

Proyect: Nutrient Criteria Lakes
Water Quality Data -Master File
Soil and Water Chemistry Laboratory
Dr. Gustavo A. Martínez

sampleno	samplerevent	lake#	station	Rep	Condition	10 DBS	Samp Date	location	lakename	Sample Description	temp(°C)	pH	CE	Secchi	DO	TKN (mg/L)	TP(mg/L)	DP (mg/L)	DOC (mg/L)	Chl a (ug/L)	TKN/TP (mg/L)	TSIChl	TSITP	NO3 ppm	TN ppm	TN/TP
1	1	1	1	1	D		8/13/2003	E	Curias	Las Curias-01-sec 2 entrada	30.0	7.95	275	0.60	6.75	0.30	0.013	0.010	3.75	.	24.00	.	40.57	0.069	0.369	29.54
2	1	1	3	1	D		8/13/2003	R	Curias	Las Curias-02-sec 4 represa	30.0	8.05	270	2.00	6.40	0.28	0.011	0.010	3.45	.	25.45	.	38.73	0.059	0.339	30.81
3	1	2	1	1	W		8/18/2003	E	La Plata	La Plata-01-sec 2 44400	30.0	8.91	.	0.99	9.61	0.35	0.022	0.018	5.18	.	16.05	.	48.39	0.167	0.512	23.82
4	1	2	3	1	W		8/18/2003	R	La Plata	La Plata-02-sec 4 represa	30.5	8.43	.	1.65	7.02	0.29	0.013	0.010	5.36	.	22.31	.	41.14	0.081	0.371	28.50
5	1	3	1	1	.		8/18/2003	E	Carraizo	Carraizo-01-sec 2 entrada 57500	29.0	7.38	275	0.50	4.89	0.33	0.132	0.152	5.65	.	2.50	.	74.56	0.778	1.108	8.39
6	1	3	2	1	.		8/18/2003	C	Carraizo	Carraizo-02-sec 4 centro 58800	29.0	7.22	272	1.0	6.75	0.30	0.027	0.016	4.87	.	11.11	.	51.68	0.072	0.372	13.79
7	1	4	1	1	W		8/19/2003	E	Carite	Carite-01 sec 2 union rio Plata y lago	27.0	7.60	.	1.32	7.15	0.19	0.012	0.010	2.90	.	16.09	.	39.37	0.107	0.292	25.41
8	1	4	3	1	W		8/19/2003	R	Carite	Carite-02 sec 4 represa	27.0	7.20	.	0.99	7.75	0.26	0.010	0.010	2.67	.	26.00	.	37.35	0.038	0.298	29.79
9	1	5	1	1	D		8/19/2003	E	Patillas	Patillas-01 sec 2 entrada rio Patillas	29.0	7.62	130	0.75	8.10	0.19	0.010	0.011	2.86	.	18.50	.	37.35	0.091	0.276	27.59
10	1	5	2	1	D		8/19/2003	C	Patillas	Patillas-03 sec 5-centro	.	.	.	.	.	0.22	0.010	0.010	2.56	.	22.00	.	37.35	0.146	0.366	36.58
11	1	5	3	1	D		8/19/2003	R	Patillas	Patillas-03 sec 6 frente represa derech	29.0	7.95	128	2.0	8.40	0.24	0.010	0.010	2.07	.	24.00	.	37.35	0.134	0.374	37.39
12	1	6	1	1	D		8/20/2003	E	Guayo	Guayo-01 sec 2 entrada	28.5	7.75	.	0.658	8.80	0.24	0.016	0.010	2.38	.	15.48	.	43.67	0.134	0.374	24.10
13	1	6	2	1	D		8/20/2003	C	Guayo	Guayo-02 sec 4 medio	28.5	8.16	.	1.32	9.41	0.27	0.010	0.010	2.32	.	27.00	.	37.35	0.032	0.302	30.16
14	1	6	3	1	D		8/20/2003	R	Guayo	Guayo-03 sec 6 represa	28.5	8.20	.	1.32	10.36	0.18	0.010	0.010	1.86	.	18.00	.	37.35	0.024	0.204	20.38
15	1	7	1	1	D		8/20/2003	E	Caonillas	Caonillas-01-sec 2 entrada	29.0	7.19	225	1.0	5.80	0.26	0.018	0.011	2.31	.	14.44	.	45.83	0.031	0.291	16.17
16	1	7	2	1	D		8/21/2003	C	Caonillas	Caonillas-02-sec 4 centro	29.0	8.02	215	2.0	7.34	0.25	0.021	0.010	2.72	.	11.90	.	48.05	0.101	0.351	16.70
17	1	7	3	1	D		8/21/2003	R	Caonillas	Caonillas-03 sec 6 represa	29.0	7.98	216	2.5	6.72	0.23	0.011	0.010	2.17	.	20.91	.	38.73	0.087	0.317	28.84
18	1	8	1	1	.		8/12/2003	E	Matrullas	Matrullas-01 sec 2 entrada	26.0	7.78	.	0.987	7.51	0.20	0.010	0.010	2.35	.	19.50	.	37.35	0.071	0.266	26.59
19	1	8	3	1	.		8/12/2003	R	Matrullas	Matrulla-02 sec 4 Represa	26.0	7.88	.	1.65	7.21	0.23	0.010	0.010	2.42	.	23.00	.	37.35	0.023	0.253	25.31
20	1	9	2	1	D		8/12/2003	C	Cerrillo	Cerrillo 02 sec 2 centro	28.0	7.50	.	0.658	6.99	0.26	0.022	0.010	1.81	.	11.82	.	48.72	0.051	0.311	14.15
21	1	9	3	1	D		8/12/2003	R	Cerrillo	Cerrillo- 03 sec 4 Represa	28.0	7.89	.	0.658	7.16	0.26	0.010	0.010	1.83	.	26.00	.	37.35	0.087	0.347	34.75
22	1	10	1	1	D		8/13/2003	E	Cidra	Cidra-01 sec 2 entrada	28.0	7.59	.	0.658	6.68	0.27	0.042	0.016	5.07	.	6.43	.	58.05	0.100	0.370	8.80
23	1	10	2	1	D		8/13/2003	C	Cidra	Cidra-02 sec 4 centro	28.0	7.83	.	0.658	6.84	0.34	0.010	0.010	3.84	.	34.00	.	37.35	0.053	0.393	39.25
24	1	10	3	1	D		8/13/2003	R	Cidra	Cidra-03 sec 6 represa	29.0	7.98	.	1.32	7.62	0.33	0.010	0.010	3.76	.	33.00	.	37.35	0.041	0.371	37.06
25	1	11	1	1	.		8/12/2003	E	Guineo	Guineo sec 2 entrada Rio Toro	24.0	7.65	100	0.6	6.60	0.19	0.017	0.021	5.65	.	11.18	.	45.00	0.068	0.258	15.20
26	1	11	3	1	.		8/12/2003	R	Guineo	Guineo sec 4 frente represa	24.0	7.69	100	2.0	8.10	0.14	0.012	0.010	2.84	.	11.67	.	39.98	0.053	0.193	16.05
27	1	12	1	1	D		8/25/2003	E	Guajataca	Guajataca sec 1 entrada 10720	29.0	8.11	.	1.0	7.11	0.07	0.010	0.010	1.38	.	7.00	.	37.35	0.058	0.128	12.81
28	1	12	3	1	D		8/25/2003	R	Guajataca	Guajataca sec 2 represa 10790	29.0	8.30	.	3.5	6.90	0.02	0.010	0.010	1.12	.	2.00	.	37.35	0.485	0.505	50.49
29	1	13	1	1	W		8/25/2003	E	Dos Bocas	Dos Bocas sec2 entrada	29.0	8.02	.	0.329	6.01	0.06	0.021	0.013	1.34	.	2.62	.	48.05	0.178	0.233	11.11
30	1	13	3	1	W		8/25/2003	R	Dos Bocas	Dos Bocas sec4 represa	28.5	8.42	.	2.30	5.84	0.06	0.010	0.010	0.83	.	6.00	.	37.35	0.023	0.083	8.28
31	1	14	2	1	.		8/26/2003	C	Melania	Melania sec 2 centro	29.0	8.48	.	0.5	6.40	0.07	0.010	0.010	2.10	.	7.00	.	37.35	0.057	0.127	12.71
32	1	15	1	1	W		8/27/2003	E	Loco	Loco entrada sec 2	28.5	7.72	.	0.8735	7.30	0.08	0.010	0.010	1.11	.	7.50	.	37.35	0.433	0.508	50.84
33	1	15	3	1	W		8/27/2003	R	Loco	Loco represa sec 2	28.5	8.97	.	0.987	7.31	0.03	0.010	0.010	1.16	.	3.00	.	37.35	0.449	0.479	47.86
34	1	16	1	1	W		8/27/2003	E	Luchetti	Luchetti 01 sec 2 entrada	29.0	7.98	.	1.5	7.71	0.17	0.011	0.010	2.51	.	15.45	.	38.73	0.369	0.539	48.98
35	1	16	2	1	W		8/27/2003	C	Luchetti	Luchetti 02 sec 4 centro	29.0	7.18	.	1.0	5.12	0.04	0.010	0.010	1.45	.	4.00	.	37.35	0.379	0.419	41.88
36	1	16	3	1	W		8/27/2003	R	Luchetti	Luchetti 03 sec 6 represa	29.0	7.22	.	0.5	4.20	0.04	0.010	0.010	1.45	.	4.00	.	37.35	0.398	0.438	43.80
37	1	17	3	1	W		9/2/2003	R	Garzas	Garzas sec 1 est 20050- 100m antes	26.5	7.60	.	1.0	6.59	0.05	0.011	0.010	1.06	.	4.55	.	38.73	0.022	0.072	6.58
38	1	18	1	1	D		9/3/2003	E	Guayabal	Guayabal entrada sec 2	27.0	8.78	.	0.5	5.95	0.05	0.010	0.010	1.70	.	5.00	.	37.35	0.027	0.077	7.73
39	1	18	2	1	D		9/3/2003	C	Guayabal	Guayabal medio sec 4	27.0	8.61	.	0.5	6.48	0.08	0.010	0.010	1.76	.	8.00	.	37.35	0.010	0.090	9.03
40	1	18	3	1	D		9/3/2003	R	Guayabal	Guayabal represa sec 6	27.5	8.75	.	1.5	6.30	0.03	0.010	0.010	1.34	.	3.00	.	37.35	0.023	0.053	5.29
41	1	19	1	1	D		9/2/2003	E	Toa Vaca	Toa Vaca 01 sec 2 entrada	29.0	7.31	.	0.5	6.70	0.06	0.013	0.010	2.98	.	4.62	.	41.14	0.017	0.077	5.96
42	1	19	2	1	D		9/2/2003	C	Toa Vaca	Toa Vaca 02 sec 4 centro	29.0	7.82	.	2.5	7.20	0.05	0.010	0.010	2.14	.	5.00	.	37.35	0.002	0.052	5.20
43	1	19	3	1	D		9/2/2003	R	Toa Vaca	Toa Vaca 03 sec 6 represa	29.0	7.84	.	3.0	6.80	0.07	0.010	0.010	1.97	.	7.00	.	37.35	0.006	0.076	7.60
44	2	1	1	1	W		11/20/2003	E	Curias	Las Curias-01-sec 2 entrada	28.0	6.86	.	0.5	3.40	0.68	0.028	0.010	8.61	30.60	24.21	64.16	52.20	0.088	0.766	27.35
45	2	1	3	1	W		11/20/2003	R	Curias	Las Curias-02-sec 5 represa	28.0	6.81	.	0.5	5.45	0.61	0.039	0.010	8.22	41.76	15.59	67.21	56.98	0.087	0.695	17.81
46	2	2	1	1	W		12/2/2003	E	La Plata	La Plata-01-sec 2 44400	28.0	7.74	.	0.5	5.75	0.31	0.086	0.070	5.81	3.05	3.63	41.55	68.38	1.150	1.462	17.00
47	2	2	3	1	W		12/2/2003	R	La Plata	La Plata-02-sec 5 represa 44950	28.0	8.20	.	1.0	7.25	0.38	0.065	0.010	6.35	60.30	5.89	70.81	64.34	0.463	0.846	13.02
48	2	3	1	1	D		12/2/2003	E	Carraizo	Carraizo-01-sec 1 57500 entrada	26.5	7.90	.	1.00	7.2	0.33	0.110	0.074	5.88	6.81	3.03	49.42	71.93	1.316	1.649	15.00
49	2	4	1	1	D		12/3/2003	E	Carite	Carite-01 sec1 cuenca R. la plata 3990	23.0	8.64	.	0.6096	.	0.17	0.007	0.010	4.62	2.10	24.57	37.86	32.21	0.163	0.335	47.84
50	2	4	3	1	D		12/3/2003	R	Carite	Carite-02 sec 4 represa 39950	23.5	7.80	.	0.6096	.	0.21	0.008	0.010	5.32	3.05	26.75	41.54	34.14	0.147	0.361	45.18
51	2	5	1	1	D		11/5/2003	E	Patillas	Patillas-01 sec 2 entrada rio Patillas	28.0	7.35	.	1.0	6.10	0.18	0.012	0.010	3.73	4.97	14.88	46.34	39.98	0.041	0.220	18.33
52	2	5	2	1	D		11/5/2003	C	Patillas	Patillas-03 sec 5-centro	.	.	.	.	.	0.21	0.010	0.010	2.40	6.18	20.70	48.47	37.35	0.031	0.238	23.83
53	2	5	3	1	D		11/5/2003	R	Patillas	Patillas-03 sec 8 represa derecha	28.0	7.62	.	1.5	8.05	0.16	0.010	0.004	2.38	7.62	16.10	50.52	37.35	0.029	0.190	19.00
54	2	6	1	1	D		12/1/2003	E	Guayo																	

sampleno	samplevent	lake#	station	Rep	Condition	10 DBS	Samp Date	location	lakename	Sample Description	temp(°C)	pH	CE	Secchi	DO	TKN (mg/L)	TP(mg/L)	DP (mg/L)	DOC (mg/L)	Chl a (ug/L)	TKN/TP (mg/L)	TSIChl	TSITP	NO3 ppm	TN ppm	TN/TP
60	2	8	1	1	W		12/11/2003	E	Matrullas	Matrullas-1 sec1 entrada	21.0	7.81	.	0.8225	.	0.06	0.054	0.044	1.62	0.29	1.13	18.33	61.67	0.696	0.757	14.02
61	2	8	3	1	W		12/11/2003	R	Matrullas	Matrullas-2 sec 4 represa	21.4	7.54	.	0.5	.	0.11	0.032	0.017	3.60	2.04	3.38	37.61	54.13	0.539	0.647	20.23
62	2	9	1	1	D		12/9/2003	E	Cerrillo	Cerrillo-01 cerca rio	26.0	7.70	.	1.97	5.21	0.21	0.024	0.010	2.89	.	8.77	.	49.98	0.034	0.244	10.19
63	2	9	2	1	D		12/9/2003	C	Cerrillo	Cerrillo 02 sec 5 centro lago	26.0	7.70	.	2.03	5.60	0.18	0.016	0.010	2.64	.	11.13	.	44.13	0.014	0.192	11.99
64	2	9	3	1	D		12/9/2003	R	Cerrillo	Cerrillo- 03 sec 8 represa	26.0	8.05	.	1.97	5.55	0.22	0.021	0.010	2.44	.	10.62	.	48.05	0.004	0.227	10.82
65	2	10	1	1	W		11/20/2003	E	Cidra	Cidra-01 sec 1 near 2 bridge 89029	26.0	7.50	.	0.6096	.	0.46	0.017	0.010	8.40	9.01	27.70	52.17	44.57	0.148	0.605	36.68
66	2	10	2	1	W		11/20/2003	C	Cidra	Cidra-02 sec 4 center 89030	26.0	7.67	.	0.3048	.	0.40	0.023	0.030	8.17	43.56	17.39	67.62	49.36	0.179	0.579	25.19
67	2	10	3	1	W		11/20/2003	R	Cidra	Cidra-03 sec 7 dam 89031	26.0	7.48	.	0.3048	.	0.43	0.032	0.010	8.31	13.92	13.50	56.43	54.13	0.201	0.633	19.77
68	2	11	1	1	W		12/11/2003	E	Guineo	Guineo 1 sec 2 entrada	21.0	8.17	.	1.0	4.80	0.48	0.063	0.010	7.02	132.75	7.60	78.56	63.89	0.049	0.528	8.38
69	2	11	3	1	W		12/11/2003	R	Guineo	Guineo 2 sec 5 represa	21.0	8.15	.	1.0	6.20	0.21	0.023	0.010	5.58	4.74	9.04	45.86	49.36	0.091	0.299	12.99
70	2	12	1	1	D		12/4/2003	E	Guajataca	Guajataca 1 sec 1 entrada rio 10720	.	.	.	.	.	0.26	0.013	0.010	3.99	9.45	20.96	52.63	40.57	0.079	0.341	27.27
71	2	12	3	1	D		12/4/2003	R	Guajataca	Guajataca 2 sec 4 represa 10790	.	.	.	.	.	0.23	0.014	0.010	4.02	11.46	16.43	54.53	42.21	0.011	0.241	17.19
72	2	13	1	1	W		12/4/2003	E	Dos Bocas	Dos Bocas 1 sec1 cuenca rio 25110	25.0	.	.	0.25	9.05	0.34	0.048	0.027	9.36	5.76	7.10	47.78	59.97	0.992	1.333	27.76
73	2	13	3	1	W		12/4/2003	R	Dos Bocas	Dos Bocas 2 sec4 represa 27090	25.5	.	.	0.25	8.13	0.22	0.038	0.025	10.17	6.57	5.89	49.07	56.60	0.911	1.135	29.88
74	2	14	2	1	.		11/7/2003	C	Melania	Melania est 1 sec 1	29.5	8.17	.	0.987	8.88	0.44	0.019	0.035	4.91	5.67	23.26	47.62	46.61	0.031	0.473	24.91
75	2	15	3	1	D		12/10/2003	R	Loco	Loco II represa sec 2	24.5	7.40	.	0.082	.	0.28	0.085	0.036	5.85	3.22	3.32	42.07	68.21	1.431	1.713	20.16
76	2	16	1	1	W		12/10/2003	E	Luchetti	Luchetti 01 sec 1 entrada rio	24.0	7.60	.	0.3048	.	0.24	0.071	0.010	3.23	6.07	3.36	48.28	65.62	1.260	1.498	21.10
77	2	16	2	1	W		12/10/2003	C	Luchetti	Luchetti 02 sec 4 centro	25.0	8.65	.	0.3048	.	0.26	0.128	0.010	3.22	33.93	2.06	65.17	74.12	1.014	1.278	9.98
78	2	16	3	1	W		12/10/2003	R	Luchetti	Luchetti 03 sec 7 represa	25.0	8.53	.	0.3048	.	0.21	0.054	0.014	3.41	14.16	3.81	56.60	61.67	1.052	1.258	23.30
79	2	17	3	1	D		12/3/2003	R	Garzas	Garzas est 1 sec 2	26.0	7.84	.	1.0	8.05	0.13	0.029	0.010	3.43	17.60	4.67	58.73	52.46	0.515	0.648	22.73
80	2	18	2	1	W		12/9/2003	C	Guayabal	Guayabal II centro 1	25.0	8.60	.	0.3048	.	0.27	0.051	0.040	4.84	18.99	5.25	59.48	60.85	0.706	0.974	19.10
81	2	18	3	1	W		12/9/2003	R	Guayabal	Guayabal III represa sec 4	25.0	8.09	.	0.6096	.	0.23	0.067	0.010	3.79	6.59	3.46	49.10	64.78	0.624	0.856	12.78
82	2	19	1	1	D		11/7/2003	E	Toa Vaca	Toa Vaca 01 sec 2 entrada del rio	28.0	7.62	.	1.0	.	0.37	0.055	0.041	4.70	15.42	6.64	57.44	61.94	0.034	0.399	7.25
83	2	19	2	1	D		11/7/2003	C	Toa Vaca	Toa Vaca 02 sec 6 centro	28.0	8.0	.	1.8	.	0.30	0.012	0.010	2.76	3.22	25.08	42.07	39.98	0.016	0.317	26.43
84	2	19	3	1	D		11/7/2003	R	Toa Vaca	Toa Vaca 03 sec 9 represa	28.5	7.50	.	2.1	.	0.30	0.011	0.010	2.66	3.79	27.05	43.66	38.73	0.004	0.301	27.37
85	3	1	1	1	D		2/23/2004	E	Curias	Las Curias-01-sec 2 entrada	.	.	.	1.00	.	0.54	0.028	0.012	5.87	3.85	19.13	43.83	52.20	0.068	0.604	21.57
86	3	1	3	1	D		2/23/2004	R	Curias	Las Curias-02-sec 4 represa	.	.	.	1.50	.	0.39	0.023	0.012	5.57	3.59	16.74	43.13	49.36	0.059	0.444	19.29
87	3	2	1	1	W		3/25/2004	E	La Plata	La Plata-01-sec 3- entrada 44400	26.5	8.66	.	0.99	8.21	0.61	0.064	0.014	15.87	39.38	9.51	66.63	64.12	0.128	0.737	11.51
88	3	2	3	1	W		3/25/2004	R	La Plata	La Plata-02-sec 6 -represa-44950	.	.	.	.	.	0.50	0.034	0.010	15.18	4.51	14.59	45.37	55.00	0.076	0.572	16.83
89	3	3	1	1	E		3/8/2004	E	Carraizo	Carraizo-01-sec 3 57500	25.0	7.40	.	0.80	5.61	0.61	0.131	0.098	6.69	6.33	4.67	48.70	74.45	1.028	1.640	12.52
90	3	4	1	1	D		3/16/2004	E	Carite	Carite-01 sec 1 desemb rio plata 3990	23.0	7.51	.	1.50	6.75	0.29	0.015	0.010	3.95	0.46	20.00	22.90	42.71	0.388	0.678	46.77
91	3	4	3	1	D		3/16/2004	R	Carite	Carite-02 sec 4 represa 39950	23.0	7.45	.	.	7.46	0.29	0.015	0.010	3.96	1.22	19.07	32.53	43.20	0.290	0.576	38.38
92	3	5	1	1	D		2/24/2004	E	Patillas	Patillas entrada rio patillas	.	.	.	1.40	.	0.29	0.016	0.015	1.99	2.50	18.13	39.57	44.13	0.134	0.424	26.48
93	3	5	2	1	D		2/24/2004	C	Patillas	Patillas-03 sec 5-centro	.	.	.	1.90	.	0.30	0.019	0.016	2.04	1.63	15.84	35.40	46.61	0.124	0.425	22.39
94	3	5	3	1	D		2/24/2004	R	Patillas	Patillas-03 sec 8 represa derecha	.	.	.	1.90	.	0.43	0.014	0.011	2.06	1.55	30.79	34.89	42.21	0.168	0.599	42.78
95	3	6	1	1	D		3/4/2004	E	Guayo	Guayo-01 sec 3 89004 near rio	23.5	9.11	.	0.50	7.08	0.76	0.037	0.010	5.74	14.04	20.46	56.52	56.22	0.383	1.140	30.82
96	3	6	2	1	D		3/4/2004	C	Guayo	Guayo-02 sec 6 89005 center	23.5	8.29	.	1.00	0.443	0.48	0.025	0.010	4.19	10.54	19.36	53.70	50.57	0.567	1.051	42.03
97	3	7	1	1	.		3/3/2004	E	Caonillas	Caonillas-01-sec 1	.	.	.	0.75	.	0.54	0.050	0.015	4.24	17.24	10.84	58.53	60.42	0.479	1.015	20.51
98	3	7	2	1	.		3/3/2004	C	Caonillas	Caonillas-02-sec 4 centro	.	.	.	0.75	.	0.42	0.040	0.014	3.81	7.27	10.60	50.06	57.34	0.473	0.897	22.43
99	3	7	3	1	.		3/3/2004	R	Caonillas	Caonillas-03 sec 7 represa	27.0	7.49	.	1.50	.	0.30	0.019	0.015	2.84	10.51	15.74	53.68	46.61	0.451	0.750	39.48
100	3	8	1	1	W		3/2/2004	E	Matrullas	Matrullas-01 sec 2 entrada	21.0	8.29	.	0.90	9.5	0.34	0.027	0.011	1.38	19.26	12.41	59.62	51.68	2.426	2.761	102.24
101	3	8	3	1	W		3/2/2004	R	Matrullas	Matrullas-02 sec 5-represa	21.0	7.36	.	1.30	7.6	0.35	0.024	0.010	1.21	20.64	14.75	60.30	49.98	0.960	1.314	54.73
102	3	9	1	1	D		3/4/2004	E	Cerrillo	Cerrillo-01 entrada	25.0	8.13	.	1.52	6.68	0.48	0.051	0.014	3.32	11.97	9.56	54.95	60.70	0.131	0.614	12.17
103	3	9	2	1	D		3/4/2004	C	Cerrillo	Cerrillo 02 sec 5 centro	25.0	8.68	.	2.43	8.56	0.29	0.018	0.010	2.88	5.58	15.89	47.47	45.83	0.114	0.400	22.22
104	3	9	3	1	D		3/4/2004	R	Cerrillo	Cerrillo- 03 sec 8 represa	.	.	.	2.40	.	0.29	0.017	0.010	2.89	4.18	16.88	44.62	45.00	0.115	0.402	23.63
105	3	10	1	1	D		3/15/2004	E	Cidra	Cidra-01 sec 3-89029	25.0	7.25	.	0.49	7.15	0.62	0.040	0.011	7.27	7.01	15.56	49.71	57.34	0.140	0.763	19.07
106	3	10	2	1	D		3/15/2004	C	Cidra	Cidra-02 sec 6 center 89030	25.0	7.52	.	1.00	7.15	0.63	0.037	0.010	6.34	11.58	16.89	54.63	56.22	0.145	0.770	20.80
107	3	10	3	1	D		3/15/2004	R	Cidra	Cidra-03 sec 9dam 89031	.	.	.	.	.	0.55	0.024	0.010	6.16	3.05	22.96	41.53	49.98	0.178	0.729	30.37
108	3	11	1	1	D		3/11/2004	E	Guineo	Guineo est 1 sec 1 desemb. Toro negri	21.5	7.42	.	1.00	8.6	1.03	0.069	0.016	4.24	28.98	14.97	63.63	65.21	0.138	1.171	16.97
109	3	11	3	1	D		3/11/2004	R	Guineo	Guineo est 2 sec 4 represa	22.0	8.26	.	1.50	9.42	0.41	0.028	0.010	2.61	10.20	14.80	53.38	51.94	0.125	0.532	19.35
110	3	12	1	1	D		3/18/2004	E	Guajataca	Guajataca 10720 sec3 entrada	26.0	7.65	.	1.00	8.04	0.36	0.018	0.010	2.52	2.35	20.31	38.99	45.42	0.280	0.636	36.32
111	3	12	3	1	D		3/18/2004	R	Guajataca	Guajataca 10790 sec6 represa	26.0	8.44	.	2.00	7.79	0.32	0.017	0.010	2.22	2.64	18.59	40.12	45.00	0.120	0.436	25.66
112	3	13	1	1	D		3/10/2004	E	Dos Bocas	Dos Bocas 25110sec3	26.0	7.0														

sampleno	samplevent	lake#	station	Rep	Condition	10 DBS	Samp Date	location	lakename	Sample Description	temp(°C)	pH	CE	Secchi	DO	TKN (mg/L)	TP(mg/L)	DP (mg/L)	DOC (mg/L)	Chl a (ug/L)	TKN/TP (mg/L)	TSIChl	TSITP	NO3 ppm	TN ppm	TN/TP
124	3	19	2	1	D		2/25/2004	C	Toa Vaca	Toa Vaca 02 sec 4 centro	.	.	.	1.50	.	0.39	0.041	0.023	3.89	5.00	9.49	46.38	57.70	0.100	0.489	11.92
125	3	19	3	1	D		2/25/2004	R	Toa Vaca	Toa Vaca 03 sec 7 frente represa	.	.	.	2.10	.	0.39	0.046	0.027	3.92	2.65	8.50	40.15	59.36	0.095	0.486	10.56
126	4	1	1	1	D		6/7/2004	E	Curias	Las Curias-01-sec 2 entrada	28.5	7.51	.	1.00	5.8	0.61	0.044	0.014	5.44	4.90	13.86	46.18	58.72	0.036	0.646	14.68
127	4	1	3	1	D		6/7/2004	R	Curias	Las Curias-02-sec 4 represa	28.5	7.77	.	1.00	6.33	0.48	0.049	0.010	5.42	8.75	9.80	51.88	60.27	0.023	0.503	10.27
128	4	2	1	1	D		6/28/2004	E	La Plata	La Plata-01-sec 1- entrada 44400	30.5	8.63	.	0.61	9.4	0.35	0.057	0.010	3.37	37.77	6.17	66.23	62.45	0.105	0.457	8.01
129	4	2	3	1	D		6/28/2004	R	La Plata	La Plata-02-sec 3 -represa-44950	31.0	8.53	.	0.91	8.1	0.25	0.028	0.010	3.35	7.91	8.82	50.89	52.20	0.190	0.437	15.61
130	4	3	1	1	D		6/21/2004	E	Carraizo	Carraizo-01-sec 2 57500	27.0	.	.	0.61	7.7	0.38	0.151	0.100	5.30	5.76	2.52	47.78	76.50	0.420	0.800	5.30
131	4	4	1	1	W		6/16/2004	E	Carite	Carite-01 sec 1 desemb rio plata 3990	27.5	8.52	.	1.50	6.1	0.37	0.009	0.010	2.31	5.62	41.11	47.53	35.83	0.023	0.393	43.67
132	4	4	3	1	W		6/16/2004	R	Carite	Carite-02 sec 4 represa 39950	27.0	8.46	.	1.50	6.5	0.31	0.011	0.010	2.15	5.56	28.18	47.43	38.73	0.024	0.334	30.36
133	4	5	1	1	D		6/8/2004	E	Patillas	Patillas entrada rio patillas	27.0	8.43	.	1.00	7.7	0.39	0.023	0.010	1.59	2.21	17.11	38.36	49.05	0.074	0.459	20.40
134	4	5	2	1	D		6/8/2004	C	Patillas	Patillas-03 sec 5-centro	27.5	8.45	.	.	8.21	0.39	0.020	0.010	1.59	2.66	19.50	40.20	47.35	0.080	0.470	23.50
135	4	5	3	1	D		6/8/2004	R	Patillas	Patillas-04 sec 7- represa	.	.	.	1.00	.	0.42	0.028	0.010	1.43	1.92	15.00	37.00	52.20	0.052	0.472	16.86
136	4	6	1	1	D		6/15/2004	E	Guayo	Guayo-01 sec 2 89004 near rio	28.0	8.02	.	0.75	6.8	0.45	0.023	0.010	2.31	5.78	20.16	47.81	49.05	0.053	0.507	22.51
137	4	6	2	1	D		6/15/2004	C	Guayo	Guayo-02 sec 4 89005 center	28.5	8.66	.	2.00	8.1	0.28	0.053	0.010	2.14	6.74	5.36	49.32	61.40	0.024	0.308	5.81
138	4	6	3	1	D		6/15/2004	R	Guayo	Guayo Represa est 3 sec 6	28.0	8.43	.	1.50	8.4	0.19	0.019	0.010	1.94	10.07	10.05	53.26	46.61	0.026	0.217	11.42
139	4	7	1	1	D		6/16/2004	E	Caonillas	Caonillas-01-sec 1	29.0	6.92	.	0.60	8.61	0.55	0.071	0.010	2.94	22.16	7.75	60.99	65.62	0.030	0.580	8.17
140	4	7	2	1	D		6/16/2004	C	Caonillas	Caonillas-02-sec 3 centro	29.5	9.02	.	1.37	8.81	0.51	0.051	0.010	2.60	9.39	10.00	52.57	60.85	0.024	0.534	10.47
141	4	7	3	1	D		6/16/2004	R	Caonillas	Caonillas-03 sec 5 represa	29.5	8.97	.	1.82	8.3	0.34	0.026	0.010	2.40	7.91	13.08	50.89	51.13	0.026	0.366	14.08
142	4	8	1	1	D		6/14/2004	E	Matrullas	Matrullas-01 sec 2 entrada	25.0	7.67	.	0.80	8.02	0.34	0.025	0.010	2.52	8.50	13.67	51.59	50.27	0.028	0.363	14.80
143	4	8	3	1	D		6/14/2004	R	Matrullas	Matrullas-02 sec 3-represa	26.0	9.24	.	1.00	9.62	0.28	0.017	0.010	1.89	20.81	16.47	60.38	45.00	0.021	0.301	17.73
144	4	9	1	1	D		6/30/2004	E	Cerrillo	Cerrillo-01 entrada	27.0	.	.	0.33	5.1	0.38	0.045	0.013	1.99	56.32	8.43	70.14	58.88	0.105	0.480	10.79
145	4	9	2	1	D		6/30/2004	C	Cerrillo	Cerrillo 02 sec 5 centro	28.5	.	.	1.32	8.95	0.35	0.026	0.010	1.82	5.70	13.46	47.67	51.13	0.022	0.372	14.31
146	4	9	3	1	D		6/30/2004	R	Cerrillo	Cerrillo- 03 sec 8 represa	28.5	.	.	1.81	8.7	0.29	0.017	0.010	1.88	4.88	16.94	46.15	45.00	0.035	0.323	19.00
147	4	10	1	1	D		6/7/2004	E	Cidra	Cidra-01 sec 3-89029	28.6	7.54	.	1.00	7.93	0.64	0.061	0.010	5.87	30.26	10.49	64.05	63.43	0.027	0.667	10.93
148	4	10	2	1	D		6/7/2004	C	Cidra	Cidra-02 sec 4 center 89030	28.4	8.24	.	1.00	9.3	0.48	0.054	0.010	4.88	24.43	8.89	61.95	61.67	0.025	0.505	9.35
149	4	10	3	1	D		6/7/2004	R	Cidra	Cidra-03 sec 6 dam 89031	.	.	.	1.00	.	0.42	0.062	0.010	5.22	29.48	6.77	63.79	63.66	0.022	0.442	7.13
150	4	11	1	1	D		6/14/2004	E	Guineo	Guineo est 1 sec 1 desemb. Toro negri	24.5	8.23	.	0.75	7.9	0.26	0.029	0.014	2.97	17.43	9.19	58.64	52.46	0.032	0.294	10.32
151	4	11	3	1	D		6/14/2004	R	Guineo	Guineo est 2 sec 3 represa	24.0	7.44	.	.	7.5	0.16	0.014	0.010	2.61	3.91	11.71	43.98	42.21	0.030	0.194	13.86
152	4	12	1	1	D		6/21/2004	E	Guajataca	Guajataca 10720 sec1 entrada	29.4	8.25	.	1.83	5.5	0.35	0.013	.	2.60	4.58	27.60	45.52	40.57	0.023	0.368	29.44
153	4	12	3	1	D		6/21/2004	R	Guajataca	Guajataca 10790 sec3 represa	29.9	8.26	.	2.43	6	0.29	0.008	.	2.43	3.18	36.25	41.95	34.14	0.023	0.313	39.13
154	4	13	1	1	D		6/21/2004	E	Dos Bocas	Dos Bocas 25110sec3	30.0	8.50	.	0.75	6.5	0.24	0.052	0.021	1.69	42.66	4.69	67.42	61.13	0.465	0.709	13.63
155	4	13	3	1	D		6/21/2004	R	Dos Bocas	Dos Bocas 27090 sec6 represa	30.0	8.40	.	1.50	8.1	0.21	0.021	0.010	1.66	0.90	10.19	29.57	48.05	0.210	0.424	20.19
156	4	14	2	1	.		6/8/2004	C	Melania	Melania sec 2 FD centro	29.0	8.54	.	0.50	6.9	0.52	0.040	0.010	3.45	5.02	13.04	46.42	57.16	0.024	0.539	13.65
157	4	15	3	1	D		6/10/2004	R	Loco	Loco represa 89021 sec2	28.0	7.90	.	0.50	6.71	0.30	0.051	0.010	3.01	6.64	5.84	49.17	60.70	0.425	0.720	14.26
158	4	16	1	1	D		6/10/2004	E	Luchetti	Luchetti 01 sec 1 entrada 89017	28.9	9.16	.	0.50	8.29	0.50	0.074	0.010	2.94	24.69	6.76	62.05	66.21	0.350	0.850	11.49
159	4	16	2	1	D		6/10/2004	C	Luchetti	Luchetti 02 sec 3 centro 89018	28.0	9.10	.	0.50	7.6	0.46	0.060	0.010	2.74	44.47	7.67	67.83	63.19	0.310	0.770	12.83
160	4	16	3	1	D		6/10/2004	R	Luchetti	Luchetti 03 sec 5 represa 89019	.	.	.	0.50	.	0.44	0.047	0.010	2.73	33.21	9.36	64.96	59.67	0.310	0.750	15.96
161	4	17	1	1	W		6/16/2004	R	Garzas	Garzas 20050 - sec 2	25.5	8.82	.	1.32	9.5	0.27	0.016	0.010	1.65	8.08	17.29	51.09	43.67	0.057	0.325	20.97
162	4	19	1	1	D		6/10/2004	E	Toa Vaca	Toa Vaca 01 sec 1 entrada	29.0	8.34	.	1.00	7.7	0.87	0.097	0.010	3.38	26.18	8.97	62.63	70.12	0.012	0.882	9.09
163	4	19	2	1	D		6/10/2004	C	Toa Vaca	Toa Vaca 02 sec 3 centro	29.0	8.38	.	2.00	6.91	0.41	0.027	0.010	3.28	2.68	15.19	40.27	51.68	0.045	0.455	16.85
164	4	19	3	1	D		6/10/2004	R	Toa Vaca	Toa Vaca 03 sec 5 frente represa	.	.	.	2.60	.	0.41	0.026	0.010	3.28	2.80	15.88	40.68	50.85	0.020	0.425	16.67
165	5	1	1	1	D		8/17/2004	E	Curias	Las Curias-01-sec 3 entrada	.	.	.	0.50	.	0.40	0.035	0.010	4.29	2.56	11.43	39.82	55.42	0.055	0.455	13.00
166	5	1	3	1	D		8/17/2004	R	Curias	Las Curias-02-sec 4 represa	.	.	.	0.50	.	0.74	0.035	0.010	3.99	2.35	21.14	38.98	55.42	.	.	.
167	5	2	1	1	D		8/24/2004	E	La Plata	La Plata-01-sec 1- entrada 44400	.	.	.	0.90	.	0.65	0.085	0.010	3.64	4.67	7.63	45.71	68.13	0.145	0.790	9.35
168	5	2	3	1	D		8/24/2004	R	La Plata	La Plata-02-sec 3 -represa-44950	.	.	.	2.00	.	0.35	0.030	0.010	3.20	2.43	11.67	39.31	53.20	0.040	0.390	13.00
169	5	3	1	1	D		8/24/2004	E	Carraizo	Carraizo-01-sec 2 57500	.	.	.	0.50	.	1.01	0.234	0.240	5.03	1.80	4.32	36.37	82.82	0.870	1.880	8.03
170	5	3	2	1	D		8/24/2004	C	Carraizo	Carraizo-02-58800 centro lago	.	.	.	0.50	.	0.72	0.097	0.048	5.39	82.87	7.42	73.93	70.12	0.100	0.820	8.45
171	5	4	1	1	D		8/23/2004	E	Carite	Carite-01 sec 1 desemb rio plata 3990	.	.	.	0.90	.	0.24	0.022	0.010	2.52	3.59	10.91	43.14	48.72	0.022	0.262	11.91
172	5	4	3	1	D		8/23/2004	R	Carite	Carite-02 sec 4 represa 39950	.	.	.	1.20	.	0.26	0.020	0.010	2.67	2.41	13.00	39.23	47.35	0.032	0.292	14.60
173	5	5	1	1	W		8/17/2004	E	Patillas	Patillas entrada rio patillas - 89022	.	.	.	1.30	.	0.27	0.025	0.010	1.89	1.54	11.08	34.84	50.37	0.033	0.306	12.42
174	5	5	2	1	W		8/17/2004	C	Patillas	Patillas-03 sec 5-centro 89023	.	.	.	1.60	.	0.27	0.025	0.010	1.97	3.27	10.80	42.22	50.57	0.029	0.299	11.96
175	5	5	3	1	W		8/17/2004	R	Patillas	Patillas-04 sec 7- represa	.	.	.	1.90	.	0.30	0.050	0.010	1.75	2.14	6.00	38.06	60.56	0.020	0.320	6.40
176	5	6	1	1	D		8/10/2004	E	Guayo	Guayo-01 sec 2 89004 near rio	.	.	.													

sampleno	samplevent	lake#	station	Rep	Condition	10 DBS	Samp Date	location	lakename	Sample Description	temp(°C)	pH	CE	Sechi	DO	TKN (mg/L)	TP(mg/L)	DP (mg/L)	DOC (mg/L)	Chl a (ug/L)	TKN/TP (mg/L)	TSiChI	TSiTP	NO3 ppm	TN ppm	TN/TP
188	5	10	2	1	D		8/17/2004	C	Cidra	Cidra-02 sec 4 center 89030	.	.	.	0.90	.	0.39	0.041	0.010	4.14	4.81	9.51	46.01	57.70	0.022	0.412	10.05
189	5	10	3	1	D		8/17/2004	R	Cidra	Cidra-03 sec 6 dam 89031	.	.	.	1.30	.	1.12	0.035	0.010	3.91	2.76	32.00	40.56	55.42	.	.	.
190	5	11	1	1	W		8/9/2004	E	Guineo	Guineo est 1 sec 1 desemb. Toro negro	.	.	.	1.50	.	0.52	0.039	0.010	2.53	5.66	13.33	47.60	56.98	0.026	0.546	14.00
191	5	11	3	1	W		8/9/2004	R	Guineo	Guineo est 2 sec 3 represa	.	.	.	2.00	.	0.37	0.031	0.010	1.85	8.95	11.94	52.10	53.67	0.017	0.387	12.48
192	5	12	1	1	D		8/25/2004	E	Guajataca	Guajataca 10720 sec1 entrada	.	.	.	3.00	.	0.45	0.028	0.010	2.30	2.75	16.07	40.52	52.20	0.100	0.550	19.64
193	5	12	3	1	D		8/25/2004	R	Guajataca	Guajataca 10790 sec3 represa	.	.	.	3.00	.	0.17	0.032	0.010	2.31	1.38	5.31	33.76	54.13	0.028	0.198	6.19
194	5	13	1	1	W		8/25/2004	E	Dos Bocas	Dos Bocas 25110sec3	.	.	.	0.20	.	0.35	0.204	0.073	2.78	48.33	1.70	68.64	80.80	.	.	.
195	5	13	3	1	W		8/25/2004	R	Dos Bocas	Dos Bocas 27090 sec6 represa	.	.	.	1.50	.	0.38	0.053	0.010	2.04	6.86	7.17	49.49	61.40	.	.	.
196	5	14	2	1	.		8/19/2004	C	Melania	Melania sec 2 centro	.	.	.	0.50	.	0.55	0.047	0.010	3.99	3.51	11.70	42.92	59.67	0.093	0.643	13.68
197	5	15	3	1	D		8/11/2004	R	Loco	Loco represa 89021 sec2	.	.	.	0.50	.	0.60	0.046	0.010	2.67	3.80	13.04	43.70	59.36	0.210	0.810	17.61
198	5	16	1	1	D		8/12/2004	E	Luchetti	Luchetti 01 sec 1 entrada 89017	.	.	.	0.70	.	0.59	0.028	0.010	2.35	13.37	21.07	56.03	52.20	0.200	0.790	28.21
199	5	16	2	1	D		8/12/2004	C	Luchetti	Luchetti 02 sec 3 centro 89018	.	.	.	1.50	.	0.53	0.026	0.010	2.15	9.93	20.38	53.12	51.13	0.280	0.810	31.15
200	5	16	3	1	D		8/12/2004	R	Luchetti	Luchetti 03 sec 5 represa 89019	.	.	.	1.18	.	0.75	0.023	0.010	2.10	30.80	32.61	64.22	49.36	0.310	1.060	46.09
201	5	17	1	1	D		8/23/2004	R	Garzas	Garzas 20050 - sec 2	.	.	.	1.50	.	0.41	0.036	0.010	2.45	5.94	11.25	48.08	55.82	0.136	0.541	15.03
202	5	19	1	1	D		8/19/2004	E	Toa Vaca	Toa Vaca 01 sec 1 entrada 89014	.	.	.	1.00	.	0.40	0.064	0.010	3.12	5.00	6.25	46.38	64.12	0.020	0.420	6.56
203	5	19	2	1	D		8/19/2004	C	Toa Vaca	Toa Vaca 02 sec 3 centro 89015	.	.	.	3.00	.	0.50	0.041	0.010	2.87	2.14	12.20	38.06	57.70	.	.	.
204	5	19	3	1	D		8/19/2004	R	Toa Vaca	Toa Vaca 03 sec 5 frente represa 890	.	.	.	2.30	.	0.94	0.138	0.010	2.92	1.28	6.81	33.02	75.20	.	.	.
205	6	1	1	1	W		11/18/2004	E	Curias	Las Curias-01-sec 3 entrada	.	.	.	0.50	5.18	0.80	0.052	0.014	7.54	6.39	15.46	48.79	61.13	.	.	.
206	6	1	3	1	W		11/18/2004	R	Curias	Las Curias-02-sec 4 represa	.	.	.	0.65	5.6	0.70	0.049	0.012	8.29	1.29	14.35	33.10	60.27	.	.	.
207	6	2	1	1	D		12/6/2004	E	La Plata	La Plata-01-sec 1- entrada 44400	.	.	.	1.00	7.38	0.35	0.060	0.025	2.35	19.22	5.85	59.60	63.19	.	.	.
208	6	2	3	1	D		12/6/2004	R	La Plata	La Plata-02-sec 3 -represa-44950	.	.	.	0.76	9.75	0.27	0.059	0.021	3.32	14.51	4.64	56.84	62.95	.	.	.
209	6	3	1	1	D		12/6/2004	E	Carraizo	Carraizo-01-sec 2 57500	.	.	.	0.50	.	1.08	0.985	0.150	3.60	.	1.10	.	103.54	.	.	.
210	6	3	2	1	D		12/6/2004	C	Carraizo	Carraizo-02-58800 centro lago	.	.	.	.	.	0.28	0.047	0.015	3.59	11.72	5.98	54.75	59.67	.	.	.
211	6	4	1	1	D		12/7/2004	E	Carite	Carite-01 sec 1 desemb rio plata 39900	.	.	.	1.00	6.2	0.24	0.015	0.010	2.13	1.17	16.86	32.14	42.71	.	.	.
212	6	4	3	1	D		12/7/2004	R	Carite	Carite-02 sec 4 represa 39500	.	.	.	1.00	5.8	0.22	0.014	0.010	2.01	2.12	15.71	37.97	42.21	.	.	.
213	6	5	1	1	D		12/9/2004	E	Patillas	Patillas entrada rio patillas - 89022	.	.	.	1.50	6.61	0.24	0.016	0.010	1.70	1.93	14.84	37.05	44.13	.	.	.
214	6	5	2	1	D		12/9/2004	C	Patillas	Patillas-03 dique-centro 89023	.	.	.	1.00	7.49	0.19	0.021	0.010	1.78	3.85	8.90	43.82	48.05	.	.	.
215	6	5	3	1	D		12/9/2004	R	Patillas	Patillas-04 sec 7- represa	.	.	.	1.00	7.5	0.28	0.015	0.010	1.78	2.31	18.87	38.81	43.20	.	.	.
216	6	6	1	1	D		12/1/2004	E	Guayo	Guayo-01 sec 2 89004 near rio	.	.	.	0.70	6.56	0.60	0.061	0.010	2.71	25.42	9.89	62.34	63.43	.	.	.
217	6	6	2	1	D		12/1/2004	C	Guayo	Guayo-02 sec 4 89005 center	.	.	.	0.70	8.51	0.57	0.044	0.010	2.82	23.13	13.00	61.41	58.72	.	.	.
218	6	6	3	1	D		12/1/2004	R	Guayo	Guayo Represa est 3 sec 6	.	.	.	0.70	6.6	0.49	0.034	0.010	2.92	19.48	14.26	59.73	55.00	.	.	.
219	6	7	1	1	D		12/1/2004	E	Caonillas	Caonillas-01-sec 2 89002	.	.	.	0.50	5.87	0.71	0.073	0.013	3.14	52.26	9.66	69.41	66.02	.	.	.
220	6	7	2	1	D		12/1/2004	C	Caonillas	Caonillas-02-sec 5 centro	.	.	.	0.80	7.84	0.81	0.083	0.010	3.02	27.44	9.71	63.09	67.87	.	.	.
221	6	7	3	1	D		12/1/2004	R	Caonillas	Caonillas-03 sec 8 represa	.	.	.	0.80	7.97	0.63	0.051	0.010	2.97	28.88	12.43	63.59	60.85	.	.	.
222	6	8	1	1	.		11/30/2004	E	Matrullas	Matrullas-01 sec 2 entrada	.	.	.	2.00	7.9	0.38	0.049	0.020	1.74	7.99	7.65	50.99	60.27	.	.	.
223	6	8	3	1	.		11/30/2004	R	Matrullas	Matrullas-02 sec 5-represa	.	.	.	2.50	8.26	0.40	0.041	0.010	1.77	21.44	9.75	60.67	57.52	.	.	.
224	6	9	1	1	D		12/2/2004	E	Cerrillo	Cerrillo-01 entrada 89032	.	.	.	2.00	5.95	0.27	0.026	0.010	1.95	3.47	10.42	42.81	51.13	.	.	.
225	6	9	2	1	D		12/2/2004	C	Cerrillo	Cerrillo 02 sec 5 centro 89033	.	.	.	2.50	5.2	0.16	0.019	0.010	2.04	1.92	8.37	37.00	46.61	.	.	.
226	6	9	3	1	D		12/2/2004	R	Cerrillo	Cerrillo- 03 sec 8 represa 89034	.	.	.	3.00	5.5	0.18	0.016	0.010	1.88	4.08	11.38	44.38	44.13	.	.	.
227	6	10	1	1	D		11/16/2004	E	Cidra	Cidra-01 sec 3-89029	.	.	.	0.30	4.4	0.46	0.084	0.021	6.33	11.22	5.49	54.32	68.04	.	.	.
228	6	10	2	1	D		11/16/2004	C	Cidra	Cidra-02 sec 4 center 89030	.	.	.	0.10	5.5	0.79	0.088	0.036	6.85	5.43	8.93	47.20	68.71	.	.	.
229	6	10	3	1	D		11/16/2004	R	Cidra	Cidra-03 sec 6 dam 89031	.	.	.	0.10	4.5	0.63	0.076	0.037	7.26	1.81	8.30	36.42	66.60	.	.	.
230	6	11	1	1	D		11/30/2004	E	Guineo	Guineo est 1 89007 desemb. Toro negro	.	.	.	2.00	7.8	0.79	0.043	0.011	3.93	38.57	18.40	66.43	58.39	.	.	.
231	6	11	3	1	D		11/30/2004	R	Guineo	Guineo est 2 89008 represa	.	.	.	2.00	7.58	0.27	0.021	0.010	3.09	3.65	12.62	43.30	48.05	.	.	.
232	6	12	1	1	D		12/8/2004	E	Guajataca	Guajataca 10720 sec1 entrada	.	.	.	2.75	6.64	0.27	0.016	0.010	2.07	3.53	17.61	42.96	43.67	.	.	.
233	6	12	3	1	D		12/8/2004	R	Guajataca	Guajataca 10790 sec3 represa	.	.	.	2.75	8.14	0.26	0.015	0.010	2.03	3.92	17.53	44.00	43.20	.	.	.
234	6	13	1	1	D		12/8/2004	E	Dos Bocas	Dos Bocas 25110sec3	.	.	.	1.00	6.85	0.45	0.121	0.024	1.07	30.97	3.71	64.28	73.31	.	.	.
235	6	13	3	1	D		12/8/2004	R	Dos Bocas	Dos Bocas 27090 sec6 represa	.	.	.	1.00	7.8	0.34	0.041	0.006	1.30	7.16	8.22	49.91	57.70	.	.	.
236	6	14	2	1	D		12/9/2004	C	Melania	Melania sec 2 centro	.	.	.	0.50	7.7	0.39	0.038	0.010	3.50	2.55	10.36	39.76	56.60	.	.	.
237	6	15	1	1	D		11/29/2004	E	Loco	Loco est 1 89020 sec 2	.	.	.	0.10	4.9	0.42	0.127	0.060	6.23	8.22	3.30	51.27	74.00	.	.	.
238	6	15	3	1	D		11/29/2004	R	Loco	Loco represa 89021 sec5	.	.	.	1.00	8.85	0.37	0.030	0.010	1.91	7.90	12.25	50.88	53.20	.	.	.
239	6	16	1	1	D		11/29/2004	E	Luchetti	Luchetti 01 sec 1 entrada 89017	.	.	.	0.61	13.9	0.69	0.097	0.014	2.13	45.11	7.14	67.97	70.12	.	.	.
240	6	16	2	1	D		11/29/2004	C	Luchetti	Luchetti 02 sec 4 centro 89018	.	.	.	0.91	.	0.52	0.033	0.010	2.02	7.37	15.88	50.19	54.57	.	.	.
241	6	16	3	1	D		11/29/2004	R	Luchetti	Luchetti 03 sec 7 represa 89019	.	.	.	1.22	.	0.46	0.026	0.010	1.84	7.06	17.69	49.77	51.13	.	.	.
242	6	17	3	1	D		12/7/2004	R	Garzas	Garzas 20050 - sec 2	.	.	.	4.00	4.29	0.31	0.028	0.010	1.13	7.38	10.93	50.21	52.20	.	.	.
243	6	19	1	1	D		11/17/2004	E	Toa Vaca	Toa Vaca 01 sec 1 entrada 89014	.	.	.	1.75	7.8	0.41	0.033	0.011	3.25	6.21	12.36	48.51	54.57	.	.	.
244	6	19	2	1	D		11/17/2004	C	Toa Vaca	Toa Vaca 02 sec 4 centro 89015	.	.	.	2.50	7.56	0.37	0.041	0.010	3.15	5.04	8.93	46.47	57.70	.		

sampleno	samplevent	lake#	station	Rep	Condition	10 DBS	Samp Date	location	lakename	Sample Description	temp(°C)	pH	CE	Secchi	DO	TKN (mg/L)	TP(mg/L)	DP (mg/L)	DOC (mg/L)	Chl a (ug/L)	TKN/TP (mg/L)	TSIChl	TSITP	NO3 ppm	TN ppm	TN/TP
252	7	4	1	1	D		3/9/2005	E	Carite	Carite-01 sec 1 desemb rio plata 39900				1.00	7.9	0.78	0.016	0.010	2.96	1.83	48.75	36.53	44.13	0.112	0.892	55.75
253	7	4	3	1	D		3/9/2005	R	Carite	Carite-02 sec 4 represa 39500				2.00	8	0.23	0.011	0.010	2.50	1.20	21.27	32.39	38.73	0.152	0.386	35.09
254	7	5	1	1	D		3/11/2005	E	Patillas	Patillas entrada rio patillas - 89022				0.70	5.86	0.17	0.013	0.010	2.76	0.56	13.96	24.91	40.57	0.097	0.272	21.74
255	7	5	2	1	D		3/11/2005	C	Patillas	Patillas-03 dique-centro 89023				2.00	5.8	0.15	0.013	0.000	2.55	0.36	11.85	20.58	41.14	0.007	0.161	12.35
256	7	5	3	1	D		3/11/2005	R	Patillas	Patillas-04 sec 7- represa				1.50	5.6	0.13	0.009	0.010	2.60	1.03	14.56	30.89	35.83	0.094	0.225	25.04
257	7	6	1	1	D		3/2/2005	E	Guayo	Guayo-01 sec 2 89004 near rio				1.00	8.2	0.37	0.037	0.010	2.45	2.02	9.92	37.50	56.22	0.331	0.698	18.86
258	7	6	2	1	D		3/2/2005	C	Guayo	Guayo-02 sec 4 89005 center				1.00	8.05	0.53	0.022	0.010	2.29	1.03	24.00	30.89	48.72	0.375	0.903	41.05
259	7	6	3	1	D		3/2/2005	R	Guayo	Guayo Represa est 3 sec 6				1.00	8.1	0.47	0.019	0.000	1.91	2.04	24.53	37.59	46.61	0.331	0.797	41.95
260	7	7	1	1	D		3/4/2005	E	Caonillas	Caonillas-01-sec 2 89001-Near rio				1.00	6.02	0.29	0.025	0.010	2.25	2.34	11.76	38.94	50.57	0.245	0.539	21.56
261	7	7	2	1	D		3/4/2005	C	Caonillas	Caonillas-02-89002 sec 5 centro				1.50	5.06	0.43	0.025	0.000	2.26	2.01	17.04	37.45	50.57	0.231	0.657	26.28
262	7	7	3	1	D		3/4/2005	R	Caonillas	Caonillas-03 - 89003 sec 8 represa				1.00	6	0.31	0.021	0.000	2.27	1.68	14.95	35.69	48.05	0.176	0.490	23.33
263	7	8	1	1	D		3/4/2005	E	Matrullas	Matrullas-01 sec 2- 89009 entrada				1.00	8.05	0.39	0.025	0.010	1.87	2.97	15.88	41.26	50.27	0.024	0.413	16.87
264	7	8	3	1	D		3/4/2005	R	Matrullas	Matrullas-02 sec 5- 89010- represa				1.00	8.2	0.28	0.016	0.010	1.70	3.11	17.31	41.73	44.13	.	.	.
265	7	9	1	1	D		3/4/2005	E	Cerrillo	Cerrillo-01 entrada 89032				1.50	6.29	0.53	0.043	0.010	2.20	2.72	12.56	40.40	58.22	0.039	0.573	13.48
266	7	9	2	1	D		3/4/2005	C	Cerrillo	Cerrillo 02 sec 5 centro 89033				1.80	6.1	0.52	0.022	0.010	1.92	1.15	23.73	31.97	48.72	.	.	.
267	7	9	3	1	D		3/4/2005	R	Cerrillo	Cerrillo- 03 sec 8 represa 89034				1.80	5.39	0.31	0.013	0.000	1.89	0.62	24.08	25.91	41.14	0.045	0.358	27.51
268	7	10	1	1	D		2/25/2005	E	Cidra	Cidra-01 sec 3-89029				0.75	6.6	0.42	0.035	0.012	5.13	0.68	11.87	26.74	55.42	0.246	0.661	18.89
269	7	10	2	1	D		2/25/2005	C	Cidra	Cidra-02 sec 4 center 89030				1.00	6.7	0.41	0.032	0.010	5.01	0.18	12.91	13.78	54.13	0.280	0.693	21.66
270	7	10	3	1	D		2/25/2005	R	Cidra	Cidra-03 sec 6 dam 89031				1.00	4.9	0.37	0.019	0.010	4.58	0.97	19.63	30.30	46.61	0.376	0.749	39.42
271	7	11	1	1	D		3/4/2005	E	Guineo	Guineo est 1 89007 desemb. Toro negro				.	8	0.83	0.058	0.016	3.83	6.05	14.28	48.26	62.70	0.016	0.844	14.55
272	7	11	3	1	D		3/4/2005	R	Guineo	Guineo est 2 89008represa				.	6.3	0.42	0.023	0.010	2.85	3.47	18.04	42.81	49.36	0.021	0.436	18.94
273	7	12	1	1	D		3/9/2005	E	Guajataca	Guajataca 10720 sec1 entrada				1.50	9.84	0.37	0.015	0.010	3.27	0.87	24.87	29.23	43.20	0.021	0.394	26.29
274	7	12	3	1	D		3/9/2005	R	Guajataca	Guajataca 10790 sec3 represa				1.50	10.22	0.29	0.014	0.010	3.29	1.33	20.79	33.40	42.21	.	.	.
275	7	13	1	1	D		3/9/2005	E	Dos Bocas	Dos Bocas 25110sec3				0.50	6.25	0.57	0.091	0.014	2.58	1.90	36.87	69.20	0.413	0.978	10.74	
276	7	13	3	1	D		3/9/2005	R	Dos Bocas	Dos Bocas 27090 sec6 represa				.	4.7	0.64	0.024	0.010	2.71	2.02	26.75	37.50	49.98	0.144	0.786	32.75
277	7	14	2	1	D		3/16/2005	C	Melania	Melania sec 2 centro-89026				0.50	7.01	0.15	0.020	0.010	2.76	5.92	7.67	48.05	46.98	0.041	0.190	9.75
278	7	15	3	1	D		3/18/2005	R	Loco	Loco represa 89021 sec5				1.00	6	0.27	0.027	0.010	1.77	12.29	9.91	55.21	51.68	0.270	0.538	19.91
279	7	16	1	1	D		3/18/2005	E	Luchetti	Luchetti 01 sec 1 entrada 89017				0.60	6.32	0.53	0.045	0.010	2.44	38.15	11.73	66.32	59.04	0.108	0.636	14.13
280	7	16	2	1	D		3/18/2005	C	Luchetti	Luchetti 02 sec 4 centro 89018				0.91	6.3	0.53	0.025	0.016	1.76	19.68	21.08	59.83	50.57	0.102	0.629	25.16
281	7	16	3	1	D		3/18/2005	R	Luchetti	Luchetti 03 sec 7 represa 89019				0.91	5.9	0.43	0.025	0.010	1.72	32.30	17.16	64.69	50.57	0.120	0.549	21.96
282	7	17	3	1	D		3/9/2005	R	Garzas	Garzas 20050 - sec 2				1.00	8.9	0.21	0.019	0.010	1.79	1.24	11.30	32.67	46.22	0.136	0.345	18.65
283	7	18	2	1	D		3/3/2005	C	Guayabal	Guayabal - centro del lago				1.00	8.1	0.19	0.035	0.010	2.47	1.55	5.37	34.90	55.42	0.016	0.204	5.83
284	7	18	3	1	D		3/3/2005	R	Guayabal	Guayabal - represa				1.00	8.35	0.33	0.027	0.010	2.17	0.67	12.04	26.67	51.68	0.021	0.346	12.83
285	7	19	1	1	D		3/11/2005	E	Toa Vaca	Toa Vaca 01 sec 1 entrada 89014				0.75	7.5	0.31	0.061	0.015	4.84	2.29	5.17	38.71	63.31	0.083	0.396	6.54
286	7	19	2	1	D		3/11/2005	C	Toa Vaca	Toa Vaca 02 sec 4 centro 89015				1.50	8.7	0.23	0.032	0.010	4.82	1.11	7.19	31.62	54.13	0.100	0.330	10.31
287	7	19	3	1	D		3/11/2005	R	Toa Vaca	Toa Vaca 03 sec 7 frente represa 89016				1.75	8.46	0.19	0.051	0.020	5.51	1.33	3.65	33.40	60.85	0.017	0.203	3.98
288	8	1	1	1	D		6/10/2005	E	Curias	Las Curias-89027 entrada	7.60			1.50	5.6	0.38	0.018	0.010	4.79	3.04	20.89	41.51	45.83	0.026	0.402	22.33
289	8	1	3	1	D		6/10/2005	R	Curias	Las Curias-89023-sec 4 represa	7.80			3.00	6.34	0.34	0.015	0.010	4.62	2.65	22.73	40.16	43.20	0.027	0.368	24.53
290	8	2	1	1	D		6/17/2005	E	La Plata	La Plata-01-sec 1- entrada 44400	9.05			1.50	10.1	0.62	0.059	0.010	3.71	9.31	10.51	52.49	62.95	0.023	0.643	10.89
291	8	2	3	1	D		6/17/2005	R	La Plata	La Plata-02-sec 3 -represa-44950	8.89			1.50	9	0.58	0.032	0.010	4.15	3.32	18.43	42.37	53.90	0.055	0.635	20.17
292	8	3	1	1	D		6/17/2005	E	Carraizo	Carraizo-01-sec 2 57500	7.36			0.50	5.2	1.47	0.231	0.194	6.84	6.65	6.37	49.19	82.63	0.769	2.240	9.70
293	8	3	2	1	D		6/17/2005	C	Carraizo	Carraizo-02-58800 centro lago	8.30			1.50	11.83	0.97	0.074	0.010	6.30	9.95	13.15	53.14	66.21	0.121	1.094	14.78
294	8	4	1	1	W		6/8/2005	E	Carite	Carite-01 sec 1 desemb rio plata 39900	7.26			0.50	5.9	0.28	0.014	0.010	1.94	3.19	19.64	41.98	42.21	0.042	0.317	22.66
295	8	4	3	1	W		6/8/2005	R	Carite	Carite-02 sec 4 represa 39500	7.25			1.50	6.65	0.33	0.012	0.010	1.74	6.43	27.75	48.86	39.98	0.054	0.387	32.24
296	8	5	1	1	W		6/10/2005	E	Patillas	Patillas entrada rio patillas - 89022	8.48			1.50	7.39	0.29	0.016	0.010	2.51	4.29	18.13	44.87	44.13	0.011	0.301	18.81
297	8	5	2	1	W		6/10/2005	C	Patillas	Patillas-03 dique-centro 89023	8.85			1.50	7.36	0.29	0.017	0.010	2.11	3.48	16.94	42.83	45.00	0.018	0.306	18.00
298	8	5	3	1	W		6/10/2005	R	Patillas	Patillas-04 sec 7- represa	8.82			1.50	7.83	0.31	0.016	0.010	2.22	2.99	19.38	41.34	44.13	0.023	0.333	20.81
299	8	6	1	1	D		6/20/2005	E	Guayo	Guayo-01 sec 2 89004 near rio	8.64			1.00	14.63	0.65	0.019	0.000	2.47	4.57	33.95	45.51	46.61	0.023	0.668	35.16
300	8	6	2	1	D		6/20/2005	C	Guayo	Guayo-02 sec 4 89005 center	8.95			1.00	9.55	0.61	0.018	0.000	2.42	4.55	33.72	45.46	45.83	0.012	0.619	34.36
301	8	6	3	1	D		6/20/2005	R	Guayo	Guayo Represa est 3 sec 6	9.01			1.00	9.07	0.42	0.015	0.010	2.24	4.40	27.73	45.13	43.20	0.002	0.418	27.89
302	8	7	1	1	D		6/13/2005	E	Caonillas	Caonillas-01-sec 2 89001-Near rio	7.41			1.00	8.78	0.37	0.044	0.013	2.11	21.54	8.34	60.72	58.72	0.025	0.392	8.91
303	8	7	2	1	D		6/13/2005	C	Caonillas	Caonillas-02-89002 sec 5 centro	8.69			1.50	9.1	0.45	0.045	0.010	2.71	26.64	10.04	62.80	59.04	0.026	0.478	10.63
304	8	7	3	1	D		6/13/2005	R	Caonillas	Caonillas-03 - 89003 sec 8 represa	8.76			1.50	7.05	0.46	0.025	0.010	2.53	4.98	18.96	46.35	50.27	0.023	0.488	1

sampleno	sampleevent	lake#	station	Rep	Condition	10 DBS	Samp Date	location	lakename	Sample Description	temp(°C)	pH	CE	Secchi	DO	TKN (mg/L)	TP(mg/L)	DP (mg/L)	DOC (mg/L)	Chl a (ug/L)	TKN/TP (mg/L)	TSIChl	TSITP	NO3 ppm	TN ppm	TN/TP
316	8	12	3	1	D		6/7/2005	R	Guajataca	Guajataca 10790 sec3 represa	7.90			2.00	8.1	0.42	0.025	0.010	2.39	5.23	16.88	46.83	50.57	0.016	0.438	17.54
317	8	13	1	1	D		6/7/2005	E	Dos Bocas	Dos Bocas 25110sec3	9.51			0.60	11.82	1.02	0.089	0.012	2.39	38.61	11.44	66.44	68.88	0.226	1.244	13.97
318	8	13	3	1	D		6/7/2005	R	Dos Bocas	Dos Bocas 27090 sec6 represa	9.33			0.60	10.92	1.04	0.190	0.010	2.36	12.60	5.47	55.46	79.81	0.216	1.256	6.61
319	8	14	2	1	W		6/9/2005	C	Melania	Melania sec 2 centro-89026	7.23			0.25	7.4	0.46	0.017	0.010	4.51	4.76	27.29	45.90	45.00	0.343	0.807	47.44
320	8	15	3	1	D		6/15/2005	R	Loco	Loco represa 89021 sec5	8.02			1.00	9.62	1.37	0.035	0.010	2.65	7.93	39.26	50.91	55.42	0.207	1.581	45.17
321	8	16	1	1	D		6/15/2005	E	Luchetti	Luchetti 01 sec 1 entrada 89017	8.35			0.50	13	0.64	0.089	0.010	3.54	35.10	7.18	65.51	68.88	0.002	0.641	7.20
322	8	16	2	1	D		6/15/2005	C	Luchetti	Luchetti 02 sec 4 centro 89018	8.74			1.00	10.6	0.58	0.032	0.010	2.26	22.08	18.35	60.96	53.90	0.024	0.602	19.11
323	8	16	3	1	D		6/15/2005	R	Luchetti	Luchetti 03 sec 7 represa 89019	8.84			1.00	10.39	0.60	0.038	0.010	2.25	18.72	15.79	59.34	56.60	0.006	0.606	15.94
324	8	17	3	1	W		6/8/2005	R	Garzas	Garzas 20050 - sec 2	9.14			1.75	9.68	0.47	0.015	0.010	1.83	4.40	32.41	45.13	42.71	0.036	0.506	34.91
325	8	18	2	1	D		6/6/2005	C	Guayabal	Guayabal - centro del lago	7.81			0.75	7.23	0.47	0.021	0.010	2.63	4.88	22.48	46.15	48.05	0.032	0.504	24.01
326	8	18	3	1	D		6/6/2005	R	Guayabal	Guayabal - represa	8.75			1.25	8.46	0.73	0.029	0.010	2.80	47.28	25.28	68.43	52.71	0.005	0.738	25.46
327	8	19	1	1	D		6/6/2005	E	Toa Vaca	Toa Vaca 01 sec 1 entrada 89014	8.69			1.00	7.55	0.68	0.067	0.018	2.99	23.46	10.12	61.55	64.78	0.004	0.682	10.18
328	8	19	2	1	D		6/6/2005	C	Toa Vaca	Toa Vaca 02 sec 4 centro 89015	8.72			1.50	7.63	0.53	0.022	0.010	3.37	4.43	23.91	45.20	48.72	0.090	0.616	27.99
329	8	19	3	1	D		6/6/2005	R	Toa Vaca	Toa Vaca 03 sec 7 frente represa 89016	8.86			1.50	7.9	0.49	0.044	0.010	2.88	3.61	11.07	43.19	58.72	0.026	0.513	11.67