Appendix A Summary Of *In Situ* Physical Water Column Data Collected At "Moving" Isohaline Stations

Appendix B Complete Analysis Of Light Profiles at "Moving" Ishohaline Stations

Appendix C Summary Of Surface Water Chemistry Data Collected In Conjunction With "Moving" Isohaline Stations

Appendix D Phytoplankton Taxonomy Summary Results Of Monthly Sampling

Appendix E Summary Of *In Situ* Physical Water Column Data Collected At "Fixed" Sampling Locations

Appendix F Complete Analysis of Light Profiles at "Fixed" Sampling Stations

Appendix G Summary Of Water Chemistry Data Collected In Conjunction With "Fixed" Isohaline Stations

Appendix H Gaged Freshwater Inflows To The Lower Peace River And Facility Withdrawals

Appendix I Mean Daily Data from the "Continuous" USGS Gages

- Gage Height – Boca Grande, Harbour Heights and Peace River Heights
- Temperature – Harbour Heights and Peace River Heights
- Conductivity – Harbour Heights and Peace River Heights

Appendix A

Summary Of *In Situ* Physical Water Column Data Collected At "Moving" Isohaline Stations

---------- Month=January STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	January	8	0 o/oo	8.5	0.2	15.5	7.8	6.7	497.3	0.3
2003	January	8	0 o/oo	8.5	0.5	15.4	7.8	6.7	1261.0	0.6
2003	January	8	0 o/oo	8.5	1.0	15.4	6.9	6.4	10482.0	7.0
2003	January	8	0 o/oo	8.5	1.5	17.7	5.0	7.1	28349.0	17.4

---------- Month=January STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	January	8	6 o/oo	4.6	0.2	15.9	8.0	6.8	10737.0	6.1
2003	January	8	6 o/oo	4.6	0.5	15.9	7.8	6.8	11751.0	6.8
2003	January	8	6 o/oo	4.6	1.0	15.9	6.5	6.8	34435.0	21.5
2003	January	8	6 o/oo	4.6	1.5	16.5	6.2	6.8	36775.0	23.4
2003	January	8	6 o/oo	4.6	2.0	16.7	5.7	6.8	37726.0	24.0
2003	January	8	6 o/oo	4.6	2.5	16.8	5.9	6.8	38488.0	24.5
2003	January	8	6 o/oo	4.6	3.0	16.8	5.7	6.8	38845.0	24.8

---------- Month=January STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	January	8	12 o/oo	-1.0	0.2	16.2	8.2	7.1	20030.0	12.0
2003	January	8	12 o/oo	-1.0	0.5	16.0	7.8	7.1	27996.0	17.0
2003	January	8	12 o/oo	-1.0	1.0	16.0	6.9	7.0	34182.0	21.5
2003	January	8	12 o/oo	-1.0	1.5	16.4	6.6	7.0	36260.0	23.1
2003	January	8	12 o/oo	-1.0	2.0	16.5	6.5	7.0	36563.0	23.1
2003	January	8	12 o/oo	-1.0	2.5	16.6	6.3	7.0	37305.0	23.6
2003	January	8	12 o/oo	-1.0	3.0	16.7	6.2	7.0	37784.0	24.0
2003	January	8	12 o/oo	-1.0	3.5	16.7	5.7	6.9	39844.0	25.5
2003	January	8	12 o/oo	-1.0	4.0	16.7	5.6	6.9	40002.0	25.6
2003	January	8	12 o/oo	-1.0	4.5	16.8	5.5	6.9	40233.0	25.7

---------- Month=January STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	January	8	20 o/oo	-2.4	0.2	15.5	7.6	7.2	32839.0	20.0
2003	January	8	20 o/oo	-2.4	0.5	15.5	7.6	7.2	33592.0	21.1
2003	January	8	20 o/oo	-2.4	1.0	15.5	7.4	7.1	34488.0	21.8
2003	January	8	20 o/oo	-2.4	1.5	16.1	7.0	7.1	36199.0	22.8
2003	January	8	20 o/oo	-2.4	2.0	16.4	6.8	7.1	36749.0	23.2
2003	January	8	20 o/oo	-2.4	2.5	16.4	6.8	7.1	36839.0	23.3
2003	January	8	20 o/oo	-2.4	3.0	16.5	6.8	7.0	36987.0	23.4
2003	January	8	20 o/oo	-2.4	3.5	16.5	6.7	7.0	37246.0	23.6
2003	January	8	20 o/oo	-2.4	4.0	16.5	6.6	7.0	37714.0	24.0
2003	January	8	20 o/oo	-2.4	4.5	16.9	5.9	7.0	38244.0	24.3

---------- Month=January STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	January	8	#18	30.4	0.2	13.5	8.3	6.6	264.9	0.1
2003	January	8	#18	30.4	0.5	13.5	8.3	6.7	265.6	0.1
2003	January	8	#18	30.4	1.0	13.5	8.2	6.8	265.3	0.1
2003	January	8	#18	30.4	1.5	13.5	8.2	6.8	264.7	0.1
2003	January	8	#18	30.4	2.0	13.5	8.2	6.9	265.1	0.1
2003	January	8	#18	30.4	2.5	13.5	8.1	6.9	265.4	0.1
2003	January	8	#18	30.4	3.0	13.5	8.1	6.9	265.2	0.1
2003	January	8	#18	30.4	3.5	13.5	8.1	6.9	265.5	0.1
2003	January	8	#18	30.4	4.0	13.4	8.1	6.9	265.1	0.1

---------- Month=February STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	February	12	0 o/oo	20.7	0.2	19.2	7.4	7.4	498.9	0.3
2003	February	12	0 o/oo	20.7	0.5	19.4	7.4	7.4	499.1	0.3
2003	February	12	0 o/oo	20.7	1.0	19.3	7.4	7.4	497.6	0.3
2003	February	12	0 o/oo	20.7	1.5	19.2	7.3	7.4	497.3	0.3
2003	February	12	0 o/oo	20.7	2.0	19.2	7.0	7.4	496.4	0.3

---------- Month=February STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	February	12	6 o/oo	12.0	0.2	19.7	9.9	7.9	9603.0	5.4
2003	February	12	6 o/oo	12.0	0.5	19.6	9.8	7.9	10107.0	5.5
2003	February	12	6 o/oo	12.0	1.0	19.6	8.8	7.7	11355.0	6.5
2003	February	12	6 o/oo	12.0	1.5	19.5	8.6	7.7	11882.0	6.8
2003	February	12	6 o/oo	12.0	2.0	19.5	8.4	7.6	12061.0	6.9
2003	February	12	6 o/oo	12.0	2.5	19.6	5.8	7.3	20029.0	11.4
2003	February	12	6 o/oo	12.0	3.0	19.8	4.1	7.2	24527.0	16.4

---------- Month=February STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	February	12	12 o/oo	8.5	0.2	19.4	8.8	8.0	20135.0	12.0
2003	February	12	12 o/oo	8.5	0.5	19.5	8.8	8.0	23562.0	14.5
2003	February	12	12 o/oo	8.5	1.0	19.6	7.6	7.8	34248.0	21.5
2003	February	12	12 o/oo	8.5	1.5	19.6	7.4	7.8	34290.0	21.5

---------- Month=February STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	February	12	20 o/oo	6.6	0.2	18.6	8.7	7.9	32084.0	20.0
2003	February	12	20 o/oo	6.6	0.5	18.6	8.6	7.9	33485.0	20.9
2003	February	12	20 o/oo	6.6	1.0	18.7	8.1	7.9	34844.0	21.9
2003	February	12	20 o/oo	6.6	1.5	18.7	7.7	7.8	35477.0	22.5
2003	February	12	20 o/oo	6.6	2.0	19.2	6.9	7.8	36911.0	23.4
2003	February	12	20 o/oo	6.6	2.5	19.2	6.8	8.4	37073.0	23.5

---------- Month=February STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	February	12	#18	30.4	0.2	19.4	7.5	7.5	478.9	0.2
2003	February	12	#18	30.4	0.5	19.1	7.4	7.4	479.0	0.2
2003	February	12	#18	30.4	1.0	19.0	7.4	7.4	478.9	0.2
2003	February	12	#18	30.4	1.5	18.8	7.2	7.4	478.5	0.2
2003	February	12	#18	30.4	2.0	18.8	7.1	7.3	478.0	0.2
2003	February	12	#18	30.4	2.5	18.8	7.1	7.3	477.9	0.2
2003	February	12	#18	30.4	3.0	18.8	7.1	7.3	477.5	0.2

---------- Month=March STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	March	11	0 o/oo	29.4	0.2	25.0	5.5	7.1	494.8	0.3
2003	March	11	0 o/oo	29.4	0.5	24.9	5.5	7.0	495.0	0.3
2003	March	11	0 o/oo	29.4	1.0	24.6	5.2	7.0	491.0	0.3
2003	March	11	0 o/oo	29.4	1.5	24.6	5.2	7.0	490.6	0.3
2003	March	11	0 o/oo	29.4	2.0	24.5	5.1	7.0	492.0	0.3
2003	March	11	0 o/oo	29.4	2.5	24.5	4.9	6.9	491.9	0.3
2003	March	11	0 o/oo	29.4	3.0	24.5	5.1	6.9	494.0	0.3
2003	March	11	0 o/oo	29.4	3.5	24.5	5.2	6.9	493.7	0.3

---------- Month=March STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	March	11	6 o/oo	11.8	0.2	25.7	6.4	6.9	11106.0	6.4
2003	March	11	6 o/oo	11.8	0.5	25.8	6.2	6.9	12497.0	7.1
2003	March	11	6 o/oo	11.8	1.0	25.7	5.3	6.8	14117.0	8.3
2003	March	11	6 o/oo	11.8	1.5	25.4	5.2	6.8	14840.0	8.6
2003	March	11	6 o/oo	11.8	2.0	25.3	5.2	6.8	14866.0	8.6

---------- Month=March STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	March	11	12 o/oo	9.3	0.2	25.6	11.4	7.7	22418.0	12.7
2003	March	11	12 o/oo	9.3	0.5	25.5	11.3	7.7	23741.0	14.5
2003	March	11	12 o/oo	9.3	1.0	25.5	10.8	7.6	24444.0	14.9
2003	March	11	12 o/oo	9.3	1.5	25.7	5.5	7.0	35294.0	22.3
2003	March	11	12 o/oo	9.3	2.0	25.9	4.2	6.9	36407.0	23.3
2003	March	11	12 o/oo	9.3	2.5	26.0	4.1	6.9	37333.0	23.8
2003	March	11	12 o/oo	9.3	3.0	26.1	3.8	6.8	38693.0	24.4
2003	March	11	12 o/oo	9.3	3.5	26.1	3.7	6.9	38726.0	24.6

---------- Month=March STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	March	11	20 o/oo	7.0	0.2	25.8	6.3	7.0	31573.0	20.6
2003	March	11	20 o/oo	7.0	0.5	25.8	6.1	7.1	32612.0	20.7
2003	March	11	20 o/oo	7.0	1.0	25.8	6.1	7.1	34759.0	21.9
2003	March	11	20 o/oo	7.0	1.5	25.9	5.3	7.0	36827.0	23.0
2003	March	11	20 o/oo	7.0	2.0	26.3	3.4	6.9	44263.0	26.4

---------- Month=March STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	March	11	#18	30.4	0.2	24.6	6.4	7.0	472.9	0.2
2003	March	11	#18	30.4	0.5	24.9	6.3	7.0	472.0	0.2
2003	March	11	#18	30.4	1.0	24.4	6.1	7.0	471.7	0.2
2003	March	11	#18	30.4	1.5	24.2	5.7	7.0	471.8	0.2
2003	March	11	#18	30.4	2.0	24.0	5.0	6.9	472.1	0.2
2003	March	11	#18	30.4	2.5	24.0	5.7	6.9	471.8	0.2
2003	March	11	#18	30.4	3.0	24.0	5.7	6.9	471.5	0.2
2003	March	11	#18	30.4	3.5	23.9	5.8	6.8	471.9	0.2
2003	March	11	#18	30.4	4.0	23.8	5.5	6.8	471.9	0.2

---------- Month=April STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	April	11	0 o/oo	19.0	0.2	22.8	7.3	7.7	500.1	0.3
2003	April	11	0 o/oo	19.0	0.5	22.8	7.2	7.6	502.7	0.3
2003	April	11	0 o/oo	19.0	1.0	22.7	7.1	7.6	505.1	0.3
2003	April	11	0 o/oo	19.0	1.5	22.7	7.0	7.5	505.4	0.3
2003	April	11	0 o/oo	19.0	2.0	22.7	7.1	7.5	506.5	0.3
2003	April	11	0 o/oo	19.0	2.5	22.7	7.1	7.5	507.2	0.3

---------- Month=April STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	April	11	6 o/oo	11.6	0.2	21.4	8.5	6.9	10476.0	5.9
2003	April	11	6 o/oo	11.6	0.5	21.4	8.3	6.3	10746.0	6.1
2003	April	11	6 o/oo	11.6	1.0	21.4	8.2	6.9	13342.0	7.7
2003	April	11	6 o/oo	11.6	1.5	21.4	8.1	6.9	13510.0	7.8
2003	April	11	6 o/oo	11.6	2.0	21.4	7.9	7.2	13523.0	7.8

---------- Month=April STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	April	11	12 o/oo	9.6	0.2	21.1	9.2	7.5	19860.0	11.9
2003	April	11	12 o/oo	9.6	0.5	21.1	9.1	7.5	19893.0	11.9
2003	April	11	12 o/oo	9.6	1.0	21.1	9.0	7.5	20860.0	12.5
2003	April	11	12 o/oo	9.6	1.5	21.0	9.0	7.6	21126.0	12.6
2003	April	11	12 o/oo	9.6	2.0	21.0	9.0	7.6	21288.0	12.7
2003	April	11	12 o/oo	9.6	2.5	21.0	9.0	7.6	21928.0	13.1
2003	April	11	12 o/oo	9.6	3.0	21.0	8.6	7.5	22482.0	13.7
2003	April	11	12 o/oo	9.6	3.5	21.1	8.5	7.5	23397.0	14.0

---------- Month=April STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	April	11	20 o/oo	7.1	0.2	21.6	8.4	7.5	33699.0	20.8
2003	April	11	20 o/oo	7.1	0.5	21.6	7.9	7.5	34208.0	21.4
2003	April	11	20 o/oo	7.1	1.0	21.6	7.7	7.5	35079.0	22.0
2003	April	11	20 o/oo	7.1	1.5	21.6	7.3	7.5	36394.0	22.9
2003	April	11	20 o/oo	7.1	2.0	21.7	6.5	7.5	38954.0	24.7
2003	April	11	20 o/oo	7.1	2.5	21.7	6.3	7.5	39216.0	25.0

---------- Month=April STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	April	11	#18	30.4	0.2	22.0	7.8	7.8	447.6	0.2
2003	April	11	#18	30.4	0.5	22.2	7.4	7.7	446.8	0.2
2003	April	11	#18	30.4	1.0	22.2	7.0	7.6	446.9	0.2
2003	April	11	#18	30.4	1.5	22.2	7.2	7.6	446.5	0.2
2003	April	11	#18	30.4	2.0	22.2	7.2	7.5	446.3	0.2
2003	April	11	#18	30.4	2.5	22.2	7.2	7.5	446.3	0.2
2003	April	11	#18	30.4	3.0	22.2	6.9	7.4	446.3	0.2
2003	April	11	#18	30.4	3.5	22.2	6.8	7.4	446.0	0.2
2003	April	11	#18	30.4	4.0	22.2	7.1	7.4	446.1	0.2

---------- Month=May STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	May	16	0 o/oo	33.5	0.2	30.0	8.5	7.5	841.7	0.4
2003	May	16	0 o/oo	33.5	0.5	29.8	8.3	7.5	843.2	0.4
2003	May	16	0 o/oo	33.5	1.0	29.7	8.4	7.5	843.5	0.4
2003	May	16	0 o/oo	33.5	1.5	29.6	8.1	7.5	843.7	0.4
2003	May	16	0 o/oo	33.5	2.0	29.6	7.9	7.5	843.7	0.4

---------- Month=May STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	May	16	6 o/oo	14.0	0.2	30.3	7.1	7.0	11379.0	6.5
2003	May	16	6 o/oo	14.0	0.5	30.2	7.0	7.0	11834.0	6.8
2003	May	16	6 o/oo	14.0	1.0	29.6	5.8	7.0	18369.0	10.9
2003	May	16	6 o/oo	14.0	1.5	29.6	5.7	7.0	18564.0	11.0

---------- Month=May STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	May	16	12 o/oo	10.6	0.2	30.1	8.9	7.6	20553.0	12.2
2003	May	16	12 o/oo	10.6	0.5	29.9	8.3	7.5	21768.0	13.0
2003	May	16	12 o/oo	10.6	1.0	29.7	8.0	7.5	22369.0	13.6
2003	May	16	12 o/oo	10.6	1.5	29.7	7.8	7.4	23532.0	14.2
2003	May	16	12 o/oo	10.6	2.0	29.7	6.8	7.4	23467.0	14.1

---------- Month=May STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	May	16	20 o/oo	7.8	0.2	30.0	6.8	7.3	32438.0	20.3
2003	May	16	20 o/oo	7.8	0.5	29.9	6.9	7.3	33553.0	21.1
2003	May	16	20 o/oo	7.8	1.0	29.7	7.0	7.4	34882.0	21.9
2003	May	16	20 o/oo	7.8	1.5	29.8	6.8	7.4	35395.0	22.3
2003	May	16	20 o/oo	7.8	2.0	29.9	5.5	7.4	40557.0	26.0

---------- Month=May STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	May	16	#18	30.4	0.2	30.3	7.8	7.3	716.3	0.4
2003	May	16	#18	30.4	0.5	30.3	7.6	7.3	716.8	0.4
2003	May	16	#18	30.4	1.0	30.1	7.5	7.3	718.7	0.4
2003	May	16	#18	30.4	1.5	30.0	7.4	7.3	719.2	0.4
2003	May	16	#18	30.4	2.0	29.9	7.4	7.2	719.5	0.4
2003	May	16	#18	30.4	2.5	29.9	7.5	7.2	720.7	0.4

---------- Month=June STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	June	20	0 o/oo	14.5	0.2	28.4	7.0	0.3	0.5	512.0
2003	June	20	0 o/oo	14.5	0.5	28.4	6.9	0.3	0.5	519.0
2003	June	20	0 o/oo	14.5	1.0	28.0	6.9	0.3	0.6	585.0
2003	June	20	0 o/oo	14.5	1.5	27.9	6.9	0.3	0.7	665.0
2003	June	20	0 o/oo	14.5	2.0	27.9	6.9	0.3	0.7	680.0
2003	June	20	0 o/oo	14.5	2.5	27.8	6.9	0.3	0.7	690.0

---------- Month=June STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	June	20	6 o/oo	6.0	0.2	28.9	7.5	6.1	10.8	10790.0
2003	June	20	6 o/oo	6.0	0.5	28.8	7.5	6.5	11.9	11940.0
2003	June	20	6 o/oo	6.0	1.0	28.4	7.7	11.9	19.7	19700.0
2003	June	20	6 o/oo	6.0	1.5	29.4	7.7	18.0	29.0	29000.0
2003	June	20	6 o/oo	6.0	2.0	29.4	7.8	17.6	28.8	28800.0

---------- Month=June STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	June	20	12 o/oo	3.4	0.2	28.7	8.0	12.0	20.4	20400.0
2003	June	20	12 o/oo	3.4	0.5	28.7	7.9	13.4	22.1	22100.0
2003	June	20	12 o/oo	3.4	1.0	28.7	8.0	15.7	25.7	25700.0
2003	June	20	12 o/oo	3.4	1.5	28.7	7.9	16.9	27.5	27500.0
2003	June	20	12 o/oo	3.4	2.0	28.9	7.9	18.3	29.4	29400.0
2003	June	20	12 o/oo	3.4	2.5	28.9	7.9	19.7	31.4	31400.0
2003	June	20	12 o/oo	3.4	3.0	29.5	7.7	20.8	32.9	32900.0
2003	June	20	12 o/oo	3.4	3.5	29.7	7.7	20.9	33.7	33700.0

---------- Month=June STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	June	20	20 o/oo	-3.2	0.2	28.9	8.1	20.0	31.8	31800.0
2003	June	20	20 o/oo	-3.2	0.5	28.9	8.1	19.9	31.7	31700.0
2003	June	20	20 o/oo	-3.2	1.0	28.9	8.1	19.9	31.9	31900.0
2003	June	20	20 o/oo	-3.2	1.5	28.6	8.1	20.1	32.0	32000.0
2003	June	20	20 o/oo	-3.2	2.0	28.6	8.1	20.1	32.2	32200.0
2003	June	20	20 o/oo	-3.2	2.5	28.8	8.1	19.9	31.9	31900.0
2003	June	20	20 o/oo	-3.2	3.0	28.9	8.0	19.9	31.9	31900.0
2003	June	20	20 o/oo	-3.2	3.5	29.8	7.9	22.5	35.7	35700.0
2003	June	20	20 o/oo	-3.2	4.0	29.9	7.9	23.3	36.6	36600.0

---------- Month=June STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	June	20	#18	30.4	0.2	27.3	6.9	0.2	0.3	303.0
2003	June	20	#18	30.4	0.5	27.3	6.8	0.2	0.3	304.0
2003	June	20	#18	30.4	1.0	27.3	6.8	0.2	0.3	305.0
2003	June	20	#18	30.4	1.5	27.3	6.8	0.2	0.3	304.0
2003	June	20	#18	30.4	2.0	27.3	6.8	0.2	0.3	305.0
2003	June	20	#18	30.4	2.5	27.3	6.8	0.2	0.3	305.0
2003	June	20	#18	30.4	3.0	27.3	6.8	0.2	0.3	304.0
2003	June	20	#18	30.4	3.5	27.3	6.8	0.2	0.3	305.0
2003	June	20	#18	30.4	4.0	27.3	6.8	0.2	0.3	306.0

---------- Month=July STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	July	18	0 o/oo	14.2	0.2	29.9	4.4	7.1	493.3	0.3
2003	July	18	0 o/oo	14.2	0.5	29.7	4.2	7.1	479.9	0.2
2003	July	18	0 o/oo	14.2	1.0	29.6	4.2	7.1	479.0	0.2
2003	July	18	0 o/oo	14.2	1.5	29.6	4.2	7.0	476.6	0.2
2003	July	18	0 o/oo	14.2	2.0	29.6	4.0	7.0	473.3	0.2
2003	July	18	0 o/oo	14.2	2.5	29.5	3.8	7.0	473.1	0.2

---------- Month=July STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	July	18	6 o/oo	7.5	0.2	30.4	5.4	7.4	11332.0	6.0
2003	July	18	6 o/oo	7.5	0.5	30.5	5.1	7.4	11342.0	6.5
2003	July	18	6 o/oo	7.5	1.0	29.7	5.4	7.4	13452.0	7.8
2003	July	18	6 o/oo	7.5	1.5	29.8	5.5	7.4	13527.0	7.8
2003	July	18	6 o/oo	7.5	2.0	29.8	4.4	7.4	17843.0	10.4

---------- Month=July STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	July	18	12 o/oo	4.6	0.2	29.6	6.1	7.9	20379.0	12.0
2003	July	18	12 o/oo	4.6	0.5	29.6	6.1	7.9	20769.0	12.1
2003	July	18	12 o/oo	4.6	1.0	29.2	4.4	7.7	26973.0	16.5
2003	July	18	12 o/oo	4.6	1.5	29.2	2.9	7.6	29690.0	18.4
2003	July	18	12 o/oo	4.6	2.0	29.3	1.9	7.5	31722.0	19.7
2003	July	18	12 o/oo	4.6	2.5	29.3	1.9	7.5	31722.0	19.7

---------- Month=July STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	July	18	20 o/oo	-16.0	0.2	30.2	4.9	8.0	31567.0	20.0
2003	July	18	20 o/oo	-16.0	0.5	30.2	4.7	8.0	31665.0	19.7
2003	July	18	20 o/oo	-16.0	1.0	30.2	3.7	7.9	36240.0	23.2
2003	July	18	20 o/oo	-16.0	1.5	30.0	4.5	8.0	41919.0	27.0
2003	July	18	20 o/oo	-16.0	2.0	30.3	4.3	8.0	47127.0	31.0

---------- Month=July STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	July	18	#18	30.4	0.2	28.6	5.8	7.1	429.8	0.2
2003	July	18	#18	30.4	0.5	28.5	5.8	7.2	430.2	0.2
2003	July	18	#18	30.4	1.0	28.5	5.8	7.2	430.0	0.2
2003	July	18	#18	30.4	1.5	28.6	5.7	7.2	429.8	0.2
2003	July	18	#18	30.4	2.0	28.5	5.7	7.1	429.4	0.2
2003	July	18	#18	30.4	2.5	28.5	5.7	7.1	429.7	0.2
2003	July	18	#18	30.4	3.0	28.5	5.6	7.1	429.7	0.2
2003	July	18	#18	30.4	3.5	28.5	5.7	7.1	429.9	0.2
2003	July	18	#18	30.4	4.0	28.5	5.6	7.1	429.8	0.2

---------- Month=August STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	August	13	0 o/oo	8.2	0.2	28.3	6.6	7.1	499.1	0.3
2003	August	13	0 o/oo	8.2	0.5	28.3	6.6	7.0	501.2	0.3
2003	August	13	0 o/oo	8.2	1.0	28.1	6.5	7.0	500.5	0.3
2003	August	13	0 o/oo	8.2	1.5	28.1	6.4	7.0	499.8	0.3

---------- Month=August STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	August	13	6 o/oo	5.0	0.2	28.4	8.1	7.7	10709.0	6.0
2003	August	13	6 o/oo	5.0	0.5	28.4	8.1	7.7	10682.0	6.1
2003	August	13	6 o/oo	5.0	1.0	28.4	8.0	7.7	10742.0	6.1
2003	August	13	6 o/oo	5.0	1.5	28.4	8.0	7.7	10756.0	6.1
2003	August	13	6 o/oo	5.0	2.0	28.3	7.9	7.7	10792.0	6.1

---------- Month=August STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	August	13	12 o/oo	0.8	0.2	28.9	7.1	7.8	24101.0	12.5
2003	August	13	12 o/oo	0.8	0.5	28.8	7.1	7.8	24173.0	14.5
2003	August	13	12 o/oo	0.8	1.0	28.7	6.9	7.8	25552.0	16.4
2003	August	13	12 o/oo	0.8	1.5	28.6	5.9	7.8	32938.0	20.6
2003	August	13	12 o/oo	0.8	2.0	28.6	5.8	7.7	33109.0	20.7

---------- Month=August STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	August	13	20 o/oo	-29.0	0.2	29.0	8.2	8.2	33976.0	20.6
2003	August	13	20 o/oo	-29.0	0.5	29.0	8.2	8.2	34876.0	22.1
2003	August	13	20 o/oo	-29.0	1.0	28.9	7.9	8.2	39759.0	25.2
2003	August	13	20 o/oo	-29.0	1.5	29.0	7.7	8.2	45488.0	28.7
2003	August	13	20 o/oo	-29.0	2.0	29.1	7.3	8.1	48628.0	31.7
2003	August	13	20 o/oo	-29.0	2.5	29.3	6.9	8.1	50976.0	33.4
2003	August	13	20 o/oo	-29.0	3.0	29.5	6.9	8.1	64342.0	36.2
2003	August	13	20 o/oo	-29.0	3.5	29.6	6.2	8.2	67691.0	46.1
2003	August	13	20 o/oo	-29.0	4.0	29.6	6.2	8.2	67636.0	46.1
2003	August	13	20 o/oo	-29.0	4.5	29.6	6.2	8.2	67710.0	46.1
2003	August	13	20 o/oo	-29.0	5.0	29.5	6.1	8.2	67802.0	46.1

---------- Month=August STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	August	13	#18	30.4	0.2	26.6	6.0	6.7	314.4	0.2
2003	August	13	#18	30.4	0.5	26.6	5.8	6.7	320.7	0.2
2003	August	13	#18	30.4	1.0	26.6	5.8	6.7	317.3	0.2
2003	August	13	#18	30.4	1.5	26.6	5.9	6.7	318.5	0.2
2003	August	13	#18	30.4	2.0	26.6	5.8	6.7	317.8	0.2
2003	August	13	#18	30.4	2.5	26.6	5.8	6.7	316.8	0.2
2003	August	13	#18	30.4	3.0	26.6	5.7	6.7	316.2	0.2
2003	August	13	#18	30.4	3.5	26.6	5.7	6.7	315.2	0.2
2003	August	13	#18	30.4	4.0	26.6	5.7	6.7	318.2	0.2
2003	August	13	#18	30.4	4.5	26.6	5.6	6.7	316.5	0.2

---------- Month=September STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	September	10	0 o/oo	10.7	0.2	29.0	4.2	7.0	300.8	0.2
2003	September	10	0 o/oo	10.7	0.5	28.3	3.9	6.9	307.1	0.2
2003	September	10	0 o/oo	10.7	1.0	27.8	3.8	6.9	309.8	0.2
2003	September	10	0 o/oo	10.7	1.5	27.7	3.7	6.9	312.3	0.2
2003	September	10	0 o/oo	10.7	2.0	27.6	3.7	6.9	315.9	0.2
2003	September	10	0 o/oo	10.7	2.5	27.5	3.8	6.9	316.6	0.2
2003	September	10	0 o/oo	10.7	3.0	27.5	3.7	6.8	317.1	0.2
2003	September	10	0 o/oo	10.7	3.5	27.5	3.7	6.8	317.4	0.2

---------- Month=September STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	September	10	6 o/oo	5.0	0.2	29.3	4.4	7.1	10691.0	6.3
2003	September	10	6 o/oo	5.0	0.5	29.1	4.5	7.2	13451.0	7.7
2003	September	10	6 o/oo	5.0	1.0	29.1	4.2	7.2	18703.0	11.1
2003	September	10	6 o/oo	5.0	1.5	28.6	4.0	7.3	23647.0	14.1

---------- Month=September STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	September	10	12 o/oo	-1.8	0.2	28.9	6.0	7.7	20266.0	12.1
2003	September	10	12 o/oo	-1.8	0.5	28.9	5.9	7.7	20197.0	12.0
2003	September	10	12 o/oo	-1.8	1.0	28.8	5.9	7.7	20709.0	12.4
2003	September	10	12 o/oo	-1.8	1.5	28.7	5.8	7.7	21392.0	13.0
2003	September	10	12 o/oo	-1.8	2.0	28.5	5.4	7.8	24519.0	15.2
2003	September	10	12 o/oo	-1.8	2.5	28.6	5.0	7.8	30421.0	18.9

---------- Month=September STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	September	10	20 o/oo	-4.0	0.2	29.0	5.1	7.9	34526.0	21.0
2003	September	10	20 o/oo	-4.0	0.5	29.0	5.1	7.9	34897.0	22.0
2003	September	10	20 o/oo	-4.0	1.0	29.0	5.0	7.9	35677.0	22.5
2003	September	10	20 o/oo	-4.0	1.5	29.0	5.0	7.9	36084.0	22.8
2003	September	10	20 o/oo	-4.0	2.0	29.1	4.9	7.9	36258.0	22.9

---------- Month=September STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	September	10	#18	30.4	0.2	27.3	3.7	6.7	277.9	0.1
2003	September	10	#18	30.4	0.5	27.3	3.9	6.8	289.2	0.1
2003	September	10	#18	30.4	1.0	27.3	3.7	6.7	284.2	0.1
2003	September	10	#18	30.4	1.5	27.3	3.7	6.8	273.8	0.1
2003	September	10	#18	30.4	2.0	27.3	3.7	6.7	286.8	0.1
2003	September	10	#18	30.4	2.5	27.3	3.7	6.8	286.5	0.1
2003	September	10	#18	30.4	3.0	27.3	3.7	6.8	287.3	0.1
2003	September	10	#18	30.4	3.5	27.3	3.6	6.7	281.4	0.1

---------- Month=October STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	October	8	0 o/oo	13.6	0.2	26.7	4.5	7.0	441.5	0.2
2003	October	8	0 o/oo	13.6	0.5	26.7	4.4	7.0	508.5	0.3
2003	October	8	0 o/oo	13.6	1.0	26.7	4.3	7.0	532.2	0.3
2003	October	8	0 o/oo	13.6	1.5	26.6	4.4	7.0	543.4	0.3
2003	October	8	0 o/oo	13.6	2.0	26.6	4.4	7.0	544.9	0.3

---------- Month=October STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	October	8	6 o/oo	7.2	0.2	28.2	4.3	7.2	13056.0	6.1
2003	October	8	6 o/oo	7.2	0.5	28.1	4.4	7.3	16710.0	9.7
2003	October	8	6 o/oo	7.2	1.0	27.5	3.5	7.4	25915.0	15.8
2003	October	8	6 o/oo	7.2	1.5	27.5	2.4	7.3	29281.0	18.1
2003	October	8	6 o/oo	7.2	2.0	27.5	2.2	7.3	29551.0	18.2

---------- Month=October STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	October	8	12 o/oo	3.2	0.2	27.6	4.3	7.4	20973.0	12.4
2003	October	8	12 o/oo	3.2	0.5	27.5	4.2	7.4	21782.0	13.1
2003	October	8	12 o/oo	3.2	1.0	27.2	4.0	7.5	28613.0	17.5
2003	October	8	12 o/oo	3.2	1.5	27.3	2.7	7.5	33833.0	21.1

---------- Month=October STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	October	8	20 o/oo	1.5	0.2	27.4	5.3	7.8	23472.0	20.1
2003	October	8	20 o/oo	1.5	0.5	27.5	4.8	7.7	32679.0	20.5
2003	October	8	20 o/oo	1.5	1.0	27.4	4.0	7.7	33050.0	20.7
2003	October	8	20 o/oo	1.5	1.5	27.4	3.5	7.6	33203.0	20.7
2003	October	8	20 o/oo	1.5	2.0	27.6	1.5	7.4	35847.0	22.4

---------- Month=October STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	October	8	#18	30.4	0.2	26.2	4.9	7.0	186.6	0.1
2003	October	8	#18	30.4	0.5	26.1	4.8	6.9	186.9	0.1
2003	October	8	#18	30.4	1.0	26.2	4.8	6.9	186.9	0.1
2003	October	8	#18	30.4	1.5	26.1	4.8	6.9	186.7	0.1
2003	October	8	#18	30.4	2.0	26.1	4.7	6.9	186.9	0.1
2003	October	8	#18	30.4	2.5	26.2	4.7	6.9	186.9	0.1
2003	October	8	#18	30.4	3.0	26.2	4.7	6.9	187.3	0.1
2003	October	8	#18	30.4	3.5	26.2	4.6	6.9	186.9	0.1
2003	October	8	#18	30.4	4.0	26.2	4.6	6.9	186.6	0.1

---------- Month=November STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	November	7	0 o/oo	23.5	0.2	26.3	6.5	7.2	462.4	0.2
2003	November	7	0 o/oo	23.5	0.5	26.2	6.1	7.2	456.9	0.2
2003	November	7	0 o/oo	23.5	1.0	26.1	6.1	7.2	457.1	0.2
2003	November	7	0 o/oo	23.5	1.5	26.1	6.0	7.2	455.7	0.2
2003	November	7	0 o/oo	23.5	2.0	26.1	6.1	7.2	454.9	0.2

---------- Month=November STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	November	7	6 o/oo	14.8	0.2	26.9	6.9	7.3	10972.0	6.1
2003	November	7	6 o/oo	14.8	0.5	26.7	6.8	7.3	11384.0	6.5
2003	November	7	6 o/oo	14.8	1.0	26.4	6.7	7.3	11943.0	6.8
2003	November	7	6 o/oo	14.8	1.5	26.4	6.8	7.3	12053.0	6.9
2003	November	7	6 o/oo	14.8	2.0	26.4	6.9	7.3	12095.0	6.9

---------- Month=November STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	November	7	12 o/oo	9.8	0.2	26.5	8.2	7.6	20700.0	12.1
2003	November	7	12 o/oo	9.8	0.5	26.5	8.3	7.7	20782.0	12.4
2003	November	7	12 o/oo	9.8	1.0	26.5	8.4	7.7	20958.0	12.5
2003	November	7	12 o/oo	9.8	1.5	26.4	8.2	7.6	20885.0	12.5
2003	November	7	12 o/oo	9.8	2.0	25.7	6.9	7.5	24053.0	14.9
2003	November	7	12 o/oo	9.8	2.5	25.9	7.0	7.6	25807.0	15.7
2003	November	7	12 o/oo	9.8	3.0	25.8	6.6	7.5	26750.0	16.2
2003	November	7	12 o/oo	9.8	3.5	25.7	6.4	7.5	27028.0	16.5

---------- Month=November STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	November	7	20 o/oo	0.2	0.2	26.5	8.0	7.8	35021.0	22.1
2003	November	7	20 o/oo	0.2	0.5	26.6	7.7	7.8	36278.0	22.8
2003	November	7	20 o/oo	0.2	1.0	25.9	6.9	7.8	39560.0	24.5
2003	November	7	20 o/oo	0.2	1.5	25.9	6.6	7.8	39851.0	25.5
2003	November	7	20 o/oo	0.2	2.0	25.6	6.5	7.8	39891.0	25.5

---------- Month=November STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	November	7	#18	30.4	0.2	27.1	7.9	7.6	437.2	0.2
2003	November	7	#18	30.4	0.5	26.7	7.5	7.5	436.9	0.2
2003	November	7	#18	30.4	1.0	26.3	7.3	7.4	434.1	0.2
2003	November	7	#18	30.4	1.5	25.8	7.4	7.4	438.4	0.2
2003	November	7	#18	30.4	2.0	25.8	7.4	7.4	439.6	0.2
2003	November	7	#18	30.4	2.5	25.6	7.4	7.4	439.5	0.2
2003	November	7	#18	30.4	3.0	25.6	7.3	7.4	439.9	0.2

---------- Month=December STATION=0 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	December	3	0 o/oo	25.6	0.2	19.4	8.5	7.9	483.0	0.2
2003	December	3	0 o/oo	25.6	0.5	19.3	8.1	7.8	481.1	0.2
2003	December	3	0 o/oo	25.6	1.0	18.8	7.8	7.8	478.7	0.2
2003	December	3	0 o/oo	25.6	1.5	18.5	7.7	7.8	478.1	0.2
2003	December	3	0 o/oo	25.6	2.0	18.4	7.6	7.8	477.6	0.2

---------- Month=December STATION=6 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	December	3	6 o/oo	20.6	0.2	19.9	8.0	7.7	10283.0	6.1
2003	December	3	6 o/oo	20.6	0.5	20.0	8.1	7.7	9837.0	5.5
2003	December	3	6 o/oo	20.6	1.0	19.7	7.8	7.6	11430.0	7.0
2003	December	3	6 o/oo	20.6	1.5	19.2	7.6	7.7	12213.0	7.0

---------- Month=December STATION=12 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	December	3	12 o/oo	14.0	0.2	18.6	7.8	7.8	20212.0	12.0
2003	December	3	12 o/oo	14.0	0.5	18.2	7.6	7.8	22619.0	13.4
2003	December	3	12 o/oo	14.0	1.0	17.9	7.2	7.8	24055.0	14.5
2003	December	3	12 o/oo	14.0	1.5	17.9	7.2	7.8	24080.0	14.6
2003	December	3	12 o/oo	14.0	2.0	17.9	7.2	7.8	24150.0	14.6

---------- Month=December STATION=20 o/oo ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)

2003	December	3	20 o/oo	9.5	0.2	18.9	8.1	7.9	32077.0	20.0
2003	December	3	20 o/oo	9.5	0.5	18.7	7.5	7.9	35291.0	22.2
2003	December	3	20 o/oo	9.5	1.0	18.5	7.5	7.9	35856.0	22.6
2003	December	3	20 o/oo	9.5	1.5	18.5	7.4	7.9	35657.0	22.4

---------- Month=December STATION=#18 ----------

Year	Month	Day	STATION	Distance (km)	Sample Depth (m)	Temperature (C)	Dissolved Oxygen (mg/l)	pH	Conductivity	Salinity (ppt)
2003	December	3	#18	30.4	0.2	18.9	8.6	8.0	470.1	0.2
2003	December	3	#18	30.4	0.5	18.6	8.2	7.8	469.4	0.2
2003	December	3	#18	30.4	1.0	18.5	8.3	7.8	469.5	0.2
2003	December	3	#18	30.4	1.5	18.6	8.1	7.8	470.0	0.2
2003	December	3	#18	30.4	2.0	18.4	8.1	7.8	469.8	0.2
2003	December	3	#18	30.4	2.5	18.5	8.0	7.7	470.2	0.2

Appendix B

Complete Analysis Of Light Profiles At "Moving" Ishohaline Stations

LIGHT PROFILE ANALYSES - FOR 1/ 8/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.07004	-0.02326	0.99520	0.99043

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	741.	6.60935	6.60480
2	40.	469.	6.15273	6.13957
3	60.	267.	5.59099	5.67433
4	80.	203.	5.31812	5.20910
5	100.	109.	4.70048	4.74387

```
                 |----|----|----|----|----|----|----|----|----|-----|
      6.9398     |                                                 |
      6.8408     |                                                 |
      6.7419     |                                                 |
      6.6429     |*                                                |
      6.5439     |                                                 |
      6.4449     |                                                 |
      6.3460     |                                                 |
      6.2470     |            *                                    |
      6.1480     |            E                                    |
      6.0490     |                                                 |
      5.9501     |                                                 |
      5.8511     |                                                 |
      5.7521     |                       E                         |
      5.6532     |                       *                         |
      5.5542     |                                                 |
      5.4552     |                                                 |
      5.3562     |                                   *             |
      5.2573     |                                   E             |
      5.1583     |                                                 |
      5.0593     |                                                 |
      4.9603     |                                                 |
      4.8614     |                                                 |
      4.7624     |                                              *  |
      4.6634     |                                                 |
      4.5644     |                                                 |
                 |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.74	2.64

LIGHT PROFILE ANALYSES - FOR 1/ 8/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.79698	-0.02058	0.99075	0.98158

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	651.	6.48004	6.38531
2	40.	373.	5.92426	5.97365
3	60.	228.	5.43372	5.56199
4	80.	176.	5.17615	5.15033
5	100.	120.	4.79579	4.73867

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8040    |                                                 |
      6.7120    |                                                 |
      6.6199    |                                                 |
      6.5278    |*                                                |
      6.4357    |E                                                |
      6.3436    |                                                 |
      6.2515    |                                                 |
      6.1594    |                                                 |
      6.0673    |                                                 |
      5.9752    |            *                                    |
      5.8831    |                                                 |
      5.7910    |                                                 |
      5.6989    |                                                 |
      5.6068    |                       E                         |
      5.5148    |                       *                         |
      5.4227    |                                                 |
      5.3306    |                                                 |
      5.2385    |                                   *             |
      5.1464    |                                                 |
      5.0543    |                                                 |
      4.9622    |                                                 |
      4.8701    |                                              *  |
      4.7780    |                                              E  |
      4.6859    |                                                 |
      4.5938    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.54	2.98

LIGHT PROFILE ANALYSES - FOR 1/ 8/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.69573	-0.02452	0.97823	0.95694

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	586.	6.37502	6.20539
2	40.	283.	5.64897	5.71504
3	60.	149.	5.01064	5.22470
4	80.	107.	4.68213	4.73435
5	100.	81.	4.40672	4.24401

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6938    |                                                 |
      6.5873    |                                                 |
      6.4808    |*                                                |
      6.3743    |                                                 |
      6.2679    |E                                                |
      6.1614    |                                                 |
      6.0549    |                                                 |
      5.9484    |                                                 |
      5.8419    |                                                 |
      5.7355    |            *                                    |
      5.6290    |                                                 |
      5.5225    |                                                 |
      5.4160    |                                                 |
      5.3096    |                       E                         |
      5.2031    |                                                 |
      5.0966    |                       *                         |
      4.9901    |                                                 |
      4.8836    |                                                 |
      4.7772    |                                   *             |
      4.6707    |                                                 |
      4.5642    |                                                 |
      4.4577    |                                              *  |
      4.3512    |                                                 |
      4.2448    |                                              E  |
      4.1383    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.84	2.50

LIGHT PROFILE ANALYSES - FOR 1/ 8/2003

ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.85742	-0.03595	0.99985	0.99970

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	467.	6.14847	6.13847
2	40.	224.	5.41610	5.41952
3	60.	106.	4.67283	4.70057
4	80.	54.	4.00733	3.98161
5	100.	25.	3.25810	3.26266

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.4559    |                                                 |
      6.3215    |                                                 |
      6.1870    |*                                                |
      6.0526    |                                                 |
      5.9182    |                                                 |
      5.7838    |                                                 |
      5.6493    |                                                 |
      5.5149    |            *                                    |
      5.3805    |                                                 |
      5.2460    |                                                 |
      5.1116    |                                                 |
      4.9772    |                                                 |
      4.8428    |                                                 |
      4.7083    |                       *                         |
      4.5739    |                                                 |
      4.4395    |                                                 |
      4.3050    |                                                 |
      4.1706    |                                                 |
      4.0362    |                                   *             |
      3.9018    |                                                 |
      3.7673    |                                                 |
      3.6329    |                                                 |
      3.4985    |                                                 |
      3.3640    |                                              *  |
      3.2296    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.70	1.71

LIGHT PROFILE ANALYSES - FOR 1/ 8/2003

STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.34549	-0.03595	0.97965	0.95972

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	360.	5.88888	5.62646
2	40.	113.	4.73620	4.90743
3	60.	53.	3.98898	4.18840
4	80.	27.	3.33220	3.46937
5	100.	19.	2.99573	2.75034

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.1833    |                                                 |
      6.0405    |                                                 |
      5.8977    |*                                                |
      5.7549    |E                                                |
      5.6120    |                                                 |
      5.4692    |                                                 |
      5.3264    |                                                 |
      5.1836    |                                                 |
      5.0408    |            E                                    |
      4.8979    |                                                 |
      4.7551    |            *                                    |
      4.6123    |                                                 |
      4.4695    |                                                 |
      4.3267    |                       E                         |
      4.1838    |                                                 |
      4.0410    |                       *                         |
      3.8982    |                                                 |
      3.7554    |                                                 |
      3.6126    |                                                 |
      3.4697    |                                   *             |
      3.3269    |                                                 |
      3.1841    |                                                 |
      3.0413    |                                               *  |
      2.8985    |                                                 |
      2.7556    |                                               E  |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.70	1.71

LIGHT PROFILE ANALYSES - FOR 2/12/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.18586	-0.02304	0.99539	0.99081

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	853.	6.74993	6.72502
2	40.	529.	6.27288	6.26419
3	60.	297.	5.69709	5.80336
4	80.	227.	5.42935	5.34252
5	100.	129.	4.86753	4.88169

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0874    |                                                 |
      6.9889    |                                                 |
      6.8904    |                                                 |
      6.7918    |*                                                |
      6.6933    |                                                 |
      6.5948    |                                                 |
      6.4962    |                                                 |
      6.3977    |                                                 |
      6.2992    |            *                                    |
      6.2007    |                                                 |
      6.1021    |                                                 |
      6.0036    |                                                 |
      5.9051    |                                                 |
      5.8065    |                       E                         |
      5.7080    |                       *                         |
      5.6095    |                                                 |
      5.5109    |                                   *             |
      5.4124    |                                   E             |
      5.3139    |                                                 |
      5.2153    |                                                 |
      5.1168    |                                                 |
      5.0183    |                                                 |
      4.9198    |                                              *  |
      4.8212    |                                                 |
      4.7227    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.73	2.66

LIGHT PROFILE ANALYSES - FOR 2/12/2003

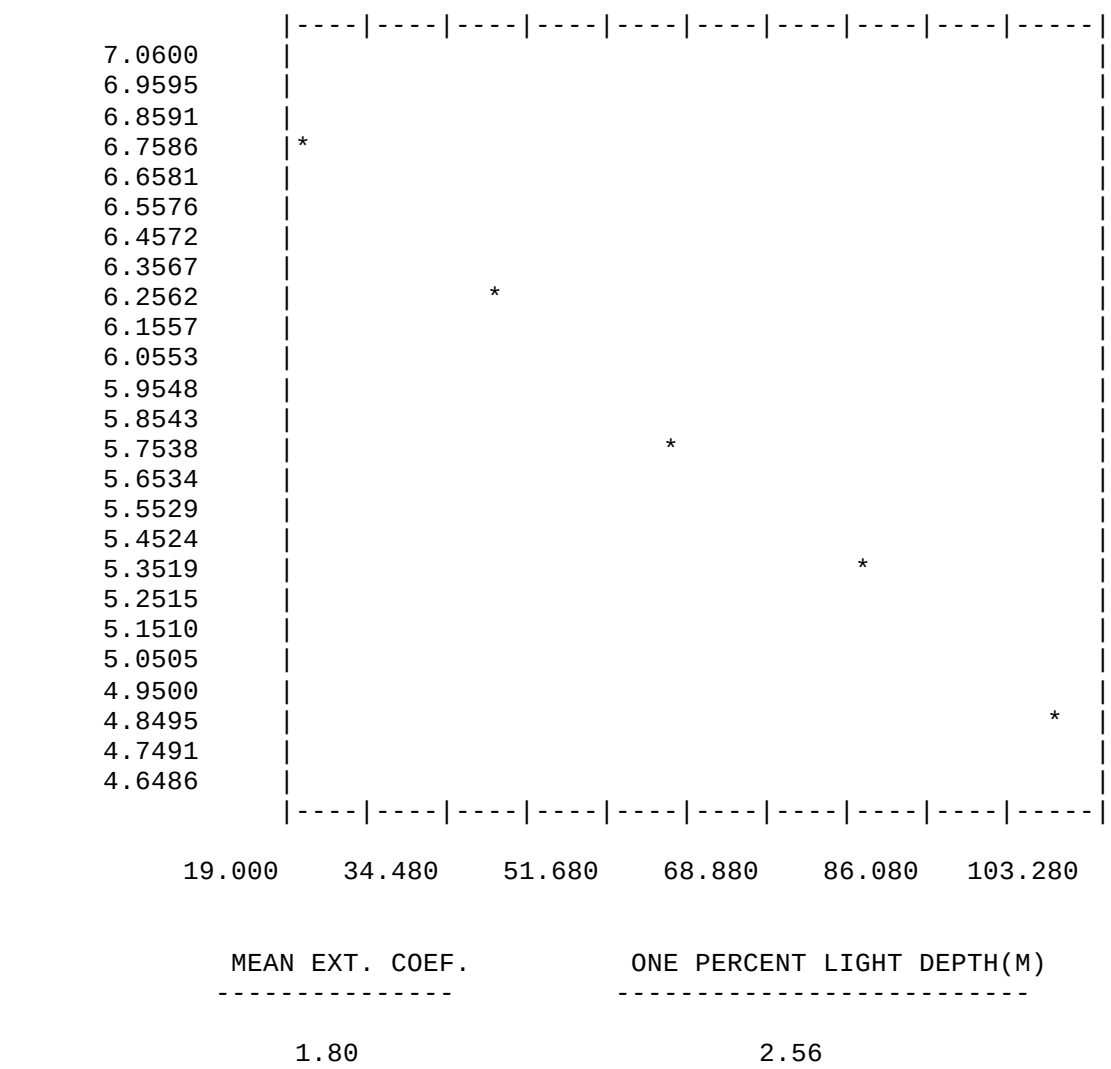
ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.18463	-0.02395	0.99942	0.99883

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	831.	6.72383	6.70553
2	40.	500.	6.21661	6.22643
3	60.	301.	5.71043	5.74733
4	80.	199.	5.29832	5.26824
5	100.	119.	4.78749	4.78914



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.80	2.56

LIGHT PROFILE ANALYSES - FOR 2/12/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.30258	-0.03197	0.99531	0.99065

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	815.	6.70441	6.66324
2	40.	416.	6.03309	6.02389
3	60.	186.	5.23111	5.38455
4	80.	128.	4.85981	4.74521
5	100.	59.	4.09434	4.10587

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0396    |                                                 |
      6.9136    |                                                 |
      6.7876    |*                                                |
      6.6616    |                                                 |
      6.5356    |                                                 |
      6.4096    |                                                 |
      6.2836    |                                                 |
      6.1576    |            *                                    |
      6.0316    |            E                                    |
      5.9056    |                                                 |
      5.7796    |                                                 |
      5.6536    |                                                 |
      5.5276    |                                                 |
      5.4016    |                       E                         |
      5.2756    |                       *                         |
      5.1496    |                                                 |
      5.0236    |                                                 |
      4.8976    |                                   *             |
      4.7716    |                                   E             |
      4.6456    |                                                 |
      4.5196    |                                                 |
      4.3936    |                                                 |
      4.2676    |                                                 |
      4.1416    |                                             *   |
      4.0156    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.40	1.92

LIGHT PROFILE ANALYSES - FOR 2/12/2003

ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.21586	-0.02819	0.99571	0.99144

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	834.	6.72743	6.65206
2	40.	433.	6.07304	6.08826
3	60.	225.	5.42054	5.52446
4	80.	135.	4.91265	4.96066
5	100.	88.	4.48864	4.39686

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0638    |                                                 |
      6.9483    |                                                 |
      6.8329    |*                                                |
      6.7174    |E                                                |
      6.6019    |                                                 |
      6.4864    |                                                 |
      6.3710    |                                                 |
      6.2555    |                                                 |
      6.1400    |            *                                    |
      6.0246    |                                                 |
      5.9091    |                                                 |
      5.7936    |                                                 |
      5.6781    |                                                 |
      5.5627    |                       E                         |
      5.4472    |                       *                         |
      5.3317    |                                                 |
      5.2163    |                                                 |
      5.1008    |                                                 |
      4.9853    |                                   *             |
      4.8698    |                                                 |
      4.7544    |                                                 |
      4.6389    |                                                 |
      4.5234    |                                               *  |
      4.4080    |                                               E  |
      4.2925    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.11	2.18

LIGHT PROFILE ANALYSES - FOR 2/12/2003

STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.11665	-0.02452	0.99865	0.99730

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	745.	6.61473	6.62632
2	40.	465.	6.14419	6.13598
3	60.	276.	5.62402	5.64565
4	80.	184.	5.22036	5.15532
5	100.	101.	4.62497	4.66498

```
                 |----|----|----|----|----|----|----|----|----|-----|
      6.9576     |                                                 |
      6.8551     |                                                 |
      6.7525     |                                                 |
      6.6500     |*                                                |
      6.5474     |                                                 |
      6.4449     |                                                 |
      6.3423     |                                                 |
      6.2397     |            *                                    |
      6.1372     |            E                                    |
      6.0346     |                                                 |
      5.9321     |                                                 |
      5.8295     |                                                 |
      5.7270     |                       E                         |
      5.6244     |                       *                         |
      5.5218     |                                                 |
      5.4193     |                                                 |
      5.3167     |                                   *             |
      5.2142     |                                   E             |
      5.1116     |                                                 |
      5.0091     |                                                 |
      4.9065     |                                                 |
      4.8040     |                                                 |
      4.7014     |                                              *  |
      4.5988     |                                                 |
      4.4963     |                                                 |
                 |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.84	2.50

LIGHT PROFILE ANALYSES - FOR 3/11/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.36782	-0.02320	0.99735	0.99470

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	998.	6.90675	6.90385
2	40.	640.	6.46303	6.43988
3	60.	394.	5.97889	5.97591
4	80.	226.	5.42495	5.51194
5	100.	164.	5.10595	5.04797

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.2521    |                                                 |
      7.1538    |                                                 |
      7.0556    |                                                 |
      6.9573    |*                                                |
      6.8590    |                                                 |
      6.7608    |                                                 |
      6.6625    |                                                 |
      6.5643    |                                                 |
      6.4660    |            *                                    |
      6.3677    |                                                 |
      6.2695    |                                                 |
      6.1712    |                                                 |
      6.0730    |                       *                         |
      5.9747    |                                                 |
      5.8764    |                                                 |
      5.7782    |                                                 |
      5.6799    |                                                 |
      5.5817    |                                  E              |
      5.4834    |                                  *              |
      5.3851    |                                                 |
      5.2869    |                                                 |
      5.1886    |                                              *  |
      5.0904    |                                              E  |
      4.9921    |                                                 |
      4.8938    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280

              MEAN EXT. COEF.          ONE PERCENT LIGHT DEPTH(M)
            ---------------          --------------------------
```

1.74	2.65

LIGHT PROFILE ANALYSES - FOR 3/11/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.50757	-0.02468	0.98768	0.97551

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	994.	6.90274	7.01387
2	40.	740.	6.60800	6.52018
3	60.	483.	6.18209	6.02649
4	80.	221.	5.40268	5.53280
5	100.	153.	5.03695	5.03911

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.3646    |                                                 |
      7.2614    |                                                 |
      7.1582    |                                                 |
      7.0550    |E                                                |
      6.9519    |*                                                |
      6.8487    |                                                 |
      6.7455    |                                                 |
      6.6423    |           *                                     |
      6.5391    |           E                                     |
      6.4360    |                                                 |
      6.3328    |                                                 |
      6.2296    |                      *                          |
      6.1264    |                      E                          |
      6.0232    |                                                 |
      5.9201    |                                                 |
      5.8169    |                                                 |
      5.7137    |                                                 |
      5.6105    |                                 E               |
      5.5074    |                                                 |
      5.4042    |                                 *               |
      5.3010    |                                                 |
      5.1978    |                                                 |
      5.0946    |                                             *   |
      4.9915    |                                                 |
      4.8883    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.85	2.49

LIGHT PROFILE ANALYSES - FOR 3/11/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.46638	-0.03565	0.98677	0.97371

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	134.	4.90527	4.75340
2	40.	56.	4.04305	4.04042
3	60.	20.	3.04452	3.32745
4	80.	12.	2.56495	2.61447
5	100.	7.	2.07944	1.90149

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.1505    |                                                 |
      5.0168    |*                                                |
      4.8830    |E                                                |
      4.7492    |                                                 |
      4.6155    |                                                 |
      4.4817    |                                                 |
      4.3479    |                                                 |
      4.2142    |                                                 |
      4.0804    |            *                                    |
      3.9467    |                                                 |
      3.8129    |                                                 |
      3.6791    |                                                 |
      3.5454    |                                                 |
      3.4116    |                       E                         |
      3.2778    |                                                 |
      3.1441    |                       *                         |
      3.0103    |                                                 |
      2.8765    |                                                 |
      2.7428    |                                   E             |
      2.6090    |                                   *             |
      2.4752    |                                                 |
      2.3415    |                                                 |
      2.2077    |                                              *  |
      2.0739    |                                                 |
      1.9402    |                                              E  |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.67	1.72

LIGHT PROFILE ANALYSES - FOR 3/11/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.49890	-0.03114	0.99930	0.99860

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	982.	6.89061	6.87619
2	40.	524.	6.26340	6.25347
3	60.	273.	5.61313	5.63076
4	80.	141.	4.95583	5.00804
5	100.	83.	4.43082	4.38532

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.2351    |                                                 |
      7.1124    |                                                 |
      6.9896    |*                                                |
      6.8669    |                                                 |
      6.7441    |                                                 |
      6.6213    |                                                 |
      6.4986    |                                                 |
      6.3758    |            *                                    |
      6.2530    |                                                 |
      6.1303    |                                                 |
      6.0075    |                                                 |
      5.8847    |                                                 |
      5.7620    |                                                 |
      5.6392    |                       *                         |
      5.5165    |                                                 |
      5.3937    |                                                 |
      5.2709    |                                                 |
      5.1482    |                                                 |
      5.0254    |                                   *             |
      4.9026    |                                                 |
      4.7799    |                                                 |
      4.6571    |                                                 |
      4.5344    |                                              *  |
      4.4116    |                                              E  |
      4.2888    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.34	1.97

LIGHT PROFILE ANALYSES - FOR 3/11/2003

ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.68888	-0.03387	0.99636	0.99273

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1002.	6.91075	7.01152
2	40.	596.	6.39192	6.33416
3	60.	312.	5.74620	5.65680
4	80.	152.	5.03044	4.97944
5	100.	66.	4.20469	4.30208

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.3621    |                                                 |
      7.2274    |                                                 |
      7.0927    |E                                                |
      6.9580    |*                                                |
      6.8233    |                                                 |
      6.6886    |                                                 |
      6.5539    |                                                 |
      6.4192    |            *                                    |
      6.2845    |                                                 |
      6.1497    |                                                 |
      6.0150    |                                                 |
      5.8803    |                       *                         |
      5.7456    |                       E                         |
      5.6109    |                                                 |
      5.4762    |                                                 |
      5.3415    |                                                 |
      5.2068    |                                                 |
      5.0721    |                                   *             |
      4.9374    |                                                 |
      4.8027    |                                                 |
      4.6680    |                                                 |
      4.5333    |                                                 |
      4.3986    |                                             E   |
      4.2639    |                                             *   |
      4.1292    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.54	1.81

LIGHT PROFILE ANALYSES - FOR 3/11/2003

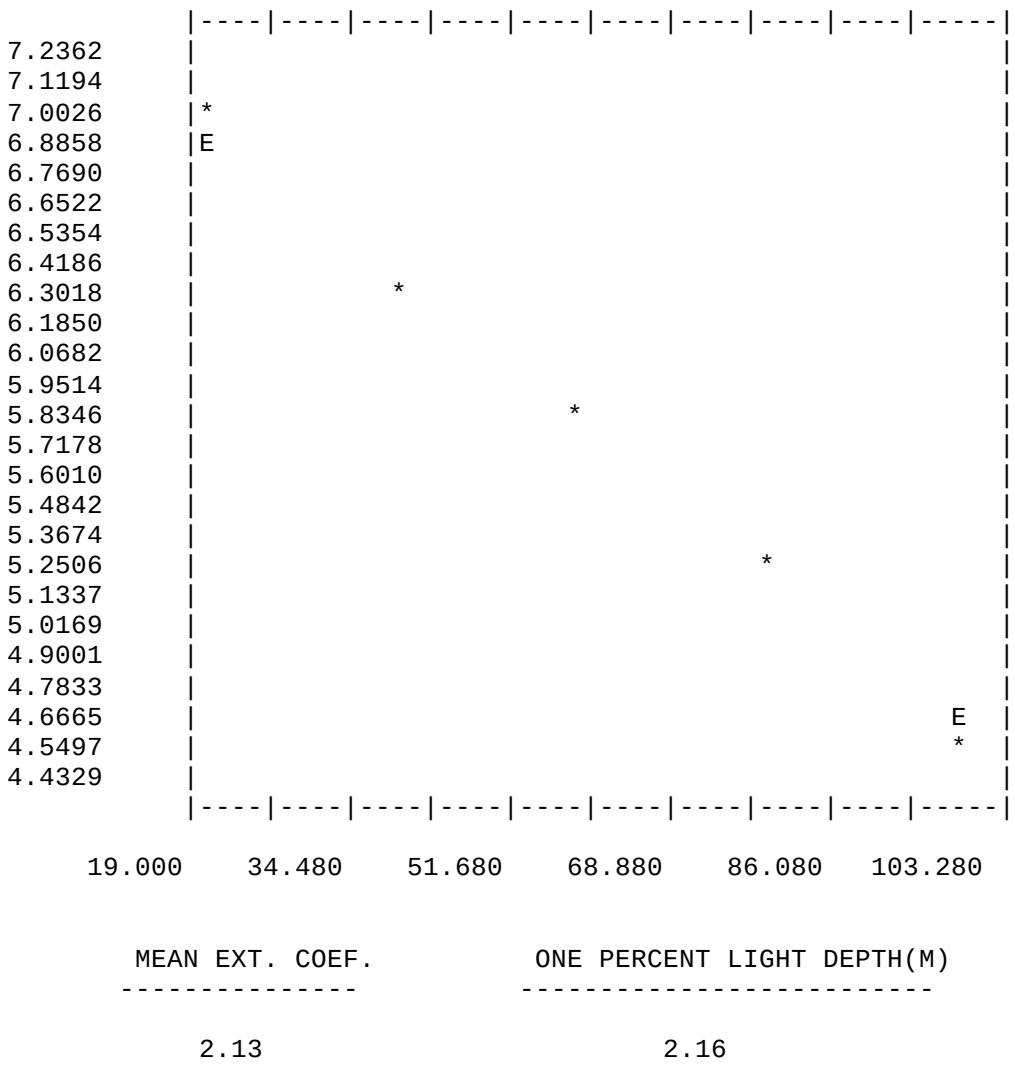
STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.43643	-0.02838	0.99650	0.99301

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	983.	6.89163	6.86875
2	40.	492.	6.20051	6.30107
3	60.	333.	5.81114	5.73339
4	80.	184.	5.22036	5.16570
5	100.	93.	4.54329	4.59802



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.13	2.16

LIGHT PROFILE ANALYSES - FOR 4/11/2003

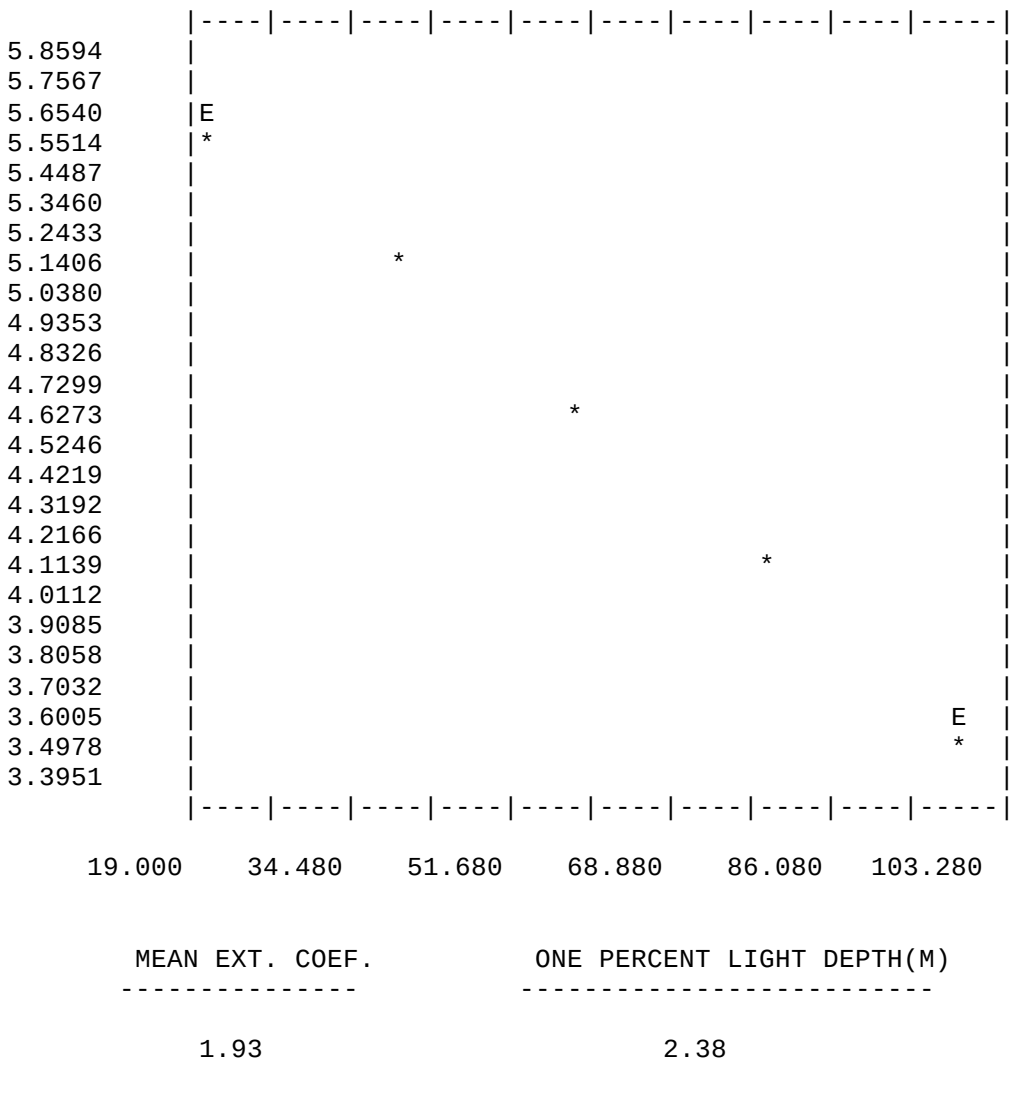
ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.09528	-0.02575	0.99757	0.99514

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	250.	5.52545	5.58037
2	40.	167.	5.12396	5.06546
3	60.	93.	4.54329	4.55056
4	80.	59.	4.09434	4.03565
5	100.	31.	3.46574	3.52075



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.93	2.38

LIGHT PROFILE ANALYSES - FOR 4/11/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.80720	-0.02908	0.99270	0.98546

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	169.	5.13580	5.22566
2	40.	103.	4.64439	4.64411
3	60.	66.	4.20469	4.06256
4	80.	34.	3.55535	3.48102
5	100.	15.	2.77259	2.89947

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.4869    |                                                 |
      5.3728    |                                                 |
      5.2587    |E                                                |
      5.1446    |*                                                |
      5.0305    |                                                 |
      4.9163    |                                                 |
      4.8022    |                                                 |
      4.6881    |            *                                    |
      4.5740    |                                                 |
      4.4599    |                                                 |
      4.3457    |                                                 |
      4.2316    |                       *                         |
      4.1175    |                       E                         |
      4.0034    |                                                 |
      3.8893    |                                                 |
      3.7752    |                                                 |
      3.6610    |                                   *             |
      3.5469    |                                   E             |
      3.4328    |                                                 |
      3.3187    |                                                 |
      3.2046    |                                                 |
      3.0904    |                                                 |
      2.9763    |                                              E  |
      2.8622    |                                              *  |
      2.7481    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.18	2.11

LIGHT PROFILE ANALYSES - FOR 4/11/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
3.96970	-0.02412	0.99711	0.99422

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	32.	3.49651	3.48730
2	40.	19.	2.99573	3.00490
3	60.	12.	2.56495	2.52251
4	80.	6.	1.94591	2.04011
5	100.	4.	1.60944	1.55772

```
                |----|----|----|----|----|----|----|----|----|-----|
      3.6713    |                                                 |
      3.5837    |*                                                |
      3.4960    |E                                                |
      3.4084    |                                                 |
      3.3207    |                                                 |
      3.2330    |                                                 |
      3.1454    |                                                 |
      3.0577    |            *                                    |
      2.9701    |                                                 |
      2.8824    |                                                 |
      2.7947    |                                                 |
      2.7071    |                                                 |
      2.6194    |                       *                         |
      2.5318    |                       E                         |
      2.4441    |                                                 |
      2.3564    |                                                 |
      2.2688    |                                                 |
      2.1811    |                                                 |
      2.0935    |                                 E               |
      2.0058    |                                 *               |
      1.9181    |                                                 |
      1.8305    |                                                 |
      1.7428    |                                                 |
      1.6552    |                                             *   |
      1.5675    |                                             E   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.81	2.55

LIGHT PROFILE ANALYSES - FOR 4/11/2003

ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.70627	-0.01669	0.99652	0.99306

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	579.	6.36303	6.37238
2	40.	407.	6.01127	6.03849
3	60.	323.	5.78074	5.70460
4	80.	207.	5.33754	5.37071
5	100.	152.	5.03044	5.03682

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6910    |                                                 |
      6.6145    |                                                 |
      6.5380    |                                                 |
      6.4616    |                                                 |
      6.3851    |*                                                |
      6.3086    |                                                 |
      6.2321    |                                                 |
      6.1556    |                                                 |
      6.0791    |            *                                    |
      6.0027    |                                                 |
      5.9262    |                                                 |
      5.8497    |                       *                         |
      5.7732    |                       E                         |
      5.6967    |                                                 |
      5.6202    |                                                 |
      5.5438    |                                                 |
      5.4673    |                                                 |
      5.3908    |                                   *             |
      5.3143    |                                                 |
      5.2378    |                                                 |
      5.1613    |                                                 |
      5.0849    |                                                *|
      5.0084    |                                                 |
      4.9319    |                                                 |
      4.8554    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.25	3.68

LIGHT PROFILE ANALYSES - FOR 4/11/2003

STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.68463	-0.02785	0.99906	0.99812

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	477.	6.16961	6.12760
2	40.	256.	5.54908	5.57057
3	60.	142.	4.96284	5.01354
4	80.	85.	4.45435	4.45651
5	100.	50.	3.93183	3.89948

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.4781    |                                                 |
      6.3671    |                                                 |
      6.2562    |*                                                |
      6.1453    |E                                                |
      6.0343    |                                                 |
      5.9234    |                                                 |
      5.8124    |                                                 |
      5.7015    |                                                 |
      5.5905    |            *                                    |
      5.4796    |                                                 |
      5.3687    |                                                 |
      5.2577    |                                                 |
      5.1468    |                                                 |
      5.0358    |                       *                         |
      4.9249    |                                                 |
      4.8139    |                                                 |
      4.7030    |                                                 |
      4.5921    |                                                 |
      4.4811    |                                   *             |
      4.3702    |                                                 |
      4.2592    |                                                 |
      4.1483    |                                                 |
      4.0373    |                                              *  |
      3.9264    |                                              E  |
      3.8155    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.09	2.20

LIGHT PROFILE ANALYSES - FOR 5/16/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.18302	-0.01244	0.98744	0.97503

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1108.	7.01121	6.93413
2	40.	748.	6.61874	6.68523
3	60.	585.	6.37332	6.43633
4	80.	494.	6.20456	6.18743
5	100.	392.	5.97381	5.93853

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.3618    |                                                 |
      7.2930    |                                                 |
      7.2242    |                                                 |
      7.1554    |                                                 |
      7.0865    |                                                 |
      7.0177    |*                                                |
      6.9489    |E                                                |
      6.8801    |                                                 |
      6.8113    |                                                 |
      6.7425    |            E                                    |
      6.6737    |            *                                    |
      6.6049    |                                                 |
      6.5361    |                                                 |
      6.4673    |                       E                         |
      6.3985    |                       *                         |
      6.3297    |                                                 |
      6.2609    |                                   *             |
      6.1921    |                                   E             |
      6.1233    |                                                 |
      6.0544    |                                                 |
      5.9856    |                                             *   |
      5.9168    |                                                 |
      5.8480    |                                                 |
      5.7792    |                                                 |
      5.7104    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
0.93	4.93

LIGHT PROFILE ANALYSES - FOR 5/16/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.13962	-0.01683	0.99798	0.99596

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	866.	6.76504	6.80298
2	40.	676.	6.51767	6.46633
3	60.	455.	6.12249	6.12968
4	80.	331.	5.80513	5.79304
5	100.	229.	5.43808	5.45639

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1431    |                                                 |
      7.0640    |                                                 |
      6.9850    |                                                 |
      6.9059    |                                                 |
      6.8268    |*                                                |
      6.7477    |                                                 |
      6.6687    |                                                 |
      6.5896    |            *                                    |
      6.5105    |            E                                    |
      6.4314    |                                                 |
      6.3523    |                                                 |
      6.2733    |                                                 |
      6.1942    |                       *                         |
      6.1151    |                                                 |
      6.0360    |                                                 |
      5.9570    |                                                 |
      5.8779    |                                   *             |
      5.7988    |                                   E             |
      5.7197    |                                                 |
      5.6406    |                                                 |
      5.5616    |                                                 |
      5.4825    |                                             *   |
      5.4034    |                                                 |
      5.3243    |                                                 |
      5.2453    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.26	3.65

LIGHT PROFILE ANALYSES - FOR 5/16/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.53169	-0.02488	0.99887	0.99774

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	413.	6.02587	6.03403
2	40.	264.	5.57973	5.53637
3	60.	149.	5.01064	5.03872
4	80.	89.	4.49981	4.54106
5	100.	58.	4.07754	4.04340

```
                 |----|----|----|----|----|----|----|----|----|-----|
      6.3357     |                                                 |
      6.2360     |                                                 |
      6.1362     |                                                 |
      6.0364     |*                                                |
      5.9366     |                                                 |
      5.8368     |                                                 |
      5.7371     |                                                 |
      5.6373     |            *                                    |
      5.5375     |            E                                    |
      5.4377     |                                                 |
      5.3379     |                                                 |
      5.2382     |                                                 |
      5.1384     |                       E                         |
      5.0386     |                       *                         |
      4.9388     |                                                 |
      4.8390     |                                                 |
      4.7393     |                                                 |
      4.6395     |                                   E             |
      4.5397     |                                   *             |
      4.4399     |                                                 |
      4.3401     |                                                 |
      4.2404     |                                                 |
      4.1406     |                                              *  |
      4.0408     |                                                 |
      3.9410     |                                                 |
                 |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.87	2.47

LIGHT PROFILE ANALYSES - FOR 5/16/2003

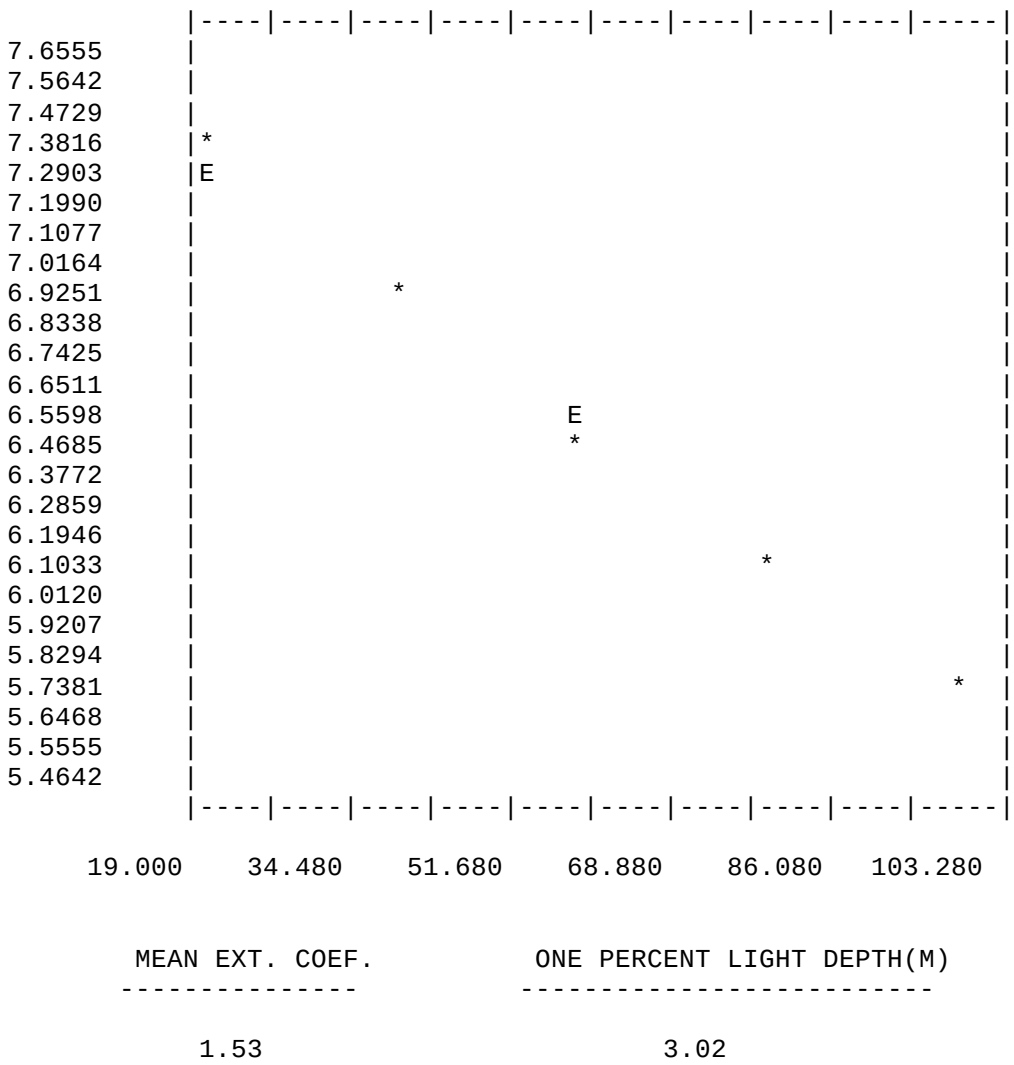
ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.68926	-0.02034	0.99949	0.99897

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1466.	7.29097	7.28253
2	40.	980.	6.88857	6.87581
3	60.	625.	6.43935	6.46908
4	80.	423.	6.04973	6.06235
5	100.	291.	5.67675	5.65562



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.53	3.02

LIGHT PROFILE ANALYSES - FOR 5/16/2003

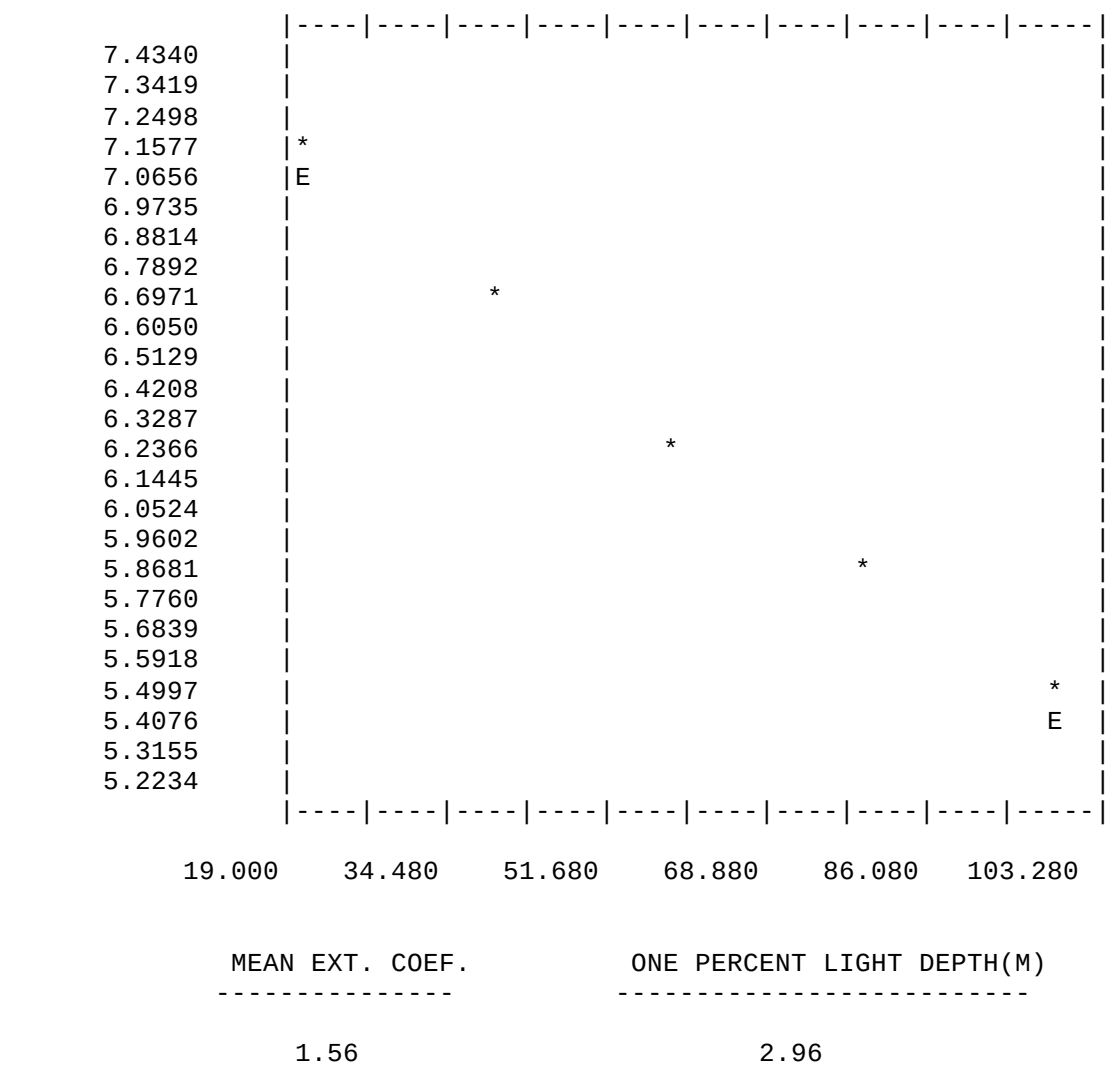
STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.47907	-0.02078	0.99905	0.99811

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1187.	7.08003	7.06352
2	40.	779.	6.65929	6.64796
3	60.	486.	6.18826	6.23241
4	80.	331.	5.80513	5.81686
5	100.	227.	5.42935	5.40131



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.56	2.96

LIGHT PROFILE ANALYSES - FOR 6/20/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.05334	-0.01649	0.99586	0.99173

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	315.	5.75574	5.72360
2	40.	214.	5.37064	5.39386
3	60.	148.	5.00395	5.06411
4	80.	120.	4.79579	4.73437
5	100.	80.	4.39445	4.40463

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.0435    |                                                 |
      5.9688    |                                                 |
      5.8940    |                                                 |
      5.8193    |*                                                |
      5.7445    |E                                                |
      5.6698    |                                                 |
      5.5950    |                                                 |
      5.5203    |                                                 |
      5.4455    |            E                                    |
      5.3708    |            *                                    |
      5.2960    |                                                 |
      5.2213    |                                                 |
      5.1465    |                                                 |
      5.0717    |                       *                         |
      4.9970    |                                                 |
      4.9222    |                                                 |
      4.8475    |                                   *             |
      4.7727    |                                   E             |
      4.6980    |                                                 |
      4.6232    |                                                 |
      4.5485    |                                                 |
      4.4737    |                                              E  |
      4.3990    |                                              *  |
      4.3242    |                                                 |
      4.2495    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.24	3.72

LIGHT PROFILE ANALYSES - FOR 6/20/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.53842	-0.03212	0.99474	0.98951

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	388.	5.96358	5.89611
2	40.	180.	5.19850	5.25380
3	60.	88.	4.48864	4.61149
4	80.	60.	4.11087	3.96917
5	100.	26.	3.29584	3.32686

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.2618    |                                                 |
      6.1365    |                                                 |
      6.0113    |*                                                |
      5.8861    |                                                 |
      5.7608    |                                                 |
      5.6356    |                                                 |
      5.5104    |                                                 |
      5.3852    |                                                 |
      5.2599    |            *                                    |
      5.1347    |                                                 |
      5.0095    |                                                 |
      4.8842    |                                                 |
      4.7590    |                                                 |
      4.6338    |                       E                         |
      4.5086    |                       *                         |
      4.3833    |                                                 |
      4.2581    |                                                 |
      4.1329    |                                   *             |
      4.0076    |                                   E             |
      3.8824    |                                                 |
      3.7572    |                                                 |
      3.6320    |                                                 |
      3.5067    |                                                 |
      3.3815    |                                             *   |
      3.2563    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.41	1.91

LIGHT PROFILE ANALYSES - FOR 7/18/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.75936	-0.02483	0.99327	0.98659

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	565.	6.33859	6.26268
2	40.	318.	5.76519	5.76601
3	60.	167.	5.12396	5.26933
4	80.	116.	4.76217	4.77265
5	100.	77.	4.35671	4.27597

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6555    |                                                 |
      6.5518    |                                                 |
      6.4481    |                                                 |
      6.3443    |*                                                |
      6.2406    |                                                 |
      6.1369    |                                                 |
      6.0331    |                                                 |
      5.9294    |                                                 |
      5.8257    |            *                                    |
      5.7219    |                                                 |
      5.6182    |                                                 |
      5.5144    |                                                 |
      5.4107    |                                                 |
      5.3070    |                       E                         |
      5.2032    |                       *                         |
      5.0995    |                                                 |
      4.9958    |                                                 |
      4.8920    |                                                 |
      4.7883    |                                   *             |
      4.6846    |                                                 |
      4.5808    |                                                 |
      4.4771    |                                                 |
      4.3734    |                                               *  |
      4.2696    |                                                 |
      4.1659    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.86	2.47

LIGHT PROFILE ANALYSES - FOR 7/18/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.71339	-0.02746	0.99496	0.98994

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	523.	6.26149	6.16414
2	40.	240.	5.48480	5.61490
3	60.	153.	5.03695	5.06565
4	80.	96.	4.57471	4.51640
5	100.	52.	3.97029	3.96715

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.5746    |                                                 |
      6.4623    |                                                 |
      6.3501    |*                                                |
      6.2379    |E                                                |
      6.1256    |                                                 |
      6.0134    |                                                 |
      5.9012    |                                                 |
      5.7890    |                                                 |
      5.6767    |            E                                    |
      5.5645    |            *                                    |
      5.4523    |                                                 |
      5.3400    |                                                 |
      5.2278    |                                                 |
      5.1156    |                       *                         |
      5.0033    |                                                 |
      4.8911    |                                                 |
      4.7789    |                                                 |
      4.6666    |                                   *             |
      4.5544    |                                   E             |
      4.4422    |                                                 |
      4.3300    |                                                 |
      4.2177    |                                                 |
      4.1055    |                                                 |
      3.9933    |                                             *   |
      3.8810    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.06	2.24

LIGHT PROFILE ANALYSES - FOR 7/18/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.71720	-0.03455	0.99484	0.98971

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	463.	6.13988	6.02624
2	40.	196.	5.28320	5.33528
3	60.	87.	4.47734	4.64432
4	80.	53.	3.98898	3.95336
5	100.	27.	3.33220	3.26241

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.4469    |                                                 |
      6.3130    |                                                 |
      6.1791    |*                                                |
      6.0452    |E                                                |
      5.9113    |                                                 |
      5.7774    |                                                 |
      5.6435    |                                                 |
      5.5096    |                                                 |
      5.3757    |            *                                    |
      5.2417    |                                                 |
      5.1078    |                                                 |
      4.9739    |                                                 |
      4.8400    |                                                 |
      4.7061    |                       E                         |
      4.5722    |                       *                         |
      4.4383    |                                                 |
      4.3044    |                                                 |
      4.1705    |                                                 |
      4.0366    |                                   *             |
      3.9027    |                                                 |
      3.7688    |                                                 |
      3.6349    |                                                 |
      3.5010    |                                                 |
      3.3671    |                                                *|
      3.2332    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.59	1.78

LIGHT PROFILE ANALYSES - FOR 7/18/2003

ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.59218	-0.02519	0.98253	0.96537

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	487.	6.19032	6.08838
2	40.	260.	5.56452	5.58459
3	60.	125.	4.83628	5.08079
4	80.	111.	4.71850	4.57700
5	100.	59.	4.09434	4.07320

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.4998    |                                                 |
      6.3946    |                                                 |
      6.2894    |*                                                |
      6.1842    |E                                                |
      6.0790    |                                                 |
      5.9738    |                                                 |
      5.8686    |                                                 |
      5.7633    |                                                 |
      5.6581    |            *                                    |
      5.5529    |                                                 |
      5.4477    |                                                 |
      5.3425    |                                                 |
      5.2373    |                                                 |
      5.1321    |                       E                         |
      5.0269    |                                                 |
      4.9217    |                       *                         |
      4.8164    |                                   *             |
      4.7112    |                                                 |
      4.6060    |                                   E             |
      4.5008    |                                                 |
      4.3956    |                                                 |
      4.2904    |                                                 |
      4.1852    |                                             *   |
      4.0800    |                                             E   |
      3.9747    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.89	2.44

LIGHT PROFILE ANALYSES - FOR 7/18/2003

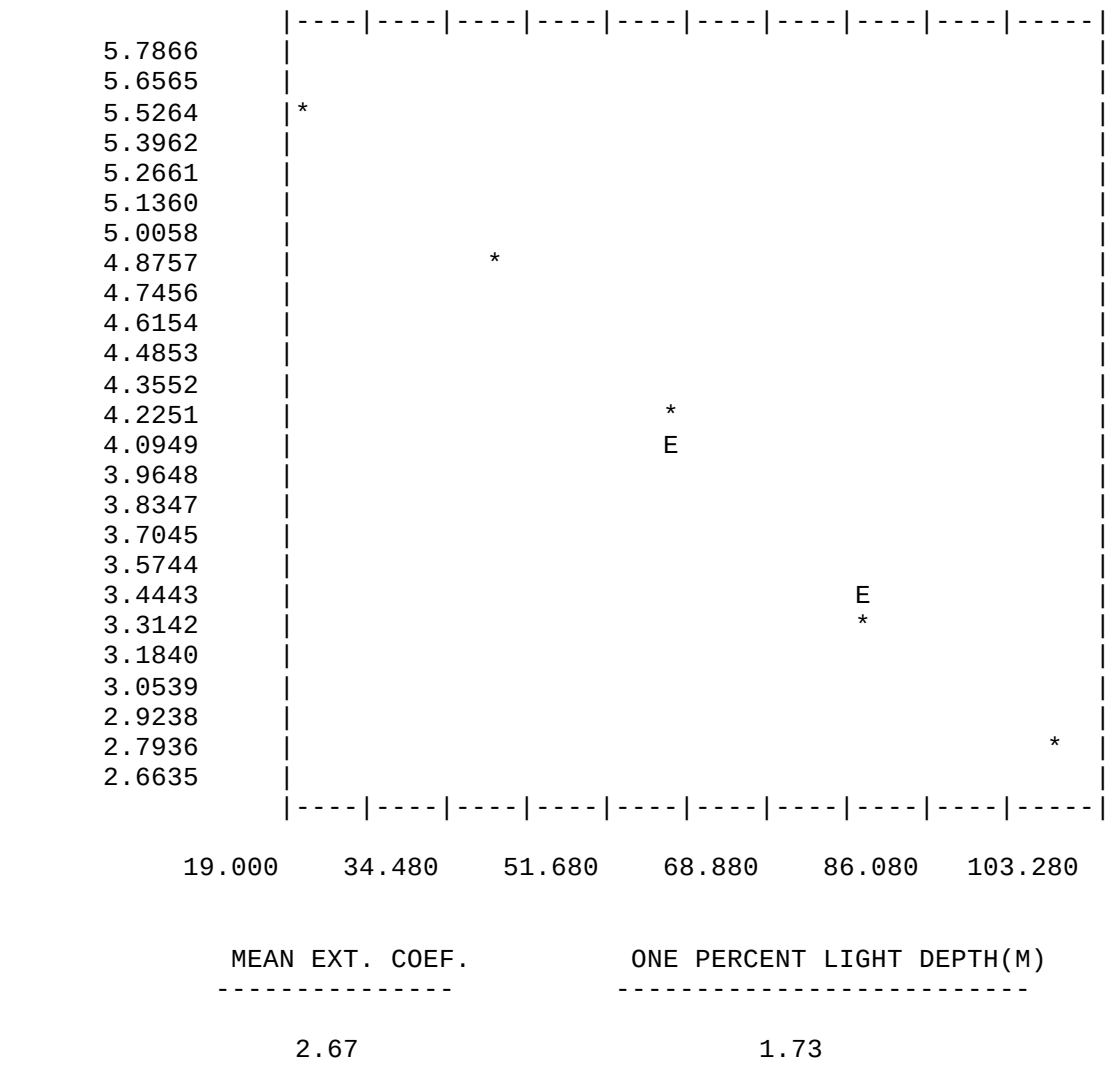
STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.22215	-0.03555	0.99902	0.99805

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	246.	5.50939	5.51106
2	40.	121.	4.80402	4.79997
3	60.	61.	4.12713	4.08889
4	80.	26.	3.29584	3.37780
5	100.	14.	2.70805	2.66671



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.67	1.73

LIGHT PROFILE ANALYSES - FOR 8/13/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.26671	-0.01936	0.99784	0.99568

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	954.	6.86171	6.87948
2	40.	656.	6.48768	6.49224
3	60.	477.	6.16961	6.10501
4	80.	290.	5.67332	5.71777
5	100.	206.	5.33272	5.33054

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.2235    |                                                 |
      7.1371    |                                                 |
      7.0507    |                                                 |
      6.9643    |E                                                |
      6.8779    |*                                                |
      6.7916    |                                                 |
      6.7052    |                                                 |
      6.6188    |                                                 |
      6.5324    |            *                                    |
      6.4461    |                                                 |
      6.3597    |                                                 |
      6.2733    |                                                 |
      6.1869    |                       *                         |
      6.1005    |                                                 |
      6.0142    |                                                 |
      5.9278    |                                                 |
      5.8414    |                                                 |
      5.7550    |                                   *             |
      5.6687    |                                                 |
      5.5823    |                                                 |
      5.4959    |                                                 |
      5.4095    |                                               *  |
      5.3231    |                                                 |
      5.2368    |                                                 |
      5.1504    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.45	3.17

LIGHT PROFILE ANALYSES - FOR 8/13/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.39081	-0.02188	0.98625	0.97268

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1179.	7.07327	6.95318
2	40.	556.	6.32257	6.51555
3	60.	452.	6.11589	6.07792
4	80.	287.	5.66296	5.64030
5	100.	183.	5.21494	5.20267

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.4269    |                                                 |
      7.3276    |                                                 |
      7.2282    |                                                 |
      7.1288    |*                                                |
      7.0294    |E                                                |
      6.9301    |                                                 |
      6.8307    |                                                 |
      6.7313    |                                                 |
      6.6319    |                                                 |
      6.5326    |            E                                    |
      6.4332    |                                                 |
      6.3338    |            *                                    |
      6.2344    |                                                 |
      6.1350    |                       *                         |
      6.0357    |                                                 |
      5.9363    |                                                 |
      5.8369    |                                                 |
      5.7375    |                                   *             |
      5.6382    |                                                 |
      5.5388    |                                                 |
      5.4394    |                                                 |
      5.3400    |                                                 |
      5.2407    |                                              *  |
      5.1413    |                                                 |
      5.0419    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.64	2.81

LIGHT PROFILE ANALYSES - FOR 8/13/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.32914	-0.03062	0.99480	0.98962

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	815.	6.70441	6.71676
2	40.	422.	6.04737	6.10439
3	60.	284.	5.65249	5.49201
4	80.	118.	4.77912	4.87964
5	100.	71.	4.27667	4.26726

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0526    |                                                 |
      6.9327    |                                                 |
      6.8127    |*                                                |
      6.6928    |                                                 |
      6.5728    |                                                 |
      6.4529    |                                                 |
      6.3329    |                                                 |
      6.2130    |            E                                    |
      6.0930    |            *                                    |
      5.9731    |                                                 |
      5.8531    |                                                 |
      5.7332    |                       *                         |
      5.6132    |                                                 |
      5.4933    |                       E                         |
      5.3733    |                                                 |
      5.2534    |                                                 |
      5.1334    |                                                 |
      5.0135    |                                                 |
      4.8935    |                                   *             |
      4.7736    |                                                 |
      4.6536    |                                                 |
      4.5337    |                                                 |
      4.4137    |                                                 |
      4.2938    |                                             *   |
      4.1739    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.30	2.01

LIGHT PROFILE ANALYSES - FOR 8/13/2003

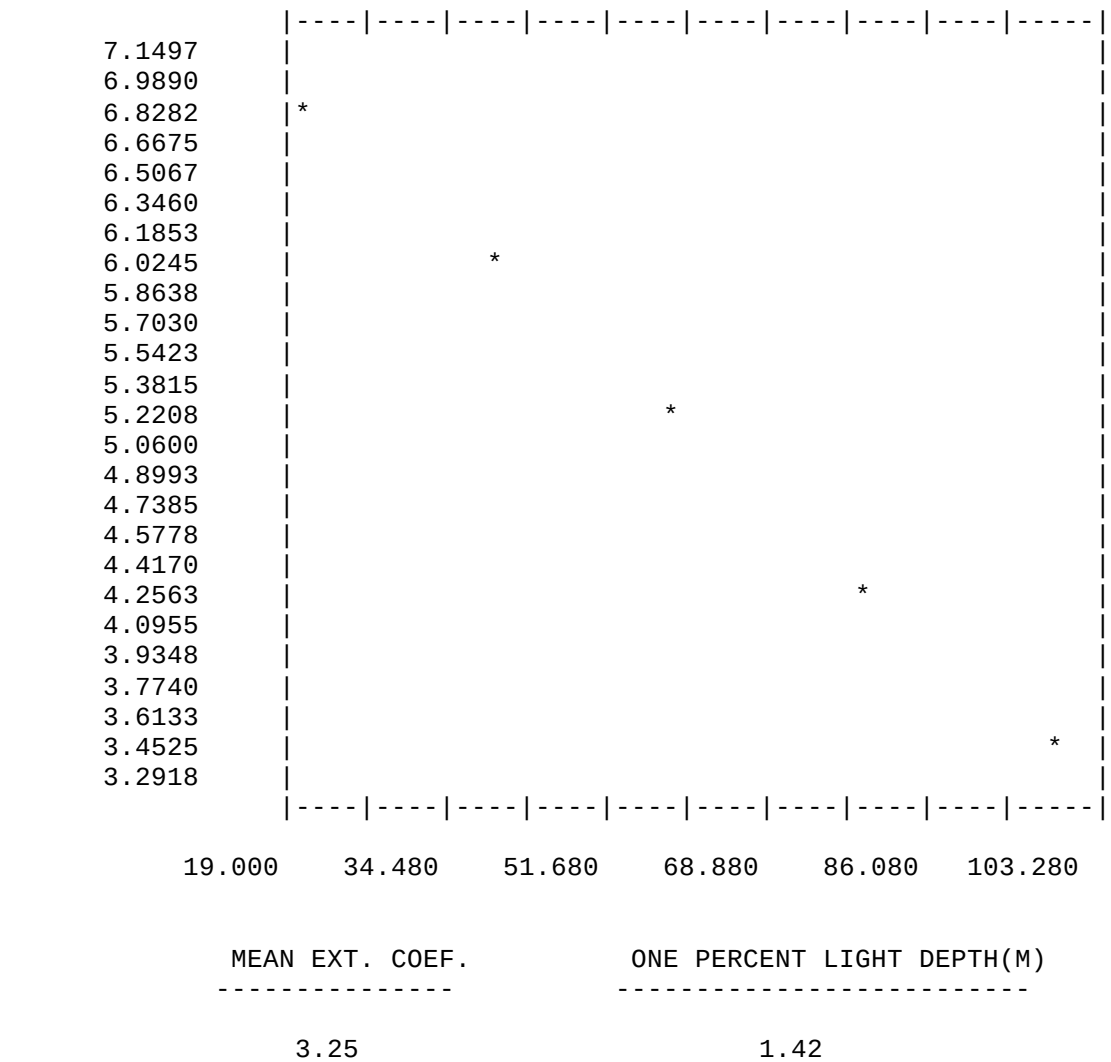
ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.67659	-0.04337	0.99883	0.99765

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	847.	6.74288	6.80927
2	40.	390.	5.96871	5.94196
3	60.	176.	5.17615	5.07465
4	80.	65.	4.18965	4.20733
5	100.	26.	3.29584	3.34002



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.25	1.42

LIGHT PROFILE ANALYSES - FOR 8/13/2003

STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.66716	-0.04966	0.99953	0.99906

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	775.	6.65415	6.67402
2	40.	291.	5.67675	5.68088
3	60.	116.	4.76217	4.68774
4	80.	37.	3.63759	3.69461
5	100.	14.	2.70805	2.70147

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0077    |                                                 |
      6.8301    |*                                                |
      6.6524    |                                                 |
      6.4748    |                                                 |
      6.2971    |                                                 |
      6.1195    |                                                 |
      5.9418    |                                                 |
      5.7641    |            *                                    |
      5.5865    |                                                 |
      5.4088    |                                                 |
      5.2312    |                                                 |
      5.0535    |                                                 |
      4.8759    |                       *                         |
      4.6982    |                       E                         |
      4.5206    |                                                 |
      4.3429    |                                                 |
      4.1653    |                                                 |
      3.9876    |                                                 |
      3.8100    |                                   *             |
      3.6323    |                                                 |
      3.4547    |                                                 |
      3.2770    |                                                 |
      3.0994    |                                                 |
      2.9217    |                                                 |
      2.7441    |                                             *   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.72	1.24

LIGHT PROFILE ANALYSES - FOR 9/10/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.29901	-0.02992	0.99716	0.99432

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	840.	6.73459	6.70057
2	40.	448.	6.10702	6.10212
3	60.	218.	5.38907	5.50367
4	80.	145.	4.98361	4.90522
5	100.	73.	4.30407	4.30678

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0713    |                                                 |
      6.9520    |                                                 |
      6.8327    |*                                                |
      6.7134    |E                                                |
      6.5941    |                                                 |
      6.4748    |                                                 |
      6.3555    |                                                 |
      6.2362    |                                                 |
      6.1169    |            *                                    |
      5.9976    |                                                 |
      5.8783    |                                                 |
      5.7590    |                                                 |
      5.6397    |                                                 |
      5.5204    |                       E                         |
      5.4011    |                       *                         |
      5.2818    |                                                 |
      5.1625    |                                                 |
      5.0432    |                                   *             |
      4.9239    |                                   E             |
      4.8047    |                                                 |
      4.6854    |                                                 |
      4.5661    |                                                 |
      4.4468    |                                                 |
      4.3275    |                                             *   |
      4.2082    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.24	2.05

LIGHT PROFILE ANALYSES - FOR 9/10/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.57442	-0.03761	0.97418	0.94902

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	720.	6.58064	6.82220
2	40.	443.	6.09582	6.06997
3	60.	299.	5.70378	5.31775
4	80.	107.	4.68213	4.56552
5	100.	33.	3.52636	3.81330

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1633    |                                                 |
      7.0108    |                                                 |
      6.8582    |E                                                |
      6.7057    |*                                                |
      6.5532    |                                                 |
      6.4007    |                                                 |
      6.2481    |            *                                    |
      6.0956    |            E                                    |
      5.9431    |                                                 |
      5.7905    |                       *                         |
      5.6380    |                                                 |
      5.4855    |                                                 |
      5.3329    |                       E                         |
      5.1804    |                                                 |
      5.0279    |                                                 |
      4.8753    |                                                 |
      4.7228    |                                   *             |
      4.5703    |                                   E             |
      4.4178    |                                                 |
      4.2652    |                                                 |
      4.1127    |                                                 |
      3.9602    |                                             E   |
      3.8076    |                                                 |
      3.6551    |                                             *   |
      3.5026    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.82	1.63

LIGHT PROFILE ANALYSES - FOR 9/10/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.33691	-0.03264	0.99576	0.99154

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	889.	6.79122	6.68404
2	40.	390.	5.96871	6.03118
3	60.	190.	5.25227	5.37831
4	80.	113.	4.73620	4.72544
5	100.	62.	4.14313	4.07257

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1308    |                                                 |
      7.0003    |                                                 |
      6.8698    |*                                                |
      6.7394    |E                                                |
      6.6089    |                                                 |
      6.4784    |                                                 |
      6.3479    |                                                 |
      6.2175    |                                                 |
      6.0870    |            *                                    |
      5.9565    |                                                 |
      5.8260    |                                                 |
      5.6956    |                                                 |
      5.5651    |                                                 |
      5.4346    |                       E                         |
      5.3042    |                       *                         |
      5.1737    |                                                 |
      5.0432    |                                                 |
      4.9127    |                                                 |
      4.7823    |                                   *             |
      4.6518    |                                                 |
      4.5213    |                                                 |
      4.3908    |                                                 |
      4.2604    |                                              *  |
      4.1299    |                                              E  |
      3.9994    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.45	1.88

LIGHT PROFILE ANALYSES - FOR 9/10/2003

ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.56440	-0.04542	0.99602	0.99206

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	803.	6.68960	6.65591
2	40.	336.	5.82008	5.74742
3	60.	100.	4.61512	4.83894
4	80.	55.	4.02535	3.93045
5	100.	20.	3.04452	3.02196

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0241    |                                                 |
      6.8580    |                                                 |
      6.6918    |*                                                |
      6.5257    |                                                 |
      6.3596    |                                                 |
      6.1934    |                                                 |
      6.0273    |                                                 |
      5.8612    |            *                                    |
      5.6950    |                                                 |
      5.5289    |                                                 |
      5.3628    |                                                 |
      5.1967    |                                                 |
      5.0305    |                                                 |
      4.8644    |                       E                         |
      4.6983    |                       *                         |
      4.5321    |                                                 |
      4.3660    |                                                 |
      4.1999    |                                                 |
      4.0338    |                                   *             |
      3.8676    |                                                 |
      3.7015    |                                                 |
      3.5354    |                                                 |
      3.3692    |                                                 |
      3.2031    |                                             *   |
      3.0370    |                                             E   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.41	1.35

LIGHT PROFILE ANALYSES - FOR 9/10/2003

STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.38699	-0.04498	0.99765	0.99530

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	628.	6.44413	6.48733
2	40.	279.	5.63479	5.58767
3	60.	118.	4.77912	4.68801
4	80.	37.	4.63759	3.78836
5	100.	18.	2.94444	2.88870

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8117    |                                                 |
      6.6490    |E                                                |
      6.4863    |*                                                |
      6.3236    |                                                 |
      6.1609    |                                                 |
      5.9982    |                                                 |
      5.8355    |                                                 |
      5.6728    |            *                                    |
      5.5101    |                                                 |
      5.3474    |                                                 |
      5.1847    |                                                 |
      5.0220    |                                                 |
      4.8593    |                       *                         |
      4.6966    |                       E                         |
      4.5339    |                                                 |
      4.3712    |                                                 |
      4.2085    |                                                 |
      4.0458    |                                                 |
      3.8831    |                                 E               |
      3.7204    |                                 *               |
      3.5578    |                                                 |
      3.3951    |                                                 |
      3.2324    |                                                 |
      3.0697    |                                              *  |
      2.9070    |                                              E  |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280

              MEAN EXT. COEF.          ONE PERCENT LIGHT DEPTH(M)
             ---------------          --------------------------
```

3.37	1.37

LIGHT PROFILE ANALYSES - FOR10/ 8/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.99067	-0.01894	0.99855	0.99710

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	741.	6.60935	6.61185
2	40.	492.	6.20051	6.23303
3	60.	366.	5.90536	5.85421
4	80.	239.	5.48064	5.47538
5	100.	159.	5.07517	5.09656

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9424    |                                                 |
      6.8576    |                                                 |
      6.7728    |                                                 |
      6.6879    |*                                                |
      6.6031    |                                                 |
      6.5182    |                                                 |
      6.4334    |                                                 |
      6.3486    |                                                 |
      6.2637    |            *                                    |
      6.1789    |                                                 |
      6.0940    |                                                 |
      6.0092    |                                                 |
      5.9243    |                       *                         |
      5.8395    |                                                 |
      5.7547    |                                                 |
      5.6698    |                                                 |
      5.5850    |                                                 |
      5.5001    |                                   *             |
      5.4153    |                                                 |
      5.3305    |                                                 |
      5.2456    |                                                 |
      5.1608    |                                               E |
      5.0759    |                                               * |
      4.9911    |                                                 |
      4.9063    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.42	3.24

LIGHT PROFILE ANALYSES - FOR10/ 8/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.99273	-0.02846	0.99668	0.99336

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	665.	6.50129	6.42350
2	40.	336.	5.82008	5.85427
3	60.	179.	5.19296	5.28504
4	80.	108.	4.69135	4.71581
5	100.	67.	4.21951	4.14658

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8264    |                                                 |
      6.7109    |                                                 |
      6.5954    |*                                                |
      6.4799    |E                                                |
      6.3644    |                                                 |
      6.2489    |                                                 |
      6.1334    |                                                 |
      6.0180    |                                                 |
      5.9025    |            *                                    |
      5.7870    |                                                 |
      5.6715    |                                                 |
      5.5560    |                                                 |
      5.4405    |                                                 |
      5.3251    |                       E                         |
      5.2096    |                       *                         |
      5.0941    |                                                 |
      4.9786    |                                                 |
      4.8631    |                                                 |
      4.7476    |                                   *             |
      4.6322    |                                                 |
      4.5167    |                                                 |
      4.4012    |                                                 |
      4.2857    |                                               *  |
      4.1702    |                                               E  |
      4.0547    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

            19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.13	2.16

LIGHT PROFILE ANALYSES - FOR10/ 8/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.70549	-0.02714	0.97758	0.95566

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	597.	6.39359	6.16261
2	40.	217.	5.38450	5.61973
3	60.	146.	4.99043	5.07686
4	80.	88.	4.48864	4.53398
5	100.	61.	4.12713	3.99110

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.7133    |                                                 |
      6.5964    |                                                 |
      6.4795    |*                                                |
      6.3627    |                                                 |
      6.2458    |E                                                |
      6.1289    |                                                 |
      6.0121    |                                                 |
      5.8952    |                                                 |
      5.7783    |                                                 |
      5.6614    |            E                                    |
      5.5446    |                                                 |
      5.4277    |            *                                    |
      5.3108    |                                                 |
      5.1940    |                                                 |
      5.0771    |                       *                         |
      4.9602    |                                                 |
      4.8434    |                                                 |
      4.7265    |                                                 |
      4.6096    |                                  E              |
      4.4928    |                                  *              |
      4.3759    |                                                 |
      4.2590    |                                                 |
      4.1422    |                                              *  |
      4.0253    |                                              E  |
      3.9084    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.04	2.26

LIGHT PROFILE ANALYSES - FOR10/ 8/2003

ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.59885	-0.03589	0.99642	0.99285

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	401.	5.99645	5.88099
2	40.	160.	5.08140	5.16312
3	60.	76.	4.34381	4.44526
4	80.	40.	3.71357	3.72739
5	100.	21.	3.09104	3.00952

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.2963    |                                                 |
      6.1588    |                                                 |
      6.0213    |*                                                |
      5.8838    |E                                                |
      5.7463    |                                                 |
      5.6088    |                                                 |
      5.4713    |                                                 |
      5.3339    |                                                 |
      5.1964    |            *                                    |
      5.0589    |                                                 |
      4.9214    |                                                 |
      4.7839    |                                                 |
      4.6464    |                                                 |
      4.5089    |                       E                         |
      4.3714    |                       *                         |
      4.2339    |                                                 |
      4.0965    |                                                 |
      3.9590    |                                                 |
      3.8215    |                                   *             |
      3.6840    |                                                 |
      3.5465    |                                                 |
      3.4090    |                                                 |
      3.2715    |                                                 |
      3.1340    |                                             *   |
      2.9965    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.69	1.71

LIGHT PROFILE ANALYSES - FOR10/ 8/2003

STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.09031	-0.04501	0.99006	0.98021

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	571.	6.34914	6.19006
2	40.	145.	4.98361	5.28980
3	60.	96.	4.57471	4.38954
4	80.	29.	3.40120	3.48929
5	100.	13.	2.63906	2.58903

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6666    |                                                 |
      6.4983    |*                                                |
      6.3300    |E                                                |
      6.1618    |                                                 |
      5.9935    |                                                 |
      5.8252    |                                                 |
      5.6569    |                                                 |
      5.4886    |                                                 |
      5.3204    |            E                                    |
      5.1521    |                                                 |
      4.9838    |            *                                    |
      4.8155    |                                                 |
      4.6472    |                       *                         |
      4.4789    |                       E                         |
      4.3107    |                                                 |
      4.1424    |                                                 |
      3.9741    |                                                 |
      3.8058    |                                                 |
      3.6375    |                                  E              |
      3.4693    |                                  *              |
      3.3010    |                                                 |
      3.1327    |                                                 |
      2.9644    |                                                 |
      2.7961    |                                              *  |
      2.6279    |                                              E  |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.38	1.36

LIGHT PROFILE ANALYSES - FOR11/ 7/2003

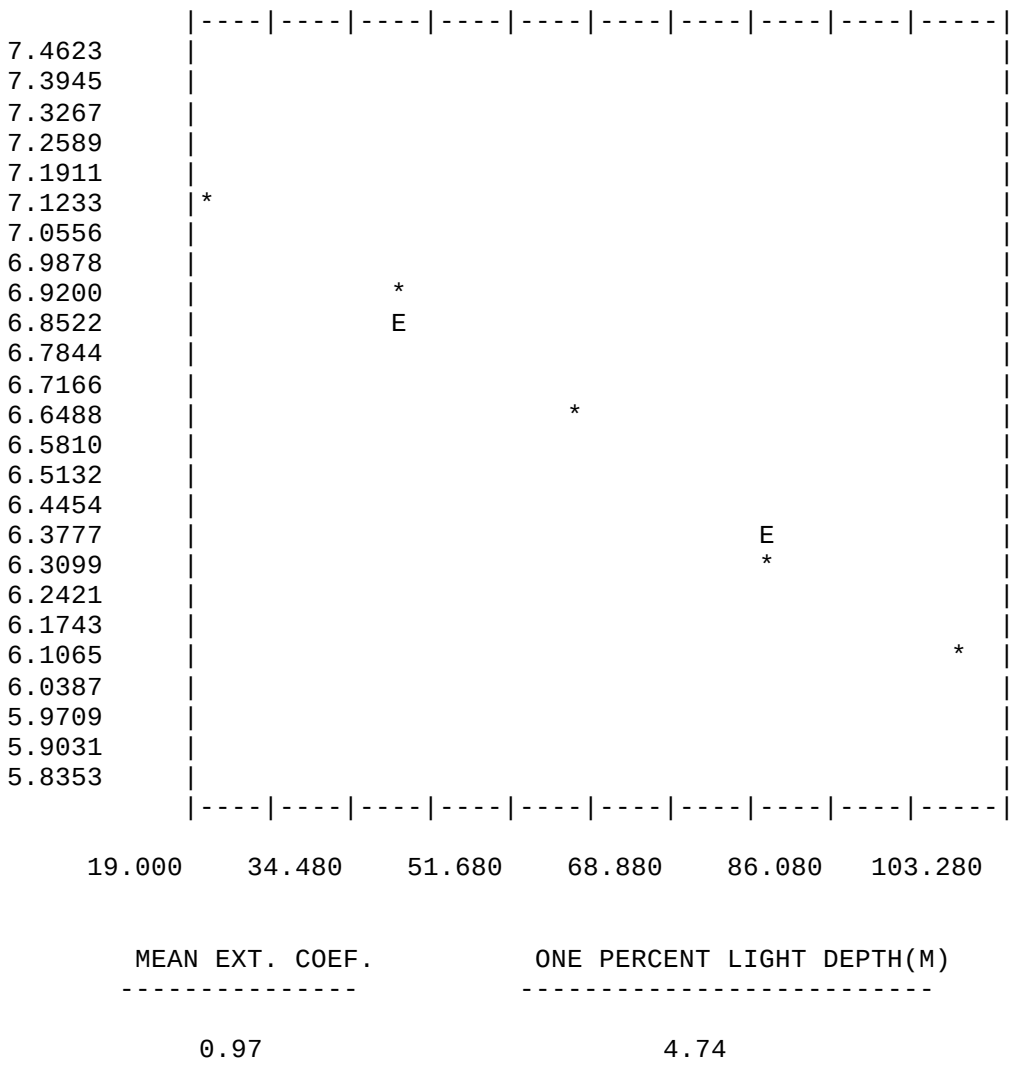
ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.36591	-0.01295	0.99223	0.98452

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1172.	7.06732	7.10695
2	40.	1007.	6.91572	6.84798
3	60.	732.	6.59715	6.58902
4	80.	527.	6.26910	6.33006
5	100.	443.	6.09582	6.07110



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
0.97	4.74

LIGHT PROFILE ANALYSES - FOR11/ 7/2003

ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.40574	-0.02692	0.98416	0.96856

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1026.	6.93440	6.86725
2	40.	495.	6.20658	6.32875
3	60.	379.	5.94017	5.79026
4	80.	155.	5.04986	5.25176
5	100.	123.	4.82028	4.71327

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.2811    |                                                 |
      7.1690    |                                                 |
      7.0568    |                                                 |
      6.9447    |*                                                |
      6.8326    |                                                 |
      6.7204    |                                                 |
      6.6083    |                                                 |
      6.4961    |                                                 |
      6.3840    |            E                                    |
      6.2719    |            *                                    |
      6.1597    |                                                 |
      6.0476    |                       *                         |
      5.9354    |                                                 |
      5.8233    |                       E                         |
      5.7111    |                                                 |
      5.5990    |                                                 |
      5.4869    |                                                 |
      5.3747    |                                                 |
      5.2626    |                                 E               |
      5.1504    |                                 *               |
      5.0383    |                                                 |
      4.9262    |                                             *   |
      4.8140    |                                             E   |
      4.7019    |                                                 |
      4.5897    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.02	2.28

LIGHT PROFILE ANALYSES - FOR11/ 7/2003

ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.23030	-0.02698	0.99504	0.99011

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	893.	6.79571	6.69063
2	40.	427.	6.05912	6.15095
3	60.	257.	5.55296	5.61128
4	80.	154.	5.04343	5.07160
5	100.	99.	4.60517	4.53192

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1355    |                                                 |
      7.0223    |                                                 |
      6.9091    |                                                 |
      6.7959    |*                                                |
      6.6827    |                                                 |
      6.5695    |                                                 |
      6.4563    |                                                 |
      6.3430    |                                                 |
      6.2298    |            E                                    |
      6.1166    |            *                                    |
      6.0034    |                                                 |
      5.8902    |                                                 |
      5.7770    |                                                 |
      5.6638    |                       *                         |
      5.5506    |                                                 |
      5.4374    |                                                 |
      5.3242    |                                                 |
      5.2110    |                                                 |
      5.0978    |                                   *             |
      4.9846    |                                                 |
      4.8714    |                                                 |
      4.7582    |                                                 |
      4.6450    |                                                *|
      4.5317    |                                                 |
      4.4185    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.02	2.28

LIGHT PROFILE ANALYSES - FOR11/ 7/2003

ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.39456	-0.02810	0.99268	0.98542

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	130.	4.87520	4.83251
2	40.	75.	4.33073	4.27045
3	60.	35.	3.58352	3.70840
4	80.	20.	3.04452	3.14635
5	100.	14.	2.70805	2.58430

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.1190    |                                                 |
      5.0124    |                                                 |
      4.9058    |*                                                |
      4.7993    |                                                 |
      4.6927    |                                                 |
      4.5862    |                                                 |
      4.4796    |                                                 |
      4.3731    |            *                                    |
      4.2665    |                                                 |
      4.1600    |                                                 |
      4.0534    |                                                 |
      3.9469    |                                                 |
      3.8403    |                                                 |
      3.7337    |                       E                         |
      3.6272    |                       *                         |
      3.5206    |                                                 |
      3.4141    |                                                 |
      3.3075    |                                                 |
      3.2010    |                                   E             |
      3.0944    |                                   *             |
      2.9879    |                                                 |
      2.8813    |                                                 |
      2.7748    |                                             *   |
      2.6682    |                                             E   |
      2.5616    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

            19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.11	2.18

LIGHT PROFILE ANALYSES - FOR11/ 7/2003

STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.12954	-0.02580	0.99263	0.98531

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	825.	6.71659	6.61348
2	40.	418.	6.03787	6.09742
3	60.	245.	5.50533	5.58137
4	80.	145.	4.98361	5.06531
5	100.	105.	4.66344	4.54925

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0524    |                                                 |
      6.9432    |                                                 |
      6.8340    |                                                 |
      6.7247    |*                                                |
      6.6155    |E                                                |
      6.5063    |                                                 |
      6.3971    |                                                 |
      6.2878    |                                                 |
      6.1786    |            E                                    |
      6.0694    |            *                                    |
      5.9602    |                                                 |
      5.8509    |                                                 |
      5.7417    |                                                 |
      5.6325    |                       E                         |
      5.5233    |                       *                         |
      5.4140    |                                                 |
      5.3048    |                                                 |
      5.1956    |                                                 |
      5.0864    |                                   *             |
      4.9771    |                                                 |
      4.8679    |                                                 |
      4.7587    |                                              *  |
      4.6495    |                                              E  |
      4.5402    |                                                 |
      4.4310    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.94	2.38

LIGHT PROFILE ANALYSES - FOR12/ 3/2003

ISOHALINE 20 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.22454	-0.02888	0.96602	0.93320

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	263.	5.57595	5.64690
2	40.	148.	5.00395	5.06927
3	60.	93.	4.54329	4.49163
4	80.	72.	4.29046	3.91400
5	100.	20.	3.04452	3.33637

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.9292    |                                                 |
      5.8078    |                                                 |
      5.6863    |*                                                |
      5.5648    |                                                 |
      5.4433    |                                                 |
      5.3219    |                                                 |
      5.2004    |                                                 |
      5.0789    |            *                                    |
      4.9574    |                                                 |
      4.8359    |                                                 |
      4.7145    |                                                 |
      4.5930    |                       *                         |
      4.4715    |                                                 |
      4.3500    |                                   *             |
      4.2286    |                                                 |
      4.1071    |                                                 |
      3.9856    |                                   E             |
      3.8641    |                                                 |
      3.7426    |                                                 |
      3.6212    |                                                 |
      3.4997    |                                                 |
      3.3782    |                                              E  |
      3.2567    |                                                 |
      3.1353    |                                              *  |
      3.0138    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

            19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.17	2.13

LIGHT PROFILE ANALYSES - FOR12/ 3/2003

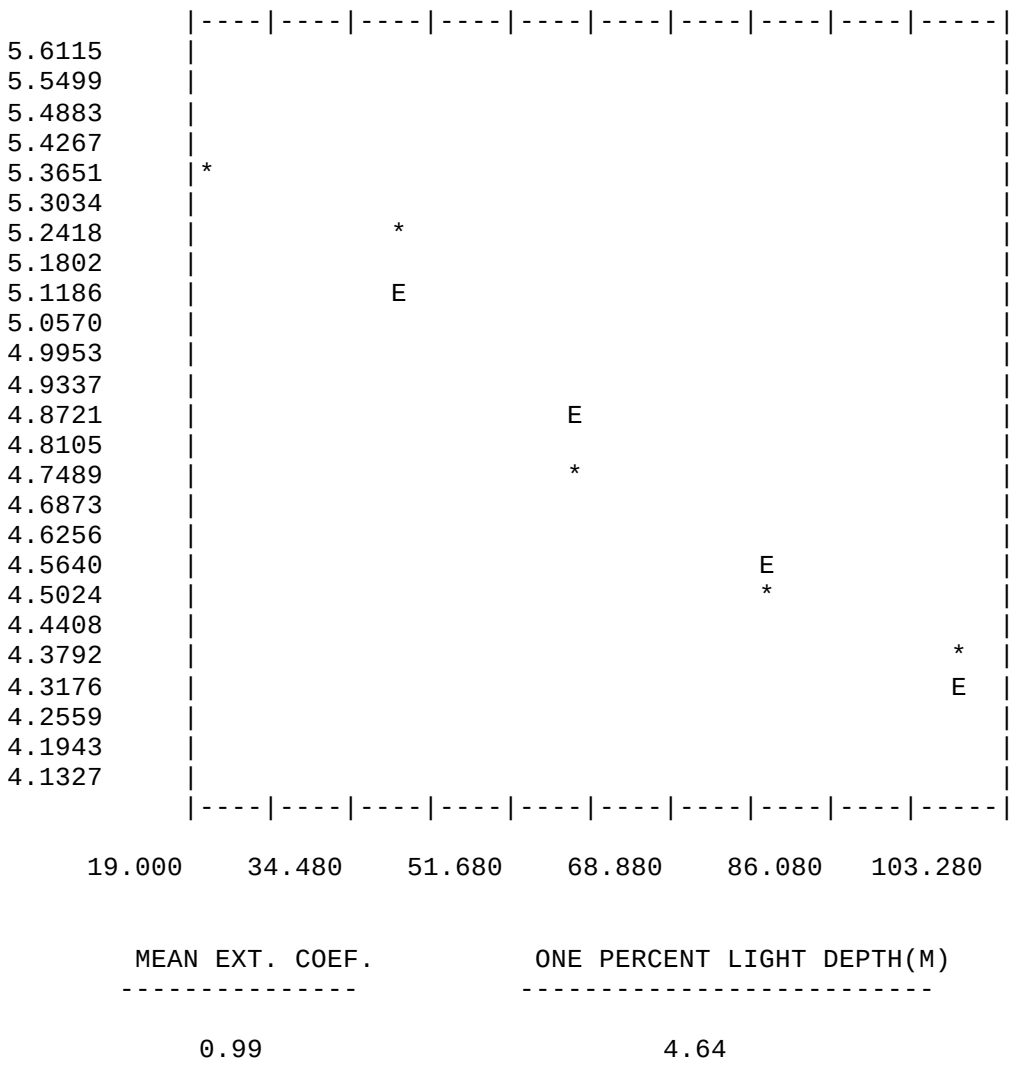
ISOHALINE 12 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.60904	-0.01324	0.98216	0.96465

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	203.	5.31812	5.34431
2	40.	178.	5.18739	5.07957
3	60.	113.	4.73620	4.81483
4	80.	88.	4.48864	4.55009
5	100.	76.	4.34381	4.28535



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
0.99	4.64

LIGHT PROFILE ANALYSES - FOR12/ 3/2003

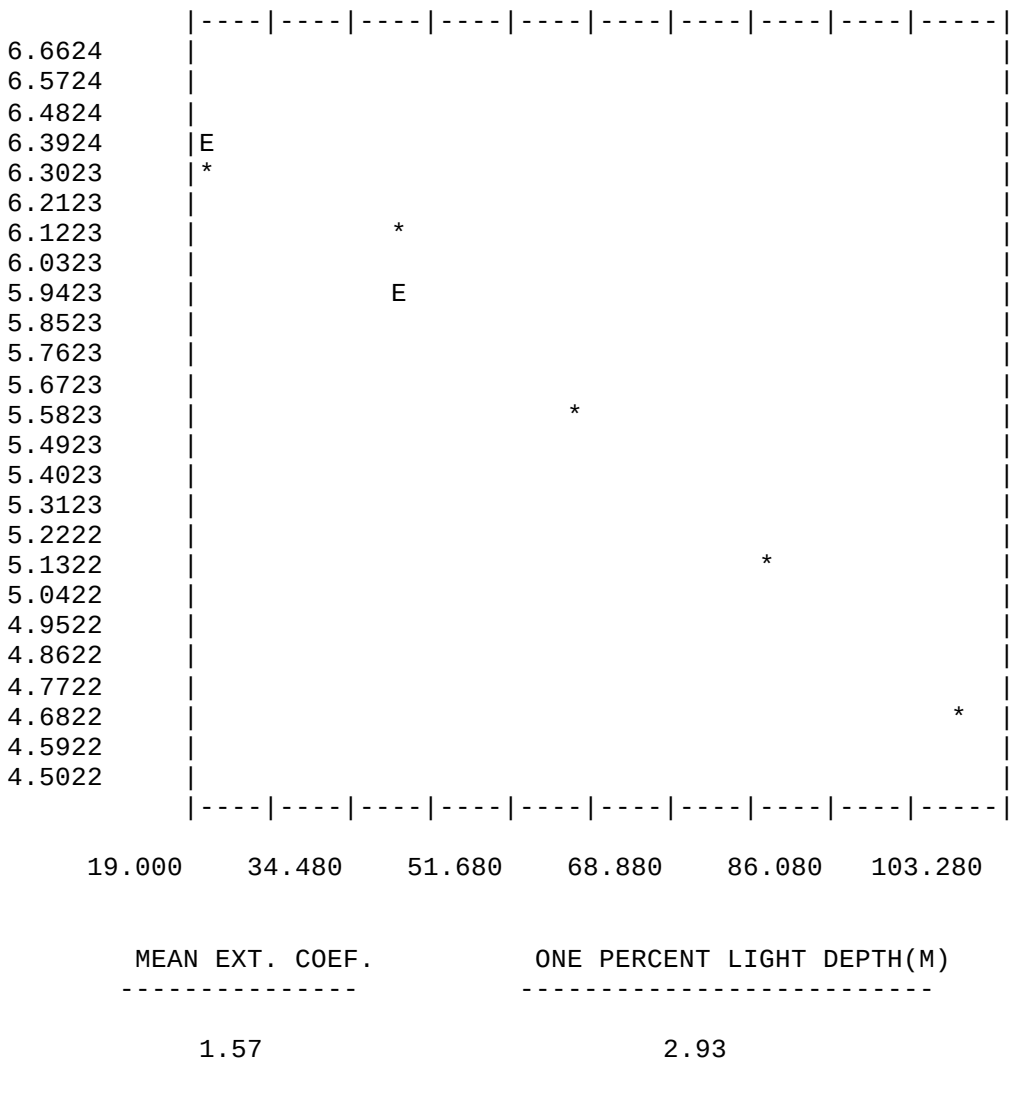
ISOHALINE 6 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.76476	-0.02098	0.98678	0.97374

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	503.	6.22258	6.34512
2	40.	446.	6.10256	5.92549
3	60.	243.	5.49717	5.50586
4	80.	157.	5.06259	5.08622
5	100.	103.	4.64439	4.66659



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.57	2.93

LIGHT PROFILE ANALYSES - FOR12/ 3/2003

ISOHALINE 0 O/OO

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.23037	-0.02257	0.99896	0.99791

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	894.	6.79682	6.77894
2	40.	553.	6.31716	6.32751
3	60.	357.	5.88053	5.87609
4	80.	215.	5.37528	5.42466
5	100.	149.	5.01064	4.97323

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1367    |                                                 |
      7.0402    |                                                 |
      6.9437    |                                                 |
      6.8472    |*                                                |
      6.7507    |                                                 |
      6.6542    |                                                 |
      6.5578    |                                                 |
      6.4613    |                                                 |
      6.3648    |            *                                    |
      6.2683    |                                                 |
      6.1718    |                                                 |
      6.0753    |                                                 |
      5.9789    |                                                 |
      5.8824    |                       *                         |
      5.7859    |                                                 |
      5.6894    |                                                 |
      5.5929    |                                                 |
      5.4964    |                                   E             |
      5.4000    |                                   *             |
      5.3035    |                                                 |
      5.2070    |                                                 |
      5.1105    |                                                 |
      5.0140    |                                              *  |
      4.9175    |                                                 |
      4.8211    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.69	2.72

LIGHT PROFILE ANALYSES - FOR12/ 3/2003

STATION LOCATION #18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.03969	-0.02224	0.99780	0.99561

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	734.	6.59987	6.59481
2	40.	489.	6.19441	6.14993
3	60.	282.	5.64545	5.70506
4	80.	185.	5.22575	5.26018
5	100.	128.	4.85981	4.81530

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9299    |                                                 |
      6.8357    |                                                 |
      6.7414    |                                                 |
      6.6472    |*                                                |
      6.5530    |                                                 |
      6.4588    |                                                 |
      6.3646    |                                                 |
      6.2704    |            *                                    |
      6.1762    |            E                                    |
      6.0819    |                                                 |
      5.9877    |                                                 |
      5.8935    |                                                 |
      5.7993    |                                                 |
      5.7051    |                       *                         |
      5.6109    |                                                 |
      5.5167    |                                                 |
      5.4225    |                                                 |
      5.3282    |                                   E             |
      5.2340    |                                   *             |
      5.1398    |                                                 |
      5.0456    |                                                 |
      4.9514    |                                             *   |
      4.8572    |                                             E   |
      4.7630    |                                                 |
      4.6688    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.67	2.76

Appendix C

Summary Of Surface Water Chemistry Data Collected In Conjunction With "Moving" Isohaline Stations

Moving Station Water Quality Data from Benchmark

Date	Sample Location	Distance (km)	Color (CPU)	Turbidity	Total Suspended Solids (mg/l)	Volatile Suspended Solids (mg/L)	Alkalinity (mg/l)	Chloride (mg/l)	Iron (mg/l)
08JAN03	0 o/oo	8.5	200	3.4	2.2	1.0	42.4	165.0	0.293
08JAN03	6 o/oo	4.6	200	2.8	3.8	2.4	56.6	2734.0	0.243
08JAN03	12 o/oo	-1.0	160	2.5	10.0	5.0	66.6	5287.0	0.248
08JAN03	20 o/oo	-2.4	120	2.0	8.4	3.3	74.4	7688.0	0.204
08JAN03	#18	30.4	200	2.9	3.3	2.2	42.8	15.1	0.280
11FEB03	0 o/oo	20.7	180	3.3	1.1	1.1	60.5	31.7	0.375
11FEB03	6 o/oo	12.0	120	3.2	5.1	4.4	73.0	1996.0	0.225
11FEB03	12 o/oo	8.5	160	3.3	7.5	4.2	75.0	4991.0	0.223
11FEB03	20 o/oo	6.6	140	3.4	10.8	4.5	87.0	8301.0	0.284
11FEB03	#18	30.4	200	3.4	1.3	1.3	65.0	26.9	0.341
11MAR03	0 o/oo	29.4	180	.	1.8	1.8	.	30.0	0.300
11MAR03	6 o/oo	11.8	150	.	15.2	6.1	.	2853.0	0.252
11MAR03	12 o/oo	9.3	140	.	25.0	16.0	.	5827.0	0.187
11MAR03	20 o/oo	7.0	120	.	12.9	5.0	.	9193.0	0.240
11MAR03	#18	30.4	180	.	1.4	1.4	.	24.8	0.293
11APR03	0 o/oo	19.0	160	.	3.1	3.1	.	44.0	0.396
11APR03	6 o/oo	11.6	160	.	9.7	5.1	.	2324.0	0.256
11APR03	12 o/oo	9.6	120	.	12.9	5.9	.	4798.0	0.254
11APR03	20 o/oo	7.1	100	.	21.1	8.1	.	8497.0	0.242
11APR03	#18	30.4	160	.	5.1	3.2	.	29.4	0.342
16MAY03	0 o/oo	33.5	160	.	1.5	1.5	.	70.0	0.214
16MAY03	6 o/oo	14.0	160	.	5.0	3.8	.	2499.0	0.139
16MAY03	12 o/oo	10.6	120	.	4.8	3.6	.	4973.0	0.125
16MAY03	20 o/oo	7.8	100	.	5.9	2.9	.	8172.0	0.117
16MAY03	#18	30.4	160	.	2.7	2.5	.	48.0	0.219
20JUN03	0 o/oo	14.5	500	.	1.8	1.8	.	80.0	0.487
20JUN03	6 o/oo	6.0	450	.	5.9	4.1	.	3139.0	0.303
20JUN03	12 o/oo	3.4	350	.	18.9	13.0	.	6123.0	0.224
20JUN03	20 o/oo	-3.2	50	.	8.1	3.9	.	9897.0	0.184
20JUN03	#18	30.4	600	.	4.4	3.2	.	23.4	0.485
18JUL03	0 o/oo	14.2	175	.	1.0	0.5	.	31.5	0.449
18JUL03	6 o/oo	7.5	200	.	5.9	4.8	.	2109.0	0.304
18JUL03	12 o/oo	4.6	175	.	11.6	7.8	.	4199.0	0.220
18JUL03	20 o/oo	-16.0	150	.	10.5	5.7	.	6748.0	0.157
18JUL03	#18	30.4	250	.	6.9	4.7	.	19.8	0.522

Moving Station Water Quality Data from Benchmark

Date	Sample Location	Distance (km)	Color (CPU)	Turbidity	Total Suspended Solids (mg/l)	Volatile Suspended Solids (mg/L)	Alkalinity (mg/l)	Chloride (mg/l)	Iron (mg/l)
13AUG03	0 o/oo	8.2	250	.	5.0	3.6	.	48.0	0.538
13AUG03	6 o/oo	5.0	150	.	4.7	4.0	.	2049.0	0.222
13AUG03	12 o/oo	0.8	150	.	5.7	4.0	.	4798.0	0.173
13AUG03	20 o/oo	-29.0	200	.	5.8	2.2	.	7548.0	0.127
13AUG03	#18	30.4	300	.	2.5	2.2	.	14.4	0.499
10SEP03	0 o/oo	10.7	250	.	2.8	2.8	.	18.0	0.502
10SEP03	6 o/oo	5.0	200	.	4.8	4.8	.	1759.0	0.294
10SEP03	12 o/oo	-1.8	150	.	5.1	5.1	.	3999.0	0.184
10SEP03	20 o/oo	-4.0	125	.	12.7	5.7	.	7548.0	0.187
10SEP03	#18	30.4	250	.	5.0	2.7	.	15.4	0.518
08OCT03	0 o/oo	13.6	240	.	1.9	1.3	.	0.3	0.517
08OCT03	6 o/oo	7.2	200	.	4.0	2.2	.	3079.0	0.314
08OCT03	12 o/oo	3.2	120	.	5.6	3.1	.	6898.0	0.247
08OCT03	20 o/oo	1.5	40	.	9.9	5.9	.	10947.0	0.163
08OCT03	#18	30.4	280	.	3.6	1.7	.	23.0	0.555
07NOV03	0 o/oo	23.5	100	.	4.0	2.3	.	42.5	0.270
07NOV03	6 o/oo	14.8	80	.	13.8	12.3	.	2679.0	0.229
07NOV03	12 o/oo	9.8	80	.	6.8	2.9	.	6548.0	0.170
07NOV03	20 o/oo	0.2	50	.	6.6	3.4	.	11246.0	0.138
07NOV03	#18	30.4	80	.	2.5	1.7	.	21.8	0.299
03DEC03	0 o/oo	25.6	70	.	2.0	1.5	.	42.8	0.171
03DEC03	6 o/oo	20.6	70	.	6.3	3.6	.	3299.0	0.105
03DEC03	12 o/oo	14.0	60	.	5.6	2.7	.	12996.0	0.112
03DEC03	20 o/oo	9.5	45	.	7.2	3.9	.	23693.0	0.151
03DEC03	#18	30.4	70	.	1.3	1.3	.	39.8	0.166

Moving Station Water Quality Data from Benchmark

Date	Sample Location	Distance (km)	Ammonia/ Ammonium (mg/l)	Nitrite/ Nitrate (mg/l)	Total Kjeldahl Nitrogen (mg/l)	Orthophosphorus (mg/l)	Total Phosphorus (mg/l)	Available N/P Atomic Ratio	Silica (mg/l)
08JAN03	0 o/oo	8.5	0.010	0.243	0.90	0.500	0.570	1.2	3.84
08JAN03	6 o/oo	4.6	0.020	0.216	0.87	0.360	0.420	1.5	3.64
08JAN03	12 o/oo	-1.0	0.010	0.185	0.87	0.260	0.330	1.7	3.44
08JAN03	20 o/oo	-2.4	0.020	0.147	0.67	0.200	0.260	1.9	3.21
08JAN03	#18	30.4	0.010	0.250	0.90	0.490	0.580	1.2	3.77
11FEB03	0 o/oo	20.7	0.010	0.817	0.89	0.700	0.760	2.7	5.12
11FEB03	6 o/oo	12.0	0.020	0.271	0.84	0.360	0.430	1.8	2.62
11FEB03	12 o/oo	8.5	0.020	0.099	0.84	0.290	0.360	0.9	1.36
11FEB03	20 o/oo	6.6	0.010	0.060	0.66	0.200	0.250	0.8	2.22
11FEB03	#18	30.4	0.010	0.849	0.98	0.730	0.810	2.7	5.21
11MAR03	0 o/oo	29.4	0.010	0.513	0.92	0.830	.	1.4	5.87
11MAR03	6 o/oo	11.8	0.010	0.338	1.03	0.610	.	1.3	4.72
11MAR03	12 o/oo	9.3	0.010	0.161	1.87	0.430	.	0.9	3.13
11MAR03	20 o/oo	7.0	0.010	0.043	0.57	0.280	.	0.4	1.82
11MAR03	#18	30.4	0.070	3.250	0.96	0.810	.	9.4	4.69
11APR03	0 o/oo	19.0	0.020	0.253	0.95	0.640	.	1.0	5.00
11APR03	6 o/oo	11.6	0.020	0.113	0.90	0.450	.	0.7	3.55
11APR03	12 o/oo	9.6	0.040	0.013	0.81	0.370	.	0.3	2.24
11APR03	20 o/oo	7.1	0.060	0.003	0.68	0.250	.	0.6	0.76
11APR03	#18	30.4	0.020	0.491	0.89	0.630	.	1.9	5.32
16MAY03	0 o/oo	33.5	0.010	0.654	0.93	0.750	.	2.0	5.44
16MAY03	6 o/oo	14.0	0.010	0.127	0.84	0.500	.	0.6	5.36
16MAY03	12 o/oo	10.6	0.010	0.048	0.74	0.420	.	0.3	4.53
16MAY03	20 o/oo	7.8	0.020	0.010	0.57	0.350	.	0.2	3.64
16MAY03	#18	30.4	0.010	0.429	0.90	0.840	.	1.2	6.14
20JUN03	0 o/oo	14.5	0.010	0.211	1.06	0.570	.	0.9	6.46
20JUN03	6 o/oo	6.0	0.010	0.165	1.04	0.550	.	0.7	5.82
20JUN03	12 o/oo	3.4	0.010	0.115	1.83	0.380	.	0.8	5.01
20JUN03	20 o/oo	-3.2	0.010	0.028	0.36	0.150	.	0.6	3.62
20JUN03	#18	30.4	0.010	0.374	1.26	0.730	.	1.2	6.53
18JUL03	0 o/oo	14.2	0.010	0.477	1.00	0.670	.	1.7	6.49
18JUL03	6 o/oo	7.5	0.020	0.201	0.89	0.400	.	1.3	5.85
18JUL03	12 o/oo	4.6	0.010	0.064	0.69	0.310	.	0.5	5.03
18JUL03	20 o/oo	-16.0	0.010	0.016	0.46	0.210	.	0.3	3.80
18JUL03	#18	30.4	0.020	0.523	0.89	0.750	.	1.7	6.46

Moving Station Water Quality Data from Benchmark

Date	Sample Location	Distance (km)	Ammonia/ Ammonium (mg/l)	Nitrite/ Nitrate (mg/l)	Total Kjeldahl Nitrogen (mg/l)	Orthophosphorus (mg/l)	Total Phosphorus (mg/l)	Available N/P Atomic Ratio	Silica (mg/l)
13AUG03	0 o/oo	8.2	0.010	0.182	1.26	0.298	.	1.5	4.58
13AUG03	6 o/oo	5.0	0.020	0.128	0.92	0.303	.	1.1	4.61
13AUG03	12 o/oo	0.8	0.010	0.089	0.51	0.229	.	1.0	4.47
13AUG03	20 o/oo	-29.0	0.010	0.048	0.40	0.152	.	0.9	3.45
13AUG03	#18	30.4	0.010	0.365	1.28	0.543	.	1.6	5.28
10SEP03	0 o/oo	10.7	0.010	0.206	0.87	0.600	.	0.8	6.18
10SEP03	6 o/oo	5.0	0.010	1.450	0.67	0.290	.	11.5	5.47
10SEP03	12 o/oo	-1.8	0.010	0.204	0.06	0.220	.	2.2	5.60
10SEP03	20 o/oo	-4.0	0.010	0.164	0.11	0.170	.	2.3	4.75
10SEP03	#18	30.4	0.010	0.196	0.83	0.560	.	0.8	6.41
08OCT03	0 o/oo	13.6	0.010	0.250	0.83	0.480	.	1.2	6.16
08OCT03	6 o/oo	7.2	0.020	0.185	0.45	0.300	.	1.6	5.47
08OCT03	12 o/oo	3.2	0.010	0.118	0.06	0.230	.	1.3	4.18
08OCT03	20 o/oo	1.5	0.010	0.015	0.29	0.110	.	0.5	2.28
08OCT03	#18	30.4	0.030	0.345	0.92	0.610	.	1.4	6.75
07NOV03	0 o/oo	23.5	0.010	0.761	1.78	1.070	.	1.6	9.71
07NOV03	6 o/oo	14.8	0.010	0.247	0.93	0.510	.	1.2	4.20
07NOV03	12 o/oo	9.8	0.010	0.054	0.69	0.290	.	0.5	1.34
07NOV03	20 o/oo	0.2	0.010	0.010	0.53	0.130	.	0.4	0.47
07NOV03	#18	30.4	0.010	0.897	0.89	1.040	.	2.0	8.45
03DEC03	0 o/oo	25.6	0.030	1.430	0.60	0.750	.	4.4	8.16
03DEC03	6 o/oo	20.6	0.010	0.362	0.51	0.640	.	1.3	5.80
03DEC03	12 o/oo	14.0	0.020	0.215	0.61	0.360	.	1.5	3.90
03DEC03	20 o/oo	9.5	0.010	0.021	0.57	0.150	.	0.5	1.75
03DEC03	#18	30.4	0.030	0.855	0.55	0.770	.	2.6	7.76

Moving Station Water Quality Data from Benchmark

Date	Sample Location	Distance (km)	Total Organic Carbon (mg/l)	Dissolved Organic Carbon (mg/l)	Inorganic Carbon (mg/l)	Chlorophyll-a (ug/l)
08JAN03	0 o/oo	8.5	19.60	19.80	9.30	0.1
08JAN03	6 o/oo	4.6	17.20	16.90	12.70	0.1
08JAN03	12 o/oo	-1.0	14.50	14.40	15.00	0.2
08JAN03	20 o/oo	-2.4	12.00	12.30	17.40	0.2
08JAN03	#18	30.4	19.50	18.70	8.98	0.1
11FEB03	0 o/oo	20.7	17.20	16.20	14.40	3.9
11FEB03	6 o/oo	12.0	15.80	15.10	17.70	32.8
11FEB03	12 o/oo	8.5	13.90	13.30	18.00	29.3
11FEB03	20 o/oo	6.6	11.40	10.90	19.40	27.3
11FEB03	#18	30.4	16.50	15.50	14.70	3.9
11MAR03	0 o/oo	29.4	.	.	.	7.2
11MAR03	6 o/oo	11.8	.	.	.	30.1
11MAR03	12 o/oo	9.3	.	.	.	198.2
11MAR03	20 o/oo	7.0	.	.	.	22.7
11MAR03	#18	30.4	.	.	.	4.6
11APR03	0 o/oo	19.0	.	.	.	9.9
11APR03	6 o/oo	11.6	.	.	.	20.4
11APR03	12 o/oo	9.6	.	.	.	32.3
11APR03	20 o/oo	7.1	.	.	.	30.5
11APR03	#18	30.4	.	.	.	7.6
16MAY03	0 o/oo	33.5	.	.	.	18.7
16MAY03	6 o/oo	14.0	.	.	.	10.5
16MAY03	12 o/oo	10.6	.	.	.	8.1
16MAY03	20 o/oo	7.8	.	.	.	4.5
16MAY03	#18	30.4	.	.	.	17.6
20JUN03	0 o/oo	14.5	.	.	.	6.7
20JUN03	6 o/oo	6.0	.	.	.	12.7
20JUN03	12 o/oo	3.4	.	.	.	135.0
20JUN03	20 o/oo	-3.2	.	.	.	12.2
20JUN03	#18	30.4	.	.	.	6.4
18JUL03	0 o/oo	14.2	.	.	.	5.6
18JUL03	6 o/oo	7.5	.	.	.	24.4
18JUL03	12 o/oo	4.6	.	.	.	40.1
18JUL03	20 o/oo	-16.0	.	.	.	24.5
18JUL03	#18	30.4	.	.	.	5.4

Moving Station Water Quality Data from Benchmark

Date	Sample Location	Distance (km)	Total Organic Carbon (mg/l)	Dissolved Organic Carbon (mg/l)	Inorganic Carbon (mg/l)	Chlorophyll-a (ug/l)
13AUG03	0 o/oo	8.2	.	.	.	6.8
13AUG03	6 o/oo	5.0	.	.	.	8.3
13AUG03	12 o/oo	0.8	.	.	.	5.4
13AUG03	20 o/oo	-29.0	.	.	.	14.4
13AUG03	#18	30.4	.	.	.	3.9
10SEP03	0 o/oo	10.7	.	.	.	7.1
10SEP03	6 o/oo	5.0	.	.	.	11.6
10SEP03	12 o/oo	-1.8	.	.	.	6.4
10SEP03	20 o/oo	-4.0	.	.	.	10.7
10SEP03	#18	30.4	.	.	.	3.9
08OCT03	0 o/oo	13.6	.	.	.	3.9
08OCT03	6 o/oo	7.2	.	.	.	5.3
08OCT03	12 o/oo	3.2	.	.	.	8.1
08OCT03	20 o/oo	1.5	.	.	.	35.5
08OCT03	#18	30.4	.	.	.	3.9
07NOV03	0 o/oo	23.5	.	.	.	8.2
07NOV03	6 o/oo	14.8	.	.	.	14.4
07NOV03	12 o/oo	9.8	.	.	.	21.7
07NOV03	20 o/oo	0.2	.	.	.	6.3
07NOV03	#18	30.4	.	.	.	6.1
03DEC03	0 o/oo	25.6	.	.	.	4.5
03DEC03	6 o/oo	20.6	.	.	.	12.5
03DEC03	12 o/oo	14.0	.	.	.	9.0
03DEC03	20 o/oo	9.5	.	.	.	10.6
03DEC03	#18	30.4	.	.	.	3.9

Appendix D

Phytoplankton Taxonomy
Summary Results Of Monthly Sampling

MONTH 1 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Scenedesmus quadricauda v. Westii	32
EUGLENOPHYTA	
Eutreptilla sp.	33
PYROPHYTA	
Cryptomonas erosa	21
Cryptomonas ovata	27
Cryptomonas sp.1	29
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	300
Coelosphaerium sp.	53
Phormidium fragile (trichome)	3

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	5.6
EUGLENO+PYROPHYTA (FLAGALLATES)	19.1
DINOFLAGALLATES	0.0
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	61.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.41	0.641	MARGALEV	1.29	
PIELOU BASE 10	0.61	0.641	SIMPSON	2.58	0.689
MACINTOSH	0.395	0.566	SHELDON		0.454
EXP. PIELOU	4.09		HEIP		0.386

MONTH 1 YEAR 3 6 O/OO ISOHALINE

CHLOROPHYTA	
Protococcus viridis	40
Scenedesmus bijuga v. alternans	12
Scenedesmus quadricauda v. Westii	42
EUGLENOPHYTA	
Eutreptilla sp.	6
PYROPHYTA	
Cryptomonas ovata	33
Cryptomonas sp.1	275
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium splendens	9
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Cyclotella undulata	2
Nitzschia pungens v. atlantica	3
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	78

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	11.6
EUGLENO+PYROPHYTA (FLAGALLATES)	38.9
DINOFLAGALLATES	1.1
BACILLARIOPHYCEAE (DIATOMS)	0.6
CYANOPHYTA (BLUE-GREEN ALGAE)	9.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.48	0.641	MARGALEV	1.45	
PIELOU BASE 10	0.64	0.641	SIMPSON	2.89	0.727
MACINTOSH	0.431	0.603	SHELDON		0.437
EXP. PIELOU	4.37		HEIP		0.375

MONTH 1 YEAR 3 12 O/OO ISOHALINE

EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas ovata	24
Cryptomonas sp.1	285
PYROPHYTA	
DINOPHYCEAE	
Peridinium cerasus	35
CHRYSOPHYTA	
Calycomonas ovalis	3
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	9
Hemialus hauckii	1
Navicula spp.	1
Nitzschia pungens v. atlantica	2
Skeletonema costatum	25
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	110

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	38.8
DINOFLAGALLATES	4.3
BACILLARIOPHYCEAE (DIATOMS)	4.7
CYANOPHYTA (BLUE-GREEN ALGAE)	13.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.33	0.555	MARGALEV	1.61	
PIELOU BASE 10	0.58	0.555	SIMPSON	2.61	0.678
MACINTOSH	0.399	0.545	SHELDON		0.344
EXP. PIELOU	3.79		HEIP		0.279

MONTH 1 YEAR 3 20 O/OO ISOHALINE

EUGLENOPHYTA	
Eutreptilla sp.	1
PYROPHYTA	
Cryptomonas sp.1	255
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	120
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	1
Chaetocerus compressa	5
Navicula spp.	3
Nitzschia pungens v. atlantica	30
Rhozosolenia setigera	2
Skeletonema costatum	23
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	60

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	33.9
DINOFLAGALLATES	15.9
BACILLARIOPHYCEAE (DIATOMS)	8.5
CYANOPHYTA (BLUE-GREEN ALGAE)	7.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.37	0.597	MARGALEV	1.45	
PIELOU BASE 10	0.60	0.597	SIMPSON	2.96	0.736
MACINTOSH	0.438	0.612	SHELDON		0.395
EXP. PIELOU	3.95		HEIP		0.328

MONTH 2 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	29
Scenedesmus bijuga	27
Scenedesmus bijuga v. alternans	13
EUGLENOPHYTA	
Eutreptilla sp.	31
Phacus pleuronectes	2
PYROPHYTA	
Cryptomonas curvata	10
Cryptomonas erosa	7
Cryptomonas ovata	12
Cryptomonas sp.1	169
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	17
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Cyclotella sp.	9
Entomoneis alata	1
Gyrosigma/Pleurosigma sp.1	1
Navicula spp.	2
Stephanodiscus	2
Surirella sp.	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	167

NUMBER OF TAXA 17 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	9.9
EUGLENO+PYROPHYTA (FLAGALLATES)	33.1
DINOFLAGALLATES	2.4
BACILLARIOPHYCEAE (DIATOMS)	2.3
CYANOPHYTA (BLUE-GREEN ALGAE)	23.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.84	0.650	MARGALEV	2.57	
PIELOU BASE 10	0.80	0.650	SIMPSON	4.18	0.808
MACINTOSH	0.535	0.674	SHELDON		0.371
EXP. PIELOU	6.30		HEIP		0.332

MONTH 2 YEAR 3 6 O/OO ISOHALINE

EUGLENOPHYTA	
Eutreptilla sp.	2
PYROPHYTA	
Cryptomonas ovata	9
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	18
Gymnodinium splendens	336
Prorocentrum micans	11
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Bacillaria paradoxa	4
Biddulphia sinensis	2
Chaetocerus compressa	1
Cyclotella sp.	1
Entomoneis alata	1
Nitzschia palea	1
Nitzschia tryblionella	1
Rhozosolenia setigera	1
Skeletonema costatum	112

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	2.2
DINOFLAGALLATES	71.7
BACILLARIOPHYCEAE (DIATOMS)	24.4
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.04	0.392	MARGALEV	2.09	
PIELOU BASE 10	0.45	0.392	SIMPSON	1.98	0.534
MACINTOSH	0.304	0.396	SHELDON		0.201
EXP. PIELOU	2.82		HEIP		0.140

MONTH 2 YEAR 3 12 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	2
EUGLENOPHYTA	
Eutreptilla sp.	1
PYROPHYTA	
Cryptomonas sp.1	61
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	4
Gonyalux palustre	3
Gonyalux scrippsae	15
Gymnodinium simplex	5
Gymnodinium splendens	10
Prorocentrum micans	6
CHRYSOPHYTA	
Calycomonas ovalis	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Asterionella gracilus	2
Biddulphia sinensis	20
Ceratulina pelagica	9
Chaetocerus compressa	15
Cyclotella undulata	3
Rhozosolenia setigera	2
Skeletonema costatum	327
Thalassionema nitzschioides Grun.	9
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	5

NUMBER OF TAXA 19 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.4
EUGLENO+PYROPHYTA (FLAGALLATES)	11.1
DINOFLAGALLATES	7.7
BACILLARIOPHYCEAE (DIATOMS)	69.0
CYANOPHYTA (BLUE-GREEN ALGAE)	0.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.43	0.487	MARGALEV	2.90	
PIELOU BASE 10	0.62	0.487	SIMPSON	2.23	0.583
MACINTOSH	0.346	0.430	SHELDON		0.221
EXP. PIELOU	4.19		HEIP		0.177

MONTH 2 YEAR 3 20 O/OO ISOHALINE

PYROPHYTA	
Cryptomonas sp.1	75
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	19
Gymnodinium splendens	9
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	49
Ceratulina pelagica	6
Coscinodiscus eccentris	4
Chaetocerus compressa	69
Rhozosolenia setigera	27
Skeletonema costatum	235
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	7

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	13.0
DINOFLAGALLATES	4.9
BACILLARIOPHYCEAE (DIATOMS)	67.8
CYANOPHYTA (BLUE-GREEN ALGAE)	1.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.65	0.715	MARGALEV	1.45	
PIELOU BASE 10	0.71	0.715	SIMPSON	3.61	0.803
MACINTOSH	0.496	0.693	SHELDON		0.519
EXP. PIELOU	5.19		HEIP		0.465

MONTH 3 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Oocystis sp.	10
Pediastrum boryanum	19
Scenedesmus bijuga v. alternans	79
Scenedesmus quadricauda v. Westii	48
Tetraedron sp.	3
Kirchneriella sp.	21
PYROPHYTA	
Cryptomonas sp.1	205
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	67
CHRYSOPHYTA	
Calycomonas ovalis	5
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Cyclotella sp.	15
Gyrosigma/Pleurosigma sp.1	1
Navicula spp.	2
Nitzschia palea	3
Nitzschia reversa	2
Skeletonema costatum	20

NUMBER OF TAXA 15 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	25.5
EUGLENO+PYROPHYTA (FLAGALLATES)	29.1
DINOFLAGALLATES	9.5
BACILLARIOPHYCEAE (DIATOMS)	6.1
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.89	0.696	MARGALEV	2.25	
PIELOU BASE 10	0.82	0.696	SIMPSON	4.41	0.829
MACINTOSH	0.549	0.706	SHELDON		0.439
EXP. PIELOU	6.59		HEIP		0.399

MONTH 3 YEAR 3 6 O/OO ISOHALINE

EUGLENOPHYTA	
Eutreptilla sp.	2
PYROPHYTA	
Cryptomonas ovata	398
Cryptomonas sp.1	51
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium splendens	47
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Gyrosigma/Pleurosigma sp.1	1
Navicula spp.	1

NUMBER OF TAXA 6 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	47.5
DINOFLAGALLATES	5.0
BACILLARIOPHYCEAE (DIATOMS)	0.2
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.68	0.382	MARGALEV	0.80	
PIELOU BASE 10	0.30	0.382	SIMPSON	1.53	0.417
MACINTOSH	0.201	0.324	SHELDON		0.330
EXP. PIELOU	1.98		HEIP		0.196

MONTH 3 YEAR 3 12 O/OO ISOHALINE

EUGLENOPHYTA	
Eutreptilla sp.	4
PYROPHYTA	
Cryptomonas ovata	39
Cryptomonas sp.1	51
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	1
Certaium hircus	18
Dinophysus caudata	2
Gymnodinium splendens	372
Peridinium cerasus	13

NUMBER OF TAXA 8 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	15.9
DINOFLAGALLATES	68.8
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.94	0.452	MARGALEV	1.13	
PIELOU BASE 10	0.41	0.452	SIMPSON	1.75	0.489
MACINTOSH	0.255	0.377	SHELDON		0.320
EXP. PIELOU	2.56		HEIP		0.223

MONTH 3 YEAR 3 20 O/OO ISOHALINE

PYROPHYTA	
Cryptomonas ovata	48
Cryptomonas sp.1	297
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	7
Prorocentrum micans	9
Protoperidinium conicum	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Nitzschia palea	1
Skeletonema costatum	136

NUMBER OF TAXA 7 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	40.8
DINOFLAGALLATES	2.1
BACILLARIOPHYCEAE (DIATOMS)	16.2
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.06	0.542	MARGALEV	0.97	
PIELOU BASE 10	0.46	0.542	SIMPSON	2.29	0.657
MACINTOSH	0.355	0.545	SHELDON		0.410
EXP. PIELOU	2.87		HEIP		0.312

MONTH 4 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Crucigenia fenestrata	5
Oocystis sp.	16
Scenedesmus quadricauda v. Westii	19
Staurastrum sp.	2
PYROPHYTA	
Cryptomonas sp.1	11
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Cyclotella sp.	2
Nitzschia palea	2
Skeletonema costatum	28
CYANOPHYTA	
Chroococcus limneticus v. subsalsu	64
Merismopedia glauca	351

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	8.2
EUGLENO+PYROPHYTA (FLAGALLATES)	2.2
DINOFLAGALLATES	0.0
BACILLARIOPHYCEAE (DIATOMS)	6.3
CYANOPHYTA (BLUE-GREEN ALGAE)	81.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.10	0.479	MARGALEV	1.45	
PIELOU BASE 10	0.48	0.479	SIMPSON	1.94	0.538
MACINTOSH	0.295	0.413	SHELDON		0.302
EXP. PIELOU	3.02		HEIP		0.224

MONTH 4 YEAR 3 6 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	8
Spermatozoopsis exultans	3
PYROPHYTA	
Cryptomonas ovata	53
Cryptomonas sp.1	43
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium splendens	3
Peridinium cerasus	8
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	2
Coscinodiscus eccentris	2
Gyrosigma/Pleurosigma sp.1	1
Navicula spp.	8
Nitzschia closterium	1
Nitzschia palea	5
Skeletonema costatum	342
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	21

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.8
EUGLENO+PYROPHYTA (FLAGALLATES)	16.1
DINOFLAGALLATES	1.8
BACILLARIOPHYCEAE (DIATOMS)	60.6
CYANOPHYTA (BLUE-GREEN ALGAE)	3.5

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.22	0.461	MARGALEV	2.09	
PIELOU BASE 10	0.53	0.461	SIMPSON	2.04	0.550
MACINTOSH	0.315	0.410	SHELDON		0.241
EXP. PIELOU	3.38		HEIP		0.183

MONTH 4 YEAR 3 12 O/OO ISOHALINE

PYROPHYTA	
Cryptomonas ovata	13
Cryptomonas sp.1	12
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	3
Certaium hircus	7
Peridinium cerasus	2
Prorocentrum micans	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	10
Ceratulina pelagica	7
Coscinodiscus eccentris	1
Navicula spp.	2
Nitzschia closterium	1
Rhozosolenia setigera	3
Skeletonema costatum	429
Thalassionema nitzschioides Grun.	8

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	4.8
DINOFLAGALLATES	2.7
BACILLARIOPHYCEAE (DIATOMS)	87.8
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.73	0.277	MARGALEV	2.09	
PIELOU BASE 10	0.32	0.277	SIMPSON	1.35	0.282
MACINTOSH	0.147	0.192	SHELDON		0.149
EXP. PIELOU	2.08		HEIP		0.083

MONTH 4 YEAR 3 20 O/OO ISOHALINE

PYROPHYTA	
Cryptomonas sp.1	21
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	15
Dinophysus caudata	7
Gymnodinium simplex	18
Gymnodinium splendens	1
Prorocentrum micans	3
Protoperidinium oblongum	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	30
Ceratulina pelagica	33
Chaetocerus compressa	2
Chaetocerus dicipens	4
Cymbella sp.	3
Nitzschia palea	3
Rhizosolenia styliformis	1
Skeletonema costatum	324
Thalassionema nitzschioides Grun.	33

NUMBER OF TAXA 16 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	4.0
DINOFLAGALLATES	8.8
BACILLARIOPHYCEAE (DIATOMS)	83.1
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.43	0.514	MARGALEV	2.41	
PIELOU BASE 10	0.62	0.514	SIMPSON	2.29	0.601
MACINTOSH	0.355	0.452	SHELDON		0.260
EXP. PIELOU	4.16		HEIP		0.211

MONTH 5 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Scenedesmus quadricauda v. Westii	39
Spermatozoopsis exultans	27
Staurastrum sp.	2
PYROPHYTA	
Cryptomonas sp.1	25
CHRYSOPHYTA	
Calycomonas ovalis	3
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Navicula spp.	1
Nitzschia palea	7
Skeletonema costatum	26
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	180
Chroococcus limneticus v. subsalsu	190

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	13.0
EUGLENO+PYROPHYTA (FLAGALLATES)	4.8
DINOFLAGALLATES	0.0
BACILLARIOPHYCEAE (DIATOMS)	6.5
CYANOPHYTA (BLUE-GREEN ALGAE)	70.5

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.52	0.660	MARGALEV	1.45	
PIELOU BASE 10	0.66	0.660	SIMPSON	3.47	0.791
MACINTOSH	0.485	0.677	SHELDON		0.457
EXP. PIELOU	4.57		HEIP		0.397

MONTH 5 YEAR 3 6 O/OO ISOHALINE

CHLOROPHYTA	
Spermatozoopsis exultans	8
EUGLENOPHYTA	
Eutreptilla sp.	302
PYROPHYTA	
Cryptomonas erosa	19
Cryptomonas ovata	18
Cryptomonas sp.1	93
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	5
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Nitzschia spp.	1
Skeletonema costatum	6
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	48

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.3
EUGLENO+PYROPHYTA (FLAGALLATES)	68.6
DINOFLAGALLATES	0.8
BACILLARIOPHYCEAE (DIATOMS)	1.1
CYANOPHYTA (BLUE-GREEN ALGAE)	7.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.26	0.575	MARGALEV	1.29	
PIELOU BASE 10	0.55	0.575	SIMPSON	2.43	0.662
MACINTOSH	0.375	0.537	SHELDON		0.393
EXP. PIELOU	3.54		HEIP		0.317

MONTH 5 YEAR 3 12 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	5
EUGLENOPHYTA	
Eutreptilla sp.	14
PYROPHYTA	
Cryptomonas ovata	7
Cryptomonas sp.1	53
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	21
Gymnodinium splendens	8
Prorocentrum micans	7
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Navicula spp.	2
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	383

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.9
EUGLENO+PYROPHYTA (FLAGALLATES)	13.2
DINOFLAGALLATES	6.4
BACILLARIOPHYCEAE (DIATOMS)	0.4
CYANOPHYTA (BLUE-GREEN ALGAE)	68.4

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.93	0.423	MARGALEV	1.29	
PIELOU BASE 10	0.40	0.423	SIMPSON	1.66	0.449
MACINTOSH	0.235	0.337	SHELDON		0.281
EXP. PIELOU	2.53		HEIP		0.192

MONTH 5 YEAR 3 20 O/OO ISOHALINE

EUGLENOPHYTA	
Eutreptilla sp.	22
PYROPHYTA	
Cryptomonas sp.1	80
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	3
Gonyalux palustre	59
Gonyalux scrippsae	25
Gymnodinium simplex	2
Peridinium cerasus	35
Prorocentrum micans	79
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	195

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	17.6
DINOFLAGALLATES	35.0
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	33.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.73	0.787	MARGALEV	1.29	
PIELOU BASE 10	0.75	0.787	SIMPSON	4.43	0.871
MACINTOSH	0.549	0.787	SHELDON		0.627
EXP. PIELOU	5.64		HEIP		0.580

MONTH 6 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Scenedesmus quadricauda v. Westii	56
Spermatozoopsis exultans	13
EUGLENOPHYTA	
Eutreptilla sp.	14
PYROPHYTA	
Cryptomonas erosa	9
Cryptomonas ovata	40
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	47
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Nitzschia palea	5
CYANOPHYTA	
Anabaena spiroides v. crassa	3
Chroococcus limneticus v. subsalsu	313

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	12.6
EUGLENO+PYROPHYTA (FLAGALLATES)	11.5
DINOFLAGALLATES	8.6
BACILLARIOPHYCEAE (DIATOMS)	0.9
CYANOPHYTA (BLUE-GREEN ALGAE)	57.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.31	0.595	MARGALEV	1.29	
PIELOU BASE 10	0.57	0.595	SIMPSON	2.37	0.651
MACINTOSH	0.367	0.526	SHELDON		0.410
EXP. PIELOU	3.69		HEIP		0.337

MONTH 6 YEAR 3 6 O/OO ISOHALINE

CHLOROPHYTA	
Spermatozoopsis exultans	99
PYROPHYTA	
Cryptomonas ovata	10
Cryptomonas sp.1	169
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	13
Gonyalux scrippsae	151
Gymnodinium simplex	15
Prorocentrum micans	5
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Cyclotella undulata	3
Entomoneis alata	1
Navicula spp.	2
Nitzschia tryblionella	1
Skeletonema costatum	11
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	20

NUMBER OF TAXA 13 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	14.6
EUGLENO+PYROPHYTA (FLAGALLATES)	26.4
DINOFLAGALLATES	27.1
BACILLARIOPHYCEAE (DIATOMS)	2.7
CYANOPHYTA (BLUE-GREEN ALGAE)	2.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.66	0.649	MARGALEV	1.93	
PIELOU BASE 10	0.72	0.649	SIMPSON	4.02	0.814
MACINTOSH	0.525	0.693	SHELDON		0.406
EXP. PIELOU	5.28		HEIP		0.357

MONTH 6 YEAR 3 12 O/OO ISOHALINE

CHLOROPHYTA	
Spermatozoopsis exultans	2
PYROPHYTA	
Cryptomonas sp.1	34
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	320
Dinophysus caudata	8
Gonyalux palustre	122
Gonyalux scrippsae	3
Peridinium cerasus	5
Prorocentrum micans	6

NUMBER OF TAXA 8 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.4
EUGLENO+PYROPHYTA (FLAGALLATES)	6.4
DINOFLAGALLATES	86.9
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.03	0.496	MARGALEV	1.13	
PIELOU BASE 10	0.45	0.496	SIMPSON	2.11	0.601
MACINTOSH	0.326	0.482	SHELDON		0.350
EXP. PIELOU	2.80		HEIP		0.258

MONTH 6 YEAR 3 20 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	1
EUGLENOPHYTA	
Eutreptilla sp.	73
PYROPHYTA	
Cryptomonas sp.1	301
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	10
Gymnodinium simplex	2
Prorocentrum micans	22
CHRYSOPHYTA	
Calycomonas ovalis	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	4
Cyclotella undulata	3
Nitzschia spp.	1
Rhizosolenia fragellissima	9
Skeletonema costatum	7
Thalassionema nitzschioides Grun.	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	65

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.1
EUGLENO+PYROPHYTA (FLAGALLATES)	46.7
DINOFLAGALLATES	4.2
BACILLARIOPHYCEAE (DIATOMS)	3.1
CYANOPHYTA (BLUE-GREEN ALGAE)	8.1

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.34	0.508	MARGALEV	2.09	
PIELOU BASE 10	0.58	0.508	SIMPSON	2.48	0.642
MACINTOSH	0.382	0.498	SHELDON		0.273
EXP. PIELOU	3.82		HEIP		0.217

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          MONTH    7     YEAR    3     0 O/OO ISOHALINE
          ----------------------------------------

     PYROPHYTA
      Cryptomonas erosa                                                  5
      Cryptomonas sp.1                                                  82
     PYROPHYTA
      DINOPHYCEAE
      Gymnodinium simplex                                              105
      Gymnodinium splendens                                             17
     CHRYSOPHYTA
      BACILLARIOPHYCEAE
      Nitzschia sigma                                                    3
      Stephanodiscus                                                    13
     CYANOPHYTA
      Chroococcus limneticus v. subsalsu                               275


NUMBER OF TAXA    7     TOTAL NUMBER OF INDIVIDUALS  500.


    PERCENT WITHIN MAJOR TAXONOMIC GROUPS

         CHLOROPHYTA (GREEN ALGAE)            0.0
         EUGLENO+PYROPHYTA (FLAGALLATES)     14.8
         DINOFLAGALLATES                     20.8
         BACILLARIOPHYCEAE (DIATOMS)          2.7
         CYANOPHYTA (BLUE-GREEN ALGAE)       46.8



                        DIVERSITY AND EVENNESS INDICES

                  DIVERSITY     EVENNESS                    DIVERSITY
EVENNESS

PIELOU BASE  E      1.24        0.637          MARGALEV      0.97

PIELOU BASE 10      0.54        0.637           SIMPSON      2.66        0.729

     MACINTOSH     0.405        0.623           SHELDON                  0.493

   EXP. PIELOU      3.45                           HEIP                  0.409
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          MONTH    7     YEAR    3     6 O/OO ISOHALINE
          ----------------------------------------

     PYROPHYTA
      Cryptomonas sp.1                                                  17
     CHRYSOPHYTA
      BACILLARIOPHYCEAE
      Coscinodiscus eccentris                                            3
      Skeletonema costatum                                             472
     CYANOPHYTA
      Chroococcus limneticus v. subsalsu                                 8


NUMBER OF TAXA    4     TOTAL NUMBER OF INDIVIDUALS  500.


    PERCENT WITHIN MAJOR TAXONOMIC GROUPS

         CHLOROPHYTA (GREEN ALGAE)            0.0
         EUGLENO+PYROPHYTA (FLAGALLATES)      3.3
         DINOFLAGALLATES                      0.0
         BACILLARIOPHYCEAE (DIATOMS)         91.9
         CYANOPHYTA (BLUE-GREEN ALGAE)        1.5


                         DIVERSITY AND EVENNESS INDICES

                  DIVERSITY     EVENNESS                    DIVERSITY
EVENNESS

PIELOU BASE  E      0.27        0.192          MARGALEV      0.48

PIELOU BASE 10      0.12        0.192           SIMPSON      1.12        0.143

     MACINTOSH     0.058        0.110           SHELDON                  0.326

   EXP. PIELOU      1.31                           HEIP                  0.102
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          MONTH    7     YEAR    3     12 O/OO ISOHALINE
          ----------------------------------------

     CHRYSOPHYTA
      BACILLARIOPHYCEAE
      Coscinodiscus eccentris                                          2
      Skeletonema costatum                                           490
     CYANOPHYTA
      Synechocystis aquaticus Sauvageau                                8


NUMBER OF TAXA    3     TOTAL NUMBER OF INDIVIDUALS  500.


    PERCENT WITHIN MAJOR TAXONOMIC GROUPS

         CHLOROPHYTA (GREEN ALGAE)            0.0
         EUGLENO+PYROPHYTA (FLAGALLATES)      0.0
         DINOFLAGALLATES                      0.0
         BACILLARIOPHYCEAE (DIATOMS)         98.4
         CYANOPHYTA (BLUE-GREEN ALGAE)        1.6



                        DIVERSITY AND EVENNESS INDICES


                 DIVERSITY     EVENNESS                   DIVERSITY
EVENNESS

PIELOU BASE  E      0.11        0.098          MARGALEV      0.32

PIELOU BASE 10      0.05        0.098           SIMPSON      1.04        0.059

     MACINTOSH     0.021        0.047           SHELDON                  0.371

   EXP. PIELOU      1.11                           HEIP                  0.057
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MONTH 7 YEAR 3 20 O/OO ISOHALINE

EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas ovata	17
Cryptomonas sp.1	240
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium splendens	6
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Skeletonema costatum	232

NUMBER OF TAXA 5 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	34.6
DINOFLAGALLATES	0.8
BACILLARIOPHYCEAE (DIATOMS)	30.6
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.92	0.573	MARGALEV	0.64	
PIELOU BASE 10	0.40	0.573	SIMPSON	2.24	0.691
MACINTOSH	0.347	0.599	SHELDON		0.503
EXP. PIELOU	2.52		HEIP		0.379

MONTH 8 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Oocystis sp.	98
Scenedesmus quadricauda v. Westii	48
PYROPHYTA	
Cryptomonas erosa	6
Cryptomonas ovata	7
Cryptomonas sp.1	95
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	56
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Cyclotella sp.	3
Skeletonema costatum	36
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	151

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	24.0
EUGLENO+PYROPHYTA (FLAGALLATES)	17.8
DINOFLAGALLATES	9.2
BACILLARIOPHYCEAE (DIATOMS)	6.4
CYANOPHYTA (BLUE-GREEN ALGAE)	24.8

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.80	0.819	MARGALEV	1.29	
PIELOU BASE 10	0.78	0.819	SIMPSON	5.18	0.908
MACINTOSH	0.587	0.841	SHELDON		0.672
EXP. PIELOU	6.05		HEIP		0.631

MONTH 8 YEAR 3 6 O/OO ISOHALINE

CHLOROPHYTA	
Spermatozoopsis exultans	16
PYROPHYTA	
Cryptomonas sp.1	7
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	6
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Skeletonema costatum	350
CYANOPHYTA	
Chroococcus limneticus v. subsalsu	68
Merismopedia glauca	53

NUMBER OF TAXA 6 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	3.2
EUGLENO+PYROPHYTA (FLAGALLATES)	1.4
DINOFLAGALLATES	1.2
BACILLARIOPHYCEAE (DIATOMS)	69.0
CYANOPHYTA (BLUE-GREEN ALGAE)	23.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.98	0.548	MARGALEV	0.80	
PIELOU BASE 10	0.43	0.548	SIMPSON	1.92	0.575
MACINTOSH	0.291	0.470	SHELDON		0.445
EXP. PIELOU	2.67		HEIP		0.334

MONTH 8 YEAR 3 12 O/OO ISOHALINE

CHLOROPHYTA	
Spermatozoopsis exultans	6
PYROPHYTA	
Cryptomonas sp.1	16
unidentified flagellate #1	114
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium simplex	8
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Navicula spp.	5
Skeletonema costatum	63
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	286
Oscillatoria rubescens (trichome)	2

NUMBER OF TAXA 8 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.0
EUGLENO+PYROPHYTA (FLAGALLATES)	20.6
DINOFLAGALLATES	1.3
BACILLARIOPHYCEAE (DIATOMS)	10.8
CYANOPHYTA (BLUE-GREEN ALGAE)	45.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.22	0.584	MARGALEV	1.13	
PIELOU BASE 10	0.53	0.584	SIMPSON	2.52	0.690
MACINTOSH	0.388	0.573	SHELDON		0.421
EXP. PIELOU	3.37		HEIP		0.339

MONTH 8 YEAR 3 20 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	20
EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas sp.1	80
unidentified flagellate #1	10
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	25
CHRYSOPHYTA	
Calycomonas ovalis	5
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	5
Skeletonema costatum	20
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	200
Chroococcus limneticus v. subsalsu	130

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	3.4
EUGLENO+PYROPHYTA (FLAGALLATES)	16.1
DINOFLAGALLATES	4.2
BACILLARIOPHYCEAE (DIATOMS)	4.2
CYANOPHYTA (BLUE-GREEN ALGAE)	55.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.63	0.709	MARGALEV	1.45	
PIELOU BASE 10	0.71	0.709	SIMPSON	3.85	0.823
MACINTOSH	0.513	0.717	SHELDON		0.512
EXP. PIELOU	5.12		HEIP		0.458

MONTH 9 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	3
Scenedesmus quadricauda v. Westii	21
EUGLENOPHYTA	
Eutreptilla sp.	102
PYROPHYTA	
Cryptomonas erosa	39
Cryptomonas sp.1	13
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	241
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Navicula spp.	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	111

NUMBER OF TAXA 8 TOTAL NUMBER OF INDIVIDUALS 531.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	4.1
EUGLENO+PYROPHYTA (FLAGALLATES)	26.4
DINOFLAGALLATES	41.3
BACILLARIOPHYCEAE (DIATOMS)	0.2
CYANOPHYTA (BLUE-GREEN ALGAE)	19.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.45	0.699	MARGALEV	1.12	
PIELOU BASE 10	0.63	0.699	SIMPSON	3.40	0.807
MACINTOSH	0.478	0.708	SHELDON		0.535
EXP. PIELOU	4.28		HEIP		0.469

MONTH 9 YEAR 3 6 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	9
Spermatozoopsis exultans	3
EUGLENOPHYTA	
Eutreptilla sp.	47
PYROPHYTA	
Cryptomonas erosa	39
Cryptomonas ovata	7
Cryptomonas sp.1	176
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	33
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Skeletonema costatum	31
Surirella sp.	1
CYANOPHYTA	
Chroococcus limneticus v. subsalsu	123

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 469.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.7
EUGLENO+PYROPHYTA (FLAGALLATES)	38.9
DINOFLAGALLATES	4.8
BACILLARIOPHYCEAE (DIATOMS)	4.6
CYANOPHYTA (BLUE-GREEN ALGAE)	17.8

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.71	0.741	MARGALEV	1.46	
PIELOU BASE 10	0.74	0.741	SIMPSON	4.23	0.848
MACINTOSH	0.539	0.751	SHELDON		0.551
EXP. PIELOU	5.51		HEIP		0.501

MONTH 9 YEAR 3 12 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	3
PYROPHYTA	
Cryptomonas sp.1	20
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	4
Gonyalux palustre	6
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Nitzschia tryblionella	1
Skeletonema costatum	416
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	50

NUMBER OF TAXA 7 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.6
EUGLENO+PYROPHYTA (FLAGALLATES)	3.8
DINOFLAGALLATES	1.9
BACILLARIOPHYCEAE (DIATOMS)	80.2
CYANOPHYTA (BLUE-GREEN ALGAE)	9.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.65	0.332	MARGALEV	0.97	
PIELOU BASE 10	0.28	0.332	SIMPSON	1.42	0.345
MACINTOSH	0.168	0.259	SHELDON		0.273
EXP. PIELOU	1.91		HEIP		0.152

MONTH 9 YEAR 3 20 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	2
PYROPHYTA	
Cryptomonas ovata	3
Cryptomonas sp.1	13
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	3
Gonyalux palustre	16
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Cyclotella sp.	1
Skeletonema costatum	396
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	66

NUMBER OF TAXA 8 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.4
EUGLENO+PYROPHYTA (FLAGALLATES)	3.1
DINOFLAGALLATES	3.7
BACILLARIOPHYCEAE (DIATOMS)	76.9
CYANOPHYTA (BLUE-GREEN ALGAE)	12.8

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.75	0.362	MARGALEV	1.13	
PIELOU BASE 10	0.33	0.362	SIMPSON	1.55	0.404
MACINTOSH	0.205	0.303	SHELDON		0.265
EXP. PIELOU	2.12		HEIP		0.160

MONTH 10 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	13
EUGLENOPHYTA	
Eutreptilla sp.	11
PYROPHYTA	
Cryptomonas erosa	12
Cryptomonas ovata	31
Cryptomonas sp.1	32
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Cyclotella sp.	7
Nitzschia reversa	1
Nitzschia tryblionella	1
Skeletonema costatum	24
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	254
Merismopedia sp.	114

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.3
EUGLENO+PYROPHYTA (FLAGALLATES)	15.0
DINOFLAGALLATES	0.0
BACILLARIOPHYCEAE (DIATOMS)	5.7
CYANOPHYTA (BLUE-GREEN ALGAE)	64.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.53	0.637	MARGALEV	1.61	
PIELOU BASE 10	0.66	0.637	SIMPSON	3.10	0.746
MACINTOSH	0.453	0.619	SHELDON		0.419
EXP. PIELOU	4.61		HEIP		0.361

MONTH 10 YEAR 3 6 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	11
EUGLENOPHYTA	
Eutreptilla sp.	13
PYROPHYTA	
Cryptomonas erosa	2
Cryptomonas ovata	24
Cryptomonas sp.1	276
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	5
Ceratulina pelagica	4
Rhizosolenia fragellissima	1
Skeletonema costatum	105
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	58
Oscillatoria rubescens (trichome)	1

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.4
EUGLENO+PYROPHYTA (FLAGALLATES)	39.3
DINOFLAGALLATES	0.0
BACILLARIOPHYCEAE (DIATOMS)	14.3
CYANOPHYTA (BLUE-GREEN ALGAE)	7.4

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.36	0.568	MARGALEV	1.61	
PIELOU BASE 10	0.59	0.568	SIMPSON	2.73	0.697
MACINTOSH	0.414	0.566	SHELDON		0.355
EXP. PIELOU	3.90		HEIP		0.290

MONTH 10 YEAR 3 12 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	6
EUGLENOPHYTA	
Eutreptilla sp.	9
PYROPHYTA	
Cryptomonas ovata	6
Cryptomonas sp.1	275
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium simplex	4
Peridinium cerasus	15
CHRYSOPHYTA	
Calycomonas ovalis	3
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	2
Ceratulina pelagica	1
Rhizosolenia fragellissima	14
Skeletonema costatum	100
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	65

NUMBER OF TAXA 12 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.8
EUGLENO+PYROPHYTA (FLAGALLATES)	37.1
DINOFLAGALLATES	2.4
BACILLARIOPHYCEAE (DIATOMS)	15.0
CYANOPHYTA (BLUE-GREEN ALGAE)	8.3

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.40	0.565	MARGALEV	1.77	
PIELOU BASE 10	0.61	0.565	SIMPSON	2.76	0.696
MACINTOSH	0.417	0.560	SHELDON		0.339
EXP. PIELOU	4.07		HEIP		0.279

MONTH 10 YEAR 3 20 O/OO ISOHALINE

EUGLENOPHYTA	
Eutreptilla sp.	4
PYROPHYTA	
Cryptomonas sp.1	39
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	345
Gymnodinium splendens	23
Peridinium cerasus	5
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	41
CYANOPHYTA	
Chroococcus limneticus v. subsalsu	43

NUMBER OF TAXA 7 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	8.0
DINOFLAGALLATES	69.2
BACILLARIOPHYCEAE (DIATOMS)	7.6
CYANOPHYTA (BLUE-GREEN ALGAE)	8.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.10	0.564	MARGALEV	0.97	
PIELOU BASE 10	0.48	0.564	SIMPSON	2.01	0.585
MACINTOSH	0.308	0.472	SHELDON		0.428
EXP. PIELOU	3.00		HEIP		0.333

MONTH 11 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	10
Oocystis sp.	78
Scenedesmus quadricauda v. Westii	93
Spermatozoopsis exultans	43
EUGLENOPHYTA	
Eutreptilla sp.	11
PYROPHYTA	
Cryptomonas erosa	9
Cryptomonas ovata	7
Cryptomonas sp.1	40
CHRYSOPHYTA	
Centritractus aff. belonophorus	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Entomoneis alata	2
Navicula spp.	1
Nitzschia palea	21
Nitzschia reversa	6
Skeletonema costatum	22
Thalassionema nitzschioides Grun.	109
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	47

NUMBER OF TAXA 16 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	40.3
EUGLENO+PYROPHYTA (FLAGALLATES)	12.1
DINOFLAGALLATES	0.0
BACILLARIOPHYCEAE (DIATOMS)	29.0
CYANOPHYTA (BLUE-GREEN ALGAE)	8.5

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	2.23	0.806	MARGALEV	2.41	
PIELOU BASE 10	0.97	0.806	SIMPSON	7.44	0.923
MACINTOSH	0.663	0.845	SHELDON		0.584
EXP. PIELOU	9.35		HEIP		0.556

MONTH 11 YEAR 3 6 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	8
Oocystis sp.	8
EUGLENOPHYTA	
Eutreptilla sp.	79
PYROPHYTA	
Cryptomonas erosa	7
Cryptomonas ovata	45
Cryptomonas sp.1	185
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	87
Coscinodiscus eccentris	2
Nitzschia palea	5
Nitzschia reversa	1
Diploneis	1
Synechocystis aquaticus Sauvageau	71

NUMBER OF TAXA 13 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.2
EUGLENO+PYROPHYTA (FLAGALLATES)	42.9
DINOFLAGALLATES	0.0
BACILLARIOPHYCEAE (DIATOMS)	13.0
CYANOPHYTA (BLUE-GREEN ALGAE)	9.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.76	0.684	MARGALEV	1.93	
PIELOU BASE 10	0.76	0.684	SIMPSON	4.52	0.844
MACINTOSH	0.554	0.733	SHELDON		0.445
EXP. PIELOU	5.78		HEIP		0.399

MONTH 11 YEAR 3 12 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	25
EUGLENOPHYTA	
Eutreptilla sp.	46
PYROPHYTA	
Cryptomonas erosa	5
Cryptomonas sp.1	221
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	5
CHRYSOPHYTA	
Calycomonas ovalis	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	42
Coscinodiscus eccentris	1
Gyrosigma/Pleurosigma sp.1	1
Nitzschia tryblionella	5
Skeletonema costatum	82
Thalassionema nitzschioides Grun.	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	65

NUMBER OF TAXA 13 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	3.4
EUGLENO+PYROPHYTA (FLAGALLATES)	37.5
DINOFLAGALLATES	0.7
BACILLARIOPHYCEAE (DIATOMS)	18.2
CYANOPHYTA (BLUE-GREEN ALGAE)	9.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.69	0.658	MARGALEV	1.93	
PIELOU BASE 10	0.73	0.658	SIMPSON	3.88	0.804
MACINTOSH	0.516	0.682	SHELDON		0.416
EXP. PIELOU	5.41		HEIP		0.367

MONTH 11 YEAR 3 20 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	21
PYROPHYTA	
Cryptomonas erosa	1
Cryptomonas sp.1	403
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	3
Prorocentrum micans	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	2
Nitzschia tryblionella	3
Nitzschia spp.	2
Skeletonema costatum	64

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.3
EUGLENO+PYROPHYTA (FLAGALLATES)	44.7
DINOFLAGALLATES	0.4
BACILLARIOPHYCEAE (DIATOMS)	7.9
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.70	0.319	MARGALEV	1.29	
PIELOU BASE 10	0.30	0.319	SIMPSON	1.50	0.374
MACINTOSH	0.191	0.274	SHELDON		0.224
EXP. PIELOU	2.01		HEIP		0.127

MONTH 12 YEAR 3 0 O/OO ISOHALINE

CHLOROPHYTA	
Chlymentomonas sp.	16
Oocystis sp.	1
EUGLENOPHYTA	
Eutreptilla sp.	17
PYROPHYTA	
Cryptomonas ovata	26
Cryptomonas sp.1	221
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium simplex	4
CHRYSOPHYTA	
Calycomonas ovalis	19
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Navicula spp.	1
Nitzschia palea	1
Nitzschia spp.	1
Skeletonema costatum	57
Stephanodiscus	3
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	133

NUMBER OF TAXA 13 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.3
EUGLENO+PYROPHYTA (FLAGALLATES)	35.3
DINOFLAGALLATES	0.5
BACILLARIOPHYCEAE (DIATOMS)	8.4
CYANOPHYTA (BLUE-GREEN ALGAE)	17.8

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.58	0.617	MARGALEV	1.93	
PIELOU BASE 10	0.69	0.617	SIMPSON	3.50	0.774
MACINTOSH	0.487	0.644	SHELDON		0.375
EXP. PIELOU	4.87		HEIP		0.322

MONTH 12 YEAR 3 6 O/OO ISOHALINE

CHLOROPHYTA	
Spermatozoopsis exultans	16
EUGLENOPHYTA	
Eutreptilla sp.	66
PYROPHYTA	
Cryptomonas ovata	65
Cryptomonas sp.1	281
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium simplex	4
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Nitzschia palea	3
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	65

NUMBER OF TAXA 7 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.9
EUGLENO+PYROPHYTA (FLAGALLATES)	48.7
DINOFLAGALLATES	0.5
BACILLARIOPHYCEAE (DIATOMS)	0.4
CYANOPHYTA (BLUE-GREEN ALGAE)	7.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.30	0.669	MARGALEV	0.97	
PIELOU BASE 10	0.57	0.669	SIMPSON	2.72	0.737
MACINTOSH	0.412	0.632	SHELDON		0.525
EXP. PIELOU	3.67		HEIP		0.446

MONTH 12 YEAR 3 12 O/OO ISOHALINE

CHLOROPHYTA	
Spermatozoopsis exultans	35
EUGLENOPHYTA	
Eutreptilla sp.	30
Phacus pleuronectes	1
PYROPHYTA	
Cryptomonas erosa	25
Cryptomonas ovata	65
Cryptomonas sp.1	178
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	30
Prorocentrum micans	69
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Nitzschia reversa	3
Skeletonema costatum	34
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	30

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	4.6
EUGLENO+PYROPHYTA (FLAGALLATES)	38.9
DINOFLAGALLATES	12.9
BACILLARIOPHYCEAE (DIATOMS)	4.8
CYANOPHYTA (BLUE-GREEN ALGAE)	3.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.97	0.823	MARGALEV	1.61	
PIELOU BASE 10	0.86	0.823	SIMPSON	5.39	0.896
MACINTOSH	0.596	0.815	SHELDON		0.655
EXP. PIELOU	7.20		HEIP		0.620

MONTH 12 YEAR 3 20 O/OO ISOHALINE

EUGLENOPHYTA	
Eutreptilla sp.	17
PYROPHYTA	
Cryptomonas ovata	13
Cryptomonas sp.1	263
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	3
Dinophysus caudata	13
Gymnodinium simplex	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	1
Gyrosigma/Pleurosigma sp.1	1
Rhizosolenia fragellissima	8
Skeletonema costatum	179

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	37.8
DINOFLAGALLATES	2.3
BACILLARIOPHYCEAE (DIATOMS)	24.4
CYANOPHYTA (BLUE-GREEN ALGAE)	0.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.15	0.501	MARGALEV	1.45	
PIELOU BASE 10	0.50	0.501	SIMPSON	2.45	0.658
MACINTOSH	0.378	0.529	SHELDON		0.317
EXP. PIELOU	3.17		HEIP		0.241

Appendix E

Summary Of *In Situ* Physical Water Column Data Collected At "Fixed" Sampling Locations

---------- Month=January STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	9	-2.4	0.2	12.9	8.61	6.40	35386	22.3
2003	January	28	9	-2.4	0.5	12.9	8.47	6.60	35378	22.3
2003	January	28	9	-2.4	1.0	12.7	8.41	6.66	36051	22.7
2003	January	28	9	-2.4	1.5	12.7	8.32	6.70	36819	23.2
2003	January	28	9	-2.4	2.0	12.5	8.11	6.71	39051	24.9
2003	January	28	9	-2.4	2.5	12.5	8.05	6.75	39995	25.6
2003	January	28	9	-2.4	3.0	12.8	7.44	6.75	42986	28.0
2003	January	28	9	-2.4	3.5	13.3	6.60	6.95	48444	31.7

---------- Month=January STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	10	6.6	0.2	13.5	9.23	7.07	21358	12.8
2003	January	28	10	6.6	0.5	13.6	9.27	7.09	22000	13.1
2003	January	28	10	6.6	1.0	13.4	8.07	7.00	31110	17.8
2003	January	28	10	6.6	1.5	13.3	6.97	6.94	42324	27.1
2003	January	28	10	6.6	2.0	13.3	6.77	6.98	43352	28.0

---------- Month=January STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	11	10.5	0.2	14.5	9.56	7.60	9181	5.2
2003	January	28	11	10.5	0.5	14.4	9.24	7.55	12809	7.4
2003	January	28	11	10.5	1.0	14.2	8.66	7.57	15325	9.3
2003	January	28	11	10.5	1.5	14.0	8.70	7.55	20285	12.2
2003	January	28	11	10.5	2.0	13.8	8.44	7.55	23861	14.7

---------- Month=January STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	12	15.5	0.2	14.1	9.15	6.93	1314	0.7
2003	January	28	12	15.5	0.5	14.1	9.18	6.95	1340	0.7
2003	January	28	12	15.5	1.0	13.9	8.99	6.95	1692	0.9
2003	January	28	12	15.5	1.5	13.9	8.82	6.92	1795	1.0
2003	January	28	12	15.5	2.0	13.7	8.74	6.92	1820	1.0
2003	January	28	12	15.5	2.5	13.7	8.73	6.93	1824	1.0

---------- Month=January STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	13	20.1	0.2	13.9	8.08	6.70	459	0.2
2003	January	28	13	20.1	0.5	13.7	8.41	6.72	459	0.2
2003	January	28	13	20.1	1.0	13.5	8.29	6.75	461	0.2
2003	January	28	13	20.1	1.5	13.4	8.29	6.77	462	0.2
2003	January	28	13	20.1	2.0	13.4	8.11	6.79	463	0.2
2003	January	28	13	20.1	2.5	13.4	8.32	6.80	462	0.2
2003	January	28	13	20.1	3.0	13.4	8.37	6.80	463	0.2
2003	January	28	13	20.1	3.5	13.4	8.37	6.80	464	0.2
2003	January	28	13	20.1	4.0	13.4	8.40	6.80	463	0.2
2003	January	28	13	20.1	4.5	13.4	8.24	6.79	464	0.2

---------- Month=January STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	14	23.6	0.2	13.8	8.72	6.29	442	0.2
2003	January	28	14	23.6	0.5	13.3	8.63	6.35	442	0.2
2003	January	28	14	23.6	1.0	13.2	8.65	6.39	443	0.2

2003	January	28	14	23.6	1.5	12.9	8.58	6.41	444	0.2
2003	January	28	14	23.6	2.0	12.8	8.57	6.43	444	0.2
2003	January	28	14	23.6	2.5	12.7	8.55	6.42	441	0.2
2003	January	28	14	23.6	3.0	12.6	8.49	6.45	442	0.2
2003	January	28	14	23.6	3.5	12.6	8.48	6.46	441	0.2

---------- Month=January STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	15	25.9	0.2	13.9	8.70	6.68	437	0.2
2003	January	28	15	25.9	0.5	13.8	8.69	6.72	437	0.2
2003	January	28	15	25.9	1.0	13.3	8.44	6.74	436	0.2

---------- Month=January STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	17	29.5	0.2	13.5	8.89	6.73	437	0.2
2003	January	28	17	29.5	0.5	13.5	8.63	6.77	437	0.2
2003	January	28	17	29.5	1.0	13.5	8.69	6.79	437	0.2
2003	January	28	17	29.5	1.5	13.5	8.67	6.78	437	0.2
2003	January	28	17	29.5	2.0	13.4	8.66	6.78	436	0.2
2003	January	28	17	29.5	2.5	13.5	8.59	6.77	437	0.2
2003	January	28	17	29.5	3.0	13.4	8.58	6.77	436	0.2
2003	January	28	17	29.5	3.5	13.4	8.54	6.76	437	0.2

---------- Month=January STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	18	30.4	0.2	13.4	8.68	6.79	436	0.2
2003	January	28	18	30.4	0.5	13.3	8.63	6.81	436	0.2
2003	January	28	18	30.4	1.0	13.4	8.68	6.83	436	0.2
2003	January	28	18	30.4	1.5	13.3	8.73	6.85	436	0.2
2003	January	28	18	30.4	2.0	13.4	8.65	6.85	436	0.2
2003	January	28	18	30.4	2.5	13.4	8.68	6.86	436	0.2
2003	January	28	18	30.4	3.0	13.4	8.61	6.85	436	0.2

---------- Month=January STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	19	32.3	0.2	13.6	8.90	6.56	432	0.2
2003	January	28	19	32.3	0.5	13.5	8.86	6.62	433	0.2
2003	January	28	19	32.3	1.0	13.5	8.77	6.66	433	0.2

---------- Month=January STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	21	8.4	0.2	14.1	8.89	7.47	22159	13.3
2003	January	28	21	8.4	0.5	14.0	8.86	7.52	22602	13.6
2003	January	28	21	8.4	1.0	13.2	7.77	7.42	34937	22.0
2003	January	28	21	8.4	1.5	13.2	7.77	7.45	35010	22.0

---------- Month=January STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	22	12.8	0.2	13.8	9.24	6.83	2734	1.4
2003	January	28	22	12.8	0.5	13.8	9.20	6.85	2816	1.5
2003	January	28	22	12.8	1.0	13.8	9.14	6.87	2790	1.5
2003	January	28	22	12.8	1.5	13.6	9.08	6.85	3829	2.1
2003	January	28	22	12.8	2.0	13.5	9.04	6.86	4224	2.3
2003	January	28	22	12.8	2.5	13.5	8.99	6.87	4317	2.4

---------- Month=January STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	23	17.5	0.2	13.7	8.89	6.68	697	0.4
2003	January	28	23	17.5	0.5	13.8	8.81	6.67	701	0.4
2003	January	28	23	17.5	1.0	13.7	8.80	6.69	699	0.4
2003	January	28	23	17.5	1.5	13.7	8.68	6.70	694	0.4

---------- Month=January STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	24	21.9	0.2	13.9	8.64	6.48	453	0.2
2003	January	28	24	21.9	0.5	13.9	8.69	6.54	453	0.2
2003	January	28	24	21.9	1.0	13.9	8.73	6.60	451	0.2
2003	January	28	24	21.9	1.5	13.8	8.53	6.64	451	0.2

---------- Month=January STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	25	24.7	0.2	14.1	9.01	6.40	439	0.2
2003	January	28	25	24.7	0.5	14.0	8.88	6.43	439	0.2
2003	January	28	25	24.7	1.0	13.4	8.78	6.49	437	0.2
2003	January	28	25	24.7	1.5	13.1	8.60	6.57	437	0.2
2003	January	28	25	24.7	2.0	12.9	8.53	6.61	436	0.2

---------- Month=January STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	January	28	92	12.7	0.2	13.5	9.33	6.94	4044	2.2
2003	January	28	92	12.7	0.5	13.6	9.32	6.99	4122	2.2
2003	January	28	92	12.7	1.0	13.5	9.23	7.02	4064	2.2
2003	January	28	92	12.7	1.5	13.5	9.20	7.06	4080	2.2
2003	January	28	92	12.7	2.0	13.5	9.22	7.08	4121	2.2
2003	January	28	92	12.7	2.5	13.5	9.17	7.10	4128	2.3
2003	January	28	92	12.7	3.0	13.5	9.16	7.12	4145	2.3

---------- Month=February STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	9	-2.4	0.2	21.5	7.80	7.65	45557	29.6
2003	February	26	9	-2.4	0.5	21.6	7.69	7.55	45551	29.6
2003	February	26	9	-2.4	1.0	21.4	7.69	7.54	45525	29.6
2003	February	26	9	-2.4	1.5	21.3	7.63	7.52	45538	29.6
2003	February	26	9	-2.4	2.0	21.3	7.44	7.50	45559	29.6
2003	February	26	9	-2.4	2.5	21.2	7.47	7.49	45599	29.6
2003	February	26	9	-2.4	3.0	21.1	7.01	7.45	48728	32.0
2003	February	26	9	-2.4	3.5	21.1	6.99	7.45	49403	32.4

---------- Month=February STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	10	6.6	0.2	22.6	9.07	7.34	32738	20.8
2003	February	26	10	6.6	0.5	22.2	8.88	7.31	34660	21.8
2003	February	26	10	6.6	1.0	22.0	8.77	7.28	34825	21.9
2003	February	26	10	6.6	1.5	21.8	7.36	7.13	38802	23.8
2003	February	26	10	6.6	2.0	21.5	6.00	7.02	42734	27.6
2003	February	26	10	6.6	2.5	21.5	5.96	7.01	43220	27.9

---------- Month=February STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	11	10.5	0.2	23.3	9.95	7.26	24098	14.6
2003	February	26	11	10.5	0.5	23.0	9.39	7.20	24513	14.8
2003	February	26	11	10.5	1.0	22.7	9.04	7.14	25006	15.1
2003	February	26	11	10.5	1.5	22.5	8.11	7.05	27510	17.0
2003	February	26	11	10.5	2.0	22.4	7.55	7.00	29654	18.4
2003	February	26	11	10.5	2.5	22.3	6.85	6.95	32447	20.2
2003	February	26	11	10.5	3.0	22.2	6.61	6.94	32834	20.5

---------- Month=February STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	12	15.5	0.2	23.3	8.95	6.85	11153	6.4
2003	February	26	12	15.5	0.5	23.2	8.73	6.81	11402	6.5
2003	February	26	12	15.5	1.0	22.6	6.98	6.60	13356	7.7
2003	February	26	12	15.5	1.5	22.3	6.50	6.56	14140	8.2
2003	February	26	12	15.5	2.0	22.2	6.26	6.55	14135	8.2

---------- Month=February STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	13	20.1	0.2	23.5	7.92	6.70	4118	2.2
2003	February	26	13	20.1	0.5	23.4	7.81	6.65	4385	2.4
2003	February	26	13	20.1	1.0	23.1	7.54	6.52	4982	2.7
2003	February	26	13	20.1	1.5	22.8	6.81	6.45	6503	3.5
2003	February	26	13	20.1	2.0	22.4	6.57	6.44	7373	4.1
2003	February	26	13	20.1	2.5	22.2	6.27	6.38	7951	4.4
2003	February	26	13	20.1	3.0	22.2	6.30	6.38	8063	4.5
2003	February	26	13	20.1	3.5	22.2	6.18	6.37	8286	4.6

---------- Month=February STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	14	23.6	0.2	22.6	7.86	6.82	535	0.3
2003	February	26	14	23.6	0.5	22.5	7.76	6.76	534	0.3
2003	February	26	14	23.6	1.0	23.5	7.58	6.73	534	0.3
2003	February	26	14	23.6	1.5	22.5	7.47	6.68	530	0.3
2003	February	26	14	23.6	2.0	22.5	7.39	6.67	532	0.3
2003	February	26	14	23.6	2.5	22.4	7.35	6.65	530	0.3
2003	February	26	14	23.6	3.0	22.4	7.19	6.64	530	0.3

---------- Month=February STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	15	25.9	0.2	23.6	8.15	6.82	484	0.2
2003	February	26	15	25.9	0.5	22.6	7.80	6.77	484	0.2
2003	February	26	15	25.9	1.0	22.5	7.60	6.75	482	0.2

---------- Month=February STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	17	29.5	0.2	22.7	7.93	6.73	482	0.2
2003	February	26	17	29.5	0.5	22.3	7.76	6.71	482	0.2
2003	February	26	17	29.5	1.0	22.2	7.28	6.69	479	0.2
2003	February	26	17	29.5	1.5	21.5	7.04	6.67	480	0.2
2003	February	26	17	29.5	2.0	21.5	7.12	6.62	479	0.2
2003	February	26	17	29.5	2.5	21.3	7.17	6.60	479	0.2
2003	February	26	17	29.5	3.0	21.3	6.84	6.58	479	0.2

---------- Month=February STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	18	30.4	0.2	24.1	7.86	7.02	479	0.2
2003	February	26	18	30.4	0.5	23.4	7.58	6.98	473	0.2
2003	February	26	18	30.4	1.0	21.9	7.62	6.93	477	0.2
2003	February	26	18	30.4	1.5	21.8	7.65	6.88	477	0.2
2003	February	26	18	30.4	2.0	21.7	7.37	6.81	478	0.2
2003	February	26	18	30.4	2.5	21.6	7.44	6.79	478	0.2
2003	February	26	18	30.4	3.0	21.5	7.41	6.76	479	0.2
2003	February	26	18	30.4	3.5	21.4	7.16	6.71	479	0.2

---------- Month=February STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	19	32.3	0.2	23.0	8.21	6.88	470	0.2
2003	February	26	19	32.3	0.5	23.0	8.12	6.86	471	0.2
2003	February	26	19	32.3	1.0	22.7	8.02	6.82	469	0.2
2003	February	26	19	32.3	1.5	22.6	7.90	6.81	469	0.2
2003	February	26	19	32.3	2.0	22.6	7.82	6.78	469	0.2
2003	February	26	19	32.3	2.5	22.6	7.88	6.75	469	0.2

The SAS System

---------- Month=February STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	21	8.4	0.2	23.0	8.41	7.09	34312	21.4
2003	February	26	21	8.4	0.5	23.1	7.64	6.99	38190	24.2
2003	February	26	21	8.4	1.0	21.7	7.17	6.94	39064	24.9
2003	February	26	21	8.4	1.5	21.7	6.82	6.90	39278	25.1

---------- Month=February STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	22	12.8	0.2	23.0	8.92	6.78	17766	11.2
2003	February	26	22	12.8	0.5	22.7	8.07	6.77	19589	11.8
2003	February	26	22	12.8	1.0	22.8	8.18	6.81	20309	12.1
2003	February	26	22	12.8	1.5	22.9	8.31	6.83	20500	12.2

---------- Month=February STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	23	17.5	0.2	23.8	8.92	6.63	5683	3.2
2003	February	26	23	17.5	0.5	23.7	8.18	6.50	7540	4.5
2003	February	26	23	17.5	1.0	22.6	7.17	6.37	10103	5.9
2003	February	26	23	17.5	1.5	22.4	6.83	6.35	10929	6.3

---------- Month=February STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	24	21.9	0.2	23.6	7.97	6.77	806	0.4
2003	February	26	24	21.9	0.5	23.1	7.71	6.75	889	0.5
2003	February	26	24	21.9	1.0	23.0	7.54	6.69	939	0.5
2003	February	26	24	21.9	1.5	22.9	7.54	6.70	950	0.5
2003	February	26	24	21.9	2.0	22.9	7.35	6.67	963	0.5

---------- Month=February STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	25	24.7	0.2	23.1	7.75	6.79	498	0.3
2003	February	26	25	24.7	0.5	23.0	7.72	6.73	501	0.3
2003	February	26	25	24.7	1.0	22.7	7.70	6.70	503	0.3
2003	February	26	25	24.7	1.5	22.6	7.50	6.65	503	0.3
2003	February	26	25	24.7	2.0	22.3	7.32	6.61	504	0.3
2003	February	26	25	24.7	2.5	22.2	7.27	6.59	504	0.3

---------- Month=February STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	February	26	92	12.7	0.2	22.8	8.71	6.75	17814	10.5
2003	February	26	92	12.7	0.5	22.5	8.52	6.71	17776	10.5
2003	February	26	92	12.7	1.0	22.5	8.46	6.71	18110	10.7
2003	February	26	92	12.7	1.5	22.5	8.46	6.74	18423	10.9
2003	February	26	92	12.7	2.0	22.5	8.47	6.73	18140	10.9
2003	February	26	92	12.7	2.5	22.5	8.40	6.75	18097	10.8

---------- Month=March STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	9	-2.4	0.2	24.5	5.83	7.18	46648	30.4
2003	March	26	9	-2.4	0.5	24.5	5.68	7.16	46651	30.4
2003	March	26	9	-2.4	1.0	24.4	5.66	7.14	46647	30.4
2003	March	26	9	-2.4	1.5	24.4	5.62	7.17	46647	30.4
2003	March	26	9	-2.4	2.0	24.4	5.57	7.19	46658	30.4
2003	March	26	9	-2.4	2.5	24.4	5.43	7.20	46715	30.4
2003	March	26	9	-2.4	3.0	24.4	5.24	7.20	46830	30.5
2003	March	26	9	-2.4	3.5	24.4	5.15	7.22	46980	30.6
2003	March	26	9	-2.4	4.0	24.4	5.01	7.23	47016	30.6

---------- Month=March STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	10	6.6	0.2	24.7	6.38	7.13	35329	22.4
2003	March	26	10	6.6	0.5	24.7	6.33	7.14	35515	22.5
2003	March	26	10	6.6	1.0	24.6	6.30	7.17	36313	23.0
2003	March	26	10	6.6	1.5	24.7	5.38	7.10	39769	25.3
2003	March	26	10	6.6	2.0	24.6	4.47	7.03	42085	27.0
2003	March	26	10	6.6	2.5	24.7	3.99	7.01	44630	28.9

---------- Month=March STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	11	10.5	0.2	25.5	8.68	7.38	33072	20.5
2003	March	26	11	10.5	0.5	25.5	8.71	7.41	33481	21.0
2003	March	26	11	10.5	1.0	25.4	7.12	7.24	34316	21.5
2003	March	26	11	10.5	1.5	25.4	6.25	7.10	34622	21.8
2003	March	26	11	10.5	2.0	25.2	4.69	6.94	37331	23.6
2003	March	26	11	10.5	2.5	25.1	4.72	6.97	37611	23.9
2003	March	26	11	10.5	3.0	25.0	4.02	6.93	39724	25.2

---------- Month=March STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	12	15.5	0.2	25.4	6.05	7.04	6351	3.5
2003	March	26	12	15.5	0.5	25.5	5.73	6.99	7453	4.2
2003	March	26	12	15.5	1.0	24.9	5.01	6.85	10605	5.9
2003	March	26	12	15.5	1.5	24.4	3.96	6.79	14344	8.1
2003	March	26	12	15.5	2.0	24.4	3.87	6.78	16181	9.4

---------- Month=March STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	13	20.1	0.2	25.1	6.38	7.02	1544	0.8
2003	March	26	13	20.1	0.5	25.2	6.16	7.03	1567	0.8
2003	March	26	13	20.1	1.0	25.2	5.95	7.01	1685	0.9
2003	March	26	13	20.1	1.5	24.4	5.51	6.92	1767	0.9
2003	March	26	13	20.1	2.0	24.3	5.68	6.88	1763	0.9
2003	March	26	13	20.1	2.5	24.1	5.54	6.85	1856	1.0
2003	March	26	13	20.1	3.0	24.1	5.37	6.83	1944	1.0
2003	March	26	13	20.1	3.5	24.1	5.34	6.83	1935	1.0

---------- Month=March STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	14	23.6	0.2	24.6	6.28	6.96	411	0.2
2003	March	26	14	23.6	0.5	24.4	6.10	6.95	409	0.2
2003	March	26	14	23.6	1.0	23.8	5.55	6.93	401	0.2
2003	March	26	14	23.6	1.5	23.2	5.59	6.90	401	0.2
2003	March	26	14	23.6	2.0	23.1	5.71	6.88	401	0.2
2003	March	26	14	23.6	2.5	25.0	5.71	6.87	401	0.2
2003	March	26	14	23.6	3.0	23.0	5.61	6.84	405	0.2
2003	March	26	14	23.6	3.5	23.0	5.38	6.82	404	0.2
2003	March	26	14	23.6	4.0	23.0	5.47	6.80	406	0.2

---------- Month=March STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	15	25.9	0.2	24.3	6.36	7.09	394	0.2
2003	March	26	15	25.9	0.5	24.4	6.25	7.08	395	0.2
2003	March	26	15	25.9	1.0	22.9	6.01	7.01	394	0.2
2003	March	26	15	25.9	1.5	22.8	5.70	7.00	394	0.2
2003	March	26	15	25.9	2.0	22.6	5.74	6.99	393	0.2

---------- Month=March STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	17	29.5	0.2	23.6	6.69	7.00	389	0.2
2003	March	26	17	29.5	0.5	23.5	6.56	7.00	388	0.2
2003	March	26	17	29.5	1.0	23.3	6.45	7.00	388	0.2
2003	March	26	17	29.5	1.5	23.3	6.46	7.00	388	0.2
2003	March	26	17	29.5	2.0	23.2	6.15	7.01	388	0.2
2003	March	26	17	29.5	2.5	23.1	6.27	6.95	389	0.2
2003	March	26	17	29.5	3.0	23.1	6.15	6.94	388	0.2
2003	March	26	17	29.5	3.5	23.0	6.24	6.91	390	0.2
2003	March	26	17	29.5	4.0	23.0	6.26	6.90	390	0.2

---------- Month=March STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	18	30.4	0.2	23.1	6.67	7.03	388	0.2
2003	March	26	18	30.4	0.5	23.2	6.53	7.03	388	0.2
2003	March	26	18	30.4	1.0	23.2	6.55	7.05	388	0.2
2003	March	26	18	30.4	1.5	23.2	6.52	7.05	388	0.2
2003	March	26	18	30.4	2.0	23.1	6.43	7.02	388	0.2
2003	March	26	18	30.4	2.5	23.1	6.30	7.00	387	0.2
2003	March	26	18	30.4	3.0	23.1	6.37	6.98	387	0.2
2003	March	26	18	30.4	3.5	23.1	6.35	6.97	387	0.2
2003	March	26	18	30.4	4.0	23.1	6.18	6.94	387	0.2

---------- Month=March STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	19	32.3	0.2	23.3	6.96	7.07	385	0.2
2003	March	26	19	32.3	0.5	23.3	6.87	7.05	385	0.2
2003	March	26	19	32.3	1.0	23.3	6.83	7.04	385	0.2
2003	March	26	19	32.3	1.5	23.3	6.79	7.02	385	0.2
2003	March	26	19	32.3	2.0	23.3	6.75	7.00	385	0.2

---------- Month=March STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	21	8.4	0.2	25.0	6.15	7.17	36975	23.4
2003	March	26	21	8.4	0.5	24.9	6.01	7.18	37076	23.5
2003	March	26	21	8.4	1.0	24.9	5.60	7.13	38398	24.5
2003	March	26	21	8.4	1.5	24.7	4.56	7.05	40577	27.0
2003	March	26	21	8.4	2.0	24.8	4.23	7.03	41187	26.7

---------- Month=March STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	22	12.8	0.2	25.4	6.69	7.11	19853	11.8
2003	March	26	22	12.8	0.5	25.3	6.35	7.07	20046	11.9
2003	March	26	22	12.8	1.0	24.7	5.63	6.95	20509	12.2
2003	March	26	22	12.8	1.5	24.4	5.26	6.91	20769	12.4
2003	March	26	22	12.8	2.0	24.4	5.05	6.90	21346	12.8
2003	March	26	22	12.8	2.5	24.4	4.89	6.89	21510	12.9
2003	March	26	22	12.8	3.0	24.4	4.79	6.90	21532	12.9

---------- Month=March STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	23	17.5	0.2	25.2	6.32	7.05	2959	1.7
2003	March	26	23	17.5	0.5	25.2	6.27	7.05	3334	1.9
2003	March	26	23	17.5	1.0	25.1	6.24	7.03	3910	2.1
2003	March	26	23	17.5	1.5	24.7	5.80	6.95	4551	2.5
2003	March	26	23	17.5	2.0	24.6	5.82	6.95	4341	2.5

---------- Month=March STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	24	21.9	0.2	24.8	6.15	7.03	442	0.2
2003	March	26	24	21.9	0.5	24.8	6.02	7.03	441	0.2
2003	March	26	24	21.9	1.0	24.6	5.93	7.04	440	0.2
2003	March	26	24	21.9	1.5	24.4	5.83	7.03	439	0.2
2003	March	26	24	21.9	2.0	24.4	5.16	7.03	440	0.2
2003	March	26	24	21.9	2.5	24.2	5.08	7.01	439	0.2

---------- Month=March STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	25	24.7	0.2	24.3	6.14	6.95	396	0.2
2003	March	26	25	24.7	0.5	24.2	6.18	6.92	395	0.2
2003	March	26	25	24.7	1.0	23.9	6.11	6.93	396	0.2
2003	March	26	25	24.7	1.5	23.6	5.82	6.90	396	0.2
2003	March	26	25	24.7	2.0	23.0	5.74	6.85	397	0.2
2003	March	26	25	24.7	2.5	22.8	5.52	6.83	397	0.2

---------- Month=March STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	March	26	92	12.7	0.2	25.2	6.70	7.09	19131	11.3
2003	March	26	92	12.7	0.5	25.2	6.83	7.16	19437	11.6
2003	March	26	92	12.7	1.0	25.2	7.64	7.34	21684	12.8
2003	March	26	92	12.7	1.5	24.9	5.75	7.05	26072	15.9
2003	March	26	92	12.7	2.0	24.7	5.45	7.05	26258	16.0
2003	March	26	92	12.7	2.5	24.7	5.49	7.04	26281	16.1
2003	March	26	92	12.7	3.0	24.8	5.44	7.29	26370	16.1

---------- Month=April STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	9	-2.4	0.2	25.7	8.51	7.42	50971	33.5
2003	April	23	9	-2.4	0.5	25.8	8.19	7.36	50945	33.5
2003	April	23	9	-2.4	1.0	25.8	8.01	7.34	50944	33.5
2003	April	23	9	-2.4	1.5	25.8	7.88	7.35	51087	33.6
2003	April	23	9	-2.4	2.0	25.8	8.06	7.36	51393	33.9
2003	April	23	9	-2.4	2.5	22.8	8.13	7.37	51770	34.1
2003	April	23	9	-2.4	3.0	25.9	7.54	7.35	53746	35.4
2003	April	23	9	-2.4	3.5	25.9	6.51	7.27	57158	38.1
2003	April	23	9	-2.4	4.0	25.9	6.26	7.26	57203	38.2

---------- Month=April STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	10	6.6	0.2	26.5	6.73	7.00	42833	27.6
2003	April	23	10	6.6	0.5	26.4	6.27	7.00	43035	27.7
2003	April	23	10	6.6	1.0	26.5	6.02	6.98	43252	27.9
2003	April	23	10	6.6	1.5	26.2	6.20	7.02	43748	28.3
2003	April	23	10	6.6	2.0	26.0	6.22	7.04	43968	28.4
2003	April	23	10	6.6	2.5	26.0	6.18	7.05	43979	28.4

---------- Month=April STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	11	10.5	0.2	26.4	8.55	7.25	31601	19.7
2003	April	23	11	10.5	0.5	26.6	8.21	7.25	32130	20.2
2003	April	23	11	10.5	1.0	26.7	8.15	7.24	32751	20.5
2003	April	23	11	10.5	1.5	26.4	7.92	7.24	32969	20.7
2003	April	23	11	10.5	2.0	26.2	7.94	7.25	33942	21.3
2003	April	23	11	10.5	2.5	26.2	7.55	7.24	34566	21.7
2003	April	23	11	10.5	3.0	26.3	7.08	7.22	35507	22.4

---------- Month=April STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	12	15.5	0.2	26.7	8.06	6.60	14864	8.7
2003	April	23	12	15.5	0.5	27.0	7.10	6.53	16240	9.5
2003	April	23	12	15.5	1.0	26.4	6.81	6.52	17957	10.4
2003	April	23	12	15.5	1.5	26.0	6.47	6.53	17998	10.6
2003	April	23	12	15.5	2.0	26.0	6.43	6.55	18062	10.6

---------- Month=April STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	13	20.1	0.2	27.2	7.48	6.74	5575	3.1
2003	April	23	13	20.1	0.5	27.1	7.15	6.67	6163	3.4
2003	April	23	13	20.1	1.0	27.2	7.42	6.69	6706	3.7
2003	April	23	13	20.1	1.5	27.2	6.53	6.59	8648	4.5
2003	April	23	13	20.1	2.0	26.6	5.80	6.51	10139	5.8
2003	April	23	13	20.1	2.5	26.5	5.81	6.49	10731	6.1
2003	April	23	13	20.1	3.0	26.5	5.46	6.50	10747	6.1

---------- Month=April STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	14	23.6	0.2	26.9	7.94	7.08	917	0.5
2003	April	23	14	23.6	0.5	26.9	7.42	7.00	927	0.5
2003	April	23	14	23.6	1.0	26.7	6.99	6.96	970	0.5
2003	April	23	14	23.6	1.5	26.5	6.61	6.93	953	0.5
2003	April	23	14	23.6	2.0	26.1	6.47	6.90	932	0.5
2003	April	23	14	23.6	2.5	26.0	6.45	6.88	960	0.5
2003	April	23	14	23.6	3.0	26.0	6.40	6.86	970	0.5
2003	April	23	14	23.6	3.5	26.0	6.51	6.84	974	0.5
2003	April	23	14	23.6	4.0	26.0	6.17	6.82	974	0.5

---------- Month=April STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	15	25.9	0.2	27.2	8.83	7.20	629	0.3
2003	April	23	15	25.9	0.5	26.9	7.91	7.10	623	0.3
2003	April	23	15	25.9	1.0	26.6	7.44	7.06	639	0.3
2003	April	23	15	25.9	1.5	26.2	7.23	7.04	638	0.3

---------- Month=April STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	17	29.5	0.2	27.5	9.30	7.37	587	0.3
2003	April	23	17	29.5	0.5	27.9	8.24	7.31	586	0.3
2003	April	23	17	29.5	1.0	27.2	8.64	7.26	584	0.3
2003	April	23	17	29.5	1.5	26.9	8.36	7.22	582	0.3
2003	April	23	17	29.5	2.0	26.7	8.33	7.21	582	0.3
2003	April	23	17	29.5	2.5	26.6	7.87	7.17	582	0.3
2003	April	23	17	29.5	3.0	26.5	7.72	7.13	581	0.3

---------- Month=April STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	18	30.4	0.2	27.7	9.72	7.49	583	0.3
2003	April	23	18	30.4	0.5	27.4	9.05	7.41	582	0.3
2003	April	23	18	30.4	1.0	27.1	8.68	7.37	582	0.3
2003	April	23	18	30.4	1.5	26.8	8.51	7.32	581	0.3
2003	April	23	18	30.4	2.0	26.6	8.55	7.27	581	0.3
2003	April	23	18	30.4	2.5	26.5	7.99	7.22	582	0.3
2003	April	23	18	30.4	3.0	26.2	7.68	7.16	582	0.3
2003	April	23	18	30.4	3.5	26.1	7.35	7.12	582	0.3

---------- Month=April STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	19	32.3	0.2	26.4	9.78	7.44	584	0.3
2003	April	23	19	32.3	0.5	27.4	9.33	7.39	584	0.3
2003	April	23	19	32.3	1.0	27.1	8.40	7.30	583	0.3
2003	April	23	19	32.3	1.5	26.4	8.14	7.27	582	0.3
2003	April	23	19	32.3	2.0	26.4	7.69	7.25	582	0.3
2003	April	23	19	32.3	2.5	26.2	7.59	7.20	584	0.3

---------- Month=April STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	21	8.4	0.2	24.8	8.22	7.08	37447	23.6
2003	April	23	21	8.4	0.5	26.6	8.08	7.11	37463	24.1
2003	April	23	21	8.4	1.0	26.8	7.51	7.11	40034	25.6
2003	April	23	21	8.4	1.5	26.3	6.96	7.06	40568	26.0
2003	April	23	21	8.4	2.0	26.3	6.01	7.66	40565	26.0

---------- Month=April STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	22	12.8	0.2	26.0	8.92	6.83	22482	13.4
2003	April	23	22	12.8	0.5	26.6	7.84	6.79	23106	13.9
2003	April	23	22	12.8	1.0	26.3	7.59	6.77	24023	14.5
2003	April	23	22	12.8	1.5	26.0	7.54	6.77	24096	14.6
2003	April	23	22	12.8	2.0	26.0	7.68	6.78	24176	14.7
2003	April	23	22	12.8	2.5	26.0	7.32	6.79	24516	14.9

---------- Month=April STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	23	17.5	0.2	27.6	8.49	6.86	8083	4.8
2003	April	23	23	17.5	0.5	27.5	7.97	6.81	8412	4.7
2003	April	23	23	17.5	1.0	27.2	7.07	6.65	11495	6.8
2003	April	23	23	17.5	1.5	26.7	6.17	6.59	14369	8.4
2003	April	23	23	17.5	2.0	26.4	6.08	6.59	14512	8.4

---------- Month=April STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	24	21.9	0.2	27.7	7.93	6.97	1875	1.0
2003	April	23	24	21.9	0.5	27.7	7.58	6.92	1908	1.0
2003	April	23	24	21.9	1.0	27.2	7.05	6.89	1974	1.1
2003	April	23	24	21.9	1.5	27.0	6.80	6.85	2047	1.1
2003	April	23	24	21.9	2.0	26.7	6.56	6.83	2051	1.1
2003	April	23	24	21.9	2.5	26.6	6.33	6.82	2009	1.1

---------- Month=April STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	25	24.7	0.2	28.0	8.23	7.05	738	0.4
2003	April	23	25	24.7	0.5	27.9	8.21	7.01	741	0.4
2003	April	23	25	24.7	1.0	27.5	7.56	6.96	719	0.4
2003	April	23	25	24.7	1.5	26.6	7.28	6.95	709	0.4
2003	April	23	25	24.7	2.0	26.6	7.27	6.95	706	0.4
2003	April	23	25	24.7	2.5	26.5	7.41	6.96	679	0.4

---------- Month=April STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	April	23	92	12.7	0.2	26.2	9.28	6.89	21133	12.6
2003	April	23	92	12.7	0.5	26.1	9.12	6.88	21398	12.8
2003	April	23	92	12.7	1.0	26.1	8.45	6.88	22417	13.5
2003	April	23	92	12.7	1.5	26.0	8.03	6.84	22725	13.7
2003	April	23	92	12.7	2.0	26.0	7.89	6.81	22859	13.8
2003	April	23	92	12.7	2.5	26.0	7.80	6.81	22896	13.8
2003	April	23	92	12.7	3.0	26.0	7.46	6.82	23030	13.9
2003	April	23	92	12.7	3.5	26.1	7.56	6.83	23103	13.9

Month=May STATION=9

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	9	-2.4	0.2	29.4	7.46	7.73	44449	28.8
2003	May	27	9	-2.4	0.5	29.4	7.39	7.83	44500	28.8
2003	May	27	9	-2.4	1.0	29.4	7.25	7.92	45339	29.5
2003	May	27	9	-2.4	1.5	29.3	6.90	7.97	47466	30.9
2003	May	27	9	-2.4	2.0	29.0	5.34	7.85	54192	35.9
2003	May	27	9	-2.4	2.5	28.9	5.12	7.84	55680	37.1
2003	May	27	9	-2.4	3.0	28.9	5.15	7.85	55703	37.1
2003	May	27	9	-2.4	3.5	28.9	5.04	7.86	56022	37.3
2003	May	27	9	-2.4	4.0	28.8	5.10	7.86	56011	37.3
2003	May	27	9	-2.4	4.5	28.9	5.08	7.87	56036	37.3

Month=May STATION=10

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	10	6.6	0.2	30.2	7.81	8.12	31443	19.6
2003	May	27	10	6.6	0.5	30.0	7.69	8.13	32305	20.2
2003	May	27	10	6.6	1.0	30.1	8.02	8.15	37550	24.0
2003	May	27	10	6.6	1.5	29.8	5.31	7.84	46289	30.2
2003	May	27	10	6.6	2.0	29.4	5.02	7.80	50073	32.0
2003	May	27	10	6.6	2.5	29.4	3.37	7.72	50432	33.2

Month=May STATION=11

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	11	10.5	0.2	30.8	8.93	8.18	17737	10.6
2003	May	27	11	10.5	0.5	30.6	7.33	7.99	27939	17.7
2003	May	27	11	10.5	1.0	30.6	7.17	7.99	30463	18.7
2003	May	27	11	10.5	1.5	30.5	6.57	7.92	32173	20.1
2003	May	27	11	10.5	2.0	30.4	6.38	7.92	32541	20.3

2003	May	27	11	10.5	2.5	30.4	6.16	7.92	32688	20.4

---------- Month=May STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	12	15.5	0.2	30.9	7.53	7.34	5843	3.2
2003	May	27	12	15.5	0.5	30.3	6.73	7.24	6341	3.5
2003	May	27	12	15.5	1.0	29.7	5.91	7.14	7409	4.0
2003	May	27	12	15.5	1.5	29.6	5.74	7.12	7551	4.2
2003	May	27	12	15.5	2.0	29.6	5.55	7.12	7586	4.2
2003	May	27	12	15.5	2.5	29.6	5.46	7.12	7605	4.2

---------- Month=May STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	13	20.1	0.2	31.0	6.14	7.28	931	0.5
2003	May	27	13	20.1	0.5	30.6	5.97	7.24	981	0.5
2003	May	27	13	20.1	1.0	30.2	5.80	7.20	961	0.5
2003	May	27	13	20.1	1.5	29.9	5.74	7.17	945	0.5
2003	May	27	13	20.1	2.0	29.8	5.70	7.15	927	0.5
2003	May	27	13	20.1	2.5	29.8	5.69	7.14	919	0.5
2003	May	27	13	20.1	3.0	29.7	5.60	7.12	908	0.5
2003	May	27	13	20.1	3.5	29.6	5.45	7.12	897	0.5

---------- Month=May STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	14	23.6	0.2	30.9	6.53	7.40	673	0.4
2003	May	27	14	23.6	0.5	30.2	6.15	7.33	673	0.4
2003	May	27	14	23.6	1.0	29.8	5.96	7.31	674	0.4
2003	May	27	14	23.6	1.5	29.8	5.84	7.28	675	0.4
2003	May	27	14	23.6	2.0	29.5	5.88	7.26	674	0.4
2003	May	27	14	23.6	2.5	29.4	5.81	7.24	673	0.4
2003	May	27	14	23.6	3.0	29.4	5.74	7.22	673	0.4
2003	May	27	14	23.6	3.5	29.4	5.69	7.21	672	0.4

2003	May	27	14	23.6	4.0	29.4	5.80	7.21	672	0.4
2003	May	27	14	23.6	4.5	29.4	5.22	7.20	672	0.4

---------- Month=May STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	15	25.9	0.2	29.7	6.22	7.50	633	0.3
2003	May	27	15	25.9	0.5	29.6	6.15	7.52	637	0.3
2003	May	27	15	25.9	1.0	29.6	5.84	7.46	634	0.3
2003	May	27	15	25.9	1.5	29.2	6.03	7.43	634	0.3

---------- Month=May STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	17	29.5	0.2	31.3	6.77	7.57	582	0.3
2003	May	27	17	29.5	0.5	29.6	6.41	7.50	579	0.3
2003	May	27	17	29.5	1.0	29.3	6.35	7.46	577	0.3
2003	May	27	17	29.5	1.5	28.7	6.25	7.43	578	0.3
2003	May	27	17	29.5	2.0	28.5	6.03	7.40	578	0.3
2003	May	27	17	29.5	2.5	28.4	5.99	7.39	578	0.3
2003	May	27	17	29.5	3.0	28.4	6.00	7.38	578	0.3
2003	May	27	17	29.5	3.5	28.4	6.14	7.38	578	0.3

---------- Month=May STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	18	30.4	0.2	29.8	6.54	7.51	564	0.3
2003	May	27	18	30.4	0.5	29.7	6.46	7.52	566	0.3
2003	May	27	18	30.4	1.0	29.0	6.27	7.50	563	0.3
2003	May	27	18	30.4	1.5	28.6	6.23	7.46	563	0.3
2003	May	27	18	30.4	2.0	28.5	5.93	7.45	563	0.3
2003	May	27	18	30.4	2.5	28.4	5.96	7.43	562	0.3

2003	May	27	18	30.4	3.0	28.4	5.92	7.41	562	0.3
2003	May	27	18	30.4	3.5	28.3	6.03	7.40	563	0.3

---------- Month=May STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	19	32.3	0.2	30.0	7.04	7.56	561	0.3
2003	May	27	19	32.3	0.5	29.7	7.00	7.57	561	0.3
2003	May	27	19	32.3	1.0	29.2	6.90	7.56	559	0.3
2003	May	27	19	32.3	1.5	29.1	6.81	7.54	561	0.3
2003	May	27	19	32.3	2.0	29.0	6.77	7.51	559	0.3
2003	May	27	19	32.3	2.5	29.0	6.59	7.51	559	0.3

---------- Month=May STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	21	8.4	0.2	30.5	8.52	8.16	21590	12.9
2003	May	27	21	8.4	0.5	30.4	8.01	8.11	30377	19.3
2003	May	27	21	8.4	1.0	30.0	5.83	7.83	39335	25.1
2003	May	27	21	8.4	1.5	30.0	5.59	7.82	39518	25.2
2003	May	27	21	8.4	2.0	30.0	5.29	7.82	39521	25.2

---------- Month=May STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	22	12.8	0.2	31.0	9.58	8.13	10982	6.3
2003	May	27	22	12.8	0.5	30.3	8.14	7.75	12544	7.2
2003	May	27	22	12.8	1.0	30.1	6.84	7.55	13107	7.5
2003	May	27	22	12.8	1.5	29.9	6.43	7.50	15801	9.2
2003	May	27	22	12.8	2.0	29.9	6.28	7.50	17563	10.4

2003	May	27	22	12.8	2.5	29.9	6.40	7.55	18143	10.7
2003	May	27	22	12.8	3.0	29.9	6.51	7.58	19503	11.2
2003	May	27	22	12.8	3.5	29.9	6.45	7.61	20248	12.0

---------- Month=May STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	23	17.5	0.2	31.6	6.36	7.35	2531	1.3
2003	May	27	23	17.5	0.5	31.4	6.24	7.21	2680	1.5
2003	May	27	23	17.5	1.0	30.2	5.79	7.11	3405	1.9
2003	May	27	23	17.5	1.5	30.1	5.59	7.07	3549	1.9

The SAS System

---------- Month=May STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	24	21.9	0.2	30.6	6.34	7.45	675	0.4
2003	May	27	24	21.9	0.5	30.2	6.03	7.39	676	0.4
2003	May	27	24	21.9	1.0	29.8	5.85	7.34	676	0.4
2003	May	27	24	21.9	1.5	29.8	5.55	7.29	677	0.4
2003	May	27	24	21.9	2.0	29.7	5.44	7.26	677	0.4
2003	May	27	24	21.9	2.5	29.6	5.54	7.25	677	0.4
2003	May	27	24	21.9	3.0	29.6	5.40	7.23	677	0.4

---------- Month=May STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	25	24.7	0.2	30.0	6.26	7.31	659	0.3
2003	May	27	25	24.7	0.5	29.3	5.85	7.29	656	0.3
2003	May	27	25	24.7	1.0	29.9	5.31	7.26	654	0.3
2003	May	27	25	24.7	1.5	29.0	5.50	7.25	653	0.3
2003	May	27	25	24.7	2.0	28.9	5.27	7.24	654	0.3

---------- Month=May STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	May	27	92	12.7	0.2	30.9	12.01	8.48	13228	7.4
2003	May	27	92	12.7	0.5	30.9	12.62	8.51	15970	9.0
2003	May	27	92	12.7	1.0	30.7	11.52	8.42	15721	9.4
2003	May	27	92	12.7	1.5	30.1	8.72	8.04	18583	11.1
2003	May	27	92	12.7	2.0	30.0	7.79	7.92	19605	11.6
2003	May	27	92	12.7	2.5	30.0	7.61	7.90	19637	11.7
2003	May	27	92	12.7	3.0	30.0	7.44	7.86	19704	11.7
2003	May	27	92	12.7	3.5	30.0	7.63	7.84	19680	11.7

---------- Month=June STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	9	-2.4	0.2	28.2	8.23	7.30	6915	3.8
2003	June	30	9	-2.4	0.5	28.2	8.06	7.26	6930	3.9
2003	June	30	9	-2.4	1.0	28.1	7.96	7.26	6999	3.9
2003	June	30	9	-2.4	1.5	28.1	7.96	7.22	6952	3.9
2003	June	30	9	-2.4	2.0	28.1	7.92	7.19	7251	4.1
2003	June	30	9	-2.4	2.5	28.2	7.77	7.16	7632	4.3
2003	June	30	9	-2.4	3.0	28.5	8.13	7.27	12887	7.3
2003	June	30	9	-2.4	3.5	28.4	1.89	7.20	33034	21.6
2003	June	30	9	-2.4	4.0	28.3	0.50	7.20	40426	25.9

---------- Month=June STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	10	6.6	0.2	27.7	6.31	6.97	575	0.3
2003	June	30	10	6.6	0.5	27.6	6.21	6.93	661	0.4
2003	June	30	10	6.6	1.0	27.6	6.14	6.91	1029	0.5
2003	June	30	10	6.6	1.5	27.5	5.88	6.84	2561	1.3
2003	June	30	10	6.6	2.0	27.9	3.67	6.86	16248	9.5
2003	June	30	10	6.6	2.5	28.0	1.48	6.95	27067	16.5

---------- Month=June STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	11	10.5	0.2	27.3	5.73	6.75	293	0.1
2003	June	30	11	10.5	0.5	27.3	5.04	6.74	292	0.1
2003	June	30	11	10.5	1.0	27.2	4.89	6.72	292	0.1
2003	June	30	11	10.5	1.5	27.2	4.85	6.71	292	0.1
2003	June	30	11	10.5	2.0	27.2	4.83	6.70	291	0.1
2003	June	30	11	10.5	2.5	27.2	4.79	6.69	290	0.1
2003	June	30	11	10.5	3.0	27.2	4.77	6.68	291	0.1

Month=June STATION=12

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	12	15.5	0.2	27.3	5.20	6.61	238	0.1
2003	June	30	12	15.5	0.5	27.3	5.00	6.58	237	0.1
2003	June	30	12	15.5	1.0	27.3	4.85	6.58	238	0.1
2003	June	30	12	15.5	1.5	27.3	4.78	6.55	237	0.1
2003	June	30	12	15.5	2.0	27.3	4.63	6.53	237	0.1

Month=June STATION=13

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	13	20.1	0.2	27.7	5.52	6.62	241	0.1
2003	June	30	13	20.1	0.5	27.6	5.15	6.60	240	0.1
2003	June	30	13	20.1	1.0	27.7	5.11	6.57	239	0.1
2003	June	30	13	20.1	1.5	27.6	4.93	6.56	240	0.1
2003	June	30	13	20.1	2.0	27.6	4.73	6.54	240	0.1
2003	June	30	13	20.1	2.5	27.6	4.67	6.51	240	0.1
2003	June	30	13	20.1	3.0	27.6	4.57	6.50	240	0.1
2003	June	30	13	20.1	3.5	27.6	4.59	6.48	239	0.1
2003	June	30	13	20.1	4.0	27.6	4.60	6.47	239	0.1
2003	June	30	13	20.1	4.5	27.6	4.61	6.45	238	0.1

Month=June STATION=14

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	14	23.6	0.2	27.5	4.34	6.61	252	0.1
2003	June	30	14	23.6	0.5	27.5	4.29	6.59	254	0.1
2003	June	30	14	23.6	1.0	27.5	4.25	6.57	255	0.1
2003	June	30	14	23.6	1.5	27.5	4.18	6.53	255	0.1
2003	June	30	14	23.6	2.0	27.5	4.20	6.53	253	0.1
2003	June	30	14	23.6	2.5	27.6	4.19	6.52	253	0.1
2003	June	30	14	23.6	3.0	27.5	4.17	6.51	255	0.1
2003	June	30	14	23.6	3.5	27.5	4.14	6.49	255	0.1

---------- Month=June STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	15	25.9	0.2	27.6	4.96	6.66	240	0.1
2003	June	30	15	25.9	0.5	27.6	4.71	6.61	240	0.1
2003	June	30	15	25.9	1.0	27.6	4.70	6.59	240	0.1
2003	June	30	15	25.9	1.5	27.6	4.59	6.57	241	0.1
2003	June	30	15	25.9	2.0	27.6	4.61	6.53	240	0.1
2003	June	30	15	25.9	2.5	27.6	4.56	6.50	239	0.1

---------- Month=June STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	17	29.5	0.2	27.3	5.58	6.64	260	0.1
2003	June	30	17	29.5	0.5	27.3	4.92	6.59	256	0.1
2003	June	30	17	29.5	1.0	27.3	4.82	6.64	238	0.1
2003	June	30	17	29.5	1.5	27.3	4.76	6.51	245	0.1
2003	June	30	17	29.5	2.0	27.3	4.76	6.60	255	0.1
2003	June	30	17	29.5	2.5	27.3	4.71	6.45	245	0.1

---------- Month=June STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	18	30.4	0.2	27.3	5.03	6.53	223	0.1
2003	June	30	18	30.4	0.5	27.3	4.83	6.46	207	0.1
2003	June	30	18	30.4	1.0	27.3	4.78	6.52	247	0.1
2003	June	30	18	30.4	1.5	27.2	4.62	6.53	227	0.1
2003	June	30	18	30.4	2.0	27.3	4.73	6.53	260	0.1
2003	June	30	18	30.4	2.5	27.3	4.70	6.50	252	0.1
2003	June	30	18	30.4	3.0	27.3	4.70	6.50	204	0.1

---------- Month=June STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	19	32.3	0.2	27.4	5.05	6.65	265	0.1
2003	June	30	19	32.3	0.5	27.4	4.91	6.63	266	0.1
2003	June	30	19	32.3	1.0	27.4	4.86	6.64	263	0.1
2003	June	30	19	32.3	1.5	27.4	4.79	6.66	262	0.1
2003	June	30	19	32.3	2.0	27.4	4.79	6.61	265	0.1
2003	June	30	19	32.3	2.5	27.4	4.70	6.55	265	0.1
2003	June	30	19	32.3	3.0	27.4	4.67	6.56	263	0.1

---------- Month=June STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	21	8.4	0.2	27.9	6.14	6.98	400	0.2
2003	June	30	21	8.4	0.5	27.9	6.01	6.94	397	0.2
2003	June	30	21	8.4	1.0	27.9	5.86	6.93	398	0.2
2003	June	30	21	8.4	1.5	27.8	5.80	6.93	396	0.2
2003	June	30	21	8.4	2.0	27.8	5.80	6.92	391	0.2

---------- Month=June STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	22	12.8	0.2	27.5	5.18	6.63	237	0.1
2003	June	30	22	12.8	0.5	27.3	4.99	6.60	237	0.1
2003	June	30	22	12.8	1.0	27.3	4.93	6.59	237	0.1
2003	June	30	22	12.8	1.5	27.2	4.92	6.56	237	0.1
2003	June	30	22	12.8	2.0	27.1	4.91	6.54	236	0.1
2003	June	30	22	12.8	2.5	27.1	4.82	6.53	237	0.1
2003	June	30	22	12.8	3.0	27.1	4.66	6.49	237	0.1
2003	June	30	22	12.8	3.5	27.1	4.60	6.48	239	0.1
2003	June	30	22	12.8	4.0	27.1	4.60	6.47	243	0.1

---------- Month=June STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	23	17.5	0.2	27.5	5.88	6.67	236	0.1
2003	June	30	23	17.5	0.5	27.5	5.08	6.63	236	0.1
2003	June	30	23	17.5	1.0	27.5	4.94	6.60	236	0.1
2003	June	30	23	17.5	1.5	27.4	4.93	6.56	236	0.1
2003	June	30	23	17.5	2.0	27.4	4.81	6.54	236	0.1

---------- Month=June STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	24	21.9	0.2	27.5	5.51	6.62	249	0.1
2003	June	30	24	21.9	0.5	27.5	4.59	6.59	249	0.1
2003	June	30	24	21.9	1.0	27.5	4.48	6.58	249	0.1
2003	June	30	24	21.9	1.5	27.4	4.40	6.56	249	0.1
2003	June	30	24	21.9	2.0	27.4	4.42	6.54	248	0.1
2003	June	30	24	21.9	2.5	27.4	4.34	6.51	248	0.1
2003	June	30	24	21.9	3.0	27.4	4.38	6.53	248	0.1
2003	June	30	24	21.9	3.5	27.4	4.37	6.48	248	0.1

---------- Month=June STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	25	24.7	0.2	27.5	5.13	6.61	238	0.1
2003	June	30	25	24.7	0.5	27.5	4.91	6.60	238	0.1
2003	June	30	25	24.7	1.0	27.4	4.75	6.57	239	0.1
2003	June	30	25	24.7	1.5	27.4	4.71	6.55	238	0.1
2003	June	30	25	24.7	2.0	27.4	4.69	6.52	239	0.1
2003	June	30	25	24.7	2.5	27.4	4.66	6.52	239	0.1

---------- Month=June STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	June	30	92	12.7	0.2	28.0	6.36	6.79	389	0.2
2003	June	30	92	12.7	0.5	27.9	5.82	6.78	388	0.2
2003	June	30	92	12.7	1.0	27.7	5.11	6.74	329	0.2
2003	June	30	92	12.7	1.5	27.4	4.79	6.63	293	0.1
2003	June	30	92	12.7	2.0	27.2	4.62	6.59	277	0.1
2003	June	30	92	12.7	2.5	27.2	4.55	6.54	268	0.1
2003	June	30	92	12.7	3.0	27.2	4.50	6.51	268	0.1

Month=July STATION=9

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	9	-2.4	0.2	29.2	7.38	7.91	28609	17.6
2003	July	29	9	-2.4	0.5	29.4	6.84	7.87	29406	18.0
2003	July	29	9	-2.4	1.0	29.5	6.63	7.85	30257	18.7
2003	July	29	9	-2.4	1.5	29.7	5.19	7.74	34154	21.4
2003	July	29	9	-2.4	2.0	28.7	4.77	7.69	35899	22.7
2003	July	29	9	-2.4	2.5	29.6	3.70	7.62	37416	24.1
2003	July	29	9	-2.4	3.0	29.9	2.58	7.55	40936	26.3
2003	July	29	9	-2.4	3.5	29.9	2.04	7.50	42015	27.0
2003	July	29	9	-2.4	4.0	29.9	0.58	7.41	45913	29.9

Month=July STATION=10

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	10	6.6	0.2	29.7	6.81	7.65	13587	7.7
2003	July	29	10	6.6	0.5	29.6	5.70	7.61	18357	10.8
2003	July	29	10	6.6	1.0	30.0	3.61	7.52	27362	17.1
2003	July	29	10	6.6	1.5	30.1	3.42	7.60	32592	20.4
2003	July	29	10	6.6	2.0	30.2	1.68	7.45	35033	22.0
2003	July	29	10	6.6	2.5	30.2	1.55	7.44	35112	22.1

Month=July STATION=11

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	11	10.5	0.2	30.4	6.84	7.45	3944	2.2
2003	July	29	11	10.5	0.5	30.2	6.48	7.40	4280	2.4
2003	July	29	11	10.5	1.0	29.8	5.84	7.34	6878	3.8
2003	July	29	11	10.5	1.5	29.8	5.49	7.37	10231	5.9
2003	July	29	11	10.5	2.0	30.2	4.45	7.42	18940	11.4
2003	July	29	11	10.5	2.5	30.3	4.34	7.43	19873	11.8
2003	July	29	11	10.5	3.0	30.3	4.31	7.43	20511	12.2
2003	July	29	11	10.5	3.5	30.3	4.22	7.44	20626	12.3

---------- Month=July STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	12	15.5	0.2	29.8	6.02	7.10	445	0.2
2003	July	29	12	15.5	0.5	29.5	5.69	7.06	449	0.2
2003	July	29	12	15.5	1.0	29.1	5.54	7.03	457	0.2
2003	July	29	12	15.5	1.5	29.1	5.54	7.02	456	0.2
2003	July	29	12	15.5	2.0	29.1	5.50	7.01	454	0.2
2003	July	29	12	15.5	2.5	29.1	5.41	6.99	455	0.2

---------- Month=July STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	13	20.1	0.2	29.4	5.79	7.01	394	0.2
2003	July	29	13	20.1	0.5	29.0	5.77	6.99	393	0.2
2003	July	29	13	20.1	1.0	28.9	5.68	6.97	393	0.2
2003	July	29	13	20.1	1.5	28.9	5.64	6.96	394	0.2
2003	July	29	13	20.1	2.0	28.9	5.60	6.95	394	0.2
2003	July	29	13	20.1	2.5	28.7	5.52	6.94	395	0.2
2003	July	29	13	20.1	3.0	28.7	5.52	6.92	394	0.2
2003	July	29	13	20.1	3.5	28.6	5.39	6.91	394	0.2

---------- Month=July STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	14	23.6	0.2	30.7	6.88	7.13	382	0.2
2003	July	29	14	23.6	0.5	29.0	6.26	7.04	381	0.2
2003	July	29	14	23.6	1.0	28.8	6.10	7.02	381	0.2
2003	July	29	14	23.6	1.5	28.5	5.98	7.00	381	0.2
2003	July	29	14	23.6	2.0	28.4	5.99	6.98	382	0.2
2003	July	29	14	23.6	2.5	28.3	5.98	6.96	382	0.2
2003	July	29	14	23.6	3.0	28.3	5.92	6.94	382	0.2

---------- Month=July STATION=14 ----------
(continued)

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	14	23.6	3.5	28.3	6.02	6.93	382	0.2
2003	July	29	14	23.6	4.0	28.3	5.99	6.92	383	0.2
2003	July	29	14	23.6	4.5	28.3	5.92	6.93	382	0.2

---------- Month=July STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	15	25.9	0.2	30.8	6.91	7.17	377	0.2
2003	July	29	15	25.9	0.5	28.7	6.84	7.08	377	0.2
2003	July	29	15	25.9	1.0	28.5	6.66	7.06	376	0.2
2003	July	29	15	25.9	1.5	28.4	6.62	7.05	376	0.2
2003	July	29	15	25.9	2.0	28.3	6.61	7.04	376	0.2

---------- Month=July STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	17	29.5	0.2	29.0	6.75	7.10	375	0.2
2003	July	29	17	29.5	0.5	28.9	6.70	7.07	376	0.2
2003	July	29	17	29.5	1.0	28.8	6.62	7.05	376	0.2
2003	July	29	17	29.5	1.5	28.7	6.58	7.04	377	0.2
2003	July	29	17	29.5	2.0	28.6	6.62	7.06	377	0.2
2003	July	29	17	29.5	2.5	28.6	6.57	7.02	377	0.2
2003	July	29	17	29.5	3.0	28.6	6.59	7.01	377	0.2
2003	July	29	17	29.5	3.5	28.6	6.57	7.00	377	0.2

---------- Month=July STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	18	30.4	0.2	28.9	6.93	7.10	375	0.2
2003	July	29	18	30.4	0.5	28.6	6.83	7.08	376	0.2
2003	July	29	18	30.4	1.0	28.6	6.74	7.05	377	0.2
2003	July	29	18	30.4	1.5	28.6	6.82	7.04	377	0.2
2003	July	29	18	30.4	2.0	28.6	6.80	7.03	377	0.2
2003	July	29	18	30.4	2.5	28.5	6.72	7.02	377	0.2
2003	July	29	18	30.4	3.0	28.5	6.75	7.02	377	0.2
2003	July	29	18	30.4	3.5	28.5	6.72	7.01	377	0.2
2003	July	29	18	30.4	4.0	28.5	6.61	7.00	377	0.2

---------- Month=July STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	19	32.3	0.2	28.8	7.38	7.16	373	0.2
2003	July	29	19	32.3	0.5	28.8	7.16	7.11	373	0.2
2003	July	29	19	32.3	1.0	28.8	7.09	7.09	373	0.2
2003	July	29	19	32.3	1.5	28.8	6.98	7.09	374	0.2
2003	July	29	19	32.3	2.0	28.8	6.97	7.08	374	0.2
2003	July	29	19	32.3	2.5	28.8	6.93	7.07	374	0.2
2003	July	29	19	32.3	3.0	28.8	6.96	7.06	375	0.2

---------- Month=July STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	21	8.4	0.2	29.8	6.89	7.48	5877	3.4
2003	July	29	21	8.4	0.5	29.8	6.02	7.47	11331	6.4
2003	July	29	21	8.4	1.0	29.8	5.33	7.57	19001	11.5
2003	July	29	21	8.4	1.5	30.1	4.44	7.55	22965	14.3
2003	July	29	21	8.4	2.0	30.1	4.02	7.52	24444	14.8

---------- Month=July STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	22	12.8	0.2	31.2	6.95	7.26	674	0.4
2003	July	29	22	12.8	0.5	29.6	6.11	7.18	707	0.4
2003	July	29	22	12.8	1.0	29.2	5.70	7.12	805	0.4
2003	July	29	22	12.8	1.5	29.1	5.74	7.11	806	0.4
2003	July	29	22	12.8	2.0	29.1	5.60	7.09	804	0.4
2003	July	29	22	12.8	2.5	29.0	5.66	7.08	805	0.4
2003	July	29	22	12.8	3.0	29.0	5.66	7.07	805	0.4
2003	July	29	22	12.8	3.5	29.0	5.62	7.06	804	0.4

---------- Month=July STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	23	17.5	0.2	30.0	6.63	7.12	407	0.2
2003	July	29	23	17.5	0.5	30.0	6.50	7.10	408	0.2
2003	July	29	23	17.5	1.0	28.9	5.73	7.00	406	0.2
2003	July	29	23	17.5	1.5	28.8	5.68	6.97	404	0.2
2003	July	29	23	17.5	2.0	28.8	5.60	6.96	404	0.2

---------- Month=July STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	24	21.9	0.2	29.8	6.70	7.11	383	0.2
2003	July	29	24	21.9	0.5	29.9	6.51	7.07	383	0.2
2003	July	29	24	21.9	1.0	29.3	6.26	7.05	382	0.2
2003	July	29	24	21.9	1.5	28.8	6.18	7.02	382	0.2
2003	July	29	24	21.9	2.0	28.7	6.09	7.01	382	0.2
2003	July	29	24	21.9	2.5	28.7	6.11	7.00	382	0.2
2003	July	29	24	21.9	3.0	27.7	6.09	6.99	383	0.2

---------- Month=July STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	25	24.7	0.2	30.0	6.98	7.15	377	0.2
2003	July	29	25	24.7	0.5	30.0	6.75	7.10	376	0.2
2003	July	29	25	24.7	1.0	29.2	6.61	7.06	375	0.2
2003	July	29	25	24.7	1.5	28.6	6.58	7.04	377	0.2
2003	July	29	25	24.7	2.0	28.5	6.58	7.02	376	0.2
2003	July	29	25	24.7	2.5	28.3	6.47	7.01	377	0.2
2003	July	29	25	24.7	3.0	28.3	6.45	6.99	378	0.2

---------- Month=July STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	July	29	92	12.7	0.2	31.0	6.65	7.39	993	0.5
2003	July	29	92	12.7	0.5	29.8	6.08	7.28	1001	0.5
2003	July	29	92	12.7	1.0	29.2	5.75	7.24	1000	0.5
2003	July	29	92	12.7	1.5	29.1	5.58	7.22	981	0.5
2003	July	29	92	12.7	2.0	29.1	5.50	7.21	957	0.5
2003	July	29	92	12.7	2.5	29.0	5.55	7.20	955	0.5
2003	July	29	92	12.7	3.0	29.0	5.49	7.19	980	0.5
2003	July	29	92	12.7	3.5	29.0	5.47	7.17	983	0.5

---------- Month=August STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	9	-2.4	0.2	28.5	7.34	7.47	12801	7.4
2003	August	26	9	-2.4	0.5	28.5	7.32	7.44	12807	7.4
2003	August	26	9	-2.4	1.0	28.3	7.16	7.42	12828	7.4
2003	August	26	9	-2.4	1.5	28.6	0.99	7.25	40692	26.3
2003	August	26	9	-2.4	2.0	29.1	0.38	7.29	44075	28.5
2003	August	26	9	-2.4	2.5	29.1	1.58	7.46	45486	29.1
2003	August	26	9	-2.4	3.0	29.1	1.86	7.51	46104	30.0
2003	August	26	9	-2.4	3.5	29.1	0.39	7.39	48102	31.4

---------- Month=August STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	10	6.6	0.2	27.9	6.37	7.26	2028	1.1
2003	August	26	10	6.6	0.5	27.7	5.66	6.99	2787	1.8
2003	August	26	10	6.6	1.0	28.5	2.13	7.09	24435	15.2
2003	August	26	10	6.6	1.5	28.8	1.20	7.10	33090	20.1
2003	August	26	10	6.6	2.0	29.0	0.32	7.22	42894	27.6
2003	August	26	10	6.6	2.5	29.1	0.23	7.25	43873	28.3

---------- Month=August STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	11	10.5	0.2	27.4	5.81	6.91	353	0.2
2003	August	26	11	10.5	0.5	27.4	5.56	6.89	357	0.2
2003	August	26	11	10.5	1.0	27.3	5.31	6.83	339	0.2
2003	August	26	11	10.5	1.5	27.2	5.41	6.81	341	0.2
2003	August	26	11	10.5	2.0	27.2	5.20	6.81	340	0.2
2003	August	26	11	10.5	2.5	27.0	5.19	6.79	338	0.2
2003	August	26	11	10.5	3.0	27.0	5.16	6.78	338	0.2

Month=August STATION=12

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	12	15.5	0.2	27.3	5.66	6.74	299	0.1
2003	August	26	12	15.5	0.5	27.1	5.24	6.69	301	0.2
2003	August	26	12	15.5	1.0	27.0	5.14	6.67	302	0.2
2003	August	26	12	15.5	1.5	26.9	5.03	6.66	298	0.1
2003	August	26	12	15.5	2.0	26.9	4.89	6.64	297	0.1
2003	August	26	12	15.5	2.5	26.8	4.83	6.63	297	0.1
2003	August	26	12	15.5	3.0	26.8	4.81	6.63	296	0.1

Month=August STATION=13

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	13	20.1	0.2	27.6	5.62	6.79	291	0.1
2003	August	26	13	20.1	0.5	27.3	5.23	6.70	290	0.1
2003	August	26	13	20.1	1.0	27.1	5.23	6.67	291	0.1
2003	August	26	13	20.1	1.5	27.1	5.19	6.67	291	0.1
2003	August	26	13	20.1	2.0	27.1	5.16	6.67	291	0.1
2003	August	26	13	20.1	2.5	27.1	5.11	6.66	291	0.1
2003	August	26	13	20.1	3.0	27.1	5.15	6.66	291	0.1

Month=August STATION=14

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	14	23.6	0.2	27.5	5.65	6.74	290	0.1
2003	August	26	14	23.6	0.5	27.3	5.36	6.67	291	0.1
2003	August	26	14	23.6	1.0	27.2	5.27	6.65	291	0.1
2003	August	26	14	23.6	1.5	27.3	5.13	6.64	292	0.1
2003	August	26	14	23.6	2.0	27.2	5.08	6.63	292	0.1
2003	August	26	14	23.6	2.5	27.2	5.01	6.63	292	0.1
2003	August	26	14	23.6	3.0	27.2	5.04	6.62	292	0.1
2003	August	26	14	23.6	3.5	27.2	5.01	6.61	292	0.1
2003	August	26	14	23.6	4.0	27.2	4.95	6.62	292	0.1

---------- Month=August STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	15	25.9	0.2	27.3	5.59	6.72	291	0.1
2003	August	26	15	25.9	0.5	27.3	5.43	6.65	291	0.1
2003	August	26	15	25.9	1.0	27.2	5.31	6.66	290	0.1
2003	August	26	15	25.9	1.5	27.2	5.26	6.63	290	0.1
2003	August	26	15	25.9	2.0	27.2	5.06	6.65	290	0.1

---------- Month=August STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	17	29.5	0.2	27.2	5.05	6.66	279	0.1
2003	August	26	17	29.5	0.5	27.2	4.91	6.60	279	0.1
2003	August	26	17	29.5	1.0	27.2	4.79	6.59	278	0.1
2003	August	26	17	29.5	1.5	27.1	4.81	6.58	279	0.1
2003	August	26	17	29.5	2.0	27.1	4.75	6.56	278	0.1

---------- Month=August STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	18	30.4	0.2	27.1	5.84	6.67	290	0.1
2003	August	26	18	30.4	0.5	27.0	5.64	6.67	294	0.1
2003	August	26	18	30.4	1.0	27.1	5.55	6.68	293	0.1
2003	August	26	18	30.4	1.5	27.1	5.35	6.63	283	0.1
2003	August	26	18	30.4	2.0	27.1	4.99	6.55	271	0.1
2003	August	26	18	30.4	2.5	27.0	4.83	6.53	265	0.1

---------- Month=August STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	19	32.3	0.2	27.4	5.97	6.78	294	0.1
2003	August	26	19	32.3	0.5	27.3	5.77	6.73	295	0.1
2003	August	26	19	32.3	1.0	27.3	5.77	6.70	295	0.1
2003	August	26	19	32.3	1.5	27.3	5.78	6.68	294	0.1
2003	August	26	19	32.3	2.0	27.3	5.72	6.67	294	0.1

---------- Month=August STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	21	8.4	0.2	27.8	6.05	7.04	419	0.2
2003	August	26	21	8.4	0.5	27.8	5.97	7.02	516	0.3
2003	August	26	21	8.4	1.0	27.6	5.81	6.97	689	0.4
2003	August	26	21	8.4	1.5	27.4	5.58	6.90	1881	1.0
2003	August	26	21	8.4	2.0	28.8	3.15	6.99	17987	10.6

---------- Month=August STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	22	12.8	0.2	27.5	5.12	6.75	296	0.1
2003	August	26	22	12.8	0.5	27.4	4.92	6.69	294	0.1
2003	August	26	22	12.8	1.0	27.0	4.84	6.66	293	0.1
2003	August	26	22	12.8	1.5	26.9	4.75	6.66	294	0.1
2003	August	26	22	12.8	2.0	26.9	4.75	6.64	294	0.1
2003	August	26	22	12.8	2.5	26.8	4.72	6.63	294	0.1
2003	August	26	22	12.8	3.0	26.8	4.65	6.63	295	0.1
2003	August	26	22	12.8	3.5	26.8	4.66	6.63	295	0.1

---------- Month=August STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	23	17.5	0.2	27.6	5.49	6.74	291	0.1
2003	August	26	23	17.5	0.5	27.5	5.45	6.69	292	0.1
2003	August	26	23	17.5	1.0	27.3	5.28	6.67	292	0.1
2003	August	26	23	17.5	1.5	27.2	5.25	6.66	293	0.1

---------- Month=August STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	24	21.9	0.2	27.4	5.29	6.69	291	0.1
2003	August	26	24	21.9	0.5	27.3	5.20	6.67	292	0.1
2003	August	26	24	21.9	1.0	27.2	5.19	6.64	291	0.1
2003	August	26	24	21.9	1.5	27.1	5.17	6.64	290	0.1
2003	August	26	24	21.9	2.0	27.1	5.13	6.64	291	0.1
2003	August	26	24	21.9	2.5	27.1	5.17	6.63	291	0.1
2003	August	26	24	21.9	3.0	27.1	5.05	6.62	291	0.1

---------- Month=August STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	25	24.7	0.2	27.4	5.50	6.70	289	0.1
2003	August	26	25	24.7	0.5	27.3	5.36	6.64	289	0.1
2003	August	26	25	24.7	1.0	27.3	5.29	6.64	289	0.1
2003	August	26	25	24.7	1.5	27.3	5.26	6.64	290	0.1
2003	August	26	25	24.7	2.0	27.3	5.23	6.62	291	0.1
2003	August	26	25	24.7	2.5	27.3	5.18	6.63	290	0.1
2003	August	26	25	24.7	3.0	27.3	5.20	6.62	290	0.1

---------- Month=August STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	August	26	92	12.7	0.2	28.3	5.81	6.98	538	0.3
2003	August	26	92	12.7	0.5	28.1	5.60	6.95	499	0.3
2003	August	26	92	12.7	1.0	27.9	5.51	6.93	474	0.2
2003	August	26	92	12.7	1.5	27.8	5.43	6.90	457	0.2
2003	August	26	92	12.7	2.0	27.4	5.24	6.84	421	0.2
2003	August	26	92	12.7	2.5	27.2	4.94	6.76	362	0.2
2003	August	26	92	12.7	3.0	27.1	4.83	6.74	348	0.2
2003	August	26	92	12.7	3.5	27.0	4.79	6.72	339	0.2

---------- Month=September STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	9	-2.4	0.2	29.0	9.18	8.25	27345	16.7
2003	September	23	9	-2.4	0.5	28.9	9.19	8.06	27301	16.7
2003	September	23	9	-2.4	1.0	28.9	7.67	7.94	27394	16.8
2003	September	23	9	-2.4	1.5	28.9	6.88	7.95	27596	16.9
2003	September	23	9	-2.4	2.0	28.9	6.74	7.97	27810	17.1
2003	September	23	9	-2.4	2.5	29.2	1.32	7.47	39094	24.9
2003	September	23	9	-2.4	3.0	29.2	1.37	7.54	40292	25.8
2003	September	23	9	-2.4	3.5	29.1	0.78	7.49	40689	26.0
2003	September	23	9	-2.4	4.0	29.1	0.64	7.51	41375	26.6
2003	September	23	9	-2.4	4.5	29.1	0.61	7.51	41612	26.7

---------- Month=September STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	10	6.6	0.2	29.2	4.95	7.58	24138	14.6
2003	September	23	10	6.6	0.5	29.1	4.78	7.58	24997	15.2
2003	September	23	10	6.6	1.0	29.1	4.89	7.62	26017	15.9
2003	September	23	10	6.6	1.5	29.1	4.85	7.62	26089	15.9
2003	September	23	10	6.6	2.0	29.1	3.81	7.54	28182	17.4
2003	September	23	10	6.6	2.5	29.3	2.08	7.44	33240	20.0
2003	September	23	10	6.6	3.0	29.3	1.10	7.44	36786	23.3

---------- Month=September STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	11	10.5	0.2	29.7	5.05	7.34	123370	7.1
2003	September	23	11	10.5	0.5	29.6	4.69	7.32	14717	8.3
2003	September	23	11	10.5	1.0	29.4	4.32	7.39	19608	11.4
2003	September	23	11	10.5	1.5	29.4	4.12	7.40	22197	13.1
2003	September	23	11	10.5	2.0	29.4	3.94	7.40	22617	13.6
2003	September	23	11	10.5	2.5	29.4	3.86	7.40	22456	13.5
2003	September	23	11	10.5	3.0	29.4	3.80	7.40	22955	13.9
2003	September	23	11	10.5	3.5	29.4	3.80	7.40	23009	13.9
2003	September	23	11	10.5	4.0	29.4	3.70	7.40	23052	13.9

---------- Month=September STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	12	15.5	0.2	29.6	4.76	7.09	2264	1.1
2003	September	23	12	15.5	0.5	29.4	4.68	7.07	2943	1.6
2003	September	23	12	15.5	1.0	29.2	4.57	7.06	3259	1.7
2003	September	23	12	15.5	1.5	29.1	4.44	7.03	4286	2.3
2003	September	23	12	15.5	2.0	28.7	4.23	7.03	4881	2.6
2003	September	23	12	15.5	2.5	28.7	4.21	7.02	5025	2.8

---------- Month=September STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	13	20.1	0.2	28.6	4.00	6.96	274	0.1
2003	September	23	13	20.1	0.5	28.6	3.95	6.93	274	0.1
2003	September	23	13	20.1	1.0	28.6	3.84	6.92	274	0.1
2003	September	23	13	20.1	1.5	28.6	3.83	6.92	273	0.1
2003	September	23	13	20.1	2.0	28.6	3.81	6.92	273	0.1
2003	September	23	13	20.1	2.5	28.5	3.77	6.91	271	0.1
2003	September	23	13	20.1	3.0	28.5	3.83	6.91	270	0.1

---------- Month=September STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	14	23.6	0.2	28.3	4.14	6.94	247	0.1
2003	September	23	14	23.6	0.5	28.4	4.01	6.90	248	0.1
2003	September	23	14	23.6	1.0	28.5	3.90	6.89	247	0.1
2003	September	23	14	23.6	1.5	28.5	3.90	6.88	248	0.1
2003	September	23	14	23.6	2.0	28.4	3.88	6.88	248	0.1
2003	September	23	14	23.6	2.5	28.4	3.84	6.88	248	0.1
2003	September	23	14	23.6	3.0	28.4	3.84	6.88	248	0.1
2003	September	23	14	23.6	3.5	28.4	3.81	6.87	248	0.1

---------- Month=September STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	15	25.9	0.2	28.4	4.40	6.97	251	0.1
2003	September	23	15	25.9	0.5	28.4	4.18	6.94	251	0.1
2003	September	23	15	25.9	1.0	28.1	4.11	6.92	251	0.1

---------- Month=September STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	17	29.5	0.2	28.7	4.93	7.03	256	0.1
2003	September	23	17	29.5	0.5	28.5	4.62	6.98	256	0.1
2003	September	23	17	29.5	1.0	28.1	4.51	6.97	256	0.1
2003	September	23	17	29.5	1.5	28.0	4.54	6.96	257	0.1
2003	September	23	17	29.5	2.0	28.0	4.55	6.96	257	0.1

---------- Month=September STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	18	30.4	0.2	28.3	4.82	7.00	258	0.1
2003	September	23	18	30.4	0.5	28.2	4.76	6.99	259	0.1
2003	September	23	18	30.4	1.0	28.1	4.67	6.98	259	0.1
2003	September	23	18	30.4	1.5	28.0	4.62	6.97	259	0.1

---------- Month=September STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	19	32.3	0.2	28.2	4.89	7.01	260	0.1
2003	September	23	19	32.3	0.5	28.2	4.85	7.00	260	0.1
2003	September	23	19	32.3	1.0	28.2	4.91	6.99	260	0.1
2003	September	23	19	32.3	1.5	28.2	4.86	6.99	260	0.1

---------- Month=September STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	21	8.4	0.2	28.9	5.28	7.43	15417	9.0
2003	September	23	21	8.4	0.5	29.0	5.04	7.52	20930	12.5
2003	September	23	21	8.4	1.0	29.1	4.57	7.55	25022	15.2
2003	September	23	21	8.4	1.5	29.0	4.30	7.54	25378	15.4
2003	September	23	21	8.4	2.0	29.0	4.21	7.54	25508	15.5

---------- Month=September STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	22	12.8	0.2	28.8	4.44	7.11	4357	2.4
2003	September	23	22	12.8	0.5	28.7	4.35	7.10	5384	3.1
2003	September	23	22	12.8	1.0	28.7	4.27	7.08	6068	3.3
2003	September	23	22	12.8	1.5	28.7	4.29	7.08	6560	3.8
2003	September	23	22	12.8	2.0	28.6	4.28	7.09	7547	4.2
2003	September	23	22	12.8	2.5	28.6	4.17	7.09	7550	4.2

---------- Month=September STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	23	17.5	0.2	29.0	4.41	7.06	634	0.3
2003	September	23	23	17.5	0.5	28.9	4.24	7.01	660	0.3
2003	September	23	23	17.5	1.0	28.8	4.17	6.99	668	0.4
2003	September	23	23	17.5	1.5	28.7	4.10	6.98	679	0.4
2003	September	23	23	17.5	2.0	28.7	4.07	6.98	684	0.4

---------- Month=September STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	24	21.9	0.2	28.5	3.86	6.94	246	0.1
2003	September	23	24	21.9	0.5	28.4	3.76	6.88	246	0.1
2003	September	23	24	21.9	1.0	28.3	3.68	6.87	246	0.1
2003	September	23	24	21.9	1.5	28.3	3.69	6.86	246	0.1

---------- Month=September STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	25	24.7	0.2	28.4	3.98	6.92	248	0.1
2003	September	23	25	24.7	0.5	28.4	3.82	6.88	248	0.1
2003	September	23	25	24.7	1.0	28.4	3.82	6.87	248	0.1
2003	September	23	25	24.7	1.5	28.4	3.82	6.87	248	0.1
2003	September	23	25	24.7	2.0	28.4	3.74	6.87	248	0.1

---------- Month=September STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	September	23	92	12.7	0.2	30.2	4.78	7.22	8055	4.2
2003	September	23	92	12.7	0.5	29.7	4.70	7.23	8458	5.7
2003	September	23	92	12.7	1.0	29.4	4.55	7.22	10121	5.8
2003	September	23	92	12.7	1.5	29.3	4.58	7.23	10387	6.0
2003	September	23	92	12.7	2.0	28.2	4.59	7.23	10624	6.0
2003	September	23	92	12.7	2.5	29.2	4.38	7.22	12330	7.2
2003	September	23	92	12.7	3.0	29.1	3.98	7.22	14112	7.2

---------- Month=October STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	9	-2.4	0.2	25.3	9.21	7.98	32794	20.5
2003	October	21	9	-2.4	0.5	25.3	9.11	7.98	32783	20.5
2003	October	21	9	-2.4	1.0	25.3	8.94	7.98	32834	20.5
2003	October	21	9	-2.4	1.5	25.3	8.72	7.98	33032	20.7
2003	October	21	9	-2.4	2.0	25.4	8.63	7.98	33414	21.1
2003	October	21	9	-2.4	2.5	25.6	8.47	8.00	34641	21.8
2003	October	21	9	-2.4	3.0	26.2	4.91	7.78	40206	25.7
2003	October	21	9	-2.4	3.5	26.3	4.59	7.76	40473	25.9
2003	October	21	9	-2.4	4.0	26.3	4.44	7.76	40529	26.0

---------- Month=October STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	10	6.6	0.2	25.8	8.85	7.99	33351	20.9
2003	October	21	10	6.6	0.5	25.7	8.81	7.99	33346	20.9
2003	October	21	10	6.6	1.0	25.6	8.64	7.98	33329	20.9
2003	October	21	10	6.6	1.5	25.5	8.54	7.97	33339	20.9
2003	October	21	10	6.6	2.0	25.8	5.50	7.78	36453	22.9
2003	October	21	10	6.6	2.5	26.2	3.86	7.65	38632	24.6

---------- Month=October STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	11	10.5	0.2	26.0	10.51	8.09	24433	14.8
2003	October	21	11	10.5	0.5	26.0	10.34	8.07	24628	14.9
2003	October	21	11	10.5	1.0	25.8	9.67	8.01	25104	15.2
2003	October	21	11	10.5	1.5	26.2	6.91	7.83	32190	20.0
2003	October	21	11	10.5	2.0	26.2	6.65	7.83	32250	20.1

---------- Month=October STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	12	15.5	0.2	26.7	9.37	7.74	12348	6.9
2003	October	21	12	15.5	0.5	26.5	9.36	7.77	13647	7.9
2003	October	21	12	15.5	1.0	25.9	7.49	7.58	18174	10.7
2003	October	21	12	15.5	1.5	26.0	7.04	7.55	18542	11.0
2003	October	21	12	15.5	2.0	26.0	6.61	7.50	18779	11.1
2003	October	21	12	15.5	2.5	26.0	6.29	7.45	19100	11.3

---------- Month=October STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	13	20.1	0.2	27.3	8.67	7.50	5052	2.8
2003	October	21	13	20.1	0.5	27.0	7.97	7.40	6293	3.4
2003	October	21	13	20.1	1.0	26.4	7.76	7.37	6625	3.7
2003	October	21	13	20.1	1.5	26.3	7.18	7.31	8340	4.8
2003	October	21	13	20.1	2.0	26.3	6.77	7.29	9880	5.6
2003	October	21	13	20.1	2.5	26.4	6.69	7.29	10515	6.0
2003	October	21	13	20.1	3.0	26.4	6.64	7.28	10919	6.2
2003	October	21	13	20.1	3.5	26.5	6.48	7.28	11321	6.5
2003	October	21	13	20.1	4.0	26.5	6.45	7.28	11442	6.5
2003	October	21	13	20.1	4.5	26.5	6.44	7.28	11446	6.5

---------- Month=October STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	14	23.6	0.2	26.6	9.33	7.58	316	0.2
2003	October	21	14	23.6	0.5	26.0	9.07	7.51	312	0.2
2003	October	21	14	23.6	1.0	25.4	8.57	7.43	311	0.2
2003	October	21	14	23.6	1.5	25.4	8.51	7.41	313	0.2
2003	October	21	14	23.6	2.0	25.3	8.46	7.40	313	0.2
2003	October	21	14	23.6	2.5	25.3	8.47	7.38	314	0.2
2003	October	21	14	23.6	3.0	25.3	8.27	7.39	314	0.2
2003	October	21	14	23.6	3.5	25.2	8.32	7.39	314	0.2
2003	October	21	14	23.6	4.0	25.2	8.34	7.38	314	0.2

---------- Month=October STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	15	25.9	0.2	28.5	10.37	7.74	300	0.2
2003	October	21	15	25.9	0.5	27.8	9.84	7.61	301	0.1
2003	October	21	15	25.9	1.0	24.9	8.93	7.42	299	0.1
2003	October	21	15	25.9	2.0	24.9	8.74	7.39	299	0.1

---------- Month=October STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	17	29.5	0.2	26.8	10.59	7.70	301	0.2
2003	October	21	17	29.5	0.5	26.6	10.54	7.69	302	0.2
2003	October	21	17	29.5	1.0	26.2	10.46	7.64	301	0.2
2003	October	21	17	29.5	1.5	26.0	10.28	7.59	301	0.2
2003	October	21	17	29.5	2.0	24.7	9.03	7.42	302	0.2
2003	October	21	17	29.5	2.5	24.5	8.58	7.36	302	0.2
2003	October	21	17	29.5	3.0	24.5	8.36	7.33	302	0.2
2003	October	21	17	29.5	3.5	24.4	8.29	7.32	302	0.2
2003	October	21	17	29.5	4.0	24.4	8.16	7.31	302	0.2

The SAS System

---------- Month=October STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	18	30.4	0.2	24.9	9.47	7.47	303	0.2
2003	October	21	18	30.4	0.5	25.0	9.58	7.44	302	0.2
2003	October	21	18	30.4	1.0	25.0	9.40	7.42	301	0.2
2003	October	21	18	30.4	1.5	24.8	9.23	7.39	301	0.2
2003	October	21	18	30.4	2.0	24.5	8.70	7.34	301	0.2
2003	October	21	18	30.4	2.5	24.3	8.27	7.29	301	0.2
2003	October	21	18	30.4	3.0	24.3	8.11	7.27	301	0.2
2003	October	21	18	30.4	3.5	24.3	8.06	7.27	302	0.2
2003	October	21	18	30.4	4.0	24.3	8.00	7.27	301	0.2
2003	October	21	18	30.4	4.5	24.3	7.88	7.26	302	0.2

---------- Month=October STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	19	32.3	0.2	25.5	10.30	7.52	304	0.2
2003	October	21	19	32.3	0.5	25.4	10.13	7.49	305	0.2
2003	October	21	19	32.3	1.0	25.2	9.91	7.46	305	0.2
2003	October	21	19	32.3	1.5	25.2	9.82	7.45	305	0.2
2003	October	21	19	32.3	2.0	25.2	9.75	7.45	305	0.2

---------- Month=October STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	21	8.4	0.2	26.0	10.40	8.09	29514	17.9
2003	October	21	21	8.4	0.5	26.0	9.94	8.09	30019	19.7
2003	October	21	21	8.4	1.0	26.1	6.97	7.88	34417	21.7
2003	October	21	21	8.4	1.5	26.1	6.05	7.79	35307	22.3
2003	October	21	21	8.4	2.0	26.1	5.77	7.78	35400	22.3

---------- Month=October STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	22	12.8	0.2	26.7	10.22	8.01	21186	12.7
2003	October	21	22	12.8	0.5	26.7	10.00	7.99	21793	13.1
2003	October	21	22	12.8	1.0	26.3	8.75	7.87	23444	14.1
2003	October	21	22	12.8	1.5	26.2	6.88	7.73	26956	16.2
2003	October	21	22	12.8	2.0	26.2	6.64	7.72	27519	16.9
2003	October	21	22	12.8	2.5	26.3	8.26	7.94	29064	18.0
2003	October	21	22	12.8	3.0	26.4	8.25	7.95	29310	18.1
2003	October	21	22	12.8	3.5	26.4	8.07	7.94	29497	18.1
2003	October	21	22	12.8	4.0	26.4	7.77	7.90	29704	18.3

---------- Month=October STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	23	17.5	0.2	26.9	8.68	7.53	7584	4.2
2003	October	21	23	17.5	0.5	26.9	8.54	7.51	8091	4.5
2003	October	21	23	17.5	1.0	26.2	7.94	7.46	11443	6.8
2003	October	21	23	17.5	1.5	26.2	7.48	7.47	15246	8.8
2003	October	21	23	17.5	2.0	26.3	7.18	7.46	15906	9.4

---------- Month=October STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	24	21.9	0.2	26.4	8.92	7.58	752	0.2
2003	October	21	24	21.9	0.5	26.4	8.71	7.47	1146	0.6
2003	October	21	24	21.9	1.0	26.3	8.60	7.47	1399	0.7
2003	October	21	24	21.9	1.5	26.1	8.50	7.44	1550	0.8
2003	October	21	24	21.9	2.0	26.0	8.49	7.42	1596	0.9
2003	October	21	24	21.9	2.5	26.0	8.35	7.39	1814	1.0
2003	October	21	24	21.9	3.0	25.9	8.30	7.37	1842	1.0

---------- Month=October STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	25	24.7	0.2	26.6	9.58	7.54	305	0.2
2003	October	21	25	24.7	0.5	26.7	9.62	7.52	305	0.2
2003	October	21	25	24.7	1.0	26.1	9.30	7.50	304	0.2
2003	October	21	25	24.7	1.5	25.5	8.92	7.42	304	0.2
2003	October	21	25	24.7	2.0	25.3	8.76	7.39	303	0.2
2003	October	21	25	24.7	2.5	25.2	8.73	7.40	303	0.2
2003	October	21	25	24.7	3.0	25.2	8.73	7.39	302	0.2

---------- Month=October STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	October	21	92	12.7	0.2	25.3	8.29	7.41	13629	7.9
2003	October	21	92	12.7	0.5	25.2	8.09	7.41	13852	8.0
2003	October	21	92	12.7	1.0	25.3	7.69	7.44	15816	9.5
2003	October	21	92	12.7	1.5	25.4	7.19	7.43	18507	10.9
2003	October	21	92	12.7	2.0	25.8	6.90	7.46	21132	12.8
2003	October	21	92	12.7	2.5	26.1	6.38	7.48	24431	14.6
2003	October	21	92	12.7	3.0	26.2	6.25	7.49	24667	14.9
2003	October	21	92	12.7	3.5	26.2	6.23	7.50	24714	15.0

---------- Month=November STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	9	-2.4	0.2	22.5	8.29	7.75	38592	24.6
2003	November	20	9	-2.4	0.5	22.5	8.09	7.81	38578	24.6
2003	November	20	9	-2.4	1.0	22.6	7.93	7.89	38592	24.6
2003	November	20	9	-2.4	1.5	22.6	7.93	7.92	38593	24.6
2003	November	20	9	-2.4	2.0	22.6	7.91	7.94	38601	24.6
2003	November	20	9	-2.4	2.5	22.6	7.80	7.95	38657	24.6
2003	November	20	9	-2.4	3.0	22.7	7.54	7.94	38826	24.7
2003	November	20	9	-2.4	3.5	22.7	7.46	7.94	38881	24.8

---------- Month=November STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	10	6.6	0.2	21.8	8.20	7.77	31208	19.4
2003	November	20	10	6.6	0.5	21.9	7.89	7.79	31246	19.4
2003	November	20	10	6.6	1.0	21.9	7.87	7.80	31264	19.4
2003	November	20	10	6.6	1.5	21.9	7.73	7.80	31290	19.5
2003	November	20	10	6.6	2.0	21.9	7.74	7.80	31309	19.5

---------- Month=November STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	11	10.5	0.2	22.1	8.04	7.61	20322	12.1
2003	November	20	11	10.5	0.5	22.0	7.79	7.62	20372	12.1
2003	November	20	11	10.5	1.0	21.9	7.77	7.62	20532	12.3
2003	November	20	11	10.5	1.5	21.8	7.75	7.63	21224	12.7
2003	November	20	11	10.5	2.0	21.6	7.69	7.63	21356	12.8

---------- Month=November STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	12	15.5	0.2	22.8	7.57	7.45	13026	7.5
2003	November	20	12	15.5	0.5	22.8	7.34	7.45	13022	7.5
2003	November	20	12	15.5	1.0	22.8	7.21	7.45	12959	7.5
2003	November	20	12	15.5	1.5	22.8	6.59	7.40	14805	8.2
2003	November	20	12	15.5	2.0	22.9	6.38	7.40	14847	8.6

---------- Month=November STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	13	20.1	0.2	22.1	7.62	7.52	2330	1.3
2003	November	20	13	20.1	0.5	22.1	7.28	7.49	2344	1.3
2003	November	20	13	20.1	1.0	22.0	7.13	7.47	2614	1.3
2003	November	20	13	20.1	1.5	22.0	7.07	7.45	2968	1.6
2003	November	20	13	20.1	2.0	22.1	6.89	7.43	3288	1.8
2003	November	20	13	20.1	2.5	22.0	6.77	7.37	4458	2.5
2003	November	20	13	20.1	3.0	22.0	6.66	7.35	5290	2.9
2003	November	20	13	20.1	3.5	22.0	6.56	7.33	5977	3.3

---------- Month=November STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	14	23.6	0.2	21.7	7.92	7.58	455	0.2
2003	November	20	14	23.6	0.5	21.8	7.43	7.55	454	0.2
2003	November	20	14	23.6	1.0	21.8	7.34	7.54	454	0.2
2003	November	20	14	23.6	1.5	21.8	7.16	7.53	479	0.2
2003	November	20	14	23.6	2.0	21.7	6.77	7.53	480	0.2
2003	November	20	14	23.6	2.5	21.7	6.98	7.52	471	0.2
2003	November	20	14	23.6	3.0	21.6	7.03	7.52	469	0.2

---------- Month=November STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	15	25.9	0.2	22.3	8.54	7.67	412	0.2
2003	November	20	15	25.9	0.5	22.2	8.10	7.61	412	0.2
2003	November	20	15	25.9	1.0	21.9	7.88	7.59	413	0.2
2003	November	20	15	25.9	1.5	21.9	7.70	7.58	416	0.2

---------- Month=November STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	17	29.5	0.2	21.9	8.03	7.61	411	0.2
2003	November	20	17	29.5	0.5	21.9	7.96	7.60	411	0.2
2003	November	20	17	29.5	1.0	21.8	7.92	7.60	411	0.2
2003	November	20	17	29.5	1.5	21.6	7.75	7.59	410	0.2
2003	November	20	17	29.5	2.0	21.4	7.87	7.58	410	0.2
2003	November	20	17	29.5	2.5	21.4	7.83	7.57	410	0.2
2003	November	20	17	29.5	3.0	21.4	7.73	7.57	410	0.2
2003	November	20	17	29.5	3.5	21.5	7.73	7.57	410	0.2
2003	November	20	17	29.5	4.0	21.5	7.73	7.57	410	0.2

---------- Month=November STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	18	30.4	0.2	21.8	7.95	7.60	407	0.2
2003	November	20	18	30.4	0.5	21.8	7.84	7.57	407	0.2
2003	November	20	18	30.4	1.0	21.9	7.62	7.57	407	0.2
2003	November	20	18	30.4	1.5	21.6	7.54	7.55	407	0.2
2003	November	20	18	30.4	2.0	21.6	7.40	7.54	407	0.2
2003	November	20	18	30.4	2.5	21.5	7.28	7.53	407	0.2
2003	November	20	18	30.4	3.0	21.4	7.34	7.53	407	0.2
2003	November	20	18	30.4	3.5	21.3	7.46	7.53	406	0.2

---------- Month=November STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	19	32.3	0.2	21.8	8.96	7.69	402	0.2
2003	November	20	19	32.3	0.5	21.6	8.61	7.66	402	0.2
2003	November	20	19	32.3	1.0	21.1	8.49	7.64	401	0.2
2003	November	20	19	32.3	1.5	21.1	8.08	7.63	401	0.2
2003	November	20	19	32.3	2.0	21.0	8.45	7.62	401	0.2

---------- Month=November STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	21	8.4	0.2	21.9	7.89	7.75	29095	18.1
2003	November	20	21	8.4	0.5	21.9	7.80	7.75	29149	18.0
2003	November	20	21	8.4	1.0	22.0	7.55	7.74	29496	18.2
2003	November	20	21	8.4	1.5	22.1	7.15	7.73	29766	18.4
2003	November	20	21	8.4	2.0	22.1	7.04	7.73	29771	18.4

---------- Month=November STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	22	12.8	0.2	22.4	7.67	7.49	15222	8.8
2003	November	20	22	12.8	0.5	22.4	7.37	7.49	15196	9.1
2003	November	20	22	12.8	1.0	22.5	7.21	7.50	16313	9.5
2003	November	20	22	12.8	1.5	22.3	7.19	7.51	16639	9.7
2003	November	20	22	12.8	2.0	22.1	7.46	7.54	16776	9.9
2003	November	20	22	12.8	2.5	21.8	6.98	7.52	20007	11.9
2003	November	20	22	12.8	3.0	21.8	6.92	7.51	19961	11.9

---------- Month=November STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	23	17.5	0.2	22.4	8.11	7.47	6522	3.6
2003	November	20	23	17.5	0.5	22.4	7.77	7.46	6497	3.6
2003	November	20	23	17.5	1.0	22.4	7.32	7.41	7440	4.2
2003	November	20	23	17.5	1.5	22.5	6.62	7.35	10875	6.3

---------- Month=November STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	24	21.9	0.2	21.8	7.36	7.53	928	0.5
2003	November	20	24	21.9	0.5	21.9	7.45	7.54	917	0.5
2003	November	20	24	21.9	1.0	22.1	7.87	7.59	825	0.4
2003	November	20	24	21.9	1.5	21.9	7.23	7.53	923	0.5
2003	November	20	24	21.9	2.0	21.9	7.20	7.52	906	0.5
2003	November	20	24	21.9	2.5	21.8	7.07	7.50	943	0.5
2003	November	20	24	21.9	3.0	21.8	7.01	7.50	950	0.5

---------- Month=November STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	25	24.7	0.2	21.9	7.73	7.55	434	0.2
2003	November	20	25	24.7	0.5	21.9	7.57	7.54	433	0.2
2003	November	20	25	24.7	1.0	21.9	7.38	7.55	432	0.2
2003	November	20	25	24.7	1.5	21.9	7.44	7.56	428	0.2
2003	November	20	25	24.7	2.0	21.9	7.39	7.56	427	0.2
2003	November	20	25	24.7	2.5	21.9	7.32	7.56	425	0.2

---------- Month=November STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	November	20	92	12.7	0.2	21.9	7.52	7.47	16062	9.4
2003	November	20	92	12.7	0.5	21.9	7.30	7.47	16078	9.4
2003	November	20	92	12.7	1.0	21.9	7.22	7.47	16110	9.4
2003	November	20	92	12.7	1.5	21.9	7.21	7.48	16188	9.5
2003	November	20	92	12.7	2.0	21.9	7.13	7.48	16254	9.5
2003	November	20	92	12.7	2.5	21.7	7.17	7.48	16965	9.9
2003	November	20	92	12.7	3.0	21.6	7.10	7.48	17416	10.3

---------- Month=December STATION=9 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	9	-2.4	0.2	16.2	6.13	7.69	41202	26.4
2003	December	18	9	-2.4	0.5	16.2	6.05	7.70	41168	26.4
2003	December	18	9	-2.4	1.0	16.2	5.98	7.72	41152	26.4
2003	December	18	9	-2.4	1.5	16.2	6.02	7.75	41194	26.4
2003	December	18	9	-2.4	2.0	16.2	6.06	7.79	41231	26.4
2003	December	18	9	-2.4	2.5	17.0	5.70	7.82	44036	28.5
2003	December	18	9	-2.4	3.0	17.2	5.57	7.83	44038	28.5
2003	December	18	9	-2.4	3.5	17.2	5.57	7.86	44021	28.5

---------- Month=December STATION=10 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	10	6.6	0.2	16.3	6.04	7.80	33838	21.1
2003	December	18	10	6.6	0.5	16.6	5.89	7.83	35287	22.3
2003	December	18	10	6.6	1.0	16.7	5.87	7.84	35537	22.5
2003	December	18	10	6.6	1.5	16.8	5.69	7.83	36319	23.0
2003	December	18	10	6.6	2.0	17.0	5.52	7.82	37624	23.9

---------- Month=December STATION=11 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	11	10.5	0.2	16.2	6.60	7.73	16834	9.9
2003	December	18	11	10.5	0.5	16.3	6.41	7.73	18380	10.9
2003	December	18	11	10.5	1.0	16.4	6.28	7.74	19321	11.4
2003	December	18	11	10.5	1.5	16.2	6.08	7.72	22489	13.5
2003	December	18	11	10.5	2.0	17.2	5.28	7.70	30204	18.7
2003	December	18	11	10.5	2.5	17.5	5.15	7.70	30628	19.0

---------- Month=December STATION=12 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	12	15.5	0.2	16.8	6.64	7.61	4715	2.6
2003	December	18	12	15.5	0.5	16.9	6.35	7.58	6123	3.4
2003	December	18	12	15.5	1.0	16.9	6.25	7.59	6261	3.4
2003	December	18	12	15.5	1.5	17.0	6.12	7.54	7071	3.9
2003	December	18	12	15.5	2.0	17.9	5.39	7.46	11936	7.0

---------- Month=December STATION=13 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	13	20.1	0.2	16.8	6.21	7.56	753	0.4
2003	December	18	13	20.1	0.5	16.8	6.16	7.53	872	0.5
2003	December	18	13	20.1	1.0	16.7	6.08	7.51	1498	0.8
2003	December	18	13	20.1	1.5	16.7	5.92	7.47	2290	1.2
2003	December	18	13	20.1	2.0	16.8	5.87	7.43	4248	2.3
2003	December	18	13	20.1	2.5	17.3	5.49	7.39	7462	4.2
2003	December	18	13	20.1	3.0	17.4	5.45	7.40	7849	4.4
2003	December	18	13	20.1	3.5	17.4	5.43	7.40	7872	4.4

---------- Month=December STATION=14 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	14	23.6	0.2	16.8	6.47	7.37	398	0.2
2003	December	18	14	23.6	0.5	16.9	6.09	7.35	399	0.2
2003	December	18	14	23.6	1.0	16.8	5.97	7.34	400	0.2
2003	December	18	14	23.6	1.5	16.6	5.83	7.34	401	0.2
2003	December	18	14	23.6	2.0	16.4	5.82	7.33	399	0.2
2003	December	18	14	23.6	2.5	16.3	5.79	7.32	401	0.2
2003	December	18	14	23.6	3.0	16.3	5.74	7.32	401	0.2
2003	December	18	14	23.6	3.5	16.3	5.76	7.31	401	0.2

---------- Month=December STATION=15 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	15	25.9	0.2	16.7	6.33	7.29	405	0.2
2003	December	18	15	25.9	0.5	16.7	6.25	7.27	406	0.2
2003	December	18	15	25.9	1.0	16.6	6.15	7.27	405	0.2

---------- Month=December STATION=17 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	17	29.5	0.2	17.1	6.42	7.34	406	0.2
2003	December	18	17	29.5	0.5	17.1	6.34	7.32	407	0.2
2003	December	18	17	29.5	1.0	16.7	6.32	7.31	407	0.2
2003	December	18	17	29.5	1.5	16.7	6.35	7.32	407	0.2
2003	December	18	17	29.5	2.0	16.7	6.22	7.30	408	0.2
2003	December	18	17	29.5	2.5	16.6	6.26	7.30	407	0.2
2003	December	18	17	29.5	3.0	16.6	6.24	7.30	406	0.2

---------- Month=December STATION=18 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	18	30.4	0.2	16.5	6.67	7.37	408	0.2
2003	December	18	18	30.4	0.5	16.6	6.44	7.34	408	0.2
2003	December	18	18	30.4	1.0	16.6	6.50	7.33	409	0.2
2003	December	18	18	30.4	1.5	16.6	6.50	7.33	408	0.2
2003	December	18	18	30.4	2.0	16.6	6.48	7.34	409	0.2
2003	December	18	18	30.4	2.5	16.6	6.43	7.33	409	0.2
2003	December	18	18	30.4	3.0	16.6	6.43	7.33	409	0.2
2003	December	18	18	30.4	3.5	16.6	6.44	7.33	409	0.2

---------- Month=December STATION=19 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	19	32.3	0.2	16.5	6.90	7.36	405	0.2
2003	December	18	19	32.3	0.5	16.6	6.76	7.35	405	0.2
2003	December	18	19	32.3	1.0	16.6	6.71	7.35	405	0.2
2003	December	18	19	32.3	1.5	16.6	6.68	7.34	405	0.2
2003	December	18	19	32.3	2.0	16.6	6.65	7.34	406	0.2

---------- Month=December STATION=21 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	21	8.4	0.2	15.7	6.66	7.77	19666	11.7
2003	December	18	21	8.4	0.5	15.9	6.59	7.80	21714	13.4
2003	December	18	21	8.4	1.0	17.1	5.79	7.80	34806	21.9
2003	December	18	21	8.4	1.5	17.1	5.69	7.81	34831	21.9

---------- Month=December STATION=22 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	22	12.8	0.2	16.5	6.13	7.58	9799	5.7
2003	December	18	22	12.8	0.5	16.3	6.06	7.58	10811	6.1
2003	December	18	22	12.8	1.0	16.2	6.17	7.60	11188	6.4
2003	December	18	22	12.8	1.5	16.2	5.84	7.59	18114	10.7
2003	December	18	22	12.8	2.0	16.7	5.80	7.61	18714	11.1
2003	December	18	22	12.8	2.5	16.7	5.75	7.60	18825	11.2
2003	December	18	22	12.8	3.0	16.6	5.72	7.59	18974	11.2

---------- Month=December STATION=23 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	23	17.5	0.2	16.7	6.29	7.52	4097	2.2
2003	December	18	23	17.5	0.5	17.2	6.15	7.52	4122	2.2
2003	December	18	23	17.5	1.0	17.1	6.11	7.51	4534	2.5
2003	December	18	23	17.5	1.5	17.4	5.59	7.65	10700	5.9

---------- Month=December STATION=24 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	24	21.9	0.2	17.0	6.12	7.44	414	0.2
2003	December	18	24	21.9	0.5	17.0	6.00	7.41	414	0.2
2003	December	18	24	21.9	1.0	16.9	5.90	7.41	415	0.2
2003	December	18	24	21.9	1.5	16.8	5.90	7.40	420	0.2
2003	December	18	24	21.9	2.0	16.8	5.88	7.39	420	0.2
2003	December	18	24	21.9	2.5	16.5	5.74	7.38	425	0.2

---------- Month=December STATION=25 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	25	24.7	0.2	17.1	6.38	7.30	406	0.2
2003	December	18	25	24.7	0.5	16.9	6.15	7.28	407	0.2
2003	December	18	25	24.7	1.0	16.8	6.10	7.28	406	0.2
2003	December	18	25	24.7	1.5	16.7	5.99	7.28	405	0.2
2003	December	18	25	24.7	2.0	16.6	6.01	7.27	405	0.2

---------- Month=December STATION=92 ----------

Year	Month	Day	STATION	River Kilometer of Site Location	Sampling Depth (m)	Temperature (C)	Dissolved Oxygen (mg/L)	pH Water Whole Field (std.units)	Specific Conductance (us/cm)	Salinity (ppt)
2003	December	18	92	12.7	0.2	15.9	6.50	7.68	11954	6.6
2003	December	18	92	12.7	0.5	15.8	6.37	7.68	12369	7.3
2003	December	18	92	12.7	1.0	15.8	6.43	7.69	14520	7.9
2003	December	18	92	12.7	1.5	15.8	6.31	7.67	14561	8.6
2003	December	18	92	12.7	2.0	16.1	6.02	7.64	15570	9.0
2003	December	18	92	12.7	2.5	16.3	5.90	7.62	15787	9.2
2003	December	18	92	12.7	3.0	16.3	5.82	7.61	15796	9.2

Appendix F

Complete Analysis Of Light Profiles At "Fixed" Sampling Stations

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.11883	-0.01731	0.99869	0.99739

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	894.	6.79682	6.77254
2	40.	602.	6.40192	6.42625
3	60.	438.	6.08450	6.07996
4	80.	298.	5.70044	5.73367
5	100.	224.	5.41610	5.38737

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1367    |                                                 |
      7.0559    |                                                 |
      6.9752    |                                                 |
      6.8944    |                                                 |
      6.8137    |*                                                |
      6.7329    |                                                 |
      6.6522    |                                                 |
      6.5714    |                                                 |
      6.4907    |            E                                    |
      6.4099    |            *                                    |
      6.3292    |                                                 |
      6.2485    |                                                 |
      6.1677    |                                                 |
      6.0870    |                       *                         |
      6.0062    |                                                 |
      5.9255    |                                                 |
      5.8447    |                                                 |
      5.7640    |                                   *             |
      5.6832    |                                                 |
      5.6025    |                                                 |
      5.5217    |                                                 |
      5.4410    |                                                *|
      5.3602    |                                                 |
      5.2795    |                                                 |
      5.1988    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.30	3.55

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.02567	-0.02256	0.99056	0.98120

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	801.	6.68711	6.57438
2	40.	426.	6.05678	6.12309
3	60.	258.	5.55683	5.67181
4	80.	180.	5.19850	5.22052
5	100.	128.	4.85981	4.76923

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0215    |                                                 |
      6.9218    |                                                 |
      6.8222    |                                                 |
      6.7226    |*                                                |
      6.6230    |E                                                |
      6.5233    |                                                 |
      6.4237    |                                                 |
      6.3241    |                                                 |
      6.2244    |                                                 |
      6.1248    |            *                                    |
      6.0252    |                                                 |
      5.9256    |                                                 |
      5.8259    |                                                 |
      5.7263    |                       E                         |
      5.6267    |                       *                         |
      5.5270    |                                                 |
      5.4274    |                                                 |
      5.3278    |                                                 |
      5.2282    |                                   *             |
      5.1285    |                                                 |
      5.0289    |                                                 |
      4.9293    |                                               *  |
      4.8296    |                                               E  |
      4.7300    |                                                 |
      4.6304    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.69	2.72

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.06217	-0.02370	0.99279	0.98562

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	783.	6.66441	6.58818
2	40.	438.	6.08450	6.11419
3	60.	243.	5.49717	5.64020
4	80.	187.	5.23644	5.16622
5	100.	111.	4.71850	4.69223

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9976    |                                                 |
      6.8960    |                                                 |
      6.7944    |                                                 |
      6.6928    |*                                                |
      6.5912    |E                                                |
      6.4896    |                                                 |
      6.3880    |                                                 |
      6.2864    |                                                 |
      6.1848    |            *                                    |
      6.0832    |                                                 |
      5.9816    |                                                 |
      5.8800    |                                                 |
      5.7784    |                                                 |
      5.6768    |                       E                         |
      5.5752    |                       *                         |
      5.4736    |                                                 |
      5.3720    |                                                 |
      5.2704    |                                   *             |
      5.1688    |                                   E             |
      5.0672    |                                                 |
      4.9656    |                                                 |
      4.8640    |                                                 |
      4.7624    |                                              *  |
      4.6608    |                                                 |
      4.5592    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.78	2.59

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.60494	-0.02073	0.99537	0.99075

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	452.	6.11589	6.19024
2	40.	341.	5.83481	5.77554
3	60.	228.	5.43372	5.36084
4	80.	136.	4.91998	4.94614
5	100.	89.	4.49981	4.53144

```
                 |----|----|----|----|----|----|----|----|----|-----|
      6.4998     |                                                 |
      6.4108     |                                                 |
      6.3218     |                                                 |
      6.2328     |E                                                |
      6.1438     |*                                                |
      6.0548     |                                                 |
      5.9658     |                                                 |
      5.8768     |            *                                    |
      5.7878     |            E                                    |
      5.6988     |                                                 |
      5.6098     |                                                 |
      5.5208     |                       *                         |
      5.4318     |                       E                         |
      5.3428     |                                                 |
      5.2538     |                                                 |
      5.1648     |                                                 |
      5.0758     |                                                 |
      4.9868     |                                   *             |
      4.8978     |                                                 |
      4.8088     |                                                 |
      4.7198     |                                                 |
      4.6308     |                                                 |
      4.5418     |                                              *  |
      4.4528     |                                                 |
      4.3638     |                                                 |
                 |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.56	2.96

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.54588	-0.02708	0.99948	0.99896

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	413.	6.02587	6.00423
2	40.	232.	5.45104	5.46257
3	60.	135.	4.91265	4.92091
4	80.	76.	4.34381	4.37926
5	100.	47.	3.87120	3.83760

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.3272    |                                                 |
      6.2199    |                                                 |
      6.1126    |*                                                |
      6.0054    |E                                                |
      5.8981    |                                                 |
      5.7909    |                                                 |
      5.6836    |                                                 |
      5.5764    |                                                 |
      5.4691    |            *                                    |
      5.3618    |                                                 |
      5.2546    |                                                 |
      5.1473    |                                                 |
      5.0401    |                                                 |
      4.9328    |                       *                         |
      4.8256    |                                                 |
      4.7183    |                                                 |
      4.6110    |                                                 |
      4.5038    |                                                 |
      4.3965    |                                   *             |
      4.2893    |                                                 |
      4.1820    |                                                 |
      4.0748    |                                                 |
      3.9675    |                                              *  |
      3.8602    |                                              E  |
      3.7530    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.03	2.27

LIGHT PROFILE ANALYSES - FOR 1/28/2003

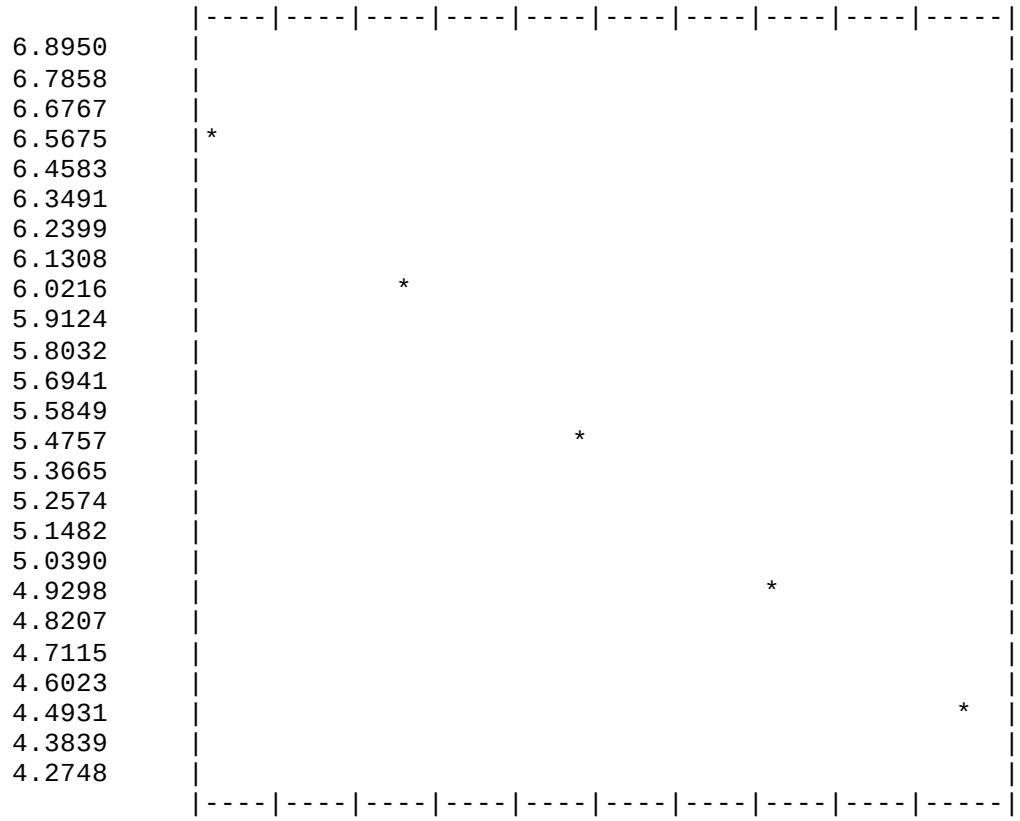
STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.04447	-0.02660	0.99846	0.99692

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	710.	6.56667	6.51254
2	40.	381.	5.94542	5.98062
3	60.	221.	5.40268	5.44869
4	80.	133.	4.89784	4.91676
5	100.	83.	4.43082	4.38483



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.99	2.31

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.39169	-0.02201	0.99947	0.99895

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	388.	5.96358	5.95153
2	40.	241.	5.48894	5.51138
3	60.	162.	5.09375	5.07123
4	80.	99.	4.60517	4.63107
5	100.	66.	4.20469	4.19092

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.2618    |                                                 |
      6.1705    |                                                 |
      6.0793    |                                                 |
      5.9881    |*                                                |
      5.8969    |                                                 |
      5.8057    |                                                 |
      5.7145    |                                                 |
      5.6232    |                                                 |
      5.5320    |            *                                    |
      5.4408    |                                                 |
      5.3496    |                                                 |
      5.2584    |                                                 |
      5.1672    |                       *                         |
      5.0760    |                       E                         |
      4.9847    |                                                 |
      4.8935    |                                                 |
      4.8023    |                                                 |
      4.7111    |                                E                |
      4.6199    |                                *                |
      4.5287    |                                                 |
      4.4374    |                                                 |
      4.3462    |                                                 |
      4.2550    |                                            *    |
      4.1638    |                                                 |
      4.0726    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.65	2.79

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.76793	-0.03105	0.99668	0.99336

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	439.	6.08677	6.14697
2	40.	281.	5.64191	5.52602
3	60.	124.	4.82831	4.90506
4	80.	75.	4.33073	4.28411
5	100.	37.	3.63759	3.66315

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.4543    |                                                 |
      6.3344    |                                                 |
      6.2144    |E                                                |
      6.0945    |*                                                |
      5.9745    |                                                 |
      5.8546    |                                                 |
      5.7347    |           *                                     |
      5.6147    |           E                                     |
      5.4948    |                                                 |
      5.3748    |                                                 |
      5.2549    |                                                 |
      5.1349    |                                                 |
      5.0150    |                      E                          |
      4.8950    |                      *                          |
      4.7751    |                                                 |
      4.6552    |                                                 |
      4.5352    |                                                 |
      4.4153    |                                  *              |
      4.2953    |                                  E              |
      4.1754    |                                                 |
      4.0554    |                                                 |
      3.9355    |                                                 |
      3.8155    |                                                 |
      3.6956    |                                              *  |
      3.5757    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.33	1.98

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.86604	-0.03006	0.99100	0.98209

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	587.	6.37673	6.26494
2	40.	284.	5.65249	5.66383
3	60.	128.	4.85981	5.06273
4	80.	85.	4.45435	4.46163
5	100.	52.	3.97029	3.86053

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6956    |                                                 |
      6.5744    |                                                 |
      6.4533    |*                                                |
      6.3322    |E                                                |
      6.2111    |                                                 |
      6.0900    |                                                 |
      5.9688    |                                                 |
      5.8477    |                                                 |
      5.7266    |            *                                    |
      5.6055    |                                                 |
      5.4843    |                                                 |
      5.3632    |                                                 |
      5.2421    |                                                 |
      5.1210    |                       E                         |
      4.9999    |                                                 |
      4.8787    |                       *                         |
      4.7576    |                                                 |
      4.6365    |                                                 |
      4.5154    |                                   *             |
      4.3942    |                                                 |
      4.2731    |                                                 |
      4.1520    |                                                 |
      4.0309    |                                              *  |
      3.9097    |                                              E  |
      3.7886    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.25	2.04

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.48614	-0.02553	0.99033	0.98075

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	418.	6.03787	5.97549
2	40.	238.	5.47646	5.46485
3	60.	116.	4.76217	4.95421
4	80.	93.	4.54329	4.44357
5	100.	51.	3.95124	3.93292

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.3398    |                                                 |
      6.2356    |                                                 |
      6.1315    |*                                                |
      6.0273    |E                                                |
      5.9232    |                                                 |
      5.8191    |                                                 |
      5.7149    |                                                 |
      5.6108    |                                                 |
      5.5066    |            *                                    |
      5.4025    |                                                 |
      5.2984    |                                                 |
      5.1942    |                                                 |
      5.0901    |                                                 |
      4.9860    |                       E                         |
      4.8818    |                                                 |
      4.7777    |                       *                         |
      4.6735    |                                                 |
      4.5694    |                                   *             |
      4.4653    |                                   E             |
      4.3611    |                                                 |
      4.2570    |                                                 |
      4.1528    |                                                 |
      4.0487    |                                               *  |
      3.9446    |                                               E  |
      3.8404    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.91	2.40

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.47310	-0.02196	0.99402	0.98808

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	157.	5.06259	5.03394
2	40.	103.	4.64439	4.59478
3	60.	55.	4.02535	4.15562
4	80.	40.	3.71357	3.71646
5	100.	27.	3.33220	3.27730

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.3157    |                                                 |
      5.2276    |                                                 |
      5.1395    |*                                                |
      5.0515    |E                                                |
      4.9634    |                                                 |
      4.8753    |                                                 |
      4.7872    |                                                 |
      4.6991    |            *                                    |
      4.6110    |            E                                    |
      4.5229    |                                                 |
      4.4348    |                                                 |
      4.3467    |                                                 |
      4.2586    |                                                 |
      4.1705    |                       E                         |
      4.0824    |                       *                         |
      3.9944    |                                                 |
      3.9063    |                                                 |
      3.8182    |                                                 |
      3.7301    |                                   *             |
      3.6420    |                                                 |
      3.5539    |                                                 |
      3.4658    |                                                 |
      3.3777    |                                             *   |
      3.2896    |                                             E   |
      3.2015    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.65	2.80

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.83783	-0.02845	0.99429	0.98861

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	189.	5.24702	5.26874
2	40.	104.	4.65396	4.69966
3	60.	72.	4.29046	4.13058
4	80.	31.	4.46574	3.56150
5	100.	19.	2.99573	2.99242

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.5322    |                                                 |
      5.4246    |                                                 |
      5.3170    |*                                                |
      5.2095    |                                                 |
      5.1019    |                                                 |
      4.9943    |                                                 |
      4.8867    |                                                 |
      4.7792    |            E                                    |
      4.6716    |            *                                    |
      4.5640    |                                                 |
      4.4564    |                                                 |
      4.3489    |                       *                         |
      4.2413    |                                                 |
      4.1337    |                       E                         |
      4.0261    |                                                 |
      3.9186    |                                                 |
      3.8110    |                                                 |
      3.7034    |                                                 |
      3.5958    |                                   E             |
      3.4882    |                                   *             |
      3.3807    |                                                 |
      3.2731    |                                                 |
      3.1655    |                                                 |
      3.0579    |                                             *   |
      2.9504    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.13	2.16

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.76163	-0.03663	0.99879	0.99758

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	401.	5.99645	6.02896
2	40.	194.	5.27300	5.29629
3	60.	104.	4.65396	4.56362
4	80.	46.	3.85015	3.83094
5	100.	20.	3.04452	3.09827

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.3304    |                                                 |
      6.1929    |                                                 |
      6.0554    |*                                                |
      5.9178    |                                                 |
      5.7803    |                                                 |
      5.6428    |                                                 |
      5.5053    |                                                 |
      5.3677    |            *                                    |
      5.2302    |                                                 |
      5.0927    |                                                 |
      4.9552    |                                                 |
      4.8176    |                                                 |
      4.6801    |                       *                         |
      4.5426    |                                                 |
      4.4051    |                                                 |
      4.2675    |                                                 |
      4.1300    |                                                 |
      3.9925    |                                                 |
      3.8550    |                                   *             |
      3.7174    |                                                 |
      3.5799    |                                                 |
      3.4424    |                                                 |
      3.3049    |                                                 |
      3.1673    |                                             *   |
      3.0298    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.75	1.68

LIGHT PROFILE ANALYSES - FOR 1/28/2003

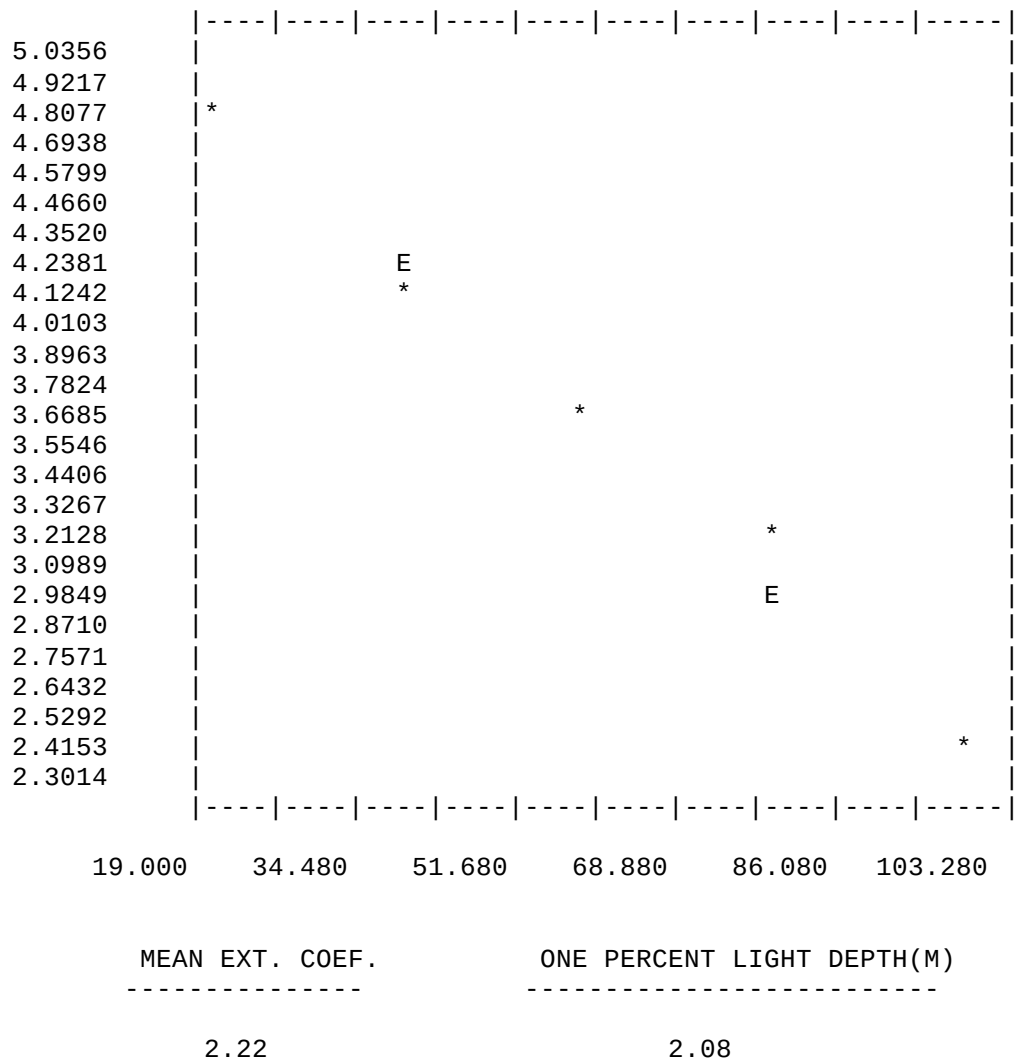
STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.34334	-0.02956	0.99376	0.98756

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	120.	4.79579	4.75220
2	40.	57.	4.06044	4.16107
3	60.	34.	3.55535	3.56993
4	80.	22.	3.13549	2.97880
5	100.	9.	2.30259	2.38766



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.22	2.08

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.45391	-0.03515	0.99907	0.99813

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	318.	5.76519	5.75085
2	40.	159.	5.07517	5.04779
3	60.	73.	4.30407	4.34474
4	80.	35.	3.58352	3.64168
5	100.	19.	2.99573	2.93862

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.0535    |                                                 |
      5.9230    |                                                 |
      5.7925    |*                                                |
      5.6620    |                                                 |
      5.5316    |                                                 |
      5.4011    |                                                 |
      5.2706    |                                                 |
      5.1402    |            *                                    |
      5.0097    |                                                 |
      4.8792    |                                                 |
      4.7487    |                                                 |
      4.6183    |                                                 |
      4.4878    |                                                 |
      4.3573    |                       *                         |
      4.2269    |                                                 |
      4.0964    |                                                 |
      3.9659    |                                                 |
      3.8355    |                                                 |
      3.7050    |                                   *             |
      3.5745    |                                                 |
      3.4440    |                                                 |
      3.3136    |                                                 |
      3.1831    |                                                 |
      3.0526    |                                              *  |
      2.9222    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.64	1.75

LIGHT PROFILE ANALYSES - FOR 1/28/2003

STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.67295	-0.03669	0.99333	0.98670

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	414.	6.02828	5.93910
2	40.	188.	5.24175	5.20526
3	60.	70.	4.26268	4.47142
4	80.	39.	3.68888	3.73757
5	100.	22.	3.13549	3.00373

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.3297    |                                                 |
      6.1906    |                                                 |
      6.0516    |*                                                |
      5.9126    |                                                 |
      5.7735    |                                                 |
      5.6345    |                                                 |
      5.4954    |                                                 |
      5.3564    |            *                                    |
      5.2173    |            E                                    |
      5.0783    |                                                 |
      4.9392    |                                                 |
      4.8002    |                                                 |
      4.6611    |                                                 |
      4.5221    |                       E                         |
      4.3830    |                       *                         |
      4.2440    |                                                 |
      4.1050    |                                                 |
      3.9659    |                                                 |
      3.8269    |                                   *             |
      3.6878    |                                                 |
      3.5488    |                                                 |
      3.4097    |                                                 |
      3.2707    |                                             *   |
      3.1316    |                                             E   |
      2.9926    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.75	1.67

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.23536	-0.01040	0.99868	0.99735

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1137.	7.03703	7.02737
2	40.	916.	6.82111	6.81939
3	60.	721.	6.58203	6.61140
4	80.	612.	6.41837	6.40342
5	100.	491.	6.19848	6.19543

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.3889    |                                                 |
      7.3288    |                                                 |
      7.2686    |                                                 |
      7.2085    |                                                 |
      7.1484    |                                                 |
      7.0882    |*                                                |
      7.0281    |E                                                |
      6.9680    |                                                 |
      6.9078    |                                                 |
      6.8477    |            *                                    |
      6.7876    |                                                 |
      6.7275    |                                                 |
      6.6673    |                       E                         |
      6.6072    |                       *                         |
      6.5471    |                                                 |
      6.4869    |                                                 |
      6.4268    |                                   *             |
      6.3667    |                                                 |
      6.3066    |                                                 |
      6.2464    |                                             *   |
      6.1863    |                                                 |
      6.1262    |                                                 |
      6.0660    |                                                 |
      6.0059    |                                                 |
      5.9458    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
0.78	5.90

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.22889	-0.01614	0.99828	0.99656

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	998.	6.90675	6.90600
2	40.	744.	6.61338	6.58312
3	60.	497.	6.21060	6.26023
4	80.	380.	5.94280	5.93735
5	100.	277.	5.62762	5.61446

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.2521    |                                                 |
      7.1754    |                                                 |
      7.0986    |                                                 |
      7.0219    |                                                 |
      6.9452    |*                                                |
      6.8684    |                                                 |
      6.7917    |                                                 |
      6.7150    |                                                 |
      6.6382    |            *                                    |
      6.5615    |                                                 |
      6.4848    |                                                 |
      6.4080    |                                                 |
      6.3313    |                       E                         |
      6.2545    |                       *                         |
      6.1778    |                                                 |
      6.1011    |                                                 |
      6.0243    |                                                 |
      5.9476    |                                   *             |
      5.8709    |                                                 |
      5.7941    |                                                 |
      5.7174    |                                                 |
      5.6407    |                                                *|
      5.5639    |                                                 |
      5.4872    |                                                 |
      5.4105    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.21	3.80

LIGHT PROFILE ANALYSES - FOR 2/26/2003

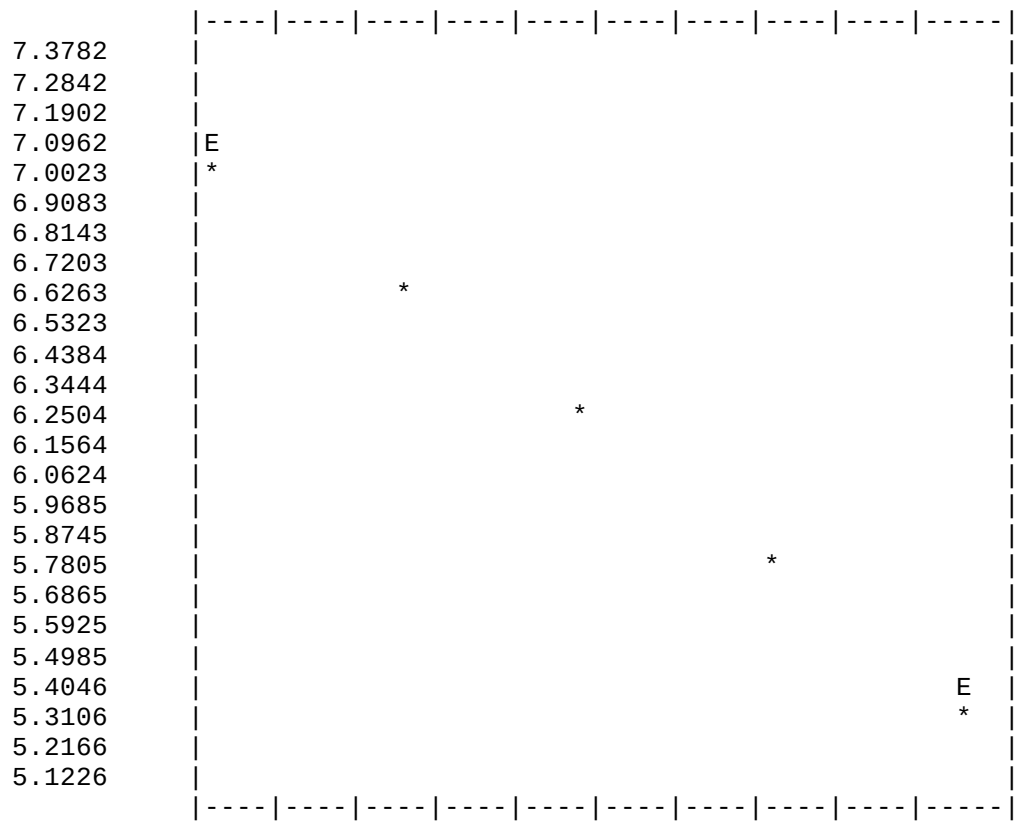
STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.45334	-0.02132	0.99933	0.99866

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1096.	7.00033	7.02685
2	40.	746.	6.61607	6.60035
3	60.	489.	6.19441	6.17386
4	80.	318.	5.76519	5.74737
5	100.	198.	5.29330	5.32087



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.60	2.88

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.73152	-0.02482	0.99668	0.99336

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	185.	5.22575	5.23510
2	40.	118.	4.77912	4.73868
3	60.	63.	4.15888	4.24225
4	80.	45.	3.82864	3.74583
5	100.	24.	3.21888	3.24941

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.4969    |                                                 |
      5.3993    |                                                 |
      5.3017    |*                                                |
      5.2042    |                                                 |
      5.1066    |                                                 |
      5.0091    |                                                 |
      4.9115    |                                                 |
      4.8140    |            *                                    |
      4.7164    |                                                 |
      4.6188    |                                                 |
      4.5213    |                                                 |
      4.4237    |                                                 |
      4.3262    |                       E                         |
      4.2286    |                       *                         |
      4.1311    |                                                 |
      4.0335    |                                                 |
      3.9359    |                                                 |
      3.8384    |                                   *             |
      3.7408    |                                                 |
      3.6433    |                                                 |
      3.5457    |                                                 |
      3.4482    |                                                 |
      3.3506    |                                                 |
      3.2530    |                                              *  |
      3.1555    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.86	2.47

LIGHT PROFILE ANALYSES - FOR 2/26/2003

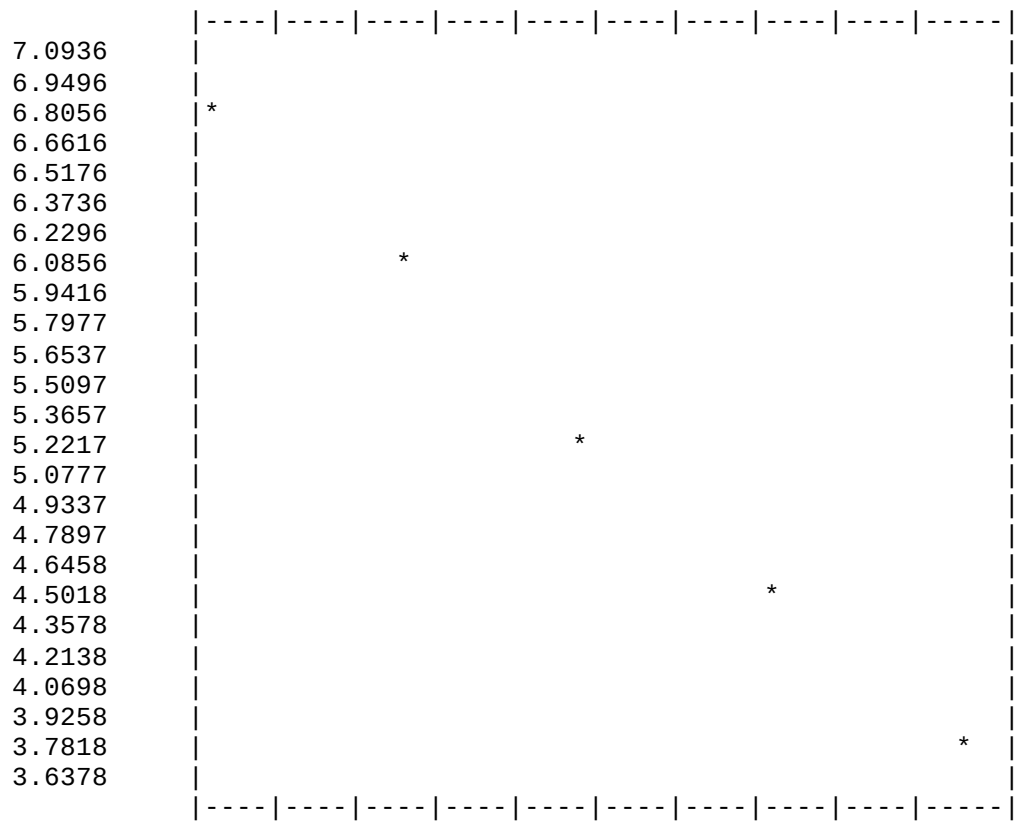
STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.50891	-0.03831	0.99807	0.99615

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	858.	6.75577	6.74268
2	40.	421.	6.04501	5.97644
3	60.	162.	5.09375	5.21021
4	80.	82.	4.41884	4.44397
5	100.	41.	3.73767	3.67773



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.87	1.60

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.34058	-0.03184	0.99697	0.99395

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	790.	6.67330	6.70374
2	40.	416.	6.03309	6.06689
3	60.	242.	5.49306	5.43005
4	80.	132.	4.89035	4.79320
5	100.	57.	4.06044	4.15636

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0389    |                                                 |
      6.9117    |                                                 |
      6.7844    |*                                                |
      6.6571    |                                                 |
      6.5299    |                                                 |
      6.4026    |                                                 |
      6.2754    |                                                 |
      6.1481    |            *                                    |
      6.0208    |                                                 |
      5.8936    |                                                 |
      5.7663    |                                                 |
      5.6391    |                                                 |
      5.5118    |                       *                         |
      5.3845    |                                                 |
      5.2573    |                                                 |
      5.1300    |                                                 |
      5.0028    |                                  *              |
      4.8755    |                                  E              |
      4.7482    |                                                 |
      4.6210    |                                                 |
      4.4937    |                                                 |
      4.3665    |                                                 |
      4.2392    |                                              E  |
      4.1119    |                                              *  |
      3.9847    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.39	1.93

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.34499	-0.02795	0.99415	0.98834

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	872.	6.77194	6.78590
2	40.	558.	6.32615	6.22682
3	60.	271.	5.60580	5.66774
4	80.	146.	4.99043	5.10866
5	100.	103.	4.64439	4.54958

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1252    |                                                 |
      7.0131    |                                                 |
      6.9010    |                                                 |
      6.7888    |*                                                |
      6.6767    |                                                 |
      6.5646    |                                                 |
      6.4525    |                                                 |
      6.3403    |            *                                    |
      6.2282    |            E                                    |
      6.1161    |                                                 |
      6.0040    |                                                 |
      5.8918    |                                                 |
      5.7797    |                       E                         |
      5.6676    |                       *                         |
      5.5555    |                                                 |
      5.4433    |                                                 |
      5.3312    |                                                 |
      5.2191    |                                   E             |
      5.1070    |                                                 |
      4.9948    |                                   *             |
      4.8827    |                                                 |
      4.7706    |                                                 |
      4.6585    |                                             *   |
      4.5463    |                                                 |
      4.4342    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.10	2.20

LIGHT PROFILE ANALYSES - FOR 2/26/2003

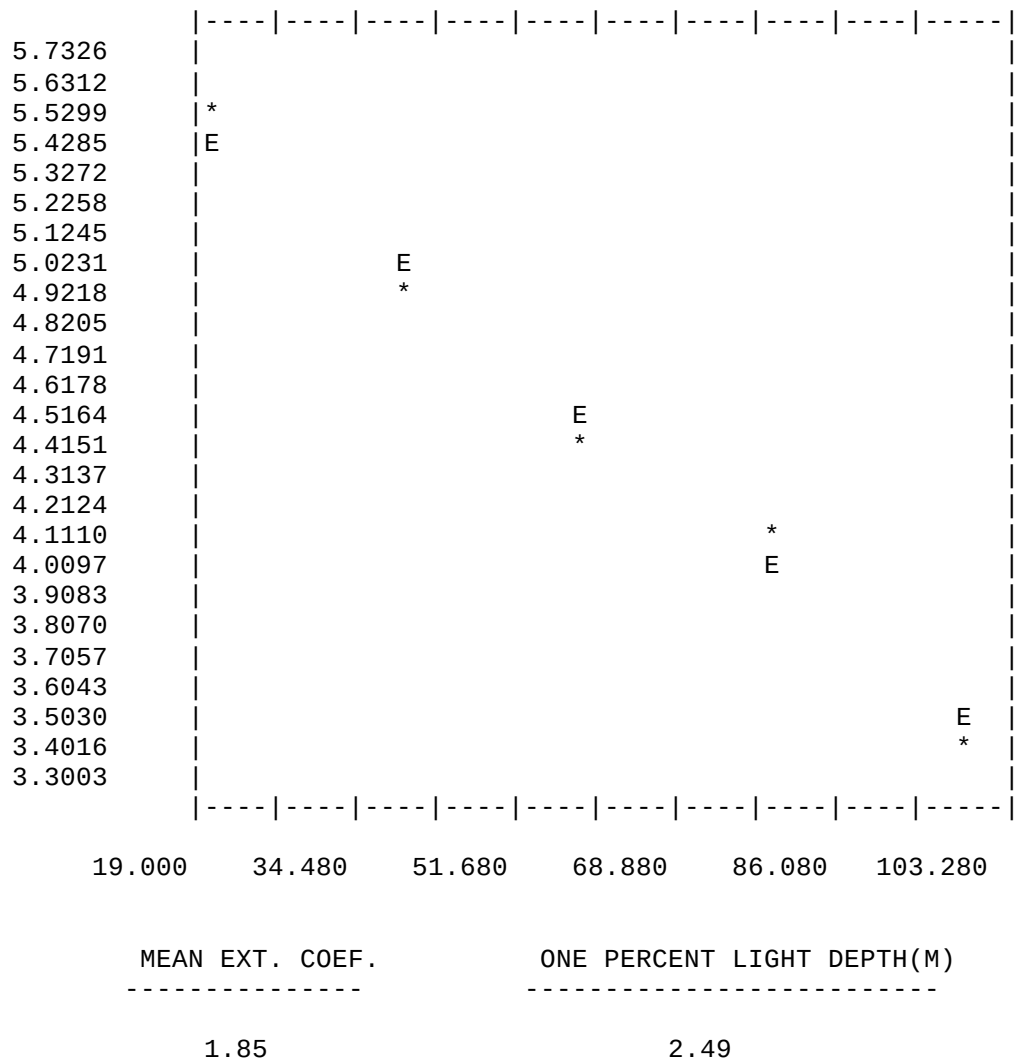
STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.90981	-0.02467	0.99168	0.98342

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	234.	5.45959	5.41637
2	40.	126.	4.84419	4.92293
3	60.	79.	4.38203	4.42949
4	80.	59.	4.09434	3.93605
5	100.	28.	3.36730	3.44260



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.85	2.49

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.91830	-0.02650	0.98291	0.96612

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	724.	6.58617	6.38840
2	40.	289.	5.66988	5.85849
3	60.	185.	5.22575	5.32859
4	80.	118.	4.77912	4.79869
5	100.	79.	4.38203	4.26878

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9155    |                                                 |
      6.8011    |                                                 |
      6.6867    |*                                                |
      6.5723    |                                                 |
      6.4579    |E                                                |
      6.3435    |                                                 |
      6.2290    |                                                 |
      6.1146    |                                                 |
      6.0002    |                                                 |
      5.8858    |            E                                    |
      5.7714    |            *                                    |
      5.6570    |                                                 |
      5.5426    |                                                 |
      5.4282    |                       E                         |
      5.3138    |                       *                         |
      5.1994    |                                                 |
      5.0850    |                                                 |
      4.9706    |                                                 |
      4.8562    |                                   *             |
      4.7418    |                                                 |
      4.6274    |                                                 |
      4.5130    |                                                 |
      4.3986    |                                              *  |
      4.2842    |                                              E  |
      4.1697    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.99	2.32

LIGHT PROFILE ANALYSES - FOR 2/26/2003

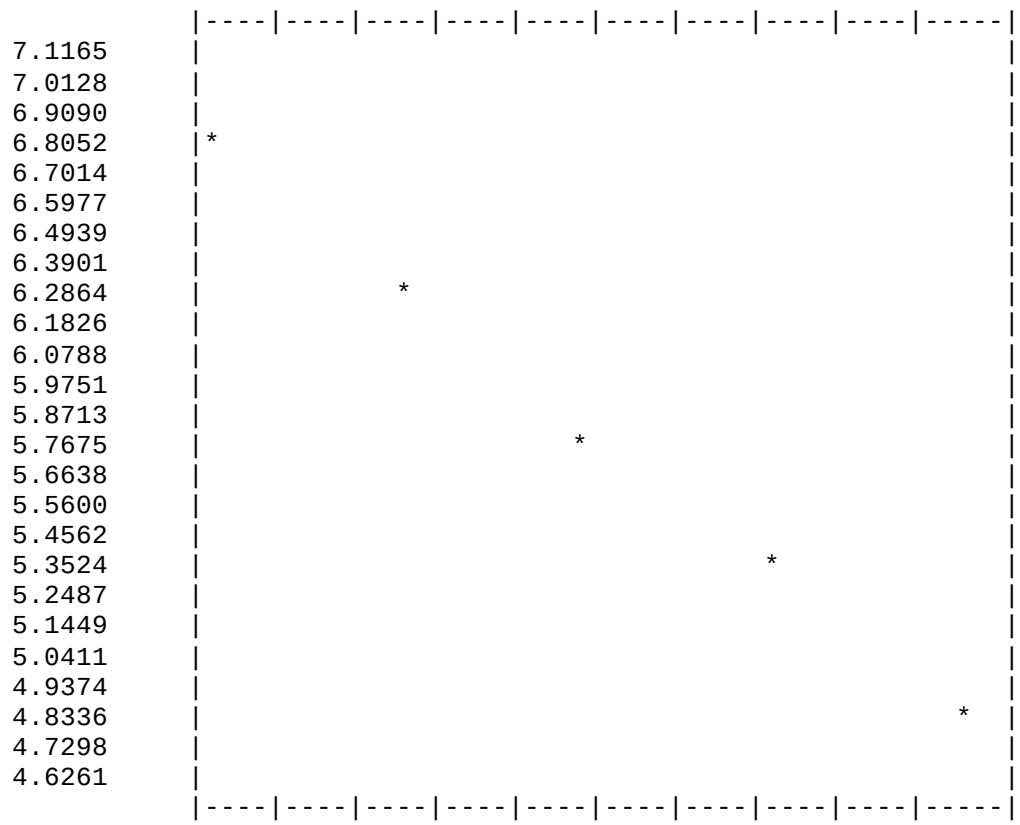
STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.23742	-0.02477	0.99836	0.99672

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	877.	6.77765	6.74200
2	40.	516.	6.24804	6.24657
3	60.	291.	5.67675	5.75115
4	80.	191.	5.25750	5.25572
5	100.	120.	4.79579	4.76029



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.86	2.48

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.26182	-0.02458	0.99728	0.99456

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	892.	6.79459	6.77030
2	40.	551.	6.31355	6.27877
3	60.	298.	5.70044	5.78725
4	80.	193.	5.26786	5.29573
5	100.	128.	4.85981	4.80420

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1343    |                                                 |
      7.0315    |                                                 |
      6.9287    |                                                 |
      6.8259    |*                                                |
      6.7231    |                                                 |
      6.6203    |                                                 |
      6.5174    |                                                 |
      6.4146    |            *                                    |
      6.3118    |            E                                    |
      6.2090    |                                                 |
      6.1062    |                                                 |
      6.0034    |                                                 |
      5.9006    |                                                 |
      5.7977    |                       *                         |
      5.6949    |                                                 |
      5.5921    |                                                 |
      5.4893    |                                                 |
      5.3865    |                                E                |
      5.2837    |                                *                |
      5.1809    |                                                 |
      5.0781    |                                                 |
      4.9752    |                                                 |
      4.8724    |                                             *   |
      4.7696    |                                                 |
      4.6668    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.84	2.50

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.12230	-0.02369	0.99923	0.99845

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	775.	6.65415	6.64843
2	40.	490.	6.19644	6.17456
3	60.	283.	5.64897	5.70070
4	80.	188.	5.24175	5.22683
5	100.	116.	4.76217	4.75297

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9869    |                                                 |
      6.8880    |                                                 |
      6.7891    |                                                 |
      6.6903    |*                                                |
      6.5914    |                                                 |
      6.4926    |                                                 |
      6.3937    |                                                 |
      6.2948    |            *                                    |
      6.1960    |            E                                    |
      6.0971    |                                                 |
      5.9982    |                                                 |
      5.8994    |                                                 |
      5.8005    |                                                 |
      5.7017    |                       *                         |
      5.6028    |                                                 |
      5.5039    |                                                 |
      5.4051    |                                                 |
      5.3062    |                                   *             |
      5.2073    |                                                 |
      5.1085    |                                                 |
      5.0096    |                                                 |
      4.9108    |                                                 |
      4.8119    |                                              *  |
      4.7130    |                                                 |
      4.6142    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.78	2.59

LIGHT PROFILE ANALYSES - FOR 2/26/2003

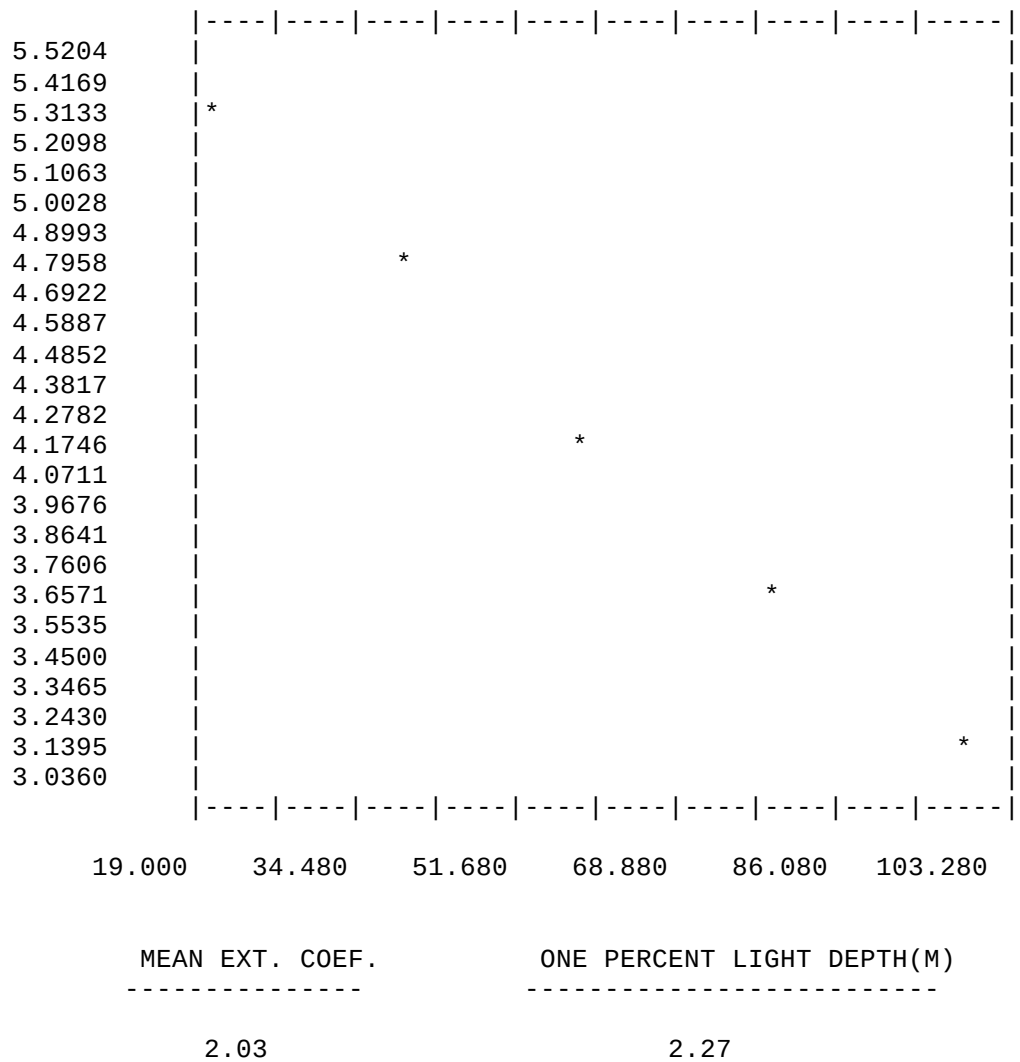
STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.78921	-0.02702	0.99987	0.99973

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	191.	5.25750	5.24873
2	40.	110.	4.70953	4.70824
3	60.	62.	4.14313	4.16776
4	80.	37.	3.63759	3.62727
5	100.	21.	3.09104	3.08679



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.03	2.27

LIGHT PROFILE ANALYSES - FOR 2/26/2003

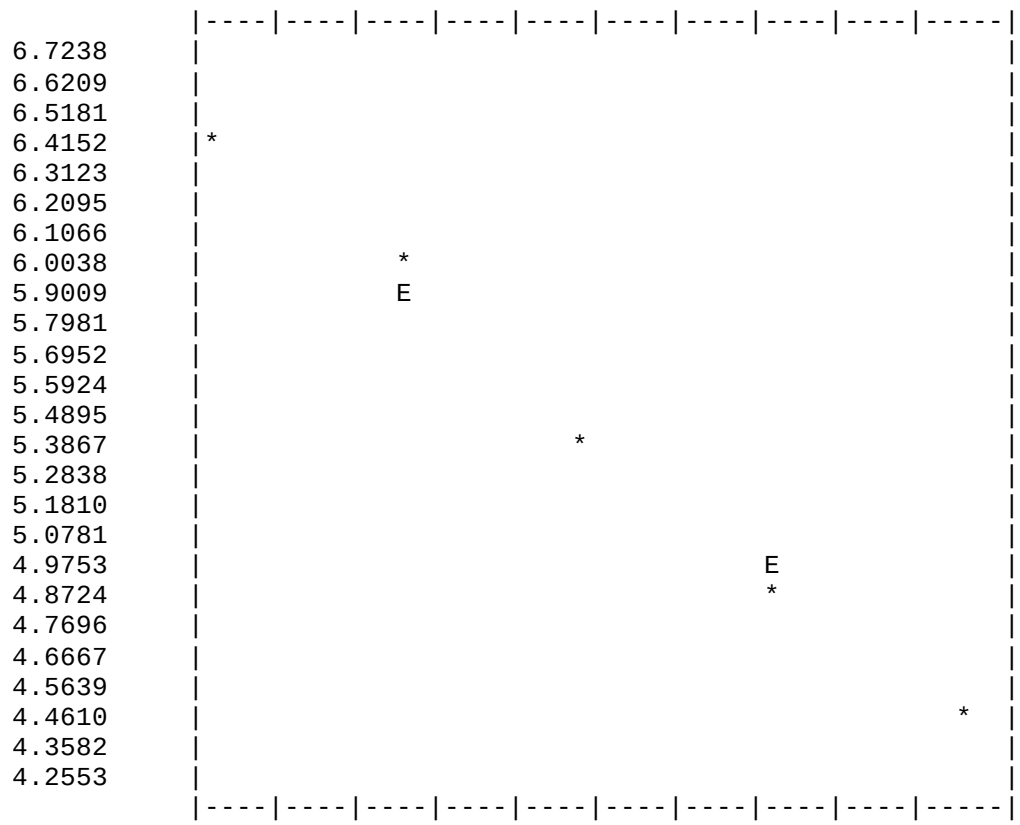
STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.90242	-0.02531	0.99930	0.99861

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	603.	6.40357	6.39614
2	40.	366.	5.90536	5.88986
3	60.	213.	5.36598	5.38358
4	80.	125.	4.83628	4.87730
5	100.	81.	4.40672	4.37103



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.90	2.43

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.37532	-0.03264	0.97761	0.95571

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	147.	4.99721	4.72253
2	40.	42.	3.76120	4.06973
3	60.	26.	3.29584	3.41694
4	80.	16.	2.83321	2.76414
5	100.	8.	2.19722	2.11135

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.2471    |                                                 |
      5.1174    |*                                                |
      4.9878    |                                                 |
      4.8581    |                                                 |
      4.7285    |E                                                |
      4.5988    |                                                 |
      4.4692    |                                                 |
      4.3395    |                                                 |
      4.2099    |                                                 |
      4.0802    |            E                                    |
      3.9506    |                                                 |
      3.8209    |            *                                    |
      3.6912    |                                                 |
      3.5616    |                                                 |
      3.4319    |                       E                         |
      3.3023    |                       *                         |
      3.1726    |                                                 |
      3.0430    |                                                 |
      2.9133    |                                   *             |
      2.7837    |                                   E             |
      2.6540    |                                                 |
      2.5244    |                                                 |
      2.3947    |                                                 |
      2.2651    |                                             *   |
      2.1354    |                                             E   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.45	1.88

LIGHT PROFILE ANALYSES - FOR 2/26/2003

STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.31073	-0.02527	0.97003	0.94096

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	425.	6.05444	5.80543
2	40.	150.	5.01728	5.30013
3	60.	109.	4.70048	4.79483
4	80.	75.	4.33073	4.28953
5	100.	47.	3.87120	3.78422

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.3572    |                                                 |
      6.2467    |                                                 |
      6.1362    |*                                                |
      6.0257    |                                                 |
      5.9152    |E                                                |
      5.8047    |                                                 |
      5.6942    |                                                 |
      5.5838    |                                                 |
      5.4733    |                                                 |
      5.3628    |            E                                    |
      5.2523    |                                                 |
      5.1418    |                                                 |
      5.0313    |            *                                    |
      4.9208    |                                                 |
      4.8104    |                       *                         |
      4.6999    |                                                 |
      4.5894    |                                                 |
      4.4789    |                                                 |
      4.3684    |                                   *             |
      4.2579    |                                                 |
      4.1474    |                                                 |
      4.0370    |                                                 |
      3.9265    |                                              *  |
      3.8160    |                                              E  |
      3.7055    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.89	2.43

LIGHT PROFILE ANALYSES - FOR 3/26/2003

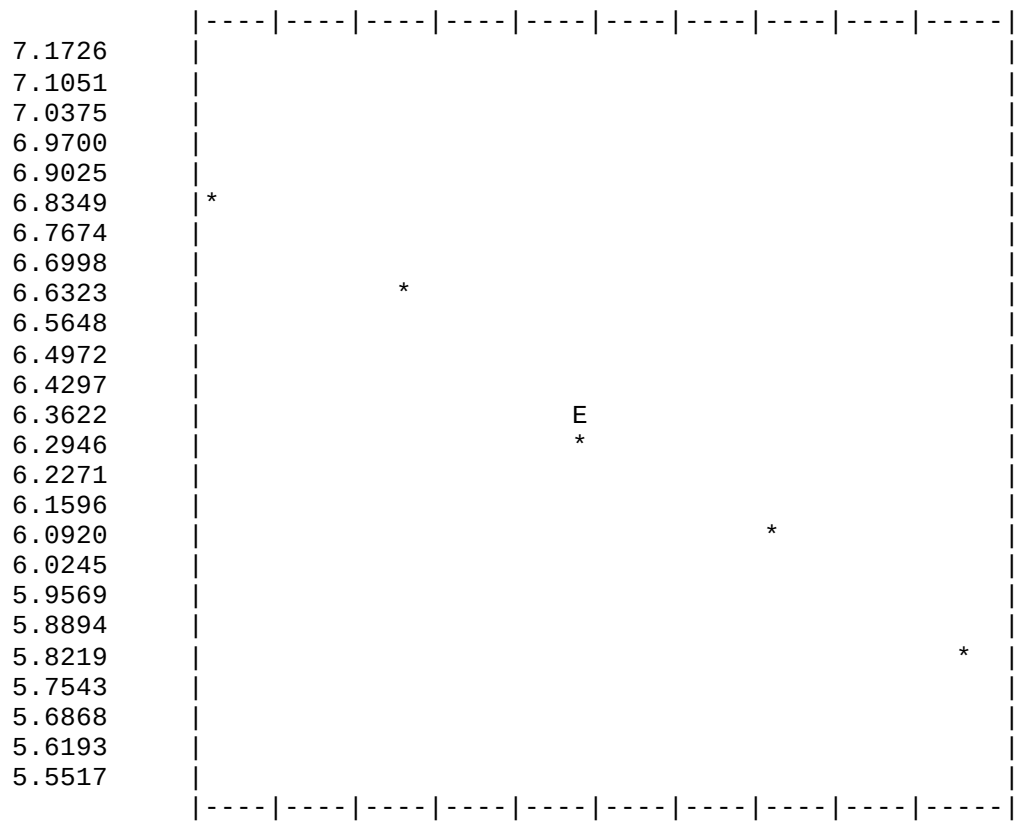
STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.09559	-0.01323	0.99828	0.99657

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	925.	6.83087	6.83104
2	40.	729.	6.59304	6.56649
3	60.	524.	6.26340	6.30194
4	80.	417.	6.03548	6.03739
5	100.	325.	5.78690	5.77284



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
0.99	4.64

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.20223	-0.02154	0.98318	0.96664

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1000.	6.90875	6.77145
2	40.	504.	6.22456	6.34066
3	60.	351.	5.86363	5.90987
4	80.	214.	5.37064	5.47909
5	100.	177.	5.18178	5.04830

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.2542    |                                                 |
      7.1559    |                                                 |
      7.0575    |                                                 |
      6.9592    |*                                                |
      6.8609    |E                                                |
      6.7625    |                                                 |
      6.6642    |                                                 |
      6.5659    |                                                 |
      6.4675    |                                                 |
      6.3692    |            E                                    |
      6.2709    |            *                                    |
      6.1725    |                                                 |
      6.0742    |                                                 |
      5.9759    |                       E                         |
      5.8775    |                       *                         |
      5.7792    |                                                 |
      5.6809    |                                                 |
      5.5825    |                                                 |
      5.4842    |                                   E             |
      5.3859    |                                   *             |
      5.2875    |                                                 |
      5.1892    |                                             *   |
      5.0909    |                                             E   |
      4.9925    |                                                 |
      4.8942    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.62	2.85

LIGHT PROFILE ANALYSES - FOR 3/26/2003

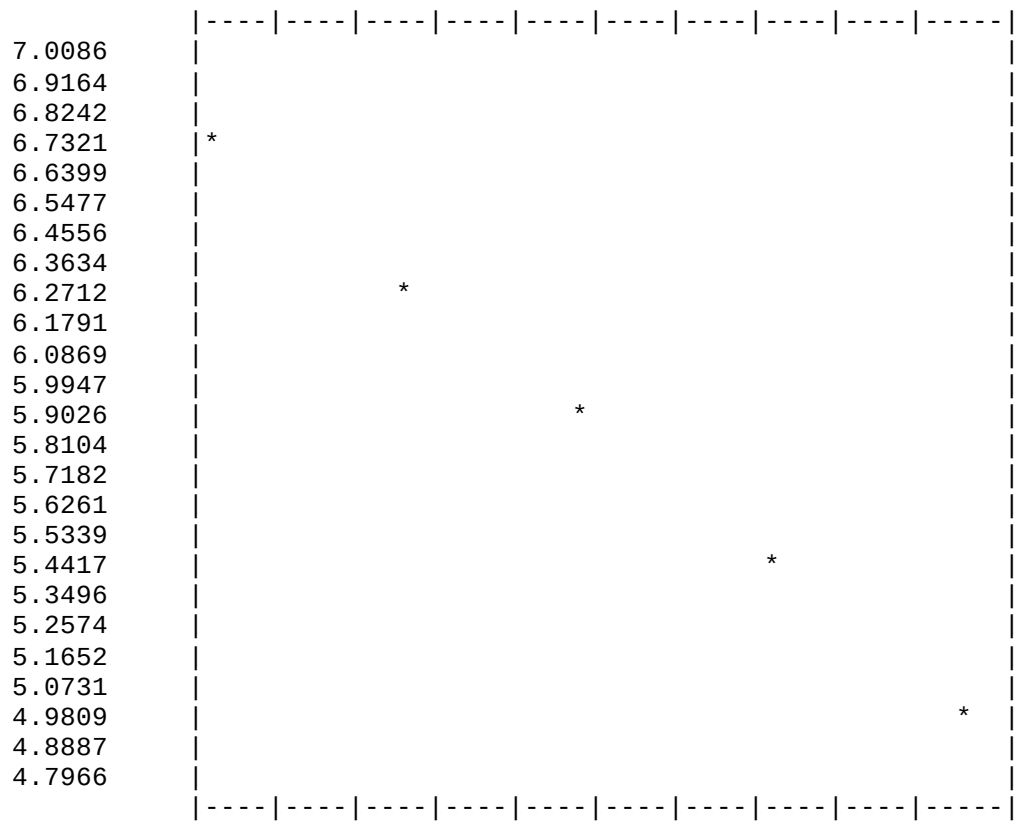
STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.10553	-0.02154	0.99905	0.99810

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	789.	6.67203	6.67483
2	40.	505.	6.22654	6.24412
3	60.	350.	5.86079	5.81341
4	80.	210.	5.35186	5.38270
5	100.	141.	4.95583	4.95199



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.62	2.85

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.33306	-0.01929	0.98648	0.97314

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	368.	5.91080	5.94733
2	40.	299.	5.70378	5.56159
3	60.	157.	5.06259	5.17586
4	80.	113.	4.73620	4.79012
5	100.	86.	4.46591	4.40438

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.2447    |                                                 |
      6.1623    |                                                 |
      6.0799    |                                                 |
      5.9974    |E                                                |
      5.9150    |*                                                |
      5.8326    |                                                 |
      5.7502    |            *                                    |
      5.6677    |                                                 |
      5.5853    |            E                                    |
      5.5029    |                                                 |
      5.4205    |                                                 |
      5.3381    |                                                 |
      5.2556    |                       E                         |
      5.1732    |                                                 |
      5.0908    |                       *                         |
      5.0084    |                                                 |
      4.9260    |                                                 |
      4.8435    |                                   E             |
      4.7611    |                                   *             |
      4.6787    |                                                 |
      4.5963    |                                                 |
      4.5138    |                                                *|
      4.4314    |                                                E|
      4.3490    |                                                 |
      4.2666    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.45	3.18

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.15136	-0.03131	0.99602	0.99205

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	657.	6.48920	6.52522
2	40.	359.	5.88610	5.89909
3	60.	199.	5.29832	5.27295
4	80.	118.	4.77912	4.64682
5	100.	49.	3.91202	4.02069

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8515    |                                                 |
      6.7261    |                                                 |
      6.6007    |*                                                |
      6.4753    |                                                 |
      6.3499    |                                                 |
      6.2245    |                                                 |
      6.0991    |                                                 |
      5.9737    |            *                                    |
      5.8483    |                                                 |
      5.7229    |                                                 |
      5.5975    |                                                 |
      5.4721    |                                                 |
      5.3467    |                       *                         |
      5.2213    |                                                 |
      5.0959    |                                                 |
      4.9704    |                                                 |
      4.8450    |                                  *              |
      4.7196    |                                  E              |
      4.5942    |                                                 |
      4.4688    |                                                 |
      4.3434    |                                                 |
      4.2180    |                                                 |
      4.0926    |                                              E  |
      3.9672    |                                              *  |
      3.8418    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.35	1.96

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.10707	-0.02315	0.98863	0.97740

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	769.	6.64639	6.64400
2	40.	455.	6.12249	6.18093
3	60.	354.	5.87212	5.71785
4	80.	165.	5.11199	5.25478
5	100.	125.	4.83628	4.79171

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9787    |                                                 |
      6.8816    |                                                 |
      6.7846    |                                                 |
      6.6875    |*                                                |
      6.5905    |                                                 |
      6.4934    |                                                 |
      6.3963    |                                                 |
      6.2993    |                                                 |
      6.2022    |            *                                    |
      6.1051    |                                                 |
      6.0081    |                                                 |
      5.9110    |                       *                         |
      5.8139    |                       E                         |
      5.7169    |                                                 |
      5.6198    |                                                 |
      5.5228    |                                                 |
      5.4257    |                                                 |
      5.3286    |                                 E               |
      5.2316    |                                                 |
      5.1345    |                                 *               |
      5.0374    |                                                 |
      4.9404    |                                                 |
      4.8433    |                                             *   |
      4.7462    |                                                 |
      4.6492    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.74	2.65

LIGHT PROFILE ANALYSES - FOR 3/26/2003

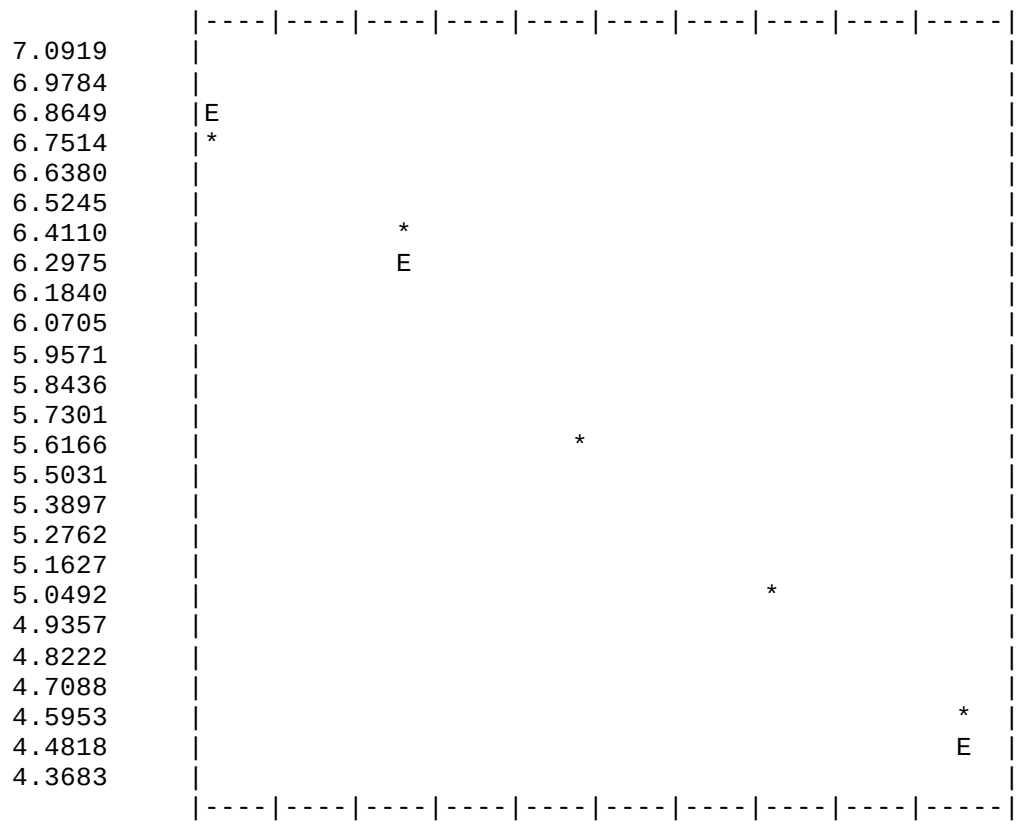
STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.32302	-0.02844	0.99448	0.98899

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	822.	6.71296	6.75417
2	40.	554.	6.31897	6.18532
3	60.	253.	5.53733	5.61647
4	80.	143.	4.96981	5.04763
5	100.	93.	4.54329	4.47878



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.13	2.16

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.34380	-0.02901	0.99525	0.99053

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	807.	6.69456	6.76366
2	40.	523.	6.26149	6.18352
3	60.	261.	5.56834	5.60338
4	80.	169.	5.13580	5.02324
5	100.	77.	4.35671	4.44310

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1018    |                                                 |
      6.9833    |                                                 |
      6.8648    |E                                                |
      6.7463    |*                                                |
      6.6278    |                                                 |
      6.5093    |                                                 |
      6.3907    |                                                 |
      6.2722    |            *                                    |
      6.1537    |                                                 |
      6.0352    |                                                 |
      5.9167    |                                                 |
      5.7981    |                                                 |
      5.6796    |                       *                         |
      5.5611    |                                                 |
      5.4426    |                                                 |
      5.3241    |                                                 |
      5.2055    |                                   *             |
      5.0870    |                                   E             |
      4.9685    |                                                 |
      4.8500    |                                                 |
      4.7315    |                                                 |
      4.6129    |                                                 |
      4.4944    |                                             E   |
      4.3759    |                                             *   |
      4.2574    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.18	2.12

LIGHT PROFILE ANALYSES - FOR 3/26/2003

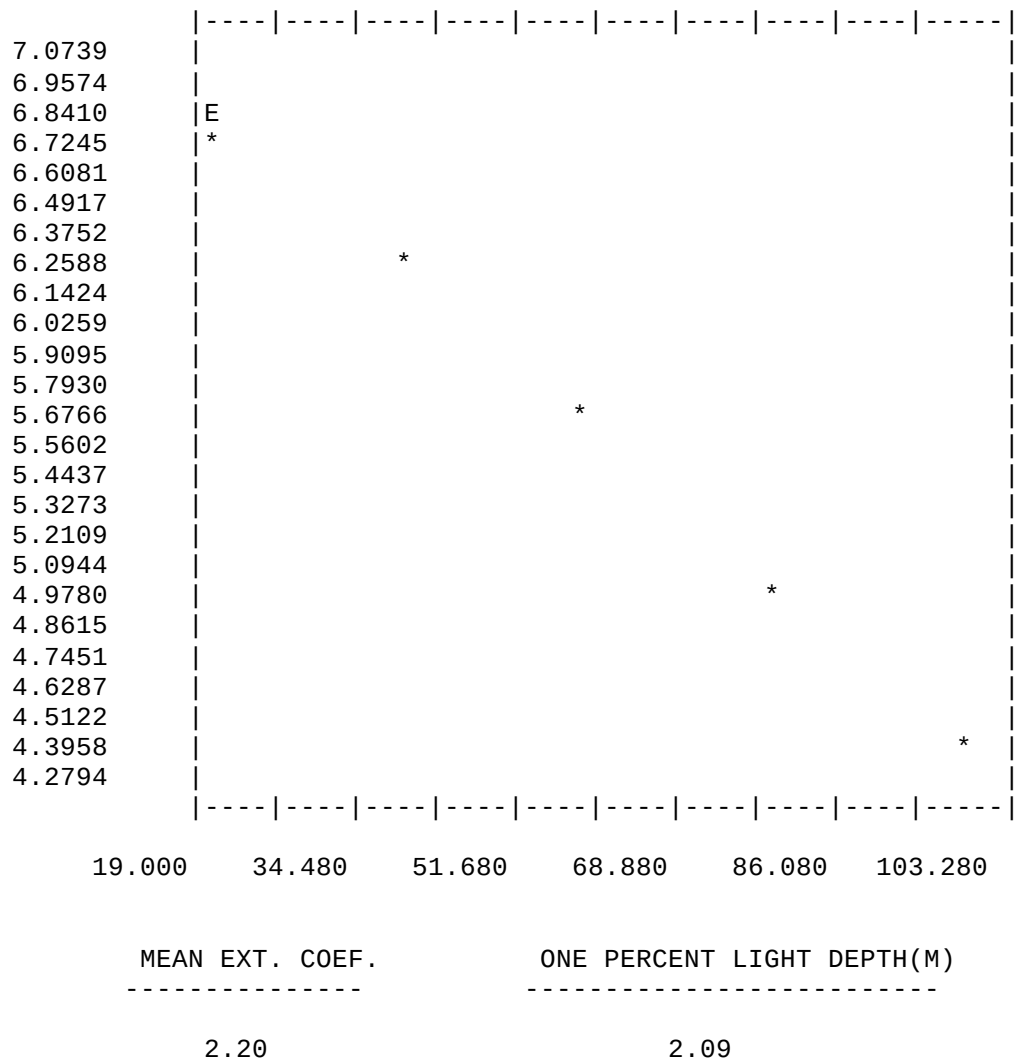
STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.32400	-0.02935	0.99992	0.99985

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	830.	6.72263	6.73701
2	40.	475.	6.16542	6.15002
3	60.	261.	5.56834	5.56303
4	80.	144.	4.97673	4.97604
5	100.	79.	4.38203	4.38905



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.20	2.09

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.41117	-0.03109	0.98644	0.97307

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	810.	6.69827	6.78938
2	40.	444.	6.09807	6.16759
3	60.	329.	5.79909	5.54580
4	80.	146.	4.99043	4.92401
5	100.	62.	4.14313	4.30222

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1289    |                                                 |
      7.0011    |                                                 |
      6.8734    |E                                                |
      6.7457    |*                                                |
      6.6180    |                                                 |
      6.4903    |                                                 |
      6.3626    |                                                 |
      6.2348    |            E                                    |
      6.1071    |            *                                    |
      5.9794    |                                                 |
      5.8517    |                       *                         |
      5.7240    |                                                 |
      5.5963    |                       E                         |
      5.4686    |                                                 |
      5.3408    |                                                 |
      5.2131    |                                                 |
      5.0854    |                                   *             |
      4.9577    |                                   E             |
      4.8300    |                                                 |
      4.7023    |                                                 |
      4.5745    |                                                 |
      4.4468    |                                                 |
      4.3191    |                                             E   |
      4.1914    |                                             *   |
      4.0637    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.33	1.98

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.60290	-0.03829	0.99396	0.98796

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	824.	6.71538	6.83714
2	40.	527.	6.26910	6.07138
3	60.	183.	5.21494	5.30562
4	80.	100.	4.61512	4.53986
5	100.	40.	3.71357	3.77410

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1790    |                                                 |
      7.0330    |                                                 |
      6.8869    |E                                                |
      6.7409    |*                                                |
      6.5948    |                                                 |
      6.4488    |                                                 |
      6.3027    |            *                                    |
      6.1567    |            E                                    |
      6.0106    |                                                 |
      5.8646    |                                                 |
      5.7186    |                                                 |
      5.5725    |                                                 |
      5.4265    |                       E                         |
      5.2804    |                       *                         |
      5.1344    |                                                 |
      4.9883    |                                                 |
      4.8423    |                                                 |
      4.6962    |                                   *             |
      4.5502    |                                   E             |
      4.4042    |                                                 |
      4.2581    |                                                 |
      4.1121    |                                                 |
      3.9660    |                                                 |
      3.8200    |                                             *   |
      3.6739    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.87	1.60

LIGHT PROFILE ANALYSES - FOR 3/26/2003

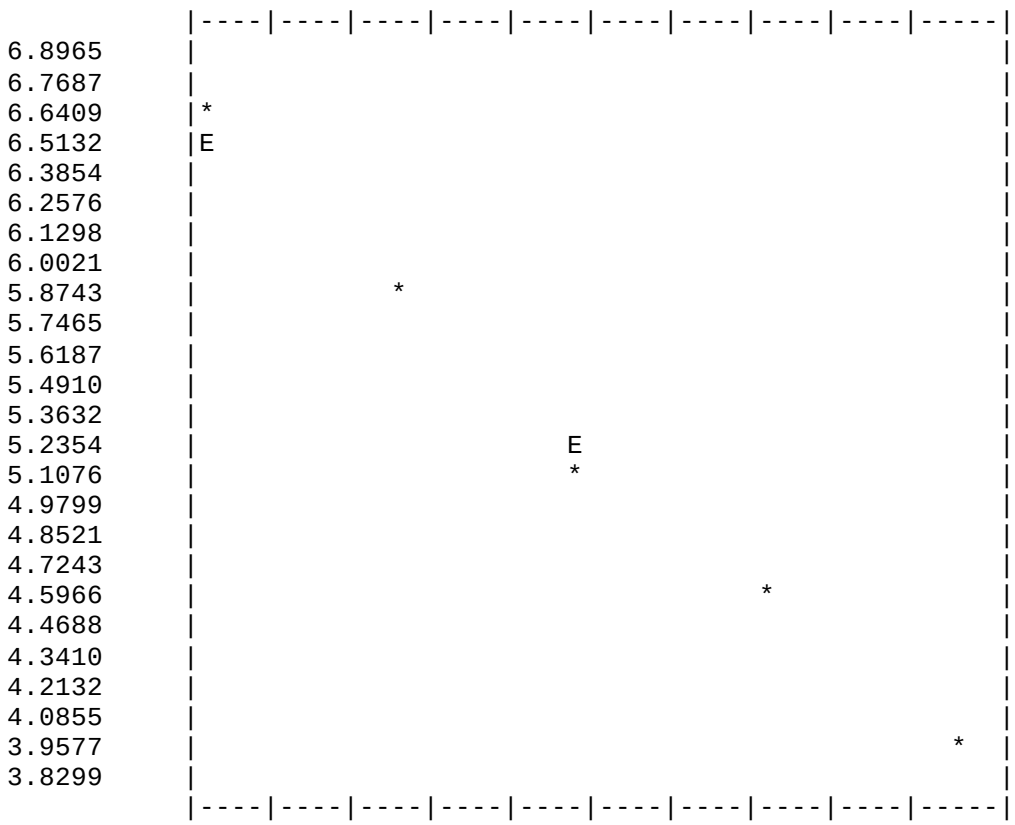
STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.15828	-0.03261	0.99643	0.99288

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	711.	6.56808	6.50602
2	40.	351.	5.86363	5.85376
3	60.	155.	5.04986	5.20150
4	80.	96.	4.57471	4.54924
5	100.	51.	3.95124	3.89699



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.45	1.88

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.07258	-0.03385	0.99920	0.99840

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	618.	6.42811	6.39554
2	40.	304.	5.72031	5.71849
3	60.	146.	4.99043	5.04145
4	80.	75.	4.33073	4.36441
5	100.	41.	3.73767	3.68736

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.7495    |                                                 |
      6.6196    |                                                 |
      6.4898    |*                                                |
      6.3599    |                                                 |
      6.2301    |                                                 |
      6.1002    |                                                 |
      5.9703    |                                                 |
      5.8405    |            *                                    |
      5.7106    |                                                 |
      5.5808    |                                                 |
      5.4509    |                                                 |
      5.3210    |                                                 |
      5.1912    |                                                 |
      5.0613    |                       *                         |
      4.9315    |                                                 |
      4.8016    |                                                 |
      4.6717    |                                                 |
      4.5419    |                                                 |
      4.4120    |                                   *             |
      4.2822    |                                                 |
      4.1523    |                                                 |
      4.0224    |                                                 |
      3.8926    |                                                 |
      3.7627    |                                              *  |
      3.6329    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.54	1.81

LIGHT PROFILE ANALYSES - FOR 3/26/2003

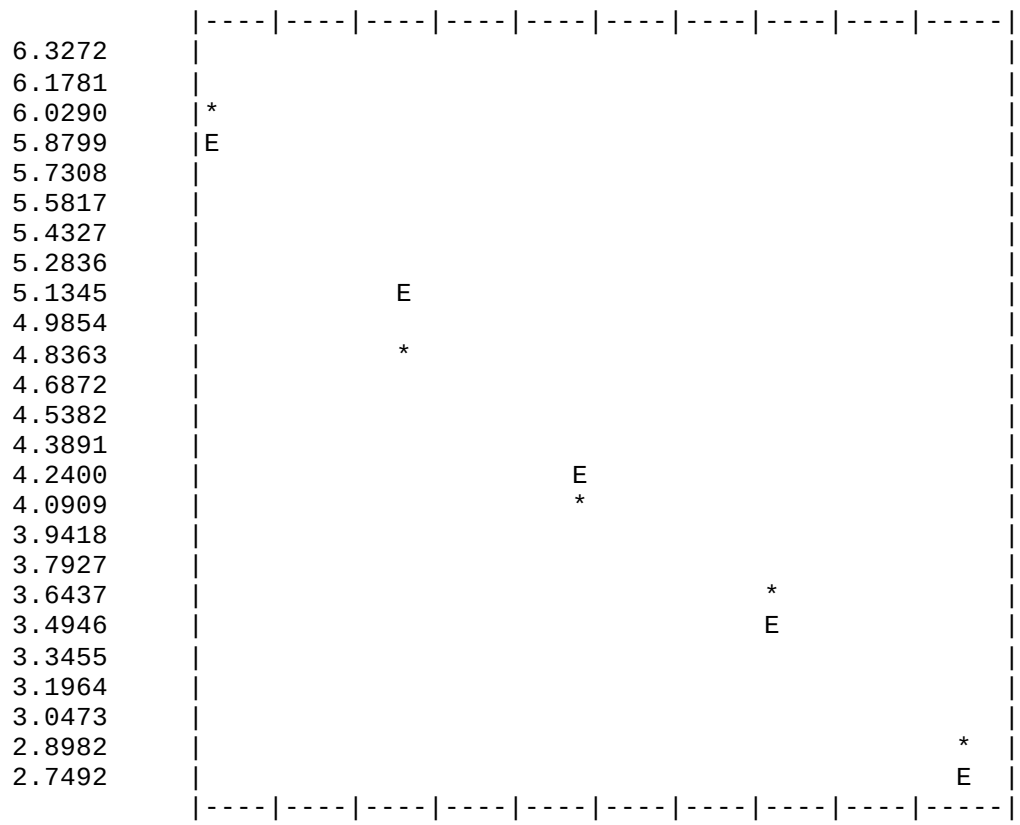
STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.49221	-0.03755	0.98001	0.96042

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	413.	6.02587	5.74115
2	40.	113.	4.73620	4.99009
3	60.	53.	3.98898	4.23904
4	80.	36.	3.61092	3.48798
5	100.	16.	2.83321	2.73692



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.82	1.64

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.41788	-0.04032	0.99673	0.99348

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	743.	6.61204	6.61153
2	40.	296.	5.69373	5.80518
3	60.	168.	5.12990	4.99884
4	80.	70.	4.26268	4.19249
5	100.	26.	3.29584	3.38615

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9426    |                                                 |
      6.7902    |                                                 |
      6.6377    |*                                                |
      6.4853    |                                                 |
      6.3328    |                                                 |
      6.1803    |                                                 |
      6.0279    |                                                 |
      5.8754    |            E                                    |
      5.7229    |            *                                    |
      5.5705    |                                                 |
      5.4180    |                                                 |
      5.2655    |                       *                         |
      5.1131    |                       E                         |
      4.9606    |                                                 |
      4.8081    |                                                 |
      4.6557    |                                                 |
      4.5032    |                                                 |
      4.3508    |                                   *             |
      4.1983    |                                   E             |
      4.0458    |                                                 |
      3.8934    |                                                 |
      3.7409    |                                                 |
      3.5884    |                                                 |
      3.4360    |                                             *   |
      3.2835    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.02	1.52

LIGHT PROFILE ANALYSES - FOR 3/26/2003

STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.69667	-0.03253	0.99325	0.98654

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	488.	6.19236	6.04606
2	40.	191.	5.25750	5.39545
3	60.	102.	4.63473	4.74485
4	80.	62.	4.14313	4.09424
5	100.	32.	3.49651	3.44363

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.5020    |                                                 |
      6.3728    |                                                 |
      6.2435    |*                                                |
      6.1143    |E                                                |
      5.9851    |                                                 |
      5.8559    |                                                 |
      5.7267    |                                                 |
      5.5974    |                                                 |
      5.4682    |            E                                    |
      5.3390    |            *                                    |
      5.2098    |                                                 |
      5.0805    |                                                 |
      4.9513    |                                                 |
      4.8221    |                       E                         |
      4.6929    |                       *                         |
      4.5637    |                                                 |
      4.4344    |                                                 |
      4.3052    |                                                 |
      4.1760    |                                   *             |
      4.0468    |                                                 |
      3.9176    |                                                 |
      3.7883    |                                                 |
      3.6591    |                                                 |
      3.5299    |                                             *   |
      3.4007    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.44	1.89

LIGHT PROFILE ANALYSES - FOR 4/23/2003

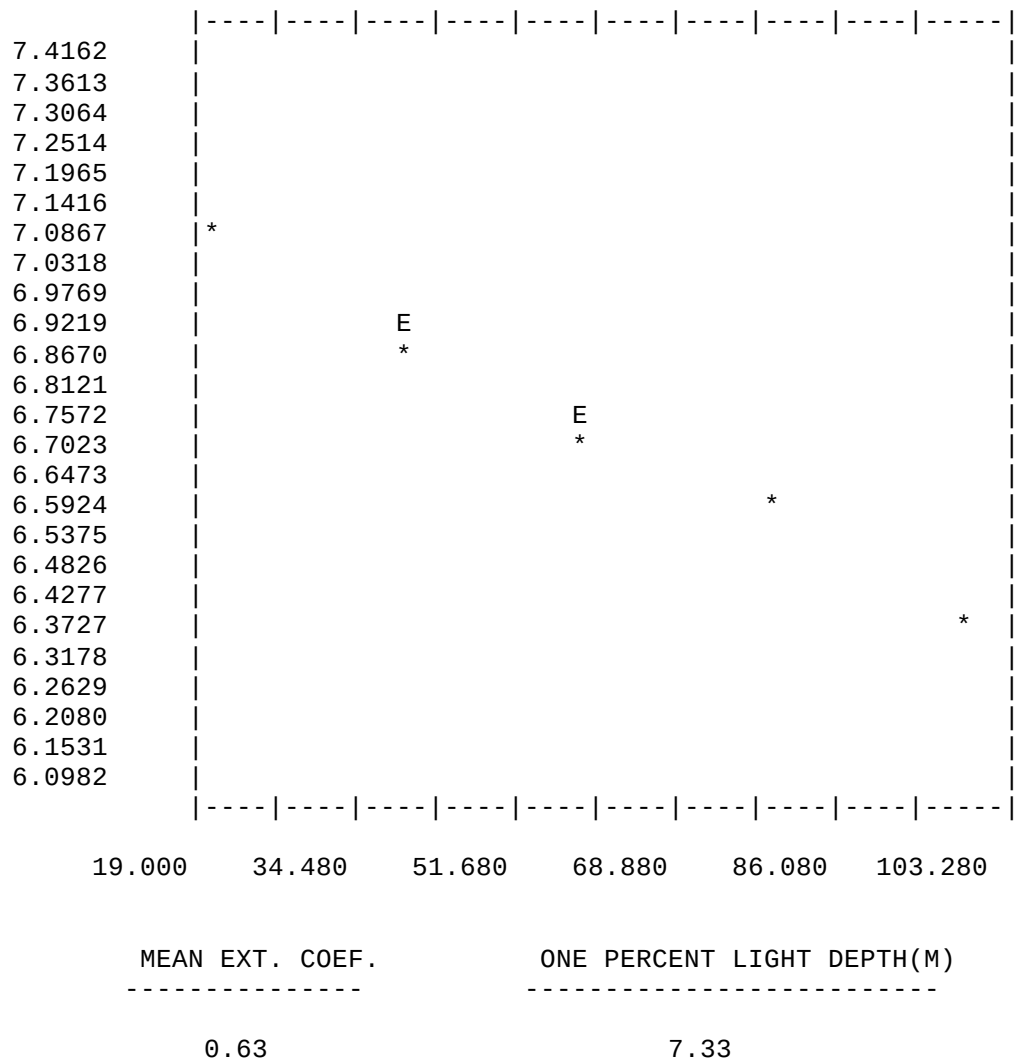
STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.20840	-0.00838	0.99539	0.99080

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1167.	7.06305	7.04077
2	40.	933.	6.83948	6.87314
3	60.	809.	6.69703	6.70551
4	80.	710.	6.56667	6.53788
5	100.	578.	6.36130	6.37025



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
0.63	7.33

LIGHT PROFILE ANALYSES - FOR 4/23/2003

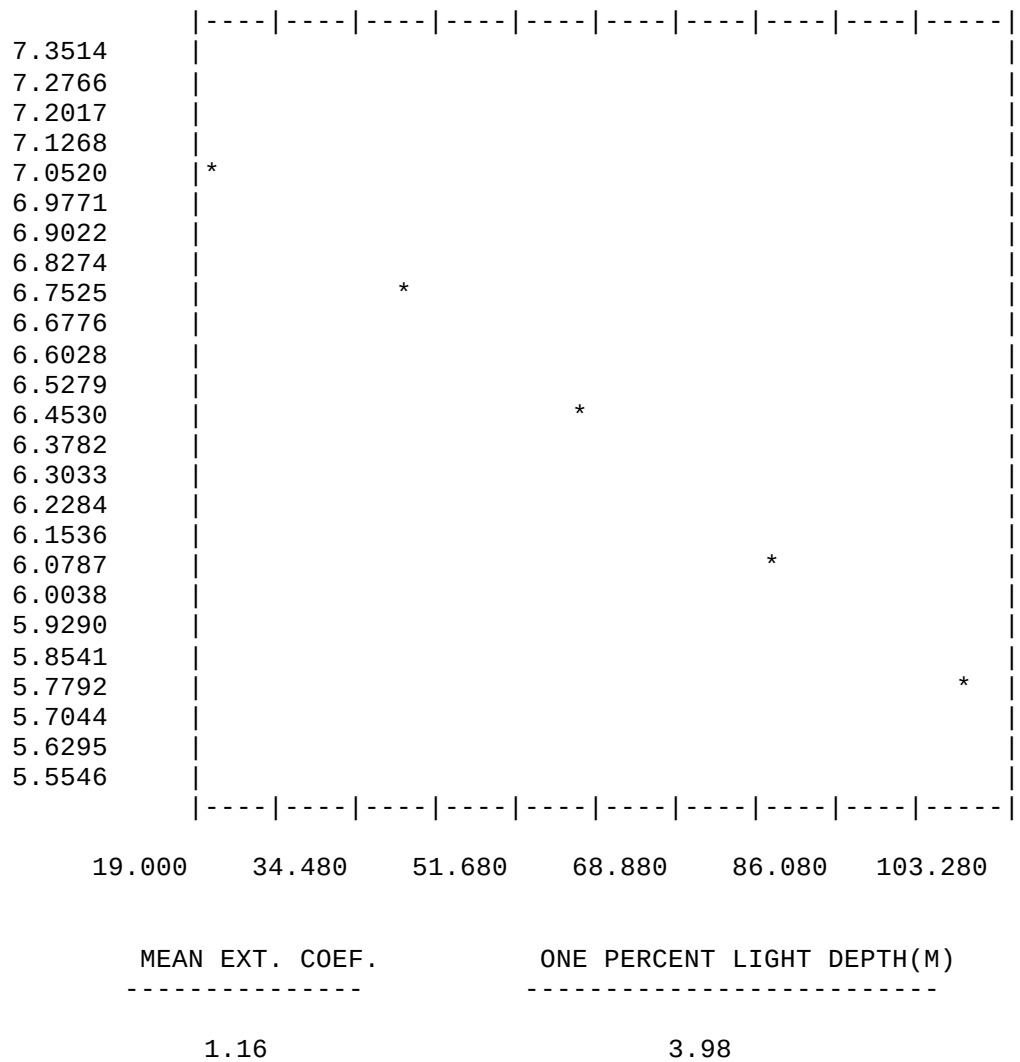
STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.30965	-0.01541	0.99907	0.99814

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1076.	6.98193	7.00135
2	40.	830.	6.72263	6.69306
3	60.	595.	6.39024	6.38476
4	80.	425.	6.05444	6.07646
5	100.	321.	5.77455	5.76817



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.16	3.98

LIGHT PROFILE ANALYSES - FOR 4/23/2003

STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.30734	-0.01465	0.99823	0.99646

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1143.	7.04229	7.01431
2	40.	819.	6.70930	6.72128
3	60.	593.	6.38688	6.42826
4	80.	464.	6.14204	6.13523
5	100.	350.	5.86079	5.84221

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.3944    |                                                 |
      7.3206    |                                                 |
      7.2469    |                                                 |
      7.1731    |                                                 |
      7.0993    |*                                                |
      7.0255    |E                                                |
      6.9518    |                                                 |
      6.8780    |                                                 |
      6.8042    |                                                 |
      6.7305    |            *                                    |
      6.6567    |                                                 |
      6.5829    |                                                 |
      6.5091    |                                                 |
      6.4354    |                       *                         |
      6.3616    |                                                 |
      6.2878    |                                                 |
      6.2140    |                                   *             |
      6.1403    |                                   E             |
      6.0665    |                                                 |
      5.9927    |                                                 |
      5.9190    |                                             *   |
      5.8452    |                                             E   |
      5.7714    |                                                 |
      5.6976    |                                                 |
      5.6239    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.10	4.19

LIGHT PROFILE ANALYSES - FOR 4/23/2003

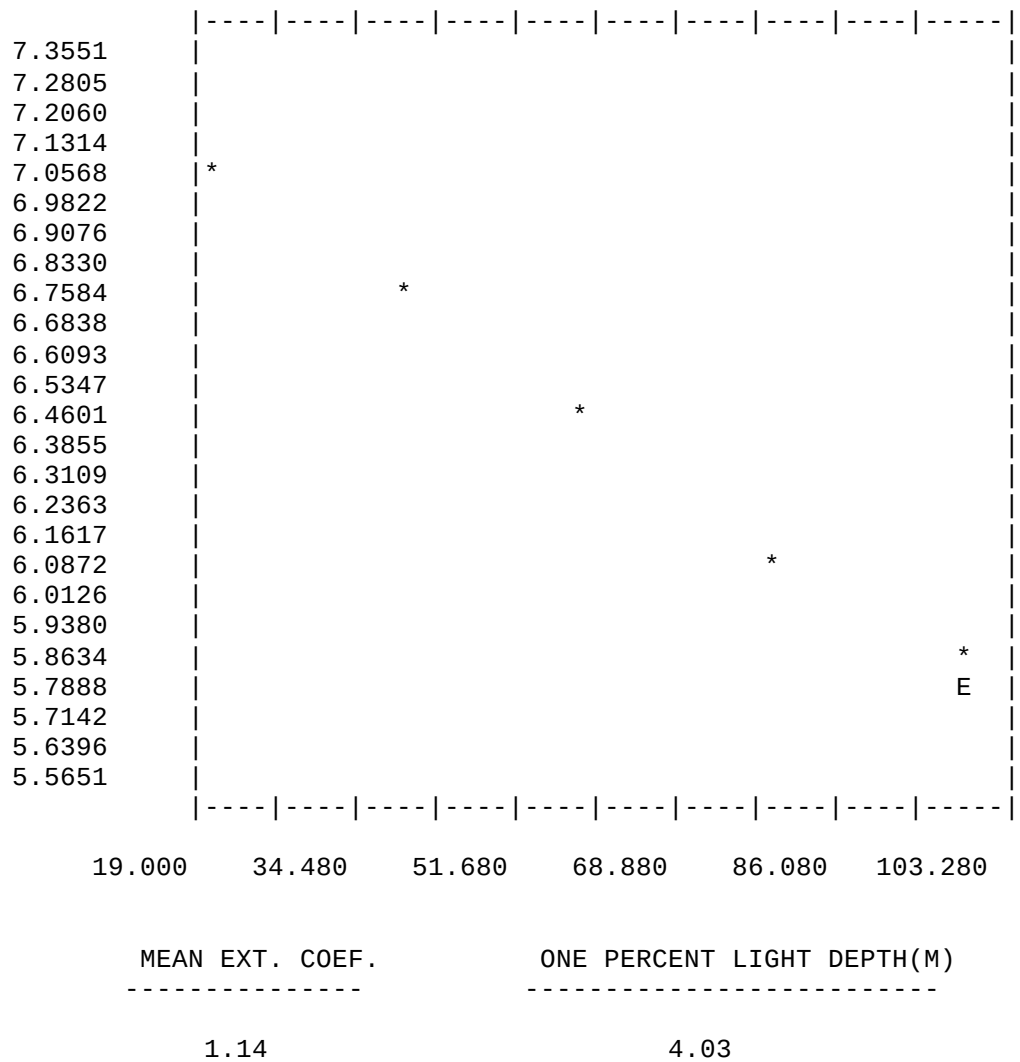
STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.30402	-0.01525	0.99890	0.99780

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1101.	7.00488	6.99910
2	40.	809.	6.69703	6.69418
3	60.	596.	6.39192	6.38927
4	80.	422.	6.04737	6.08435
5	100.	331.	5.80513	5.77944



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.14	4.03

LIGHT PROFILE ANALYSES - FOR 4/23/2003

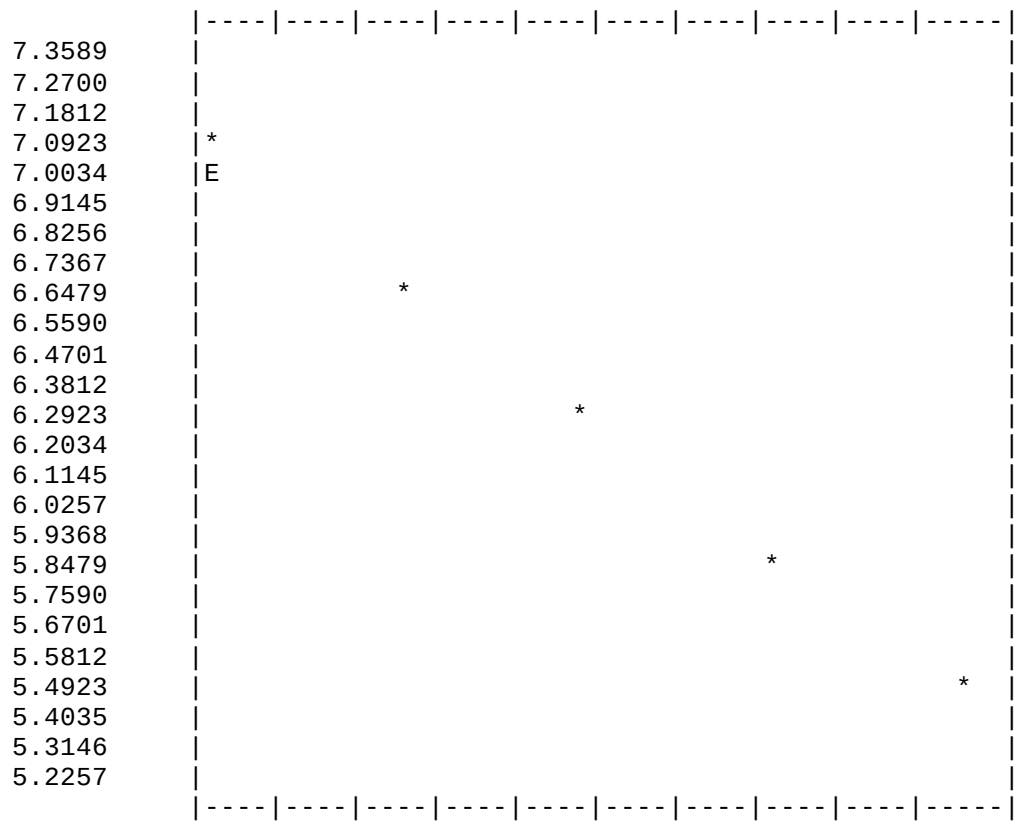
STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.39530	-0.01969	0.99934	0.99868

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1105.	7.00851	7.00147
2	40.	719.	6.57925	6.60763
3	60.	507.	6.23048	6.21379
4	80.	344.	5.84354	5.81995
5	100.	222.	5.40717	5.42612



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.48	3.12

LIGHT PROFILE ANALYSES - FOR 4/23/2003

STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.26852	-0.01421	0.93891	0.88155

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1316.	7.18311	6.98441
2	40.	698.	6.54965	6.70029
3	60.	509.	6.23441	6.41618
4	80.	469.	6.15273	6.13207
5	100.	387.	5.96101	5.84796

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.5423    |                                                 |
      7.4628    |                                                 |
      7.3833    |                                                 |
      7.3039    |                                                 |
      7.2244    |*                                                |
      7.1449    |                                                 |
      7.0655    |                                                 |
      6.9860    |E                                                |
      6.9065    |                                                 |
      6.8271    |                                                 |
      6.7476    |            E                                    |
      6.6681    |                                                 |
      6.5886    |            *                                    |
      6.5092    |                                                 |
      6.4297    |                       E                         |
      6.3502    |                                                 |
      6.2708    |                       *                         |
      6.1913    |                                   *             |
      6.1118    |                                                 |
      6.0324    |                                             *   |
      5.9529    |                                                 |
      5.8734    |                                             E   |
      5.7940    |                                                 |
      5.7145    |                                                 |
      5.6350    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.07	4.32

LIGHT PROFILE ANALYSES - FOR 4/23/2003

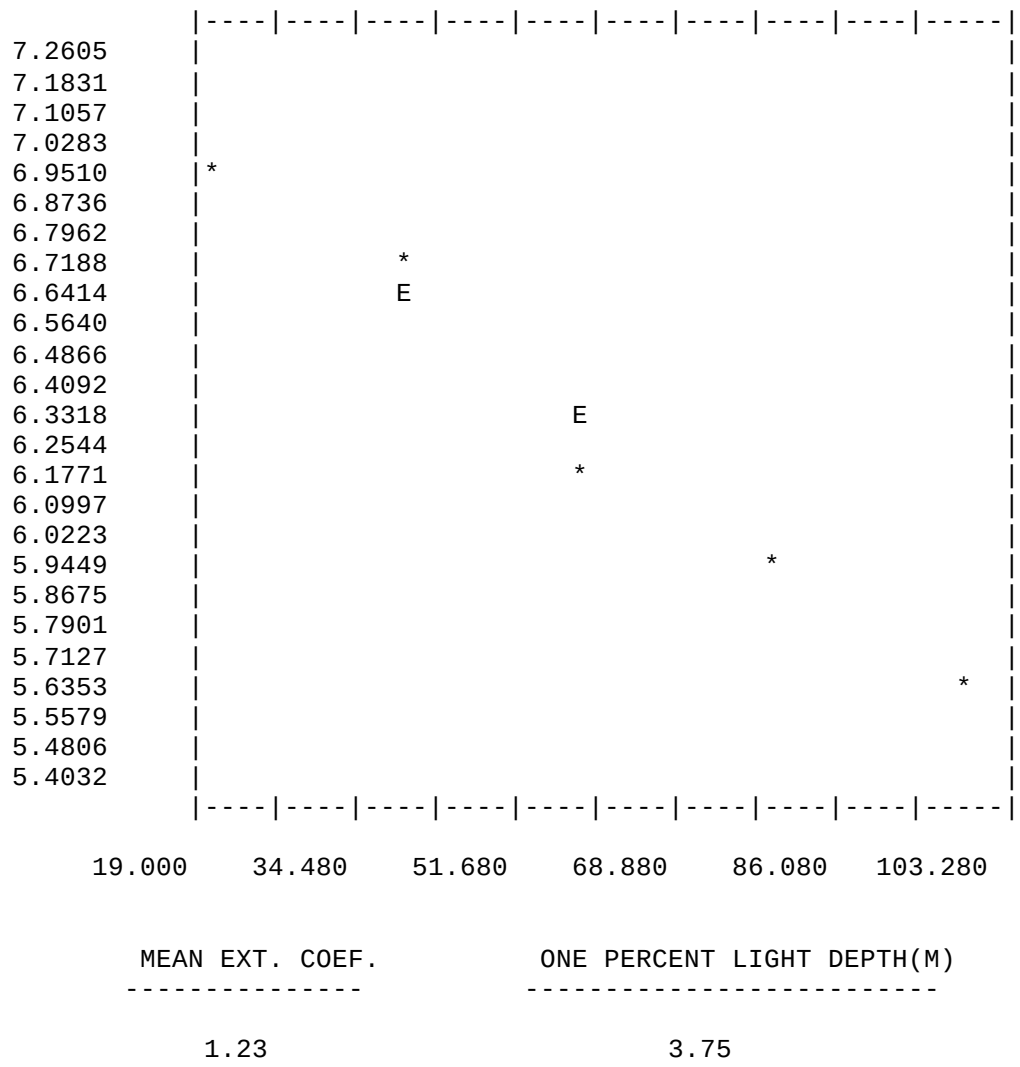
STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.24195	-0.01636	0.99425	0.98853

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1001.	6.90975	6.91478
2	40.	772.	6.65028	6.58760
3	60.	478.	6.17170	6.26043
4	80.	380.	5.94280	5.93326
5	100.	277.	5.62762	5.60608



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.23	3.75

LIGHT PROFILE ANALYSES - FOR 4/23/2003

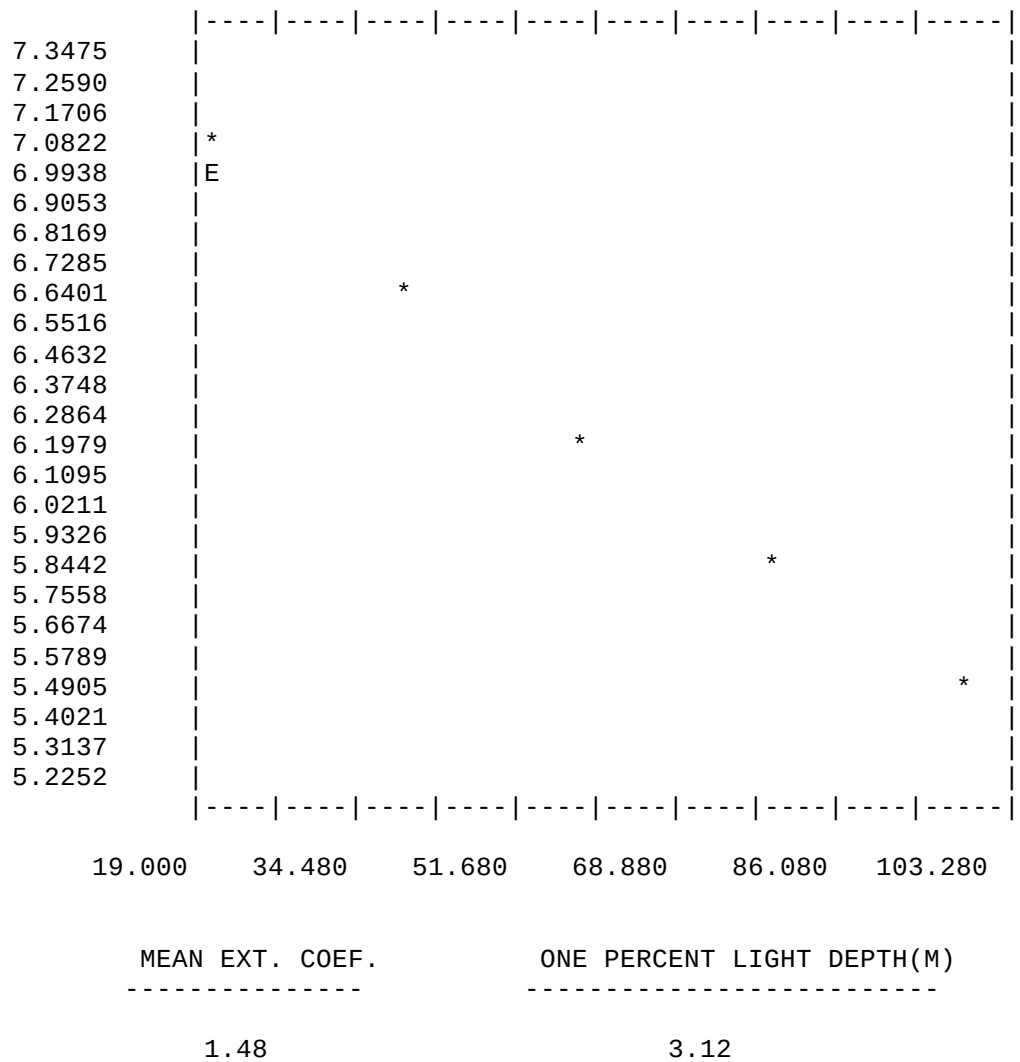
STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.37466	-0.01968	0.99826	0.99651

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1093.	6.99760	6.98116
2	40.	739.	6.60665	6.58766
3	60.	458.	6.12905	6.19416
4	80.	332.	5.80814	5.80066
5	100.	227.	5.42935	5.40715



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.48	3.12

LIGHT PROFILE ANALYSES - FOR 4/23/2003

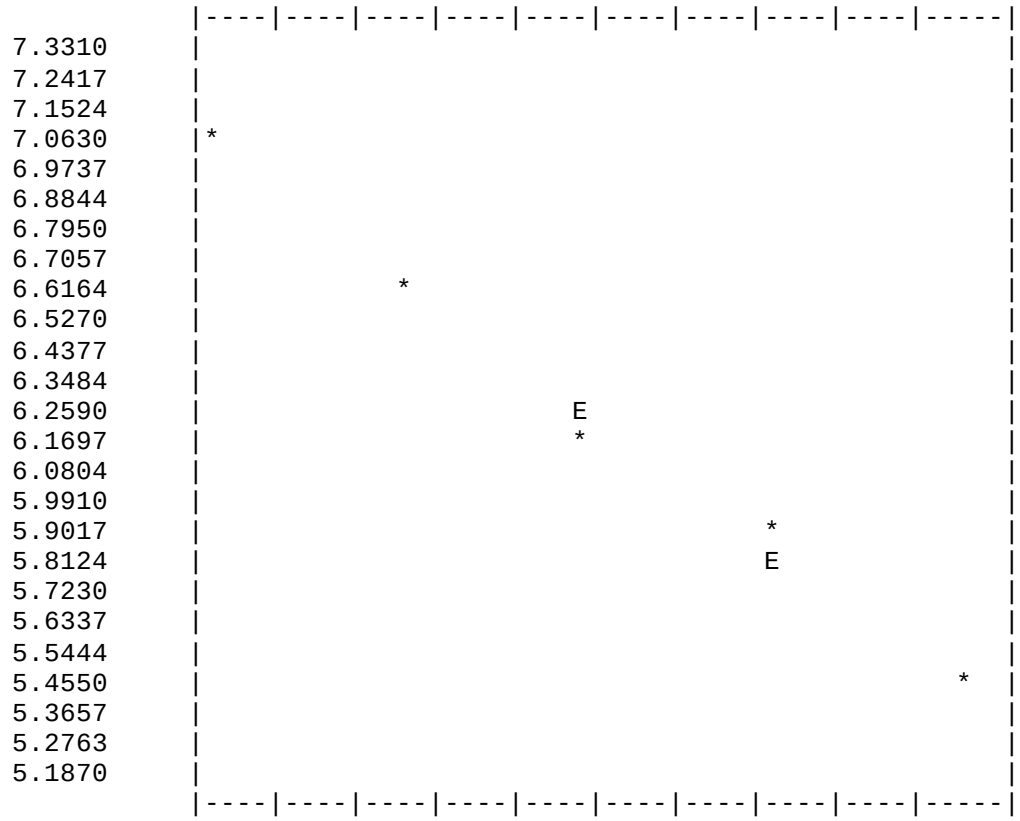
STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.37568	-0.01997	0.99928	0.99855

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1076.	6.98193	6.97625
2	40.	717.	6.57647	6.57682
3	60.	467.	6.14847	6.17740
4	80.	334.	5.81413	5.77797
5	100.	213.	5.36598	5.37854



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.50	3.07

LIGHT PROFILE ANALYSES - FOR 4/23/2003

STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.36625	-0.02137	0.99849	0.99698

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1058.	6.96508	6.93887
2	40.	650.	6.47851	6.51149
3	60.	447.	6.10479	6.08411
4	80.	272.	5.60947	5.65673
5	100.	192.	5.26269	5.22935

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.3133    |                                                 |
      7.2195    |                                                 |
      7.1257    |                                                 |
      7.0319    |*                                                |
      6.9381    |                                                 |
      6.8442    |                                                 |
      6.7504    |                                                 |
      6.6566    |                                                 |
      6.5628    |            *                                    |
      6.4690    |                                                 |
      6.3752    |                                                 |
      6.2813    |                                                 |
      6.1875    |                       *                         |
      6.0937    |                       E                         |
      5.9999    |                                                 |
      5.9061    |                                                 |
      5.8122    |                                                 |
      5.7184    |                                E                |
      5.6246    |                                *                |
      5.5308    |                                                 |
      5.4370    |                                                 |
      5.3432    |                                              *  |
      5.2493    |                                              E  |
      5.1555    |                                                 |
      5.0617    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.60	2.87

LIGHT PROFILE ANALYSES - FOR 4/23/2003

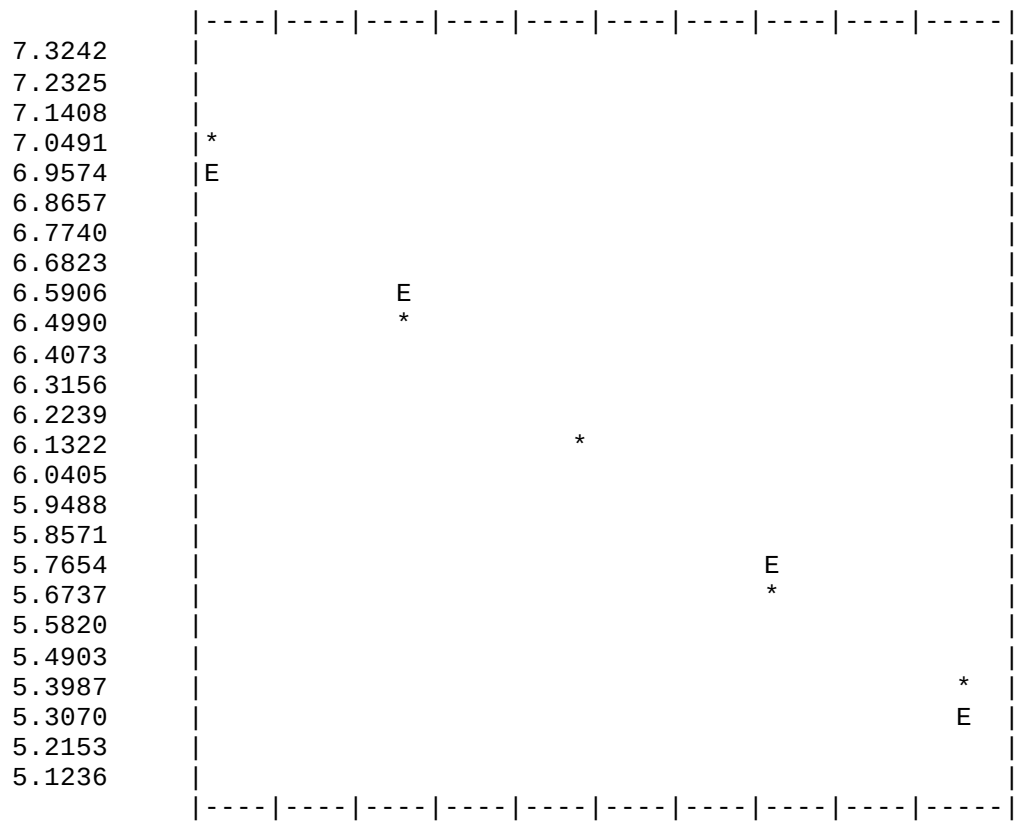
STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.31356	-0.02017	0.99621	0.99243

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1069.	6.97541	6.91019
2	40.	638.	6.45990	6.50683
3	60.	426.	6.05678	6.10346
4	80.	290.	5.67332	5.70009
5	100.	210.	5.35186	5.29672



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.51	3.04

LIGHT PROFILE ANALYSES - FOR 4/23/2003

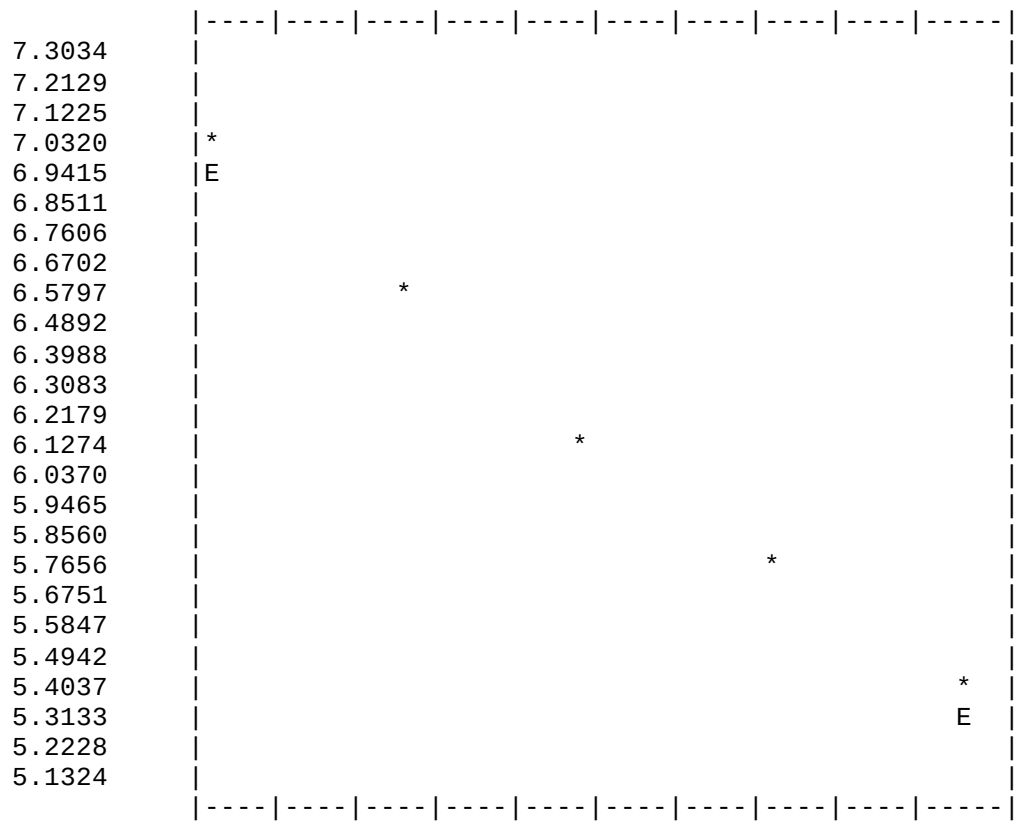
STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.33964	-0.02032	0.99767	0.99535

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1048.	6.95559	6.93317
2	40.	697.	6.54822	6.52669
3	60.	423.	6.04973	6.12022
4	80.	298.	5.70044	5.71375
5	100.	209.	5.34711	5.30727



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.52	3.02

LIGHT PROFILE ANALYSES - FOR 4/23/2003

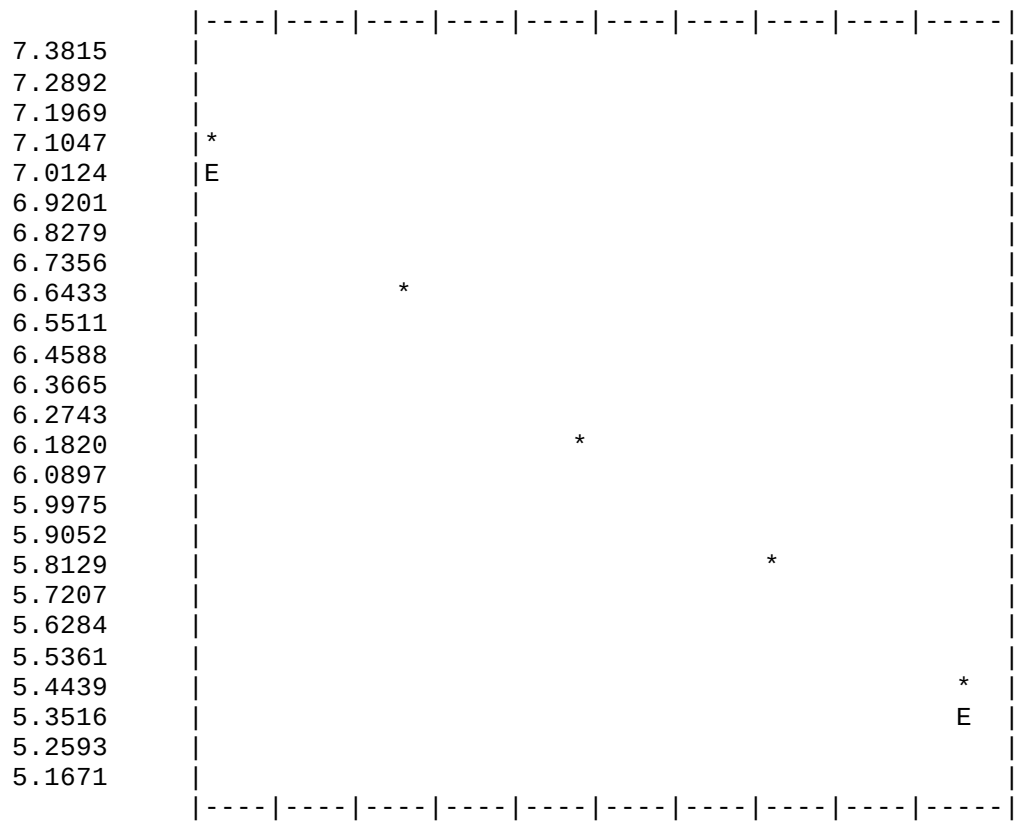
STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.39106	-0.02049	0.99727	0.99454

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1129.	7.02997	6.98122
2	40.	700.	6.55251	6.57139
3	60.	447.	6.10479	6.16155
4	80.	306.	5.72685	5.75171
5	100.	219.	5.39363	5.34188



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.54	3.00

LIGHT PROFILE ANALYSES - FOR 4/23/2003

STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.34783	-0.02114	0.99422	0.98847

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1100.	7.00397	6.92500
2	40.	618.	6.42811	6.50217
3	60.	404.	6.00389	6.07934
4	80.	302.	5.71373	5.65652
5	100.	189.	5.24702	5.23369

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.3542    |                                                 |
      7.2589    |                                                 |
      7.1636    |                                                 |
      7.0683    |*                                                |
      6.9730    |E                                                |
      6.8777    |                                                 |
      6.7825    |                                                 |
      6.6872    |                                                 |
      6.5919    |            E                                    |
      6.4966    |            *                                    |
      6.4013    |                                                 |
      6.3060    |                                                 |
      6.2107    |                                                 |
      6.1154    |                       E                         |
      6.0202    |                       *                         |
      5.9249    |                                                 |
      5.8296    |                                                 |
      5.7343    |                                   *             |
      5.6390    |                                                 |
      5.5437    |                                                 |
      5.4484    |                                                 |
      5.3531    |                                                 |
      5.2579    |                                                *|
      5.1626    |                                                 |
      5.0673    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.59	2.90

LIGHT PROFILE ANALYSES - FOR 4/23/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.08313	-0.02331	0.90547	0.81987

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1129.	7.02997	6.61693
2	40.	350.	5.86079	6.15073
3	60.	204.	5.32301	5.68454
4	80.	173.	5.15906	5.21834
5	100.	155.	5.04986	4.75214

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.3815    |                                                 |
      7.2668    |                                                 |
      7.1521    |                                                 |
      7.0374    |*                                                |
      6.9228    |                                                 |
      6.8081    |                                                 |
      6.6934    |E                                                |
      6.5787    |                                                 |
      6.4641    |                                                 |
      6.3494    |                                                 |
      6.2347    |            E                                    |
      6.1200    |                                                 |
      6.0053    |                                                 |
      5.8907    |            *                                    |
      5.7760    |                       E                         |
      5.6613    |                                                 |
      5.5466    |                                                 |
      5.4320    |                       *                         |
      5.3173    |                                   E             |
      5.2026    |                                   *             |
      5.0879    |                                                *|
      4.9732    |                                                 |
      4.8586    |                                                E|
      4.7439    |                                                 |
      4.6292    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.75	2.63

LIGHT PROFILE ANALYSES - FOR 4/23/2003

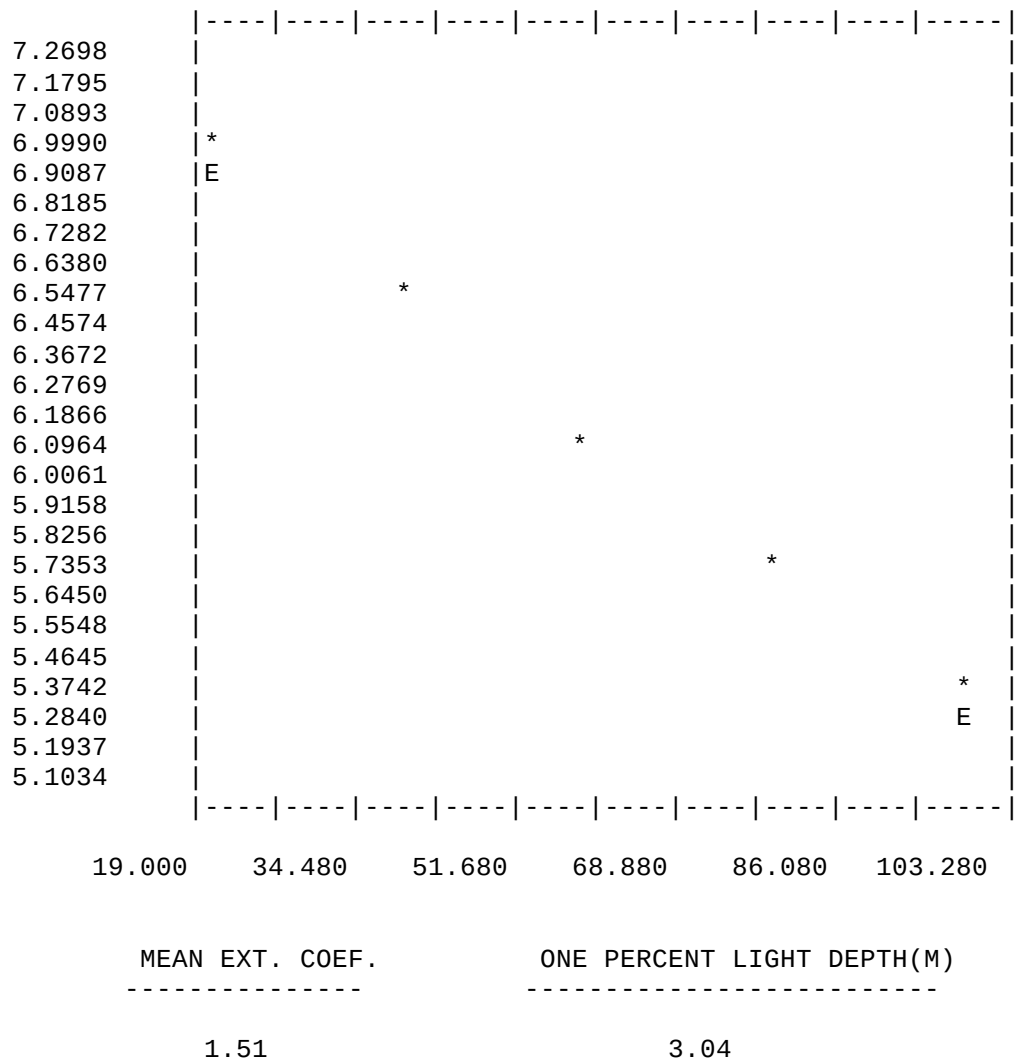
STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.29641	-0.02019	0.99868	0.99737

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1015.	6.92363	6.89253
2	40.	650.	6.47851	6.48866
3	60.	416.	6.03309	6.08478
4	80.	295.	5.69036	5.68090
5	100.	199.	5.29832	5.27703



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.51	3.04

LIGHT PROFILE ANALYSES - FOR 5/27/2003

STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.25602	-0.00700	0.96715	0.93537

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1242.	7.12528	7.11601
2	40.	1031.	6.93925	6.97599
3	60.	920.	6.82546	6.83598
4	80.	888.	6.79010	6.69596
5	100.	664.	6.49979	6.55595

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.4815    |                                                 |
      7.4293    |                                                 |
      7.3770    |                                                 |
      7.3247    |                                                 |
      7.2725    |                                                 |
      7.2202    |                                                 |
      7.1679    |*                                                |
      7.1157    |                                                 |
      7.0634    |                                                 |
      7.0111    |            E                                    |
      6.9588    |            *                                    |
      6.9066    |                                                 |
      6.8543    |                        *                        |
      6.8020    |                                    *            |
      6.7498    |                                                 |
      6.6975    |                                    E            |
      6.6452    |                                                 |
      6.5930    |                                              E  |
      6.5407    |                                              *  |
      6.4884    |                                                 |
      6.4361    |                                                 |
      6.3839    |                                                 |
      6.3316    |                                                 |
      6.2793    |                                                 |
      6.2271    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
0.53	8.77

LIGHT PROFILE ANALYSES - FOR 5/27/2003

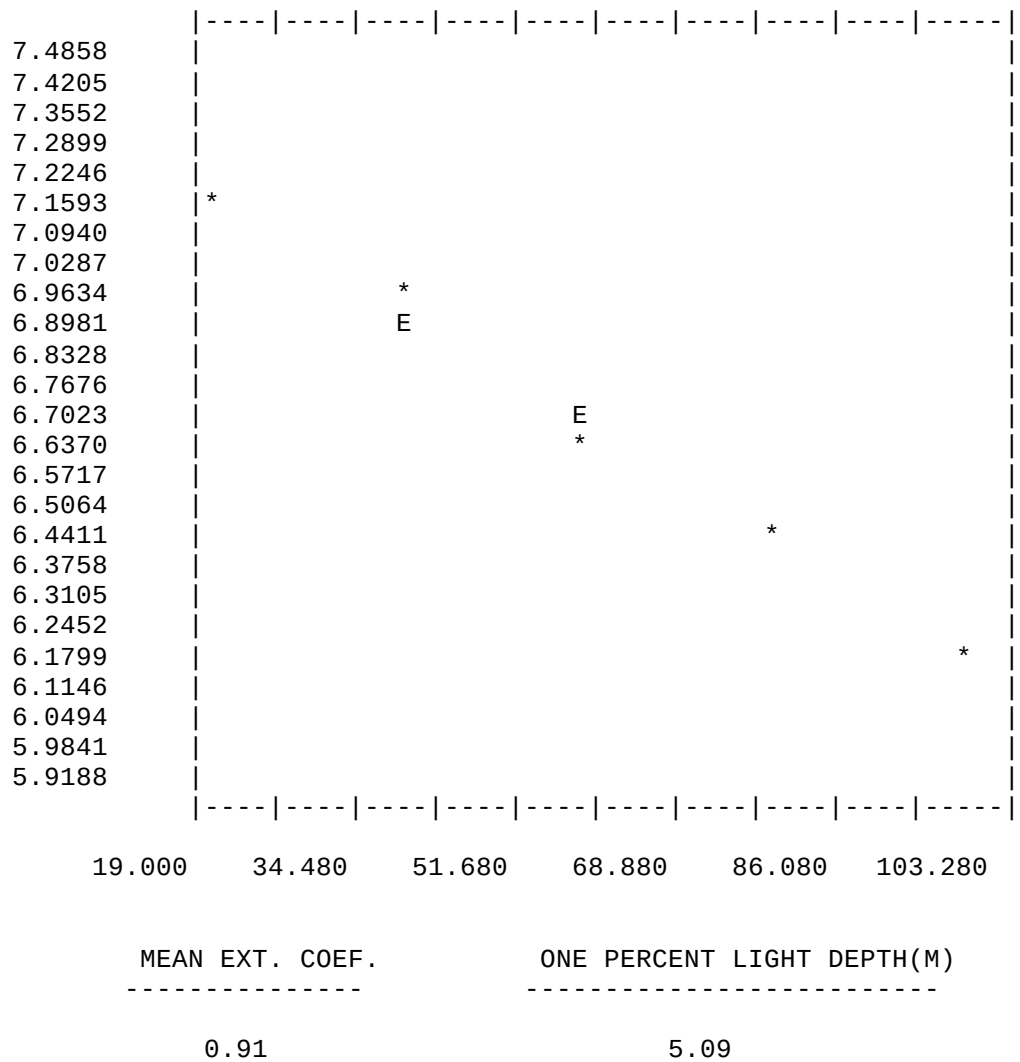
STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.36849	-0.01207	0.99870	0.99740

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1247.	7.12930	7.12710
2	40.	996.	6.90475	6.88572
3	60.	746.	6.61607	6.64433
4	80.	597.	6.39359	6.40294
5	100.	481.	6.17794	6.16156



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
0.91	5.09

LIGHT PROFILE ANALYSES - FOR 5/27/2003

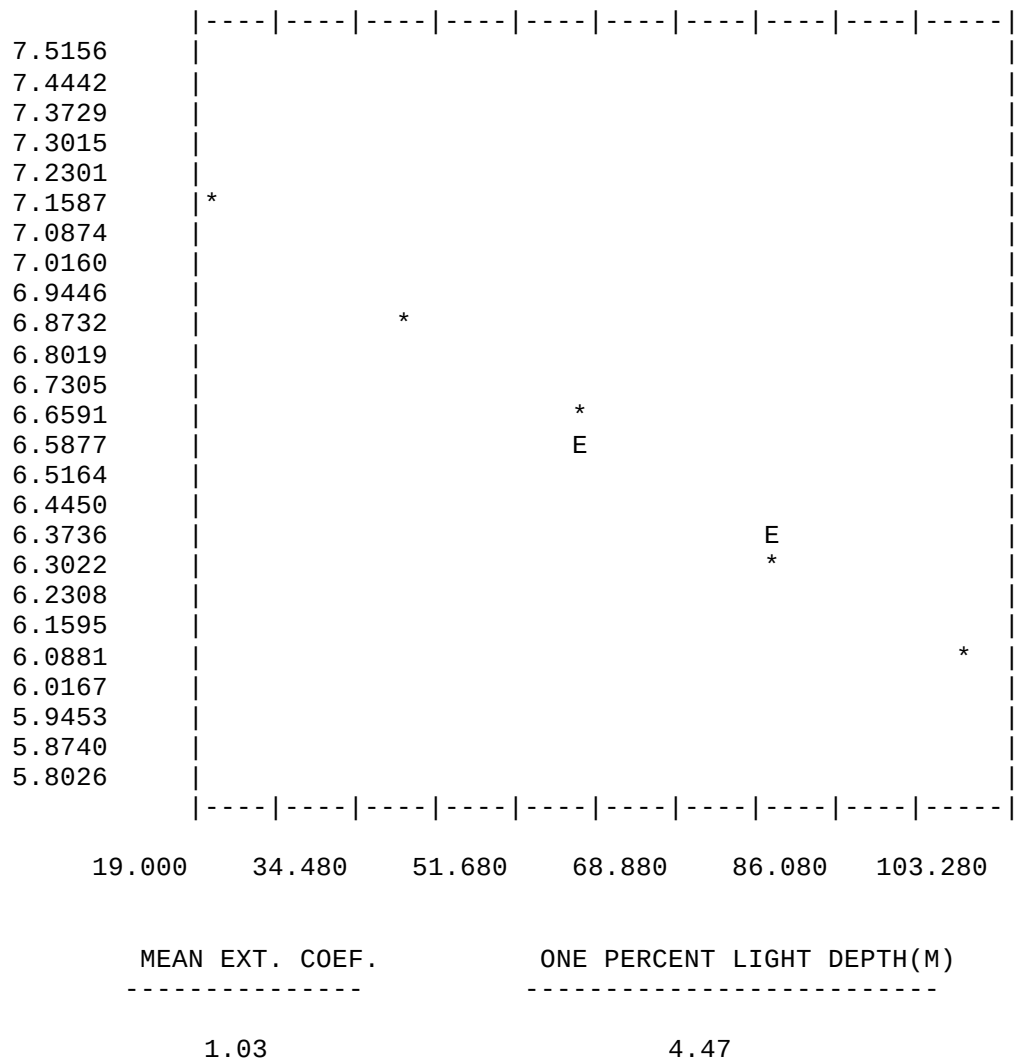
STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.40651	-0.01374	0.99828	0.99656

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1283.	7.15774	7.13178
2	40.	915.	6.82002	6.85705
3	60.	729.	6.59304	6.58232
4	80.	540.	6.29342	6.30759
5	100.	422.	6.04737	6.03285



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.03	4.47

LIGHT PROFILE ANALYSES - FOR 5/27/2003

STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.37728	-0.01619	0.99829	0.99658

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1162.	7.05876	7.05340
2	40.	851.	6.74759	6.72952
3	60.	594.	6.38856	6.40564
4	80.	419.	6.04025	6.08175
5	100.	327.	5.79301	5.75787

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.4117    |                                                 |
      7.3340    |                                                 |
      7.2564    |                                                 |
      7.1787    |                                                 |
      7.1010    |*                                                |
      7.0234    |                                                 |
      6.9457    |                                                 |
      6.8680    |                                                 |
      6.7903    |            *                                    |
      6.7127    |                                                 |
      6.6350    |                                                 |
      6.5573    |                                                 |
      6.4797    |                       E                         |
      6.4020    |                       *                         |
      6.3243    |                                                 |
      6.2467    |                                                 |
      6.1690    |                                                 |
      6.0913    |                                   *             |
      6.0137    |                                                 |
      5.9360    |                                                 |
      5.8583    |                                              *  |
      5.7807    |                                              E  |
      5.7030    |                                                 |
      5.6253    |                                                 |
      5.5476    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.21	3.79

LIGHT PROFILE ANALYSES - FOR 5/27/2003

STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.44669	-0.03059	0.99280	0.98565

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1034.	6.94216	6.83482
2	40.	435.	6.07764	6.22296
3	60.	256.	5.54908	5.61110
4	80.	168.	5.12990	4.99923
5	100.	77.	4.35671	4.38737

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.2893    |                                                 |
      7.1632    |                                                 |
      7.0372    |*                                                |
      6.9112    |E                                                |
      6.7852    |                                                 |
      6.6592    |                                                 |
      6.5332    |                                                 |
      6.4072    |                                                 |
      6.2811    |            E                                    |
      6.1551    |            *                                    |
      6.0291    |                                                 |
      5.9031    |                                                 |
      5.7771    |                                                 |
      5.6511    |                       *                         |
      5.5250    |                                                 |
      5.3990    |                                                 |
      5.2730    |                                                 |
      5.1470    |                                  *              |
      5.0210    |                                  E              |
      4.8950    |                                                 |
      4.7690    |                                                 |
      4.6429    |                                                 |
      4.5169    |                                                 |
      4.3909    |                                              *  |
      4.2649    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.29	2.01

LIGHT PROFILE ANALYSES - FOR 5/27/2003

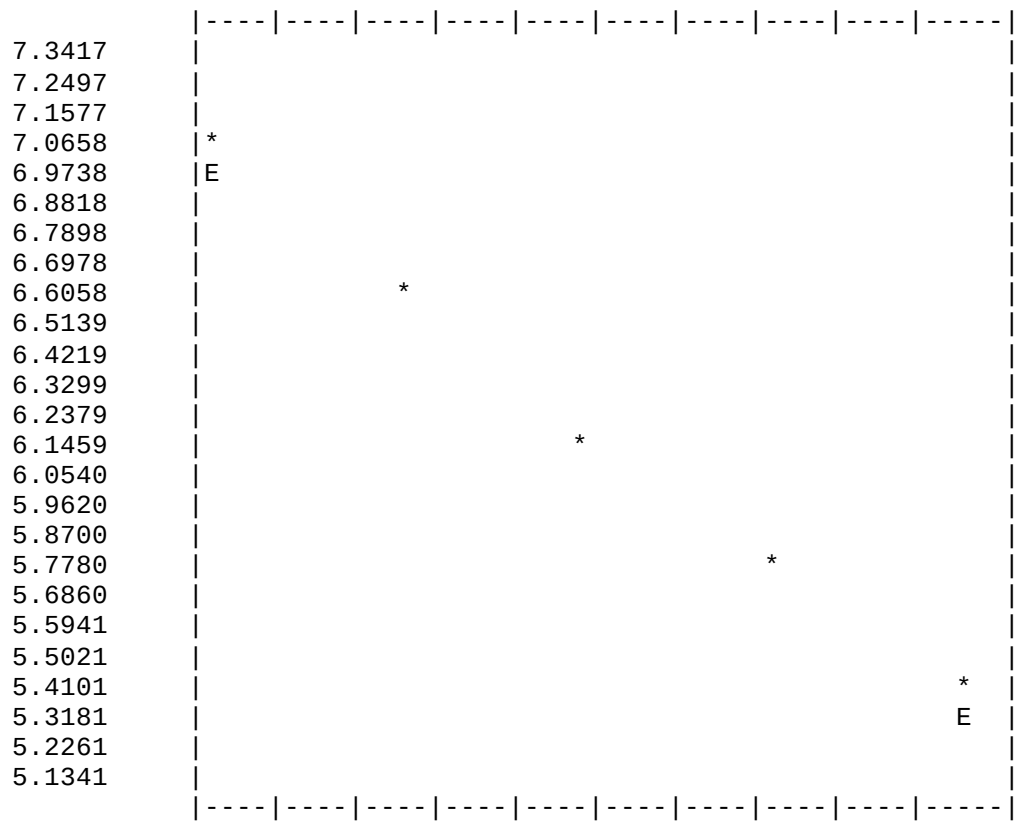
STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.38867	-0.02081	0.99818	0.99637

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1087.	6.99210	6.97245
2	40.	717.	6.57647	6.55622
3	60.	434.	6.07535	6.14000
4	80.	302.	5.71373	5.72377
5	100.	208.	5.34233	5.30754



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.56	2.95

LIGHT PROFILE ANALYSES - FOR 5/27/2003

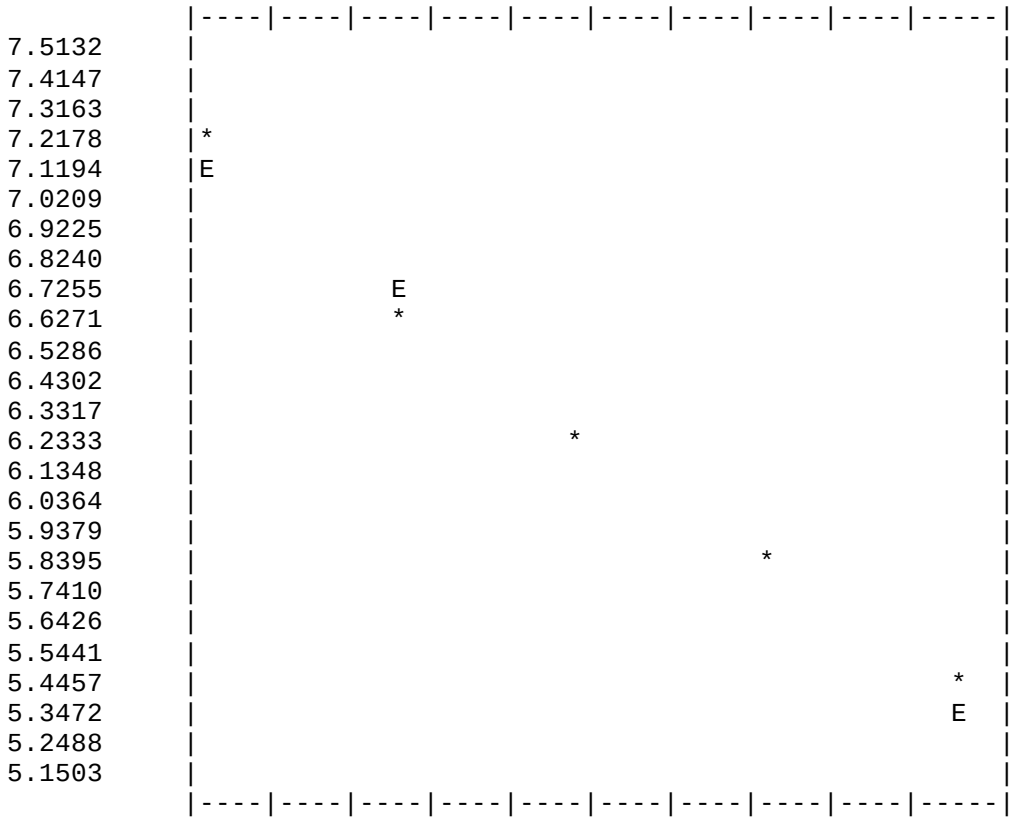
STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.51993	-0.02202	0.99611	0.99223

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1280.	7.15540	7.07950
2	40.	716.	6.57508	6.63906
3	60.	462.	6.13773	6.19862
4	80.	319.	5.76832	5.75818
5	100.	211.	5.35659	5.31775



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.65	2.79

LIGHT PROFILE ANALYSES - FOR 5/27/2003

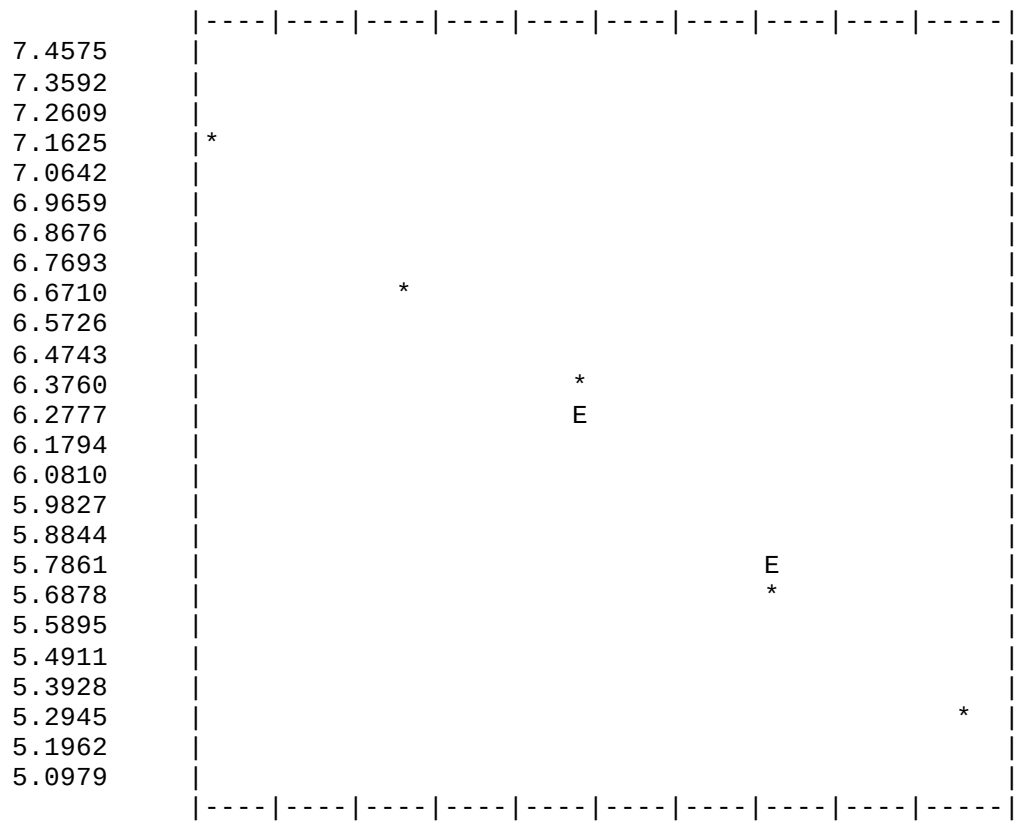
STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.55995	-0.02288	0.99577	0.99155

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1173.	7.06817	7.10238
2	40.	760.	6.63463	6.64480
3	60.	544.	6.30079	6.18723
4	80.	289.	5.66988	5.72966
5	100.	192.	5.26269	5.27209



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.72	2.68

LIGHT PROFILE ANALYSES - FOR 5/27/2003

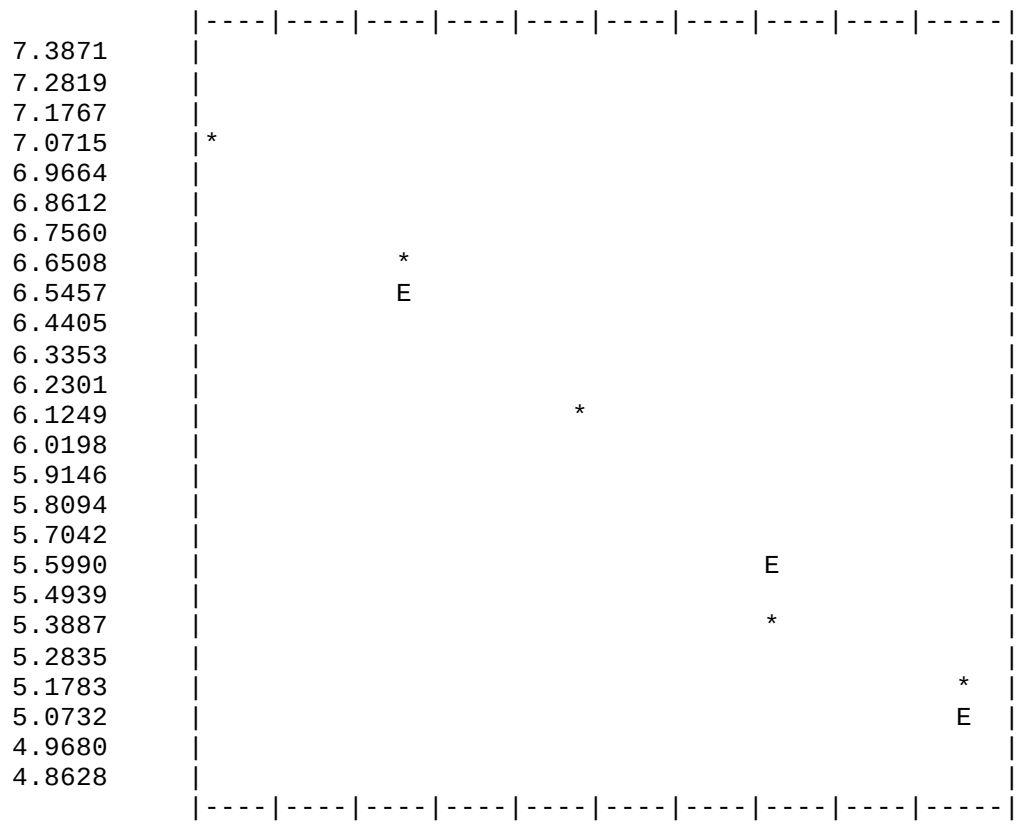
STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.54214	-0.02534	0.98993	0.97996

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1060.	6.96697	7.03532
2	40.	771.	6.64898	6.52849
3	60.	427.	6.05912	6.02167
4	80.	210.	5.35186	5.51484
5	100.	160.	5.08140	5.00802



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.90	2.42

LIGHT PROFILE ANALYSES - FOR 5/27/2003

STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.83006	-0.02752	0.99744	0.99488

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1377.	7.22839	7.27966
2	40.	875.	6.77537	6.72926
3	60.	517.	6.24998	6.17886
4	80.	257.	5.55296	5.62846
5	100.	161.	5.08760	5.07806

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.6436    |                                                 |
      7.5309    |                                                 |
      7.4181    |                                                 |
      7.3053    |*                                                |
      7.1925    |                                                 |
      7.0797    |                                                 |
      6.9670    |                                                 |
      6.8542    |            *                                    |
      6.7414    |            E                                    |
      6.6286    |                                                 |
      6.5158    |                                                 |
      6.4031    |                                                 |
      6.2903    |                       *                         |
      6.1775    |                                                 |
      6.0647    |                                                 |
      5.9519    |                                                 |
      5.8392    |                                                 |
      5.7264    |                                  E              |
      5.6136    |                                  *              |
      5.5008    |                                                 |
      5.3880    |                                                 |
      5.2753    |                                                 |
      5.1625    |                                              *  |
      5.0497    |                                                 |
      4.9369    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.06	2.23

LIGHT PROFILE ANALYSES - FOR 5/27/2003

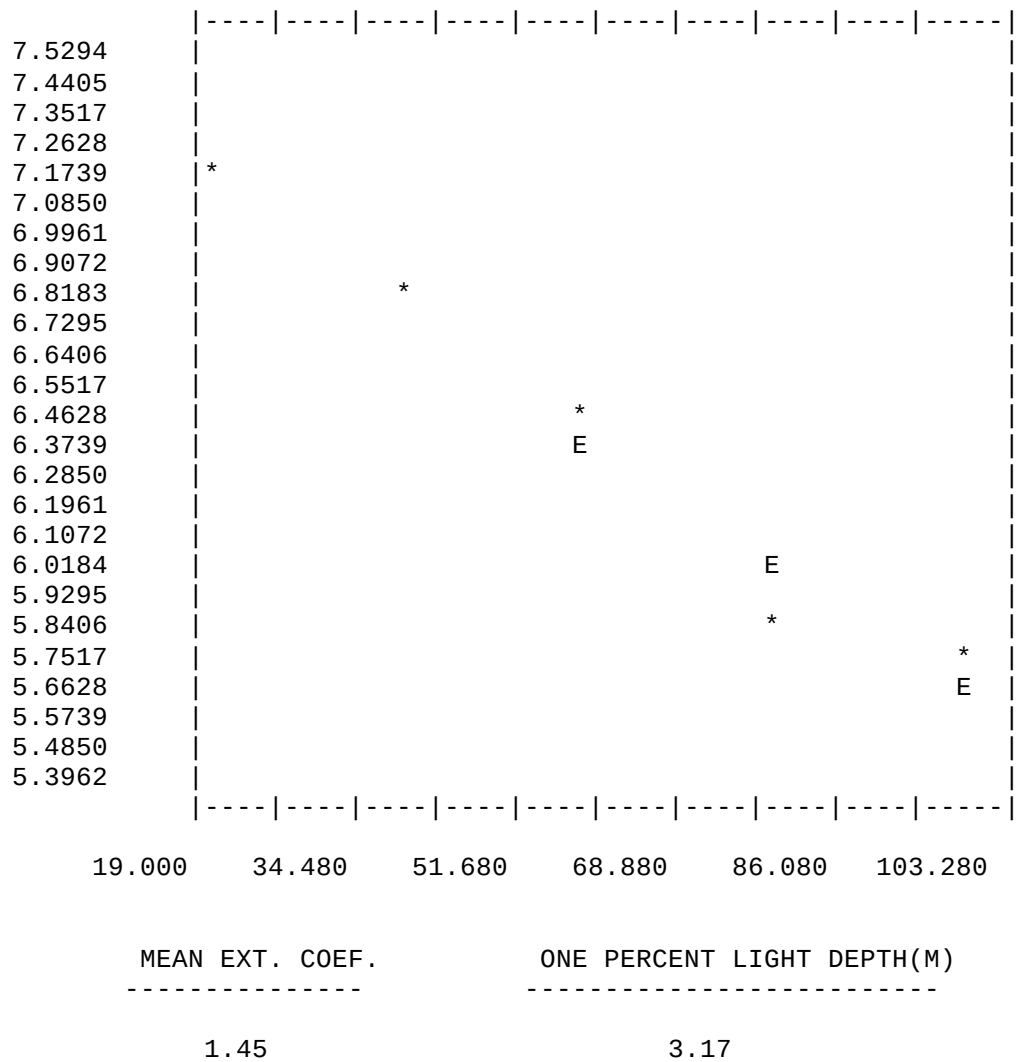
STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.52260	-0.01936	0.98990	0.97991

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1300.	7.17089	7.13540
2	40.	838.	6.73221	6.74820
3	60.	591.	6.38351	6.36100
4	80.	341.	5.83481	5.97380
5	100.	293.	5.68358	5.58660



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.45	3.17

LIGHT PROFILE ANALYSES - FOR 5/27/2003

STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.05643	-0.02960	0.99437	0.98878

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	233.	5.45532	5.46437
2	40.	125.	4.83628	4.87232
3	60.	82.	4.41884	4.28026
4	80.	34.	3.55535	3.68820
5	100.	22.	3.13549	3.09614

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.7376    |                                                 |
      5.6257    |                                                 |
      5.5139    |*                                                |
      5.4020    |                                                 |
      5.2902    |                                                 |
      5.1783    |                                                 |
      5.0665    |                                                 |
      4.9546    |            E                                    |
      4.8428    |            *                                    |
      4.7309    |                                                 |
      4.6191    |                                                 |
      4.5072    |                       *                         |
      4.3954    |                                                 |
      4.2835    |                       E                         |
      4.1717    |                                                 |
      4.0598    |                                                 |
      3.9480    |                                                 |
      3.8361    |                                                 |
      3.7243    |                                   E             |
      3.6124    |                                   *             |
      3.5006    |                                                 |
      3.3887    |                                                 |
      3.2769    |                                                 |
      3.1650    |                                             *   |
      3.0532    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.22	2.07

LIGHT PROFILE ANALYSES - FOR 5/27/2003

STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.48479	-0.01950	0.99276	0.98557

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1119.	7.02108	7.09486
2	40.	877.	6.77765	6.70494
3	60.	552.	6.31536	6.31502
4	80.	403.	6.00141	5.92510
5	100.	234.	5.45959	5.53517

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.4496    |                                                 |
      7.3591    |                                                 |
      7.2686    |                                                 |
      7.1780    |E                                                |
      7.0875    |*                                                |
      6.9970    |                                                 |
      6.9065    |                                                 |
      6.8160    |            *                                    |
      6.7254    |            E                                    |
      6.6349    |                                                 |
      6.5444    |                                                 |
      6.4539    |                                                 |
      6.3634    |                       *                         |
      6.2728    |                                                 |
      6.1823    |                                                 |
      6.0918    |                                   *             |
      6.0013    |                                   E             |
      5.9108    |                                                 |
      5.8202    |                                                 |
      5.7297    |                                                 |
      5.6392    |                                                 |
      5.5487    |                                               *  |
      5.4582    |                                                 |
      5.3676    |                                                 |
      5.2771    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.46	3.15

LIGHT PROFILE ANALYSES - FOR 5/27/2003

STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.82156	-0.02157	0.99912	0.99823

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	223.	5.41165	5.39011
2	40.	135.	4.91265	4.95866
3	60.	94.	4.55388	4.52722
4	80.	59.	4.09434	4.09577
5	100.	38.	3.66356	3.66432

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.6822    |                                                 |
      5.5942    |                                                 |
      5.5061    |                                                 |
      5.4180    |*                                                |
      5.3299    |                                                 |
      5.2419    |                                                 |
      5.1538    |                                                 |
      5.0657    |                                                 |
      4.9776    |            *                                    |
      4.8896    |                                                 |
      4.8015    |                                                 |
      4.7134    |                                                 |
      4.6253    |                       *                         |
      4.5373    |                       E                         |
      4.4492    |                                                 |
      4.3611    |                                                 |
      4.2730    |                                                 |
      4.1850    |                                                 |
      4.0969    |                                   *             |
      4.0088    |                                                 |
      3.9208    |                                                 |
      3.8327    |                                                 |
      3.7446    |                                              *  |
      3.6565    |                                                 |
      3.5685    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.62	2.85

LIGHT PROFILE ANALYSES - FOR 5/27/2003

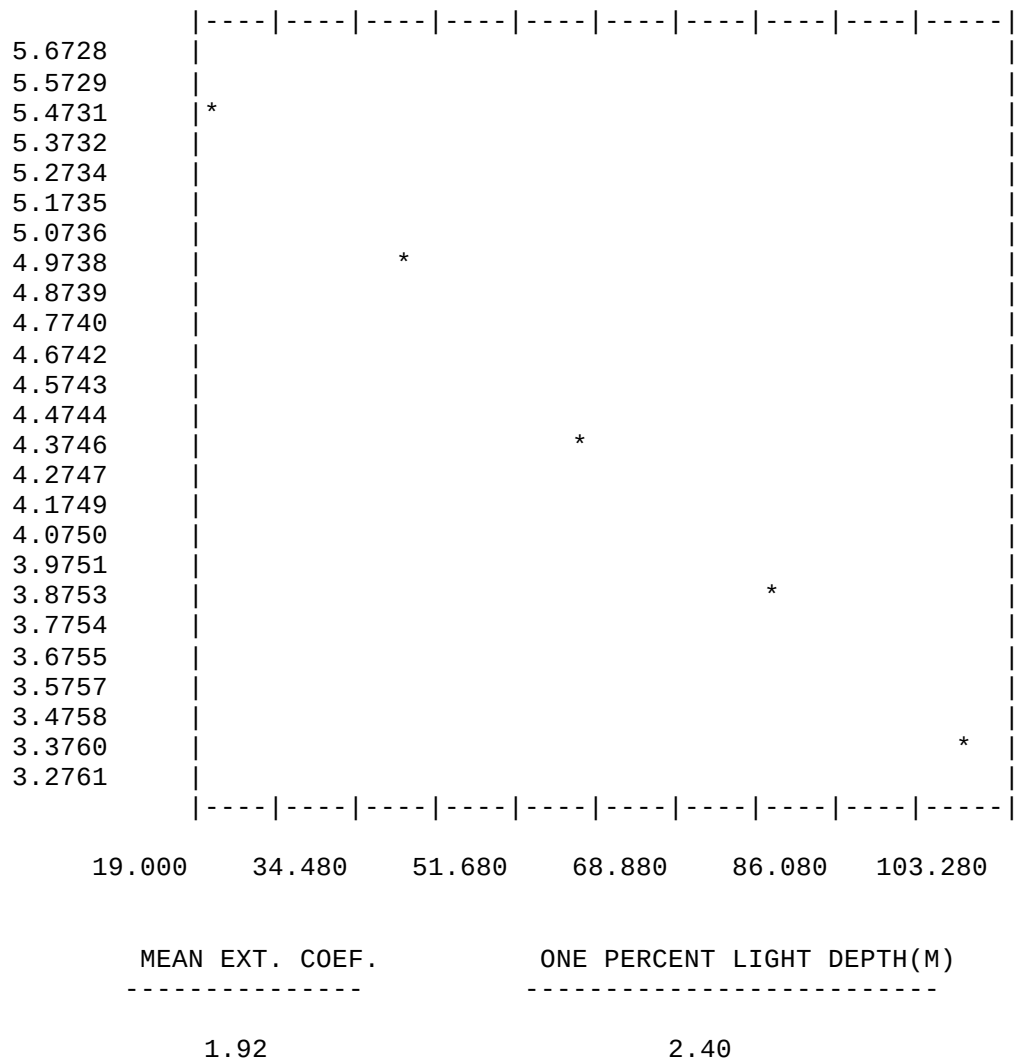
STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.90263	-0.02559	0.99932	0.99864

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	221.	5.40268	5.39078
2	40.	133.	4.89784	4.87894
3	60.	74.	4.31749	4.36709
4	80.	46.	3.85015	3.85524
5	100.	28.	3.36730	3.34340



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.92	2.40

LIGHT PROFILE ANALYSES - FOR 5/27/2003

STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.79480	-0.02410	0.99531	0.99065

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	191.	5.25750	5.31282
2	40.	124.	4.82831	4.83084
3	60.	83.	4.43082	4.34886
4	80.	50.	3.93183	3.86688
5	100.	26.	3.29584	3.38490

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.5785    |                                                 |
      5.4806    |                                                 |
      5.3827    |E                                                |
      5.2848    |*                                                |
      5.1869    |                                                 |
      5.0890    |                                                 |
      4.9911    |                                                 |
      4.8932    |            *                                    |
      4.7953    |                                                 |
      4.6974    |                                                 |
      4.5995    |                                                 |
      4.5016    |                       *                         |
      4.4037    |                       E                         |
      4.3058    |                                                 |
      4.2079    |                                                 |
      4.1100    |                                                 |
      4.0121    |                                  *              |
      3.9142    |                                  E              |
      3.8163    |                                                 |
      3.7184    |                                                 |
      3.6205    |                                                 |
      3.5226    |                                                 |
      3.4247    |                                              E  |
      3.3268    |                                              *  |
      3.2289    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.81	2.55

LIGHT PROFILE ANALYSES - FOR 6/30/2003

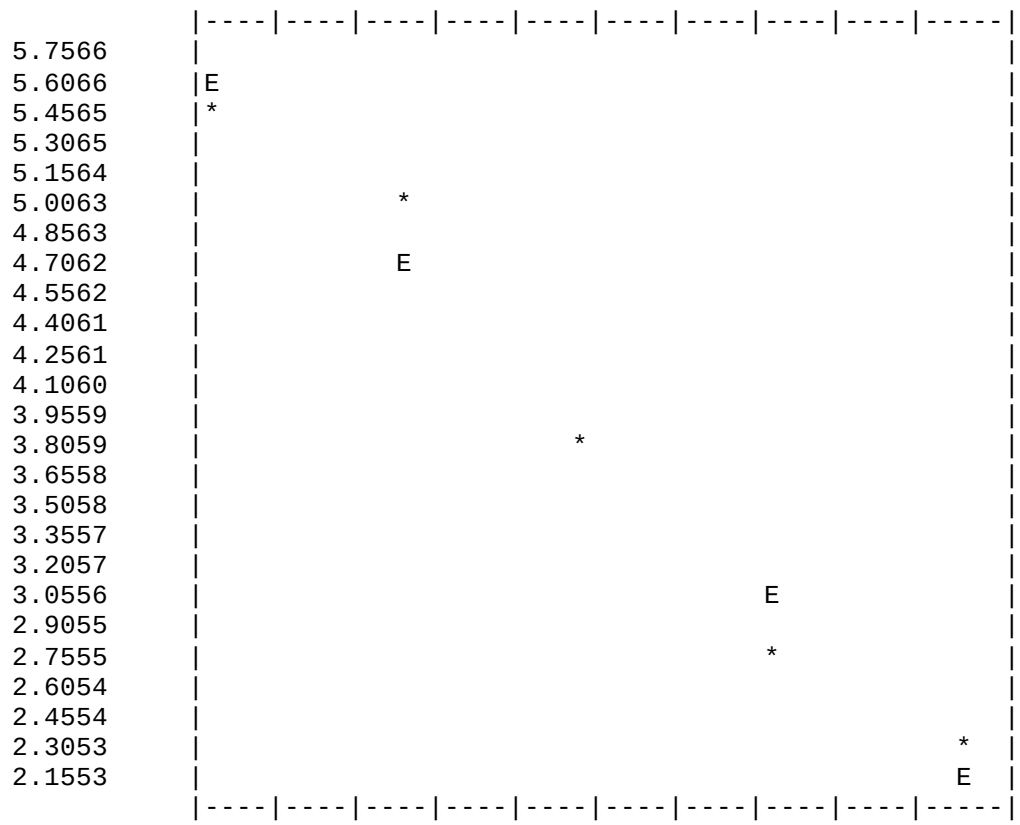
STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.32545	-0.04215	0.98806	0.97627

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	228.	5.43372	5.48251
2	40.	130.	4.87520	4.63957
3	60.	38.	3.66356	3.79662
4	80.	14.	2.70805	2.95368
5	100.	9.	2.30259	2.11074



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.16	1.46

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.55237	-0.04197	0.99250	0.98506

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	249.	5.52146	5.71294
2	40.	148.	5.00395	4.87351
3	60.	65.	4.18965	4.03408
4	80.	25.	3.25810	3.19464
5	100.	8.	2.19722	2.35521

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.9986    |                                                 |
      5.8421    |E                                                |
      5.6857    |                                                 |
      5.5292    |*                                                |
      5.3728    |                                                 |
      5.2163    |                                                 |
      5.0599    |            *                                    |
      4.9034    |            E                                    |
      4.7470    |                                                 |
      4.5905    |                                                 |
      4.4341    |                                                 |
      4.2777    |                       *                         |
      4.1212    |                       E                         |
      3.9648    |                                                 |
      3.8083    |                                                 |
      3.6519    |                                                 |
      3.4954    |                                                 |
      3.3390    |                                   *             |
      3.1825    |                                                 |
      3.0261    |                                                 |
      2.8696    |                                                 |
      2.7132    |                                                 |
      2.5567    |                                                 |
      2.4003    |                                             E   |
      2.2438    |                                             *   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.15	1.46

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.02559	-0.04868	0.99861	0.99721

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	428.	6.06146	6.05204
2	40.	146.	4.99043	5.07848
3	60.	64.	4.17439	4.10492
4	80.	24.	3.21888	3.13136
5	100.	7.	2.07944	2.15780

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.3645    |                                                 |
      6.1890    |*                                                |
      6.0134    |                                                 |
      5.8378    |                                                 |
      5.6623    |                                                 |
      5.4867    |                                                 |
      5.3112    |                                                 |
      5.1356    |            *                                    |
      4.9600    |                                                 |
      4.7845    |                                                 |
      4.6089    |                                                 |
      4.4333    |                                                 |
      4.2578    |                       *                         |
      4.0822    |                                                 |
      3.9067    |                                                 |
      3.7311    |                                                 |
      3.5555    |                                                 |
      3.3800    |                                  *              |
      3.2044    |                                  E              |
      3.0288    |                                                 |
      2.8533    |                                                 |
      2.6777    |                                                 |
      2.5022    |                                                 |
      2.3266    |                                             E   |
      2.1510    |                                             *   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.65	1.26

LIGHT PROFILE ANALYSES - FOR 6/30/2003

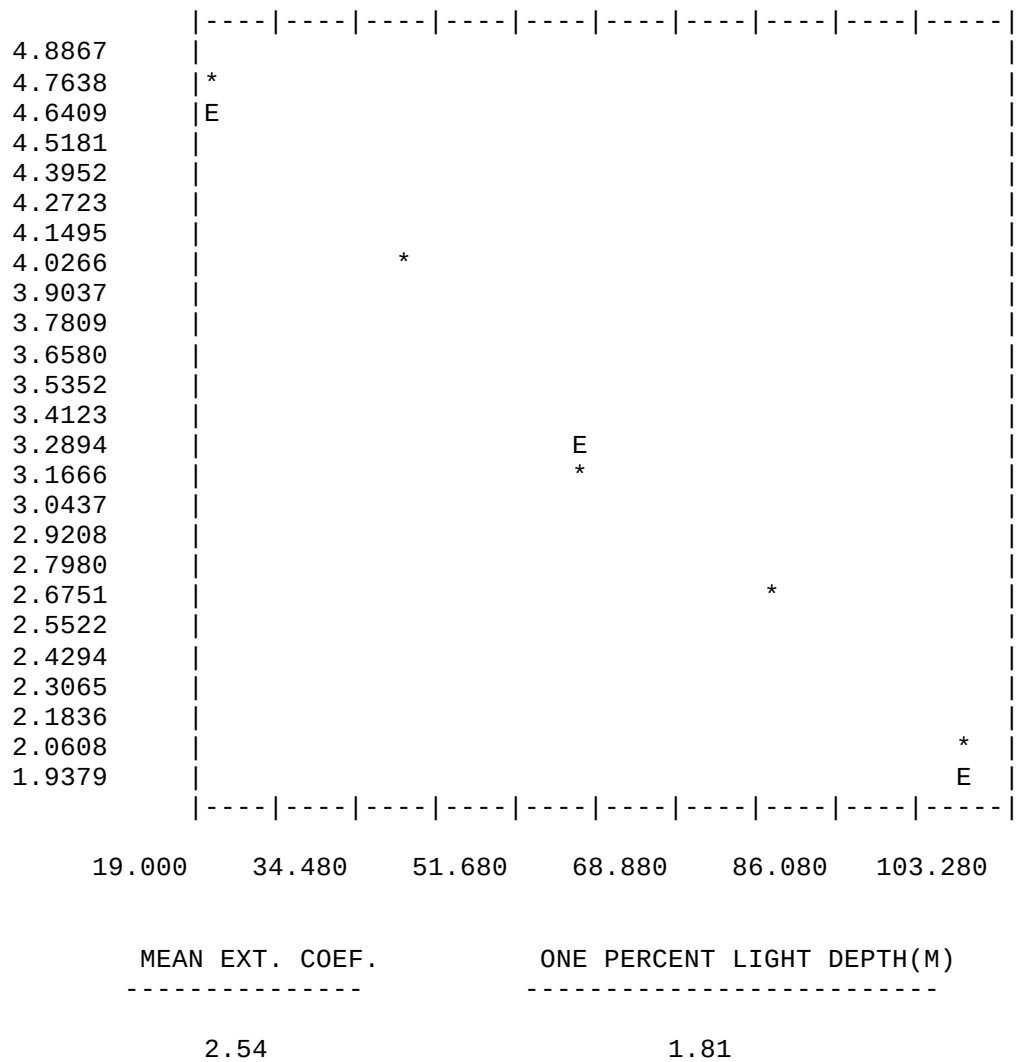
STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.30277	-0.03392	0.99573	0.99149

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	104.	4.65396	4.62434
2	40.	54.	4.00733	3.94590
3	60.	21.	3.09104	3.26746
4	80.	13.	2.63906	2.58902
5	100.	6.	1.94591	1.91059



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.54	1.81

LIGHT PROFILE ANALYSES - FOR 6/30/2003

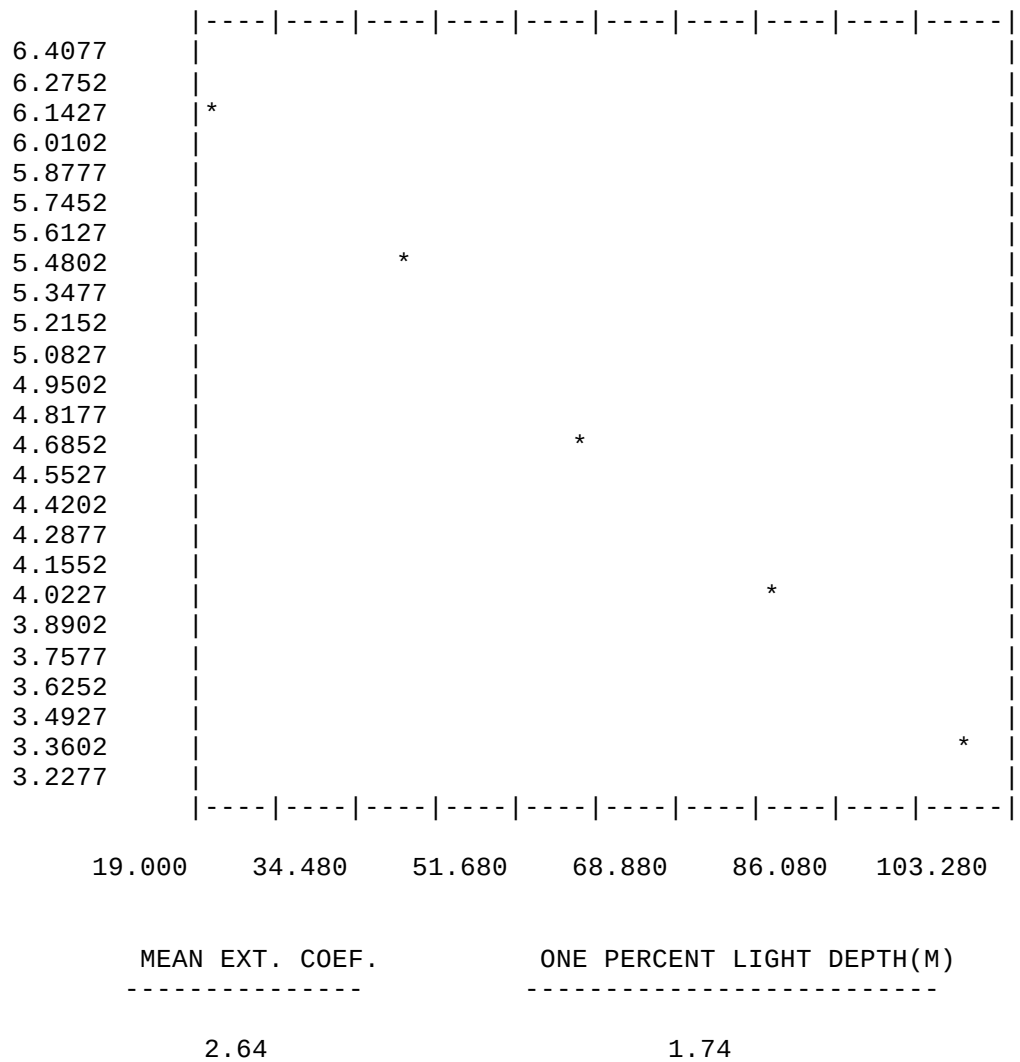
STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.78331	-0.03519	0.99961	0.99922

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	446.	6.10256	6.07950
2	40.	211.	5.35659	5.37568
3	60.	102.	4.63473	4.67186
4	80.	54.	4.00733	3.96804
5	100.	25.	3.25810	3.26423



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.64	1.74

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.70394	-0.03680	0.99844	0.99689

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	404.	6.00389	5.96788
2	40.	180.	5.19850	5.23182
3	60.	91.	4.52179	4.49575
4	80.	38.	3.66356	3.75969
5	100.	21.	3.09104	3.02363

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.3041    |                                                 |
      6.1668    |                                                 |
      6.0296    |*                                                |
      5.8923    |                                                 |
      5.7550    |                                                 |
      5.6178    |                                                 |
      5.4805    |                                                 |
      5.3432    |            E                                    |
      5.2060    |            *                                    |
      5.0687    |                                                 |
      4.9314    |                                                 |
      4.7942    |                                                 |
      4.6569    |                       *                         |
      4.5196    |                       E                         |
      4.3824    |                                                 |
      4.2451    |                                                 |
      4.1078    |                                                 |
      3.9706    |                                                 |
      3.8333    |                                   E             |
      3.6960    |                                   *             |
      3.5588    |                                                 |
      3.4215    |                                                 |
      3.2842    |                                                 |
      3.1470    |                                             *   |
      3.0097    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.76	1.67

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.56764	-0.04658	0.99846	0.99692

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	842.	6.73697	6.63605
2	40.	270.	5.60212	5.70445
3	60.	110.	4.70953	4.77285
4	80.	47.	3.87120	3.84125
5	100.	18.	2.94444	2.90966

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0738    |                                                 |
      6.9014    |*                                                |
      6.7290    |E                                                |
      6.5567    |                                                 |
      6.3843    |                                                 |
      6.2119    |                                                 |
      6.0395    |                                                 |
      5.8671    |            E                                    |
      5.6947    |            *                                    |
      5.5223    |                                                 |
      5.3500    |                                                 |
      5.1776    |                                                 |
      5.0052    |                                                 |
      4.8328    |                       *                         |
      4.6604    |                                                 |
      4.4880    |                                                 |
      4.3156    |                                                 |
      4.1433    |                                                 |
      3.9709    |                                   *             |
      3.7985    |                                                 |
      3.6261    |                                                 |
      3.4537    |                                                 |
      3.2813    |                                                 |
      3.1089    |                                              *  |
      2.9366    |                                              E  |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.49	1.32

LIGHT PROFILE ANALYSES - FOR 6/30/2003

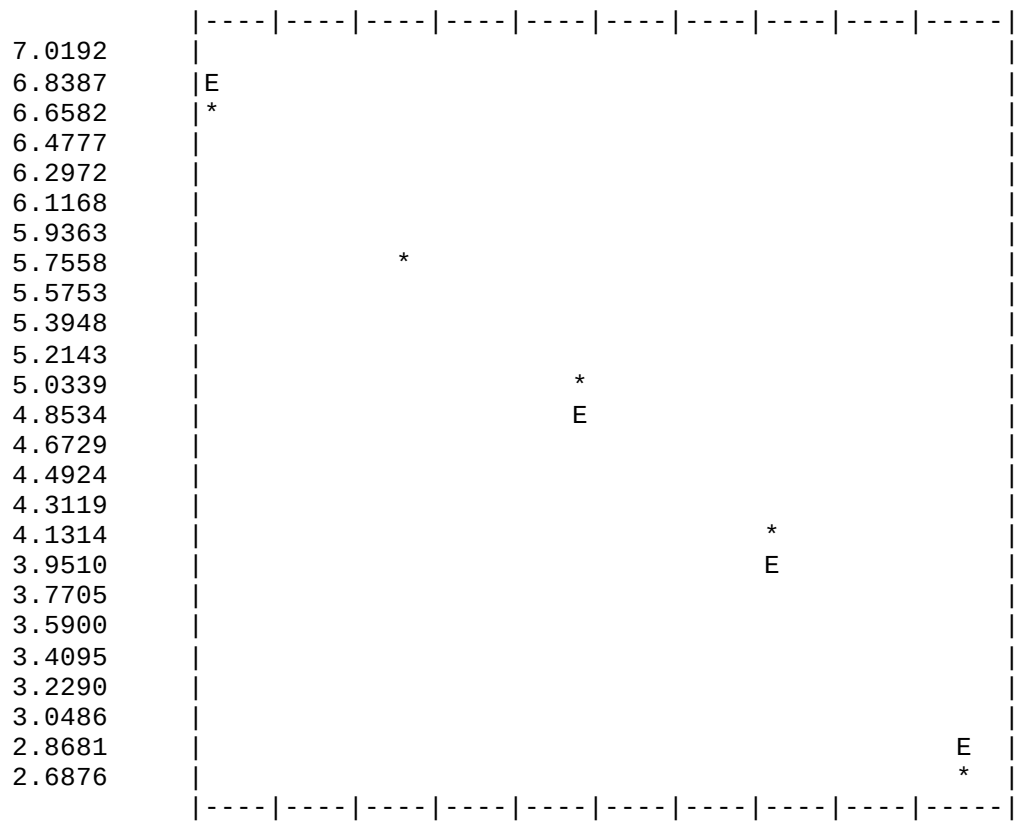
STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.64023	-0.04777	0.99306	0.98616

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	727.	6.59030	6.68492
2	40.	296.	5.69373	5.72960
3	60.	134.	4.90527	4.77428
4	80.	56.	4.04305	3.81897
5	100.	13.	2.63906	2.86365



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.58	1.29

LIGHT PROFILE ANALYSES - FOR 6/30/2003

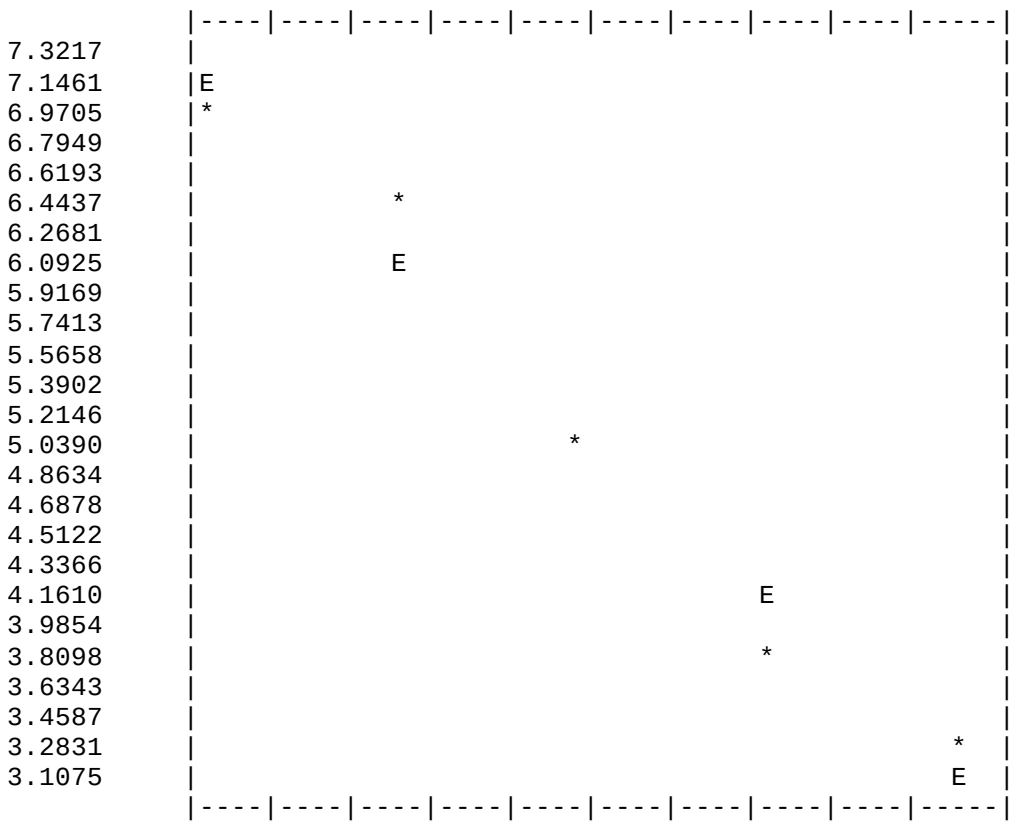
STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.94471	-0.04859	0.98808	0.97631

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	901.	6.80461	6.97301
2	40.	560.	6.32972	6.00131
3	60.	149.	5.01064	5.02961
4	80.	43.	3.78419	4.05791
5	100.	24.	3.21888	3.08621



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.64	1.26

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.60581	-0.04259	0.98712	0.97441

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	754.	6.62672	6.75399
2	40.	390.	5.96871	5.90216
3	60.	154.	5.04343	5.05034
4	80.	91.	4.52179	4.19851
5	100.	21.	3.09104	3.34668

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0917    |                                                 |
      6.9255    |                                                 |
      6.7593    |*                                                |
      6.5931    |                                                 |
      6.4269    |                                                 |
      6.2606    |                                                 |
      6.0944    |            *                                    |
      5.9282    |            E                                    |
      5.7620    |                                                 |
      5.5958    |                                                 |
      5.4296    |                                                 |
      5.2634    |                                                 |
      5.0972    |                       *                         |
      4.9310    |                                                 |
      4.7648    |                                                 |
      4.5986    |                                  *              |
      4.4324    |                                                 |
      4.2662    |                                  E              |
      4.0999    |                                                 |
      3.9337    |                                                 |
      3.7675    |                                                 |
      3.6013    |                                                 |
      3.4351    |                                              E  |
      3.2689    |                                                 |
      3.1027    |                                              *  |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.19	1.44

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.34865	-0.04042	0.99829	0.99658

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	705.	6.55962	6.54032
2	40.	327.	5.79301	5.73199
3	60.	121.	4.80402	4.92366
4	80.	59.	4.09434	4.11533
5	100.	28.	3.36730	3.30700

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8876    |                                                 |
      6.7378    |                                                 |
      6.5879    |*                                                |
      6.4381    |                                                 |
      6.2882    |                                                 |
      6.1384    |                                                 |
      5.9886    |                                                 |
      5.8387    |            *                                    |
      5.6889    |                                                 |
      5.5391    |                                                 |
      5.3892    |                                                 |
      5.2394    |                                                 |
      5.0895    |                                                 |
      4.9397    |                       *                         |
      4.7899    |                                                 |
      4.6400    |                                                 |
      4.4902    |                                                 |
      4.3404    |                                                 |
      4.1905    |                                   *             |
      4.0407    |                                                 |
      3.8908    |                                                 |
      3.7410    |                                                 |
      3.5912    |                                                 |
      3.4413    |                                             *   |
      3.2915    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.03	1.52

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.36278	-0.03872	0.99400	0.98803

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	763.	6.63857	6.58830
2	40.	348.	5.85507	5.81383
3	60.	122.	4.81218	5.03936
4	80.	80.	4.39445	4.26488
5	100.	32.	3.49651	3.49041

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9705    |                                                 |
      6.8243    |                                                 |
      6.6781    |*                                                |
      6.5319    |                                                 |
      6.3858    |                                                 |
      6.2396    |                                                 |
      6.0934    |                                                 |
      5.9472    |            *                                    |
      5.8010    |                                                 |
      5.6548    |                                                 |
      5.5087    |                                                 |
      5.3625    |                                                 |
      5.2163    |                                                 |
      5.0701    |                       E                         |
      4.9239    |                       *                         |
      4.7777    |                                                 |
      4.6315    |                                                 |
      4.4854    |                                   *             |
      4.3392    |                                   E             |
      4.1930    |                                                 |
      4.0468    |                                                 |
      3.9006    |                                                 |
      3.7544    |                                                 |
      3.6083    |                                             *   |
      3.4621    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.90	1.59

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.56709	-0.04270	0.99089	0.98186

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	784.	6.66568	6.71311
2	40.	391.	5.97126	5.85913
3	60.	121.	4.80402	5.00515
4	80.	81.	4.40672	4.15117
5	100.	23.	3.17805	3.29719

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0488    |                                                 |
      6.8876    |                                                 |
      6.7264    |*                                                |
      6.5652    |                                                 |
      6.4040    |                                                 |
      6.2428    |                                                 |
      6.0817    |            *                                    |
      5.9205    |            E                                    |
      5.7593    |                                                 |
      5.5981    |                                                 |
      5.4369    |                                                 |
      5.2757    |                                                 |
      5.1145    |                       E                         |
      4.9534    |                       *                         |
      4.7922    |                                                 |
      4.6310    |                                                 |
      4.4698    |                                   *             |
      4.3086    |                                   E             |
      4.1474    |                                                 |
      3.9863    |                                                 |
      3.8251    |                                                 |
      3.6639    |                                                 |
      3.5027    |                                                 |
      3.3415    |                                             E   |
      3.1803    |                                             *   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.20	1.44

LIGHT PROFILE ANALYSES - FOR 6/30/2003

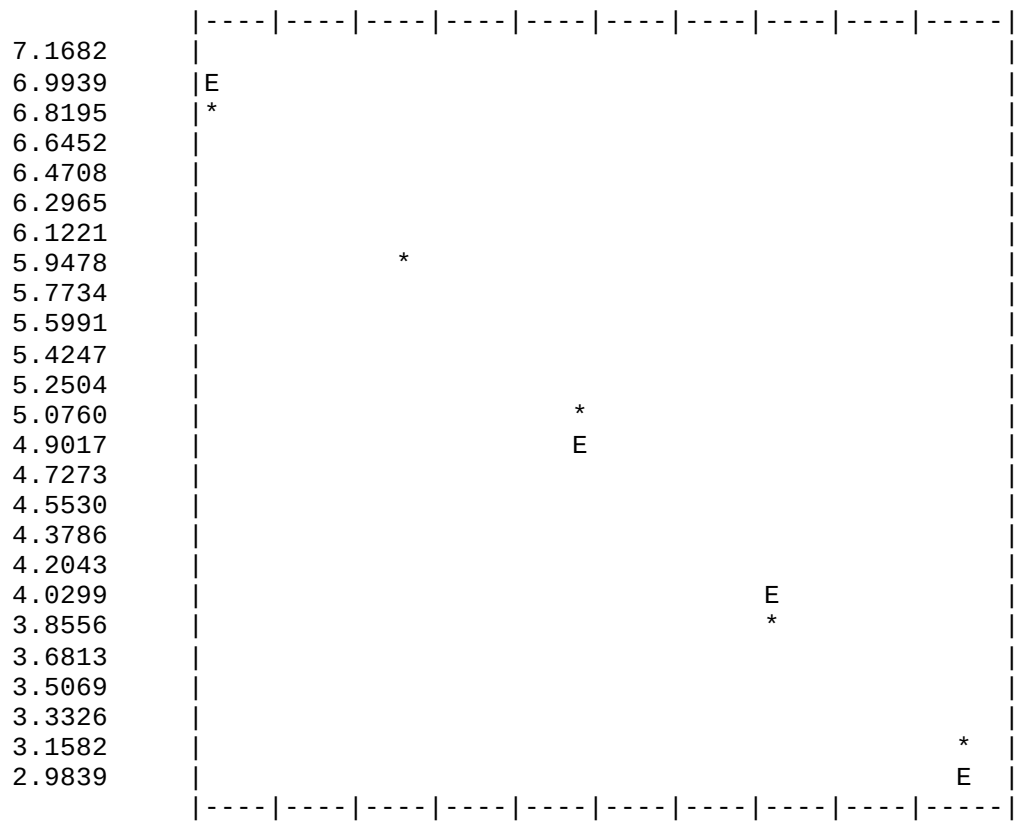
STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.79426	-0.04837	0.99859	0.99718

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	876.	6.77651	6.82688
2	40.	371.	5.91889	5.85951
3	60.	142.	4.96284	4.89213
4	80.	44.	3.80666	3.92475
5	100.	19.	2.99573	2.95737



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.63	1.27

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.25411	-0.03775	0.99770	0.99540

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	654.	6.48464	6.49909
2	40.	341.	5.83481	5.74406
3	60.	137.	4.92725	4.98904
4	80.	62.	4.14313	4.23401
5	100.	34.	3.55535	3.47899

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8240    |                                                 |
      6.6833    |                                                 |
      6.5425    |*                                                |
      6.4018    |                                                 |
      6.2610    |                                                 |
      6.1202    |                                                 |
      5.9795    |                                                 |
      5.8387    |            *                                    |
      5.6980    |                                                 |
      5.5572    |                                                 |
      5.4164    |                                                 |
      5.2757    |                                                 |
      5.1349    |                                                 |
      4.9942    |                       *                         |
      4.8534    |                                                 |
      4.7126    |                                                 |
      4.5719    |                                                 |
      4.4311    |                                                 |
      4.2904    |                                  E              |
      4.1496    |                                  *              |
      4.0088    |                                                 |
      3.8681    |                                                 |
      3.7273    |                                                 |
      3.5866    |                                              *  |
      3.4458    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.83	1.63

LIGHT PROFILE ANALYSES - FOR 6/30/2003

STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.61890	-0.04849	0.99365	0.98733

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	750.	6.62141	6.64909
2	40.	343.	5.84064	5.67928
3	60.	103.	4.64439	4.70948
4	80.	32.	4.49651	3.73967
5	100.	18.	2.94444	2.76986

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9815    |                                                 |
      6.8075    |E                                                |
      6.6335    |*                                                |
      6.4595    |                                                 |
      6.2855    |                                                 |
      6.1115    |                                                 |
      5.9375    |            *                                    |
      5.7635    |            E                                    |
      5.5895    |                                                 |
      5.4155    |                                                 |
      5.2415    |                                                 |
      5.0675    |                                                 |
      4.8935    |                                                 |
      4.7195    |                       *                         |
      4.5454    |                                                 |
      4.3714    |                                                 |
      4.1974    |                                                 |
      4.0234    |                                                 |
      3.8494    |                                  E              |
      3.6754    |                                                 |
      3.5014    |                                  *              |
      3.3274    |                                                 |
      3.1534    |                                                 |
      2.9794    |                                            *    |
      2.8054    |                                            E    |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.64	1.27

LIGHT PROFILE ANALYSES - FOR 7/29/2003

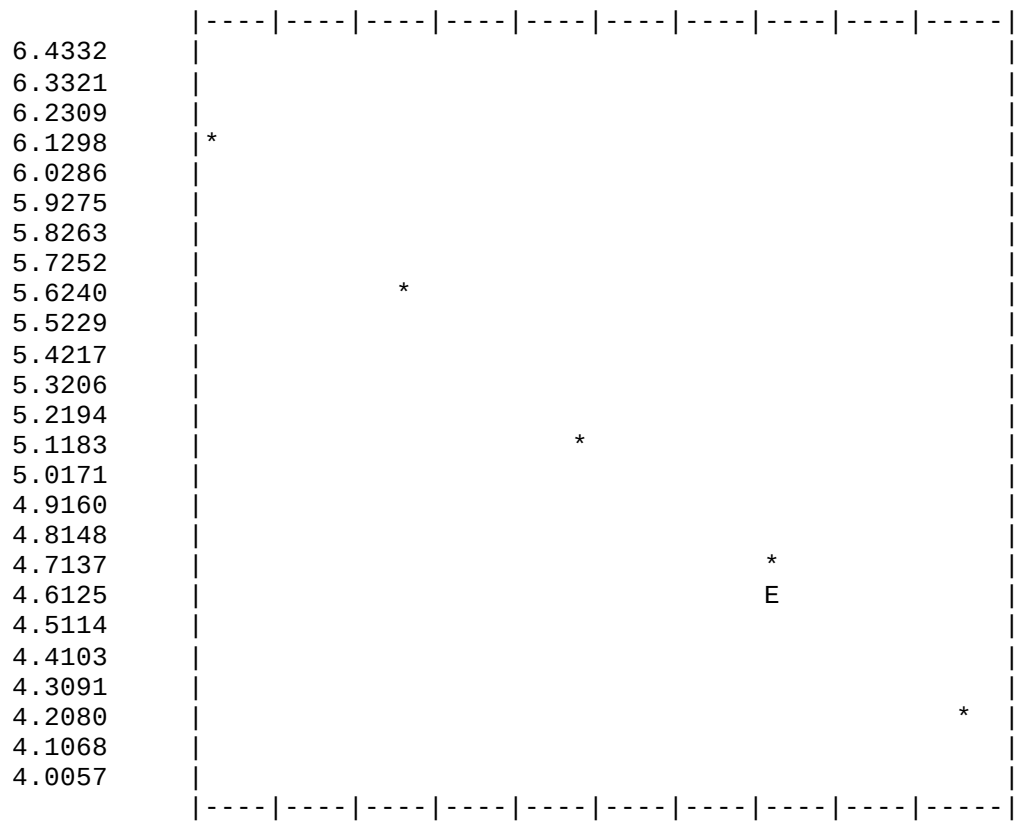
STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.55485	-0.02445	0.99758	0.99516

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	457.	6.12687	6.06588
2	40.	253.	5.53733	5.57692
3	60.	150.	5.01728	5.08795
4	80.	100.	4.61512	4.59898
5	100.	62.	4.14313	4.11001



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.83	2.51

LIGHT PROFILE ANALYSES - FOR 7/29/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.71093	-0.02576	0.99891	0.99782

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	489.	6.19441	6.19574
2	40.	303.	5.71703	5.68055
3	60.	169.	5.13580	5.16536
4	80.	99.	4.60517	4.65017
5	100.	64.	4.17439	4.13498

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.5055    |                                                 |
      6.4024    |                                                 |
      6.2993    |                                                 |
      6.1962    |*                                                |
      6.0932    |                                                 |
      5.9901    |                                                 |
      5.8870    |                                                 |
      5.7839    |            *                                    |
      5.6808    |            E                                    |
      5.5777    |                                                 |
      5.4746    |                                                 |
      5.3715    |                                                 |
      5.2684    |                       E                         |
      5.1653    |                       *                         |
      5.0622    |                                                 |
      4.9591    |                                                 |
      4.8561    |                                                 |
      4.7530    |                                  E              |
      4.6499    |                                  *              |
      4.5468    |                                                 |
      4.4437    |                                                 |
      4.3406    |                                                 |
      4.2375    |                                              *  |
      4.1344    |                                                 |
      4.0313    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.93	2.38

LIGHT PROFILE ANALYSES - FOR 7/29/2003

STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.81522	-0.03086	0.99548	0.99098

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	550.	6.31173	6.19797
2	40.	242.	5.49306	5.58073
3	60.	130.	4.87520	4.96348
4	80.	75.	4.33073	4.34623
5	100.	44.	3.80666	3.72898

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6273    |                                                 |
      6.5039    |                                                 |
      6.3805    |*                                                |
      6.2571    |E                                                |
      6.1338    |                                                 |
      6.0104    |                                                 |
      5.8870    |                                                 |
      5.7636    |                                                 |
      5.6402    |            E                                    |
      5.5168    |            *                                    |
      5.3934    |                                                 |
      5.2700    |                                                 |
      5.1466    |                                                 |
      5.0232    |                       E                         |
      4.8998    |                       *                         |
      4.7764    |                                                 |
      4.6531    |                                                 |
      4.5297    |                                                 |
      4.4063    |                                   *             |
      4.2829    |                                                 |
      4.1595    |                                                 |
      4.0361    |                                                 |
      3.9127    |                                              *  |
      3.7893    |                                              E  |
      3.6659    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.31	1.99

LIGHT PROFILE ANALYSES - FOR 7/29/2003

STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.08250	-0.03631	0.99887	0.99773

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	575.	6.35611	6.35625
2	40.	262.	5.57215	5.63000
3	60.	143.	4.96981	4.90376
4	80.	67.	4.21951	4.17751
5	100.	29.	3.40120	3.45126

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6741    |                                                 |
      6.5363    |                                                 |
      6.3986    |*                                                |
      6.2609    |                                                 |
      6.1232    |                                                 |
      5.9855    |                                                 |
      5.8478    |                                                 |
      5.7100    |            E                                    |
      5.5723    |            *                                    |
      5.4346    |                                                 |
      5.2969    |                                                 |
      5.1592    |                                                 |
      5.0215    |                       *                         |
      4.8837    |                                                 |
      4.7460    |                                                 |
      4.6083    |                                                 |
      4.4706    |                                                 |
      4.3329    |                                   *             |
      4.1952    |                                   E             |
      4.0574    |                                                 |
      3.9197    |                                                 |
      3.7820    |                                                 |
      3.6443    |                                                 |
      3.5066    |                                             *   |
      3.3689    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.72	1.69

LIGHT PROFILE ANALYSES - FOR 7/29/2003

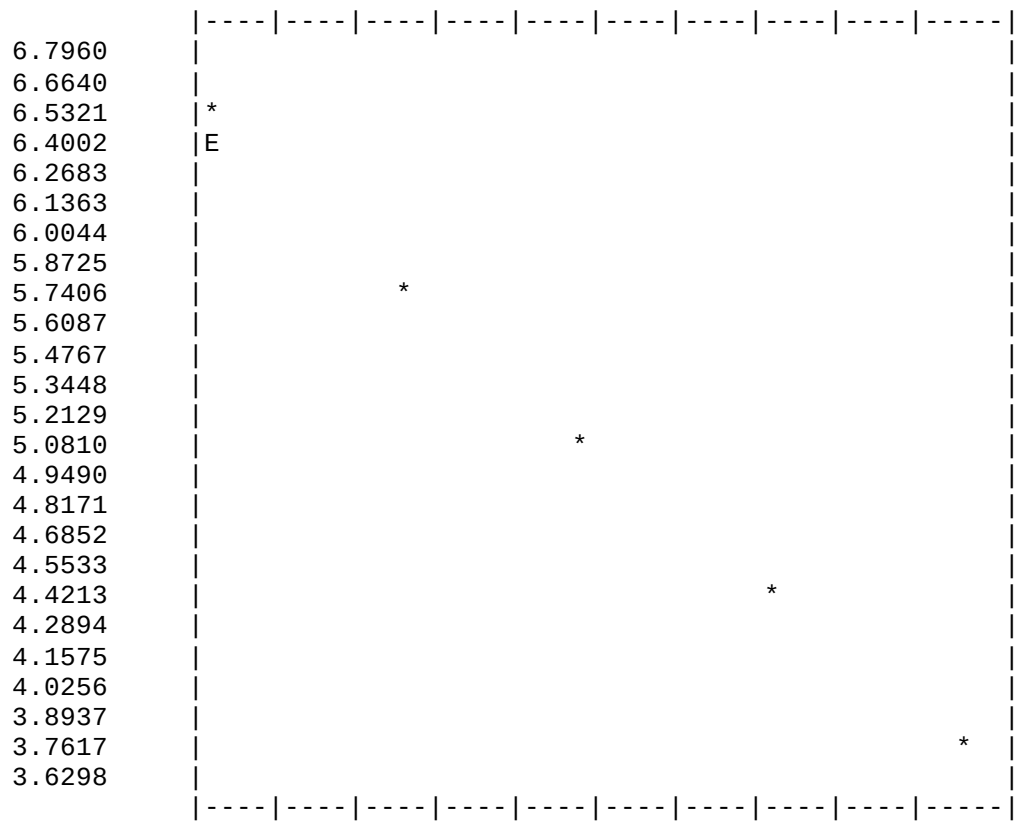
STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.05211	-0.03370	0.99744	0.99489

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	646.	6.47235	6.37809
2	40.	277.	5.62762	5.70406
3	60.	141.	4.95583	5.03003
4	80.	77.	4.35671	4.35601
5	100.	41.	3.73767	3.68198



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.53	1.82

LIGHT PROFILE ANALYSES - FOR 7/29/2003

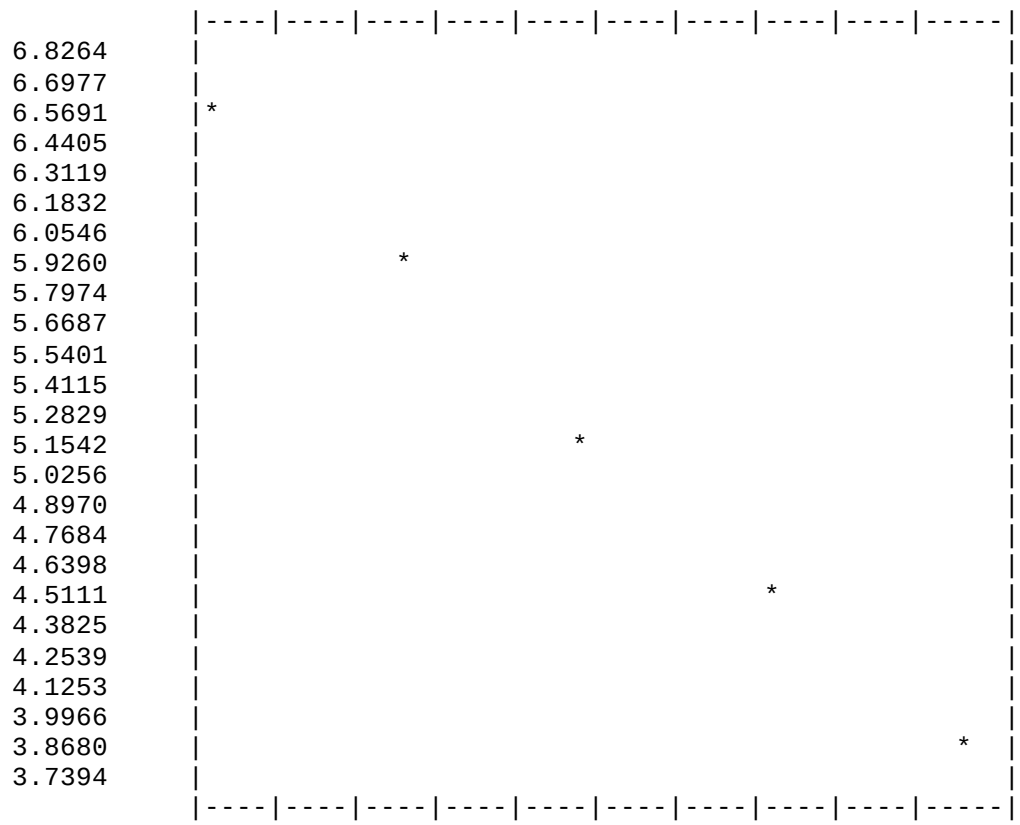
STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.14156	-0.03341	0.99955	0.99910

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	665.	6.50129	6.47341
2	40.	330.	5.80212	5.80526
3	60.	161.	5.08760	5.13711
4	80.	86.	4.46591	4.46896
5	100.	45.	3.82864	3.80081



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.51	1.84

LIGHT PROFILE ANALYSES - FOR 7/29/2003

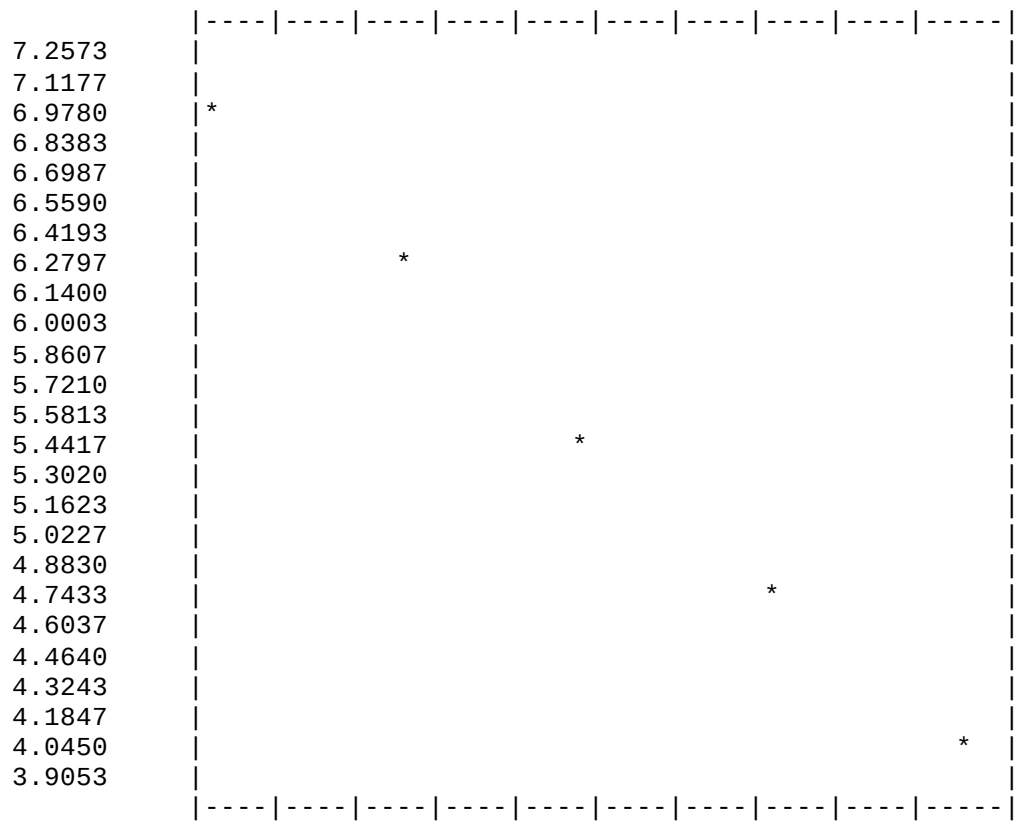
STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.59831	-0.03634	0.99793	0.99586

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1003.	6.91175	6.87143
2	40.	480.	6.17587	6.14454
3	60.	202.	5.31321	5.41765
4	80.	103.	4.64439	4.69077
5	100.	56.	4.04305	3.96388



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.73	1.69

LIGHT PROFILE ANALYSES - FOR 7/29/2003

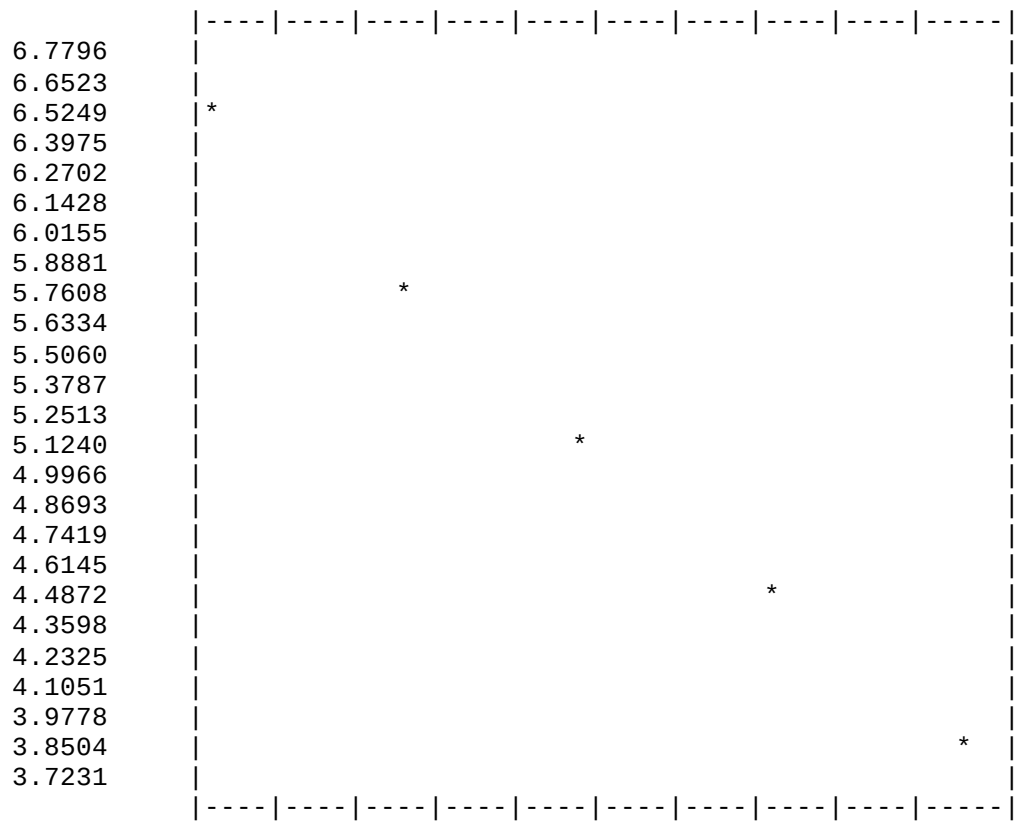
STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.06143	-0.03276	0.99911	0.99822

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	636.	6.45677	6.40613
2	40.	293.	5.68358	5.75084
3	60.	163.	5.09987	5.09554
4	80.	83.	4.43082	4.44024
5	100.	44.	3.80666	3.78494



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.46	1.87

LIGHT PROFILE ANALYSES - FOR 7/29/2003

STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.12304	-0.03289	0.99589	0.99180

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	698.	6.54965	6.46530
2	40.	328.	5.79606	5.80757
3	60.	150.	5.01728	5.14983
4	80.	85.	4.45435	4.49210
5	100.	50.	3.93183	3.83436

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8771    |                                                 |
      6.7478    |                                                 |
      6.6184    |*                                                |
      6.4890    |E                                                |
      6.3596    |                                                 |
      6.2302    |                                                 |
      6.1009    |                                                 |
      5.9715    |                                                 |
      5.8421    |            *                                    |
      5.7127    |                                                 |
      5.5833    |                                                 |
      5.4540    |                                                 |
      5.3246    |                                                 |
      5.1952    |                       E                         |
      5.0658    |                       *                         |
      4.9364    |                                                 |
      4.8071    |                                                 |
      4.6777    |                                                 |
      4.5483    |                                   *             |
      4.4189    |                                                 |
      4.2895    |                                                 |
      4.1602    |                                                 |
      4.0308    |                                              *  |
      3.9014    |                                              E  |
      3.7720    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.47	1.87

LIGHT PROFILE ANALYSES - FOR 7/29/2003

STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.31860	-0.03402	0.99682	0.99365

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	844.	6.73934	6.63819
2	40.	337.	5.82305	5.95778
3	60.	195.	5.27811	5.27737
4	80.	98.	4.59512	4.59696
5	100.	51.	3.95124	3.91655

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0763    |                                                 |
      6.9421    |                                                 |
      6.8079    |*                                                |
      6.6736    |E                                                |
      6.5394    |                                                 |
      6.4052    |                                                 |
      6.2710    |                                                 |
      6.1367    |                                                 |
      6.0025    |            E                                    |
      5.8683    |            *                                    |
      5.7341    |                                                 |
      5.5998    |                                                 |
      5.4656    |                                                 |
      5.3314    |                       *                         |
      5.1972    |                                                 |
      5.0630    |                                                 |
      4.9287    |                                                 |
      4.7945    |                                                 |
      4.6603    |                                   *             |
      4.5261    |                                                 |
      4.3918    |                                                 |
      4.2576    |                                                 |
      4.1234    |                                                 |
      3.9892    |                                             *   |
      3.8549    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.55	1.80

LIGHT PROFILE ANALYSES - FOR 7/29/2003

STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.20851	-0.03322	0.99887	0.99774

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	706.	6.56103	6.54419
2	40.	364.	5.89990	5.87987
3	60.	168.	5.12990	5.21555
4	80.	98.	4.59512	4.55123
5	100.	48.	3.89182	3.88691

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8891    |                                                 |
      6.7612    |                                                 |
      6.6334    |*                                                |
      6.5055    |                                                 |
      6.3776    |                                                 |
      6.2498    |                                                 |
      6.1219    |                                                 |
      5.9941    |            *                                    |
      5.8662    |                                                 |
      5.7383    |                                                 |
      5.6105    |                                                 |
      5.4826    |                                                 |
      5.3548    |                                                 |
      5.2269    |                       *                         |
      5.0990    |                                                 |
      4.9712    |                                                 |
      4.8433    |                                                 |
      4.7155    |                                  *              |
      4.5876    |                                  E              |
      4.4597    |                                                 |
      4.3319    |                                                 |
      4.2040    |                                                 |
      4.0762    |                                                 |
      3.9483    |                                              *  |
      3.8204    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.49	1.85

LIGHT PROFILE ANALYSES - FOR 7/29/2003

STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.15802	-0.03297	0.99553	0.99107

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	750.	6.62141	6.49862
2	40.	309.	5.73657	5.83923
3	60.	161.	5.08760	5.17984
4	80.	91.	4.52179	4.52044
5	100.	50.	3.93183	3.86105

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9525    |                                                 |
      6.8211    |                                                 |
      6.6897    |*                                                |
      6.5583    |E                                                |
      6.4270    |                                                 |
      6.2956    |                                                 |
      6.1642    |                                                 |
      6.0328    |                                                 |
      5.9014    |            E                                    |
      5.7701    |            *                                    |
      5.6387    |                                                 |
      5.5073    |                                                 |
      5.3759    |                                                 |
      5.2445    |                       E                         |
      5.1132    |                       *                         |
      4.9818    |                                                 |
      4.8504    |                                                 |
      4.7190    |                                                 |
      4.5877    |                                   *             |
      4.4563    |                                                 |
      4.3249    |                                                 |
      4.1935    |                                                 |
      4.0621    |                                             *   |
      3.9308    |                                             E   |
      3.7994    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.47	1.86

LIGHT PROFILE ANALYSES - FOR 7/29/2003

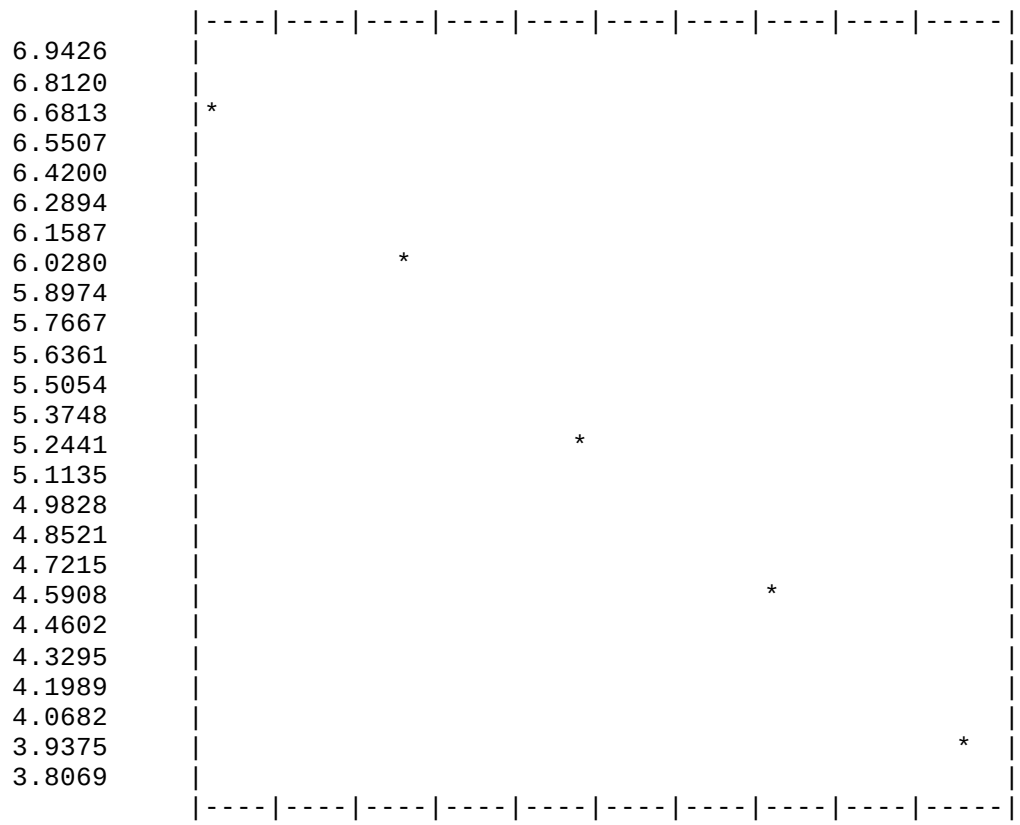
STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.25528	-0.03386	0.99889	0.99778

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	743.	6.61204	6.57817
2	40.	366.	5.90536	5.90106
3	60.	169.	5.13580	5.22395
4	80.	96.	4.57471	4.54684
5	100.	48.	3.89182	3.86973



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.54	1.81

LIGHT PROFILE ANALYSES - FOR 7/29/2003

STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.29273	-0.03566	0.99898	0.99797

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	764.	6.63988	6.57958
2	40.	327.	5.79301	5.86642
3	60.	168.	5.12990	5.15327
4	80.	86.	4.46591	4.44012
5	100.	41.	3.73767	3.72697

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9719    |                                                 |
      6.8346    |                                                 |
      6.6974    |*                                                |
      6.5601    |                                                 |
      6.4229    |                                                 |
      6.2856    |                                                 |
      6.1484    |                                                 |
      6.0111    |                                                 |
      5.8739    |            *                                    |
      5.7366    |                                                 |
      5.5994    |                                                 |
      5.4621    |                                                 |
      5.3249    |                                                 |
      5.1876    |                       *                         |
      5.0504    |                                                 |
      4.9131    |                                                 |
      4.7759    |                                                 |
      4.6386    |                                                 |
      4.5014    |                                   *             |
      4.3641    |                                                 |
      4.2269    |                                                 |
      4.0896    |                                                 |
      3.9524    |                                                 |
      3.8151    |                                             *   |
      3.6779    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.67	1.72

LIGHT PROFILE ANALYSES - FOR 7/29/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.08771	-0.03559	0.99868	0.99737

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	551.	6.31355	6.37582
2	40.	302.	5.71373	5.66393
3	60.	144.	4.97673	4.95204
4	80.	72.	4.29046	4.24015
5	100.	31.	3.46574	3.52826

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6946    |                                                 |
      6.5585    |                                                 |
      6.4224    |*                                                |
      6.2864    |                                                 |
      6.1503    |                                                 |
      6.0142    |                                                 |
      5.8781    |                                                 |
      5.7420    |            *                                    |
      5.6059    |                                                 |
      5.4698    |                                                 |
      5.3337    |                                                 |
      5.1977    |                                                 |
      5.0616    |                       *                         |
      4.9255    |                                                 |
      4.7894    |                                                 |
      4.6533    |                                                 |
      4.5172    |                                                 |
      4.3811    |                                   *             |
      4.2451    |                                   E             |
      4.1090    |                                                 |
      3.9729    |                                                 |
      3.8368    |                                                 |
      3.7007    |                                                 |
      3.5646    |                                             *   |
      3.4285    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.67	1.73

LIGHT PROFILE ANALYSES - FOR 7/29/2003

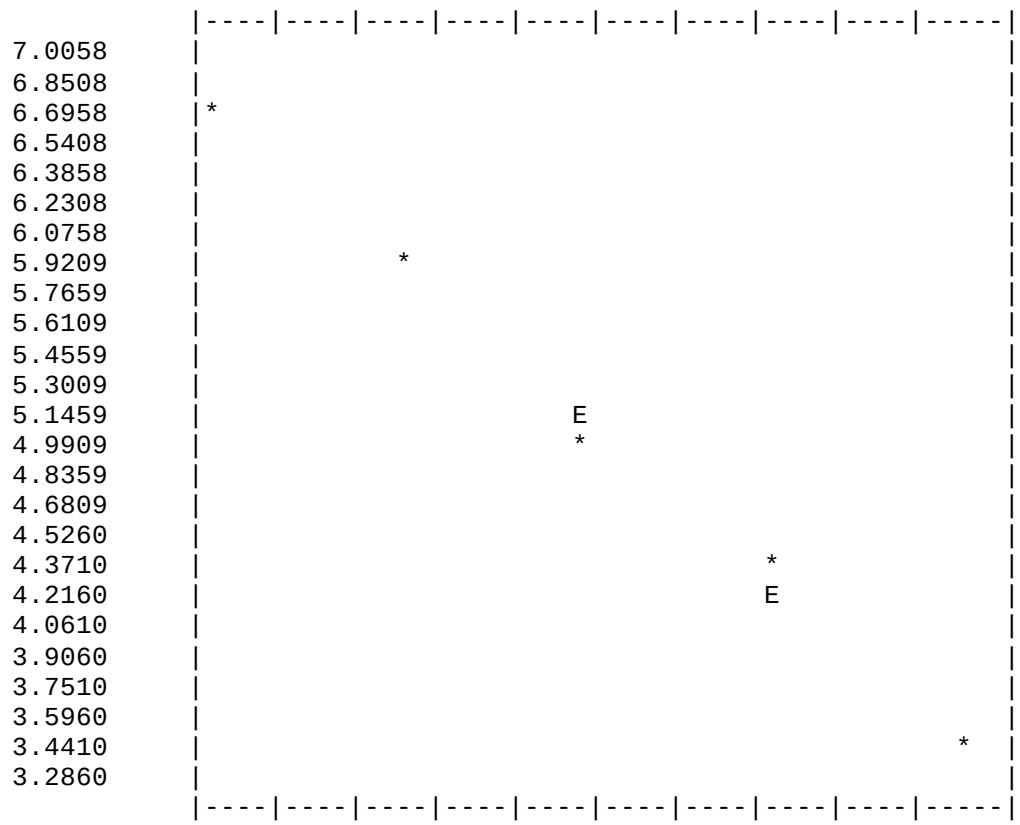
STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.50067	-0.04142	0.99864	0.99729

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	754.	6.62672	6.67217
2	40.	364.	5.89990	5.84367
3	60.	144.	4.97673	5.01517
4	80.	71.	4.27667	4.18667
5	100.	26.	3.29584	3.35817



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.11	1.48

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.69915	-0.03974	0.99683	0.99366

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	395.	5.98141	5.90428
2	40.	166.	5.11799	5.10942
3	60.	64.	4.17439	4.31455
4	80.	31.	3.46574	3.51968
5	100.	16.	2.83321	2.72482

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.2805    |                                                 |
      6.1328    |                                                 |
      5.9851    |*                                                |
      5.8375    |                                                 |
      5.6898    |                                                 |
      5.5421    |                                                 |
      5.3944    |                                                 |
      5.2467    |            *                                    |
      5.0991    |                                                 |
      4.9514    |                                                 |
      4.8037    |                                                 |
      4.6560    |                                                 |
      4.5084    |                                                 |
      4.3607    |                       E                         |
      4.2130    |                       *                         |
      4.0653    |                                                 |
      3.9177    |                                                 |
      3.7700    |                                                 |
      3.6223    |                                  E              |
      3.4746    |                                  *              |
      3.3270    |                                                 |
      3.1793    |                                                 |
      3.0316    |                                                 |
      2.8839    |                                              *  |
      2.7362    |                                              E  |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.98	1.54

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.57255	-0.03989	0.99099	0.98207

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	353.	5.86930	5.77468
2	40.	154.	5.04343	4.97680
3	60.	51.	3.95124	4.17893
4	80.	25.	3.25810	3.38106
5	100.	15.	2.77259	2.58318

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.1628    |                                                 |
      6.0144    |*                                                |
      5.8661    |E                                                |
      5.7177    |                                                 |
      5.5694    |                                                 |
      5.4210    |                                                 |
      5.2727    |                                                 |
      5.1243    |            *                                    |
      4.9760    |                                                 |
      4.8276    |                                                 |
      4.6793    |                                                 |
      4.5309    |                                                 |
      4.3826    |                                                 |
      4.2342    |                       E                         |
      4.0859    |                       *                         |
      3.9375    |                                                 |
      3.7892    |                                                 |
      3.6408    |                                                 |
      3.4925    |                                   E             |
      3.3441    |                                   *             |
      3.1958    |                                                 |
      3.0474    |                                                 |
      2.8991    |                                             *   |
      2.7507    |                                                 |
      2.6024    |                                             E   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.99	1.54

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.26013	-0.04781	0.99671	0.99342

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	637.	6.45834	6.30390
2	40.	182.	5.20949	5.34767
3	60.	72.	4.29046	4.39144
4	80.	30.	3.43399	3.43522
5	100.	12.	2.56495	2.47899

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.7813    |                                                 |
      6.6042    |*                                                |
      6.4272    |E                                                |
      6.2501    |                                                 |
      6.0731    |                                                 |
      5.8960    |                                                 |
      5.7190    |                                                 |
      5.5419    |                                                 |
      5.3649    |            *                                    |
      5.1878    |                                                 |
      5.0108    |                                                 |
      4.8337    |                                                 |
      4.6567    |                                                 |
      4.4796    |                       E                         |
      4.3026    |                       *                         |
      4.1255    |                                                 |
      3.9485    |                                                 |
      3.7714    |                                                 |
      3.5944    |                                   *             |
      3.4173    |                                                 |
      3.2403    |                                                 |
      3.0632    |                                                 |
      2.8862    |                                                 |
      2.7091    |                                             *   |
      2.5321    |                                             E   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.59	1.28

LIGHT PROFILE ANALYSES - FOR 8/26/2003

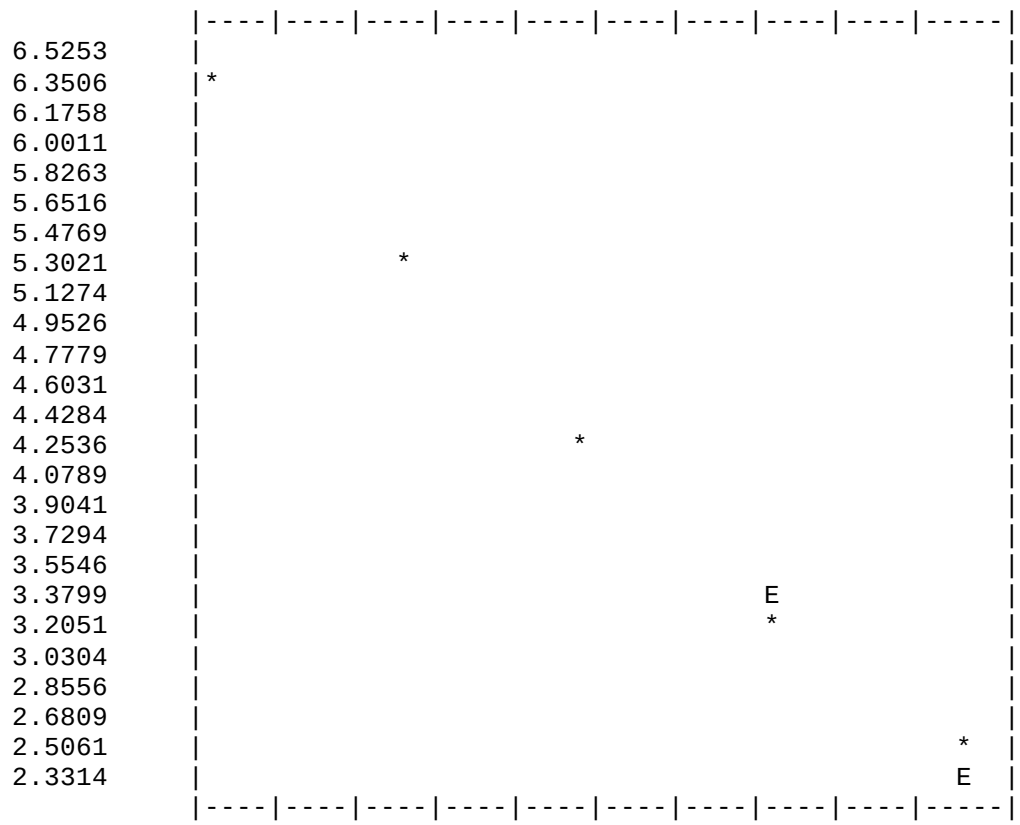
STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.15423	-0.04884	0.99771	0.99543

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	499.	6.21461	6.17742
2	40.	185.	5.22575	5.20060
3	60.	65.	4.18965	4.22379
4	80.	21.	3.09104	3.24698
5	100.	10.	2.39790	2.27016



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.66	1.26

LIGHT PROFILE ANALYSES - FOR 8/26/2003

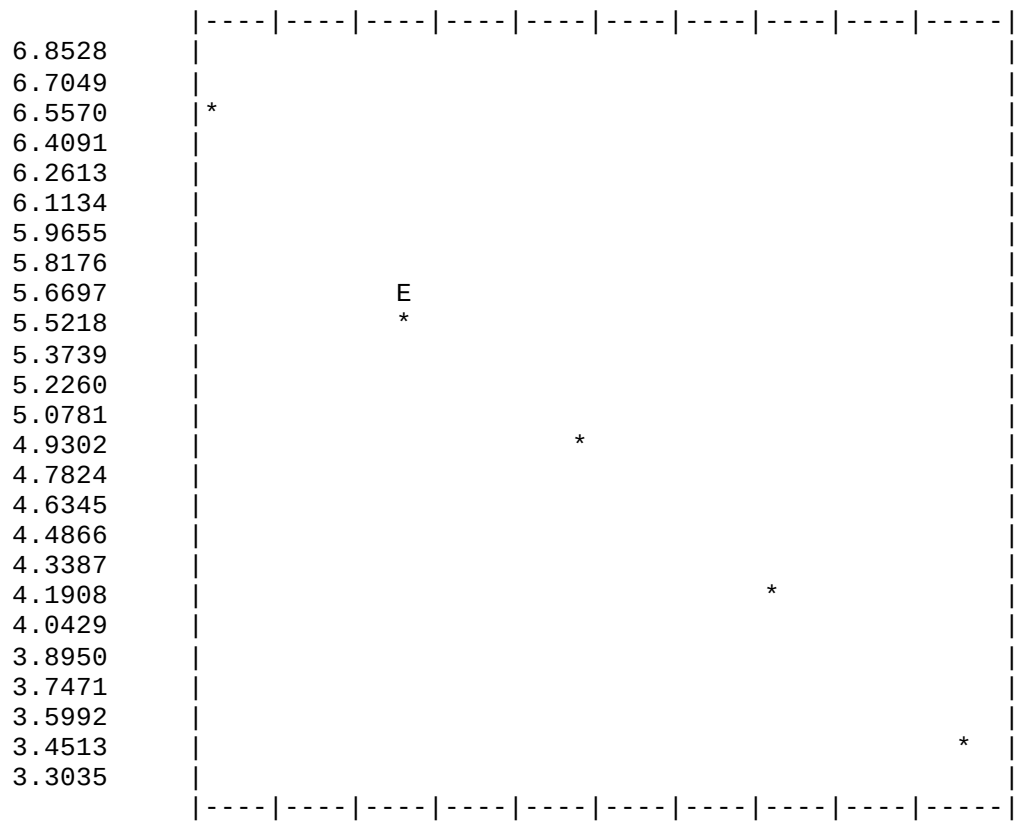
STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.18837	-0.03867	0.99729	0.99458

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	682.	6.52649	6.41503
2	40.	246.	5.50939	5.64169
3	60.	126.	4.84419	4.86834
4	80.	59.	4.09434	4.09500
5	100.	28.	3.36730	3.32165



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.90	1.59

LIGHT PROFILE ANALYSES - FOR 8/26/2003

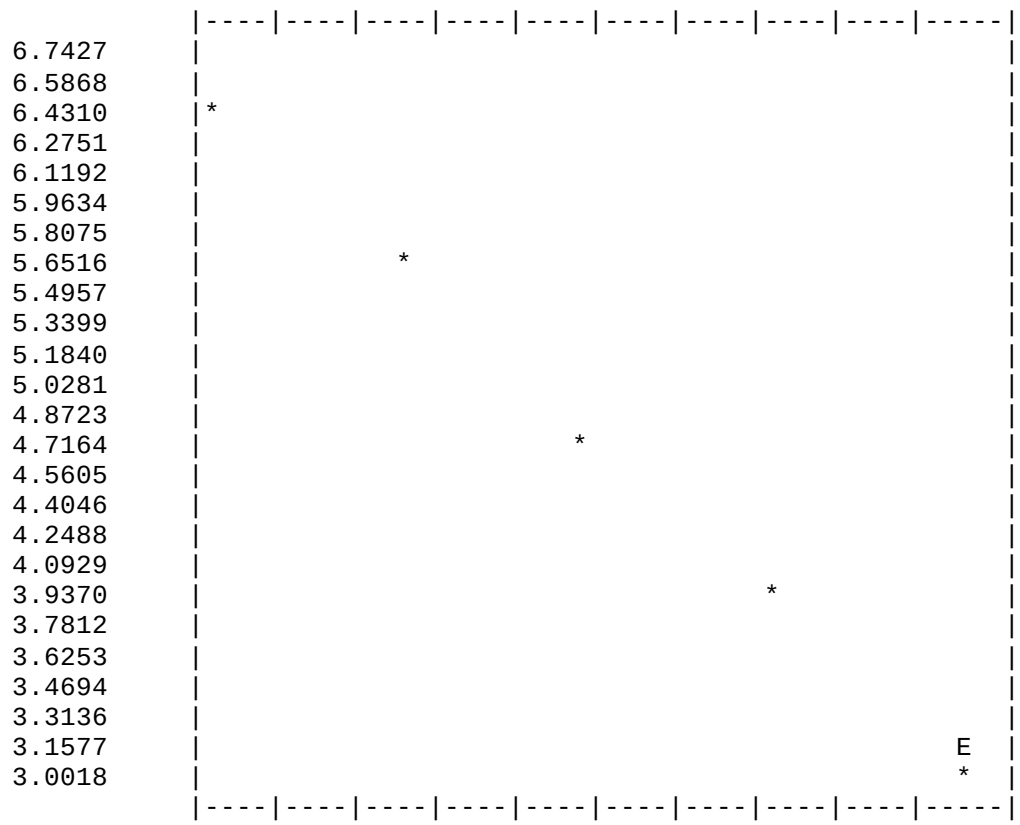
STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.25884	-0.04253	0.99984	0.99968

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	614.	6.42162	6.40832
2	40.	255.	5.54518	5.55781
3	60.	107.	4.68213	4.70730
4	80.	48.	3.89182	3.85678
5	100.	19.	2.99573	3.00627



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.19	1.44

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.31748	-0.04208	0.99650	0.99302

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	603.	6.40357	6.47593
2	40.	333.	5.81114	5.63438
3	60.	107.	4.68213	4.79283
4	80.	50.	3.93183	3.95129
5	100.	22.	3.13549	3.10974

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.7997    |                                                 |
      6.6459    |                                                 |
      6.4921    |*                                                |
      6.3383    |                                                 |
      6.1844    |                                                 |
      6.0306    |                                                 |
      5.8768    |            *                                    |
      5.7230    |            E                                    |
      5.5692    |                                                 |
      5.4154    |                                                 |
      5.2615    |                                                 |
      5.1077    |                                                 |
      4.9539    |                                                 |
      4.8001    |                       *                         |
      4.6463    |                                                 |
      4.4924    |                                                 |
      4.3386    |                                                 |
      4.1848    |                                                 |
      4.0310    |                                   *             |
      3.8772    |                                                 |
      3.7233    |                                                 |
      3.5695    |                                                 |
      3.4157    |                                                 |
      3.2619    |                                             *   |
      3.1081    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.16	1.46

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.32485	-0.04151	0.99993	0.99987

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	658.	6.49072	6.49469
2	40.	293.	5.68358	5.66453
3	60.	122.	4.81218	4.83437
4	80.	54.	4.00733	4.00422
5	100.	23.	3.17805	3.17406

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8194    |                                                 |
      6.6673    |                                                 |
      6.5151    |*                                                |
      6.3629    |                                                 |
      6.2108    |                                                 |
      6.0586    |                                                 |
      5.9064    |                                                 |
      5.7543    |            *                                    |
      5.6021    |                                                 |
      5.4500    |                                                 |
      5.2978    |                                                 |
      5.1456    |                                                 |
      4.9935    |                                                 |
      4.8413    |                       *                         |
      4.6891    |                                                 |
      4.5370    |                                                 |
      4.3848    |                                                 |
      4.2327    |                                                 |
      4.0805    |                                   *             |
      3.9283    |                                                 |
      3.7762    |                                                 |
      3.6240    |                                                 |
      3.4718    |                                                 |
      3.3197    |                                              *  |
      3.1675    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.11	1.48

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.31347	-0.04091	0.99370	0.98743

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	103.	4.64439	4.49535
2	40.	36.	3.61092	3.67723
3	60.	14.	2.70805	2.85911
4	80.	6.	1.94591	2.04099
5	100.	3.	1.38629	1.22287

```
                |----|----|----|----|----|----|----|----|----|-----|
      4.8766    |                                                 |
      4.7280    |*                                                |
      4.5794    |E                                                |
      4.4308    |                                                 |
      4.2822    |                                                 |
      4.1336    |                                                 |
      3.9850    |                                                 |
      3.8364    |                                                 |
      3.6878    |            *                                    |
      3.5393    |                                                 |
      3.3907    |                                                 |
      3.2421    |                                                 |
      3.0935    |                                                 |
      2.9449    |                       E                         |
      2.7963    |                       *                         |
      2.6477    |                                                 |
      2.4991    |                                                 |
      2.3505    |                                                 |
      2.2019    |                                                 |
      2.0533    |                                   *             |
      1.9047    |                                                 |
      1.7561    |                                                 |
      1.6075    |                                                 |
      1.4589    |                                             *   |
      1.3103    |                                             E   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.07	1.50

LIGHT PROFILE ANALYSES - FOR 8/26/2003

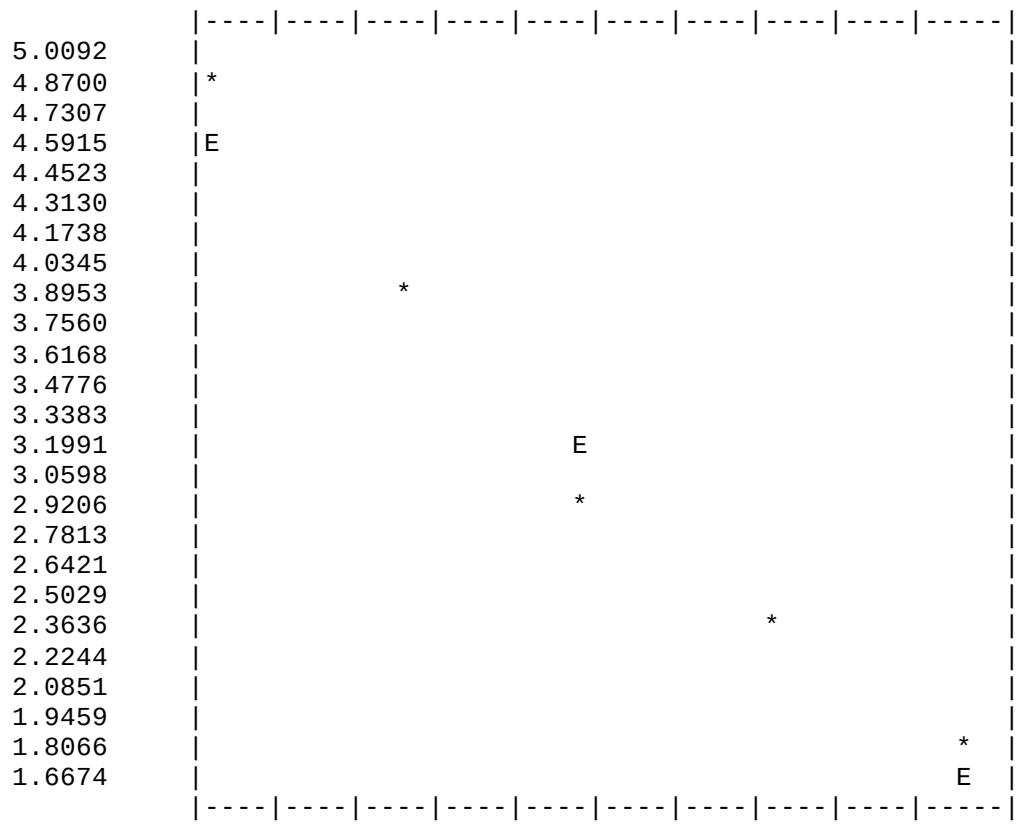
STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.32832	-0.03720	0.98731	0.97477

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	117.	4.77068	4.58438
2	40.	43.	3.78419	3.84043
3	60.	16.	2.83321	3.09649
4	80.	9.	2.30259	2.35254
5	100.	5.	1.79176	1.60860



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.79	1.65

LIGHT PROFILE ANALYSES - FOR 8/26/2003

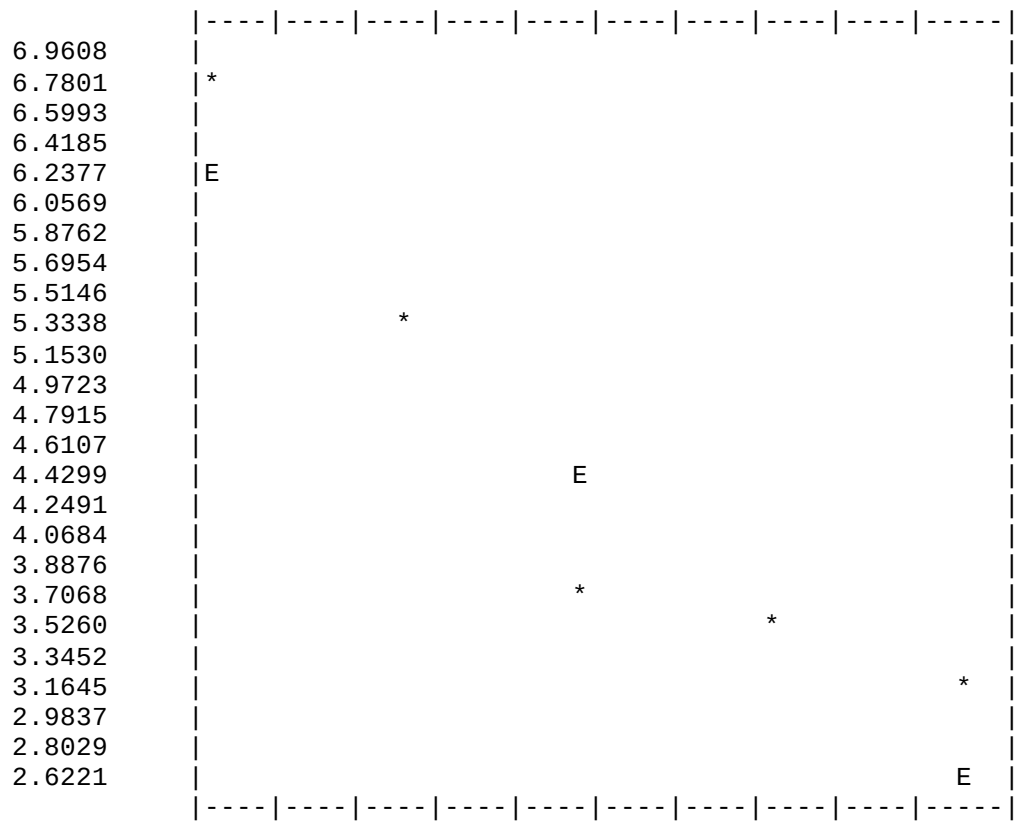
STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.12107	-0.04551	0.95188	0.90607

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	756.	6.62936	6.21082
2	40.	187.	5.23644	5.30057
3	60.	39.	3.68888	4.39032
4	80.	29.	3.40120	3.48007
5	100.	19.	2.99573	2.56982



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.41	1.35

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.75744	-0.04260	0.99680	0.99362

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	146.	4.99043	4.90545
2	40.	57.	4.06044	4.05347
3	60.	20.	3.04452	3.20148
4	80.	9.	2.30259	2.34950
5	100.	4.	1.60944	1.49751

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.2400    |                                                 |
      5.0873    |*                                                |
      4.9346    |E                                                |
      4.7819    |                                                 |
      4.6292    |                                                 |
      4.4765    |                                                 |
      4.3238    |                                                 |
      4.1711    |            *                                    |
      4.0184    |                                                 |
      3.8657    |                                                 |
      3.7130    |                                                 |
      3.5603    |                                                 |
      3.4076    |                                                 |
      3.2549    |                       E                         |
      3.1023    |                       *                         |
      2.9496    |                                                 |
      2.7969    |                                                 |
      2.6442    |                                                 |
      2.4915    |                                  E              |
      2.3388    |                                  *              |
      2.1861    |                                                 |
      2.0334    |                                                 |
      1.8807    |                                                 |
      1.7280    |                                              *  |
      1.5753    |                                              E  |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.19	1.44

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.34873	-0.04305	0.99257	0.98520

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	790.	6.67330	6.48767
2	40.	245.	5.50533	5.62661
3	60.	93.	4.54329	4.76554
4	80.	52.	3.97029	3.90448
5	100.	22.	3.13549	3.04341

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0070    |                                                 |
      6.8423    |                                                 |
      6.6777    |*                                                |
      6.5131    |E                                                |
      6.3484    |                                                 |
      6.1838    |                                                 |
      6.0192    |                                                 |
      5.8546    |                                                 |
      5.6899    |            E                                    |
      5.5253    |            *                                    |
      5.3607    |                                                 |
      5.1960    |                                                 |
      5.0314    |                                                 |
      4.8668    |                       E                         |
      4.7022    |                       *                         |
      4.5375    |                                                 |
      4.3729    |                                                 |
      4.2083    |                                                 |
      4.0436    |                                   *             |
      3.8790    |                                                 |
      3.7144    |                                                 |
      3.5498    |                                                 |
      3.3851    |                                                 |
      3.2205    |                                             *   |
      3.0559    |                                             E   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.23	1.43

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
4.83470	-0.03839	0.99292	0.98589

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	66.	4.20469	4.06685
2	40.	25.	3.25810	3.29900
3	60.	9.	2.30259	2.53115
4	80.	5.	1.79176	1.76330
5	100.	2.	1.09861	0.99545

```
                |----|----|----|----|----|----|----|----|----|-----|
      4.4149    |                                                 |
      4.2762    |*                                                |
      4.1374    |E                                                |
      3.9986    |                                                 |
      3.8598    |                                                 |
      3.7211    |                                                 |
      3.5823    |                                                 |
      3.4435    |                                                 |
      3.3048    |            *                                    |
      3.1660    |                                                 |
      3.0272    |                                                 |
      2.8885    |                                                 |
      2.7497    |                                                 |
      2.6109    |                       E                         |
      2.4721    |                                                 |
      2.3334    |                       *                         |
      2.1946    |                                                 |
      2.0558    |                                                 |
      1.9171    |                                   *             |
      1.7783    |                                   E             |
      1.6395    |                                                 |
      1.5008    |                                                 |
      1.3620    |                                                 |
      1.2232    |                                             *   |
      1.0844    |                                             E   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.88	1.60

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.11167	-0.04486	0.95730	0.91642

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	143.	4.96981	5.21447
2	40.	75.	4.33073	4.31726
3	60.	60.	4.11087	3.42006
4	80.	7.	2.07944	2.52286
5	100.	4.	1.60944	1.62565

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.4752    |                                                 |
      5.3173    |E                                                |
      5.1595    |                                                 |
      5.0016    |*                                                |
      4.8438    |                                                 |
      4.6859    |                                                 |
      4.5281    |                                                 |
      4.3702    |            *                                    |
      4.2124    |                       *                         |
      4.0546    |                                                 |
      3.8967    |                                                 |
      3.7389    |                                                 |
      3.5810    |                                                 |
      3.4232    |                       E                         |
      3.2653    |                                                 |
      3.1075    |                                                 |
      2.9496    |                                                 |
      2.7918    |                                                 |
      2.6339    |                                   E             |
      2.4761    |                                                 |
      2.3182    |                                                 |
      2.1604    |                                   *             |
      2.0025    |                                                 |
      1.8447    |                                                 |
      1.6868    |                                             *   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.36	1.37

LIGHT PROFILE ANALYSES - FOR 8/26/2003

STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.69937	-0.04075	0.97880	0.95804

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	156.	5.05625	4.88431
2	40.	61.	4.12713	4.06925
3	60.	18.	2.94444	3.25419
4	80.	8.	2.19722	2.43913
5	100.	6.	1.94591	1.62407

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.3091    |                                                 |
      5.1584    |*                                                |
      5.0078    |E                                                |
      4.8571    |                                                 |
      4.7065    |                                                 |
      4.5558    |                                                 |
      4.4052    |                                                 |
      4.2545    |            *                                    |
      4.1039    |            E                                    |
      3.9532    |                                                 |
      3.8026    |                                                 |
      3.6519    |                                                 |
      3.5013    |                                                 |
      3.3506    |                       E                         |
      3.2000    |                                                 |
      3.0493    |                       *                         |
      2.8987    |                                                 |
      2.7481    |                                                 |
      2.5974    |                                                 |
      2.4468    |                                   E             |
      2.2961    |                                   *             |
      2.1455    |                                                 |
      1.9948    |                                             *   |
      1.8442    |                                                 |
      1.6935    |                                             E   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.06	1.51

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.20960	-0.03487	0.99239	0.98484

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	292.	5.68017	5.51211
2	40.	107.	4.68213	4.81463
3	60.	53.	3.98898	4.11714
4	80.	29.	3.40120	3.41965
5	100.	16.	2.83321	2.72217

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.9642    |                                                 |
      5.8291    |                                                 |
      5.6939    |*                                                |
      5.5588    |E                                                |
      5.4237    |                                                 |
      5.2886    |                                                 |
      5.1534    |                                                 |
      5.0183    |                                                 |
      4.8832    |            E                                    |
      4.7481    |            *                                    |
      4.6129    |                                                 |
      4.4778    |                                                 |
      4.3427    |                                                 |
      4.2076    |                       E                         |
      4.0724    |                       *                         |
      3.9373    |                                                 |
      3.8022    |                                                 |
      3.6671    |                                                 |
      3.5319    |                                   *             |
      3.3968    |                                                 |
      3.2617    |                                                 |
      3.1266    |                                                 |
      2.9914    |                                                 |
      2.8563    |                                             *   |
      2.7212    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.62	1.76

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.51184	-0.02248	0.99831	0.99663

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	448.	6.10702	6.06219
2	40.	267.	5.59099	5.61255
3	60.	165.	5.11199	5.16291
4	80.	109.	4.70048	4.71327
5	100.	73.	4.30407	4.26362

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.4124    |                                                 |
      6.3179    |                                                 |
      6.2234    |                                                 |
      6.1289    |*                                                |
      6.0345    |                                                 |
      5.9400    |                                                 |
      5.8455    |                                                 |
      5.7510    |                                                 |
      5.6566    |            *                                    |
      5.5621    |                                                 |
      5.4676    |                                                 |
      5.3731    |                                                 |
      5.2786    |                                                 |
      5.1842    |                       *                         |
      5.0897    |                                                 |
      4.9952    |                                                 |
      4.9007    |                                                 |
      4.8063    |                                  E              |
      4.7118    |                                  *              |
      4.6173    |                                                 |
      4.5228    |                                                 |
      4.4284    |                                                 |
      4.3339    |                                              *  |
      4.2394    |                                                 |
      4.1449    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.69	2.73

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.43498	-0.02621	0.99936	0.99873

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	382.	5.94803	5.91077
2	40.	209.	5.34711	5.38656
3	60.	126.	4.84419	4.86236
4	80.	76.	4.34381	4.33815
5	100.	45.	3.82864	3.81394

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.2454    |                                                 |
      6.1405    |                                                 |
      6.0357    |*                                                |
      5.9308    |E                                                |
      5.8259    |                                                 |
      5.7210    |                                                 |
      5.6161    |                                                 |
      5.5112    |                                                 |
      5.4063    |            *                                    |
      5.3014    |                                                 |
      5.1966    |                                                 |
      5.0917    |                                                 |
      4.9868    |                                                 |
      4.8819    |                       *                         |
      4.7770    |                                                 |
      4.6721    |                                                 |
      4.5672    |                                                 |
      4.4623    |                                                 |
      4.3575    |                                   *             |
      4.2526    |                                                 |
      4.1477    |                                                 |
      4.0428    |                                                 |
      3.9379    |                                                 |
      3.8330    |                                              *  |
      3.7281    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.97	2.34

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.64059	-0.02832	0.99409	0.98821

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	488.	6.19236	6.07410
2	40.	225.	5.42054	5.50761
3	60.	126.	4.84419	4.94112
4	80.	77.	4.35671	4.37463
5	100.	48.	3.89182	3.80814

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.5020    |                                                 |
      6.3866    |                                                 |
      6.2712    |*                                                |
      6.1559    |E                                                |
      6.0405    |                                                 |
      5.9251    |                                                 |
      5.8098    |                                                 |
      5.6944    |                                                 |
      5.5790    |            E                                    |
      5.4637    |            *                                    |
      5.3483    |                                                 |
      5.2329    |                                                 |
      5.1175    |                                                 |
      5.0022    |                       E                         |
      4.8868    |                       *                         |
      4.7714    |                                                 |
      4.6561    |                                                 |
      4.5407    |                                                 |
      4.4253    |                                   *             |
      4.3100    |                                                 |
      4.1946    |                                                 |
      4.0792    |                                                 |
      3.9638    |                                              *  |
      3.8485    |                                              E  |
      3.7331    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.12	2.17

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.14475	-0.02722	0.99456	0.98914

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	273.	5.61313	5.60028
2	40.	163.	5.09987	5.05580
3	60.	88.	4.48864	4.51133
4	80.	45.	3.82864	3.96685
5	100.	33.	3.52636	3.42237

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.8938    |                                                 |
      5.7881    |                                                 |
      5.6824    |*                                                |
      5.5767    |                                                 |
      5.4710    |                                                 |
      5.3653    |                                                 |
      5.2596    |                                                 |
      5.1539    |            *                                    |
      5.0482    |                                                 |
      4.9425    |                                                 |
      4.8368    |                                                 |
      4.7311    |                                                 |
      4.6254    |                                                 |
      4.5197    |                       *                         |
      4.4140    |                                                 |
      4.3083    |                                                 |
      4.2026    |                                                 |
      4.0969    |                                                 |
      3.9912    |                                   E             |
      3.8855    |                                   *             |
      3.7798    |                                                 |
      3.6741    |                                                 |
      3.5684    |                                              *  |
      3.4627    |                                              E  |
      3.3570    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.04	2.26

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.85590	-0.03088	0.99303	0.98611

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	209.	5.34711	5.23827
2	40.	98.	4.59512	4.62063
3	60.	46.	3.85015	4.00299
4	80.	27.	3.33220	3.38535
5	100.	17.	2.89037	2.76771

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.6145    |                                                 |
      5.4951    |                                                 |
      5.3757    |*                                                |
      5.2562    |E                                                |
      5.1368    |                                                 |
      5.0174    |                                                 |
      4.8980    |                                                 |
      4.7786    |                                                 |
      4.6592    |            *                                    |
      4.5398    |                                                 |
      4.4204    |                                                 |
      4.3010    |                                                 |
      4.1816    |                                                 |
      4.0622    |                       E                         |
      3.9428    |                       *                         |
      3.8234    |                                                 |
      3.7040    |                                                 |
      3.5846    |                                                 |
      3.4652    |                                   E             |
      3.3458    |                                   *             |
      3.2264    |                                                 |
      3.1070    |                                                 |
      2.9875    |                                             *   |
      2.8681    |                                             E   |
      2.7487    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.32	1.99

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.24753	-0.02916	0.98170	0.96374

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	324.	5.78383	5.66431
2	40.	167.	5.12396	5.08108
3	60.	69.	4.24850	4.49786
4	80.	44.	3.80666	3.91464
5	100.	33.	3.52636	3.33142

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.0730    |                                                 |
      5.9567    |                                                 |
      5.8404    |*                                                |
      5.7240    |E                                                |
      5.6077    |                                                 |
      5.4914    |                                                 |
      5.3751    |                                                 |
      5.2587    |                                                 |
      5.1424    |            *                                    |
      5.0261    |                                                 |
      4.9097    |                                                 |
      4.7934    |                                                 |
      4.6771    |                                                 |
      4.5608    |                       E                         |
      4.4444    |                                                 |
      4.3281    |                       *                         |
      4.2118    |                                                 |
      4.0955    |                                                 |
      3.9791    |                                   E             |
      3.8628    |                                   *             |
      3.7465    |                                                 |
      3.6302    |                                               *  |
      3.5138    |                                                 |
      3.3975    |                                               E  |
      3.2812    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.19	2.11

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.94024	-0.03166	0.99283	0.98570

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	207.	5.33754	5.30696
2	40.	117.	4.77068	4.67368
3	60.	47.	3.87120	4.04040
4	80.	27.	3.33220	3.40712
5	100.	17.	2.89037	2.77384

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.6044    |                                                 |
      5.4856    |                                                 |
      5.3669    |*                                                |
      5.2481    |                                                 |
      5.1293    |                                                 |
      5.0106    |                                                 |
      4.8918    |                                                 |
      4.7730    |            *                                    |
      4.6543    |                                                 |
      4.5355    |                                                 |
      4.4167    |                                                 |
      4.2979    |                                                 |
      4.1792    |                                                 |
      4.0604    |                       E                         |
      3.9416    |                       *                         |
      3.8229    |                                                 |
      3.7041    |                                                 |
      3.5853    |                                                 |
      3.4665    |                                   E             |
      3.3478    |                                   *             |
      3.2290    |                                                 |
      3.1102    |                                                 |
      2.9915    |                                             *   |
      2.8727    |                                             E   |
      2.7539    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.37	1.94

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.84386	-0.03027	0.99469	0.98942

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	209.	5.34711	5.23844
2	40.	96.	4.57471	4.63302
3	60.	48.	3.89182	4.02760
4	80.	30.	3.43399	3.42218
5	100.	17.	2.89037	2.81676

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.6145    |                                                 |
      5.4969    |                                                 |
      5.3794    |*                                                |
      5.2618    |E                                                |
      5.1443    |                                                 |
      5.0268    |                                                 |
      4.9092    |                                                 |
      4.7917    |                                                 |
      4.6741    |            *                                    |
      4.5566    |                                                 |
      4.4390    |                                                 |
      4.3215    |                                                 |
      4.2040    |                                                 |
      4.0864    |                       E                         |
      3.9689    |                       *                         |
      3.8513    |                                                 |
      3.7338    |                                                 |
      3.6163    |                                                 |
      3.4987    |                                   *             |
      3.3812    |                                                 |
      3.2636    |                                                 |
      3.1461    |                                                 |
      3.0285    |                                                 |
      2.9110    |                                             *   |
      2.7935    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.27	2.03

LIGHT PROFILE ANALYSES - FOR 9/23/2003

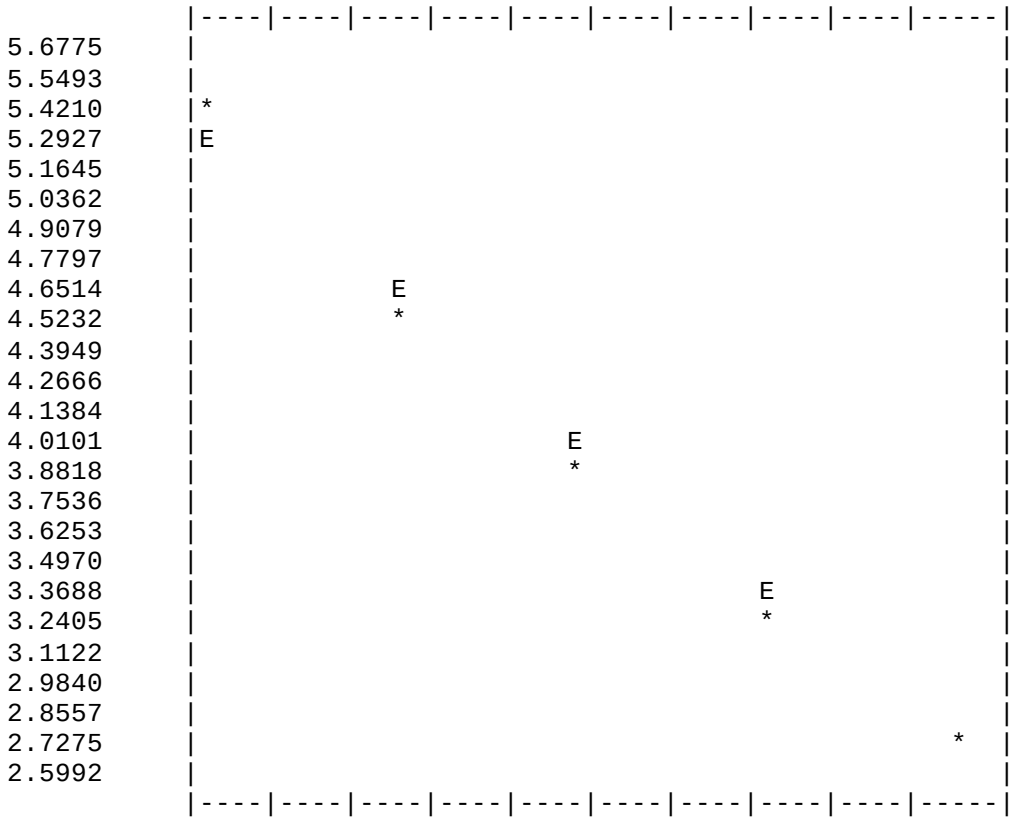
STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.89402	-0.03293	0.99133	0.98274

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	222.	5.40717	5.23541
2	40.	81.	4.40672	4.57680
3	60.	46.	3.85015	3.91819
4	80.	24.	3.21888	3.25958
5	100.	14.	2.70805	2.60098



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.47	1.86

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.42609	-0.02727	0.99351	0.98707

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	144.	4.97673	4.88067
2	40.	73.	4.30407	4.33524
3	60.	37.	3.63759	3.78981
4	80.	25.	3.25810	3.24439
5	100.	15.	2.77259	2.69896

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.2256    |                                                 |
      5.1191    |                                                 |
      5.0126    |*                                                |
      4.9062    |E                                                |
      4.7997    |                                                 |
      4.6933    |                                                 |
      4.5868    |                                                 |
      4.4803    |                                                 |
      4.3739    |            *                                    |
      4.2674    |                                                 |
      4.1609    |                                                 |
      4.0545    |                                                 |
      3.9480    |                                                 |
      3.8416    |                       E                         |
      3.7351    |                       *                         |
      3.6286    |                                                 |
      3.5222    |                                                 |
      3.4157    |                                                 |
      3.3092    |                                   *             |
      3.2028    |                                                 |
      3.0963    |                                                 |
      2.9899    |                                                 |
      2.8834    |                                                 |
      2.7769    |                                              *  |
      2.6705    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.05	2.25

LIGHT PROFILE ANALYSES - FOR 9/23/2003

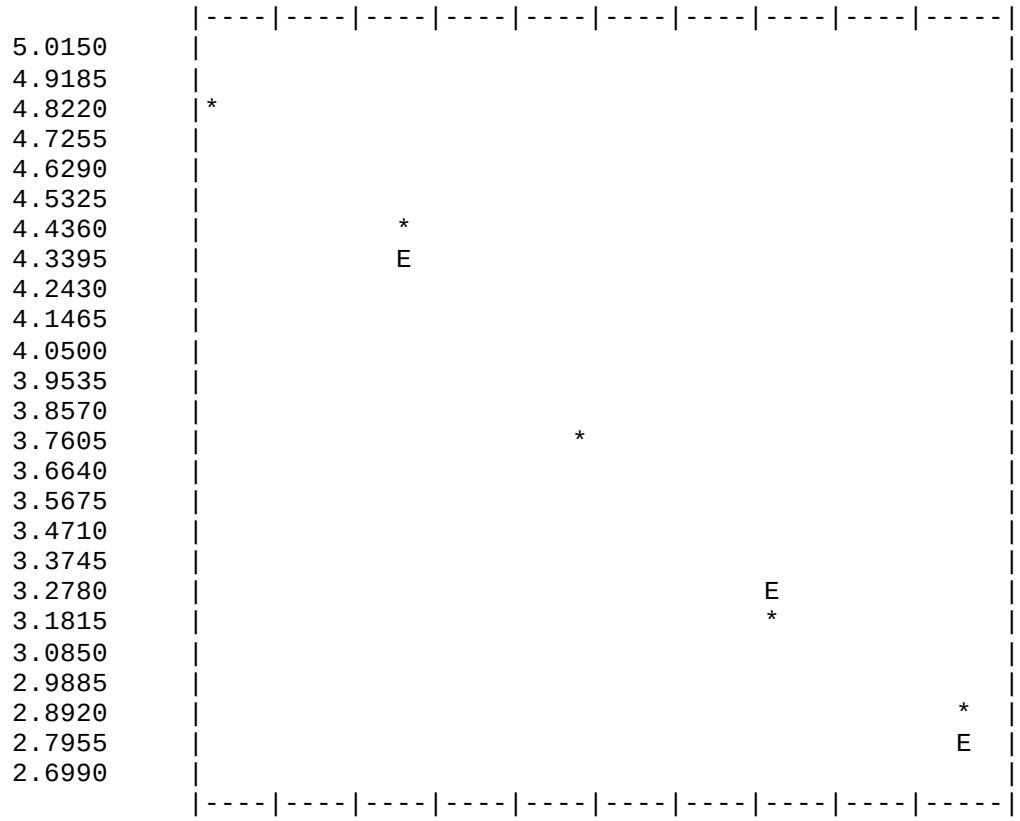
STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.28541	-0.02546	0.99293	0.98592

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	116.	4.76217	4.77622
2	40.	78.	4.36945	4.26703
3	60.	39.	3.68888	3.75784
4	80.	22.	3.13549	3.24865
5	100.	16.	2.83321	2.73947



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.91	2.41

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.17489	-0.02892	0.98432	0.96889

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	118.	4.77912	4.59648
2	40.	49.	3.91202	4.01807
3	60.	24.	3.21888	3.43966
4	80.	17.	2.89037	2.86125
5	100.	10.	2.39790	2.28284

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.0181    |                                                 |
      4.9041    |                                                 |
      4.7901    |*                                                |
      4.6762    |E                                                |
      4.5622    |                                                 |
      4.4482    |                                                 |
      4.3342    |                                                 |
      4.2203    |                                                 |
      4.1063    |            E                                    |
      3.9923    |            *                                    |
      3.8783    |                                                 |
      3.7643    |                                                 |
      3.6504    |                                                 |
      3.5364    |                       E                         |
      3.4224    |                                                 |
      3.3084    |                       *                         |
      3.1945    |                                                 |
      3.0805    |                                                 |
      2.9665    |                                   *             |
      2.8525    |                                                 |
      2.7386    |                                                 |
      2.6246    |                                                 |
      2.5106    |                                              *  |
      2.3966    |                                              E  |
      2.2827    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.17	2.12

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.07913	-0.02557	0.98069	0.96176

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	116.	4.76217	4.56776
2	40.	49.	3.91202	4.05639
3	60.	28.	3.36730	3.54501
4	80.	20.	3.04452	3.03364
5	100.	13.	2.63906	2.52227

```
                |----|----|----|----|----|----|----|----|----|-----|
     5.0003     |                                                 |
     4.8961     |                                                 |
     4.7920     |*                                                |
     4.6878     |                                                 |
     4.5836     |E                                                |
     4.4795     |                                                 |
     4.3753     |                                                 |
     4.2711     |                                                 |
     4.1670     |                                                 |
     4.0628     |            E                                    |
     3.9586     |            *                                    |
     3.8545     |                                                 |
     3.7503     |                                                 |
     3.6461     |                       E                         |
     3.5420     |                                                 |
     3.4378     |                       *                         |
     3.3336     |                                                 |
     3.2295     |                                                 |
     3.1253     |                                   *             |
     3.0211     |                                                 |
     2.9170     |                                                 |
     2.8128     |                                                 |
     2.7087     |                                              *  |
     2.6045     |                                              E  |
     2.5003     |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

          19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.92	2.40

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.33109	-0.02986	0.99713	0.99427

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	114.	4.74493	4.73391
2	40.	60.	4.11087	4.13674
3	60.	36.	3.61092	3.53957
4	80.	16.	2.83321	2.94239
5	100.	10.	2.39790	2.34522

```
                |----|----|----|----|----|----|----|----|----|-----|
      4.9822    |                                                 |
      4.8720    |                                                 |
      4.7618    |*                                                |
      4.6517    |                                                 |
      4.5415    |                                                 |
      4.4313    |                                                 |
      4.3212    |                                                 |
      4.2110    |            *                                    |
      4.1008    |                                                 |
      3.9907    |                                                 |
      3.8805    |                                                 |
      3.7703    |                                                 |
      3.6602    |                       *                         |
      3.5500    |                       E                         |
      3.4398    |                                                 |
      3.3296    |                                                 |
      3.2195    |                                                 |
      3.1093    |                                                 |
      2.9991    |                                  E              |
      2.8890    |                                  *              |
      2.7788    |                                                 |
      2.6686    |                                                 |
      2.5585    |                                                 |
      2.4483    |                                             *   |
      2.3381    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.24	2.06

LIGHT PROFILE ANALYSES - FOR 9/23/2003

STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
4.98422	-0.02801	0.99069	0.98148

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	93.	4.54329	4.42402
2	40.	45.	3.82864	3.86381
3	60.	22.	3.13549	3.30361
4	80.	14.	2.70805	2.74341
5	100.	9.	2.30259	2.18321

```
                |----|----|----|----|----|----|----|----|----|-----|
      4.7705    |                                                 |
      4.6626    |                                                 |
      4.5547    |*                                                |
      4.4469    |E                                                |
      4.3390    |                                                 |
      4.2312    |                                                 |
      4.1233    |                                                 |
      4.0155    |                                                 |
      3.9076    |            *                                    |
      3.7998    |                                                 |
      3.6919    |                                                 |
      3.5840    |                                                 |
      3.4762    |                                                 |
      3.3683    |                       E                         |
      3.2605    |                                                 |
      3.1526    |                       *                         |
      3.0448    |                                                 |
      2.9369    |                                                 |
      2.8290    |                                   E             |
      2.7212    |                                   *             |
      2.6133    |                                                 |
      2.5055    |                                                 |
      2.3976    |                                             *   |
      2.2898    |                                             E   |
      2.1819    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.10	2.19

LIGHT PROFILE ANALYSES - FOR10/21/2003

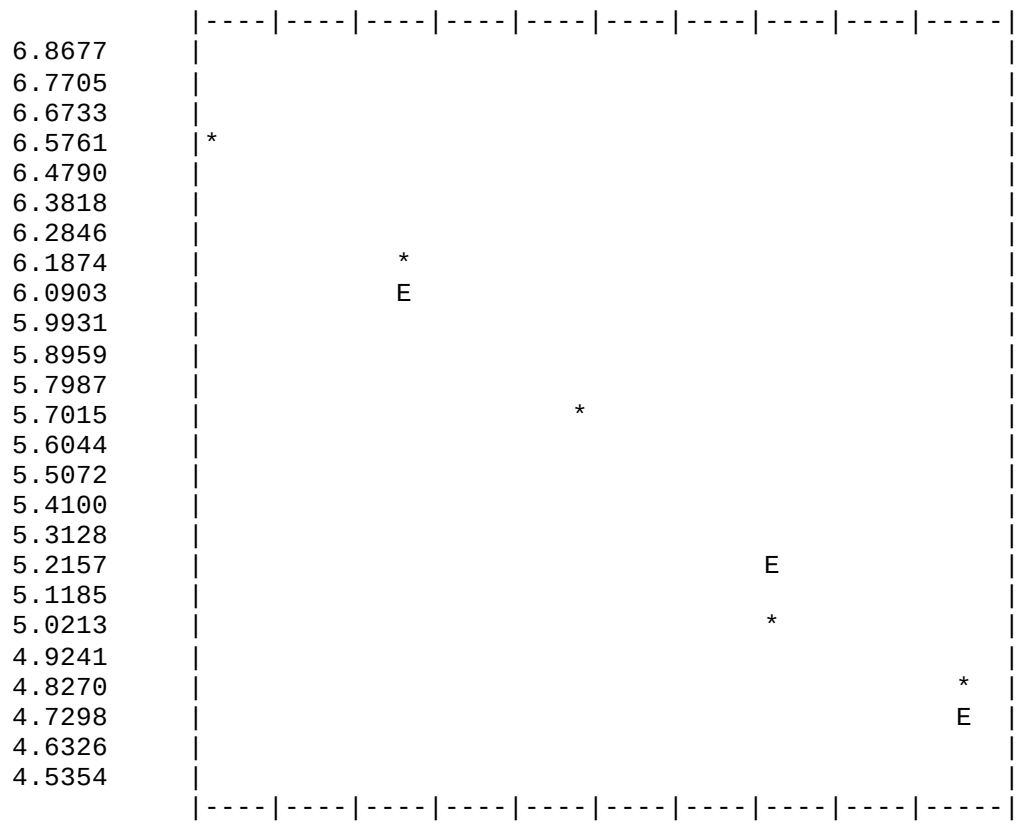
STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.00783	-0.02336	0.99227	0.98461

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	678.	6.52062	6.54063
2	40.	442.	6.09357	6.07343
3	60.	295.	5.69036	5.60624
4	80.	146.	4.99043	5.13904
5	100.	113.	4.73620	4.67184



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.75	2.63

LIGHT PROFILE ANALYSES - FOR10/21/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.90431	-0.01953	0.98174	0.96382

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	745.	6.61473	6.51371
2	40.	439.	6.08677	6.12311
3	60.	254.	5.54126	5.73251
4	80.	227.	5.42935	5.34191
5	100.	146.	4.99043	4.95131

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9455    |                                                 |
      6.8558    |                                                 |
      6.7661    |                                                 |
      6.6765    |*                                                |
      6.5868    |E                                                |
      6.4971    |                                                 |
      6.4074    |                                                 |
      6.3178    |                                                 |
      6.2281    |                                                 |
      6.1384    |            *                                    |
      6.0488    |                                                 |
      5.9591    |                                                 |
      5.8694    |                                                 |
      5.7798    |                       E                         |
      5.6901    |                                                 |
      5.6004    |                       *                         |
      5.5108    |                                   *             |
      5.4211    |                                   E             |
      5.3314    |                                                 |
      5.2418    |                                                 |
      5.1521    |                                                 |
      5.0624    |                                               *  |
      4.9727    |                                               E  |
      4.8831    |                                                 |
      4.7934    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.46	3.14

LIGHT PROFILE ANALYSES - FOR10/21/2003

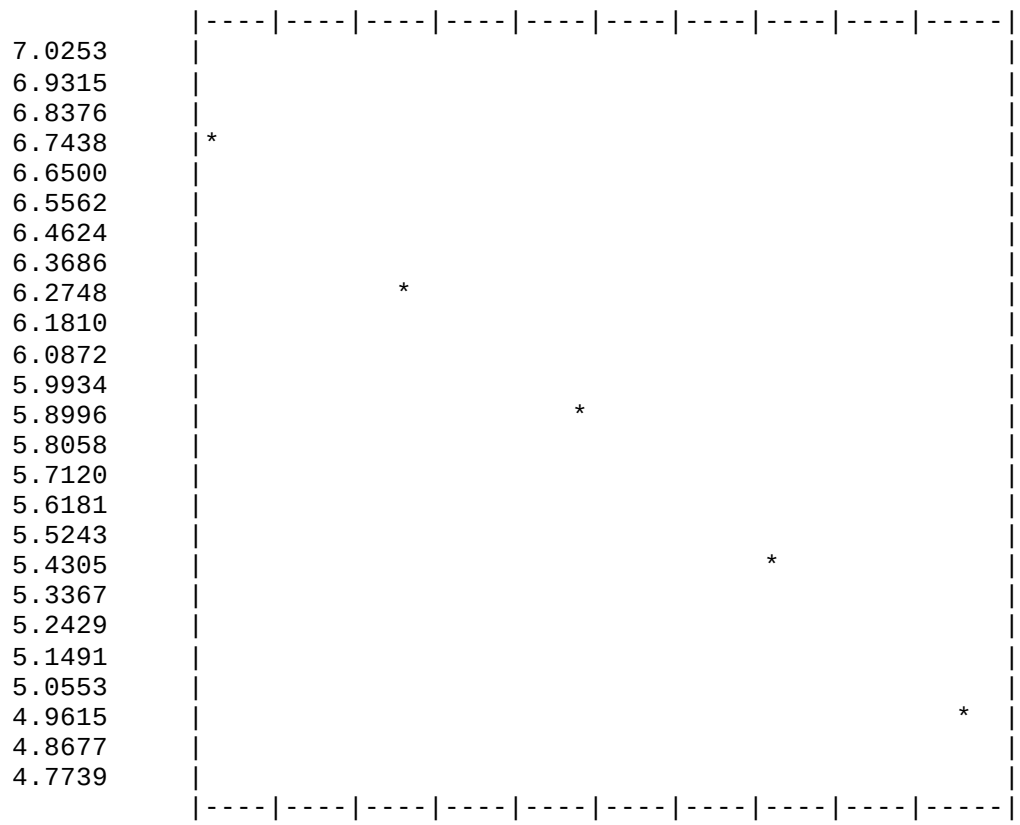
STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.13182	-0.02205	0.99917	0.99834

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	803.	6.68960	6.69073
2	40.	506.	6.22851	6.24964
3	60.	348.	5.85507	5.80855
4	80.	208.	5.34233	5.36747
5	100.	137.	4.92725	4.92638



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.65	2.78

LIGHT PROFILE ANALYSES - FOR10/21/2003

STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.25884	-0.02679	0.99616	0.99234

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	911.	6.81564	6.72314
2	40.	436.	6.07993	6.18744
3	60.	276.	5.62402	5.65174
4	80.	167.	5.12396	5.11603
5	100.	100.	4.61512	4.58033

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.1564    |                                                 |
      7.0442    |                                                 |
      6.9320    |                                                 |
      6.8198    |*                                                |
      6.7076    |                                                 |
      6.5954    |                                                 |
      6.4832    |                                                 |
      6.3710    |                                                 |
      6.2588    |            E                                    |
      6.1466    |            *                                    |
      6.0344    |                                                 |
      5.9222    |                                                 |
      5.8100    |                                                 |
      5.6978    |                       *                         |
      5.5856    |                                                 |
      5.4734    |                                                 |
      5.3612    |                                                 |
      5.2490    |                                                 |
      5.1367    |                                   *             |
      5.0245    |                                                 |
      4.9123    |                                                 |
      4.8001    |                                                 |
      4.6879    |                                              *  |
      4.5757    |                                                 |
      4.4635    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.01	2.29

LIGHT PROFILE ANALYSES - FOR10/21/2003

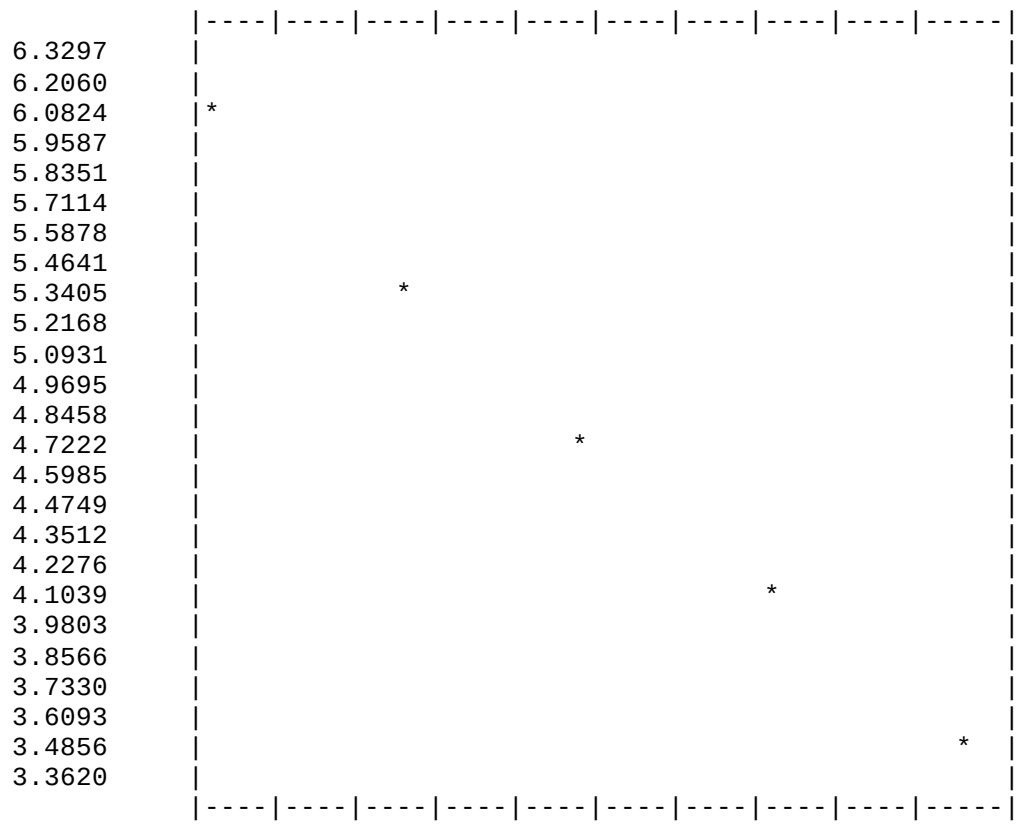
STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.60590	-0.03197	0.99847	0.99695

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	414.	6.02828	5.96647
2	40.	196.	5.28320	5.32705
3	60.	100.	4.61512	4.68762
4	80.	58.	4.07754	4.04820
5	100.	30.	3.43399	3.40878



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.40	1.92

LIGHT PROFILE ANALYSES - FOR10/21/2003

STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.23317	-0.02921	0.99743	0.99487

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	803.	6.68960	6.64896
2	40.	439.	6.08677	6.06475
3	60.	217.	5.38450	5.48054
4	80.	128.	4.85981	4.89633
5	100.	79.	4.38203	4.31212

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0241    |                                                 |
      6.9070    |                                                 |
      6.7899    |*                                                |
      6.6728    |E                                                |
      6.5557    |                                                 |
      6.4386    |                                                 |
      6.3215    |                                                 |
      6.2044    |                                                 |
      6.0873    |            *                                    |
      5.9702    |                                                 |
      5.8531    |                                                 |
      5.7359    |                                                 |
      5.6188    |                                                 |
      5.5017    |                       E                         |
      5.3846    |                       *                         |
      5.2675    |                                                 |
      5.1504    |                                                 |
      5.0333    |                                                 |
      4.9162    |                                   *             |
      4.7991    |                                                 |
      4.6820    |                                                 |
      4.5649    |                                                 |
      4.4478    |                                              *  |
      4.3307    |                                              E  |
      4.2136    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.19	2.10

LIGHT PROFILE ANALYSES - FOR10/21/2003

STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.33679	-0.03174	0.99875	0.99751

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	846.	6.74170	6.70203
2	40.	429.	6.06379	6.06727
3	60.	209.	5.34711	5.43251
4	80.	123.	4.82028	4.79775
5	100.	65.	4.18965	4.16299

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0788    |                                                 |
      6.9538    |                                                 |
      6.8289    |*                                                |
      6.7039    |E                                                |
      6.5790    |                                                 |
      6.4540    |                                                 |
      6.3290    |                                                 |
      6.2041    |                                                 |
      6.0791    |            *                                    |
      5.9542    |                                                 |
      5.8292    |                                                 |
      5.7042    |                                                 |
      5.5793    |                                                 |
      5.4543    |                       *                         |
      5.3294    |                                                 |
      5.2044    |                                                 |
      5.0795    |                                                 |
      4.9545    |                                                 |
      4.8295    |                                   *             |
      4.7046    |                                                 |
      4.5796    |                                                 |
      4.4547    |                                                 |
      4.3297    |                                                 |
      4.2048    |                                             *   |
      4.0798    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.38	1.93

LIGHT PROFILE ANALYSES - FOR10/21/2003

STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.37626	-0.02850	0.99707	0.99415

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	970.	6.87833	6.80630
2	40.	495.	6.20658	6.23635
3	60.	261.	5.56834	5.66639
4	80.	162.	5.09375	5.09644
5	100.	97.	4.58497	4.52648

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.2222    |                                                 |
      7.1054    |                                                 |
      6.9885    |*                                                |
      6.8716    |E                                                |
      6.7547    |                                                 |
      6.6378    |                                                 |
      6.5209    |                                                 |
      6.4041    |                                                 |
      6.2872    |            *                                    |
      6.1703    |                                                 |
      6.0534    |                                                 |
      5.9365    |                                                 |
      5.8196    |                                                 |
      5.7028    |                       E                         |
      5.5859    |                       *                         |
      5.4690    |                                                 |
      5.3521    |                                                 |
      5.2352    |                                                 |
      5.1183    |                                   *             |
      5.0015    |                                                 |
      4.8846    |                                                 |
      4.7677    |                                                 |
      4.6508    |                                              *  |
      4.5339    |                                              E  |
      4.4170    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.14	2.15

LIGHT PROFILE ANALYSES - FOR10/21/2003

STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.68802	-0.01898	0.99678	0.99358

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	206.	5.33272	5.30843
2	40.	139.	4.94164	4.92884
3	60.	90.	4.51086	4.54925
4	80.	60.	4.11087	4.16966
5	100.	46.	3.85015	3.79007

```
                |----|----|----|----|----|----|----|----|----|-----|
      5.5994    |                                                 |
      5.5194    |                                                 |
      5.4395    |                                                 |
      5.3595    |*                                                |
      5.2795    |                                                 |
      5.1996    |                                                 |
      5.1196    |                                                 |
      5.0397    |                                                 |
      4.9597    |            *                                    |
      4.8798    |                                                 |
      4.7998    |                                                 |
      4.7199    |                                                 |
      4.6399    |                                                 |
      4.5600    |                       *                         |
      4.4800    |                                                 |
      4.4001    |                                                 |
      4.3201    |                                                 |
      4.2402    |                                E                |
      4.1602    |                                *                |
      4.0803    |                                                 |
      4.0003    |                                                 |
      3.9204    |                                              *  |
      3.8404    |                                              E  |
      3.7605    |                                                 |
      3.6805    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.42	3.24

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.68931	-0.01166	0.97109	0.94301

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	604.	6.40523	6.45603
2	40.	488.	6.19236	6.22274
3	60.	443.	6.09582	5.98945
4	80.	342.	5.83773	5.75616
5	100.	224.	5.41610	5.52287

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.7788    |                                                 |
      6.7135    |                                                 |
      6.6481    |                                                 |
      6.5828    |                                                 |
      6.5175    |E                                                |
      6.4521    |*                                                |
      6.3868    |                                                 |
      6.3214    |                                                 |
      6.2561    |            *                                    |
      6.1908    |                                                 |
      6.1254    |                       *                         |
      6.0601    |                                                 |
      5.9947    |                       E                         |
      5.9294    |                                                 |
      5.8640    |                                   *             |
      5.7987    |                                   E             |
      5.7334    |                                                 |
      5.6680    |                                                 |
      5.6027    |                                                 |
      5.5373    |                                             E   |
      5.4720    |                                             *   |
      5.4067    |                                                 |
      5.3413    |                                                 |
      5.2760    |                                                 |
      5.2106    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
0.87	5.26

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.97060	-0.02768	0.99504	0.99011

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	586.	6.37502	6.41697
2	40.	341.	5.83481	5.86333
3	60.	217.	5.38450	5.30970
4	80.	128.	4.85981	4.75606
5	100.	59.	4.09434	4.20243

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.7378    |                                                 |
      6.6239    |                                                 |
      6.5100    |E                                                |
      6.3960    |*                                                |
      6.2821    |                                                 |
      6.1682    |                                                 |
      6.0543    |                                                 |
      5.9403    |            *                                    |
      5.8264    |                                                 |
      5.7125    |                                                 |
      5.5985    |                                                 |
      5.4846    |                       *                         |
      5.3707    |                       E                         |
      5.2568    |                                                 |
      5.1428    |                                                 |
      5.0289    |                                                 |
      4.9150    |                                  *              |
      4.8011    |                                  E              |
      4.6871    |                                                 |
      4.5732    |                                                 |
      4.4593    |                                                 |
      4.3453    |                                                 |
      4.2314    |                                              E  |
      4.1175    |                                              *  |
      4.0036    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.08	2.22

LIGHT PROFILE ANALYSES - FOR11/20/2003

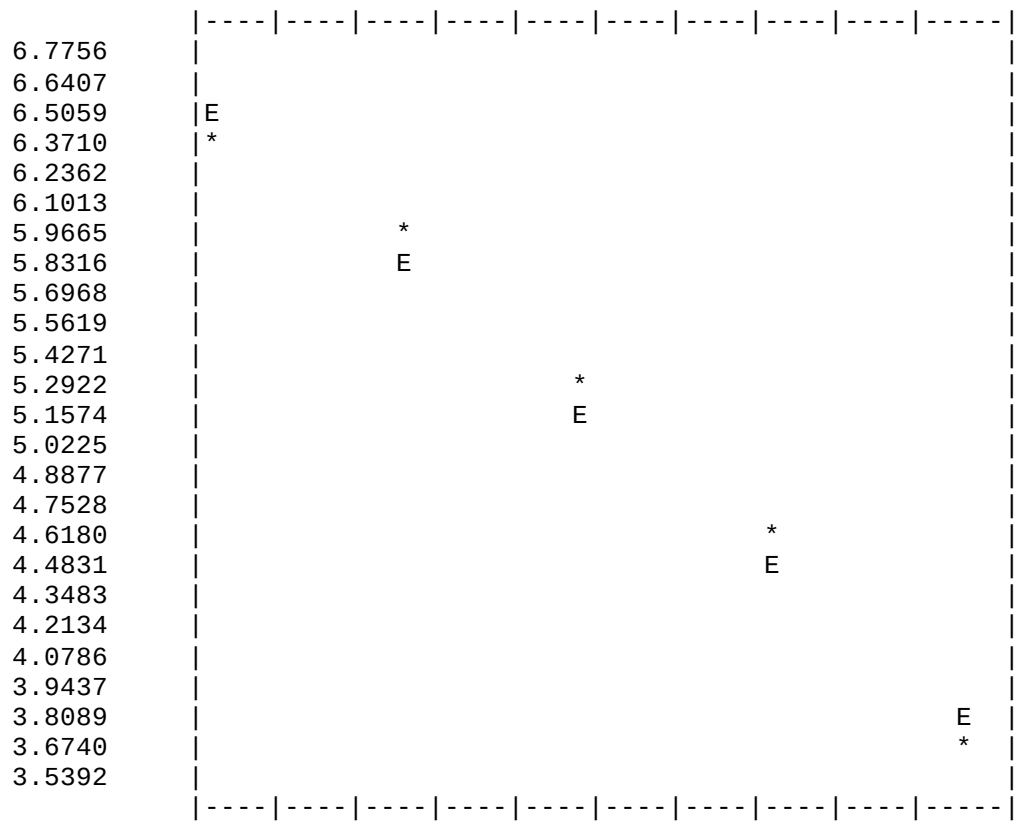
STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.13181	-0.03395	0.99237	0.98479

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	553.	6.31716	6.45291
2	40.	344.	5.84354	5.77400
3	60.	182.	5.20949	5.09510
4	80.	91.	4.52179	4.41620
5	100.	35.	3.58352	3.73729



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.55	1.81

LIGHT PROFILE ANALYSES - FOR11/20/2003

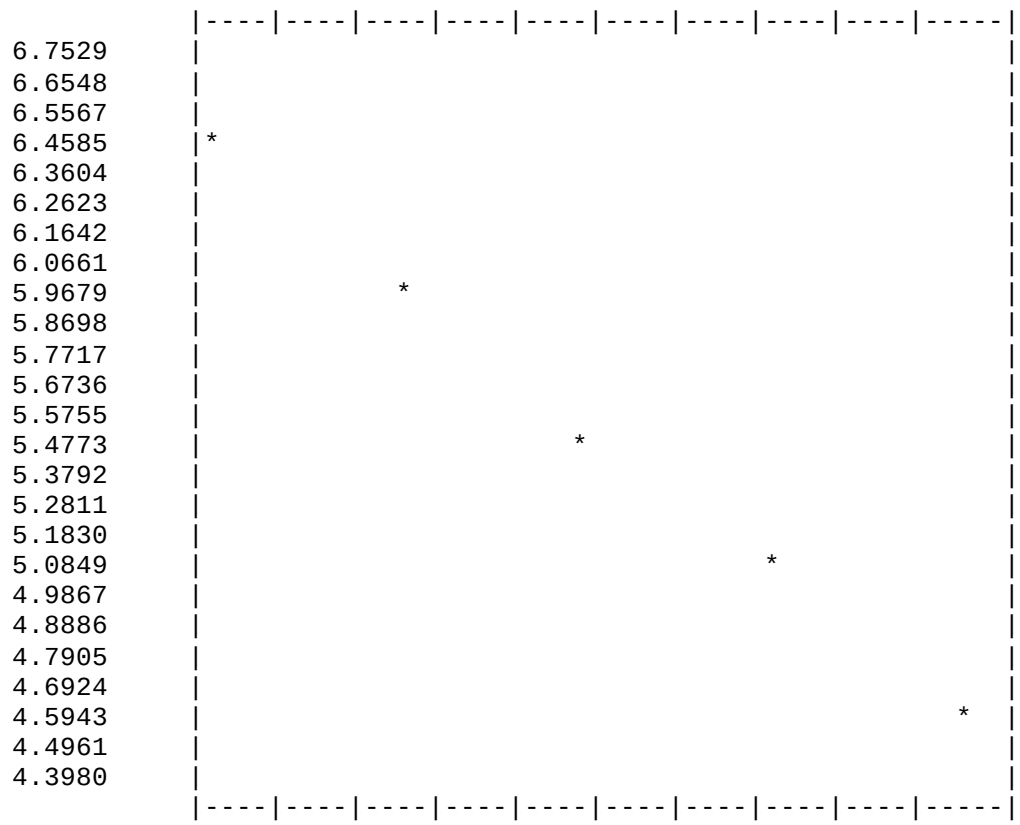
STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.88309	-0.02357	0.99963	0.99926

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	620.	6.43133	6.41171
2	40.	377.	5.93489	5.94034
3	60.	229.	5.43808	5.46896
4	80.	147.	4.99721	4.99759
5	100.	93.	4.54329	4.52621



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.77	2.61

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.99439	-0.02667	0.99554	0.99109

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	700.	6.55251	6.46099
2	40.	345.	5.84644	5.92759
3	60.	212.	5.36129	5.39420
4	80.	121.	4.80402	4.86080
5	100.	81.	4.40672	4.32740

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8801    |                                                 |
      6.7694    |                                                 |
      6.6586    |*                                                |
      6.5478    |E                                                |
      6.4371    |                                                 |
      6.3263    |                                                 |
      6.2155    |                                                 |
      6.1048    |                                                 |
      5.9940    |            E                                    |
      5.8833    |            *                                    |
      5.7725    |                                                 |
      5.6617    |                                                 |
      5.5510    |                                                 |
      5.4402    |                       *                         |
      5.3294    |                                                 |
      5.2187    |                                                 |
      5.1079    |                                                 |
      4.9971    |                                                 |
      4.8864    |                                   *             |
      4.7756    |                                                 |
      4.6649    |                                                 |
      4.5541    |                                                 |
      4.4433    |                                              *  |
      4.3326    |                                              E  |
      4.2218    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.00	2.30

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.15479	-0.02470	0.99800	0.99600

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	756.	6.62936	6.66079
2	40.	471.	6.15698	6.16678
3	60.	306.	5.72685	5.67278
4	80.	185.	5.22575	5.17878
5	100.	101.	4.62497	4.68478

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9938    |                                                 |
      6.8898    |                                                 |
      6.7858    |                                                 |
      6.6818    |*                                                |
      6.5778    |                                                 |
      6.4738    |                                                 |
      6.3698    |                                                 |
      6.2658    |            E                                    |
      6.1618    |            *                                    |
      6.0578    |                                                 |
      5.9538    |                                                 |
      5.8498    |                                                 |
      5.7458    |                       *                         |
      5.6418    |                                                 |
      5.5378    |                                                 |
      5.4338    |                                                 |
      5.3298    |                                                 |
      5.2258    |                                  *              |
      5.1218    |                                                 |
      5.0178    |                                                 |
      4.9137    |                                                 |
      4.8097    |                                                 |
      4.7057    |                                              *  |
      4.6017    |                                                 |
      4.4977    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.85	2.49

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.04037	-0.02196	0.99904	0.99809

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	737.	6.60394	6.60115
2	40.	488.	6.19236	6.16194
3	60.	291.	5.67675	5.72272
4	80.	194.	5.27300	5.28350
5	100.	129.	4.86753	4.84428

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9341    |                                                 |
      6.8409    |                                                 |
      6.7476    |                                                 |
      6.6543    |*                                                |
      6.5610    |                                                 |
      6.4677    |                                                 |
      6.3744    |                                                 |
      6.2812    |            *                                    |
      6.1879    |            E                                    |
      6.0946    |                                                 |
      6.0013    |                                                 |
      5.9080    |                                                 |
      5.8147    |                       E                         |
      5.7215    |                       *                         |
      5.6282    |                                                 |
      5.5349    |                                                 |
      5.4416    |                                                 |
      5.3483    |                                   *             |
      5.2551    |                                                 |
      5.1618    |                                                 |
      5.0685    |                                                 |
      4.9752    |                                                 |
      4.8819    |                                              *  |
      4.7886    |                                                 |
      4.6954    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.65	2.80

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.14823	-0.02881	0.99967	0.99934

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	695.	6.54535	6.57201
2	40.	416.	6.03309	5.99580
3	60.	225.	5.42054	5.41959
4	80.	125.	4.83628	4.84337
5	100.	70.	4.26268	4.26716

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9006    |                                                 |
      6.7866    |                                                 |
      6.6725    |E                                                |
      6.5585    |*                                                |
      6.4444    |                                                 |
      6.3304    |                                                 |
      6.2164    |                                                 |
      6.1023    |            *                                    |
      5.9883    |                                                 |
      5.8742    |                                                 |
      5.7602    |                                                 |
      5.6461    |                                                 |
      5.5321    |                       *                         |
      5.4181    |                                                 |
      5.3040    |                                                 |
      5.1900    |                                                 |
      5.0759    |                                                 |
      4.9619    |                                                 |
      4.8478    |                                   *             |
      4.7338    |                                                 |
      4.6198    |                                                 |
      4.5057    |                                                 |
      4.3917    |                                                 |
      4.2776    |                                             *   |
      4.1636    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.16	2.13

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.21224	-0.03185	0.99497	0.98997

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	669.	6.50728	6.57519
2	40.	370.	5.91620	5.93814
3	60.	228.	5.43372	5.30108
4	80.	113.	4.73620	4.66403
5	100.	49.	3.91202	4.02698

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9039    |                                                 |
      6.7764    |                                                 |
      6.6489    |E                                                |
      6.5214    |*                                                |
      6.3939    |                                                 |
      6.2664    |                                                 |
      6.1389    |                                                 |
      6.0114    |            *                                    |
      5.8839    |                                                 |
      5.7564    |                                                 |
      5.6289    |                                                 |
      5.5014    |                       *                         |
      5.3739    |                       E                         |
      5.2464    |                                                 |
      5.1189    |                                                 |
      4.9914    |                                                 |
      4.8639    |                                                 |
      4.7364    |                                  *              |
      4.6089    |                                                 |
      4.4814    |                                                 |
      4.3539    |                                                 |
      4.2264    |                                                 |
      4.0989    |                                              E  |
      3.9714    |                                              *  |
      3.8439    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.39	1.93

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.82936	-0.02597	0.98164	0.96361

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	454.	6.12030	6.30989
2	40.	381.	5.94542	5.79043
3	60.	215.	5.37528	5.27096
4	80.	125.	4.83628	4.75150
5	100.	58.	4.07754	4.23203

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6254    |                                                 |
      6.5153    |                                                 |
      6.4053    |E                                                |
      6.2952    |                                                 |
      6.1851    |*                                                |
      6.0750    |                                                 |
      5.9650    |            *                                    |
      5.8549    |            E                                    |
      5.7448    |                                                 |
      5.6348    |                                                 |
      5.5247    |                                                 |
      5.4146    |                       *                         |
      5.3046    |                       E                         |
      5.1945    |                                                 |
      5.0844    |                                                 |
      4.9743    |                                                 |
      4.8643    |                                   *             |
      4.7542    |                                   E             |
      4.6441    |                                                 |
      4.5341    |                                                 |
      4.4240    |                                                 |
      4.3139    |                                              E  |
      4.2039    |                                                 |
      4.0938    |                                              *  |
      3.9837    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.95	2.36

LIGHT PROFILE ANALYSES - FOR11/20/2003

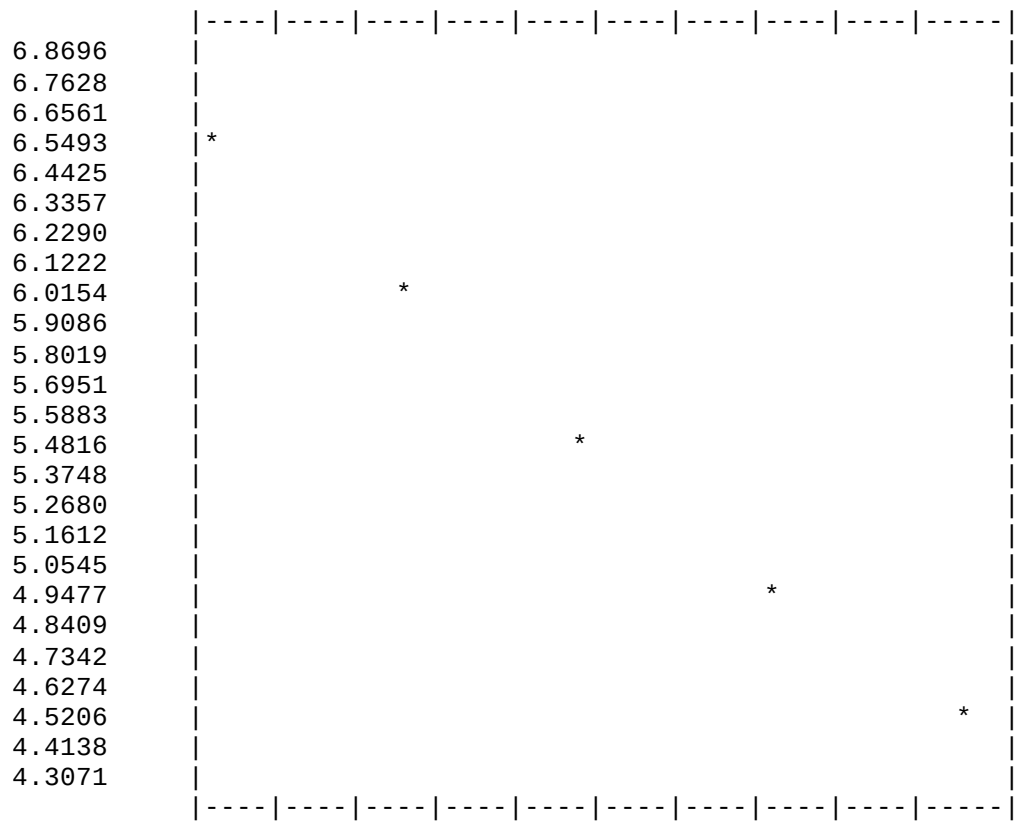
STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.03443	-0.02613	0.99766	0.99532

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	693.	6.54247	6.51182
2	40.	406.	6.00881	5.98920
3	60.	221.	5.40268	5.46659
4	80.	132.	4.89035	4.94398
5	100.	88.	4.48864	4.42136



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.96	2.35

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.09257	-0.02601	0.99238	0.98481

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	642.	6.46614	6.57234
2	40.	492.	6.20051	6.05211
3	60.	242.	5.49306	5.53189
4	80.	158.	5.06890	5.01166
5	100.	83.	4.43082	4.49144

```
                 |----|----|----|----|----|----|----|----|----|-----|
      6.9010     |                                                 |
      6.7933     |                                                 |
      6.6856     |                                                 |
      6.5780     |E                                                |
      6.4703     |*                                                |
      6.3626     |                                                 |
      6.2550     |            *                                    |
      6.1473     |            E                                    |
      6.0396     |                                                 |
      5.9320     |                                                 |
      5.8243     |                                                 |
      5.7166     |                                                 |
      5.6089     |                       E                         |
      5.5013     |                       *                         |
      5.3936     |                                                 |
      5.2859     |                                                 |
      5.1783     |                                                 |
      5.0706     |                                   *             |
      4.9629     |                                                 |
      4.8553     |                                                 |
      4.7476     |                                                 |
      4.6399     |                                                 |
      4.5323     |                                              *  |
      4.4246     |                                                 |
      4.3169     |                                                 |
                 |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.95	2.36

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.15048	-0.02518	0.99906	0.99813

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	780.	6.66057	6.64678
2	40.	442.	6.09357	6.14308
3	60.	292.	5.68017	5.63939
4	80.	171.	5.14749	5.13569
5	100.	100.	4.61512	4.63199

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.9936    |                                                 |
      6.8892    |                                                 |
      6.7849    |                                                 |
      6.6805    |*                                                |
      6.5761    |                                                 |
      6.4718    |                                                 |
      6.3674    |                                                 |
      6.2630    |                                                 |
      6.1586    |            *                                    |
      6.0543    |                                                 |
      5.9499    |                                                 |
      5.8455    |                                                 |
      5.7412    |                       *                         |
      5.6368    |                                                 |
      5.5324    |                                                 |
      5.4281    |                                                 |
      5.3237    |                                                 |
      5.2193    |                                 *               |
      5.1150    |                                                 |
      5.0106    |                                                 |
      4.9062    |                                                 |
      4.8018    |                                                 |
      4.6975    |                                                *|
      4.5931    |                                                 |
      4.4887    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.89	2.44

LIGHT PROFILE ANALYSES - FOR11/20/2003

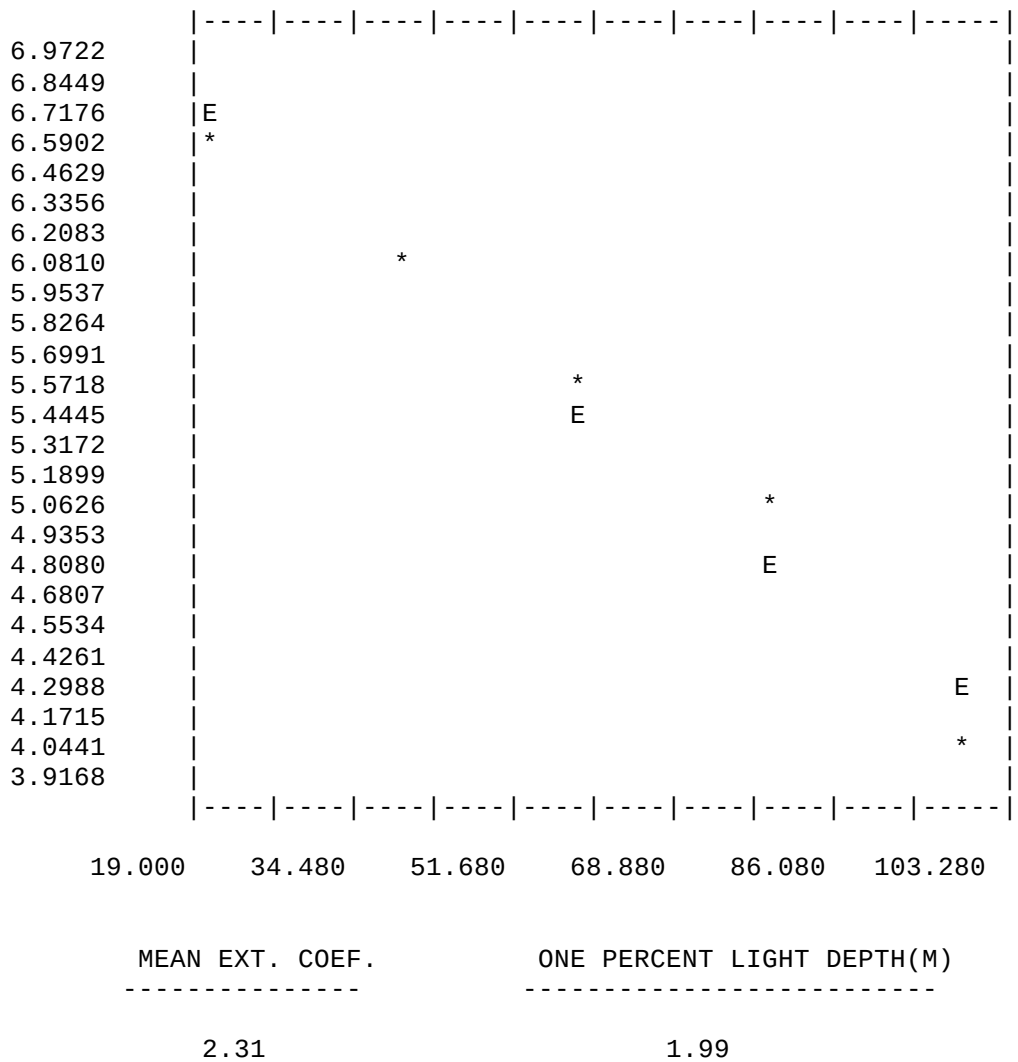
STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.25590	-0.03079	0.98851	0.97715

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	695.	6.54535	6.64016
2	40.	414.	6.02828	6.02442
3	60.	243.	5.49717	5.40868
4	80.	145.	4.98361	4.79294
5	100.	53.	3.98898	4.17720



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.31	1.99

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.01931	-0.02579	0.99719	0.99439

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	682.	6.52649	6.50347
2	40.	390.	5.96871	5.98763
3	60.	222.	5.40717	5.47179
4	80.	155.	5.04986	4.95595
5	100.	81.	4.40672	4.44011

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8528    |                                                 |
      6.7462    |                                                 |
      6.6395    |                                                 |
      6.5328    |*                                                |
      6.4262    |                                                 |
      6.3195    |                                                 |
      6.2129    |                                                 |
      6.1062    |                                                 |
      5.9996    |            *                                    |
      5.8929    |                                                 |
      5.7862    |                                                 |
      5.6796    |                                                 |
      5.5729    |                       E                         |
      5.4663    |                       *                         |
      5.3596    |                                                 |
      5.2530    |                                                 |
      5.1463    |                                   *             |
      5.0396    |                                   E             |
      4.9330    |                                                 |
      4.8263    |                                                 |
      4.7197    |                                                 |
      4.6130    |                                                 |
      4.5064    |                                              *  |
      4.3997    |                                                 |
      4.2930    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.93	2.38

LIGHT PROFILE ANALYSES - FOR11/20/2003

STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.88161	-0.02238	0.99969	0.99939

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	627.	6.44254	6.43391
2	40.	400.	5.99396	5.98621
3	60.	248.	5.51745	5.53851
4	80.	159.	5.07517	5.09081
5	100.	105.	4.66344	4.64311

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.7647    |                                                 |
      6.6705    |                                                 |
      6.5764    |                                                 |
      6.4822    |*                                                |
      6.3881    |                                                 |
      6.2939    |                                                 |
      6.1998    |                                                 |
      6.1056    |                                                 |
      6.0115    |            *                                    |
      5.9173    |                                                 |
      5.8232    |                                                 |
      5.7290    |                                                 |
      5.6349    |                                                 |
      5.5407    |                       *                         |
      5.4466    |                                                 |
      5.3524    |                                                 |
      5.2583    |                                                 |
      5.1641    |                                   *             |
      5.0700    |                                                 |
      4.9759    |                                                 |
      4.8817    |                                                 |
      4.7876    |                                                 |
      4.6934    |                                                *|
      4.5993    |                                                 |
      4.5051    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.68	2.74

LIGHT PROFILE ANALYSES - FOR12/18/2003

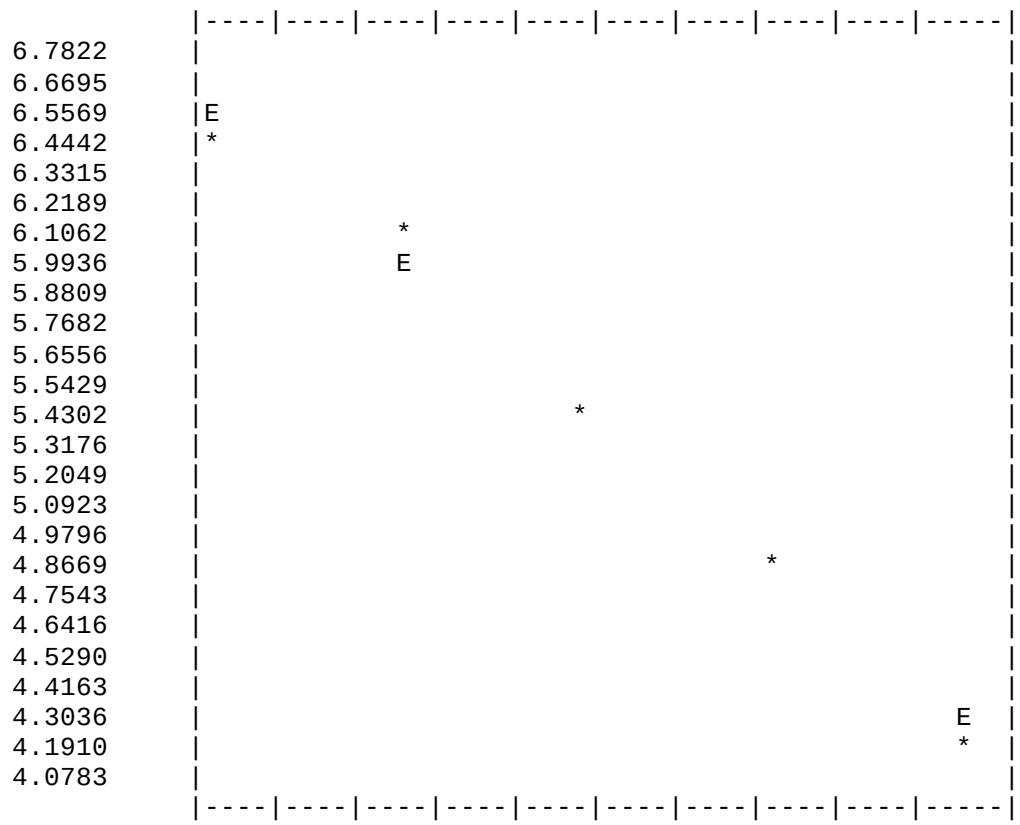
STATION LOCATION 9

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.01143	-0.02761	0.99312	0.98629

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	563.	6.33505	6.45921
2	40.	421.	6.04501	5.90700
3	60.	215.	5.37528	5.35478
4	80.	126.	4.84419	4.80257
5	100.	64.	4.17439	4.25035



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.07	2.22

LIGHT PROFILE ANALYSES - FOR12/18/2003

STATION LOCATION 10

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.13655	-0.02283	0.98585	0.97191

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	709.	6.56527	6.68000
2	40.	518.	6.25190	6.22344
3	60.	371.	5.91889	5.76689
4	80.	216.	5.37990	5.31034
5	100.	111.	4.71850	4.85378

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0140    |                                                 |
      6.9127    |                                                 |
      6.8115    |                                                 |
      6.7102    |E                                                |
      6.6090    |*                                                |
      6.5077    |                                                 |
      6.4065    |                                                 |
      6.3052    |            *                                    |
      6.2039    |                                                 |
      6.1027    |                                                 |
      6.0014    |                       *                         |
      5.9002    |                                                 |
      5.7989    |                       E                         |
      5.6977    |                                                 |
      5.5964    |                                                 |
      5.4951    |                                                 |
      5.3939    |                                   *             |
      5.2926    |                                                 |
      5.1914    |                                                 |
      5.0901    |                                                 |
      4.9889    |                                                 |
      4.8876    |                                              E  |
      4.7863    |                                              *  |
      4.6851    |                                                 |
      4.5838    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.71	2.69

LIGHT PROFILE ANALYSES - FOR12/18/2003

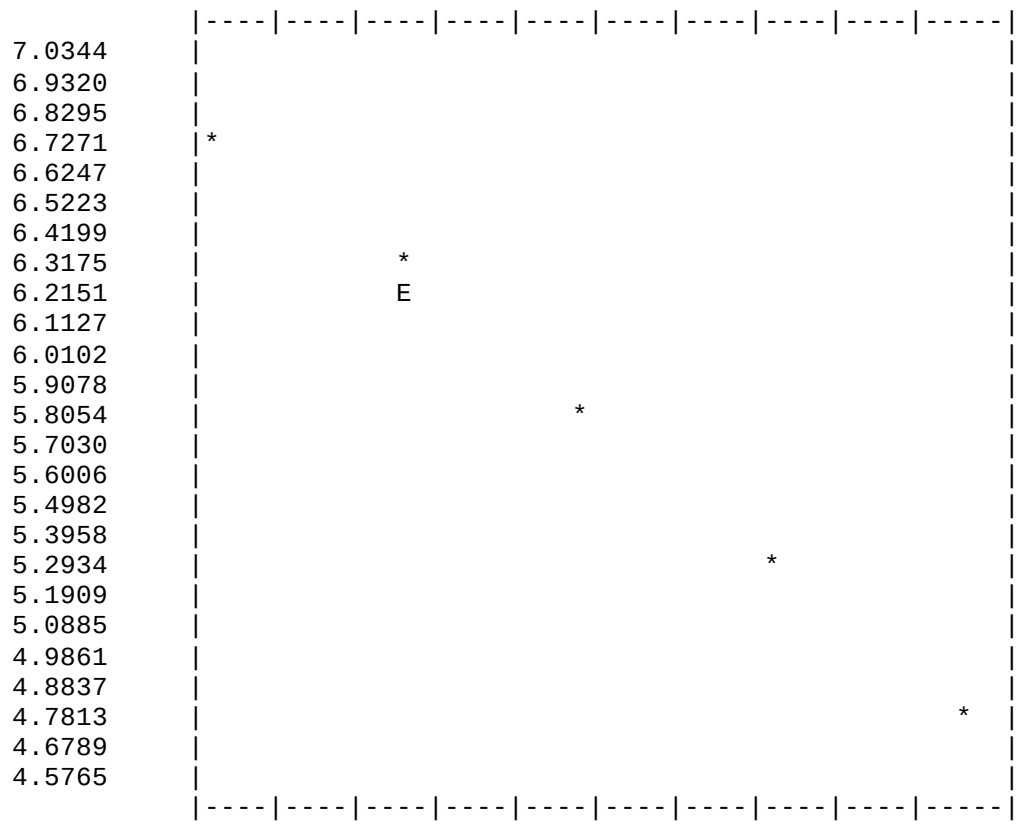
STATION LOCATION 21

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.18531	-0.02430	0.99681	0.99362

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	753.	6.62539	6.69939
2	40.	541.	6.29527	6.21348
3	60.	310.	5.73979	5.72757
4	80.	193.	5.26786	5.24165
5	100.	110.	4.70953	4.75574



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.82	2.53

LIGHT PROFILE ANALYSES - FOR12/18/2003

STATION LOCATION 11

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.11863	-0.02140	0.99954	0.99908

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	786.	6.66823	6.69063
2	40.	538.	6.28972	6.26264
3	60.	340.	5.83188	5.83464
4	80.	225.	5.42054	5.40665
5	100.	142.	4.96284	4.97865

```
                |----|----|----|----|----|----|----|----|----|-----|
      7.0252    |                                                 |
      6.9327    |                                                 |
      6.8403    |                                                 |
      6.7479    |*                                                |
      6.6555    |                                                 |
      6.5631    |                                                 |
      6.4707    |                                                 |
      6.3782    |            *                                    |
      6.2858    |            E                                    |
      6.1934    |                                                 |
      6.1010    |                                                 |
      6.0086    |                                                 |
      5.9161    |                       *                         |
      5.8237    |                                                 |
      5.7313    |                                                 |
      5.6389    |                                                 |
      5.5465    |                                                 |
      5.4541    |                                  *              |
      5.3616    |                                                 |
      5.2692    |                                                 |
      5.1768    |                                                 |
      5.0844    |                                                 |
      4.9920    |                                                *|
      4.8995    |                                                 |
      4.8071    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.60	2.87

LIGHT PROFILE ANALYSES - FOR12/18/2003

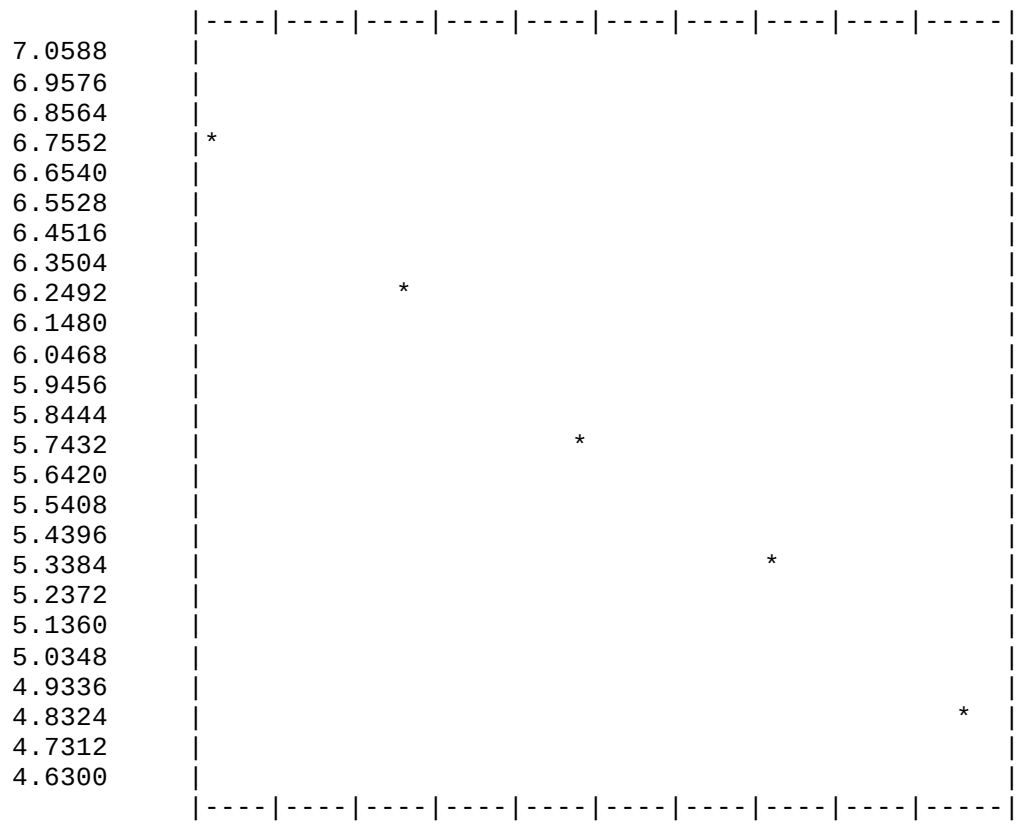
STATION LOCATION 92

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.18437	-0.02417	0.99964	0.99927

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	830.	6.72263	6.70092
2	40.	491.	6.19848	6.21747
3	60.	301.	5.71043	5.73402
4	80.	193.	5.26786	5.25056
5	100.	117.	4.77068	4.76711



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.81	2.54

LIGHT PROFILE ANALYSES - FOR12/18/2003

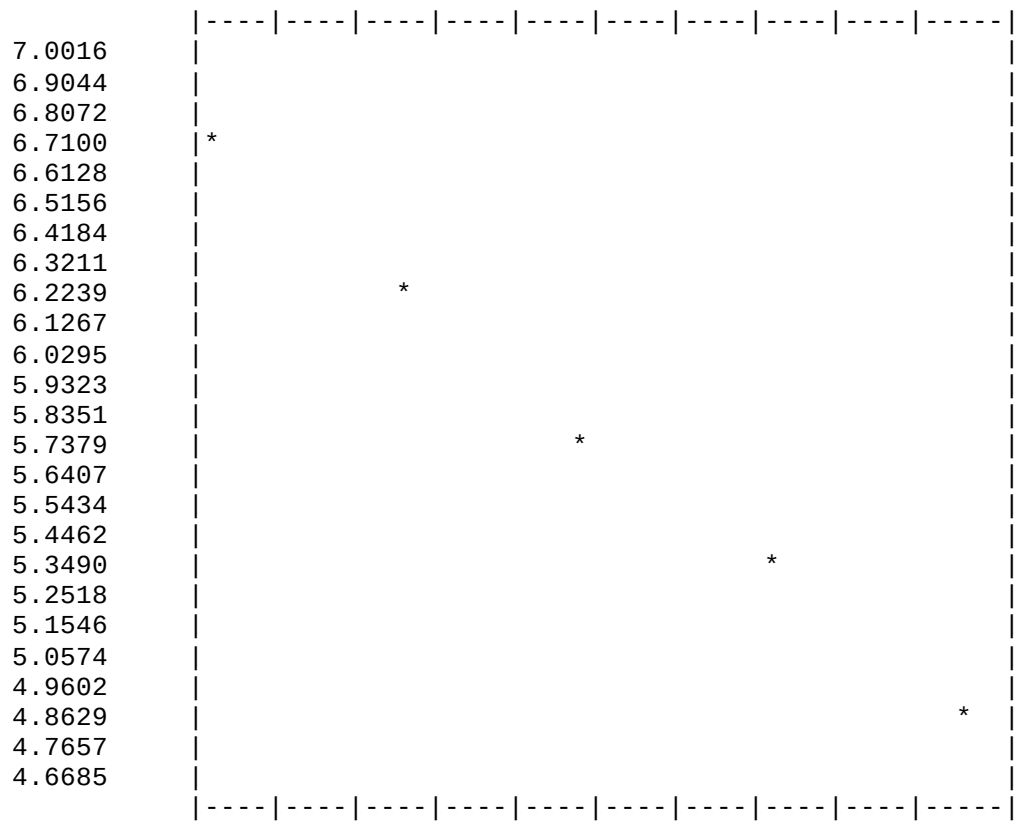
STATION LOCATION 22

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.09945	-0.02288	0.99831	0.99662

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	786.	6.66823	6.64194
2	40.	489.	6.19441	6.18443
3	60.	284.	5.65249	5.72692
4	80.	196.	5.28320	5.26941
5	100.	125.	4.83628	4.81190



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.72	2.68

LIGHT PROFILE ANALYSES - FOR12/18/2003

STATION LOCATION 12

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.06651	-0.02560	0.99571	0.99144

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	680.	6.52356	6.55455
2	40.	404.	6.00389	6.04259
3	60.	273.	5.61313	5.53063
4	80.	162.	5.09375	5.01868
5	100.	82.	4.41884	4.50672

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8823    |                                                 |
      6.7749    |                                                 |
      6.6675    |                                                 |
      6.5602    |*                                                |
      6.4528    |                                                 |
      6.3454    |                                                 |
      6.2380    |                                                 |
      6.1307    |            E                                    |
      6.0233    |            *                                    |
      5.9159    |                                                 |
      5.8085    |                                                 |
      5.7011    |                       *                         |
      5.5938    |                       E                         |
      5.4864    |                                                 |
      5.3790    |                                                 |
      5.2716    |                                                 |
      5.1643    |                                   *             |
      5.0569    |                                   E             |
      4.9495    |                                                 |
      4.8421    |                                                 |
      4.7348    |                                                 |
      4.6274    |                                                 |
      4.5200    |                                             *   |
      4.4126    |                                                 |
      4.3053    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.92	2.40

LIGHT PROFILE ANALYSES - FOR12/18/2003

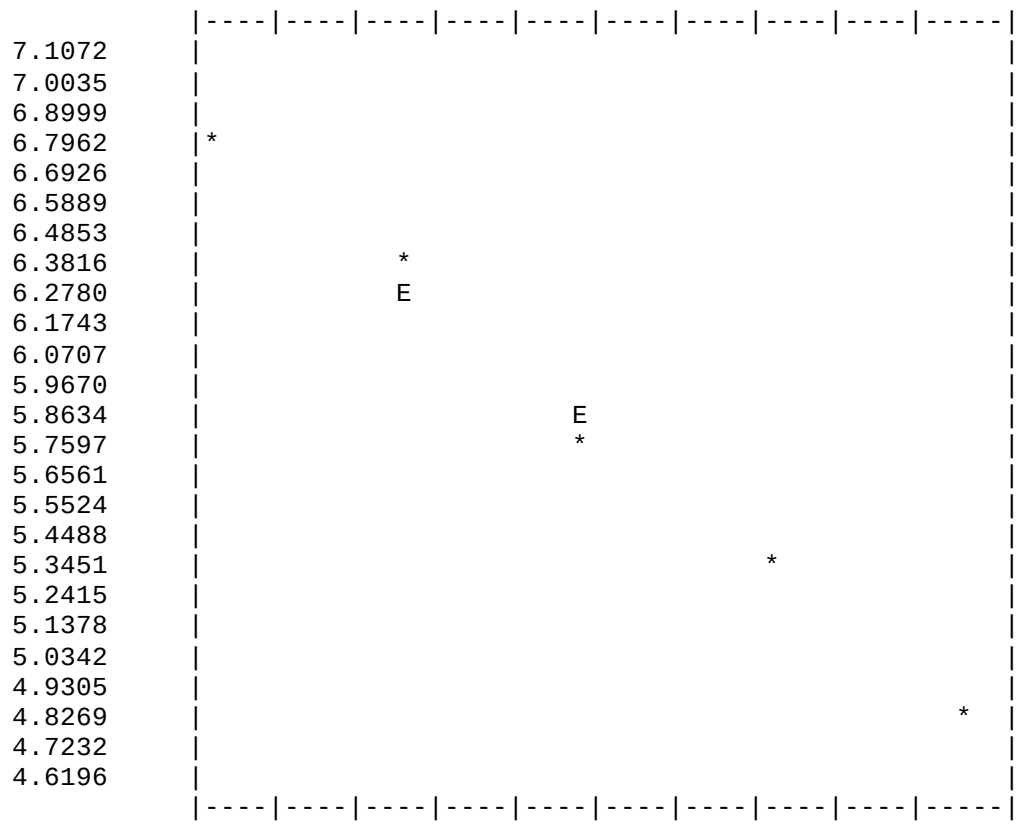
STATION LOCATION 23

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.26810	-0.02497	0.99973	0.99946

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	862.	6.76041	6.76872
2	40.	532.	6.27852	6.26933
3	60.	316.	5.75890	5.76995
4	80.	199.	5.29832	5.27056
5	100.	115.	4.75359	4.77118



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.87	2.46

LIGHT PROFILE ANALYSES - FOR12/18/2003

STATION LOCATION 13

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.07987	-0.02799	0.99891	0.99783

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	658.	6.49072	6.51997
2	40.	384.	5.95324	5.96008
3	60.	233.	5.45532	5.40019
4	80.	129.	4.86753	4.84029
5	100.	68.	4.23411	4.28040

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.8460    |                                                 |
      6.7330    |                                                 |
      6.6201    |E                                                |
      6.5071    |*                                                |
      6.3942    |                                                 |
      6.2813    |                                                 |
      6.1683    |                                                 |
      6.0554    |            *                                    |
      5.9424    |                                                 |
      5.8295    |                                                 |
      5.7165    |                                                 |
      5.6036    |                                                 |
      5.4907    |                       *                         |
      5.3777    |                                                 |
      5.2648    |                                                 |
      5.1518    |                                                 |
      5.0389    |                                                 |
      4.9259    |                                   *             |
      4.8130    |                                                 |
      4.7001    |                                                 |
      4.5871    |                                                 |
      4.4742    |                                                 |
      4.3612    |                                             E   |
      4.2483    |                                             *   |
      4.1353    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.10	2.19

LIGHT PROFILE ANALYSES - FOR12/18/2003

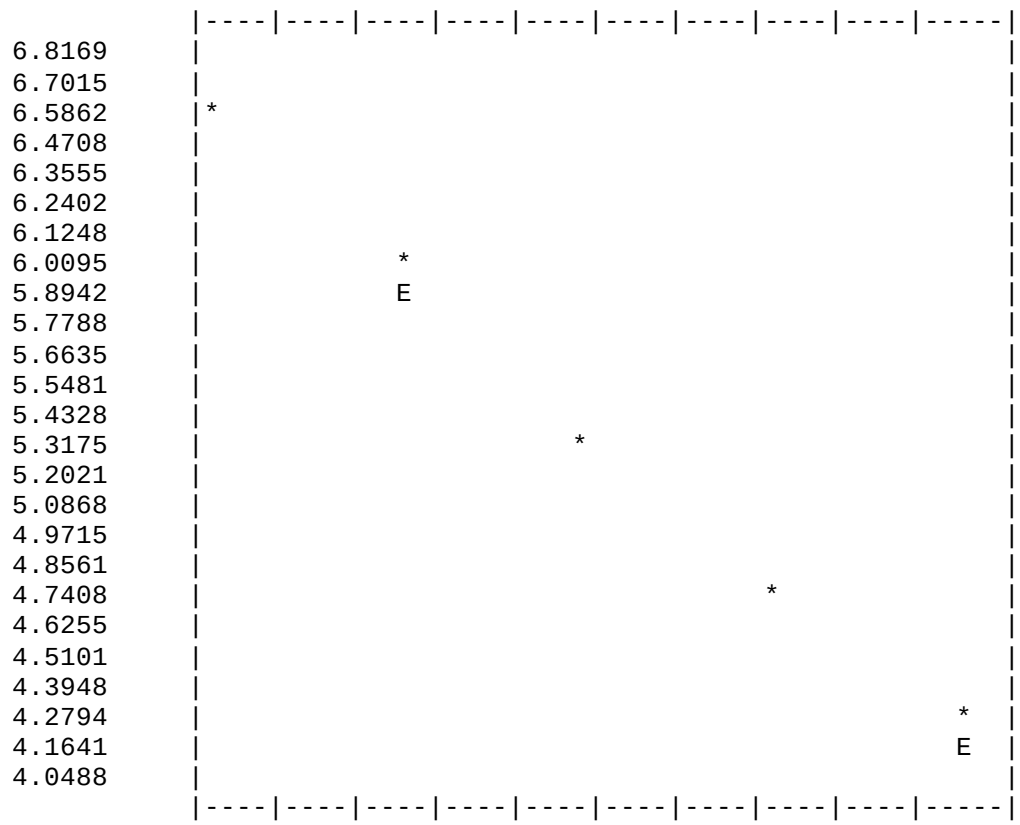
STATION LOCATION 24

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.05622	-0.02916	0.99927	0.99855

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	659.	6.49224	6.47307
2	40.	366.	5.90536	5.88991
3	60.	190.	5.25227	5.30676
4	80.	110.	4.70953	4.72361
5	100.	64.	4.17439	4.14045



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.19	2.11

LIGHT PROFILE ANALYSES - FOR12/18/2003

STATION LOCATION 14

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.05038	-0.02840	0.99596	0.99193

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	652.	6.48158	6.48242
2	40.	358.	5.88332	5.91447
3	60.	205.	5.32788	5.34651
4	80.	135.	4.91265	4.77856
5	100.	61.	4.12713	4.21060

```
                 |----|----|----|----|----|----|----|----|----|-----|
      6.8065     |                                                 |
      6.6911     |                                                 |
      6.5757     |*                                                |
      6.4603     |                                                 |
      6.3448     |                                                 |
      6.2294     |                                                 |
      6.1140     |                                                 |
      5.9985     |            *                                    |
      5.8831     |                                                 |
      5.7677     |                                                 |
      5.6522     |                                                 |
      5.5368     |                                                 |
      5.4214     |                       *                         |
      5.3059     |                                                 |
      5.1905     |                                                 |
      5.0751     |                                                 |
      4.9597     |                                  *              |
      4.8442     |                                  E              |
      4.7288     |                                                 |
      4.6134     |                                                 |
      4.4979     |                                                 |
      4.3825     |                                                 |
      4.2671     |                                              E  |
      4.1516     |                                              *  |
      4.0362     |                                                 |
                 |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.13	2.16

LIGHT PROFILE ANALYSES - FOR12/18/2003

STATION LOCATION 25

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.99547	-0.03160	0.99747	0.99495

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	578.	6.36130	6.36357
2	40.	299.	5.70378	5.73167
3	60.	161.	5.08760	5.09977
4	80.	97.	4.58497	4.46787
5	100.	42.	3.76120	3.83597

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6818    |                                                 |
      6.5574    |                                                 |
      6.4331    |*                                                |
      6.3087    |                                                 |
      6.1844    |                                                 |
      6.0600    |                                                 |
      5.9357    |                                                 |
      5.8113    |            *                                    |
      5.6870    |                                                 |
      5.5627    |                                                 |
      5.4383    |                                                 |
      5.3140    |                                                 |
      5.1896    |                       *                         |
      5.0653    |                                                 |
      4.9409    |                                                 |
      4.8166    |                                                 |
      4.6922    |                                   *             |
      4.5679    |                                   E             |
      4.4436    |                                                 |
      4.3192    |                                                 |
      4.1949    |                                                 |
      4.0705    |                                                 |
      3.9462    |                                             E   |
      3.8218    |                                             *   |
      3.6975    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.37	1.94

LIGHT PROFILE ANALYSES - FOR12/18/2003

STATION LOCATION 15

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.98087	-0.03857	0.99617	0.99235

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	449.	6.10925	6.20942
2	40.	238.	5.47646	5.43797
3	60.	116.	4.76217	4.66652
4	80.	53.	3.98898	3.89507
5	100.	19.	2.99573	3.12362

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.5199    |                                                 |
      6.3729    |                                                 |
      6.2260    |*                                                |
      6.0790    |                                                 |
      5.9321    |                                                 |
      5.7851    |                                                 |
      5.6381    |                                                 |
      5.4912    |            *                                    |
      5.3442    |                                                 |
      5.1973    |                                                 |
      5.0503    |                                                 |
      4.9034    |                       *                         |
      4.7564    |                       E                         |
      4.6094    |                                                 |
      4.4625    |                                                 |
      4.3155    |                                                 |
      4.1686    |                                                 |
      4.0216    |                                   *             |
      3.8747    |                                                 |
      3.7277    |                                                 |
      3.5807    |                                                 |
      3.4338    |                                                 |
      3.2868    |                                                 |
      3.1399    |                                             *   |
      2.9929    |                                                 |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.89	1.59

LIGHT PROFILE ANALYSES - FOR12/18/2003

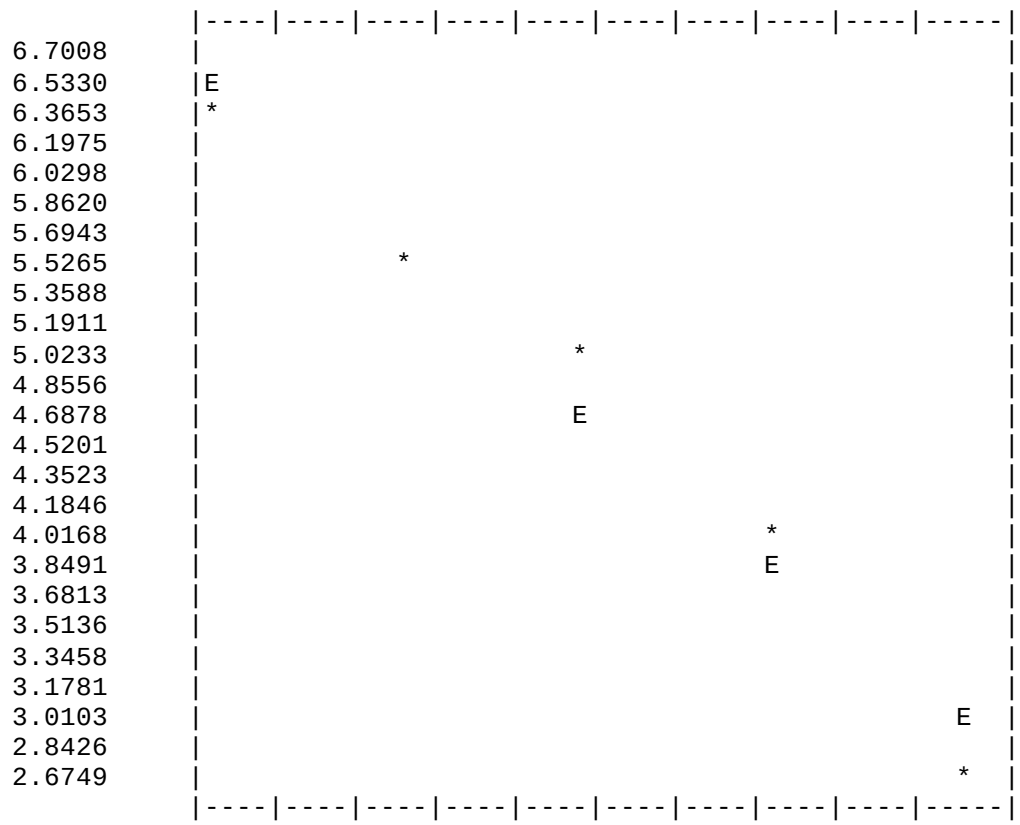
STATION LOCATION 17

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.25531	-0.04368	0.98690	0.97397

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	495.	6.20658	6.38169
2	40.	242.	5.49306	5.50806
3	60.	139.	4.94164	4.63443
4	80.	48.	3.89182	3.76080
5	100.	13.	2.63906	2.88718



MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.28	1.41

LIGHT PROFILE ANALYSES - FOR12/18/2003

STATION LOCATION 18

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.35527	-0.05291	0.97721	0.95493

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	415.	6.03069	6.29707
2	40.	204.	5.32301	5.23887
3	60.	77.	4.35671	4.18067
4	80.	35.	3.58352	3.12247
5	100.	4.	1.60944	2.06428

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.6119    |                                                 |
      6.4086    |E                                                |
      6.2053    |*                                                |
      6.0020    |                                                 |
      5.7986    |                                                 |
      5.5953    |                                                 |
      5.3920    |            *                                    |
      5.1887    |                                                 |
      4.9854    |                                                 |
      4.7821    |                                                 |
      4.5787    |                                                 |
      4.3754    |                       *                         |
      4.1721    |                                                 |
      3.9688    |                                                 |
      3.7655    |                                   *             |
      3.5621    |                                                 |
      3.3588    |                                                 |
      3.1555    |                                   E             |
      2.9522    |                                                 |
      2.7489    |                                                 |
      2.5456    |                                                 |
      2.3422    |                                                 |
      2.1389    |                                              E  |
      1.9356    |                                                 |
      1.7323    |                                              *  |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.97	1.16

LIGHT PROFILE ANALYSES - FOR12/18/2003

STATION LOCATION 19

****

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.02628	-0.04757	0.99809	0.99619

N	X = DEPTH (cm)	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	408.	6.01372	6.07488
2	40.	163.	5.09987	5.12348
3	60.	75.	4.33073	4.17208
4	80.	24.	3.21888	3.22069
5	100.	8.	2.19722	2.26929

```
                |----|----|----|----|----|----|----|----|----|-----|
      6.3786    |                                                 |
      6.2070    |E                                                |
      6.0353    |*                                                |
      5.8637    |                                                 |
      5.6920    |                                                 |
      5.5204    |                                                 |
      5.3487    |                                                 |
      5.1771    |            *                                    |
      5.0054    |                                                 |
      4.8338    |                                                 |
      4.6621    |                                                 |
      4.4905    |                       *                         |
      4.3188    |                       E                         |
      4.1472    |                                                 |
      3.9755    |                                                 |
      3.8039    |                                                 |
      3.6322    |                                                 |
      3.4606    |                                                 |
      3.2889    |                                   *             |
      3.1173    |                                                 |
      2.9456    |                                                 |
      2.7740    |                                                 |
      2.6023    |                                                 |
      2.4307    |                                             E   |
      2.2590    |                                             *   |
                |----|----|----|----|----|----|----|----|----|-----|

           19.000    34.480    51.680    68.880    86.080   103.280
```

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.57	1.2

Appendix G

Summary Of Water Chemistry Data Collected In Conjunction With "Fixed" Isohaline Stations

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Color (Platinum-cobalt units)	Turbidity (NTU)	Residue Volatile, suspended (mg/l)	Residue Total at 105 degC susp (mg/l)	Alkalinity Lab (mg/L as CACO3)	Chloride Dissolved (mg/l as Cl)	Iron (mg/L)
28JAN03	#9	-2.4	Surface	80	2.3	6.6	2.9	89.0	9824.0	0.194
28JAN03	#9	-2.4	Bottom	60	4.6	21.8	5.9	95.5	12871.0	0.228
28JAN03	#10	6.6	Surface	120	2.8	5.9	4.6	76.0	5306.0	0.218
28JAN03	#10	6.6	Bottom	60	11.7	47.4	13.8	90.0	11768.0	0.585
28JAN03	#12	15.5	Surface	160	3.0	3.8	3.0	57.0	236.0	0.312
28JAN03	#12	15.5	Bottom	160	2.9	3.0	2.4	55.5	378.0	0.354
28JAN03	#14	23.6	Surface	160	2.8	2.0	1.0	55.0	30.7	0.348
28JAN03	#14	23.6	Bottom	160	2.6	3.3	1.9	52.0	29.0	0.326
28JAN03	#18	30.4	Surface	160	3.4	2.8	2.1	52.0	28.2	0.372
28JAN03	#18	30.4	Bottom	160	3.4	2.5	1.8	52.0	28.0	0.386
26FEB03	#9	-2.4	Surface	45	.	9.6	2.8	.	12608.0	0.193
26FEB03	#9	-2.4	Bottom	40	.	15.4	4.3	.	13864.0	0.294
26FEB03	#10	6.6	Surface	70	.	10.5	3.9	.	8037.0	0.200
26FEB03	#10	6.6	Bottom	50	.	45.5	12.7	.	11754.0	0.664
26FEB03	#12	15.5	Surface	100	.	10.6	7.5	.	2687.0	0.242
26FEB03	#12	15.5	Bottom	100	.	12.6	5.8	.	3441.0	0.522
26FEB03	#14	23.6	Surface	120	.	2.8	2.7	.	35.8	0.348
26FEB03	#14	23.6	Bottom	120	.	2.8	2.8	.	36.6	0.320
26FEB03	#18	30.4	Surface	120	.	2.2	2.2	.	27.0	0.326
26FEB03	#18	30.4	Bottom	120	.	2.9	2.9	.	26.8	0.344
26MAR03	#9	-2.4	Surface	40	.	10.3	4.3	.	12896.0	0.148
26MAR03	#9	-2.4	Bottom	35	.	14.5	4.8	.	12296.0	0.173
26MAR03	#10	6.6	Surface	80	.	10.9	4.8	.	9197.0	0.181
26MAR03	#10	6.6	Bottom	80	.	16.4	6.6	.	9797.0	0.221
26MAR03	#12	15.5	Surface	180	.	7.9	6.1	.	1349.0	0.254
26MAR03	#12	15.5	Bottom	160	.	11.3	6.6	.	2649.0	0.245
26MAR03	#14	23.6	Surface	240	.	3.1	3.1	.	32.4	0.304
26MAR03	#14	23.6	Bottom	225	.	3.2	3.2	.	32.6	0.301
26MAR03	#18	30.4	Surface	250	.	6.1	5.0	.	27.0	0.336
26MAR03	#18	30.4	Bottom	250	.	6.1	4.9	.	28.6	0.330
23APR03	#9	-2.4	Surface	30	.	7.3	3.5	.	13546.0	0.150
23APR03	#9	-2.4	Bottom	30	.	10.2	3.4	.	14096.0	0.154
23APR03	#10	6.6	Surface	40	.	16.2	4.7	.	5598.0	0.187
23APR03	#10	6.6	Bottom	50	.	25.2	7.6	.	10947.0	0.210
23APR03	#12	15.5	Surface	100	.	8.9	4.4	.	3159.0	0.149
23APR03	#12	15.5	Bottom	100	.	11.4	4.6	.	3399.0	0.181
23APR03	#14	23.6	Surface	120	.	4.1	4.1	.	109.0	0.214
23APR03	#14	23.6	Bottom	120	.	2.9	2.9	.	119.0	0.225
23APR03	#18	30.4	Surface	120	.	3.0	3.0	.	38.0	0.240
23APR03	#18	30.4	Bottom	120	.	3.0	3.0	.	38.4	0.251

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Color (Platinum-cobalt units)	Turbidity (NTU)	Residue Volatile, suspended (mg/l)	Residue Total at 105 degC susp (mg/l)	Alkalinity Lab (mg/L as CACO3)	Chloride Dissolved (mg/l as Cl)	Iron (mg/L)
27MAY03	#9	-2.4	Surface	40	.	11.8	4.0	.	11097.0	0.129
27MAY03	#9	-2.4	Bottom	35	.	12.6	3.8	.	13896.0	0.185
27MAY03	#10	6.6	Surface	60	.	10.6	4.7	.	7598.0	0.108
27MAY03	#10	6.6	Bottom	45	.	30.1	8.5	.	9497.0	0.340
27MAY03	#12	15.5	Surface	100	.	7.1	4.0	.	1075.0	0.168
27MAY03	#12	15.5	Bottom	60	.	18.0	6.8	.	1474.0	0.221
27MAY03	#14	23.6	Surface	120	.	3.2	3.2	.	49.6	0.173
27MAY03	#14	23.6	Bottom	120	.	4.6	4.2	.	49.6	0.189
27MAY03	#18	30.4	Surface	120	.	2.9	2.1	.	35.0	0.237
27MAY03	#18	30.4	Bottom	120	.	2.9	2.0	.	32.2	0.243
30JUN03	#9	-2.4	Surface	150	.	4.8	4.0	.	1450.0	0.305
30JUN03	#9	-2.4	Bottom	240	.	5.2	3.4	.	1699.0	0.293
30JUN03	#10	6.6	Surface	300	.	2.4	2.2	.	145.0	0.424
30JUN03	#10	6.6	Bottom	175	.	9.8	5.3	.	6198.0	0.321
30JUN03	#12	15.5	Surface	400	.	1.0	0.7	.	14.0	0.463
30JUN03	#12	15.5	Bottom	400	.	1.0	0.7	.	16.6	0.499
30JUN03	#14	23.6	Surface	350	.	1.8	1.8	.	14.4	0.499
30JUN03	#14	23.6	Bottom	350	.	1.4	1.4	.	14.0	0.467
30JUN03	#18	30.4	Surface	350	.	1.3	1.3	.	14.0	0.518
30JUN03	#18	30.4	Bottom	400	.	1.0	0.5	.	13.8	0.493
29JUL03	#9	-2.4	Surface	150	.	7.3	5.4	.	6088.0	0.114
29JUL03	#9	-2.4	Bottom	150	.	3.7	2.5	.	9080.0	0.134
29JUL03	#10	6.6	Surface	200	.	7.2	4.7	.	2469.0	0.235
29JUL03	#10	6.6	Bottom	150	.	7.9	7.9	.	7848.0	0.168
29JUL03	#12	15.5	Surface	300	.	2.4	2.2	.	33.6	0.352
29JUL03	#12	15.5	Bottom	300	.	3.1	2.6	.	40.0	0.406
29JUL03	#14	23.6	Surface	300	.	2.7	2.3	.	21.8	0.342
29JUL03	#14	23.6	Bottom	350	.	2.6	2.4	.	22.0	0.354
29JUL03	#18	30.4	Surface	350	.	3.8	2.5	.	22.2	0.386
29JUL03	#18	30.4	Bottom	350	.	5.1	2.8	.	21.8	0.427
26AUG03	#9	-2.4	Surface	200	.	2.1	2.1	.	2399.0	0.348
26AUG03	#9	-2.4	Bottom	100	.	1.6	1.6	.	9822.0	0.531
26AUG03	#10	6.6	Surface	250	.	2.3	2.3	.	334.0	0.551
26AUG03	#10	6.6	Bottom	100	.	4.0	2.7	.	7848.0	0.332
26AUG03	#12	15.5	Surface	250	.	1.2	1.2	.	19.8	0.552
26AUG03	#12	15.5	Bottom	250	.	4.6	3.9	.	19.6	0.575
26AUG03	#14	23.6	Surface	250	.	1.3	1.3	.	18.2	0.561
26AUG03	#14	23.6	Bottom	250	.	2.5	2.5	.	17.4	0.578
26AUG03	#18	30.4	Surface	300	.	2.9	2.9	.	16.8	0.533
26AUG03	#18	30.4	Bottom	300	.	1.4	1.4	.	15.0	0.531

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Color (Platinum-cobalt units)	Turbidity (NTU)	Residue Volatile, suspended (mg/l)	Residue Total at 105 degC susp (mg/l)	Alkalinity Lab (mg/L as CACO3)	Chloride Dissolved (mg/l as Cl)	Iron (mg/L)
23SEP03	#9	-2.4	Surface	160	.	20.2	19.3	.	8664.0	0.124
23SEP03	#9	-2.4	Bottom	160	.	3.4	2.8	.	9247.0	0.126
23SEP03	#10	6.6	Surface	120	.	5.6	3.1	.	6748.0	0.187
23SEP03	#10	6.6	Bottom	120	.	5.1	2.6	.	7698.0	0.168
23SEP03	#12	15.5	Surface	140	.	2.1	1.9	.	462.0	0.440
23SEP03	#12	15.5	Bottom	160	.	3.1	2.1	.	972.0	0.388
23SEP03	#14	23.6	Surface	180	.	2.4	1.9	.	20.0	0.517
23SEP03	#14	23.6	Bottom	180	.	2.0	1.3	.	22.6	0.452
23SEP03	#18	30.4	Surface	180	.	2.8	1.8	.	18.4	0.520
23SEP03	#18	30.4	Bottom	180	.	5.6	2.8	.	18.8	0.546
21OCT03	#9	-2.4	Surface	60	.	7.0	4.3	.	10447.0	0.145
21OCT03	#9	-2.4	Bottom	60	.	6.6	3.9	.	10797.0	0.150
21OCT03	#10	6.6	Surface	60	.	6.9	3.0	.	10747.0	0.155
21OCT03	#10	6.6	Bottom	60	.	8.3	2.8	.	11197.0	0.165
21OCT03	#12	15.5	Surface	140	.	7.1	3.4	.	3349.0	0.239
21OCT03	#12	15.5	Bottom	140	.	10.8	3.9	.	3799.0	0.340
21OCT03	#14	23.6	Surface	160	.	1.7	1.1	.	35.6	0.351
21OCT03	#14	23.6	Bottom	160	.	5.7	3.6	.	42.9	0.352
21OCT03	#18	30.4	Surface	160	.	2.0	2.0	.	38.0	0.306
21OCT03	#18	30.4	Bottom	160	.	6.8	4.6	.	34.7	0.332
20NOV03	#9	-2.4	Surface	30	.	9.8	5.4	.	13846.0	0.144
20NOV03	#9	-2.4	Bottom	30	.	9.9	3.9	.	13896.0	0.281
20NOV03	#10	6.6	Surface	40	.	15.4	6.2	.	10897.0	0.213
20NOV03	#10	6.6	Bottom	45	.	22.6	6.8	.	10997.0	0.230
20NOV03	#12	15.5	Surface	70	.	5.5	2.4	.	3799.0	0.117
20NOV03	#12	15.5	Bottom	70	.	12.7	4.9	.	3849.0	0.125
20NOV03	#14	23.6	Surface	90	.	3.7	2.0	.	49.4	0.169
20NOV03	#14	23.6	Bottom	80	.	3.9	2.4	.	72.5	0.118
20NOV03	#18	30.4	Surface	90	.	4.1	2.0	.	38.0	0.186
20NOV03	#18	30.4	Bottom	90	.	3.9	2.4	.	38.4	0.212
18DEC03	#9	-2.4	Surface	25	.	6.2	2.4	.	14496.0	0.116
18DEC03	#9	-2.4	Bottom	25	.	16.4	4.2	.	15345.0	0.175
18DEC03	#10	6.6	Surface	35	.	7.4	2.6	.	10797.0	0.121
18DEC03	#10	6.6	Bottom	35	.	13.2	3.0	.	11696.0	0.163
18DEC03	#12	15.5	Surface	60	.	3.8	2.0	.	1100.0	0.111
18DEC03	#12	15.5	Bottom	60	.	6.4	3.0	.	1425.0	0.121
18DEC03	#14	23.6	Surface	80	.	3.6	1.2	.	38.6	0.150
18DEC03	#14	23.6	Bottom	80	.	3.8	1.8	.	55.0	0.152
18DEC03	#18	30.4	Surface	90	.	5.6	1.6	.	37.2	0.181
18DEC03	#18	30.4	Bottom	90	.	5.8	2.2	.	38.2	0.181

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Ammonia/ Ammonium (mg/l)	Nitrogen, NO2+NO3 Total (mg/l as N)	Nitrogen, Total Kjeldahl (mg/l as N)	Phosphorus Ortho Total (mg/l as P)	Phosphorus, Phosphorus Total (mg/l as P)	Atomic Ration of Availiable Nitriogen to Phosphorus	Silica, Dissolved (mg/l as SIO2)
28JAN03	#9	-2.4	Surface	0.030	0.070	0.42	0.160	0.200	1.4	1.05
28JAN03	#9	-2.4	Bottom	0.020	0.168	0.23	0.100	0.150	4.3	0.89
28JAN03	#10	6.6	Surface	0.010	0.023	0.67	0.290	0.350	0.3	2.27
28JAN03	#10	6.6	Bottom	0.020	0.038	0.41	0.120	0.330	1.1	1.04
28JAN03	#12	15.5	Surface	0.010	0.732	0.90	0.510	0.560	3.3	4.12
28JAN03	#12	15.5	Bottom	0.010	0.719	0.84	0.520	0.580	3.2	4.09
28JAN03	#14	23.6	Surface	0.010	1.040	0.84	0.580	0.590	4.1	4.69
28JAN03	#14	23.6	Bottom	0.030	1.030	0.93	0.570	0.650	4.3	4.87
28JAN03	#18	30.4	Surface	0.010	1.090	0.85	0.590	0.640	4.3	4.79
28JAN03	#18	30.4	Bottom	0.010	1.090	0.86	0.570	0.630	4.4	4.87
26FEB03	#9	-2.4	Surface	0.040	0.101	0.24	0.100	.	3.2	0.68
26FEB03	#9	-2.4	Bottom	0.020	0.044	0.29	0.070	.	2.1	0.91
26FEB03	#10	6.6	Surface	0.010	0.035	0.49	0.240	.	0.4	0.71
26FEB03	#10	6.6	Bottom	0.010	0.046	0.54	0.120	.	1.1	0.90
26FEB03	#12	15.5	Surface	0.100	0.346	1.40	0.500	.	2.0	2.56
26FEB03	#12	15.5	Bottom	0.010	0.250	0.85	0.500	.	1.2	2.55
26FEB03	#14	23.6	Surface	0.050	0.626	0.78	0.760	.	2.0	4.23
26FEB03	#14	23.6	Bottom	0.050	0.648	0.70	0.760	.	2.1	4.16
26FEB03	#18	30.4	Surface	0.040	0.661	0.69	0.770	.	2.1	4.17
26FEB03	#18	30.4	Bottom	0.040	0.662	0.70	0.770	.	2.1	3.86
26MAR03	#9	-2.4	Surface	0.010	0.035	0.25	0.120	.	0.9	0.92
26MAR03	#9	-2.4	Bottom	0.010	0.027	0.28	0.140	.	0.6	0.94
26MAR03	#10	6.6	Surface	0.010	0.127	0.42	0.280	.	1.1	2.53
26MAR03	#10	6.6	Bottom	0.010	0.103	0.49	0.310	.	0.8	2.40
26MAR03	#12	15.5	Surface	0.010	0.405	0.87	0.640	.	1.5	4.92
26MAR03	#12	15.5	Bottom	0.010	0.350	0.84	0.660	.	1.2	4.96
26MAR03	#14	23.6	Surface	0.010	0.411	0.98	0.720	.	1.3	5.05
26MAR03	#14	23.6	Bottom	0.010	0.421	1.02	0.690	.	1.4	5.43
26MAR03	#18	30.4	Surface	0.010	0.456	1.02	0.760	.	1.4	5.70
26MAR03	#18	30.4	Bottom	0.010	0.559	1.02	0.700	.	1.9	5.41
23APR03	#9	-2.4	Surface	0.020	0.038	0.44	0.140	.	0.9	0.17
23APR03	#9	-2.4	Bottom	0.020	0.013	0.28	0.120	.	0.6	0.38
23APR03	#10	6.6	Surface	0.010	0.011	0.44	0.210	.	0.2	0.32
23APR03	#10	6.6	Bottom	0.010	0.035	0.43	0.210	.	0.5	0.36
23APR03	#12	15.5	Surface	0.010	0.111	0.69	0.490	.	0.6	2.25
23APR03	#12	15.5	Bottom	0.010	0.114	0.75	0.470	.	0.6	2.33

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Ammonia/ Ammonium (mg/l)	Nitrogen, NO2+NO3 Total (mg/l as N)	Nitrogen, Total Kjeldahl (mg/l as N)	Phosphorus Ortho Total (mg/l as P)	Phosphorus, Phosphorus Total (mg/l as P)	Atomic Ration of Availiable Nitriogen to Phosphorus	Silica, Dissolved (mg/l as SIO2)
23APR03	#14	23.6	Surface	0.010	0.312	0.76	0.740	.	1.0	5.69
23APR03	#14	23.6	Bottom	0.020	0.314	0.73	0.730	.	1.0	5.32
23APR03	#18	30.4	Surface	0.030	0.528	0.84	0.800	.	1.6	5.72
23APR03	#18	30.4	Bottom	0.010	0.546	0.80	0.820	.	1.5	5.79
27MAY03	#9	-2.4	Surface	0.010	0.008	0.26	3.470	.	0.0	1.42
27MAY03	#9	-2.4	Bottom	0.010	0.012	0.21	0.150	.	0.3	1.35
27MAY03	#10	6.6	Surface	0.010	0.007	0.56	0.330	.	0.1	3.09
27MAY03	#10	6.6	Bottom	0.110	0.008	0.46	0.220	.	1.2	4.05
27MAY03	#12	15.5	Surface	0.010	0.197	0.55	0.550	.	0.9	5.69
27MAY03	#12	15.5	Bottom	0.010	0.137	0.58	0.580	.	0.6	5.74
27MAY03	#14	23.6	Surface	0.010	0.511	0.80	0.660	.	1.8	4.72
27MAY03	#14	23.6	Bottom	0.010	0.525	0.80	0.640	.	1.9	5.20
27MAY03	#18	30.4	Surface	0.010	0.709	0.75	0.690	.	2.4	5.17
27MAY03	#18	30.4	Bottom	0.010	0.789	0.79	0.710	.	2.6	5.32
30JUN03	#9	-2.4	Surface	0.010	0.147	0.98	0.389	.	0.9	4.73
30JUN03	#9	-2.4	Bottom	0.010	0.143	1.04	0.387	.	0.9	4.72
30JUN03	#10	6.6	Surface	0.010	0.186	1.15	0.543	.	0.8	5.54
30JUN03	#10	6.6	Bottom	0.010	0.074	1.01	0.323	.	0.6	5.88
30JUN03	#12	15.5	Surface	0.010	0.179	1.11	0.581	.	0.7	5.49
30JUN03	#12	15.5	Bottom	0.010	0.200	1.22	0.576	.	0.8	5.48
30JUN03	#14	23.6	Surface	0.010	0.202	1.12	0.616	.	0.8	5.89
30JUN03	#14	23.6	Bottom	0.010	0.185	1.12	0.588	.	0.8	6.16
30JUN03	#18	30.4	Surface	0.010	0.197	1.13	0.589	.	0.8	5.62
30JUN03	#18	30.4	Bottom	0.010	0.180	1.05	0.456	.	1.0	5.63
29JUL03	#9	-2.4	Surface	0.010	0.016	0.70	0.258	.	0.2	4.67
29JUL03	#9	-2.4	Bottom	0.010	0.012	0.39	0.203	.	0.2	5.57
29JUL03	#10	6.6	Surface	0.030	0.148	0.77	0.393	.	1.0	5.82
29JUL03	#10	6.6	Bottom	0.010	0.031	0.61	0.292	.	0.3	6.61
29JUL03	#12	15.5	Surface	0.010	0.316	0.83	0.632	.	1.2	5.93
29JUL03	#12	15.5	Bottom	0.010	0.312	0.82	0.626	.	1.2	6.01
29JUL03	#14	23.6	Surface	0.010	0.443	0.90	0.598	.	1.7	6.32
29JUL03	#14	23.6	Bottom	0.010	0.449	0.75	0.610	.	1.7	6.04
29JUL03	#18	30.4	Surface	0.010	0.418	0.84	0.611	.	1.6	6.19
29JUL03	#18	30.4	Bottom	0.010	0.415	0.93	0.609	.	1.6	6.12

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Ammonia/ Ammonium (mg/l)	Nitrogen, NO2+NO3 Total (mg/l as N)	Nitrogen, Total Kjeldahl (mg/l as N)	Phosphorus Ortho Total (mg/l as P)	Phosphorus, Phosphorus Total (mg/l as P)	Atomic Ration of Availiable Nitriogen to Phosphorus	Silica, Dissolved (mg/l as SIO2)
26AUG03	#9	-2.4	Surface	0.030	0.247	0.91	0.380	.	1.7	7.01
26AUG03	#9	-2.4	Bottom	0.030	0.116	0.54	0.160	.	2.1	5.10
26AUG03	#10	6.6	Surface	0.020	0.192	1.08	0.480	.	1.0	6.77
26AUG03	#10	6.6	Bottom	0.020	0.106	0.81	0.290	.	1.0	7.08
26AUG03	#12	15.5	Surface	0.020	0.198	1.06	0.560	.	0.9	6.36
26AUG03	#12	15.5	Bottom	0.020	0.177	1.15	0.560	.	0.8	6.74
26AUG03	#14	23.6	Surface	0.020	0.211	1.05	0.560	.	0.9	6.72
26AUG03	#14	23.6	Bottom	0.020	0.293	1.11	0.560	.	1.3	6.81
26AUG03	#18	30.4	Surface	0.020	0.200	1.17	0.550	.	0.9	6.76
26AUG03	#18	30.4	Bottom	0.020	0.165	1.13	0.520	.	0.8	6.70
23SEP03	#9	-2.4	Surface	0.010	0.075	3.84	0.220	.	0.9	4.10
23SEP03	#9	-2.4	Bottom	0.010	0.058	5.45	0.170	.	0.9	3.92
23SEP03	#10	6.6	Surface	0.010	0.220	0.57	0.270	.	1.9	5.12
23SEP03	#10	6.6	Bottom	0.010	0.196	0.42	0.270	.	1.7	4.87
23SEP03	#12	15.5	Surface	0.010	0.335	1.18	0.520	.	1.5	6.94
23SEP03	#12	15.5	Bottom	0.010	0.329	0.93	0.500	.	1.5	6.81
23SEP03	#14	23.6	Surface	0.010	3.980	1.04	0.610	.	15.0	7.53
23SEP03	#14	23.6	Bottom	0.010	0.479	1.02	0.630	.	1.8	7.88
23SEP03	#18	30.4	Surface	0.010	0.545	1.23	0.670	.	1.9	8.04
23SEP03	#18	30.4	Bottom	0.010	0.593	1.10	0.660	.	2.1	8.11
21OCT03	#9	-2.4	Surface	0.010	0.014	0.50	0.110	.	0.5	0.42
21OCT03	#9	-2.4	Bottom	0.010	0.013	0.19	0.080	.	0.7	0.43
21OCT03	#10	6.6	Surface	0.010	0.022	0.23	0.080	.	0.9	0.74
21OCT03	#10	6.6	Bottom	0.010	0.030	0.33	0.090	.	1.0	0.81
21OCT03	#12	15.5	Surface	0.010	0.246	0.69	0.430	.	1.4	5.10
21OCT03	#12	15.5	Bottom	0.010	0.214	0.68	0.340	.	1.5	4.90
21OCT03	#14	23.6	Surface	0.010	0.339	0.92	0.670	.	1.2	7.42
21OCT03	#14	23.6	Bottom	0.010	0.338	0.93	0.660	.	1.2	7.58
21OCT03	#18	30.4	Surface	0.010	0.335	1.12	0.680	.	1.2	7.44
21OCT03	#18	30.4	Bottom	0.010	0.350	0.97	0.660	.	1.2	7.42
20NOV03	#9	-2.4	Surface	0.010	0.004	0.28	0.080	.	0.4	1.09
20NOV03	#9	-2.4	Bottom	0.010	0.008	0.21	0.080	.	0.5	1.07
20NOV03	#10	6.6	Surface	0.010	0.075	0.40	0.220	.	0.9	2.18
20NOV03	#10	6.6	Bottom	0.010	0.071	0.46	0.220	.	0.8	2.14
20NOV03	#12	15.5	Surface	0.010	0.349	0.66	1.200	.	0.7	5.60
20NOV03	#12	15.5	Bottom	0.010	0.367	0.67	1.270	.	0.7	5.66
20NOV03	#14	23.6	Surface	0.010	0.613	0.72	1.820	.	0.8	7.21

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Ammonia/ Ammonium (mg/l)	Nitrogen, NO2+NO3 Total (mg/l as N)	Nitrogen, Total Kjeldahl (mg/l as N)	Phosphorus Ortho Total (mg/l as P)	Phosphorus, Phosphorus Total (mg/l as P)	Atomic Ration of Availiable Nitriogen to Phosphorus	Silica, Dissolved (mg/l as SIO2)
20NOV03	#14	23.6	Bottom	0.010	0.616	0.66	1.880	.	0.8	7.45
20NOV03	#18	30.4	Surface	0.010	0.691	0.66	1.780	.	0.9	7.40
20NOV03	#18	30.4	Bottom	0.010	0.672	0.61	1.990	.	0.8	7.55
18DEC03	#9	-2.4	Surface	0.010	0.023	0.13	0.050	.	1.5	0.65
18DEC03	#9	-2.4	Bottom	0.010	0.018	0.22	0.050	.	1.3	0.45
18DEC03	#10	6.6	Surface	0.010	0.125	0.28	0.200	.	1.5	1.73
18DEC03	#10	6.6	Bottom	0.010	0.069	0.30	0.170	.	1.1	1.59
18DEC03	#12	15.5	Surface	0.010	0.531	0.67	0.640	.	1.9	4.32
18DEC03	#12	15.5	Bottom	0.010	0.504	0.67	0.630	.	1.9	4.32
18DEC03	#14	23.6	Surface	0.010	0.830	0.67	0.500	.	3.8	5.71
18DEC03	#14	23.6	Bottom	0.010	0.814	0.65	0.540	.	3.5	5.72
18DEC03	#18	30.4	Surface	0.010	0.851	0.61	0.550	.	3.6	6.18
18DEC03	#18	30.4	Bottom	0.010	0.859	0.67	0.550	.	3.6	6.19

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Carbon, Organic Total (mg/l as C)	Carbon, Organic dissolved (mg/l as C)	Carbon, Inorganic Total (mg/l as C)	Chlorophyll a (ug/L)
28JAN03	#9	-2.4	Surface	12.80	9.88	19.7	12.8
28JAN03	#9	-2.4	Bottom	7.80	8.49	22.3	9.1
28JAN03	#10	6.6	Surface	13.90	13.20	16.4	16.8
28JAN03	#10	6.6	Bottom	8.69	8.65	22.1	15.7
28JAN03	#12	15.5	Surface	17.20	16.60	14.0	5.8
28JAN03	#12	15.5	Bottom	17.30	16.90	13.7	5.3
28JAN03	#14	23.6	Surface	19.30	16.40	12.7	3.9
28JAN03	#14	23.6	Bottom	18.60	18.20	11.6	3.9
28JAN03	#18	30.4	Surface	18.10	18.10	11.4	3.9
28JAN03	#18	30.4	Bottom	17.10	16.90	13.0	12.8
26FEB03	#9	-2.4	Surface	.	.	.	4.6
26FEB03	#9	-2.4	Bottom	.	.	.	3.9
26FEB03	#10	6.6	Surface	.	.	.	15.9
26FEB03	#10	6.6	Bottom	.	.	.	15.8
26FEB03	#12	15.5	Surface	.	.	.	49.9
26FEB03	#12	15.5	Bottom	.	.	.	25.0
26FEB03	#14	23.6	Surface	.	.	.	7.7
26FEB03	#14	23.6	Bottom	.	.	.	4.5
26FEB03	#18	30.4	Surface	.	.	.	3.9
26FEB03	#18	30.4	Bottom	.	.	.	3.9
26MAR03	#9	-2.4	Surface	.	.	.	5.9
26MAR03	#9	-2.4	Bottom	.	.	.	5.6
26MAR03	#10	6.6	Surface	.	.	.	23.2
26MAR03	#10	6.6	Bottom	.	.	.	19.1
26MAR03	#12	15.5	Surface	.	.	.	27.4
26MAR03	#12	15.5	Bottom	.	.	.	25.9
26MAR03	#14	23.6	Surface	.	.	.	10.8
26MAR03	#14	23.6	Bottom	.	.	.	8.1
26MAR03	#18	30.4	Surface	.	.	.	12.2
26MAR03	#18	30.4	Bottom	.	.	.	11.8
23APR03	#9	-2.4	Surface	.	.	.	4.1
23APR03	#9	-2.4	Bottom	.	.	.	4.6
23APR03	#10	6.6	Surface	.	.	.	6.0
23APR03	#10	6.6	Bottom	.	.	.	8.1
23APR03	#12	15.5	Surface	.	.	.	12.3
23APR03	#12	15.5	Bottom	.	.	.	11.3
23APR03	#14	23.6	Surface	.	.	.	15.9
23APR03	#14	23.6	Bottom	.	.	.	12.0
23APR03	#18	30.4	Surface	.	.	.	16.8
23APR03	#18	30.4	Bottom	.	.	.	13.2

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Carbon, Organic Total (mg/l as C)	Carbon, Organic dissolved (mg/l as C)	Carbon, Inorganic Total (mg/l as C)	Chlorophyll a (ug/L)
7							
27MAY03	#9	-2.4	Surface	.	.	.	3.9
27MAY03	#9	-2.4	Bottom	.	.	.	9.6
27MAY03	#10	6.6	Surface	.	.	.	17.3
27MAY03	#10	6.6	Bottom	.	.	.	19.0
27MAY03	#12	15.5	Surface	.	.	.	22.6
27MAY03	#12	15.5	Bottom	.	.	.	22.6
27MAY03	#14	23.6	Surface	.	.	.	17.6
27MAY03	#14	23.6	Bottom	.	.	.	6.0
27MAY03	#18	30.4	Surface	.	.	.	4.9
27MAY03	#18	30.4	Bottom	.	.	.	4.5
30JUN03	#9	-2.4	Surface	.	.	.	8.5
30JUN03	#9	-2.4	Bottom	.	.	.	11.7
30JUN03	#10	6.6	Surface	.	.	.	4.1
30JUN03	#10	6.6	Bottom	.	.	.	3.9
30JUN03	#12	15.5	Surface	.	.	.	3.9
30JUN03	#12	15.5	Bottom	.	.	.	3.9
30JUN03	#14	23.6	Surface	.	.	.	4.2
30JUN03	#14	23.6	Bottom	.	.	.	3.9
30JUN03	#18	30.4	Surface	.	.	.	3.9
30JUN03	#18	30.4	Bottom	.	.	.	3.9
29JUL03	#9	-2.4	Surface	.	.	.	42.4
29JUL03	#9	-2.4	Bottom	.	.	.	6.4
29JUL03	#10	6.6	Surface	.	.	.	18.1
29JUL03	#10	6.6	Bottom	.	.	.	11.6
29JUL03	#12	15.5	Surface	.	.	.	9.0
29JUL03	#12	15.5	Bottom	.	.	.	3.9
29JUL03	#14	23.6	Surface	.	.	.	11.6
29JUL03	#14	23.6	Bottom	.	.	.	3.9
29JUL03	#18	30.4	Surface	.	.	.	3.9
29JUL03	#18	30.4	Bottom	.	.	.	3.9
26AUG03	#9	-2.4	Surface	.	.	.	7.3
26AUG03	#9	-2.4	Bottom	.	.	.	3.9
26AUG03	#10	6.6	Surface	.	.	.	3.9
26AUG03	#10	6.6	Bottom	.	.	.	3.9
26AUG03	#12	15.5	Surface	.	.	.	3.9
26AUG03	#12	15.5	Bottom	.	.	.	3.9
26AUG03	#14	23.6	Surface	.	.	.	3.9
26AUG03	#14	23.6	Bottom	.	.	.	3.9
26AUG03	#18	30.4	Surface	.	.	.	3.9
26AUG03	#18	30.4	Bottom	.	.	.	3.9

Fixed Station Water Quality Data from Benchmark - Top & Bottom

Date	Station Number	Distance from Mouth of River	DEPTH	Carbon, Organic Total (mg/l as C)	Carbon, Organic dissolved (mg/l as C)	Carbon, Inorganic Total (mg/l as C)	Chlorophyll a (ug/L)
23SEP03	#9	-2.4	Surface	.	.	.	307.0
23SEP03	#9	-2.4	Bottom	.	.	.	457.0
23SEP03	#10	6.6	Surface	.	.	.	13.6
23SEP03	#10	6.6	Bottom	.	.	.	11.7
23SEP03	#12	15.5	Surface	.	.	.	10.9
23SEP03	#12	15.5	Bottom	.	.	.	3.9
23SEP03	#14	23.6	Surface	.	.	.	3.9
23SEP03	#14	23.6	Bottom	.	.	.	3.9
23SEP03	#18	30.4	Surface	.	.	.	6.1
23SEP03	#18	30.4	Bottom	.	.	.	3.9
21OCT03	#9	-2.4	Surface	.	.	.	34.5
21OCT03	#9	-2.4	Bottom	.	.	.	30.1
21OCT03	#10	6.6	Surface	.	.	.	20.1
21OCT03	#10	6.6	Bottom	.	.	.	25.5
21OCT03	#12	15.5	Surface	.	.	.	39.0
21OCT03	#12	15.5	Bottom	.	.	.	35.4
21OCT03	#14	23.6	Surface	.	.	.	23.8
21OCT03	#14	23.6	Bottom	.	.	.	22.7
21OCT03	#18	30.4	Surface	.	.	.	25.3
21OCT03	#18	30.4	Bottom	.	.	.	26.4
20NOV03	#9	-2.4	Surface	.	.	.	18.2
20NOV03	#9	-2.4	Bottom	.	.	.	11.7
20NOV03	#10	6.6	Surface	.	.	.	12.6
20NOV03	#10	6.6	Bottom	.	.	.	13.5
20NOV03	#12	15.5	Surface	.	.	.	6.4
20NOV03	#12	15.5	Bottom	.	.	.	7.9
20NOV03	#14	23.6	Surface	.	.	.	3.9
20NOV03	#14	23.6	Bottom	.	.	.	4.3
20NOV03	#18	30.4	Surface	.	.	.	3.9
20NOV03	#18	30.4	Bottom	.	.	.	3.9
18DEC03	#9	-2.4	Surface	.	.	.	6.5
18DEC03	#9	-2.4	Bottom	.	.	.	6.4
18DEC03	#10	6.6	Surface	.	.	.	7.3
18DEC03	#10	6.6	Bottom	.	.	.	9.0
18DEC03	#12	15.5	Surface	.	.	.	4.5
18DEC03	#12	15.5	Bottom	.	.	.	4.5
18DEC03	#14	23.6	Surface	.	.	.	3.9
18DEC03	#14	23.6	Bottom	.	.	.	3.9
18DEC03	#18	30.4	Surface	.	.	.	5.4
18DEC03	#18	30.4	Bottom	.	.	.	6.3

Appendix H

2003 Flows And Withdrawals

DATE	Peace River at Arcadia (cfs) - Gage 02296750	Horse Creek at Aracadia (cfs) - Gage 02297310	Joshua Creek at Nocatee (cfs) - Gage 02297100	Shell Creek at Punta Gorda (cfs) - Gage 02298202	Facility Withdrawals (cfs)
01/01/03	3720.0	387.0	244.0	1019.0	22.2
01/02/03	3820.0	381.0	267.0	1110.0	20.0
01/03/03	4069.0	368.0	243.0	1090.0	0.0
01/04/03	4340.0	365.0	171.0	1030.0	29.2
01/05/03	4560.0	443.0	233.0	941.0	29.8
01/06/03	4690.0	542.0	128.0	836.0	45.8
01/07/03	4760.0	565.0	108.0	738.0	45.6
01/08/03	4700.0	518.0	95.0	635.0	45.5
01/09/03	4580.0	446.0	91.0	576.0	29.9
01/10/03	4400.0	376.0	89.0	513.0	21.5
01/11/03	4190.0	318.0	89.0	463.0	21.4
01/12/03	3950.0	269.0	90.0	433.0	21.6
01/13/03	3690.0	233.0	98.0	399.0	21.6
01/14/03	3430.0	205.0	121.0	368.0	21.4
01/15/03	3160.0	180.0	106.0	325.0	21.4
01/16/03	2900.0	161.0	92.0	288.0	21.6
01/17/03	2660.0	147.0	82.0	254.0	21.5
01/18/03	2470.0	134.0	76.0	242.0	21.7
01/19/03	2290.0	127.0	77.0	233.0	31.0
01/20/03	2140.0	121.0	78.0	217.0	37.6
01/21/03	2010.0	113.0	70.0	220.0	44.7
01/22/03	1870.0	105.0	61.0	207.0	44.6
01/23/03	1710.0	97.0	59.0	184.0	37.9
01/24/03	1540.0	91.0	67.0	180.0	21.3
01/25/03	1400.0	90.0	83.0	173.0	18.4
01/26/03	1280.0	90.0	79.0	182.0	21.4
01/27/03	1160.0	82.0	66.0	195.0	21.3
01/28/03	1040.0	74.0	66.0	207.0	21.3
01/29/03	942.0	69.0	60.0	187.0	32.7
01/30/03	858.0	66.0	54.0	167.0	44.9
01/31/03	801.0	62.0	49.0	143.0	44.9
02/01/03	758.0	58.0	47.0	156.0	44.7
02/02/03	720.0	55.0	45.0	158.0	29.7
02/03/03	693.0	52.0	43.0	151.0	21.2
02/04/03	673.0	50.0	42.0	139.0	21.3
02/05/03	652.0	48.0	40.0	134.0	21.0
02/06/03	628.0	46.0	39.0	121.0	41.4
02/07/03	610.0	44.0	38.0	117.0	37.7
02/08/03	593.0	43.0	38.0	119.0	19.0
02/09/03	576.0	42.0	37.0	109.0	26.3
02/10/03	565.0	41.0	35.0	106.0	34.1
02/11/03	569.0	42.0	35.0	104.0	32.3
02/12/03	570.0	42.0	34.0	96.0	11.3
02/13/03	557.0	40.0	32.0	94.0	32.0
02/14/03	529.0	38.0	32.0	96.0	30.8
02/15/03	503.0	37.0	33.0	87.0	31.5
02/16/03	490.0	36.0	32.0	78.0	27.6
02/17/03	507.0	42.0	35.0	84.0	20.0
02/18/03	545.0	42.0	35.0	86.0	12.7
02/19/03	564.0	40.0	33.0	83.0	31.8
02/20/03	538.0	39.0	33.0	79.0	44.3
02/21/03	512.0	38.0	32.0	80.0	44.3
02/22/03	499.0	37.0	31.0	76.0	21.9

DATE	Peace River at Arcadia (cfs) - Gage 02296750	Horse Creek at Aracadia (cfs) - Gage 02297310	Joshua Creek at Nocatee (cfs) - Gage 02297100	Shell Creek at Punta Gorda (cfs) - Gage 02298202	Facility Withdrawals (cfs)
02/23/03	514.0	41.0	31.0	81.0	21.1
02/24/03	578.0	43.0	30.0	78.0	21.0
02/25/03	600.0	44.0	28.0	68.0	21.2
02/26/03	560.0	42.0	28.0	63.0	21.1
02/27/03	531.0	41.0	28.0	63.0	19.3
02/28/03	529.0	43.0	31.0	66.0	16.3
03/01/03	546.0	45.0	30.0	65.0	21.0
03/02/03	584.0	44.0	28.0	60.0	34.3
03/03/03	655.0	42.0	27.0	62.0	35.2
03/04/03	660.0	39.0	27.0	58.0	35.2
03/05/03	654.0	40.0	27.0	56.0	34.9
03/06/03	625.0	41.0	27.0	54.0	22.7
03/07/03	587.0	37.0	26.0	50.0	21.1
03/08/03	560.0	34.0	26.0	50.0	21.0
03/09/03	553.0	33.0	25.0	51.0	21.0
03/10/03	547.0	37.0	28.0	66.0	34.8
03/11/03	533.0	36.0	27.0	63.0	44.3
03/12/03	519.0	32.0	25.0	56.0	44.0
03/13/03	503.0	29.0	24.0	55.0	24.0
03/14/03	479.0	27.0	24.0	53.0	20.8
03/15/03	459.0	25.0	24.0	51.0	36.2
03/16/03	443.0	24.0	23.0	60.0	39.9
03/17/03	458.0	31.0	33.0	91.0	17.0
03/18/03	510.0	34.0	36.0	112.0	21.2
03/19/03	702.0	33.0	32.0	123.0	42.6
03/20/03	730.0	34.0	30.0	123.0	44.3
03/21/03	739.0	56.0	36.0	157.0	11.7
03/22/03	920.0	68.0	44.0	138.0	11.0
03/23/03	1100.0	69.0	49.0	130.0	12.8
03/24/03	1290.0	84.0	50.0	123.0	14.8
03/25/03	1480.0	93.0	47.0	108.0	20.3
03/26/03	1340.0	83.0	42.0	103.0	28.7
03/27/03	1220.0	72.0	40.0	133.0	40.8
03/28/03	1170.0	67.0	47.0	178.0	29.9
03/29/03	1220.0	59.0	48.0	201.0	27.2
03/30/03	1230.0	52.0	45.0	180.0	11.3
03/31/03	1190.0	49.0	42.0	150.0	11.5
04/01/03	1120.0	45.0	39.0	134.0	11.5
04/02/03	1040.0	42.0	37.0	123.0	11.5
04/03/03	957.0	39.0	34.0	108.0	11.4
04/04/03	866.0	36.0	31.0	94.0	11.1
04/05/03	775.0	32.0	30.0	83.0	10.3
04/06/03	696.0	29.0	29.0	77.0	9.7
04/07/03	639.0	26.0	26.0	68.0	46.2
04/08/03	600.0	23.0	26.0	65.0	22.0
04/09/03	647.0	35.0	27.0	59.0	16.6
04/10/03	692.0	56.0	26.0	52.0	10.4
04/11/03	605.0	34.0	25.0	54.0	10.5
04/12/03	544.0	25.0	23.0	56.0	10.4
04/13/03	501.0	21.0	22.0	47.0	10.4
04/14/03	445.0	18.0	21.0	45.0	35.4
04/15/03	394.0	16.0	22.0	42.0	12.5
04/16/03	374.0	15.0	22.0	37.0	11.2

DATE	Peace River at Arcadia (cfs) - Gage 02296750	Horse Creek at Aracadia (cfs) - Gage 02297310	Joshua Creek at Nocatee (cfs) - Gage 02297100	Shell Creek at Punta Gorda (cfs) - Gage 02298202	Facility Withdrawals (cfs)
04/17/03	356.0	14.0	21.0	50.0	11.1
04/18/03	337.0	13.0	20.0	42.0	17.7
04/19/03	321.0	13.0	20.0	39.0	7.3
04/20/03	302.0	12.0	20.0	30.0	23.5
04/21/03	288.0	11.0	16.0	31.0	26.1
04/22/03	278.0	10.0	13.0	29.0	24.5
04/23/03	265.0	9.6	17.0	27.0	0.0
04/24/03	247.0	8.9	19.0	24.0	12.3
04/25/03	229.0	8.6	20.0	22.0	14.8
04/26/03	377.0	60.0	83.0	151.0	0.0
04/27/03	785.0	82.0	89.0	156.0	6.8
04/28/03	797.0	75.0	67.0	144.0	18.5
04/29/03	606.0	73.0	71.0	162.0	9.3
04/30/03	502.0	80.0	66.0	189.0	21.0
05/01/03	454.0	86.0	62.0	160.0	0.0
05/02/03	457.0	86.0	58.0	126.0	15.9
05/03/03	462.0	90.0	55.0	103.0	3.1
05/04/03	430.0	88.0	50.0	91.0	16.9
05/05/03	391.0	84.0	47.0	83.0	18.9
05/06/03	355.0	77.0	44.0	66.0	4.0
05/07/03	323.0	69.0	42.0	72.0	23.1
05/08/03	289.0	59.0	40.0	75.0	9.0
05/09/03	266.0	49.0	38.0	67.0	12.7
05/10/03	235.0	40.0	37.0	59.0	13.4
05/11/03	213.0	33.0	36.0	54.0	0.0
05/12/03	195.0	27.0	34.0	49.0	0.0
05/13/03	178.0	22.0	33.0	49.0	0.0
05/14/03	170.0	19.0	40.0	44.0	0.0
05/15/03	178.0	16.0	74.0	55.0	0.0
05/16/03	162.0	15.0	52.0	76.0	0.0
05/17/03	153.0	13.0	45.0	71.0	0.0
05/18/03	207.0	15.0	64.0	88.0	0.0
05/19/03	194.0	14.0	58.0	145.0	0.0
05/20/03	252.0	19.0	54.0	191.0	0.0
05/21/03	342.0	50.0	51.0	134.0	0.0
05/22/03	333.0	59.0	47.0	113.0	0.0
05/23/03	306.0	53.0	49.0	186.0	0.0
05/24/03	352.0	54.0	62.0	200.0	0.0
05/25/03	425.0	54.0	60.0	172.0	0.0
05/26/03	581.0	56.0	53.0	152.0	0.0
05/27/03	658.0	58.0	50.0	141.0	0.0
05/28/03	648.0	61.0	47.0	141.0	0.0
05/29/03	627.0	62.0	47.0	177.0	0.0
05/30/03	583.0	58.0	44.0	184.0	17.8
05/31/03	529.0	52.0	41.0	164.0	26.4
06/01/03	471.0	44.0	37.0	148.0	26.6
06/02/03	413.0	37.0	36.0	140.0	19.0
06/03/03	353.0	33.0	36.0	131.0	0.0
06/04/03	316.0	31.0	45.0	134.0	0.0
06/05/03	298.0	28.0	54.0	139.0	0.0
06/06/03	285.0	26.0	47.0	150.0	0.0
06/07/03	323.0	26.0	42.0	142.0	0.0
06/08/03	608.0	28.0	42.0	148.0	0.0

DATE	Peace River at Arcadia (cfs) - Gage 02296750	Horse Creek at Aracadia (cfs) - Gage 02297310	Joshua Creek at Nocatee (cfs) - Gage 02297100	Shell Creek at Punta Gorda (cfs) - Gage 02298202	Facility Withdrawals (cfs)
06/09/03	1150.0	41.0	51.0	212.0	0.0
06/10/03	1880.0	87.0	65.0	308.0	0.0
06/11/03	2470.0	93.0	63.0	346.0	0.0
06/12/03	2890.0	133.0	90.0	377.0	7.0
06/13/03	3040.0	205.0	106.0	406.0	30.5
06/14/03	3010.0	218.0	117.0	403.0	14.6
06/15/03	2870.0	215.0	110.0	371.0	0.0
06/16/03	2630.0	218.0	91.0	340.0	0.0
06/17/03	2360.0	276.0	77.0	334.0	0.0
06/18/03	2080.0	231.0	63.0	416.0	34.3
06/19/03	1910.0	307.0	110.0	482.0	67.0
06/20/03	2020.0	416.0	204.0	538.0	60.4
06/21/03	3300.0	1800.0	1130.0	2190.0	21.8
06/22/03	5500.0	7420.0	4160.0	4920.0	22.1
06/23/03	7590.0	10200.0	3820.0	6410.0	16.5
06/24/03	9030.0	7790.0	2460.0	5340.0	0.0
06/25/03	10500.0	5880.0	1650.0	4079.0	0.0
06/26/03	10700.0	4620.0	1040.0	3150.0	0.0
06/27/03	10300.0	3700.0	636.0	2630.0	16.0
06/28/03	9620.0	2980.0	436.0	2340.0	25.3
06/29/03	8880.0	2460.0	380.0	2090.0	47.0
06/30/03	8090.0	2010.0	383.0	1840.0	47.1
07/01/03	7280.0	1560.0	334.0	1750.0	67.7
07/02/03	6580.0	1120.0	477.0	1670.0	68.5
07/03/03	5830.0	878.0	432.0	1460.0	55.6
07/04/03	5170.0	750.0	370.0	1170.0	43.1
07/05/03	4600.0	650.0	359.0	1019.0	36.0
07/06/03	4110.0	500.0	331.0	787.0	34.5
07/07/03	3640.0	400.0	281.0	647.0	26.3
07/08/03	3270.0	336.0	235.0	555.0	32.4
07/09/03	3030.0	314.0	200.0	488.0	36.0
07/10/03	2829.0	249.0	169.0	420.0	36.5
07/11/03	2590.0	203.0	145.0	360.0	35.5
07/12/03	2270.0	175.0	128.0	316.0	26.1
07/13/03	2000.0	221.0	250.0	423.0	21.9
07/14/03	1770.0	182.0	298.0	853.0	32.3
07/15/03	1690.0	143.0	228.0	989.0	36.0
07/16/03	1670.0	119.0	168.0	915.0	35.9
07/17/03	1690.0	103.0	134.0	772.0	35.8
07/18/03	1719.0	87.0	118.0	634.0	29.7
07/19/03	1719.0	83.0	155.0	616.0	25.6
07/20/03	1700.0	92.0	118.0	528.0	35.4
07/21/03	1670.0	106.0	97.0	398.0	40.6
07/22/03	1650.0	124.0	82.0	339.0	40.3
07/23/03	1450.0	123.0	75.0	285.0	35.4
07/24/03	1480.0	155.0	69.0	270.0	35.3
07/25/03	1670.0	204.0	100.0	300.0	35.0
07/26/03	1700.0	243.0	90.0	310.0	34.9
07/27/03	1750.0	264.0	87.0	310.0	34.9
07/28/03	1800.0	266.0	98.0	275.0	35.0
07/29/03	1830.0	226.0	112.0	211.0	35.0
07/30/03	1810.0	200.0	127.0	168.0	28.8
07/31/03	1830.0	200.0	149.0	186.0	35.6

DATE	Peace River at Arcadia (cfs) - Gage 02296750	Horse Creek at Aracadia (cfs) - Gage 02297310	Joshua Creek at Nocatee (cfs) - Gage 02297100	Shell Creek at Punta Gorda (cfs) - Gage 02298202	Facility Withdrawals (cfs)
08/01/03	1840.0	200.0	188.0	193.0	37.4
08/02/03	1729.0	197.0	161.0	197.0	31.9
08/03/03	1840.0	323.0	157.0	225.0	34.8
08/04/03	2240.0	488.0	219.0	255.0	0.0
08/05/03	2670.0	640.0	219.0	300.0	33.4
08/06/03	2880.0	667.0	195.0	360.0	36.6
08/07/03	2750.0	633.0	200.0	420.0	37.0
08/08/03	2740.0	637.0	248.0	486.0	36.1
08/09/03	2940.0	727.0	345.0	593.0	35.7
08/10/03	3620.0	1220.0	664.0	1180.0	36.3
08/11/03	4160.0	1670.0	735.0	1180.0	34.7
08/12/03	4660.0	1840.0	711.0	1050.0	26.1
08/13/03	5020.0	2210.0	657.0	1010.0	26.3
08/14/03	5180.0	2580.0	613.0	878.0	25.9
08/15/03	5290.0	2120.0	591.0	832.0	26.0
08/16/03	5240.0	1810.0	555.0	739.0	26.9
08/17/03	5050.0	1480.0	604.0	669.0	36.0
08/18/03	4770.0	1250.0	550.0	792.0	27.1
08/19/03	4600.0	1190.0	488.0	803.0	26.7
08/20/03	4790.0	1429.0	505.0	853.0	26.3
08/21/03	4810.0	1429.0	497.0	911.0	26.2
08/22/03	4680.0	1340.0	457.0	988.0	26.0
08/23/03	4630.0	1419.0	431.0	905.0	26.0
08/24/03	4810.0	1860.0	409.0	795.0	26.0
08/25/03	5170.0	2030.0	596.0	1080.0	41.8
08/26/03	5420.0	1910.0	659.0	1040.0	39.1
08/27/03	5580.0	1590.0	640.0	980.0	36.0
08/28/03	5750.0	1429.0	566.0	958.0	35.4
08/29/03	5850.0	1490.0	533.0	953.0	35.5
08/30/03	5870.0	1429.0	471.0	890.0	35.0
08/31/03	5800.0	1210.0	421.0	803.0	35.0
09/01/03	5620.0	1019.0	381.0	692.0	34.7
09/02/03	5440.0	929.0	340.0	608.0	34.7
09/03/03	5330.0	931.0	327.0	504.0	34.5
09/04/03	5100.0	844.0	304.0	521.0	34.7
09/05/03	4990.0	834.0	349.0	1140.0	34.2
09/06/03	5430.0	1230.0	756.0	4340.0	34.3
09/07/03	5850.0	1440.0	882.0	3740.0	34.7
09/08/03	6140.0	1200.0	732.0	2890.0	34.6
09/09/03	6240.0	1010.0	524.0	2230.0	34.5
09/10/03	6070.0	908.0	311.0	1739.0	34.7
09/11/03	5649.0	806.0	220.0	1409.0	34.5
09/12/03	5120.0	703.0	354.0	1170.0	34.1
09/13/03	4530.0	608.0	378.0	1030.0	34.4
09/14/03	4900.0	680.0	961.0	868.0	34.1
09/15/03	4530.0	642.0	623.0	666.0	34.4
09/16/03	3640.0	592.0	423.0	550.0	34.1
09/17/03	2700.0	696.0	327.0	525.0	33.0
09/18/03	2090.0	764.0	296.0	698.0	32.3
09/19/03	1710.0	673.0	237.0	688.0	31.8
09/20/03	1460.0	552.0	209.0	587.0	25.6
09/21/03	1340.0	458.0	188.0	483.0	20.4
09/22/03	1190.0	378.0	162.0	436.0	24.5
09/23/03	1100.0	291.0	162.0	407.0	37.0

DATE	Peace River at Arcadia (cfs) - Gage 02296750	Horse Creek at Aracadia (cfs) - Gage 02297310	Joshua Creek at Nocatee (cfs) - Gage 02297100	Shell Creek at Punta Gorda (cfs) - Gage 02298202	Facility Withdrawals (cfs)
09/24/03	1000.0	229.0	144.0	374.0	40.0
09/25/03	930.0	236.0	132.0	470.0	38.9
09/26/03	1940.0	646.0	264.0	1790.0	51.3
09/27/03	3230.0	802.0	374.0	1940.0	34.4
09/28/03	3920.0	911.0	748.0	1880.0	21.5
09/29/03	4140.0	882.0	913.0	2150.0	9.4
09/30/03	4410.0	1400.0	884.0	2060.0	0.0
10/01/03	4790.0	1460.0	803.0	1810.0	0.0
10/02/03	4870.0	1280.0	660.0	1620.0	12.0
10/03/03	4620.0	1140.0	547.0	1490.0	37.8
10/04/03	4210.0	993.0	451.0	1350.0	37.3
10/05/03	3660.0	861.0	369.0	1200.0	36.9
10/06/03	3040.0	731.0	301.0	1180.0	37.0
10/07/03	2430.0	607.0	247.0	1010.0	43.6
10/08/03	1900.0	502.0	204.0	841.0	52.5
10/09/03	1540.0	415.0	169.0	634.0	54.6
10/10/03	1330.0	345.0	142.0	513.0	12.8
10/11/03	1180.0	292.0	123.0	447.0	21.4
10/12/03	1080.0	247.0	108.0	400.0	21.7
10/13/03	1010.0	211.0	96.0	380.0	30.3
10/14/03	964.0	183.0	87.0	350.0	45.4
10/15/03	928.0	161.0	77.0	300.0	45.3
10/16/03	897.0	138.0	69.0	270.0	45.0
10/17/03	872.0	120.0	63.0	240.0	44.5
10/18/03	847.0	107.0	57.0	213.0	44.5
10/19/03	800.0	94.0	53.0	198.0	36.8
10/20/03	726.0	83.0	50.0	183.0	36.4
10/21/03	657.0	73.0	49.0	171.0	0.2
10/22/03	610.0	65.0	45.0	159.0	10.7
10/23/03	557.0	59.0	43.0	151.0	50.7
10/24/03	482.0	52.0	41.0	152.0	50.9
10/25/03	438.0	47.0	40.0	137.0	46.9
10/26/03	406.0	43.0	38.0	121.0	19.1
10/27/03	375.0	39.0	38.0	119.0	30.6
10/28/03	356.0	37.0	38.0	118.0	43.6
10/29/03	354.0	40.0	38.0	116.0	37.2
10/30/03	402.0	44.0	35.0	111.0	29.7
10/31/03	418.0	39.0	33.0	104.0	27.3
11/01/03	393.0	34.0	32.0	99.0	39.1
11/02/03	364.0	31.0	31.0	93.0	45.9
11/03/03	338.0	30.0	31.0	94.0	28.2
11/04/03	338.0	30.0	31.0	89.0	36.4
11/05/03	344.0	31.0	35.0	93.0	27.9
11/06/03	360.0	42.0	41.0	114.0	36.8
11/07/03	445.0	60.0	48.0	159.0	39.8
11/08/03	497.0	60.0	47.0	180.0	27.5
11/09/03	504.0	62.0	44.0	167.0	40.6
11/10/03	478.0	57.0	41.0	149.0	30.7
11/11/03	457.0	52.0	38.0	133.0	42.1
11/12/03	443.0	49.0	35.0	115.0	40.1
11/13/03	437.0	46.0	34.0	107.0	21.2
11/14/03	431.0	42.0	33.0	101.0	16.7
11/15/03	416.0	39.0	30.0	96.0	49.6

DATE	Peace River at Arcadia (cfs) - Gage 02296750	Horse Creek at Aracadia (cfs) - Gage 02297310	Joshua Creek at Nocatee (cfs) - Gage 02297100	Shell Creek at Punta Gorda (cfs) - Gage 02298202	Facility Withdrawals (cfs)
11/16/03	397.0	35.0	27.0	90.0	48.5
11/17/03	379.0	31.0	26.0	86.0	45.6
11/18/03	357.0	28.0	26.0	82.0	44.5
11/19/03	342.0	28.0	27.0	80.0	28.5
11/20/03	335.0	29.0	26.0	82.0	36.1
11/21/03	320.0	28.0	25.0	78.0	27.3
11/22/03	304.0	26.0	23.0	77.0	29.2
11/23/03	289.0	24.0	22.0	72.0	29.0
11/24/03	278.0	22.0	21.0	67.0	26.1
11/25/03	270.0	21.0	21.0	68.0	25.9
11/26/03	270.0	21.0	27.0	67.0	25.6
11/27/03	249.0	20.0	25.0	64.0	25.7
11/28/03	242.0	19.0	22.0	66.0	23.8
11/29/03	244.0	17.0	20.0	59.0	22.8
11/30/03	235.0	16.0	20.0	58.0	23.0
12/01/03	229.0	15.0	20.0	52.0	22.1
12/02/03	228.0	15.0	20.0	49.0	21.4
12/03/03	235.0	15.0	21.0	45.0	21.4
12/04/03	245.0	15.0	19.0	41.0	22.0
12/05/03	243.0	15.0	19.0	46.0	22.6
12/06/03	241.0	15.0	19.0	44.0	21.9
12/07/03	249.0	15.0	18.0	45.0	21.2
12/08/03	255.0	15.0	19.0	45.0	21.6
12/09/03	258.0	14.0	20.0	45.0	22.0
12/10/03	258.0	15.0	20.0	49.0	21.7
12/11/03	253.0	15.0	23.0	51.0	20.1
12/12/03	257.0	15.0	22.0	51.0	18.1
12/13/03	259.0	15.0	21.0	52.0	18.2
12/14/03	334.0	36.0	38.0	65.0	18.0
12/15/03	540.0	59.0	57.0	78.0	23.4
12/16/03	759.0	59.0	60.0	88.0	40.9
12/17/03	911.0	167.0	169.0	174.0	58.3
12/18/03	1080.0	171.0	208.0	310.0	66.1
12/19/03	1060.0	172.0	200.0	342.0	66.3
12/20/03	918.0	167.0	152.0	320.0	29.2
12/21/03	828.0	180.0	124.0	297.0	26.7
12/22/03	777.0	197.0	112.0	291.0	22.2
12/23/03	728.0	199.0	98.0	269.0	28.2
12/24/03	671.0	187.0	88.0	242.0	19.8
12/25/03	613.0	164.0	75.0	223.0	31.9
12/26/03	562.0	140.0	65.0	208.0	35.8
12/27/03	521.0	119.0	58.0	195.0	24.8
12/28/03	494.0	103.0	52.0	179.0	28.2
12/29/03	476.0	90.0	48.0	162.0	33.6
12/30/03	444.0	79.0	46.0	155.0	34.5
12/31/03	416.0	69.0	43.0	145.0	31.5

Appendix I

Summary USGS Daily Gage Data

- Water Level
- Conductivity
- Temperature

Mean Daily Gage Heights at the Three USGS Monitoring Sites

DATE	Boca Grande	Harbour Heights	Peace River Heights
01JAN03	0.99	1.49	1.99
02JAN03	0.66	0.93	1.36
03JAN03	0.41	0.78	1.26
04JAN03	0.20	0.39	0.88
05JAN03	0.29	0.46	0.98
06JAN03	0.29	0.42	0.99
07JAN03	-0.10	-0.06	0.71
08JAN03	0.29	0.40	0.95
09JAN03	0.63	0.79	1.21
10JAN03	0.78	0.98	1.33
11JAN03	0.56	0.65	1.05
12JAN03	0.10	0.01	0.57
13JAN03	0.48	0.42	0.77
14JAN03	0.21	0.19	0.58
15JAN03	0.16	0.18	0.54
16JAN03	0.44	0.48	0.73
17JAN03	0.20	0.45	0.75
18JAN03	-0.08	0.00	0.25
19JAN03	-0.01	0.17	0.40
20JAN03	0.02	0.09	0.48
21JAN03	0.22	0.42	0.58
22JAN03	0.45	0.66	0.76
23JAN03	0.20	0.51	0.57
24JAN03	-0.76	-1.18	-0.87
25JAN03	-0.25	-0.45	-0.37
26JAN03	0.25	0.26	0.29
27JAN03	-0.25	-0.29	-0.21
28JAN03	-0.12	-0.21	-0.18
29JAN03	0.18	0.17	0.19
30JAN03	0.32	0.39	0.42
31JAN03	0.13	0.30	0.34
01FEB03	0.05	0.20	0.20
02FEB03	-0.00	-0.02	0.07
03FEB03	0.25	0.28	0.35
04FEB03	0.40	0.57	0.59
05FEB03	0.03	0.07	0.06
06FEB03	0.08	0.01	-0.06
07FEB03	0.34	0.44	0.37
08FEB03	-0.16	-0.45	-0.53
09FEB03	0.32	0.25	0.16
10FEB03	0.37	0.45	0.35
11FEB03	0.05	0.01	-0.07
12FEB03	-0.08	-0.13	-0.21
13FEB03	-0.05	-0.22	-0.30
14FEB03	0.09	-0.01	-0.08
15FEB03	0.39	0.50	0.48
16FEB03	0.57	0.70	0.70
17FEB03	0.37	0.60	0.60
18FEB03	0.13	0.28	0.27
19FEB03	0.30	0.33	0.29
20FEB03	0.35	0.36	0.29

21FEB03	0.70	0.75	0.67
22FEB03	1.26	1.62	1.56
23FEB03	0.48	0.64	0.66
24FEB03	0.20	0.03	-0.05
25FEB03	0.26	0.13	0.05
26FEB03	0.39	0.33	0.24
27FEB03	0.63	0.72	0.65
28FEB03	0.50	0.67	0.65
01MAR03	0.60	0.68	0.65
02MAR03	0.65	0.86	0.85
03MAR03	0.61	0.53	0.50
04MAR03	0.72	0.87	0.85
05MAR03	0.66	0.80	0.75
06MAR03	0.65	0.87	0.81
07MAR03	0.63	0.88	0.82
08MAR03	0.51	0.63	0.53
09MAR03	0.67	0.90	0.80
10MAR03	0.71	0.75	0.63
11MAR03	0.64	0.58	0.47
12MAR03	0.61	0.63	0.50
13MAR03	0.44	0.48	0.34
14MAR03	0.46	0.46	0.32
15MAR03	0.62	0.62	0.48
16MAR03	0.93	0.94	0.83
17MAR03	1.17	1.51	1.47
18MAR03	0.96	1.23	1.21
19MAR03	1.12	1.40	1.37
20MAR03	0.99	1.35	1.30
21MAR03	0.98	1.62	1.59
22MAR03	0.77	1.00	0.93
23MAR03	0.55	0.59	0.47
24MAR03	0.36	0.40	0.26
25MAR03	0.34	0.29	0.21
26MAR03	0.63	0.72	0.61
27MAR03	1.13	1.17	1.08
28MAR03	0.82	0.98	0.88
29MAR03	0.63	0.88	0.81
30MAR03	0.15	0.84	0.75
31MAR03	-0.75	-0.72	-0.77
01APR03	-0.20	-0.30	-0.41
02APR03	0.25	0.32	0.21
03APR03	0.33	0.47	0.35
04APR03	0.64	0.85	0.72
05APR03	0.67	0.93	0.82
06APR03	0.75	1.00	0.87
07APR03	0.85	1.00	1.02
08APR03	0.89	1.07	1.04
09APR03	1.11	1.40	1.36
10APR03	0.71	1.30	1.24
11APR03	0.56	0.81	0.70
12APR03	0.57	0.67	0.57
13APR03	0.56	0.73	0.67
14APR03	0.37	0.43	0.36
15APR03	0.38	0.35	0.28
16APR03	0.58	0.66	0.61
17APR03	0.77	0.93	0.89
18APR03	0.75	0.93	0.88

19APR03	0.76	0.81	0.74
20APR03	0.75	0.79	0.71
21APR03	0.80	0.92	0.84
22APR03	0.75	0.91	0.83
23APR03	0.62	0.65	0.52
24APR03	0.79	0.70	0.55
25APR03	1.17	1.29	1.16
26APR03	1.25	1.21	1.17
27APR03	1.10	1.22	1.21
28APR03	0.83	0.91	0.88
29APR03	0.80	0.88	0.83
30APR03	0.94	0.96	0.89
01MAY03	1.13	1.35	1.30
02MAY03	0.82	1.01	0.94
03MAY03	0.80	0.99	0.92
04MAY03	0.82	0.94	0.88
05MAY03	1.06	1.23	1.16
06MAY03	1.10	1.23	1.20
07MAY03	0.99	1.09	1.03
08MAY03	0.94	0.96	0.89
09MAY03	0.81	0.87	0.75
10MAY03	0.81	0.86	0.72
11MAY03	0.78	0.85	0.72
12MAY03	0.52	0.62	0.52
13MAY03	0.41	0.46	0.33
14MAY03	0.45	0.56	0.52
15MAY03	0.60	0.84	0.86
16MAY03	0.49	0.73	0.75
17MAY03	0.53	0.80	0.82
18MAY03	0.63	0.85	0.88
19MAY03	0.70	0.79	1.02
20MAY03	0.50	0.19	0.47
21MAY03	0.59	0.41	0.36
22MAY03	0.88	0.89	0.86
23MAY03	0.80	0.82	0.79
24MAY03	0.69	0.77	0.74
25MAY03	0.54	0.58	0.52
26MAY03	0.58	0.65	0.61
27MAY03	0.60	0.66	0.61
28MAY03	0.56	0.66	0.68
29MAY03	0.55	0.74	0.74
30MAY03	0.50	0.78	0.85
31MAY03	0.55	0.95	0.93
01JUN03	0.51	0.96	0.90
02JUN03	0.44	0.81	0.76
03JUN03	0.72	0.99	0.94
04JUN03	0.87	1.13	1.09
05JUN03	0.71	0.88	0.82
06JUN03	0.75	0.86	0.78
07JUN03	0.80	1.00	0.90
08JUN03	0.63	0.81	0.71
09JUN03	0.55	0.64	0.63
10JUN03	0.46	0.59	0.58
11JUN03	0.51	0.54	0.78
12JUN03	0.92	0.93	1.08
13JUN03	1.10	0.94	1.08
14JUN03	1.06	0.91	1.04

15JUN03	1.25	0.93	1.09
16JUN03	1.32	0.87	1.03
17JUN03	1.32	0.73	0.89
18JUN03	1.52	1.20	1.32
19JUN03	1.30	1.14	1.27
20JUN03	1.30	1.09	1.11
21JUN03	1.17	1.04	1.30
22JUN03	1.18	1.17	2.19
23JUN03	1.17	1.40	4.32
24JUN03	1.24	1.41	4.96
25JUN03	1.24	1.26	4.48
26JUN03	1.33	1.24	4.10
27JUN03	1.46	1.44	3.81
28JUN03	1.77	1.86	3.60
29JUN03	1.40	1.24	3.05
30JUN03	1.50	1.43	2.81
01JUL03	1.47	1.48	2.65
02JUL03	1.46	1.53	2.52
03JUL03	1.44	1.40	2.31
04JUL03	1.29	1.08	1.94
05JUL03	1.14	0.77	1.54
06JUL03	1.16	0.83	1.36
07JUL03	1.14	0.83	1.37
08JUL03	0.87	0.80	1.20
09JUL03	1.19	0.73	1.04
10JUL03	.	0.98	1.25
11JUL03	.	1.02	1.43
12JUL03	.	1.06	1.45
13JUL03	.	1.14	1.44
14JUL03	.	1.20	1.46
15JUL03	.	1.15	1.36
16JUL03	.	1.03	1.20
17JUL03	.	0.99	1.10
18JUL03	.	1.02	1.13
19JUL03	.	0.97	1.03
20JUL03	.	0.82	0.90
21JUL03	.	0.85	0.82
22JUL03	.	1.01	0.98
23JUL03	.	1.24	1.19
24JUL03	.	1.08	1.03
25JUL03	.	1.04	1.00
26JUL03	.	0.82	0.83
27JUL03	.	0.90	0.88
28JUL03	.	0.91	1.17
29JUL03	.	1.28	1.26
30JUL03	.	1.17	1.25
31JUL03	.	1.03	1.05
01AUG03	.	1.02	1.01
02AUG03	.	0.98	1.01
03AUG03	.	1.11	1.07
04AUG03	.	0.99	1.08
05AUG03	.	0.86	1.13
06AUG03	.	1.04	1.22
07AUG03	.	1.06	1.38
08AUG03	.	1.34	1.64
09AUG03	.	1.59	1.91
10AUG03	.	1.39	1.89

11AUG03	.	1.17	1.80
12AUG03	.	0.82	1.87
13AUG03	.	0.67	1.63
14AUG03	.	0.22	1.41
15AUG03	.	0.94	1.84
16AUG03	.	0.98	1.93
17AUG03	.	1.25	2.12
18AUG03	.	1.09	1.94
19AUG03	.	1.07	1.84
20AUG03	.	1.06	1.71
21AUG03	.	1.17	1.82
22AUG03	.	1.23	1.92
23AUG03	.	1.30	1.95
24AUG03	.	0.92	1.97
25AUG03	.	0.43	2.05
26AUG03	.	0.79	2.07
27AUG03	.	0.93	2.20
28AUG03	.	0.79	2.12
29AUG03	.	1.02	2.23
30AUG03	.	0.90	2.18
31AUG03	.	0.71	2.02
01SEP03	.	0.71	1.95
02SEP03	.	0.84	1.94
03SEP03	.	0.92	2.00
04SEP03	.	0.92	1.97
05SEP03	.	1.67	2.52
06SEP03	.	1.91	2.93
07SEP03	.	1.36	2.54
08SEP03	.	1.17	2.44
09SEP03	.	0.76	2.15
10SEP03	.	0.27	2.01
11SEP03	.	.	1.82
12SEP03	.	1.05	1.88
13SEP03	.	1.30	1.94
14SEP03	.	1.12	1.75
15SEP03	.	1.06	1.82
16SEP03	.	0.89	1.57
17SEP03	0.51	0.77	1.23
18SEP03	0.94	1.17	1.28
19SEP03	1.23	.	1.40
20SEP03	1.09	.	1.07
21SEP03	1.26	.	1.20
22SEP03	1.49	.	1.60
23SEP03	1.29	.	1.53
24SEP03	1.25	.	1.37
25SEP03	1.30	.	1.57
26SEP03	1.50	.	1.82
27SEP03	1.43	.	1.97
28SEP03	1.29	.	2.05
29SEP03	1.48	.	2.36
30SEP03	1.11	.	2.16
01OCT03	0.98	.	1.84
02OCT03	1.10	.	1.95
03OCT03	1.25	.	1.94
04OCT03	1.28	.	1.93
05OCT03	1.12	.	1.76
06OCT03	1.21	.	1.67

07OCT03	1.36	.	1.70
08OCT03	1.19	0.31	1.53
09OCT03	1.14	0.22	1.32
10OCT03	1.16	.	1.28
11OCT03	1.23	.	1.42
12OCT03	1.21	.	1.48
13OCT03	1.09	.	1.31
14OCT03	1.11	.	1.44
15OCT03	0.84	.	0.97
16OCT03	0.75	.	0.48
17OCT03	1.09	.	0.98
18OCT03	0.97	.	0.80
19OCT03	1.01	.	0.80
20OCT03	0.99	.	0.74
21OCT03	1.07	.	0.94
22OCT03	0.95	.	0.98
23OCT03	1.19	.	1.30
24OCT03	1.10	.	0.98
25OCT03	0.92	.	0.80
26OCT03	0.95	.	0.92
27OCT03	1.23	.	1.37
28OCT03	1.49	.	1.73
29OCT03	0.90	.	1.04
30OCT03	0.66	.	0.43
31OCT03	0.50	.	0.04
01NOV03	0.66	.	0.32
02NOV03	0.79	.	0.43
03NOV03	1.15	.	0.95
04NOV03	1.32	.	1.25
05NOV03	1.24	.	1.21
06NOV03	1.15	.	1.08
07NOV03	1.16	.	1.09
08NOV03	1.05	.	0.94
09NOV03	0.59	.	0.32
10NOV03	0.55	.	0.06
11NOV03	0.84	.	0.57
12NOV03	1.09	.	0.86
13NOV03	1.07	.	0.91
14NOV03	0.74	.	0.38
15NOV03	1.05	.	0.84
16NOV03	1.07	.	0.95
17NOV03	0.85	.	0.93
18NOV03	1.24	.	1.38
19NOV03	1.32	.	1.86
20NOV03	0.58	.	0.66
21NOV03	0.81	.	0.96
22NOV03	0.74	.	0.98
23NOV03	0.96	.	1.26
24NOV03	0.99	.	1.48
25NOV03	0.94	.	1.48
26NOV03	0.85	.	1.34
27NOV03	0.99	.	1.43
28NOV03	0.87	.	1.35
29NOV03	-0.23	.	-0.45
30NOV03	0.18	.	0.04
01DEC03	0.36	.	0.30
02DEC03	0.17	.	0.03

03DEC03	0.56	0.81	0.76
04DEC03	0.92	0.87	1.76
05DEC03	0.89	0.91	1.83
06DEC03	0.24	0.19	1.08
07DEC03	0.19	0.12	0.98
08DEC03	0.43	0.44	1.33
09DEC03	0.63	0.59	1.50
10DEC03	1.04	1.20	2.13
11DEC03	0.66	0.85	1.80
12DEC03	0.57	0.65	1.57
13DEC03	0.81	0.79	1.68
14DEC03	1.20	1.37	2.32
15DEC03	0.40	0.26	1.17
16DEC03	0.76	0.69	1.59
17DEC03	0.65	0.81	1.78
18DEC03	0.43	0.38	1.32
19DEC03	0.30	0.30	1.30
20DEC03	0.26	0.25	1.25
21DEC03	0.06	-0.02	0.97
22DEC03	0.22	0.21	1.19
23DEC03	0.66	0.79	1.81
24DEC03	0.73	1.01	2.06
25DEC03	0.50	0.63	1.65
26DEC03	0.31	0.32	1.28
27DEC03	0.46	0.38	1.31
28DEC03	0.65	0.53	1.43
29DEC03	0.85	0.84	1.75
30DEC03	0.85	0.85	1.74
31DEC03	0.65	0.63	1.54

Mean Daily Water Temperatures at the Two Peace River Continuous Recorders

	Harbor Heights		Peace River Heights	
DATE	Surface	Bottom	Surface	Bottom
01JAN03	17.50	17.41	17.50	17.41
02JAN03	17.79	17.71	17.79	17.71
03JAN03	17.91	17.89	17.91	17.89
04JAN03	16.55	16.54	16.55	16.54
05JAN03	15.95	15.93	15.95	15.93
06JAN03	15.62	15.57	15.62	15.57
07JAN03	14.57	14.96	14.57	14.96
08JAN03	14.07	14.03	14.07	14.03
09JAN03	14.27	14.22	14.27	14.22
10JAN03	14.77	14.69	14.77	14.69
11JAN03	15.75	15.66	15.75	15.66
12JAN03	15.32	15.31	15.32	15.31
13JAN03	15.12	15.05	15.12	15.05
14JAN03	15.72	15.70	15.72	15.70
15JAN03	14.64	14.61	14.64	14.61
16JAN03	14.84	14.84	14.84	14.84
17JAN03	15.34	15.34	15.34	15.34
18JAN03	13.17	13.16	13.17	13.16
19JAN03	12.91	12.89	12.91	12.89
20JAN03	13.33	13.30	13.33	13.30
21JAN03	13.87	13.85	13.87	13.85
22JAN03	14.63	14.60	14.63	14.60
23JAN03	14.96	14.92	14.96	14.92
24JAN03	11.08	11.07	11.08	11.07
25JAN03	11.37	11.36	11.37	11.36
26JAN03	13.22	13.23	13.22	13.23
27JAN03	13.73	13.72	13.73	13.72
28JAN03	13.56	13.54	13.56	13.54
29JAN03	15.07	15.08	15.07	15.08
30JAN03	16.48	16.48	16.48	16.48
31JAN03	17.55	17.55	17.55	17.55
01FEB03	17.91	17.89	17.91	17.89
02FEB03	17.35	17.32	17.35	17.32
03FEB03	18.03	18.01	18.03	18.01
04FEB03	19.12	19.11	19.12	19.11
05FEB03	19.84	19.79	19.84	19.79
06FEB03	19.38	19.32	19.38	19.32
07FEB03	20.51	20.46	20.51	20.46
08FEB03	20.03	20.03	20.03	20.03
09FEB03	19.63	19.52	19.63	19.52
10FEB03	20.06	20.04	20.06	20.04
11FEB03	19.96	19.76	19.96	19.76
12FEB03	19.24	19.20	19.24	19.20
13FEB03	18.54	18.54	18.54	18.54
14FEB03	18.66	18.71	18.66	18.71
15FEB03	20.18	20.20	20.18	20.20
16FEB03	21.69	21.71	21.69	21.71
17FEB03	21.81	21.82	21.81	21.82

18FEB03	21.48	21.50	21.48	21.50
19FEB03	21.57	21.58	21.57	21.58
20FEB03	22.23	22.24	22.23	22.24
21FEB03	23.19	23.19	23.19	23.19
22FEB03	23.73	23.73	23.73	23.73
23FEB03	23.24	23.24	23.24	23.24
24FEB03	22.32	22.32	22.32	22.32
25FEB03	22.41	22.14	22.41	22.14
26FEB03	22.99	22.85	22.99	22.85
27FEB03	23.82	23.80	23.82	23.80
28FEB03	24.76	24.74	24.76	24.74
01MAR03	25.35	25.35	25.35	25.35
02MAR03	25.99	25.99	25.99	25.99
03MAR03	25.76	25.78	25.76	25.78
04MAR03	25.77	25.82	25.77	25.82
05MAR03	26.08	26.08	26.08	26.08
06MAR03	26.56	26.54	26.56	26.54
07MAR03	26.89	26.88	26.89	26.88
08MAR03	27.09	27.03	27.09	27.03
09MAR03	27.16	27.13	27.16	27.13
10MAR03	26.77	26.77	26.77	26.77
11MAR03	25.89	25.84	25.89	25.84
12MAR03	25.69	25.58	25.69	25.58
13MAR03	25.91	25.92	25.91	25.92
14MAR03	26.41	26.41	26.41	26.41
15MAR03	26.87	26.85	26.87	26.85
16MAR03	26.83	26.93	26.83	26.93
17MAR03	26.35	26.36	26.35	26.36
18MAR03	26.24	26.24	26.24	26.24
19MAR03	26.82	26.81	26.82	26.81
20MAR03	27.38	27.38	27.38	27.38
21MAR03	27.44	27.44	27.44	27.44
22MAR03	27.15	27.14	27.15	27.14
23MAR03	25.86	25.86	25.86	25.86
24MAR03	24.95	24.94	24.95	24.94
25MAR03	24.36	24.33	24.36	24.33
26MAR03	24.80	24.76	24.80	24.76
27MAR03	24.42	24.44	24.42	24.44
28MAR03	23.82	23.81	23.82	23.81
29MAR03	24.65	24.64	24.65	24.64
30MAR03	24.03	24.04	24.03	24.04
31MAR03	19.98	19.98	19.98	19.98
01APR03	19.37	19.37	19.37	19.37
02APR03	20.61	20.60	20.61	20.60
03APR03	21.67	21.66	21.67	21.66
04APR03	22.26	22.26	22.26	22.26
05APR03	23.75	23.73	23.75	23.73
06APR03	24.87	24.84	24.87	24.84
07APR03	25.60	25.60	25.60	25.60
08APR03	26.38	26.35	26.38	26.35
09APR03	26.57	26.57	26.57	26.57
10APR03	24.57	24.63	24.57	24.63
11APR03	22.89	22.80	22.89	22.80
12APR03	22.90	22.81	22.90	22.81
13APR03	23.76	23.64	23.76	23.64
14APR03	24.59	24.51	24.59	24.51
15APR03	24.66	24.62	24.66	24.62

16APR03	24.89	24.85	24.89	24.85
17APR03	25.76	25.66	25.76	25.66
18APR03	26.51	26.46	26.51	26.46
19APR03	26.88	26.81	26.88	26.81
20APR03	26.74	26.60	26.74	26.60
21APR03	26.66	26.43	26.66	26.43
22APR03	26.93	26.84	26.93	26.84
23APR03	27.09	26.85	27.09	26.85
24APR03	26.05	25.91	26.05	25.91
25APR03	26.28	26.27	26.28	26.27
26APR03	24.63	24.66	24.63	24.66
27APR03	24.59	24.52	24.59	24.52
28APR03	25.39	25.31	25.39	25.31
29APR03	25.89	25.84	25.89	25.84
30APR03	25.86	25.88	25.86	25.88
01MAY03	26.18	26.13	26.18	26.13
02MAY03	27.02	27.00	27.02	27.00
03MAY03	27.80	27.73	27.80	27.73
04MAY03	28.50	28.39	28.50	28.39
05MAY03	29.09	28.99	29.09	28.99
06MAY03	29.06	29.04	29.06	29.04
07MAY03	29.30	29.27	29.30	29.27
08MAY03	29.60	29.41	29.60	29.41
09MAY03	30.50	30.22	30.50	30.22
10MAY03	30.66	30.51	30.66	30.51
11MAY03	30.88	30.78	30.88	30.78
12MAY03	31.28	31.22	31.28	31.22
13MAY03	31.35	31.26	31.35	31.26
14MAY03	30.49	30.51	30.49	30.51
15MAY03	30.05	30.03	30.05	30.03
16MAY03	30.65	30.63	30.65	30.63
17MAY03	30.82	30.73	30.82	30.73
18MAY03	30.51	30.42	30.51	30.42
19MAY03	30.37	30.32	30.37	30.32
20MAY03	29.72	29.58	29.72	29.58
21MAY03	29.27	29.31	29.27	29.31
22MAY03	28.72	28.69	28.72	28.69
23MAY03	27.87	28.01	27.87	28.01
24MAY03	27.77	27.67	27.77	27.67
25MAY03	28.92	28.78	28.92	28.78
26MAY03	29.88	29.76	29.88	29.76
27MAY03	30.26	30.13	30.26	30.13
28MAY03	29.73	29.73	29.73	29.73
29MAY03	29.33	29.29	29.33	29.29
30MAY03	28.85	28.79	28.85	28.79
31MAY03	28.71	28.67	28.71	28.67
01JUN03	28.99	28.90	28.99	28.90
02JUN03	29.51	29.42	29.51	29.42
03JUN03	29.46	29.39	29.46	29.39
04JUN03	28.77	28.75	28.77	28.75
05JUN03	28.83	28.65	28.83	28.65
06JUN03	28.66	28.77	28.66	28.77
07JUN03	29.42	29.19	29.42	29.19
08JUN03	30.25	30.11	30.25	30.11
09JUN03	30.19	30.17	30.19	30.17
10JUN03	30.22	30.03	30.22	30.03
11JUN03	30.58	30.43	30.58	30.43

12JUN03	29.90	29.88	29.90	29.88
13JUN03	29.64	29.51	29.64	29.51
14JUN03	29.87	29.61	29.87	29.61
15JUN03	29.77	29.67	29.77	29.67
16JUN03	29.30	29.24	29.30	29.24
17JUN03	29.19	29.16	29.19	29.16
18JUN03	28.74	28.75	28.74	28.75
19JUN03	28.21	28.02	28.21	28.02
20JUN03	28.39	28.28	28.39	28.28
21JUN03	27.24	27.23	27.24	27.23
22JUN03	25.71	25.67	25.71	25.67
23JUN03	24.84	24.82	24.84	24.82
24JUN03	25.50	25.42	25.50	25.42
25JUN03	26.48	26.37	26.48	26.37
26JUN03	27.13	26.99	27.13	26.99
27JUN03	27.38	27.30	27.38	27.30
28JUN03	27.00	26.97	27.00	26.97
29JUN03	27.59	27.54	27.59	27.54
30JUN03	28.13	28.02	28.13	28.02
01JUL03	28.46	28.32	28.46	28.32
02JUL03	28.62	28.46	28.62	28.46
03JUL03	28.43	28.27	28.43	28.27
04JUL03	28.58	28.48	28.58	28.48
05JUL03	28.34	28.31	28.34	28.31
06JUL03	28.68	28.66	28.68	28.66
07JUL03	29.35	29.22	29.35	29.22
08JUL03	29.65	29.52	29.65	29.52
09JUL03	30.08	29.80	30.08	29.80
10JUL03	30.30	30.11	30.30	30.11
11JUL03	30.35	30.31	30.35	30.31
12JUL03	30.11	30.11	30.11	30.11
13JUL03	29.13	29.12	29.13	29.12
14JUL03	28.73	28.72	28.73	28.72
15JUL03	28.99	28.98	28.99	28.98
16JUL03	28.91	28.89	28.91	28.89
17JUL03	29.04	28.98	29.04	28.98
18JUL03	29.85	29.78	29.85	29.78
19JUL03	29.79	29.68	29.79	29.68
20JUL03	29.95	29.81	29.95	29.81
21JUL03	30.60	30.41	30.60	30.41
22JUL03	30.83	30.73	30.83	30.73
23JUL03	30.86	30.77	30.86	30.77
24JUL03	30.26	30.14	30.26	30.14
25JUL03	29.80	29.61	29.80	29.61
26JUL03	29.39	29.31	29.39	29.31
27JUL03	29.52	29.46	29.52	29.46
28JUL03	29.78	29.77	29.78	29.77
29JUL03	29.67	29.67	29.67	29.67
30JUL03	29.54	29.53	29.54	29.53
31JUL03	29.28	29.28	29.28	29.28
01AUG03	29.24	29.23	29.24	29.23
02AUG03	29.27	29.24	29.27	29.24
03AUG03	29.21	29.19	29.21	29.19
04AUG03	29.58	29.54	29.58	29.54
05AUG03	29.53	29.51	29.53	29.51
06AUG03	29.11	29.00	29.11	29.00
07AUG03	28.85	28.85	28.85	28.85

08AUG03	28.10	28.11	28.10	28.11
09AUG03	27.47	27.46	27.47	27.46
10AUG03	26.30	26.30	26.30	26.30
11AUG03	26.21	26.16	26.21	26.16
12AUG03	27.16	26.79	27.16	26.79
13AUG03	27.84	27.80	27.84	27.80
14AUG03	27.04	27.04	27.04	27.04
15AUG03	28.00	27.93	28.00	27.93
16AUG03	28.17	28.02	28.17	28.02
17AUG03	28.10	27.96	28.10	27.96
18AUG03	28.17	28.07	28.17	28.07
19AUG03	27.89	27.78	27.89	27.78
20AUG03	27.59	27.45	27.59	27.45
21AUG03	27.46	27.39	27.46	27.39
22AUG03	26.98	26.93	26.98	26.93
23AUG03	26.92	26.84	26.92	26.84
24AUG03	27.20	27.09	27.20	27.09
25AUG03	27.62	27.53	27.62	27.53
26AUG03	27.58	27.56	27.58	27.56
27AUG03	28.26	28.21	28.26	28.21
28AUG03	27.57	27.57	27.57	27.57
29AUG03	27.88	27.75	27.88	27.75
30AUG03	28.40	28.35	28.40	28.35
31AUG03	28.87	28.86	28.87	28.86
01SEP03	28.84	28.81	28.84	28.81
02SEP03	28.59	28.54	28.59	28.54
03SEP03	28.85	28.69	28.85	28.69
04SEP03	28.46	28.42	28.46	28.42
05SEP03	27.01	27.01	27.01	27.01
06SEP03	26.79	26.71	26.79	26.71
07SEP03	27.57	27.45	27.57	27.45
08SEP03	27.99	27.90	27.99	27.90
09SEP03	28.16	27.99	28.16	27.99
10SEP03	27.70	27.70	27.70	27.70
11SEP03	.	.	.	.
12SEP03	28.31	28.16	28.31	28.16
13SEP03	28.02	27.98	28.02	27.98
14SEP03	27.98	27.89	27.98	27.89
15SEP03	28.33	28.24	28.33	28.24
16SEP03	28.14	28.11	28.14	28.11
17SEP03	28.10	28.06	28.10	28.06
18SEP03	27.38	27.38	27.38	27.38
19SEP03	.	.	.	.
20SEP03	.	.	.	.
21SEP03	.	.	.	.
22SEP03	.	.	.	.
23SEP03	.	.	.	.
24SEP03	.	.	.	.
25SEP03	.	.	.	.
26SEP03	.	.	.	.
27SEP03	.	.	.	.
28SEP03	.	.	.	.
29SEP03	.	.	.	.
30SEP03	.	.	.	.
01OCT03	.	.	.	.
02OCT03	.	.	.	.
03OCT03	.	.	.	.

04OCT03	.	.	.	.
05OCT03	.	.	.	.
06OCT03	.	.	.	.
07OCT03	.	.	.	.
08OCT03	27.00	27.00	27.00	27.00
09OCT03	27.38	.	27.38	.
10OCT03	27.21	.	27.21	.
11OCT03	27.19	.	27.19	.
12OCT03	27.75	.	27.75	.
13OCT03	28.16	.	28.16	.
14OCT03	28.40	.	28.40	.
15OCT03	28.03	.	28.03	.
16OCT03	26.47	.	26.47	.
17OCT03	26.70	.	26.70	.
18OCT03	26.97	.	26.97	.
19OCT03	26.76	.	26.76	.
20OCT03	26.61	26.98	26.61	26.98
21OCT03	26.29	26.25	26.29	26.25
22OCT03	26.08	25.98	26.08	25.98
23OCT03	26.12	25.94	26.12	25.94
24OCT03	25.74	25.65	25.74	25.65
25OCT03	25.54	25.49	25.54	25.49
26OCT03	26.06	26.05	26.06	26.05
27OCT03	26.81	26.75	26.81	26.75
28OCT03	26.70	26.67	26.70	26.67
29OCT03	26.09	26.11	26.09	26.11
30OCT03	25.13	25.16	25.13	25.16
31OCT03	25.11	25.04	25.11	25.04
01NOV03	24.87	24.85	24.87	24.85
02NOV03	24.76	24.75	24.76	24.75
03NOV03	24.48	24.39	24.48	24.39
04NOV03	24.83	24.70	24.83	24.70
05NOV03	25.45	25.29	25.45	25.29
06NOV03	25.89	25.76	25.89	25.76
07NOV03	26.16	26.01	26.16	26.01
08NOV03	26.52	26.44	26.52	26.44
09NOV03	26.22	26.19	26.22	26.19
10NOV03	25.33	25.25	25.33	25.25
11NOV03	25.30	25.38	25.30	25.38
12NOV03	25.31	25.47	25.31	25.47
13NOV03	25.54	25.66	25.54	25.66
14NOV03	24.24	24.26	24.24	24.26
15NOV03	24.11	24.24	24.11	24.24
16NOV03	24.21	24.41	24.21	24.41
17NOV03	24.33	24.40	24.33	24.40
18NOV03	24.48	24.38	24.48	24.38
19NOV03	24.09	24.04	24.09	24.04
20NOV03	22.69	22.60	22.69	22.60
21NOV03	22.14	22.03	22.14	22.03
22NOV03	21.98	21.91	21.98	21.91
23NOV03	22.17	22.11	22.17	22.11
24NOV03	22.64	22.56	22.64	22.56
25NOV03	23.30	23.21	23.30	23.21
26NOV03	23.81	23.85	23.81	23.85
27NOV03	24.16	24.23	24.16	24.23
28NOV03	24.41	24.49	24.41	24.49
29NOV03	20.19	20.07	20.19	20.07

30NOV03	18.23	18.13	18.23	18.13
01DEC03	18.89	18.83	18.89	18.83
02DEC03	18.80	18.74	18.80	18.74
03DEC03	18.65	18.54	18.65	18.54
04DEC03	19.34	19.19	19.34	19.19
05DEC03	20.20	20.10	20.20	20.10
06DEC03	18.93	18.91	18.93	18.91
07DEC03	16.79	16.79	16.79	16.79
08DEC03	17.30	17.27	17.30	17.27
09DEC03	18.50	18.47	18.50	18.47
10DEC03	19.13	19.02	19.13	19.02
11DEC03	18.91	18.94	18.91	18.94
12DEC03	18.37	18.58	18.37	18.58
13DEC03	18.84	18.92	18.84	18.92
14DEC03	19.50	19.38	19.50	19.38
15DEC03	18.67	18.62	18.67	18.62
16DEC03	18.40	18.33	18.40	18.33
17DEC03	18.93	18.85	18.93	18.85
18DEC03	17.01	16.95	17.01	16.95
19DEC03	16.47	16.44	16.47	16.44
20DEC03	15.38	15.34	15.38	15.34
21DEC03	13.94	13.85	13.94	13.85
22DEC03	14.82	14.73	14.82	14.73
23DEC03	16.49	16.39	16.49	16.39
24DEC03	17.44	17.34	17.44	17.34
25DEC03	17.25	17.14	17.25	17.14
26DEC03	17.03	16.93	17.03	16.93
27DEC03	17.48	17.37	17.48	17.37
28DEC03	17.91	17.80	17.91	17.80
29DEC03	18.59	18.48	18.59	18.48
30DEC03	19.04	18.93	19.04	18.93
31DEC03	19.61	19.50	19.61	19.50

Mean Daily Conductivities at the Two Peace River Continuous Recorders

	Harbor Heights		Peace River Heights	
DATE	Surface	Bottom	Surface	Bottom
01JAN03	1207	1366	238	242
02JAN03	330	334	250	255
03JAN03	319	320	255	253
04JAN03	305	311	237	235
05JAN03	289	289	225	225
06JAN03	273	273	220	223
07JAN03	269	284	.	225
08JAN03	258	260	225	228
09JAN03	252	251	228	231
10JAN03	251	250	231	234
11JAN03	260	259	232	235
12JAN03	275	275	233	236
13JAN03	279	279	235	238
14JAN03	359	358	239	242
15JAN03	310	311	241	244
16JAN03	734	776	243	246
17JAN03	870	928	246	250
18JAN03	338	338	250	253
19JAN03	330	329	255	259
20JAN03	334	333	264	267
21JAN03	340	338	272	275
22JAN03	341	340	276	280
23JAN03	326	325	282	285
24JAN03	369	369	291	295
25JAN03	647	645	308	312
26JAN03	2393	2408	339	343
27JAN03	1561	1561	357	361
28JAN03	1210	1217	362	367
29JAN03	3925	3881	364	369
30JAN03	6867	6960	364	368
31JAN03	6385	6427	370	374
01FEB03	4600	4671	374	378
02FEB03	3182	3209	377	382
03FEB03	3407	3431	379	383
04FEB03	4085	4114	381	386
05FEB03	1852	1882	383	388
06FEB03	2773	3009	381	385
07FEB03	3979	4348	381	385
08FEB03	1616	1673	385	389
09FEB03	5020	5394	387	391
10FEB03	7454	7528	390	394
11FEB03	5680	6411	393	397
12FEB03	5862	6317	392	396
13FEB03	6695	7200	392	396
14FEB03	9930	10901	392	396
15FEB03	14419	15006	393	397
16FEB03	14196	14474	405	409

17FEB03	12020	12158	413	417
18FEB03	8479	8390	410	414
19FEB03	7052	7047	410	413
20FEB03	6444	6422	406	409
21FEB03	8010	8070	407	410
22FEB03	14437	14466	440	441
23FEB03	5845	6072	411	414
24FEB03	2963	3424	413	417
25FEB03	6488	7563	407	410
26FEB03	9403	10221	394	398
27FEB03	11317	12067	395	398
28FEB03	10312	10719	398	401
01MAR03	8112	8616	399	402
02MAR03	8402	8834	399	402
03MAR03	5909	6052	395	399
04MAR03	6131	6732	388	392
05MAR03	4830	5092	373	376
06MAR03	4132	4184	376	379
07MAR03	3586	3618	382	386
08MAR03	2437	2455	385	389
09MAR03	4290	4326	388	391
10MAR03	2145	2213	382	385
11MAR03	3713	3845	381	386
12MAR03	4770	5706	387	391
13MAR03	6510	6541	389	392
14MAR03	6414	6820	390	392
15MAR03	6595	7307	388	390
16MAR03	9154	9705	390	392
17MAR03	11300	11494	382	385
18MAR03	7910	8149	381	383
19MAR03	7687	7941	398	402
20MAR03	6046	6169	389	392
21MAR03	6792	6964	372	375
22MAR03	2521	2536	385	388
23MAR03	1312	1312	373	376
24MAR03	1162	1176	352	355
25MAR03	2183	2288	336	338
26MAR03	5400	5618	313	315
27MAR03	6112	6244	319	321
28MAR03	4127	4237	323	325
29MAR03	2769	2808	329	331
30MAR03	1489	1493	323	326
31MAR03	764	747	320	321
01APR03	593	572	318	320
02APR03	1253	1255	317	319
03APR03	2940	2972	318	319
04APR03	6370	6259	321	324
05APR03	5741	5723	324	326
06APR03	5425	5492	329	331
07APR03	6344	6358	338	340
08APR03	6738	7429	347	350
09APR03	7831	8684	347	349
10APR03	4142	5102	350	352
11APR03	3795	4363	349	351
12APR03	4861	4875	352	356
13APR03	4243	4629	361	365
14APR03	2957	3326	373	374

15APR03	3599	4127	381	384
16APR03	7500	9004	389	392
17APR03	9438	10732	395	400
18APR03	10135	11239	409	413
19APR03	8807	10029	422	419
20APR03	9158	10614	435	429
21APR03	12123	13459	484	482
22APR03	12226	12945	472	468
23APR03	9478	10744	455	448
24APR03	13468	13635	485	476
25APR03	15443	16246	897	929
26APR03	11440	11604	452	451
27APR03	8903	9224	436	435
28APR03	4608	4945	450	446
29APR03	2911	3121	420	420
30APR03	3024	3355	453	445
01MAY03	6598	7564	473	466
02MAY03	4545	5047	470	463
03MAY03	4112	4696	474	466
04MAY03	4216	4765	468	460
05MAY03	5611	6455	465	456
06MAY03	6185	6715	458	449
07MAY03	5332	5773	449	441
08MAY03	4938	5489	442	433
09MAY03	4396	4836	435	425
10MAY03	4930	5436	436	425
11MAY03	5682	6234	439	428
12MAY03	5258	5623	448	437
13MAY03	4697	5087	465	453
14MAY03	5794	6096	482	470
15MAY03	9061	9552	503	489
16MAY03	8889	9275	524	512
17MAY03	9689	10328	560	549
18MAY03	9725	10218	597	592
19MAY03	9363	9786	609	601
20MAY03	4261	4653	527	515
21MAY03	4400	4969	522	508
22MAY03	10221	10884	544	531
23MAY03	7050	7727	505	495
24MAY03	5459	5888	467	456
25MAY03	3597	3818	485	473
26MAY03	3215	3444	498	487
27MAY03	2669	2937	457	446
28MAY03	2261	2508	410	406
29MAY03	2742	3069	389	393
30MAY03	2982	3199	375	376
31MAY03	3038	3249	368	369
01JUN03	2575	2742	366	366
02JUN03	2235	2374	373	373
03JUN03	2781	3304	381	384
04JUN03	4262	4534	390	394
05JUN03	2553	3036	412	400
06JUN03	3647	3707	430	416
07JUN03	4593	5359	449	435
08JUN03	3739	4252	471	456
09JUN03	2959	3157	429	419
10JUN03	1283	1372	314	313

11JUN03	841	890	254	255
12JUN03	988	1104	245	244
13JUN03	488	473	251	249
14JUN03	417	402	250	248
15JUN03	512	582	251	249
16JUN03	397	397	251	249
17JUN03	401	394	257	255
18JUN03	937	1414	267	266
19JUN03	379	367	274	273
20JUN03	349	336	287	286
21JUN03	337	324	263	259
22JUN03	246	234	183	180
23JUN03	166	162	110	110
24JUN03	136	130	87	87
25JUN03	137	129	93	93
26JUN03	138	131	101	101
27JUN03	145	139	111	109
28JUN03	156	152	128	126
29JUN03	174	169	149	147
30JUN03	187	181	166	164
01JUL03	205	197	182	179
02JUL03	216	208	194	192
03JUL03	227	216	206	204
04JUL03	242	231	218	216
05JUL03	250	239	224	223
06JUL03	262	250	232	230
07JUL03	267	255	239	238
08JUL03	278	264	244	243
09JUL03	283	272	246	245
10JUL03	290	277	248	245
11JUL03	298	283	250	248
12JUL03	300	285	254	253
13JUL03	306	290	261	261
14JUL03	284	270	285	285
15JUL03	300	285	300	300
16JUL03	308	294	303	302
17JUL03	328	313	300	300
18JUL03	347	331	296	296
19JUL03	341	325	291	291
20JUL03	337	321	293	293
21JUL03	335	317	292	292
22JUL03	340	324	295	295
23JUL03	342	327	295	295
24JUL03	348	334	293	293
25JUL03	355	337	281	281
26JUL03	357	340	264	264
27JUL03	352	335	245	245
28JUL03	590	590	256	256
29JUL03	599	588	258	258
30JUL03	391	379	259	257
31JUL03	333	318	262	260
01AUG03	321	307	261	259
02AUG03	308	294	269	267
03AUG03	303	289	274	273
04AUG03	308	294	259	257
05AUG03	308	293	235	234
06AUG03	283	270	239	237

07AUG03	279	267	235	233
08AUG03	280	269	241	240
09AUG03	278	267	240	240
10AUG03	269	256	220	220
11AUG03	248	237	222	222
12AUG03	249	237	223	223
13AUG03	246	239	216	215
14AUG03	240	232	209	206
15AUG03	233	224	204	202
16AUG03	236	225	202	200
17AUG03	224	212	202	200
18AUG03	226	215	209	206
19AUG03	230	220	215	212
20AUG03	233	223	215	212
21AUG03	232	222	209	206
22AUG03	230	221	208	205
23AUG03	232	223	209	207
24AUG03	234	226	201	198
25AUG03	223	215	191	191
26AUG03	212	205	191	191
27AUG03	217	209	189	190
28AUG03	211	203	182	182
29AUG03	204	198	181	181
30AUG03	206	200	190	184
31AUG03	210	204	188	187
01SEP03	214	206	192	191
02SEP03	221	212	199	198
03SEP03	227	217	204	202
04SEP03	229	220	206	204
05SEP03	215	207	207	206
06SEP03	199	193	193	192
07SEP03	198	191	191	190
08SEP03	205	197	189	187
09SEP03	207	199	185	183
10SEP03	204	196	184	182
11SEP03	.	.	188	186
12SEP03	208	205	195	192
13SEP03	215	209	201	198
14SEP03	225	215	196	192
15SEP03	215	204	177	175
16SEP03	206	197	196	192
17SEP03	225	215	213	211
18SEP03	230	221	224	222
19SEP03	.	.	234	232
20SEP03	.	.	246	245
21SEP03	.	.	261	260
22SEP03	.	.	276	273
23SEP03	.	.	286	282
24SEP03	.	.	302	297
25SEP03	.	.	305	300
26SEP03	.	.	281	277
27SEP03	.	.	243	238
28SEP03	.	.	193	190
29SEP03	.	.	187	183
30SEP03	.	.	195	192
01OCT03	.	.	200	196
02OCT03	.	.	192	188

03OCT03	.	.	192	188
04OCT03	.	.	196	191
05OCT03	.	.	197	196
06OCT03	.	.	206	203
07OCT03	.	.	194	210
08OCT03	260	250	206	219
09OCT03	251	.	236	232
10OCT03	483	.	249	245
11OCT03	1023	.	264	260
12OCT03	1187	.	274	270
13OCT03	577	.	289	285
14OCT03	678	.	302	298
15OCT03	494	.	312	308
16OCT03	542	.	318	315
17OCT03	2037	.	324	320
18OCT03	3015	.	324	321
19OCT03	3789	.	323	320
20OCT03	5326	4815	323	322
21OCT03	7935	8896	325	325
22OCT03	8822	9100	333	331
23OCT03	9829	10000	342	340
24OCT03	6396	6543	350	348
25OCT03	6260	6370	356	353
26OCT03	7248	7676	362	360
27OCT03	11160	11147	371	368
28OCT03	13927	13694	408	405
29OCT03	9382	9193	406	401
30OCT03	5976	6048	409	408
31OCT03	5093	4939	419	417
01NOV03	6734	6706	417	415
02NOV03	7773	8053	414	412
03NOV03	11099	11352	415	415
04NOV03	12742	12663	427	423
05NOV03	11560	11726	433	425
06NOV03	9911	10012	437	432
07NOV03	8509	8880	441	433
08NOV03	7213	7846	449	437
09NOV03	5245	5676	454	437
10NOV03	4650	4559	446	429
11NOV03	6990	8298	447	429
12NOV03	9609	10997	441	425
13NOV03	10993	12828	440	422
14NOV03	9028	9384	442	432
15NOV03	11528	12937	445	433
16NOV03	12944	15257	446	438
17NOV03	12442	14468	445	443
18NOV03	17038	17488	446	436
19NOV03	20630	20679	512	549
20NOV03	12145	11993	450	446
21NOV03	13088	13460	459	450
22NOV03	13333	13823	468	459
23NOV03	14831	15446	486	492
24NOV03	16986	17353	562	593
25NOV03	16695	16966	699	706
26NOV03	15194	15955	659	653
27NOV03	15406	16268	668	666
28NOV03	14967	15840	630	597

29NOV03	9784	9670	499	492
30NOV03	8821	9052	508	500
01DEC03	10791	11218	509	498
02DEC03	11571	11610	503	494
03DEC03	14646	15184	477	484
04DEC03	18880	20995	510	527
05DEC03	19583	21585	594	622
06DEC03	15261	17578	517	528
07DEC03	15567	16010	518	530
08DEC03	15526	17391	536	551
09DEC03	17670	19245	568	590
10DEC03	22100	24431	780	838
11DEC03	15400	21948	718	759
12DEC03	17245	19170	571	592
13DEC03	17564	19647	567	587
14DEC03	20427	22920	770	851
15DEC03	12247	13142	485	496
16DEC03	11364	13109	470	488
17DEC03	10309	11383	427	446
18DEC03	5022	6218	420	438
19DEC03	3673	4342	411	428
20DEC03	2206	2618	396	413
21DEC03	2033	2302	390	407
22DEC03	3783	4049	382	399
23DEC03	9431	9817	377	393
24DEC03	10272	10598	374	391
25DEC03	6262	6493	370	385
26DEC03	4434	4672	372	387
27DEC03	6524	6809	378	393
28DEC03	9978	10272	382	399
29DEC03	13850	14155	387	404
30DEC03	13494	13724	393	411
31DEC03	11390	11690	399	415