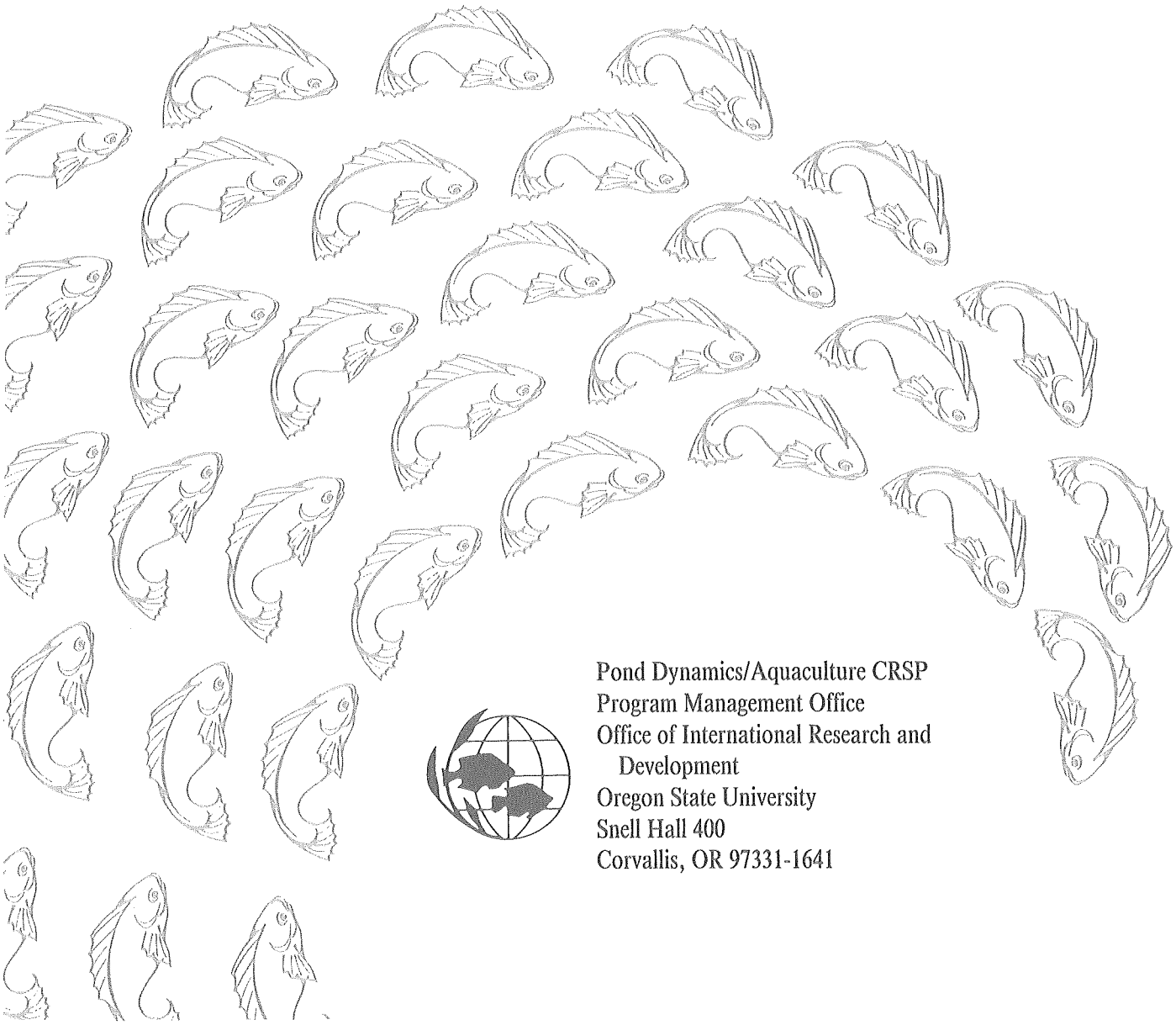
Pond Dynamics/Aquaculture Collaborative Research Data Reports

Volume Eight, Number Two
Aguadulce, Panama Project

Cycle II of the CRSP Global Experiment



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POND DYNAMICS/AQUACULTURE COLLABORATIVE RESEARCH DATA REPORTS

Volume Eight, Number Two.
Aguadulce, Panama: Cycle II of The Global Experiment

June 28, 1991

Data compiled by

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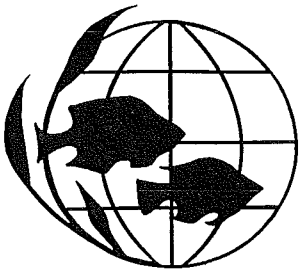

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In collaboration with Auburn University and the
Dirección Nacional de Acuicultura, Panama

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ACKNOWLEDGEMENT

Primary funding for the activities of the Pond Dynamics/Aquaculture Collaborative Research Support Program has been provided by the United States Agency for International Development under grant numbers DAN-4023-G-SS-2074-00, DAN-4023-G-SS-7066-00, and DAN-4023-G-00-0031-00.

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FOREWORD

The Pond Dynamics/Aquaculture Collaborative Research Support Program (PD/A CRSP) represents an international community of researchers and institutions dedicated to strengthening health and nutrition in developing countries by improving the efficiency of pond aquaculture systems. It is one of several agricultural CRSPs supported by the U.S. Agency for International Development under the authority of Title XII of the International Development and Food Assistance Act of 1975.

The "Global Experiment" in Pond Dynamics/Aquaculture is the major CRSP research activity, covering the period from 1982 to 1987. The Global Experiment was designed to quantitatively describe the physical, chemical and biological principles of pond culture systems. The information gained from the Global Experiment will be used to improve production technologies and develop quantitative production functions to facilitate rigorous economic analyses of aquaculture systems.

Standardization is a key element of the Global Experiment. Standardization permits the comparison of data from diverse geographic locations. The experimental design involves monitoring specified environmental and fish production variables in accordance with standardized work plans in twelve or more ponds at each of seven geographical locations. The variables observed, frequency of observation, and materials and methods are uniform for all locations. The field data are filed in a centralized data base, called the CRSP Central Data Base. Statistical methods will be used to test hypotheses about correlations between variables and to evaluate the sources of variance within ponds, between ponds within locations, and between locations.

The CRSP Central Data Base will be used to develop predictive models of the processes occurring in pond culture systems. The models will be used to provide guidance for ongoing and future research, to predict the performance of existing and proposed pond systems subject to specific inputs and constraints, and to improve the operation and efficiency of pond culture systems.

The Global Experiment includes three cycles of experiments. Each cycle consists of two series of observations, one during the dry season and one during the wet season. The objective of the first cycle is to create a detailed baseline of chemical, physical, and biological data on all ponds treated with a standard level of inorganic fertilizer. In the second experimental cycle, ponds treated with inorganic fertilizer are compared to ponds treated with organic fertilizer. In the third cycle, the responses of ponds to different levels of organic fertilizer are compared.

The goal of the Pond Dynamics/Aquaculture Collaborative Research Data Reports (referred to as Data Reports) is to record the CRSP Central Data Base and to present interpretations of site specific results. The Pond Dynamics/Aquaculture CRSP has conducted the Global Experiment at seven project sites in six developing countries: Thailand, Indonesia, the Philippines, Panama, Honduras, and Rwanda. The first volume of these reports provides descriptive information for each CRSP site. It presents the physical characteristics of each site, including a geographical sketch, climatology, and water and soil analyses. Experimental cycles are described in CRSP Work Plans One to Three, which are summarized in the first volume.

Volume One will serve as the reference volume for the entire report series. Subsequent volumes will focus on each site separately. Each Data Report will include one cycle (wet and dry seasons) of the Pond Dynamics/Aquaculture CRSP Global Experiment. Therefore, with few exceptions, each project site will have three Data Reports devoted to it, representing the results of the three cycles of the Global Experiment. In addition to the hard copy of experimental data published as a part of each Data Report, data are also available from the PD/A CRSP in electronic form (on diskette) for computer analysis. Cycle II of the Global Experiment in Aguadulce, Panama is presented in this volume.

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UNITS OF MEASUREMENT AND ABBREVIATIONS USED IN THE APPENDIX TABLES

Daily Weather Measurements:

- SOLAR1 (solar radiation) ..... $E/m^2/d$
- SOLAR2 (solar radiation) ..... $cal/cm^2/d$
- RAIN (rainfall) ..... cm/d
- WIND (wind speed) ..... km/hr
- ATEMPMAX (max air temperature) ..... °C
- ATEMPMIN (min air temperature) ..... °C
- EVAP (evaporation) ..... mm/d

Daily Pond Measurements:

- DEPTH ..... m
- INFLOW ..... m^3/hr
- OVERFLOW ..... Y/N
- "nil" ..... *Oreochromis niloticus*
- SALINITY ..... ppt

Intensive Sampling Measurements:

- All DO (dissolved oxygen) ..... mg/L
- All TEMP (temperature) ..... °C
- ALKA (alkalinity) ..... mg/L (as $CaCO_3$)
- HARD (total hardness) ..... mg/L (as $CaCO_3$)
- All N (Kjeldahl, NO_2, NO_3, Total) ..... mg/L
- All P (Total, Ortho-PO_4) ..... mg/L
- SECCHI DISK ..... cm
- CHLOROPHYLL *a*, *b*, or *c* ..... mg/m^3

Diurnal Measurements:

- All DO (dissolved oxygen) ..... mg/L
- All TEMP (temperature) ..... °C

Fish/Shrimp Stocking, Sampling, and Harvesting:

- "STK" ..... stocking
- "SAM" ..... sampling
- "HAR" ..... harvesting
- "nil" ..... *Oreochromis niloticus*
- "VAN" ..... *Penaeus vannamei*
- POP. WEIGHT ..... kg
- SAMPLE LENGTH ..... cm
- REPROD. WEIGHT ..... kg

Plankton and Benthos:

- NET (PRIMARY) PRODUCTION ..... mg $C/m^3/d$
- GROSS (PRIMARY) PRODUCTION ..... mg $C/m^3/d$

Water Quality Characteristics:

ALKALIN (alkalinity)	mg/L (as $CaCO_3$)
HARDNESS	mg/L (as $CaCO_3$)
All N (NH_3, NO_2, NO_3, NO_2+NO_3)	mg/L
All P (Total, Ortho-P)	mg/L
Cl	mg/L
SALT	ppt
SO_4	mg/L
BORON	mg/L
CALCIUM	mg/L
COPPER	mg/L
IRON	mg/L
MAGNESIUM	mg/L
POTASSIUM	mg/L
SODIUM	mg/L
ZINC	mg/L

Pond Soil Characteristics:

CLAY	%
SILT	%
SAND	%
ORGANIC MATTER	%
SOIL-P	ppm
SOIL Ca	meq/100g
SOIL Mg	meq/100g
SOIL K	ppm
SOIL Na	meq/100g
SOIL N	%
SOIL NH_4	ppm
SOIL NO_3	ppm
SOIL CEC	meq/100g
SOIL SALT	mmhos/cm
SOIL Al	ppm
SOIL Fe	ppm
SOIL Zn	ppm
SOIL Mn	ppm
SOIL Cu	ppm
SOIL SO_4	ppm

Analysis of Nutrients and Lime:

CHICK	chicken manure
TSP	"triple superphosphate"
All NUTRIENTS	% (dry matter basis)

Nutrient and Lime Inputs:

All QUANTITIES	kg/ha
CHICK	chicken manure
TSP	"triple superphosphate"
"cac"	$CaCO_3$

Table 1. Daily Weather Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
19	7	1984		238.					
20	7	1984		264.					
21	7	1984		238.					
22	7	1984		211.					
23	7	1984		275.					
24	7	1984		264.					
25	7	1984		317.					
26	7	1984		211.					
27	7	1984		317.					
28	7	1984		106.					
29	7	1984		264.					
30	7	1984		79.					
31	7	1984		317.					
1	8	1984		211.					
2	8	1984		275.					
3	8	1984		238.					
4	8	1984		264.					
5	8	1984		380.					
6	8	1984		343.			30.6	22.2	
7	8	1984		185.					
8	8	1984		158.					
9	8	1984		63.					
10	8	1984		264.					
11	8	1984		238.					
12	8	1984		380.					
13	8	1984		317.			30.8	23.9	
14	8	1984		264.					
15	8	1984		158.					
16	8	1984		343.					
17	8	1984		370.					
18	8	1984		343.					
19	8	1984		264.					
20	8	1984		317.			31.4	22.5	
21	8	1984		106.					
22	8	1984		317.					
23	8	1984		132.					
24	8	1984		185.					
25	8	1984		369.					
26	8	1984		317.					
27	8	1984		79.					
28	8	1984		211.			33.3	22.5	
29	8	1984		317.					
30	8	1984		264.					
31	8	1984		211.					
1	9	1984		343.					

Table 1. Daily Weather Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
2	9	1984		396.					
3	9	1984		172.	0.7		31.1	22.2	2.
4	9	1984		317.	0.				7.
5	9	1984		264.	0.				5.
6	9	1984		185.	18.				3.
7	9	1984		343.	0.				
8	9	1984		238.					
9	9	1984		343.					
10	9	1984		211.	0.1		31.1	22.2	
11	9	1984		316.	7.				5.
12	9	1984		370.	0.				5.
13	9	1984		211.	0.				5.
14	9	1984		211.	0.				5.
15	9	1984		264.	0.				5.
16	9	1984		343.	0.				
17	9	1984		396.	2.		30.3	22.2	
18	9	1984							1.3
19	9	1984			6.3				
20	9	1984		238.	131.				4.2
21	9	1984		317.	2.2				2.2
22	9	1984		264.	0.2				4.1
23	9	1984		396.	5.1				7.
24	9	1984		343.	0.		29.7	21.1	1.2
25	9	1984		317.	2.2				6.4
26	9	1984		322.	0.4				5.
27	9	1984		370.	0.				5.
28	9	1984		343.	0.				
29	9	1984		79.					
30	9	1984		370.					
1	10	1984		317.	0.		32.5	21.1	5.
2	10	1984		370.	0.				5.
3	10	1984		158.	0.				1.7
4	10	1984		343.	6.7				6.
5	10	1984	36.81	317.	0.				
6	10	1984	36.89	317.	20.				5.5
7	10	1984	45.03	370.	0.5				1.
8	10	1984	45.75	322.	0.		29.4	22.2	5.
9	10	1984	43.86	370.	0.				5.
10	10	1984	36.59	317.	0.				4.4
11	10	1984	44.02	343.	9.4				5.
12	10	1984	31.18	211.	0.				
13	10	1984	41.42	322.	2.5				
14	10	1984	18.57	79.	0.				
15	10	1984	40.81	317.	0.9		30.8	22.2	4.6
16	10	1984	39.68	322.	4.6				
17	10	1984	22.84	132.	7.9				

Table 1. Daily Weather Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
18	10	1984	23.99	238.	87.				
19	10	1984	35.78	317.	2.7				2.4
20	10	1984	45.44	396.	2.4				5.7
21	10	1984	50.08	396.	0.7				
22	10	1984	39.45	269.	0.		30.6	22.8	
23	10	1984	25.85	185.	56.7				6.5
24	10	1984	23.64	211.	18.1				
25	10	1984	24.2	132.	48.9				
26	10	1984	22.68	316.	1.5				
27	10	1984	19.95	211.	0.3				
28	10	1984	34.42	343.	122.8				10.3
29	10	1984	34.65	269.	13.1		30.	22.2	
30	10	1984	30.8	211.	0.1				
31	10	1984	24.33	158.	1.2				
1	11	1984	43.18	217.	3.4				
2	11	1984	41.43	370.	3.				13.1
3	11	1984	39.43	238.	0.9				3.
4	11	1984	33.1	264.	4.5				
5	11	1984	38.62	238.	6.3		30.	22.8	
6	11	1984	27.6	211.	0.				
7	11	1984	40.09	343.	1.2				
8	11	1984	33.91	264.	27.2				
9	11	1984	39.31	322.					
10	11	1984	38.75	317.	1.				
11	11	1984	33.01	264.					
12	11	1984	39.75	153.			30.	22.2	
13	11	1984	33.48	264.					
14	11	1984	38.7	264.					
15	11	1984	33.27	290.					
16	11	1984	43.46	317.					
17	11	1984	31.38	264.	3.1				
18	11	1984	41.34	343.	10.3				
19	11	1984	30.11	264.	0.		31.7	22.2	4.6
20	11	1984	25.35	224.	0.				4.1
21	11	1984	35.7		0.3				4.9
22	11	1984	39.45	343.	0.				4.3
23	11	1984	24.17	396.	0.7				2.9
24	11	1984	33.86	396.	0.				6.8
25	11	1984	42.58	528.	0.				5.7
26	11	1984	44.17	158.	0.		28.9	22.2	5.7
27	11	1984	38.49	322.	0.				3.8
28	11	1984	33.89	269.	0.				9.1
29	11	1984	37.54	275.	0.				
30	11	1984	37.08	277.	0.				8.8
1	12	1984	43.06	343.	17.3				3.5
2	12	1984	34.48	264.	0.	6.9			

Table 1. Daily Weather Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
3	12	1984	36.89	275.	0.	8.8	27.8	22.2	3.1
4	12	1984	21.9	211.	0.	9.3			
5	12	1984	40.83	317.	0.	8.7			8.3
6	12	1984	44.89	343.	0.	15.1			7.5
7	12	1984	41.64	330.	0.	18.6			9.7
8	12	1984	44.59	370.	0.	19.6			7.5
9	12	1984	41.57	314.	0.	17.1			10.2
10	12	1984	45.96	343.	0.	14.2	28.9	23.3	8.6
11	12	1984	41.08	343.	0.	15.4			7.2
12	12	1984	44.41	396.	0.	11.4			9.
13	12	1984	42.81	343.	0.	10.8			6.8
14	12	1984	36.03	317.	0.	12.5			5.8
15	12	1984	38.9	343.	0.	14.3			8.7
16	12	1984	36.99	322.	0.	16.7			7.2
17	12	1984	36.22	343.	0.	18.6	26.7	22.2	6.
18	12	1984	44.84		0.	18.1			9.9
19	12	1984	43.68		0.	14.3			9.
20	12	1984	31.66		0.	17.			7.3
21	12	1984			0.	17.7			7.4
22	12	1984			0.	16.6			10.6
23	12	1984			0.	12.3			8.4
24	12	1984			0.	19.1	26.7	22.2	8.4
25	12	1984			0.	23.3			9.9
26	12	1984			0.	22.1			13.9
27	12	1984			0.	19.4			7.9
28	12	1984			0.	19.9			11.6
29	12	1984			0.	20.6			9.6
30	12	1984			0.	19.9			10.
31	12	1984			0.	20.2	26.7	21.1	10.9

Table 1. Daily Weather Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
1	1	1985			0.		31.	19.5	
2	1	1985			0.	11.32	31.5	20.	9.14
3	1	1985			0.	12.5875	31.	20.6	7.3
4	1	1985			0.	18.191	31.5	21.3	12.1
5	1	1985			0.	15.229	30.	22.	9.38
6	1	1985			0.	18.508	29.5	23.1	8.12
7	1	1985			0.	16.979	29.	23.3	6.72
8	1	1985			0.	19.241	30.	23.4	10.3
9	1	1985			0.	17.0875	30.	23.2	10.24
10	1	1985			0.	17.72	27.	23.5	9.24
11	1	1985			0.	20.72	30.	23.6	10.47
12	1	1985			0.	14.216	29.5	19.6	8.67
13	1	1985			0.	18.979	29.5	22.5	8.22
14	1	1985			0.	18.404	31.	23.5	9.2
15	1	1985			0.	18.004	30.2	23.2	10.18
16	1	1985			0.	18.5	31.2	23.4	10.96
17	1	1985			0.	18.554	31.	24.	9.54
18	1	1985			0.	14.591	30.5	21.2	8.26
19	1	1985			0.	8.375	32.	19.5	7.88
20	1	1985			0.	10.383	31.5	19.6	8.02
21	1	1985			0.	14.341	31.5	19.3	9.25
22	1	1985			0.	17.1125	30.5	21.5	9.39
23	1	1985			0.	13.545	31.5	20.9	8.98
24	1	1985			0.	20.795	31.2	23.6	11.44
25	1	1985			0.	20.8625	30.5	24.	7.94
26	1	1985			0.	13.383	31.	20.	7.74
27	1	1985			0.	15.608			9.1
28	1	1985			0.	10.445			5.86
29	1	1985			0.	15.145			9.63
30	1	1985	47.27		0.	18.995			9.51
31	1	1985	47.77		0.	15.304			9.42
1	2	1985	46.9		0.	10.2125			9.22
2	2	1985	47.98		0.	13.483			7.72
3	2	1985	47.56		0.	10.733			4.08
4	2	1985	46.59		0.	15.845			11.48
5	2	1985	45.37		0.	18.22			10.28
6	2	1985	43.93		0.	19.379			10.38
7	2	1985	44.85		0.	15.6875			8.1
8	2	1985			0.	18.241			14.98
9	2	1985			0.	7.9541			9.44
10	2	1985			0.	27.72			11.44
11	2	1985			0.	8.8666			10.38
12	2	1985			0.	13.704			9.42
13	2	1985			0.	25.458			18.56
14	2	1985			0.	26.404			13.

Table 1. Daily Weather Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
15	2	1985			0.	25.3625			10.18
16	2	1985	50.63		0.	26.0375			16.66
17	2	1985	48.5		0.	25.3625			13.13
18	2	1985	49.12		0.	28.325			13.79
19	2	1985	50.38		0.	26.7375			13.06
20	2	1985	48.27		0.	24.3			14.26
21	2	1985	48.11		0.	24.683			14.26
22	2	1985	42.		0.	22.183			10.3
23	2	1985	49.27		0.	22.854			11.38
24	2	1985	50.89		0.	22.208			13.42
25	2	1985	51.36		0.	22.683	32.	21.5	14.8
26	2	1985	51.22		0.	25.016			14.02
27	2	1985	52.27		0.	25.5875			12.98
1	3	1985	47.53		0.	24.35			11.06
2	3	1985	47.47		0.	24.829			10.74
3	3	1985	50.32		0.	23.92			10.06
4	3	1985	43.02		0.	21.766	32.	24.9	10.04
5	3	1985	42.13		0.	25.02			13.5
6	3	1985	50.23		0.	26.508			12.92
7	3	1985	49.		0.	28.575			11.4
8	3	1985	49.29		0.	26.825			11.82
9	3	1985	45.81		0.	25.075			9.62
10	3	1985	42.64		0.	25.9375			
11	3	1985	48.47		0.		32.	25.	
12	3	1985	51.64		0.				
13	3	1985	49.55		0.				
14	3	1985	48.79		0.				
15	3	1985	50.64		0.				
16	3	1985	48.92		0.				
17	3	1985	47.93		0.				
18	3	1985	46.59		0.		33.5	20.	
19	3	1985	48.9		0.				
20	3	1985	43.84		0.				
21	3	1985	46.83		0.				
22	3	1985	45.68		0.				
23	3	1985	47.82		0.				
24	3	1985	46.12		0.				
25	3	1985	45.52		0.		31.7	25.	
26	3	1985	41.9		0.				
27	3	1985	45.22		0.				
28	3	1985	51.66		0.	25.445			11.02
28	3	1985	45.43		0.				
29	3	1985	47.82		0.				
30	3	1985	45.41		0.				
31	3	1985	39.01		0.				
1	4	1985	44.22		0.	11.725			8.78

Table 1. Daily Weather Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
2	4	1985	37.98		0.	16.15	33.9	25.	10.24
3	4	1985	46.07		0.	15.745			9.82
4	4	1985	47.85		0.	21.116			10.32
5	4	1985	46.35		0.	21.22			12.28
6	4	1985	48.08		0.	22.545			12.24
7	4	1985	48.07		0.	23.0375			10.24
8	4	1985	45.06		0.	22.754			10.74
9	4	1985	45.19		0.	20.966			11.44
10	4	1985	47.66		0.	25.066	31.9	25.	12.9
11	4	1985	47.59		0.	14.775			10.64
12	4	1985	45.94		0.	16.795			9.66
13	4	1985	41.34		0.	16.8375			10.88
14	4	1985	45.5		0.	19.058			9.14
15	4	1985	44.55		0.	18.525	33.2	25.4	10.18
16	4	1985	43.86		0.	15.058			9.98
17	4	1985	45.28		0.	23.691			12.56
18	4	1985	43.76		0.	23.82			11.6
19	4	1985	44.88		0.	22.525			12.32
20	4	1985	40.58		0.	19.133			11.52
21	4	1985	42.95		0.	17.9			11.44
22	4	1985	43.1		0.	9.8208	34.	21.	8.24
23	4	1985	41.42		0.	12.595			8.64
24	4	1985	40.32		0.	13.383			8.52
25	4	1985	24.46		0.	7.1041			5.04
26	4	1985	41.08		10.9	6.05			4.38
27	4	1985	37.93		2.4	6.6125			2.09
28	4	1985	46.44		9.85	8.8041			7.84
29	4	1985	51.78		0.	8.225			6.96
30	4	1985	40.99		3.31	8.8666			6.62
1	5	1985	47.38		0.	9.6833			3.89
2	5	1985	53.11		0.	13.858			12.27
3	5	1985	53.11		0.	16.154			10.3
4	5	1985	52.95		0.	14.02			9.14
5	5	1985	51.84		0.	11.108			10.58
6	5	1985	38.14		0.	9.1166			7.66
7	5	1985	14.06		34.4	6.475			5.52
8	5	1985	42.28		0.	4.225			3.78
9	5	1985	41.88		22.5	4.9833			7.32
10	5	1985	37.91		0.	6.4166			4.32
11	5	1985	36.14		1.	4.775			4.82
12	5	1985	33.36		3.6	5.6416			0.82
13	5	1985	36.24		0.	5.3541			6.92
14	5	1985	41.8		0.	6.1958			6.04
15	5	1985	35.42		0.	8.0916			5.78
16	5	1985	39.51		0.	7.1833			6.46
17	5	1985	34.6		0.	4.9			4.28

Table 1. Daily Weather Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
18	5	1985	47.65		0.	7.1416			6.92
19	5	1985	49.51		0.	7.0083			5.76
20	5	1985	43.04		0.	14.079			7.94
21	5	1985	40.05		0.	10.291			8.14
22	5	1985	22.71		2.5	5.8916			2.43
23	5	1985	43.14		0.	5.425			6.85
24	5	1985	36.69		0.	6.575			4.98
25	5	1985	36.02		0.	4.9833			4.04
26	5	1985	32.16		0.	5.1041			3.06
27	5	1985	35.32		0.	7.4791			4.18
28	5	1985	41.45		0.	7.1791			5.7
29	5	1985	17.33		0.	4.2875			3.54
30	5	1985	40.92		0.	9.3708			7.48
31	5	1985	27.09		1.6	6.7791			2.82
1	6	1985	14.84		68.8	37.5			1.
2	6	1985	22.59		0.7	4.7958			1.66
3	6	1985	38.71		10.69	0.			
4	6	1985	28.99			0.			
5	6	1985	38.41			0.			
6	6	1985	40.55			0.			
7	6	1985	18.64			0.			
8	6	1985	25.65			0.			
9	6	1985	10.25			0.			
10	6	1985	37.23			0.			
11	6	1985	42.47			0.			
12	6	1985	26.8			0.			
13	6	1985	13.74			0.			
14	6	1985	40.99			0.			
15	6	1985	30.17			0.			
16	6	1985	30.69			0.			
17	6	1985	42.11			0.			
18	6	1985	41.86			0.			
19	6	1985	43.73			0.			
20	6	1985	42.22			0.			
21	6	1985	39.27			0.			
22	6	1985	25.84			0.			
23	6	1985	19.16			0.			
24	6	1985	45.76			0.			
25	6	1985	23.99			0.			

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
19	7	1984	2							
19	7	1984	4							
19	7	1984	5							
19	7	1984	6							
19	7	1984	7							
19	7	1984	8							
19	7	1984	9							
19	7	1984	10							
19	7	1984	12							
19	7	1984	13							
19	7	1984	14							
19	7	1984	16							
19	7	1984	19							
19	7	1984	20							
19	7	1984	21							
19	7	1984	24							
19	7	1984	25							
19	7	1984	28							
19	7	1984	31							
19	7	1984	34							
19	7	1984	35							
19	7	1984	36							
19	7	1984	37							
19	7	1984	38							
19	7	1984	39							
19	7	1984	40							
19	7	1984	42							
20	7	1984	2						14.	
20	7	1984	4						15.	
20	7	1984	5						16.	
20	7	1984	6						15.	
20	7	1984	7						15.	
20	7	1984	8						15.	
20	7	1984	9						16.	
20	7	1984	10						16.	
20	7	1984	12						15.	
20	7	1984	13						16.	
20	7	1984	14						16.	
20	7	1984	16						15.	
20	7	1984	19						16.	
20	7	1984	20						16.	
20	7	1984	21						16.5	
20	7	1984	24						15.	
20	7	1984	25						15.	
20	7	1984	28						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
20	7	1984	31						16.	
20	7	1984	34						16.	
20	7	1984	35						15.	
20	7	1984	36						15.	
20	7	1984	37						16.	
20	7	1984	38						16.	
20	7	1984	39						16.	
20	7	1984	40						16.	
20	7	1984	42						16.5	
23	7	1984	2						15.	
23	7	1984	4						15.	
23	7	1984	5						16.	
23	7	1984	6						15.	
23	7	1984	7						13.	
23	7	1984	8						13.	
23	7	1984	9						15.	
23	7	1984	10						14.	
23	7	1984	12						15.	
23	7	1984	13						15.	
23	7	1984	14							
23	7	1984	16							
23	7	1984	19						15.	
23	7	1984	20							
23	7	1984	21						15.	
23	7	1984	24						16.	
23	7	1984	25						16.	
23	7	1984	28						16.	
23	7	1984	31						16.	
23	7	1984	34						16.	
23	7	1984	35						16.	
23	7	1984	36						16.	
23	7	1984	37						16.	
23	7	1984	38						16.	
23	7	1984	39						16.	
23	7	1984	40						16.	
23	7	1984	42							
24	7	1984	2						13.	
24	7	1984	4						14.	
24	7	1984	5						14.	
24	7	1984	6						13.	
24	7	1984	7						12.	
24	7	1984	8						12.	
24	7	1984	9						13.	
24	7	1984	10						13.	
24	7	1984	12						13.	
24	7	1984	13						13.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
24	7	1984	14						13.	
24	7	1984	16						13.	
24	7	1984	19						13.	
24	7	1984	20						13.	
24	7	1984	21						14.	
24	7	1984	24						13.	
24	7	1984	25						13.	
24	7	1984	28						12.	
24	7	1984	31						14.	
24	7	1984	34						12.	
24	7	1984	35						12.	
24	7	1984	36						12.	
24	7	1984	37						12.	
24	7	1984	38						13.	
24	7	1984	39						13.	
24	7	1984	40						12.	
24	7	1984	42						13.	
25	7	1984	2						12.	
25	7	1984	4						13.	
25	7	1984	5						13.	
25	7	1984	6						12.	
25	7	1984	7						12.	
25	7	1984	8						13.	
25	7	1984	9						14.	
25	7	1984	10						14.	
25	7	1984	12						13.	
25	7	1984	13						13.	
25	7	1984	14						14.	
25	7	1984	16						13.	
25	7	1984	19						14.	
25	7	1984	20						13.	
25	7	1984	21						14.	
25	7	1984	24						14.	
25	7	1984	25						14.	
25	7	1984	28						13.	
25	7	1984	31						14.	
25	7	1984	34						14.	
25	7	1984	35						13.	
25	7	1984	36						13.	
25	7	1984	37						13.	
25	7	1984	38						14.	
25	7	1984	39						13.	
25	7	1984	40						13.	
25	7	1984	42						14.	
26	7	1984	2						14.	
26	7	1984	4						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
26	7	1984	5						15.	
26	7	1984	6						14.	
26	7	1984	7						14.	
26	7	1984	8						14.	
26	7	1984	9						14.	
26	7	1984	10						14.	
26	7	1984	12						14.	
26	7	1984	13						14.	
26	7	1984	14						13.	
26	7	1984	16						15.	
26	7	1984	19						14.	
26	7	1984	20						16.	
26	7	1984	21						16.	
26	7	1984	24						15.	
26	7	1984	25						15.	
26	7	1984	28						15.	
26	7	1984	31						15.	
26	7	1984	34						15.	
26	7	1984	35						15.	
26	7	1984	36						15.	
26	7	1984	37						15.	
26	7	1984	38						15.	
26	7	1984	39						15.	
26	7	1984	40						15.	
26	7	1984	42						16.	
27	7	1984	2						16.	
27	7	1984	4						16.	
27	7	1984	5						16.	
27	7	1984	6						16.	
27	7	1984	7						15.	
27	7	1984	8						15.	
27	7	1984	9						16.	
27	7	1984	10						16.	
27	7	1984	12						15.	
27	7	1984	13						17.	
27	7	1984	14						16.	
27	7	1984	16						15.	
27	7	1984	19						15.	
27	7	1984	20						15.	
27	7	1984	21						16.	
27	7	1984	24						14.	
27	7	1984	25						14.	
27	7	1984	28						14.	
27	7	1984	31						15.	
27	7	1984	34						15.	
27	7	1984	35						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
27	7	1984	36						15.	
27	7	1984	37						14.	
27	7	1984	38						16.	
27	7	1984	39						16.	
27	7	1984	40						16.	
27	7	1984	42						15.	
28	7	1984	2						17.	
28	7	1984	4						17.	
28	7	1984	5						17.	
28	7	1984	6						16.	
28	7	1984	7						15.	
28	7	1984	8						16.	
28	7	1984	9						16.	
28	7	1984	10						17.	
28	7	1984	12						16.	
28	7	1984	13						17.	
28	7	1984	14						16.	
28	7	1984	16						15.	
28	7	1984	19						15.	
28	7	1984	20						17.	
28	7	1984	21						16.	
28	7	1984	24						17.	
28	7	1984	25						16.	
28	7	1984	28						16.	
28	7	1984	31						17.	
28	7	1984	34						16.	
28	7	1984	35						16.	
28	7	1984	36						16.	
28	7	1984	37						17.	
28	7	1984	38						17.	
28	7	1984	39						16.	
28	7	1984	40						16.	
28	7	1984	42						15.	
29	7	1984	2						16.	
29	7	1984	4						17.	
29	7	1984	5						17.	
29	7	1984	6						16.	
29	7	1984	7						16.	
29	7	1984	8						16.	
29	7	1984	9						16.	
29	7	1984	10						16.	
29	7	1984	12						15.	
29	7	1984	13						15.	
29	7	1984	14						16.	
29	7	1984	16						15.	
29	7	1984	19						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
29	7	1984	20						16.	
29	7	1984	21						16.	
29	7	1984	24						17.	
29	7	1984	25						16.	
29	7	1984	28						16.	
29	7	1984	31						17.	
29	7	1984	34						15.	
29	7	1984	35						15.	
29	7	1984	36						15.	
29	7	1984	37						15.	
29	7	1984	38						16.	
29	7	1984	39						16.	
29	7	1984	40						16.	
29	7	1984	42						15.	
30	7	1984	2						16.	
30	7	1984	4						17.	
30	7	1984	5						17.	
30	7	1984	6						16.	
30	7	1984	7						16.	
30	7	1984	8						16.	
30	7	1984	9						16.	
30	7	1984	10						16.	
30	7	1984	12						15.	
30	7	1984	13						15.	
30	7	1984	14						16.	
30	7	1984	16						15.	
30	7	1984	19						15.	
30	7	1984	20						16.	
30	7	1984	21						16.	
30	7	1984	24						17.	
30	7	1984	25						16.	
30	7	1984	28						16.	
30	7	1984	31						17.	
30	7	1984	34						15.	
30	7	1984	35						15.	
30	7	1984	36						15.	
30	7	1984	37						15.	
30	7	1984	38						16.	
30	7	1984	39						16.	
30	7	1984	40						16.	
30	7	1984	42						15.	
31	7	1984	2						16.	
31	7	1984	4						15.	
31	7	1984	5						15.	
31	7	1984	6						15.	
31	7	1984	7						14.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
31	7	1984	8						14.	
31	7	1984	9						14.	
31	7	1984	10						14.	
31	7	1984	12						14.	
31	7	1984	13						14.	
31	7	1984	14						14.	
31	7	1984	16						14.	
31	7	1984	19						14.	
31	7	1984	20						14.	
31	7	1984	21						14.	
31	7	1984	24						14.	
31	7	1984	25						14.	
31	7	1984	28						14.	
31	7	1984	31						14.	
31	7	1984	34						14.	
31	7	1984	35						14.	
31	7	1984	36						14.	
31	7	1984	37						14.	
31	7	1984	39						14.	
31	7	1984	40						14.	
31	7	1984	42						14.	
1	8	1984	2						16.	
1	8	1984	4						15.	
1	8	1984	5						15.	
1	8	1984	6						14.	
1	8	1984	7						14.	
1	8	1984	8						14.	
1	8	1984	9						14.	
1	8	1984	10						14.	
1	8	1984	12						14.	
1	8	1984	13						14.	
1	8	1984	14						14.	
1	8	1984	16						14.	
1	8	1984	19						14.	
1	8	1984	20						14.	
1	8	1984	21						14.	
1	8	1984	24						14.	
1	8	1984	25						14.	
1	8	1984	28						14.	
1	8	1984	31						14.	
1	8	1984	34						14.	
1	8	1984	35						14.	
1	8	1984	36						14.	
1	8	1984	37						14.	
1	8	1984	38						14.	
1	8	1984	39						14.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
1	8	1984	40						14.	
1	8	1984	42						14.	
2	8	1984	2						15.	
2	8	1984	4						15.	
2	8	1984	5						15.	
2	8	1984	6						15.	
2	8	1984	7						14.	
2	8	1984	8						14.	
2	8	1984	9						14.	
2	8	1984	10						14.	
2	8	1984	12						14.	
2	8	1984	13						14.	
2	8	1984	14						14.	
2	8	1984	16						14.	
2	8	1984	19						14.	
2	8	1984	20						14.	
2	8	1984	21						14.	
2	8	1984	24						15.	
2	8	1984	25						14.	
2	8	1984	28						14.	
2	8	1984	31						15.	
2	8	1984	34						14.	
2	8	1984	35						14.	
2	8	1984	36						14.	
2	8	1984	37						14.	
2	8	1984	38						14.	
2	8	1984	39						14.	
2	8	1984	40						14.	
2	8	1984	42						14.	
4	8	1984	2						12.	
4	8	1984	4						12.	
4	8	1984	5						12.	
4	8	1984	6						12.	
4	8	1984	7						12.	
4	8	1984	8						12.	
4	8	1984	9						12.	
4	8	1984	10						12.	
4	8	1984	12						12.	
4	8	1984	13						12.	
4	8	1984	14						12.	
4	8	1984	16						12.	
4	8	1984	19						12.	
4	8	1984	20						12.	
4	8	1984	21						12.	
4	8	1984	24						12.	
4	8	1984	25						12.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
4	8	1984	28						12.	
4	8	1984	31						12.	
4	8	1984	34						12.	
4	8	1984	35						12.	
4	8	1984	36						12.	
4	8	1984	37						12.	
4	8	1984	38						12.	
4	8	1984	39						12.	
4	8	1984	40						12.	
4	8	1984	42						12.	
7	8	1984	2						15.	
7	8	1984	4						15.	
7	8	1984	5						15.	
7	8	1984	6						13.	
7	8	1984	7						15.	
7	8	1984	8						15.	
7	8	1984	9						14.	
7	8	1984	10						13.	
7	8	1984	12						16.	
7	8	1984	13						16.	
7	8	1984	14						17.	
7	8	1984	16						15.	
7	8	1984	19						16.	
7	8	1984	20						15.	
7	8	1984	21						13.	
7	8	1984	24						15.	
7	8	1984	25						15.	
7	8	1984	28						15.	
7	8	1984	31						12.	
7	8	1984	34						15.	
7	8	1984	35						15.	
7	8	1984	36						15.	
7	8	1984	37						15.	
7	8	1984	38						15.	
7	8	1984	39						15.	
7	8	1984	40						15.	
7	8	1984	42						15.	
8	8	1984	2						15.	
8	8	1984	4						16.	
8	8	1984	5						16.	
8	8	1984	6						16.	
8	8	1984	7						16.	
8	8	1984	8						16.	
8	8	1984	9						16.	
8	8	1984	10						17.	
8	8	1984	12						17.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
8	8	1984	13						17.	
8	8	1984	14						17.	
8	8	1984	16						15.	
8	8	1984	19						17.	
8	8	1984	20						17.	
8	8	1984	21						17.	
8	8	1984	24						16.	
8	8	1984	25						15.	
8	8	1984	28						15.	
8	8	1984	31						15.	
8	8	1984	34						15.5	
8	8	1984	35						15.	
8	8	1984	36						15.5	
8	8	1984	37						16.	
8	8	1984	38						16.	
8	8	1984	39						16.	
8	8	1984	40						16.	
8	8	1984	42						16.	
9	8	1984	2						16.	
9	8	1984	4						15.	
9	8	1984	5						16.	
9	8	1984	6						16.	
9	8	1984	7						15.	
9	8	1984	8						15.	
9	8	1984	9						16.	
9	8	1984	10						15.	
9	8	1984	12						15.	
9	8	1984	13						16.	
9	8	1984	14						15.	
9	8	1984	16						15.	
9	8	1984	19						16.	
9	8	1984	20						15.	
9	8	1984	21						15.	
9	8	1984	24						16.	
9	8	1984	25						16.	
9	8	1984	28						16.	
9	8	1984	31						15.	
9	8	1984	34						16.	
9	8	1984	35						15.	
9	8	1984	36						15.	
9	8	1984	37						15.	
9	8	1984	38						15.	
9	8	1984	39						16.	
9	8	1984	40						15.	
9	8	1984	42						15.	
10	8	1984	2						14.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
10	8	1984	4						14.	
10	8	1984	5						14.	
10	8	1984	6						14.	
10	8	1984	7						14.	
10	8	1984	8						14.	
10	8	1984	9						14.	
10	8	1984	10						14.	
10	8	1984	12						15.	
10	8	1984	13						15.	
10	8	1984	14						15.	
10	8	1984	16						15.	
10	8	1984	19						15.	
10	8	1984	20						15.	
10	8	1984	21						14.	
10	8	1984	24						14.	
10	8	1984	25						14.	
10	8	1984	28						13.	
10	8	1984	31						14.	
10	8	1984	34						15.	
10	8	1984	35						15.	
10	8	1984	36						15.	
10	8	1984	37						15.	
10	8	1984	38						15.	
10	8	1984	39						15.	
10	8	1984	40						15.	
10	8	1984	42						14.	
11	8	1984	2						12.	
11	8	1984	4						14.	
11	8	1984	5						14.	
11	8	1984	6						14.	
11	8	1984	7						14.	
11	8	1984	8						13.	
11	8	1984	9						13.	
11	8	1984	10						13.	
11	8	1984	12						13.	
11	8	1984	13						13.	
11	8	1984	14						13.	
11	8	1984	16						12.	
11	8	1984	19						13.	
11	8	1984	20						13.	
11	8	1984	21						12.	
11	8	1984	24						13.	
11	8	1984	25						12.	
11	8	1984	28						11.	
11	8	1984	31						12.	
11	8	1984	34						13.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
11	8	1984	35						13.	
11	8	1984	36						13.	
11	8	1984	37						13.	
11	8	1984	38						13.	
11	8	1984	39						12.	
11	8	1984	40						12.	
11	8	1984	42						12.	
12	8	1984	2						14.	
12	8	1984	4						14.	
12	8	1984	5						15.	
12	8	1984	6						15.	
12	8	1984	7						15.	
12	8	1984	8						14.	
12	8	1984	9						14.	
12	8	1984	10						14.	
12	8	1984	12						14.	
12	8	1984	13						14.	
12	8	1984	14						14.	
12	8	1984	16						12.	
12	8	1984	19						14.	
12	8	1984	20						14.	
12	8	1984	21						14.	
12	8	1984	24						13.	
12	8	1984	25						12.	
12	8	1984	28						12.	
12	8	1984	31						12.	
12	8	1984	34						14.	
12	8	1984	35						14.	
12	8	1984	36						14.	
12	8	1984	37						14.	
12	8	1984	38						14.	
12	8	1984	39						14.	
12	8	1984	40						13.	
12	8	1984	42						13.	
13	8	1984	2						15.	
13	8	1984	4						16.	
13	8	1984	5						15.	
13	8	1984	6						15.	
13	8	1984	7						14.	
13	8	1984	8						14.	
13	8	1984	9						14.	
13	8	1984	10						15.	
13	8	1984	12						16.	
13	8	1984	13						15.	
13	8	1984	14						15.	
13	8	1984	16						16.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
13	8	1984	19						15.	
13	8	1984	20						15.	
13	8	1984	21						15.	
13	8	1984	24						13.	
13	8	1984	25						12.	
13	8	1984	28						14.	
13	8	1984	31						12.	
13	8	1984	34						16.	
13	8	1984	35						15.	
13	8	1984	36						15.	
13	8	1984	37						15.	
13	8	1984	38						14.	
13	8	1984	39						14.	
13	8	1984	40						13.	
13	8	1984	42						13.	
14	8	1984	2						15.	
14	8	1984	4						14.	
14	8	1984	5						15.	
14	8	1984	6						15.	
14	8	1984	7						14.	
14	8	1984	8						14.	
14	8	1984	9						14.	
14	8	1984	10						15.	
14	8	1984	12						16.	
14	8	1984	13						15.	
14	8	1984	14						15.	
14	8	1984	16						16.	
14	8	1984	19						15.	
14	8	1984	20						15.	
14	8	1984	21						15.	
14	8	1984	24						13.	
14	8	1984	25						13.	
14	8	1984	28						14.	
14	8	1984	31						12.	
14	8	1984	34						16.	
14	8	1984	35						15.	
14	8	1984	36						15.	
14	8	1984	37						15.	
14	8	1984	38						14.	
14	8	1984	39						14.	
14	8	1984	40						13.	
14	8	1984	42						13.	
15	8	1984	2						14.	
15	8	1984	4						14.	
15	8	1984	5						13.	
15	8	1984	6						13.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
15	8	1984	7						12.	
15	8	1984	8						13.	
15	8	1984	9						14.	
15	8	1984	10						15.	
15	8	1984	12						15.	
15	8	1984	13						14.	
15	8	1984	14						15.	
15	8	1984	16						15.	
15	8	1984	19						15.	
15	8	1984	20						14.	
15	8	1984	21						15.	
15	8	1984	24						15.	
15	8	1984	25						15.	
15	8	1984	28						14.	
15	8	1984	31						15.	
15	8	1984	34						15.	
15	8	1984	35						14.	
15	8	1984	36						14.	
15	8	1984	37						14.	
15	8	1984	38						14.	
15	8	1984	39						14.	
15	8	1984	40						14.	
15	8	1984	42						14.	
16	8	1984	2						15.	
16	8	1984	4						15.	
16	8	1984	5						15.	
16	8	1984	6						15.	
16	8	1984	7						14.	
16	8	1984	8						15.	
16	8	1984	9						15.	
16	8	1984	10						15.	
16	8	1984	12						15.	
16	8	1984	13						15.	
16	8	1984	14						15.	
16	8	1984	16						14.	
16	8	1984	19						15.	
16	8	1984	20						15.	
16	8	1984	21						15.	
16	8	1984	24						15.	
16	8	1984	25						14.	
16	8	1984	28						14.	
16	8	1984	31						15.	
16	8	1984	34						15.	
16	8	1984	35						15.	
16	8	1984	36						15.	
16	8	1984	37						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
16	8	1984	38						14.	
16	8	1984	39						14.	
16	8	1984	40						14.	
16	8	1984	42						14.	
17	8	1984	2						15.	
17	8	1984	4						15.	
17	8	1984	5						15.	
17	8	1984	6						15.	
17	8	1984	7						14.	
17	8	1984	8						14.	
17	8	1984	9						15.	
17	8	1984	10						15.	
17	8	1984	12						15.	
17	8	1984	13						15.	
17	8	1984	14						15.	
17	8	1984	16						15.	
17	8	1984	19						15.	
17	8	1984	20						15.	
17	8	1984	21						15.	
17	8	1984	24						15.	
17	8	1984	25						14.	
17	8	1984	28						14.	
17	8	1984	31						14.	
17	8	1984	34						15.	
17	8	1984	35						15.	
17	8	1984	36						15.	
17	8	1984	37						15.	
17	8	1984	38						15.	
17	8	1984	39						15.	
17	8	1984	40						15.	
17	8	1984	42						14.	
18	8	1984	2						15.	
18	8	1984	4						14.	
18	8	1984	5						14.	
18	8	1984	6						14.	
18	8	1984	7						14.	
18	8	1984	8						14.	
18	8	1984	9						14.	
18	8	1984	10						15.	
18	8	1984	12						14.	
18	8	1984	13						15.	
18	8	1984	14						15.	
18	8	1984	16						14.	
18	8	1984	19						14.	
18	8	1984	20						14.	
18	8	1984	21						14.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
18	8	1984	24						15.	
18	8	1984	25						14.	
18	8	1984	28						14.	
18	8	1984	31						15.	
18	8	1984	34						14.	
18	8	1984	35						14.	
18	8	1984	36						14.	
18	8	1984	37						14.	
18	8	1984	38						13.	
18	8	1984	39						13.	
18	8	1984	40						13.	
18	8	1984	42						14.	
19	8	1984	2						14.	
19	8	1984	4						14.	
19	8	1984	5						14.	
19	8	1984	6						14.	
19	8	1984	7						14.	
19	8	1984	8						15.	
19	8	1984	9						14.	
19	8	1984	10						14.	
19	8	1984	12						14.	
19	8	1984	13						14.	
19	8	1984	14						14.	
19	8	1984	16						14.	
19	8	1984	19						14.	
19	8	1984	20						14.	
19	8	1984	21						15.	
19	8	1984	24						14.	
19	8	1984	25						14.	
19	8	1984	28						14.	
19	8	1984	31						15.	
19	8	1984	34						14.	
19	8	1984	35						14.	
19	8	1984	36						14.	
19	8	1984	37						14.	
19	8	1984	38						14.	
19	8	1984	39						14.	
19	8	1984	40						14.	
19	8	1984	42						15.	
20	8	1984	2						15.	
20	8	1984	4						15.	
20	8	1984	5						15.	
20	8	1984	6						15.	
20	8	1984	7						14.	
20	8	1984	8						14.	
20	8	1984	9						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
20	8	1984	10						15.	
20	8	1984	12						15.	
20	8	1984	13						15.	
20	8	1984	14						15.	
20	8	1984	16						15.	
20	8	1984	19						15.	
20	8	1984	20						15.	
20	8	1984	21						15.	
20	8	1984	24						14.	
20	8	1984	25						14.	
20	8	1984	28						14.	
20	8	1984	31						15.	
20	8	1984	34						15.	
20	8	1984	35						15.	
20	8	1984	36						15.	
20	8	1984	37						15.	
20	8	1984	38						15.	
20	8	1984	39						15.	
20	8	1984	40						14.	
20	8	1984	42						15.	
21	8	1984	2						17.	
21	8	1984	4						16.	
21	8	1984	5						17.	
21	8	1984	6						15.	
21	8	1984	7						15.	
21	8	1984	8						15.	
21	8	1984	9						15.	
21	8	1984	10						16.	
21	8	1984	12						17.	
21	8	1984	13						17.	
21	8	1984	14						15.	
21	8	1984	16						16.	
21	8	1984	19						16.	
21	8	1984	20						17.	
21	8	1984	21						16.	
21	8	1984	24						16.	
21	8	1984	25						15.	
21	8	1984	28						18.	
21	8	1984	31						16.	
21	8	1984	34						15.	
21	8	1984	35						15.	
21	8	1984	36						16.	
21	8	1984	37						16.	
21	8	1984	38						17.	
21	8	1984	39						15.	
21	8	1984	40							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
21	8	1984	42						18.	
22	8	1984	2						14.	
22	8	1984	4						16.	
22	8	1984	5						15.	
22	8	1984	6						16.	
22	8	1984	7						14.	
22	8	1984	8						14.	
22	8	1984	9						14.	
22	8	1984	10						14.	
22	8	1984	12						15.	
22	8	1984	13						16.	
22	8	1984	14						16.	
22	8	1984	16						14.	
22	8	1984	19						15.	
22	8	1984	20						15.	
22	8	1984	21						16.	
22	8	1984	24						15.	
22	8	1984	25						15.	
22	8	1984	28						14.	
22	8	1984	31						17.	
22	8	1984	34						15.	
22	8	1984	35						14.	
22	8	1984	36						14.	
22	8	1984	37						15.	
22	8	1984	38						15.	
22	8	1984	39						16.	
22	8	1984	40						14.	
22	8	1984	42						17.	
23	8	1984	2						19.	
23	8	1984	4						15.	
23	8	1984	5						17.	
23	8	1984	6						18.	
23	8	1984	7						17.	
23	8	1984	8						17.	
23	8	1984	9						17.	
23	8	1984	10						17.	
23	8	1984	12						17.	
23	8	1984	13						18.	
23	8	1984	14						17.	
23	8	1984	16						16.	
23	8	1984	19						18.	
23	8	1984	20						18.	
23	8	1984	21						19.	
23	8	1984	24						18.	
23	8	1984	25						16.	
23	8	1984	28						16.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
23	8	1984	31						19.	
23	8	1984	34						16.	
23	8	1984	35						15.	
23	8	1984	36						15.	
23	8	1984	37						16.	
23	8	1984	38						16.	
23	8	1984	39						18.	
23	8	1984	40						15.	
23	8	1984	42						14.	
24	8	1984	2						17.	
24	8	1984	4						15.	
24	8	1984	5						17.	
24	8	1984	6						18.	
24	8	1984	7						17.	
24	8	1984	8						17.	
24	8	1984	9						17.	
24	8	1984	10						17.	
24	8	1984	12						17.	
24	8	1984	13						18.	
24	8	1984	14						17.	
24	8	1984	16						16.	
24	8	1984	19						18.	
24	8	1984	20						18.	
24	8	1984	21						19.	
24	8	1984	24						18.	
24	8	1984	25						16.	
24	8	1984	28						16.	
24	8	1984	31						19.	
24	8	1984	34						15.	
24	8	1984	35						15.	
24	8	1984	36						15.	
24	8	1984	37						16.	
24	8	1984	38						16.	
24	8	1984	39						18.	
24	8	1984	40						15.	
24	8	1984	42						17.	
25	8	1984	2						17.	
25	8	1984	4						14.	
25	8	1984	5						14.	
25	8	1984	6						16.	
25	8	1984	7						15.	
25	8	1984	8						15.	
25	8	1984	9						15.	
25	8	1984	10						15.	
25	8	1984	12						15.	
25	8	1984	13						16.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
25	8	1984	14						15.	
25	8	1984	16						14.	
25	8	1984	19						16.	
25	8	1984	20						16.	
25	8	1984	21						17.	
25	8	1984	24						16.	
25	8	1984	25						14.	
25	8	1984	28						14.	
25	8	1984	31						17.	
25	8	1984	34						15.	
25	8	1984	35						14.	
25	8	1984	36						14.	
25	8	1984	37						15.	
25	8	1984	38						15.	
25	8	1984	39						16.	
25	8	1984	40						14.	
25	8	1984	42						15.	
26	8	1984	2						18.	
26	8	1984	4						15.	
26	8	1984	5						15.	
26	8	1984	6						17.	
26	8	1984	7						16.	
26	8	1984	8						16.	
26	8	1984	9						16.	
26	8	1984	10						16.	
26	8	1984	12						16.	
26	8	1984	13						17.	
26	8	1984	14						16.	
26	8	1984	16						15.	
26	8	1984	19						27.	
26	8	1984	20						17.	
26	8	1984	21						18.	
26	8	1984	24						17.	
26	8	1984	25						15.	
26	8	1984	28						15.	
26	8	1984	31						18.	
26	8	1984	34						16.	
26	8	1984	35						15.	
26	8	1984	36						15.	
26	8	1984	37						16.	
26	8	1984	38						16.	
26	8	1984	39						17.	
26	8	1984	40						16.	
26	8	1984	42						16.	
27	8	1984	2						18.	
27	8	1984	4						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
27	8	1984	5						15.	
27	8	1984	6						17.	
27	8	1984	7						16.	
27	8	1984	8						16.	
27	8	1984	9						16.	
27	8	1984	10						16.	
27	8	1984	12						16.	
27	8	1984	13						17.	
27	8	1984	14						16.	
27	8	1984	16						15.	
27	8	1984	19						17.	
27	8	1984	20						17.	
27	8	1984	21						18.	
27	8	1984	24						17.	
27	8	1984	25						15.	
27	8	1984	28						15.	
27	8	1984	31						18.	
27	8	1984	34						16.	
27	8	1984	35						15.	
27	8	1984	36						15.	
27	8	1984	37						16.	
27	8	1984	38						16.	
27	8	1984	39						17.	
27	8	1984	40						15.	
27	8	1984	42						16.	
28	8	1984	2						18.	
28	8	1984	4						16.	
28	8	1984	5						16.	
28	8	1984	6						18.	
28	8	1984	7						15.	
28	8	1984	8						16.	
28	8	1984	9						18.	
28	8	1984	10						17.	
28	8	1984	12						17.	
28	8	1984	13						17.	
28	8	1984	14						17.	
28	8	1984	16						16.	
28	8	1984	19						18.	
28	8	1984	20						18.	
28	8	1984	21						18.	
28	8	1984	24						18.	
28	8	1984	25						17.	
28	8	1984	28						15.	
28	8	1984	31						19.	
28	8	1984	34						16.	
28	8	1984	35						17.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
28	8	1984	36						16.	
28	8	1984	37						15.	
28	8	1984	38						16.	
28	8	1984	39						18.	
28	8	1984	40						17.	
28	8	1984	42						16.	
29	8	1984	2							
29	8	1984	4							
29	8	1984	5							
29	8	1984	6							
29	8	1984	7							
29	8	1984	8							
29	8	1984	9							
29	8	1984	10							
29	8	1984	12							
29	8	1984	13							
29	8	1984	14							
29	8	1984	16							
29	8	1984	19							
29	8	1984	20							
29	8	1984	21							
29	8	1984	24							
29	8	1984	25							
29	8	1984	28							
29	8	1984	31							
29	8	1984	34							
29	8	1984	35							
29	8	1984	36							
29	8	1984	37							
29	8	1984	38							
29	8	1984	39							
29	8	1984	40							
29	8	1984	42							
30	8	1984	2							
30	8	1984	4							
30	8	1984	5							
30	8	1984	6							
30	8	1984	7							
30	8	1984	8							
30	8	1984	9							
30	8	1984	10							
30	8	1984	12							
30	8	1984	13							
30	8	1984	14							
30	8	1984	16							
30	8	1984	19							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
30	8	1984	20							
30	8	1984	21							
30	8	1984	24							
30	8	1984	25							
30	8	1984	28							
30	8	1984	31							
30	8	1984	34							
30	8	1984	35							
30	8	1984	36							
30	8	1984	37							
30	8	1984	38							
30	8	1984	39							
30	8	1984	40							
30	8	1984	42							
31	8	1984	2						17.	
31	8	1984	4						18.	
31	8	1984	5						17.	
31	8	1984	6						18.	
31	8	1984	7						16.	
31	8	1984	8						16.	
31	8	1984	9						18.	
31	8	1984	10						18.	
31	8	1984	12						18.	
31	8	1984	13						18.	
31	8	1984	14						18.	
31	8	1984	16						16.	
31	8	1984	19						17.	
31	8	1984	20						17.	
31	8	1984	21						17.	
31	8	1984	24						18.	
31	8	1984	25						16.	
31	8	1984	28						15.	
31	8	1984	31						19.	
31	8	1984	34						16.	
31	8	1984	35						18.	
31	8	1984	36						17.	
31	8	1984	37						16.	
31	8	1984	38						17.	
31	8	1984	39						19.	
31	8	1984	40						17.	
31	8	1984	42						18.	
1	9	1984	2						15.	
1	9	1984	4						15.	
1	9	1984	5						17.	
1	9	1984	6						17.	
1	9	1984	7						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
1	9	1984	8						15.	
1	9	1984	9						16.	
1	9	1984	10						15.	
1	9	1984	12						15.	
1	9	1984	13						15.	
1	9	1984	14						14.	
1	9	1984	16						15.	
1	9	1984	19						16.	
1	9	1984	20						17.	
1	9	1984	21						16.	
1	9	1984	24						17.	
1	9	1984	25						16.	
1	9	1984	28						15.	
1	9	1984	31						17.	
1	9	1984	34						16.	
1	9	1984	35						15.	
1	9	1984	36						16.	
1	9	1984	37						15.	
1	9	1984	38						16.	
1	9	1984	39						17.	
1	9	1984	40						15.	
1	9	1984	42						16.	
2	9	1984	2						15.	
2	9	1984	4						15.	
2	9	1984	5						17.	
2	9	1984	6						17.	
2	9	1984	7						15.	
2	9	1984	8						15.	
2	9	1984	9						16.	
2	9	1984	10						16.	
2	9	1984	12						15.	
2	9	1984	13						15.	
2	9	1984	14						14.	
2	9	1984	16						15.	
2	9	1984	19						16.	
2	9	1984	20						17.	
2	9	1984	21						16.	
2	9	1984	24						17.	
2	9	1984	25						16.	
2	9	1984	28						15.	
2	9	1984	31						17.	
2	9	1984	34						16.	
2	9	1984	35						15.	
2	9	1984	36						16.	
2	9	1984	37						15.	
2	9	1984	38						16.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
2	9	1984	39						17.	
2	9	1984	40						15.	
2	9	1984	42						16.	
3	9	1984	2						15.	
3	9	1984	4						16.	
3	9	1984	5						17.	
3	9	1984	6						18.	
3	9	1984	7						15.	
3	9	1984	8						16.	
3	9	1984	9						15.	
3	9	1984	10						16.	
3	9	1984	12						17.	
3	9	1984	13						16.	
3	9	1984	14						18.	
3	9	1984	16						15.	
3	9	1984	19						19.	
3	9	1984	20						19.	
3	9	1984	21						20.	
3	9	1984	24						17.	
3	9	1984	25						18.	
3	9	1984	28						16.	
3	9	1984	31						19.	
3	9	1984	34						19.5	
3	9	1984	35						16.	
3	9	1984	36						17.	
3	9	1984	37						15.	
3	9	1984	38						19.	
3	9	1984	39						19.	
3	9	1984	40						17.	
3	9	1984	42						16.	
4	9	1984	2						15.	
4	9	1984	4						16.	
4	9	1984	5						17.	
4	9	1984	6						18.	
4	9	1984	7						15.	
4	9	1984	8						16.	
4	9	1984	9						15.	
4	9	1984	10						16.	
4	9	1984	12						17.	
4	9	1984	13						16.	
4	9	1984	14						18.	
4	9	1984	16						15.	
4	9	1984	19						19.	
4	9	1984	20						19.	
4	9	1984	21						20.	
4	9	1984	24						17.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
4	9	1984	25						18.	
4	9	1984	28						16.	
4	9	1984	31						19.	
4	9	1984	34						19.5	
4	9	1984	35						16.	
4	9	1984	36						17.	
4	9	1984	37						15.	
4	9	1984	38						19.	
4	9	1984	39						19.	
4	9	1984	40						17.	
4	9	1984	42						16.	
5	9	1984	2						16.	
5	9	1984	4						17.	
5	9	1984	5						18.	
5	9	1984	6						17.	
5	9	1984	7						16.	
5	9	1984	8						16.	
5	9	1984	9						17.	
5	9	1984	10						16.	
5	9	1984	12						17.	
5	9	1984	13						17.	
5	9	1984	14						17.	
5	9	1984	16						17.	
5	9	1984	19						17.	
5	9	1984	20						17.	
5	9	1984	21						18.	
5	9	1984	24						17.	
5	9	1984	25						18.	
5	9	1984	28						17.	
5	9	1984	31						17.	
5	9	1984	34						17.	
5	9	1984	35						17.	
5	9	1984	36						17.	
5	9	1984	37						16.	
5	9	1984	38						17.	
5	9	1984	39						18.	
5	9	1984	40						17.	
5	9	1984	42						18.	
6	9	1984	2						16.	
6	9	1984	4						17.	
6	9	1984	5						18.	
6	9	1984	6						17.	
6	9	1984	7						16.	
6	9	1984	8						16.	
6	9	1984	9						17.	
6	9	1984	10						16.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
6	9	1984	12						17.	
6	9	1984	13						17.	
6	9	1984	14						17.	
6	9	1984	16						17.	
6	9	1984	19						17.	
6	9	1984	20						17.	
6	9	1984	21						18.	
6	9	1984	24						17.	
6	9	1984	25						18.	
6	9	1984	28						17.	
6	9	1984	31						17.	
6	9	1984	34						17.	
6	9	1984	35						17.	
6	9	1984	36						17.	
6	9	1984	37						16.	
6	9	1984	38						17.	
6	9	1984	39						18.	
6	9	1984	40						17.	
6	9	1984	42						18.	
7	9	1984	2						16.	
7	9	1984	4						17.	
7	9	1984	5						18.	
7	9	1984	6						17.	
7	9	1984	7						16.	
7	9	1984	8						16.	
7	9	1984	9						17.	
7	9	1984	10						16.	
7	9	1984	12						17.	
7	9	1984	13						17.	
7	9	1984	14						17.	
7	9	1984	16						17.	
7	9	1984	19						17.	
7	9	1984	20						17.	
7	9	1984	21						18.	
7	9	1984	24						17.	
7	9	1984	25						18.	
7	9	1984	28						17.	
7	9	1984	31						17.	
7	9	1984	34						17.	
7	9	1984	35						17.	
7	9	1984	36						17.	
7	9	1984	37						16.	
7	9	1984	38						17.	
7	9	1984	39						18.	
7	9	1984	40						17.	
7	9	1984	42						18.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
8	9	1984	2						15.	
8	9	1984	4						16.	
8	9	1984	5						17.	
8	9	1984	6						16.	
8	9	1984	7						1.6	
8	9	1984	8						16.	
8	9	1984	9						16.	
8	9	1984	10						16.	
8	9	1984	12						17.	
8	9	1984	13						17.	
8	9	1984	14						16.	
8	9	1984	16						17.	
8	9	1984	19						16.	
8	9	1984	20						17.	
8	9	1984	21						17.	
8	9	1984	24						16.	
8	9	1984	25						16.	
8	9	1984	28						17.	
8	9	1984	31						16.	
8	9	1984	34						16.	
8	9	1984	35						16.	
8	9	1984	36						16.	
8	9	1984	37						17.	
8	9	1984	38						16.	
8	9	1984	39						17.	
8	9	1984	40						17.	
8	9	1984	42						17.	
9	9	1984	2						15.	
9	9	1984	4						16.	
9	9	1984	5						17.	
9	9	1984	6						16.	
9	9	1984	7						16.	
9	9	1984	8						16.	
9	9	1984	9						16.	
9	9	1984	10						16.	
9	9	1984	12						17.	
9	9	1984	13						17.	
9	9	1984	14						16.	
9	9	1984	16						17.	
9	9	1984	19						16.	
9	9	1984	20						17.	
9	9	1984	21						17.	
9	9	1984	24						16.	
9	9	1984	25						16.	
9	9	1984	28						17.	
9	9	1984	31						16.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
9	9	1984	34						16.	
9	9	1984	35						16.	
9	9	1984	36						16.	
9	9	1984	37						17.	
9	9	1984	38						16.	
9	9	1984	39						17.	
9	9	1984	40						17.	
9	9	1984	42						17.	
10	9	1984	2						15.	
10	9	1984	4						16.	
10	9	1984	5						17.	
10	9	1984	6						16.	
10	9	1984	7						16.	
10	9	1984	8						16.	
10	9	1984	9						16.	
10	9	1984	10						16.	
10	9	1984	12						17.	
10	9	1984	13						17.	
10	9	1984	14						16.	
10	9	1984	16						17.	
10	9	1984	19						16.	
10	9	1984	20						17.	
10	9	1984	21						17.	
10	9	1984	24						16.	
10	9	1984	25						16.	
10	9	1984	28						17.	
10	9	1984	31						16.	
10	9	1984	34						16.	
10	9	1984	35						16.	
10	9	1984	36						16.	
10	9	1984	37						17.	
10	9	1984	38						16.	
10	9	1984	39						17.	
10	9	1984	40						17.	
10	9	1984	42						17.	
11	9	1984	2						10.	
11	9	1984	4						12.	
11	9	1984	5						12.	
11	9	1984	6						11.	
11	9	1984	7						11.	
11	9	1984	8						11.	
11	9	1984	9						12.	
11	9	1984	10						15.	
11	9	1984	12						15.	
11	9	1984	13						10.	
11	9	1984	14						10.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
11	9	1984	16						10.	
11	9	1984	19						12.	
11	9	1984	20						13.	
11	9	1984	21						10.	
11	9	1984	24						15.	
11	9	1984	25						15.	
11	9	1984	28						15.	
11	9	1984	31						11.	
11	9	1984	34						15.	
11	9	1984	35						14.	
11	9	1984	36						15.	
11	9	1984	37						15.	
11	9	1984	38						15.	
11	9	1984	39						13.	
11	9	1984	40						11.	
11	9	1984	42						11.	
12	9	1984	2							
12	9	1984	4							
12	9	1984	5							
12	9	1984	6							
12	9	1984	7							
12	9	1984	8							
12	9	1984	9							
12	9	1984	10							
12	9	1984	12							
12	9	1984	13							
12	9	1984	14							
12	9	1984	16							
12	9	1984	19							
12	9	1984	20							
12	9	1984	21							
12	9	1984	24							
12	9	1984	25							
12	9	1984	28							
12	9	1984	31							
12	9	1984	34							
12	9	1984	35							
12	9	1984	36							
12	9	1984	37							
12	9	1984	38							
12	9	1984	39							
12	9	1984	40							
12	9	1984	42							
13	9	1984	2						11.	
13	9	1984	4						13.	
13	9	1984	5						13.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
13	9	1984	6						13.	
13	9	1984	7						12.	
13	9	1984	8						11.	
13	9	1984	9						13.	
13	9	1984	10						14.	
13	9	1984	12						14.	
13	9	1984	13						11.	
13	9	1984	14						13.	
13	9	1984	16						11.	
13	9	1984	19						12.	
13	9	1984	20						13.	
13	9	1984	21						11.	
13	9	1984	24						16.	
13	9	1984	25						16.	
13	9	1984	28						14.	
13	9	1984	31						12.	
13	9	1984	34						15.	
13	9	1984	35						15.	
13	9	1984	36						16.	
13	9	1984	37						16.	
13	9	1984	38						15.	
13	9	1984	39						14.	
13	9	1984	40						12.	
13	9	1984	42						12.	
14	9	1984	2						11.	
14	9	1984	4						13.	
14	9	1984	5						13.	
14	9	1984	6						13.	
14	9	1984	7						12.	
14	9	1984	8						11.	
14	9	1984	9						13.	
14	9	1984	10						14.	
14	9	1984	12						14.	
14	9	1984	13						11.	
14	9	1984	14						13.	
14	9	1984	16						11.	
14	9	1984	19						12.	
14	9	1984	20						13.	
14	9	1984	21						11.	
14	9	1984	24						14.	
14	9	1984	25						16.	
14	9	1984	28						15.	
14	9	1984	31						15.	
14	9	1984	34						14.	
14	9	1984	35						15.	
14	9	1984	36						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
14	9	1984	37						16.	
14	9	1984	38						15.	
14	9	1984	39						14.	
14	9	1984	40						12.	
14	9	1984	42						12.	
15	9	1984	2						11.	
15	9	1984	4						13.	
15	9	1984	5						14.	
15	9	1984	6						14.	
15	9	1984	7						14.	
15	9	1984	8						12.	
15	9	1984	9						13.	
15	9	1984	10						14.	
15	9	1984	12						15.	
15	9	1984	13						14.	
15	9	1984	14						14.	
15	9	1984	16						12.	
15	9	1984	19						12.	
15	9	1984	20						14.	
15	9	1984	21						12.	
15	9	1984	24						16.	
15	9	1984	25						17.	
15	9	1984	28						13.	
15	9	1984	31						14.	
15	9	1984	34						14.	
15	9	1984	35						17.	
15	9	1984	36						16.	
15	9	1984	37						16.	
15	9	1984	38						16.	
15	9	1984	39						14.	
15	9	1984	40						14.	
15	9	1984	42						13.	
16	9	1984	2							
16	9	1984	4							
16	9	1984	5							
16	9	1984	6							
16	9	1984	7							
16	9	1984	8							
16	9	1984	9							
16	9	1984	10							
16	9	1984	12							
16	9	1984	13							
16	9	1984	14							
16	9	1984	16							
16	9	1984	19							
16	9	1984	20							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
16	9	1984	21							
16	9	1984	24							
16	9	1984	25							
16	9	1984	28							
16	9	1984	31							
16	9	1984	34							
16	9	1984	35							
16	9	1984	36							
16	9	1984	37							
16	9	1984	38							
16	9	1984	39							
16	9	1984	40							
16	9	1984	42							
17	9	1984	2						11.	
17	9	1984	4						13.	
17	9	1984	5						14.	
17	9	1984	6						14.	
17	9	1984	7						14.	
17	9	1984	8						12.	
17	9	1984	9						13.	
17	9	1984	10						14.	
17	9	1984	12						15.	
17	9	1984	13						14.	
17	9	1984	14						14.	
17	9	1984	16						12.	
17	9	1984	19						12.	
17	9	1984	20						14.	
17	9	1984	21						12.	
17	9	1984	24						16.	
17	9	1984	25						17.	
17	9	1984	28						13.	
17	9	1984	31						14.	
17	9	1984	34						14.	
17	9	1984	35						17.	
17	9	1984	36						16.	
17	9	1984	37						16.	
17	9	1984	38						16.	
17	9	1984	39						14.	
17	9	1984	40						14.	
17	9	1984	42						13.	
18	9	1984	2						17.	
18	9	1984	4						17.	
18	9	1984	5						15.	
18	9	1984	6						15.	
18	9	1984	7						15.	
18	9	1984	8						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
18	9	1984	9						15.	
18	9	1984	10						15.	
18	9	1984	12						15.	
18	9	1984	13						15.	
18	9	1984	14						15.	
18	9	1984	16						16.	
18	9	1984	19						14.	
18	9	1984	20						16.	
18	9	1984	21						16.	
18	9	1984	24						16.	
18	9	1984	25						17.	
18	9	1984	28						13.	
18	9	1984	31						12.	
18	9	1984	34						15.	
18	9	1984	35						16.	
18	9	1984	36						15.	
18	9	1984	37						15.	
18	9	1984	38						15.	
18	9	1984	39						15.	
18	9	1984	40						17.	
18	9	1984	42						16.	
19	9	1984	2						15.	
19	9	1984	4						15.	
19	9	1984	5						15.	
19	9	1984	6						14.	
19	9	1984	7						14.	
19	9	1984	8						14.	
19	9	1984	9						15.	
19	9	1984	10						15.	
19	9	1984	12						15.	
19	9	1984	13						15.	
19	9	1984	14						15.	
19	9	1984	16						15.	
19	9	1984	19						16.	
19	9	1984	20						15.	
19	9	1984	21						16.	
19	9	1984	24						16.	
19	9	1984	25						15.	
19	9	1984	28						13.	
19	9	1984	31						13.	
19	9	1984	34						16.	
19	9	1984	35						16.	
19	9	1984	36						15.	
19	9	1984	37						15.	
19	9	1984	38						15.	
19	9	1984	39						17.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
19	9	1984	40						15.	
19	9	1984	42						15.	
21	9	1984	2						10.	
21	9	1984	4						11.	
21	9	1984	5						11.	
21	9	1984	6						9.	
21	9	1984	7						10.	
21	9	1984	8						10.	
21	9	1984	9						10.	
21	9	1984	10						11.	
21	9	1984	12						10.	
21	9	1984	13						10.	
21	9	1984	14						10.	
21	9	1984	16						10.	
21	9	1984	19						11.	
21	9	1984	20						10.	
21	9	1984	21						8.	
21	9	1984	24						10.	
21	9	1984	25						11.	
21	9	1984	28						10.	
21	9	1984	31						8.	
21	9	1984	34						12.	
21	9	1984	35						11.	
21	9	1984	36						11.	
21	9	1984	37						11.	
21	9	1984	38						11.	
21	9	1984	39						11.	
21	9	1984	40						10.	
21	9	1984	42						10.	
22	9	1984	2						11.	
22	9	1984	4						10.	
22	9	1984	5						11.	
22	9	1984	6						10.	
22	9	1984	7						10.	
22	9	1984	8						10.	
22	9	1984	9						10.	
22	9	1984	10						10.	
22	9	1984	12						10.	
22	9	1984	13						11.	
22	9	1984	14						10.	
22	9	1984	16						11.	
22	9	1984	19						11.	
22	9	1984	20						11.	
22	9	1984	21						9.	
22	9	1984	24						10.	
22	9	1984	25						9.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
22	9	1984	28						9.	
22	9	1984	31						8.	
22	9	1984	34						10.	
22	9	1984	35						10.	
22	9	1984	36						10.	
22	9	1984	37						10.	
22	9	1984	38						10.	
22	9	1984	39						11.	
22	9	1984	40						10.	
22	9	1984	42						10.	
23	9	1984	2						11.	
23	9	1984	4						10.	
23	9	1984	5						11.	
23	9	1984	6						10.	
23	9	1984	7						10.	
23	9	1984	8						10.	
23	9	1984	9						10.	
23	9	1984	10						10.	
23	9	1984	12						10.	
23	9	1984	13						11.	
23	9	1984	14						10.	
23	9	1984	16						11.	
23	9	1984	19						11.	
23	9	1984	20						11.	
23	9	1984	21						9.	
23	9	1984	24						10.	
23	9	1984	25						9.	
23	9	1984	28						9.	
23	9	1984	31						8.	
23	9	1984	34						10.	
23	9	1984	35						10.	
23	9	1984	36						10.	
23	9	1984	37						10.	
23	9	1984	38						10.	
23	9	1984	39						11.	
23	9	1984	40						10.	
23	9	1984	42						10.	
24	9	1984	2						11.	
24	9	1984	4						10.	
24	9	1984	5						11.	
24	9	1984	6						10.	
24	9	1984	7						10.	
24	9	1984	8						10.	
24	9	1984	9						10.	
24	9	1984	10						10.	
24	9	1984	12						10.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
24	9	1984	13						10.	
24	9	1984	14						10.	
24	9	1984	16						11.	
24	9	1984	19						11.	
24	9	1984	20						11.	
24	9	1984	21						9.	
24	9	1984	24						11.	
24	9	1984	25						11.	
24	9	1984	28						10.	
24	9	1984	31						10.	
24	9	1984	34						11.	
24	9	1984	35						11.	
24	9	1984	36						11.	
24	9	1984	37						10.	
24	9	1984	38						10.	
24	9	1984	39						11.	
24	9	1984	40						10.	
24	9	1984	42						10.	
25	9	1984	2							
25	9	1984	4							
25	9	1984	5							
25	9	1984	6							
25	9	1984	7							
25	9	1984	8							
25	9	1984	9							
25	9	1984	10							
25	9	1984	12							
25	9	1984	13							
25	9	1984	14							
25	9	1984	16							
25	9	1984	19							
25	9	1984	20							
25	9	1984	21							
25	9	1984	24							
25	9	1984	25							
25	9	1984	28							
25	9	1984	31							
25	9	1984	34							
25	9	1984	35							
25	9	1984	36							
25	9	1984	37							
25	9	1984	38							
25	9	1984	39							
25	9	1984	40							
25	9	1984	42							
27	9	1984	2						13.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
27	9	1984	4						12.	
27	9	1984	5						12.	
27	9	1984	6						11.	
27	9	1984	7						12.	
27	9	1984	8						12.	
27	9	1984	9						12.	
27	9	1984	10						11.	
27	9	1984	12						11.	
27	9	1984	13						11.	
27	9	1984	14						10.	
27	9	1984	16						10.	
27	9	1984	19						11.	
27	9	1984	20						11.	
27	9	1984	21						10.	
27	9	1984	24						12.	
27	9	1984	25						10.	
27	9	1984	28						10.	
27	9	1984	31						8.	
27	9	1984	34						10.	
27	9	1984	35						11.	
27	9	1984	36						10.	
27	9	1984	37						10.	
27	9	1984	38						10.	
27	9	1984	39						10.	
27	9	1984	40						9.	
27	9	1984	42						10.	
28	9	1984	2						13.	
28	9	1984	4						12.	
28	9	1984	5						12.	
28	9	1984	6						11.	
28	9	1984	7						12.	
28	9	1984	8						12.	
28	9	1984	9						12.	
28	9	1984	10						11.	
28	9	1984	12						11.	
28	9	1984	13						11.	
28	9	1984	14						10.	
28	9	1984	16						10.	
28	9	1984	19						11.	
28	9	1984	20						11.	
28	9	1984	21						10.	
28	9	1984	24						12.	
28	9	1984	25						10.	
28	9	1984	28						10.	
28	9	1984	31						8.	
28	9	1984	34						10.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
28	9	1984	35						11.	
28	9	1984	36						10.	
28	9	1984	37						10.	
28	9	1984	38						10.	
28	9	1984	39						10.	
28	9	1984	40						9.	
28	9	1984	42						10.	
29	9	1984	2						13.	
29	9	1984	4						12.	
29	9	1984	5						12.	
29	9	1984	6						11.	
29	9	1984	7						12.	
29	9	1984	8						12.	
29	9	1984	9						12.	
29	9	1984	10						11.	
29	9	1984	12						11.	
29	9	1984	13						11.	
29	9	1984	14						10.	
29	9	1984	16						10.	
29	9	1984	19						10.	
29	9	1984	20						10.	
29	9	1984	21						10.	
29	9	1984	24						12.	
29	9	1984	25						10.	
29	9	1984	28						10.	
29	9	1984	31						8.	
29	9	1984	34						10.	
29	9	1984	35						11.	
29	9	1984	36						10.	
29	9	1984	37						10.	
29	9	1984	38						10.	
29	9	1984	39						10.	
29	9	1984	40						9.	
29	9	1984	42						10.	
30	9	1984	2							
30	9	1984	4							
30	9	1984	5							
30	9	1984	6							
30	9	1984	7							
30	9	1984	8							
30	9	1984	9							
30	9	1984	10							
30	9	1984	12							
30	9	1984	13							
30	9	1984	14							
30	9	1984	16							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
30	9	1984	19							
30	9	1984	20							
30	9	1984	21							
30	9	1984	24							
30	9	1984	25							
30	9	1984	28							
30	9	1984	31							
30	9	1984	34							
30	9	1984	35							
30	9	1984	36							
30	9	1984	37							
30	9	1984	38							
30	9	1984	39							
30	9	1984	40							
30	9	1984	42							
1	10	1984	2						11.	
1	10	1984	4						11.	
1	10	1984	5						11.	
1	10	1984	6						11.	
1	10	1984	7						11.	
1	10	1984	8						11.	
1	10	1984	9						11.	
1	10	1984	10						11.	
1	10	1984	12						11.	
1	10	1984	13						11.	
1	10	1984	14						11.	
1	10	1984	16						11.	
1	10	1984	19						11.	
1	10	1984	20						11.	
1	10	1984	21						11.	
1	10	1984	24						11.	
1	10	1984	25						11.	
1	10	1984	28						11.	
1	10	1984	31						11.	
1	10	1984	34						11.	
1	10	1984	35						11.	
1	10	1984	36						11.	
1	10	1984	37						11.	
1	10	1984	38						11.	
1	10	1984	39						11.	
1	10	1984	40						11.	
1	10	1984	42						11.	
2	10	1984	2						11.	
2	10	1984	4						11.	
2	10	1984	5						11.	
2	10	1984	6						11.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
2	10	1984	7						11.	
2	10	1984	8						11.	
2	10	1984	9						11.	
2	10	1984	10						11.	
2	10	1984	12						11.	
2	10	1984	13						11.	
2	10	1984	14						11.	
2	10	1984	16						11.	
2	10	1984	19						11.	
2	10	1984	20						11.	
2	10	1984	21						11.	
2	10	1984	24						11.	
2	10	1984	25						11.	
2	10	1984	28						11.	
2	10	1984	31						11.	
2	10	1984	34						11.	
2	10	1984	35						11.	
2	10	1984	36						11.	
2	10	1984	37						11.	
2	10	1984	38						11.	
2	10	1984	39						11.	
2	10	1984	40						11.	
2	10	1984	42						11.	
3	10	1984	2						11.	
3	10	1984	4						11.	
3	10	1984	5						10.	
3	10	1984	6						10.	
3	10	1984	7						11.	
3	10	1984	8						12.	
3	10	1984	9						12.	
3	10	1984	10						11.	
3	10	1984	12						11.	
3	10	1984	13						11.	
3	10	1984	14						11.	
3	10	1984	16						10.	
3	10	1984	19						13.	
3	10	1984	20						11.	
3	10	1984	21						12.	
3	10	1984	24						12.	
3	10	1984	25						11.	
3	10	1984	28						11.	
3	10	1984	31						10.	
3	10	1984	34						12.	
3	10	1984	35						14.	
3	10	1984	36						10.	
3	10	1984	37						12.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
3	10	1984	38						10.	
3	10	1984	39						11.	
3	10	1984	40						12.	
3	10	1984	42						12.	
4	10	1984	2						11.	
4	10	1984	4						11.	
4	10	1984	5						11.	
4	10	1984	6						11.	
4	10	1984	7						11.	
4	10	1984	8						13.	
4	10	1984	9						13.	
4	10	1984	10						11.	
4	10	1984	12						11.	
4	10	1984	13						11.	
4	10	1984	14						11.	
4	10	1984	16						11.	
4	10	1984	19						13.	
4	10	1984	20						11.	
4	10	1984	21						13.	
4	10	1984	24						13.	
4	10	1984	25						11.	
4	10	1984	28						11.	
4	10	1984	31						11.	
4	10	1984	34						13.	
4	10	1984	35						14.	
4	10	1984	36						11.	
4	10	1984	37						13.	
4	10	1984	38						11.	
4	10	1984	39						11.	
4	10	1984	40						13.	
4	10	1984	42						13.	
5	10	1984	2						11.	
5	10	1984	4						11.	
5	10	1984	5						10.	
5	10	1984	6						10.	
5	10	1984	7						11.	
5	10	1984	8						12.	
5	10	1984	9						12.	
5	10	1984	10						11.	
5	10	1984	12						11.	
5	10	1984	13						11.	
5	10	1984	14						11.	
5	10	1984	16						10.	
5	10	1984	19						13.	
5	10	1984	20						11.	
5	10	1984	21						12.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
5	10	1984	24						10.	
5	10	1984	25						11.	
5	10	1984	28						11.	
5	10	1984	31						10.	
5	10	1984	34						12.	
5	10	1984	35						14.	
5	10	1984	36						10.	
5	10	1984	37						12.	
5	10	1984	38						10.	
5	10	1984	39						11.	
5	10	1984	40						12.	
5	10	1984	42						12.	
6	10	1984	2						11.	
6	10	1984	4						11.	
6	10	1984	5						11.	
6	10	1984	6						11.	
6	10	1984	7						11.	
6	10	1984	8						9.	
6	10	1984	9						11.	
6	10	1984	10						11.	
6	10	1984	12						11.	
6	10	1984	13						12.	
6	10	1984	14						12.	
6	10	1984	16						12.	
6	10	1984	19						11.	
6	10	1984	20						11.	
6	10	1984	21						10.	
6	10	1984	24						11.	
6	10	1984	25						12.	
6	10	1984	28						11.	
6	10	1984	31						12.	
6	10	1984	34						11.	
6	10	1984	35						11.	
6	10	1984	36						12.	
6	10	1984	37						11.	
6	10	1984	38						11.	
6	10	1984	39						12.	
6	10	1984	40						11.	
6	10	1984	42						9.	
7	10	1984	2						11.	
7	10	1984	4						11.	
7	10	1984	5						11.	
7	10	1984	6						11.	
7	10	1984	7						11.	
7	10	1984	8						9.	
7	10	1984	9						11.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
7	10	1984	10						11.	
7	10	1984	12						11.	
7	10	1984	13						12.	
7	10	1984	14						12.	
7	10	1984	16						12.	
7	10	1984	19						11.	
7	10	1984	20						11.	
7	10	1984	21						10.	
7	10	1984	24						11.	
7	10	1984	25						12.	
7	10	1984	28						11.	
7	10	1984	31						12.	
7	10	1984	34						11.	
7	10	1984	35						11.	
7	10	1984	36						12.	
7	10	1984	37						11.	
7	10	1984	38						11.	
7	10	1984	39						10.	
7	10	1984	40						11.	
7	10	1984	42						9.	
8	10	1984	2						11.	
8	10	1984	4						10.	
8	10	1984	5						11.	
8	10	1984	6						11.	
8	10	1984	7						11.	
8	10	1984	8						10.	
8	10	1984	9						11.	
8	10	1984	10						11.	
8	10	1984	12						10.	
8	10	1984	13						10.	
8	10	1984	14						10.	
8	10	1984	16						11.	
8	10	1984	19						10.	
8	10	1984	20						11.	
8	10	1984	21						11.	
8	10	1984	24						11.	
8	10	1984	25						11.	
8	10	1984	28						10.	
8	10	1984	31						11.	
8	10	1984	34						12.	
8	10	1984	35						12.	
8	10	1984	36						11.	
8	10	1984	37						11.	
8	10	1984	38						11.	
8	10	1984	39						11.	
8	10	1984	40						11.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
8	10	1984	42						11.	
9	10	1984	2						11.	
9	10	1984	4						10.	
9	10	1984	5						11.	
9	10	1984	6						11.	
9	10	1984	7						11.	
9	10	1984	8						11.	
9	10	1984	9						11.	
9	10	1984	10						10.	
9	10	1984	12						10.	
9	10	1984	13						10.	
9	10	1984	14						10.	
9	10	1984	16						11.	
9	10	1984	19						10.	
9	10	1984	20						11.	
9	10	1984	21						11.	
9	10	1984	24						11.	
9	10	1984	25						11.	
9	10	1984	28						11.	
9	10	1984	31						11.	
9	10	1984	34						11.	
9	10	1984	35						11.	
9	10	1984	36						11.	
9	10	1984	37						11.	
9	10	1984	38						11.	
9	10	1984	39						11.	
9	10	1984	40						11.	
9	10	1984	42						10.	
10	10	1984	2						11.	
10	10	1984	4						10.	
10	10	1984	5						11.	
10	10	1984	6						11.	
10	10	1984	7						11.	
10	10	1984	8						11.	
10	10	1984	9						11.	
10	10	1984	10						10.	
10	10	1984	12						10.	
10	10	1984	13						10.	
10	10	1984	14						10.	
10	10	1984	16						11.	
10	10	1984	19						10.	
10	10	1984	20						11.	
10	10	1984	21						11.	
10	10	1984	24						11.	
10	10	1984	25						11.	
10	10	1984	28						11.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
10	10	1984	31						11.	
10	10	1984	34						11.	
10	10	1984	35						11.	
10	10	1984	36						11.	
10	10	1984	37						11.	
10	10	1984	38						11.	
10	10	1984	39						11.	
10	10	1984	40						11.	
10	10	1984	42						10.	
11	10	1984	2						16.	
11	10	1984	4						15.	
11	10	1984	5						15.	
11	10	1984	6						15.	
11	10	1984	7						15.	
11	10	1984	8						14.	
11	10	1984	9						15.	
11	10	1984	10						16.	
11	10	1984	12						15.	
11	10	1984	13						15.	
11	10	1984	14						15.	
11	10	1984	16						15.	
11	10	1984	19						16.	
11	10	1984	20						16.	
11	10	1984	21						16.	
11	10	1984	24						16.	
11	10	1984	25						16.	
11	10	1984	28						15.	
11	10	1984	31						15.	
11	10	1984	34						16.	
11	10	1984	35						16.	
11	10	1984	36						15.	
11	10	1984	37						15.	
11	10	1984	38						15.	
11	10	1984	39						15.	
11	10	1984	40						15.	
11	10	1984	42						15.	
12	10	1984	2						15.	
12	10	1984	4						15.	
12	10	1984	5						15.	
12	10	1984	6						15.	
12	10	1984	7						15.	
12	10	1984	8						14.	
12	10	1984	9						15.	
12	10	1984	10						15.	
12	10	1984	12						15.	
12	10	1984	13						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H20-FLOW
12	10	1984	14						15.	
12	10	1984	16						15.	
12	10	1984	19						15.	
12	10	1984	20						15.	
12	10	1984	21						15.	
12	10	1984	24						16.	
12	10	1984	25						15.	
12	10	1984	28						15.	
12	10	1984	31						15.	
12	10	1984	34						16.	
12	10	1984	35						16.	
12	10	1984	36						15.	
12	10	1984	37						15.	
12	10	1984	38						15.	
12	10	1984	39						15.	
12	10	1984	40						15.	
12	10	1984	42						15.	
13	10	1984	2						15.	
13	10	1984	4						15.	
13	10	1984	5						15.	
13	10	1984	6						15.	
13	10	1984	7						15.	
13	10	1984	8						14.	
13	10	1984	9						16.	
13	10	1984	10						15.	
13	10	1984	12						15.	
13	10	1984	13						15.	
13	10	1984	14						15.	
13	10	1984	16						15.	
13	10	1984	19						15.	
13	10	1984	20						15.	
13	10	1984	21						14.	
13	10	1984	24						15.	
13	10	1984	25						15.	
13	10	1984	28						15.	
13	10	1984	31						15.	
13	10	1984	34						15.	
13	10	1984	35						15.	
13	10	1984	36						15.	
13	10	1984	37						15.	
13	10	1984	38						15.	
13	10	1984	39						15.	
13	10	1984	40						15.	
13	10	1984	42						14.	
14	10	1984	2						15.	
14	10	1984	4						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
14	10	1984	5						15.	
14	10	1984	6						15.	
14	10	1984	7						15.	
14	10	1984	8						15.	
14	10	1984	9						15.	
14	10	1984	10						15.	
14	10	1984	12						15.	
14	10	1984	13						16.	
14	10	1984	14						15.	
14	10	1984	16						15.	
14	10	1984	19						15.	
14	10	1984	20						15.	
14	10	1984	21						15.	
14	10	1984	24						16.	
14	10	1984	25						15.	
14	10	1984	28						15.	
14	10	1984	31						15.	
14	10	1984	34						15.	
14	10	1984	35						15.	
14	10	1984	36						15.	
14	10	1984	37						15.	
14	10	1984	38						15.	
14	10	1984	39						15.	
14	10	1984	40						15.	
14	10	1984	42						15.	
15	10	1984	2						15.	
15	10	1984	4						15.	
15	10	1984	5						15.	
15	10	1984	6						15.	
15	10	1984	7						15.	
15	10	1984	8						15.	
15	10	1984	9						15.	
15	10	1984	10						15.	
15	10	1984	12						14.	
15	10	1984	13						15.	
15	10	1984	14						15.	
15	10	1984	16						15.	
15	10	1984	19						15.	
15	10	1984	20						15.	
15	10	1984	21						15.	
15	10	1984	24						15.	
15	10	1984	25						15.	
15	10	1984	28						14.	
15	10	1984	31						15.	
15	10	1984	34						15.	
15	10	1984	35						15.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
15	10	1984	36						15.	
15	10	1984	37						15.	
15	10	1984	38						14.	
15	10	1984	39						15.	
15	10	1984	40						14.	
15	10	1984	42						14.	
16	10	1984	2						15.	
16	10	1984	4						15.	
16	10	1984	5						15.	
16	10	1984	6						15.	
16	10	1984	7						15.	
16	10	1984	8						15.	
16	10	1984	9						15.	
16	10	1984	10						15.	
16	10	1984	12						14.	
16	10	1984	13						15.	
16	10	1984	14						15.	
16	10	1984	16						15.	
16	10	1984	19						15.	
16	10	1984	20						15.	
16	10	1984	21						15.	
16	10	1984	24						15.	
16	10	1984	25						15.	
16	10	1984	28						14.	
16	10	1984	31						15.	
16	10	1984	34						15.	
16	10	1984	35						15.	
16	10	1984	36						15.	
16	10	1984	37						15.	
16	10	1984	38						14.	
16	10	1984	39						15.	
16	10	1984	40						14.	
16	10	1984	42						14.	
17	10	1984	2							
17	10	1984	4							
17	10	1984	5							
17	10	1984	6							
17	10	1984	7							
17	10	1984	8							
17	10	1984	9							
17	10	1984	10							
17	10	1984	12							
17	10	1984	13							
17	10	1984	14							
17	10	1984	16							
17	10	1984	19							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
17	10	1984	20							
17	10	1984	21							
17	10	1984	24							
17	10	1984	25							
17	10	1984	28							
17	10	1984	31							
17	10	1984	34							
17	10	1984	35							
17	10	1984	36							
17	10	1984	37							
17	10	1984	38							
17	10	1984	39							
17	10	1984	40							
17	10	1984	42							
18	10	1984	2							
18	10	1984	4							
18	10	1984	5							
18	10	1984	6							
18	10	1984	7							
18	10	1984	8							
18	10	1984	9							
18	10	1984	10							
18	10	1984	12							
18	10	1984	13							
18	10	1984	14							
18	10	1984	16							
18	10	1984	19							
18	10	1984	20							
18	10	1984	21							
18	10	1984	24							
18	10	1984	25							
18	10	1984	28							
18	10	1984	31							
18	10	1984	34							
18	10	1984	35							
18	10	1984	36							
18	10	1984	37							
18	10	1984	38							
18	10	1984	39							
18	10	1984	40							
18	10	1984	42							
19	10	1984	2							
19	10	1984	4							
19	10	1984	5							
19	10	1984	6							
19	10	1984	7							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
19	10	1984	8							
19	10	1984	9							
19	10	1984	10							
19	10	1984	12							
19	10	1984	13							
19	10	1984	14							
19	10	1984	16							
19	10	1984	19							
19	10	1984	20							
19	10	1984	21							
19	10	1984	24							
19	10	1984	25							
19	10	1984	28							
19	10	1984	31							
19	10	1984	34							
19	10	1984	35							
19	10	1984	36							
19	10	1984	37							
19	10	1984	38							
19	10	1984	39							
19	10	1984	40							
19	10	1984	42							
20	10	1984	2						11.	
20	10	1984	4						12.	
20	10	1984	5						12.	
20	10	1984	6						13.	
20	10	1984	7						12.	
20	10	1984	8						11.	
20	10	1984	9						13.	
20	10	1984	10						11.	
20	10	1984	12						11.	
20	10	1984	13						12.	
20	10	1984	14						12.	
20	10	1984	16						11.	
20	10	1984	19						13.	
20	10	1984	20						12.	
20	10	1984	21						11.	
20	10	1984	24						13.	
20	10	1984	25						12.	
20	10	1984	28						11.	
20	10	1984	31						11.	
20	10	1984	34						11.	
20	10	1984	35						12.	
20	10	1984	36						11.	
20	10	1984	37						12.	
20	10	1984	38						13.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
20	10	1984	39						13.	
20	10	1984	40						12.	
20	10	1984	42						12.	
21	10	1984	2							
21	10	1984	4							
21	10	1984	5							
21	10	1984	6							
21	10	1984	7							
21	10	1984	8							
21	10	1984	9							
21	10	1984	10							
21	10	1984	12							
21	10	1984	13							
21	10	1984	14							
21	10	1984	16							
21	10	1984	19							
21	10	1984	20							
21	10	1984	21							
21	10	1984	24							
21	10	1984	25							
21	10	1984	28							
21	10	1984	31							
21	10	1984	34							
21	10	1984	35							
21	10	1984	36							
21	10	1984	37							
21	10	1984	38							
21	10	1984	39							
21	10	1984	40							
21	10	1984	42							
22	10	1984	2						11.	
22	10	1984	4						12.	
22	10	1984	5						12.	
22	10	1984	6						13.	
22	10	1984	7						12.	
22	10	1984	8						11.	
22	10	1984	9						13.	
22	10	1984	10						11.	
22	10	1984	12						11.	
22	10	1984	13						12.	
22	10	1984	14						12.	
22	10	1984	16						11.	
22	10	1984	19						13.	
22	10	1984	20						12.	
22	10	1984	21						11.	
22	10	1984	24						13.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
22	10	1984	25						12.6	
22	10	1984	28						11.6	
22	10	1984	31						11.	
22	10	1984	34						11.	
22	10	1984	35						12.	
22	10	1984	36						11.	
22	10	1984	37						12.	
22	10	1984	38						13.	
22	10	1984	39						13.	
22	10	1984	40						12.	
22	10	1984	42						12.	
23	10	1984	2						15.	
23	10	1984	4						14.	
23	10	1984	5						14.	
23	10	1984	6						14.	
23	10	1984	7						13.	
23	10	1984	8						13.	
23	10	1984	9						14.	
23	10	1984	10						14.	
23	10	1984	12						13.	
23	10	1984	13						14.	
23	10	1984	14						14.	
23	10	1984	16						14.	
23	10	1984	19						15.	
23	10	1984	20						14.	
23	10	1984	21						13.	
23	10	1984	24						14.	
23	10	1984	25						14.	
23	10	1984	28						13.	
23	10	1984	31						12.	
23	10	1984	34						15.	
23	10	1984	35						15.	
23	10	1984	36						14.	
23	10	1984	37						13.	
23	10	1984	38						12.	
23	10	1984	39						14.	
23	10	1984	40						13.	
23	10	1984	42						13.	
24	10	1984	2						15.	
24	10	1984	4						14.	
24	10	1984	5						14.	
24	10	1984	6						14.	
24	10	1984	7						13.	
24	10	1984	8						13.	
24	10	1984	9						14.	
24	10	1984	10						14.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
24	10	1984	12						13.	
24	10	1984	13						14.	
24	10	1984	14						14.	
24	10	1984	16						14.	
24	10	1984	19						15.	
24	10	1984	20						14.	
24	10	1984	21						13.	
24	10	1984	24						14.	
24	10	1984	25						14.	
24	10	1984	28						13.	
24	10	1984	31						12.	
24	10	1984	34						15.	
24	10	1984	35						15.	
24	10	1984	36						14.	
24	10	1984	37						13.	
24	10	1984	38						12.	
24	10	1984	39						14.	
24	10	1984	40						13.	
24	10	1984	42						13.	
25	10	1984	2							
25	10	1984	4							
25	10	1984	5							
25	10	1984	6							
25	10	1984	7							
25	10	1984	8							
25	10	1984	9							
25	10	1984	10							
25	10	1984	12							
25	10	1984	13							
25	10	1984	14							
25	10	1984	16							
25	10	1984	19							
25	10	1984	20							
25	10	1984	21							
25	10	1984	24							
25	10	1984	25							
25	10	1984	28							
25	10	1984	31							
25	10	1984	34							
25	10	1984	35							
25	10	1984	36							
25	10	1984	37							
25	10	1984	38							
25	10	1984	39							
25	10	1984	40							
25	10	1984	42							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
26	10	1984	2						13.	
26	10	1984	4						14.	
26	10	1984	5						14.	
26	10	1984	6						15.	
26	10	1984	7						14.	
26	10	1984	8						14.	
26	10	1984	9						15.	
26	10	1984	10						15.	
26	10	1984	12						15.	
26	10	1984	13						14.	
26	10	1984	14						14.	
26	10	1984	16						15.	
26	10	1984	19						15.	
26	10	1984	20						15.	
26	10	1984	21						14.	
26	10	1984	24						14.	
26	10	1984	25						13.	
26	10	1984	28						14.	
26	10	1984	31						13.	
26	10	1984	34						13.	
26	10	1984	35						14.	
26	10	1984	36						14.	
26	10	1984	37						14.	
26	10	1984	38						14.	
26	10	1984	39						14.	
26	10	1984	40						13.	
26	10	1984	42						13.	
27	10	1984	2						11.	
27	10	1984	4						11.	
27	10	1984	5						11.	
27	10	1984	6						11.	
27	10	1984	7						11.	
27	10	1984	8						11.	
27	10	1984	9						10.	
27	10	1984	10						10.	
27	10	1984	12						11.	
27	10	1984	13						11.	
27	10	1984	14						10.	
27	10	1984	16						11.	
27	10	1984	19						11.	
27	10	1984	20						10.	
27	10	1984	21						10.	
27	10	1984	24						12.	
27	10	1984	25						11.	
27	10	1984	28						11.	
27	10	1984	31						10.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
27	10	1984	34						10.	
27	10	1984	35						11.	
27	10	1984	36						10.	
27	10	1984	37						10.	
27	10	1984	38						10.	
27	10	1984	39						11.	
27	10	1984	40						10.	
27	10	1984	42						10.	
28	10	1984	2						11.	
28	10	1984	4						11.	
28	10	1984	5						11.	
28	10	1984	6						11.	
28	10	1984	7						11.	
28	10	1984	8						11.	
28	10	1984	9						10.	
28	10	1984	10						10.	
28	10	1984	12						11.	
28	10	1984	13						11.	
28	10	1984	14						10.	
28	10	1984	16						11.	
28	10	1984	19						11.	
28	10	1984	20						10.	
28	10	1984	21						10.	
28	10	1984	24						12.	
28	10	1984	25						11.	
28	10	1984	28						11.	
28	10	1984	31						10.	
28	10	1984	34						10.	
28	10	1984	35						11.	
28	10	1984	36						10.	
28	10	1984	37						10.	
28	10	1984	38						10.	
28	10	1984	39						11.	
28	10	1984	40						10.	
28	10	1984	42						10.	
29	10	1984	2						11.	
29	10	1984	4						11.	
29	10	1984	5						11.	
29	10	1984	6						11.	
29	10	1984	7						11.	
29	10	1984	8						11.	
29	10	1984	9						10.	
29	10	1984	10						10.	
29	10	1984	12						11.	
29	10	1984	13						11.	
29	10	1984	14						10.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
29	10	1984	16						11.	
29	10	1984	19						11.	
29	10	1984	20						10.	
29	10	1984	21						10.	
29	10	1984	24						12.	
29	10	1984	25						12.	
29	10	1984	28						11.	
29	10	1984	31						11.	
29	10	1984	34						10.	
29	10	1984	35						11.	
29	10	1984	36						10.	
29	10	1984	37						10.	
29	10	1984	38						10.	
29	10	1984	39						11.	
29	10	1984	40						10.	
29	10	1984	42						10.	
30	10	1984	2						11.	
30	10	1984	4						11.	
30	10	1984	5						11.	
30	10	1984	6						11.	
30	10	1984	7						11.	
30	10	1984	8						11.	
30	10	1984	9						10.	
30	10	1984	10						10.	
30	10	1984	12						11.	
30	10	1984	13						11.	
30	10	1984	14						10.	
30	10	1984	16						11.	
30	10	1984	19						11.	
30	10	1984	20						10.	
30	10	1984	21						10.	
30	10	1984	24						12.	
30	10	1984	25						11.	
30	10	1984	28						11.	
30	10	1984	31						11.	
30	10	1984	34						11.	
30	10	1984	35						10.	
30	10	1984	36						10.	
30	10	1984	37						10.	
30	10	1984	38						10.	
30	10	1984	39						11.	
30	10	1984	40						10.	
30	10	1984	42						10.	
31	10	1984	2						11.	
31	10	1984	4						12.	
31	10	1984	5						12.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
31	10	1984	6						11.	
31	10	1984	7						12.	
31	10	1984	8						11.	
31	10	1984	9						10.	
31	10	1984	10						10.	
31	10	1984	12						11.	
31	10	1984	13						11.	
31	10	1984	14						10.	
31	10	1984	16						11.	
31	10	1984	19						12.	
31	10	1984	20						12.	
31	10	1984	21						10.	
31	10	1984	24						13.	
31	10	1984	25						12.	
31	10	1984	28						14.	
31	10	1984	31						10.	
31	10	1984	34						12.	
31	10	1984	35						11.	
31	10	1984	36						11.	
31	10	1984	37						10.	
31	10	1984	38						10.	
31	10	1984	39						11.	
31	10	1984	40						11.	
31	10	1984	42						10.	
1	11	1984	10						10.	
1	11	1984	10						10.	
1	11	1984	12						11.	
1	11	1984	12						11.	
1	11	1984	13						11.	
1	11	1984	13						11.	
1	11	1984	14						10.	
1	11	1984	14						10.	
1	11	1984	16						11.	
1	11	1984	16						11.	
1	11	1984	19						12.	
1	11	1984	19						12.	
1	11	1984	2						11.	
1	11	1984	2						11.	
1	11	1984	20						12.	
1	11	1984	20						12.	
1	11	1984	21						10.	
1	11	1984	21						10.	
1	11	1984	24						13.	
1	11	1984	24						13.	
1	11	1984	25						12.	
1	11	1984	25						12.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
1	11	1984	28						14.	
1	11	1984	28						14.	
1	11	1984	31						10.	
1	11	1984	31						10.	
1	11	1984	34						12.	
1	11	1984	34						12.	
1	11	1984	35						11.	
1	11	1984	35						11.	
1	11	1984	36						11.	
1	11	1984	36						11.	
1	11	1984	37						10.	
1	11	1984	37						10.	
1	11	1984	38						10.	
1	11	1984	39						11.	
1	11	1984	4						12.	
1	11	1984	4						12.	
1	11	1984	40						11.	
1	11	1984	42						10.	
1	11	1984	5						12.	
1	11	1984	5						12.	
1	11	1984	6						11.	
1	11	1984	6						11.	
1	11	1984	7						12.	
1	11	1984	7						12.	
1	11	1984	8						11.	
1	11	1984	8						11.	
1	11	1984	9						10.	
1	11	1984	9						10.	
2	11	1984	10						10.	
2	11	1984	12						11.	
2	11	1984	13						11.	
2	11	1984	14						10.	
2	11	1984	16						11.	
2	11	1984	19						12.	
2	11	1984	2						11.	
2	11	1984	20						12.	
2	11	1984	21						10.	
2	11	1984	24						13.	
2	11	1984	25						12.	
2	11	1984	28						14.	
2	11	1984	31						10.	
2	11	1984	34						12.	
2	11	1984	35						11.	
2	11	1984	36						11.	
2	11	1984	36						11.	
2	11	1984	37						10.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
2	11	1984	37						10.	
2	11	1984	38						10.	
2	11	1984	38						10.	
2	11	1984	39						11.	
2	11	1984	39						11.	
2	11	1984	4						12.	
2	11	1984	40						11.	
2	11	1984	40						11.	
2	11	1984	42						10.	
2	11	1984	42						10.	
2	11	1984	5						12.	
2	11	1984	6						11.	
2	11	1984	7						12.	
2	11	1984	8						11.	
2	11	1984	9						10.	
3	11	1984	10						10.	
3	11	1984	12						10.	
3	11	1984	13						10.	
3	11	1984	14						10.	
3	11	1984	16						10.	
3	11	1984	19						10.	
3	11	1984	2						9.	
3	11	1984	20						10.	
3	11	1984	21						10.	
3	11	1984	24						10.	
3	11	1984	25						10.	
3	11	1984	28						8.	
3	11	1984	31						8.	
3	11	1984	34						9.	
3	11	1984	35						10.	
3	11	1984	36						8.	
3	11	1984	37						9.	
3	11	1984	38						8.	
3	11	1984	39						8.	
3	11	1984	4						10.	
3	11	1984	40						8.	
3	11	1984	42						8.	
3	11	1984	5						9.	
3	11	1984	6						10.	
3	11	1984	7						10.	
3	11	1984	8						9.	
3	11	1984	9						10.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
31	1	1985	4						34.	
31	1	1985	7						34.	
31	1	1985	13						34.	
31	1	1985	14						33.	
31	1	1985	16						35.	
31	1	1985	21						32.	
31	1	1985	25						33.	
31	1	1985	28						33.	
31	1	1985	34						32.	
31	1	1985	35						33.	
31	1	1985	37						32.	
31	1	1985	42						32.	
1	2	1985	4						35.	
1	2	1985	7						35.	
1	2	1985	13						35.	
1	2	1985	14						34.	
1	2	1985	16						36.	
1	2	1985	21						34.	
1	2	1985	25						34.	
1	2	1985	28						35.	
1	2	1985	34						33.	
1	2	1985	35						32.	
1	2	1985	37						35.	
1	2	1985	42						34.	
2	2	1985	4						35.	
2	2	1985	7						35.	
2	2	1985	13						35.	
2	2	1985	14						34.	
2	2	1985	16						36.	
2	2	1985	21						34.	
2	2	1985	25						34.	
2	2	1985	28						35.	
2	2	1985	34						33.	
2	2	1985	35						32.	
2	2	1985	37						35.	
2	2	1985	42						34.	
3	2	1985	4							
3	2	1985	7							
3	2	1985	13							
3	2	1985	14							
3	2	1985	16							
3	2	1985	21							
3	2	1985	25							
3	2	1985	28							
3	2	1985	34							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
3	2	1985	35							
3	2	1985	37							
3	2	1985	42							
4	2	1985	4						35.	
4	2	1985	7						35.	
4	2	1985	13						35.	
4	2	1985	14						34.	
4	2	1985	16						36.	
4	2	1985	21						34.	
4	2	1985	25						34.	
4	2	1985	28						35.	
4	2	1985	34						33.	
4	2	1985	35						32.	
4	2	1985	37						35.	
4	2	1985	42						34.	
5	2	1985	4							
5	2	1985	7							
5	2	1985	13							
5	2	1985	14							
5	2	1985	16							
5	2	1985	21							
5	2	1985	25							
5	2	1985	28							
5	2	1985	34							
5	2	1985	35							
5	2	1985	37							
5	2	1985	42							
6	2	1985	4						38.	
6	2	1985	7						35.	
6	2	1985	13						43.	
6	2	1985	14						40.	
6	2	1985	16						44.	
6	2	1985	21						40.	
6	2	1985	25						37.	
6	2	1985	28						34.	
6	2	1985	34						38.	
6	2	1985	35						39.	
6	2	1985	37						38.	
6	2	1985	42						38.	
8	2	1985	4							
8	2	1985	7							
8	2	1985	13							
8	2	1985	14							
8	2	1985	16							
8	2	1985	21							
8	2	1985	25							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
8	2	1985	28							
8	2	1985	34							
8	2	1985	35							
8	2	1985	37							
8	2	1985	42							
9	2	1985	4						38.	
9	2	1985	7						35.	
9	2	1985	13						43.	
9	2	1985	14						40.	
9	2	1985	16						44.	
9	2	1985	21						40.	
9	2	1985	25						37.	
9	2	1985	28						34.	
9	2	1985	34						38.	
9	2	1985	35						39.	
9	2	1985	37						38.	
9	2	1985	42						38.	
10	2	1985	4						38.	
10	2	1985	7						35.	
10	2	1985	13						43.	
10	2	1985	14						40.	
10	2	1985	16						44.	
10	2	1985	21						40.	
10	2	1985	25						37.	
10	2	1985	28						34.	
10	2	1985	34						38.	
10	2	1985	35						39.	
10	2	1985	37						38.	
10	2	1985	42						38.	
11	2	1985	4						38.	
11	2	1985	7						35.	
11	2	1985	13						43.	
11	2	1985	14						40.	
11	2	1985	16						44.	
11	2	1985	21						40.	
11	2	1985	25						25.	
11	2	1985	28						34.	
11	2	1985	34						38.	
11	2	1985	35						39.	
11	2	1985	37						38.	
11	2	1985	42						38.	
12	2	1985	4						39.	
12	2	1985	7						37.	
12	2	1985	13						33.	
12	2	1985	14						33.	
12	2	1985	16						33.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
12	2	1985	21						35.	
12	2	1985	25						39.	
12	2	1985	28						38.	
12	2	1985	34						34.	
12	2	1985	35						34.	
12	2	1985	37						33.	
12	2	1985	42						34.	
13	2	1985	4						37.	
13	2	1985	7						36.	
13	2	1985	13						37.	
13	2	1985	14						36.	
13	2	1985	16						38.	
13	2	1985	21						37.	
13	2	1985	25						38.	
13	2	1985	28						37.	
13	2	1985	34						36.	
13	2	1985	35						37.	
13	2	1985	37						36.	
13	2	1985	42						38.	
14	2	1985	4						37.	
14	2	1985	7						36.	
14	2	1985	13						35.	
14	2	1985	14						36.	
14	2	1985	16						36.	
14	2	1985	21						35.	
14	2	1985	25						39.	
14	2	1985	28						37.	
14	2	1985	34						37.	
14	2	1985	35						36.	
14	2	1985	37						36.	
14	2	1985	42						35.	
15	2	1985	4						37.	
15	2	1985	7						36.	
15	2	1985	13						37.	
15	2	1985	14						36.	
15	2	1985	16						38.	
15	2	1985	21						37.	
15	2	1985	25						38.	
15	2	1985	28						37.	
15	2	1985	34						36.	
15	2	1985	35						37.	
15	2	1985	37						36.	
15	2	1985	42						38.	
16	2	1985	4						38.	
16	2	1985	7						40.	
16	2	1985	13						36.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
16	2	1985	14						36.	
16	2	1985	16						37.	
16	2	1985	21						36.	
16	2	1985	25						35.	
16	2	1985	28						34.	
16	2	1985	34						36.	
16	2	1985	35						37.	
16	2	1985	37						35.	
16	2	1985	42						35.	
17	2	1985	4							
17	2	1985	7							
17	2	1985	13							
17	2	1985	14							
17	2	1985	16							
17	2	1985	21							
17	2	1985	25							
17	2	1985	28							
17	2	1985	34							
17	2	1985	35							
17	2	1985	37							
17	2	1985	42							
18	2	1985	4						38.	
18	2	1985	7						40.	
18	2	1985	13						36.	
18	2	1985	14						36.	
18	2	1985	16						37.	
18	2	1985	21						36.	
18	2	1985	25						35.	
18	2	1985	28						34.	
18	2	1985	34						36.	
18	2	1985	35						37.	
18	2	1985	37						35.	
18	2	1985	42						35.	
19	2	1985	4						41.	
19	2	1985	7						40.	
19	2	1985	13						38.	
19	2	1985	14						38.	
19	2	1985	16						38.	
19	2	1985	21						40.	
19	2	1985	25						40.	
19	2	1985	28						36.	
19	2	1985	34						40.	
19	2	1985	35						40.	
19	2	1985	37						39.	
19	2	1985	42						37.	
20	2	1985	4						44.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
20	2	1985	7						41.	
20	2	1985	13						40.	
20	2	1985	14						40.	
20	2	1985	16						42.	
20	2	1985	21						42.	
20	2	1985	25						45.	
20	2	1985	28						42.	
20	2	1985	34						41.	
20	2	1985	35						41.	
20	2	1985	37						41.	
20	2	1985	42						41.	
21	2	1985	4							
21	2	1985	7							
21	2	1985	13							
21	2	1985	14							
21	2	1985	16							
21	2	1985	21							
21	2	1985	25							
21	2	1985	28							
21	2	1985	34							
21	2	1985	35							
21	2	1985	37							
21	2	1985	42							
22	2	1985	4						44.	
22	2	1985	7						40.	
22	2	1985	13						39.	
22	2	1985	14						40.	
22	2	1985	16						41.	
22	2	1985	21						41.	
22	2	1985	25						42.	
22	2	1985	28						42.	
22	2	1985	34						41.	
22	2	1985	35						41.	
22	2	1985	37						41.	
22	2	1985	42						41.	
23	2	1985	4							
23	2	1985	7							
23	2	1985	13							
23	2	1985	14							
23	2	1985	16							
23	2	1985	21							
23	2	1985	25							
23	2	1985	28							
23	2	1985	34							
23	2	1985	35							
23	2	1985	37							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
23	2	1985	42							
24	2	1985	4							
24	2	1985	7							
24	2	1985	13							
24	2	1985	14							
24	2	1985	16							
24	2	1985	21							
24	2	1985	25							
24	2	1985	28							
24	2	1985	34							
24	2	1985	35							
24	2	1985	37							
24	2	1985	42							
25	2	1985	4							
25	2	1985	7							
25	2	1985	13							
25	2	1985	14							
25	2	1985	16							
25	2	1985	21							
25	2	1985	25							
25	2	1985	28							
25	2	1985	34							
25	2	1985	35							
25	2	1985	37							
25	2	1985	42							
26	2	1985	4						46.	
26	2	1985	7						43.	
26	2	1985	13						40.	
26	2	1985	14						43.	
26	2	1985	16						44.	
26	2	1985	21						42.	
26	2	1985	25						45.	
26	2	1985	28						44.	
26	2	1985	34						43.	
26	2	1985	35						43.	
26	2	1985	37						43.	
26	2	1985	42						40.	
27	2	1985	4						48.	
27	2	1985	7						45.	
27	2	1985	13						44.	
27	2	1985	14						45.	
27	2	1985	16						47.	
27	2	1985	21						44.	
27	2	1985	25						47.	
27	2	1985	28						46.	
27	2	1985	34						45.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
27	2	1985	35						45.	
27	2	1985	37						46.	
27	2	1985	42						43.	
2	3	1985	4							
2	3	1985	7							
2	3	1985	13							
2	3	1985	14							
2	3	1985	16							
2	3	1985	21							
2	3	1985	25							
2	3	1985	28							
2	3	1985	34							
2	3	1985	35							
2	3	1985	37							
2	3	1985	42							
3	3	1985	4						51.	
3	3	1985	7						44.	
3	3	1985	13						44.	
3	3	1985	14						48.	
3	3	1985	16						50.	
3	3	1985	21						45.	
3	3	1985	25						49.	
3	3	1985	28						46.	
3	3	1985	34						46.	
3	3	1985	35						47.	
3	3	1985	37						47.	
3	3	1985	42						44.	
4	3	1985	4						51.	
4	3	1985	7						44.	
4	3	1985	13						44.	
4	3	1985	14						48.	
4	3	1985	16						50.	
4	3	1985	21						45.	
4	3	1985	25						49.	
4	3	1985	28						46.	
4	3	1985	34						46.	
4	3	1985	35						47.	
4	3	1985	37						47.	
4	3	1985	42						44.	
5	3	1985	4							
5	3	1985	7							
5	3	1985	13							
5	3	1985	14							
5	3	1985	16							
5	3	1985	21							
5	3	1985	25							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
5	3	1985	28							
5	3	1985	34							
5	3	1985	35							
5	3	1985	37							
5	3	1985	42							
6	3	1985	4						51.	
6	3	1985	7						48.	
6	3	1985	13						47.	
6	3	1985	14						50.	
6	3	1985	16						51.	
6	3	1985	21						47.	
6	3	1985	25						52.	
6	3	1985	28						51.	
6	3	1985	34						50.	
6	3	1985	35						50.	
6	3	1985	37						51.	
6	3	1985	42						46.	
7	3	1985	4							
7	3	1985	7							
7	3	1985	13							
7	3	1985	14							
7	3	1985	16							
7	3	1985	21							
7	3	1985	25							
7	3	1985	28							
7	3	1985	34							
7	3	1985	35							
7	3	1985	37							
7	3	1985	42							
8	3	1985	4						55.	
8	3	1985	7						52.	
8	3	1985	13						48.	
8	3	1985	14						51.	
8	3	1985	16						53.	
8	3	1985	21						49.	
8	3	1985	25						55.	
8	3	1985	28						55.	
8	3	1985	34						51.	
8	3	1985	35						52.	
8	3	1985	37						55.	
8	3	1985	42						47.	
9	3	1985	4						52.	
9	3	1985	7						48.	
9	3	1985	13						48.	
9	3	1985	14						51.	
9	3	1985	16						53.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
9	3	1985	21						50.	
9	3	1985	25						53.	
9	3	1985	28						51.	
9	3	1985	34						51.	
9	3	1985	35						51.	
9	3	1985	37						54.	
9	3	1985	42						47.	
10	3	1985	4							
10	3	1985	7							
10	3	1985	13							
10	3	1985	14							
10	3	1985	16							
10	3	1985	21							
10	3	1985	25							
10	3	1985	28							
10	3	1985	34							
10	3	1985	35							
10	3	1985	37							
10	3	1985	42							
11	3	1985	4							
11	3	1985	7							
11	3	1985	13							
11	3	1985	14							
11	3	1985	16							
11	3	1985	21							
11	3	1985	25							
11	3	1985	28							
11	3	1985	34							
11	3	1985	35							
11	3	1985	37							
11	3	1985	42							
12	3	1985	4						55.	
12	3	1985	7						52.	
12	3	1985	13						50.	
12	3	1985	14						53.	
12	3	1985	16						55.	
12	3	1985	21						50.	
12	3	1985	25						55.	
12	3	1985	28						53.	
12	3	1985	34						52.	
12	3	1985	35						53.	
12	3	1985	37						55.	
12	3	1985	42						48.	
13	3	1985	4							
13	3	1985	7							
13	3	1985	13							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
13	3	1985	14							
13	3	1985	16							
13	3	1985	21							
13	3	1985	25							
13	3	1985	28							
13	3	1985	34							
13	3	1985	35							
13	3	1985	37							
13	3	1985	42							
14	3	1985	4						50.	
14	3	1985	7						51.	
14	3	1985	13						50.	
14	3	1985	14						53.	
14	3	1985	16						52.	
14	3	1985	21						50.	
14	3	1985	25						48.	
14	3	1985	28						52.	
14	3	1985	34						50.	
14	3	1985	35						52.	
14	3	1985	37						50.	
14	3	1985	42						47.	
15	3	1985	4							
15	3	1985	7							
15	3	1985	13							
15	3	1985	14							
15	3	1985	16							
15	3	1985	21							
15	3	1985	25							
15	3	1985	28							
15	3	1985	34							
15	3	1985	35							
15	3	1985	37							
15	3	1985	42							
16	3	1985	4						50.	
16	3	1985	7						52.	
16	3	1985	13						50.	
16	3	1985	14						53.	
16	3	1985	16						53.	
16	3	1985	21						50.	
16	3	1985	25						50.	
16	3	1985	28						53.	
16	3	1985	34						50.	
16	3	1985	35						55.	
16	3	1985	37						51.	
16	3	1985	42						46.	
17	3	1985	4						54.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
17	3	1985	7						53.	
17	3	1985	13						53.	
17	3	1985	14						54.	
17	3	1985	16						55.	
17	3	1985	21						52.	
17	3	1985	25						52.	
17	3	1985	28						54.	
17	3	1985	34						51.	
17	3	1985	35						56.	
17	3	1985	37						54.	
17	3	1985	42						48.	
18	3	1985	4							
18	3	1985	7							
18	3	1985	13							
18	3	1985	14							
18	3	1985	16							
18	3	1985	21							
18	3	1985	25							
18	3	1985	28							
18	3	1985	34							
18	3	1985	35							
18	3	1985	37							
18	3	1985	42							
19	3	1985	4						51.	
19	3	1985	7						50.	
19	3	1985	13						49.	
19	3	1985	14						52.	
19	3	1985	16						52.	
19	3	1985	21						48.	
19	3	1985	25						50.	
19	3	1985	28						51.	
19	3	1985	34						45.	
19	3	1985	35						49.	
19	3	1985	37						52.	
19	3	1985	42						45.	
20	3	1985	4							
20	3	1985	7							
20	3	1985	13							
20	3	1985	14							
20	3	1985	16							
20	3	1985	21							
20	3	1985	25							
20	3	1985	28							
20	3	1985	34							
20	3	1985	35							
20	3	1985	37							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
20	3	1985	42							
21	3	1985	4							
21	3	1985	7							
21	3	1985	13							
21	3	1985	14							
21	3	1985	16							
21	3	1985	21							
21	3	1985	25							
21	3	1985	28							
21	3	1985	34							
21	3	1985	35							
21	3	1985	37							
21	3	1985	42							
22	3	1985	4						57.	
22	3	1985	7						56.	
22	3	1985	13						55.	
22	3	1985	14						59.	
22	3	1985	16						59.	
22	3	1985	21						55.	
22	3	1985	25						55.	
22	3	1985	28						59.	
22	3	1985	34						53.	
22	3	1985	35						58.	
22	3	1985	37						56.	
22	3	1985	42						50.	
23	3	1985	4							
23	3	1985	7							
23	3	1985	13							
23	3	1985	14							
23	3	1985	16							
23	3	1985	21							
23	3	1985	25							
23	3	1985	28							
23	3	1985	34							
23	3	1985	35							
23	3	1985	37							
23	3	1985	42							
24	3	1985	4							
24	3	1985	7							
24	3	1985	13							
24	3	1985	14							
24	3	1985	16							
24	3	1985	21							
24	3	1985	25							
24	3	1985	28							
24	3	1985	34							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
24	3	1985	35							
24	3	1985	37							
24	3	1985	42							
25	3	1985	4							
25	3	1985	7							
25	3	1985	13							
25	3	1985	14							
25	3	1985	16							
25	3	1985	21							
25	3	1985	25							
25	3	1985	28							
25	3	1985	34							
25	3	1985	35							
25	3	1985	37							
25	3	1985	42							
26	3	1985	4						57.	
26	3	1985	7						57.	
26	3	1985	13						57.	
26	3	1985	14						56.	
26	3	1985	16						59.	
26	3	1985	21						55.	
26	3	1985	25						57.	
26	3	1985	28						59.	
26	3	1985	34						54.	
26	3	1985	35						55.	
26	3	1985	37						53.	
26	3	1985	42						50.	
27	3	1985	4							
27	3	1985	7							
27	3	1985	13							
27	3	1985	14							
27	3	1985	16							
27	3	1985	21							
27	3	1985	25							
27	3	1985	28							
27	3	1985	34							
27	3	1985	35							
27	3	1985	37							
27	3	1985	42							
30	3	1985	4						60.	
30	3	1985	7						60.	
30	3	1985	13						57.	
30	3	1985	14						58.	
30	3	1985	16						61.	
30	3	1985	21						58.	
30	3	1985	25						59.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
30	3	1985	28						60.	
30	3	1985	34						56.	
30	3	1985	35						57.	
30	3	1985	37						57.	
30	3	1985	42						54.	
31	3	1985	4							
31	3	1985	7							
31	3	1985	13							
31	3	1985	14							
31	3	1985	16							
31	3	1985	21							
31	3	1985	25							
31	3	1985	28							
31	3	1985	34							
31	3	1985	35							
31	3	1985	37							
31	3	1985	42							
1	4	1985	4						60.	
1	4	1985	7						60.	
1	4	1985	13						57.	
1	4	1985	14						58.	
1	4	1985	16						61.	
1	4	1985	21						58.	
1	4	1985	25						59.	
1	4	1985	28						60.	
1	4	1985	34						56.	
1	4	1985	35						57.	
1	4	1985	37						57.	
1	4	1985	42						54.	
2	4	1985	4							
2	4	1985	7							
2	4	1985	13							
2	4	1985	14							
2	4	1985	16							
2	4	1985	21							
2	4	1985	25							
2	4	1985	28							
2	4	1985	34							
2	4	1985	35							
2	4	1985	37							
2	4	1985	42							
3	4	1985	4						62.	
3	4	1985	7						62.	
3	4	1985	13						59.	
3	4	1985	14						60.	
3	4	1985	16						63.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
3	4	1985	21						61.	
3	4	1985	25						60.	
3	4	1985	28						62.	
3	4	1985	34						58.	
3	4	1985	35						56.	
3	4	1985	37						57.	
3	4	1985	42						55.	
4	4	1985	4							
4	4	1985	7							
4	4	1985	13							
4	4	1985	14							
4	4	1985	16							
4	4	1985	21							
4	4	1985	25							
4	4	1985	28							
4	4	1985	34							
4	4	1985	35							
4	4	1985	37							
4	4	1985	42							
5	4	1985	4						59.	
5	4	1985	7						60.	
5	4	1985	13						63.	
5	4	1985	14						56.	
5	4	1985	16						61.	
5	4	1985	21						53.	
5	4	1985	25						60.	
5	4	1985	28						64.	
5	4	1985	34						56.	
5	4	1985	35						59.	
5	4	1985	37						61.	
5	4	1985	42						55.	
6	4	1985	4							
6	4	1985	7							
6	4	1985	13							
6	4	1985	14							
6	4	1985	16							
6	4	1985	21							
6	4	1985	25							
6	4	1985	28							
6	4	1985	34							
6	4	1985	35							
6	4	1985	37							
6	4	1985	42							
7	4	1985	4							
7	4	1985	7							
7	4	1985	13							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
7	4	1985	14							
7	4	1985	16							
7	4	1985	21							
7	4	1985	25							
7	4	1985	28							
7	4	1985	34							
7	4	1985	35							
7	4	1985	37							
7	4	1985	42							
8	4	1985	4						65.	
8	4	1985	7						65.	
8	4	1985	13						63.	
8	4	1985	14						64.	
8	4	1985	16						65.	
8	4	1985	21						59.	
8	4	1985	25						63.	
8	4	1985	28						64.	
8	4	1985	34						53.	
8	4	1985	35						61.	
8	4	1985	37						57.	
8	4	1985	42						55.	
9	4	1985	4						65.	
9	4	1985	7						56.	
9	4	1985	13						53.	
9	4	1985	14						51.	
9	4	1985	16						55.	
9	4	1985	21						59.	
9	4	1985	25						57.	
9	4	1985	28						64.	
9	4	1985	34						45.	
9	4	1985	35						50.	
9	4	1985	37						50.	
9	4	1985	42						50.	
10	4	1985	4							
10	4	1985	7							
10	4	1985	13							
10	4	1985	14							
10	4	1985	16							
10	4	1985	21							
10	4	1985	25							
10	4	1985	28							
10	4	1985	34							
10	4	1985	35							
10	4	1985	37							
10	4	1985	42							
11	4	1985	4							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
11	4	1985	7							
11	4	1985	13							
11	4	1985	14							
11	4	1985	16							
11	4	1985	21							
11	4	1985	25							
11	4	1985	28							
11	4	1985	34							
11	4	1985	35							
11	4	1985	37							
11	4	1985	42							
12	4	1985	4							
12	4	1985	7							
12	4	1985	13							
12	4	1985	14							
12	4	1985	16							
12	4	1985	21							
12	4	1985	25							
12	4	1985	28							
12	4	1985	34							
12	4	1985	35							
12	4	1985	37							
12	4	1985	42							
13	4	1985	4						58.	
13	4	1985	7						60.	
13	4	1985	13						60.	
13	4	1985	14						60.	
13	4	1985	16						61.	
13	4	1985	21						60.	
13	4	1985	25						50.	
13	4	1985	28						58.	
13	4	1985	34						50.	
13	4	1985	35						59.	
13	4	1985	37						48.	
13	4	1985	42						51.	
14	4	1985	4							
14	4	1985	7							
14	4	1985	13							
14	4	1985	14							
14	4	1985	16							
14	4	1985	21							
14	4	1985	25							
14	4	1985	28							
14	4	1985	34							
14	4	1985	35							
14	4	1985	37							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
14	4	1985	42							
15	4	1985	4							
15	4	1985	7							
15	4	1985	13							
15	4	1985	14							
15	4	1985	16							
15	4	1985	21							
15	4	1985	25							
15	4	1985	28							
15	4	1985	34							
15	4	1985	35							
15	4	1985	37							
15	4	1985	42							
16	4	1985	4						65.	
16	4	1985	7						63.	
16	4	1985	13						63.	
16	4	1985	14						65.	
16	4	1985	16						65.	
16	4	1985	21						65.	
16	4	1985	25						55.	
16	4	1985	28						57.	
16	4	1985	34						50.	
16	4	1985	35						61.	
16	4	1985	37						52.	
16	4	1985	42						51.	
17	4	1985	4						66.	
17	4	1985	7						66.	
17	4	1985	13						63.	
17	4	1985	14						61.	
17	4	1985	16						64.	
17	4	1985	21						63.	
17	4	1985	25						56.	
17	4	1985	28						59.	
17	4	1985	34						52.	
17	4	1985	35						61.	
17	4	1985	37						53.	
17	4	1985	42						53.	
18	4	1985	4						60.	
18	4	1985	7						60.	
18	4	1985	13						60.	
18	4	1985	14						61.	
18	4	1985	16						60.	
18	4	1985	21						60.	
18	4	1985	25						55.	
18	4	1985	28						57.	
18	4	1985	34						51.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
18	4	1985	35						60.	
18	4	1985	37						53.	
18	4	1985	42						50.	
19	4	1985	4							
19	4	1985	7							
19	4	1985	13							
19	4	1985	14							
19	4	1985	16							
19	4	1985	21							
19	4	1985	25							
19	4	1985	28							
19	4	1985	34							
19	4	1985	35							
19	4	1985	37							
19	4	1985	42							
20	4	1985	4							
20	4	1985	7							
20	4	1985	13							
20	4	1985	14							
20	4	1985	16							
20	4	1985	21							
20	4	1985	25							
20	4	1985	28							
20	4	1985	34							
20	4	1985	35							
20	4	1985	37							
20	4	1985	42							
21	4	1985	4							
21	4	1985	7							
21	4	1985	13							
21	4	1985	14							
21	4	1985	16							
21	4	1985	21							
21	4	1985	25							
21	4	1985	28							
21	4	1985	34							
21	4	1985	35							
21	4	1985	37							
21	4	1985	42							
22	4	1985	4						61.	
22	4	1985	7						65.	
22	4	1985	13						64.	
22	4	1985	14						64.	
22	4	1985	16						64.	
22	4	1985	21						65.	
22	4	1985	25						58.	

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
22	4	1985	28						60.	
22	4	1985	34						54.	
22	4	1985	35						64.	
22	4	1985	37						55.	
22	4	1985	42						55.	
23	4	1985	4						62.	
23	4	1985	7						65.	
23	4	1985	13						58.	
23	4	1985	14						60.	
23	4	1985	16						63.	
23	4	1985	21						65.	
23	4	1985	25						57.	
23	4	1985	28						59.	
23	4	1985	34						55.	
23	4	1985	35						59.	
23	4	1985	37						56.	
23	4	1985	42						52.	
24	4	1985	4							
24	4	1985	7							
24	4	1985	13							
24	4	1985	14							
24	4	1985	16							
24	4	1985	21							
24	4	1985	25							
24	4	1985	28							
24	4	1985	34							
24	4	1985	35							
24	4	1985	37							
24	4	1985	42							
25	4	1985	4							
25	4	1985	7							
25	4	1985	13							
25	4	1985	14							
25	4	1985	16							
25	4	1985	21							
25	4	1985	25							
25	4	1985	28							
25	4	1985	34							
25	4	1985	35							
25	4	1985	37							
25	4	1985	42							
26	4	1985	4							
26	4	1985	7							
26	4	1985	13							
26	4	1985	14							
26	4	1985	16							

Table 2. Daily Pond Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
26	4	1985	21							
26	4	1985	25							
26	4	1985	28							
26	4	1985	34							
26	4	1985	35							
26	4	1985	37							
26	4	1985	42							
27	4	1985	4						58.	
27	4	1985	7						60.	
27	4	1985	13						54.	
27	4	1985	14						60.	
27	4	1985	16						57.	
27	4	1985	21						63.	
27	4	1985	25						55.	
27	4	1985	28						56.	
27	4	1985	34						57.	
27	4	1985	35						56.	
27	4	1985	37						52.	
27	4	1985	42						54.	
28	4	1985	4							
28	4	1985	7							
28	4	1985	13							
28	4	1985	14							
28	4	1985	16							
28	4	1985	21							
28	4	1985	25							
28	4	1985	28							
28	4	1985	34							
28	4	1985	35							
28	4	1985	37							
28	4	1985	42							

Table 3. Miscellaneous Observations Including Fish Health.
Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	OBSERVATIONS	
17	2	85		CONTROL ; DYNAMICS; PONDS 20, 39, 40	
17	2	85		FEED & FERTILIZER; DYNAMICS; P. VANNAMEI ; PONDS 25,28,34,35,37,42	
17	2	85		FERTILIZER ; P. VANNAMEI; PONDS 4, 7, 13, 14, 16, 21	DYNAMICS
17	2	85		FERTILIZER + SILICA; NUTRITION; P. VANNAMEI; PONDS 2,12,24	
17	2	85		FEED ; NUTRITION ; P. VANNAMEI; PONDS 5,8 10	
17	2	85		SILICE; NUTRITION; P. VANNAMEI; POND 6,9,19	
17	2	85		FERTILIZER + SILICE +FEED; NUTRITION; P. VANNAMEI; PONDS 31,36,38	

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
11	7	1984		1												116.1		8.07		0.71	0.042	1.152	1.194		0.449			37.6	26.	82.
11	7	1984		2												114.6		8.35		0.558	0.072	2.058	2.129		0.396			53.9	37.2	97.9
11	7	1984		4												110.1		8.08		0.804	0.006	0.556	0.562		0.741			34.1	30.5	63.3
11	7	1984		5												112.1		7.68		1.927	0.013	0.824	0.837		0.959			59.2	27.5	35.9
11	7	1984		6												111.1		8.18		1.043	0.077	2.636	2.713		0.45			9.	4.8	19.5
11	7	1984		7												130.6		8.26		1.848	0.188	4.576	4.764		0.627			6.6	6.4	11.8
11	7	1984		8												113.6		8.51		0.442	0.104	2.898	3.002		0.289			10.6	8.	35.8
11	7	1984		9												117.6		8.1		0.674	0.026	0.63	0.656		0.805			2.8	6.1	19.
11	7	1984		10												132.1		8.54		0.399	0.03	0.703	0.733		0.447			16.5	5.6	35.8
11	7	1984		11												142.1		8.16		0.891	0.015	0.353	0.368		1.855			11.2	6.	37.
11	7	1984		12												112.6		8.33		0.565	0.041	1.44	1.481		0.614			16.7	5.7	13.8
11	7	1984		13												112.6		8.37		0.196	0.061	0.	0.061		0.824			11.2	2.9	7.
11	7	1984		14												126.6		8.07		0.906	0.011	0.434	0.444		0.828			16.	2.8	11.
11	7	1984		15												114.1		8.14		0.855	0.028	2.979	3.006		0.781			5.4	0.1	0.
11	7	1984		16												111.6		8.04		0.855	0.038	2.279	2.318		0.721			0.	0.	0.
11	7	1984		17												127.6		8.2		1.761	0.165	3.613	3.778		0.963			5.2	0.5	0.
11	7	1984		18												129.1		8.09		1.225	0.097	4.316	4.413		1.186			0.4	0.3	3.8
11	7	1984		19												142.1		7.68		1.927	0.135	0.392	0.527		1.811			1.4	0.	9.6
11	7	1984		20												130.1		7.8		1.413	0.132	2.559	2.69		1.635			0.	0.9	1.1
11	7	1984		21												112.6		8.18		0.261	0.015	0.099	0.114		0.291			3.3	0.	3.6
11	7	1984		25												128.1		8.02		1.587	0.013	0.635	0.647		0.832			3.4	7.2	12.
11	7	1984		26												108.6		7.61		0.761	0.018	0.985	1.003		0.803			4.7	0.7	20.9
11	7	1984		27												96.1		7.73		0.877	0.015	0.666	0.681		0.655			5.	4.9	8.7
11	7	1984		28												135.1		7.88		1.167	0.032	0.908	0.94		0.334			24.3	16.6	13.5
11	7	1984		29												108.6		8.14		0.645	0.007	0.007	0.014		0.745			10.9	7.6	4.5
11	7	1984		30												99.6		7.79		0.391	0.013	1.061	1.074		0.869			10.9	5.9	3.2
11	7	1984		31												107.6		7.81		0.942	0.058	4.167	4.225		1.231			33.	15.9	49.
11	7	1984		32												131.1		8.04		1.783	0.073	1.836	1.91		1.472			11.9	0.	2.5
11	7	1984		33												110.1		7.72		1.565	0.064	1.541	1.605		1.534			2.2	1.7	3.2
11	7	1984		34												126.1		7.7		1.466	0.061	1.696	1.757		1.582			5.6	0.2	1.3
11	7	1984		35												131.6		7.8		1.71	0.073	3.231	3.304		1.183			10.6	6.2	37.9
11	7	1984		36												110.1		7.88		1.181	0.041	1.605	1.646		0.916			3.4	2.3	3.8
11	7	1984		37												107.6		7.84		1.369	0.052	1.463	1.516		1.288			9.4	6.7	10.2
11	7	1984		38												128.1		8.		0.826	0.079	1.886	1.965		1.575			8.1	10.	0.
11	7	1984		39												136.6		7.61		1.406	0.101	2.233	2.334		1.826			8.	2.1	0.
11	7	1984		40												127.6		7.61		1.369	0.123	2.538	2.66		1.642			6.	0.	0.
11	7	1984		41												142.1		8.19		1.333	0.124	1.703	1.827		1.057			7.5	12.	22.1
11	7	1984		42												142.1		8.19		0.703	0.045	1.119	1.164		1.209			14.2	8.4	14.9
11	7	1984		50												102.6		7.71		0.92	0.004	0.381	0.385		0.071			19.3	16.6	26.7
11	7	1984		60												142.1		7.28		0.174	0.002	0.015	0.017		1.126			56.3	38.2	83.8
19	7	1984		1																								11.3	0.	0.
19	7	1984		2																								19.5	3.7	11.9
19	7	1984		4																								16.1	1.3	9.1

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
19	7	1984		5																							28.	1.	19.
19	7	1984		6																							17.7	0.	6.8
19	7	1984		7																							16.5	13.4	32.9
19	7	1984		8																							4.5	0.	0.
19	7	1984		9																							5.3	1.7	10.7
19	7	1984		10																							7.7	8.3	11.6
19	7	1984		11																							7.6	0.	1.5
19	7	1984		12																							23.7	4.8	12.9
19	7	1984		13																							17.	2.5	10.
19	7	1984		14																							0.6	0.	0.
19	7	1984		15																							20.1	7.	6.9
19	7	1984		16																							4.9	0.	0.
19	7	1984		17																							13.7	0.8	4.7
19	7	1984		18																							0.	0.	0.
19	7	1984		19																							0.8	0.	0.
19	7	1984		20																							0.8	0.	0.
19	7	1984		21																							13.4	0.	0.
19	7	1984		24																							4.9	0.	0.
19	7	1984		25																							0.	0.	0.
19	7	1984		26																							8.	0.	0.
19	7	1984		27																							4.9	0.	0.
19	7	1984		28																									
19	7	1984		29																							0.4	0.	0.
19	7	1984		30																							0.	0.	0.
19	7	1984		31																							0.8	0.	0.
19	7	1984		32																							0.6	0.	0.
19	7	1984		33																							0.	0.	0.
19	7	1984		34																							0.5	0.	0.
19	7	1984		35																							2.7	0.	0.
19	7	1984		36																							3.9	0.	0.
19	7	1984		37																							0.	0.	0.
19	7	1984		38																							0.	0.	0.
19	7	1984		39																							0.2	0.	0.
19	7	1984		40																							10.4	3.6	9.5
19	7	1984		41																							13.6	0.	2.7
19	7	1984		42																							2.3	0.	0.
19	7	1984		50																							0.7	0.	0.
19	7	1984		60																							0.	0.	0.
6	8	1984		28								32.	30.	26.	25.															
6	8	1984		42								29.	29.	26.	25.															
7	8	1984		2																0.003	0.011	0.014	0.025		0.028					
7	8	1984		4																0.002	0.019	0.	0.019		0.11					
7	8	1984		5																0.004	0.016	0.	0.016		0.135					
7	8	1984		6																0.002	0.025	0.	0.025		0.062					

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
7	8	1984		7																0.002	0.011	0.	0.011		0.07					
7	8	1984		8																0.003	0.016	0.	0.016		0.01					
7	8	1984		9																0.002	0.022	0.	0.022		0.053					
7	8	1984		10																0.002	0.016	0.	0.016		0.066					
7	8	1984		12																0.002	0.047	0.	0.047		0.111					
7	8	1984		13																0.002	0.019	0.	0.019		0.065					
7	8	1984		14																0.003	0.025	0.	0.025		0.074					
7	8	1984		16																0.002	0.019	0.	0.019		0.09					
7	8	1984		19																0.002	0.014	0.	0.014		0.049					
7	8	1984		20																0.001	0.03	0.	0.03		0.027					
7	8	1984		21																0.002	0.055	0.	0.055		0.01					
7	8	1984		24																0.002	0.047	0.	0.047		0.021					
7	8	1984		25																0.001	0.041	0.	0.041		0.036					
7	8	1984		28																0.001	0.047	0.	0.047		0.091					
7	8	1984		31																0.002	0.022	0.	0.022		0.076					
7	8	1984		34																0.002	0.013	0.	0.013		0.125					
7	8	1984		35																0.002	0.019	0.	0.019		0.099					
7	8	1984		36																0.002	0.016	0.	0.016		0.091					
7	8	1984		37																0.002	0.011	0.001	0.012		0.078					
7	8	1984		38																0.002	0.033	0.	0.033		0.069					
7	8	1984		39																0.006	0.016	0.	0.016		0.049					
7	8	1984		40																0.001	0.019	0.	0.019		0.026					
7	8	1984		42																0.002	0.027	0.	0.027		0.045					
7	8	1984		50																0.002	0.088	0.	0.088		0.026					
7	8	1984		60																0.078	0.132	0.	0.132		0.013					
8	8	1984		2																0.862	0.038	0.379	0.417		0.019					
8	8	1984		4																1.034	0.029	0.398	0.427		0.037					
8	8	1984		5																0.196	0.024	0.107	0.131		0.015					
8	8	1984		6																0.355	0.022	0.099	0.121		0.008					
8	8	1984		7																0.836	0.007	0.564	0.571		0.027					
8	8	1984		8																0.154	0.02	0.157	0.177		0.009					
8	8	1984		9																0.205	0.012	0.036	0.048		0.009					
8	8	1984		10																0.238	0.044	0.055	0.1		0.009					
8	8	1984		12																0.858	0.053	0.081	0.134		0.027					
8	8	1984		13																0.537	0.038	0.18	0.217		0.021					
8	8	1984		14																0.639	0.015	0.057	0.073		0.04					
8	8	1984		16																0.361	0.065	0.415	0.48		0.036					
8	8	1984		19																0.17	0.01	0.04	0.05		0.008					
8	8	1984		20																0.169	0.027	0.275	0.302		0.005					
8	8	1984		21																0.576	0.02	0.399	0.42		0.011					
8	8	1984		24																0.557	0.029	0.733	0.762		0.013					
8	8	1984		25																0.943	0.026	0.321	0.346		0.026					
8	8	1984		28																1.149	0.012	0.431	0.443		0.028					
8	8	1984		31																0.672	0.012	0.346	0.358		0.017					

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
8	8	1984		34																0.739	0.02	0.351	0.372		0.027					
8	8	1984		35																1.043	0.019	0.385	0.404		0.026					
8	8	1984		36																0.822	0.009	0.276	0.284		0.012					
8	8	1984		37																1.226	0.029	0.104	0.133		0.025					
8	8	1984		38																0.736	0.039	0.4	0.439		0.027					
8	8	1984		39																0.247	0.014	0.035	0.049		0.008					
8	8	1984		40																0.264	0.01	0.101	0.112		0.01					
8	8	1984		42																1.223	0.014	0.242	0.255		0.024					
8	8	1984		50																0.176	0.007	0.081	0.087		0.003					
8	8	1984		60																0.607	0.022	0.068	0.09		0.007					
9	8	1984		2																0.545	0.006	0.014	0.02		0.037					
9	8	1984		4																0.244	0.006	0.	0.006		0.04					
9	8	1984		5																0.599	0.002	0.007	0.009		0.024					
9	8	1984		6																0.074	0.	0.004	0.004		0.012					
9	8	1984		7																0.451	0.011	0.001	0.012		0.018					
9	8	1984		8																0.111	0.013	0.003	0.016		0.019					
9	8	1984		9																0.089	0.	0.004	0.004		0.014					
9	8	1984		10																0.156	0.008	0.003	0.01		0.008					
9	8	1984		12																0.366	0.	0.011	0.011		0.016					
9	8	1984		13																0.343	0.	0.015	0.015		0.032					
9	8	1984		14																0.613	0.	0.002	0.002		0.02					
9	8	1984		16																0.714	0.008	0.	0.008		0.023					
9	8	1984		19																0.038	0.003	0.006	0.009		0.013					
9	8	1984		20																0.05	0.003	0.007	0.01		0.01					
9	8	1984		21																0.534	0.009	0.	0.009		0.067					
9	8	1984		24																0.46	0.054	0.	0.054		0.017					
9	8	1984		25																0.763	0.	0.	0.		0.028					
9	8	1984		28																0.951	0.	0.011	0.011		0.111					
9	8	1984		31																0.643	0.	0.009	0.009		0.018					
9	8	1984		34																0.971	0.003	0.003	0.006		0.039					
9	8	1984		35																1.053	0.02	0.	0.02		0.059					
9	8	1984		36																0.889	0.	0.	0.		0.036					
9	8	1984		37																0.711	0.002	0.008	0.01		0.028					
9	8	1984		38																1.166	0.005	0.006	0.011		0.021					
9	8	1984		39																0.145	0.017	0.	0.017		0.009					
9	8	1984		40																0.039	0.006	0.01	0.016		0.009					
9	8	1984		42																0.638	0.	0.009	0.009		0.015					
9	8	1984		50																0.052	0.003	0.005	0.008		0.005					
9	8	1984		60																0.211	0.016	0.012	0.028		0.004					
10	8	1984		2																0.519	0.011	0.09	0.101		0.193					
10	8	1984		4																0.055	0.	0.013	0.013		0.091					
10	8	1984		5																0.772	0.002	0.024	0.026		0.145					
10	8	1984		6																0.097	0.003	0.014	0.018		0.064					
10	8	1984		7																0.379	0.006	0.11	0.116		0.152					

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
10	8	1984		8																0.079	0.006	0.008	0.014		0.461					
10	8	1984		9																0.064	0.	0.015	0.015		0.074					
10	8	1984		10																0.116	0.	0.017	0.017		0.101					
10	8	1984		12																0.244	0.006	0.039	0.046		0.289					
10	8	1984		13																0.267	0.003	0.058	0.06		0.243					
10	8	1984		14																0.732	0.01	0.018	0.028		0.291					
10	8	1984		16																0.309	0.02	0.128	0.149		0.206					
10	8	1984		19																0.073	0.004	0.006	0.01		0.079					
10	8	1984		20																0.071	0.005	0.078	0.083		0.039					
10	8	1984		21																0.167	0.004	0.052	0.055		0.103					
10	8	1984		24																0.351	0.003	0.115	0.118		0.199					
10	8	1984		25																0.499	0.041	0.123	0.164		0.133					
10	8	1984		28																0.521	0.008	0.111	0.12		0.26					
10	8	1984		31																0.219	0.001	0.035	0.035		0.177					
10	8	1984		34																0.733	0.014	0.132	0.147		0.176					
10	8	1984		35																0.49	0.004	0.088	0.092		0.321					
10	8	1984		36																0.442	0.008	0.094	0.102		0.275					
10	8	1984		37																0.368	0.009	0.094	0.103		0.319					
10	8	1984		38																0.458	0.01	0.096	0.106		0.248					
10	8	1984		39																0.111	0.005	0.013	0.018		0.062					
10	8	1984		40																0.101	0.002	0.012	0.014		0.037					
10	8	1984		42																0.221	0.003	0.047	0.05		0.209					
10	8	1984		50																0.047	0.001	0.008	0.01		0.019					
10	8	1984		60																0.085	0.006	0.004	0.01		0.003					
13	8	1984		2																0.112	0.008	0.	0.008		0.119					
13	8	1984		4																0.067	0.024	0.	0.024		0.268					
13	8	1984		5																0.059	0.008	0.001	0.009		0.161					
13	8	1984		6																0.07	0.004	0.016	0.02		0.018					
13	8	1984		7																0.068	0.	0.016	0.016		0.25					
13	8	1984		8																0.064	0.006	0.007	0.013		0.067					
13	8	1984		9																0.073	0.002	0.011	0.013		0.047					
13	8	1984		10																0.08	0.	0.004	0.004		0.11					
13	8	1984		12																0.068	0.014	0.007	0.021		0.394					
13	8	1984		13																0.064	0.008	0.01	0.018		0.322					
13	8	1984		14																0.044	0.	0.016	0.016		0.248					
13	8	1984		16																0.043	0.01	0.003	0.013		0.384					
13	8	1984		19																0.011	0.006	0.006	0.012		0.058					
13	8	1984		20																0.038	0.	0.018	0.018		0.026					
13	8	1984		21																0.06	0.014	0.	0.014		0.077					
13	8	1984		24																0.04	0.	0.018	0.018		0.138					
13	8	1984		25																0.186	0.1	0.	0.1		0.276					
13	8	1984		28								31.	30.	26.	25.					0.236	0.098	0.	0.098		0.355					
13	8	1984		31																0.057	0.	0.01	0.01		0.23					
13	8	1984		34																0.045	0.004	0.019	0.023		0.337					

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
13	8	1984		35																0.047	0.036	0.	0.036		0.329					
13	8	1984		36																0.153	0.05	0.	0.05		0.358					
13	8	1984		37																0.055	0.008	0.01	0.018		0.052					
13	8	1984		38																0.155	0.074	0.	0.074		0.058					
13	8	1984		39																0.042	0.008	0.008	0.016		0.037					
13	8	1984		40																0.019	0.006	0.018	0.024		0.054					
13	8	1984		42								30.	30.	26.	26.					0.03	0.03	0.	0.03		0.202					
13	8	1984		50																0.065	0.002	0.01	0.012		0.014					
13	8	1984		60																0.071	0.03	0.062	0.092		0.014					
19	8	1984		1												28.5		8.68		0.65	0.001	0.	0.001		0.1			10.4	13.7	0.
19	8	1984		2												43.		8.08		0.333	0.001	0.036	0.037		0.166			26.3	26.9	0.
19	8	1984		4												80.		8.79		0.076	0.	0.007	0.007		0.265			16.6	17.5	0.
19	8	1984		5												80.		8.86		0.098	0.	0.031	0.031		0.172			32.1	32.8	4.1
19	8	1984		6												112.2		8.31		0.754	0.003	0.022	0.025		0.057			5.2	10.5	57.6
19	8	1984		7												3.5		8.63		0.363	0.004	0.026	0.03		0.218			21.9	20.6	0.
19	8	1984		8												45.		7.59		0.07	0.	0.005	0.005		0.083			14.6	10.9	0.
19	8	1984		9												32.4		8.29		0.755	0.	0.024	0.024		0.083			0.9	5.3	1.
19	8	1984		10												36.4		8.78		0.041	0.003	0.022	0.025		0.154			22.	1.8	0.8
19	8	1984		11												14.		9.14		2.2	0.	0.	0.		0.135			36.8	39.9	7.3
19	8	1984		12												108.6		7.87		0.751	0.007	0.049	0.057		0.255			1.6	1.2	0.
19	8	1984		13												104.4		8.17		0.666	0.008	0.062	0.07		0.135			0.3	0.	0.
19	8	1984		14												28.4		9.14		0.203	0.007	0.033	0.04		0.169			3.8	3.7	0.
19	8	1984		15												103.		8.72		1.63	0.	0.	0.		0.145			19.3	19.	0.
19	8	1984		16												42.9		8.66		0.096	0.009	0.048	0.057		0.316			14.8	12.7	0.
19	8	1984		17												83.7		8.17		2.7	0.	0.	0.		0.142			35.6	32.6	0.
19	8	1984		18												11.4		8.69		1.75	0.	0.	0.		0.13			12.	18.3	2.6
19	8	1984		19												42.8		7.65		0.111	0.	0.078	0.078		0.11			67.1	61.9	20.2
19	8	1984		20												34.8		7.18		0.202	0.	0.041	0.041		0.127			67.8	62.7	12.8
19	8	1984		21												38.5		7.02		0.098	0.002	0.047	0.049		0.118			43.2	67.7	18.4
19	8	1984		24												23.5		8.26		0.742	0.004	0.062	0.066		0.101			22.5	21.7	0.
19	8	1984		25												40.4		8.42		0.085	0.	0.065	0.065		0.144			17.6	16.2	0.4
19	8	1984		26												99.		8.36		4.12	0.	0.	0.		0.133			86.1	80.7	43.8
19	8	1984		27												36.4		8.83		4.85	0.	0.	0.		0.4			74.7	73.8	39.1
19	8	1984		28												38.8		9.27		0.07	0.002	0.035	0.036		0.236			10.4	3.2	0.
19	8	1984		29												13.9		8.86		2.8	0.	0.	0.		0.16			54.	45.8	8.8
19	8	1984		30												81.7		8.28		2.32	0.	0.	0.		0.034			27.9	24.1	22.9
19	8	1984		31												48.1		8.03		0.434	0.004	0.009	0.013		0.042			0.7	0.	1.1
19	8	1984		32												81.7		8.46		2.99	0.	0.	0.		0.101			23.5	19.4	0.
19	8	1984		33												85.5		7.78		3.3	0.	0.	0.		0.088			19.8	15.5	0.
19	8	1984		34												74.1		8.81		0.05	0.003	0.029	0.032		0.253			19.5	14.2	0.
19	8	1984		35												81.6		9.1		0.073	0.007	0.01	0.017		0.267			7.2	4.2	3.8
19	8	1984		36												47.9		8.52		0.075	0.001	0.	0.001		0.285			7.6	3.	0.
19	8	1984		37												56.3		8.4		0.062	0.004	0.01	0.014		0.306			13.5	13.2	0.
19	8	1984		38												49.6		7.97		0.	0.006	0.011	0.017		0.216			9.8	7.4	0.

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
19	8	1984		39												115.7		7.42		0.431	0.003	0.014	0.017		0.1			29.1	24.4	0.
19	8	1984		40												51.3		8.32		0.24	0.004	0.01	0.015		0.079			73.4	71.8	13.7
19	8	1984		41																2.51	0.	0.	0.		0.292			41.1	46.4	19.9
19	8	1984		42												76.5		8.78		0.074	0.003	0.011	0.014		0.167			19.5	17.7	0.
19	8	1984		50												45.8		7.95		0.079	0.003	0.004	0.006		0.039			10.	9.3	0.
19	8	1984		60														7.65		0.816	0.003	0.015	0.018		0.014			23.	19.	0.
20	8	1984		28								33.	30.	25.	24.															
20	8	1984		42								30.	30.	26.	26.															
21	8	1984		2																0.182	0.111	0.	0.111		0.305					
21	8	1984		4																0.023	0.016	0.	0.016		0.398					
21	8	1984		5																0.057	0.012	0.	0.012		0.303					
21	8	1984		6																0.385	0.001	0.008	0.009		0.07					
21	8	1984		7																0.184	0.035	0.	0.035		0.288					
21	8	1984		8																0.05	0.013	0.002	0.015		0.187					
21	8	1984		9																0.406	0.008	0.004	0.012		0.153					
21	8	1984		10																0.051	0.01	0.	0.01		0.185					
21	8	1984		12																0.564	0.062	0.	0.062		0.459					
21	8	1984		13																0.602	0.066	0.	0.066		0.17					
21	8	1984		14																0.12	0.056	0.	0.056		0.214					
21	8	1984		16																0.122	0.058	0.	0.058		0.429					
21	8	1984		19																0.192	0.	0.027	0.027		0.194					
21	8	1984		20																0.13	0.019	0.	0.019		0.063					
21	8	1984		21																0.104	0.012	0.	0.012		0.067					
21	8	1984		24																0.556	0.037	0.	0.037		0.216					
21	8	1984		25																0.051	0.025	0.	0.025		0.211					
21	8	1984		28																0.05	0.017	0.	0.017		0.205					
21	8	1984		31																0.333	0.014	0.01	0.024		0.044					
21	8	1984		34																0.044	0.008	0.007	0.015		0.303					
21	8	1984		35																0.056	0.01	0.002	0.012		0.23					
21	8	1984		36																0.069	0.014	0.	0.014		0.274					
21	8	1984		37																0.061	0.008	0.004	0.012		0.383					
21	8	1984		38																0.141	0.01	0.	0.01		0.289					
21	8	1984		39																0.355	0.016	0.	0.016		0.107					
21	8	1984		40																0.086	0.016	0.	0.016		0.138					
21	8	1984		42																0.063	0.01	0.	0.01		0.213					
21	8	1984		50																0.04	0.012	0.	0.012		0.078					
21	8	1984		60																0.724	0.012	0.002	0.013		0.015					
28	8	1984		28								32.	29.	25.	25.															
28	8	1984		42								30.	30.	26.	26.															
	8	1984		2																0.085	0.	0.017	0.017		0.063					
	8	1984		4																0.036	0.	0.047	0.047		0.072					
	8	1984		5																0.011	0.003	0.012	0.015		0.031					
	8	1984		6																0.013	0.	0.023	0.023		0.009					
	8	1984		7																0.061	0.	0.029	0.029		0.057					

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
	8	1984		8																0.018	0.001	0.009	0.01		0.014					
	8	1984		9																0.017	0.	0.025	0.026		0.011					
	8	1984		10																0.022	0.	0.012	0.012		0.007					
	8	1984		12																0.042	0.001	0.009	0.01		0.052					
	8	1984		13																0.041	0.	0.003	0.003		0.045					
	8	1984		14																0.082	0.	0.031	0.031		0.044					
	8	1984		16																0.062	0.	0.05	0.05		0.047					
	8	1984		19																0.019	0.	0.009	0.009		0.018					
	8	1984		20																0.021	0.001	0.022	0.022		0.015					
	8	1984		21																0.059	0.	0.016	0.016		0.037					
	8	1984		24																0.072	0.	0.009	0.009		0.026					
	8	1984		25																0.07	0.001	0.008	0.009		0.06					
	8	1984		28																0.115	0.	0.006	0.006		0.054					
	8	1984		31																0.113	0.	0.036	0.036		0.024					
	8	1984		34																0.132	0.002	0.012	0.014		0.021					
	8	1984		35																0.099	0.	0.	0.		0.032					
	8	1984		36																0.14	0.	0.01	0.01		0.047					
	8	1984		37																0.105	0.	0.01	0.01		0.052					
	8	1984		38																0.083	0.002	0.004	0.006		0.029					
	8	1984		39																0.015	0.	0.004	0.005		0.012					
	8	1984		40																0.057	0.	0.013	0.013		0.01					
	8	1984		42																0.049	0.001	0.029	0.029		0.049					
	8	1984		50																0.006	0.005	0.005	0.01		0.005					
	8	1984		60																0.018	0.012	0.011	0.023		0.009					
3	9	1984		28								31.	29.	25.	24.															
3	9	1984		42								30.	30.	25.	25.															
11	9	1984		28								31.	28.	25.	25.															
11	9	1984		42								30.	28.	26.	25.															
17	9	1984		28								32.	30.	24.	24.															
17	9	1984		42								30.	30.	24.	24.															
21	9	1984		1												50.9		7.56		0.106	0.	0.027	0.027		0.074			58.2	61.6	56.6
21	9	1984		2												73.9		7.64		0.441	0.003	0.013	0.016		0.122			56.3	68.8	23.3
21	9	1984		4														7.72		0.132	0.001	0.026	0.027		0.052			33.5	25.2	65.3
21	9	1984		5												15.5		7.11		0.518	0.004	0.019	0.023		0.096			27.	26.1	7.3
21	9	1984		6												7.5		7.15		0.171	0.005	0.127	0.133		0.041			8.1	14.3	18.6
21	9	1984		7												22.7		7.33		0.055	0.	0.02	0.02		0.01			50.	49.2	34.8
21	9	1984		8												13.5		7.86		0.099	0.005	0.028	0.033		0.081			98.9	113.7	78.
21	9	1984		9												79.		7.44		0.123	0.	0.02	0.02		0.016			23.8	27.4	29.5
21	9	1984		10												11.5		7.36		0.053	0.003	0.014	0.016		0.077			72.2	111.	23.8
21	9	1984		11												33.5		7.7		0.073	0.	0.028	0.028		0.147			71.4	61.1	59.8
21	9	1984		12												51.5		7.34		0.163	0.005	0.066	0.071		0.052			105.8	104.	40.4
21	9	1984		13												51.5		7.48		0.572	0.001	0.058	0.059		0.087			31.2	23.9	2.
21	9	1984		14												44.		7.44		0.101	0.	0.027	0.027		0.007			48.4	48.4	81.
21	9	1984		15														6.82		0.38	0.003	0.087	0.09		0.05			118.3	91.6	74.4

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
21	9	1984		16												51.4		7.34		0.238	0.012	0.154	0.166		0.059			130.	133.1	57.5
21	9	1984		17												50.5		7.59		0.709	0.003	0.058	0.06		0.103			72.9	66.8	41.8
21	9	1984		18												20.5		7.8		0.256	0.003	0.149	0.152		0.071			119.2	113.9	146.2
21	9	1984		19												82.6		7.2		0.13	0.002	0.03	0.032		0.046			98.4	81.7	38.4
21	9	1984		20												76.6		7.55		0.238	0.002	0.019	0.021		0.087			26.9	15.6	48.
21	9	1984		21														7.41		0.115	0.001	0.025	0.026		0.071			115.	98.7	53.2
21	9	1984		24												70.1		7.66		0.242	0.003	0.022	0.025		0.056			38.8	37.7	36.
21	9	1984		25												62.6		7.6		0.055	0.003	0.014	0.017		0.037			47.1	48.5	28.
21	9	1984		26												13.5		7.37		0.095	0.004	0.028	0.031		0.016			32.4	29.3	8.2
21	9	1984		27														7.31		0.072	0.009	0.019	0.028		0.072			22.3	26.7	69.1
21	9	1984		28												18.		7.6		0.148	0.	0.038	0.038		0.038			46.8	47.5	35.8
21	9	1984		29														7.26		0.352	0.004	0.106	0.11		0.013			11.6	21.9	41.4
21	9	1984		30												9.		7.5		0.15	0.003	0.013	0.016		0.04			22.1	21.6	35.6
21	9	1984		31														7.69		0.093	0.003	0.033	0.036		0.069			29.6	22.8	51.7
21	9	1984		32												12.5		7.79		0.044	0.002	0.018	0.02		0.06			30.9	29.6	27.
21	9	1984		33												29.5		7.39		0.15	0.004	0.028	0.032		0.121			14.	23.5	28.4
21	9	1984		34												24.5		7.8		0.057	0.005	0.003	0.008		0.04			56.4	56.5	156.2
21	9	1984		35														7.23		0.216	0.004	0.013	0.017		0.062			83.8	63.3	159.2
21	9	1984		36														7.2		0.15	0.	0.019	0.019		0.105			120.4	110.4	66.9
21	9	1984		37														7.28		0.195	0.003	0.075	0.078		0.047			41.8	36.3	26.9
21	9	1984		38												63.6		7.42		0.073	0.	0.	0.		0.059			72.2	78.5	25.9
21	9	1984		39												70.6		7.53		0.106	0.003	0.003	0.007		0.019			30.	34.	32.4
21	9	1984		40												71.1		7.03		0.186	0.007	0.007	0.015		0.015			41.	46.5	34.
21	9	1984		41														7.36		0.071	0.	0.	0.		0.258			136.8	130.2	50.8
21	9	1984		42												38.		7.66		0.201	0.002	0.002	0.004		0.062			66.	77.8	64.8
21	9	1984		50														6.99		0.035	0.007	0.007	0.013		0.052			47.5	44.	26.
21	9	1984		60														6.87		0.079	0.003	0.003	0.006		0.066			15.1	17.2	46.1
24	9	1984		28								32.	31.	25.	27.															
24	9	1984		42								31.	31.	24.	25.															
1	10	1984		28								32.	31.	26.	24.															
1	10	1984		42								29.	28.	25.	26.															
8	10	1984		28								32.	31.	26.	25.															
8	10	1984		42								30.	30.	26.	26.															
15	10	1984		28								32.	29.	25.	25.															
15	10	1984		42								32.	32.	25.	26.															
21	10	1984		1														7.55		0.027	0.009	0.007	0.016		4.241			44.3	39.3	21.5
21	10	1984		2												71.6		7.98		0.053	0.019	0.006	0.024		3.563			54.6	61.7	55.
21	10	1984		4														7.23		0.089	0.017	0.026	0.043		3.648			101.4	62.8	58.8
21	10	1984		5												73.6		8.1		0.036	0.007	0.015	0.022		4.581			59.4	39.8	15.
21	10	1984		6														6.63		0.52					4.241			188.5	142.6	109.6
21	10	1984		7												52.		7.53		0.378	0.004	0.03	0.034		2.46			141.1	96.5	59.5
21	10	1984		8												27.5		7.33		0.125	0.013	0.	0.013		4.496			55.7	39.	22.
21	10	1984		9												26.5		7.07		0.093	0.046	0.014	0.06		0.509			138.3	97.3	63.5
21	10	1984		10												49.5		9.16		0.171	0.009	0.	0.009		3.393			55.8	62.	39.

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
21	10	1984		11												4.5		7.09		0.208	0.009	0.027	0.036		6.701			82.7	95.7	36.5
21	10	1984		12														7.3		0.071	0.009	0.01	0.019		0.17			32.3	29.5	10.4
21	10	1984		13												35.		7.22		0.635	0.013	0.007	0.02		3.987			174.4	175.	94.
21	10	1984		14												16.5		7.2		0.396	0.024	0.01	0.034		0.594			211.3	169.8	4.2
21	10	1984		15												38.		7.11		0.058	0.02	0.008	0.028		2.714			107.1	76.4	47.5
21	10	1984		16												61.1		8.11		0.074	0.009	0.002	0.012		1.697			52.5	33.4	41.
21	10	1984		17												28.5		7.45		0.16	0.019	0.009	0.027		2.63			86.4	59.7	49.
21	10	1984		18												14.		7.94		0.093	0.02	0.01	0.03		1.866			157.9	112.1	97.
21	10	1984		19												24.5		7.15		0.083	0.02	0.022	0.042		0.933			88.3	47.4	37.5
21	10	1984		20												14.		7.19		0.339	0.031	0.008	0.039		11.027			162.6	128.3	114.2
21	10	1984		21												25.		7.4		0.063	0.05	0.	0.05		3.902			102.	64.6	33.8
21	10	1984		24												43.5		7.26		0.076	0.013	0.003	0.016		0.254			61.7	47.6	22.6
21	10	1984		25												39.		7.6		0.31	0.022	0.	0.022		5.005			90.1	63.7	43.
21	10	1984		26												53.		7.67		0.087	0.05	0.	0.05		2.969			114.	81.3	75.2
21	10	1984		27												64.6		7.41		0.167	0.017	0.029	0.045		3.648			61.7	48.6	33.8
21	10	1984		28														7.46		0.184	0.017	0.002	0.018		4.241			37.	32.1	3.6
21	10	1984		29												21.5		7.58		0.063	0.02	0.009	0.029		0.			112.	93.3	30.
21	10	1984		30												19.		7.15		0.261	0.039	0.	0.039		2.884			143.1	117.	73.6
21	10	1984		31												37.5		7.37		0.186	0.024	0.004	0.028		5.938			168.4	139.1	75.2
21	10	1984		32												36.		7.81		0.084	0.019	0.011	0.03		3.648			29.9	29.4	18.2
21	10	1984		33												36.		7.7		0.065	0.022	0.013	0.035		6.532			89.9	74.5	46.4
21	10	1984		34												20.		7.4		0.237	0.009	0.025	0.034		1.866			37.2	31.2	20.
21	10	1984		35														7.3		0.1	0.	0.022	0.022		3.393			30.7	27.3	7.3
21	10	1984		36												10.5		7.45		0.34	0.017	0.018	0.034		3.223			34.7	29.9	9.5
21	10	1984		37												21.5		7.25		0.122	0.039	0.	0.039		9.585			204.	244.2	231.2
21	10	1984		38												43.5		7.58		0.679	0.026	0.025	0.051		10.264			157.8	121.2	71.9
21	10	1984		39												33.		7.48		0.087	0.009	0.018	0.027		5.005			152.5	110.1	75.4
21	10	1984		40												66.1		7.98		0.056	0.	0.016	0.016		1.272			22.6	15.6	16.7
21	10	1984		41												9.5		7.32		0.177	0.002	0.02	0.022		0.			118.2	90.7	61.7
21	10	1984		42												41.		7.62		0.084	0.022	0.	0.022		7.804			163.4	119.9	90.7
21	10	1984		50												60.1		7.56		0.087	0.	0.025	0.025		0.17			24.2	13.7	0.
21	10	1984		60														6.93		0.1	0.019	0.	0.019		2.46			103.6	81.8	65.9
22	10	1984		28								31.	30.	29.	27.															
22	10	1984		42								31.	30.	26.	27.															
29	10	1984		28								31.	31.	29.	27.															
29	10	1984		42								31.	31.	26.	26.															
5	11	1984		28								32.	32.	29.	27.															
5	11	1984		42								32.	32.	26.	26.															
12	11	1984		1												51.5		7.31		0.176	0.006	0.024	0.03		0.979			24.1	25.6	12.2
12	11	1984		2												50.		7.45		0.062	0.004	0.022	0.026		1.029			23.8	30.6	7.1
12	11	1984		4												44.5		7.8		0.329	0.005	0.011	0.016		0.304			41.3	48.	13.4
12	11	1984		5												44.5		8.09		0.024	0.003	0.019	0.022		0.557			21.7	29.8	10.4
12	11	1984		6												42.		7.26		0.19	0.003	0.034	0.037		1.35			43.2	58.6	29.1
12	11	1984		7												48.		8.51		0.72	0.02	0.044	0.065		0.894			98.6	120.9	46.4

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
12	11	1984		8												50.		7.78		0.025	0.005	0.015	0.02		0.506			22.9	31.6	15.3
12	11	1984		9												94.6		7.68		0.112	0.005	0.003	0.008		0.034			28.2	32.	5.1
12	11	1984		10												99.1		7.75		0.502	0.016	0.018	0.034		0.692			76.	102.7	42.6
12	11	1984		11												56.6		7.34		0.01	0.005	0.024	0.028		0.591			64.2	66.7	0.
12	11	1984		12												76.6		7.12		0.004	0.006	0.	0.006		0.135			41.6	65.7	26.7
12	11	1984		13												59.6		8.56		0.62	0.006	0.028	0.034		0.287			86.6	110.6	36.4
12	11	1984		14												42.		7.24		0.198	0.002	0.054	0.056		0.186			38.3	47.5	16.
12	11	1984		15												44.5		7.31		0.164	0.005	0.024	0.029		0.321			15.9	19.3	0.
12	11	1984		16												59.1		7.8		0.241	0.003	0.013	0.016		0.844			13.5	16.2	4.1
12	11	1984		17												62.1		7.34		0.72	0.003	0.028	0.031		0.523			39.7	3.9	0.
12	11	1984		18												47.		8.27		0.053	0.006	0.016	0.022		0.152			48.8	59.3	14.9
12	11	1984		19												54.		8.69		0.123	0.	0.011	0.011		0.506			31.9	39.5	15.7
12	11	1984		20												57.1		7.27		0.038	0.006	0.016	0.023		0.506			67.4	93.3	43.3
12	11	1984		21												52.5		7.23		0.583	0.02	0.041	0.061		1.198			19.5	23.3	9.
12	11	1984		24												47.		7.36		0.818	0.006	0.016	0.022		0.489			85.6	95.1	29.6
12	11	1984		25												60.6		7.62		0.174	0.008	0.025	0.033		0.287			24.3	30.8	7.8
12	11	1984		26												57.1		7.47		0.074	0.003	0.017	0.02		0.067			24.5	28.8	0.
12	11	1984		27												47.		7.42		0.016	0.001	0.005	0.006		0.			61.5	66.7	23.8
12	11	1984		28								33.	33.	26.	27.	52.5		7.41		0.309	0.006	0.012	0.018		0.338			51.3	60.3	21.8
12	11	1984		29												50.5		7.35		0.363	0.003	0.001	0.005		0.169			16.1	19.8	14.2
12	11	1984		30												50.5		7.08		0.024	0.	0.005	0.005		0.321			36.3	40.8	10.2
12	11	1984		31												50.5		7.32		0.172	0.006	0.026	0.031		0.338			73.1	45.1	13.
12	11	1984		32												43.		7.92		0.136	0.008	0.021	0.029		1.755			15.2	20.7	8.2
12	11	1984		33												66.1		8.13		0.01	0.006	0.021	0.027		0.962			41.3	44.3	24.3
12	11	1984		34												57.1		8.16		0.011	0.008	0.026	0.034		0.793			24.4	29.2	10.2
12	11	1984		35												73.6		8.87		0.196	0.005	0.024	0.028		1.705			78.	93.5	48.9
12	11	1984		36												63.1		8.63		0.067	0.003	0.024	0.027		1.603			43.3	58.9	42.1
12	11	1984		37												86.1		8.02		1.167	0.006	0.011	0.018		2.683			65.6	81.3	36.4
12	11	1984		38												52.5		8.43		0.164	0.007	0.021	0.028		0.557			46.1	56.6	39.5
12	11	1984		39												49.		8.24		0.371	0.003	0.017	0.02		0.641			22.7	30.	19.2
12	11	1984		40												47.		8.27		0.115	0.003	0.027	0.029		0.			18.5	19.9	6.5
12	11	1984		41												39.5		7.15		0.	0.007	0.01	0.017		0.118			55.9	70.	33.5
12	11	1984		42								33.	33.	32.	28.	67.6		7.23		0.868	0.004	0.028	0.032		0.489			63.	78.1	35.
12	11	1984		50												59.6		7.47		0.087	0.004	0.	0.004		0.979			27.2	28.	17.1
12	11	1984		60												50.5		7.11		0.	0.003	0.004	0.007		0.743			34.6	43.5	1.9
19	11	1984		28								33.	32.	30.	28.															
19	11	1984		42								33.	33.	28.	28.															
26	11	1984		1																								79.	110.4	36.5
26	11	1984		5																								204.1	253.2	130.9
26	11	1984		8																								121.4	186.6	111.3
26	11	1984		10																								196.5	254.9	163.8
26	11	1984		11																								204.9	212.5	618.4
26	11	1984		15																								98.2	124.5	65.4
26	11	1984		17																								145.9	180.9	75.

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
																											115.3	134.7	75.5
26	11	1984		18																							187.3	262.9	152.8
26	11	1984		25																							140.3	200.7	104.1
26	11	1984		26																							123.1	161.7	105.4
26	11	1984		27																							154.2	224.1	156.2
26	11	1984		28								32.	32.	30.	28.												113.5	159.7	88.6
26	11	1984		29																							50.9	70.1	37.5
26	11	1984		30																							181.	242.7	121.7
26	11	1984		31																							109.3	137.1	59.7
26	11	1984		32																							137.5	157.7	82.1
26	11	1984		33																							172.1	202.3	98.3
26	11	1984		34																							133.	164.6	94.1
26	11	1984		35																							151.	165.	81.
26	11	1984		36																							123.	150.8	67.4
26	11	1984		37																							203.6	265.7	175.
26	11	1984		38																							124.2	158.3	51.3
26	11	1984		41																							154.9	169.8	92.3
26	11	1984		42								34.	33.	28.	28.												12.7	16.6	12.8
26	11	1984		50																							24.3	39.5	24.3
26	11	1984		60																									
3	12	1984		28								31.	31.	28.	28.														
3	12	1984		42								30.	30.	25.	27.														
10	12	1984		28								30.	30.	25.	27.														
10	12	1984		42								31.	31.	25.	25.														
11	12	1984		1														7.27		0.074	0.031	0.	0.031		0.763			52.2	41.5	35.7
11	12	1984		2																									
11	12	1984		4																									
11	12	1984		5																									
11	12	1984		6																									
11	12	1984		7																									
11	12	1984		8																									
11	12	1984		9																									
11	12	1984		10												12.5		7.52		0.159	0.024	0.026	0.05		4.157			20.1	16.3	26.4
11	12	1984		11																									
11	12	1984		12																									
11	12	1984		13																									
11	12	1984		14														7.49		0.12	0.015	0.082	0.097		3.393			52.3	41.9	30.5
11	12	1984		15																									
11	12	1984		16														8.65		0.084	0.028	0.025	0.053		1.781			37.3	32.5	24.8
11	12	1984		17														8.96		0.093	0.002	0.047	0.049		2.443			27.7	22.6	20.6
11	12	1984		18																									
11	12	1984		19																									
11	12	1984		20																									
11	12	1984		21																									
11	12	1984		24																									

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Wet Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
11	12	1984		25																									
11	12	1984		26														8.52		0.277	0.022	0.041	0.063		2.121			111.6	99.8	96.9
11	12	1984		27														8.7		0.073	0.002	0.023	0.025		2.714			9.5	18.9	21.
11	12	1984		28																									
11	12	1984		29														7.69		0.151	0.017	0.006	0.023		0.763			132.	108.8	101.
11	12	1984		30												5.		8.13		0.089	0.022	0.012	0.035		2.375			56.2	45.2	37.
11	12	1984		31																								0.	0.	0.
11	12	1984		32														7.87		0.161	0.	0.037	0.037		4.835			24.9	21.	15.5
11	12	1984		33														8.58		0.084	0.014	0.06	0.074		1.272			25.	20.1	21.
11	12	1984		34																									
11	12	1984		35																									
11	12	1984		36																									
11	12	1984		37																									
11	12	1984		38																									
11	12	1984		39																									
11	12	1984		40																									
11	12	1984		41														7.82		0.109	0.017	0.039	0.055		2.375			32.5	28.9	27.6
11	12	1984		42																									
11	12	1984		50												20.7		7.79		0.201	0.044	0.054	0.099		1.951			10.2	7.9	10.3
11	12	1984		60														7.57		0.143	0.039	0.072	0.111		2.63			0.5	3.6	7.5
17	12	1984		5														8.83		0.552	0.	0.033	0.033		0.439					
17	12	1984		8														7.68		0.462	0.009	0.019	0.028		2.703					
17	12	1984		10														9.1		0.739	0.	0.028	0.028		0.389					
17	12	1984		25														8.59		0.863	0.	0.034	0.034		0.76					
17	12	1984		28														8.72		0.561	0.004	0.013	0.017		0.422					
17	12	1984		31														8.83		0.899	0.037	0.	0.037		0.565					
17	12	1984		34														8.65		0.988	0.	0.027	0.027		0.633					
17	12	1984		35														9.2		2.224	0.011	0.024	0.035		0.507					
17	12	1984		36														8.98		1.346	0.028	0.006	0.034		0.887					
17	12	1984		37														9.04		0.856	0.	0.021	0.021		0.532					
17	12	1984		38														8.57		1.729	0.	0.027	0.027		0.777					
17	12	1984		42														8.72		0.798	0.009	0.02	0.029		0.507					
17	12	1984		50														8.85		0.867	0.063	0.	0.063		0.008					
17	12	1984		60														7.71		0.361	0.	0.027	0.027		0.169					

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
31	1	1985		1												2.68		8.37		0.19	7.19	36.48		3.077	0.505			21.3	24.3	7.4
31	1	1985		2												2.67		8.7		0.06	4.31	1.113		1.017	0.			26.3	28.8	13.7
31	1	1985		4												2.71		8.69		0.09	20.14	17.131		0.964	0.07			29.4	30.9	22.
31	1	1985		5												2.81		8.83		0.36	12.94	23.039		1.418	0.06			76.8	76.4	83.3
31	1	1985		6												2.74		8.54		0.12	12.94	5.001		0.975	0.015			17.5	17.7	20.6
31	1	1985		7												2.63		8.57		0.11	21.58	1.472		2.133	0.			23.6	23.3	21.6
31	1	1985		8												2.49		8.58		0.2	0.	1.94		1.695	0.			17.3	17.6	7.8
31	1	1985		9												2.55		8.54		0.06	0.	0.895		1.079	0.			19.1	17.4	6.6
31	1	1985		10												2.64		8.64		0.3	5.75	2.05		0.542	0.			58.4	61.2	38.2
31	1	1985		11												1.44		8.29		0.47	1.43	2.342		1.679	0.287			13.1	14.8	7.3
31	1	1985		12												2.65		8.57		0.35	10.07	12.395		1.721	0.237			18.2	16.5	9.6
31	1	1985		13												2.8		8.45		0.44	12.94	4.646		0.771	0.363			6.1	8.2	0.
31	1	1985		14												2.53		8.67		0.13	0.	29.223		1.043	0.126			28.2	36.7	14.4
31	1	1985		15												1.7		8.34		0.16	4.31	12.762		1.564	0.156					
31	1	1985		16												1.98		8.47		0.17	0.	2.955		1.246	0.075			19.1	23.2	0.
31	1	1985		17												2.64		8.41		0.69	0.	35.103		1.71	0.05			1.1	4.7	6.8
31	1	1985		18												2.82		8.47		1.05	0.	21.7		2.18	0.439			5.4	4.1	9.1
31	1	1985		19												2.18		8.33		0.4	0.	32.238		1.403	0.414			14.6	12.4	12.2
31	1	1985		20												2.66		8.38		0.07	18.7	1.119		0.766	0.237			23.5	32.8	21.7
31	1	1985		21																								29.6	32.4	15.4
31	1	1985		21												2.82		8.86		0.09	0.	5.46		1.022	0.101			29.6	32.4	15.4
31	1	1985		24																								29.3	35.4	24.7
31	1	1985		24												2.27		8.7		0.07	0.	4.537		1.512	0.171			29.3	35.4	24.7
31	1	1985		25												2.59		8.54		0.15	0.	14.089		2.222	0.358			15.3	15.8	10.
31	1	1985		26												2.53		8.55		0.08	1.43	2.193		1.956	0.535			30.1	34.8	26.4
31	1	1985		27												2.78		8.56		0.1	0.	4.776		1.836	0.121			40.1	45.4	29.
31	1	1985		28												2.8		8.42		0.56	4.31	12.366		1.804	0.459			11.2	9.7	6.8
31	1	1985		31												2.81		8.37		0.55	33.09	27.841		2.545	0.898			2.4	3.4	9.5
31	1	1985		34												1.81		7.02		0.13	21.58	1.621		2.268	0.53			30.3	39.3	27.3
31	1	1985		35												3.1		8.49		0.15	5.75	7.692		1.841	0.			40.1	41.1	37.6
31	1	1985		36												2.54		8.46		0.06	25.89	16.824		2.112	0.464			45.7	56.7	35.
31	1	1985		37												2.47		8.1		0.42	17.26	23.136		0.573	0.075			29.4	37.8	26.6
31	1	1985		38												2.41		8.46		0.09	17.26	15.614		1.543	0.09			34.4	45.9	24.7
31	1	1985		39												3.		8.47		0.31	5.75	24.736		1.94	0.53			8.6	12.3	17.
31	1	1985		40												1.61		8.54		0.11	4.31	33.202		1.543	0.121			16.1	20.8	26.7
31	1	1985		42												2.31		8.49		0.16	1.43	17.745		1.57	0.065			38.7	39.4	16.4
31	1	1985		50												3.3		8.1		0.04	10.07	21.252		1.429	0.186			11.	8.4	4.7
31	1	1985		60												3.7		7.64		0.63	21.58	23.382		1.366	0.212			24.9	27.3	10.
14	2	1985		1	800											2.94		8.01		0.21	0.	21.044		0.761	0.934			18.1	8.7	8.7
14	2	1985		1	2000															0.21	0.	21.044			0.761					
14	2	1985		2	800											2.9		8.51		0.16	0.	19.014		0.85	0.318			32.8	27.6	52.2
14	2	1985		2	2000															0.81	18.7	0.			1.358					
14	2	1985		4	800											2.7		8.68		0.23	0.	4.387		0.62	0.6			25.8	8.8	31.

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
14	2	1985		4	2000														0.14	8.63	0.			1.616					
14	2	1985		5	2000														0.08	11.51	0.			0.722					
14	2	1985		5	800											3.22		8.55	0.21	0.	7.88		0.719	0.434			36.6	15.3	44.2
14	2	1985		6	800											3.24		8.75	0.13	11.51	1.093		0.406	0.207			28.4	7.3	16.5
14	2	1985		6	2000														0.1	23.02	0.			0.454					
14	2	1985		7	800											3.34		8.81	0.17	0.	1.999		0.704	0.191			23.1	9.1	28.1
14	2	1985		7	2000														0.72	12.94	0.417			1.237					
14	2	1985		8	800											3.2		8.5	0.1	0.	2.388		0.73	0.247			27.9	11.1	49.4
14	2	1985		8	2000														0.07	10.07	0.685			0.237					
14	2	1985		9	2000														0.04	0.	0.835			0.181					
14	2	1985		9	800											3.1		8.7	0.12	0.	2.149		0.839	0.297			14.9	10.	92.1
14	2	1985		10	2000														0.07	1.43	3.715			0.323					
14	2	1985		10	800											2.31		8.76	0.16	0.	3.343		0.511	0.126			133.9	99.4	333.1
14	2	1985		11	2000														0.17	0.	4.358			1.064					
14	2	1985		11	800											3.42		8.81	0.17	0.	4.358		1.064	0.378			29.9	9.1	35.7
14	2	1985		12	800											2.27		8.36	0.23	0.	1.582		1.022	0.388			54.3	40.	81.
14	2	1985		12	2000														0.45	0.	0.626			1.469					
14	2	1985		13	800											2.28		8.41	0.09	0.	2.268		1.074	0.393			30.1	68.1	59.7
14	2	1985		13	2000														0.41	0.	0.925			1.181					
14	2	1985		14	2000														0.34	0.	0.			1.07					
14	2	1985		14	800											2.38		8.6	0.12	0.	0.507		0.078	0.383			50.6	34.8	72.5
14	2	1985		15	2000														0.22	0.	3.104			0.146					
14	2	1985		15	800											2.92		8.59	0.22	0.	3.104		0.146	0.227			36.4	15.2	32.
14	2	1985		16	2000														0.21	0.	0.895			0.949					
14	2	1985		16	800											2.54		8.54	0.09	0.	4.119		1.038	0.222			31.	22.5	60.8
14	2	1985		17	800											2.6		8.61	0.21	10.07	4.894		0.918	0.171			33.6	23.2	53.8
14	2	1985		18	800											3.14		8.59	0.14	0.	5.343		0.386	0.308			45.4	11.5	47.3
14	2	1985		19	800											3.34		8.44					0.855	0.328			103.1	112.1	324.3
14	2	1985		19	2000														0.05	0.	1.074			0.242					
14	2	1985		20	2000														0.33	0.	3.641			0.845					
14	2	1985		20	2000														0.02	0.	0.447			0.272					
14	2	1985		20	800											2.86		8.56	0.33	0.	3.641		0.845	0.227			71.4	80.5	219.7
14	2	1985		21	800											2.6		8.37	0.08	0.	9.492		0.678	0.313			105.6	47.1	136.2
14	2	1985		21	2000														0.24	0.	4.089			1.393					
14	2	1985		24	2000														0.08	0.	26.238			1.045					
14	2	1985		24	800											2.9		8.49	0.13	8.63	4.105		0.594	0.343			45.2	46.3	133.5
14	2	1985		25	2000														0.12	23.02	0.			0.898					
14	2	1985		25	800											2.35		8.59	0.24	0.	27.551		0.057	0.631			14.1	7.2	11.2
14	2	1985		26	800											1.33		8.61	0.42	0.	11.522		0.14	0.55			48.2	30.3	40.5
14	2	1985		27	2000														0.49	2.87	6.055			0.876					
14	2	1985		27	800											2.41		8.66	0.49	2.87	6.055		0.876	0.297			39.9	20.6	26.7
14	2	1985		28	800											2.77		8.55	0.19	0.	0.		0.13	0.459			29.4	11.7	27.7
14	2	1985		28	2000														0.11	15.82	13.423			1.616					
14	2	1985		29	800											2.27		8.47	0.08	0.	1.88		0.031	0.575			44.3	13.2	53.

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
14	2	1985		29	2000															0.08	0.	1.88			0.031					
14	2	1985		30	800											2.32		8.35		0.24	0.	17.671		1.158	0.474			25.9	21.8	82.3
14	2	1985		31	800											2.43		8.64		0.25	0.	11.88		1.225	0.616			99.3	115.	329.3
14	2	1985		31	2000															0.06	17.26	28.181			1.449					
14	2	1985		32	800											2.1		8.36		0.18	0.	4.149		1.038	0.883			25.9	15.6	45.5
14	2	1985		33	800											1.33		8.32						1.147	0.636			34.3	2.2	27.3
14	2	1985		33	2000																				1.147					
14	2	1985		34	800											1.63		8.76		1.05	0.	12.984		1.111	0.585			80.9	58.	92.2
14	2	1985		34	2000															0.37	0.	18.805			1.888					
14	2	1985		35	2000															0.21	0.	0.238			1.267					
14	2	1985		35	800											2.08		8.92		0.3	0.	8.955		1.121	0.212			64.4	42.1	179.
14	2	1985		36	800											1.69		8.71		0.16	1.43	3.684		0.792	0.666			74.4	46.	115.8
14	2	1985		36	2000															0.14	0.	1.373			1.883					
14	2	1985		37	800											1.98		8.57		0.17	0.	6.984		1.403	0.343			46.4	18.9	69.9
14	2	1985		37	2000															0.01	0.	1.283			1.555					
14	2	1985		38	800											2.31		8.67		0.17	0.	6.984		0.5	0.252			126.6	133.4	393.8
14	2	1985		38	2000															0.08	0.	0.537			1.181					
14	2	1985		39	2000															0.	0.	19.88			0.277					
14	2	1985		39	2000															0.1	0.	0.			1.111					
14	2	1985		39	800											2.02		8.67		0.1	0.	0.		1.111	0.353			21.7	10.5	17.
14	2	1985		40	2000															0.19	0.	2.298			0.959					
14	2	1985		40	800											2.24		8.78		0.19	0.	2.298		0.959	0.303			10.2	5.2	14.2
14	2	1985		40	2000															0.05	0.	1.88			0.383					
14	2	1985		41	2000															0.1	0.	8.955			0.73					
14	2	1985		41	800											1.74		8.31		0.1	0.	8.955		0.73	0.636			43.6	14.6	61.7
14	2	1985		42	2000															0.51	0.	13.641			1.459					
14	2	1985		42	800											2.17		8.69		0.37	0.	4.387		1.904	0.434			21.3	11.4	15.
14	2	1985		50	800											1.72		8.7		0.17	0.	8.537		0.229	0.106			19.7	11.5	36.3
14	2	1985		50	2000															0.04	2.87	0.713			0.141					
14	2	1985		50	2000															0.17	0.	8.537			0.229					
14	2	1985		60	2000															0.73	12.94	1.218			0.171					
14	2	1985		60	800											2.18		7.52		1.54	0.	2.895		0.975	0.126			44.9	12.2	34.8
14	2	1985		60	2000															1.54	0.	2.895			0.975					
15	2	1985		1																0.21	0.	21.044			0.761					
15	2	1985		2																0.88	28.77	0.			2.721					
15	2	1985		4																0.14	24.45	0.			4.141					
15	2	1985		5																0.09	14.38	0.096			0.999					
15	2	1985		6																0.04	17.26	0.			0.752					
15	2	1985		7																0.85	17.26	0.			2.615					
15	2	1985		8																0.11	23.02	1.932			0.393					
15	2	1985		9																0.05	14.38	0.215			0.54					
15	2	1985		10																0.13	12.94	2.686			0.6					
15	2	1985		11																0.17	0.	4.358			1.064					
15	2	1985		12																0.3	17.26	0.			3.105					

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
15	2	1985		13																0.49	14.38	0.126			2.727					
15	2	1985		14																0.93	12.94	0.113			4.277					
15	2	1985		15																0.22	0.	3.104			0.146					
15	2	1985		16																0.38	15.82	0.			3.12					
15	2	1985		19																0.07	18.7	0.			0.555					
15	2	1985		20																0.33	0.	3.641			0.845					
15	2	1985		20																0.11	14.38	0.			0.444					
15	2	1985		21																0.93	24.45	0.			4.04					
15	2	1985		24																0.53	40.28	0.			3.661					
15	2	1985		25																0.56	44.6	0.			3.459					
15	2	1985		27																0.49	2.87	6.055			0.876					
15	2	1985		28																0.29	18.72	0.4			4.534					
15	2	1985		29																0.08	0.	1.88			0.031					
15	2	1985		31																0.34	46.04	0.			4.797					
15	2	1985		33																					1.147					
15	2	1985		34																1.01	43.16	0.			4.787					
15	2	1985		35																0.56	14.38	0.186			3.534					
15	2	1985		36																1.09	30.21	0.			4.802					
15	2	1985		37																0.49	17.26	0.			4.539					
15	2	1985		38																0.75	28.77	0.			4.302					
15	2	1985		39																0.12	12.94	0.352			0.515					
15	2	1985		39																0.1	0.	0.			1.111					
15	2	1985		40																0.09	14.38	0.484			0.858					
15	2	1985		40																0.19	0.	2.298			0.959					
15	2	1985		41																0.1	0.	8.955			0.73					
15	2	1985		42																0.68	21.58	0.			4.242					
15	2	1985		50																0.17	4.31	0.396			0.454					
15	2	1985		50																0.17	0.	8.537			0.229					
15	2	1985		60																2.19	10.07	0.			0.404					
15	2	1985		60																1.54	0.	2.895			0.975					
16	2	1985		1																0.21	0.	21.044			0.761					
16	2	1985		2																0.62	0.	2.149			1.428					
16	2	1985		4																0.39	0.	1.582			1.758					
16	2	1985		5																0.22	0.	1.731			0.535					
16	2	1985		6																0.54	0.	0.567			0.299					
16	2	1985		7																0.54	0.	1.373			0.834					
16	2	1985		8																0.12	0.	1.641			0.136					
16	2	1985		9																0.1	0.	2.742			0.325					
16	2	1985		10																0.19	2.87	3.044			0.409					
16	2	1985		11																0.17	0.	4.358			1.064					
16	2	1985		12																0.31	0.	0.			1.643					
16	2	1985		13																0.3	7.19	1.671			1.391					
16	2	1985		14																0.58	0.	1.522			1.648					
16	2	1985		15																0.22	0.	3.104			0.146					

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
16	2	1985		16																0.6	0.	1.611			1.302					
16	2	1985		19																0.14	0.	1.761			0.325					
16	2	1985		20																0.27	0.	0.985			0.21					
16	2	1985		20																0.33	0.	3.641			0.845					
16	2	1985		21																0.35	0.	2.149			1.837					
16	2	1985		24																0.69	0.	2.059			1.176					
16	2	1985		25																0.73	0.	2.835			2.01					
16	2	1985		27																0.49	2.87	6.055			0.876					
16	2	1985		28																0.27	0.	1.791			2.005					
16	2	1985		29																0.08	0.	1.88			0.031					
16	2	1985		31																0.35	0.	0.597			1.989					
16	2	1985		33																					1.147					
16	2	1985		34																0.82	0.	2.447			2.394					
16	2	1985		35																0.32	0.	2.388			1.438					
16	2	1985		36																0.57	0.	1.88			2.152					
16	2	1985		37																0.32	0.	1.522			1.884					
16	2	1985		38																0.71	0.	2.059			1.638					
16	2	1985		39																0.1	0.	0.			1.111					
16	2	1985		39																0.3	0.	3.014			0.367					
16	2	1985		40																0.19	0.	2.298			0.959					
16	2	1985		40																0.19	0.	2.238			0.43					
16	2	1985		41																0.1	0.	8.955			0.73					
16	2	1985		42																0.5	0.	2.656			1.38					
16	2	1985		50																0.15	0.	2.089			0.183					
16	2	1985		60																1.44	0.	2.716			0.152					
17	2	1985		2																0.3	0.	5.611			0.646					
17	2	1985		4																0.42	0.	3.283			1.191					
17	2	1985		5																0.21	0.	1.044			0.621					
17	2	1985		6																0.2	0.	1.522			0.378					
17	2	1985		7																0.29	0.	1.671			1.565					
17	2	1985		8																0.14	0.	1.253			0.277					
17	2	1985		9																0.12	0.	2.686			0.505					
17	2	1985		10																0.17	0.	1.313			0.565					
17	2	1985		12																0.23	0.	1.104			1.727					
17	2	1985		13																0.22	0.	1.343			1.742					
17	2	1985		14																0.5	0.	1.552			1.722					
17	2	1985		16																0.36	0.	0.865			0.994					
17	2	1985		19																0.24	0.	1.402			0.52					
17	2	1985		20																0.22	0.	1.432			0.262					
17	2	1985		21																0.2	0.	1.164			1.883					
17	2	1985		24																0.43	0.	1.791			1.015					
17	2	1985		25																0.3	0.	1.164			1.368					
17	2	1985		28																0.19	0.	1.194			2.014					
17	2	1985		31																0.17	0.	0.895			7.421					

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
17	2	1985		34																0.47	0.	3.283			2.949					
17	2	1985		35																0.28	0.	0.477			1.464					
17	2	1985		36																0.37	0.	2.208			1.52					
17	2	1985		37																0.23	0.	1.462			1.085					
17	2	1985		38																0.36	0.	1.014			1.762					
17	2	1985		39																0.17	0.	1.373			0.479					
17	2	1985		40																0.2	0.	1.074			0.318					
17	2	1985		42																0.23	0.	1.313			1.439					
20	2	1985		2																0.19	14.38	0.186			0.964					
20	2	1985		4																0.32	14.38	1.171			1.277					
20	2	1985		5																0.1	7.19	0.			0.818					
20	2	1985		6																0.09	10.07	2.058			0.696					
20	2	1985		7																0.22	4.31	1.202			1.116					
20	2	1985		8																0.1	0.	0.537			0.555					
20	2	1985		9																0.12	0.	2.477			0.505					
20	2	1985		10																0.13	0.	0.3			0.656					
20	2	1985		12																0.15	27.33	0.			0.909					
20	2	1985		13																0.16	0.	0.537			1.05					
20	2	1985		14																0.18	14.38	0.531			1.055					
20	2	1985		16																0.26	17.26	1.584			0.747					
20	2	1985		19																0.11	44.6	0.			0.701					
20	2	1985		20																0.06	24.45	0.			0.58					
20	2	1985		21																0.24	34.53	0.			0.858					
20	2	1985		24																0.41	12.94	0.			0.818					
20	2	1985		25																0.1238	24.45	0.			0.05					
20	2	1985		28																0.1966	18.7	0.			0.052					
20	2	1985		31																0.2257	27.33	0.			0.035					
20	2	1985		34																0.7551	1.43	13.57			0.051					
20	2	1985		35																0.4588	14.38	106.63			0.032					
20	2	1985		36																0.3496	18.7	134.47			0.048					
20	2	1985		37																0.2403	0.	4.47			0.02					
20	2	1985		38																0.2646	33.09	0.			0.027					
20	2	1985		39																0.267	0.	4.77			0.017					
20	2	1985		40																0.1651	12.94	0.			0.022					
20	2	1985		42																0.2525	21.58	0.			0.029					
25	2	1985		7								33.	30.	25.	24.															
25	2	1985		28								30.	30.	25.	25.															
25	2	1985		42								30.	29.	24.	25.															
28	2	1985		2																							4.238	18.02	0.
28	2	1985		4																							2.296	0.5048	29.23
28	2	1985		5																							0.528	0.	38.94
28	2	1985		6																							7.384	0.1692	0.4766
28	2	1985		7																							0.952	4.028	6.201
28	2	1985		8																							3.214	5.565	0.9572

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
28	2	1985		9																								17.49	0.7526	0.
28	2	1985		10																								6.146	0.9962	16.59
28	2	1985		12																								8.868	0.	0.
28	2	1985		13																								5.228	0.	0.812
28	2	1985		14																								3.848	0.	0.776
28	2	1985		16																								3.354	0.	31.96
28	2	1985		19																								4.062	13.45	37.46
28	2	1985		20																								34.45	16.51	10.6
28	2	1985		21																								9.786	0.4308	0.5724
28	2	1985		24																								6.996	0.	0.9786
28	2	1985		25																								8.938	0.8904	3.462
28	2	1985		28																								24.91	46.36	35.91
28	2	1985		31																								8.268	18.38	7.42
28	2	1985		34																								3.812	0.4876	40.13
28	2	1985		36																								5.476	25.73	20.95
28	2	1985		37																								6.148	14.5	0.0206
28	2	1985		38																								5.724	5.353	8.497
28	2	1985		39																								4.592	20.28	42.3
28	2	1985		42																								7.738	24.77	2.684
28	2	1985		50																								8.796	1.605	12.74
28	2	1985		60																								29.15	6.992	21.2
4	3	1985		1																								6.146	3.706	3.193
4	3	1985		2																								1.094	42.2	5.245
4	3	1985		4																								4.802	2.101	29.48
4	3	1985		5																								5.406	0.1128	0.7204
4	3	1985		6																								5.582	30.82	40.82
4	3	1985		7								31.	30.	24.	24.													8.302	37.82	88.
4	3	1985		8																								7.698	5.033	36.54
4	3	1985		9																								3.108	0.3846	20.04
4	3	1985		10																								3.426	41.73	29.27
4	3	1985		11																								4.734	25.55	5.048
4	3	1985		12																								9.328	21.22	0.782
4	3	1985		13																								0.916	0.0242	1.16
4	3	1985		14																								6.324	32.61	1.465
4	3	1985		15																								4.944	91.45	5.754
4	3	1985		16																								8.798	13.86	0.957
4	3	1985		17																								5.688	1.376	1.162
4	3	1985		18																								4.662	35.94	3.191
4	3	1985		19																								8.126	31.73	0.974
4	3	1985		20																								4.628	37.88	3.351
4	3	1985		21																								9.222	3.144	0.248
4	3	1985		24																								9.01	12.86	2.625
4	3	1985		25																								6.534	10.14	1.351
4	3	1985		26																								9.116	23.82	1.177

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
4	3	1985		27																										
4	3	1985		28								31.	30.	24.	23.													7.172	22.28	3.777
4	3	1985		29																								0.422	2.788	3.917
4	3	1985		30																								7.912	8.056	2.442
4	3	1985		31																								8.374	9.169	1.937
4	3	1985		32																								30.21	15.7	3.908
4	3	1985		33																								3.496	51.69	3.64
4	3	1985		34																								4.414	0.9044	0.157
4	3	1985		35																								2.224	67.84	5.385
4	3	1985		36																								8.338	5.192	3.468
4	3	1985		37																								6.218	32.58	2.205
4	3	1985		39																								27.03	7.401	2.134
4	3	1985		40																								2.402	22.49	3.108
4	3	1985		41																								1.342	25.34	1.64
4	3	1985		42								31.	30.	24.	24.													8.868	6.269	3.582
4	3	1985		50																								0.954	8.904	1.14
4	3	1985		60																								1.978	3.585	0.128
11	3	1985		7																								4.732	20.53	1.38
11	3	1985		28								31.	29.	23.	22.															
11	3	1985		42								32.	30.	22.	21.															
15	3	1985		1								31.	30.	24.	24.															
15	3	1985		2																								29.68	76.64	0.
15	3	1985		4																								2.648	3.441	3.085
15	3	1985		5																								13.78	2.701	2.502
15	3	1985		6																								5.582	27.88	1.297
15	3	1985		7																								4.486	1.957	4.042
15	3	1985		8																								1.412	5.332	3.142
15	3	1985		9																								0.458	43.57	3.985
15	3	1985		10																								5.228	9.309	7.714
15	3	1985		11																								27.03	56.9	3.962
15	3	1985		12																								9.362	74.8	5.911
15	3	1985		13																								19.08	9.273	2.945
15	3	1985		14																								4.628	61.84	1.705
15	3	1985		15																								9.044	60.78	5.131
15	3	1985		16																								40.81	83.67	4.154
15	3	1985		17																								2.12	19.4	2.282
15	3	1985		18																								8.514	61.84	0.794
15	3	1985		19																								57.24	139.3	9.948
15	3	1985		20																								21.2	41.66	4.522
15	3	1985		21																								8.444	31.73	5.831
15	3	1985		24																								9.538	9.996	3.94
15	3	1985		25																								25.44	44.06	5.08
15	3	1985		26																								19.61	6.004	3.557
15	3	1985		27																								0.776	35.97	1.902
																												9.928	6.852	3.765

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
15	3	1985		28																								1.624	28.7	2.885
15	3	1985		29																								1.588	0.225	2.897
15	3	1985		30																								3.462	5.228	0.774
15	3	1985		31																								5.688	16.65	1.737
15	3	1985		32																								4.486	29.55	3.791
15	3	1985		33																								4.486	44.75	4.065
15	3	1985		34																								34.98	78.52	4.951
15	3	1985		35																								22.79	44.42	3.908
15	3	1985		36																								9.01	36.58	4.28
15	3	1985		38																								7.348	56.5	4.262
15	3	1985		39																								0.494	17.74	2.297
15	3	1985		40																								18.02	36.04	1.951
15	3	1985		41																								8.338	41.21	3.145
15	3	1985		42																								1.306	47.	2.928
15	3	1985		50																								3.074	0.	4.414
15	3	1985		60																								3.814	0.208	3.491
18	3	1985		7								32.	29.	23.	22.															
18	3	1985		28								31.	30.	24.	22.															
18	3	1985		42								32.	29.	23.	22.															
25	3	1985		7								31.	29.	24.	22.															
25	3	1985		28								32.	30.	24.	22.															
25	3	1985		42								31.	30.	24.	23.															
2	4	1985		7								31.	31.	24.	24.															
2	4	1985		28								32.	31.	24.	24.															
2	4	1985		42								32.	32.	23.	23.															
8	4	1985		1																								4.204	0.0282	0.333
8	4	1985		2																								4.486	2.171	0.
8	4	1985		4																								3.744	8.48	0.588
8	4	1985		5																								19.61	0.2366	1.011
8	4	1985		6																								1.798	0.2504	2.564
8	4	1985		7																								38.16	4.151	1.111
8	4	1985		8																								2.188	20.06	1.053
8	4	1985		9																								20.67	0.7098	0.475
8	4	1985		10																								31.27	4.628	0.74
8	4	1985		11																								8.338	0.3002	0.526
8	4	1985		12																								84.27	43.12	2.337
8	4	1985		13																								3.566	11.68	1.393
8	4	1985		14																								7.524	6.996	1.486
8	4	1985		15																								75.26	34.78	2.917
8	4	1985		16																								7.454	0.0316	0.986
8	4	1985		17																								2.436	12.26	0.844
8	4	1985		18																								5.546	0.1766	0.466
8	4	1985		19																								6.642	0.5722	0.615
8	4	1985		20																								2.508	0.1978	1.457

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
8	4	1985		21																								0.526	0.	3.753
8	4	1985		24																								7.948	12.	1.631
8	4	1985		25																								45.58	0.	3.044
8	4	1985		26																								2.328	12.62	3.317
8	4	1985		27																								4.098	0.5052	0.295
8	4	1985		28																								2.328	27.27	1.755
8	4	1985		29																								3.038	0.5864	0.631
8	4	1985		30																								8.232	7.632	0.568
8	4	1985		31																								77.91	27.06	2.888
8	4	1985		32																								3.884	18.36	1.184
8	4	1985		33																								4.486	0.2578	0.804
8	4	1985		34																								4.452	0.	0.086
8	4	1985		35																								0.422	0.1446	0.937
8	4	1985		36																								5.406	0.7172	0.071
8	4	1985		37																								4.556	1.819	0.846
8	4	1985		38																								3.318	0.	0.335
8	4	1985		39																								9.964	0.5406	0.886
8	4	1985		40																								4.344	0.9538	1.373
8	4	1985		41																								7.666	0.4802	0.675
8	4	1985		42																								0.422	6.731	1.531
8	4	1985		50																								1.342	0.5406	0.224
8	4	1985		60																								1.06	0.0636	0.
8	4	1985		70																								2.544	0.6042	0.12
10	4	1985		7								34.	33.	24.	24.															
10	4	1985		28								32.	32.	24.	25.															
10	4	1985		42								31.	30.	23.	23.															
15	4	1985		7								34.	33.	24.	25.															
15	4	1985		28								32.	32.	24.	24.															
15	4	1985		42								33.	32.	23.	23.															
22	4	1985		1																								23.5	8.268	1.365
22	4	1985		2																								22.75	0.1622	0.505
22	4	1985		4																								2.455	4.187	0.887
22	4	1985		5																								19.41	0.6992	1.635
22	4	1985		6																								1.147	0.1302	0.892
22	4	1985		7								31.	30.	25.	24.															
22	4	1985		7								31.	31.	24.	25.													26.2	8.798	0.627
22	4	1985		8																								35.69	8.391	0.645
22	4	1985		9																								1.147	0.2362	0.755
22	4	1985		10																								1.429	0.176	1.192
22	4	1985		11																								3.055	0.2292	0.45
22	4	1985		12																								48.23	0.564	2.067
22	4	1985		13																								20.21	4.664	0.712
22	4	1985		14																								25.03	0.0242	0.892
22	4	1985		15																								23.76	4.346	1.14

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
22	4	1985		16																								7.206	8.056	1.482
22	4	1985		17																								6.165	0.4592	1.16
22	4	1985		18																								0.3492	0.4732	0.477
22	4	1985		19																										
22	4	1985		20																								24.91	5.088	1.522
22	4	1985		21																								8.48	1.855	0.827
22	4	1985		24																								15.23	0.2542	0.645
22	4	1985		25																								4.062	4.77	1.087
22	4	1985		26																								14.38	3.18	0.585
22	4	1985		27																								8.215	0.2402	0.507
22	4	1985		28								32.	31.	24.	24.															
22	4	1985		28								32.	32.	24.	24.													20.9	0.2012	0.91
22	4	1985		29																								9.434	0.954	0.832
22	4	1985		30																								9.292	4.77	1.022
22	4	1985		31																								22.01	0.9502	0.7
22	4	1985		32																								9.044	5.512	1.332
22	4	1985		33																								7.278	3.975	0.582
22	4	1985		34																								0.617	0.4662	0.785
22	4	1985		35																								8.249	4.452	1.215
22	4	1985		36																								21.	5.512	1.105
22	4	1985		37																								13.9	1.431	0.495
22	4	1985		38																								1.111	11.41	0.477
22	4	1985		39																								3.233	0.477	0.26
22	4	1985		40																								35.84	6.678	1.565
22	4	1985		41																								4.062	0.0032	0.812
22	4	1985		42								31.	31.	24.	24.															
22	4	1985		42								32.	31.	25.	24.													13.78	3.763	0.195
22	4	1985		50																								28.05	0.1482	1.075
22	4	1985		60																								0.282	1.961	0.442
22	4	1985		70																								2.597	1.113	0.382
29	4	1985		1																								36.69	7.314	1.447
29	4	1985		2																								2.472	0.1162	0.827
29	4	1985		4																								44.88	0.8792	0.949
29	4	1985		5																								101.5	7.772	3.492
29	4	1985		6																								6.498	9.875	2.97
29	4	1985		7																								67.84	30.86	1.735
29	4	1985		8																								15.97	0.3282	0.23
29	4	1985		9																								41.36	3.462	0.78
29	4	1985		10																								60.33	21.91	2.297
29	4	1985		11																								41.89	18.99	1.08
29	4	1985		12																								29.17	0.9252	0.802
29	4	1985		13																								7.736	2.826	2.097
29	4	1985		14																								31.45	4.681	0.582
29	4	1985		15																										

Table 4. Intensive Sampling Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A	CHLOR-OPHYLL B	CHLOR-OPHYLL C
29	4	1985		16																										
29	4	1985		17																								74.59	9.133	2.335
29	4	1985		18																								62.56	20.79	1.985
29	4	1985		19																								1.215	13.48	2.39
29	4	1985		20																								15.76	0.8972	0.227
29	4	1985		21																								55.67	0.051	1.462
29	4	1985		24																								33.04	9.222	0.392
29	4	1985		25																								1.075	1.995	0.9
29	4	1985		26																								8.355	7.897	0.682
29	4	1985		27																								28.62	0.2822	1.222
29	4	1985		28																								5.457	12.72	0.98
29	4	1985		29																								47.66	2.667	1.06
29	4	1985		30																								25.46	6.042	1.28
29	4	1985		31																								5.934	9.752	1.31
29	4	1985		32																								6.746	8.762	0.262
29	4	1985		33																								6.447	0.8442	1.052
29	4	1985		34																								3.833	5.989	1.04
29	4	1985		35																								45.17	22.86	0.807
29	4	1985		36																								32.29	10.62	0.842
29	4	1985		37																								47.98	1.554	1.64
29	4	1985		38																								4.855	15.28	2.165
29	4	1985		39																								9.042	28.85	1.845
29	4	1985		40																								16.23	2.597	0.377
29	4	1985		41																								4.927	0.0172	1.462
29	4	1985		42																								6.199	10.4	0.982
29	4	1985		50																								1.781	12.84	1.792
29	4	1985		60																								0.087	2.491	0.38
																												20.17	4.611	1.36

Table 5. Diurnal Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
28	2	1985	2200	4	7.9			25.			
28	2	1985	615	4	4.2			24.			
28	2	1985	1400	4	8.1			27.5			
28	2	1985	1200	4							8.75
28	2	1985	1000	4	6.			25.			
28	2	1985	1800	4	9.			26.5			9.26
28	2	1985	2200	7	8.9			25.			
28	2	1985	615	7	4.			24.			
28	2	1985	1400	7	8.8			27.5			
28	2	1985	1200	7							8.96
28	2	1985	1000	7	5.8			25.			
28	2	1985	1800	7	9.5			27.			9.85
28	2	1985	615	13	5.			24.			
28	2	1985	1400	13	10.2			28.			
28	2	1985	1200	13							8.9
28	2	1985	1000	13	7.			25.			
28	2	1985	1800	13	11.9			27.5			9.88
28	2	1985	2200	13	9.8			26.			
28	2	1985	615	14	6.			24.			
28	2	1985	1400	14	10.8			29.			
28	2	1985	1200	14							9.04
28	2	1985	1000	14	6.9			25.			
28	2	1985	1800	14	11.6			27.5			10.22
28	2	1985	2200	14	9.2			26.			
28	2	1985	1200	16							9.01
28	2	1985	1000	16	6.8			25.			
28	2	1985	615	16	5.			24.			
28	2	1985	1400	16	9.3			28.			
28	2	1985	1800	16	10.4			27.5			9.56
28	2	1985	2200	16	7.4			25.			
28	2	1985	1200	21							8.94
28	2	1985	1000	21	6.			25.			
28	2	1985	615	21	4.			24.			
28	2	1985	1400	21	8.3			29.			
28	2	1985	1800	21	9.1			27.5			9.85
28	2	1985	2200	21	7.3			25.			
28	2	1985	615	25	3.6			24.			
28	2	1985	1000	25	6.			24.			
28	2	1985	1200	25							8.09
28	2	1985	2200	25	6.1			24.5			
28	2	1985	1800	25	7.5			27.5			9.38
28	2	1985	1400	25	7.6			28.			
28	2	1985	615	28	3.8			24.			

Table 5. Diurnal Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
28	2	1985	1000	28	6.			24.			
28	2	1985	1200	28							8.26
28	2	1985	2200	28	6.6			25.			
28	2	1985	1800	28	7.			27.5			9.08
28	2	1985	1400	28	7.9			27.5			
28	2	1985	615	34	4.			24.			
28	2	1985	1000	34	6.7			24.			
28	2	1985	1800	34	8.8			27.			9.48
28	2	1985	1400	34	9.2			27.5			
28	2	1985	1200	34							8.34
28	2	1985	2200	34	7.4			25.5			
28	2	1985	615	35	4.2			24.			
28	2	1985	1000	35	5.6			24.			
28	2	1985	1800	35	8.			27.			9.25
28	2	1985	1400	35	7.8			28.			
28	2	1985	1200	35							8.32
28	2	1985	2200	35	7.			25.5			
28	2	1985	1000	37	6.4			24.			
28	2	1985	1800	37	8.2			27.			9.34
28	2	1985	1400	37	8.7			27.			
28	2	1985	1200	37							8.39
28	2	1985	2200	37	9.			24.5			
28	2	1985	615	37	4.			24.			
28	2	1985	1000	42	6.2			24.			
28	2	1985	1800	42	7.5			27.			9.28
28	2	1985	1400	42	7.9			27.			
28	2	1985	1200	42							8.39
28	2	1985	2200	42	7.			25.			
28	2	1985	615	42	4.			24.			
1	3	1985	200	4	4.2			24.			
1	3	1985	0	4							9.01
1	3	1985	600	4	3.			24.			8.62
1	3	1985	200	7	4.			24.			
1	3	1985	0	7							9.4
1	3	1985	600	7	2.5			24.			8.96
1	3	1985	0	13							9.26
1	3	1985	200	13	4.8			24.			
1	3	1985	600	13	3.8			24.			8.87
1	3	1985	0	14							9.43
1	3	1985	200	14	4.			23.			
1	3	1985	600	14	3.9			24.			9.04
1	3	1985	600	16	4.1			23.			9.06
1	3	1985	0	16							9.47
1	3	1985	200	16	4.6			23.5			

Table 5. Diurnal Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
1	3	1985	600	21	3.8			23.			8.91
1	3	1985	0	21							9.33
1	3	1985	200	21							
1	3	1985	200	25	3.9			23.5			
1	3	1985	600	25	3.6			22.5			8.74
1	3	1985	0	25							9.19
1	3	1985	200	28	4.			23.5			
1	3	1985	600	28	3.8			23.5			8.93
1	3	1985	0	28							9.05
1	3	1985	0	34							9.18
1	3	1985	200	34	4.			23.			
1	3	1985	600	34	4.			23.5			8.91
1	3	1985	0	35							9.03
1	3	1985	200	35	4.			23.			
1	3	1985	600	35	3.9			24.			8.81
1	3	1985	0	37							9.1
1	3	1985	600	37	3.			24.			8.89
1	3	1985	200	37	4.4			23.5			
1	3	1985	0	42							8.93
1	3	1985	600	42	3.6			24.			8.76
1	3	1985	200	42							
28	3	1985	2200	4	5.			25.			
28	3	1985	600	4	3.3			24.			
28	3	1985	1400	4	8.5			28.			
28	3	1985	0	4							8.7
28	3	1985	1000	4	5.6			25.5			
28	3	1985	1800	4	7.4			27.			8.58
28	3	1985	200	4	5.2			24.			
28	3	1985	1200	4							
28	3	1985	600	4	3.4			23.5			8.26
28	3	1985	2200	7	5.			25.			
28	3	1985	600	7	3.6			24.			
28	3	1985	1400	7	10.6			28.5			
28	3	1985	0	7							8.69
28	3	1985	1000	7	4.5			25.5			
28	3	1985	1800	7	7.2			28.			8.59
28	3	1985	200	7	5.2			24.			
28	3	1985	1200	7							
28	3	1985	600	7	3.1			24.			8.34
28	3	1985	600	13	4.1			24.			
28	3	1985	1400	13	10.2			28.			
28	3	1985	0	13							8.72
28	3	1985	1000	13	6.9			25.5			
28	3	1985	1800	13	9.2			28.			8.75

Table 5. Diurnal Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
28	3	1985	1800	28	6.4			27.			8.63
28	3	1985	200	28	3.6			24.			
28	3	1985	1200	28							
28	3	1985	600	28	2.8			23.5			
28	3	1985	600	34	2.7			23.5			
28	3	1985	1400	34	9.2			28.5			
28	3	1985	0	34							8.67
28	3	1985	1000	34	6.8			25.			
28	3	1985	1800	34	7.9			27.			8.54
28	3	1985	200	34	4.6			24.			
28	3	1985	1200	34							
28	3	1985	2200	34	4.1			25.			
28	3	1985	600	34	2.			23.5			8.18
28	3	1985	600	35	1.9			23.5			
28	3	1985	600	35	0.9			23.5			8.21
28	3	1985	1400	35	9.1			28.5			
28	3	1985	0	35							8.91
28	3	1985	1000	35	5.9			25.			
28	3	1985	1800	35	7.2			27.			8.59
28	3	1985	200	35	2.4			24.			
28	3	1985	1200	35							
28	3	1985	2200	35	4.			25.			
28	3	1985	600	37	2.7			23.5			
28	3	1985	0	37							8.76
28	3	1985	1000	37	7.1			25.			
28	3	1985	1800	37	7.1			27.			8.71
28	3	1985	200	37	4.1			24.			
28	3	1985	1200	37							
28	3	1985	2200	37	5.			25.			
28	3	1985	600	37	2.2			23.			8.46
28	3	1985	1400	37	8.8			28.			
28	3	1985	600	42	3.			23.			
28	3	1985	0	42							8.86
28	3	1985	1000	42	6.7			25.			
28	3	1985	1800	42	7.2			27.			8.34
28	3	1985	200	42	4.2			24.			
28	3	1985	1200	42							
28	3	1985	2200	42	4.7			25.			
28	3	1985	600	42	2.6			23.			8.01
28	3	1985	1400	42	8.2			28.			
29	3	1985	0	21							8.47

Table 5. Diurnal Measurements. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
28	3	1985	200	13	6.5			25.			
28	3	1985	1200	13							
28	3	1985	2200	13	6.5			25.			
28	3	1985	600	13	3.4			24.			8.28
28	3	1985	600	14	3.7			24.			
28	3	1985	1400	14	8.7			28.			
28	3	1985	0	14							8.81
28	3	1985	1000	14	6.9			25.5			
28	3	1985	1800	14	8.4			28.			8.53
28	3	1985	200	14	6.			25.			
28	3	1985	1200	14							
28	3	1985	2200	14	5.7			25.			
28	3	1985	600	14	3.2			24.			
28	3	1985	600	16	3.4			24.			8.47
28	3	1985	0	16							8.96
28	3	1985	1000	16	6.7			25.5			
28	3	1985	1800	16	8.4			28.			8.7
28	3	1985	200	16	5.3			24.5			
28	3	1985	1200	16							
28	3	1985	2200	16	5.7			25.			
28	3	1985	600	16	3.4			24.			
28	3	1985	1400	16	9.1			28.			
28	3	1985	600	21	1.8			23.5			8.2
28	3	1985	1200	21							
28	3	1985	1000	21	6.6			25.5			
28	3	1985	1800	21	8.1			28.			8.74
28	3	1985	200	21	4.1			25.			
28	3	1985	600	21	1.7			24.			
28	3	1985	2200	21	5.5			25.			
28	3	1985	1400	21	9.8			31.			
28	3	1985	2200	25	5.			25.			
28	3	1985	600	25	2.4			23.			2.2
28	3	1985	1400	25	8.4			28.			
28	3	1985	0	25							8.86
28	3	1985	1000	25	7.5			25.			
28	3	1985	1800	25	6.2			27.			8.65
28	3	1985	200	25	3.6			24.			
28	3	1985	1200	25							
28	3	1985	600	25	2.8			23.5			
28	3	1985	2200	28	5.			24.5			
28	3	1985	600	28	2.2			23.			2.2
28	3	1985	1400	28	9.			28.			
28	3	1985	0	28							8.85
28	3	1985	1000	28	6.5			25.			

Table 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND	ACTIVITY	SPECIES	POP. WEIGHT	POP. NUMBER	SAMPLE WEIGHT	SAMPLE WT.-#	SAMPLE WT.-SD	SAMPLE LENGTH	SAMPLE LT.-#	SAMPLE LT.-SD	REPROD. WEIGHT	REPROD. NUMBER
19	7	1984	4	STK	VAN	3.07	2364	1.3	100			100			
19	7	1984	7	STK	VAN	3.13	2408	1.3	100			100			
19	7	1984	13	STK	VAN	3.24	2496	1.3	100			100			
19	7	1984	14	STK	VAN	2.96	2276	1.3	100			100			
19	7	1984	16	STK	VAN	3.55	2732	1.3	100			100			
19	7	1984	21	STK	VAN	3.19	2456	1.3	100			100			
19	7	1984	25	STK	VAN	2.89	2220	1.3	100			100			
19	7	1984	28	STK	VAN	3.02	2324	1.3	100			100			
19	7	1984	34	STK	VAN	3.08	2372	1.3	100			100			
19	7	1984	35	STK	VAN	2.95	2268	1.3	100			100			
19	7	1984	37	STK	VAN	3.04	2336	1.3	100			100			
19	7	1984	42	STK	VAN	3.14	2416	1.3	100			100			
3	8	1984	4	SAM	VAN	12.53	2364	5.3	25			25			
3	8	1984	7	SAM	VAN	14.93	2408	6.2	25			25			
3	8	1984	13	SAM	VAN	15.97	2496	6.4	25			25			
3	8	1984	14	SAM	VAN	13.2	2276	5.8	25			25			
3	8	1984	16	SAM	VAN	8.2	2732	3.	25			25			
3	8	1984	21	SAM	VAN	11.3	2456	4.6	25			25			
3	8	1984	25	SAM	VAN	12.21	2220	5.5	25			25			
3	8	1984	28	SAM	VAN	17.43	2324	7.5	25			25			
3	8	1984	34	SAM	VAN	12.33	2372	5.2	25			25			
3	8	1984	35	SAM	VAN	10.66	2268	4.7	25			25			
3	8	1984	37	SAM	VAN	9.34	2336	4.	25			25			
3	8	1984	42	SAM	VAN	6.04	2416	2.5	25			25			
21	8	1984	4	SAM	VAN	18.44	2364	7.8	25			25			
21	8	1984	7	SAM	VAN	16.62	2408	6.9	25			25			
21	8	1984	13	SAM	VAN	21.96	2496	8.8	25			25			
21	8	1984	14	SAM	VAN	14.57	2276	6.4	25			25			
21	8	1984	16	SAM	VAN	19.4	2732	7.1	25			25			
21	8	1984	21	SAM	VAN	11.3	2456	4.6	25			25			
21	8	1984	25	SAM	VAN	23.09	2220	10.4	25			25			
21	8	1984	28	SAM	VAN	23.01	2324	9.9	25			25			
21	8	1984	34	SAM	VAN	19.69	2372	8.3	25			25			
21	8	1984	35	SAM	VAN	17.24	2268	7.6	25			25			
21	8	1984	37	SAM	VAN	18.92	2336	8.1	25			25			
21	8	1984	42	SAM	VAN	13.29	2416	5.5	25			25			
6	9	1984	4	SAM	VAN	25.77	2364	10.9	25			25			
6	9	1984	7	SAM	VAN	19.5	2408	8.1	25			25			
6	9	1984	13	SAM	VAN	30.2	2496	12.1	25			25			
6	9	1984	14	SAM	VAN	25.72	2276	11.3	25			25			
6	9	1984	16	SAM	VAN	24.86	2732	9.1	25			25			
6	9	1984	21	SAM	VAN	15.72	2456	6.4	25			25			
6	9	1984	25	SAM	VAN	23.09	2220	10.4	25			25			
6	9	1984	28	SAM	VAN	29.28	2324	12.6	25			25			

Table 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND	ACTIVITY	SPECIES	POP. WEIGHT	POP. NUMBER	SAMPLE WEIGHT	SAMPLE WT.-#	SAMPLE WT.-SD	SAMPLE LENGTH	SAMPLE LT.-#	SAMPLE LT.-SD	REPROD. WEIGHT	REPROD. NUMBER
6	9	1984	34	SAM	VAN	22.3	2372	9.4	25			25			
6	9	1984	35	SAM	VAN	19.28	2268	8.5	25			25			
6	9	1984	37	SAM	VAN	22.89	2336	9.8	25			25			
6	9	1984	42	SAM	VAN	18.12	2416	7.5	25			25			
21	9	1984	4	SAM	VAN	25.77	2364	10.9	25			25			
21	9	1984	7	SAM	VAN	20.47	2408	8.5	25			25			
21	9	1984	13	SAM	VAN	30.2	2496	12.1	25			25			
21	9	1984	14	SAM	VAN	30.27	2276	13.3	25			25			
21	9	1984	16	SAM	VAN	24.86	2732	9.1	25			25			
21	9	1984	21	SAM	VAN	15.72	2456	6.4	25			25			
21	9	1984	25	SAM	VAN	31.08	2220	14.	25			25			
21	9	1984	28	SAM	VAN	29.75	2324	12.8	25			25			
21	9	1984	34	SAM	VAN	26.8	2372	11.3	25			25			
21	9	1984	35	SAM	VAN	31.3	2268	13.8	25			25			
21	9	1984	37	SAM	VAN	31.3	2336	13.4	25			25			
21	9	1984	42	SAM	VAN	18.12	2416	7.5	25			25			
5	10	1984	4	SAM	VAN	25.77	2364	10.9	25			25			
5	10	1984	7	SAM	VAN	20.47	2408	8.5	25			25			
5	10	1984	13	SAM	VAN	30.2	2496	12.1	25			25			
5	10	1984	14	SAM	VAN	30.27	2276	13.3	25			25			
5	10	1984	16	SAM	VAN	24.04	2732	8.8	25			25			
5	10	1984	21	SAM	VAN	15.72	2456	6.4	25			25			
5	10	1984	25	SAM	VAN	31.3	2220	14.1	25			25			
5	10	1984	28	SAM	VAN	35.79	2324	15.4	25			25			
5	10	1984	34	SAM	VAN	29.65	2372	12.5	25			25			
5	10	1984	35	SAM	VAN	31.3	2268	13.8	25			25			
5	10	1984	37	SAM	VAN	31.3	2336	13.4	25			25			
5	10	1984	42	SAM	VAN	20.54	2416	8.5	25			25			
17	10	1984	4	SAM	VAN	21.99	2364	9.3	25			25			
17	10	1984	7	SAM	VAN	18.06	2408	7.5	25			25			
17	10	1984	13	SAM	VAN	28.2	2496	11.3	25			25			
17	10	1984	14	SAM	VAN	20.48	2276	9.	25			25			
17	10	1984	16	SAM	VAN	24.04	2732	8.8	25			25			
17	10	1984	21	SAM	VAN	16.46	2456	6.7	25			25			
17	10	1984	25	SAM	VAN	37.52	2220	16.9	25			25			
17	10	1984	28	SAM	VAN	38.58	2324	16.6	25			25			
17	10	1984	34	SAM	VAN	34.63	2372	14.6	25			25			
17	10	1984	35	SAM	VAN	32.66	2268	14.4	25			25			
17	10	1984	37	SAM	VAN	34.11	2336	14.6	25			25			
17	10	1984	42	SAM	VAN	22.95	2416	9.5	25			25			
1	11	1984	4	SAM	VAN	24.11	2364	10.2	25			25			
1	11	1984	7	SAM	VAN	18.3	2408	7.6	25			25			
1	11	1984	13	SAM	VAN	24.71	2496	9.9	25			25			
1	11	1984	14	SAM	VAN	24.35	2276	10.7	25			25			
1	11	1984	16	SAM	VAN	21.31	2732	7.8	25			25			

Table 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND	ACTIVITY	SPECIES	POP. WEIGHT	POP. NUMBER	SAMPLE WEIGHT	SAMPLE WT.-#	SAMPLE WT.-SD	SAMPLE LENGTH	SAMPLE LT.-#	SAMPLE LT.-SD	REPROD. WEIGHT	REPROD. NUMBER
1	11	1984	21	SAM	VAN	15.47	2456	6.3	25			25			
1	11	1984	25	SAM	VAN	39.96	2220	18.	25			25			
1	11	1984	28	SAM	VAN	42.3	2324	18.2	25			25			
1	11	1984	34	SAM	VAN	37.	2372	15.6	25			25			
1	11	1984	35	SAM	VAN	36.29	2268	16.	25			25			
1	11	1984	37	SAM	VAN	15.18	2336	6.5	25			25			
1	11	1984	42	SAM	VAN	26.82	2416	11.1	25			25			
13	11	1984	4	SAM	VAN	23.88	2364	10.1							
13	11	1984	7	SAM	VAN	17.82	2408	7.4							
13	11	1984	13	SAM	VAN	24.21	2496	9.7							
13	11	1984	14	SAM	VAN	20.26	2276	8.9							
13	11	1984	16	SAM	VAN	19.67	2732	7.2							
13	11	1984	21	SAM	VAN	14.74	2456	6.							
13	11	1984	37	SAM	VAN	37.61	2336	16.1							
13	11	1984	42	SAM	VAN	28.75	2416	11.9							
14	11	1984	4	HAR	VAN	18.4	1674	11.	100	1.2	11.1	100	0.5		
14	11	1984	7	HAR	VAN	12.73	1741	7.3	100	1.1	10.	100	0.5		
15	11	1984	13	HAR	VAN	15.7	1501	10.4	100	1.5	10.9	100	0.6		
15	11	1984	14	HAR	VAN	14.78	1450	10.2	100	1.9	10.4	100	0.8		
15	11	1984	34	SAM	VAN	38.19	2372	16.1	25			25			
15	11	1984	35	SAM	VAN	38.78	2268	17.1	25			25			
16	11	1984	16	HAR	VAN	17.5	1865	9.4	100	2.7	10.2	100	1.2		
16	11	1984	21	HAR	VAN	12.68	1475	8.6	100	1.9	10.1	100	1.		
16	11	1984	25	SAM	VAN	37.3	2220	16.8	25			25			
16	11	1984	28	SAM	VAN	45.55	2324	19.6	25			25			
6	12	1984	25	SAM	VAN	39.96	2220	18.	25			25			
6	12	1984	28	SAM	VAN	45.55	2324	19.6	25			25			
6	12	1984	34	SAM	VAN	40.56	2372	17.1	25			25			
6	12	1984	35	SAM	VAN	44.	2268	19.4	25			25			
6	12	1984	37	SAM	VAN	39.24	2336	16.8	25			25			
6	12	1984	42	SAM	VAN	32.86	2416	13.6	25			25			
18	12	1984	34	HAR	VAN	36.6	2044	17.9	100			100			
18	12	1984	35	HAR	VAN	29.25	1500	19.5	100			100			
18	12	1984	37	HAR	VAN	28.7	1577	18.2	100			100			
18	12	1984	42	HAR	VAN	32.7	2280	14.3	100			100			
19	12	1984	25	HAR	VAN	32.96	1600	20.6	100			100			
19	12	1984	28	HAR	VAN	31.2	1453	21.5	100			100			

Table 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND	ACTIVITY	SPECIES	POP. WEIGHT	POP. NUMBER	SAMPLE WEIGHT	SAMPLE WT.-#	SAMPLE WT.-SD	SAMPLE LENGTH	SAMPLE LT.-#	SAMPLE LT.-SD	REPROD. WEIGHT	REPROD. NUMBER
30	1	1985	4	STK	VAN	1.65	2364	0.7	50			50			
30	1	1985	7	STK	VAN	1.69	2408	0.7	50			50			
30	1	1985	13	STK	VAN	1.75	2496	0.7	50			50			
30	1	1985	14	STK	VAN	1.59	2276	0.7	50			50			
30	1	1985	16	STK	VAN	2.01	2867	0.7	50			50			
30	1	1985	21	STK	VAN	1.72	2456	0.7	50			50			
30	1	1985	25	STK	VAN	1.55	2220	0.7	50			50			
30	1	1985	28	STK	VAN	1.63	2324	0.7	50			50			
30	1	1985	34	STK	VAN	1.66	2372	0.7	50			50			
30	1	1985	35	STK	VAN	1.59	2268	0.7	50			50			
30	1	1985	37	STK	VAN	1.64	2336	0.7	50			50			
30	1	1985	42	STK	VAN	1.69	2416	0.7	50			50			
13	2	1985	4	SAM	VAN	2.49	2128	1.2	15		5.	15			
13	2	1985	7	SAM	VAN	5.74	2167	2.6	20		7.9	20			
13	2	1985	13	SAM	VAN	3.05	2246	1.4	20		5.7	20			
13	2	1985	14	SAM	VAN	1.62	2048	0.8	20		4.9	20			
13	2	1985	16	SAM	VAN	5.93	2580	2.3	20		6.8	20			
13	2	1985	21	SAM	VAN	1.86	2210	0.8	20		5.6	20			
13	2	1985	25	SAM	VAN	4.34	1998	2.2	20		6.8	20			
13	2	1985	28	SAM	VAN	4.9	2092	2.3	20		7.4	20			
13	2	1985	34	SAM	VAN	3.03	2135	1.4	20		3.2	20			
13	2	1985	35	SAM	VAN	2.71	2041	1.3	20		6.2	20			
13	2	1985	37	SAM	VAN	4.23	2102	2.	20		5.6	20			
13	2	1985	42	SAM	VAN	3.54	2174	1.6	20		5.7	20			
27	2	1985	4	SAM	VAN	8.09	2128	3.8	14		7.6	14			
27	2	1985	7	SAM	VAN	8.47	2167	3.9	14		8.1	14			
27	2	1985	13	SAM	VAN	7.03	2246	3.1	14		7.3	14			
27	2	1985	14	SAM	VAN	6.7	2048	3.3	14		8.9	14			
27	2	1985	16	SAM	VAN	6.42	2580	2.5	14		7.2	14			
27	2	1985	21	SAM	VAN	8.93	2210	4.	14		8.1	14			
27	2	1985	25	SAM	VAN	8.07	1998	4.	14		7.9	14			
27	2	1985	28	SAM	VAN	10.15	2092	4.8	14		8.8	14			
27	2	1985	34	SAM	VAN	8.09	2135	3.8	14		7.5	14			
27	2	1985	35	SAM	VAN	6.61	2041	3.2	14		7.6	14			
27	2	1985	37	SAM	VAN	7.69	2102	3.7	14		7.3	14			
27	2	1985	42	SAM	VAN	8.4	2174	3.9	14		7.8	14			
13	3	1985	4	SAM	VAN	9.65	1892	5.1	15		8.3	15			
13	3	1985	7	SAM	VAN	11.	1926	5.7	15		8.5	15			
13	3	1985	13	SAM	VAN	6.39	1996	3.2	15		6.9	15			
13	3	1985	14	SAM	VAN	7.46	1820	4.1	15		8.	15			
13	3	1985	16	SAM	VAN	10.78	2293	4.7	15		8.6	15			
13	3	1985	21	SAM	VAN	11.	1964	5.6	15		9.2	15			
13	3	1985	25	SAM	VAN	11.2	1776	6.3	15		9.3	15			
13	3	1985	28	SAM	VAN	13.8	1860	7.4	15		9.8	15			

Table 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND	ACTIVITY	SPECIES	POP. WEIGHT	POP. NUMBER	SAMPLE WEIGHT	SAMPLE WT.-#	SAMPLE WT.-SD	SAMPLE LENGTH	SAMPLE LT.-#	SAMPLE LT.-SD	REPROD. WEIGHT	REPROD. NUMBER
13	3	1985	34	SAM	VAN	11.2	1898	5.9	15		6.2	15			
13	3	1985	35	SAM	VAN	11.07	1814	6.1	15		9.4	15			
13	3	1985	37	SAM	VAN	12.7	1868	6.8	15		9.8	15			
13	3	1985	42	SAM	VAN	13.13	1932	6.8	15		8.	15			
27	3	1985	4	SAM	VAN	7.1	1656	4.3	15		7.7	15			
27	3	1985	7	SAM	VAN	9.1	1685	5.4	15		8.9	15			
27	3	1985	13	SAM	VAN	8.2	1747	4.7	15		8.6	15			
27	3	1985	14	SAM	VAN	5.58	1593	3.5	15		7.7	15			
27	3	1985	16	SAM	VAN	12.64	2006	6.3	15		9.	15			
27	3	1985	21	SAM	VAN	5.	1719	2.9	15		7.2	15			
27	3	1985	25	SAM	VAN	11.5	1554	7.4	15		9.6	15			
27	3	1985	28	SAM	VAN	12.05	1628	7.4	15		10.	15			
27	3	1985	34	SAM	VAN	8.14	1661	4.9	15		7.8	15			
27	3	1985	35	SAM	VAN	8.73	1587	5.5	15		9.1	15			
27	3	1985	37	SAM	VAN	10.3	1635	6.3	15		9.2	15			
27	3	1985	42	SAM	VAN	9.47	1691	5.6	15		9.2	15			
11	4	1985	4	SAM	VAN	10.6	1656	6.4	15		9.7	15			
11	4	1985	7	SAM	VAN	7.8	1685	4.6	15		8.5	15			
11	4	1985	13	SAM	VAN	9.1	1747	5.2	15		8.9	15			
11	4	1985	14	SAM	VAN	6.7	1593	4.2	15		8.4	15			
11	4	1985	16	SAM	VAN	8.6	2006	4.3	15		8.4	15			
11	4	1985	21	SAM	VAN	4.7	982	4.8	15		8.9	15			
11	4	1985	25	SAM	VAN	11.5	1554	7.4	15		10.1	15			
11	4	1985	28	SAM	VAN	12.7	1628	7.8	15		10.2	15			
11	4	1985	34	SAM	VAN	9.8	1661	5.9	15		9.4	15			
11	4	1985	35	SAM	VAN	9.4	1587	5.9	15		9.4	15			
11	4	1985	37	SAM	VAN	10.3	1635	6.3	15		9.7	15			
11	4	1985	42	SAM	VAN	9.5	1691	5.6	15		9.	15			
25	4	1985	4	SAM	VAN	10.9	1656	6.6	15		9.3	15			
25	4	1985	7	SAM	VAN	8.6	1084	7.9	15		9.8	15			
25	4	1985	13	SAM	VAN	7.8	1498	5.2	50		9.1	50			
25	4	1985	14	SAM	VAN	8.8	1593	5.5	15		8.8	15			
25	4	1985	16	SAM	VAN	12.	1720	7.	15		8.7	15			
25	4	1985	21	SAM	VAN	2.6	491	5.2	15		9.3	15			
25	4	1985	25	SAM	VAN	10.	1332	7.5	15		10.5	15			
25	4	1985	28	SAM	VAN	12.8	1395	9.2	15		10.3	15			
25	4	1985	34	SAM	VAN	8.5	1424	6.	15		9.4	15			
25	4	1985	35	SAM	VAN	8.3	1360	6.1	15		9.2	15			
25	4	1985	37	SAM	VAN	9.1	1401	6.5	15		9.7	15			
25	4	1985	42	SAM	VAN	10.5	1449	7.3	15		9.4	15			
30	4	1985	13	HAR	VAN	9.	1525	5.9	50		8.4	50			
30	4	1985	14	HAR	VAN	12.5	1671	7.5	50		9.4	50			
30	4	1985	34	HAR	VAN	13.1	2009	6.5	50		9.4	50			
30	4	1985	35	HAR	VAN	11.3	1694	6.7	50		9.5	50			
2	5	1985	4	HAR	VAN	13.2	1740	7.6	50		9.5	50			

Table 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND	ACTIVITY	SPECIES	POP. WEIGHT	POP. NUMBER	SAMPLE WEIGHT	SAMPLE WT.-#	SAMPLE WT.-SD	SAMPLE LENGTH	SAMPLE LT.-#	SAMPLE LT.-SD	REPROD. WEIGHT	REPROD. NUMBER
2	5	1985	7	HAR	VAN	5.	665	7.5	50		9.9	50			
2	5	1985	37	HAR	VAN	16.8	2074	8.1	50		9.8	50			
3	5	1985	16	HAR	VAN	15.	1973	7.6	50		9.8	50			
3	5	1985	21	HAR	VAN	3.4	533	6.4	50		9.3	50			
3	5	1985	25	HAR	VAN	16.5	2193	7.5	50		10.1	50			
3	5	1985	28	HAR	VAN	8.9	1055	8.4	50		9.8	50			
3	5	1985	42	HAR	VAN	15.9	1840	8.6	50		10.	50			

Table 7. Plankton and Benthos. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	NET PRODUCTN	GROSS PRODUCTN	BLUE-GREEN	GREEN	DIATOM	OTHER PHYTO.	ROTIFE	CLADOC	COPEPO	OTHER ZOOPL.	MOLLUS	INSECT	DECAPO	OTHER BENTHO
28	2	85	4	0.15	0.2625												
28	2	85	7	1.275	1.875												
28	2	85	13	1.275	1.6875												
28	2	85	14	1.6125	1.8												
28	2	85	16	2.8125	2.4375												
28	2	85	21	0.9375	1.5375												
28	2	85	25	0.9375	1.425												
28	2	85	28	0.075	0.3375												
28	2	85	34	1.5375	2.25												
28	2	85	35	0.75	1.0875												
28	2	85	37	1.35	1.8												
28	2	85	42	0.6375	0.6375												
2	3	85	4	-0.3	1.575												
2	3	85	7	1.8375	2.6625												
2	3	85	13	1.3875	2.3625												
2	3	85	14	1.3125	2.1375												
2	3	85	16	0.75	0.675												
2	3	85	21	-0.225	0.375												
2	3	85	25	1.6125	3.4875												
2	3	85	28	2.5125	4.2												
2	3	85	34	2.25	3.825												
2	3	85	35	1.575	3.1125												
2	3	85	37	2.4375	4.125												
2	3	85	42	1.8375	3.3												
29	4	85	4	-0.87	2.6												
29	4	85	7	0.09	-4.39												
29	4	85	13	1.12	4.48												
29	4	85	14	1.86	7.44												
29	4	85	16	1.77	4.57												
29	4	85	21	1.7	5.87												
29	4	85	25														
29	4	85	28	5.25	8.09												
29	4	85	34	1.69	8.18												
29	4	85	35	1.33	4.18												
29	4	85	37	1.55	6.76												
29	4	85	42	3.83	8.03												

Table 8. Water Quality Characteristics. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	ALKALIN	HARDNESS	PH	NH3-N	NO2-N	NO3-N	NO2&3-N	TOTAL-P	ORTHO-P	CL-	SALT	SO4	BORON	CALCIUM	COPPER	IRON	MAGNESIU	POTASSIU	SODIUM	ZINC
11	12	1984	1								0.13		6600.			0.23	125.	0.02	3.3	387.	116.	3300.	0.02
11	12	1984	5								0.18		9600.			0.25	197.	0.03	0.5	520.	193.	5400.	0.04
11	12	1984	8								0.13		8700.			0.33	208.	0.06	4.81	529.	187.	5700.	0.05
11	12	1984	10								0.15		9400.			0.34	177.	0.03	1.11	508.	160.	4800.	0.03
11	12	1984	11								0.18		7600.			0.19	150.	0.03	0.93	443.	140.	4000.	0.02
11	12	1984	15								0.11		8200.			0.31	150.	0.05	5.29	464.	144.	4100.	0.03
11	12	1984	17								0.08		7700.			0.31	142.	0.02	0.65	423.	137.	3800.	0.02
11	12	1984	18								0.05		7100.			0.25	130.	0.03	0.75	387.	115.	3600.	0.03
11	12	1984	25								0.23		10100.			0.7	200.	0.04	0.77	529.	204.	5500.	0.03
11	12	1984	26								0.12		6900.			0.09	134.	0.02	0.47	399.	125.	3600.	0.03
11	12	1984	27								0.06		7700.			0.33	141.	0.03	0.53	423.	135.	3700.	0.01
11	12	1984	28								0.18		9300.			0.29	162.	0.04	0.76	480.	159.	4400.	0.04
11	12	1984	29								0.13		6100.			0.29	124.	0.02	1.45	387.	112.	3300.	0.03
11	12	1984	30								0.15		7000.			0.27	127.	0.02	0.58	381.	114.	3400.	0.04
11	12	1984	31								0.19		11000.				219.	0.03	0.15	546.	222.	6100.	0.02
11	12	1984	32								0.17		7100.			0.27	141.	0.02	0.86	423.	135.	3900.	0.04
11	12	1984	33								0.08		6600.			0.17	142.	0.02	0.69	412.	127.	3800.	0.02
11	12	1984	34								0.19		9200.			0.13	195.	0.03	0.8	519.	185.	5400.	0.03
11	12	1984	35								0.27		10600.			0.29	189.	0.03	0.68	519.	190.	5300.	0.05
11	12	1984	36								0.3		10000.			0.38	192.	0.04	0.56	516.	188.	5200.	0.02
11	12	1984	37								0.16		10500.			0.03	201.	0.04	0.62	529.	201.	5500.	0.02
11	12	1984	38								0.29		9900.				202.	0.02	0.47	527.	203.	5500.	0.05
11	12	1984	41								0.16		6300.			0.23	118.	0.03	1.94	358.	104.	3000.	0.04
11	12	1984	42								0.17		10100.				201.	0.03	0.13	529.	199.	5500.	0.02
11	12	1984	50								0.04		29500.			0.22	211.	0.05	1.05	540.	212.	5800.	0.03
11	12	1984	60										11900.				242.	0.05	0.88	565.	229.	6800.	0.04
11	12	1984	70								0.05		9700.			0.18	211.	0.04	2.52	538.	208.	6100.	0.04

Table 8. Water Quality Characteristics. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	ALKALIN	HARDNESS	PH	NH3-N	NO2-N	NO3-N	NO2&3-N	TOTAL-P	ORTHO-P	CL-	SALT	SO4	BORON	CALCIUM	COPPER	IRON	MAGNESIU	POTASSIU	SODIUM	ZINC
30	1	1985	4								0.16					0.12	534.	0.06	0.32	630.	573.	15800.	0.07
30	1	1985	7													0.	531.	0.07	0.3	627.	575.	15600.	0.06
30	1	1985	13								0.1					0.	468.	0.06	0.48	616.	503.	14000.	0.07
30	1	1985	14								0.16					0.	403.	0.05	0.22	602.	431.	12000.	0.06
30	1	1985	16								0.1					0.06	489.	0.06	0.26	621.	518.	14300.	0.07
30	1	1985	21								0.1					0.04	521.	0.06	0.54	623.	532.	14900.	0.07
30	1	1985	25								0.23					0.06	504.	0.07	0.34	626.	540.	15100.	0.06
30	1	1985	28								0.15					0.15	492.	0.06	0.35	622.	532.	14600.	0.07
30	1	1985	34								0.21					0.	455.	0.06	0.29	611.	472.	13300.	0.06
30	1	1985	35								0.26					0.12	474.	0.05	0.24	615.	496.	13600.	0.07
30	1	1985	37								0.16					0.04	476.	0.06	0.61	618.	514.	14200.	0.07
30	1	1985	42								0.11					0.12	432.	0.06	0.47	606.	463.	13000.	0.06
30	1	1985	60								0.08					0.	483.	0.06	0.29	623.	543.	14700.	0.07
30	4	1985	1								0.28					0.23	853.	0.09	0.59	676.	844.	23500.	0.1
30	4	1985	2								0.2					0.	706.	0.11	0.73	689.	741.	18000.	0.07
30	4	1985	4								0.19					0.81	784.	0.12	0.61	666.	821.	21900.	0.09
30	4	1985	5								0.35					0.36	780.	0.1	0.49	663.	799.	21300.	0.08
30	4	1985	6								0.24					0.13	802.	0.11	0.91	673.	800.	22000.	0.07
30	4	1985	7								0.21					0.07	873.	0.14	0.96	709.	895.	21800.	0.08
30	4	1985	8								0.25					1.53	786.	0.11	0.87	665.	786.	21000.	0.05
30	4	1985	9								0.12					0.56	920.	0.13	0.76	682.	930.	24700.	0.11
30	4	1985	10								0.28					0.12	725.	0.09	0.71	655.	736.	19900.	0.09
30	4	1985	11								0.44					0.27	829.	0.1	0.64	672.	856.	22500.	0.11
30	4	1985	12								0.4					0.	855.	0.13	0.93	705.	861.	21400.	0.09
30	4	1985	13								0.3					0.45	769.	0.09	0.76	664.	775.	20700.	0.1
30	4	1985	14								0.33					0.29	878.	0.11	0.75	677.	859.	23300.	0.06
30	4	1985	15								0.27					0.33	685.	0.1	0.67	688.	720.	18000.	0.07
30	4	1985	16								0.41					0.07	823.	0.11	0.51	669.	851.	22900.	0.08
30	4	1985	17								0.41					0.31	853.	0.1	0.72	675.	852.	22300.	0.05
30	4	1985	18								0.36					0.27	803.	0.11	0.71	702.	832.	20200.	0.08
30	4	1985	19								0.22					0.	866.	0.15	1.04	704.	862.	21300.	0.08
30	4	1985	20								0.25					1.38	818.	0.12	0.82	704.	840.	20300.	0.07
30	4	1985	21								0.23					0.07	856.	0.14	0.93	703.	837.	20900.	0.08
30	4	1985	24								0.26					0.23	972.	0.13	1.01	685.	953.	25300.	0.07
30	4	1985	25								0.4					1.38	768.	0.12	1.04	663.	796.	20800.	0.06
30	4	1985	26								0.26					0.36	841.	0.1	0.73	676.	834.	21900.	0.05
30	4	1985	27								0.26					0.78	796.	0.1	0.67	671.	787.	20600.	0.06
30	4	1985	28								0.47					1.7	837.	0.11	0.83	671.	832.	22400.	0.06
30	4	1985	29								0.31					0.58	805.	0.1	0.49	665.	816.	21800.	0.08
30	4	1985	30								0.29					1.14	815.	0.1	0.71	673.	819.	20700.	0.08
30	4	1985	31								0.42					0.13	632.	0.11	0.68	677.	667.	16400.	0.07
30	4	1985	50								0.34					0.78	797.	0.09	0.64	664.	796.	21100.	0.12
30	4	1985	60								0.06					0.03	361.	0.06	0.6	618.	396.	10000.	0.05

Table 9. Pond Soil Characteristics. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	POND#	CLAY	SILT	SAND	ORGAN. MATTER	WET-PH	SOIL-P	SOIL CA	SOIL MG	SOIL K	SOIL NA	SOIL N	SOIL NH4	SOIL NO3	SOIL CEC	SOIL SALT	SOIL AL	SOIL FE	SOIL ZN	SOIL MN	SOIL CU	SOIL SO4	LIME REQ	SOIL CACO3	EXCH H	EXCH NA
20	12	1984	2	46.	22.	32.	1.47	7.5	40.9	3.76	12.81	1034.4							0.	355.2	3.1	22.98	5.3					
20	12	1984	4	46.	20.	34.	1.47	7.7	43.3	5.37	13.18	1121.1							0.	408.3	4.6	37.74	5.7					
20	12	1984	5	48.	18.	34.	0.8	7.5	52.5	2.67	14.48	926.4							0.	157.5	2.1	87.3	2.6					
20	12	1984	6	42.	20.	38.	1.61	7.9	38.6	4.23	13.55	1095.9							0.	334.8	3.5	29.73	4.7					
20	12	1984	7	40.	18.	42.	1.21	8.	24.9	5.63	12.04	1172.4							0.	529.2	4.4	34.47	6.2					
20	12	1984	8	46.	20.	34.	1.74	7.8	42.1	4.73	13.89	1033.8							0.	262.2	5.3	125.7	4.1					
20	12	1984	9	46.	20.	34.	1.07	7.7	47.	4.52	15.68	1096.2							0.	310.5	4.9	24.96	5.3					
20	12	1984	10	42.	16.	42.	1.21	7.9	39.8	4.66	13.61	1059.6							0.	339.3	3.	22.44	4.4					
20	12	1984	12	32.	16.	52.	0.94	7.6	44.5	4.81	12.07	898.2							0.	221.1	3.	147.9	2.8					
20	12	1984	13	42.	16.	42.	1.07	7.9	44.5	3.5	12.44	948.2							0.	276.	2.4	18.27	3.6					
20	12	1984	14	40.	16.	44.	1.74	7.8	37.5	4.73	11.58	988.8							0.	356.1	3.	20.7	3.7					
20	12	1984	16	42.	16.	42.	1.21	8.	34.4	5.46	13.03	1095.6							0.	392.1	3.3	22.17	4.5					
20	12	1984	19	36.	18.	46.	1.47	7.8	36.5	4.51	10.5	915.9							0.	44.25	2.8	20.52	4.4					
20	12	1984	20	26.	16.	58.	1.74	7.6	47.	4.28	10.23	846.9							0.	374.7	3.4	15.3	4.2					
20	12	1984	21	48.	18.	34.	1.88	8.1	13.9	6.81	13.89	1242.6							0.	658.2	4.3	31.26	6.4					
20	12	1984	24	46.	20.	34.	1.47	7.9	45.8	4.88	13.55	1190.4							0.	403.2	5.3	21.3	6.1					
20	12	1984	25	54.	18.	28.	0.27	8.	51.1	4.47	12.78	1029.6							0.	222.7	3.3	14.94	4.4					
20	12	1984	28	42.	18.	40.	1.88	7.9	37.5	4.49	10.9	1051.2							0.	222.	3.	16.68	3.4					
20	12	1984	31	32.	18.	50.	1.07	7.7	53.9	4.67	13.31	1012.8							0.	411.9	4.	17.16	4.4					
20	12	1984	39	46.	20.	34.	1.74	8.1	32.3	5.2	11.64	1229.1							0.	415.5	3.1	29.4	6.6					
20	12	1984	40	42.	20.	38.	1.21	8.1	38.6	7.11	1.98	1175.1							0.	444.3	4.7	36.12	6.4					
3	5	1985	4	58.	18.	24.	0.9	7.3	35.4	3.	12.5	335.7							0.	256.1	3.2	146.6	3.7					
3	5	1985	7	28.	14.	58.	1.3	7.8	29.2	4.1	9.1	334.9							0.	306.8	3.3	184.5	2.9					
3	5	1985	12	48.	18.	34.	1.7	7.9	39.8	5.7	12.3	336.1							0.	385.1	4.8	258.8	5.3					
3	5	1985	13	50.	18.	32.	1.7	7.5	41.	3.6	11.7	331.1							0.	260.1	3.1	164.5	3.1					
3	5	1985	14	52.	16.	32.	3.5	7.4	37.5	2.4	11.5	329.9							0.	188.5	2.6	87.5	2.4					
3	5	1985	16	36.	14.	50.	1.5	7.4	35.4	3.8	11.8	326.8							0.	289.9	2.8	141.1	3.2					
3	5	1985	20	54.	14.	32.	1.3	7.9	48.4	2.2	10.5	329.7							0.	240.5	6.	115.6	3.3					
3	5	1985	25	66.	20.	14.	1.3	7.7	65.3	4.4	12.4	334.5							0.	275.7	5.9	166.5	4.7					
3	5	1985	28	56.	16.	28.	1.3	7.6	42.1	2.7	11.2	333.1							0.	286.5	8.4	147.7	4.3					
3	5	1985	34	58.	20.	22.	0.9	7.8	51.1	2.9	10.	332.1							0.	262.8	9.2	147.9	4.1					
3	5	1985	35	40.	16.	44.	1.1	7.6	81.9	3.8	11.1	331.6							0.	322.9	6.3	185.9	4.1					
3	5	1985	37	44.	16.	40.	1.1	7.7	51.1	5.1	12.3	329.9							0.	333.8	5.4	232.	4.8					
3	5	1985	39	42.	14.	44.	1.1	7.9	42.1	5.1	11.2	328.9							0.	314.2	3.1	197.2	4.8					
3	5	1985	40	46.	14.	40.	1.6	7.6	77.3	6.8	12.3	332.6							0.	311.5	5.8	164.1	5.					

Table 10. Analysis of Nutrients and Lime. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	NUTRIENT TYPE	DRY MATTER %	NUTRIENT N	NUTRIENT P	NUTRIENT K	NUTRIENT ORG-C	NUTRIENT S	LIME NEUT %
5	7	1984	CHICK	89.2	2.1	1.3				

Table 10. Analysis of Nutrients and Lime. Aguadulce, Panama, Cycle II, Dry Season

DAY	MONTH	YEAR	NUTRIENT TYPE	DRY MATTER %	NUTRIENT N	NUTRIENT P	NUTRIENT K	NUTRIENT ORG-C	NUTRIENT S	LIME NEUT %
16	1	1985	CHICK	88.6	2.4	1.4				
16	1	1985	UREA	95.	48.					
16	1	1985	TSP	95.	46.					

Table 11. Nutrient and Lime Inputs. Aguadulce, Panama, Cycle II, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY	INORGAN. TYPE	INORGAN. QUANTITY	LIME TYPE	LIME QUANTITY
5	7	1984	4			CHICK	2000.				
5	7	1984	7			CHICK	2000.				
5	7	1984	13			CHICK	2000.				
5	7	1984	14			CHICK	2000.				
5	7	1984	16			CHICK	2000.				
5	7	1984	21			CHICK	2000.				
5	7	1984	25			CHICK	2000.				
5	7	1984	28			CHICK	2000.				
5	7	1984	34			CHICK	2000.				
5	7	1984	35			CHICK	2000.				
5	7	1984	37			CHICK	2000.				
5	7	1984	42			CHICK	2000.				
7	8	1984	4					UREA	16.		
7	8	1984	4					TSP	20.		
7	8	1984	7					UREA	16.		
7	8	1984	7					TSP	20.		
7	8	1984	13					UREA	16.		
7	8	1984	13					TSP	20.		
7	8	1984	14					UREA	16.		
7	8	1984	14					TSP	20.		
7	8	1984	16					UREA	16.		
7	8	1984	16					TSP	20.		
7	8	1984	21					UREA	16.		
7	8	1984	21					TSP	20.		
7	8	1984	25					UREA	16.		
7	8	1984	25					TSP	20.		
7	8	1984	28					UREA	16.		
7	8	1984	28					TSP	20.		
7	8	1984	34					UREA	16.		
7	8	1984	34					TSP	20.		
7	8	1984	35					UREA	16.		
7	8	1984	35					TSP	20.		
7	8	1984	37					UREA	16.		
7	8	1984	37					TSP	20.		
7	8	1984	42					UREA	16.		
7	8	1984	42					TSP	20.		