

Primary Productivity  
Sampling  
And  
Profiling Data

APPENDIX N

Station 02 - Near Mark 32										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	12:38	1.1	24.23	23.48	4.97	7.42	37106	67.7	5.3	surface	GPA02-S	12:50
09/22/1999			24.2	23.85	5.07	7.45	35887	69.1	4.3	1.1m	GPA02-2.1	12:53
09/22/1999			24.21	21.42	5.05	7.43	34139	68.1	3.2	6.3m	GPA02-6.3	13:03
09/22/1999			24.23	20.06	5.09	7.44	32043	68.1	1.9			
09/22/1999			24.36	19.54	5.16	7.41	31322	69.5	1			
09/23/1999	10:07	1.1	23.63	30.64	6.2	7.59	47049	87.1	4.9	surface	GPA02B-S	10:13
09/23/1999			23.62	29.49	6.16	7.6	45100	85.8	4	1.1m	GPA02B-1.1	10:15
09/23/1999			23.6	27.76	6.06	7.59	42988	83.6	3	3.3m	GPA02B-3.3	10:17
09/23/1999			23.61	25.11	6.01	7.56	39579	80.7	2			
09/23/1999			23.67	24.39	5.92	7.53	38318	80.3	1			

**Station 03 - At Marker Bouy for GPA 03 in South Channel****Chlorophyll Sample**

Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	13:38	1.2	24.07	20.74	5.28	7.41	33145	70.7	4.8	surface	GPA03-s	13:41
09/22/1999			24.11	20.71	5.32	7.41	33132	71.1	3.9	2.2m	GPA03-2.2	13:43
09/22/1999			24.15	20.55	5.38	7.41	32867	72.5	3	4.4m	GPA03-4.4	13:45
09/22/1999			24.1	20.41	5.4	7.4	32662	72.2	2.1			
09/22/1999			24.3	19.93	5.5	7.39	31991	73.8	1			
09/23/1999	10:47	0.7	23.71	20.57	5.43	7.4	32887	72.2	4.7	surface	GPA03B-S	10:51
09/23/1999			23.7	20.56	5.43	7.37	32848	72	4	0.7m	GPA03B-0.7	10:53
09/23/1999			23.67	20.53	5.43	7.35	32812	72	3	2.1m	GPA03B-2.1	10:55
09/23/1999			23.67	20.53	5.43	7.34	32822	72.1	2			
09/23/1999			23.62	20.5	5.45	7.32	32780	72.2	1			

Station 04 - Just Upstream of Mark '52'										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	14:35	1.2	24.35	16.47	4.67	7.29	26931	61.4	5	surface	GPA04-S	14:37
09/22/1999			24.32	16.05	4.52	7.27	26323	59	4.2	1.2m	GPA04-2.2	14:39
09/22/1999			24.31	15.04	4.56	7.25	25137	59.4	3	6.6m	GPA04-6.6	14:42
09/22/1999			24.33	14.61	4.65	7.24	24097	60.9	1.9			
09/22/1999			24.45	14.07	4.69	7.23	23232	60.8	1			
09/23/1999	11:49	1.2	23.99	19.28	4.99	7.28	31214	65.9	5.1	surface	GPA04B-s	11:56
09/23/1999			23.98	18.98	4.98	7.27	30661	65.9	3.9	1.2m	GPA04B-1.2	11:58
09/23/1999			23.98	18.11	5.17	7.27	29264	68.4	3	3.6m	GPA04B-3.6	12:00
09/23/1999			23.99	17.97	5.21	7.25	29137	68.5	2			
09/23/1999			24.07	17.85	5.19	7.25	28961	68.7	1			



Station 06 - Off Pike Structure above Talmadge Bridge										Chlorophyll Sample			
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time	
09/22/1999	15:30	1.2	24.25	11.63	4.55	7.2	20013	57.9	4.9	surface	GPA06-S	15:32	
09/22/1999			24.32	11.31	4.53	7.15	19122	57.7	3.9	1.2m	GPA06-2.2	15:35	
09/22/1999			24.29	11.43	4.51	7.12	19136	57.5	3.1	6.6m	GPA06-6.6	15:38	
09/22/1999			24.41	11.02	4.61	7.12	18560	59.2	2	6.6m	CADUP3*	15:38	
09/22/1999			24.43	11.02	4.66	7.1	18530	59.4	0.9		Duplicate of 6.6m		
09/23/1999	9:45	1	23.44	32.5	6.6	7.67	49595	93.5	5	surface	GPA26B-S	9:43	
09/23/1999			23.28	31.53	6.75	7.66	48587	94.9	4.1	1m	GPA26-1	9:47	
09/23/1999			23.27	31.33	6.8	7.66	48031	95.5	3.1	3m	GPA26B-3	9:49	
09/23/1999			23.26	31.08	6.83	7.66	47650	95.8	2				
09/23/1999			23.27	30.91	6.85	7.66	47431	96	1				
		Became murkier (shallower Secchi) during measurement											
09/23/1999	12:43	1.1	24.07	13.17	4.52	7.13	21572	58.1	5.1	surface	GPA06B-S	12:46	
09/23/1999			24.05	12.49	4.59	7.12	21449	58.5	3.9	1.1m	GPA06B-1.1	12:49	
09/23/1999			24.02	12.6	4.58	7.09	20975	58.7	3	3.3m	GPA06B-3.3	12:51	
09/23/1999			24.01	12.29	4.65	7.07	20621	59.3	2	surface	CADUP9*	12:46	
09/23/1999			24	11.99	4.69	7.07	20021	59.7	1		<i>*Duplicate of surface sample</i>		

Station 07 - Back River - Low Sun Angle										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	18:33	0.7	23.89	4.35	5.93	6.81	7899	72	5	surface	GPA07-S	18:39
09/22/1999			23.94	5.1	5.89	6.77	9118	71.8	4	0.7m	GPA07-0.7	18:41
09/22/1999			23.92	4.95	5.88	6.81	8875	71.8	2.9	2m	GPA07-2	18:43
09/22/1999			23.84	4.48	5.93	6.84	8050	72	2.1	2m	CADUP6*	18:43
09/22/1999			23.79	4.02	6	6.87	7266	72.8	0.9		<i>*Duplicate of 2m sample</i>	
09/23/1999	17:03	--	23.55	2.58	6.7	6.81	4826	78.2	5.954			
09/23/1999			23.37	2.48	6.48	6.81	4640	77.1	4.896			
09/23/1999			23.37	2.55	6.47	6.8	4777	77.1	3.996			
09/23/1999			23.37	2.6	6.47	6.78	4833	77.2	3.02			
09/23/1999			23.4	2.39	6.52	6.81	4484	77.9	1.997			
09/23/1999			23.44	2.29	6.53	6.81	4256	78	0.987			

Station 08 - Mark '28' below Houlihan Bridge										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	16:09	1.2	23.97	7.61	4.93	7.01	13510	61.5	4.7	surface	GPA08-S	16:13
09/22/1999			24	7.44	4.86	6.96	13975	59.8	4	1.2m	GPA08-1.2	16:15
09/22/1999			24	5.51	5.24	7.09	9159	65.4	3.1	3.6m	GPA08-3.6	16:18
09/22/1999			24.12	4.3	5.58	7.1	7850	68.3	2.1			
09/22/1999			24.11	3.8	5.79	7.1	6985	70.5	0.9			
09/23/1999	13:22	0.9	23.19	2.6	6.47	7.06	4862	76.8	5	surface	GPA08B-S	13:26
09/23/1999			23.18	2.53	6.48	7.08	4766	77	4	0.9m	GPA08B-0.9	13:30
09/23/1999			23.19	2.44	6.5	7.09	4568	77.1	3	2.7m	GPA08B-2.7	13:32
09/23/1999			23.17	2.33	6.53	7.08	4438	77.3	2			
09/23/1999			23.23	2.13	6.57	7.09	4113	78	0.9			

Station 09 - Houlihan Bridge										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	16:26	1.3	24.14	10.3	4.35	6.87	17513	55.7	4.9	surface	GPA09-S	16:33
09/22/1999			24.18	10.53	4.35	6.89	17864	55	3.9	1.3m	GPA09-1.3	16:38
09/22/1999			24.17	10.48	4.34	6.92	17789	54.9	2.9	3.9m	GPA09-3.9	16:44
09/22/1999			24.01	7.2	5.06	6.96	11850	63.6	2.1	surface	CADUP4*	16:33
09/22/1999			23.8	3.38	5.63	7.17	6292	70.1	1	<i>*Duplicate of surface sample</i>		
09/23/1999	14:45	--	23.04	0.46	7.14	7.52	886	83.3	5.269			
09/23/1999			23.05	0.43	7.11	7.38	913	83.2	4.047			
09/23/1999			23.06	0.44	7.1	7.37	942	83	3.002			
09/23/1999			23.06	0.44	7.09	7.37	974	83	2.025			
09/23/1999			23.07	0.42	7.1	7.36	916	83	1.121			

Station 10 - Rte 25 Bridge on Middle River - Low Sun Angle										Chlorophyll Samp	
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number
09/22/1999	17:53	1.1	24	6.28	5.37	6.75	11087	65.3	3.8	surface	GPA10-S
09/22/1999			24.01	6.24	5.22	6.81	11064	64.3	3	1.1m	GPA10-1.1
09/22/1999			24.01	6.13	5.27	6.85	10962	64.9	2	3m	GPA10-3
09/22/1999			24.01	6.05	5.31	6.86	10812	65.1	1		
09/23/1999	16:30	--	23.54	2.62	6.65	6.81	4883	78.6	3.685		
09/23/1999			23.52	2.6	6.52	6.83	4814	77.8	2.987		
09/23/1999			23.53	2.54	6.53	6.82	4740	78	2.009		
09/23/1999			23.54	2.51	6.52	6.82	4671	77.9	1.061		

<b>e</b>
Time
17:57
17:59
18:03

Station 11R - light is getting bad for secchi's										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	16:54	1	23.52	0.48	6.52	7.42	966	77	5	surface	GPA11R-S	16:56
09/22/1999			23.51	0.44	6.54	7.41	956	77.1	4.1	1.0m	GPA11R-1	16:58
09/22/1999			23.51	0.41	6.56	7.33	942	77.4	3.1	3.0m	GPA11R-3	17:00
09/22/1999			23.51	0.39	6.56	7.36	823	77.4	1.9			
09/22/1999			23.51	0.4	6.56	7.33	831	77.4	1			
09/23/1999	15:10	--	23.11	0.09	7.46	7.01	181	86.6	4.659			
09/23/1999			23.1	0.09	7.38	7.4	183	85.9	3.999			
09/23/1999			23.11	0.09	7.34	7.3	182	85.8	3.165			
09/23/1999			23.12	0.09	7.34	7.42	181	85.7	1.902			
09/23/1999			23.14	0.08	7.34	7.42	179	85.8	0.93			

Station 12R - Upper Middle River **										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	17:32	0.75	23.95	2.07	6.14	6.88	3919	73.6	3.2	surface	GPA12R-S	17:34
09/22/1999			24.01	2.08	6.15	6.91	3934	73.9	2	1m	GPA12R-1	17:38
09/22/1999			24.01	2.08	6.17	6.92	3955	74.1	1	2.5m	GPA12R-2.5	17:41
<i>**Low sun angle makes Secchi suspect - use 1m sample value</i>										1m	CADUP5*	17:38
										<i>*Duplicate of 1m sample</i>		
09/23/1999	16:10	--	22.95	0.23	6.68	6.99	488	77.8	1.442			
09/23/1999			22.95	0.24	6.69	7.03	487	78	0.843			

Station 14 - Below I-95 Bridge										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	17:12	1.1	23.58	0.06	6.74	7.52	128	79.6	4	surface	GPA14-S	17:15
09/22/1999			23.58	0.06	6.76	7.5	128	79.7	3.1	1.1m	GPA14-1.1	17:17
09/22/1999			23.59	0.06	6.77	7.44	128	79.7	2	3.3m	GPA14-3.3	17:19
09/22/1999			23.59	0.06	6.78	7.53	128	80.1	1			
09/23/1999	15:43	--	23.24	0.06	7.6	6.97	135	88.8	3.544			
09/23/1999			23.23	0.06	7.52	6.98	135	88	2.856			
09/23/1999			23.23	0.06	7.49	7.15	134	87.6	2.048			
09/23/1999			23.25	0.06	7.47	7.33	135	87.5	1.08			

Station 15 - RTE 25 Bridge - Little Back River - Low Sun Angle										Chlorophyll Sample	
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number
09/22/1999	18:09	0.6	23.68	0.96	5.89	7.24	1901	69.9	4	surface	GPA15-S
09/22/1999			23.67	0.96	5.89	7.15	1790	69.7	3	0.6m	GPA15-0.6
09/22/1999			23.67	0.95	5.88	7.1	1870	69.8	2	1.8m	GPA15-1.8
09/22/1999			23.66	0.93	5.89	7.07	1840	69.9	1		
09/23/1999	16:45	--	22.89	0.59	6	7.15	1192	68.3	3.224		
09/23/1999			22.89	0.59	5.73	7.08	1190	66.7	1.953		
09/23/1999			22.9	0.59	5.7	6.99	1194	66.5	0.866		

Time
18:11
18:14
18:16

Station 21 - At Cofz Depot										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	14:57	1.2	24.39	12.48	4.56	7.23	20941	58.9	4.9	surface	GPA21-S	15:00
09/22/1999			24.56	12.32	4.63	7.2	20592	60	4.1	1.2m	GPA21-2.2	15:03
09/22/1999			24.6	12.3	4.67	7.17	20523	60.7	3	6.6m	GPA21-6.6	15:06
09/22/1999			24.62	12.21	4.76	7.15	20424	61.1	2			
09/22/1999			24.64	12.17	4.74	7.14	20362	61.1	1			
09/23/1999	12:24	1.2	24.08	14.56	4.54	7.25	23983	58.2	5	surface	GPA21B-S	12:24
09/23/1999			24.06	14.16	4.63	7.21	23195	60.1	4	1.2m	GPA21B-1.2	12:26
09/23/1999			24.05	13.36	4.75	7.19	22468	61.2	3	3.6m	GPA21B-3.6	12:28
09/23/1999			24.03	13.19	4.79	7.17	21887	61.6	2			
09/23/1999			24.02	12.66	4.84	7.15	21316	61.7	1			

Station 22 - Kings Island										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	15:52	1.1	23.91	6.94	4.98	7.15	11849	61.9	5.1	surface	GPA022-s	15:56
09/22/1999			23.83	6.15	5.18	7.12	10803	63.6	4.1	1.1m	GPA022-2.2	15:58
09/22/1999			23.9	3.77	5.73	7.21	6868	70	2.9	6.3m	GPA022-6.6	16:00
09/22/1999			23.93	3.65	5.85	7.17	6650	71	1.9			
09/22/1999			23.94	3.62	5.88	7.14	6615	71.3	1			
09/23/1999	13:05	0.9	23.78	9.2	5.12	7.11	15819	63.6	5.1	surface	GPA22B-S	13:08
09/23/1999			23.78	9.12	5.1	7.08	15369	63.6	4	0.9m	GPA22B-0.9	13:10
09/23/1999			23.77	8.98	5.13	7.05	15381	64	3	2.7m	GPA22B-2.7	13:12
09/23/1999			23.77	8.93	5.14	7.03	15283	64	1.9			
09/23/1999			23.76	8.88	5.17	7.02	15262	64.2	1			

Station 23 - Near Mark 'A17' in NW cut to Wilmington River										Chlorophyll Sample	
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number
09/22/1999	14:12	2.1	24.32	18.01	5.13	7.3	30037	68.1	4.1	surface	GPA23-S
09/22/1999			24.51	18.06	5.17	7.31	29074	68.5	3.2	2.1m	GPA23-2.1
09/22/1999			24.6	17.76	5.28	7.31	28779	70.4	2.2	4m	GPA23-4
09/22/1999			24.65	17.39	5.26	7.29	28326	69.7	1.1	2.1m	CADUP2*
											<i>* Duplicate of 2.1m samp</i>
09/23/1999	11:20	0.8	23.54	20.6	5.25	7.25	32883	69.5	4.5	surface	GPA23B-S
09/23/1999			23.35	20.07	5.22	7.22	32231	69	3.6	0.8m	GPA23B-0.8
09/23/1999			23.31	19.75	5.27	7.21	31658	69.2	2.7	2.4m	GPA23B-2.4
09/23/1999			23.3	19.72	5.28	7.19	31634	69.4	1.8	0.8m	CADUP8*
09/23/1999			23.47	19.7	5.31	7.19	31612	69.8	1		<i>*Duplicate of 0.8m samp</i>

Time
14:15
14:18
14:22
ple
11:24
11:26
11:29
11:26
e

Station 24 - Near Mark 8 in cut to Wilmington River										Chlorophyll Sample	
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number
09/22/1999	13:54	1.2	24.22	19.52	5.35	7.35	31342	70.9	5.1	surface	GPA24-S
09/22/1999			24.21	19.35	5.32	7.33	31059	70.8	3.8	1.2m	GPA24-2.2
09/22/1999			24.27	19.3	5.34	7.32	31028	71.1	2.8	5.0m	GPA24-5
09/22/1999			24.34	19.27	5.4	7.32	31014	72	2		
09/22/1999			24.41	19.26	5.49	7.32	30991	72.7	1		
09/23/1999	11:03	0.6	23.49	20.53	5.34	7.25	32833	70.5	4.9	surface	GPA24B-S
09/23/1999			23.45	20.34	5.35	7.24	32510	70.8	4.1	0.6m	GPA24B-0.6
09/23/1999			23.44	20.31	5.38	7.23	32443	71	2.9	1.8m	GPA24B-1.8
09/23/1999			23.45	20.25	5.38	7.23	32447	71	2		
09/23/1999			23.44	20.26	5.38	7.22	32460	71.2	1		

Time
13:56
13:58
14:04
11:07
11:09
11:11

Station 25 - Fields Cut										Chlorophyll Sample		
Date	Time	Secchi Depth (m)	Temp (oC)	Salinity (ppt)	DO (mg/L)	pH	SpC (mS/cm)	DO%	Depth (m)	Depth (m)	Number	Time
09/22/1999	13:13	1.1	23.88	26.71	5.29	7.32	41618	72.9	3.9	surface	GPA25-s	13:15
09/22/1999			23.93	26.54	5.3	7.33	41439	73.1	3	1.1m	GPA25-1.1	13:17
09/22/1999			23.83	26.49	5.2	7.32	41272	71.3	2	3.3m	GPA25-3.3	13:21
09/22/1999			23.82	26.32	5.16	7.31	41096	71	1.3	3.3m	CA-DUP1*	13:21
										<i>*Duplicate sample</i>		
09/23/1999	10:29	0.9	23.57	30.29	6.17	7.57	46511	86.5	4.9	surface	GPA25B-S	10:31
09/23/1999			23.49	28.05	6.16	7.57	43971	85.1	3.9	0.9m	GPA25B-0.9	10:33
09/23/1999			23.5	27.37	6.1	7.56	42664	84	2.9	2.7m	GPA25B-2.7	10:35
09/23/1999			23.65	23.26	5.91	7.52	36765	79.5	2	2.7m	CADUP7*	10:35
09/23/1999			23.65	23.23	5.88	7.49	36711	79.3	1	<i>*duplicate of 2.7m sample</i>		



<b>PRIMARY PRODUCTIVITY SAMPLING DATA</b>				
<b>Sample ID</b>	<b>SL Log Number</b>	<b>Date Sampled</b>	<b>Matrix</b>	<b>Chlorophyll a Units ug/l</b>
CA-EQ	S916299*62	9/22/99	Water	<0.10
CA-DUP6	S916299*61	9/22/99	Water	7.03
CA-DUP5	S916299*60	9/22/99	Water	2.56
CA-DUP4	S916299*59	9/22/99	Water	1.21
CA-DUP3	S916299*58	9/22/99	Water	1.35
CA-DUP2	S916299*57	9/22/99	Water	3.37
CA-DUP1	S916299*56	9/22/99	Water	7.55
GPA07-2	S916299*55	9/22/99	Water	7.06
GPA07-0.7	S916299*54	9/22/99	Water	8.3
GPA07-S	S916299*53	9/22/99	Water	7.98
GPA15-1.8	S916299*52	9/22/99	Water	8.58
GPA15-0.6	S916299*51	9/22/99	Water	8.56
GPA15S	S916299*50	9/22/99	Water	8.07
GPA10-3	S916299*49	9/22/99	Water	1.35
GPA10-1.1	S916299*48	9/22/99	Water	1.18
GPA10-S	S916299*47	9/22/99	Water	1.33
GPA12R-2.5	S916299*46	9/22/99	Water	3.11
GPA12R-1	S912699*45	9/22/99	Water	2.97
GPA12R-S	S912699*44	9/22/99	Water	2.45
GPA14-3.3	S912699*43	9/22/99	Water	1.01
GPA14-1.1	S912699*42	9/22/99	Water	0.95
GPA14-S	S912699*41	9/22/99	Water	0.86
GPA11R-3	S912699*40	9/22/99	Water	1.01
GPA11R-1	S912699*39	9/22/99	Water	1.15
GPA11R-S	S912699*38	9/22/99	Water	1.27
GPA09-3.9	S912699*37	9/22/99	Water	1.21
GPA09-1.3	S912699*36	9/22/99	Water	1.09
GPA09-S	S912699*35	9/22/99	Water	0.98
GPA08-3.6	S912699*34	9/22/99	Water	1.12
GPA08-1.2	S912699*33	9/22/99	Water	1.09
GPA08-S	S912699*32	9/22/99	Water	1.27
GPA22-6.6	S912699*31	9/22/99	Water	1.27
GPA22-2.2	S912699*30	9/22/99	Water	1.67
GPA22-S	S912699*29	9/22/99	Water	1.76
GPA06-6.6	S912699*28	9/22/99	Water	1.64
GPA06-2.2	S912699*27	9/22/99	Water	2.07
GPA06-S	S912699*26	9/22/99	Water	2.51
GPA21-6.6	S912699*25	9/22/99	Water	1.5
GPA21-2.2	S912699*24	9/22/99	Water	2.48
GPA21-S	S912699*23	9/22/99	Water	2.65
GPA04-6.6	S912699*22	9/22/99	Water	2.68
GPA04-2.2	S912699*21	9/22/99	Water	2.65
GPA04-S	S912699*20	9/22/99	Water	3.6
GPA23-4	S912699*19	9/22/99	Water	3.4
GPA23-2.1	S912699*18	9/22/99	Water	3.43
GPA23-S	S912699*17	9/22/99	Water	2.74
GPA24-S	S912699*16	9/22/99	Water	4.72
GPA24-2.2	S912699*14	9/22/99	Water	5.7
GPA24-S	S912699*13	9/22/99	Water	4.49

GPA02-4.4	S912699*12	9/22/99	Water	3.74
GPA03-2.2	S912699*11	9/22/99	Water	4.06
GPA03-S	S912699*10	9/22/99	Water	4.15
GPA25-3.3	S912699*9	9/22/99	Water	8.38
GPA25-1.1	S912699*8	9/22/99	Water	8.35
GPA25-S	S912699*7	9/22/99	Water	7.95
GPA02-6.3	S912699*6	9/22/99	Water	5.21
GPA02-2.1	S912699*5	9/22/99	Water	3.4
GPA02-S	S912699*4	9/22/99	Water	2.74
GPA26-3.9	S912699*3	9/22/99	Water	5.73
GPA26-1.3	S912699*2	9/22/99	Water	6.05
GPA26-S	S912699*1	9/22/99	Water	4.41

<b>PRIMARY PRODUCTIVITY SAMPLING DATA</b>				
<b>Sample ID</b>	<b>SL Log Number</b>	<b>Date Sampled</b>	<b>Matrix</b>	<b>Chlorophyll a Units ug/l</b>
CA-DUP12	S916345*64	9/23/99	WATER	<0.10
CA-DUP11	S916345*63	9/23/99	WATER	12.96
CA-DUP10	S916345*62	9/23/99	WATER	1.7
CA-DUP9	S916345*61	9/23/99	WATER	1.47
CA-DUP8	S916345*60	9/23/99	WATER	1.9
CA-DUP7	S916345*59	9/23/99	WATER	5.3
CA-EQ2	S916345*58	9/23/99	WATER	5.59
GPA05-2.1	S916345*57	9/23/99	WATER	7.2
GPA05-0.7	S916345*56	9/23/99	WATER	13.6
GPA05-S	S916345*55	9/23/99	WATER	6.71
GPA07B-1.8	S916345*54	9/23/99	WATER	12.47
GPA07B-0.6	S916345*53	9/23/99	WATER	7.58
GPA07B-S	S916345*52	9/23/99	WATER	13.11
GPA15B-2.1	S916345*51	9/23/99	WATER	7.86
GPA15B-0.7	S916345*50	9/23/99	WATER	7.17
GPA15B-S	S916345*49	9/23/99	WATER	6.71
GPA10B-2.7	S916345*48	9/23/99	WATER	4
GPA10B-0.9	S916345*47	9/23/99	WATER	3.23
GPA10B-S	S916345*46	9/23/99	WATER	3.02
GPA12RB-2.7	S916345*45	9/23/99	WATER	1.87
GPA12RB-0.9	S916345*44	9/23/99	WATER	1.9
GPA12RB-S	S916345*43	9/23/99	WATER	1.81
GPA14B-3.3	S916345*42	9/23/99	WATER	1.12
GPA14B-1.1	S916345*41	9/23/99	WATER	1.21
GPA14B-S	S916345*40	9/23/99	WATER	1.04
GPA11RB-3.3	S916345*39	9/23/99	WATER	1.18
GPA11RB-1.1	S916345*38	9/23/99	WATER	1.15
GPA11RB-S	S916345*37	9/23/99	WATER	0.98
GPA09B-2.7	S916345*36	9/23/99	WATER	1.47
GPA09B-0.9	S916345*35	9/23/99	WATER	1.41
GPA09B-S	S916345*34	9/23/99	WATER	1.24
GPA08B-2.7	S916345*33	9/23/99	WATER	1.41
GPA08B-0.9	S916345*32	9/23/99	WATER	1.38
GPA08B-S	S916345*31	9/23/99	WATER	1.21
GPA22B-2.7	S916345*30	9/23/99	WATER	2.1
GPA22B-0.9	S916345*29	9/23/99	WATER	1.93
GPA22B-S	S916345*28	9/23/99	WATER	1.99
GPA06B-3.3	S916345*27	9/23/99	WATER	1.96
GPA06B-1.1	S916345*26	9/23/99	WATER	2.1
BPA06B-S	S916345*25	9/23/99	WATER	1.99
GPA21B-3.6	S916345*24	9/23/99	WATER	2.02
GPA21B-1.2	S916345*23	9/23/99	WATER	1.73
GPA21B-S	S916345*22	9/23/99	WATER	1.87
GPA04B-3.6	S916345*21	9/23/99	WATER	3.8
GPA04B-1.2	S916345*20	9/23/99	WATER	3.31
GPA04B-S	S916345*19	9/23/99	WATER	3.02
GPA23B-2.4	S916345*18	9/23/99	WATER	5.62
GPA23B-0.8	S916345*17	9/23/99	WATER	5.73
GPA23B-S	S916345*16	9/23/99	WATER	5.27

GPA24B-1.8	S916345*15	9/23/99	WATER	4.81
GPA24B-0.6	S916345*14	9/23/99	WATER	4.95
GPA24B-S	S916345*13	9/23/99	WATER	5.24
GPA03B-2.1	S916345*12	9/23/99	WATER	4.03
GPA03B-0.7	S916345*11	9/23/99	WATER	3.72
GPA03B-S	S916345*10	9/23/99	WATER	3.74
GPA25B-2.7	S916345*9	9/23/99	WATER	5.33
GPA25B-0.9	S916345*8	9/23/99	WATER	5.56
GPA25B-S	S916345*7	9/23/99	WATER	4.75
GPA02B-3.3	S916345*6	9/23/99	WATER	8.27
GPA02B-1.1	S916345*5	9/23/99	WATER	5.3
GPA02B-S	S916345*4	9/23/99	WATER	4.87
GPA26B-3	S916345*3	9/23/99	WATER	8.5
GPA26B-1	S916345*2	9/23/99	WATER	9.22
GPA26B-S	S916345*1	9/23/99	WATER	7.58