APPENDICES
DATA REPORT JANUARY 1994 - DECEMBER 1994
OF THE LOWER PEACE RIVER
AND CHARLOTTE HARBOR

as per

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
CONSUMPTIVE USE PERMIT 2010420.01

for the

PEACE RIVER REGIONAL WATER SUPPLY FACILITY

PEACE RIVER / MANASOTA REGIONAL
WATER SUPPLY AUTHORITY

by

ENVIRONMENTAL QUALITY LABORATORY, INC.
1009 Tamiami Trail
Port Charlotte, Florida 33953

July, 1995

APPENDIX A

COMPLETE ANALYSIS OF WATER COLUMN LIGHT PROFILES

LIGHT PROFILE ANALYSES - FOR JANUARY 12, 1994

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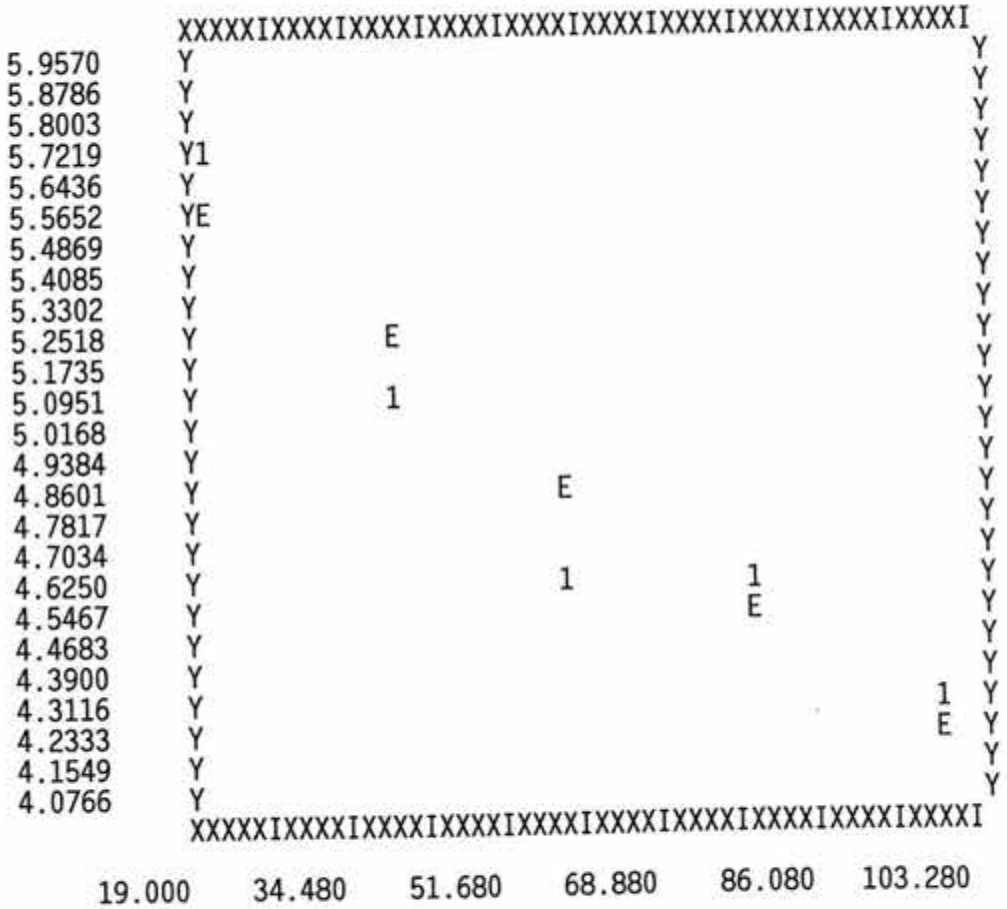
STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.82469	-0.01616	0.95113	0.90464

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	290.	5.67332	5.50149
2	40.	160.	5.08140	5.17829
3	60.	100.	4.61512	4.85509
4	80.	100.	4.61512	4.53188
5	100.	72.	4.29046	4.20868



LIGHT PROFILE ANALYSES - FOR JANUARY 12, 1994

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STATION 0 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.89	2.43

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	490.	1.0000
10	405.	0.8275
20	335.	0.6847
30	278.	0.5666
40	230.	0.4688
50	190.	0.3879
60	157.	0.3210
80	108.	0.2198
100	74.	0.1505
200	11.	0.0226

LIGHT PROFILE ANALYSES - FOR JANUARY 12, 1994

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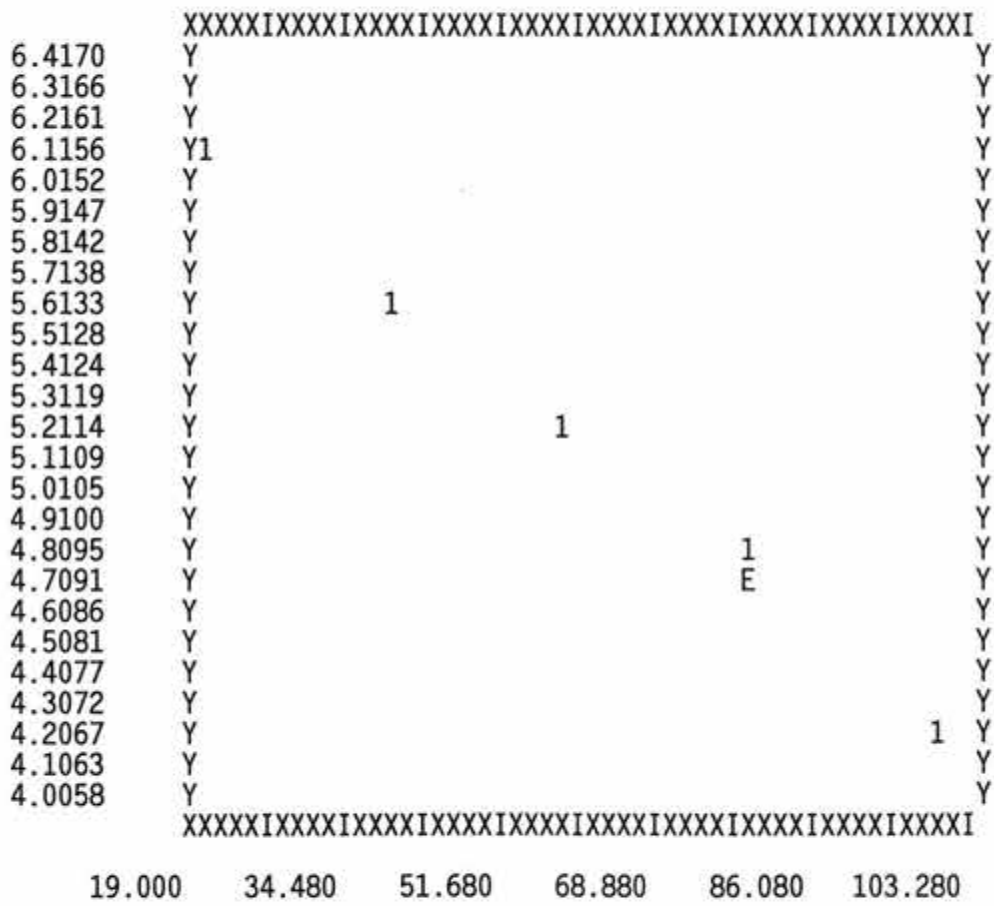
STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.58446	-0.02428	0.99802	0.99603

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	450.	6.11147	6.09885
2	40.	260.	5.56452	5.61323
3	60.	170.	5.14166	5.12761
4	80.	110.	4.70953	4.64199
5	100.	60.	4.11087	4.15638



LIGHT PROFILE ANALYSES - FOR JANUARY 12, 1994

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STATION 6 o/oo

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

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	820.	1.0000
10	639.	0.7798
20	499.	0.6081
30	389.	0.4742
40	303.	0.3697
50	236.	0.2883
60	184.	0.2248
80	112.	0.1367
100	68.	0.0831
200	6.	0.0069

LIGHT PROFILE ANALYSES - FOR JANUARY 12, 1994

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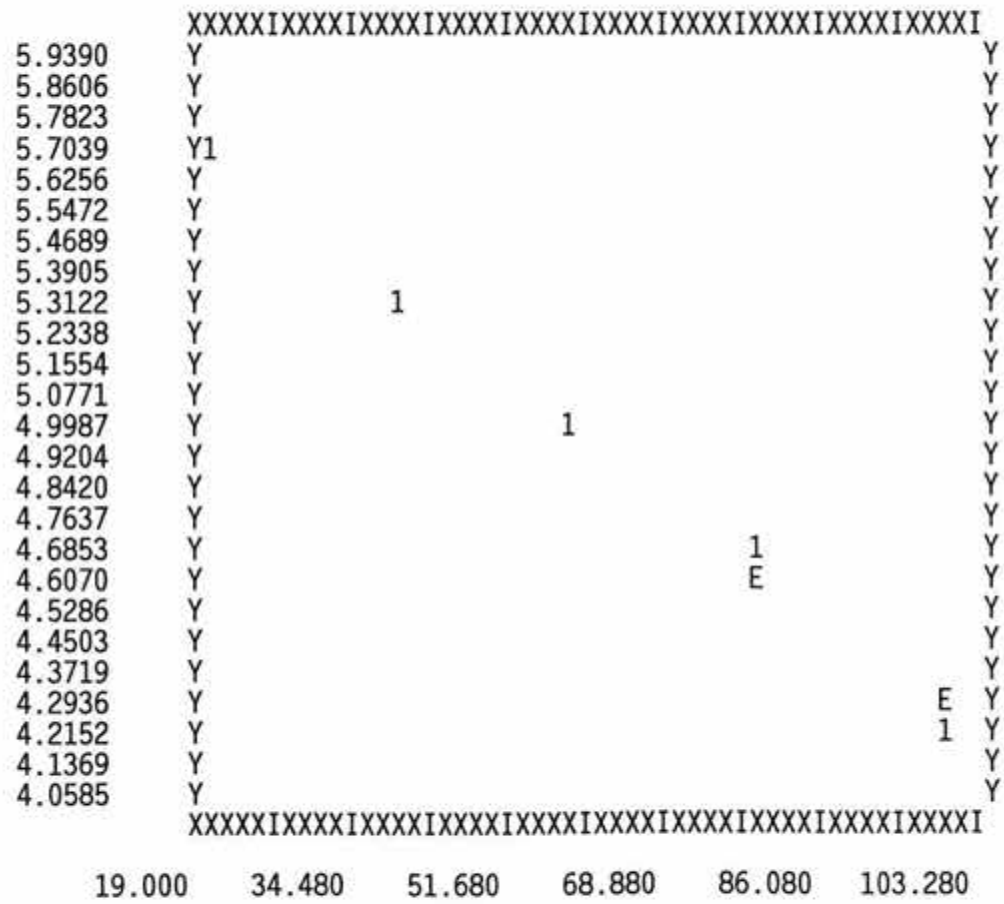
STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.01472	-0.01793	0.99896	0.99793

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	280.	5.63835	5.65616
2	40.	200.	5.30330	5.29760
3	60.	140.	4.94876	4.93904
4	80.	100.	4.61512	4.58048
5	100.	65.	4.18965	4.22192



LIGHT PROFILE ANALYSES - FOR JANUARY 12, 1994

STATION 12 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.84	2.51

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	460.	1.0000
10	383.	0.8323
20	319.	0.6928
30	265.	0.5766
40	221.	0.4799
50	184.	0.3994
60	153.	0.3325
80	106.	0.2303
100	73.	0.1596
200	12.	0.0255

LIGHT PROFILE ANALYSES - FOR JANUARY 12, 1994

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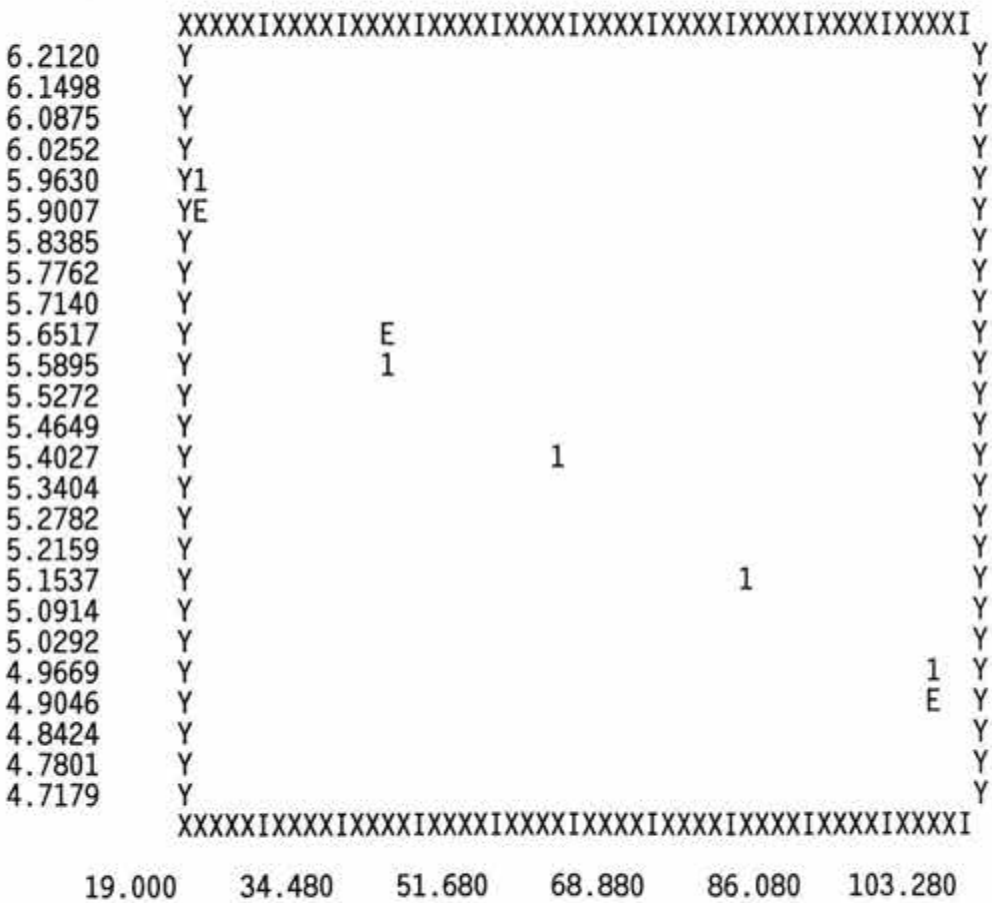
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.11563	-0.01215	0.99462	0.98927

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	370.	5.91620	5.87263
2	40.	260.	5.56452	5.62964
3	60.	220.	5.39816	5.38664
4	80.	170.	5.14166	5.14365
5	100.	135.	4.91265	4.90065



LIGHT PROFILE ANALYSES - FOR JANUARY 12, 1994

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STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.05	4.39

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	515.	1.0000
10	464.	0.9004
20	418.	0.8107
30	376.	0.7300
40	338.	0.6573
50	305.	0.5918
60	274.	0.5328
80	222.	0.4320
100	180.	0.3502
200	63.	0.1227

LIGHT PROFILE ANALYSES - FOR FEBRUARY 9, 1994

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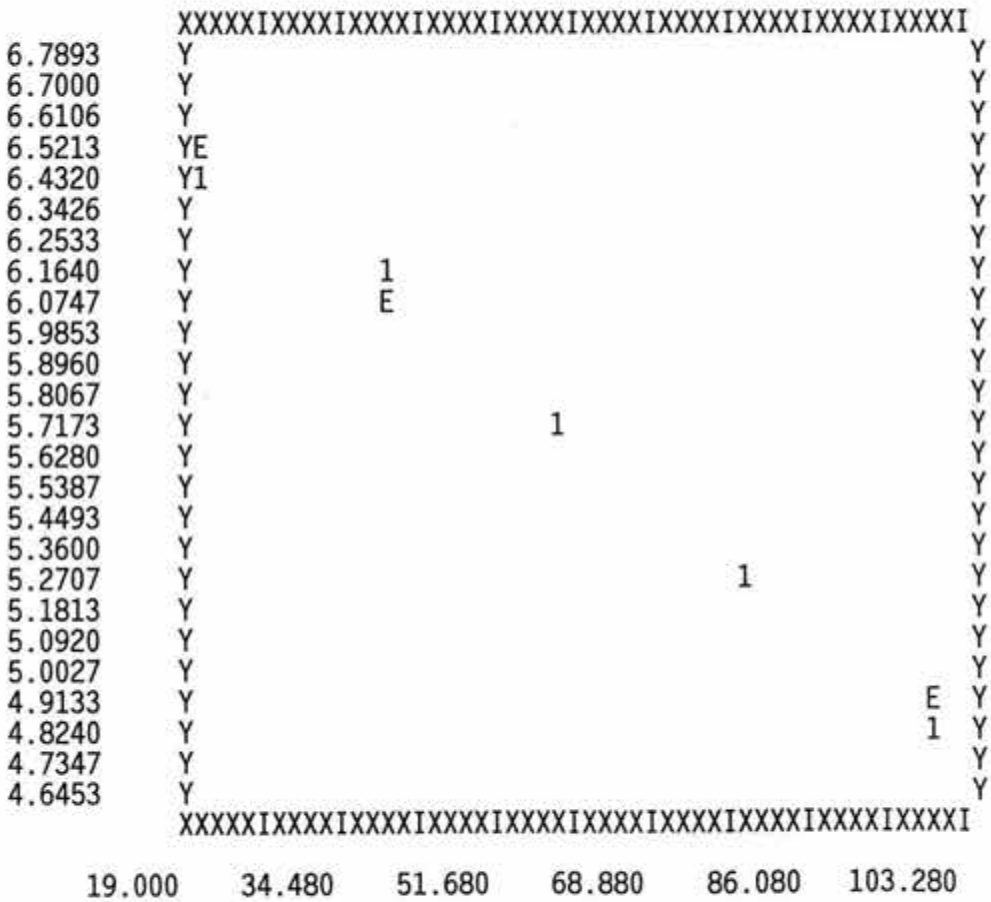
STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.87249	-0.02032	0.99634	0.99269

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	600.	6.39859	6.46601
2	40.	450.	6.11147	6.05953
3	60.	300.	5.70711	5.65305
4	80.	190.	5.25227	5.24657
5	100.	120.	4.79579	4.84009



LIGHT PROFILE ANALYSES - FOR FEBRUARY 9, 1994

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STATION 0 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.46	1.87

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1900.	1.0000
10	1485.	0.7817
20	1161.	0.6110
30	907.	0.4776
40	709.	0.3734
50	554.	0.2918
60	433.	0.2281
80	265.	0.1394
100	162.	0.0852
200	14.	0.0073

LIGHT PROFILE ANALYSES - FOR FEBRUARY 9, 1994

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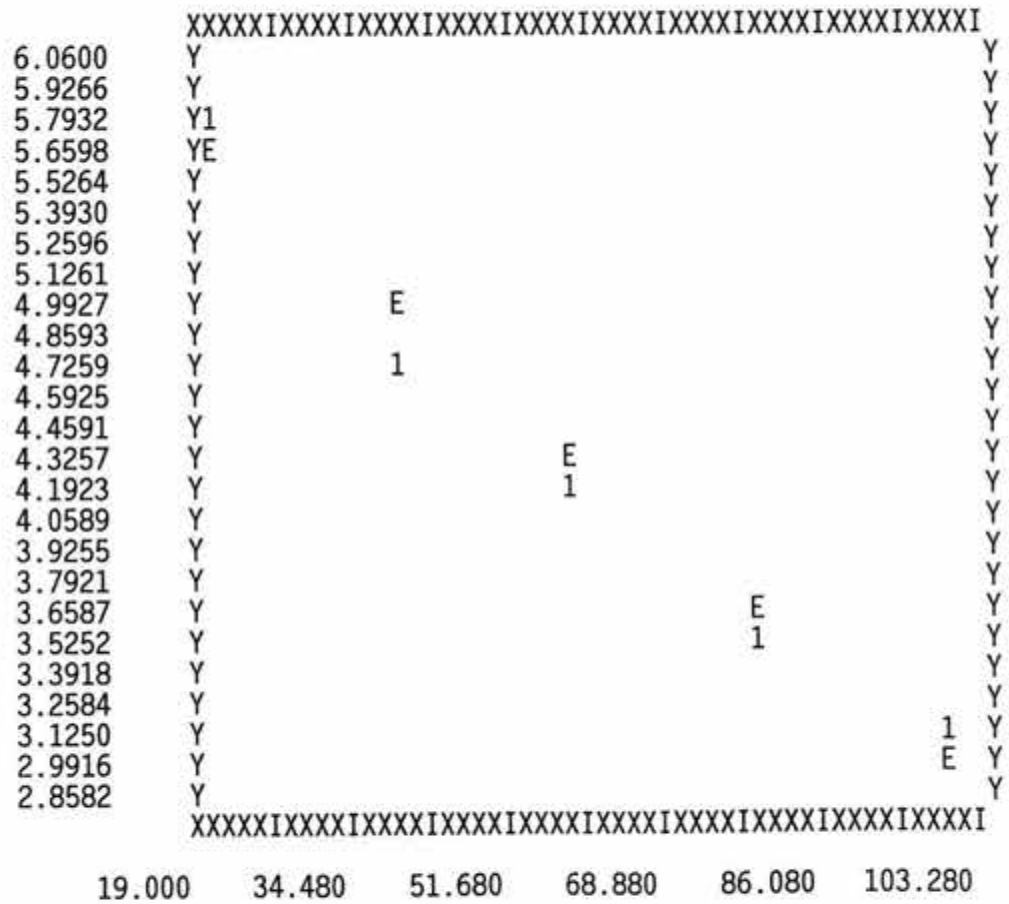
STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.23288	-0.03365	0.98601	0.97221

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	320.	5.77144	5.55995
2	40.	110.	4.70953	4.88701
3	60.	60.	4.11087	4.21407
4	80.	30.	3.43399	3.54113
5	100.	20.	3.04452	2.86819



LIGHT PROFILE ANALYSES - FOR FEBRUARY 9, 1994

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STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.64	1.27

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	900.	1.0000
10	626.	0.6950
20	435.	0.4831
30	302.	0.3357
40	210.	0.2333
50	146.	0.1622
60	101.	0.1127
80	49.	0.0544
100	24.	0.0263
200	1.	0.0007

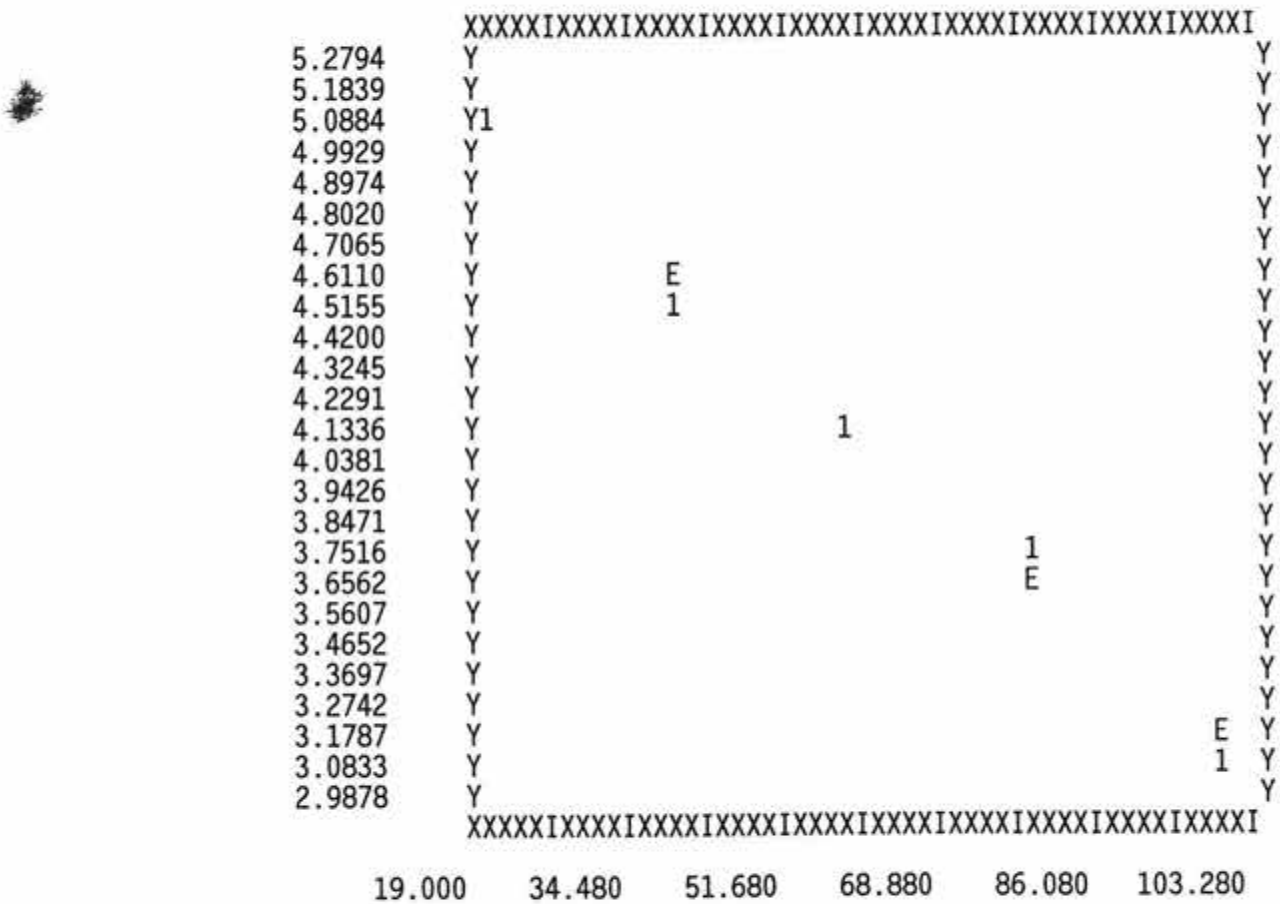
LIGHT PROFILE ANALYSES - FOR FEBRUARY 9, 1994

STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.50226	-0.02371	0.99511	0.99025

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	150.	5.01728	5.02798
2	40.	90.	4.51086	4.55370
3	60.	60.	4.11087	4.07942
4	80.	40.	3.71357	3.60514
5	100.	20.	3.04452	3.13086



LIGHT PROFILE ANALYSES - FOR FEBRUARY 9, 1994

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STATION 12 o/oo

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

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	600.	1.0000
10	453.	0.7547
20	342.	0.5695
30	258.	0.4298
40	195.	0.3243
50	147.	0.2448
60	111.	0.1847
80	63.	0.1052
100	36.	0.0599
200	2.	0.0036

LIGHT PROFILE ANALYSES - FOR FEBRUARY 9, 1994

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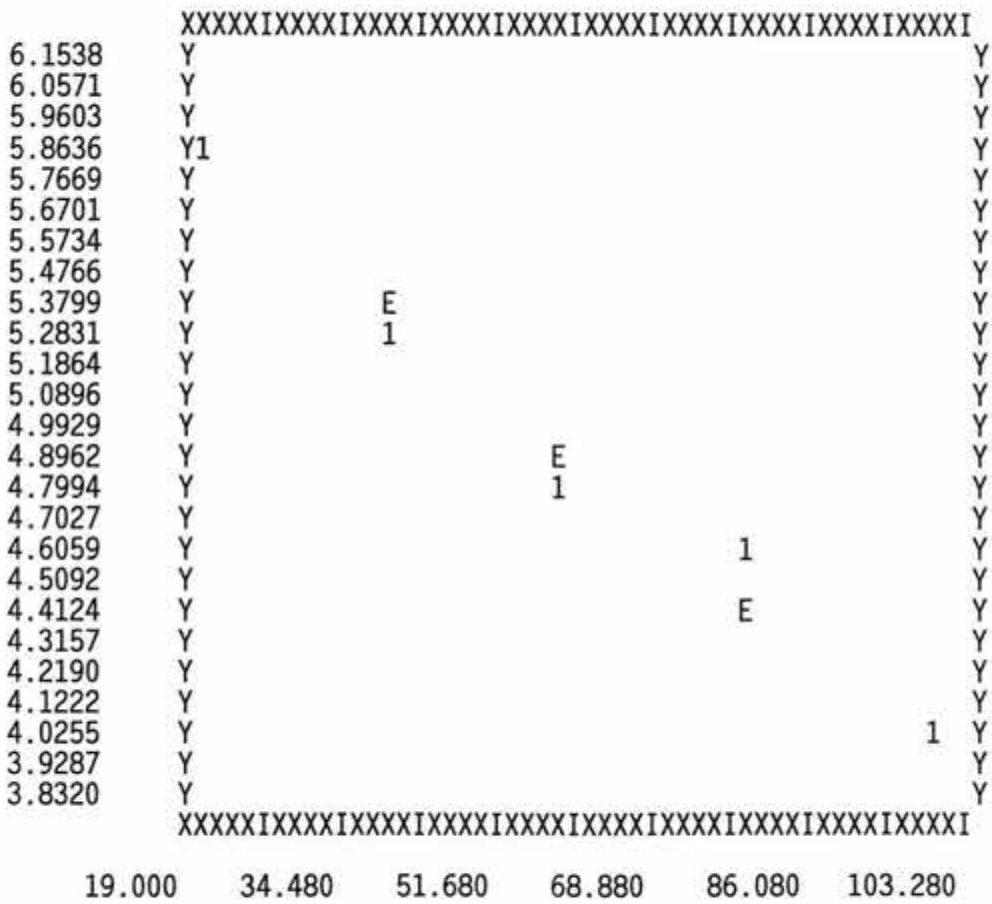
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.23286	-0.02300	0.98933	0.97878

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	350.	5.86079	5.77292
2	40.	190.	5.25227	5.31299
3	60.	110.	4.70953	4.85306
4	80.	90.	4.51086	4.39312
5	100.	50.	3.93183	3.93319



LIGHT PROFILE ANALYSES - FOR FEBRUARY 9, 1994

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STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.35	1.96

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	845.	1.0000
10	668.	0.7905
20	528.	0.6249
30	417.	0.4940
40	330.	0.3905
50	261.	0.3087
60	206.	0.2441
80	129.	0.1525
100	81.	0.0953
200	8.	0.0091

LIGHT PROFILE ANALYSES - FOR MARCH 7, 1994

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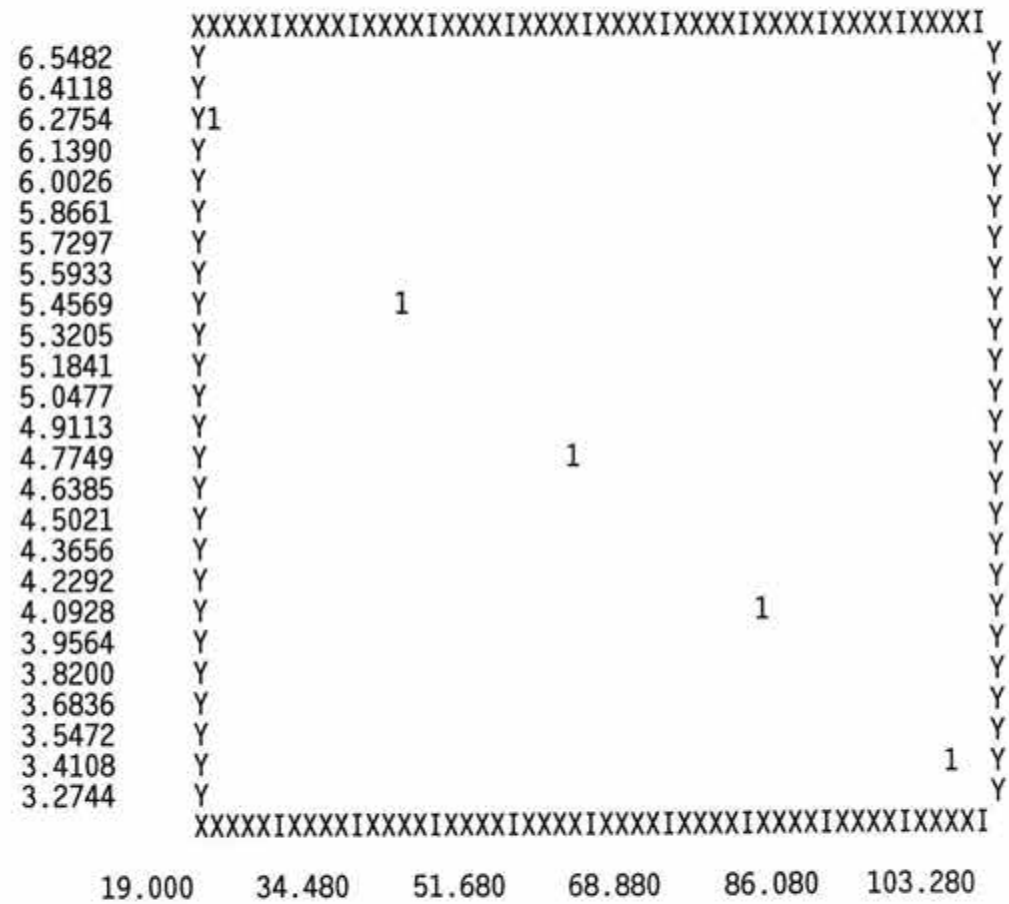
STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.88614	-0.03583	0.99857	0.99714

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	510.	6.23637	6.16953
2	40.	220.	5.39816	5.45293
3	60.	110.	4.70953	4.73633
4	80.	52.	3.97029	4.01973
5	100.	28.	3.36730	3.30313



LIGHT PROFILE ANALYSES - FOR MARCH 7, 1994

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STATION 0 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.99	1.15

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1800.	1.0000
10	1208.	0.6709
20	810.	0.4501
30	544.	0.3020
40	365.	0.2026
50	245.	0.1359
60	164.	0.0912
80	74.	0.0411
100	33.	0.0185
200	1.	0.0003

LIGHT PROFILE ANALYSES - FOR MARCH 7, 1994

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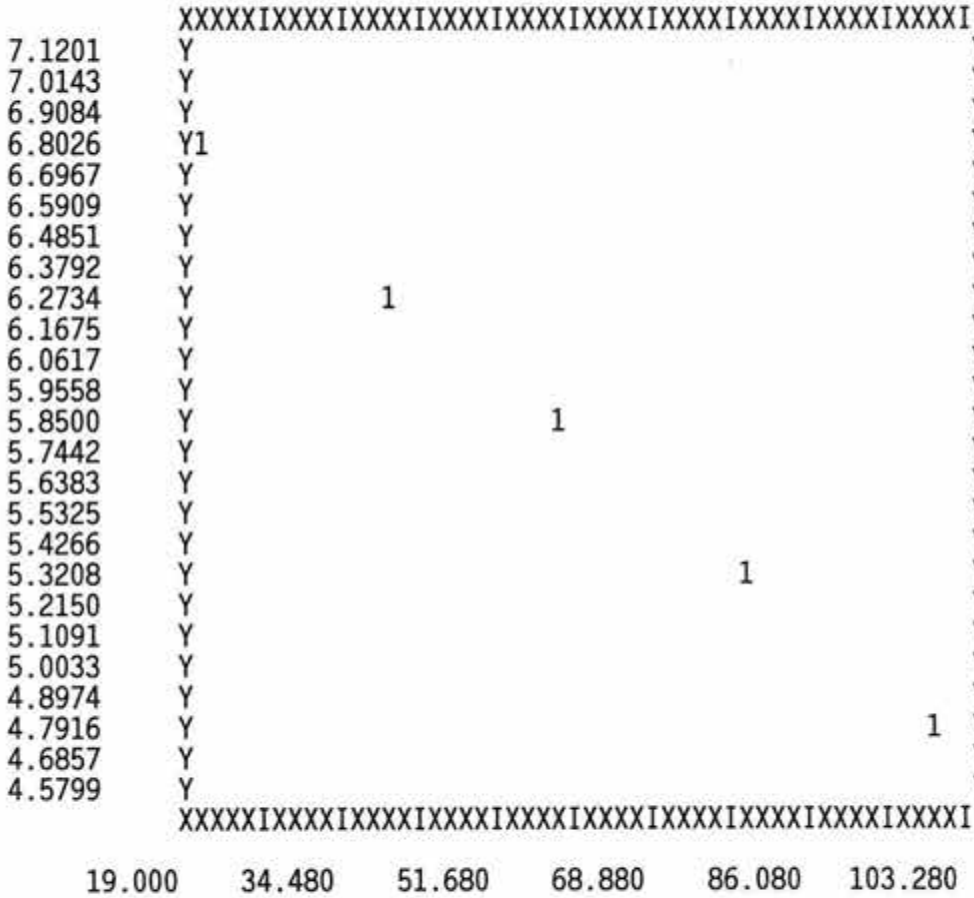
STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.28318	-0.02538	0.99903	0.99807

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	880.	6.78106	6.77556
2	40.	510.	6.23637	6.26795
3	60.	320.	5.77144	5.76034
4	80.	200.	5.30330	5.25273
5	100.	110.	4.70953	4.74512



LIGHT PROFILE ANALYSES - FOR MARCH 7, 1994

STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.53	1.82

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1800.	1.0000
10	1397.	0.7763
20	1085.	0.6027
30	842.	0.4679
40	654.	0.3633
50	508.	0.2820
60	394.	0.2189
80	238.	0.1320
100	143.	0.0795
200	11.	0.0063

LIGHT PROFILE ANALYSES - FOR MARCH 7, 1994

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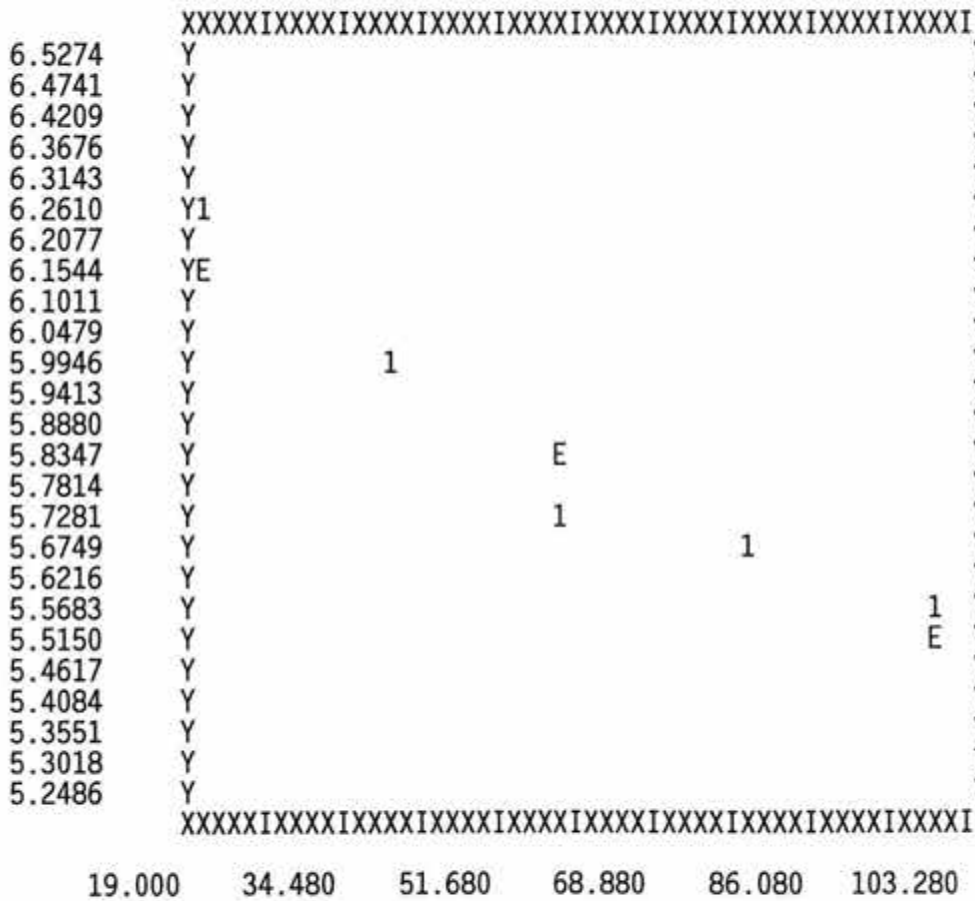
STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.31209	-0.00843	0.96761	0.93627

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	500.	6.21661	6.14342
2	40.	380.	5.94280	5.97474
3	60.	300.	5.70711	5.80607
4	80.	280.	5.63835	5.63739
5	100.	250.	5.52545	5.46871



LIGHT PROFILE ANALYSES - FOR MARCH 7, 1994

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STATION 12 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.21	2.09

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1450.	1.0000
10	1163.	0.8019
20	932.	0.6430
30	748.	0.5156
40	600.	0.4134
50	481.	0.3315
60	385.	0.2658
80	248.	0.1709
100	159.	0.1099
200	18.	0.0121

LIGHT PROFILE ANALYSES - FOR MARCH 7, 1994

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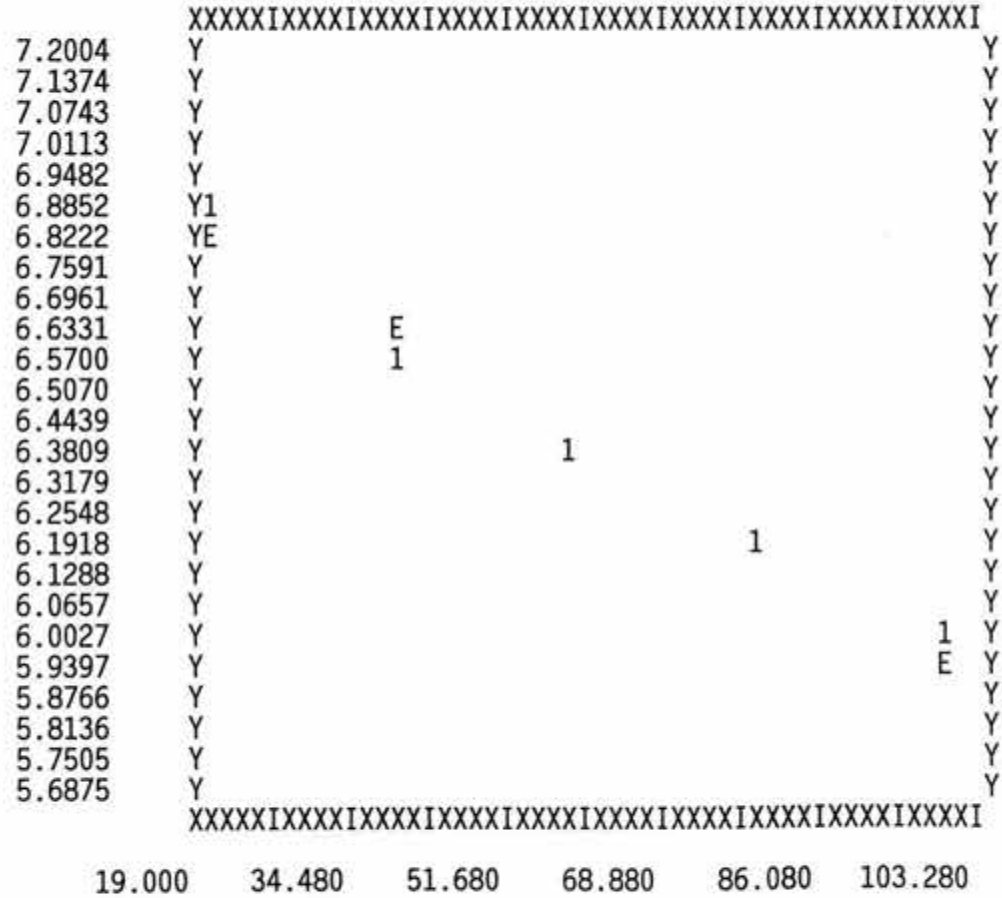
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.04476	-0.01124	0.99619	0.99239

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	950.	6.85751	6.81990
2	40.	700.	6.55251	6.59505
3	60.	580.	6.36475	6.37019
4	80.	460.	6.13340	6.14534
5	100.	380.	5.94280	5.92049



LIGHT PROFILE ANALYSES - FOR MARCH 7, 1994

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STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.20	3.84

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1350.	1.0000
10	1197.	0.8869
20	1062.	0.7867
30	942.	0.6977
40	835.	0.6188
50	741.	0.5489
60	657.	0.4868
80	517.	0.3830
100	407.	0.3013
200	123.	0.0908

LIGHT PROFILE ANALYSES - FOR APRIL 4, 1994

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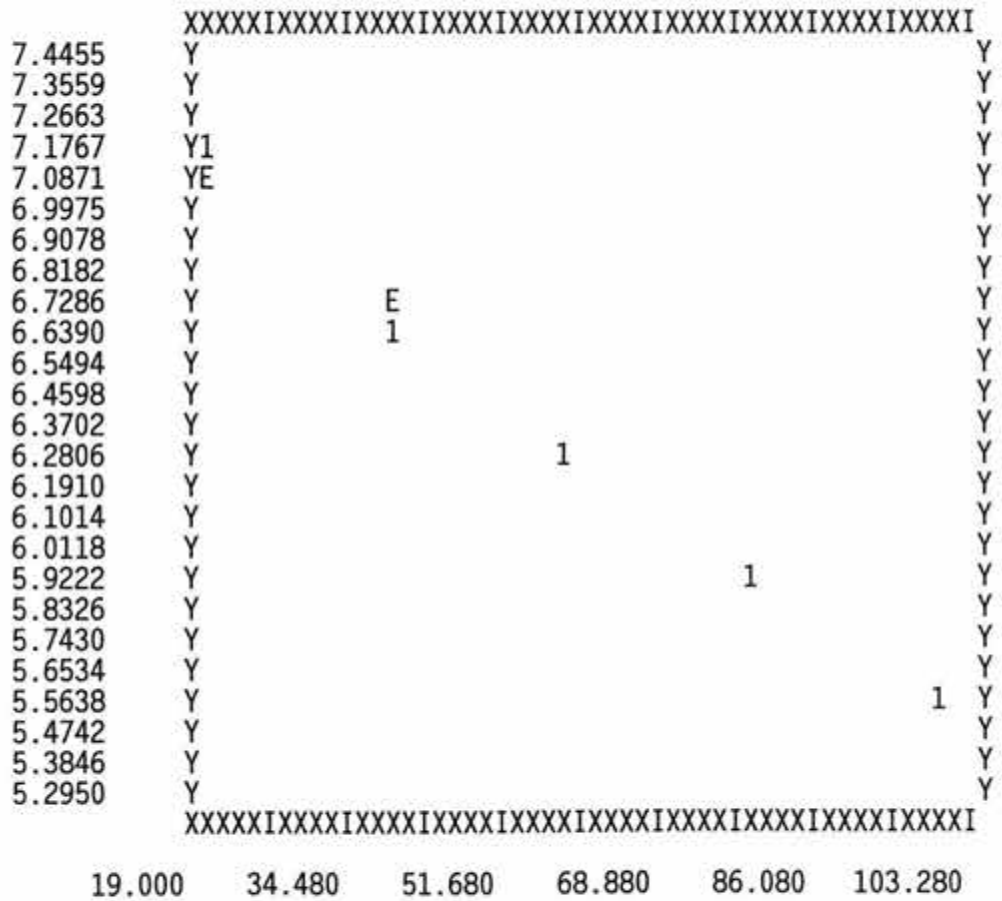
STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.41732	-0.01938	0.99594	0.99189

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1200.	7.09091	7.02974
2	40.	700.	6.55251	6.64215
3	60.	520.	6.25575	6.25457
4	80.	360.	5.88888	5.86698
5	100.	240.	5.48480	5.47940



LIGHT PROFILE ANALYSES - FOR APRIL 4, 1994

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STATION 0 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.82	2.53

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1950.	1.0000
10	1626.	0.8337
20	1355.	0.6950
30	1130.	0.5794
40	942.	0.4831
50	785.	0.4027
60	655.	0.3357
80	455.	0.2333
100	316.	0.1622
200	51.	0.0263

LIGHT PROFILE ANALYSES - FOR APRIL 4, 1994

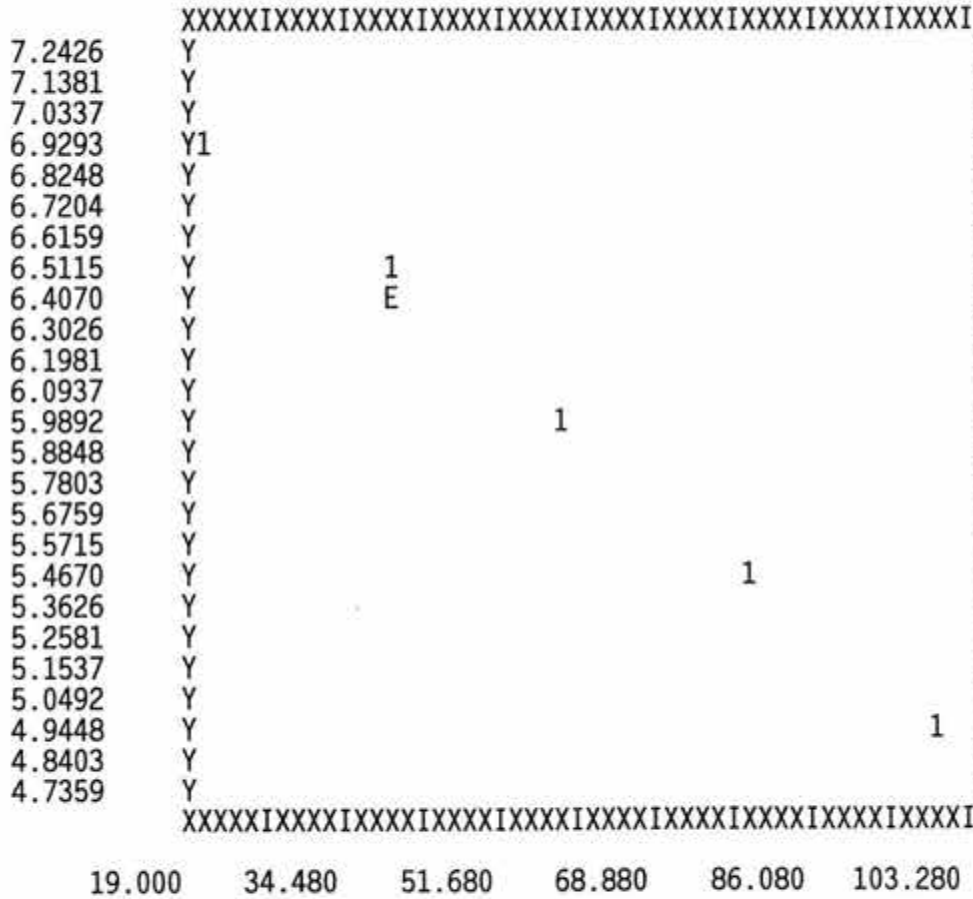
****

STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.39795	-0.02501	0.99947	0.99893

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	960.	6.86797	6.89770
2	40.	610.	6.41510	6.39745
3	60.	375.	5.92959	5.89720
4	80.	220.	5.39816	5.39696
5	100.	130.	4.87520	4.89671



LIGHT PROFILE ANALYSES - FOR APRIL 4, 1994

STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.36	1.95

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1840.	1.0000
10	1453.	0.7898
20	1148.	0.6238
30	906.	0.4926
40	716.	0.3891
50	565.	0.3073
60	447.	0.2427
80	279.	0.1514
100	174.	0.0944
200	16.	0.0089

LIGHT PROFILE ANALYSES - FOR APRIL 4, 1994

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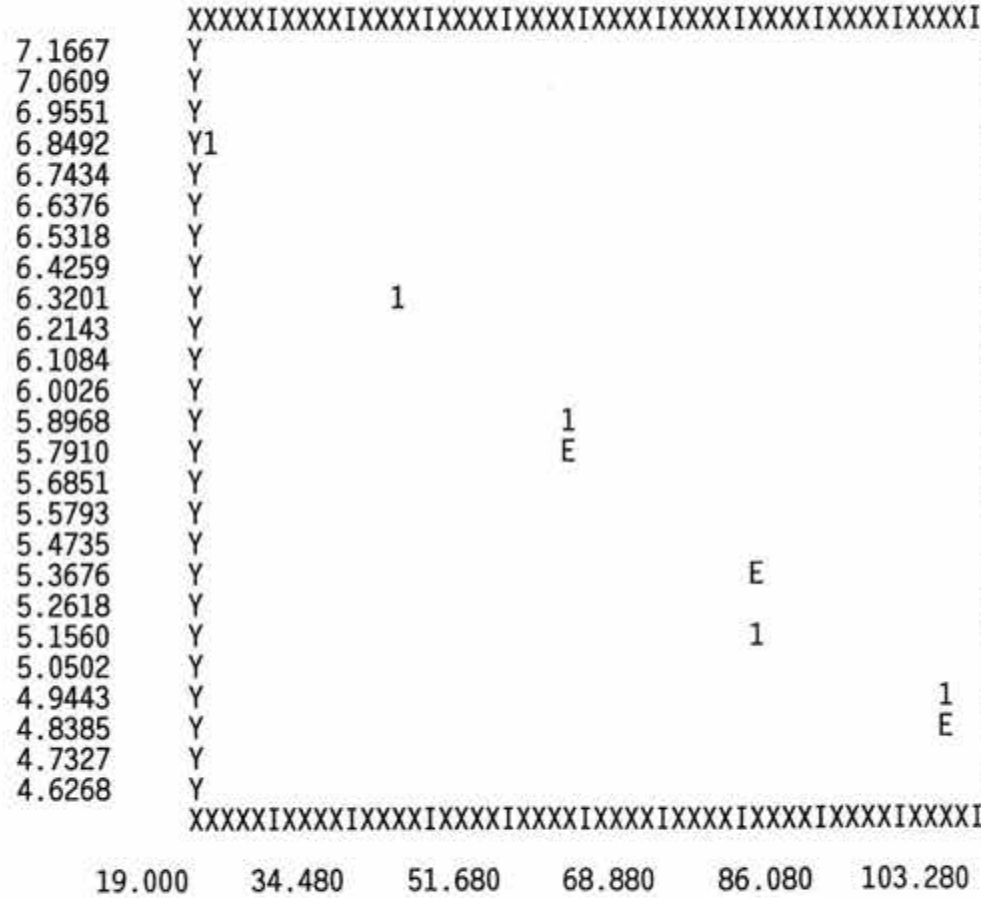
STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.27683	-0.02518	0.98910	0.97833

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	920.	6.82546	6.77326
2	40.	500.	6.21661	6.26968
3	60.	340.	5.83188	5.76611
4	80.	160.	5.08140	5.26254
5	100.	130.	4.87520	4.75896



LIGHT PROFILE ANALYSES - FOR APRIL 4, 1994

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STATION 12 o/oo

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

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1800.	1.0000
10	1416.	0.7864
20	1113.	0.6184
30	875.	0.4863
40	688.	0.3824
50	541.	0.3008
60	426.	0.2365
80	263.	0.1463
100	163.	0.0905
200	15.	0.0082

LIGHT PROFILE ANALYSES - FOR APRIL 4, 1994

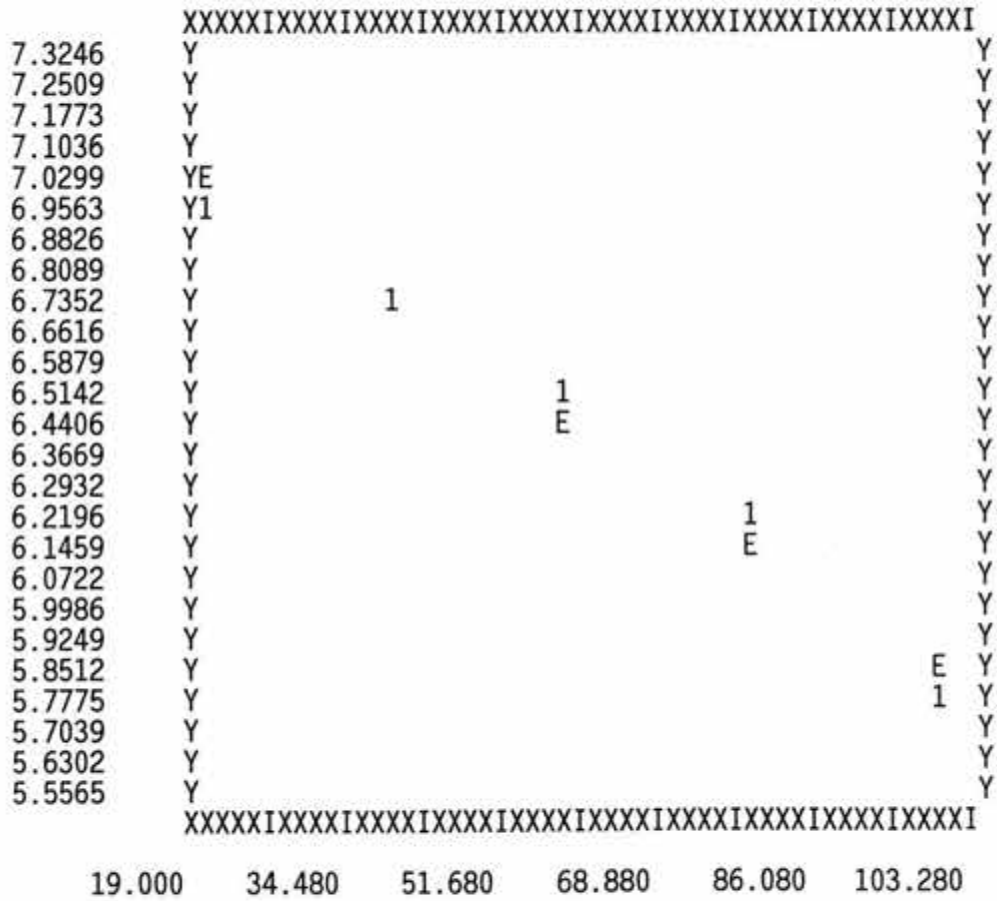
****

STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.25715	-0.01407	0.98969	0.97949

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1025.	6.93342	6.97581
2	40.	800.	6.68586	6.69447
3	60.	650.	6.47851	6.41314
4	80.	490.	6.19644	6.13180
5	100.	320.	5.77144	5.85046



LIGHT PROFILE ANALYSES - FOR APRIL 4, 1994

STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.20	3.85

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1450.	1.0000
10	1287.	0.8873
20	1141.	0.7872
30	1013.	0.6985
40	899.	0.6197
50	797.	0.5498
60	707.	0.4878
80	557.	0.3840
100	438.	0.3023
200	133.	0.0914

LIGHT PROFILE ANALYSES - FOR MAY 17, 1994

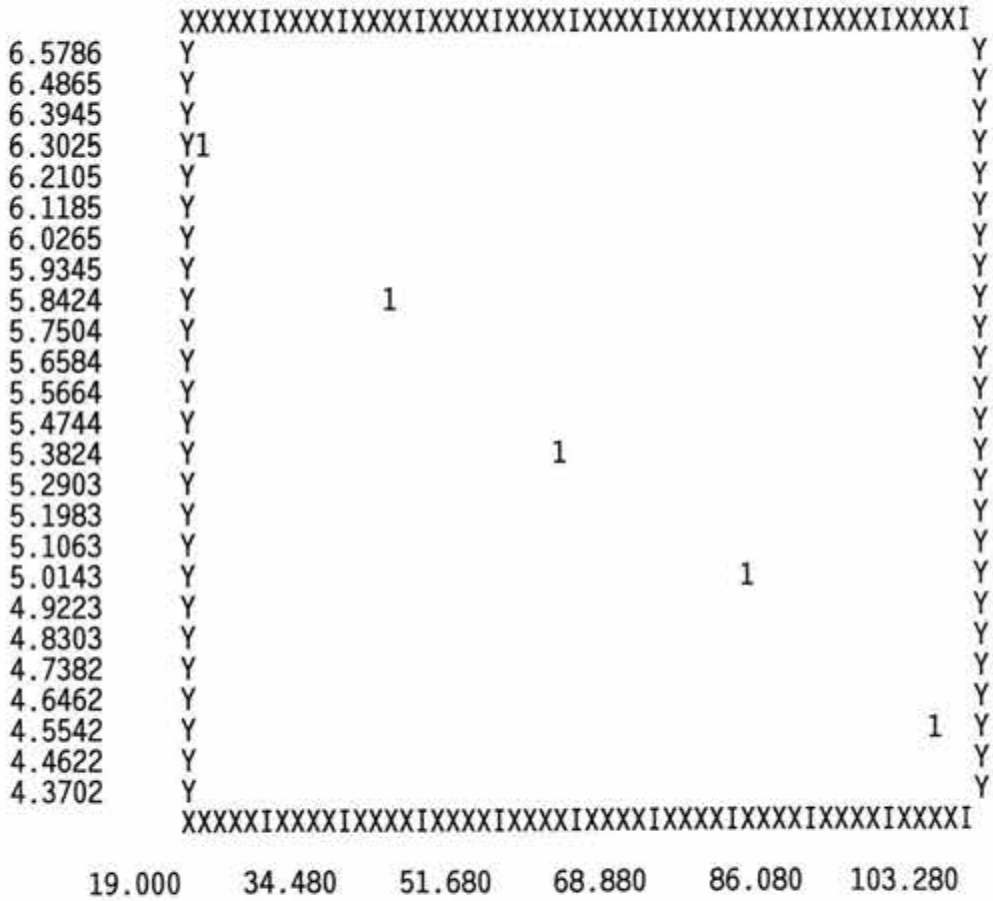
****

STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.69933	-0.02196	0.99970	0.99941

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	525.	6.26530	6.26013
2	40.	340.	5.83188	5.82093
3	60.	210.	5.35186	5.38173
4	80.	140.	4.94876	4.94253
5	100.	90.	4.51086	4.50333



LIGHT PROFILE ANALYSES - FOR MAY 17, 1994

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STATION 0 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.27	2.03

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1100.	1.0000
10	876.	0.7967
20	698.	0.6348
30	556.	0.5057
40	443.	0.4029
50	353.	0.3210
60	281.	0.2558
80	179.	0.1623
100	113.	0.1031
200	12.	0.0106

LIGHT PROFILE ANALYSES - FOR MAY 17, 1994

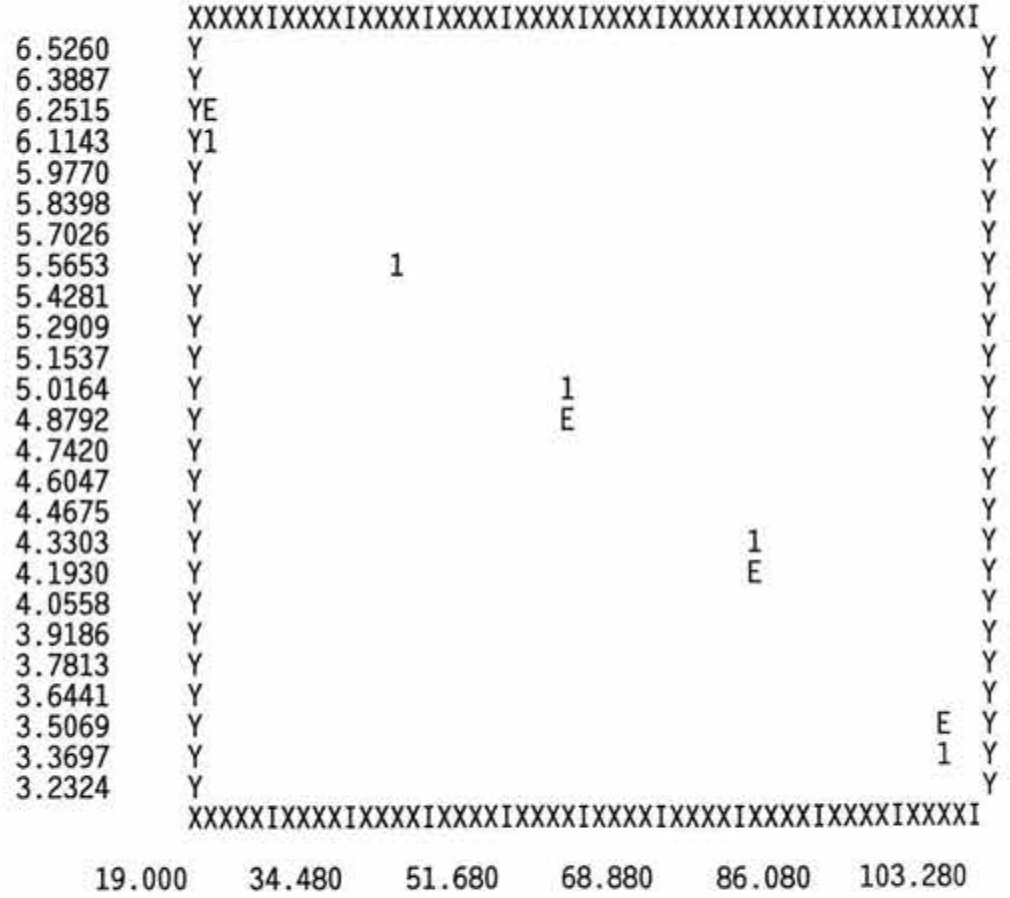
****

STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.91215	-0.03485	0.99238	0.98483

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	450.	6.11147	6.21519
2	40.	250.	5.52545	5.51824
3	60.	140.	4.94876	4.82129
4	80.	70.	4.26268	4.12434
5	100.	25.	3.25810	3.42739



LIGHT PROFILE ANALYSES - FOR MAY 17, 1994

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STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.63	1.75

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	900.	1.0000
10	692.	0.7690
20	532.	0.5914
30	409.	0.4548
40	315.	0.3498
50	242.	0.2690
60	186.	0.2069
80	110.	0.1224
100	65.	0.0724
200	5.	0.0052

LIGHT PROFILE ANALYSES - FOR MAY 17, 1994

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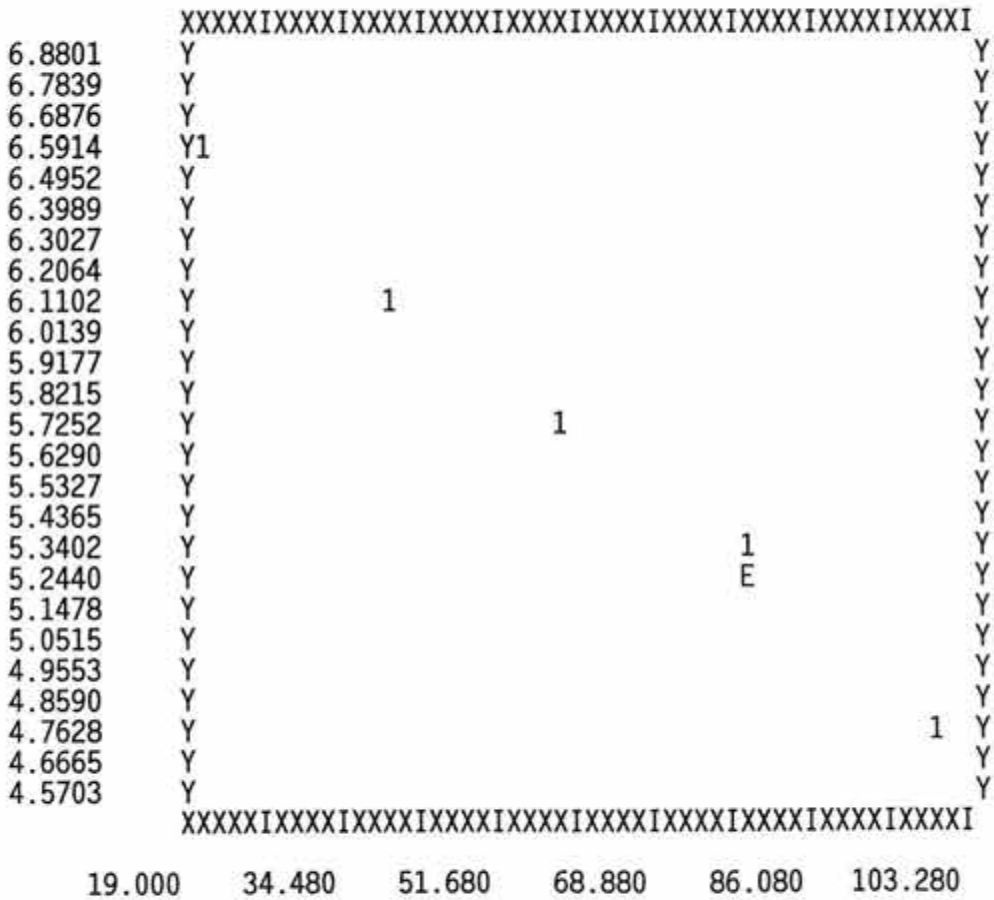
STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.99485	-0.02244	0.99827	0.99655

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	700.	6.55251	6.54604
2	40.	425.	6.05444	6.09723
3	60.	290.	5.67332	5.64841
4	80.	190.	5.25227	5.19960
5	100.	110.	4.70953	4.75079



LIGHT PROFILE ANALYSES - FOR MAY 17, 1994

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STATION 12 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.01	2.29

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1300.	1.0000
10	1063.	0.8176
20	869.	0.6685
30	711.	0.5466
40	581.	0.4469
50	475.	0.3654
60	388.	0.2988
80	260.	0.1997
100	174.	0.1335
200	23.	0.0178

LIGHT PROFILE ANALYSES - FOR MAY 17, 1994

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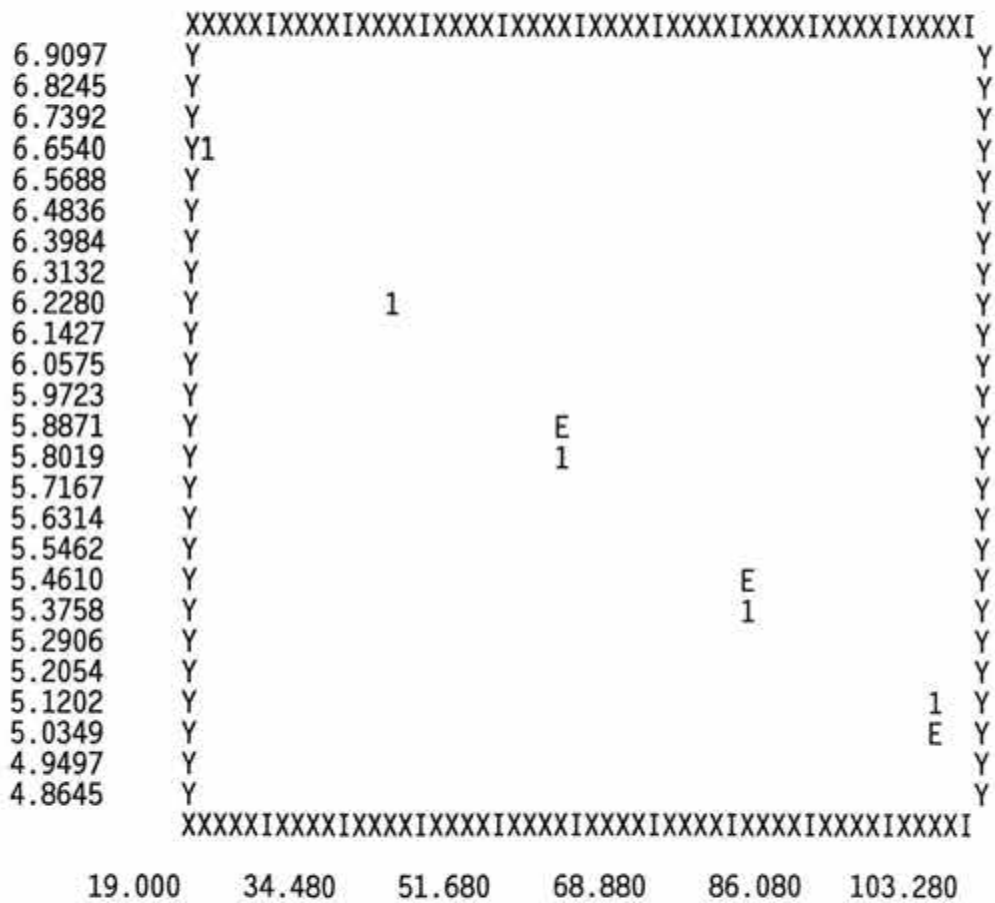
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.96245	-0.01932	0.99739	0.99478

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	720.	6.58064	6.57612
2	40.	500.	6.21661	6.18980
3	60.	325.	5.78690	5.80348
4	80.	210.	5.35186	5.41716
5	100.	160.	5.08140	5.03084



LIGHT PROFILE ANALYSES - FOR MAY 17, 1994

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STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.52	3.03

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	850.	1.0000
10	730.	0.8590
20	627.	0.7379
30	539.	0.6338
40	463.	0.5445
50	398.	0.4677
60	341.	0.4018
80	252.	0.2965
100	186.	0.2187
200	41.	0.0479

LIGHT PROFILE ANALYSES - FOR JUNE 9, 1994

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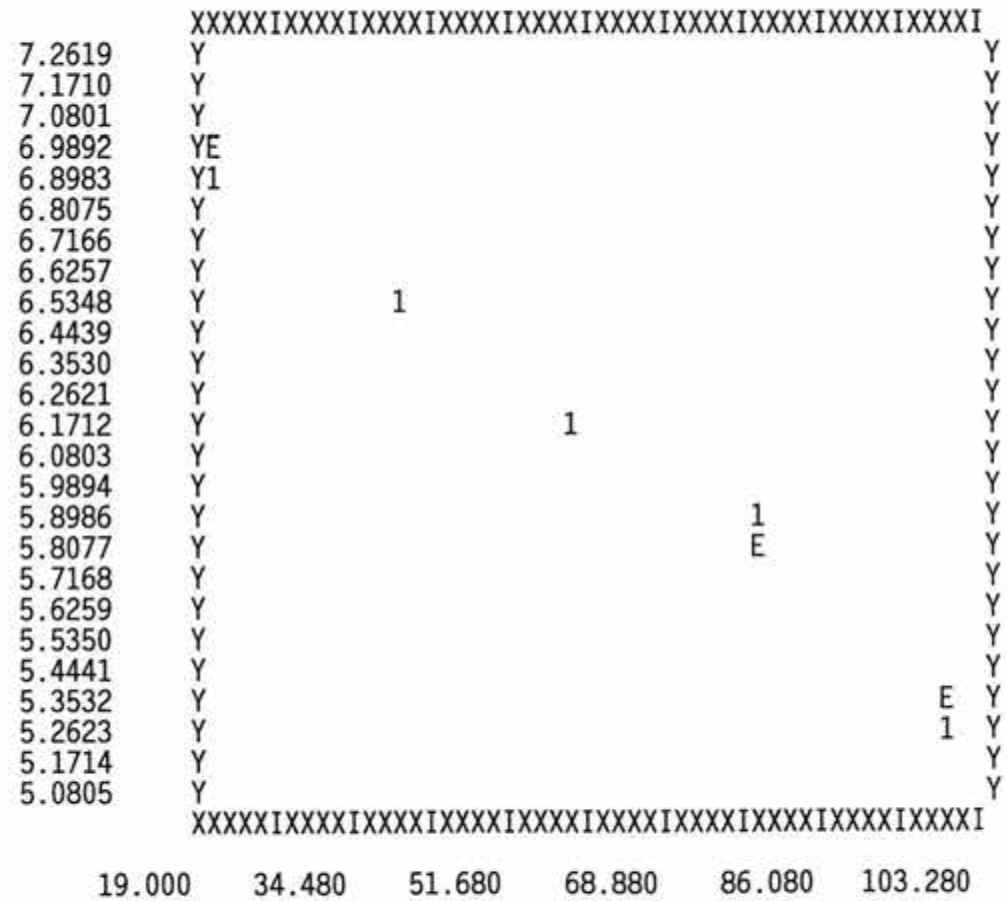
STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.30974	-0.01968	0.99356	0.98717

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	970.	6.87833	6.91610
2	40.	675.	6.51619	6.52246
3	60.	475.	6.16542	6.12882
4	80.	340.	5.83188	5.73518
5	100.	190.	5.25227	5.34154



LIGHT PROFILE ANALYSES - FOR JUNE 9, 1994

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STATION 0 o/oo

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

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	2100.	1.0000
10	1672.	0.7963
20	1332.	0.6341
30	1060.	0.5049
40	844.	0.4021
50	672.	0.3202
60	535.	0.2549
80	339.	0.1617
100	215.	0.1025
200	22.	0.0105

LIGHT PROFILE ANALYSES - FOR JUNE 9, 1994

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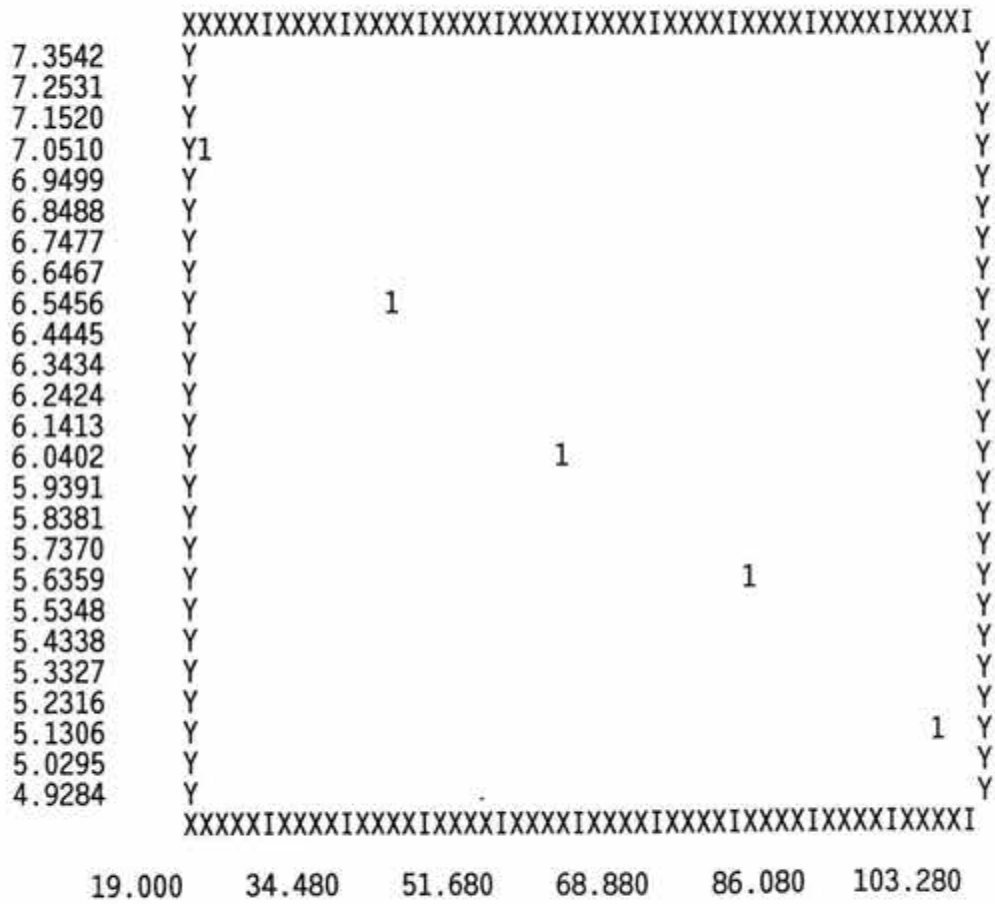
STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.44662	-0.02352	0.99854	0.99708

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1100.	7.00397	6.97630
2	40.	650.	6.47851	6.50597
3	60.	400.	5.99396	6.03565
4	80.	275.	5.62040	5.56533
5	100.	160.	5.08140	5.09500



LIGHT PROFILE ANALYSES - FOR JUNE 9, 1994

STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.43	1.89

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	2050.	1.0000
10	1607.	0.7840
20	1260.	0.6147
30	988.	0.4819
40	775.	0.3778
50	607.	0.2962
60	476.	0.2323
80	293.	0.1428
100	180.	0.0878
200	16.	0.0077

LIGHT PROFILE ANALYSES - FOR JUNE 9, 1994

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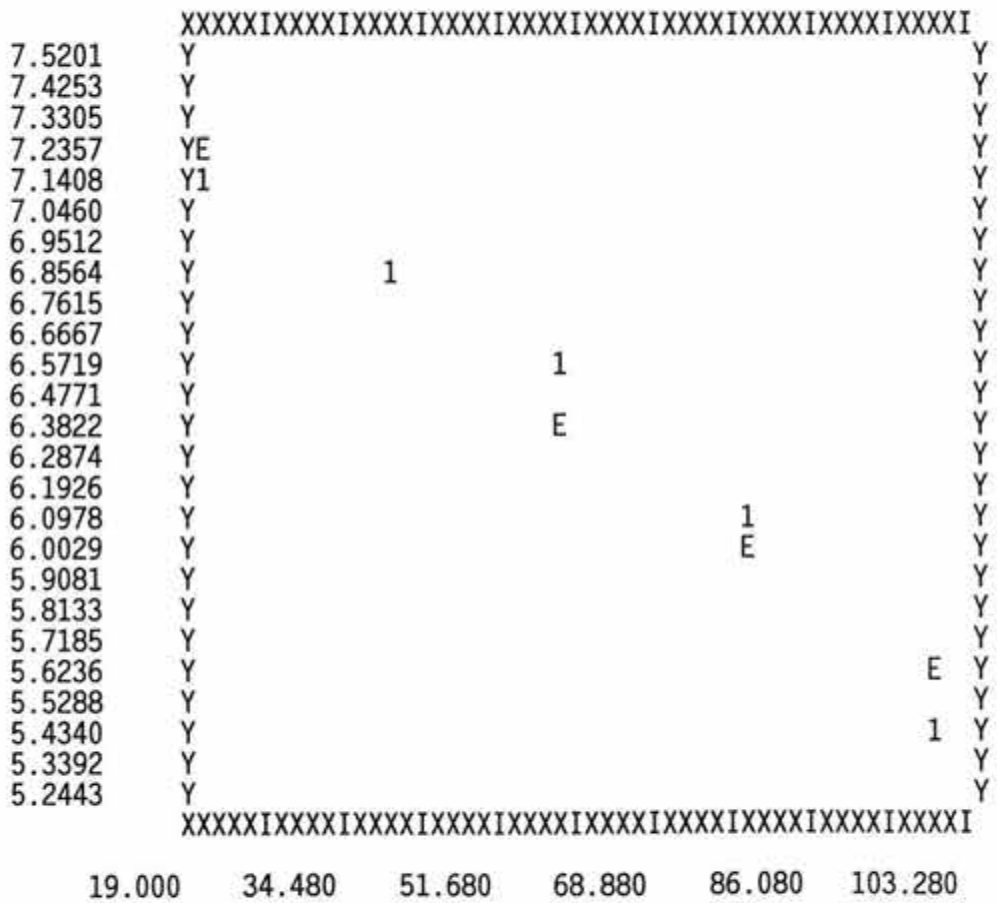
STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.56251	-0.02002	0.98277	0.96584

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1150.	7.04839	7.16203
2	40.	900.	6.80351	6.76155
3	60.	650.	6.47851	6.36108
4	80.	425.	6.05444	5.96060
5	100.	225.	5.42054	5.56012



LIGHT PROFILE ANALYSES - FOR JUNE 9, 1994

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STATION 12 o/oo

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

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	2000.	1.0000
10	1655.	0.8277
20	1370.	0.6851
30	1134.	0.5671
40	939.	0.4694
50	777.	0.3885
60	643.	0.3216
80	441.	0.2203
100	302.	0.1510
200	46.	0.0228

LIGHT PROFILE ANALYSES - FOR JUNE 9, 1994

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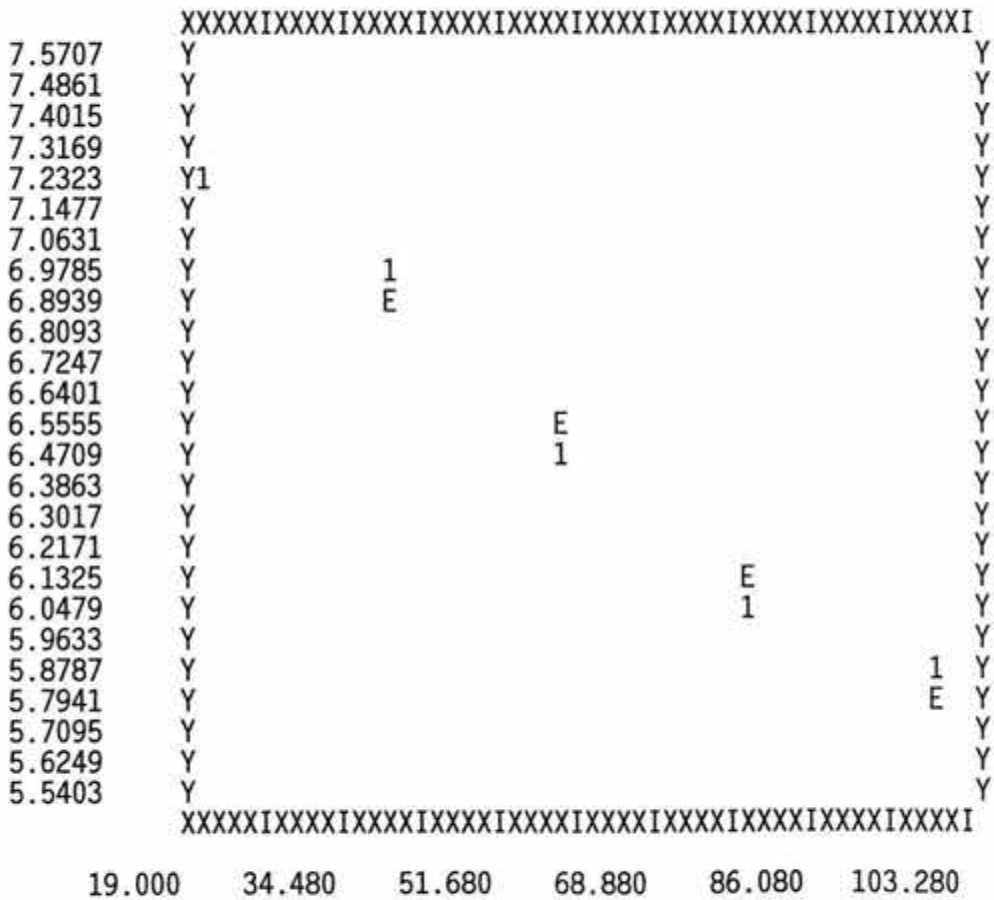
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.57698	-0.01834	0.99012	0.98035

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1350.	7.20860	7.21016
2	40.	1000.	6.90875	6.84333
3	60.	625.	6.43935	6.47651
4	80.	400.	5.99396	6.10969
5	100.	340.	5.83188	5.74286



LIGHT PROFILE ANALYSES - FOR JUNE 9, 1994

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STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.50	3.07

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1800.	1.0000
10	1549.	0.8605
20	1333.	0.7405
30	1147.	0.6372
40	987.	0.5484
50	849.	0.4719
60	731.	0.4061
80	541.	0.3007
100	401.	0.2227
200	89.	0.0496

LIGHT PROFILE ANALYSES - FOR JULY 14, 1994

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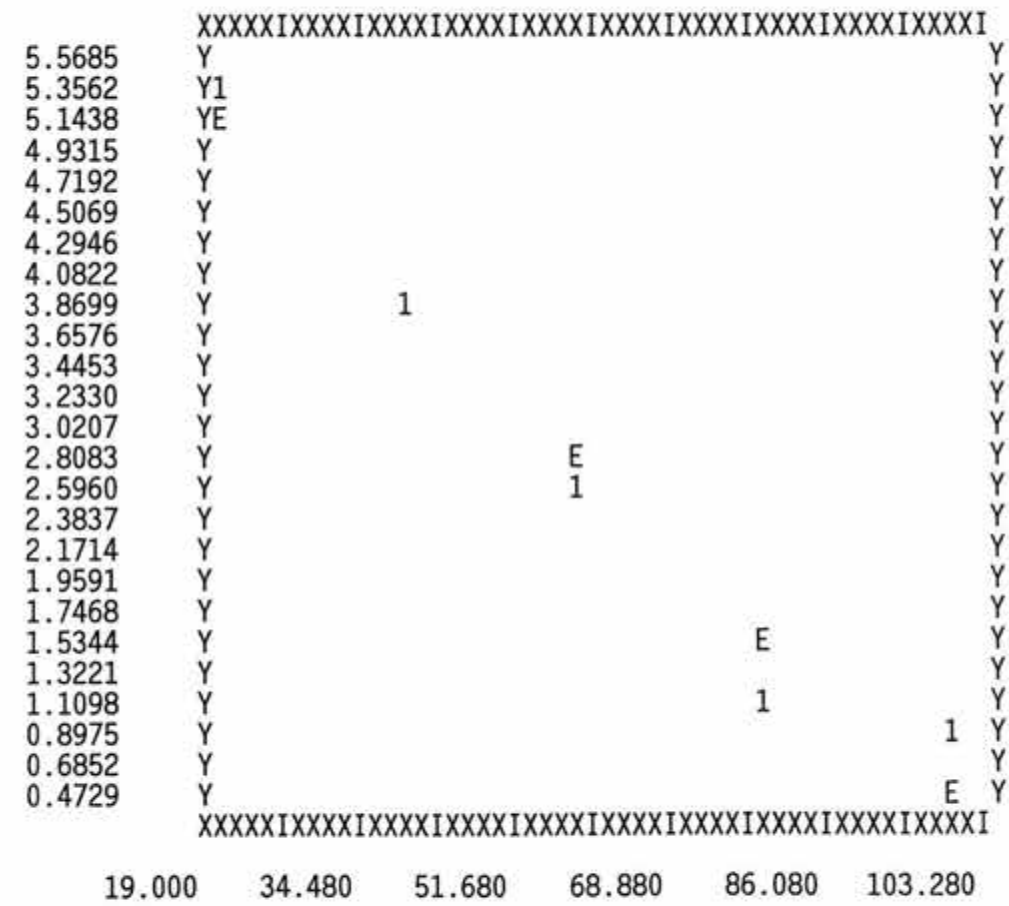
STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.19189	-0.05918	0.98387	0.96800

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	200.	5.30330	5.00836
2	40.	40.	3.71357	3.82483
3	60.	10.	2.39790	2.64131
4	80.	2.	1.09861	1.45778
5	100.	1.	0.69315	0.27425



LIGHT PROFILE ANALYSES - FOR JULY 14, 1994

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STATION 0 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
5.82	0.79

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	800.	1.0000
10	447.	0.5590
20	250.	0.3125
30	140.	0.1747
40	78.	0.0976
50	44.	0.0546
60	24.	0.0305
80	8.	0.0095
100	2.	0.0030
200	0.	0.0000

LIGHT PROFILE ANALYSES - FOR JULY 14, 1994

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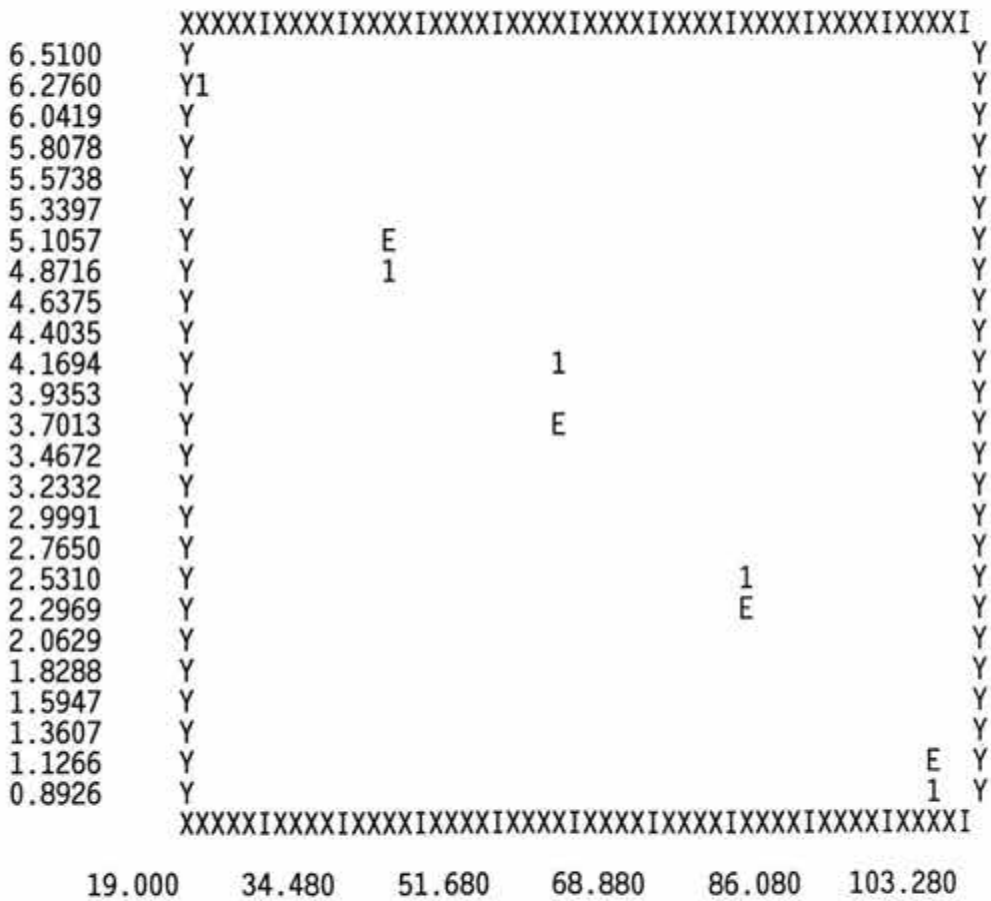
STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.50344	-0.06517	0.98781	0.97577

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	425.	6.05444	6.20002
2	40.	110.	4.70953	4.89660
3	60.	60.	4.11087	3.59318
4	80.	10.	2.39790	2.28975
5	100.	1.	0.69315	0.98633



LIGHT PROFILE ANALYSES - FOR JULY 14. 1994

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STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
5.61	0.82

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1500.	1.0000
10	856.	0.5709
20	489.	0.3259
30	279.	0.1861
40	159.	0.1062
50	91.	0.0606
60	52.	0.0346
80	17.	0.0113
100	6.	0.0037
200	0.	0.0000

LIGHT PROFILE ANALYSES - FOR JULY 14, 1994

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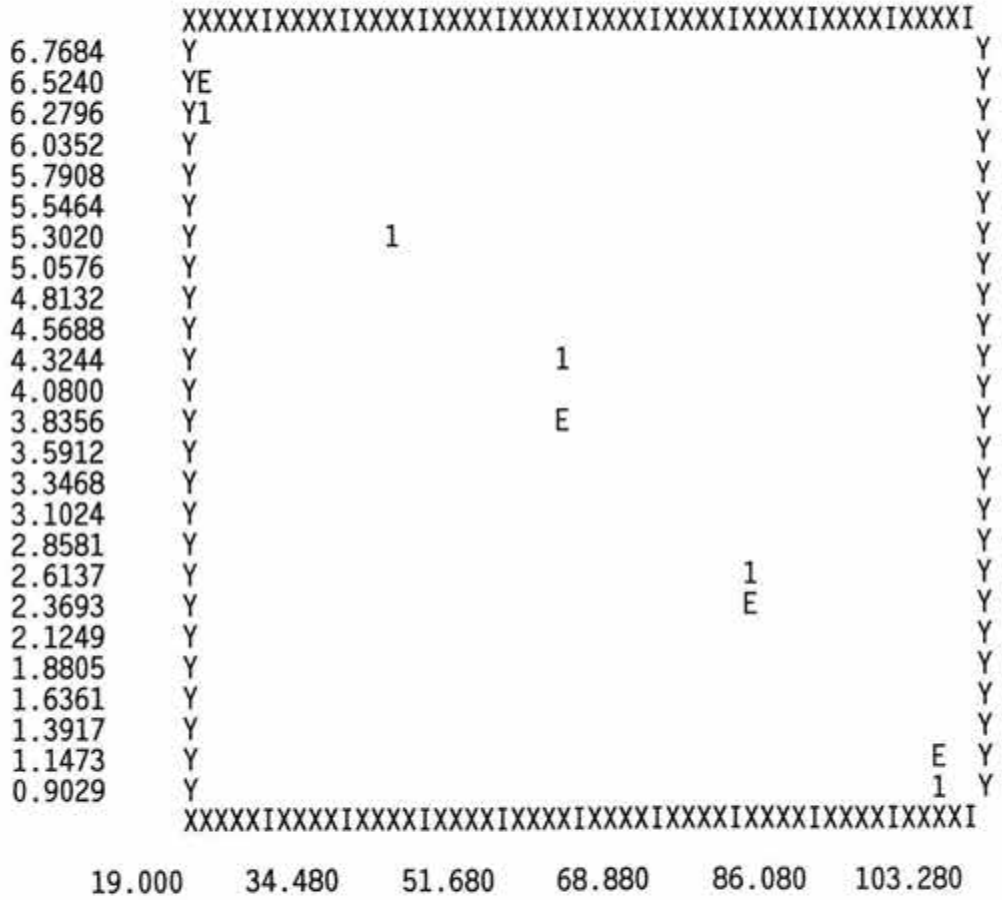
STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.81911	-0.06865	0.99228	0.98462

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	500.	6.21661	6.44607
2	40.	160.	5.08140	5.07303
3	60.	60.	4.11087	3.69999
4	80.	10.	2.39790	2.32694
5	100.	1.	0.69315	0.95390



LIGHT PROFILE ANALYSES - FOR JULY 14, 1994

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STATION 12 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
5.51	0.84

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1300.	1.0000
10	750.	0.5767
20	432.	0.3325
30	249.	0.1918
40	144.	0.1106
50	83.	0.0638
60	48.	0.0368
80	16.	0.0122
100	5.	0.0041
200	0.	0.0000

LIGHT PROFILE ANALYSES - FOR JULY 14, 1994

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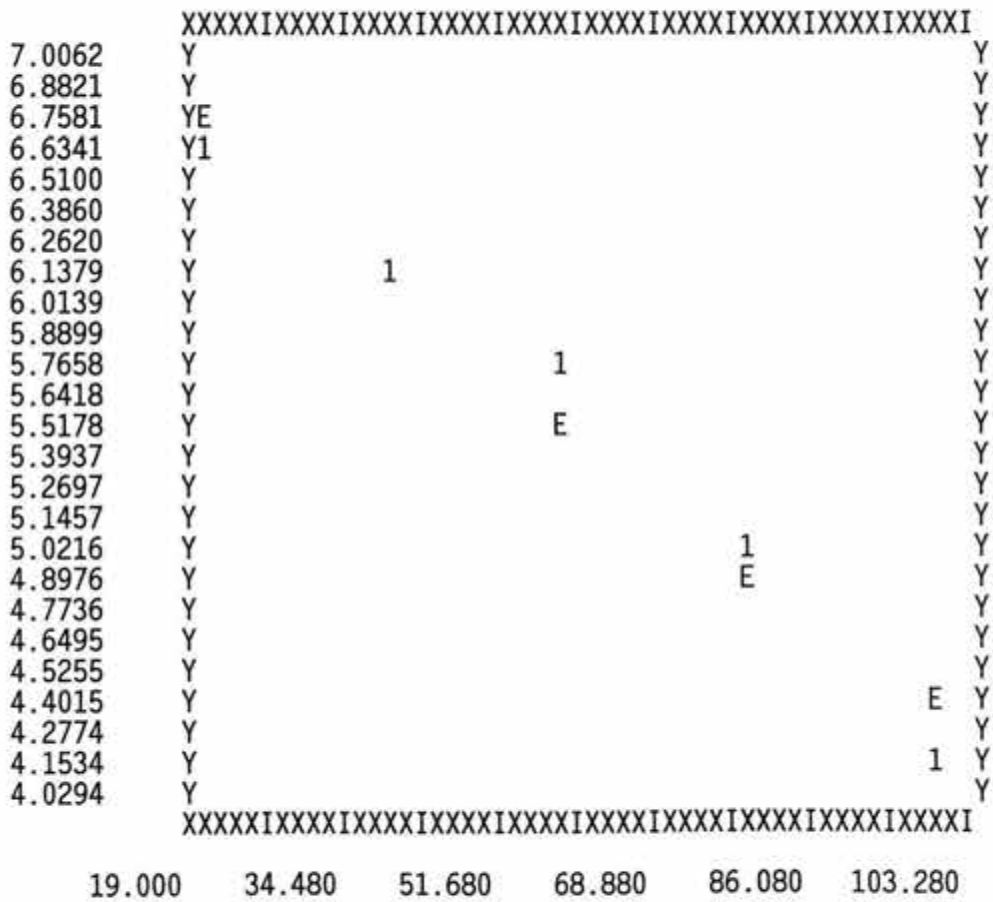
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.26457	-0.02960	0.98400	0.96825

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	700.	6.55251	6.67253
2	40.	425.	6.05444	6.08048
3	60.	300.	5.70711	5.48844
4	80.	150.	5.01728	4.89640
5	100.	60.	4.11087	4.30436



LIGHT PROFILE ANALYSES - FOR JULY 14, 1994

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STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.32	1.98

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1250.	1.0000
10	991.	0.7927
20	785.	0.6283
30	623.	0.4981
40	494.	0.3948
50	391.	0.3130
60	310.	0.2481
80	195.	0.1559
100	122.	0.0979
200	12.	0.0096

LIGHT PROFILE ANALYSES - FOR AUGUST 17, 1994

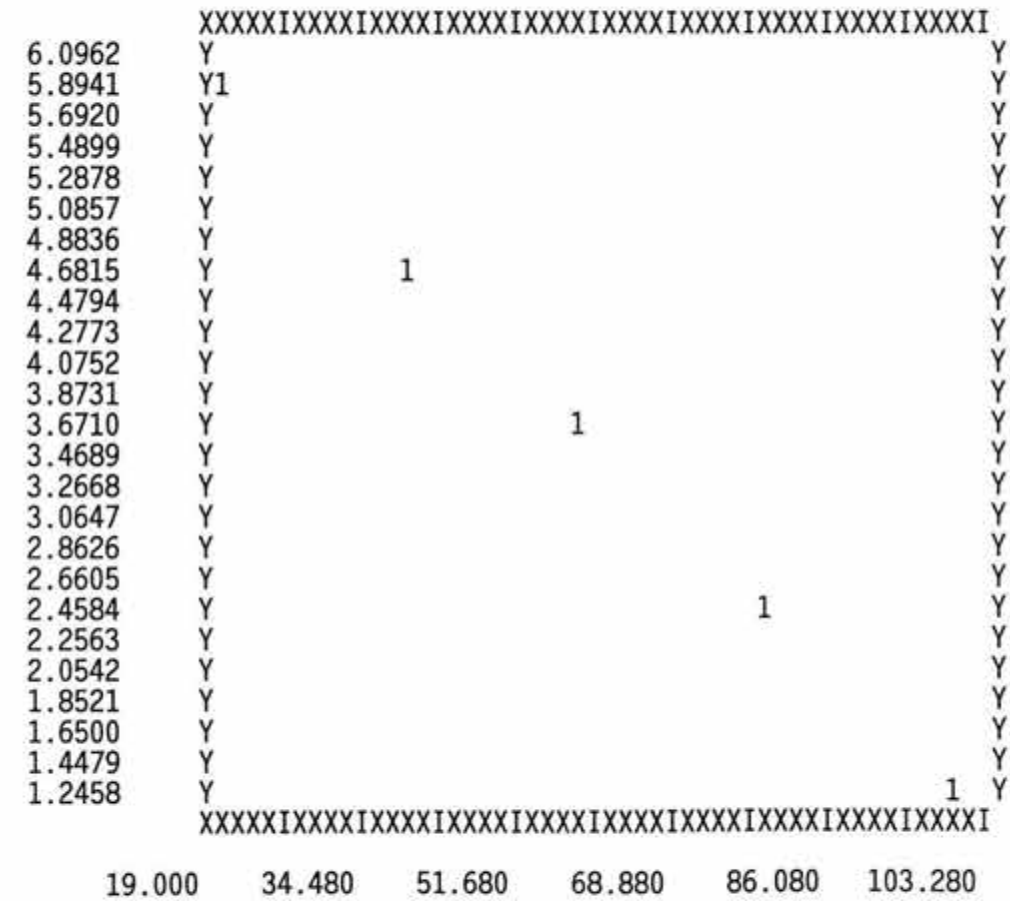
****

STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.97171	-0.05829	0.99942	0.99884

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	320.	5.77144	5.80589
2	40.	100.	4.61512	4.64007
3	60.	35.	3.58352	3.47426
4	80.	9.	2.30259	2.30844
5	100.	2.	1.09861	1.14262



LIGHT PROFILE ANALYSES - FOR AUGUST 17, 1994

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STATION 0 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
5.64	0.82

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1300.	1.0000
10	740.	0.5691
20	421.	0.3239
30	240.	0.1843
40	136.	0.1049
50	78.	0.0597
60	44.	0.0340
80	14.	0.0110
100	5.	0.0036
200	0.	0.0000

LIGHT PROFILE ANALYSES - FOR AUGUST 17, 1994

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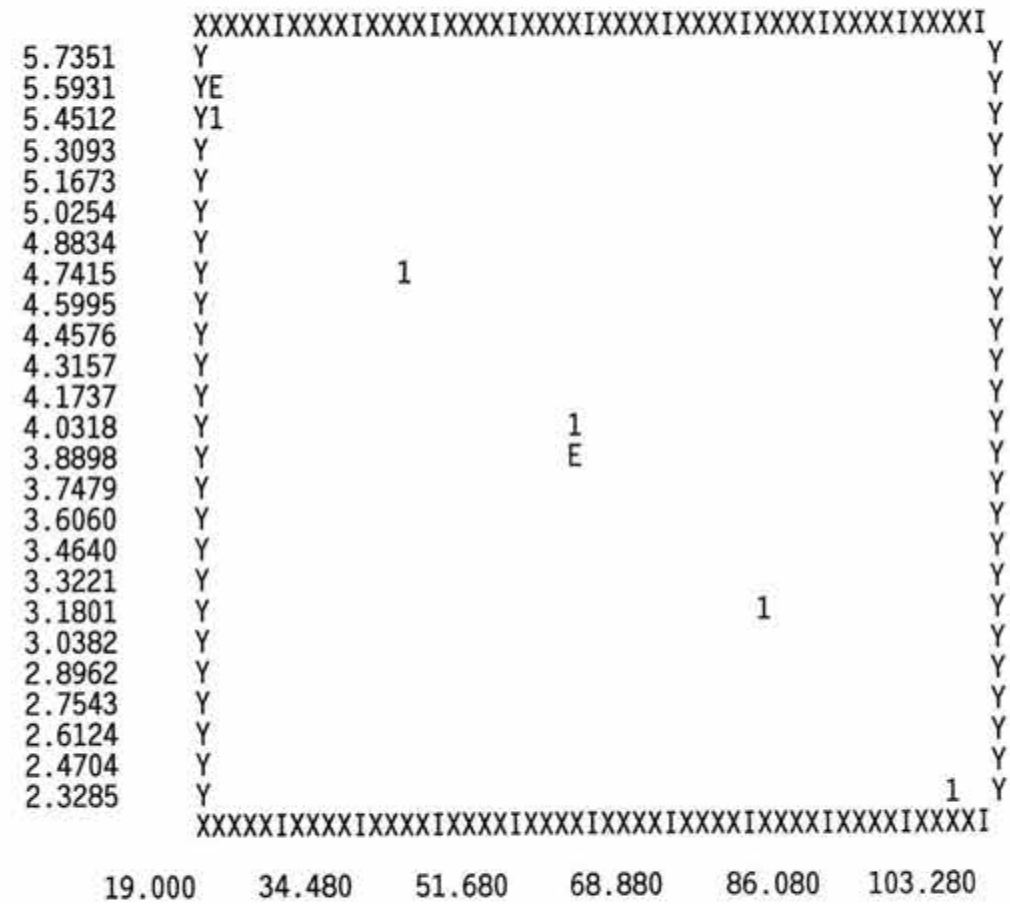
STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.25207	-0.03950	0.99937	0.99874

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	225.	5.42054	5.46198
2	40.	110.	4.70953	4.67189
3	60.	50.	3.93183	3.88180
4	80.	20.	3.04452	3.09171
5	100.	9.	2.30259	2.30162



LIGHT PROFILE ANALYSES - FOR AUGUST 17, 1994

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STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
4.12	1.12

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	850.	1.0000
10	563.	0.6623
20	373.	0.4386
30	247.	0.2905
40	164.	0.1924
50	108.	0.1274
60	72.	0.0844
80	31.	0.0370
100	14.	0.0162
200	0.	0.0003

LIGHT PROFILE ANALYSES - FOR AUGUST 17, 1994

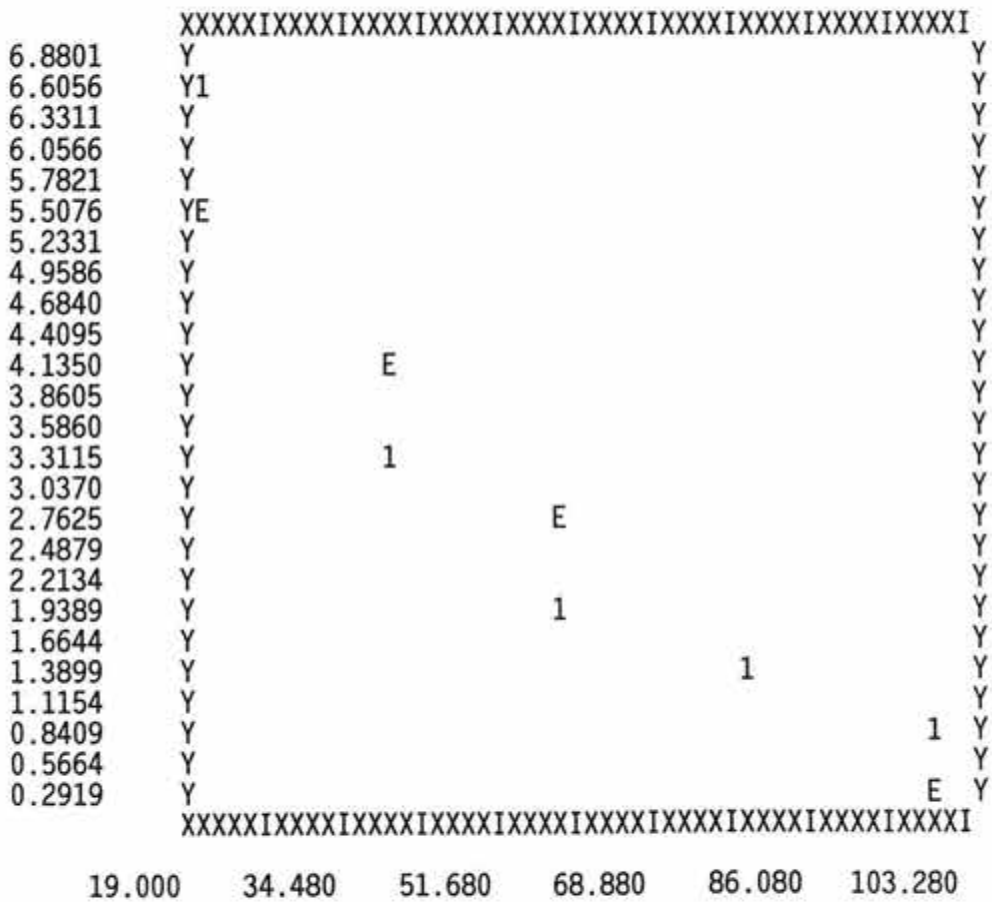
****

STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.70673	-0.06688	0.91148	0.83080

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	700.	6.55251	5.36904
2	40.	20.	3.04452	4.03134
3	60.	5.	1.79176	2.69365
4	80.	3.	1.38629	1.35595
5	100.	1.	0.69315	0.01826



LIGHT PROFILE ANALYSES - FOR AUGUST 17, 1994

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STATION 12 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
4.57	1.01

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	600.	1.0000
10	380.	0.6329
20	240.	0.4006
30	152.	0.2535
40	96.	0.1605
50	61.	0.1016
60	39.	0.0643
80	15.	0.0258
100	6.	0.0103
200	0.	0.0001

LIGHT PROFILE ANALYSES - FOR AUGUST 17, 1994

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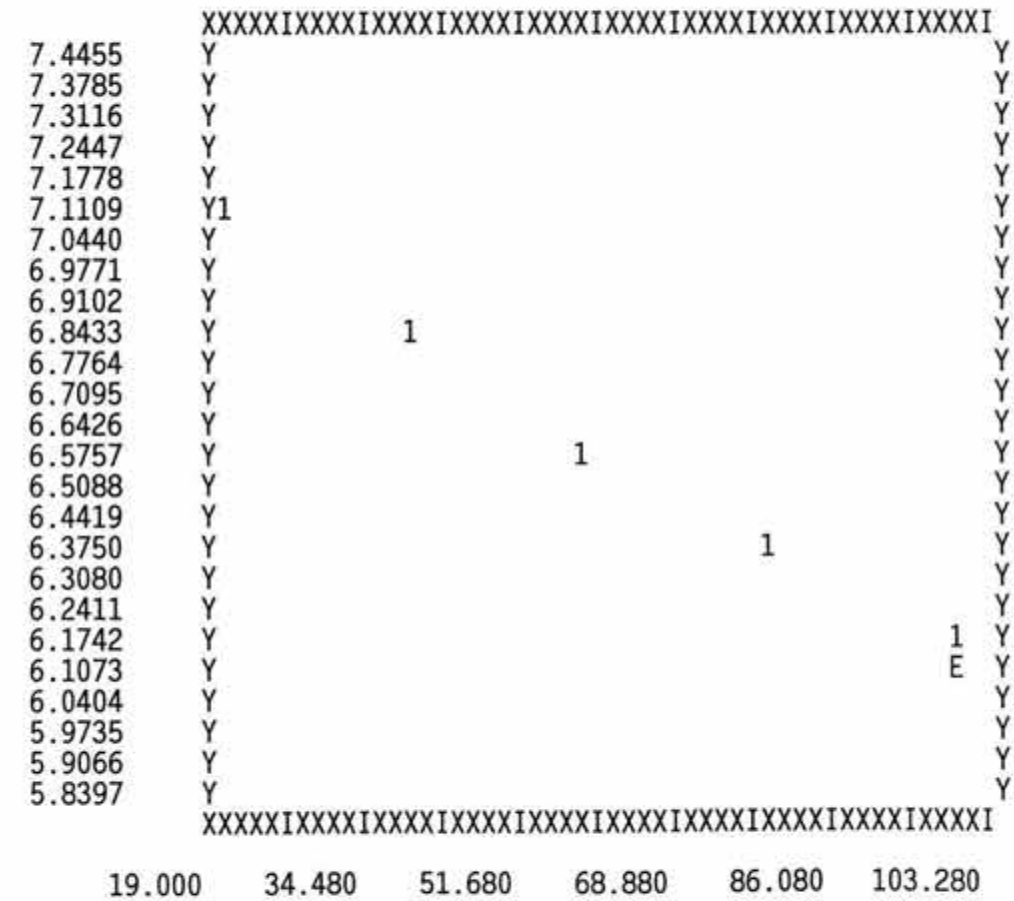
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.30196	-0.01225	0.99576	0.99153

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	1200.	7.09091	7.05689
2	40.	900.	6.80351	6.81183
3	60.	675.	6.51619	6.56676
4	80.	550.	6.31173	6.32170
5	100.	450.	6.11147	6.07663



LIGHT PROFILE ANALYSES - FOR AUGUST 17, 1994

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STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.24	3.70

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1700.	1.0000
10	1501.	0.8830
20	1326.	0.7797
30	1170.	0.6885
40	1034.	0.6080
50	913.	0.5368
60	806.	0.4740
80	628.	0.3696
100	490.	0.2882
200	141.	0.0831

LIGHT PROFILE ANALYSES - FOR SEPTEMBER 8, 1994

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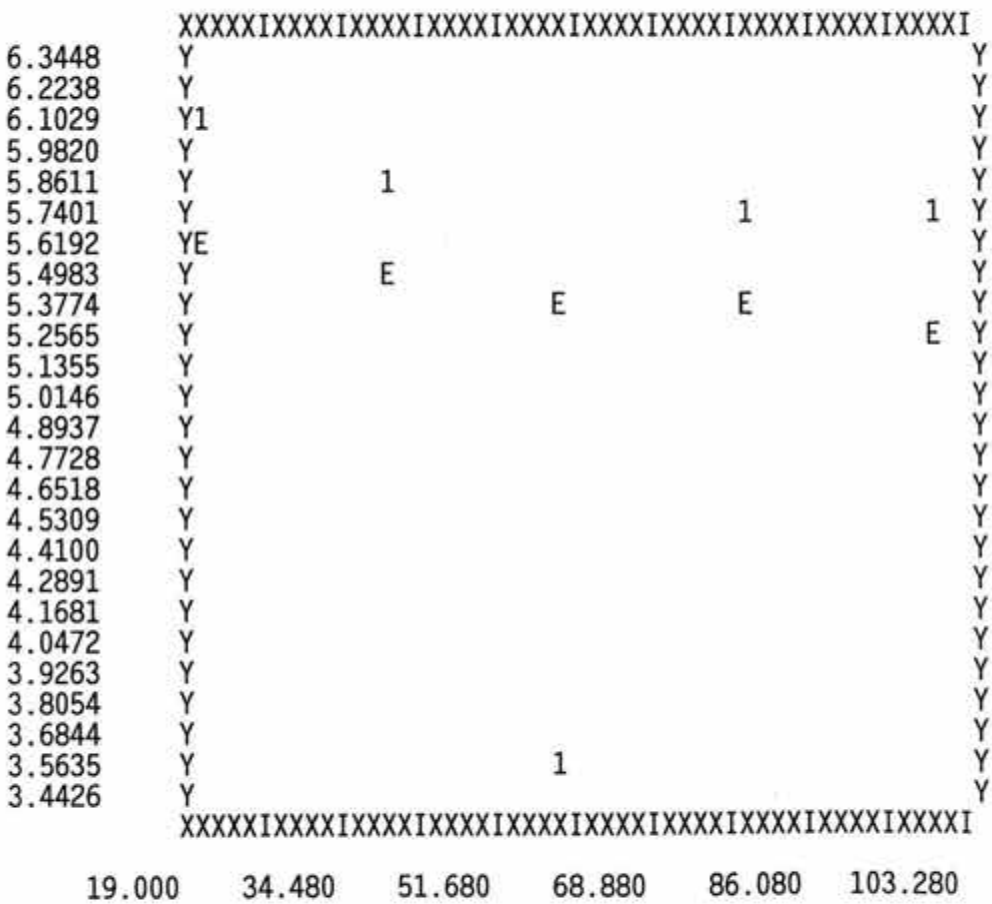
STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.60931	-0.00432	0.13047	0.01702

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	420.	6.04263	5.52297
2	40.	340.	5.83188	5.43663
3	60.	32.	3.49651	5.35029
4	80.	300.	5.70711	5.26395
5	100.	290.	5.67332	5.17761



LIGHT PROFILE ANALYSES - FOR SEPTEMBER 8, 1994

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STATION 0 o/oo

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

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1100.	1.0000
10	892.	0.8111
20	724.	0.6578
30	587.	0.5336
40	476.	0.4328
50	386.	0.3510
60	313.	0.2847
80	206.	0.1873
100	136.	0.1232
200	17.	0.0152

LIGHT PROFILE ANALYSES - FOR SEPTEMBER 8, 1994

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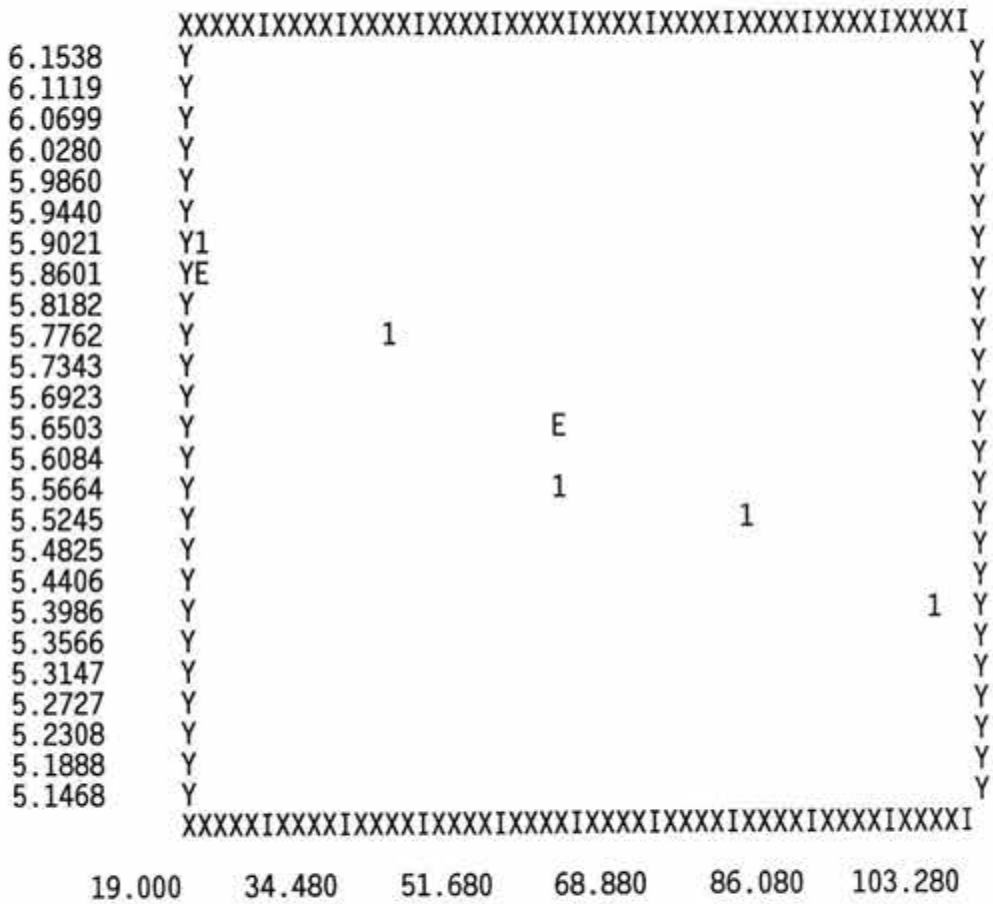
STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
5.97951	-0.00606	0.98486	0.96994

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	350.	5.86079	5.85832
2	40.	320.	5.77144	5.73713
3	60.	260.	5.56452	5.61594
4	80.	240.	5.48480	5.49475
5	100.	220.	5.39816	5.37356



LIGHT PROFILE ANALYSES - FOR SEPTEMBER 8, 1994

STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
1.30	3.54

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1050.	1.0000
10	922.	0.8780
20	809.	0.7708
30	711.	0.6767
40	624.	0.5941
50	548.	0.5216
60	481.	0.4580
80	371.	0.3530
100	286.	0.2721
200	78.	0.0740

LIGHT PROFILE ANALYSES - FOR SEPTEMBER 8, 1994

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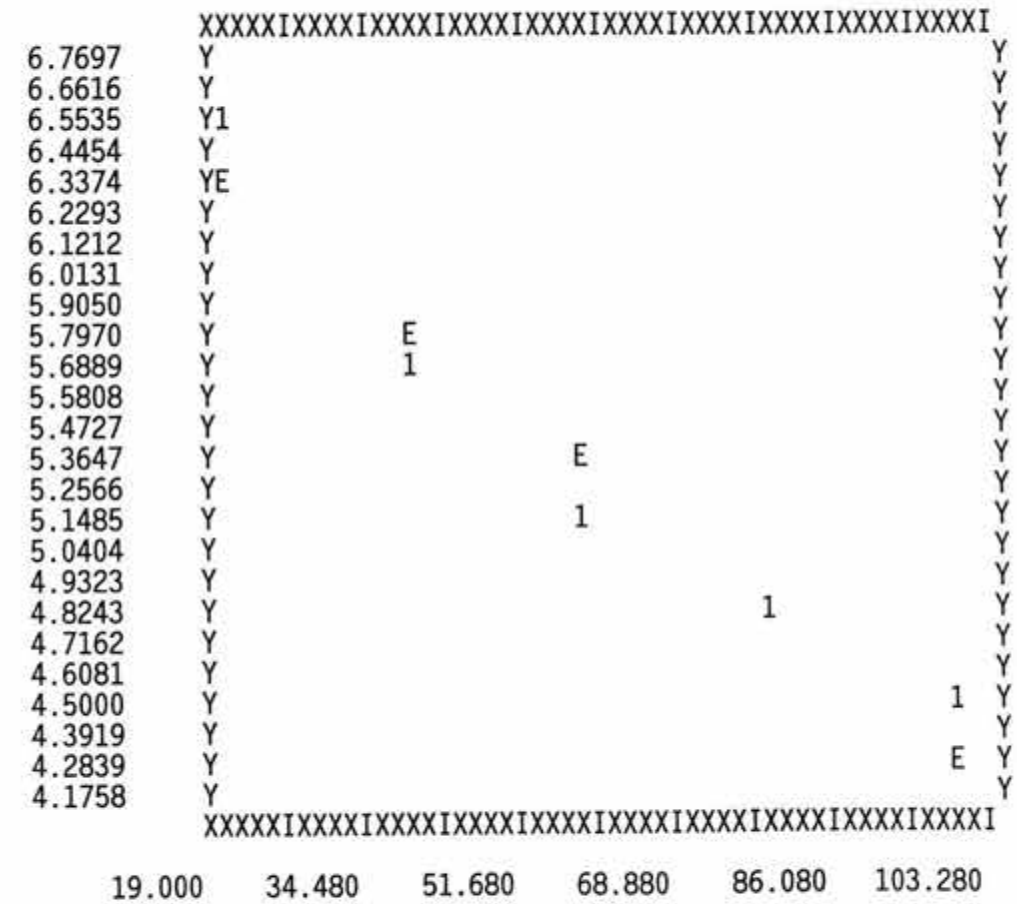
STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.73783	-0.02456	0.97788	0.95625

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	630.	6.44731	6.24662
2	40.	270.	5.60212	5.75542
3	60.	160.	5.08140	5.26421
4	80.	120.	4.79579	4.77301
5	100.	80.	4.39445	4.28181



LIGHT PROFILE ANALYSES - FOR SEPTEMBER 8, 1994

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STATION 12 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.60	1.77

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1100.	1.0000
10	848.	0.7710
20	654.	0.5945
30	504.	0.4584
40	389.	0.3534
50	300.	0.2725
60	231.	0.2101
80	137.	0.1249
100	82.	0.0743
200	6.	0.0055

LIGHT PROFILE ANALYSES - FOR SEPTEMBER 8, 1994

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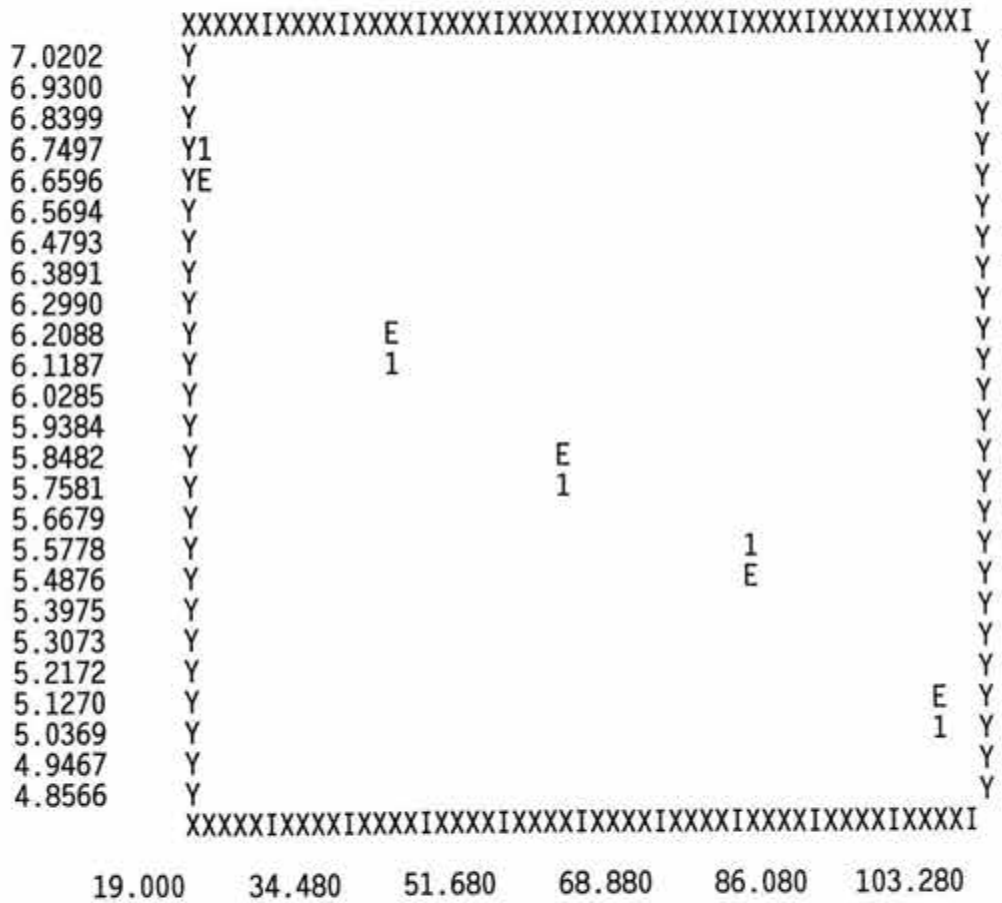
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.96050	-0.01914	0.98148	0.96331

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	800.	6.68586	6.57780
2	40.	425.	6.05444	6.19509
3	60.	310.	5.73979	5.81238
4	80.	260.	5.56452	5.42967
5	100.	150.	5.01728	5.04696



LIGHT PROFILE ANALYSES - FOR SEPTEMBER 8, 1994

STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.25	2.05

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1513.	1.0000
10	1209.	0.7988
20	965.	0.6381
30	771.	0.5097
40	616.	0.4072
50	492.	0.3253
60	393.	0.2598
80	251.	0.1658
100	160.	0.1058
200	17.	0.0112

LIGHT PROFILE ANALYSES - FOR OCTOBER 4, 1994

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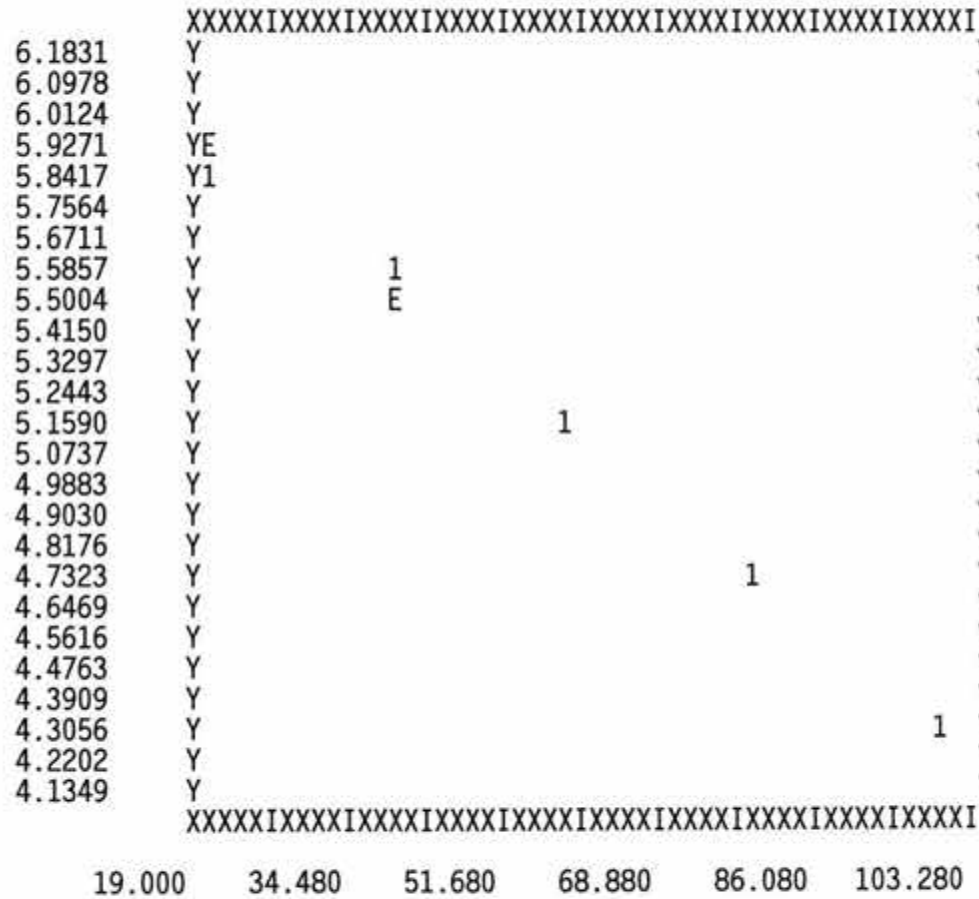
STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.28802	-0.01997	0.99683	0.99367

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	340.	5.83188	5.88868
2	40.	260.	5.56452	5.48934
3	60.	160.	5.08140	5.09000
4	80.	110.	4.70953	4.69066
5	100.	70.	4.26268	4.29133



LIGHT PROFILE ANALYSES - FOR OCTOBER 4, 1994

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STATION 0 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.63	1.75

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	920.	1.0000
10	708.	0.7690
20	544.	0.5914
30	418.	0.4548
40	322.	0.3498
50	247.	0.2690
60	190.	0.2069
80	113.	0.1223
100	67.	0.0724
200	5.	0.0052

LIGHT PROFILE ANALYSES - FOR OCTOBER 4, 1994

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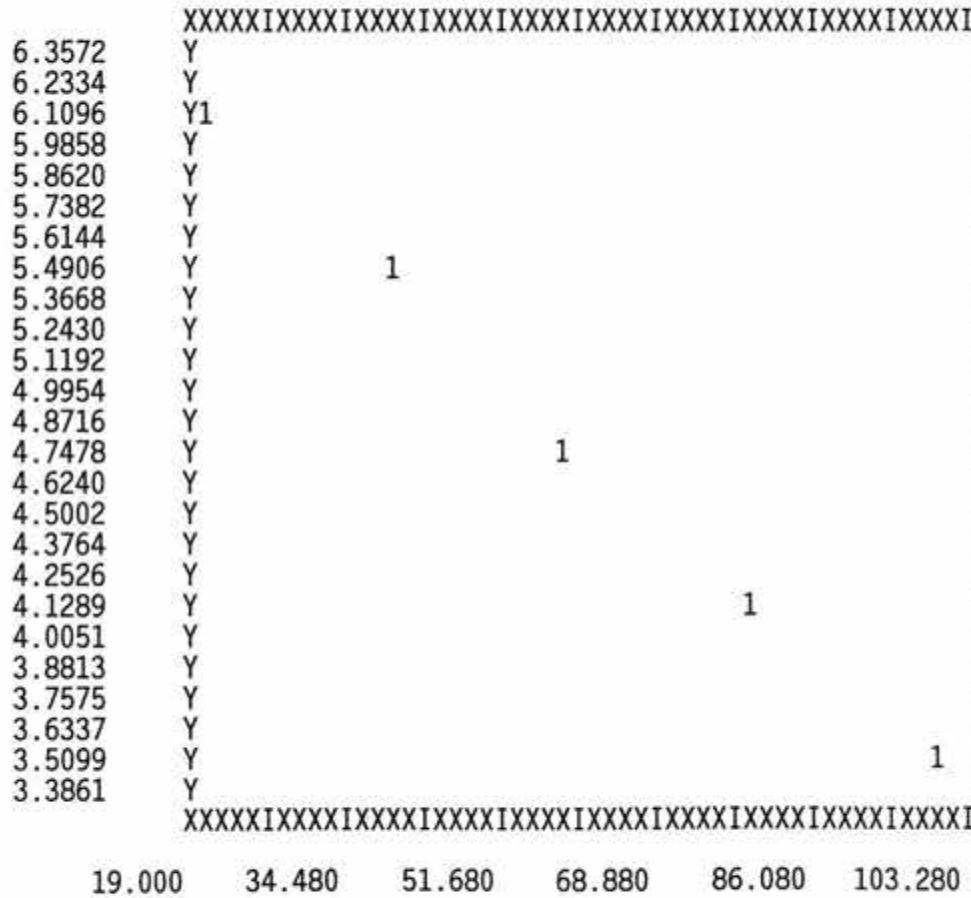
STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.69986	-0.03264	0.99981	0.99963

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	425.	6.05444	6.04704
2	40.	220.	5.39816	5.39422
3	60.	110.	4.70953	4.74140
4	80.	60.	4.11087	4.08858
5	100.	30.	3.43399	3.43576



LIGHT PROFILE ANALYSES - FOR OCTOBER 4, 1994

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STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
3.77	1.22

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1750.	1.0000
10	1200.	0.6860
20	823.	0.4705
30	565.	0.3228
40	387.	0.2214
50	266.	0.1519
60	182.	0.1042
80	86.	0.0490
100	40.	0.0231
200	1.	0.0005

LIGHT PROFILE ANALYSES - FOR OCTOBER 4, 1994

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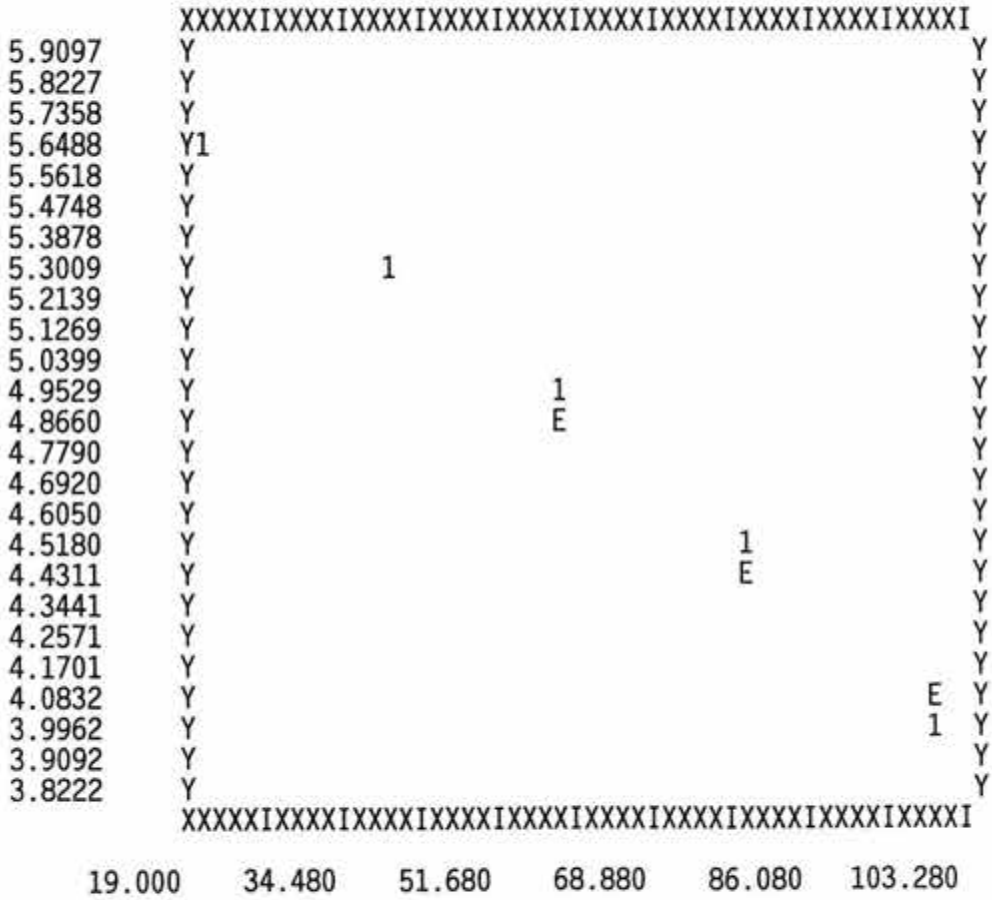
STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.02898	-0.02003	0.99293	0.98590

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	260.	5.56452	5.62829
2	40.	190.	5.25227	5.22762
3	60.	130.	4.87520	4.82694
4	80.	90.	4.51086	4.42626
5	100.	50.	3.93183	4.02558



LIGHT PROFILE ANALYSES - FOR OCTOBER 4, 1994

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STATION 12 o/oo

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

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	750.	1.0000
10	586.	0.7810
20	457.	0.6100
30	357.	0.4764
40	279.	0.3721
50	218.	0.2906
60	170.	0.2270
80	104.	0.1384
100	63.	0.0844
200	5.	0.0071

LIGHT PROFILE ANALYSES - FOR OCTOBER 4, 1994

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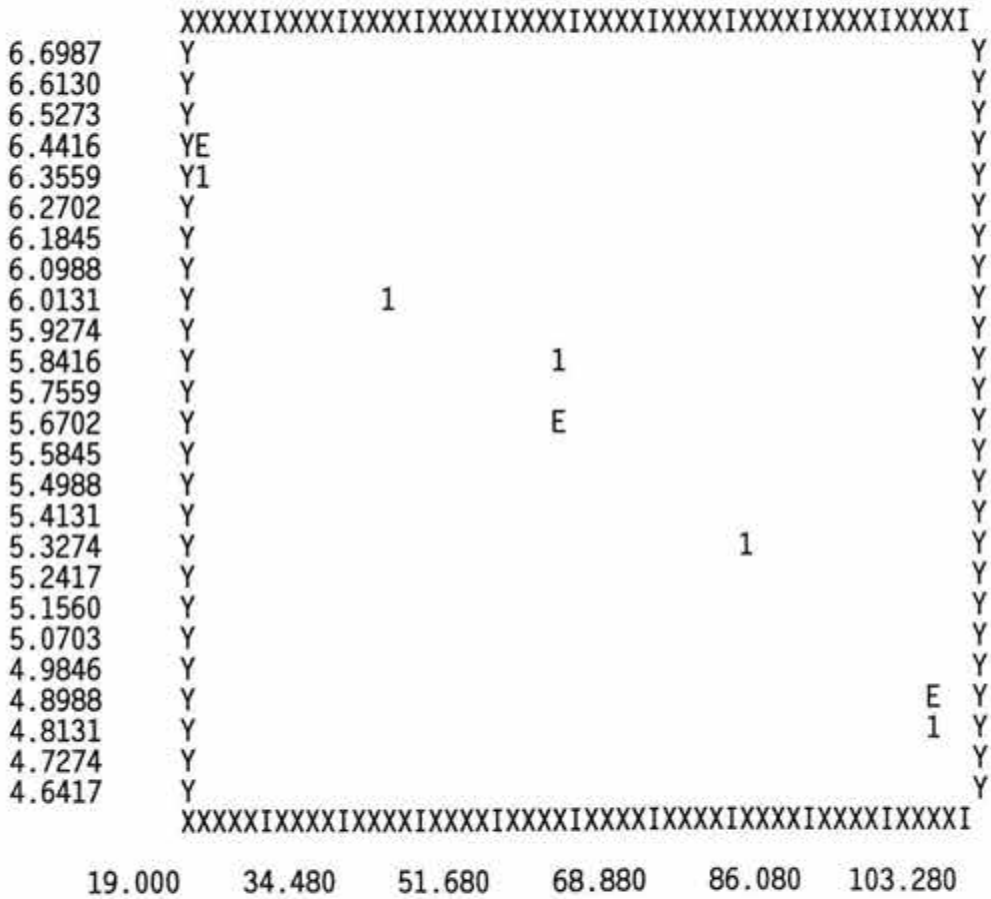
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.75201	-0.01861	0.98795	0.97605

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	550.	6.31173	6.37975
2	40.	400.	5.99396	6.00750
3	60.	320.	5.77144	5.63525
4	80.	200.	5.30330	5.26299
5	100.	120.	4.79579	4.89074



LIGHT PROFILE ANALYSES - FOR OCTOBER 4, 1994

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STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.35	1.96

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1760.	1.0000
10	1391.	0.7903
20	1099.	0.6245
30	869.	0.4935
40	686.	0.3900
50	542.	0.3082
60	429.	0.2436
80	268.	0.1521
100	167.	0.0950
200	16.	0.0090

LIGHT PROFILE ANALYSES - FOR NOVEMBER 3, 1994

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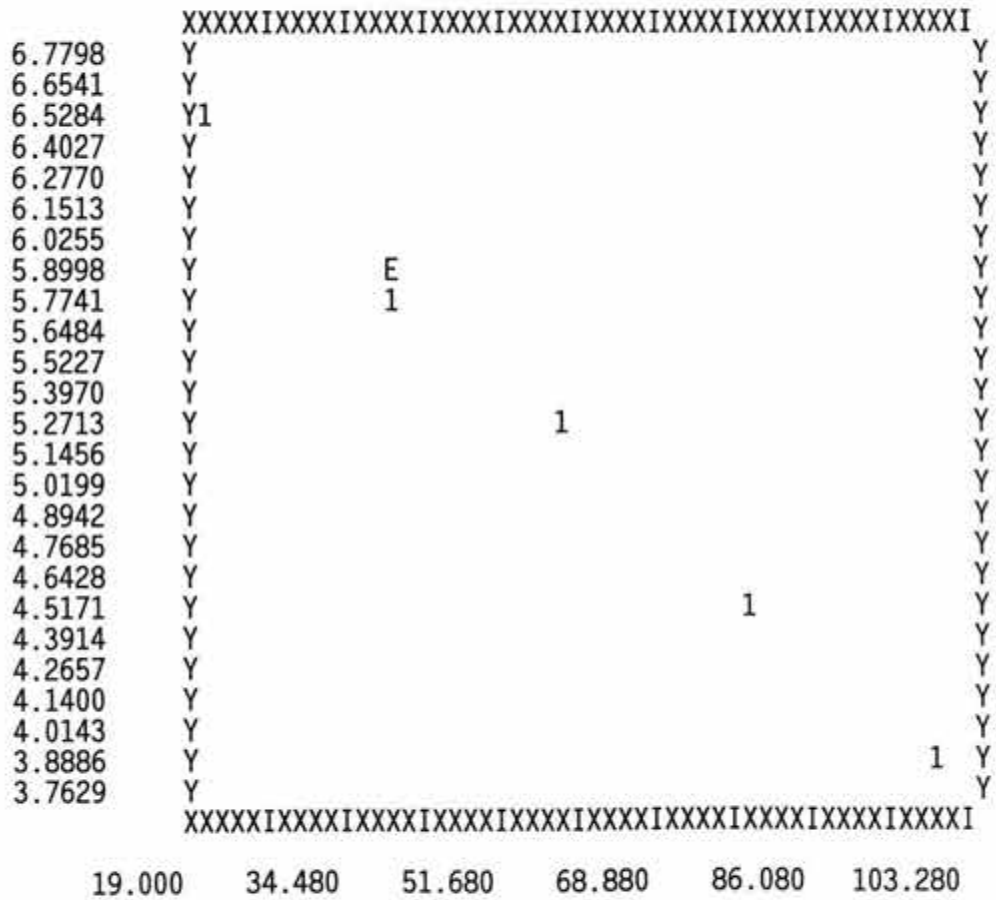
STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.10512	-0.03241	0.99865	0.99731

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	625.	6.43935	6.45692
2	40.	320.	5.77144	5.80871
3	60.	190.	5.25227	5.16051
4	80.	90.	4.51086	4.51231
5	100.	45.	3.82864	3.86411



LIGHT PROFILE ANALYSES - FOR NOVEMBER 3, 1994

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STATION 0 o/oo

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

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1730.	1.0000
10	1250.	0.7225
20	903.	0.5220
30	652.	0.3772
40	471.	0.2725
50	341.	0.1969
60	246.	0.1422
80	128.	0.0743
100	67.	0.0388
200	3.	0.0015

LIGHT PROFILE ANALYSES - FOR NOVEMBER 3, 1994

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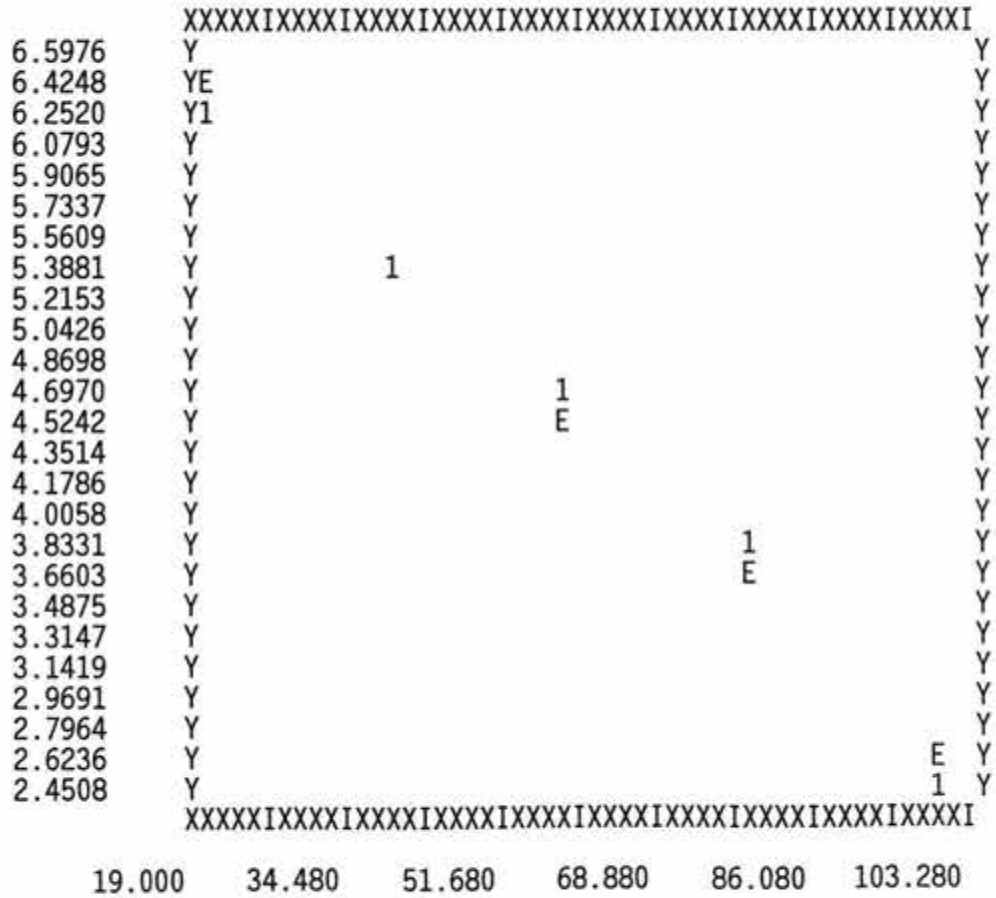
STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
7.20077	-0.04587	0.99285	0.98574

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	475.	6.16542	6.28344
2	40.	210.	5.35186	5.36611
3	60.	100.	4.61512	4.44877
4	80.	40.	3.71357	3.53144
5	100.	10.	2.39790	2.61411



LIGHT PROFILE ANALYSES - FOR NOVEMBER 3, 1994

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STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
4.10	1.12

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1525.	1.0000
10	1012.	0.6638
20	672.	0.4406
30	446.	0.2924
40	296.	0.1941
50	196.	0.1288
60	130.	0.0855
80	57.	0.0377
100	25.	0.0166
200	0.	0.0003

LIGHT PROFILE ANALYSES - FOR NOVEMBER 3, 1994

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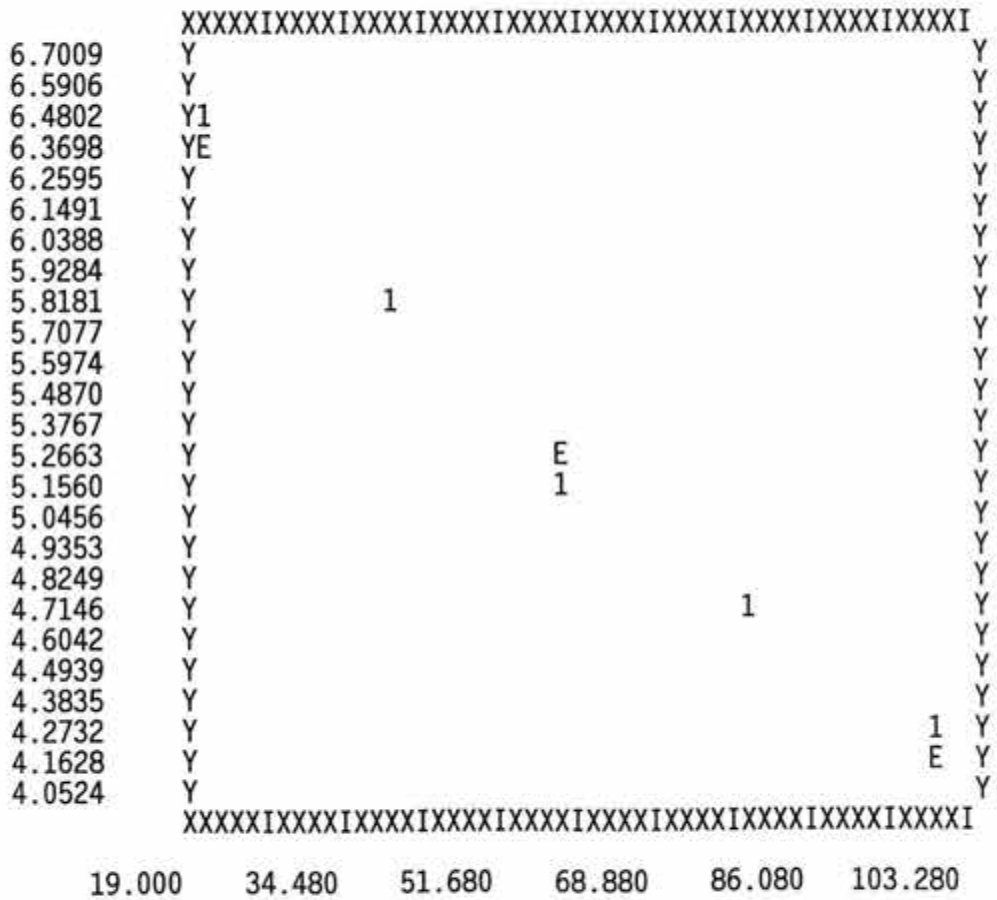
STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.87269	-0.02723	0.99760	0.99520

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	590.	6.38182	6.32807
2	40.	320.	5.77144	5.78345
3	60.	170.	5.14166	5.23882
4	80.	110.	4.70953	4.69420
5	100.	65.	4.18965	4.14957



LIGHT PROFILE ANALYSES - FOR NOVEMBER 3, 1994

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STATION 12 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.61	1.77

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1450.	1.0000
10	1117.	0.7706
20	861.	0.5938
30	664.	0.4576
40	511.	0.3526
50	394.	0.2717
60	304.	0.2094
80	180.	0.1243
100	107.	0.0738
200	8.	0.0055

LIGHT PROFILE ANALYSES - FOR NOVEMBER 3, 1994

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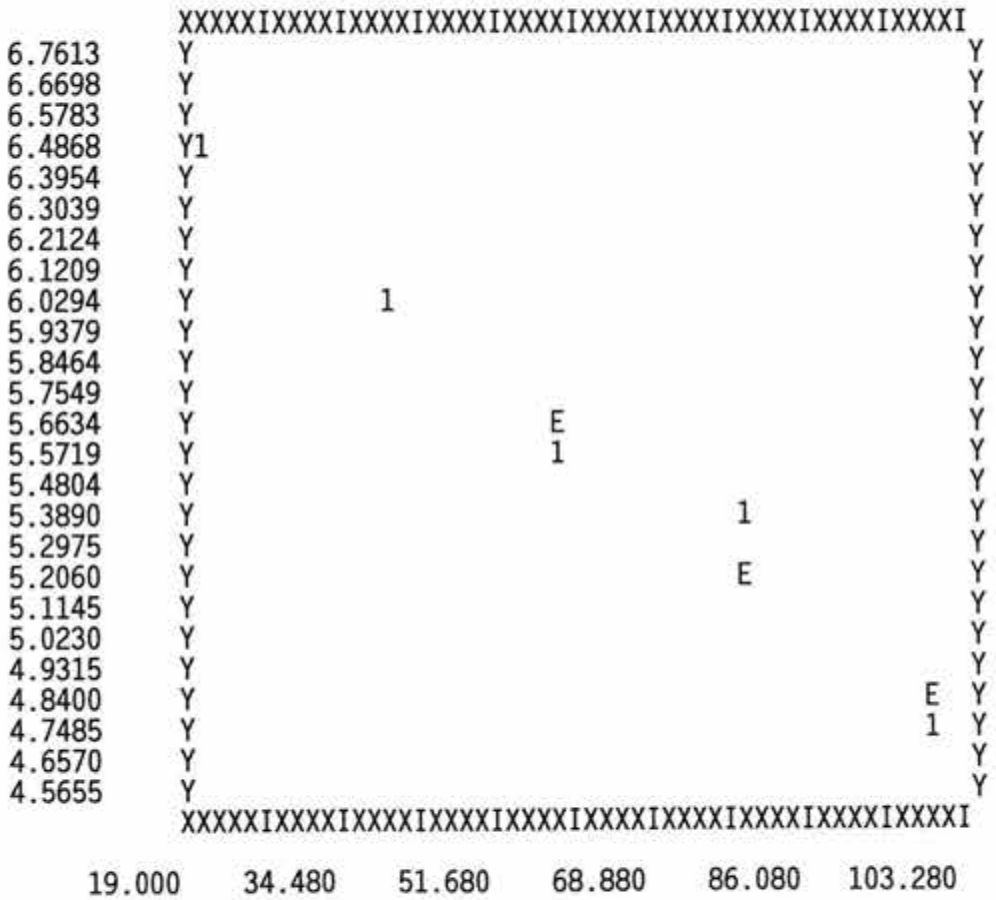
STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.84722	-0.02075	0.99441	0.98885

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	625.	6.43935	6.43219
2	40.	400.	5.99396	6.01716
3	60.	260.	5.56452	5.60213
4	80.	200.	5.30330	5.18710
5	100.	110.	4.70953	4.77207



LIGHT PROFILE ANALYSES - FOR NOVEMBER 3, 1994

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STATION 20 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
2.05	2.25

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1250.	1.0000
10	1019.	0.8150
20	830.	0.6642
30	677.	0.5413
40	551.	0.4411
50	449.	0.3595
60	366.	0.2930
80	243.	0.1946
100	162.	0.1292
200	21.	0.0167

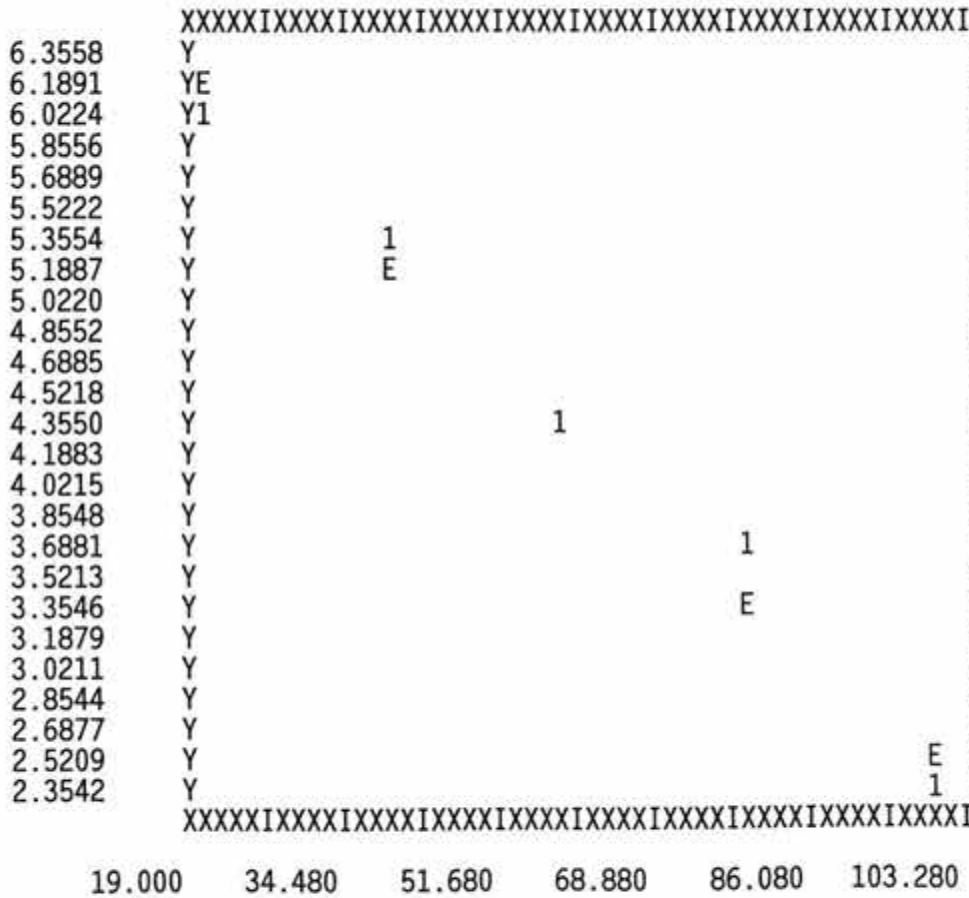
LIGHT PROFILE ANALYSES - FOR DECEMBER 7, 1994

STATION 0 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.95296	-0.04499	0.99477	0.98957

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	400.	5.99396	6.05319
2	40.	180.	5.19850	5.15342
3	60.	65.	4.18965	4.25364
4	80.	35.	3.58352	3.35387
5	100.	9.	2.30259	2.45410



LIGHT PROFILE ANALYSES - FOR DECEMBER 7, 1994

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STATION 0 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
4.34	1.06

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1500.	1.0000
10	972.	0.6480
20	630.	0.4200
30	408.	0.2721
40	265.	0.1764
50	171.	0.1143
60	111.	0.0741
80	47.	0.0311
100	20.	0.0131
200	0.	0.0002

LIGHT PROFILE ANALYSES - FOR DECEMBER 7, 1994

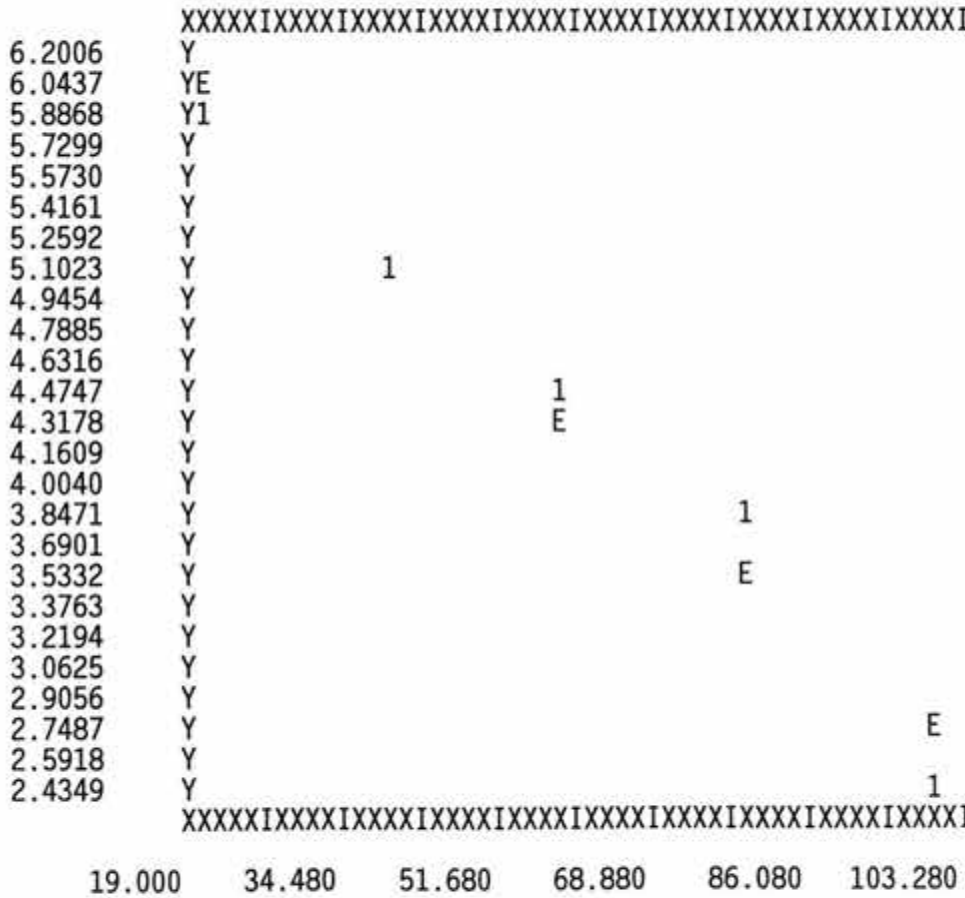
****

STATION 6 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.72252	-0.04086	0.98895	0.97801

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	340.	5.83188	5.90535
2	40.	150.	5.01728	5.08818
3	60.	80.	4.39445	4.27102
4	80.	40.	3.71357	3.45385
5	100.	10.	2.39790	2.63668



LIGHT PROFILE ANALYSES - FOR DECEMBER 7, 1994

****

STATION 6 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
4.10	1.12

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1340.	1.0000
10	889.	0.6634
20	590.	0.4401
30	391.	0.2919
40	260.	0.1937
50	172.	0.1285
60	114.	0.0852
80	50.	0.0375
100	22.	0.0165
200	0.	0.0003

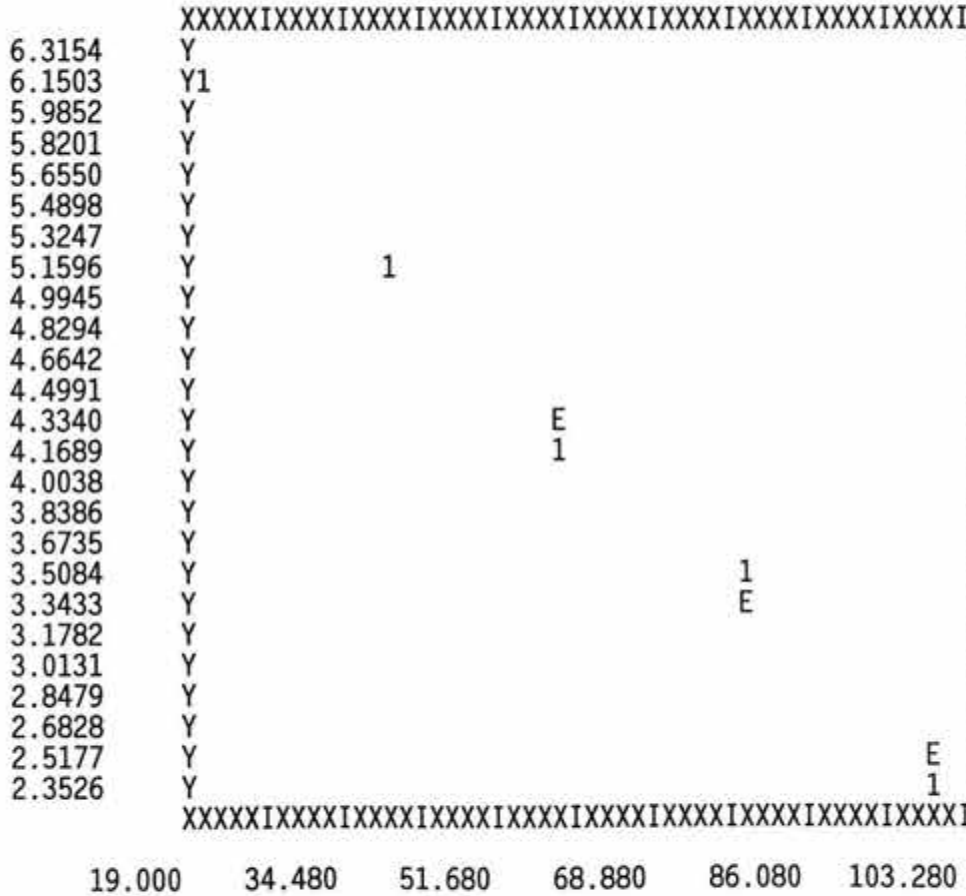
LIGHT PROFILE ANALYSES - FOR DECEMBER 7, 1994

STATION 12 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.92374	-0.04545	0.99781	0.99563

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	400.	5.99396	6.01470
2	40.	170.	5.14166	5.10566
3	60.	60.	4.11087	4.19661
4	80.	30.	3.43399	3.28757
5	100.	9.	2.30259	2.37853



LIGHT PROFILE ANALYSES - FOR DECEMBER 7, 1994

****

STATION 12 o/oo

MEAN EXT. COEF.	ONE PERCENT LIGHT DEPTH(M)
4.34	1.06

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1350.	1.0000
10	874.	0.6477
20	566.	0.4195
30	367.	0.2717
40	238.	0.1760
50	154.	0.1140
60	100.	0.0738
80	42.	0.0310
100	18.	0.0130
200	0.	0.0002

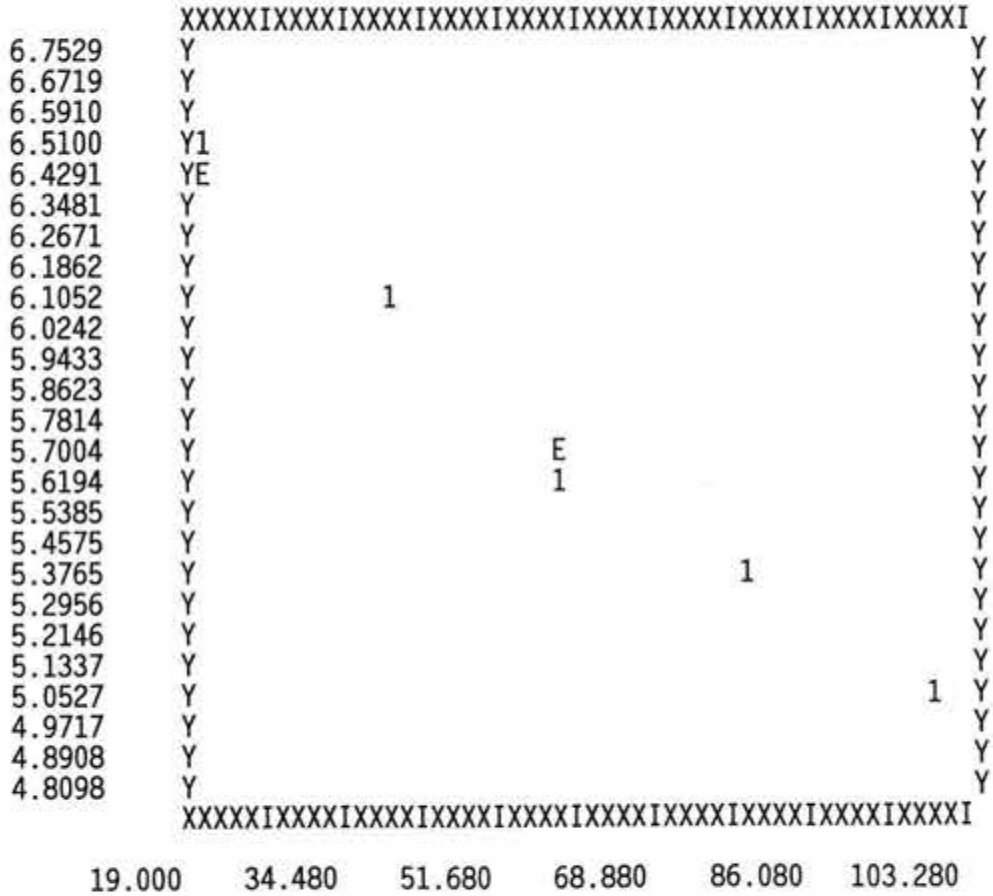
LIGHT PROFILE ANALYSES - FOR DECEMBER 7, 1994

STATION 20 o/oo

COEFFICIENTS FOR THE LINE Y = A + BX

A	B	R	R SQUARED
6.76039	-0.01783	0.99210	0.98425

N	X = DEPTH	Y = LIGHT (ME)	LOG VALUE Y	EXPECTED Y
1	20.	620.	6.43133	6.40386
2	40.	440.	6.08905	6.04734
3	60.	260.	5.56452	5.69081
4	80.	210.	5.35186	5.33428
5	100.	150.	5.01728	4.97775



LIGHT PROFILE ANALYSES - FOR DECEMBER 7, 1994

STATION 20 o/oo

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

PREDICTED VALUES

DEPTH (cm)	MICRO EINSTEINS	PERCENT OF SURFACE
0	1250.	1.0000
10	1035.	0.8278
20	857.	0.6853
30	709.	0.5673
40	587.	0.4697
50	486.	0.3888
60	402.	0.3219
80	276.	0.2206
100	189.	0.1512
200	29.	0.0229

APPENDIX B

COMPLETE ANALYSIS OF CARBON UPTAKE AND CHLOROPHYLL a

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 1 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.4

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	2.33	2.22	2.22	95.3	95.3
2	2.13	2.09	1.99	98.1	93.8
3	2.47	2.41	2.42	97.5	97.9
4	2.00	1.85	1.84	92.3	91.9
5	2.19	2.09	2.05	95.1	93.7
MEAN	2.23	2.13	2.11	95.6	94.5
SD	0.16	0.18	0.20	2.0	2.0

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	108.95	4.9

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 1 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	2.23	2.13	2.11	95.6	94.5	95.7	94.6
CHLOROPHYLL a	2.1	2.0	2.0			95.2	95.2
C-14 DARK	0.11						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.10	0.02	2.11	4.3	1.1	94.6
CHLOROPHYLL a	0.10	0.00	2.00	4.8	0.0	95.2
RATIOS	0.95	0.00	1.05	0.90	0.00	0.99

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 1 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	6.59	3.14
MGC/M-3/EM-2	2.23	1.06
MGC/M-3/DAY	56.69	27.00
MGC/M-3/MONTH	1328.34	632.55
MGC/M-2/DAY	28.35	13.50
MGC/M-2/MONTH	664.17	316.27

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 1 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 6.0

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	63.69	60.98	59.10	95.8	92.8
2	65.09	64.80	63.52	99.6	97.6
3	68.10	64.92	67.16	95.3	98.6
4	57.40	57.09	55.57	99.5	96.8
5	68.98	69.16	69.15	100.3	100.3
MEAN	64.65	63.39	62.90	98.1	97.2
SD	4.11	4.07	5.01	2.1	2.5

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	1217.18	1.9

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 1 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	64.65	63.39	62.90	98.1	97.2	98.1	97.3
CHLOROPHYLL a	50.0	47.3	43.3			94.6	86.6
C-14 DARK	1.22						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	1.26	0.49	62.90	1.9	0.8	97.3
CHLOROPHYLL a	2.70	4.00	43.30	5.4	8.0	86.6
RATIOS	0.47	0.12	1.45	0.36	0.09	1.12

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 1 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	168.98	3.38
MGC/M-3/EM-2	64.65	1.29
MGC/M-3/DAY	1646.65	32.93
MGC/M-3/MONTH	38583.38	771.67
MGC/M-2/DAY	3033.31	60.67
MGC/M-2/MONTH	71075.00	1421.50

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 1 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 12.0

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	7.05	6.42	6.21	91.1	88.0
2	6.28	6.25	5.97	99.5	95.1
3	6.94	6.81	6.53	98.2	94.1
4	3.37	3.39	3.46	100.6	102.8
MEAN	5.91	5.72	5.54	97.3	95.0
SD	1.50	1.36	1.22	3.7	5.3

PRIMARY PRODUCTIVITY DARK BOTTLES
UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	143.66	2.4

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 1 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	5.91	5.72	5.54	97.3	95.0	96.8	93.8
CHLOROPHYLL a	3.7	3.7	3.4			100.0	91.9
C-14 DARK	0.14						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.19	0.17	5.54	3.2	3.0	93.8
CHLOROPHYLL a	0.00	0.30	3.40	0.0	8.1	91.9
RATIOS	0.00	0.58	1.63	0.00	0.36	1.02

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 1 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	13.70	3.70
MGC/M-3/EM-2	5.91	1.60
MGC/M-3/DAY	150.46	40.67
MGC/M-3/MONTH	3525.60	952.87
MGC/M-2/DAY	374.75	101.28
MGC/M-2/MONTH	8781.01	2373.25

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 1 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 22.9

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	6.81	6.29	5.71	92.3	83.8
2	7.19	7.39	6.71	102.9	93.4
3	7.58	7.28	6.62	96.0	87.3
4	6.89	6.75	6.67	98.1	96.8
5	9.43	8.03	7.09	85.2	75.2
MEAN	7.58	7.15	6.56	94.9	87.3
SD	0.96	0.59	0.46	5.9	7.6

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	208.99	2.8

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 1 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	7.58	7.15	6.56	94.9	87.3	94.3	86.5
CHLOROPHYLL a	5.0	4.4	3.8			88.0	76.0
C-14 DARK	0.21						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.43	0.59	6.56	5.7	7.8	86.5
CHLOROPHYLL a	0.60	0.60	3.80	12.0	12.0	76.0
RATIOS	0.71	0.99	1.73	0.47	0.65	1.14

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 1 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	14.81	2.96
MGC/M-3/EM-2	7.58	1.52
MGC/M-3/DAY	193.02	38.60
MGC/M-3/MONTH	4522.83	904.57
MGC/M-2/DAY	840.73	168.15
MGC/M-2/MONTH	19699.62	3939.92

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 2 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.1

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	5.25	5.04	4.51	95.9	86.0
2	5.19	4.86	4.63	93.6	89.1
3	5.11	5.22	4.49	102.1	87.8
4	5.35	5.09	4.59	95.2	85.8
5	5.80	5.31	4.72	91.5	81.3
MEAN	5.34	5.10	4.59	95.7	86.0
SD	0.24	0.15	0.08	3.6	2.6

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	161.35	3.0

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 2 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	5.34	5.10	4.59	95.7	86.0	95.5	85.9
CHLOROPHYLL a	4.3	4.1	3.2			95.3	74.4
C-14 DARK	0.16						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.24	0.52	4.59	4.5	9.7	85.9
CHLOROPHYLL a	0.20	0.90	3.20	4.7	20.9	74.4
RATIOS	1.19	0.57	1.43	0.96	0.46	1.15

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 2 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	19.70	4.58
MGC/M-3/EM-2	5.34	1.24
MGC/M-3/DAY	160.36	37.29
MGC/M-3/MONTH	3668.65	853.17
MGC/M-2/DAY	298.97	69.53
MGC/M-2/MONTH	6839.96	1590.69

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 2 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 5.9

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	9.41	8.36	7.10	88.9	75.5
2	11.35	10.08	9.34	88.8	82.3
3	9.36	9.30	8.69	99.3	92.8
4	7.76	8.87	7.84	114.3	101.0
5	8.31	8.21	7.14	98.8	86.0
MEAN	9.24	8.96	8.02	98.0	87.5
SD	1.23	0.68	0.87	9.3	8.7

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	298.08	3.2

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 2 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	9.24	8.96	8.02	98.0	87.5	97.0	86.8
CHLOROPHYLL a	2.9	2.9	2.7			100.0	93.1
C-14 DARK	0.30						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.27	0.94	8.02	3.0	10.2	86.8
CHLOROPHYLL a	0.00	0.20	2.70	0.0	6.9	93.1
RATIOS	0.00	4.71	2.97	0.00	1.48	0.93

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 2 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	31.78	10.96
MGC/M-3/EM-2	9.24	3.18
MGC/M-3/DAY	277.28	95.61
MGC/M-3/MONTH	6343.59	2187.45
MGC/M-2/DAY	347.47	119.82
MGC/M-2/MONTH	7949.51	2741.21

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 2 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 10.9

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	8.06	7.37	6.90	91.4	85.6
2	9.00	9.29	7.65	103.2	85.0
3	8.59	7.08	7.58	82.5	88.3
4	8.57	8.26	7.26	96.4	84.8
5	8.61	7.97	7.18	92.5	83.3
MEAN	8.57	7.99	7.31	93.2	85.4
SD	0.30	0.77	0.28	6.8	1.6

PRIMARY PRODUCTIVITY DARK BOTTLES
UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	255.52	3.0

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 2 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	8.57	7.99	7.31	93.2	85.4	93.3	85.4
CHLOROPHYLL a	3.1	3.1	2.7			100.0	87.1
C-14 DARK	0.26						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.57	0.68	7.31	6.7	7.9	85.4
CHLOROPHYLL a	0.00	0.40	2.70	0.0	12.9	87.1
RATIOS	0.00	1.69	2.71	0.00	0.61	0.98

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 2 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	25.16	8.12
MGC/M-3/EM-2	8.57	2.76
MGC/M-3/DAY	257.15	82.95
MGC/M-3/MONTH	5883.18	1897.80
MGC/M-2/DAY	415.41	134.00
MGC/M-2/MONTH	9503.88	3065.77

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 2 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 19.6

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	14.50	13.20	12.71	91.1	87.7
2	15.61	13.02	12.54	83.4	80.3
3	15.63	12.78	10.83	81.8	69.3
4	13.51	11.70	10.64	86.6	78.7
5	16.02	13.76	11.91	85.9	74.3
MEAN	15.06	12.89	11.73	85.7	78.1
SD	0.92	0.68	0.86	3.2	6.1

PRIMARY PRODUCTIVITY DARK BOTTLES
UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	676.96	4.5

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 2 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	15.06	12.89	11.73	85.7	78.1	85.6	77.9
CHLOROPHYLL a	3.7	3.1	2.9			83.8	78.4
C-14 DARK	0.68						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	2.16	1.17	11.73	14.4	7.7	77.9
CHLOROPHYLL a	0.60	0.20	2.90	16.2	5.4	78.4
RATIOS	3.60	5.83	4.04	0.89	1.43	0.99

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 2 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	39.19	10.59
MGC/M-3/EM-2	15.06	4.07
MGC/M-3/DAY	451.95	122.15
MGC/M-3/MONTH	10339.81	2794.54
MGC/M-2/DAY	879.47	237.69
MGC/M-2/MONTH	20120.48	5437.97

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 3 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.1

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	4.20	4.06	3.26	96.6	77.6
2	4.34	4.23	3.32	97.5	76.4
3	3.39	3.25	2.63	95.9	77.5
4	3.45	3.45	2.83	100.1	82.1
5	3.44	3.22	2.61	93.7	76.0
MEAN	3.77	3.64	2.93	96.7	77.9
SD	0.42	0.42	0.30	2.1	2.2

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	92.71	2.5

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 3 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	3.77	3.64	2.93	96.7	77.9	96.8	77.8
CHLOROPHYLL a	3.3	3.1	3.0			93.9	90.9
C-14 DARK	0.09						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.12	0.71	2.93	3.2	18.9	77.8
CHLOROPHYLL a	0.20	0.10	3.00	6.1	3.0	90.9
RATIOS	0.61	7.13	0.98	0.53	6.25	0.86

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 3 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	15.24	4.62
MGC/M-3/EM-2	3.77	1.14
MGC/M-3/DAY	107.40	32.54
MGC/M-3/MONTH	3653.83	1107.22
MGC/M-2/DAY	123.21	37.34
MGC/M-2/MONTH	4191.77	1270.23

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 3 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 4.6

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	16.39	10.06	7.09	61.3	43.3
2	17.96	7.93	7.46	44.1	41.6
3	16.04	11.22	8.00	70.0	49.9
4	13.83	8.78	7.04	63.5	50.9
5	15.35	9.05	7.11	59.0	46.3
MEAN	15.91	9.41	7.34	59.6	46.4
SD	1.35	1.13	0.36	8.6	3.6

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	680.94	4.3

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 3 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	15.91	9.41	7.34	59.6	46.4	59.1	46.1
CHLOROPHYLL a	8.8	5.7	4.7			64.8	53.4
C-14 DARK	0.68						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	6.50	2.07	7.34	40.9	13.0	46.1
CHLOROPHYLL a	3.10	1.00	4.70	35.2	11.4	53.4
RATIOS	2.10	2.07	1.56	1.16	1.14	0.86

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 3 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	64.45	7.32
MGC/M-3/EM-2	15.91	1.81
MGC/M-3/DAY	453.82	51.57
MGC/M-3/MONTH	15439.75	1754.52
MGC/M-2/DAY	823.33	93.56
MGC/M-2/MONTH	28011.03	3183.07

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 3 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 13.5

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	180.75	103.60	17.93	57.3	9.9
2	175.33	115.34	14.57	65.8	8.3
3	142.07	83.85	13.02	59.0	9.2
4	148.74	86.44	16.59	58.1	11.2
5	133.85	77.94	12.55	58.2	9.4
MEAN	156.15	93.43	14.93	59.7	9.6
SD	18.56	13.88	2.06	3.1	0.9

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	3314.28	2.1

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 3 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	156.15	93.43	14.93	59.7	9.6	59.8	9.6
CHLOROPHYLL a	41.8	36.2	13.9			86.6	33.3
C-14 DARK	3.31						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	62.71	78.50	14.93	40.2	50.3	9.6
CHLOROPHYLL a	5.60	22.30	13.90	13.4	53.3	33.3
RATIOS	11.20	3.52	1.07	3.00	0.94	0.29

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 3 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	665.49	15.92
MGC/M-3/EM-2	156.15	3.74
MGC/M-3/DAY	4453.31	106.54
MGC/M-3/MONTH	151509.25	3624.62
MGC/M-2/DAY	2226.65	53.27
MGC/M-2/MONTH	75754.62	1812.31

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 3 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 19.3

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	11.91	10.18	9.67	85.5	81.2
2	10.96	11.52	10.50	105.1	95.8
3	12.12	11.42	10.10	94.3	83.3
4	10.93	10.07	9.58	92.2	87.7
5	9.82	10.38	9.78	105.7	99.6
MEAN	11.15	10.72	9.92	96.5	89.5
SD	0.82	0.63	0.34	7.8	7.1

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	766.22	6.9

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 3 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	11.15	10.72	9.92	96.5	89.5	96.1	89.0
CHLOROPHYLL a	3.4	2.9	2.8			85.3	82.4
C-14 DARK	0.77						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.43	0.79	9.92	3.9	7.1	89.0
CHLOROPHYLL a	0.50	0.10	2.80	14.7	2.9	82.4
RATIOS	0.86	7.91	3.54	0.26	2.41	1.08

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 3 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	39.27	11.55
MGC/M-3/EM-2	11.15	3.28
MGC/M-3/DAY	317.90	93.50
MGC/M-3/MONTH	10815.64	3181.07
MGC/M-2/DAY	1217.16	357.99
MGC/M-2/MONTH	41409.76	12179.34

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 4 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.2

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	1.63	1.12	1.00	68.6	61.1
2	3.22	2.41	1.98	75.0	61.6
3	2.92	2.14	1.62	73.2	55.4
4	1.06	0.91	0.68	85.4	63.8
5	2.85	1.96	1.60	68.6	56.1
MEAN	2.34	1.71	1.38	74.2	59.6
SD	0.84	0.59	0.47	6.2	3.3

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	96.88	4.1

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 4 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	2.34	1.71	1.38	74.2	59.6	73.1	58.8
CHLOROPHYLL a	5.3	4.2	2.0			79.2	37.7
C-14 DARK	0.10						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.63	0.33	1.38	26.9	14.2	58.8
CHLOROPHYLL a	1.10	2.20	2.00	20.8	41.5	37.7
RATIOS	0.57	0.15	0.69	1.30	0.34	1.56

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 4 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	9.92	1.87
MGC/M-3/EM-2	2.34	0.44
MGC/M-3/DAY	91.64	17.29
MGC/M-3/MONTH	2449.40	462.15
MGC/M-2/DAY	231.54	43.69
MGC/M-2/MONTH	6188.31	1167.61

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 4 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 6.2

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	14.18	10.08	7.44	71.0	52.5
2	18.14	14.95	10.21	82.4	56.3
3	14.48	13.28	8.90	91.7	61.5
4	5.15	4.97	3.90	96.4	75.6
5	7.31	5.19	5.18	71.0	70.9
MEAN	11.85	9.69	7.13	82.5	63.4
SD	4.85	4.08	2.32	10.4	8.7

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	484.72	4.1

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 4 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	11.85	9.69	7.13	82.5	63.4	81.8	60.1
CHLOROPHYLL a	16.0	16.0	14.0			100.0	87.5
C-14 DARK	0.48						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	2.16	2.57	7.13	18.2	21.7	60.1
CHLOROPHYLL a	0.00	2.00	14.00	0.0	12.5	87.5
RATIOS	0.00	1.28	0.51	0.00	1.73	0.69

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 4 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	48.55	3.03
MGC/M-3/EM-2	11.85	0.74
MGC/M-3/DAY	464.62	29.04
MGC/M-3/MONTH	12417.97	776.12
MGC/M-2/DAY	904.39	56.52
MGC/M-2/MONTH	24171.55	1510.72

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 4 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 11.6

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	13.20	4.50	2.49	34.1	18.9
2	14.93	4.40	2.78	29.5	18.6
3	17.26	4.78	3.14	27.7	18.2
4	18.84	5.20	3.31	27.6	17.5
5	18.49	5.57	3.67	30.1	19.8
MEAN	16.54	4.89	3.08	29.8	18.6
SD	2.16	0.44	0.41	2.4	0.8

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	454.37	2.7

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 4 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	16.54	4.89	3.08	29.8	18.6	29.6	18.6
CHLOROPHYLL a	16.3	6.2	4.6			38.0	28.2
C-14 DARK	0.45						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	11.66	1.81	3.08	70.4	11.0	18.6
CHLOROPHYLL a	10.10	1.60	4.60	62.0	9.8	28.2
RATIOS	1.15	1.13	0.67	1.14	1.12	0.66

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 4 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	67.14	4.12
MGC/M-3/EM-2	16.54	1.02
MGC/M-3/DAY	648.55	39.79
MGC/M-3/MONTH	17333.95	1063.43
MGC/M-2/DAY	1239.53	76.04
MGC/M-2/MONTH	33128.86	2032.45

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 4 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 18.5

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	6.75	2.60	1.42	38.6	21.1
2	4.70	1.81	1.10	38.6	23.5
3	5.04	1.93	1.33	38.2	26.3
4	3.63	1.39	1.06	38.2	29.3
5	4.94	2.02	1.34	40.9	27.2
MEAN	5.01	1.95	1.25	38.9	25.5
SD	1.00	0.39	0.14	1.0	2.9

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	146.63	2.9

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 4 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	5.01	1.95	1.25	38.9	25.5	38.9	25.0
CHLOROPHYLL a	4.4	2.7	2.5			61.4	56.8
C-14 DARK	0.15						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	3.06	0.70	1.25	61.1	13.9	25.0
CHLOROPHYLL a	1.70	0.20	2.50	38.6	4.5	56.8
RATIOS	1.80	3.49	0.50	1.58	3.07	0.44

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 4 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	19.47	4.43
MGC/M-3/EM-2	5.01	1.14
MGC/M-3/DAY	196.49	44.66
MGC/M-3/MONTH	5251.53	1193.53
MGC/M-2/DAY	754.52	171.48
MGC/M-2/MONTH	20166.17	4583.22

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 5 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.2

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	11.05	10.36	11.09	93.8	100.4
2	11.26	10.70	9.55	95.1	84.9
3	8.93	8.60	9.20	96.4	103.0
4	10.72	9.99	9.23	93.2	86.1
5	11.41	10.81	10.68	94.7	93.6
MEAN	10.67	10.09	9.95	94.6	93.6
SD	0.90	0.80	0.78	1.1	7.3

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	608.46	5.7

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 5 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	10.67	10.09	9.95	94.6	93.6	94.6	93.2
CHLOROPHYLL a	10.6	10.3	10.3			97.2	97.2
C-14 DARK	0.61						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.58	0.14	9.95	5.4	1.4	93.2
CHLOROPHYLL a	0.30	0.00	10.30	2.8	0.0	97.2
RATIOS	1.93	0.00	0.97	1.92	0.00	0.96

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 5 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	40.09	3.78
MGC/M-3/EM-2	10.67	1.01
MGC/M-3/DAY	312.58	29.49
MGC/M-3/MONTH	12006.96	1132.73
MGC/M-2/DAY	630.87	59.52
MGC/M-2/MONTH	24233.10	2286.14

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 5 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 6.8

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	35.50	21.42	17.99	60.3	50.7
2	23.42	23.88	19.49	102.0	83.2
3	26.52	23.84	19.11	89.9	72.1
4	25.44	22.52	15.73	88.5	61.8
5	21.77	16.10	13.06	73.9	60.0
MEAN	26.53	21.55	17.08	82.9	65.6
SD	4.77	2.88	2.40	14.4	11.1

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	427.85	1.6

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 5 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	26.53	21.55	17.08	82.9	65.6	81.2	64.4
CHLOROPHYLL a	23.2	21.8	12.1			94.0	52.2
C-14 DARK	0.43						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	4.98	4.47	17.08	18.8	16.9	64.4
CHLOROPHYLL a	1.40	9.70	12.10	6.0	41.8	52.2
RATIOS	3.56	0.46	1.41	3.11	0.40	1.23

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 5 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	95.60	4.12
MGC/M-3/EM-2	26.53	1.14
MGC/M-3/DAY	777.07	33.49
MGC/M-3/MONTH	29849.33	1286.61
MGC/M-2/DAY	1351.26	58.24
MGC/M-2/MONTH	51905.30	2237.30

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 5 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 13.0

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	29.57	26.49	10.28	89.6	34.8
2	18.30	17.24	12.63	94.2	69.0
3	21.64	16.99	23.26	78.5	107.5
4	19.01	18.94	20.56	99.6	108.1
5	20.50	24.26	24.24	118.4	118.2
MEAN	21.80	20.78	18.19	96.1	87.5
SD	4.05	3.87	5.68	13.1	31.3

PRIMARY PRODUCTIVITY DARK BOTTLES
UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	508.89	2.3

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 5 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	21.80	20.78	18.19	96.1	87.5	95.3	83.4
CHLOROPHYLL a	100.9	80.4	34.7			79.7	34.4
C-14 DARK	0.51						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	1.02	2.59	18.19	4.7	11.9	83.4
CHLOROPHYLL a	20.50	45.70	34.70	20.3	45.3	34.4
RATIOS	0.05	0.06	0.52	0.23	0.26	2.43

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 5 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	75.16	0.74
MGC/M-3/EM-2	21.80	0.22
MGC/M-3/DAY	638.65	6.33
MGC/M-3/MONTH	24532.04	243.13
MGC/M-2/DAY	1455.56	14.43
MGC/M-2/MONTH	55911.64	554.13

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 5 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 19.6

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	7.63	6.44	2.50	84.4	32.7
2	15.89	7.41	6.81	46.7	42.9
3	5.51	4.32	2.91	78.3	52.9
4	13.49	6.59	5.95	48.9	44.1
5	6.69	4.69	4.20	70.1	62.8
MEAN	9.84	5.89	4.47	65.7	47.1
SD	4.09	1.19	1.68	15.3	10.1

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	158.73	1.6

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 5 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	9.84	5.89	4.47	65.7	47.1	59.9	45.5
CHLOROPHYLL a	7.9	3.3	3.2			41.8	40.5
C-14 DARK	0.16						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	3.95	1.42	4.47	40.1	14.4	45.5
CHLOROPHYLL a	4.60	0.10	3.20	58.2	1.3	40.5
RATIOS	0.86	14.17	1.40	0.69	11.37	1.12

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 5 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	28.99	3.67
MGC/M-3/EM-2	9.84	1.25
MGC/M-3/DAY	288.25	36.49
MGC/M-3/MONTH	11072.42	1401.57
MGC/M-2/DAY	870.08	110.14
MGC/M-2/MONTH	33422.07	4230.64

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 6 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.1

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	2.31	2.33	2.13	101.1	92.4
2	2.40	2.24	2.04	93.3	84.9
3	2.56	2.33	2.28	90.8	89.0
4	2.38	2.34	2.07	98.4	87.1
5	2.34	2.21	2.09	94.3	89.2
MEAN	2.40	2.29	2.12	95.6	88.5
SD	0.09	0.05	0.08	3.7	2.5

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	46.02	1.9

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 6 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	2.40	2.29	2.12	95.6	88.5	95.5	88.5
CHLOROPHYLL a	3.4	1.6	0.6			47.1	17.6
C-14 DARK	0.05						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.11	0.17	2.12	4.5	7.0	88.5
CHLOROPHYLL a	1.80	1.00	0.60	52.9	29.4	17.6
RATIOS	0.06	0.17	3.54	0.09	0.24	5.02

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 6 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	11.55	3.40
MGC/M-3/EM-2	2.40	0.71
MGC/M-3/DAY	100.22	29.48
MGC/M-3/MONTH	2320.79	682.59
MGC/M-2/DAY	202.24	59.48
MGC/M-2/MONTH	4683.18	1377.40

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 6 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 7.0

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	51.73	48.35	17.39	93.5	33.6
2	53.53	47.43	21.26	88.6	39.7
3	44.78	43.01	18.91	96.0	42.2
4	50.05	50.79	19.37	101.5	38.7
5	45.49	42.26	22.70	92.9	49.9
MEAN	49.12	46.37	19.93	94.5	40.8
SD	3.44	3.25	1.86	4.2	5.3

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	957.57	1.9

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 6 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	49.12	46.37	19.93	94.5	40.8	94.4	40.6
CHLOROPHYLL a	15.2	15.2	7.0			100.0	46.1
C-14 DARK	0.96						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	2.75	26.44	19.93	5.6	53.8	40.6
CHLOROPHYLL a	0.00	8.20	7.00	0.0	53.9	46.1
RATIOS	0.00	3.22	2.85	0.00	1.00	0.88

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 6 / 94

MEAN CARBON FIXATION IN VARIOUS UNITS

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	237.78	15.64
MGC/M-3/EM-2	49.12	3.23
MGC/M-3/DAY	2052.61	135.04
MGC/M-3/MONTH	47530.67	3127.02
MGC/M-2/DAY	3877.06	255.07
MGC/M-2/MONTH	89778.09	5906.45

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 6 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 12.0

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	27.04	25.72	19.91	95.1	73.6
2	27.32	25.35	23.56	92.8	86.3
3	27.56	22.80	24.98	82.7	90.6
4	23.98	25.61	24.66	106.8	102.8
5	26.44	22.51	21.85	85.1	82.7
MEAN	26.47	24.40	22.99	92.5	87.2
SD	1.30	1.43	1.89	8.5	9.6

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	630.72	2.4

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 6 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	26.47	24.40	22.99	92.5	87.2	92.2	86.9
CHLOROPHYLL a	9.0	9.0	8.0			100.0	88.9
C-14 DARK	0.63						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	2.07	1.40	22.99	7.8	5.3	86.9
CHLOROPHYLL a	0.00	1.00	8.00	0.0	11.1	88.9
RATIOS	0.00	1.40	2.87	0.00	0.48	0.98

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 6 / 94

MEAN CARBON FIXATION IN VARIOUS UNITS

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	123.42	13.71
MGC/M-3/EM-2	26.47	2.94
MGC/M-3/DAY	1106.10	122.90
MGC/M-3/MONTH	25613.24	2845.92
MGC/M-2/DAY	2689.14	298.79
MGC/M-2/MONTH	62270.40	6918.93

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 6 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 20.5

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	26.65	23.85	21.01	89.5	78.8
2	23.53	23.03	19.71	97.9	83.8
3	25.58	22.64	20.59	88.5	80.5
4	25.62	23.78	23.27	92.8	90.8
5	22.58	21.56	18.65	95.5	82.6
MEAN	24.79	22.97	20.64	92.8	83.3
SD	1.50	0.84	1.54	3.5	4.1

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	693.57	2.8

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 6 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	24.79	22.97	20.64	92.8	83.3	92.7	83.3
CHLOROPHYLL a	5.8	4.6	4.2			79.3	72.4
C-14 DARK	0.69						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	1.82	2.33	20.64	7.3	9.4	83.3
CHLOROPHYLL a	1.20	0.40	4.20	20.7	6.9	72.4
RATIOS	1.51	5.82	4.92	0.35	1.36	1.15

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 6 / 94

MEAN CARBON FIXATION IN VARIOUS UNITS

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	116.16	20.03
MGC/M-3/EM-2	24.79	4.27
MGC/M-3/DAY	1036.00	178.62
MGC/M-3/MONTH	23989.98	4136.20
MGC/M-2/DAY	3170.07	546.56
MGC/M-2/MONTH	73407.01	12656.38

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 7 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.1

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	0.89	0.71	0.62	79.4	69.3
2	0.76	0.73	0.64	95.9	84.0
3	0.85	0.71	0.56	83.3	65.8
4	0.75	0.59	0.68	78.8	90.6
5	0.67	0.64	0.54	94.9	81.1
MEAN	0.79	0.67	0.61	86.5	78.1
SD	0.08	0.05	0.05	7.5	9.3

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	69.87	8.9

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 7 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	0.79	0.67	0.61	86.5	78.1	86.0	77.4
CHLOROPHYLL a	2.0	2.0	1.1			100.0	55.0
C-14 DARK	0.07						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.11	0.07	0.61	14.0	8.5	77.4
CHLOROPHYLL a	0.00	0.90	1.10	0.0	45.0	55.0
RATIOS	0.00	0.07	0.55	0.00	0.19	1.41

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 7 / 94
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MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	3.57	1.79
MGC/M-3/EM-2	0.79	0.39
MGC/M-3/DAY	29.04	14.52
MGC/M-3/MONTH	716.88	358.44
MGC/M-2/DAY	21.49	10.74
MGC/M-2/MONTH	530.39	265.19

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 7 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 6.5

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	3.66	3.37	2.93	92.1	80.1
2	6.10	5.65	5.66	92.7	92.8
3	7.01	4.58	2.12	65.4	30.3
4	8.71	4.94	5.10	56.7	58.6
5	6.67	4.93	4.22	74.0	63.3
MEAN	6.43	4.69	4.01	76.2	65.0
SD	1.64	0.75	1.32	14.3	21.2

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	589.21	9.2

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 7 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	6.43	4.69	4.01	76.2	65.0	73.0	62.3
CHLOROPHYLL a	25.6	11.2	6.5			43.7	25.4
C-14 DARK	0.59						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	1.73	0.69	4.01	27.0	10.7	62.3
CHLOROPHYLL a	14.40	4.70	6.50	56.2	18.4	25.4
RATIOS	0.12	0.15	0.62	0.48	0.58	2.46

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 7 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	29.82	1.16
MGC/M-3/EM-2	6.43	0.25
MGC/M-3/DAY	237.72	9.29
MGC/M-3/MONTH	5867.61	229.20
MGC/M-2/DAY	186.26	7.28
MGC/M-2/MONTH	4597.23	179.58

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 7 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 11.4

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	14.51	12.61	11.41	86.9	78.7
2	14.16	7.30	10.56	51.6	74.6
3	15.27	13.99	12.00	91.6	78.6
4	16.19	14.49	12.23	89.5	75.5
5	13.52	12.55	9.61	92.8	71.1
MEAN	14.73	12.19	11.16	82.5	75.7
SD	0.92	2.56	0.97	15.6	2.8

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	1334.17	9.1

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 7 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	14.73	12.19	11.16	82.5	75.7	82.7	75.8
CHLOROPHYLL a	20.6	17.3	9.4			84.0	45.6
C-14 DARK	1.33						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	2.54	1.03	11.16	17.3	7.0	75.8
CHLOROPHYLL a	3.30	7.90	9.40	16.0	38.3	45.6
RATIOS	0.77	0.13	1.19	1.08	0.18	1.66

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 7 / 94

MEAN CARBON FIXATION IN VARIOUS UNITS

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	70.35	3.41
MGC/M-3/EM-2	14.73	0.72
MGC/M-3/DAY	544.83	26.45
MGC/M-3/MONTH	13447.70	652.80
MGC/M-2/DAY	434.37	21.09
MGC/M-2/MONTH	10721.39	520.46

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 7 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 20.1

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	26.84	16.35	22.59	60.9	84.1
2	27.82	24.76	19.77	89.0	71.0
3	31.90	28.56	21.15	89.5	66.3
4	32.69	34.32	13.93	105.0	42.6
5	29.53	24.70	20.98	83.6	71.1
MEAN	29.76	25.74	19.68	85.6	67.0
SD	2.26	5.86	3.01	14.3	13.6

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	1239.31	4.2

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 7 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	29.76	25.74	19.68	85.6	67.0	86.5	66.1
CHLOROPHYLL a	12.0	11.0	6.0			91.7	50.0
C-14 DARK	1.24						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	4.02	6.06	19.68	13.5	20.4	66.1
CHLOROPHYLL a	1.00	5.00	6.00	8.3	41.7	50.0
RATIOS	4.02	1.21	3.28	1.62	0.49	1.32

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 7 / 94

MEAN CARBON FIXATION IN VARIOUS UNITS

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	130.09	10.84
MGC/M-3/EM-2	29.76	2.48
MGC/M-3/DAY	1100.75	91.73
MGC/M-3/MONTH	27168.99	2264.08
MGC/M-2/DAY	2172.40	181.03
MGC/M-2/MONTH	53619.97	4468.33

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 8 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.1

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	1.57	1.35	0.91	86.2	58.2
2	1.76	1.64	1.23	93.2	69.8
3	1.95	1.46	1.21	74.9	62.2
4	1.53	1.44	0.97	94.2	63.3
5	1.91	1.90	1.13	99.4	59.0
MEAN	1.74	1.56	1.09	89.6	62.5
SD	0.17	0.20	0.13	8.5	4.1

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	75.70	4.3

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 8 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	1.74	1.56	1.09	89.6	62.5	89.4	62.5
CHLOROPHYLL a	2.8	2.8	1.6			100.0	57.1
C-14 DARK	0.08						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.19	0.47	1.09	10.6	26.9	62.5
CHLOROPHYLL a	0.00	1.20	1.60	0.0	42.9	57.1
RATIOS	0.00	0.39	0.68	0.00	0.63	1.09

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 8 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	7.55	2.70
MGC/M-3/EM-2	1.74	0.62
MGC/M-3/DAY	61.14	21.84
MGC/M-3/MONTH	1477.82	527.79
MGC/M-2/DAY	48.37	17.28
MGC/M-2/MONTH	1169.15	417.55

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 8 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 6.4

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	9.53	5.40	5.19	56.6	54.5
2	15.02	5.35	5.51	35.6	36.7
3	3.88	3.28	3.23	84.6	83.3
4	8.03	5.66	4.79	70.5	59.6
5	5.66	5.12	4.09	90.5	72.3
MEAN	8.42	4.96	4.56	67.6	61.3
SD	3.83	0.86	0.82	19.8	15.9

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	525.63	6.2

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 8 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	8.42	4.96	4.56	67.6	61.3	58.9	54.2
CHLOROPHYLL a	12.1	9.4	3.5			77.7	28.9
C-14 DARK	0.53						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	3.46	0.40	4.56	41.1	4.7	54.2
CHLOROPHYLL a	2.70	5.90	3.50	22.3	48.8	28.9
RATIOS	1.28	0.07	1.30	1.84	0.10	1.87

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 8 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	35.66	2.95
MGC/M-3/EM-2	8.42	0.70
MGC/M-3/DAY	295.31	24.41
MGC/M-3/MONTH	7137.72	589.89
MGC/M-2/DAY	325.08	26.87
MGC/M-2/MONTH	7857.29	649.36

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 8 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 11.6

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	55.59	10.02	11.13	18.0	20.0
2	74.29	8.03	6.72	10.8	9.0
3	63.49	8.73	6.70	13.8	10.5
4	21.19	7.38	7.24	34.8	34.2
5	47.96	14.09	9.52	29.4	19.8
MEAN	52.51	9.65	8.26	21.4	18.7
SD	17.92	2.38	1.77	9.2	9.0

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	1651.93	3.1

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 8 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	52.51	9.65	8.26	21.4	18.7	18.4	15.7
CHLOROPHYLL a	44.9	37.8	33.1			84.2	73.7
C-14 DARK	1.65						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	42.85	1.39	8.26	81.6	2.6	15.7
CHLOROPHYLL a	7.10	4.70	33.10	15.8	10.5	73.7
RATIOS	6.04	0.30	0.25	5.16	0.25	0.21

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 8 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	190.93	4.25
MGC/M-3/EM-2	52.51	1.17
MGC/M-3/DAY	1840.83	41.00
MGC/M-3/MONTH	44492.79	990.93
MGC/M-2/DAY	1475.33	32.86
MGC/M-2/MONTH	35658.80	794.18

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 8 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 16.2

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	22.83	21.85	21.23	95.7	93.0
2	22.66	21.59	20.34	95.3	89.8
3	19.25	18.76	18.03	97.5	93.7
4	22.12	21.04	19.94	95.1	90.1
5	23.35	22.47	22.02	96.2	94.3
MEAN	22.04	21.14	20.31	96.0	92.2
SD	1.45	1.28	1.35	0.8	1.9

PRIMARY PRODUCTIVITY DARK BOTTLES
UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	703.97	3.2

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 8 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	22.04	21.14	20.31	96.0	92.2	95.9	92.1
CHLOROPHYLL a	4.6	3.6	3.6			78.3	78.3
C-14 DARK	0.70						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.90	0.83	20.31	4.1	3.8	92.1
CHLOROPHYLL a	1.00	0.00	3.60	21.7	0.0	78.3
RATIOS	0.90	0.00	5.64	0.19	0.00	1.18

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 8 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	95.06	20.66
MGC/M-3/EM-2	22.04	4.79
MGC/M-3/DAY	772.75	167.99
MGC/M-3/MONTH	18677.31	4060.29
MGC/M-2/DAY	2854.71	620.59
MGC/M-2/MONTH	68998.32	14999.63

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 9 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.1

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	5.88	4.09	2.98	69.4	50.6
2	7.23	7.07	4.12	97.9	57.0
3	5.82	4.56	3.03	78.2	52.0
4	4.97	5.60	3.37	112.6	67.8
5	4.38	4.71	3.45	107.6	78.9
MEAN	5.66	5.20	3.39	93.1	61.3
SD	0.96	1.05	0.41	16.7	10.7

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	167.28	3.0

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 9 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	5.66	5.20	3.39	93.1	61.3	92.0	59.9
CHLOROPHYLL a	5.3	4.1	2.5			77.4	47.2
C-14 DARK	0.17						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.45	1.81	3.39	8.0	32.1	59.9
CHLOROPHYLL a	1.20	1.60	2.50	22.6	30.2	47.2
RATIOS	0.38	1.13	1.36	0.35	1.06	1.27

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 9 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	15.14	2.86
MGC/M-3/EM-2	5.66	1.07
MGC/M-3/DAY	139.94	26.40
MGC/M-3/MONTH	3803.33	717.61
MGC/M-2/DAY	480.68	90.69
MGC/M-2/MONTH	13064.15	2464.93

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 9 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 5.6

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	5.52	5.30	4.84	96.1	87.8
2	6.23	4.64	5.05	74.5	81.0
3	9.57	6.29	5.92	65.7	61.8
4	10.03	6.96	7.40	69.3	73.7
5	10.09	8.40	7.08	83.2	70.1
MEAN	8.29	6.32	6.06	77.8	74.9
SD	1.99	1.31	1.03	10.9	8.9

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	324.83	3.9

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 9 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	8.29	6.32	6.06	77.8	74.9	76.2	73.1
CHLOROPHYLL a	4.6	4.6	4.4			100.0	95.7
C-14 DARK	0.32						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	1.97	0.26	6.06	23.8	3.1	73.1
CHLOROPHYLL a	0.00	0.20	4.40	0.0	4.3	95.7
RATIOS	0.00	1.30	1.38	0.00	0.72	0.76

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 9 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	23.15	5.03
MGC/M-3/EM-2	8.29	1.80
MGC/M-3/DAY	205.08	44.58
MGC/M-3/MONTH	5573.90	1211.72
MGC/M-2/DAY	722.15	156.99
MGC/M-2/MONTH	19627.20	4266.78

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 9 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 12.3

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	56.98	50.88	39.38	89.3	69.1
2	40.84	36.59	27.71	89.6	67.9
3	56.65	49.50	26.54	87.4	46.9
4	59.97	55.43	44.75	92.4	74.6
5	42.78	39.35	29.40	92.0	68.7
MEAN	51.44	46.35	33.56	90.1	65.4
SD	7.98	7.17	7.21	1.9	9.6

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	2205.38	4.3

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 9 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	51.44	46.35	33.56	90.1	65.4	90.1	65.2
CHLOROPHYLL a	15.9	14.1	13.7			88.7	86.2
C-14 DARK	2.21						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	5.09	12.79	33.56	9.9	24.9	65.2
CHLOROPHYLL a	1.80	0.40	13.70	11.3	2.5	86.2
RATIOS	2.83	31.98	2.45	0.87	9.88	0.76

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 9 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	139.91	8.80
MGC/M-3/EM-2	51.44	3.24
MGC/M-3/DAY	1272.72	80.05
MGC/M-3/MONTH	34590.76	2175.52
MGC/M-2/DAY	2244.76	141.18
MGC/M-2/MONTH	61009.44	3837.07

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 9 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 18.1

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	220.28	74.42	43.21	33.8	19.6
2	259.09	78.53	48.67	30.3	18.8
3	104.44	31.54	21.03	30.2	20.1
4	104.82	27.29	18.17	26.0	17.3
5	210.97	76.15	34.89	36.1	16.5
MEAN	179.92	57.59	33.19	31.3	18.5
SD	63.56	23.08	11.97	3.4	1.4

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	4781.28	2.7

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 9 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	179.92	57.59	33.19	31.3	18.5	32.0	18.4
CHLOROPHYLL a	55.2	13.4	8.7			24.3	15.8
C-14 DARK	4.78						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	122.33	24.39	33.19	68.0	13.6	18.4
CHLOROPHYLL a	41.80	4.70	8.70	75.7	8.5	15.8
RATIOS	2.93	5.19	3.82	0.90	1.59	1.17

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 9 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	483.86	8.77
MGC/M-3/EM-2	179.92	3.26
MGC/M-3/DAY	4451.21	80.64
MGC/M-3/MONTH	120977.85	2191.63
MGC/M-2/DAY	9102.71	164.90
MGC/M-2/MONTH	247399.52	4481.87

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 10 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.4

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	0.06	0.06	0.05	98.7	90.6
2	0.15	0.10	0.08	64.3	52.6
3	0.11	0.09	0.07	81.8	65.7
4	0.08	0.07	0.06	89.1	80.0
5	0.08	0.05	0.05	70.9	61.1
MEAN	0.09	0.07	0.06	81.0	70.0
SD	0.03	0.02	0.01	12.3	13.6

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	4.31	4.6

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 10 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	0.09	0.07	0.06	81.0	70.0	77.6	66.1
CHLOROPHYLL a	2.3	2.0	1.7			87.0	73.9
C-14 DARK	0.00						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.02	0.01	0.06	22.4	11.5	66.1
CHLOROPHYLL a	0.30	0.30	1.70	13.0	13.0	73.9
RATIOS	0.07	0.04	0.04	1.72	0.88	0.89

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 10 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	0.28	0.12
MGC/M-3/EM-2	0.09	0.04
MGC/M-3/DAY	2.40	1.04
MGC/M-3/MONTH	66.81	29.05
MGC/M-2/DAY	4.18	1.82
MGC/M-2/MONTH	116.62	50.71

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 10 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 6.0

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	0.74	0.72	0.64	96.3	85.7
2	0.54	0.54	0.45	100.7	83.8
3	0.73	0.72	0.66	97.6	89.4
4	0.59	0.59	0.50	100.1	84.6
5	0.55	0.50	0.44	92.0	79.6
MEAN	0.63	0.61	0.54	97.3	84.6
SD	0.09	0.09	0.09	3.1	3.2

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	26.19	4.1

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 10 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	0.63	0.61	0.54	97.3	84.6	97.3	85.0
CHLOROPHYLL a	2.1	1.9	1.9			90.5	90.5
C-14 DARK	0.03						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.02	0.08	0.54	2.7	12.3	85.0
CHLOROPHYLL a	0.20	0.00	1.90	9.5	0.0	90.5
RATIOS	0.09	0.00	0.28	0.28	0.00	0.94

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 10 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	2.17	1.03
MGC/M-3/EM-2	0.63	0.30
MGC/M-3/DAY	15.99	7.62
MGC/M-3/MONTH	445.86	212.31
MGC/M-2/DAY	19.43	9.25
MGC/M-2/MONTH	541.58	257.90

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 10 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 15.4

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	0.10	0.07	0.04	71.2	41.8
2	0.07	0.06	0.04	76.7	51.0
3	0.11	0.07	0.05	66.7	49.1
4	0.12	0.07	0.06	57.3	51.4
5	0.13	0.10	0.06	76.7	49.1
MEAN	0.11	0.07	0.05	69.7	48.5
SD	0.02	0.01	0.01	7.3	3.5

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	6.96	6.6

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 10 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	0.11	0.07	0.05	69.7	48.5	69.2	48.5
CHLOROPHYLL a	4.6	3.3	2.3			71.7	50.0
C-14 DARK	0.01						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.03	0.02	0.05	30.8	20.7	48.5
CHLOROPHYLL a	1.30	1.00	2.30	28.3	21.7	50.0
RATIOS	0.03	0.02	0.02	1.09	0.95	0.97

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 10 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	0.30	0.06
MGC/M-3/EM-2	0.11	0.02
MGC/M-3/DAY	2.68	0.58
MGC/M-3/MONTH	74.71	16.24
MGC/M-2/DAY	4.96	1.08
MGC/M-2/MONTH	138.32	30.07

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 10 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 19.7

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	8.82	3.28	2.55	37.2	28.9
2	9.79	3.64	2.37	37.2	24.3
3	11.12	3.94	2.81	35.5	25.3
4	7.23	3.53	2.77	48.8	38.4
5	4.75	3.82	2.45	80.4	51.6
MEAN	8.34	3.64	2.59	47.8	33.7
SD	2.20	0.23	0.17	17.0	10.2

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	302.94	3.6

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 10 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	8.34	3.64	2.59	47.8	33.7	43.7	31.1
CHLOROPHYLL a	3.3	2.0	1.3			60.6	39.4
C-14 DARK	0.30						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	4.70	1.05	2.59	56.3	12.6	31.1
CHLOROPHYLL a	1.30	0.70	1.30	39.4	21.2	39.4
RATIOS	3.61	1.50	1.99	1.43	0.60	0.79

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 10 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	22.77	6.90
MGC/M-3/EM-2	8.34	2.53
MGC/M-3/DAY	211.37	64.05
MGC/M-3/MONTH	5892.44	1785.59
MGC/M-2/DAY	412.34	124.95
MGC/M-2/MONTH	11494.81	3483.28

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 11 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.4

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	2.99	2.75	2.29	91.7	76.5
2	6.64	5.04	4.46	75.9	67.2
3	5.56	4.94	4.31	88.8	77.4
4	5.66	5.06	4.36	89.5	77.1
5	5.52	5.06	4.56	91.6	82.5
MEAN	5.28	4.57	4.00	87.5	76.1
SD	1.21	0.91	0.86	5.9	5.0

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	626.78	11.9

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 11 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	5.28	4.57	4.00	87.5	76.1	86.6	75.7
CHLOROPHYLL a	12.6	11.1	6.8			88.1	54.0
C-14 DARK	0.63						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.71	0.57	4.00	13.4	10.9	75.7
CHLOROPHYLL a	1.50	4.30	6.80	11.9	34.1	54.0
RATIOS	0.47	0.13	0.59	1.13	0.32	1.40

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 11 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	20.33	1.61
MGC/M-3/EM-2	5.28	0.42
MGC/M-3/DAY	102.35	8.12
MGC/M-3/MONTH	3155.45	250.43
MGC/M-2/DAY	144.38	11.46
MGC/M-2/MONTH	4451.15	353.27

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 11 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 6.3

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	10.16	5.63	4.72	55.4	46.4
2	12.67	6.64	4.07	52.4	32.1
3	16.15	5.69	4.71	35.2	29.2
4	8.52	4.55	4.21	53.5	49.4
5	4.06	2.74	2.54	67.4	62.6
MEAN	10.31	5.05	4.05	52.8	43.9
SD	4.05	1.33	0.80	10.3	12.2

PRIMARY PRODUCTIVITY DARK BOTTLES
UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	634.35	6.2

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: April, 1994
Station: 20 ppt

Taxon	Oblique	Surface
DECAPODA - ZOEA		
Penaeidan	1	
CHAETOGNATHA - Adult	2	
ECHINODERMATA		
Bipinnaria larvae	2	
Holothuroidea pluteus		
CHIOPODA Larvae	27	
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	112	20

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: May, 1994
Station: 0 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	1	
ROTOTARIA	3	25
GASTROTRICHIA	6	10
ANNELIDA ADULT		
Polychaeta larvae		1
MOLLUSCA		
Gastropoda trochophore		2
Gastropoda veliger	3	4
Gastropoda adult		1
Pelecypoda (Bivalvia) trochophore	1	1
ARTHROPODA		
CRUSTACEA -Nauplii	1	1
SIPUNCULIDA	3	
CHORDATA		
UROCHORDATA		
THALIACEA - Salpidae	1	1
LARVACEA - Appendicularia		1

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: May, 1994
Station: 6 ppt

Taxon	Oblique	Surface
FORAMINFERA	3	
COELENTERATA (CNIDARIA)		
Siphonophora	3	1
Schyphomedusae	2	
CTENOPHORA		
Cydippida		2
ROTOTARIA	5	9
GASTROTRICHIA	2	2
PLATYHELMINTHES		
Mueller's larvae	2	
ANNELIDA ADULT		
Polychaeta larvae	2	3
MOLLUSCA		
Gastropoda trochophore	1	
Gastropoda veliger	6	3
Gastropoda adult	7	
Pelecypoda (Bivalvia) trochophore	1	
Pelecypoda veliger	1	
Pelecypoda adult	15	41
Scaphapoda veliger		3
ARTHROPODA	6	9
CRUSTACEA -Nauplii	176	79
BRANCHIPODA-Cladocera	1	
OSTRACODA	1	
COPEPODA		
Acartia tonsa	5	
Saphirella sp.I	1	
Labidocera aestiva		1
Paracalanus crassirostris	6	
Saphirella tropica	2	1
Paracalanus parvus	11	1
Corycaeus americanus	3	
Pseudodiaptomus coronatus	7	
Clytemnestra sp.	4	1
Acrocalanus longicornis	1	
Aegisthus sp.	3	
Saphirella sp. II	2	
DECAPODA - ZOEA		
Penaeidan	2	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: May, 1994
Station: 6 ppt

Taxon	Oblique	Surface
SIPUNCULIDA	1	1
BRYOZOA	1	2
HEMICHORDATA -Tornaria larvae	1	4
CHORDATA LARVACEA - Appendicularia	1	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: May, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Schyphomedusae	53	20
CTENOPHORA		
Cydippida	2	
Cestida	5	2
ROTOTARIA		
PLATYHELMINTHES		
Turbellaria	3	9
Mueller's larvae	2	
NEMERTEA		
Pilidium larvae	3	13
ANNELIDA ADULT		
Polychaeta trochophore	13	32
Polychaeta larvae	13	8
MOLLUSCA		
Gastropoda trochophore		7
Gastropoda veliger	13	3
Gastropoda adult	6	4
Pelecypoda (Bivalvia) trochophore	1	1
Pelecypoda veliger	174	127
Pelecypoda adult	15	10
Scaphapoda veliger	2	1
ARTHROPODA		
CRUSTACEA -Nauplii	286	138
OSTRACODA	1	
COPEPODA		
Harpactacoid	1	
Acartia tonsa	21	4
Saphirella sp.I	152	
Oithona nana	13	1
Oithona brevicornis		2
Paracalanus crassirostris	8	
Paracalanus parvus	5	
Corycaeus americanus	18	8
CIRRIPEDIA - Nauplii	4	3
DECAPODA - ZOEA		
Penaeidan	1	
ISOPODA	1	1

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: May, 1994
Station: 12 ppt

Taxon	Oblique	Surface
BRYOZOA		1
HEMICHORDATA -Tornaria larvae	72	7
CHORDATA LARVACEA - Appendicularia	54	30

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: May, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydromedusae		1
Schyphomedusae	3	9
CTENOPHORA		
Cydippida		1
ROTOTARIA		1
PLATYHELMINTHES		
Turbellaria	2	6
NEMATODA	1	
ANNELIDA ADULT	3	
Polychaeta trochophore		4
Polychaeta larvae	2	
MOLLUSCA		
Gastropoda trochophore		1
Gastropoda veliger	8	
Gastropoda adult	4	8
Pelecypoda (Bivalvia) trochophore		2
Pelecypoda veliger	13	9
Pelecypoda adult	7	2
Cephalopoda juv.(squid)	1	
ARTHROPODA		
CRUSTACEA -Nauplii	60	30
BRANCHIPODA-Cladocera	18	
OSTRACODA	1	
COPEPODA		
Harpactacoid	1	
Acartia tonsa	7	
Saphirella sp. I	2	1
Oithona nana	13	1
Oithona breviscornis	1	
Paracalanus crassirostris	4	
Oithona simplex	1	
Paracalanus parvus		1
Corycaeus americanus	38	6
CIRRIPEDIA - Nauplii	3	1
Cypris larvae	5	1
CHAETOGNATHA - Adult	2	
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	23	3

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: June, 1994
Station: 0 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	5	9
Hydromedusae		2
CTENOPHORA		
Cydippida	1	11
Cestida		1
ROTOTARIA	11	35
GASTROTRICHIA	4	3
NEMATODA	1	1
HIRUDINEA		2
ANNELIDA		
Polychaeta trochophore	8	3
Polychaeta larvae		2
MOLLUSCA		
Gastropoda trochophore	11	11
Gastropoda veliger	1	3
Pelecypoda (Bivalvia) trochophore	1	2
Pelecypoda veliger		13
ARTHROPODA		
CRUSTACEA -Nauplii	10	263
COPEPODA		
HARPACTACOID		1
Acartia tonsa	1	10
Labidocera aestiva	1	
Clausocalanus arcuicoarnis	1	
Paracalanus parvus		1
Corycaeus americanus		2
Clytemnestra sp.		5
Candacia flavicornis		1
DECAPODA - ZOEA		
Brachyuran		1
ECHINODERMATA		
Asteroidea juvenile		
Bipinnaria larvae	1	7
SIPUNCULIDA	3	25
PHORONIDAE - Actinotrocha larvae	6	2

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: June, 1994
Station: 0 ppt

Taxon	Oblique	Surface
BRYOZOA	3	2
HEMICHORDATA -Tornaria larvae		13
CHORDATA		
UROCHORDATA		
THALIACEA - Salpidae		1

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: June, 1994
Station: 6 ppt

Taxon	Oblique	Surface
CTENOPHORA		
Cydippida	4	7
Cestida	11	6
ROTOTARIA	4	10
GASTROTRICHIA	2	1
PLATYHELMINTHES		
Turbellaria	1	2
Mueller's larvae		1
NEMATODA		1
ANNELIDA ADULT		1
Polychaeta trochophore	11	40
Polychaeta larvae	3	3
MOLLUSCA		
Gastropoda trochophore	4	3
Gastropoda adult	3	6
Pelecypoda (Bivalvia) trochophore	1	1
Pelecypoda veliger	13	49
Pelecypoda adult		1
ARTHROPODA		
CRUSTACEA -Nauplii	199	235
COPEPODA		
Harpactacoid	1	
Euterpina acuatifrons	1	1
Acartia tonsa	55	5
Oithona nana		1
Paracalanus crassirostris	5	1
Saphirella tropica		1
Paracalanus parvus	2	
Corycaeus americanus		1
Pseudodiaptomus	5	1
Saphirella sp. II	2	2
Candacia pachydactyla	3	1
CIRRIPEDIA - Nauplii	1	
CHAETOGNATHA - Adult		
BRYOZOA		3
HEMICHORDATA -Tornaria larvae	12	10
CHORDATA		
LARVACEA	8	10

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: June, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Schyphomedusae	5	
CTENOPHORA		
Cydippida	8	2
Cestida	3	2
ROTOTARIA	35	5
PLATYHELMINTHES		
Turbellaria	21	18
Mueller's larvae		1
ANNELIDA ADULT		
Polychaeta trochophore	9	7
Polychaeta larvae	58	13
MOLLUSCA		
Gastropoda adult	11	4
Pelecypoda (Bivalvia) trochophore	4	
Pelecypoda veliger	102	32
Pelecypoda adult	5	1
ARTHROPODA		
CRUSTACEA -Nauplii	332	235
BRANCHIPODA-Cladocera	1	7
OSTRACODA	2	
COPEPODA		
Acartia tonsa	27	9
Saphirella sp. I	4	3
Oithona nana	6	11
Oithona brevicornis	1	16
Paracalanus crassirostris	1	1
Saphirella tropica	3	2
Oithona simplex		1
Paracalanus parvus	2	3
Corycaeus americanus	2	6
Pseudodiaptomus coronatus	12	3
Clytemnestra sp.	2	
Saphirella sp. II	10	
Candacia pachydactyla	1	
CIRRIPEDIA - Nauplii	4	1
Cypris larvae	2	2
HEMICHORDATA -Tornaria larvae	24	3
CHORDATA		
PISCES	2	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: June, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Siphonophora	12	6
Hydromedusae	42	3
ROTOTARIA	12	10
PLATYHELMINTHES		
Turbellaria	1776	2208
Mueller's larvae	32	31
NEMERTEA	14	3
Pilidium larvae	4	
ANNELIDA ADULT	4	10
Polychaeta trochophore	78	3
Polychaeta larvae	16	18
MOLLUSCA		
Gastropoda trochophore	30	8
Gastropoda veliger	4	1
Gastropoda adult	16	8
Pelecypoda (Bivalvia) trochophore	6	
Pelecypoda veliger	24	2
Pelecypoda adult	20	4
ARTHROPODA		
CRUSTACEA -Nauplii	1026	340
BRANCHIPODA-Cladocera	880	352
OSTRACODA	6	
COPEPODA		
Harpactacoid	4	
Acartia tonsa	56	22
Farranulla carinata	14	4
Centropagus hamatus	28	7
Labidocera aestiva	162	58
Oithona nana	34	24
Oithona brevicornis	30	18
Paracalanus crassirostris	36	8
Clausocalanus arcuicornis	2	8
Saphirella tropica	8	1
Oithona simplex	12	1
Paracalanus parvus	88	15
Oithona colcarva	18	8
Corycaeus americanus	18	6
Pseudodiaptomus coronatus	50	10
Clytemnestra sp.	8	
Acrocalanus longicornis	8	3
Temora turbinata	18	5
Oncaea venusta	4	
Aegisthus sp.	16	2

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: June, 1994
Station: 20 ppt

Taxon	Oblique	Surface
Copilia sp.	8	9
Saphirella sp. II	8	
Candacia pachydactyla	8	
CIRRIPEDIA - Nauplii	54	15
Cypris larvae	10	2
DECAPODA - ZOEA		
Porcellanid	4	
Brachyuran	20	
Emerita	76	31
ISOPODA	12	2
CHAETOGNATHA - Adult	8	14
ECHINODERMATA		
Bipinnaria larvae	8	1
Holothuroidea pluteus	6	
PHORONIDAE - Actinotrocha larvae	12	4
BRYOZOA	2	
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	70	81

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: July, 1994
Station: 0 ppt

Taxon	Oblique	Surface
CTENOPHORA		
Cydippida	5	
Cestida	4	1
ROTOTARIA	6	
GASTROTRICHIA		2
PLATYHELMINTHES		
Mueller's larvae		
NEMATODA	2	1
ANNELIDA		
Polychaeta larvae	2	
MOLLUSCA		
Gastropoda veliger		2
Gastropoda adult	2	
Pelecypoda veliger	1	5
ARTHROPODA		
CRUSTACEA -Nauplii	30	25
COPEPODA		
Clytemnestrea sp.		1
Sapphrina sp.	1	
ECHINODERMATA		
Bipinnaria larvae	1	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: July, 1994
Station: 6 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Siphonophora	44	44
Hydromedusae	16	28
ROTOTARIA	120	324
GASTROTRICHIA	8	
ANNELIDA		
Polychaeta trochophore	920	572
Polychaeta larvae	712	244
MOLLUSCA		
Gastropoda trochophore		20
Gastropoda veliger	52	4
Gastropoda adult	16	
Pelecypoda (Bivalvia) trochophore	12	8
Pelecypoda veliger	20	24
ARTHROPODA		
CRUSTACEA -Nauplii	2516	7940
OSTRACODA		5
COPEPODA		
Euterpina acuatifrons	8	2
Centropagaes hamatus		3
Oithona nana		3
Paracalanus crassirostris	1	3
Clausocalanus arcuicornis	1	
Saphirella tropica		2
Paracalanus parvus	3	9
Clytemnestra sp.	1	1
Acrocalanus longicornis		1
Corycaeus latus		1
CIRRIPEDIA - Nauplii	264	1276
Cypris larvae		28
ECHINODERMATA		
Bipinnaria larvae		8
SIPUNCULIDA		
PHORONIDAE - Actinotrocha larvae	4	
BRYOZOA	44	36
HEMICHORDATA -Tornaria larvae	84	92
CHORDATA		
UROCHORDATA		
THALIACEA - Salpidae	4	12

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: July, 1994
Station: 6 ppt

Taxon	Oblique	Surface

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: July, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA		
Hydrozoa		
Siphonophora	15	21
Hydromedusae	51	33
Schyphomedusae	6	12
CTENOPHORA		
Cestida		
ROTOTARIA	291	234
GASTROTRICHIA	15	27
ANNELIDA		
Polychaeta trochophore	342	354
Polychaeta larvae	231	435
MOLLUSCA		
Gastropoda trochophore	54	69
Gastropoda veliger	6	57
Gastropoda adult	6	36
Pelecypoda (Bivalvia) trochophore	15	33
Pelecypoda veliger	69	87
Pelecypoda adult	144	81
ARTHROPODA		
CRUSTACEA -Nauplii	5781	3276
BRANCHIPODA-Cladocera		18
OSTRACODA	6	12
COPEPODA		
Harpactacoid	6	15
Euterpina acutifrons	21	18
Acartia tonsa	144	87
Saphirella sp.	12	9
Farranulla carinata	18	21
Centropages hamatus	21	30
Labidocera aestiva		15
Oithona nana	48	72
Oithona brevicornis	42	33
Paracalanus crassironstris	27	42
Clausocalanus arcuicornis	45	60
Saphirella tropica	15	6
Oithona simplex	6	
Paracalanus parvus	72	27
Oithona colcarva	9	
Pseudodiaptomus coronatus	12	3
Clytemnestra sp.		12
Acrocalanus longicornis	30	21
Oncaea venusta	9	6
Aegisthus sp.	6	
Copilia sp.	3	6

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: July, 1994
Station: 12 ppt

Taxon	Oblique	Surface
Saphirella sp. II	3	
CIRRIPEDIA - Nauplii	279	261
Cypris larvae	9	15
CHAETOGNATHA - Larvae		6
ECHINODERMATA		
Bipinnaria larvae	12	15
SIPUNCULIDA	69	54
PHORONIDAE - Actinotrocha larvae	9	15
BRACHIOPODA Larvae	12	18
BRYOZOA	9	30
HEMICHORDATA -Tornaria larvae	777	447
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	195	375
THALIACEA - Salpidae	15	6
LARVACEA - Appendicularia	18	12

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: July, 1994
Station: 20 ppt

Taxon	Oblique	Surface
CTENOPHORA		
Cestida	2	
ROTOTARIA	32	18
GASTROTRICHIA		2
PLATYHELMINTHES		
Turbellaria		4
NEMATODA	6	
ANNELIDA		
Polychaeta larvae	12	8
MOLLUSCA		
Gastropoda veliger	24	12
Gastropoda adult	24	4
Pelecypoda veliger	184	62
Pelecypoda adult	76	20
ARTHROPODA		
CRUSTACEA -Nauplii	804	256
BRANCHIPODA-Cladocera	15	2
OSTRACODA	20	4
COPEPODA		
Acartia tonsa	18	6
Saphirella sp. I	6	2
Oithona nana	50	48
Oithona brevicornis	110	26
Paracalanus crassirostris	6	18
Clausocalanus arcuicornis	6	12
Saphirella tropica	40	2
Oithona simplex	8	
Pseudodiaptomus coronatus	4	
Acarocalanus longicornis	22	2
CIRRIPEDIA - Nauplii	12	8
Cypris larvae	8	
DECAPODA - ZOEA		
Brachyuran		1
CHAETOGNATHA	2	
BRACHIOPODA Larvae	2	14
HEMICHORDATA -Tornaria larvae	10	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: July, 1994
Station: 20 ppt

Taxon	Oblique	Surface
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	58	26
THALIACEA - Salpidae	2	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: August, 1994
Station: 0 ppt

Taxon	Oblique	Surface
CTENOPHORA		
Cydippida	38	20
Cestida	1	
ROTOTARIA	8	8
GASTROTRICHIA		2
ANNELIDA		
Polychaeta trochophore	21	15
Polychaeta larvae	7	2
MOLLUSCA		
Gastropoda trochophore	4	4
Gastropoda veliger		6
Gastropoda adult	1	
Pelecypoda (Bivalvia) trochophore		1
Pelecypoda veliger		3
ARTHROPODA		
CRUSTACEA -Nauplii	13	126
BRANCHIPODA-Cladocera	2	
COPEPODA		
Oithona nana		2
Corycaeus latus		1
Oncea mediterranea	1	1
CIRRIPEDIA - Nauplii		
INSECTA-larvae		1
HEMICHORDATA -Tornaria larvae		1
CHORDATA		
ASCIDIACEA - Tadpole larvae	2	
LARVACEA - Appendicularia	1	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: AUGUST, 1994
Station: 6 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	2	5
Hydromedusae		
Schyphomedusae	4	
ROTOTARIA	16	24
GASTROTRICHIA	4	8
PLATYHELMINTHES		
Turbellaria	58	2
Mueller's larvae	4	
NEMATODA		
ANNELIDA ADULT	14	
Polychaeta trochophore	186	84
Polychaeta larvae	38	16
MOLLUSCA		
Gastropoda trochophore	8	3
Gastropoda veliger	10	3
Gastropoda adult	92	2
Pelecypoda (Bivalvia) trochophore	18	2
Pelecypoda veliger	16	3
Pelecypoda adult	72	11
ARTHROPODA		
CRUSTACEA -Nauplii	2744	769
BRANCHIPODA-Cladocera		
OSTRACODA	4	
COPEPODA		
Acartia tonsa	90	15
Saphirella sp. I		1
Farranulla carinata	44	
Centropages hamatus	22	3
Labidocera aestiva	58	
Oithona nana	32	2
Oithona brevicornis	24	
Paracalanus parvus	26	2
Clausocalanus arcuicornis		4
Saphirella tropica	16	
Oithona simplex	30	
Paracalanus parvus	144	6
Oithona colcarva	24	
Corycaeus americanus	4	1
Pseudodiaptomus coronatus	76	2
Acrocalanus longicornis	16	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: AUGUST, 1994
Station: 6 ppt

Taxon	Oblique	Surface
Temora turbinata	6	
Oncaea venusta	8	
Saphirella sp. II	4	
Oncea mediterranea	8	1
CIRRIPEDIA - Nauplii	66	8
Cypris larvae	28	
CUMACEA		
CHAETOGNATHA - Larvae	2	
CHAETOGNATHA - Adult	8	
ECHINODERMATA		
Bipinnaria larvae	8	2
SIPUNCULIDA	10	
BRACHIOPODA Adult		
BRYOZOA		1
HEMICHORDATA -Tornaria larvae	10	
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	382	9
THALIACEA - Salpidae	2	4

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: August, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	4	2
Hydromedusae	13	7
Schyphomedusae	3	
ROTOTARIA	10	11
PLATYHELMINTHES		
Turbellaria	2	
Mueller's larvae	9	
NEMATODA	2	
ANNELIDA ADULT	11	1
Polychaeta trochophore	36	3
Polychaeta larvae	32	
MOLLUSCA		
Gastropoda trochophore	2	
Gastropoda veliger	9	1
Gastropoda adult	73	4
Pelecypoda (Bivalvia) trochophore	6	
Pelecypoda adult	21	
ARTHROPODA		
CRUSTACEA -Nauplii	759	137
BRANCHIPODA-Cladocera	2	
COPEPODA		
Harpactacoid	5	
Euterpina acutifrons	1	
Acartia tonsa	12	
Saphirella sp. I	3	1
Farranulla carinata	2	
Centropages hamatus	16	
Labidocera aestiva	73	1
Oithona nana	10	
Oithona brevicornis	13	
Paracalanus crassirostris	75	
Saphirella tropica	8	
Oithona simplex	3	
Paracalanus parvus	7	
Oithona colcarva	8	
Pseudodiaptomus cornatus	6	
Acrocalanus longicornis	13	
Temora turbinata	2	
Oncea mediterranea	1	
CIRRIPEDIA - Nauplii	5	
Cypris larvae	61	7

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: AUGUST, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Schyphomedusae	1	
ANNELIDA		
Polychaeta trochophore		1
Polychaeta larvae		2
MOLLUSCA		
Gastropoda veliger		1
Pelecypoda (Bivalvia) trochophore	28	5
ARTHROPODA		
CRUSTACEA -Nauplii	758	369
BRANCHIPODA-Cladocera	1	
Acartia tonsa	80	13
Oithona nana	10	9
Oithona birevcornis	2	
Clausocalanus arcuicornis		2
CIRRIPEDIA - Nauplii	4	1
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae		1

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: August, 1994
Station: 20 ppt

Taxon	Oblique	Surface
DECAPODA - ZOEA		
Penaeidan	2	
Limulus polyphemus zoea	1	
CHAETOGNATHA - Larvae	6	
CHAETOGNATHA	6	
ECHINODERMATA		
Bipinnaria larvae	3	
PHORONIDAE - Actinotrocha larvae	2	3
BRACHIOPODA Larvae	65	
BRACHIOPODA	6	
BRYOZOA	3	
HEMICHORDATA -Tornaria larvae	3	
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	122	
THALIACEA - Salpidae	3	1
LARVACEA - Appendicularia	1	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: September, 1994
Station: 0 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	2	3
Hydromedusae	1	
CTENOPHORA		
Cydippida	4	3
Cestida	1	3
ROTOTARIA	14	12
GASTROTRICHIA	20	5
PLATYHELMINTHES		
Turbellaria	6	3
NEMATODA	4	
NEMERTEA		
Pilidium larvae	1	
ANNELIDA		
Polychaeta trochophore	3	4
Polychaeta larvae	4	2
MOLLUSCA		
Gastropoda trochophore	14	7
Gastropoda veliger	1	2
Gastropoda adult	4	
ARTHROPODA		
CRUSTACEA -Nauplii	37	10
COPEPODA		
Harpactacoid	3	
Saphirella sp. I	1	
Oithona nana	2	
Oithona brevicornis	1	1
Clytemnestra sp.	2	
Temora turbinata	1	
CIRRIPEDIA - Nauplii	12	2
Cypris larvae		
CUMACEA		
DECAPODA - ZOEA		
Brachyuran	1	
AETOGNATHA - Larvae	2	
PHORONIDAE - Actinotrocha larvae	2	3
BRACHIOPODA	5	1

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: September, 1994
Station: 0 ppt

Taxon	Oblique	Surface
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	1	3
LARVACEA - Appendicularia	1	1

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: September, 1994
Station: 6 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa	1	
Siphonophora		
CTENOPHORA	2	5
Cydippida	9	2
Cestida		
ROTOTARIA	14	20
GASTROTRICHIA	10	22
PLATYHELMINTHES	2	1
Turbellaria		
NEMATODA	1	
ANNELIDA		5
Polychaeta trochophore	2	91
Polychaeta larvae	17	2
MOLLUSCA		
Gastropoda trochophore	1	
Gastropoda veliger	7	1
Pelecypoda (Bivalvia) trochophore	4	4
Pelecypoda veliger	25	19
ARTHROPODA		
CRUSTACEA -Nauplii	470	169
OSTRACODA		3
COPEPODA		
Harpactacoid		
Acartia tonsa	16	
Oithona nana		2
Paracalanus crassirostris	8	
Clausocalanus arcuicornis	2	
Paracalanus parvis	28	
Oithina colcarva	5	
Clytemnestra	77	14
CIRRIPEDIA - Nauplii	1	
BRACHIOPODA Larvae		1
HEMICHORDATA -Tornaria larvae	3	20
CHORDATA		
UROCHORDATA		
LARVACEA - Appendicularia	10	3

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: September, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	4	1
Hydromedusae	274	152
Schyphomedusae	4	
CTENOPHORA		
Cydippida	2	
ROTOTARIA	32	8
PLATYHELMINTHES		
Turbellaria	14	2
Mueller's larvae	4	3
NEMATODA	6	
NEMERTEA	4	4
Pilidium larvae	12	4
ANNELIDA		
Polychaeta trochophore	24	25
Polychaeta larvae	28	20
MOLLUSCA		
Gastropoda trochophore	6	4
Gastropoda veliger	8	1
Gastropoda adult	14	5
Pelecypoda (Bivalvia) trochophore	10	2
Pelecypoda veliger	4	
Pelecypoda adult	8	4
ARTHROPODA		
BRANCHIPODA-Cladocera	14	
OSTRACODA		2
Acartia tonsa	32	17
Centropages hamatus	10	6
Labidocera aestiva	24	10
Oithona nana	10	5
Oithona brevicornis	34	8
Paracalanus crassirostris	34	20
Clausocalanus arcuicornis	8	6
Oithona simplex	4	2
Paracalanus parvus	72	21
Oithona colcarvus	10	2
Corycaeus americanus		1
Pseudodiaptomus coronatus	36	10
Acrocalanus longicornis	16	
Temora turbinata		4
Copilia sp.	2	2

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: September, 1994
Station: 12 ppt

Taxon	Oblique	Surface
Gaetanus pileatus		1
CIRRIPEDIA - Nauplii	32	4
Cypris larvae	10	1
ISOPODA		2
INSECTA-larvae		1
CHAETOGNATHA - Larvae	2	1
ECHINODERMATA		
Asteroidea pluteus		5
Bipinnaria larvae	4	9
SIPUNCULIDA	8	2
PHORONIDAE - Actinotrocha larvae	10	2
BRACHIOPODA Larvae	12	7
HEMICHORDATA -Tornaria larvae	18	8
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	490	213
THALIACEA - Salpidae	2	1
LARVACEA - Appendicularia	4	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: Sept, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Hydromedusae	1	
CTENOPHORA		
Cestida	5	4
ROTOTARIA	4	17
GASTROTRICHIA		9
PLATYHELMINTHES		
Turbellaria	1	
ANNELIDA		
Polychaeta trochophore	2	5
Polychaeta larvae	6	2
MOLLUSCA		
Gastropoda trochophore		2
Gastropoda veliger	5	
Gastropoda adult	1	1
Pelecypoda (Bivalvia) trochophore		3
Pelecypoda veliger	25	13
Pelecypoda adult	4	3
ARTHROPODA		
CRUSTACEA -Nauplii	99	356
OSTRACODA	11	1
COPEPODA		
Acartia tonsa	12	15
Saphirella sp. I		1
Labidocera aestiva		2
Oithona nana	2	3
Oithona brevicornis		5
Paracalanus crassirostris	2	10
Paracalanus parvis	19	1
Pseudodiaptomus coronatus	29	1
Clytemnestra sp.		1
CIRRIPEDIA - Nauplii	3	2
Cypris larvae		1
BRACHIOPODA Larvae		4
BRYOZOA	2	
HEMICHORDATA -Tornaria larvae	28	17

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: Sept, 1994
Station: 20 ppt

Taxon	Oblique	Surface
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae		4
LARVACEA - Appendicularia	1	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: October, 1994
Station: 0 ppt

Taxon	Oblique	Surface
CTENOPHORA		
Cestida	1	
GASTROTRICHIA	13	
NEMATODA	1	
ANNELIDA ADULT		
Polychaeta trochophore	28	12
Polychaeta larvae	2	2
MOLLUSCA		
Gastropoda trochophore	1	
Gastropoda adult	1	
Pelecypoda veliger	1	
ARTHROPODA		
CRUSTACEA -Nauplii	11	2
COPEPODA		
Acartia tonsa	1	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: October, 1994
Station: 6 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	3	4
Hydromedusae	2	
ROTOTARIA	3	3
GASTROTRICHIA	2	1
PLATYHELMINTHES		
Turbellaria	4	
ANNELIDA ADULT	4	1
Polychaeta trochophore	1	
Polychaeta larvae	5	
MOLLUSCA		
Gastropoda veliger	1	1
ARTHROPODA		
CRUSTACEA -Nauplii	50	42
OSTRACODA	1	
COPEPODA		
Saphirella sp. I	1	
Oithona brevicornis	2	
Paracalanus crassirostris	1	
Paracalanus parvus	3	
Pseudodiaptomus coronatus		2
CIRRIPEDIA - Nauplii	8	
Cypris larvae		1
PHORONIDAE - Actinotrocha larvae	1	
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	4	
LARVACEA - Appendicularia		1

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: October, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Hydromedusae		6
Schyphomedusae		3
ROTOTARIA		2
PLATYHELMINTHES		
Turbellaria	144	11
Mueller's larvae	8	
NEMATODA	186	1
NEMERTEA		
Pilidium larvae	16	
ANNELIDA ADULT	68	1
Polychaeta trochophore	30	1
Polychaeta larvae	64	5
MOLLUSCA		
Gastropoda veliger	12	
Gastropoda adult	36	1
Pelecypoda adult	14	4
ARTHROPODA		
CRUSTACEA -Nauplii	812	83
OSTRACODA	24	
COPEPODA		
Acartia tonsa	66	1
Saphirella sp. I	40	1
Centropages hamatus	34	1
Labidocera aestiva	48	1
Oithona nana	16	
Oithona brevicornis	74	2
Paracalanus crassirostris	26	
Clausocalanus arcuicornis	8	
Saphirella tropica	22	
Oithona simplex	14	
Paracalanus parvus	112	2
Oithona colcarva	14	
Pseudodiaptomus coronatus	90	
Acrocalanus longicornis	10	
Oncaea venusta	20	3
Saphirella sp. I	10	1
CIRRIPEDIA - Nauplii	220	24
Cypris larvae	28	
DECAPODA - ZOEA		
Brachyuran (pre-zoea)	20	
ISOPODA	8	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: October, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Hydromedusae	8	3
Schyphomedusae		1
CTENOPHORA		
Cydippida		1
GASTROTRICHIA	8	1
PLATYHELMINTHES		
Turbellaria	22	3
ANNELIDA ADULT	104	
Polychaeta trochophore	12	7
Polychaeta larvae	94	1
MOLLUSCA		
Gastropoda trochophore	4	1
Gastropoda veliger	20	
Gastropoda adult	52	
Pelecypoda veliger	24	25
Pelecypoda adult	8	
ARTHROPODA		
CRUSTACEA -Nauplii	2724	328
BRANCHIPODA-Cladocera	46	1
OSTRACODA	110	
COPEPODA		
Harpactacoid	8	
Acartia tonsa	168	8
Sapphirella sp.I	16	
Labidocera aestiva	208	3
Oithona nana	502	15
Oithona brevicornis	68	8
Paracalanus crassirostris	268	10
Saphirella tropica	4	
Oithona simplex	70	8
Paracalanus parvus	196	10
Pseudodiaptomus coronatus	38	
Clytemnestra sp.	2	
Saphirella sp.	4	
CIRRIPEDIA - Nauplii	140	12
Cypris larvae	6	
DECAPODA - ZOEA		
Penaeidan	1	
ISOPODA	5	1
CHAETOGNATHA - Adult	8	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: October, 1994
Station: 20 ppt

Taxon	Oblique	Surface
ECHINODERMATA		
Asteroidea pluteus	4	1
BRACHIOPODA Larvae	2	
BRYOZOA	2	
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	176	5

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: November, 1994
Station: 0 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	2	8
Hydromedusae	2	
CTENOPHORA		
Cydippida		4
Cestida	12	26
ROTOTARIA	458	730
GASTROTRICHIA	366	418
PLATYHELMINTHES		
Mueller's larvae	2	
NEMATODA	2	6
NEMERTEA		
Pilidium larvae		4
ANNELIDA ADULT	2	
Polychaeta trochophore	8	10
Polychaeta larvae	36	46
MOLLUSCA		
Gastropoda trochophore	2	6
Gastropoda veliger	2	6
Gastropoda adult		4
Pelecypoda adult	24	20
ARTHROPODA		
CRUSTACEA -Nauplii	570	320
BRANCHIPODA-Cladocera		
OSTRACODA		
COPEPODA		
Harpactacoid	4	
Euterpina acutifrons	12	
Acartia tonsa	4	12
Paracalanus parvus	4	
Oithona colcarva	4	
Clyetemnestra sp.	10	
Aegisthus sp.	6	
Sapphrina sp.	2	
Saphirella sp. II	4	2
Corycaeus latus	2	
CIRRIPEDIA		
Cypris larvae	284	66

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: November, 1994
Station: 0 ppt

Taxon	Oblique	Surface
ECHINODERMATA		
Asteroidea pluteus		2
PHORONIDAE - Actinotrocha larvae		6
BRYOZOA	4	
HEMICHORDATA -Tornaria larvae	6	
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	6	4
THALIACEA - Salpidae	2	2
LARVACEA - Appendicularia	4	34

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: November, 1994
Station: 6 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora		2
Hydromedusae		2
CTENOPHORA		
Cestida	1	
ROTOTARIA	8	70
GASTROTRICHIA	4	73
PLATYHELMINTHES		
Turbellaria	1	
Mueller's larvae		
NEMATODA	3	
NEMERTEA		
Pilidium larvae		3
ANNELIDA ADULT	2	16
Polychaeta trochophore	6	15
Polychaeta larvae	18	23
MOLLUSCA		
Gastropoda veliger	2	3
Gastropoda adult	1	1
Pelecypoda adult	11	6
Scaphapoda veliger		5
ARTHROPODA		
CRUSTACEA -Nauplii	138	232
OSTRACODA	2	
COPEPODA		
Euterpina acutifrons	2	7
Farranulla carinata	3	
Labidocera aestiva	4	
Oithona brevicornis	6	
Paracalanus crassirostris	3	
Saphirella tropica	3	
Paracalanus parvus	1	9
Oithona colcarva	5	2
Pseudodiaptomus coronatus	1	2
Clytemnestra sp.		3
Acrocalanus longicornis	9	
Oncaea venusta		1
CIRRIPEDIA - Nauplii		
Cypris larvae	9	94
CHAETOGNATHA - Adult	3	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: November, 1994
Station: 6 ppt

Taxon	Oblique	Surface
BRACHIOPODA Adult		2
HEMICHORDATA -Tornaria larvae	8	10
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	5	6
THALIACEA - Salpidae		1
LARVACEA - Appendicularia	2	3

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: October, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Hydromedusae	1	
ROTOTARIA	8	
GASTROTRICHIA	1	2
PLATYHELMINTHES		
Turbellaria		1
Mueller's larvae		1
NEMATODA	7	
ANNELIDA ADULT	13	9
Polychaeta trochophore	9	
Polychaeta larvae	34	
MOLLUSCA		
Gastropoda trochophore	1	
Gastropoda veliger	2	2
Gastropoda adult	3	1
Pelecypoda veliger	3	
Pelecypoda adult	3	3
ARTHROPODA		
CRUSTACEA -Nauplii	158	122
BRANCHIPODA-Cladocera		
OSTRACODA	16	3
COPEPODA		
Acartia tonsa		2
Oithona nana	1	
Paracalanus parvus	1	2
CIRRIPEDIA - Nauplii	4	3
HEMICHORDATA -Tornaria larvae	9	15
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	38	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: October, 1994
Station: 12 ppt

Taxon	Oblique	Surface
CHAETOGNATHA - Adult	4	
PHORONIDAE - Actinotrocha larvae	4	4
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	152	8

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: November, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	1	
Hydromedusae	3	16
CTENOPHORA		
Cydippida	1	
ROTOTARIA	11	5
PLATYHELMINTHES		
Turbellaria	2	
Mueller's larvae	1	
NEMATODA	1	
NEMERTEA		
Pilidium larvae	3	
ANNELIDA ADULT	11	4
Polychaeta trochophore	36	11
Polychaeta larvae	62	27
MOLLUSCA		
Gastropoda trochophore	1	2
Gastropoda veliger	6	3
Gastropoda adult	15	
Pelecypoda veliger	1	
Pelecypoda adult	7	2
ARTHROPODA		
CRUSTACEA -Nauplii	291	203
BRANCHIPODA-Cladocera	34	1
OSTRACODA	7	1
COPEPODA		
Euterpina acutifrons	3	
Acartia tonsa	3	1
Saphirella sp. I	5	
Labidocera aestiva	18	7
Oithona nana	19	7
Oithona brevicornis	52	4
Paracalanus crassirostris	3	
Clausocalanus arcuicornis	1	3
Saphirella tropica	11	
Orthona simplex	7	1
Paracalanus parvus	6	
Oithona colcarva	3	
Pseudodiaptomus coronatus	8	1
Clytemnestra sp.	8	1
Acrocalanus longicornis	14	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: November, 1994
Station: 20 ppt

Taxon	Oblique	Surface
Oncaea venusta	8	
Saphirella sp. II	5	
CIRRIPEDIA - Nauplii	30	29
Cypris larvae	30	6
DECAPODA - ZOEA		
Brachyuran (pre-zoea)	13	
Emerita	4	
CHAETOGNATHA - Adult	3	
SIPUNCULIDA	1	3
HEMICHORDATA -Tornaria larvae	2	2
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	72	10
LARVACEA - Appendicularia		2

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: December, 1994
Station: 0 ppt

Taxon	Oblique	Surface
CTENOPHORA		
Cydippida		1
Cestida		2
ROTOTARIA	4	48
GASTROTRICHIA		6
ANNELIDA		
Polychaeta trochophore	2	2
Polychaeta larvae		2
MOLLUSCA		
Pelecypoda (Bivalvia) trochophore		1
ARTHROPODA		
CRUSTACEA -Nauplii	7	8
COPEPODA		
Oithona nana		3
CHORDATA		
UROCHORDATA		
LARVACEA - Appendicularia		3

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: December, 1994
Station: 6 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Hydromedusae	20	13
ROTOTARIA	1	
GASTROTRICHIA	9	2
ANNELIDA		
Polychaeta trochophore	1	
Polychaeta larvae	3	3
MOLLUSCA		
Gastropoda veliger	2	
Pelecypoda (Bivalvia) trochophore	36	
Pelecypoda veliger	11	
ARTHROPODA		
CRUSTACEA -Nauplii	46	23
OSTRACODA		1
COPEPODA		
Euterpina acutifrons	1	
Acartia tonsa	3	1
Paracalanus crassirostris	1	
CIRRIPEDIA - Nauplii	11	2
BRYOZOA	1	
HEMICHORDATA -Tornaria larvae	4	7
CHORDATA		
UROCHORDATA		
LARVACEA - Appendicularia	3	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: December, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Schyphomedusae	36	
ROTOTARIA	14	7
ANNELIDA		
Polychaeta trochophore	8	3
Polychaeta larvae	16	2
MOLLUSCA		
Gastropoda trochophore	33	16
Pelecypoda (Bivalvia) trochophore	5	1
Pelecypoda veliger	6	1
Pelecypoda adult	1	
ARTHROPODA		
CRUSTACEA -Nauplii	64	41
COPEPODA		
Acartia tonsa	1	4
Labidocera aestiva		1
Oithona nana	1	5
Paracalanus crassirostris	2	3
Saphirella tropica		1
CIRRIPEDIA - Nauplii	8	7
HEMICHORDATA -Tornaria larvae	4	5
CHORDATA		
UROCHORDATA		
LARVACEA - Appendicularia	7	7

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: December, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Hydromedusae	4	
ROTOTARIA	1	1
PLATYHELMINTHES		
Turbellaria	44	11
Mueller's larvae		2
NEMATODA		4
ANNELIDA ADULT	2	4
Polychaeta trochophore	8	6
Polychaeta larvae	30	9
MOLLUSCA		
Gastropoda veliger	6	
Gastropoda adult	16	8
Pelecypoda (Bivalvia) trochophore	2	
Pelecypoda veliger	224	161
Pelecypoda adult	526	198
ARTHROPODA		
CRUSTACEA -Nauplii	2524	929
BRANCHIPODA-Cladocera	4	2
OSTRACODA	12	2
COPEPODA		
Harpactacoid	8	
Acartia tonsa	122	17
Saphirella sp. I	36	2
Labidocera aestiva	28	7
Oithona nana	133	44
Oithona brevicornis	44	12
Paracalanus crassirostris	106	7
Saphirella tropica	166	6
Oithona simplex	4	5
Paracalanus parvus	232	5
Pseudodiaptomus coronatus	42	
CIRRIPEDIA - Nauplii	72	19
CHAETOGNATHA - Adult	2	2
BRACHIOPODA Larvae	1	1
HEMICHORDATA -Tornaria larvae		5

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: December, 1994
Station: 20 ppt

Taxon	Oblique	Surface
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	76	51
LARVACEA - Appendicularia		2

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 11 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	10.31	5.05	4.05	52.8	43.9	49.0	39.3
CHLOROPHYLL a	141.8	41.8	32.3			29.5	22.8
C-14 DARK	0.63						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	5.26	1.00	4.05	51.0	9.7	39.3
CHLOROPHYLL a	100.00	9.50	32.30	70.5	6.7	22.8
RATIOS	0.05	0.11	0.13	0.72	1.45	1.72

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 11 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	39.80	0.28
MGC/M-3/EM-2	10.31	0.07
MGC/M-3/DAY	200.05	1.41
MGC/M-3/MONTH	6167.46	43.49
MGC/M-2/DAY	222.32	1.57
MGC/M-2/MONTH	6853.97	48.34

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 11 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 12.2

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	6.13	3.22	1.93	52.6	31.5
2	5.04	2.17	1.48	43.1	29.4
3	10.36	4.90	3.10	47.3	30.0
4	12.82	7.17	3.51	55.9	27.4
5	12.07	5.25	2.45	43.5	20.3
MEAN	9.28	4.54	2.50	48.5	27.7
SD	3.14	1.73	0.74	5.0	3.9

PRIMARY PRODUCTIVITY DARK BOTTLES
UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	466.47	5.0

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 11 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	9.28	4.54	2.50	48.5	27.7	48.9	26.9
CHLOROPHYLL a	30.7	15.8	7.1			51.5	23.1
C-14 DARK	0.47						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	4.74	2.05	2.50	51.1	22.1	26.9
CHLOROPHYLL a	14.90	8.70	7.10	48.5	28.3	23.1
RATIOS	0.32	0.24	0.35	1.05	0.78	1.16

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 11 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	35.24	1.15
MGC/M-3/EM-2	9.28	0.30
MGC/M-3/DAY	180.10	5.87
MGC/M-3/MONTH	5552.45	180.86
MGC/M-2/DAY	180.10	5.87
MGC/M-2/MONTH	5552.45	180.86

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 11 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 18.8

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	37.69	9.32	5.43	24.7	14.4
2	45.71	12.83	6.49	28.1	14.2
3	44.37	10.97	7.11	24.7	16.0
4	45.54	11.90	6.52	26.1	14.3
5	37.65	10.03	5.39	26.6	14.3
MEAN	42.19	11.01	6.19	26.1	14.6
SD	3.72	1.26	0.67	1.3	0.7

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	1185.51	2.8

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 11 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	42.19	11.01	6.19	26.1	14.6	26.1	14.7
CHLOROPHYLL a	16.8	7.9	4.7			47.0	28.0
C-14 DARK	1.19						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	31.19	4.82	6.19	73.9	11.4	14.7
CHLOROPHYLL a	8.90	3.20	4.70	53.0	19.0	28.0
RATIOS	3.50	1.51	1.32	1.40	0.60	0.52

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 11 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	151.81	9.04
MGC/M-3/EM-2	42.19	2.51
MGC/M-3/DAY	818.57	48.72
MGC/M-3/MONTH	25236.48	1502.17
MGC/M-2/DAY	1835.79	109.27
MGC/M-2/MONTH	56597.30	3368.89

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 12 / 94

SALINITY BASED ON: REFRACTOMETER READING = 0.0 CLORIDE LEVELS = 0.0

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	14.00	13.64	10.30	97.4	73.6
2	13.39	11.82	9.28	88.3	69.3
3	15.56	14.71	9.64	94.5	62.0
4	18.65	15.01	13.24	80.5	71.0
5	16.59	16.16	12.48	97.4	75.2
MEAN	15.64	14.27	10.99	91.6	70.2
SD	1.88	1.46	1.58	6.5	4.6

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	1801.09	11.5

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 12 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	15.64	14.27	10.99	91.6	70.2	91.2	70.3
CHLOROPHYLL a	11.7	8.4	8.4			71.8	71.8
C-14 DARK	1.80						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	1.37	3.28	10.99	8.8	21.0	70.3
CHLOROPHYLL a	3.30	0.00	8.40	28.2	0.0	71.8
RATIOS	0.42	0.00	1.31	0.31	0.00	0.98

SUMMARY OF RESULTS FOR SAL. 0 o/oo COLLECTED ON 12 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	46.44	3.97
MGC/M-3/EM-2	15.64	1.34
MGC/M-3/DAY	241.92	20.68
MGC/M-3/MONTH	8091.24	691.56
MGC/M-2/DAY	253.76	21.69
MGC/M-2/MONTH	8487.22	725.40

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 12 / 94

SALINITY BASED ON: REFRACTOMETER READING = 6.0 CLORIDE LEVELS = 6.2

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	3.72	3.24	2.38	87.3	63.9
2	2.46	2.21	2.21	90.1	90.0
3	2.37	2.23	1.80	94.1	76.0
4	2.80	2.41	1.59	86.2	57.0
5	5.29	3.67	3.35	69.4	63.4
MEAN	3.32	2.75	2.27	85.4	70.0
SD	1.09	0.59	0.61	8.4	11.7

PRIMARY PRODUCTIVITY DARK BOTTLES
UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	172.44	5.2

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 12 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	3.32	2.75	2.27	85.4	70.0	82.8	68.1
CHLOROPHYLL a	89.8	75.6	54.4			84.2	60.6
C-14 DARK	0.17						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	0.57	0.49	2.27	17.2	14.7	68.1
CHLOROPHYLL a	14.20	21.20	54.40	15.8	23.6	60.6
RATIOS	0.04	0.02	0.04	1.09	0.62	1.12

SUMMARY OF RESULTS FOR SAL. 6 o/oo COLLECTED ON 12 / 94
****

MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	10.04	0.11
MGC/M-3/EM-2	3.32	0.04
MGC/M-3/DAY	51.42	0.57
MGC/M-3/MONTH	1719.92	19.15
MGC/M-2/DAY	57.05	0.64
MGC/M-2/MONTH	1907.95	21.25

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 12 / 94

SALINITY BASED ON: REFRACTOMETER READING = 12.0 CLORIDE LEVELS = 13.6

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	8.10	1.17	1.12	14.4	13.9
2	4.43	2.94	1.63	66.4	36.8
3	2.91	1.61	1.12	55.1	38.5
4	1.34	1.38	0.77	102.4	57.1
MEAN	4.20	1.77	1.16	59.6	36.5
SD	2.50	0.69	0.31	31.4	15.3

PRIMARY PRODUCTIVITY DARK BOTTLES
UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	103.85	2.5

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 12 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	4.20	1.77	1.16	59.6	36.5	42.3	27.6
CHLOROPHYLL a	16.8	5.3	4.1			31.5	24.4
C-14 DARK	0.10						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	2.42	0.61	1.16	57.7	14.6	27.6
CHLOROPHYLL a	11.50	1.20	4.10	68.5	7.1	24.4
RATIOS	0.21	0.51	0.28	0.84	2.05	1.13

SUMMARY OF RESULTS FOR SAL. 12 o/oo COLLECTED ON 12 / 94

MEAN CARBON FIXATION IN VARIOUS UNITS

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	12.67	0.75
MGC/M-3/EM-2	4.20	0.25
MGC/M-3/DAY	64.92	3.86
MGC/M-3/MONTH	2171.29	129.24
MGC/M-2/DAY	67.99	4.05
MGC/M-2/MONTH	2273.93	135.35

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 12 / 94

SALINITY BASED ON: REFRACTOMETER READING = 20.0 CLORIDE LEVELS = 21.1

PRIMARY PRODUCTIVITY LIGHT BOTTLES
MGC/M-3/EM-2

REPLICATE	TOTAL	20U	5U	PERCENT 20U	PERCENT 5U
1	36.42	5.32	3.28	14.6	9.0
2	17.61	9.85	3.88	55.9	22.1
3	11.85	9.83	5.05	83.0	42.6
4	14.45	6.01	3.29	41.6	22.8
5	12.95	9.34	3.60	72.1	27.8
MEAN	18.66	8.07	3.82	53.5	24.8
SD	9.09	1.98	0.65	24.0	10.8

PRIMARY PRODUCTIVITY DARK BOTTLES

UGC/M-3/EM-2

	MEAN	% LIGHT
DARK	898.11	4.8

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 12 / 94

SUMMARY TABLE - MEAN VALUES

	TOTAL	20U	5U	MEAN PERCENT 20U	MEAN PERCENT 5U	CALCULATED PERCENT 20U	CALCULATED PERCENT 5U
C-14 LIGHT	18.66	8.07	3.82	53.5	24.8	43.3	20.5
CHLOROPHYLL a	8.5	6.4	3.8			75.3	44.7
C-14 DARK	0.90						

SUMMARY TABLE - SIZE FRACTIONS

	FRACTION <20U	FRACTION 20-5U	FRACTION >5U	PERCENT <20U	PERCENT 20-5U	PERCENT >5U
C-14 UPTAKE	10.58	4.25	3.82	56.7	22.8	20.5
CHLOROPHYLL a	2.10	2.60	3.80	24.7	30.6	44.7
RATIOS	5.04	1.64	1.01	2.30	0.75	0.46

SUMMARY OF RESULTS FOR SAL. 20 o/oo COLLECTED ON 12 / 94
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MEAN CARBON FIXATION IN VARIOUS UNITS
****

UNITS	VALUE	STANDARDIZED TO MGCHLA/M-3
MGC/M-3/HR	50.61	5.95
MGC/M-3/EM-2	18.66	2.19
MGC/M-3/DAY	288.60	33.95
MGC/M-3/MONTH	9652.27	1135.56
MGC/M-2/DAY	701.10	82.48
MGC/M-2/MONTH	23448.60	2758.66

APPENDIX C

ZOOPLANKTON TAXONOMY
SUMMARY RESULTS OF MONTHLY SAMPLING

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: January, 1994
Station: 0 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	1	2
CTENOPHORA		
Cydippida	7	1
Cestida	14	9
ROTOTARIA	58	311
ANNELIDA		
Polychaeta trochophore	39	46
MOLLUSCA		
Gastropoda trochophore		7
Gastropoda veliger		13
Pelecypoda (Bivalvia) trochophore		2
Nudibranchia		1
ARTHROPODA		
CRUSTACEA -Nauplii	95	114
SIPUNCULIDA	5	22
HEMICHORDATA -Tornaria larvae	17	177
CHORDATA		
LARVACEA - Appendicularia	19	156

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: January, 1994
Station: 6 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa	12	4
Siphonophora		
CTENOPHORA	10	2
Cydippida	4	2
Cestida		
ROTOTARIA	314	98
GASTROTRICHIA	2	4
PLATYHELMINTHES	4	
Mueller's larvae		
ANNELIDA	21,323	24,674
Polychaeta trochophore	34	6
Polychaeta larvae		
MOLLUSCA	102	28
Gastropoda trochophore	104	26
Gastropoda veliger	682	494
Pelecypoda (Bivalvia) trochophore		4
Pelecypoda veliger	12	4
Scaphapoda veliger		
ARTHROPODA	804	414
CRUSTACEA -Nauplii		
COPEPODA	2	
Clytemnestra sp.	4	
Euterpina acutifrons		
Calanoida	40	
Acartia tonsa	10	
Paracalanus parvus		
Cyclopoida	2	
Oithona nana	740	76
CIRRIPEDIA - Nauplii	20	
Cypris larvae	2	
ISOPODA		
PHORONIDAE - Actinotrocha larvae	4	4
BRYOZOA	2	
HEMICHORDATA -Tornaria larvae	102	101

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: January, 1994
Station: 6 ppt

Taxon	Oblique	Surface
CHORDATA		
THALIACEA - Salpidae		3
LARVACEA - Appendicularia	55	45
PISCES - larvae	15	11

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: January, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora		1
Hydromedusae	1	26
Schyphomedusae		1
CTENOPHORA		
Cydippida	4	2
Cestida	6	
ROTOTARIA	119	56
PLATYHELMINTHES		
Turbellaria	1	3
Mueller's larvae	2	
ANNELIDA ADULT	1	
Polychaeta trochophore	20	40
Polychaeta larvae	8	2
MOLLUSCA		
Gastropoda trochophore	1	6
Gastropoda adult	1	
Pelecypoda veliger	4	3
Pelecypoda adult	10	
Scaphapoda veliger	3	3
ARTHROPODA		
CRUSTACEA -Nauplii	260	216
COPEPODA		
Harpactacoid		
Clytemnestra sp.	4	
Calanoida		
Acartia tonsa	13	3
Paracalanus crassirostris	2	
Pseudodiaptomus coronatus	15	1
Cyclopoida		
Saphirella sp 1.		2
S. tropica	1	
Oithona nana	4	3
O. brevicornis		2
Corycaeus americanus	12	7
CIRRIPEDIA - Nauplii	39	13
Cypris larvae	1	2
ISOPODA	1	
SIPUNCULIDA	29	52

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: January, 1994
Station: 12 ppt

Taxon	Oblique	Surface
BRYOZOA	1	1
HEMICHORDATA -Tornaria larvae	281	151
CHORDATA		
UROCHORDATA		
LARVACEA - Appendicularia	17	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: January, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	4	1
Hydromedusae	927	51
Schyphomedusae		1
CTENOPHORA		
Cydippida		7
ROTOTARIA	439	160
PLATYHELMINTHES		
Turbellaria		1
ANNELIDA ADULT	2	
Polychaeta trochophore	232	44
Polychaeta larvae	14	1
MOLLUSCA		
Gastropoda trochophore	18	60
Gastropoda veliger	20	
Pelecypoda (Bivalvia) trochophore	4	8
Pelecypoda veliger	8	8
Pelecypoda adult	43	1
Scaphapoda veliger		3
ARTHROPODA		
CRUSTACEA -Nauplii	1416	378
Harpactacoid	3	
Clytemnestra sp.	3	
Calanoida		
Acartia tonsa	13	
Centropages hamatus	6	
Labidocera aestiva	57	
Paracalanus crassirostris	9	
P. parvus	7	
Clausocalanus arcuicornis	18	
Pseudodiaptomus coronatus	7	
Cyclopoida		
Saphirella sp 1.	7	
Saphirella sp 2.	14	
S. tropica	10	
Oithona nana	52	18
O. brevicornis	49	
O. simplex	18	4
O. colocarva	9	
Corycaeus americanus	22	12

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: January, 1994
Station: 20 ppt

Taxon	Oblique	Surface
CIRRIPEDIA - Nauplii		4
Cypris larvae	12	9
PHORONIDAE - Actinotrocha larvae	7	
BRYOZOA	9	1
HEMICHORDATA -Tornaria larvae	36	181
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	32	3
THALIACEA - Salpidae	2	
LARVACEA - Appendicularia	4	2

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: February, 1994
Station: 0 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	2	12
Hydromedusae	3	
Schyphomedusae	1	1
CTENOPHORA		
Cydippida	4	6
Cestida	5	3
ROTOTARIA	84	223
GASTROTRICHIA	13	18
NEMERTEA		2
ANNELIDA		
Polychaeta trochophore	174	679
Polychaeta larvae	2	1
MOLLUSCA		
Gastropoda trochophore	16	21
Gastropoda veliger	5	5
Pelecypoda (Bivalvia) trochophore	2	3
Scaphapoda veliger	2	4
ARTHROPODA		
CRUSTACEA -Nauplii	41	29
COPEPODA		
Harpactacoida		
Euterpina acutifrons	1	
Clytemnestra sp.		1
Calanoida		
Candacia pachydactyla	2	1
CIRRIPEDIA - Nauplii	5	
SIPUNCULIDA	1	
PHORONIDAE - Actinotrocha larvae	2	3
BRACHIOPODA Adult	1	
HEMICHORDATA -Tornaria larvae	25	48
CHORDATA		
UROCHORDATA		
THALIACEA - Salpidae		1
LARVACEA - Appendicularia	8	6

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: February, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	1	
Schyphomedusae	2	
CTENOPHORA		
Cydippida	2	5
Cestida	1	5
ROTOTARIA	429	871
PLATYHELMINTHES		
Turbellaria	2	1
Polychaeta trochophore	2	
Polychaeta larvae	5	14
MOLLUSCA		
Gastropoda adult	1	3
Pelecypoda veliger	8	6
ARTHROPODA		
CRUSTACEA -Nauplii	250	360
COPEPODA		
Harpactacoid		
Clytemnestra sp.	11	24
Calanoida		
Acartia tonsa	15	2
Paracalanus crassirostris	13	2
P. parvus	6	3
Clausocalanus arcuicornis	3	1
Pseudodiaptomus coronatus	3	
Cyclopoida		
Oithona nana	1	
O. brevicornis		1
O. simplex	3	
Corycaeus americanus	1	
Saphirella sp 1.		1
CIRRIPEDIA - Nauplii	31	16
Cypris larvae	4	
ISOPODA		1
INSECTA		1
BRYOZOA	2	2
HEMICHORDATA -Tornaria larvae	182	235

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: February, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	1	
Schyphomedusae	2	
CTENOPHORA		
Cydippida	2	5
Cestida	1	5
ROTOTARIA	429	871
PLATYHELMINTHES		
Turbellaria	2	1
Polychaeta trochophore	2	
Polychaeta larvae	5	14
MOLLUSCA		
Gastropoda adult	1	3
Pelecypoda veliger	8	6
ARTHROPODA		
CRUSTACEA -Nauplii	250	360
COPEPODA		
Harpactacoid		
Clytemnestra sp.	11	24
Calanoida		
Acartia tonsa	15	2
Paracalanus crassirostris	13	2
P. parvus	6	3
Clausocalanus arcuicornis	3	1
Pseudodiaptomus coronatus	3	
Cyclopoida		
Oithona nana	1	
O. brevicornis		1
O. simplex	3	
Corycaeus americanus	1	
Saphirella sp 1.		1
CIRRIPEDIA - Nauplii	31	16
Cypris larvae	4	
ISOPODA		1
INSECTA		1
BRYOZOA	2	2
HEMICHORDATA -Tornaria larvae	182	235

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: February, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Hydromedusae	16	1
CTENOPHORA		
Cydippida	4	1
ROTOTARIA	3649	956
PLATYHELMINTHES		
Turbellaria	2	
Mueller's larvae		1
ANNELIDA		
Polychaeta trochophore		4
Polychaeta larvae	12	4
MOLLUSCA		
Gastropoda adult	2	1
Pelecypoda veliger	54	19
ARTHROPODA		
CRUSTACEA -Nauplii	1222	162
OSTRACODA	2	
COPEPODA		
Harpactacoida		
Clytemnestra sp.	2	
Calanoida		
Aartia tonsa	28	1
P. parvus	12	
Clausocalanus arcuicornis	2	2
Pseudodiaptomus coronatus	4	
Cyclopoida		
Saphirella sp. 1	4	
Saphirella sp 2	10	
Oithona nana	32	3
Oithona brevicornis		4
Oithona simplex	6	1
Corycaeus americanus	15	1
CIRRIPEDIA - Nauplii	45	7
Cypris larvae	28	3
BRYOZOA	1	
HEMICHORDATA -Tornaria larvae	64	2

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: February, 1994
Station: 20 ppt

Taxon	Oblique	Surface
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	1	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: March, 1994
Station: 0 ppt

Taxon	Oblique	Surface
CTENOPHORA		
Cydippida	14	17
Cestida	8	4
ROTOTARIA	44	84
GASTROTRICHIA		1
NEMATODA	1	
NEMERTEA	1	1
Pilidium larvae	1	7
ANNELIDA		
Polychaeta trochophore	10	
Polychaeta larvae	4	1
MOLLUSCA		
Gastropoda adult	5	
ARTHROPODA		
CRUSTACEA -Nauplii	52	123
BRANCHIPODA-Cladocera		
OSTRACODA		
COPEPODA		
Hapactacoida		
Clytemnestra sp.	1	1
Calanoida		
Acartia tonsa		2
Cyclopoida		
Oithona nana		1
Oncaea venusta	2	
CIRRIPEDIA - Nauplii		1
Cypris larvae	1	
ECHINODERMATA		
Asteroidea- juvenile		1
HEMICHORDATA -Tornaria larvae	16	1
CHORDATA		
UROCHORDATA		
THALIACEA - Salpidae	1	
LARVACEA - Appendicularia	6	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: March, 1994
Station: 6 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Hydromedusae	1	1
CTENOPHORA		
Cydippida	54	2
Cestida	19	13
ROTOTARIA	91	126
GASTROTRICHIA	26	5
NEMATODA	2	
Pilidium larvae	11	14
ANNELIDA		
Polychaeta trochophore	21	295
Polychaeta larvae	2	1
MOLLUSCA		
Gastropoda adult	1	
Pelecypoda adult		1
Scaphapoda veliger	1	5
ARTHROPODA		
CRUSTACEA -Nauplii	1375	362
OSTRACODA	3	
COPEPODA		
Harpactacoida		
Clytemnestra sp.	2	
Calanoida		
Acartia tonsa	39	3
Paracalanus crassirostris	1	
P. parvus	9	
Pseudodiaptomus coronatus	1	
Cyclopoida		
Farranulla carinata	1	
Oithona nana	6	
O. brevicornis	1	
O. simplex	1	
Corycaeus americanus	1	
Saphirella sp. 2	1	
CIRRIPEDIA - Nauplii	26	4
Cypris larvae	2	1
BRYOZOA	1	107

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: March, 1994
Station: 6 ppt

Taxon	Oblique	Surface
HEMICHORDATA -Tornaria larvae	164	218
CHORDATA		
UROCHORDATA		
LARVACEA - Appendicularia	6	1

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: March, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	8	12
Hydromedusae	170	38
Schyphomedusae	22	
CTENOPHORA		
Cydippida	2	4
Cestida	4	
ROTOTARIA	14	31
GASTROTRICHIA		2
PLATYHELMINTHES		
Turbellaria	12	10
Mueller's larvae	6	8
NEMATODA juvenile	98	262
NEMERTEA	10	
Pilidium larvae	6	10
ANNELIDA ADULT	24	
Polychaeta trochophore	387	421
Polychaeta larvae	142	16
MOLLUSCA		
Gastropoda trochophore	78	31
Gastropoda veliger	32	21
Gastropoda adult	56	7
Pelecypoda (Bivalvia) trochophore	34	14
Pelecypoda veliger	187	39
Pelecypoda adult	106	52
Scaphapoda veliger	8	
Nudibranchia veliger	14	12
ARTHROPODA		
CRUSTACEA -Nauplii	2828	306
BRANCHIPODA-Cladocera	12	2
OSTRACODA	4	4
COPEPODA		
Harpactacoid	24	
Euterpina acutifrons	19	12
Clytemnestra sp.	22	
Aegisthus sp.		1
Calanoida		
Acartia tonsa	39	

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: March, 1994
Station: 12 ppt

Taxon	Oblique	Surface
Calanoida (cont)		
Centropages hamatus	26	
Labidocera aestiva	150	28
Paracalanus crassirostris	152	4
P. parvus	66	
Clausocalanus arcuicornis	18	4
Pseudodiaptomus coronatus	36	
Acrocalanus longicornis	34	
Temora turbinata	22	
Gaetanus pileatus	14	1
Cyclopoida		
Saphirella sp 1.	14	
Saphirella tropica	22	4
Saphirella sp2.	8	
Farranulla carinata	58	
Centropages hamatus	17	5
Oithona nana	116	2
Oithona brevicornis	72	4
Oithona simplex	36	2
O. colcarva	62	2
Corycaeus americanus	56	
Oncaea venusta	19	
Sapphirina sp.	14	
Copilia sp.	10	
CIRRIPEDIA - Nauplii	175	10
Cypris larvae	84	6
CUMACEA	2	
DECAPODA - ZOEA		
Brachyuran	8	
ISOPODA	2	
CHAETOGNATHA - Larvae	10	4
CHAETOGNATHA - Adult	12	
ECHINODERMATA		
Bipinnaria larvae	6	10
Holothuroidea pluteus	6	
SIPUNCULIDA	36	80
PHORONIDAE - Actinotrocha larvae	6	10
BRACHIOPODA Larvae	16	
BRACHIOPODA Adult		17
BRYOZOA	30	12

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: March, 1994
Station: 12 ppt

Taxon	Oblique	Surface
HEMICHORDATA -Tornaria larvae	6	8
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	154	30
THALIACEA - Salpidae	2	4
LARVACEA - Appendicularia	8	10
PISCES - larvae	4	2

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: March, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	12	14
Hydromedusae	939	42
Schyphomedusae	24	3
CTENOPHORA		
Cydippida	3	
ROTOTARIA	6	38
PLATYHELMINTHES		
Turbellaria	28	6
Mueller's larvae	12	2
NEMERTEA	2	
Pilidium larvae	4	6
ANNELIDA ADULT	21	
Polychaeta trochophore	75	180
Polychaeta larvae	39	8
MOLLUSCA		
Gastropoda trochophore	62	68
Gastropoda veliger	29	20
Gastropoda adult	44	42
Pelecypoda (Bivalvia) trochophore	25	46
Pelecypoda veliger	309	140
Pelecypoda adult	122	85
Scaphapoda veliger	21	14
ARTHROPODA		
CRUSTACEA -Nauplii	6587	2456
BRANCHIPODA-Cladocera	3	
OSTRACODA	5	10
COPEPODA		
Harpactacoid	17	7
Euterpina acutifrons	11	
Clytemnestra sp.	24	2
Calanoida		
Acartia tonsa	23	21
Labidocera aestiva	457	112
Paracalanus crassirostris	87	9
P. parvus	45	7
Clausocalanus arcuicornis	28	9
Pseudodiaptomus coronatus	45	
Acrocalanus longicornis	29	2

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: March, 1994
Station: 20 ppt

Taxon	Oblique	Surface
Calanoida (cont)		
Temora turbinata	10	
Gaetanus pileatus		1
Cyclopoida		
Saphirella sp 1.	19	4
Saphirella tropica	12	
Saphirella sp 2.	9	2
Farranulla carinata	39	
Centropages hamatus	17	5
Oithona nana	160	21
Oithona brevicornis	172	34
Oithona simplex	19	9
O. colcarva	21	3
Corycaeus americanus	28	8
Oncaea venusta	21	
CIRRIPEDIA - Nauplii	186	50
Cypris larvae	65	45
Brachyuran	6	2
Penaeidiae	2	
ISOPODA	9	
INSECTA larvae		2
CHAETOGNATHA - Larvae	8	
CHAETOGNATHA - Adult	25	7
ECHINODERMATA		
Bipinnaria larvae	15	9
Holothuroidea pluteus	1	2
SIPUNCULIDA	10	5
PHORONIDAE - Actinotrocha larvae	10	8
BRACHIOPODA Larvae	30	6
BRACHIOPODA Adult	18	6
BRYOZOA	19	5
HEMICHORDATA -Tornaria larvae	38	10
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	761	78

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: April, 1994
Station: 0 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	1	
Hydromedusae	1	
CTENOPHORA		
Cydippida	12	2
Cestida	6	7
ROTOTARIA	76	42
GASTROTRICHIA	147	4
NEMATODA	1	3
Annelida		
Polychaeta trochophore		8
Polychaeta larvae		1
MOLLUSCA		
Gastropoda veliger	2	2
Pelecypoda veliger		6
ARTHROPODA		
CRUSTACEA -Nauplii	34	36
COPEPODA		
Calanoida		
Labidocera aestiva	2	
Cyclopoida		
Oithona nana	1	1
O. brevicornis	1	
INSECTA larvae		1
SIPUNCULIDA	62	
CHORDATA		
UROCHORDATA		
THALIACEA - Salpidae	2	
LARVACEA - Appendicularia	44	6

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: April, 1994
Station: 6 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora	2	5
Hydromedusae	9	106
CTENOPHORA		
Cydippida	27	28
ROTOTARIA	129	241
GASTROTRICHIA	87	189
PLATYHELMINTHES		
Turbellaria	3	6
NEMATODA		1
ANNELIDA ADULT	2	3
Polychaeta trochophore	323	160
Polychaeta larvae	24	31
MOLLUSCA		
Gastropoda trochophore	17	11
Gastropoda veliger	36	77
Gastropoda adult		3
Pelecypoda (Bivalvia) trochophore	2	13
Pelecypoda veliger	28	77
Pelecypoda adult	2	89
ARTHROPODA		
CRUSTACEA -Nauplii	343	837
COPEPODA		
Harpactacoida		
Clytemnestra sp.	1	
Calanoida		
Acartia tonsa	3	7
Paracalanus crassirostris	2	
P. parvus	26	16
Clausocalanus arcuicornis		1
Pseudodiaptomus coronatus	6	4
Cyclopoida		
Oithona brevicornis		2
CIRRIPEDIA - Nauplii	42	169
Cypris larvae	1	4
SIPUNCULIDA	28	16
PHORONIDAE - Actinotrocha larvae	2	9

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: April, 1994
Station: 6 ppt

Taxon	Oblique	Surface
BRACHIOPODA Larvae	1	8
BRACHIOPODA Adult		4
BRYOZOA	1	2
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	1	11
THALIACEA - Salpidae	7	5
LARVACEA - Appendicularia	113	175

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: April, 1994
Station: 12 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Siphonophora		4
Hydromedusae	191	639
Schyphomedusae	3	
CTENOPHORA		
Cydippida	8	11
Cestida	1	4
ROTOTARIA	28	11
GASTROTRICHIA	5	
PLATYHELMINTHES		
Turbellaria	2	5
Mueller's larvae		2
NEMATODA	2	13
NEMERTEA	1	
Pilidium larvae	4	8
ANNELIDA ADULT	8	5
Polychaeta trochophore	21	22
Polychaeta larvae	32	44
MOLLUSCA		
Gastropoda trochophore	7	16
Gastropoda veliger	23	12
Gastropoda adult	7	16
Pelecypoda veliger	38	46
Pelecypoda adult	36	104
ARTHROPODA		
CRUSTACEA -Nauplii	420	721
BRANCHIPODA-Cladocera	3	6
OSTRACODA		2
COPEPODA		
Harpactacoida		
Euterpina acutifrons	1	3
Clytemnestra sp.	1	3
Calanoida		
Acartia tonsa	8	9
Labidocera aestiva	12	18
Paracalanus crassirostris	2	5
P. parvus	37	20
Pseudodiaptomus coronatus	38	24

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: April, 1994
Station: 12 ppt

Taxon	Oblique	Surface
Cyclopoida		
Saphirella sp. 1	1	2
Saphirella tropica	1	3
Oithona nana		8
Oithona brevicornis	2	3
O. colocarva	7	6
Oncaea venusta	1	
CIRRIPEDIA - Nauplii	52	67
Cypris larvae	13	9
DECAPODA		
Brachyuran		2
ISOPODA		
SIPUNCULIDA	11	7
PHORONIDAE - Actinotrocha larvae	6	8
BRACHIOPODA Larvae	3	36
BRACHIOPODA Adult		3
BRYOZOA	1	4
HEMICHORDATA -Tornaria larvae	31	36
CHORDATA		
UROCHORDATA		
ASCIDIACEA - Tadpole larvae	29	105
THALIACEA - Salpidae		2
LARVACEA - Appendicularia	119	42

Appendix C.

Results of Monthly Zooplankton Collections, Not Adjusted for Filtration Volumes.
Collected: April, 1994
Station: 20 ppt

Taxon	Oblique	Surface
COELENTERATA (CNIDARIA)		
Hydrozoa		
Hydromedusae	858	135
Schyphomedusae	2	
CTENOPHORA		
Cydippida	10	
Cestida	16	1
PLATYHELMINTHES		
Turbellaria	6	2
ANNELIDA		
Polychaeta trochophore	34	16
Polychaeta larvae		1
MOLLUSCA		
Gastropoda trochophore	2	
Gastropoda veliger	4	
Gastropoda adult	16	3
Pelecypoda (Bivalvia) trochophore	2	12
Pelecypoda veliger	124	65
Pelecypoda adult	20	6
ARTHROPODA		
CRUSTACEA -Nauplii	158	280
BRANCHIPODA-Cladocera	6	3
OSTRACODA	1	
COPEPODA		
Harpactacoid	1	
Calanoida		
Acartia tonsa	6	19
Labidocera aestiva	4	
Paracalanus crassirostris	18	11
P. parvus		2
Pseudodiaptomus coronatus	2	7
Acrocalanus longicornis	4	
Gaetanus pileatus	4	
Cyclopoida		
Saphirella sp. 1	2	
Saphirella sp. 2	1	
Oithona nana	130	18
Oithona brevicornis	6	2
Oithona simplex	10	1
Corycaeus americanus	40	7
CIRRIPEDIA - Nauplii	26	
Cypris larvae	20	8

COPEPODA LIST

SP. 001	HARPACTACOIDA		Euterpina acutifrons
SP. 002	CALANOIDA	ARCARTIIDAE	Acartia tonsa
SP. 003	CYCLOPOIDA	CLAUSIDIIDAE	Saphirella sp.I
SP. 004	CYCLOPOIDA	CORYCACIDAE	Farranulla carinata
SP. 005	CALANOIDA	CENTROPOGIDAE	Centropages hamatus
SP. 006	CALANOIDA	PONTELLIDAE	Labidocera aestiva
SP. 007A	CYCLOPOIDA	OITHONIDAE	Oithona nana
SP. 007B	CYCLOPOIDA	OITHONIDAE	Oithona brevicornis
SP. 008	CALANOIDA	PARACALANIDAE	Paracalanus crassirostris
SP. 009	CALANOIDA	PSEUDOCALANIDAE	Clausocalanus arcuicornis
SP. 010	CYCLOPOIDA	CLAUSIDIIDAE	Saphirella tropica
SP. 011	CYCLOPOIDA	OITHONIDAE	Oithona simplex
SP. 012	CALANOIDA	PARACALANIDAE	Paracalanus parvus
SP. 013	CYCLOPOIDA	OITHONIDAE	Oithona colcarva
SP. 014	CYCLOPOIDA	CORYCAEIDAE	Corycaeus americanus
SP. 015	CALANOIDA	PSEUDODIAPTOMIDAE	Pseudodiaptomus coronatus
SP. 016	HARPACTACOID	CLYTEMNESTRIDAE	Clytemnestra sp.
SP. 017	CALANOIDA	PARACALANIDAE	Acrocalanus longicornis
SP. 018	CALANOIDA	TEMORIDAE	Temora turbinata
SP. 019	CYCLOPOIDA	ONCAEIDAE	Oncaea venusta
SP. 020	HARPACTACOID (AEGISTHIDAE)		Aegisthus sp.
SP. 021	SAPPHIRINIDAE		Sapphrina sp.
SP.022	SAPPHIRINIDAE		Copilia sp.
SP. 023	CLAUSIDIIDAE		Saphirella sp. II

SP. 024	LUCICUTIIDAE	Luicutia flavicornis
SP. 025	CANDACIIDAE	Candacia pachydactyla
SP. 026	CORYCAEIDAE	Corycaeus latus
SP. 027	AETIDEIDAE	Gaetanus pileatus
SP. 028	CYCLOPOIDA ONCAEIDAE	Oncea mediterranea.

HARPACTACOID

unidentified spp.

APPENDIX D

PHYTOPLANKTON TAXONOMY
SUMMARY RESULTS OF MONTHLY SAMPLING

MONTH JAN YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	6
Spermatozoopsis exultans	11
EUGLENOPHYTA	
Eutreptilla sp.	3
PYROPHYTA	
Cryptomonas erosa	3
Cryptomonas sp.1	85
unidentified flagellate #1	3
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	1
Gonyalux palustre	1
Peridinium cerasus	4
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	1
Navicula spp.	3
Nitzschia closterium	2
Nitzschia palea	2
Nitzschia tryblionella	1
Skeletonema costatum	18
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	356

NUMBER OF TAXA 16 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.9
EUGLENO+PYROPHYTA (FLAGALLATES)	15.9
DINOFLAGALLATES	1.0
BACILLARIOPHYCEAE (DIATOMS)	4.6
CYANOPHYTA (BLUE-GREEN ALGAE)	60.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.06	0.381	MARGALEV	2.41	
PIELOU BASE 10	0.46	0.381	SIMPSON	1.86	0.493
MACINTOSH	0.279	0.355	SHELDON		0.180
EXP. PIELOU	2.87		HEIP		0.125

MONTH JAN YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Chlamydomonas sphagnicola	1
Spermatozoopsis exultans	1
EUGLENOPHYTA	
Eutreptilla sp.	1
PYROPHYTA	
Cryptomonas erosa	4
Cryptomonas sp.1	70
unidentified flagellate #1	1
PYROPHYTA	
DINOPHYCEAE	
Gonyalux scrippsae	5
Gymnodinium splendens	4
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Nitzschia spp.	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	412

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.3
EUGLENO+PYROPHYTA (FLAGALLATES)	13.2
DINOFLAGALLATES	1.6
BACILLARIOPHYCEAE (DIATOMS)	0.2
CYANOPHYTA (BLUE-GREEN ALGAE)	71.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.62	0.269	MARGALEV	1.45	
PIELOU BASE 10	0.27	0.269	SIMPSON	1.43	0.335
MACINTOSH	0.172	0.240	SHELDON		0.186
EXP. PIELOU	1.86		HEIP		0.095

MONTH JAN YEAR 94 STATION 12 o/oo

PYROPHYTA	
Cryptomonas sp.1	13
unidentified flagellate #1	2
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	485

NUMBER OF TAXA 3 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	2.9
DINOFLAGALLATES	0.0
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	94.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.15	0.133	MARGALEV	0.32	
PIELOU BASE 10	0.06	0.133	SIMPSON	1.06	0.088
MACINTOSH	0.031	0.070	SHELDON		0.386
EXP. PIELOU	1.16		HEIP		0.079

MONTH JAN YEAR 94 STATION 20 o/oo

EUGLENOPHYTA	
Eutreptilla sp.	3
PYROPHYTA	
Cryptomonas sp.1	98
unidentified flagellate #1	5
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	5
Gymnodinium simplex	1
Peridinium cerasus	4
Prorocentrum micans	10
CHRYSOPHYTA	
Calycomonas ovalis	5
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Cyclotella sp.	3
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	366

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	17.6
DINOFLAGALLATES	3.3
BACILLARIOPHYCEAE (DIATOMS)	0.5
CYANOPHYTA (BLUE-GREEN ALGAE)	60.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.88	0.381	MARGALEV	1.45	
PIELOU BASE 10	0.38	0.381	SIMPSON	1.74	0.472
MACINTOSH	0.253	0.353	SHELDON		0.240
EXP. PIELOU	2.40		HEIP		0.156

MONTH FEB YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Scenedesmus quadricauda v. Westii	23
Spermatozoopsis exultans	11
Tetraedron sp.	2
EUGLENOPHYTA	
Eutreptilla sp.	4
PYROPHYTA	
Cryptomonas curvata	3
Cryptomonas erosa	8
Cryptomonas sp.1	90
PYROPHYTA	
DINOPHYCEAE	
Gonyalux scrippsae	5
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Entomoneis alata	1
Gyrosigma/Pleurosigma sp.1	3
Navicula spp.	7
Nitzschia palea	3
Nitzschia tryblionella	1
Skeletonema costatum	26
Thalassionema nitzschioides Grun.	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	252
Oscillatoria rubescens (trichome)	60

NUMBER OF TAXA 17 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	6.0
EUGLENO+PYROPHYTA (FLAGALLATES)	17.5
DINOFLAGALLATES	0.8
BACILLARIOPHYCEAE (DIATOMS)	7.0
CYANOPHYTA (BLUE-GREEN ALGAE)	51.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.65	0.582	MARGALEV	2.57	
PIELOU BASE 10	0.72	0.582	SIMPSON	3.26	0.736
MACINTOSH	0.467	0.589	SHELDON		0.306
EXP. PIELOU	5.21		HEIP		0.263

MONTH FEB YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Spermatozoopsis exultans	1
PYROPHYTA	
Cryptomonas erosa	10
Cryptomonas sp.1	54
unidentified flagellate #1	1
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium simplex	1
Gymnodinium splendens	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	2
Navicula spp.	2
Nitzschia closterium	1
Nitzschia palea	1
Skeletonema costatum	2
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	424

NUMBER OF TAXA 12 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.2
EUGLENO+PYROPHYTA (FLAGALLATES)	11.5
DINOFLAGALLATES	0.4
BACILLARIOPHYCEAE (DIATOMS)	1.4
CYANOPHYTA (BLUE-GREEN ALGAE)	75.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.60	0.241	MARGALEV	1.77	
PIELOU BASE 10	0.26	0.241	SIMPSON	1.37	0.293
MACINTOSH	0.152	0.204	SHELDON		0.152
EXP. PIELOU	1.82		HEIP		0.075

MONTH FEB YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	8
Spermatozoopsis exultans	5
EUGLENOPHYTA	
Eutreptilla sp.	1
PYROPHYTA	
Cryptomonas sp.1	63
unidentified flagellate #1	3
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	2
Gymnodinium simplex	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	1
Navicula spp.	1
Nitzschia palea	4
Nitzschia tryblionella	1
Nitzschia spp.	10
Skeletonema costatum	15
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	384

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.3
EUGLENO+PYROPHYTA (FLAGALLATES)	11.8
DINOFLAGALLATES	0.7
BACILLARIOPHYCEAE (DIATOMS)	5.7
CYANOPHYTA (BLUE-GREEN ALGAE)	67.8

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.92	0.350	MARGALEV	2.09	
PIELOU BASE 10	0.40	0.350	SIMPSON	1.65	0.423
MACINTOSH	0.231	0.301	SHELDON		0.180
EXP. PIELOU	2.52		HEIP		0.117

MONTH FEB YEAR 94 STATION 20 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	10
PYROPHYTA	
Cryptomonas sp.1	74
unidentified flagellate #1	2
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium simplex	2
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	412

NUMBER OF TAXA 5 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.7
EUGLENO+PYROPHYTA (FLAGALLATES)	13.2
DINOFLAGALLATES	0.3
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	71.5

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.56	0.351	MARGALEV	0.64	
PIELOU BASE 10	0.25	0.351	SIMPSON	1.43	0.373
MACINTOSH	0.170	0.294	SHELDON		0.352
EXP. PIELOU	1.76		HEIP		0.190

MONTH MAR YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	3
Scenedesmus quadricauda v. Westii	25
Spermatozoopsis exultans	4
EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas curvata	7
Cryptomonas erosa	81
Cryptomonas sp.1	108
unidentified flagellate #1	4
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	1
Gonyalux palustre	23
Gymnodinium simplex	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Chaetocerus subtile	3
Cyclotella undulata	5
Entomoneis alata	1
Gyrosigma/Pleurosigma sp.1	1
Navicula spp.	2
Nitzschia reversa	1
Nitzschia spp.	1
Rhizosolenia stolterfothii	4
Synedra ulna	3
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	216

NUMBER OF TAXA 21 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	4.6
EUGLENO+PYROPHYTA (FLAGALLATES)	29.3
DINOFLAGALLATES	3.7
BACILLARIOPHYCEAE (DIATOMS)	3.0
CYANOPHYTA (BLUE-GREEN ALGAE)	30.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.75	0.574	MARGALEV	3.22	
PIELOU BASE 10	0.76	0.574	SIMPSON	3.78	0.772
MACINTOSH	0.508	0.621	SHELDON		0.273
EXP. PIELOU	5.73		HEIP		0.237

MONTH MAR YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	5
Scenedesmus quadricauda v. Westii	4
Spermatozoopsis exultans	4
EUGLENOPHYTA	
Eutreptilla sp.	1
PYROPHYTA	
Cryptomonas erosa	14
Cryptomonas sp.1	86
unidentified flagellate #1	1
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	9
Gonyalux scrippsae	13
Gymnodinium splendens	26
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Gyrosigma/Pleurosigma sp.1	1
Navicula spp.	4
Nitzschia palea	2
Nitzschia reversa	6
Nitzschia spp.	4
Rhizosolenia styliformis	3
Skeletonema costatum	5
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	282
Coelosphaerium sp.	30

NUMBER OF TAXA 19 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.2
EUGLENO+PYROPHYTA (FLAGALLATES)	17.0
DINOFLAGALLATES	8.0
BACILLARIOPHYCEAE (DIATOMS)	4.2
CYANOPHYTA (BLUE-GREEN ALGAE)	51.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.61	0.545	MARGALEV	2.90	
PIELOU BASE 10	0.70	0.545	SIMPSON	2.81	0.679
MACINTOSH	0.422	0.523	SHELDON		0.262
EXP. PIELOU	4.98		HEIP		0.221

MONTH MAR YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	9
Spermatozoopsis exultans	37
EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas sp.1	24
unidentified flagellate #1	1
PYROPHYTA	
DINOPHYCEAE	
Gonyalux scrippsae	37
Gymnodinium simplex	2
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	385

NUMBER OF TAXA 8 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	8.8
EUGLENO+PYROPHYTA (FLAGALLATES)	5.7
DINOFLAGALLATES	7.4
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	73.3

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.89	0.426	MARGALEV	1.13	
PIELOU BASE 10	0.38	0.426	SIMPSON	1.65	0.450
MACINTOSH	0.232	0.342	SHELDON		0.303
EXP. PIELOU	2.42		HEIP		0.203

MONTH MAR YEAR 94 STATION 20 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	12
Spermatozoopsis exultans	39
EUGLENOPHYTA	
Eutreptilla sp.	2
PYROPHYTA	
Cryptomonas sp.1	145
unidentified flagellate #1	10
PYROPHYTA	
DINOPHYCEAE	
Gonyalux scrippsae	2
Gymnodinium simplex	10
Gymnodinium splendens	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Rhizosolenia styliformis	4
Skeletonema costatum	43
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	231

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	7.8
EUGLENO+PYROPHYTA (FLAGALLATES)	24.0
DINOFLAGALLATES	2.1
BACILLARIOPHYCEAE (DIATOMS)	7.2
CYANOPHYTA (BLUE-GREEN ALGAE)	35.3

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.48	0.616	MARGALEV	1.61	
PIELOU BASE 10	0.64	0.616	SIMPSON	3.20	0.756
MACINTOSH	0.462	0.631	SHELDON		0.398
EXP. PIELOU	4.38		HEIP		0.338

MONTH APR YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	8
Spermatozoopsis exultans	30
EUGLENOPHYTA	
Eutreptilla sp.	1
PYROPHYTA	
Cryptomonas curvata	2
Cryptomonas erosa	11
Cryptomonas sp.1	23
unidentified flagellate #1	1
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	3
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	5
Rhizosolenia styliformis	3
Skeletonema costatum	12
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	401

NUMBER OF TAXA 12 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	7.1
EUGLENO+PYROPHYTA (FLAGALLATES)	7.1
DINOFLAGALLATES	0.6
BACILLARIOPHYCEAE (DIATOMS)	3.7
CYANOPHYTA (BLUE-GREEN ALGAE)	74.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.88	0.355	MARGALEV	1.77	
PIELOU BASE 10	0.38	0.355	SIMPSON	1.54	0.381
MACINTOSH	0.203	0.272	SHELDON		0.201
EXP. PIELOU	2.41		HEIP		0.129

MONTH 4 YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	6
Chlamydomonas sphagnicola	1
Spermatozoopsis exultans	23
EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas erosa	55
Cryptomonas sp.1	157
unidentified flagellate #1	1
unidentified flagellate #2	1
PYROPHYTA	
DINOPHYCEAE	
Dinophysus caudata	1
Gonyalux palustre	7
Gonyalux scrippsae	4
Gymnodinium simplex	29
Gymnodinium splendens	6
Prorocentrum micans	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	4
Navicula spp.	1
Nitzschia palea	1
Nitzschia spp.	5
Rhizosolenia stolterfothii	36
Rhizosolenia styliformis	46
Skeletonema costatum	42
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	68

NUMBER OF TAXA 22 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	4.2
EUGLENO+PYROPHYTA (FLAGALLATES)	30.7
DINOFLAGALLATES	6.7
BACILLARIOPHYCEAE (DIATOMS)	18.9
CYANOPHYTA (BLUE-GREEN ALGAE)	9.5

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	2.22	0.719	MARGALEV	3.38	
PIELOU BASE 10	0.97	0.719	SIMPSON	6.40	0.884
MACINTOSH	0.633	0.769	SHELDON		0.420
EXP. PIELOU	9.24		HEIP		0.393

MONTH APR YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Spermatozoopsis exultans	4
PYROPHYTA	
Cryptomonas erosa	2
Cryptomonas sp.1	18
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	1
Certaium hircus	2
Dinophysus caudata	1
Gonyalux scrippsae	10
Gymnodinium simplex	5
Gymnodinium splendens	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	6
Entomoneis alata	1
Navicula spp.	1
Nitzschia palea	3
Nitzschia reversa	3
Nitzschia spp.	2
Rhizosolenia stolterfothii	262
Skeletonema costatum	161
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	17

NUMBER OF TAXA 18 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.8
EUGLENO+PYROPHYTA (FLAGALLATES)	3.8
DINOFLAGALLATES	3.8
BACILLARIOPHYCEAE (DIATOMS)	84.4
CYANOPHYTA (BLUE-GREEN ALGAE)	3.3

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.34	0.465	MARGALEV	2.74	
PIELOU BASE 10	0.58	0.465	SIMPSON	2.62	0.655
MACINTOSH	0.400	0.500	SHELDON		0.213
EXP. PIELOU	3.83		HEIP		0.167

MONTH APR YEAR 94 STATION 20 o/oo

CHLOROPHYTA	
Spermatozoopsis exultans	4
PYROPHYTA	
Cryptomonas sp.1	2
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	8
Gonyalux palustre	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	9
Nitzschia reversa	1
Nitzschia spp.	5
Rhizosolenia stolterfothii	193
Rhizosolenia styliformis	29
Skeletonema costatum	178
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	70

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.8
EUGLENO+PYROPHYTA (FLAGALLATES)	0.4
DINOFLAGALLATES	1.8
BACILLARIOPHYCEAE (DIATOMS)	82.7
CYANOPHYTA (BLUE-GREEN ALGAE)	13.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.45	0.603	MARGALEV	1.61	
PIELOU BASE 10	0.63	0.603	SIMPSON	3.34	0.771
MACINTOSH	0.474	0.648	SHELDON		0.386
EXP. PIELOU	4.24		HEIP		0.324

MONTH MAR YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	24
Spermatozoopsis exultans	51
EUGLENOPHYTA	
Eutreptilla sp.	4
PYROPHYTA	
Cryptomonas erosa	116
Cryptomonas sp.1	103
unidentified flagellate #1	11
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	20
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	171

NUMBER OF TAXA 8 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	10.3
EUGLENO+PYROPHYTA (FLAGALLATES)	32.1
DINOFLAGALLATES	2.7
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	23.4

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.66	0.799	MARGALEV	1.13	
PIELOU BASE 10	0.72	0.799	SIMPSON	4.38	0.882
MACINTOSH	0.547	0.808	SHELDON		0.658
EXP. PIELOU	5.27		HEIP		0.609

MONTH MAR YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	2
Chlamydomonas sphagnicola	1
Spermatozoopsis exultans	9
EUGLENOPHYTA	
Eutreptilla sp.	3
PYROPHYTA	
Cryptomonas erosa	1
Cryptomonas sp.1	8
unidentified flagellate #1	2
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	260
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	214

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.3
EUGLENO+PYROPHYTA (FLAGALLATES)	2.7
DINOFLAGALLATES	50.9
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	41.9

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.94	0.428	MARGALEV	1.29	
PIELOU BASE 10	0.41	0.428	SIMPSON	2.20	0.614
MACINTOSH	0.341	0.489	SHELDON		0.285
EXP. PIELOU	2.56		HEIP		0.195

MONTH MAR YEAR 94 STATION 12 o/oo

PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	478
Gymnodinium simplex	11
Gymnodinium splendens	2
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	9

NUMBER OF TAXA 4 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	0.0
DINOFLAGALLATES	98.2
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	1.8

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.22	0.160	MARGALEV	0.48	
PIELOU BASE 10	0.10	0.160	SIMPSON	1.09	0.114
MACINTOSH	0.046	0.087	SHELDON		0.312
EXP. PIELOU	1.25		HEIP		0.083

MONTH MAR YEAR 94 STATION 20 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	2
Spermatozoopsis exultans	2
PYROPHYTA	
Cryptomonas sp.1	34
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	15
Gymnodinium simplex	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Asterionella gracilus	52
Biddulphia sinensis	2
Chaetocerus dicipens	42
Navicula spp.	3
Nitzschia palea	3
Nitzschia reversa	1
Nitzschia spp.	2
Rhozosolenia setigera	14
Skeletonema costatum	15
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	311

NUMBER OF TAXA 15 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.7
EUGLENO+PYROPHYTA (FLAGALLATES)	6.4
DINOFLAGALLATES	3.2
BACILLARIOPHYCEAE (DIATOMS)	25.1
CYANOPHYTA (BLUE-GREEN ALGAE)	58.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.42	0.523	MARGALEV	2.25	
PIELOU BASE 10	0.62	0.523	SIMPSON	2.43	0.630
MACINTOSH	0.375	0.483	SHELDON		0.275
EXP. PIELOU	4.12		HEIP		0.223

MONTH JUN YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Scenedesmus quadricauda v. Westii	14
Spermatozoopsis exultans	238
EUGLENOPHYTA	
Eutreptilla sp.	4
PYROPHYTA	
Cryptomonas erosa	28
Cryptomonas sp.1	28
unidentified flagellate #1	2
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	2
Gymnodinium simplex	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Nitzschia tryblionella	1
Skeletonema costatum	5
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	177

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	45.2
EUGLENO+PYROPHYTA (FLAGALLATES)	11.1
DINOFLAGALLATES	0.5
BACILLARIOPHYCEAE (DIATOMS)	1.1
CYANOPHYTA (BLUE-GREEN ALGAE)	31.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.30	0.541	MARGALEV	1.61	
PIELOU BASE 10	0.56	0.541	SIMPSON	2.78	0.705
MACINTOSH	0.419	0.574	SHELDON		0.333
EXP. PIELOU	3.66		HEIP		0.266

MONTH JUN YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	8
Chlamydomonas sphagnicola	1
Spermatozoopsis exultans	7
EUGLENOPHYTA	
Eutreptilla sp.	7
PYROPHYTA	
Cryptomonas erosa	26
Cryptomonas sp.1	16
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	143
Gymnodinium simplex	3
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Chaetocerus subtile	1
Skeletonema costatum	11
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	277

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	3.0
EUGLENO+PYROPHYTA (FLAGALLATES)	9.0
DINOFLAGALLATES	26.9
BACILLARIOPHYCEAE (DIATOMS)	2.2
CYANOPHYTA (BLUE-GREEN ALGAE)	51.1

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.27	0.531	MARGALEV	1.61	
PIELOU BASE 10	0.55	0.531	SIMPSON	2.54	0.667
MACINTOSH	0.390	0.533	SHELDON		0.325
EXP. PIELOU	3.58		HEIP		0.258

MONTH JUN YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	26
Spermatozoopsis exultans	11
EUGLENOPHYTA	
Eutreptilla sp.	9
PYROPHYTA	
Cryptomonas curvata	1
Cryptomonas erosa	17
Cryptomonas sp.1	90
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	2
Gonyalux palustre	55
Gymnodinium simplex	2
Gymnodinium splendens	28
Prorocentrum micans	4
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	1
Ceratulina pelagica	3
Chaetocerus subtile	10
Gyrosigma/Pleurosigma sp.1	1
Navicula spp.	1
Nitzschia spp.	2
Skeletonema costatum	5
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	232

NUMBER OF TAXA 19 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	6.1
EUGLENO+PYROPHYTA (FLAGALLATES)	19.2
DINOFLAGALLATES	15.0
BACILLARIOPHYCEAE (DIATOMS)	3.8
CYANOPHYTA (BLUE-GREEN ALGAE)	38.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.80	0.613	MARGALEV	2.90	
PIELOU BASE 10	0.78	0.613	SIMPSON	3.73	0.772
MACINTOSH	0.505	0.626	SHELDON		0.320
EXP. PIELOU	6.07		HEIP		0.282

MONTH JUN YEAR 94 STATION 20 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	84
PYROPHYTA	
Cryptomonas sp.1	64
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	3
Prorocentrum micans	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Entomoneis alata	1
Nitzschia pungens v. atlantica	24
Nitzschia spp.	25
Skeletonema costatum	55
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	243

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	14.9
EUGLENO+PYROPHYTA (FLAGALLATES)	11.3
DINOFLAGALLATES	0.7
BACILLARIOPHYCEAE (DIATOMS)	18.6
CYANOPHYTA (BLUE-GREEN ALGAE)	43.1

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.51	0.686	MARGALEV	1.29	
PIELOU BASE 10	0.65	0.686	SIMPSON	3.36	0.790
MACINTOSH	0.476	0.682	SHELDON		0.502
EXP. PIELOU	4.51		HEIP		0.439

MONTH JUL YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	18
Scenedesmus bijuga v. alternans	4
Scenedesmus quadricauda v. Westii	6
Spermatozoopsis exultans	12
EUGLENOPHYTA	
Phacus pleuronectes	1
PYROPHYTA	
Cryptomonas erosa	6
Cryptomonas ovata	11
Cryptomonas sp.1	49
unidentified flagellate #1	1
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	5
Gymnodinium simplex	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Navicula spp.	2
Nitzschia palea	4
Synedra ulna	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	379

NUMBER OF TAXA 15 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	7.1
EUGLENO+PYROPHYTA (FLAGALLATES)	12.0
DINOFLAGALLATES	1.1
BACILLARIOPHYCEAE (DIATOMS)	1.2
CYANOPHYTA (BLUE-GREEN ALGAE)	66.8

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.03	0.381	MARGALEV	2.25	
PIELOU BASE 10	0.45	0.381	SIMPSON	1.70	0.442
MACINTOSH	0.245	0.315	SHELDON		0.187
EXP. PIELOU	2.81		HEIP		0.129

MONTH JUL YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	12
Scenedesmus quadricauda v. Westii	4
Spermatozoopsis exultans	6
EUGLENOPHYTA	
Eutreptilla sp.	3
PYROPHYTA	
Cryptomonas erosa	1
Cryptomonas ovata	1
Cryptomonas sp.1	39
PYROPHYTA	
DINOPHYCEAE	
Amphidinium crassum	2
Gonyalux palustre	3
Gymnodinium simplex	4
Gymnodinium splendens	38
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Chaetocerus subtile	2
Skeletonema costatum	14
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	371

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	4.1
EUGLENO+PYROPHYTA (FLAGALLATES)	8.1
DINOFLAGALLATES	8.7
BACILLARIOPHYCEAE (DIATOMS)	3.0
CYANOPHYTA (BLUE-GREEN ALGAE)	68.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.07	0.404	MARGALEV	2.09	
PIELOU BASE 10	0.46	0.404	SIMPSON	1.77	0.469
MACINTOSH	0.261	0.340	SHELDON		0.208
EXP. PIELOU	2.91		HEIP		0.147

MONTH JUL YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	1
Chlamydomonas sphagnicola	5
Spermatozoopsis exultans	2
EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas erosa	1
Cryptomonas ovata	1
Cryptomonas sp.1	115
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	1
Gonyalux palustre	88
Gymnodinium simplex	55
Gymnodinium splendens	47
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	24
Skeletonema costatum	17
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	138

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.3
EUGLENO+PYROPHYTA (FLAGALLATES)	19.8
DINOFLAGALLATES	31.0
BACILLARIOPHYCEAE (DIATOMS)	6.6
CYANOPHYTA (BLUE-GREEN ALGAE)	22.4

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.89	0.716	MARGALEV	2.09	
PIELOU BASE 10	0.82	0.716	SIMPSON	5.41	0.878
MACINTOSH	0.597	0.778	SHELDON		0.472
EXP. PIELOU	6.61		HEIP		0.432

MONTH JUL YEAR 94 STATION 20 o/oo

EUGLENOPHYTA	
Eutreptilla sp.	3
PYROPHYTA	
Cryptomonas sp.1	50
unidentified flagellate #1	1
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	7
Gymnodinium simplex	3
Gymnodinium splendens	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	96
Biddulphia sinensis	1
Chaetocerus dicipens	8
Chaetocerus subtile	13
Nitzschia pungens v. atlantica	9
Rhozosolenia setigera	1
Skeletonema costatum	74
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	233

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	9.8
DINOFLAGALLATES	2.0
BACILLARIOPHYCEAE (DIATOMS)	36.7
CYANOPHYTA (BLUE-GREEN ALGAE)	42.3

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.59	0.602	MARGALEV	2.09	
PIELOU BASE 10	0.69	0.602	SIMPSON	3.48	0.767
MACINTOSH	0.486	0.633	SHELDON		0.350
EXP. PIELOU	4.90		HEIP		0.300

MONTH AUG YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	21
Spermatozoopsis exultans	7
EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas erosa	5
Cryptomonas sp.1	40
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	37
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Paralia (Melosira) sulcata	6
Skeletonema costatum	21
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	346
Merismopedia glauca	12

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	5.1
EUGLENO+PYROPHYTA (FLAGALLATES)	9.2
DINOFLAGALLATES	6.8
BACILLARIOPHYCEAE (DIATOMS)	5.0
CYANOPHYTA (BLUE-GREEN ALGAE)	65.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.21	0.526	MARGALEV	1.45	
PIELOU BASE 10	0.53	0.526	SIMPSON	2.02	0.561
MACINTOSH	0.310	0.433	SHELDON		0.335
EXP. PIELOU	3.35		HEIP		0.262

MONTH AUG YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	9
Spermatozoopsis exultans	7
PYROPHYTA	
Cryptomonas ovata	5
Cryptomonas sp.1	147
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	22
Gonyalux palustre	1
Peridinium cerasus	49
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	8
Biddulphia sinensis	1
Nitzschia palea	1
Skeletonema costatum	17
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	233

NUMBER OF TAXA 12 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.5
EUGLENO+PYROPHYTA (FLAGALLATES)	23.3
DINOFLAGALLATES	11.0
BACILLARIOPHYCEAE (DIATOMS)	4.1
CYANOPHYTA (BLUE-GREEN ALGAE)	35.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.48	0.595	MARGALEV	1.77	
PIELOU BASE 10	0.64	0.595	SIMPSON	3.15	0.745
MACINTOSH	0.457	0.614	SHELDON		0.365
EXP. PIELOU	4.38		HEIP		0.307

MONTH AUG YEAR 94 STATION 12 o/oo

PYROPHYTA	
DINOPHYCEAE	
Ceratium fusus	3
Certaium hircus	65
Dinophysus caudata	1
Peridinium cerasus	393
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	37

NUMBER OF TAXA 6 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	0.0
DINOFLAGALLATES	92.4
BACILLARIOPHYCEAE (DIATOMS)	0.2
CYANOPHYTA (BLUE-GREEN ALGAE)	7.4

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.70	0.392	MARGALEV	0.80	
PIELOU BASE 10	0.31	0.392	SIMPSON	1.56	0.432
MACINTOSH	0.209	0.338	SHELDON		0.337
EXP. PIELOU	2.02		HEIP		0.204

MONTH AUG YEAR 94 STATION 20 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	1
PYROPHYTA	
Cryptomonas ovata	2
Cryptomonas sp.1	43
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium simplex	7
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	20
Navicula spp.	2
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	425

NUMBER OF TAXA 7 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.2
EUGLENO+PYROPHYTA (FLAGALLATES)	8.3
DINOFLAGALLATES	1.3
BACILLARIOPHYCEAE (DIATOMS)	4.0
CYANOPHYTA (BLUE-GREEN ALGAE)	78.0

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.59	0.305	MARGALEV	0.97	
PIELOU BASE 10	0.26	0.305	SIMPSON	1.37	0.313
MACINTOSH	0.151	0.232	SHELDON		0.259
EXP. PIELOU	1.81		HEIP		0.135

MONTH SEP YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Scenedesmus quadricauda v. Westii	10
Spermatozoopsis exultans	5
PYROPHYTA	
Cryptomonas erosa	6
Cryptomonas ovata	8
Cryptomonas sp.1	31
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	20
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	5
Navicula spp.	4
Nitzschia palea	1
Skeletonema costatum	243
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	167

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.8
EUGLENO+PYROPHYTA (FLAGALLATES)	8.3
DINOFLAGALLATES	3.7
BACILLARIOPHYCEAE (DIATOMS)	46.4
CYANOPHYTA (BLUE-GREEN ALGAE)	30.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.36	0.567	MARGALEV	1.61	
PIELOU BASE 10	0.59	0.567	SIMPSON	2.82	0.710
MACINTOSH	0.424	0.580	SHELDON		0.354
EXP. PIELOU	3.89		HEIP		0.289

MONTH SEP YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Scenedesmus quadricauda v. Westii	8
Spermatozoopsis exultans	6
EUGLENOPHYTA	
Eutreptilla sp.	4
PYROPHYTA	
Cryptomonas erosa	6
Cryptomonas ovata	34
Cryptomonas sp.1	142
unidentified flagellate #1	1
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	1
Gonyalux palustre	5
Gymnodinium simplex	21
Gymnodinium splendens	2
Peridinium cerasus	3
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Chaetocerus subtile	27
Nitzschia spp.	1
Skeletonema costatum	23
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	216

NUMBER OF TAXA 16 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.0
EUGLENO+PYROPHYTA (FLAGALLATES)	27.4
DINOFLAGALLATES	4.7
BACILLARIOPHYCEAE (DIATOMS)	7.5
CYANOPHYTA (BLUE-GREEN ALGAE)	31.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.68	0.607	MARGALEV	2.41	
PIELOU BASE 10	0.73	0.607	SIMPSON	3.58	0.769
MACINTOSH	0.493	0.628	SHELDON		0.336
EXP. PIELOU	5.38		HEIP		0.292

MONTH SEP YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	16
Scenedesmus quadricauda v. Westii	2
EUGLENOPHYTA	
Eutreptilla sp.	16
PYROPHYTA	
Cryptomonas erosa	13
Cryptomonas sp.1	44
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	10
Gymnodinium simplex	5
Gymnodinium splendens	1
Peridinium cerasus	17
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Skeletonema costatum	11
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	361

NUMBER OF TAXA 12 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	3.3
EUGLENO+PYROPHYTA (FLAGALLATES)	13.2
DINOFLAGALLATES	6.0
BACILLARIOPHYCEAE (DIATOMS)	2.0
CYANOPHYTA (BLUE-GREEN ALGAE)	65.3

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.16	0.467	MARGALEV	1.77	
PIELOU BASE 10	0.50	0.467	SIMPSON	1.87	0.508
MACINTOSH	0.282	0.379	SHELDON		0.266
EXP. PIELOU	3.19		HEIP		0.199

MONTH SEP YEAR 94 STATION 20 o/oo

PYROPHYTA	
Cryptomonas sp.1	5
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	5
Gymnodinium simplex	1
Peridinium cerasus	35
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	1
Chaetocerus dicipens	1
Chaetocerus subtile	1
Rhozosolenia setigera	2
Skeletonema costatum	429
Thalassionema nitzschioides Grun.	2
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	18

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	1.0
DINOFLAGALLATES	8.1
BACILLARIOPHYCEAE (DIATOMS)	86.3
CYANOPHYTA (BLUE-GREEN ALGAE)	3.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.62	0.260	MARGALEV	1.61	
PIELOU BASE 10	0.27	0.260	SIMPSON	1.35	0.283
MACINTOSH	0.145	0.198	SHELDON		0.170
EXP. PIELOU	1.86		HEIP		0.086

MONTH OCT YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Scenedesmus quadricauda v. Westii	6
Spermatozoopsis exultans	5
EUGLENOPHYTA	
Eutreptilla sp.	43
PYROPHYTA	
Cryptomonas ovata	28
Cryptomonas sp.1	40
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium simplex	1
Peridinium cerasus	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	1
Entomoneis alata	1
Navicula spp.	1
Skeletonema costatum	16
Stephanodiscus	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	329
Merismopedia sp.	26

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.9
EUGLENO+PYROPHYTA (FLAGALLATES)	19.5
DINOFLAGALLATES	0.5
BACILLARIOPHYCEAE (DIATOMS)	3.5
CYANOPHYTA (BLUE-GREEN ALGAE)	62.5

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.30	0.492	MARGALEV	2.09	
PIELOU BASE 10	0.56	0.492	SIMPSON	2.20	0.588
MACINTOSH	0.342	0.445	SHELDON		0.261
EXP. PIELOU	3.66		HEIP		0.205

MONTH OCT YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	2
Scenedesmus quadricauda v. Westii	4
Spermatozoopsis exultans	2
EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas ovata	8
Cryptomonas sp.1	20
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	1
Gymnodinium splendens	2
Peridinium cerasus	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	1
Biddulphia sinensis	1
Skeletonema costatum	113
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	331
Merismopedia sp.	8

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.5
EUGLENO+PYROPHYTA (FLAGALLATES)	6.2
DINOFLAGALLATES	0.9
BACILLARIOPHYCEAE (DIATOMS)	21.8
CYANOPHYTA (BLUE-GREEN ALGAE)	64.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.08	0.409	MARGALEV	2.09	
PIELOU BASE 10	0.47	0.409	SIMPSON	2.03	0.547
MACINTOSH	0.313	0.408	SHELDON		0.210
EXP. PIELOU	2.95		HEIP		0.150

MONTH OCT YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Spermatozoopsis exultans	1
EUGLENOPHYTA	
Eutreptilla sp.	5
PYROPHYTA	
Cryptomonas sp.1	9
unidentified flagellate #1	1
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	129
Gymnodinium simplex	1
Gymnodinium splendens	6
Peridinium cerasus	33
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	3
Biddulphia sinensis	2
Biddulphia rhombus	1
Coscinodiscus eccentris	16
Navicula spp.	2
Rhozosolenia setigera	139
Skeletonema costatum	44
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	108

NUMBER OF TAXA 16 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.2
EUGLENO+PYROPHYTA (FLAGALLATES)	2.9
DINOFLAGALLATES	33.1
BACILLARIOPHYCEAE (DIATOMS)	40.6
CYANOPHYTA (BLUE-GREEN ALGAE)	21.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.84	0.662	MARGALEV	2.41	
PIELOU BASE 10	0.80	0.662	SIMPSON	4.90	0.849
MACINTOSH	0.574	0.731	SHELDON		0.392
EXP. PIELOU	6.27		HEIP		0.351

MONTH OCT YEAR 94 STATION 20 o/oo

EUGLENOPHYTA	
Eutreptilla sp.	6
PYROPHYTA	
Cryptomonas sp.1	31
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	24
Gymnodinium simplex	1
Peridinium cerasus	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	11
Amphora sp.1	1
Coscinodiscus eccentris	15
Melosira granulata	6
Navicula spp.	2
Nitzschia spp.	2
Rhozosolenia setigera	78
Skeletonema costatum	148
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	174

NUMBER OF TAXA 14 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.0
EUGLENO+PYROPHYTA (FLAGALLATES)	7.0
DINOFLAGALLATES	4.9
BACILLARIOPHYCEAE (DIATOMS)	49.5
CYANOPHYTA (BLUE-GREEN ALGAE)	32.8

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.71	0.649	MARGALEV	2.09	
PIELOU BASE 10	0.74	0.649	SIMPSON	4.15	0.817
MACINTOSH	0.533	0.695	SHELDON		0.396
EXP. PIELOU	5.54		HEIP		0.349

MONTH NOV YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	6
Scenedesmus quadricauda v. Westii	6
Spermatozoopsis exultans	17
EUGLENOPHYTA	
Eutreptilla sp.	26
PYROPHYTA	
Cryptomonas erosa	4
Cryptomonas ovata	29
Cryptomonas sp.1	98
unidentified flagellate #1	5
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	11
Peridinium cerasus	2
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	3
Coscinodiscus eccentris	7
Chaetocerus subtile	30
Navicula spp.	9
Skeletonema costatum	94
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	152
Oscillatoria rubescens (trichome)	1

NUMBER OF TAXA 17 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	4.6
EUGLENO+PYROPHYTA (FLAGALLATES)	25.5
DINOFLAGALLATES	2.0
BACILLARIOPHYCEAE (DIATOMS)	22.5
CYANOPHYTA (BLUE-GREEN ALGAE)	24.1

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	2.07	0.731	MARGALEV	2.57	
PIELOU BASE 10	0.90	0.731	SIMPSON	5.60	0.873
MACINTOSH	0.605	0.762	SHELDON		0.466
EXP. PIELOU	7.93		HEIP		0.433

MONTH NOV YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Crucigenia fenestrata	6
Scenedesmus quadricauda v. Westii	2
EUGLENOPHYTA	
Eutreptilla sp.	3
PYROPHYTA	
Cryptomonas ovata	59
Cryptomonas sp.1	66
PYROPHYTA	
DINOPHYCEAE	
Peridinium cerasus	123
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	4
Skeletonema costatum	224
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	13

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.3
EUGLENO+PYROPHYTA (FLAGALLATES)	20.5
DINOFLAGALLATES	19.7
BACILLARIOPHYCEAE (DIATOMS)	36.5
CYANOPHYTA (BLUE-GREEN ALGAE)	2.1

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.46	0.666	MARGALEV	1.29	
PIELOU BASE 10	0.64	0.666	SIMPSON	3.41	0.795
MACINTOSH	0.480	0.687	SHELDON		0.480
EXP. PIELOU	4.32		HEIP		0.415

MONTH NOV YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Spermatozoopsis exultans	1
PYROPHYTA	
Cryptomonas ovata	3
Cryptomonas sp.1	9
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	24
Peridinium cerasus	198
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	6
Skeletonema costatum	246
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	13

NUMBER OF TAXA 8 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.2
EUGLENO+PYROPHYTA (FLAGALLATES)	2.3
DINOFLAGALLATES	43.4
BACILLARIOPHYCEAE (DIATOMS)	49.2
CYANOPHYTA (BLUE-GREEN ALGAE)	2.5

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.12	0.541	MARGALEV	1.13	
PIELOU BASE 10	0.49	0.541	SIMPSON	2.49	0.683
MACINTOSH	0.383	0.566	SHELDON		0.385
EXP. PIELOU	3.09		[illegible]		0.297

MONTH NOV YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Crucigenia fenestrata	6
Scenedesmus quadricauda v. Westii	2
EUGLENOPHYTA	
Eutreptilla sp.	3
PYROPHYTA	
Cryptomonas ovata	59
Cryptomonas sp.1	66
PYROPHYTA	
DINOPHYCEAE	
Peridinium cerasus	123
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	4
Skeletonema costatum	224
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	13

NUMBER OF TAXA 9 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.3
EUGLENO+PYROPHYTA (FLAGALLATES)	20.5
DINOFLAGALLATES	19.7
BACILLARIOPHYCEAE (DIATOMS)	36.5
CYANOPHYTA (BLUE-GREEN ALGAE)	2.1

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.46	0.666	MARGALEV	1.29	
PIELOU BASE 10	0.64	0.666	SIMPSON	3.41	0.795
MACINTOSH	0.480	0.687	SHELDON		0.480
EXP. PIELOU	4.32		HEIP		0.415

MONTH NOV YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Spermatozoopsis exultans	1
PYROPHYTA	
Cryptomonas ovata	3
Cryptomonas sp.1	9
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	24
Peridinium cerasus	198
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	6
Skeletonema costatum	246
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	13

NUMBER OF TAXA 8 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.2
EUGLENO+PYROPHYTA (FLAGALLATES)	2.3
DINOFLAGALLATES	43.4
BACILLARIOPHYCEAE (DIATOMS)	49.2
CYANOPHYTA (BLUE-GREEN ALGAE)	2.5

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.12	0.541	MARGALEV	1.13	
PIELOU BASE 10	0.49	0.541	SIMPSON	2.49	0.683
MACINTOSH	0.383	0.566	SHELDON		0.385
EXP. PIELOU	3.08		HEIP		0.297

MONTH NOV YEAR 94 STATION 20 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	1
PYROPHYTA	
Cryptomonas ovata	2
Cryptomonas sp.1	42
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	27
Peridinium cerasus	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Biddulphia sinensis	49
Coscinodiscus eccentris	2
Chaetocerus subtile	1
Rhizosolenia styliformis	1
Skeletonema costatum	332
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	42

NUMBER OF TAXA 11 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	0.2
EUGLENO+PYROPHYTA (FLAGALLATES)	8.1
DINOFLAGALLATES	5.1
BACILLARIOPHYCEAE (DIATOMS)	70.8
CYANOPHYTA (BLUE-GREEN ALGAE)	7.7

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.17	0.487	MARGALEV	1.61	
PIELOU BASE 10	0.51	0.487	SIMPSON	2.14	0.586
MACINTOSH	0.331	0.453	SHELDON		0.292
EXP. PIELOU	3.21		HEIP		0.221

MONTH DEC YEAR 94 STATION 0 o/oo

CHLOROPHYTA	
Crucigenia fenestrata	4
Oocystis sp.	13
Scenedesmus quadricauda v. Westii	76
Spermatozoopsis exultans	10
EUGLENOPHYTA	
Eutreptilla sp.	49
PYROPHYTA	
Cryptomonas curvata	1
Cryptomonas erosa	6
Cryptomonas ovata	35
Cryptomonas sp.1	36
PYROPHYTA	
DINOPHYCEAE	
Gonyalux palustre	77
Peridinium cerasus	1
CYANOPHYTA	
Anabaenopsis	16
Synechocystis aquaticus Sauvageau	24
Coelosphaerium sp.	97
Merismopedia sp.	55

NUMBER OF TAXA 15 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	17.8
EUGLENO+PYROPHYTA (FLAGALLATES)	22.0
DINOFLAGALLATES	13.5
BACILLARIOPHYCEAE (DIATOMS)	0.0
CYANOPHYTA (BLUE-GREEN ALGAE)	33.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	2.28	0.843	MARGALEV	2.25	
PIELOU BASE 10	0.99	0.843	SIMPSON	8.27	0.942
MACINTOSH	0.683	0.879	SHELDON		0.655
EXP. PIELOU	9.82		HEIP		0.630

MONTH DEC YEAR 94 STATION 6 o/oo

CHLOROPHYTA	
Scenedesmus bijuga v. alternans	4
Scenedesmus quadricauda v. Westii	2
Spermatozoopsis exultans	3
EUGLENOPHYTA	
Eutreptilla sp.	1
PYROPHYTA	
Cryptomonas ovata	4
Cryptomonas sp.1	5
PYROPHYTA	
DINOPHYCEAE	
Gymnodinium splendens	467
Peridinium cerasus	1
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	2
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	11

NUMBER OF TAXA 10 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.8
EUGLENO+PYROPHYTA (FLAGALLATES)	2.0
DINOFLAGALLATES	91.9
BACILLARIOPHYCEAE (DIATOMS)	0.4
CYANOPHYTA (BLUE-GREEN ALGAE)	2.2

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	0.37	0.161	MARGALEV	1.45	
PIELOU BASE 10	0.16	0.161	SIMPSON	1.15	0.141
MACINTOSH	0.069	0.096	SHELDON		0.145
EXP. PIELOU	1.45		HEIP		0.050

MONTH DEC YEAR 94 STATION 12 o/oo

CHLOROPHYTA	
Chlamydomonas sphagnicola	3
Scenedesmus quadricauda v. Westii	4
Spermatozoopsis exultans	4
EUGLENOPHYTA	
Eutreptilla sp.	8
PYROPHYTA	
Cryptomonas ovata	3
Cryptomonas sp.1	29
unidentified flagellate #1	2
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	9
Gonyalux palustre	1
Gymnodinium splendens	14
Peridinium cerasus	245
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Coscinodiscus eccentris	1
Entomoneis alata	1
Navicula spp.	1
Rhizosolenia styliformis	1
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	174

NUMBER OF TAXA 16 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	2.1
EUGLENO+PYROPHYTA (FLAGALLATES)	7.9
DINOFLAGALLATES	50.4
BACILLARIOPHYCEAE (DIATOMS)	0.7
CYANOPHYTA (BLUE-GREEN ALGAE)	32.6

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.34	0.485	MARGALEV	2.41	
PIELOU BASE 10	0.58	0.485	SIMPSON	2.73	0.676
MACINTOSH	0.413	0.527	SHELDON		0.240
EXP. PIELOU	3.83		HEIP		0.189

MONTH DEC YEAR 94 STATION 20 o/oo

CHLOROPHYTA	
Chlymentomonas sp.	6
Scenedesmus quadricauda v. Westii	2
Spermatozoopsis exultans	1
EUGLENOPHYTA	
Eutreptilla sp.	11
PYROPHYTA	
Cryptomonas ovata	3
Cryptomonas sp.1	35
PYROPHYTA	
DINOPHYCEAE	
Certaium hircus	15
Gonyalux palustre	3
Gymnodinium simplex	4
Gymnodinium splendens	2
Peridinium cerasus	20
Prorocentrum micans	48
CHRYSOPHYTA	
BACILLARIOPHYCEAE	
Actinoptychus undulatus	27
Biddulphia sinensis	2
Coscinodiscus eccentris	1
Chaetocerus subtile	2
Rhizosolenia styliformis	4
Skeletonema costatum	162
CYANOPHYTA	
Synechocystis aquaticus Sauvageau	152

NUMBER OF TAXA 19 TOTAL NUMBER OF INDIVIDUALS 500.

PERCENT WITHIN MAJOR TAXONOMIC GROUPS

CHLOROPHYTA (GREEN ALGAE)	1.7
EUGLENO+PYROPHYTA (FLAGALLATES)	9.1
DINOFLAGALLATES	17.1
BACILLARIOPHYCEAE (DIATOMS)	36.8
CYANOPHYTA (BLUE-GREEN ALGAE)	28.3

DIVERSITY AND EVENNESS INDICES

	DIVERSITY	EVENNESS		DIVERSITY	EVENNESS
PIELOU BASE E	1.92	0.652	MARGALEV	2.90	
PIELOU BASE 10	0.83	0.652	SIMPSON	4.59	0.826
MACINTOSH	0.558	0.692	SHELDON		0.359
EXP. PIELOU	6.81		HEIP		0.323