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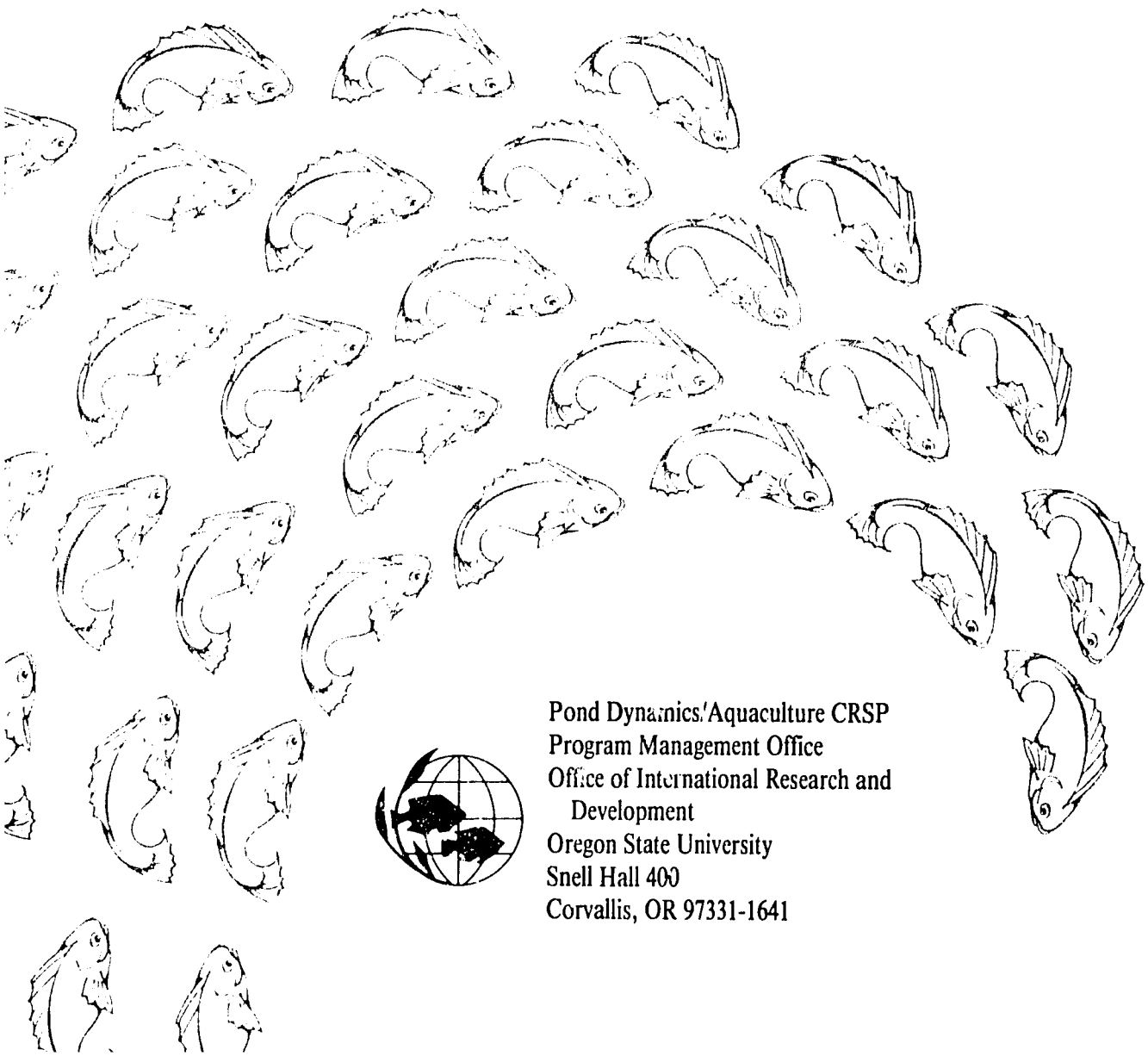
Pond Dynamics/Aquaculture Collaborative Research Data Reports

Volume Five, Number Two
Rwanda Project

Cycle III of the CRSP Global Experiment



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POND DYNAMICS/AQUACULTURE COLLABORATIVE RESEARCH DATA REPORTS

Volume Five, Number Two.
Rwanda: Cycle III of The Global Experiment

May 1, 1991

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In collaboration with Oregon State University and the
National University of Rwanda, Butare, Rwanda

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ACKNOWLEDGEMENT

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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 III of the Global Experiment in Butare, Rwanda is presented in this volume.

INTRODUCTION

This report summarizes experiments conducted in Rwanda during Cycle III of the Global Experiment of the Pond Dynamics/Aquaculture (PD/A) CRSP. Initial experiments in Rwanda (Cycle I) described the relatively low level of natural productive capacity of ponds in this cool, moist, highland environment and demonstrated the significant base variability existing between ponds (Hanson et al. 1989).

Tilapia culture is practiced in Rwanda at elevations from about 1300 m to over 2300 m, with highly variable results depending on management procedures and the availability of fertilizer materials. Tilapia production in rural ponds ranges from less than 500 kg/ha/yr to over 3000 kg/ha/yr (Hanson et al. 1988, Hishamunda and Moehl, Jr. 1989). The Cycle III experiments were designed to expand the data base established during earlier studies and to examine the relationship between organic fertilizer input rates and tilapia production during wet and dry season culture periods.

The global concern of CRSP research continues to be the elucidation of basic principles of pond dynamics as a basis for the development of rational pond management strategies which are suited to the specific requirements of different pond environments. The Rwandan studies contribute data representing the cooler conditions of highland tropical environments in sub-Saharan Africa.

MATERIALS AND METHODS

Two five-month experiments were conducted at the Rwasave Fish Culture Station near Butare, Rwanda. The station is located in the central plateau of Rwanda at an elevation of about 1700 m. The facilities were designed and constructed with the involvement of CRSP personnel and maintained under the administrative control of the Faculty of Agronomy of the National University of Rwanda.

Nine of the 21 CRSP ponds, each 40 m x 15 m x 0.90 m and having a surface area of 7 ares (1 are = 0.1 ha), were used in each experiment. There were three ponds for each of three treatments. Chicken manure was broadcast over the ponds at rates of 125, 250, and 500 kg/ha/wk on a weekly basis. The manure was analyzed for dry weight, organic matter, and nutrient content.

The wet (W1) and dry season (D2) experiments were conducted consecutively in the same nine ponds, with W1, the earliest of the two, being only the second experiment conducted after construction of the ponds.

Ponds were stocked at 0.833 fish/m^2 for W1 and at 1.0 fish/m^2 for D2 using *Oreochromis niloticus* juveniles that had been hand-selected twice to remove females. Mean initial fish weights were 39.9 g and 44.6 g for wet and dry season experiments, respectively.

Extensive limnological and meteorological measurements were taken as prescribed for the standardized Global Experiment (Egna et al. 1987), and as listed in the appendix of this document. Measurements of plankton density were taken from horizontal and vertical plankton net tows twice monthly. Fish stomach contents

were examined from three fish per pond each month. Primary productivity was estimated by light-dark bottle techniques.

Data were analyzed by simple regression and multifactor ANOVA using the Statgraphics Statistical Graphics Program (version 4.0, Statgraphics, 1986), and by Duncan's multiple range test (Ott 1977) with alpha = 0.05.

RESULTS

The wet season experiment (W1) was conducted from 18 December through 15 May 1986. The dry season experiment (D2) began 9 July and ended on 4 December 1986. This five-month experiment extended somewhat beyond the dry season (June-Sept) into the "small wet season" (Figure 1). Mean rainfall was 0.58 cm/d during W1 but only 0.145 cm/d during D2. However, mean solar radiation was 30.89 E/m^2/d for both seasons, apparently because of the hazy dry season conditions common at the research site.

Temperature

Ponds at the Rwasave Station tended to stratify during the day and mix by early morning (Figure 2) with mixing occurring an average of four hours and up to eight hours earlier during the wet season than during the dry season. This earlier and longer period of mixing is exaggerated in the comparison of the first diel sampling for the two seasons (Figure 3). Bottom temperatures tended to rise during the day in the wet season but stayed more constant and cooler in the dry season (Figure 2). Although these temperature dynamics differed by season, mean pond temperatures estimated from the diel samples taken twice monthly at top, midwater, and bottom were almost identical for the wet (21.06 SE=0.19) and dry season (21.08 SE=0.10) experiments (W1 and D2). However, the lowest and highest means occurred during the wet season, with lows apparently correlated with extended storm events (Figure 4).

Water quality parameters

Water quality parameters listed in Table 1 typically were significantly different among input rates of 125, 250, and 500 kg/ha/week of chicken litter. Means of temperature, secchi disk visibility, dissolved oxygen, and NH_4-N were not significantly different between treatments.

Dissolved oxygen was lower during D2 than W1. This difference is demonstrated for the high (500 kg/ha/wk) input rate and pond bottom DO measurements in Figure 5. Hardness and alkalinity were higher during the wet season but chlorophyll *a*, and N and P concentrations in the pond water were higher for the dry season (Table 1). Manures added during the wet season experiment were higher in N, P, and organic carbon than those added during the dry season. For example, manure added during W1 was 1.1% nitrogen (dry weight) whereas that added during D2 was only 0.3% nitrogen.

Tilapia production

Fish grew slowly during the wet season, doubling their size over five months at the 500 kg/ha/wk fertilizer input rate (Table 2). At the low input rate significant growth

ended after about the first two months of the experiment (Figure 6). For both W1 and D2, mean fish size was significantly different between high and low input rates but not between either of these and the intermediate (250 kg/ha/wk) input rate (Table 2).

Fish grew twice as fast during D2 than W1, with a resulting extrapolated net production for the high input of 968 kg/ha/yr for W1 and 2590 kg/ha/yr for D2 (Table 3). Even when fish production for each season was compared in relation to total nitrogen (or carbon or phosphorus) input, more fish were produced per unit of input in D2 than in W1 (Figure 7). Only a small portion of the greater production of D2 was due to the additional 100 fingerlings stocked in D2; most was due to the approximate doubling of the growth rate over that of W1.

Plankton

Plankton were sampled only during D2. The Cyanophyceae (blue-green algae) were most abundant comprising 45% of total phytoplankton abundance (Figure 8). Bacillariophyceae (diatoms) and Chlorophyceae (green algae) were also important, usually comprising about 10-20% of the sample. Analysis of tilapia stomach contents indicated that diatoms, green algae, and euglenoids were preferentially selected, because of their greater relative abundance in the stomach than in the water. Blue-green algae, however, by virtue of their greater density in pond water, still accounted for 32% of stomach contents (Harwanimbaga,1987).

The composition of phytoplankton by genera was not found to be different for ponds receiving different inputs.

Rotifers were the most abundant group of the zooplankton (Figure 9). Zooplankton abundance peaked about three months after the start of D2, whereas phytoplankton abundance appeared to increase throughout the sample period.

DISCUSSION

Tilapia production was highly correlated with chlorophyll *a* concentrations when data for both seasons were combined (Figure 10). Algae were shown to be the major component of fish stomach contents, corroborating the energetic basis of this relationship.

Tilapia production increased with increasing input rates. However, bottom dissolved oxygen concentrations at the 500 kg/ha/wk input rate for D2 were approaching levels where reduced consumption, conversion efficiency and survival may begin. This indicates that further increases in organic fertilization may not be beneficial in this cool environment.

Higher levels of chlorophyll and fish production occurred in D2 than in W1. The reasons for this are not simple. Mean temperature and light levels were nearly identical for both seasons. Pond temperature stratification differed by season; however, D2 had cooler, more stable bottom temperatures and higher daily top temperatures. In addition, mixing occurred about four hours later in the morning during D2 than W1. These dry season conditions may have provided more time at acceptable temperatures for tilapia activity and other aspects of pond dynamics.

In earlier experiments at the Rwasave Station, Hanson et al. (1989) concluded that differences in productive capacities in individual ponds can be persistent, carrying over to subsequent experiments. This effect may be exaggerated for newer ponds with more exposed, reactive soils. Additionally, ponds in the dry season experiment may have received nutrients carried over from the wet season experiments. To support this hypothesis, some relationship should exist between soil characteristics and pond performance. For these two experiments, tilapia production was roughly related to soil nitrogen concentration with R^2 = 44.6%. Primary productivity was more closely related to soil nitrogen with R^2 = 56.3% (Figure 11).

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Table 1. Means of water quality parameters for the wet and dry season experiments of CRSP Cycle III research at Rwasave, Rwanda.

Variable[1]	Input rate (kg dry wt/ha/week) 125	250	500
		Wet season	
Total hardness	85.24 ^{A2}	82.56 ^{A}	74.54 ^{B}
Total alkalinity	57.22 ^{A}	53.92 ^{AB}	51.22 ^{B}
pH	7.51 ^{A}	7.53 ^{A}	7.67 ^{B}
Chlorophyll *a* (mg/m^3)	20.56 ^{A}	29.67 ^{B}	44.54 ^{C}
Total phosphorus	0.13 ^{A}	0.18 ^{B}	0.30 ^{C}
Soluble ortho-PO_4	0.008^{A}	0.013^{B}	0.026^{C}
NO_3-N	0.05 ^{A}	0.06 ^{B}	0.08 ^{C}
Kjeldahl-N	1.21 ^{A}	1.76 ^{AB}	2.30 ^{B}
		Dry season	
Total hardness	67.52 ^{A}	66.29 ^{A}	69.86 ^{A}
Total alkalinity	33.98 ^{AB}	32.32 ^{A}	34.83 ^{B}
pH	7.30 ^{A}	7.18 ^{A}	7.75 ^{B}
Chlorophyll *a* (mg/m^3)	51.62 ^{A}	72.24 ^{B}	127.89 ^{C}
Total phosphorus	0.19 ^{A}	0.29 ^{B}	0.51 ^{C}
Soluble ortho-PO_4	0.03 ^{A}	0.05 ^{A}	0.12 ^{B}
NO_3-N	0.17 ^{A}	0.18 ^{AB}	0.20 ^{B}
Kjeldahl-N	2.22 ^{A}	3.02 ^{B}	3.48 ^{B}

[1]All expressed as mg/L except pH and chlorophyll *a*.
[2]A,B,C: Duncan grouping of treatments. Means with the same letter are not significantly different (compare across input treatments only)($P>0.05$).

Table 2. Mean fish weight through time during the wet and dry season experiments of CRSP Cycle III research at Rwasave, Rwanda.

Input rate (kg/ha/wk)	Month	Mean weight: Wet season (g ± SE)		Mean weight: Dry season (g ± SE)	
125	0	37.33 ± 0.67	A*	43.33 ± 0.88	D
	1	48.33 ± 2.85		56.00 ± 6.11	
	2	53.00 ± 3.21		69.67 ± 8.29	
	3	54.33 ± 2.60		86.67 ± 4.98	
	4	56.67 ± 4.91		95.67 ± 7.62	
	5	57.00 ± 5.29		99.33 ± 6.89	
	Harvest	53.67 ± 4.33	B	95.34	E
250	0	39.67 ± 0.67	A	44.33 ± 2.03	AD
	1	52.33 ± 2.03		59.00 ± 1.00	
	2	62.67 ± 0.88		79.00 ± 5.69	
	3	57.33 ± 6.49		104.00 ± 3.61	
	4	68.00 ± 1.00		132.00 ± 2.65	
	5	73.33 ± 3.28		132.33 ± 4.91	
	Harvest	70.00 ± 3.46	BC	127.61	EF
500	0	42.67 ± 2.33	A	46.00 ± 1.15	AD
	1	57.00 ± 2.00		64.33 ± 8.37	
	2	40.67 ± 3.00		94.00 ±13.08	
	3	64.00 ± 4.63		126.67 ± 8.01	
	4	75.67 ± 4.84		163.33 ± 4.26	
	5	93.00 ± 7.81		173.33 ±13.04	
	Harvest	87.67 ± 6.69	C	161.43	F

*A,B,C,D,E,F: Duncan grouping of treatments. Means with the same letter are not significantly different.

Table 3. Summary of tilapia stocking and harvest data for the wet and dry season CRSP Cycle III experiments at Rwasave, Rwanda.

Input level (kg/ha/wk)	Variable	Wet season Mean	Wet season SD	Dry season Mean	Dry season SD
125	Initial stocking rate	500		600	
	Initial mean weight (g)	37	14	43	14
	Final mean weight (g)	54	9	95	19
	Reproduction number*	333 (2.7)		104 (3.5)	
	Survival (%)	93		87.4	
	Net production (kg/ha/yr)	377.30		1,243.72	
250	Initial mean weight (g)	40	17	44	13
	Final mean weight (g)	70	9	127	21
	Reproduction number*	479 (2.2)		365 (3.9)	
	Survival (%)	93		90	
	Net production (kg/ha/yr)	668.6		1917.2	
500	Initial mean weight (g)	43	13	46	14
	Final mean weight (g)	88	11	161.5	25
	Reproduction number*	655 (2.3)		13 (8.2)	
	Survival (%)	94.6		88.4	
	Net production (kg/ha/yr)	967.7		2590.0	

*Number in parentheses is the average weight (g).

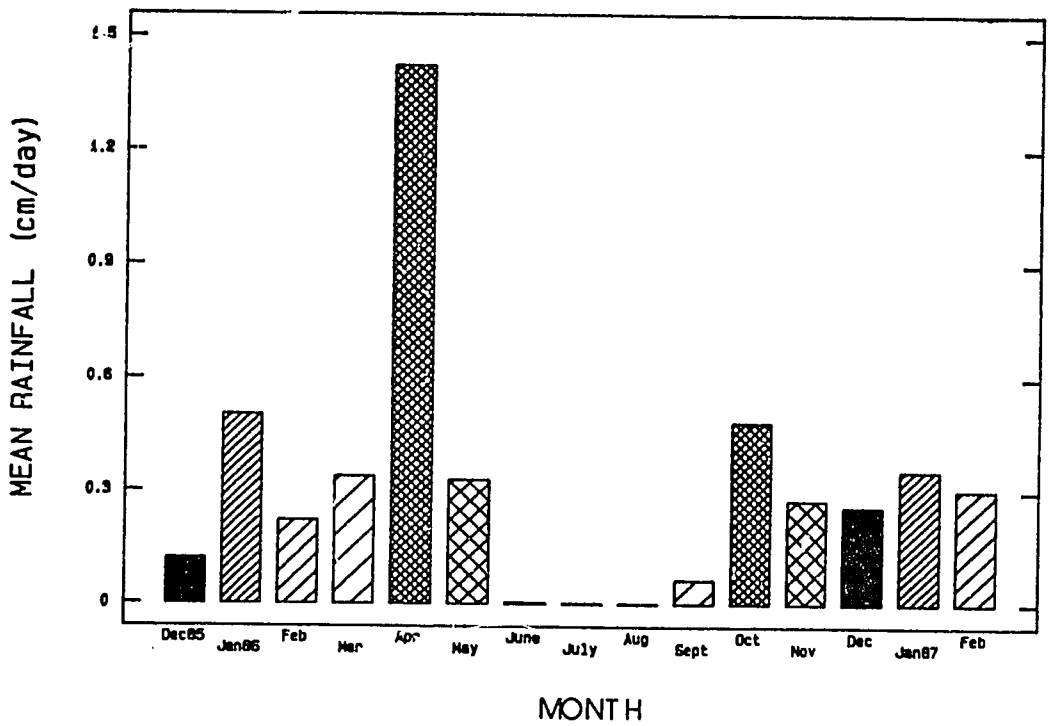

Figure 1. Mean rainfall (cm/d) at the Rwasave Fish Culture Station, Butare, Rwanda.

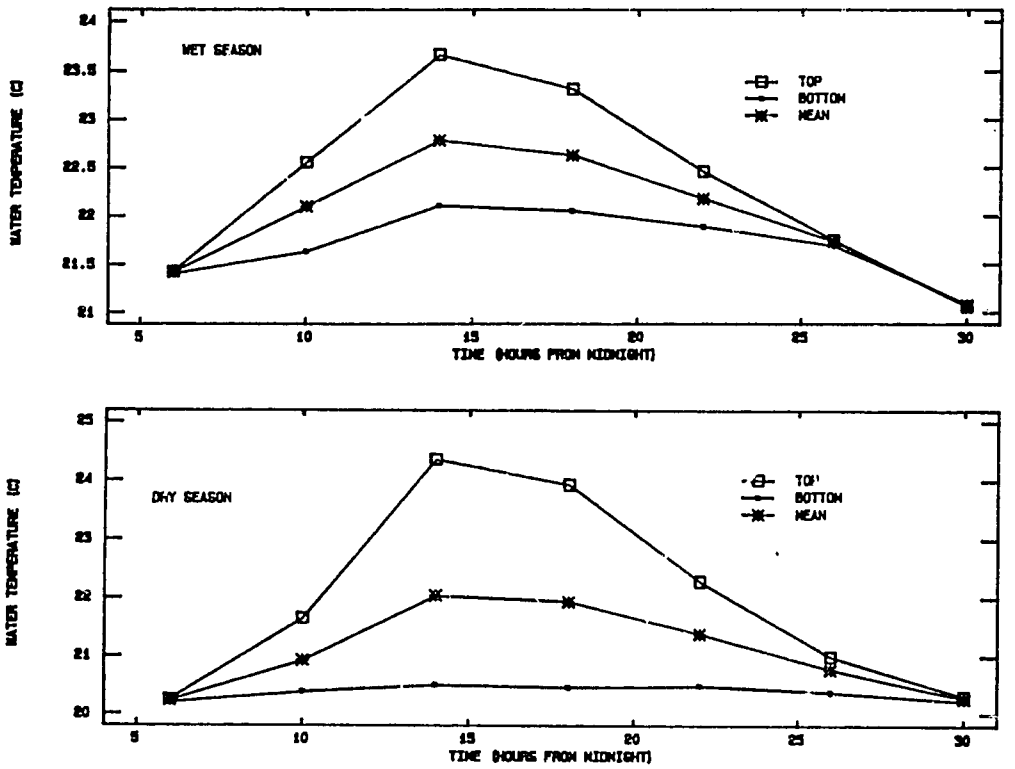

Figure 2. Top, bottom, and mean pond temperatures from diel samples for experiments W1 and D2.

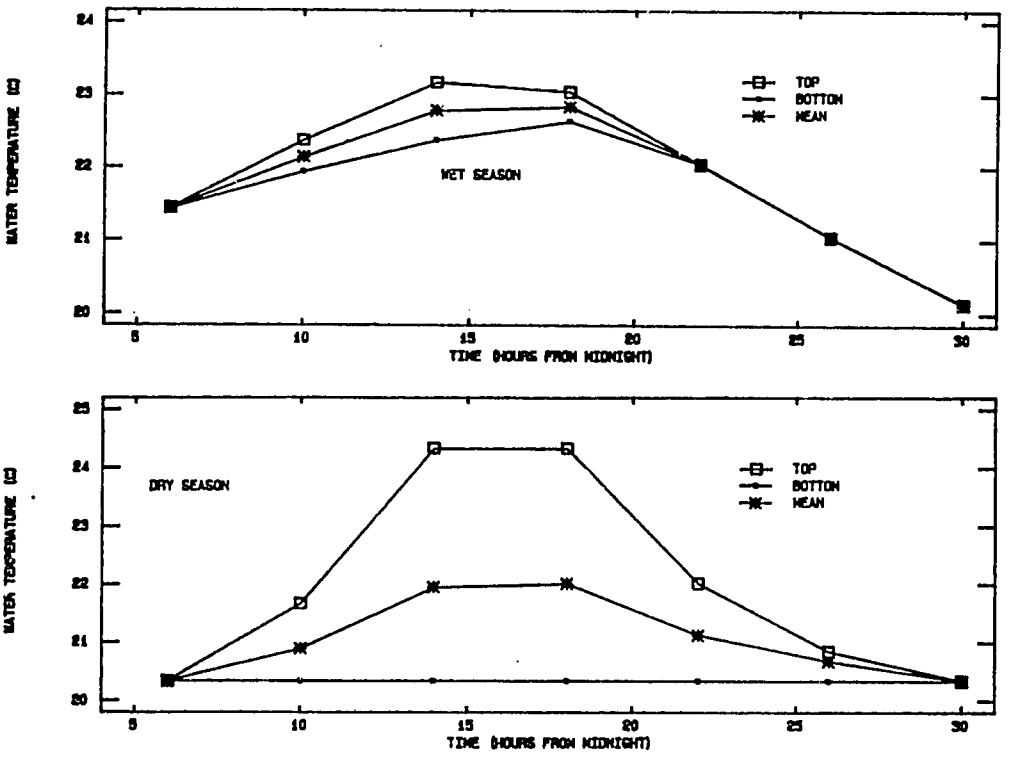

Figure 3. Top, bottom, and mean pond temperatures for the first 24-hour diel samples for both W1 and D2.

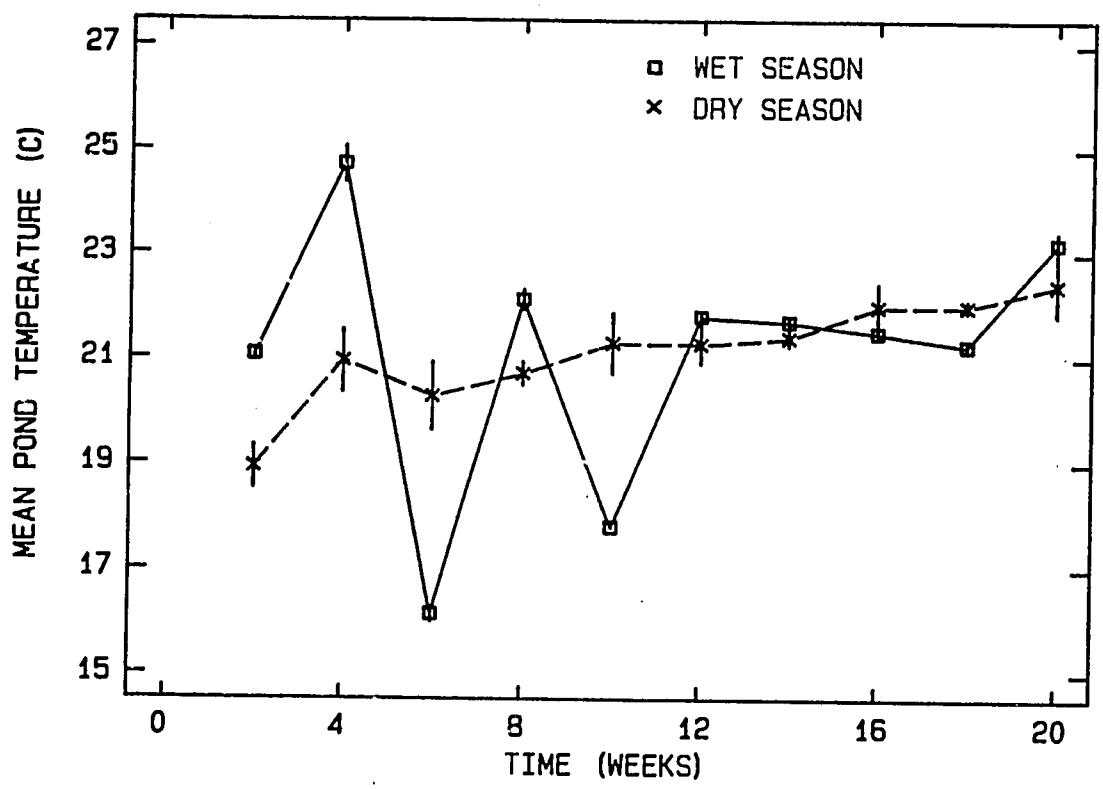

Figure 4. Mean temperatures for a selected treatment (250 kg/ha/wk input rate) for wet and dry seasons.

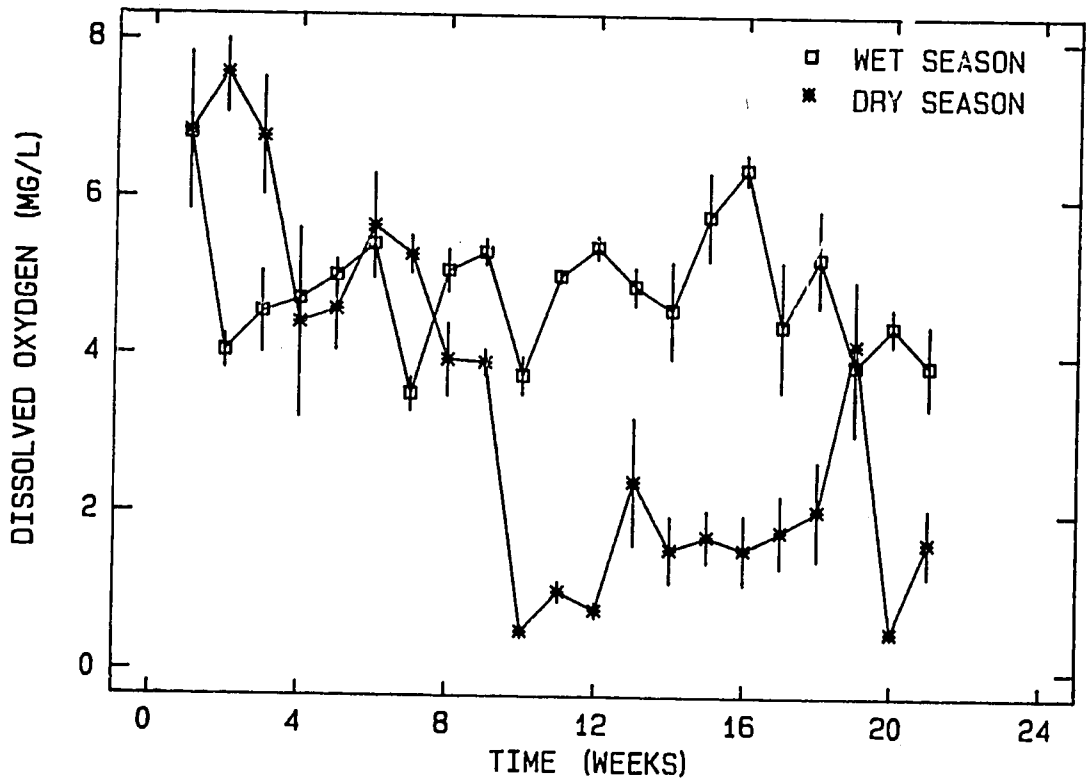

Figure 5. Dissolved oxygen concentrations (mg/L) for the bottom of ponds receiving the high input rate (500 kg/ha/wk).

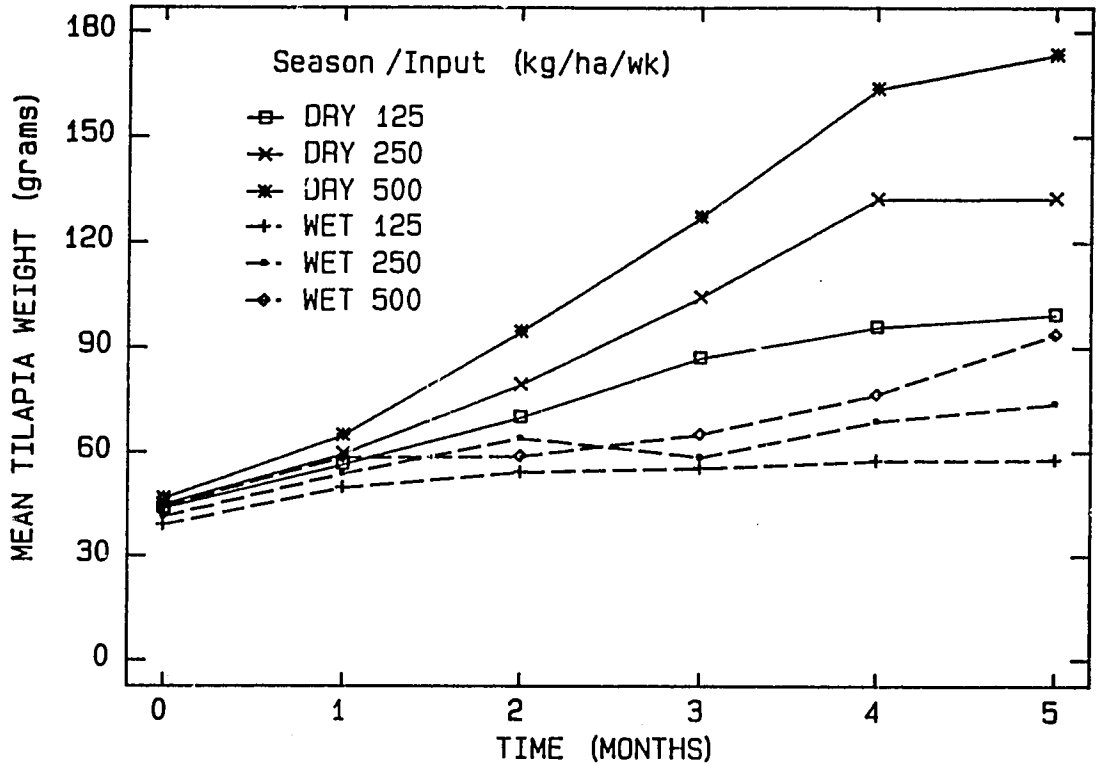

Figure 6. Mean fish weight through time for wet and dry seasons.

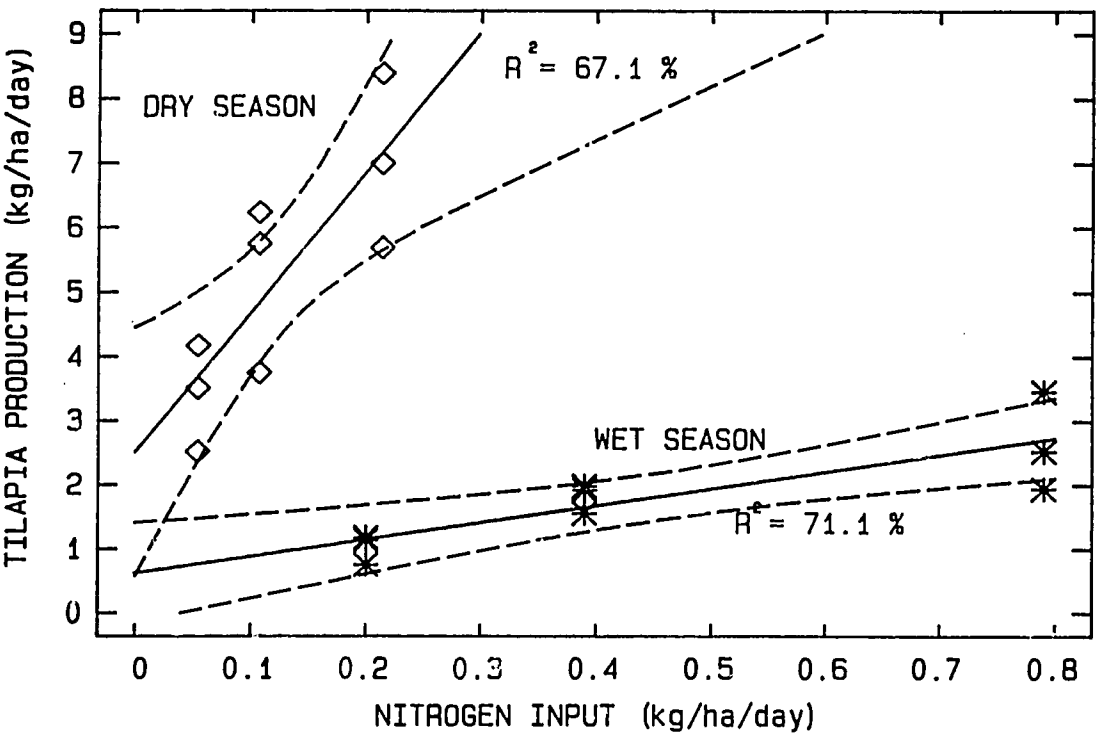

Figure 7. Nitrogen input versus tilapia production for wet and dry seasons.

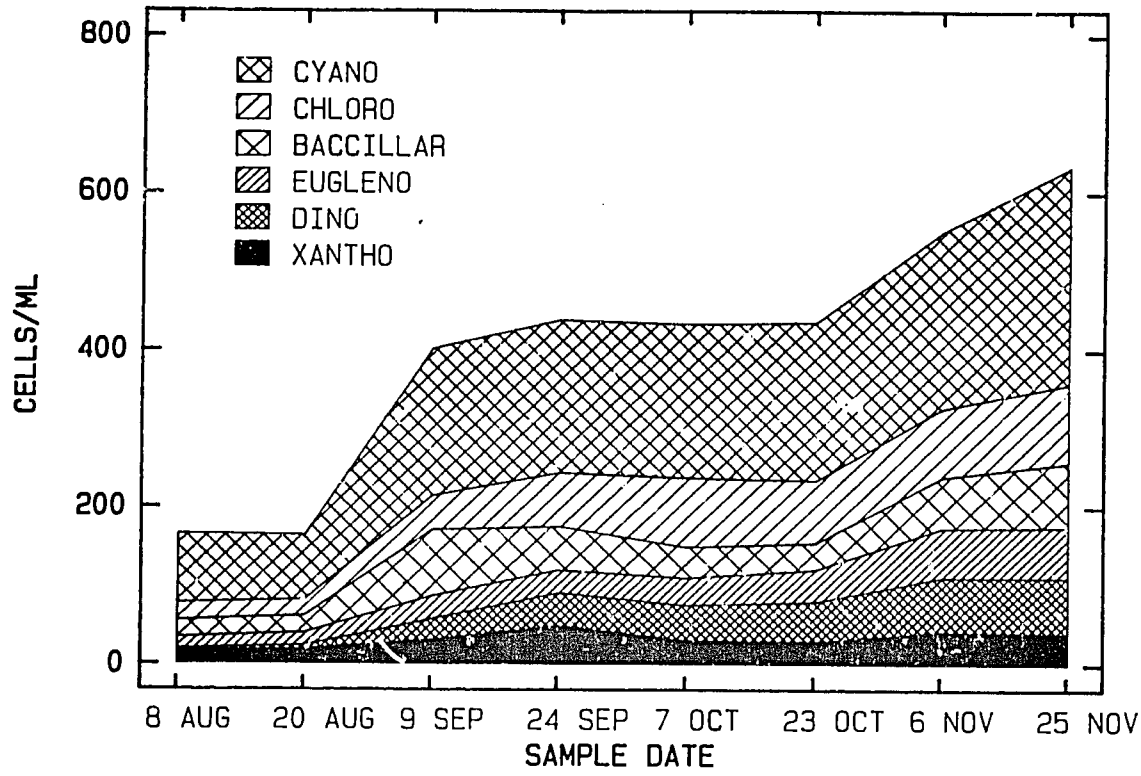

Figure 8. Phytoplankton cell counts for all ponds during the dry season and the early part of the "small wet season."

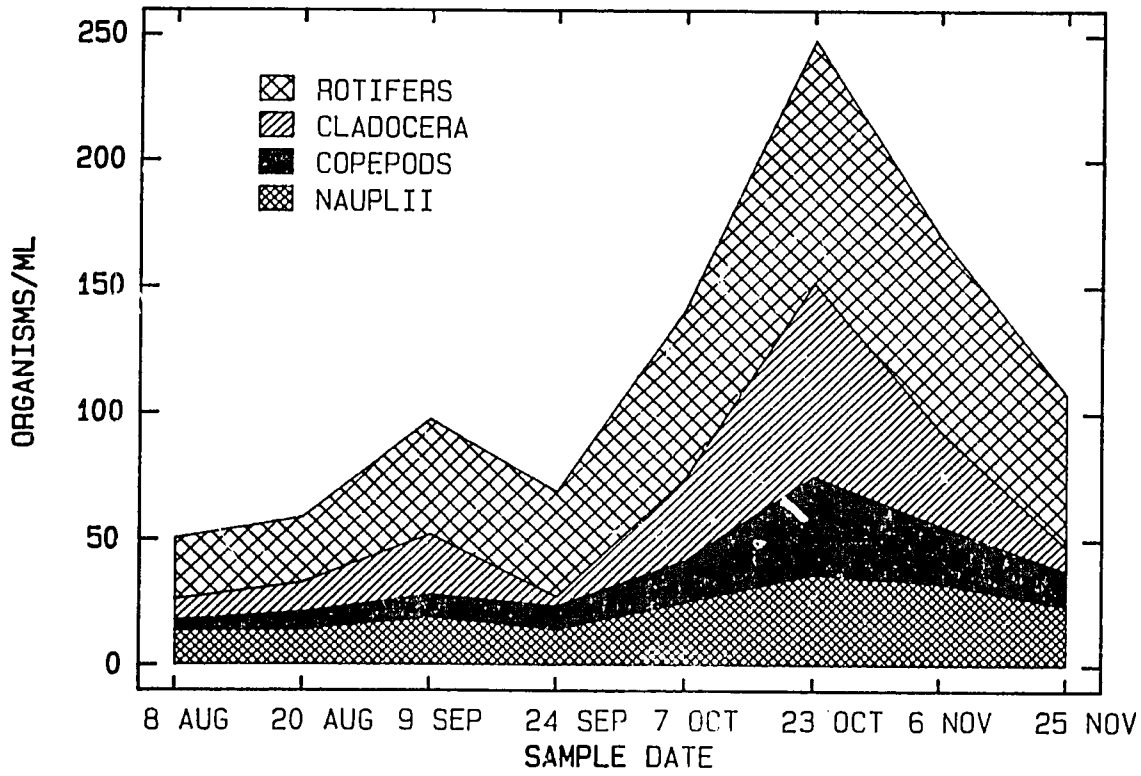

Figure 9. Zooplankton population densities for all ponds during the dry season and the early part of the "small wet season."

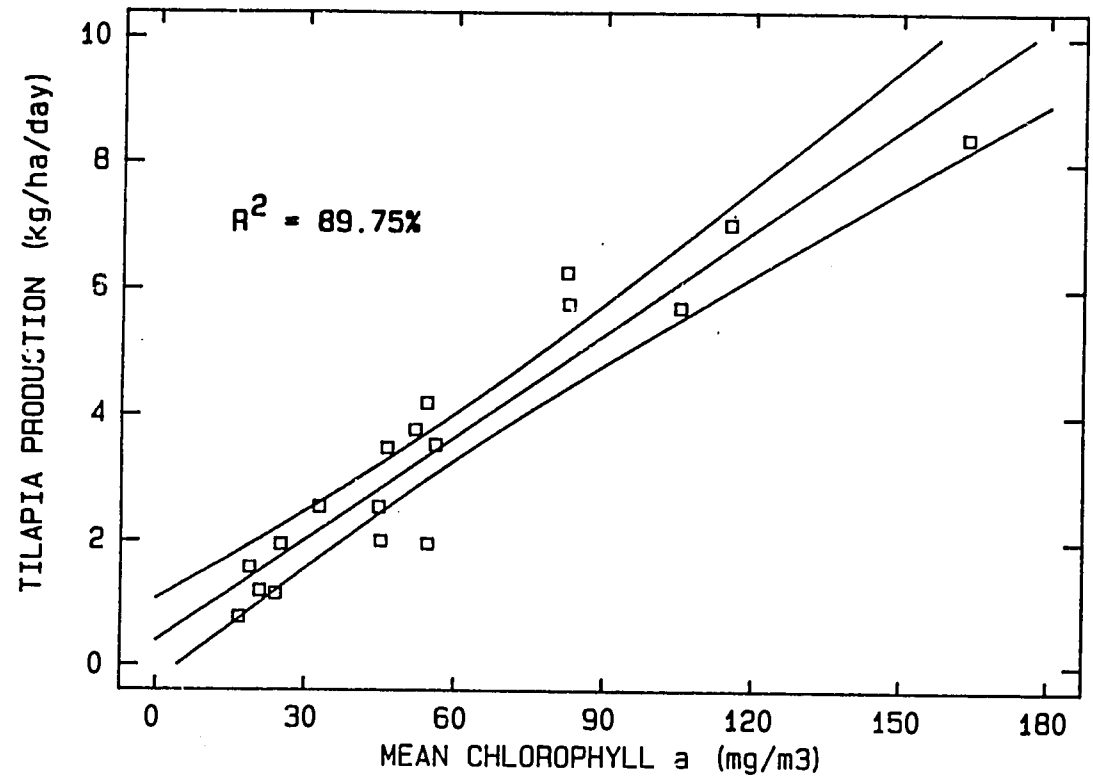

Figure 10. Tilapia production versus mean chlorophyll *a* for combined data from W1 and D2.

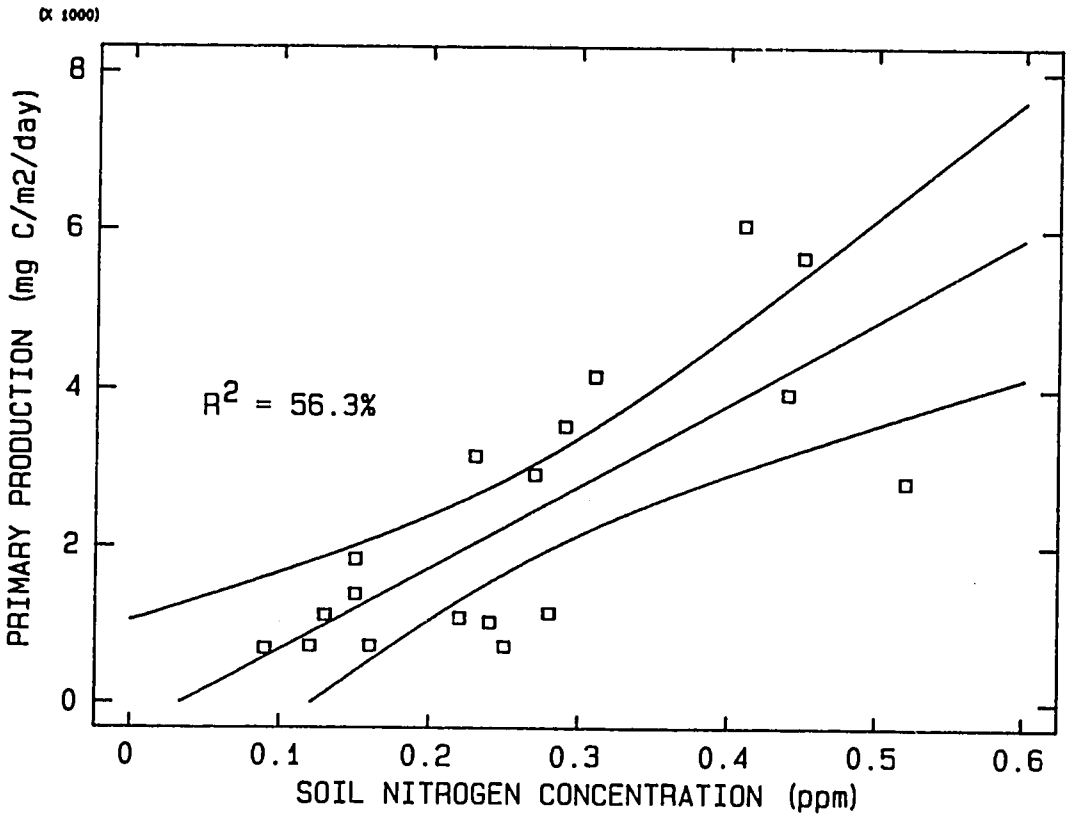

Figure 11. Primary production versus soil nitrogen for experiments W1 and D2.

APPENDIX

Complete Set of Data from Cycle III of the Pond Dynamics/ Aquaculture CRSP in Butare, Rwanda

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*

Weekly and Twice-Weekly 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, NH_3, 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*
- POP. WEIGHT ..... kg
- SAMPLE WEIGHT ..... g
- SAMPLE LENGTH ..... cm
- REPROD. WEIGHT ..... kg

Plankton and Benthos:

- NET (PRIMARY) PRODUCTION ..... $mg\ C/m^3/d$
- GROSS (PRIMARY) PRODUCTION ..... $mg\ C/m^3/d$
- 1 ..... "rare"
- 2 ..... "common"
- 3 ..... "abundant"

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
EXCH H	meq/100g

Pond Morphometrics:

AREA	m^2
VOLUME	m^3

Analysis of Nutrients and Lime:

All NUTRIENTS	% (dry matter basis)

Nutrient and Lime Inputs:

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

Table 1. Daily Weather Measurements. Rwanda, Cycle III

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
22	12	1985	26.52		0.	1.	30.	15.	
23	12	1985	39.83		0.	1.	28.	10.	
24	12	1985	43.46		0.	2.	31.	10.	
25	12	1985	38.65		0.	2.	31.	12.	
26	12	1985	40.73		0.	2.	30.	12.	
27	12	1985	40.12		0.	2.	33.	12.	
28	12	1985	38.99		0.3	1.	32.	12.	
29	12	1985	43.25		0.	1.	30.	11.	
30	12	1985	29.04		0.9	1.	33.	15.	
31	12	1985	29.78		0.	1.	29.	12.	
1	1	1986	11.87		2.7	1.	30.	12.	
2	1	1986	21.84		6.2	1.	31.	12.	
3	1	1986	33.98		0.	2.	27.	11.	
4	1	1986	43.68		0.6	2.	31.	12.	
5	1	1986	45.01		0.2	2.	31.	12.	
6	1	1986	29.39		0.8	2.	31.	14.	
7	1	1986	39.19		0.	2.	28.	11.	
8	1	1986	33.09		0.	2.	31.	12.	
9	1	1986	36.28		0.7	2.	30.6	14.	
10	1	1986	38.95		0.	1.	30.5	12.	
11	1	1986	29.85		0.	1.	31.1	12.	
12	1	1986	21.63		0.	1.	30.3	15.3	
13	1	1986	40.17		0.	1.	29.6	14.6	
14	1	1986	29.13		0.1	1.	32.3	15.3	
15	1	1986	34.31		0.4	1.	31.3	15.3	
16	1	1986	37.91		1.3	1.	31.6	14.3	
17	1	1986	39.53		0.	1.	32.3	14.6	3.
18	1	1986	16.91		0.	1.	34.3	12.6	3.
19	1	1986	30.18		0.	1.	27.3	13.6	3.
20	1	1986	27.89		0.	1.	31.3	13.6	3.
21	1	1986	26.93		0.	1.	28.	12.3	3.
22	1	1986	21.39		0.	1.	30.6	12.6	3.
23	1	1986	23.07		0.7	1.	27.3	11.6	3.
24	1	1986	31.32		0.4	1.	26.6	10.6	3.
25	1	1986	39.03		0.	2.	30.3	11.	3.
26	1	1986	43.75		0.	1.	31.3	9.6	3.
27	1	1986	36.43		0.	2.	33.6	10.6	3.
28	1	1986	30.		0.	2.	32.6	12.	3.
29	1	1986	32.81		1.4	2.	31.6	13.	3.
30	1	1986	30.14		0.	2.	32.	12.	3.
31	1	1986	29.7		0.1	2.	31.6	11.6	3.
1	2	1986	24.14		0.	2.	32.	15.3	3.
2	2	1986	35.13		0.	2.	32.6	15.	3.
3	2	1986	25.95		0.1	2.	32.3	15.	3.
4	2	1986	18.66		0.	1.	31.6	13.6	3.
5	2	1986	5.88		0.2	0.	32.	14.6	3.

Table 1. Daily Weather Measurements. Rwanda, Cycle III

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
6	2	1986	30.85		2.1	1.	18.3	14.3	3.
7	2	1986	32.15		0.	2.	31.	11.6	3.
8	2	1986	38.1		0.	2.	30.	10.	3.
9	2	1986	41.03		0.	2.	32.1	10.3	3.
10	2	1986	25.13		0.	2.	32.5	12.3	3.
11	2	1986	33.48		0.	1.	32.3	10.	3.
12	2	1986	34.79		0.	2.	30.6	9.6	3.
13	2	1986	35.84		1.3	3.	31.3	12.6	3.
14	2	1986	43.65		0.6	1.	32.	13.6	3.
15	2	1986	39.22		0.	1.	30.3	11.6	3.
16	2	1986	22.47		0.	2.	33.6	11.6	3.
17	2	1986	38.69		0.	2.	31.	9.6	3.
18	2	1986	30.59		0.	2.	33.	10.6	3.
19	2	1986	46.52		0.	2.	27.6	8.6	3.
20	2	1986	46.99		0.	2.	30.	8.6	3.
21	2	1986	24.56		0.	2.	33.3	11.	3.
22	2	1986	42.49		0.	2.	30.6	10.6	3.
23	2	1986	38.67		0.	2.	31.6	10.6	3.
24	2	1986	47.26		0.	2.	31.6	9.3	3.
25	2	1986	38.43		0.	2.	33.3	8.6	3.
26	2	1986	32.66		0.	2.	33.6	10.6	3.
27	2	1986	7.65		0.	1.	31.6	13.3	3.
28	2	1986	37.84		1.9	1.	25.	10.6	3.
1	3	1986	44.72		0.	2.	31.	9.6	3.
2	3	1986	29.18		0.	2.	32.	10.6	3.
3	3	1986	40.12		0.	3.	31.6	12.6	3.
4	3	1986	16.54		0.	2.	30.6	14.	0.
5	3	1986	23.84		2.2	2.	27.3	12.6	0.
6	3	1986	20.98		0.2	2.	26.6	11.6	0.
7	3	1986	26.19		1.5	1.	29.3	11.3	0.
8	3	1986	45.06		0.	2.	25.6	11.	1.
9	3	1986	17.91		0.	1.	31.3	11.3	1.
10	3	1986	30.32		0.3	1.	31.6	10.6	1.
11	3	1986	26.15		0.1	2.	28.3	12.3	1.
12	3	1986	43.		0.	2.	27.6	12.3	1.
13	3	1986	26.08		0.	1.	31.6	10.6	1.
14	3	1986	38.44		0.6	1.	30.6	8.	1.
15	3	1986	35.54		0.	2.	30.6	11.6	1.
16	3	1986	32.28		0.	2.	33.6	10.	1.
17	3	1986	32.76		0.6	2.	30.3	12.3	1.
18	3	1986	38.02		0.	2.	28.6	11.3	1.
19	3	1986	18.41		0.	1.	33.	11.3	1.
20	3	1986	31.9		1.2	1.	26.6	9.3	1.
21	3	1986	31.49		0.2	2.	31.3	9.6	1.
22	3	1986	33.97		0.	1.	27.6	12.6	1.
23	3	1986	22.58		0.6	1.	31.3	10.6	1.
24	3	1986	40.51		0.4	2.	27.3	10.6	1.

Table 1. Daily Weather Measurements. Rwanda, Cycle III

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
25	3	1986	47.55		0.	2.	31.6	9.6	1.
26	3	1986	20.14		0.	1.	32.3	11.3	1.
27	3	1986	24.96		0.7	2.	28.	12.6	1.
28	3	1986	41.49		1.3	2.	29.6	12.6	1.
29	3	1986	23.07		0.	1.	32.	10.6	1.
30	3	1986	27.08		0.1	2.	28.6	11.3	1.
31	3	1986	21.05		0.5	2.	27.6	14.	1.
1	4	1986	32.28		0.6	1.	28.	12.6	1.
2	4	1986	26.07		0.	1.	30.6	12.6	1.
3	4	1986	33.27		0.3	2.	28.6	12.6	1.
4	4	1986	21.5		2.3	1.	29.3	15.6	1.
5	4	1986	27.44		0.8	1.	28.6	13.	1.
6	4	1986	19.38		0.	2.	31.3	15.6	1.
7	4	1986	10.89		5.1	1.	28.6	14.6	1.
8	4	1986	32.4		2.6	1.	24.3	12.6	1.
9	4	1986	24.68		1.8	1.	31.	14.6	1.
10	4	1986	32.31		4.1	1.	29.	14.	1.
11	4	1986	29.78		0.	1.	29.6	12.6	0.
12	4	1986	27.74		1.5	2.	31.3	14.6	0.
13	4	1986	31.74		0.9	1.	28.	13.6	0.
14	4	1986	22.27		0.1	1.	29.6	13.6	0.
15	4	1986	16.21		2.3	1.	28.	13.6	0.
16	4	1986	36.28		0.5	1.	26.	11.6	0.
17	4	1986	28.79		0.	1.	31.3	12.6	0.
18	4	1986	42.81		0.2	2.	30.6	11.6	0.
19	4	1986	22.19		0.	2.	31.	15.	0.
20	4	1986	31.91		0.5	2.	29.6	13.	0.
21	4	1986	11.18		6.6	1.	30.3	15.6	0.
22	4	1986	19.31		0.9	1.	24.6	15.3	0.
23	4	1986	26.7		1.4	1.	25.3	12.6	0.
24	4	1986	27.64		0.5	1.	29.6	13.6	0.
25	4	1986	20.64		2.4	1.	30.3	13.6	0.
26	4	1986	10.29		0.2	1.	28.3	15.6	0.
27	4	1986	39.21		2.8	1.	23.3	14.3	0.
28	4	1986	24.33		1.3	0.	32.6	15.6	0.
29	4	1986	24.56		1.6	1.	29.3	12.6	3.
30	4	1986	35.81		1.4	1.	31.3	14.6	3.
1	5	1986	27.21		0.5	1.	29.6	15.3	3.
2	5	1986	29.7		1.3	1.	29.6	14.3	3.
3	5	1986	34.3		0.	1.	31.3	14.6	3.
4	5	1986	41.19		0.	2.	31.3	13.3	3.
5	5	1986			0.	2.	32.	14.	3.
6	5	1986			0.9	2.	30.6	13.6	3.
7	5	1986			0.	2.	29.3	12.6	3.
8	5	1986			0.	2.	31.	15.	3.
9	5	1986			0.6	1.	30.	14.6	3.
10	5	1986			1.5	2.	31.	13.6	3.

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Table 1. Daily Weather Measurements. Rwanda, Cycle III

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
11	5	1986			0.9	2.	31.	14.	3.
12	5	1986			0.2	1.	31.3	11.3	3.
13	5	1986	38.82		0.	2.	30.6	10.6	3.
14	5	1986	18.98		0.8	1.	30.6	13.6	2.
15	5	1986	26.19		1.9	2.	27.6	13.6	2.
16	5	1986	28.11		0.	1.	30.6	13.6	2.
17	5	1986	33.08		0.	2.	31.3	13.6	2.
18	5	1986	30.13		0.	2.	29.3	13.3	2.
19	5	1986	29.43		0.	2.	27.6	13.	2.
20	5	1986	23.32		0.	2.	27.6	14.6	2.
21	5	1986	21.59		0.	2.	28.3	12.6	2.
22	5	1986	22.24		0.6	2.	28.	15.6	2.
23	5	1986	18.83		0.1	1.	29.	14.6	2.
24	5	1986	13.06		0.2	2.	25.6	13.6	2.
25	5	1986	26.85		0.4	2.	23.3	13.	2.
26	5	1986	28.34		0.2	2.	28.3	14.6	2.
27	5	1986	33.23		0.	2.	28.	13.	2.
28	5	1986	22.91		0.	2.	28.3	11.6	2.
29	5	1986	29.05		0.	2.	27.3	9.6	2.
30	5	1986	27.53		0.	2.	29.	10.6	2.
31	5	1986	30.75		0.1	2.	28.6	11.3	2.
1	6	1986	32.28		0.	3.	30.3	14.6	2.
2	6	1986	19.53		0.	2.	30.6	14.3	2.
3	6	1986	29.66		0.	2.	28.6	10.6	4.
4	6	1986	28.81		0.	2.	29.6	9.6	4.
5	6	1986	35.24		0.	2.	30.	9.6	4.
6	6	1986	19.8		0.1	2.	31.3	10.6	4.
7	6	1986	29.2		0.	2.	26.6	10.3	4.
8	6	1986	31.28		0.	2.	27.	10.3	4.
9	6	1986	31.93		0.	3.	27.	8.7	4.
10	6	1986	37.54		0.	3.	26.3	8.7	4.
11	6	1986	35.9		0.	2.	27.7	9.7	4.
12	6	1986	36.81		0.	2.	29.7	8.3	4.
13	6	1986	38.75		0.	2.	30.3	8.7	4.
14	6	1986	38.18		0.	3.	29.7	9.7	4.
15	6	1986	32.78		0.	2.	30.	9.3	4.
16	6	1986	10.46		0.	2.	31.	13.	4.
17	6	1986	12.76		0.	1.	22.	12.	4.
18	6	1986	28.49		0.	1.	24.3	12.3	4.
19	6	1986	31.58		0.	2.	29.	12.3	4.
20	6	1986	30.5		0.	3.	28.7	9.7	4.
21	6	1986	30.84		0.	3.	29.3	9.7	4.
22	6	1986	30.1		0.	2.	30.	10.7	4.
23	6	1986	26.88		0.	3.	31.	11.7	4.
24	6	1986	31.59		0.	3.	27.	14.	4.
25	6	1986	31.45		0.	3.	27.	12.	4.
26	6	1986	33.31		0.	3.	28.7	11.	4.

Table 1. Daily Weather Measurements. Rwanda, Cycle III

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
27	6	1986	35.11		0.	3.	29.7	11.7	4.
28	6	1986	35.54		0.	3.	30.	7.3	4.
29	6	1986	34.84		0.	3.	28.3	4.7	4.
30	6	1986	33.94		0.	2.	29.	5.7	4.

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
13	7	1986	C1	1.18	N	N		nil
13	7	1986	C4	1.3	N	N		nil
13	7	1986	C6	1.22	N	N		nil
13	7	1986	C9	1.28	N	N		nil
13	7	1986	D2	1.22	N	N		nil
13	7	1986	D4	1.18	N	N		nil
13	7	1986	D7	1.14	N	N		nil
13	7	1986	D8	1.26	N	N		nil
13	7	1986	D11	1.22	N	N		nil
14	7	1986	C1	1.16	N	N		nil
14	7	1986	C4	1.28	N	N		nil
14	7	1986	C6	1.2	N	N		nil
14	7	1986	C9	1.27	N	N		nil
14	7	1986	D2	1.2	N	N		nil
14	7	1986	D4	1.18	N	N		nil
14	7	1986	D7	1.13	N	N		nil
14	7	1986	D8	1.25	N	N		nil
14	7	1986	D11	1.2	N	N		nil
15	7	1986	C1	1.16	N	N		nil
15	7	1986	C4	1.26	N	N		nil
15	7	1986	C6	1.2	N	N		nil
15	7	1986	C9	1.26	N	N		nil
15	7	1986	D2	1.19	N	N		nil
15	7	1986	D4	1.20	Y	N		nil
15	7	1986	D7	1.28	Y	N		nil
15	7	1986	D8	1.25	N	N		nil
15	7	1986	D11	1.17	N	N		nil
16	7	1986	C1	1.15	N	N		nil
16	7	1986	C4	1.24	N	N		nil
16	7	1986	C6	1.18	N	N		nil
16	7	1986	C9	1.25	N	N		nil
16	7	1986	D2	1.18	N	N		nil
16	7	1986	D4	1.27	N	N		nil
16	7	1986	D7	1.26	N	N		nil
16	7	1986	D8	1.26	N	N		nil
16	7	1986	D11	1.16	N	N		nil
17	7	1986	C1	1.14	N	N		nil
17	7	1986	C4	1.23	N	N		nil
17	7	1986	C6	1.17	N	N		nil
17	7	1986	C9	1.23	N	N		nil
17	7	1986	D2	1.16	N	N		nil
17	7	1986	D4	1.22	N	N		nil
17	7	1986	D7	1.27	N	N		nil
17	7	1986	D8	1.26	N	N		nil
17	7	1986	D11	1.14	N	N		nil
18	7	1986	C1	1.12	N	N		nil

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Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
18	7	1986	C4	1.22	N	N		nil
18	7	1986	C6	1.16	N	N		nil
18	7	1986	C9	1.22	N	N		nil
18	7	1986	D2	1.15	N	N		nil
18	7	1986	D4	1.22	N	N		nil
18	7	1986	D7	1.26	N	N		nil
18	7	1986	D8	1.26	N	N		nil
18	7	1986	D11	1.14	N	N		nil
19	7	1986	C1	1.11	N	N		nil
19	7	1986	C4	1.2	N	N		nil
19	7	1986	C6	1.16	N	N		nil
19	7	1986	C9	1.21	N	N		nil
19	7	1986	D2	1.13	N	N		nil
19	7	1986	D4	1.21	N	N		nil
19	7	1986	D7	1.25	N	N		nil
19	7	1986	D8	1.26	N	N		nil
19	7	1986	D11	1. 2	N	N		nil
20	7	1986	C1	1.29	Y	N		nil
20	7	1986	C4	1.18	N	N		nil
20	7	1986	C6	1.14	N	N		nil
20	7	1986	C9	1.2	N	N		nil
20	7	1986	D2	1.13	N	N		nil
20	7	1986	D4	1.21	N	N		nil
20	7	1986	D7	1.25	N	N		nil
20	7	1986	D8	1.26	N	N		nil
20	7	1986	D11	1.29	Y	N		nil
21	7	1986	C1	1.26	N	N		nil
21	7	1986	C4	1.17	N	N		nil
21	7	1986	C6	1.28	Y	N		nil
21	7	1986	C9	1.19	N	N		nil
21	7	1986	D2	1.25	Y	N		nil
21	7	1986	D4	1.21	N	N		nil
21	7	1986	D7	1.24	N	N		nil
21	7	1986	D8	1.26	N	N		nil
21	7	1986	D11	1.26	N	N		nil
22	7	1986	C1	1.25	N	N		nil
22	7	1986	C4	1.16	N	N		nil
22	7	1986	C6	1.25	N	N		nil
22	7	1986	C9	1.18	N	N		nil
22	7	1986	D2	1.23	N	N		nil
22	7	1986	D4	1.21	N	N		nil
22	7	1986	D7	1.23	N	N		nil
22	7	1986	D8	1.26	N	N		nil
22	7	1986	D11	1.23	N	N		nil
23	7	1986	C1	1.24	N	N		nil
23	7	1986	C4	1.14	N	N		nil
23	7	1986	C6	1.24	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
23	7	1986	C9	1.29	Y	N		nil
23	7	1986	D2	1.21	N	N		nil
23	7	1986	D4	1.2	N	N		nil
23	7	1986	D7	1.22	N	N		nil
23	7	1986	D8	1.26	N	N		nil
23	7	1986	D11	1.21	N	N		nil
24	7	1986	C1	1.19	N	N		nil
24	7	1986	C4	1.08	N	N		nil
24	7	1986	C6	1.2	N	N		nil
24	7	1986	C9	1.26	N	N		nil
24	7	1986	D2	1.2	N	N		nil
24	7	1986	D4	1.2	N	N		nil
24	7	1986	D7	1.2	N	N		nil
24	7	1986	D8	1.25	N	N		nil
24	7	1986	D11	1.19	N	N		nil
25	7	1986	C1	1.14	N	N		nil
25	7	1986	C4	1.24	Y	N		nil
25	7	1986	C6	1.17	N	N		nil
25	7	1986	C9	1.24	N	N		nil
25	7	1986	D2	1.16	N	N		nil
25	7	1986	D4	1.17	N	N		nil
25	7	1986	D7	1.18	N	N		nil
25	7	1986	D8	1.24	N	N		nil
25	7	1986	D11	1.16	N	N		nil
26	7	1986	C1	1.09	N	N		nil
26	7	1986	C4	1.16	N	N		nil
26	7	1986	C6	1.12	N	N		nil
26	7	1986	C9	1.21	N	N		nil
26	7	1986	D2	1.14	N	N		nil
26	7	1986	D4	1.14	N	N		nil
26	7	1986	D7	1.16	N	N		nil
26	7	1986	D8	1.22	N	N		nil
26	7	1986	D11	1.12	N	N		nil
27	7	1986	C1	1.25	Y	N		nil
27	7	1986	C4	1.24	Y	N		nil
27	7	1986	C6	1.27	Y	N		nil
27	7	1986	C9	1.18	N	N		nil
27	7	1986	D2	1.26	Y	N		nil
27	7	1986	D4	1.12	N	N		nil
27	7	1986	D7	1.15	N	N		nil
27	7	1986	D8	1.2	N	N		nil
27	7	1986	D11	1.1	N	N		nil
28	7	1986	C1	1.18	N	N		nil
28	7	1986	C4	1.17	N	N		nil
28	7	1986	C6	1.24	N	N		nil
28	7	1986	C9	1.28	Y	N		nil
28	7	1986	D2	1.23	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
28	7	1986	D4	1.3	Y	N		nil
28	7	1986	D7	1.27	Y	N		nil
28	7	1986	D8	1.19	N	N		nil
28	7	1986	D11	1.27	Y	N		nil
29	7	1986	C1	1.14	N	N		nil
29	7	1986	C4	1.11	N	N		nil
29	7	1986	C6	1.21	N	N		nil
29	7	1986	C9	1.25	N	N		nil
29	7	1986	D2	1.2	N	N		nil
29	7	1986	D4	1.27	N	N		nil
29	7	1986	D7	1.25	N	N		nil
29	7	1986	D8	1.18	N	N		nil
29	7	1986	D11	1.23	N	N		nil
30	7	1986	C1	1.08	N	N		nil
30	7	1986	C4	1.04	N	N		nil
30	7	1986	C6	1.16	N	N		nil
30	7	1986	C9	1.22	N	N		nil
30	7	1986	D2	1.17	N	N		nil
30	7	1986	D4	1.22	N	N		nil
30	7	1986	D7	1.22	N	N		nil
30	7	1986	D8	1.16	N	N		nil
30	7	1986	D11	1.19	N	N		nil
31	7	1986	C1	1.04	N	N		nil
31	7	1986	C4	1.	N	N		nil
31	7	1986	C6	1.12	N	N		nil
31	7	1986	C9	1.19	N	N		nil
31	7	1986	D2	1.15	N	N		nil
31	7	1986	D4	1.2	N	N		nil
31	7	1986	D7	1.2	N	N		nil
31	7	1986	D8	1.14	N	N		nil
31	7	1986	D11	1.16	N	N		nil
1	8	1986	C1	1.	N	N		nil
1	8	1986	C4	1.24	Y	N		nil
1	8	1986	C6	1.26	Y	N		nil
1	8	1986	C9	1.26	Y	N		nil
1	8	1986	D2	1.25	Y	N		nil
1	8	1986	D4	1.17	N	N		nil
1	8	1986	D7	1.16	N	N		nil
1	8	1986	D8	1.13	N	N		nil
1	8	1986	D11	1.12	N	N		nil
2	8	1986	C1	1.26	Y	N		nil
2	8	1986	C4	1.17	N	N		nil
2	8	1986	C6	1.23	N	N		nil
2	8	1986	C9	1.23	N	N		nil
2	8	1986	D2	1.2	N	N		nil
2	8	1986	D4	1.15	N	N		nil
2	8	1986	D7	1.15	N	N		nil

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Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
2	8	1986	D8	1.3	Y	N		nil
2	8	1986	D11	1.1	N	N		nil
3	8	1986	C1	1.21	N	N		nil
3	8	1986	C4	1.1	N	N		nil
3	8	1986	C6	1.19	N	N		nil
3	8	1986	C9	1.2	N	N		nil
3	8	1986	D2	1.18	N	N		nil
3	8	1986	D4	1.12	N	N		nil
3	8	1986	D7	1.28	Y	N		nil
3	8	1986	D8	1.28	N	N		nil
3	8	1986	D11	1.26	Y	N		nil
4	8	1986	C1	1.16	N	N		nil
4	8	1986	C4	1.24	Y	N		nil
4	8	1986	C6	1.16	N	N		nil
4	8	1986	C9	1.17	N	N		nil
4	8	1986	D2	1.14	N	N		nil
4	8	1986	D4	1.28	Y	N		nil
4	8	1986	D7	1.26	N	N		nil
4	8	1986	D8	1.26	N	N		nil
4	8	1986	D11	1.22	N	N		nil
5	8	1986	C1	1.11	N	N		nil
5	8	1986	C4	1.15	N	N		nil
5	8	1986	C6	1.12	N	N		nil
5	8	1986	C9	1.14	N	N		nil
5	8	1986	D2	1.12	N	N		nil
5	8	1986	D4	1.25	N	N		nil
5	8	1986	D7	1.23	N	N		nil
5	8	1986	D8	1.24	N	N		nil
5	8	1986	D11	1.18	N	N		nil
6	8	1986	C1	1.06	N	N		nil
6	8	1986	C4	1.08	N	N		nil
6	8	1986	C6	1.08	N	N		nil
6	8	1986	C9	1.12	N	N		nil
6	8	1986	D2	1.1	N	N		nil
6	8	1986	D4	1.22	N	N		nil
6	8	1986	D7	1.2	N	N		nil
6	8	1986	D8	1.22	N	N		nil
6	8	1986	D11	1.14	N	N		nil
7	8	1986	C1	1.02	N	N		nil
7	8	1986	C4	1.03	N	N		nil
7	8	1986	C6	1.05	N	N		nil
7	8	1986	C9	1.09	N	N		nil
7	8	1986	D2	1.07	N	N		nil
7	8	1986	D4	1.2	N	N		nil
7	8	1986	D7	1.3	Y	N		nil
7	8	1986	D8	1.2	N	N		nil
7	8	1986	D11	1.12	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
8	8	1986	C1	1.	N	N		nil
8	8	1986	C4	1.	N	N		nil
8	8	1986	C6	1.02	N	N	1	nil
8	8	1986	C9	1.28	Y	N		nil
8	8	1986	D2	1.27	Y	N		nil
8	8	1986	D4	1.17	N	N		nil
8	8	1986	D7	1.16	N	N		nil
8	8	1986	D8	1.18	N	N		nil
8	8	1986	D11	1.08	N	N		nil
9	8	1986	C1	0.95	N	N		nil
9	8	1986	C4	0.95	N	N		nil
9	8	1986	C6	1.	N	N		nil
9	8	1986	C9	1.25	N	N		nil
9	8	1986	D2	1.25	N	N		nil
9	8	1986	D4	1.14	N	N		nil
9	8	1986	D7	1.14	N	N		nil
9	8	1986	D8	1.15	N	N		nil
9	8	1986	D11	1.06	N	N		nil
10	8	1986	C1	1.24	Y	N		nil
10	8	1986	C4	1.27	Y	N		nil
10	8	1986	C6	1.27	Y	N		nil
10	8	1986	C9	1.23	Y	N		nil
10	8	1986	D2	1.22	Y	N		nil
10	8	1986	D4	1.3	Y	N		nil
10	8	1986	D7	1.28	Y	N		nil
10	8	1986	D8	1.27	Y	N		nil
10	8	1986	D11	1.28	Y	N		nil
11	8	1986	C1	1.19	N	N		nil
11	8	1986	C4	1.2	N	N		nil
11	8	1986	C6	1.23	N	N		nil
11	8	1986	C9	1.2	N	N		nil
11	8	1986	D2	1.19	N	N		nil
11	8	1986	D4	1.29	N	N		nil
11	8	1986	D7	1.25	N	N		nil
11	8	1986	D8	1.26	N	N		nil
11	8	1986	D11	1.23	N	N		nil
12	8	1986	C1	1.14	N	N		nil
12	8	1986	C4	1.12	N	N		nil
12	8	1986	C6	1.17	N	N		nil
12	8	1986	C9	1.16	N	N		nil
12	8	1986	D2	1.18	N	N		nil
12	8	1986	D4	1.25	N	N		nil
12	8	1986	D7	1.2	N	N		nil
12	8	1986	D8	1.24	N	N		nil
12	8	1986	D11	1.17	N	N		nil
13	8	1986	C1	1.11	N	N		nil
13	8	1986	C4	1.06	N	N		nil

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Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
13	8	1986	C6	1.15	N	N		nil
13	8	1986	C9	1.14	N	N		nil
13	8	1986	D2	1.16	N	N		nil
13	8	1986	D4	1.24	N	N		nil
13	8	1986	D7	1.19	N	N		nil
13	8	1986	D8	1.23	N	N		nil
13	8	1986	D11	1.15	N	N		nil
14	8	1986	C1	1.3	Y	N		nil
14	8	1986	C4	1.28	Y	N		nil
14	8	1986	C6	1.28	Y	N		nil
14	8	1986	C9	1.1	N	N		nil
14	8	1986	D2	1.13	N	N		nil
14	8	1986	D4	1.18	N	N		nil
14	8	1986	D7	1.18	N	N		nil
14	8	1986	D8	1.2	N	N		nil
14	8	1986	D11	1.1	N	N		nil
15	8	1986	C1	1.27	N	N		nil
15	8	1986	C4	1.2	N	N		nil
15	8	1986	C6	1.32	Y	N		nil
15	8	1986	C9	1.26	Y	N		nil
15	8	1986	D2	1.1	N	N		nil
15	8	1986	D4	1.14	N	N		nil
15	8	1986	D7	1.13	N	N		nil
15	8	1986	D8	1.18	N	N		nil
15	8	1986	D11	1.24	Y	N		nil
16	8	1986	C1	1.22	N	N		nil
16	8	1986	C4	1.23	Y	N		nil
16	8	1986	C6	1.28	N	N		nil
16	8	1986	C9	1.23	N	N		nil
16	8	1986	D2	1.26	Y	N		nil
16	8	1986	D4	1.27	Y	N		nil
16	8	1986	D7	1.11	N	N		nil
16	8	1986	D8	1.16	N	N		nil
16	8	1986	D11	1.2	N	N		nil
17	8	1986	C1	1.16	N	N		nil
17	8	1986	C4	1.16	N	N		nil
17	8	1986	C6	1.24	N	N		nil
17	8	1986	C9	1.2	N	N		nil
17	8	1986	D2	1.23	N	N		nil
17	8	1986	D4	1.23	N	N		nil
17	8	1986	D7	1.27	Y	N		nil
17	8	1986	D8	1.3	Y	N		nil
17	8	1986	D11	1.27	Y	N		nil
18	8	1986	C1	1.25	Y	N		nil
18	8	1986	C4	1.25	Y	N		nil
18	8	1986	C6	1.2	N	N		nil
18	8	1986	C9	1.26	Y	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
18	8	1986	D2	1.2	N	N		nil
18	8	1986	D4	1.2	N	N		nil
18	8	1986	D7	1.24	N	N		nil
18	8	1986	D8	1.29	N	N		nil
18	8	1986	D11	1.22	N	N		nil
19	8	1986	C1	1.19	N	N		nil
19	8	1986	C4	1.18	N	N		nil
19	8	1986	C6	1.26	Y	N		nil
19	8	1986	C9	1.24	N	N		nil
19	8	1986	D2	1.17	N	N		nil
19	8	1986	D4	1.16	N	N		nil
19	8	1986	D7	1.21	N	N		nil
19	8	1986	D8	1.27	N	N		nil
19	8	1986	D11	1.17	N	N		nil
20	8	1986	C1	1.14	N	N		nil
20	8	1986	C4	1.11	N	N		nil
20	8	1986	C6	1.22	N	N		nil
20	8	1986	C9	1.2	N	N		nil
20	8	1986	D2	1.15	N	N		nil
20	8	1986	D4	1.14	N	N		nil
20	8	1986	D7	1.18	N	N		nil
20	8	1986	D8	1.25	N	N		nil
20	8	1986	D11	1.13	N	N		nil
21	8	1986	C1	1.09	N	N		nil
21	8	1986	C4	1.06	N	N		nil
21	8	1986	C6	1.18	N	N		nil
21	8	1986	C9	1.17	N	N		nil
21	8	1986	D2	1.12	N	N		nil
21	8	1986	D4	1.12	N	N		nil
21	8	1986	D7	1.16	N	N		nil
21	8	1986	D8	1.23	N	N		nil
21	8	1986	D11	1.1	N	N		nil
22	8	1986	C1	1.04	N	N		nil
22	8	1986	C4	1.01	N	N		nil
22	8	1986	C6	1.14	N	N		nil
22	8	1986	C9	1.14	N	N		nil
22	8	1986	D2	1.1	N	N		nil
22	8	1986	D4	1.09	N	N		nil
22	8	1986	D7	1.14	N	N		nil
22	8	1986	D8	1.22	N	N		nil
22	8	1986	D11	1.07	N	N		nil
23	8	1986	C1	1.	N	N		nil
23	8	1986	C4	0.94	N	N		nil
23	8	1986	C6	1.1	N	N		nil
23	8	1986	C9	1.11	N	N		nil
23	8	1986	D2	1.07	N	N		nil
23	8	1986	D4	1.09	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
23	8	1986	D7	1.11	N	N		nil
23	8	1986	D8	1.2	N	N		nil
23	8	1986	D11	1.04	N	N		nil
24	8	1986	C1	1.26	Y	N		nil
24	8	1986	C4	1.28	Y	N		nil
24	8	1986	C6	1.3	Y	N		nil
24	8	1986	C9	1.08	N	N		nil
24	8	1986	D2	1.05	N	N		nil
24	8	1986	D4	1.28	Y	N		nil
24	8	1986	D7	1.26	Y	N		nil
24	8	1986	D8	1.3	Y	N		nil
24	8	1986	D11	1.25	Y	N		nil
25	8	1986	C1	1.2	N	N		nil
25	8	1986	C4	1.2	N	N		nil
25	8	1986	C6	1.28	N	N		nil
25	8	1986	C9	1.27	Y	N		nil
25	8	1986	D2	1.28	Y	N		nil
25	8	1986	D4	1.25	N	N		nil
25	8	1986	D7	1.23	N	N		nil
25	8	1986	D8	1.27	N	N		nil
25	8	1986	D11	1.19	N	N		nil
26	8	1986	C1	1.14	N	N		nil
26	8	1986	C4	1.3	Y	N		nil
26	8	1986	C6	1.23	N	N		nil
26	8	1986	C9	1.24	N	N		nil
26	8	1986	D2	1.25	N	N		nil
26	8	1986	D4	1.21	N	N		nil
26	8	1986	D7	1.2	N	N		nil
26	8	1986	D8	1.25	N	N		nil
26	8	1986	D11	1.24	Y	N		nil
27	8	1986	C1	1.26	Y	N		nil
27	8	1986	C4	1.22	N	N		nil
27	8	1986	C6	1.19	N	N		nil
27	8	1986	C9	1.2	N	N		nil
27	8	1986	D2	1.21	N	N		nil
27	8	1986	D4	1.18	N	N		nil
27	8	1986	D7	1.17	N	N		nil
27	8	1986	D8	1.24	N	N		nil
27	8	1986	D11	1.18	N	N		nil
28	8	1986	C1	1.2	N	N		nil
28	8	1986	C4	1.15	N	N		nil
28	8	1986	C6	1.16	N	N		nil
28	8	1986	C9	1.16	N	N		nil
28	8	1986	D2	1.18	N	N		nil
28	8	1986	D4	1.15	N	N		nil
28	8	1986	D7	1.27	Y	N		nil
28	8	1986	D8	1.23	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
28	8	1986	D11	1.16	N	N		nil
29	8	1986	C1	1.16	N	N		nil
29	8	1986	C4	1.09	N	N		nil
29	8	1986	C6	1.14	N	N		nil
29	8	1986	C9	1.27	Y	N		nil
29	8	1986	D2	1.17	N	N		nil
29	8	1986	D4	1.14	N	N		nil
29	8	1986	D7	1.24	N	N		nil
29	8	1986	D8	1.23	N	N		nil
29	8	1986	D11	1.14	N	N		nil
30	8	1986	C1	1.14	N	N		nil
30	8	1986	C4	1.26	Y	N		nil
30	8	1986	C6	1.12	N	N		nil
30	8	1986	C9	1.26	N	N		nil
30	8	1986	D2	1.16	N	N		nil
30	8	1986	D4	1.14	N	N		nil
30	8	1986	D7	1.22	N	N		nil
30	8	1986	D8	1.23	N	N		nil
30	8	1986	D11	1.13	N	N		nil
31	8	1986	C1	1.14	N	N		nil
31	8	1986	C4	1.24	N	N		nil
31	8	1986	C6	1.12	N	N		nil
31	8	1986	C9	1.24	N	N		nil
31	8	1986	D2	1.15	N	N		nil
31	8	1986	D4	1.14	N	N		nil
31	8	1986	D7	1.21	N	N		nil
31	8	1986	D8	1.23	N	N		nil
31	8	1986	D11	1.13	N	N		nil
1	9	1986	C1	1.26	N	N		nil
1	9	1986	C4	1.23	N	N		nil
1	9	1986	C6	1.3	N	N		nil
1	9	1986	C9	1.22	N	N		nil
1	9	1986	D2	1.14	N	N		nil
1	9	1986	D4	1.16	N	N		nil
1	9	1986	D7	1.17	N	N		nil
1	9	1986	D8	1.22	N	N		nil
1	9	1986	D11	1.25	N	N		nil
2	9	1986	C1	1.24	Y	N		nil
2	9	1986	C4	1.22	N	N		nil
2	9	1986	C6	1.29	Y	N		nil
2	9	1986	C9	1.21	N	N		nil
2	9	1986	D2	1.26	N	N		nil
2	9	1986	D4	1.3	N	N		nil
2	9	1986	D7	1.15	N	N		nil
2	9	1986	D8	1.21	N	N		nil
2	9	1986	D11	1.22	N	N		nil
3	9	1986	C1	1.23	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
3	9	1986	C4	1.21	N	N		nil
3	9	1986	C6	1.27	N	N		nil
3	9	1986	C9	1.2	N	N		nil
3	9	1986	D2	1.24	N	N		nil
3	9	1986	D4	1.3	N	N		nil
3	9	1986	D7	1.27	Y	N		nil
3	9	1986	D8	1.22	N	N		nil
3	9	1986	D11	1.19	N	N		nil
4	9	1986	C1	1.22	N	N		nil
4	9	1986	C4	1.2	N	N		nil
4	9	1986	C6	1.26	N	N		nil
4	9	1986	C9	1.2	N	N		nil
4	9	1986	D2	1.24	N	N		nil
4	9	1986	D4	1.3	N	N		nil
4	9	1986	D7	1.25	N	N		nil
4	9	1986	D8	1.22	N	N		nil
4	9	1986	D11	1.26	Y	N		nil
5	9	1986	C1	1.21	N	N		nil
5	9	1986	C4	1.19	N	N		nil
5	9	1986	C6	1.25	N	N		nil
5	9	1986	C9	1.28	Y	N		nil
5	9	1986	D2	1.22	N	N		nil
5	9	1986	D4	1.29	N	N		nil
5	9	1986	D7	1.23	N	N		nil
5	9	1986	D8	1.22	N	N		nil
5	9	1986	D11	1.23	N	N		nil
6	9	1986	C1	1.21	N	N		nil
6	9	1986	C4	1.18	N	N		nil
6	9	1986	C6	1.24	N	N		nil
6	9	1986	C9	1.26	N	N		nil
6	9	1986	D2	1.21	N	N		nil
6	9	1986	D4	1.28	N	N		nil
6	9	1986	D7	1.2	N	N		nil
6	9	1986	D8	1.22	N	N		nil
6	9	1986	D11	1.2	N	N		nil
7	9	1986	C1	1.22	N	N		nil
7	9	1986	C4	1.3	Y	N		nil
7	9	1986	C6	1.22	N	N		nil
7	9	1986	C9	1.24	N	N		nil
7	9	1986	D2	1.2	N	N		nil
7	9	1986	D4	1.28	N	N		nil
7	9	1986	D7	1.18	N	N		nil
7	9	1986	D8	1.22	N	N		nil
7	9	1986	D11	1.17	N	N		nil
8	9	1986	C1	1.21	N	N		nil
8	9	1986	C4	1.28	N	N		nil
8	9	1986	C6	1.22	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
8	9	1986	C9	1.23	N	N		nil
8	9	1986	D2	1.19	N	N		nil
8	9	1986	D4	1.28	N	N		nil
8	9	1986	D7	1.28	Y	N		nil
8	9	1986	D8	1.24	N	N		nil
8	9	1986	D11	1.16	N	N		nil
9	9	1986	C1	1.2	N	N		nil
9	9	1986	C4	1.27	N	N		nil
9	9	1986	C6	1.21	N	N		nil
9	9	1986	C9	1.23	N	N		nil
9	9	1986	D2	1.28	Y	N		nil
9	9	1986	D4	1.27	N	N		nil
9	9	1986	D7	1.25	N	N		nil
9	9	1986	D8	1.25	N	N		nil
9	9	1986	D11	1.28	Y	N		nil
10	9	1986	C1	1.2	N	N	3	nil
10	9	1986	C4	1.26	N	N	3	nil
10	9	1986	C6	1.21	N	N	3	nil
10	9	1986	C9	1.24	N	N	3	nil
10	9	1986	D2	1.28	N	N	3	nil
10	9	1986	D4	1.28	N	N	3	nil
10	9	1986	D7	1.25	N	N	3	nil
10	9	1986	D8	1.27	Y	N	3	nil
10	9	1986	D11	1.26	N	N	3	nil
11	9	1986	C1	1.2	N	N		nil
11	9	1986	C4	1.23	N	N		nil
11	9	1986	C6	1.2	N	N		nil
11	9	1986	C9	1.23	N	N		nil
11	9	1986	D2	1.26	N	N		nil
11	9	1986	D4	1.28	N	N		nil
11	9	1986	D7	1.23	N	N		nil
11	9	1986	D8	1.28	N	N		nil
11	9	1986	D11	1.24	N	N		nil
12	9	1986	C1	1.19	N	N		nil
12	9	1986	C4	1.24	N	N		nil
12	9	1986	C6	1.2	N	N		nil
12	9	1986	C9	1.22	N	N		nil
12	9	1986	D2	1.24	N	N		nil
12	9	1986	D4	1.28	N	N		nil
12	9	1986	D7	1.22	N	N		nil
12	9	1986	D8	1.28	N	N		nil
12	9	1986	D11	1.21	N	N		nil
13	9	1986	C1	1.2	N	N		nil
13	9	1986	C4	1.22	N	N		nil
13	9	1986	C6	1.19	N	N		nil
13	9	1986	C9	1.21	N	N		nil
13	9	1986	D2	1.24	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
13	9	1986	D4	1.28	N	N		nil
13	9	1986	D7	1.2	N	N		nil
13	9	1986	D8	1.27	N	N		nil
13	9	1986	D11	1.18	N	N		nil
14	9	1986	C1	1.2	N	N		nil
14	9	1986	C4	1.21	N	N		nil
14	9	1986	C6	1.3	Y	N		nil
14	9	1986	C9	1.2	N	N		nil
14	9	1986	D2	1.22	N	N		nil
14	9	1986	D4	1.27	N	N		nil
14	9	1986	D7	1.19	N	N		nil
14	9	1986	D8	1.27	N	N		nil
14	9	1986	D11	1.16	N	N		nil
15	9	1986	C1	1.2	N	N		nil
15	9	1986	C4	1.2	N	N		nil
15	9	1986	C6	1.29	N	N		nil
15	9	1986	C9	1.18	N	N		nil
15	9	1986	D2	1.21	N	N		nil
15	9	1986	D4	1.26	N	N		nil
15	9	1986	D7	1.18	N	N		nil
15	9	1986	D8	1.27	N	N		nil
15	9	1986	D11	1.26	Y	N		nil
16	9	1986	C1	1.19	N	N		nil
16	9	1986	C4	1.18	N	N		nil
16	9	1986	C6	1.28	N	N		nil
16	9	1986	C9	1.29	Y	N		nil
16	9	1986	D2	1.2	N	N		nil
16	9	1986	D4	1.26	N	N		nil
16	9	1986	D7	1.27	Y	N		nil
16	9	1986	D8	1.27	N	N		nil
16	9	1986	D11	1.24	N	N		nil
17	9	1986	C1	1.32	Y	N		nil
17	9	1986	C4	1.17	N	N		nil
17	9	1986	C6	1.27	N	N		nil
17	9	1986	C9	1.28	N	N		nil
17	9	1986	D2	1.18	N	N		nil
17	9	1986	D4	1.26	N	N		nil
17	9	1986	D7	1.26	N	N		nil
17	9	1986	D8	1.28	N	N		nil
17	9	1986	D11	1.22	N	N		nil
18	9	1986	C1	1.29	N	N		nil
18	9	1986	C4	1.3	Y	N		nil
18	9	1986	C6	1.25	N	N		nil
18	9	1986	C9	1.26	N	N		nil
18	9	1986	D2	1.17	N	N		nil
18	9	1986	D4	1.26	N	N		nil
18	9	1986	D7	1.24	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
18	9	1986	D8	1.28	N	N		nil
18	9	1986	D11	1.2	N	N		nil
19	9	1986	C1	1.28	N	N		nil
19	9	1986	C4	1.28	N	N		nil
19	9	1986	C6	1.24	N	N		nil
19	9	1986	C9	1.25	N	N		nil
19	9	1986	D2	1.16	N	N		nil
19	9	1986	D4	1.26	N	N		nil
19	9	1986	D7	1.22	N	N		nil
19	9	1986	D8	1.28	N	N		nil
19	9	1986	D11	1.18	N	N		nil
20	9	1986	C1	1.26	N	N		nil
20	9	1986	C4	1.26	N	N		nil
20	9	1986	C6	1.24	N	N		nil
20	9	1986	C9	1.24	N	N		nil
20	9	1986	D2	1.28	Y	N		nil
20	9	1986	D4	1.25	N	N		nil
20	9	1986	D7	1.21	N	N		nil
20	9	1986	D8	1.28	N	N		nil
20	9	1986	D11	1.29	Y	N		nil
21	9	1986	C1	1.26	N	N		nil
21	9	1986	C4	1.25	N	N		nil
21	9	1986	C6	1.22	N	N		nil
21	9	1986	C9	1.23	N	N		nil
21	9	1986	D2	1.26	N	N		nil
21	9	1986	D4	1.25	N	N		nil
21	9	1986	D7	1.2	N	N		nil
21	9	1986	D8	1.27	N	N		nil
21	9	1986	D11	1.26	N	N		nil
22	9	1986	C1	1.25	N	N		nil
22	9	1986	C4	1.23	N	N		nil
22	9	1986	C6	1.21	N	N		nil
22	9	1986	C9	1.22	N	N		nil
22	9	1986	D2	1.25	N	N		nil
22	9	1986	D4	1.24	N	N		nil
22	9	1986	D7	1.18	N	N		nil
22	9	1986	D8	1.26	N	N		nil
22	9	1986	D11	1.22	N	N		nil
23	9	1986	C1	1.23	N	N		nil
23	9	1986	C4	1.22	N	N		nil
23	9	1986	C6	1.2	N	N		nil
23	9	1986	C9	1.2	N	N		nil
23	9	1986	D2	1.23	N	N		nil
23	9	1986	D4	1.24	N	N		nil
23	9	1986	D7	1.18	N	N		nil
23	9	1986	D8	1.26	N	N		nil
23	9	1986	D11	1.22	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
24	9	1986	C1	1.22	N	N		nil
24	9	1986	C4	1.2	N	N		nil
24	9	1986	C6	1.19	N	N		nil
24	9	1986	C9	1.19	N	N		nil
24	9	1986	D2	1.22	N	N		nil
24	9	1986	D4	1.24	N	N		nil
24	9	1986	D7	1.16	N	N		nil
24	9	1986	D8	1.25	N	N		nil
24	9	1986	D11	1.18	N	N		nil
25	9	1986	C1	1.2	N	N		nil
25	9	1986	C4	1.19	N	N		nil
25	9	1986	C6	1.18	N	N		nil
25	9	1986	C9	1.18	N	N		nil
25	9	1986	D2	1.21	N	N		nil
25	9	1986	D4	1.24	N	N		nil
25	9	1986	D7	1.16	N	N		nil
25	9	1986	D8	1.24	N	N		nil
25	9	1986	D11	1.16	N	N		nil
26	9	1986	C1	1.18	N	N		nil
26	9	1986	C4	1.18	N	N		nil
26	9	1986	C6	1.17	N	N		nil
26	9	1986	C9	1.17	N	N		nil
26	9	1986	D2	1.19	N	N		nil
26	9	1986	D4	1.23	N	N		nil
26	9	1986	D7	1.15	N	N		nil
26	9	1986	D8	1.23	N	N		nil
26	9	1986	D11	1.14	N	N		nil
27	9	1986	C1	1.17	N	N		nil
27	9	1986	C4	1.17	N	N		nil
27	9	1986	C6	1.17	N	N		nil
27	9	1986	C9	1.16	N	N		nil
27	9	1986	D2	1.18	N	N		nil
27	9	1986	D4	1.23	N	N		nil
27	9	1986	D7	1.15	N	N		nil
27	9	1986	D8	1.23	N	N		nil
27	9	1986	D11	1.14	N	N		nil
28	9	1986	C1	1.16	N	N		nil
28	9	1986	C4	1.16	N	N		nil
28	9	1986	C6	1.16	N	N		nil
28	9	1986	C9	1.14	N	N		nil
28	9	1986	D2	1.17	N	N		nil
28	9	1986	D4	1.23	N	N		nil
28	9	1986	D7	1.15	N	N		nil
28	9	1986	D8	1.23	N	N		nil
28	9	1986	D11	1.14	N	N		nil
29	9	1986	C1	1.14	N	N		nil
29	9	1986	C4	1.15	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
29	9	1986	C6	1.16	N	N		nil
29	9	1986	C9	1.14	N	N		nil
29	9	1986	D2	1.16	N	N		nil
29	9	1986	D4	1.23	N	N		nil
29	9	1986	D7	1.14	N	N		nil
29	9	1986	D8	1.22	N	N		nil
29	9	1986	D11	1.13	N	N		nil
30	9	1986	C1	1.12	N	N		nil
30	9	1986	C4	1.29	Y	N		nil
30	9	1986	C6	1.29	Y	N		nil
30	9	1986	C9	1.12	N	N		nil
30	9	1986	D2	1.15	N	N		nil
30	9	1986	D4	1.23	N	N		nil
30	9	1986	D7	1.14	N	N		nil
30	9	1986	D8	1.22	N	N		nil
30	9	1986	D11	1.12	N	N		nil
1	10	1986	C1	1.12	N	N		nil
1	10	1986	C4	1.28	N	N		nil
1	10	1986	C6	1.28	N	N		nil
1	10	1986	C9	1.11	N	N		nil
1	10	1986	D2	1.14	N	N		nil
1	10	1986	D4	1.22	N	N		nil
1	10	1986	D7	1.13	N	N		nil
1	10	1986	D8	1.21	N	N		nil
1	10	1986	D11	1.1	N	N		nil
2	10	1986	C1	1.12	N	N		nil
2	10	1986	C4	1.26	N	N		nil
2	10	1986	C6	1.27	N	N		nil
2	10	1986	C9	1.1	N	N		nil
2	10	1986	D2	1.12	N	N		nil
2	10	1986	D4	1.22	N	N		nil
2	10	1986	D7	1.12	N	N		nil
2	10	1986	D8	1.2	N	N		nil
2	10	1986	D11	1.1	N	N		nil
3	10	1986	C1	1.12	N	N		nil
3	10	1986	C4	1.25	N	N		nil
3	10	1986	C6	1.26	N	N		nil
3	10	1986	C9	1.3	Y	N		nil
3	10	1986	D2	1.12	N	N		nil
3	10	1986	D4	1.22	N	N		nil
3	10	1986	D7	1.12	N	N		nil
3	10	1986	D8	1.2	N	N		nil
3	10	1986	D11	1.1	N	N		nil
4	10	1986	C1	1.12	N	N		nil
4	10	1986	C4	1.24	N	N		nil
4	10	1986	C6	1.25	N	N		nil
4	10	1986	C9	1.28	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
4	10	1986	D2	1.25	Y	N		nil
4	10	1986	D4	1.22	N	N		nil
4	10	1986	D7	1.11	N	N		nil
4	10	1986	D8	1.18	N	N		nil
4	10	1986	D11	1.08	N	N		nil
5	10	1986	C1	1.3	Y	N		nil
5	10	1986	C4	1.23	N	N		nil
5	10	1986	C6	1.24	N	N		nil
5	10	1986	C9	1.27	N	N		nil
5	10	1986	D2	1.24	N	N		nil
5	10	1986	D4	1.2	N	N		nil
5	10	1986	D7	1.28	Y	N		nil
5	10	1986	D8	1.3	Y	N		nil
5	10	1986	D11	1.08	N	N		nil
6	10	1986	C1	1.28	N	N		nil
6	10	1986	C4	1.21	N	N		nil
6	10	1986	C6	1.23	N	N		nil
6	10	1986	C9	1.26	N	N		nil
6	10	1986	D2	1.23	N	N		nil
6	10	1986	D4	1.2	N	N		nil
6	10	1986	D7	1.26	N	N		nil
6	10	1986	D8	1.3	N	N		nil
6	10	1986	D11	1.26	N	N		nil
7	10	1986	C1	1.28	N	N		nil
7	10	1986	C4	1.21	N	N		nil
7	10	1986	C6	1.23	N	N		nil
7	10	1986	C9	1.25	N	N		nil
7	10	1986	D2	1.23	N	N		nil
7	10	1986	D4	1.2	N	N		nil
7	10	1986	D7	1.26	N	N		nil
7	10	1986	D8	1.3	N	N		nil
7	10	1986	D11	1.24	N	N		nil
8	10	1986	C1	1.27	N	N	3	nil
8	10	1986	C4	1.22	N	N	3	nil
8	10	1986	C6	1.24	N	N	3	nil
8	10	1986	C9	1.26	N	N	3	nil
8	10	1986	D2	1.23	N	N	3	nil
8	10	1986	D4	1.22	N	N	3	nil
8	10	1986	D7	1.28	N	N	3	nil
8	10	1986	D8	1.31	N	N	3	nil
8	10	1986	D11	1.23	N	N	3	nil
9	10	1986	C1	1.26	N	N		nil
9	10	1986	C4	1.21	N	N		nil
9	10	1986	C6	1.23	N	N		nil
9	10	1986	C9	1.25	N	N		nil
9	10	1986	D2	1.22	N	N		nil
9	10	1986	D4	1.22	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
9	10	1986	D7	1.27	N	N		nil
9	10	1986	D8	1.31	N	N		nil
9	10	1986	D11	1.21	N	N		nil
10	10	1986	C1	1.26	N	N		nil
10	10	1986	C4	1.21	N	N		nil
10	10	1986	C6	1.23	N	N		nil
10	10	1986	C9	1.24	N	N		nil
10	10	1986	D2	1.22	N	N		nil
10	10	1986	D4	1.23	N	N		nil
10	10	1986	D7	1.26	N	N		nil
10	10	1986	D8	1.3	N	N		nil
10	10	1986	D11	1.2	N	N		nil
11	10	1986	C1	1.24	N	N		nil
11	10	1986	C4	1.2	N	N		nil
11	10	1986	C6	1.22	N	N		nil
11	10	1986	C9	1.24	N	N		nil
11	10	1986	D2	1.2	N	N		nil
11	10	1986	D4	1.24	N	N		nil
11	10	1986	D7	1.25	N	N		nil
11	10	1986	D8	1.31	N	N		nil
11	10	1986	D11	1.26	Y	N		nil
12	10	1986	C1	1.26	N	N		nil
12	10	1986	C4	1.22	N	N		nil
12	10	1986	C6	1.24	N	N		nil
12	10	1986	C9	1.24	N	N		nil
12	10	1986	D2	1.22	N	N		nil
12	10	1986	D4	1.27	N	N		nil
12	10	1986	D7	1.27	N	N		nil
12	10	1986	D8	1.32	N	N		nil
12	10	1986	D11	1.26	N	N		nil
13	10	1986	C1	1.24	N	N		nil
13	10	1986	C4	1.26	N	N		nil
13	10	1986	C6	1.23	N	N		nil
13	10	1986	C9	1.24	N	N		nil
13	10	1986	D2	1.21	N	N		nil
13	10	1986	D4	1.27	N	N		nil
13	10	1986	D7	1.26	N	N		nil
13	10	1986	D8	1.32	N	N		nil
13	10	1986	D11	1.25	N	N		nil
14	10	1986	C1	1.25	N	N		nil
14	10	1986	C4	1.27	N	N		nil
14	10	1986	C6	1.24	N	N		nil
14	10	1986	C9	1.25	N	N		nil
14	10	1986	D2	1.22	N	N		nil
14	10	1986	D4	1.28	N	N		nil
14	10	1986	D7	1.26	N	N		nil
14	10	1986	D8	1.33	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
14	10	1986	D11	1.23	N	N		nil
15	10	1986	C1	1.26	N	N		nil
15	10	1986	C4	1.28	N	N		nil
15	10	1986	C6	1.25	N	N		nil
15	10	1986	C9	1.25	N	N		nil
15	10	1986	D2	1.22	N	N		nil
15	10	1986	D4	1.3	N	N		nil
15	10	1986	D7	1.27	N	N		nil
15	10	1986	D8	1.34	N	N		nil
15	10	1986	D11	1.22	N	N		nil
16	10	1986	C1	1.26	N	N		nil
16	10	1986	C4	1.26	N	N		nil
16	10	1986	C6	1.24	N	N		nil
16	10	1986	C9	1.25	N	N		nil
16	10	1986	D2	1.21	N	N		nil
16	10	1986	D4	1.28	N	N		nil
16	10	1986	D7	1.26	N	N		nil
16	10	1986	D8	1.32	N	N		nil
16	10	1986	D11	1.2	N	N		nil
17	10	1986	C1	1.25	N	N		nil
17	10	1986	C4	1.26	N	N		nil
17	10	1986	C6	1.24	N	N		nil
17	10	1986	C9	1.23	N	N		nil
17	10	1986	D2	1.2	N	N		nil
17	10	1986	D4	1.29	N	N		nil
17	10	1986	D7	1.25	N	N		nil
17	10	1986	D8	1.31	N	N		nil
17	10	1986	D11	1.19	N	N		nil
18	10	1986	C1	1.25	N	N		nil
18	10	1986	C4	1.25	N	N		nil
18	10	1986	C6	1.24	N	N		nil
18	10	1986	C9	1.25	N	N		nil
18	10	1986	D2	1.32	Y	N		nil
18	10	1986	D4	1.36	N	N		nil
18	10	1986	D7	1.26	N	N		nil
18	10	1986	D8	1.32	N	N		nil
18	10	1986	D11	1.26	N	N		nil
19	10	1986	C1	1.24	N	N		nil
19	10	1986	C4	1.25	N	N		nil
19	10	1986	C6	1.24	N	N		nil
19	10	1986	C9	1.23	N	N		nil
19	10	1986	D2	1.29	N	N		nil
19	10	1986	D4	1.36	N	N		nil
19	10	1986	D7	1.25	N	N		nil
19	10	1986	D8	1.31	N	N		nil
19	10	1986	D11	1.24	N	N		nil
20	10	1986	C1	1.24	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
20	10	1986	C4	1.24	N	N		nil
20	10	1986	C6	1.24	N	N		nil
20	10	1986	C9	1.23	N	N		nil
20	10	1986	D2	1.28	N	N		nil
20	10	1986	D4	1.37	N	N		nil
20	10	1986	D7	1.24	N	N		nil
20	10	1986	D8	1.32	N	N		nil
20	10	1986	D11	1.23	N	N		nil
21	10	1986	C1	1.24	N	N		nil
21	10	1986	C4	1.24	N	N		nil
21	10	1986	C6	1.23	N	N		nil
21	10	1986	C9	1.22	N	N		nil
21	10	1986	D2	1.27	N	N		nil
21	10	1986	D4	1.36	N	N		nil
21	10	1986	D7	1.24	N	N		nil
21	10	1986	D8	1.31	N	N		nil
21	10	1986	D11	1.21	N	N		nil
22	10	1986	C1	1.23	N	N		nil
22	10	1986	C4	1.22	N	N		nil
22	10	1986	C6	1.22	N	N		nil
22	10	1986	C9	1.21	N	N		nil
22	10	1986	D2	1.25	N	N		nil
22	10	1986	D4	1.35	N	N		nil
22	10	1986	D7	1.23	N	N		nil
22	10	1986	D8	1.3	N	N		nil
22	10	1986	D11	1.19	N	N		nil
23	10	1986	C1	1.21	N	N		nil
23	10	1986	C4	1.21	N	N		nil
23	10	1986	C6	1.21	N	N		nil
23	10	1986	C9	1.2	N	N		nil
23	10	1986	D2	1.24	N	N		nil
23	10	1986	D4	1.34	N	N		nil
23	10	1986	D7	1.22	N	N		nil
23	10	1986	D8	1.29	N	N		nil
23	10	1986	D11	1.17	N	N		nil
24	10	1986	C1	1.2	N	N		nil
24	10	1986	C4	1.2	N	N		nil
24	10	1986	C6	1.2	N	N		nil
24	10	1986	C9	1.18	N	N		nil
24	10	1986	D2	1.22	N	N		nil
24	10	1986	D4	1.34	N	N		nil
24	10	1986	D7	1.21	N	N		nil
24	10	1986	D8	1.28	N	N		nil
24	10	1986	D11	1.16	N	N		nil
25	10	1986	C1	1.18	N	N		nil
25	10	1986	C4	1.18	N	N		nil
25	10	1986	C6	1.2	N	N		nil

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Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
25	10	1986	C9	1.17	N	N		nil
25	10	1986	D2	1.21	N	N		nil
25	10	1986	D4	1.33	N	N		nil
25	10	1986	D7	1.21	N	N		nil
25	10	1986	D8	1.27	N	N		nil
25	10	1986	D11	1.15	N	N		nil
26	10	1986	C1	1.2	N	N		nil
26	10	1986	C4	1.2	N	N		nil
26	10	1986	C6	1.2	N	N		nil
26	10	1986	C9	1.18	N	N		nil
26	10	1986	D2	1.22	N	N		nil
26	10	1986	D4	1.35	N	N		nil
26	10	1986	D7	1.23	N	N		nil
26	10	1986	D8	1.28	N	N		nil
26	10	1986	D11	1.16	N	N		nil
27	10	1986	C1	1.18	N	N		nil
27	10	1986	C4	1.18	N	N		nil
27	10	1986	C6	1.2	N	N		nil
27	10	1986	C9	1.18	N	N		nil
27	10	1986	D2	1.21	N	N		nil
27	10	1986	D4	1.34	N	N		nil
27	10	1986	D7	1.22	N	N		nil
27	10	1986	D8	1.27	N	N		nil
27	10	1986	D11	1.14	N	N		nil
28	10	1986	C1	1.17	N	N		nil
28	10	1986	C4	1.17	N	N		nil
28	10	1986	C6	1.2	N	N		nil
28	10	1986	C9	1.16	N	N		nil
28	10	1986	D2	1.2	N	N		nil
28	10	1986	D4	1.34	N	N		nil
28	10	1986	D7	1.21	N	N		nil
28	10	1986	D8	1.26	N	N		nil
28	10	1986	D11	1.14	N	N		nil
29	10	1986	C1	1.2	N	N		nil
29	10	1986	C4	1.2	N	N		nil
29	10	1986	C6	1.22	N	N		nil
29	10	1986	C9	1.18	N	N		nil
29	10	1986	D2	1.21	N	N		nil
29	10	1986	D4	1.36	N	N		nil
29	10	1986	D7	1.23	N	N		nil
29	10	1986	D8	1.3	N	N		nil
29	10	1986	D11	1.16	N	N		nil
30	10	1986	C1	1.22	N	N		nil
30	10	1986	C4	1.2	N	N		nil
30	10	1986	C6	1.22	N	N		nil
30	10	1986	C9	1.18	N	N		nil
30	10	1986	D2	1.22	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
30	10	1986	D4	1.37	N	N		nil
30	10	1986	D7	1.24	N	N		nil
30	10	1986	D8	1.31	N	N		nil
30	10	1986	D11	1.16	N	N		nil
31	10	1986	C1	1.22	N	N		nil
31	10	1986	C4	1.2	N	N		nil
31	10	1986	C6	1.22	N	N		nil
31	10	1986	C9	1.18	N	N		nil
31	10	1986	D2	1.21	N	N		nil
31	10	1986	D4	1.36	N	N		nil
31	10	1986	D7	1.24	N	N		nil
31	10	1986	D8	1.31	N	N		nil
31	10	1986	D11	1.15	N	N		nil
1	11	1986	C1	1.22	N	N		nil
1	11	1986	C4	1.2	N	N		nil
1	11	1986	C6	1.22	N	N		nil
1	11	1986	C9	1.18	N	N		nil
1	11	1986	D2	1.21	N	N		nil
1	11	1986	D4	1.36	N	N		nil
1	11	1986	D7	1.24	N	N		nil
1	11	1986	D8	1.32	N	N		nil
1	11	1986	D11	1.16	N	N		nil
2	11	1986	C1	1.21	N	N		nil
2	11	1986	C4	1.28	Y	N		nil
2	11	1986	C6	1.22	Y	N		nil
2	11	1986	C9	1.29	Y	N		nil
2	11	1986	D2	1.2	N	N		nil
2	11	1986	D4	1.36	N	N		nil
2	11	1986	D7	1.24	N	N		nil
2	11	1986	D8	1.32	N	N		nil
2	11	1986	D11	1.28	Y	N		nil
3	11	1986	C1	1.22	N	N		nil
3	11	1986	C4	1.27	N	N		nil
3	11	1986	C6	1.22	N	N		nil
3	11	1986	C9	1.28	N	N		nil
3	11	1986	D2	1.3	N	N		nil
3	11	1986	D4	1.36	N	N		nil
3	11	1986	D7	1.24	N	N		nil
3	11	1986	D8	1.33	N	N		nil
3	11	1986	D11	1.26	N	N		nil
4	11	1986	C1	1.22	N	N		nil
4	11	1986	C4	1.27	N	N		nil
4	11	1986	C6	1.22	N	N		nil
4	11	1986	C9	1.28	N	N		nil
4	11	1986	D2	1.3	N	N		nil
4	11	1986	D4	1.37	N	N		nil
4	11	1986	D7	1.24	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
4	11	1986	D8	1.36	N	N		nil
4	11	1986	D11	1.26	N	N		nil
5	11	1986	C1	1.22	N	N		nil
5	11	1986	C4	1.26	N	N		nil
5	11	1986	C6	1.22	N	N		nil
5	11	1986	C9	1.28	N	N		nil
5	11	1986	D2	1.28	N	N		nil
5	11	1986	D4	1.37	N	N		nil
5	11	1986	D7	1.25	N	N		nil
5	11	1986	D8	1.36	N	N		nil
5	11	1986	D11	1.24	N	N		nil
6	11	1986	C1	1.21	N	N		nil
6	11	1986	C4	1.24	N	N		nil
6	11	1986	C6	1.22	N	N		nil
6	11	1986	C9	1.26	N	N		nil
6	11	1986	D2	1.27	N	N		nil
6	11	1986	D4	1.36	N	N		nil
6	11	1986	D7	1.24	N	N		nil
6	11	1986	D8	1.35	N	N		nil
6	11	1986	D11	1.22	N	N		nil
7	11	1986	C1	1.2	N	N	4	nil
7	11	1986	C4	1.2	N	N	3	nil
7	11	1986	C6	1.21	N	N	3	nil
7	11	1986	C9	1.25	N	N	3	nil
7	11	1986	D2	1.26	N	N	3	nil
7	11	1986	D4	1.36	N	N	3	nil
7	11	1986	D7	1.24	N	N	3	nil
7	11	1986	D8	1.35	N	N	3	nil
7	11	1986	D11	1.2	N	N	3	nil
8	11	1986	C1	1.2	N	N		nil
8	11	1986	C4	1.24	N	N		nil
8	11	1986	C6	1.21	N	N		nil
8	11	1986	C9	1.24	N	N		nil
8	11	1986	D2	1.24	N	N		nil
8	11	1986	D4	1.35	N	N		nil
8	11	1986	D7	1.23	N	N		nil
8	11	1986	D8	1.34	N	N		nil
8	11	1986	D11	1.19	N	N		nil
9	11	1986	C1	1.18	N	N		nil
9	11	1986	C4	1.2	N	N		nil
9	11	1986	C6	1.2	N	N		nil
9	11	1986	C9	1.22	N	N		nil
9	11	1986	D2	1.23	N	N		nil
9	11	1986	D4	1.34	N	N		nil
9	11	1986	D7	1.23	N	N		nil
9	11	1986	D8	1.33	N	N		nil
9	11	1986	D11	1.18	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
10	11	1986	C1	1.29	Y	N		nil
10	11	1986	C4	1.19	N	N		nil
10	11	1986	C6	1.19	N	N		nil
10	11	1986	C9	1.21	N	N		nil
10	11	1986	D2	1.22	N	N		nil
10	11	1986	D4	1.34	N	N		nil
10	11	1986	D7	1.22	N	N		nil
10	11	1986	D8	1.32	N	N		nil
10	11	1986	D11	1.17	N	N		nil
11	11	1986	C1	1.28	N	N		nil
11	11	1986	C4	1.19	N	N		nil
11	11	1986	C6	1.19	N	N		nil
11	11	1986	C9	1.2	N	N		nil
11	11	1986	D2	1.21	N	N		nil
11	11	1986	D4	1.34	N	N		nil
11	11	1986	D7	1.22	N	N		nil
11	11	1986	D8	1.32	N	N		nil
11	11	1986	D11	1.16	N	N		nil
12	11	1986	C1	1.3	N	N		nil
12	11	1986	C4	1.2	N	N		nil
12	11	1986	C6	1.21	N	N		nil
12	11	1986	C9	1.22	N	N		nil
12	11	1986	D2	1.23	N	N		nil
12	11	1986	D4	1.35	N	N		nil
12	11	1986	D7	1.24	N	N		nil
12	11	1986	D8	1.34	N	N		nil
12	11	1986	D11	1.17	N	N		nil
13	11	1986	C1	1.29	N	N		nil
13	11	1986	C4	1.2	N	N		nil
13	11	1986	C6	1.21	N	N		nil
13	11	1986	C9	1.21	N	N		nil
13	11	1986	D2	1.22	N	N		nil
13	11	1986	D4	1.35	N	N		nil
13	11	1986	D7	1.24	N	N		nil
13	11	1986	D8	1.34	N	N		nil
13	11	1986	D11	1.17	N	N		nil
14	11	1986	C1	1.3	N	N		nil
14	11	1986	C4	1.21	N	N		nil
14	11	1986	C6	1.22	N	N		nil
14	11	1986	C9	1.23	N	N		nil
14	11	1986	D2	1.23	N	N		nil
14	11	1986	D4	1.36	N	N		nil
14	11	1986	D7	1.25	N	N		nil
14	11	1986	D8	1.36	N	N		nil
14	11	1986	D11	1.3	Y	N		nil
15	11	1986	C1	1.29	N	N		nil
15	11	1986	C4	1.22	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
15	11	1986	C6	1.23	N	N		nil
15	11	1986	C9	1.23	N	N		nil
15	11	1986	D2	1.23	N	N		nil
15	11	1986	D4	1.34	N	N		nil
15	11	1986	D7	1.25	N	N		nil
15	11	1986	D8	1.36	N	N		nil
15	11	1986	D11	1.28	N	N		nil
16	11	1986	C1	1.29	N	N		nil
16	11	1986	C4	1.21	N	N		nil
16	11	1986	C6	1.22	N	N		nil
16	11	1986	C9	1.22	N	N		nil
16	11	1986	D2	1.22	N	N		nil
16	11	1986	D4	1.36	N	N		nil
16	11	1986	D7	1.25	N	N		nil
16	11	1986	D8	1.36	N	N		nil
16	11	1986	D11	1.26	N	N		nil
17	11	1986	C1	1.28	N	N		nil
17	11	1986	C4	1.2	N	N		nil
17	11	1986	C6	1.22	N	N		nil
17	11	1986	C9	1.21	N	N		nil
17	11	1986	D2	1.21	N	N		nil
17	11	1986	D4	1.35	N	N		nil
17	11	1986	D7	1.24	N	N		nil
17	11	1986	D8	1.35	N	N		nil
17	11	1986	D11	1.24	N	N		nil
18	11	1986	C1	1.27	N	N		nil
18	11	1986	C4	1.29	N	N		nil
18	11	1986	C6	1.22	N	N		nil
18	11	1986	C9	1.21	N	N		nil
18	11	1986	D2	1.21	N	N		nil
18	11	1986	D4	1.36	N	N		nil
18	11	1986	D7	1.24	N	N		nil
18	11	1986	D8	1.34	N	N		nil
18	11	1986	D11	1.23	N	N		nil
19	11	1986	C1	1.26	N	N		nil
19	11	1986	C4	1.27	N	N		nil
19	11	1986	C6	1.21	N	N		nil.
19	11	1986	C9	1.2	N	N		nil
19	11	1986	D2	1.2	N	N		nil
19	11	1986	D4	1.35	N	N		nil
19	11	1986	D7	1.24	N	N		nil
19	11	1986	D8	1.26	N	N		nil
19	11	1986	D11	1.2	N	N		nil
20	11	1986	C1	1.25	N	N		nil
20	11	1986	C4	1.25	N	N		nil
20	11	1986	C6	1.21	N	N		nil
20	11	1986	C9	1.19	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
20	11	1986	D2	1.19	N	N		nil
20	11	1986	D4	1.35	N	N		nil
20	11	1986	D7	1.23	N	N		nil
20	11	1986	D8	1.25	N	N		nil
20	11	1986	D11	1.28	N	N		nil
21	11	1986	C1	1.25	N	N		nil
21	11	1986	C4	1.24	N	N		nil
21	11	1986	C6	1.2	N	N		nil
21	11	1986	C9	1.19	N	N		nil
21	11	1986	D2	1.18	N	N		nil
21	11	1986	D4	1.34	N	N		nil
21	11	1986	D7	1.23	N	N		nil
21	11	1986	D8	1.29	N	N		nil
21	11	1986	D11	1.25	N	N		nil
22	11	1986	C1	1.24	N	N		nil
22	11	1986	C4	1.24	N	N		nil
22	11	1986	C6	1.2	N	N		nil
22	11	1986	C9	1.19	N	N		nil
22	11	1986	D2	1.18	N	N		nil
22	11	1986	D4	1.34	N	N		nil
22	11	1986	D7	1.23	N	N		nil
22	11	1986	D8	1.29	N	N		nil
22	11	1986	D11	1.25	N	N		nil
23	11	1986	C1	1.24	N	N		nil
23	11	1986	C4	1.23	N	N		nil
23	11	1986	C6	1.21	N	N		nil
23	11	1986	C9	1.29	N	N		nil
23	11	1986	D2	1.29	N	N		nil
23	11	1986	D4	1.34	N	N		nil
23	11	1986	D7	1.23	N	N		nil
23	11	1986	D8	1.29	N	N		nil
23	11	1986	D11	1.24	N	N		nil
24	11	1986	C1	1.23	N	N		nil
24	11	1986	C4	1.23	N	N		nil
24	11	1986	C6	1.2	N	N		nil
24	11	1986	C9	1.28	N	N		nil
24	11	1986	D2	1.28	N	N		nil
24	11	1986	D4	1.34	N	N		nil
24	11	1986	D7	1.22	N	N		nil
24	11	1986	D8	1.29	N	N		nil
24	11	1986	D11	1.22	N	N		nil
25	11	1986	C1	1.23	N	N		nil
25	11	1986	C4	1.22	N	N		nil
25	11	1986	C6	1.3	Y	N		nil
25	11	1986	C9	1.27	N	N		nil
25	11	1986	D2	1.26	N	N		nil
25	11	1986	D4	1.34	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
25	11	1986	D7	1.22	N	N		nil
25	11	1986	D8	1.27	N	N		nil
25	11	1986	D11	1.21	N	N		nil
26	11	1986	C1	1.22	N	N		nil
26	11	1986	C4	1.2	N	N		nil
26	11	1986	C6	1.3	N	N		nil
26	11	1986	C9	1.26	N	N		nil
26	11	1986	D2	1.25	N	N		nil
26	11	1986	D4	1.33	N	N		nil
26	11	1986	D7	1.21	N	N		nil
26	11	1986	D8	1.24	N	N		nil
26	11	1986	D11	1.19	N	N		nil
27	11	1986	C1	1.2	N	N		nil
27	11	1986	C4	1.2	N	N		nil
27	11	1986	C6	1.3	N	N		nil
27	11	1986	C9	1.25	N	N		nil
27	11	1986	D2	1.24	N	N		nil
27	11	1986	D4	1.33	N	N		nil
27	11	1986	D7	1.2	N	N		nil
27	11	1986	D8	1.23	N	N		nil
27	11	1986	D11	1.28	Y	N		nil
28	11	1986	C1	1.28	Y	N		nil
28	11	1986	C4	1.19	N	N		nil
28	11	1986	C6	1.29	N	N		nil
28	11	1986	C9	1.23	N	N		nil
28	11	1986	D2	1.23	N	N		nil
28	11	1986	D4	1.33	N	N		nil
28	11	1986	D7	1.2	N	N		nil
28	11	1986	D8	1.26	N	N		nil
28	11	1986	D11	1.26	N	N		nil
29	11	1986	C1	1.26	N	N		nil
29	11	1986	C4	1.27	Y	N		nil
29	11	1986	C6	1.28	N	N		nil
29	11	1986	C9	1.22	N	N		nil
29	11	1986	D2	1.22	N	N		nil
29	11	1986	D4	1.32	N	N		nil
29	11	1986	D7	1.28	Y	N		nil
29	11	1986	D8	1.26	N	N		nil
29	11	1986	D11	1.24	N	N		nil
30	11	1986	C1	1.26	N	N		nil
30	11	1986	C4	1.26	N	N		nil
30	11	1986	C6	1.27	N	N		nil
30	11	1986	C9	1.21	N	N		nil
30	11	1986	D2	1.21	N	N		nil
30	11	1986	D4	1.32	N	N		nil
30	11	1986	D7	1.29	N	N		nil
30	11	1986	D8	1.27	N	N		nil

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	LEAD#	SPECIES
30	11	1986	D11	1.22	N	N		nil
1	12	1986	C1	1.25	N	N		nil
1	12	1986	C4	1.25	N	N		nil
1	12	1986	C6	1.27	N	N		nil
1	12	1986	C9	1.21	N	N		nil
1	12	1986	D2	1.21	N	N		nil
1	12	1986	D4	1.32	N	N		nil
1	12	1986	D7	1.28	N	N		nil
1	12	1986	D8	1.28	N	N		nil
2	12	1986	D11	1.21	N	N		nil
2	12	1986	C1	1.24	N	N		nil
2	12	1986	C4	1.24	N	N		nil
2	12	1986	C6	1.26	N	N		nil
2	12	1986	C9	1.2	N	N		nil
2	12	1986	D2	1.2	N	N		nil
2	12	1986	D4	1.32	N	N		nil
2	12	1986	D7	1.27	N	N		nil
2	12	1986	D8	1.28	N	N		nil
2	12	1986	D11	1.2	N	N		nil
3	12	1986	C1	1.24	N	N	4	nil
3	12	1986	C4	1.23	N	N	3	nil
3	12	1986	C6	1.25	N	N	3	nil
3	12	1986	C9	1.2	N	N	3	nil
3	12	1986	D2	1.2	N	N	3	nil
3	12	1986	D4	1.32	N	N	3	nil
3	12	1986	D7	1.26	N	N	3	nil
3	12	1986	D8	1.29	N	N	3	nil
3	12	1986	D11	1.2	N	N	3	nil

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Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
22	12	1985	C1	1.16	N	N
22	12	1985	C4	1.18	N	N
22	12	1985	C6	1.27	N	N
22	12	1985	C9	1.25	N	N
22	12	1985	D2	1.19	N	N
22	12	1985	D4	1.22	N	N
22	12	1985	D7	1.24	N	N
22	12	1985	D8	1.32	N	N
22	12	1985	D11	1.17	N	N
23	12	1985	C1	1.12	N	N
23	12	1985	C4	1.14	N	N
23	12	1985	C6	1.24	N	N
23	12	1985	C9	1.23	N	N
23	12	1985	D2	1.17	N	N
23	12	1985	D4	1.21	N	N
23	12	1985	D7	1.22	N	N
23	12	1985	D8	1.3	N	N
23	12	1985	D11	1.13	N	N
24	12	1985	C1	1.1	N	N
24	12	1985	C4	1.1	N	N
24	12	1985	C6	1.2	N	N
24	12	1985	C9	1.22	N	N
24	12	1985	D2	1.16	N	N
24	12	1985	D4	1.21	N	N
24	12	1985	D7	1.2	N	N
24	12	1985	D8	1.28	N	N
24	12	1985	D11	1.11	N	N
25	12	1985	C1	1.27	Y	N
25	12	1985	C4	1.27	Y	N
25	12	1985	C6	1.27	Y	N
25	12	1985	C9	1.2	N	N
25	12	1985	D2	1.16	N	N
25	12	1985	D4	1.2	N	N
25	12	1985	D7	1.18	N	N
25	12	1985	D8	1.26	N	N
25	12	1985	D11	1.08	N	N
26	12	1985	C1	1.23	N	N
26	12	1985	C4	1.22	N	N
26	12	1985	C6	1.23	N	N
26	12	1985	C9	1.18	N	N
26	12	1985	D2	1.15	N	N
26	12	1985	D4	1.29	Y	N
26	12	1985	D7	1.16	N	N
26	12	1985	D8	1.25	N	N
26	12	1985	D11	1.25	Y	N
27	12	1985	C1	1.19	N	N
27	12	1985	C4	1.17	N	N
27	12	1985	C6	1.2	N	N
27	12	1985	C9	1.16	N	N
27	12	1985	D2	1.27	N	N
27	12	1985	D4	1.27	N	N
27	12	1985	D7	1.26	Y	N
27	12	1985	D8	1.24	N	N
27	12	1985	D11	1.19	N	N
28	12	1985	C1	1.19	N	N
28	12	1985	C4	1.3	Y	N
28	12	1985	C6	1.2	N	N
28	12	1985	C9	1.33	Y	N
28	12	1985	D2	1.28	Y	N
28	12	1985	D4	1.3	Y	N
28	12	1985	D7	1.27	N	N
28	12	1985	D8	1.27	Y	N
28	12	1985	D11	1.19	N	N
29	12	1985	C1	1.27	Y	N
29	12	1985	C4	1.24	N	N
29	12	1985	C6	1.16	N	N
29	12	1985	C9	1.31	N	N
29	12	1985	D2	1.25	N	N
29	12	1985	D4	1.28	N	N
29	12	1985	D7	1.24	N	N
29	12	1985	D8	1.26	N	N
29	12	1985	D11	1.24	Y	N
30	12	1985	C1	1.24	N	N
30	12	1985	C4	1.2	N	N
30	12	1985	C6	1.27	Y	N
30	12	1985	C9	1.3	N	N
30	12	1985	D2	1.23	N	N
30	12	1985	D4	1.28	N	N
30	12	1985	D7	1.22	N	N
30	12	1985	D8	1.25	N	N
30	12	1985	D11	1.2	N	N
31	12	1985	C1	1.2	N	N
31	12	1985	C4	1.15	N	N
31	12	1985	C6	1.23	N	N
31	12	1985	C9	1.28	N	N
31	12	1985	D2	1.2	N	N
31	12	1985	D4	1.27	N	N
31	12	1985	D7	1.2	N	N
31	12	1985	D8	1.24	N	N
31	12	1985	D11	1.16	N	N
1	1	1986	C1	1.19	N	N
1	1	1986	C4	1.14	N	N
1	1	1986	C6	1.23	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
1	1	1986	C9	1.29	N	N
1	1	1986	D2	1.22	N	N
1	1	1986	D4	1.28	N	N
1	1	1986	D7	1.21	N	N
1	1	1986	D8	1.23	N	N
1	1	1986	D11	1.14	N	N
2	1	1986	C1	1.19	N	N
2	1	1986	C4	1.15	N	N
2	1	1986	C6	1.24	N	N
2	1	1986	C9	1.32	N	N
2	1	1986	D2	1.25	N	N
2	1	1986	D4	1.32	N	N
2	1	1986	D7	1.25	N	N
2	1	1986	D8	1.28	N	N
2	1	1986	D11	1.16	N	N
3	1	1986	C1	1.16	N	N
3	1	1986	C4	1.1	N	N
3	1	1986	C6	1.2	N	N
3	1	1986	C9	1.3	N	N
3	1	1986	D2	1.23	N	N
3	1	1986	D4	1.31	N	N
3	1	1986	D7	1.2	N	N
3	1	1986	D8	1.28	N	N
3	1	1986	D11	1.12	N	N
4	1	1986	C1	1.13	N	N
4	1	1986	C4	1.07	N	N
4	1	1986	C6	1.18	N	N
4	1	1986	C9	1.29	N	N
4	1	1986	D2	1.23	N	N
4	1	1986	D4	1.31	N	N
4	1	1986	D7	1.19	N	N
4	1	1986	D8	1.26	N	N
4	1	1986	D11	1.1	N	N
5	1	1986	C1	1.27	Y	N
5	1	1986	C4	1.26	Y	N
5	1	1986	C6	1.28	Y	N
5	1	1986	C9	1.27	N	N
5	1	1986	D2	1.3	Y	N
5	1	1986	D4	1.29	N	N
5	1	1986	D7	1.17	N	N
5	1	1986	D8	1.25	N	N
5	1	1986	D11	1.25	Y	N
6	1	1986	C1	1.23	N	N
6	1	1986	C4	1.21	N	N
6	1	1986	C6	1.24	N	N
6	1	1986	C9	1.26	N	N
6	1	1986	D2	1.27	N	N
6	1	1986	D4	1.29	N	N
6	1	1986	D7	1.27	Y	N
6	1	1986	D8	1.25	N	N
6	1	1986	D11	1.2	N	N
7	1	1986	C1	1.19	N	N
7	1	1986	C4	1.15	N	N
7	1	1986	C6	1.2	N	N
7	1	1986	C9	1.24	N	N
7	1	1986	D2	1.24	N	N
7	1	1986	D4	1.28	N	N
7	1	1986	D7	1.24	N	N
7	1	1986	D8	1.24	N	N
7	1	1986	D11	1.16	N	N
8	1	1986	C1	1.15	N	N
8	1	1986	C4	1.11	N	N
8	1	1986	C6	1.16	N	N
8	1	1986	C9	1.22	N	N
8	1	1986	D2	1.22	N	N
8	1	1986	D4	1.16	N	N
8	1	1986	D7	1.21	N	N
8	1	1986	D8	1.22	N	N
8	1	1986	D11	1.12	N	N
9	1	1986	C1	1.11	N	N
9	1	1986	C4	1.27	Y	N
9	1	1986	C6	1.27	Y	N
9	1	1986	C9	1.3	Y	N
9	1	1986	D2	1.28	Y	N
9	1	1986	D4	1.26	Y	N
9	1	1986	D7	1.2	N	N
9	1	1986	D8	1.22	N	N
9	1	1986	D11	1.1	N	N
10	1	1986	C1	1.11	N	N
10	1	1986	C4	1.21	N	N
10	1	1986	C6	1.22	N	N
10	1	1986	C9	1.27	N	N
10	1	1986	D2	1.24	N	N
10	1	1986	D4	1.24	N	N
10	1	1986	D7	1.17	N	N
10	1	1986	D8	1.2	N	N
10	1	1986	D11	1.06	N	N
11	1	1986	C1	1.26	Y	N
11	1	1986	C4	1.15	N	N
11	1	1986	C6	1.19	N	N
11	1	1986	C9	1.24	N	N
11	1	1986	D2	1.21	N	N
11	1	1986	D4	1.22	N	N
11	1	1986	D7	1.27	Y	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
11	1	1986	D8	1.2	N	N
11	1	1986	D11	1.25	Y	N
12	1	1986	C1	1.21	N	N
12	1	1986	C4	1.26	Y	N
12	1	1986	C6	1.15	N	N
12	1	1986	C9	1.21	N	N
12	1	1986	D2	1.18	N	N
12	1	1986	D4	1.2	N	N
12	1	1986	D7	1.24	N	N
12	1	1986	D8	1.19	N	N
12	1	1986	D11	1.2	N	N
13	1	1986	C1	1.16	N	N
13	1	1986	C4	1.2	Y	N
13	1	1986	C6	1.11	N	N
13	1	1986	C9	1.19	Y	N
13	1	1986	D2	1.15	Y	N
13	1	1986	D4	1.17	Y	N
13	1	1986	D7	1.22	Y	N
13	1	1986	D8	1.31	Y	N
13	1	1986	D11	1.15	N	N
14	1	1986	C1	1.12	N	N
14	1	1986	C4	1.14	N	N
14	1	1986	C6	1.08	N	N
14	1	1986	C9	1.16	N	N
14	1	1986	D2	1.12	N	N
14	1	1986	D4	1.27	Y	N
14	1	1986	D7	1.2	N	N
14	1	1986	D8	1.3	N	N
14	1	1986	D11	1.25	Y	N
15	1	1986	C1	1.08	N	N
15	1	1986	C4	1.1	N	N
15	1	1986	C6	1.05	N	N
15	1	1986	C9	1.14	N	N
15	1	1986	D2	1.1	N	N
15	1	1986	D4	1.25	N	N
15	1	1986	D7	1.18	N	N
15	1	1986	D8	1.28	N	N
15	1	1986	D11	1.18	N	N
16	1	1986	C1	1.05	N	N
16	1	1986	C4	1.07	N	N
16	1	1986	C6	1.04	N	N
16	1	1986	C9	1.13	N	N
16	1	1986	D2	1.09	N	N
16	1	1986	D4	1.25	N	N
16	1	1986	D7	1.18	N	N
16	1	1986	D8	1.28	N	N
16	1	1986	D11	1.18	N	N
17	1	1986	C1	1.04	N	N
17	1	1986	C4	1.02	N	N
17	1	1986	C6	1.01	N	N
17	1	1986	C9	1.12	N	N
17	1	1986	D2	1.	N	N
17	1	1986	D4	1.24	N	N
17	1	1986	D7	1.17	N	N
17	1	1986	D8	1.28	N	N
17	1	1986	D11	1.18	N	N
18	1	1986	C1	1.3	Y	N
18	1	1986	C4	1.29	Y	N
18	1	1986	C6	1.28	Y	N
18	1	1986	C9	1.11	N	N
18	1	1986	D2	1.27	Y	N
18	1	1986	D4	1.23	N	N
18	1	1986	D7	1.17	N	N
18	1	1986	D8	1.28	N	N
18	1	1986	D11	1.18	N	N
19	1	1986	C1	1.3	N	N
19	1	1986	C4	1.28	N	N
19	1	1986	C6	1.26	N	N
19	1	1986	C9	1.28	Y	N
19	1	1986	D2	1.24	N	N
19	1	1986	D4	1.23	N	N
19	1	1986	D7	1.16	N	N
19	1	1986	D8	1.28	N	N
19	1	1986	D11	1.16	N	N
20	1	1986	C1	1.29	N	N
20	1	1986	C4	1.26	N	N
20	1	1986	C6	1.24	N	N
20	1	1986	C9	1.27	N	N
20	1	1986	D2	1.22	N	N
20	1	1986	D4	1.23	N	N
20	1	1986	D7	1.27	Y	N
20	1	1986	D8	1.28	N	N
20	1	1986	D11	1.27	Y	N
21	1	1986	C1	1.28	N	N
21	1	1986	C4	1.25	N	N
21	1	1986	C6	1.22	N	N
21	1	1986	C9	1.26	N	N
21	1	1986	D2	1.2	N	N
21	1	1986	D4	1.23	N	N
21	1	1986	D7	1.25	N	N
21	1	1986	D8	1.28	N	N
21	1	1986	D11	1.23	N	N
22	1	1986	C1	1.27	N	N
22	1	1986	C4	1.23	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
22	1	1986	C6	1.2	N	N
22	1	1986	C9	1.24	N	N
22	1	1986	D2	1.26	N	N
22	1	1986	D4	1.22	N	N
22	1	1986	D7	1.23	N	N
22	1	1986	D8	1.28	N	N
22	1	1986	D11	1.2	N	N
23	1	1986	C1	1.27	N	N
23	1	1986	C4	1.24	N	N
23	1	1986	C6	1.2	N	N
23	1	1986	C9	1.24	N	N
23	1	1986	D2	1.24	N	N
23	1	1986	D4	1.23	N	N
23	1	1986	D7	1.22	N	N
23	1	1986	D8	1.3	N	N
23	1	1986	D11	1.27	Y	N
24	1	1986	C1	1.27	N	N
24	1	1986	C4	1.23	N	N
24	1	1986	C6	1.19	N	N
24	1	1986	C9	1.24	N	N
24	1	1986	D2	1.23	N	N
24	1	1986	D4	1.23	N	N
24	1	1986	D7	1.21	N	N
24	1	1986	D8	1.3	N	N
24	1	1986	D11	1.24	N	N
25	1	1986	C1	1.26	N	N
25	1	1986	C4	1.22	N	N
25	1	1986	C6	1.18	N	N
25	1	1986	C9	1.22	N	N
25	1	1986	D2	1.06	N	N
25	1	1986	D4	1.23	N	N
25	1	1986	D7	1.2	N	N
25	1	1986	D8	1.3	N	N
25	1	1986	D11	1.21	N	N
26	1	1986	C1	1.25	N	N
26	1	1986	C4	1.21	N	N
26	1	1986	C6	1.16	N	N
26	1	1986	C9	1.21	N	N
26	1	1986	D2	1.27	Y	N
26	1	1986	D4	1.24	N	N
26	1	1986	D7	1.2	N	N
26	1	1986	D8	1.3	N	N
26	1	1986	D11	1.19	N	N
27	1	1986	C1	1.24	N	N
27	1	1986	C4	1.2	N	N
27	1	1986	C6	1.3	Y	N
27	1	1986	C9	1.2	N	N
27	1	1986	D2	1.25	N	N
27	1	1986	D4	1.23	N	N
27	1	1986	D7	1.18	N	N
27	1	1986	D8	1.29	N	N
27	1	1986	D11	1.17	N	N
28	1	1986	C1	1.22	N	N
28	1	1986	C4	1.2	N	N
28	1	1986	C6	1.28	N	N
28	1	1986	C9	1.19	N	N
28	1	1986	D2	1.22	N	N
28	1	1986	D4	1.23	N	N
28	1	1986	D7	1.29	Y	N
28	1	1986	D8	1.29	N	N
28	1	1986	D11	1.27	Y	N
29	1	1986	C1	1.23	N	N
29	1	1986	C4	1.31	Y	N
29	1	1986	C6	1.27	N	N
29	1	1986	C9	1.31	Y	N
29	1	1986	D2	1.23	N	N
29	1	1986	D4	1.25	N	N
29	1	1986	D7	1.28	N	N
29	1	1986	D8	1.3	N	N
29	1	1986	D11	1.24	N	N
30	1	1986	C1	1.23	N	N
30	1	1986	C4	1.3	N	N
30	1	1986	C6	1.25	N	N
30	1	1986	C9	1.3	N	N
30	1	1986	D2	1.22	N	N
30	1	1986	D4	1.25	N	N
30	1	1986	D7	1.26	N	N
30	1	1986	D8	1.3	N	N
30	1	1986	D11	1.22	N	N
31	1	1986	C1	1.22	N	N
31	1	1986	C4	1.28	N	N
31	1	1986	C6	1.23	N	N
31	1	1986	C9	1.29	N	N
31	1	1986	D2	1.21	N	N
31	1	1986	D4	1.24	N	N
31	1	1986	D7	1.24	N	N
31	1	1986	D8	1.29	N	N
31	1	1986	D11	1.2	N	N
1	2	1986	C1	1.22	N	N
1	2	1986	C4	1.27	N	N
1	2	1986	C6	1.22	N	N
1	2	1986	C9	1.28	N	N
1	2	1986	D2	1.2	N	N
1	2	1986	D4	1.24	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
1	2	1986	D7	1.22	N	N
1	2	1986	D8	1.29	N	N
1	2	1986	D11	1.18	N	N
2	2	1986	C1	1.21	N	N
2	2	1986	C4	1.25	N	N
2	2	1986	C6	1.28	N	N
2	2	1986	C9	1.3	N	N
2	2	1986	D2	1.28	N	N
2	2	1986	D4	1.25	N	N
2	2	1986	D7	1.2	N	N
2	2	1986	D8	1.29	N	N
2	2	1986	D11	1.17	N	N
3	2	1986	C1	1.21	N	N
3	2	1986	C4	1.3	Y	N
3	2	1986	C6	1.25	N	N
3	2	1986	C9	1.29	N	N
3	2	1986	D2	1.25	N	N
3	2	1986	D4	1.25	N	N
3	2	1986	D7	1.2	N	N
3	2	1986	D8	1.29	N	N
3	2	1986	D11	1.27	N	N
4	2	1986	C1	1.2	N	N
4	2	1986	C4	1.29	N	N
4	2	1986	C6	1.23	N	N
4	2	1986	C9	1.28	N	N
4	2	1986	D2	1.23	N	N
4	2	1986	D4	1.25	N	N
4	2	1986	D7	1.27	Y	N
4	2	1986	D8	1.29	N	N
4	2	1986	D11	1.23	N	N
5	2	1986	C1	1.3	Y	N
5	2	1986	C4	1.27	N	N
5	2	1986	C6	1.21	N	N
5	2	1986	C9	1.26	N	N
5	2	1986	D2	1.22	N	N
5	2	1986	D4	1.25	N	N
5	2	1986	D7	1.25	N	N
5	2	1986	D8	1.29	N	N
5	2	1986	D11	1.21	N	N
6	2	1986	C1	1.32	N	N
6	2	1986	C4	1.28	N	N
6	2	1986	C6	1.23	N	N
6	2	1986	C9	1.28	N	N
6	2	1986	D2	1.22	N	N
6	2	1986	D4	1.29	N	N
6	2	1986	D7	1.26	N	N
6	2	1986	D8	1.31	N	N
6	2	1986	D11	1.21	N	N
7	2	1986	C1	1.31	N	N
7	2	1986	C4	1.27	N	N
7	2	1986	C6	1.21	N	N
7	2	1986	C9	1.27	N	N
7	2	1986	D2	1.21	N	N
7	2	1986	D4	1.29	N	N
7	2	1986	D7	1.24	N	N
7	2	1986	D8	1.31	N	N
7	2	1986	D11	1.19	N	N
8	2	1986	C1	1.29	N	N
8	2	1986	C4	1.25	N	N
8	2	1986	C6	1.2	N	N
8	2	1986	C9	1.27	N	N
8	2	1986	D2	1.18	N	N
8	2	1986	D4	1.29	N	N
8	2	1986	D7	1.22	N	N
8	2	1986	D8	1.29	N	N
8	2	1986	D11	1.21	N	N
9	2	1986	C1	1.29	N	N
9	2	1986	C4	1.24	N	N
9	2	1986	C6	1.18	N	N
9	2	1986	C9	1.25	N	N
9	2	1986	D2	1.17	N	N
9	2	1986	D4	1.28	N	N
9	2	1986	D7	1.2	N	N
9	2	1986	D8	1.3	N	N
9	2	1986	D11	1.24	N	N
10	2	1986	C1	1.27	N	N
10	2	1986	C4	1.23	N	N
10	2	1986	C6	1.17	N	N
10	2	1986	C9	1.23	N	N
10	2	1986	D2	1.16	N	N
10	2	1986	D4	1.29	N	N
10	2	1986	D7	1.2	N	N
10	2	1986	D8	1.3	N	N
10	2	1986	D11	1.22	N	N
11	2	1986	C1	1.26	N	N
11	2	1986	C4	1.22	N	N
11	2	1986	C6	1.28	Y	N
11	2	1986	C9	1.22	N	N
11	2	1986	D2	1.27	N	N
11	2	1986	D4	1.29	N	N
11	2	1986	D7	1.18	N	N
11	2	1986	D8	1.29	N	N
11	2	1986	D11	1.2	N	N
12	2	1986	C1	1.25	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
12	2	1986	C4	1.21	N	N
12	2	1986	C6	1.26	N	N
12	2	1986	C9	1.21	N	N
12	2	1986	D2	1.25	N	N
12	2	1986	D4	1.3	N	N
12	2	1986	D7	1.27	Y	N
12	2	1986	D8	1.29	N	N
12	2	1986	D11	1.28	Y	N
13	2	1986	C1	1.25	N	N
13	2	1986	C4	1.2	N	N
13	2	1986	C6	1.25	N	N
13	2	1986	C9	1.2	N	N
13	2	1986	D2	1.22	N	N
13	2	1986	D4	1.32	N	N
13	2	1986	D7	1.25	N	N
13	2	1986	D8	1.3	N	N
13	2	1986	D11	1.23	N	N
14	2	1986	C1	1.25	N	N
14	2	1986	C4	1.2	N	N
14	2	1986	C6	1.25	N	N
14	2	1986	C9	1.2	N	N
14	2	1986	D2	1.22	N	N
14	2	1986	D4	1.32	N	N
14	2	1986	D7	1.25	N	N
14	2	1986	D8	1.3	N	N
14	2	1986	D11	1.23	N	N
15	2	1986	C1	1.23	N	N
15	2	1986	C4	1.24	N	N
15	2	1986	C6	1.23	N	N
15	2	1986	C9	1.25	N	N
15	2	1986	D2	1.2	N	N
15	2	1986	D4	1.32	N	N
15	2	1986	D7	1.23	N	N
15	2	1986	D8	1.29	N	N
15	2	1986	D11	1.21	N	N
16	2	1986	C1	1.22	N	N
16	2	1986	C4	1.23	N	N
16	2	1986	C6	1.22	N	N
16	2	1986	C9	1.24	N	N
16	2	1986	D2	1.18	N	N
16	2	1986	D4	1.32	N	N
16	2	1986	D7	1.21	N	N
16	2	1986	D8	1.29	N	N
16	2	1986	D11	1.19	N	N
17	2	1986	C1	1.21	N	N
17	2	1986	C4	1.22	N	N
17	2	1986	C6	1.21	N	N
17	2	1986	C9	1.22	N	N
17	2	1986	D2	1.17	N	N
17	2	1986	D4	1.31	N	N
17	2	1986	D7	1.2	N	N
17	2	1986	D8	1.29	N	N
17	2	1986	D11	1.17	N	N
18	2	1986	C1	1.2	N	N
18	2	1986	C4	1.21	N	N
18	2	1986	C6	1.2	N	N
18	2	1986	C9	1.21	N	N
18	2	1986	D2	1.16	N	N
18	2	1986	D4	1.31	N	N
18	2	1986	D7	1.19	N	N
18	2	1986	D8	1.28	N	N
18	2	1986	D11	1.27	Y	N
19	2	1986	C1	1.19	N	N
19	2	1986	C4	1.2	N	N
19	2	1986	C6	1.18	Y	N
19	2	1986	C9	1.2	N	N
19	2	1986	D2	1.15	N	N
19	2	1986	D4	1.31	N	N
19	2	1986	D7	1.28	Y	N
19	2	1986	D8	1.28	N	N
19	2	1986	D11	1.24	N	N
20	2	1986	C1	1.28	Y	N
20	2	1986	C4	1.18	N	N
20	2	1986	C6	1.17	N	N
20	2	1986	C9	1.19	N	N
20	2	1986	D2	1.13	N	N
20	2	1986	D4	1.3	N	N
20	2	1986	D7	1.25	N	N
20	2	1986	D8	1.28	N	N
20	2	1986	D11	1.21	N	N
21	2	1986	C1	1.3	N	N
21	2	1986	C4	1.17	N	N
21	2	1986	C6	1.16	N	N
21	2	1986	C9	1.17	N	N
21	2	1986	D2	1.11	N	N
21	2	1986	D4	1.3	N	N
21	2	1986	D7	1.23	N	N
21	2	1986	D8	1.28	N	N
21	2	1986	D11	1.19	N	N
22	2	1986	C1	1.3	N	N
22	2	1986	C4	1.16	N	N
22	2	1986	C6	1.14	N	N
22	2	1986	C9	1.16	N	N
22	2	1986	D2	1.1	N	N

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Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
22	2	1986	D4	1.3	N	N
22	2	1986	D7	1.21	N	N
22	2	1986	D8	1.27	N	N
22	2	1986	D11	1.27	Y	N
23	2	1986	C1	1.28	N	N
23	2	1986	C4	1.15	N	N
23	2	1986	C6	1.14	N	N
23	2	1986	C9	1.15	N	N
23	2	1986	D2	1.08	N	N
23	2	1986	D4	1.3	N	N
23	2	1986	D7	1.2	N	N
23	2	1986	D8	1.27	N	N
23	2	1986	D11	1.23	N	N
24	2	1986	C1	1.27	N	N
24	2	1986	C4	1.14	N	N
24	2	1986	C6	1.12	N	N
24	2	1986	C9	1.14	N	N
24	2	1986	D2	1.06	N	N
24	2	1986	D4	1.29	N	N
24	2	1986	D7	1.18	N	N
24	2	1986	D8	1.26	N	N
24	2	1986	D11	1.21	N	N
25	2	1986	C1	1.26	N	N
25	2	1986	C4	1.13	N	N
25	2	1986	C6	1.1	N	N
25	2	1986	C9	1.12	N	N
25	2	1986	D2	1.05	N	N
25	2	1986	D4	1.28	N	N
25	2	1986	D7	1.18	N	N
25	2	1986	D8	1.26	N	N
25	2	1986	D11	1.19	N	N
26	2	1986	C1	1.24	N	N
26	2	1986	C4	1.12	N	N
26	2	1986	C6	1.1	N	N
26	2	1986	C9	1.11	N	N
26	2	1986	D2	1.04	N	N
26	2	1986	D4	1.28	N	N
26	2	1986	D7	1.18	N	N
26	2	1986	D8	1.26	N	N
26	2	1986	D11	1.17	N	N
27	2	1986	C1	1.23	N	N
27	2	1986	C4	1.11	N	N
27	2	1986	C6	1.09	N	N
27	2	1986	C9	1.1	N	N
27	2	1986	D2	1.03	N	N
27	2	1986	D4	1.27	N	N
27	2	1986	D7	1.3	N	N
27	2	1986	D8	1.25	N	N
27	2	1986	D11	1.25	N	N
28	2	1986	C1	1.25	N	N
28	2	1986	C4	1.13	N	N
28	2	1986	C6	1.1	N	N
28	2	1986	C9	1.11	N	N
28	2	1986	D2	1.04	N	N
28	2	1986	D4	1.3	N	N
28	2	1986	D7	1.3	N	N
28	2	1986	D8	1.27	N	N
28	2	1986	D11	1.24	N	N
1	3	1986	C1	1.25	N	N
1	3	1986	C4	1.12	N	N
1	3	1986	C6	1.09	N	N
1	3	1986	C9	1.11	N	N
1	3	1986	D2	1.03	N	N
1	3	1986	D4	1.3	N	N
1	3	1986	D7	1.3	N	N
1	3	1986	D8	1.27	N	N
1	3	1986	D11	1.21	N	N
2	3	1986	C1	1.24	N	N
2	3	1986	C4	1.11	N	N
2	3	1986	C6	1.08	N	N
2	3	1986	C9	1.1	N	N
2	3	1986	D2	1.27	N	N
2	3	1986	D4	1.29	N	N
2	3	1986	D7	1.28	N	N
2	3	1986	D8	1.28	N	N
2	3	1986	D11	1.19	N	N
3	3	1986	C1	1.23	N	N
3	3	1986	C4	1.1	N	N
3	3	1986	C6	1.07	N	N
3	3	1986	C9	1.27	N	N
3	3	1986	D2	1.24	N	N
3	3	1986	D4	1.29	N	N
3	3	1986	D7	1.26	N	N
3	3	1986	D8	1.27	N	N
3	3	1986	D11	1.16	N	N
4	3	1986	C1	1.22	N	N
4	3	1986	C4	1.1	N	N
4	3	1986	C6	1.28	Y	N
4	3	1986	C9	1.26	N	N
4	3	1986	D2	1.22	N	N
4	3	1986	D4	1.29	N	N
4	3	1986	D7	1.24	N	N
4	3	1986	D8	1.27	N	N
4	3	1986	D11	1.26	Y	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
5	3	1986	C1	1.24	N	N
5	3	1986	C4	1.13	N	N
5	3	1986	C6	1.29	N	N
5	3	1986	C9	1.28	N	N
5	3	1986	D2	1.23	N	N
5	3	1986	D4	1.32	N	N
5	3	1986	D7	1.25	N	N
5	3	1986	D8	1.29	N	N
5	3	1986	D11	1.25	N	N
6	3	1986	C1	1.24	N	N
6	3	1986	C4	1.13	N	N
6	3	1986	C6	1.28	N	N
6	3	1986	C9	1.27	N	N
6	3	1986	D2	1.21	N	N
6	3	1986	D4	1.32	N	N
6	3	1986	D7	1.24	N	N
6	3	1986	D8	1.29	N	N
6	3	1986	D11	1.23	N	N
7	3	1986	C1	1.25	N	N
7	3	1986	C4	1.14	N	N
7	3	1986	C6	1.28	N	N
7	3	1986	C9	1.28	N	N
7	3	1986	D2	1.22	N	N
7	3	1986	D4	1.33	N	N
7	3	1986	D7	1.25	N	N
7	3	1986	D8	1.3	N	N
7	3	1986	D11	1.22	N	N
8	3	1986	C1	1.24	N	N
8	3	1986	C4	1.14	N	N
8	3	1986	C6	1.26	N	N
8	3	1986	C9	1.27	N	N
8	3	1986	D2	1.21	N	N
8	3	1986	D4	1.32	N	N
8	3	1986	D7	1.24	N	N
8	3	1986	D8	1.3	N	N
8	3	1986	D11	1.2	N	N
9	3	1986	C1	1.24	N	N
9	3	1986	C4	1.2	N	N
9	3	1986	C6	1.24	N	N
9	3	1986	C9	1.24	N	N
9	3	1986	D2	1.18	N	N
9	3	1986	D4	1.32	N	N
9	3	1986	D7	1.2	N	N
9	3	1986	D8	1.29	N	N
9	3	1986	D11	1.18	N	N
10	3	1986	C1	1.23	N	N
10	3	1986	C4	1.14	N	N
10	3	1986	C6	1.24	N	N
10	3	1986	C9	1.26.	N	N
10	3	1986	D2	1.17	N	N
10	3	1986	D4	1.33	N	N
10	3	1986	D7	1.22	N	N
10	3	1986	D8	1.29	N	N
10	3	1986	D11	1.18	N	N
11	3	1986	C1	1.22	N	N
11	3	1986	C4	1.13	N	N
11	3	1986	C6	1.23	N	N
11	3	1986	C9	1.25	N	N
11	3	1986	D2	1.15	N	N
11	3	1986	D4	1.32	N	N
11	3	1986	D7	1.21	N	N
11	3	1986	D8	1.28	N	N
11	3	1986	D11	1.16	N	N
12	3	1986	C1	1.21	N	N
12	3	1986	C4	1.13	N	N
12	3	1986	C6	1.21	N	N
12	3	1986	C9	1.24	N	N
12	3	1986	D2	1.14	N	N
12	3	1986	D4	1.32	N	N
12	3	1986	D7	1.21	N	N
12	3	1986	D8	1.28	N	N
12	3	1986	D11	1.15	N	N
13	3	1986	C1	1.2	N	N
13	3	1986	C4	1.12	N	N
13	3	1986	C6	1.2	N	N
13	3	1986	C9	1.23	N	N
13	3	1986	D2	1.13	N	N
13	3	1986	D4	1.32	N	N
13	3	1986	D7	1.2	N	N
13	3	1986	D8	1.28	N	N
13	3	1986	D11	1.25	Y	N
14	3	1986	C1	1.2	N	N
14	3	1986	C4	1.12	N	N
14	3	1986	C6	1.2	N	N
14	3	1986	C9	1.22	N	N
14	3	1986	D2	1.12	N	N
14	3	1986	D4	1.32	N	N
14	3	1986	D7	1.2	N	N
14	3	1986	D8	1.28	N	N
14	3	1986	D11	1.22	N	N
15	3	1986	C1	1.19	N	N
15	3	1986	C4	1.12	N	N
15	3	1986	C6	1.19	N	N
15	3	1986	C9	1.21	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
15	3	1986	D2	1.11	N	N
15	3	1986	D4	1.32	N	N
15	3	1986	D7	1.19	N	N
15	3	1986	D8	1.27	N	N
15	3	1986	D11	1.2	N	N
16	3	1986	C1	1.18	N	N
16	3	1986	C4	1.26	Y	N
16	3	1986	C6	1.28	Y	N
16	3	1986	C9	1.2	N	N
16	3	1986	D2	1.28	Y	N
16	3	1986	D4	1.32	N	N
16	3	1986	D7	1.18	N	N
16	3	1986	D8	1.27	N	N
16	3	1986	D11	1.22	N	N
17	3	1986	C1	1.28	Y	N
17	3	1986	C4	1.25	N	N
17	3	1986	C6	1.27	N	N
17	3	1986	C9	1.2	N	N
17	3	1986	D2	1.25	N	N
17	3	1986	D4	1.32	N	N
17	3	1986	D7	1.18	N	N
17	3	1986	D8	1.27	N	N
17	3	1986	D11	1.21	N	N
18	3	1986	C1	1.27	N	N
18	3	1986	C4	1.24	N	N
18	3	1986	C6	1.25	N	N
18	3	1986	C9	1.19	N	N
18	3	1986	D2	1.24	N	N
18	3	1986	D4	1.32	N	N
18	3	1986	D7	1.18	N	N
18	3	1986	D8	1.26	N	N
18	3	1986	D11	1.19	N	N
19	3	1986	C1	1.26	N	N
19	3	1986	C4	1.23	N	N
19	3	1986	C6	1.23	N	N
19	3	1986	C9	1.18	N	N
19	3	1986	D2	1.21	N	N
19	3	1986	D4	1.32	N	N
19	3	1986	D7	1.17	N	N
19	3	1986	D8	1.26	N	N
19	3	1986	D11	1.17	N	N
20	3	1986	C1	1.27	N	N
20	3	1986	C4	1.23	N	N
20	3	1986	C6	1.23	N	N
20	3	1986	C9	1.3	Y	N
20	3	1986	D2	1.21	N	N
20	3	1986	D4	1.32	N	N
20	3	1986	D7	1.18	N	N
20	3	1986	D8	1.27	N	N
20	3	1986	D11	1.26	Y	N
21	3	1986	C1	1.27	N	N
21	3	1986	C4	1.22	N	N
21	3	1986	C6	1.23	N	N
21	3	1986	C9	1.3	N	N
21	3	1986	D2	1.2	N	N
21	3	1986	D4	1.32	N	N
21	3	1986	D7	1.27	Y	N
21	3	1986	D8	1.28	N	N
21	3	1986	D11	1.24	N	N
22	3	1986	C1	1.26	N	N
22	3	1986	C4	1.21	N	N
22	3	1986	C6	1.21	N	N
22	3	1986	C9	1.29	N	N
22	3	1986	D2	1.18	N	N
22	3	1986	D4	1.32	N	N
22	3	1986	D7	1.25	N	N
22	3	1986	D8	1.28	N	N
22	3	1986	D11	1.22	N	N
23	3	1986	C1	1.25	N	N
23	3	1986	C4	1.21	N	N
23	3	1986	C6	1.21	N	N
23	3	1986	C9	1.29	N	N
23	3	1986	D2	1.29	Y	N
23	3	1986	D4	1.32	N	N
23	3	1986	D7	1.24	N	N
23	3	1986	D8	1.29	N	N
23	3	1986	D11	1.2	N	N
24	3	1986	C1	1.26	N	N
24	3	1986	C4	1.21	N	N
24	3	1986	C6	1.2	N	N
24	3	1986	C9	1.29	N	N
24	3	1986	D2	1.27	N	N
24	3	1986	D4	1.32	N	N
24	3	1986	D7	1.23	N	N
24	3	1986	D8	1.29	N	N
24	3	1986	D11	1.19	N	N
25	3	1986	C1	1.26	N	N
25	3	1986	C4	1.2	N	N
25	3	1986	C6	1.19	N	N
25	3	1986	C9	1.28	N	N
25	3	1986	D2	1.25	N	N
25	3	1986	D4	1.32	N	N
25	3	1986	D7	1.22	N	N
25	3	1986	D8	1.29	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
25	3	1986	D11	1.16	N	N
26	3	1986	C1	1.25	N	N
26	3	1986	C4	1.19	N	N
26	3	1986	C6	1.17	N	N
26	3	1986	C9	1.26	N	N
26	3	1986	D2	1.22	N	N
26	3	1986	D4	1.32	N	N
26	3	1986	D7	1.21	N	N
26	3	1986	D8	1.28	N	N
26	3	1986	D11	1.15	N	N
27	3	1986	C1	1.24	N	N
27	3	1986	C4	1.19	N	N
27	3	1986	C6	1.17	N	N
27	3	1986	C9	1.26	N	N
27	3	1986	D2	1.21	N	N
27	3	1986	D4	1.32	N	N
27	3	1986	D7	1.2	N	N
27	3	1986	D8	1.28	N	N
27	3	1986	D11	1.15	N	N
28	3	1986	C1	1.25	N	N
28	3	1986	C4	1.2	N	N
28	3	1986	C6	1.18	N	N
28	3	1986	C9	1.27	N	N
28	3	1986	D2	1.22	N	N
28	3	1986	D4	1.33	N	N
28	3	1986	D7	1.21	N	N
28	3	1986	D8	1.31	N	N
28	3	1986	D11	1.15	N	N
29	3	1986	C1	1.24	N	N
29	3	1986	C4	1.28	Y	N
29	3	1986	C6	1.38	Y	N
29	3	1986	C9	1.26	N	N
29	3	1986	D2	1.2	N	N
29	3	1986	D4	1.32	N	N
29	3	1986	D7	1.2	N	N
29	3	1986	D8	1.3	N	N
29	3	1986	D11	1.27	Y	N
30	3	1986	C1	1.23	N	N
30	3	1986	C4	1.27	N	N
30	3	1986	C6	1.35	N	N
30	3	1986	C9	1.25	N	N
30	3	1986	D2	1.19	N	N
30	3	1986	D4	1.32	N	N
30	3	1986	D7	1.29	N	N
30	3	1986	D8	1.31	N	N
30	3	1986	D11	1.24	N	N
31	3	1986	C1	1.2	N	N
31	3	1986	C4	1.27	N	N
31	3	1986	C6	1.33	N	N
31	3	1986	C9	1.25	N	N
31	3	1986	D2	1.28	Y	N
31	3	1986	D4	1.32	N	N
31	3	1986	D7	1.28	N	N
31	3	1986	D8	1.31	N	N
31	3	1986	D11	1.22	N	N
1	4	1986	C1	1.3	Y	N
1	4	1986	C4	1.26	N	N
1	4	1986	C6	1.32	N	N
1	4	1986	C9	1.25	N	N
1	4	1986	D2	1.26	N	N
1	4	1986	D4	1.32	N	N
1	4	1986	D7	1.27	N	N
1	4	1986	D8	1.32	N	N
1	4	1986	D11	1.2	N	N
2	4	1986	C1	1.3	N	N
2	4	1986	C4	1.25	N	N
2	4	1986	C6	1.31	N	N
2	4	1986	C9	1.25	N	N
2	4	1986	D2	1.24	N	N
2	4	1986	D4	1.32	N	N
2	4	1986	D7	1.26	N	N
2	4	1986	D8	1.32	N	N
2	4	1986	D11	1.18	N	N
3	4	1986	C1	1.29	N	N
3	4	1986	C4	1.25	N	N
3	4	1986	C6	1.3	N	N
3	4	1986	C9	1.24	N	N
3	4	1986	D2	1.23	N	N
3	4	1986	D4	1.32	N	N
3	4	1986	D7	1.25	N	N
3	4	1986	D8	1.32	N	N
3	4	1986	D11	1.27	Y	N
4	4	1986	C1	1.3	N	N
4	4	1986	C4	1.27	N	N
4	4	1986	C6	1.32	N	N
4	4	1986	C9	1.27	N	N
4	4	1986	D2	1.23	N	N
4	4	1986	D4	1.33	N	N
4	4	1986	D7	1.26	N	N
4	4	1986	D8	1.34	N	N
4	4	1986	D11	1.27	N	N
5	4	1986	C1	1.31	N	N
5	4	1986	C4	1.28	N	N
5	4	1986	C6	1.32	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
5	4	1986	C9	1.28	N	N
5	4	1986	D2	1.23	N	N
5	4	1986	D4	1.33	N	N
5	4	1986	D7	1.26	N	N
5	4	1986	D8	1.35	N	N
5	4	1986	D11	1.25	N	N
6	4	1986	C1	1.3	N	N
6	4	1986	C4	1.27	N	N
6	4	1986	C6	1.34	N	N
6	4	1986	C9	1.27	N	N
6	4	1986	D2	1.21	N	N
6	4	1986	D4	1.33	N	N
6	4	1986	D7	1.25	N	N
6	4	1986	D8	1.34	N	N
6	4	1986	D11	1.23	N	N
7	4	1986	C1	1.38	N	N
7	4	1986	C4	1.35	N	N
7	4	1986	C6	1.37	N	N
7	4	1986	C9	1.36	N	N
7	4	1986	D2	1.26	N	N
7	4	1986	D4	1.34	N	N
7	4	1986	D7	1.31	N	N
7	4	1986	D8	1.4	N	N
7	4	1986	D11	1.27	N	N
8	4	1986	C1	1.38	N	N
8	4	1986	C4	1.36	N	N
8	4	1986	C6	1.37	N	N
8	4	1986	C9	1.37	N	N
8	4	1986	D2	1.27	N	N
8	4	1986	D4	1.34	N	N
8	4	1986	D7	1.34	N	N
8	4	1986	D8	1.42	N	N
8	4	1986	D11	1.28	N	N
9	4	1986	C1	1.4	N	N
9	4	1986	C4	1.37	N	N
9	4	1986	C6	1.37	N	N
9	4	1986	C9	1.38	N	N
9	4	1986	D2	1.27	N	N
9	4	1986	D4	1.34	N	N
9	4	1986	D7	1.34	N	N
9	4	1986	D8	1.42	N	N
9	4	1986	D11	1.28	N	N
10	4	1986	C1	1.41	N	N
10	4	1986	C4	1.4	N	N
10	4	1986	C6	1.41	N	N
10	4	1986	C9	1.42	N	N
10	4	1986	D2	1.3	N	N
10	4	1986	D4	1.34	N	N
10	4	1986	D7	1.38	N	N
10	4	1986	D8	1.45	N	N
10	4	1986	D11	1.31	N	N
11	4	1986	C1	1.39	N	N
11	4	1986	C4	1.39	N	N
11	4	1986	C6	1.38	N	N
11	4	1986	C9	1.4	N	N
11	4	1986	D2	1.28	N	N
11	4	1986	D4	1.33	N	N
11	4	1986	D7	1.35	N	N
11	4	1986	D8	1.43	N	N
11	4	1986	D11	1.28	N	N
12	4	1986	C1	1.39	N	N
12	4	1986	C4	1.4	N	N
12	4	1986	C6	1.39	N	N
12	4	1986	C9	1.4	N	N
12	4	1986	D2	1.28	N	N
12	4	1986	D4	1.34	N	N
12	4	1986	D7	1.36	N	N
12	4	1986	D8	1.43	N	N
12	4	1986	D11	1.28	N	N
13	4	1986	C1	1.38	N	N
13	4	1986	C4	1.39	N	N
13	4	1986	C6	1.39	N	N
13	4	1986	C9	1.39	N	N
13	4	1986	D2	1.28	N	N
13	4	1986	D4	1.34	N	N
13	4	1986	D7	1.36	N	N
13	4	1986	D8	1.43	N	N
13	4	1986	D11	1.27	N	N
14	4	1986	C1	1.35	N	N
14	4	1986	C4	1.38	N	N
14	4	1986	C6	1.38	N	N
14	4	1986	C9	1.38	N	N
14	4	1986	D2	1.26	N	N
14	4	1986	D4	1.34	N	N
14	4	1986	D7	1.35	N	N
14	4	1986	D8	1.43	N	N
14	4	1986	D11	1.26	N	N
15	4	1986	C1	1.38	N	N
15	4	1986	C4	1.4	N	N
15	4	1986	C6	1.4	N	N
15	4	1986	C9	1.4	N	N
15	4	1986	D2	1.27	N	N
15	4	1986	D4	1.35	N	N
15	4	1986	D7	1.37	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
15	4	1986	D8	1.45	N	N
15	4	1986	D11	1.27	N	N
16	4	1986	C1	1.38	N	N
16	4	1986	C4	1.4	N	N
16	4	1986	C6	1.38	N	N
16	4	1986	C9	1.4	N	N
16	4	1986	D2	1.26	N	N
16	4	1986	D4	1.34	N	N
16	4	1986	D7	1.36	N	N
16	4	1986	D8	1.43	N	N
16	4	1986	D11	1.26	N	N
17	4	1986	C1	1.35	N	N
17	4	1986	C4	1.38	N	N
17	4	1986	C6	1.37	N	N
17	4	1986	C9	1.38	N	N
17	4	1986	D2	1.25	N	N
17	4	1986	D4	1.33	N	N
17	4	1986	D7	1.34	N	N
17	4	1986	D8	1.43	N	N
17	4	1986	D11	1.24	N	N
18	4	1986	C1	1.35	N	N
18	4	1986	C4	1.37	N	N
18	4	1986	C6	1.36	N	N
18	4	1986	C9	1.37	N	N
18	4	1986	D2	1.24	N	N
18	4	1986	D4	1.33	N	N
18	4	1986	D7	1.33	N	N
18	4	1986	D8	1.42	N	N
18	4	1986	D11	1.23	N	N
19	4	1986	C1	1.32	N	N
19	4	1986	C4	1.35	N	N
19	4	1986	C6	1.33	N	N
19	4	1986	C9	1.34	N	N
19	4	1986	D2	1.21	N	N
19	4	1986	D4	1.32	N	N
19	4	1986	D7	1.31	N	N
19	4	1986	D8	1.41	N	N
19	4	1986	D11	1.2	N	N
20	4	1986	C1	1.31	N	N
20	4	1986	C4	1.35	N	N
20	4	1986	C6	1.32	N	N
20	4	1986	C9	1.34	N	N
20	4	1986	D2	1.21	N	N
20	4	1986	D4	1.33	N	N
20	4	1986	D7	1.31	N	N
20	4	1986	D8	1.4	N	N
20	4	1986	D11	1.2	N	N
21	4	1986	C1	1.38	N	N
21	4	1986	C4	1.42	N	N
21	4	1986	C6	1.4	N	N
21	4	1986	C9	1.41	N	N
21	4	1986	D2	1.29	N	N
21	4	1986	D4	1.34	N	N
21	4	1986	D7	1.38	N	N
21	4	1986	D8	1.45	N	N
21	4	1986	D11	1.38	N	N
22	4	1986	C1	1.37	N	N
22	4	1986	C4	1.41	N	N
22	4	1986	C6	1.39	N	N
22	4	1986	C9	1.4	N	N
22	4	1986	D2	1.29	N	N
22	4	1986	D4	1.33	N	N
22	4	1986	D7	1.37	N	N
22	4	1986	D8	1.44	N	N
22	4	1986	D11	1.35	N	N
23	4	1986	C1	1.38	N	N
23	4	1986	C4	1.42	N	N
23	4	1986	C6	1.4	N	N
23	4	1986	C9	1.4	N	N
23	4	1986	D2	1.29	N	N
23	4	1986	D4	1.33	N	N
23	4	1986	D7	1.36	N	N
23	4	1986	D8	1.43	N	N
23	4	1986	D11	1.33	N	N
24	4	1986	C1	1.38	N	N
24	4	1986	C4	1.42	N	N
24	4	1986	C6	1.39	N	N
24	4	1986	C9	1.39	N	N
24	4	1986	D2	1.39	N	N
24	4	1986	D4	1.28	N	N
24	4	1986	D7	1.32	N	N
24	4	1986	D8	1.37	N	N
24	4	1986	D11	1.43	N	N
25	4	1986	C1	1.39	N	N
25	4	1986	C4	1.42	N	N
25	4	1986	C6	1.4	N	N
25	4	1986	C9	1.4	N	N
25	4	1986	D2	1.29	N	N
25	4	1986	D4	1.33	N	N
25	4	1986	D7	1.38	N	N
25	4	1986	D8	1.45	N	N
25	4	1986	D11	1.29	N	N
26	4	1986	C1	1.37	N	N
26	4	1986	C4	1.41	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW
26	4	1986	C6	1.39	N	N	1	5	1986	D2	1.28	N	N
26	4	1986	C9	1.4	N	N	1	5	1986	D4	1.32	N	N
26	4	1986	D2	1.28	N	N	1	5	1986	D7	1.36	N	N
26	4	1986	D4	1.32	N	N	1	5	1986	D8	1.45	N	N
26	4	1986	D7	1.36	N	N	1	5	1986	D11	1.28	N	N
26	4	1986	D8	1.45	N	N	2	5	1986	C1	1.36	N	N
26	4	1986	D11	1.29	N	N	2	5	1986	C4	1.42	N	N
27	4	1986	C1	1.39	N	N	2	5	1986	C6	1.39	N	N
27	4	1986	C4	1.42	N	N	2	5	1986	C9	1.39	N	N
27	4	1986	C6	1.4	N	N	2	5	1986	D2	1.27	N	N
27	4	1986	C9	1.4	N	N	2	5	1986	D4	1.32	N	N
27	4	1986	D2	1.29	N	N	2	5	1986	D7	1.36	N	N
27	4	1986	D4	1.32	N	N	2	5	1986	D8	1.45	N	N
27	4	1986	D7	1.38	N	N	2	5	1986	D11	1.27	N	N
27	4	1986	D8	1.45	N	N	3	5	1986	C1	1.34	N	N
27	4	1986	D11	1.3	N	N	3	5	1986	C4	1.4	N	N
28	4	1986	C1	1.38	N	N	3	5	1986	C6	1.38	N	N
28	4	1986	C4	1.42	N	N	3	5	1986	C9	1.38	N	N
28	4	1986	C6	1.4	N	N	3	5	1986	D2	1.25	N	N
28	4	1986	C9	1.4	N	N	3	5	1986	D4	1.32	N	N
28	4	1986	D2	1.28	N	N	3	5	1986	D7	1.34	N	N
28	4	1986	D4	1.33	N	N	3	5	1986	D8	1.43	N	N
28	4	1986	D7	1.38	N	N	3	5	1986	D11	1.26	N	N
28	4	1986	D8	1.46	N	N	4	5	1986	C1	1.33	N	N
28	4	1986	D11	1.3	N	N	4	5	1986	C4	1.39	N	N
29	4	1986	C1	1.38	N	N	4	5	1986	C6	1.36	N	N
29	4	1986	C4	1.42	N	N	4	5	1986	C9	1.36	N	N
29	4	1986	C6	1.4	N	N	4	5	1986	D2	1.25	N	N
29	4	1986	C9	1.4	N	N	4	5	1986	D4	1.32	N	N
29	4	1986	D2	1.29	N	N	4	5	1986	D7	1.33	N	N
29	4	1986	D4	1.32	N	N	4	5	1986	D8	1.43	N	N
29	4	1986	D7	1.38	N	N	4	5	1986	D11	1.24	N	N
29	4	1986	D8	1.45	N	N	5	5	1986	C1	1.31	N	N
29	4	1986	D11	1.3	N	N	5	5	1986	C4	1.38	N	N
30	4	1986	C1	1.37	N	N	5	5	1986	C6	1.35	N	N
30	4	1986	C4	1.42	N	N	5	5	1986	C9	1.34	N	N
30	4	1986	C6	1.4	N	N	5	5	1986	D2	1.24	N	N
30	4	1986	C9	1.4	N	N	5	5	1986	D4	1.32	N	N
30	4	1986	D2	1.29	N	N	5	5	1986	D7	1.32	N	N
30	4	1986	D4	1.32	N	N	5	5	1986	D8	1.42	N	N
30	4	1986	D7	1.38	N	N	5	5	1986	D11	1.22	N	N
30	4	1986	D8	1.45	N	N	6	5	1986	C1	1.31	N	N
30	4	1986	D11	1.3	N	N	6	5	1986	C4	1.37	N	N
1	5	1986	C1	1.36	N	N	6	5	1986	C6	1.34	N	N
1	5	1986	C4	1.42	N	N	6	5	1986	C9	1.34	N	N
1	5	1986	C6	1.39	N	N	6	5	1986	D2	1.23	N	N
1	5	1986	C9	1.4	N	N	6	5	1986	D4	1.32	N	N

Table 2. Daily Pond Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES
6	5	1986	D7	1.32	N	N	11	5	1986	D11	1.2	N	N		
6	5	1986	D8	1.42	N	N	12	5	1986	C1	1.26	N	N		
6	5	1986	D11	1.22	N	N	12	5	1986	C4	1.33	N	N		
7	5	1986	C1	1.29	N	N	12	5	1986	C6	1.3	N	N		
7	5	1986	C4	1.36	N	N	12	5	1986	C9	1.3	N	N		
7	5	1986	C6	1.33	N	N	12	5	1986	D2	1.2	N	N		
7	5	1986	C9	1.33	N	N	12	5	1986	D4	1.32	N	N		
7	5	1986	D2	1.22	N	N	12	5	1986	D7	1.3	N	N		
7	5	1986	D4	1.32	N	N	12	5	1986	D8	1.4	N	N		
7	5	1986	D7	1.31	N	N	12	5	1986	D11	1.18	N	N		
7	5	1986	D8	1.4	N	N	13	5	1986	C1	1.25	N	N		
7	5	1986	D11	1.2	N	N	13	5	1986	C4	1.32	N	N		
8	5	1986	C1	1.29	N	N	13	5	1986	C6	1.3	N	N		
8	5	1986	C4	1.36	N	N	13	5	1986	C9	1.3	N	N		
8	5	1986	C6	1.32	N	N	13	5	1986	D2	1.19	N	N		
8	5	1986	C9	1.32	N	N	13	5	1986	D4	1.32	N	N		
8	5	1986	D2	1.22	N	N	13	5	1986	D7	1.29	N	N		
8	5	1986	D4	1.32	N	N	13	5	1986	D8	1.39	N	N		
8	5	1986	D7	1.3	N	N	13	5	1986	D11	1.17	N	N		
8	5	1986	D8	1.4	N	N	14	5	1986	C1	1.24	N	N		
8	5	1986	D11	1.2	N	N	14	5	1986	C4	1.32	N	N		
9	5	1986	C1	1.29	N	N	14	5	1986	C6	1.29	N	N		
9	5	1986	C4	1.36	N	N	14	5	1986	C9	1.3	N	N		
9	5	1986	C6	1.33	N	N	14	5	1986	D2	1.18	N	N		
9	5	1986	C9	1.32	N	N	14	5	1986	D4	1.32	N	N		
9	5	1986	D2	1.21	N	N	14	5	1986	D7	1.28	N	N		
9	5	1986	D4	1.32	N	N	14	5	1986	D8	1.39	N	N		
9	5	1986	D7	1.3	N	N	14	5	1986	D11	1.17	N	N		
9	5	1986	D8	1.4	N	N	15	5	1986	C1	0.	N	N		nil
9	5	1986	D11	1.19	N	N	15	5	1986	C4	1.33	N	N		nil
10	5	1986	C1	1.28	N	N	15	5	1986	C6	1.31	N	N		nil
10	5	1986	C4	1.35	N	N	15	5	1986	C9	1.32	N	N		nil
10	5	1986	C6	1.32	N	N	15	5	1986	D2	1.2	N	N		nil
10	5	1986	C9	1.31	N	N	15	5	1986	D4	1.32	N	N		nil
10	5	1986	D2	1.21	N	N	15	5	1986	D7	1.3	N	N		nil
10	5	1986	D4	1.32	N	N	15	5	1986	D8	1.4	N	N		nil
10	5	1986	D7	1.3	N	N	15	5	1986	D11	1.18	N	N		nil
10	5	1986	D8	1.4	N	N	16	5	1986	C1	0.	N	N		nil
10	5	1986	D11	1.2	N	N	16	5	1986	C4	0.	N	N		nil
11	5	1986	C1	1.27	N	N	16	5	1986	C6	0.	N	N		nil
11	5	1986	C4	1.34	N	N	16	5	1986	C9	0.	N	N		nil
11	5	1986	C6	1.31	N	N	16	5	1986	D2	0.	N	N		nil
11	5	1986	C9	1.31	N	N	16	5	1986	D4	0.	N	N		nil
11	5	1986	D2	1.21	N	N	16	5	1986	D7	1.3	N	N		nil
11	5	1986	D4	1.32	N	N	16	5	1986	D8	1.4	N	N		nil
11	5	1986	D7	1.3	N	N	16	5	1986	D11	1.18	N	N		nil
11	5	1986	D8	1.4	N	N									

Table 3. Weekly and Twice Weekly Measurements. Rwanda, Cycle III, Dry Season

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
7	1986	Y	C1	558	7.2	7.2	7.1	19.	19.	19.					18.	70.	6.9	1.99	0.05		0.12		0.16	0.	21.	21.	49.
7	1986	Y	C4	610	8.4	8.3	8.1	19.	19.	19.					30.	109.	8.1	1.13	0.06		0.08		0.14	0.	25.	24.	30.
7	1986	Y	C6	614	8.	8.	8.	19.	19.	19.	28.	29.	11.	13.	22.	141.	7.1	4.13	0.06		0.1		0.19	0.	23.	21.	80.
7	1986	Y	C9	617	7.1	7.1	7.1	19.	19.	19.					27.	96.	7.2	1.79	0.06		0.19		0.06	0.	31.	28.	22.
7	1986	Y	D2	620	8.6	8.5	8.4	19.	19.	19.	27.	30.	16.	12.	18.	64.	7.7	4.26	0.04		0.14		0.13	0.01	25.	22.	37.
7	1986	Y	D4	623	3.9	3.9	3.7	19.	19.	19.					18.	77.	6.7	2.29	0.06		0.13		0.14	0.	21.	20.	45.
7	1986	Y	D7	627	5.1	5.1	5.	19.	19.	19.					18.	64.	6.8	4.8	0.07		0.28		0.1	0.01	22.	21.	27.
7	1986	Y	D8	630	4.5	4.5	4.4	19.	19.	19.					19.	90.	6.8	6.09	0.04		0.19		0.17	0.02	21.	20.	29.
7	1986	Y	D11	635	4.5	4.5	4.4	19.	19.	19.	30.	31.	17.	12.	19.	64.	6.9	6.65	0.05		0.12		0.19	0.	21.	21.	65.
7	1986	Y	C1	545	8.	8.	8.	18.	18.	18.					16.	90.	7.1	3.24	0.03		0.13		0.11	0.01	26.	25.	52.
7	1986	Y	C4	556	6.9	6.9	6.9	18.	18.	18.					32.	83.	7.8	2.29	0.11		0.12		0.21	0.02	31.	31.	34.
7	1986	Y	C6	559	8.8	8.8	8.8	18.	18.	18.	26.	25.	20.	18.	20.	77.	8.1	5.32	0.08		0.15		0.23	0.01	32.	31.	37.
7	1986	Y	C9	603	7.2	7.2	7.2	18.	18.	18.					30.	90.	7.6	2.46	0.09		0.1		0.11	0.01	35.	32.	14.
7	1986	Y	D2	606	6.3	6.3	6.3	18.	18.	18.	26.	22.	19.	17.	25.	58.	6.9	3.13	0.08		0.2		0.11	1.	36.	34.	25.
7	1986	Y	D4	609	5.5	5.5	5.5	18.	18.	18.					21.	64.	6.8	3.05	0.08		0.15		0.12	0.01	24.	23.	30.
7	1986	Y	D7	612	6.2	6.2	6.2	19.	19.	19.					18.	64.	6.9	1.58	0.06		0.16		0.1	0.01	29.	29.	26.
7	1986	Y	D8	615	5.8	5.8	5.8	18.	18.	18.					9.	64.	6.8	3.29	0.03		0.12		0.13	0.	41.	39.	22.
7	1986	Y	D11	620	7.	7.	7.	17.5	17.5	17.5	28.	25.	22.	21.	24.	58.	6.9	3.72	0.08		0.12		0.22	0.01	26.	27.	70.
7	1986	Y	C1	550	8.2	6.9	6.4	19.	19.	19.					20.	58.	7.5	4.97	0.01		0.11		0.11	0.	42.	33.	46.
7	1986	Y	C4	557	10.2	10.	6.4	19.	19.	19.					27.	64.	10.	4.24	0.01		0.08		0.26	0.03	33.	31.	62.
7	1986	Y	C6	604	8.7	8.7	8.5	19.	19.	19.	25.	23.	19.	19.	24.	64.	8.8	3.52	0.01		0.15		0.25	0.05	32.	32.	52.
7	1986	Y	C9	606	7.8	7.7	7.7	19.	19.	19.					30.	70.	8.1	1.34	0.01		0.07		0.08	0.	50.	45.	18.
7	1986	Y	D2	610	8.6	8.6	8.5	19.	19.	19.	26.	23.	18.	18.	22.	64.	8.3	1.34	0.		0.07		0.14	0.	40.	35.	52.
7	1986	Y	D4	614	7.8	6.8	4.7	19.	19.	19.					22.	70.	7.7	1.63	0.02		0.13		0.08	0.	42.	37.	22.
7	1986	Y	D7	617	7.4	7.2	6.3	19.	19.	19.					20.	64.	7.5	1.2	0.01		0.11		0.1	0.	44.	41.	30.
7	1986	Y	D8	621	6.9	6.6	6.	19.	19.	19.					28.	83.	7.4	0.69	0.01		0.07		0.15	0.	52.	50.	22.
7	1986	Y	D11	625	7.9	7.7	5.4	18.5	18.5	18.5	24.	22.	19.	18.	24.	70.	7.5	1.2	0.03		0.16		0.23	0.02	31.	25.	66.
8	1986	Y	C1	540	10.	9.9	9.7	20.	20.	20.					22.	51.	8.8	0.28	0.13		0.17		0.17	0.01	38.		62.
8	1986	Y	C4	546	8.1	7.8	3.4	19.	19.	19.					22.	45.	9.1	0.42	0.15		0.11		0.27	0.06	35.		63.
8	1986	Y	C6	551	7.3	7.3	7.3	20.	20.	20.	26.	24.	18.	19.	26.	58.	8.4	0.38	0.11		0.14		0.35	0.07	32.		62.
8	1986	Y	C9	600	6.7	6.7	6.7	19.	19.	19.					27.	64.	8.1	0.	0.16		0.08		0.13	0.02	41.		27.
8	1986	Y	D2	605	7.1	7.1	2.1	19.5	19.5	19.5	27.	24.	18.	19.	23.	38.	8.3	0.06	0.11		0.12		0.22	0.01	30.		62.
8	1986	Y	D4	610	6.3	6.2	5.5	19.5	19.5	19.5					22.	58.	7.3	0.	0.1		0.15		0.09	0.03	33.		37.
8	1986	Y	D7	616	6.9	6.9	6.7	20.	20.	19.5					20.	45.	7.2	0.28	0.13		0.11		0.1	0.03	42.		26.
8	1986	Y	D8	620	6.5	6.3	6.3	19.5	19.5	19.5					25.	58.	7.1	0.24	0.06		0.31		0.18	0.02	30.		52.
8	1986	Y	D11	625	7.1	6.9	2.5	19.	19.	19.	27.	24.	18.	14.	25.	51.	7.2	0.	0.15		0.15		0.26	0.03	41.		78.
8	1986	Y	C1	540	9.	8.7	5.3	20.	20.	20.					20.	45.	9.	1.57	0.06		0.16		0.16	0.01	28.	26.	130.
8	1986	Y	C4	545	7.2	6.4	3.5	19.5	19.5	19.5					22.	64.	8.9	2.93	0.04		0.23		0.28	0.06	26.	26.	151.
8	1986	Y	C6	550	8.7	8.6	5.7	19.5	19.5	19.5	25.	24.	18.	19.	29.	58.	9.2	2.01	0.06		0.12		0.25	0.02	32.	30.	97.
8	1986	Y	C9	555	7.3	7.1	7.1	20.	20.	20.					30.	70.	8.9	2.11	0.03		0.15		0.1	0.01	39.	36.	29.
8	1986	Y	D2	600	6.6	6.6	6.6	19.5	19.5	19.5	27.	24.	18.	17.	26.	70.	8.6	2.4	0.06		0.22		0.19	0.01	29.	26.	77.
8	1986	Y	D4	605	4.7	4.7	4.7	19.	19.	19.					25.	64.	7.	1.23	0.1		0.33		0.08	0.01	26.	27.	26.
8	1986	Y	D7	610	7.1	7.	7.	19.	19.	19.					25.	51.	7.4	0.26	0.06		0.14		0.08	0.01	40.	39.	44.
8	1986	Y	D8	615	5.9	5.9	5.8	19.	19.	19.					29.	58.	7.2	1.62	0.03		0.13		0.23	0.02	31.	30.	52.

Table 3. Weekly and Twice Weekly Measurements. Rwanda, Cycle III, 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
12	8	1986	Y	D11	620	4.7	4.6	4.5	19.	19.	19.	27.	25.	14.	17.	21.	58.	7.2	1.33	0.09		0.38		0.33	0.04	26.	24.	77.
19	8	1986	Y	C1	543	8.3	7.9	4.6	19.	19.	19.					16.	51.	8.8	1.37	0.11		0.19		0.1	0.01	27.	25.	172.
19	8	1986	Y	C4	550	8.	8.	4.	19.	19.	18.5					19.	58.	9.4	0.86	0.06		0.2		0.3	0.07	28.	28.	220.
19	8	1986	Y	C6	553	8.1	7.9	6.6	19.5	19.5	19.	26.	23.	17.	19.	23.	58.	9.2	1.22	0.09		0.14		0.29	0.05	32.	31.	130.
19	8	1986	Y	C9	557	6.7	6.5	6.3	19.	19.	19.					26.	77.	8.9	0.81	0.02		0.16		0.1	0.02	35.	33.	53.
19	8	1986	Y	D2	600	8.5	8.5	8.5	19.	19.	19.	27.	24.	16.	18.	26.	58.	9.1	0.66	0.03		0.14		0.19	0.01	32.	31.	93.
19	8	1986	Y	D4	604	6.8	6.1	6.	19.	19.	19.					22.	58.	7.3	1.27	0.06		0.12		0.15	0.01	33.	30.	73.
19	8	1986	Y	D7	607	9.9	9.8	9.6	10.	10.	10.					25.	58.	9.	1.07	0.05		0.11		0.13	0.	37.	36.	55.
19	8	1986	Y	D8	610	7.3	7.2	7.2	19.	19.	19.					29.	70.	7.4	0.71	0.03		0.12		0.1	0.01	38.	34.	63.
19	8	1986	Y	D11	615	6.4	6.3	6.3	19.	19.	19.	26.	23.	17.	17.	21.	64.	7.9	1.12	0.09		0.22		0.51	0.04	28.	26.	156.
26	8	1986	Y	C1	545	6.2	5.7	1.4	20.	20.	20.					18.	51.	7.7	10.02	0.16		0.25		0.22	0.04	21.	20.	141.
26	8	1986	Y	C4	550	7.6	7.3	4.7	20.	20.	20.					18.	51.	8.7	8.139999	0.14		0.53		0.25	0.04	29.	25.	31.
26	8	1986	Y	C6	554	5.7	5.7	5.7	21.	21.	21.	28.	24.	19.	20.	25.	51.	8.1	7.83	0.11		0.28		0.35	0.1	30.	28.	213.
26	8	1986	Y	C9	559	5.8	5.6	2.6	20.	20.	19.5					28.	70.	7.8	5.96	0.14		0.25		0.13	0.03	23.	21.	37.
26	8	1986	Y	D2	606	6.2	6.1	6.	20.	20.	20.	28.	24.	19.	17.	28.	58.	8.	5.03	0.07		0.21		0.21	0.03	31.	30.	70.
26	8	1986	Y	D4	610	5.6	5.6	5.5	20.	20.	20.					23.	70.	7.4	3.31	0.25		0.15		0.18	0.	29.	22.	81.
26	8	1986	Y	D7	615	7.6	7.5	7.5	20.	20.	20.					25.	64.	8.6	5.34	0.1		0.12		0.15	0.01	30.	30.	91.
26	8	1986	Y	D8	618	5.7	5.6	5.5	20.	20.	20.					31.	64.	7.4	4.4	0.07		0.16		0.29	0.02	27.	26.	96.
26	8	1986	Y	D11	624	5.7	5.6	5.4	19.5	19.5	19.5	27.	22.	18.	18.	28.	64.	7.8	0.	0.16		0.32		0.5	0.05	20.	18.	167.
2	9	1986	Y	C1	550	5.8	5.7	5.4	20.5	20.5	20.5					19.	64.	7.2	2.95	0.13		0.24		0.26	0.03	21.	20.	130.
2	9	1986	Y	C4	555	4.8	4.4	3.1	20.5	20.5	20.5					24.	58.	8.3	2.12	0.17		0.21		0.45	0.14	23.	21.	202.
2	9	1986	Y	C6	558	5.5	5.	5.	20.5	20.5	20.5	28.	23.	20.	20.	26.	64.	8.3	2.78	0.09		0.24		0.49	0.13	26.	23.	263.
2	9	1986	Y	C9	601	5.	4.9	4.9	20.	20.	20.					29.	70.	8.1	0.84	0.1		0.21		0.22	0.03	21.	20.	59.
2	9	1986	Y	D2	605	4.4	4.4	4.4	20.5	20.5	20.5	26.	23.	19.	18.	29.	58.	7.3	1.63	0.07		0.21		0.27	0.03	31.	28.	89.
2	9	1986	Y	D4	609	3.9	3.9	3.9	20.	20.	20.					26.	58.	6.9	1.26	0.08		0.43		0.19	0.02	26.	24.	59.
2	9	1986	Y	D7	613	4.3	4.3	4.2	20.	20.	20.					27.	64.	7.5	0.8	0.07		0.11		0.21	0.01	27.	25.	59.
2	9	1986	Y	D8	616	4.6	4.5	4.4	20.	20.	20.					36.	58.	7.	0.72	0.08		0.12		0.25	0.02	40.	38.	55.
2	9	1986	Y	D11	620	3.7	3.7	3.7	20.	20.	20.	25.	24.	19.	18.	34.	83.	7.2	1.71	0.14		0.33		0.9	0.12	17.	16.	187.
9	9	1986	Y	C1	545	3.7	3.7	3.7	20.	20.	20.					24.	45.	6.8	2.1	0.08		0.23		0.22	0.06	22.	21.	37.
9	9	1986	Y	C4	551	4.3	4.3	4.3	20.	20.	20.					30.	58.	8.6	3.97	0.05		0.16		0.52	0.27	24.	22.	109.
9	9	1986	Y	C6	555	3.8	3.7	3.7	20.	20.	20.	27.	25.	19.	19.	31.	38.	8.5	3.55	0.13		0.25		0.64	0.06	24.	22.	30.
9	9	1986	Y	C9	559	3.4	3.4	3.3	20.	20.	20.					30.	45.	7.3	4.14	0.09		0.17		0.2	0.24	19.	18.	103.
9	9	1986	Y	D2	603	3.6	3.5	3.4	20.	20.	20.	27.	24.	18.	19.	20.	58.	7.	4.32	0.1		0.25		0.25	0.06	22.	21.	84.
9	9	1986	Y	D4	607	4.3	4.3	4.2	20.	20.	20.					28.	51.	6.9	0.9	0.03		0.12		0.15	0.03	26.	23.	48.
9	9	1986	Y	D7	611	6.	5.9	5.9	20.	20.	20.					28.	45.	7.3	2.01	0.1		0.16		0.17	0.02	28.	26.	81.
9	9	1986	Y	D8	613	5.1	5.1	5.	20.	20.	20.					40.	64.	7.	3.29	0.03		0.12		0.24	0.03	32.	31.	48.
9	9	1986	Y	D11	618	3.9	3.7	3.7	20.	20.	20.	28.	24.	19.	19.	32.	58.	7.	1.58	0.08		0.3		1.	0.14	20.	18.	111.
15	9	1986	Y	C1	530	5.9	5.6	0.4	21.	21.	20.					29.	58.	6.8	4.	0.09		0.19		0.26	0.04	23.	21.	55.
15	9	1986	Y	C4	536	[illegible]	5.1	0.4	21.	21.	20.					36.	64.	8.6	7.	0.13		0.25		0.71	0.38	23.	22.	111.
15	9	1986	Y	C6	540	6.9	6.5	0.4	21.	21.	20.	27.	24.	20.	20.	32.	58.	8.4	5.29	0.05		0.22		0.58	0.22	25.	23.	151.
15	9	1986	Y	C9	545	4.6	4.5	0.8	20.	20.	20.					37.	64.	7.2	3.57	0.13		0.3		0.29	0.06	20.	18.	41.
15	9	1986	Y	D2	550	4.2	4.2	4.1	20.5	20.5	20.5	26.	24.	19.	2[illegible]	33.	58.	7.2	3.57	0.03		0.14		0.32	0.03	24.	22.	95.
15	9	1986	Y	D4	555	6.7	6.4	3.7	21.	21.	21.					31.	32.	7.	0.71	0.03		0.12		0.2	0.01	25.	25.	85.
15	9	1986	Y	D7	559	8.	7.6	2.	20.5	20.5	20.					27.	51.	8.3	1.29	0.		0.12		0.22	0.01	25.	22.	97.
15	9	1986	Y	D8	604	7.	6.7	4.5	20.5	20.5	20.5					43.	77.	7.1	1.29	0.08		0.14		0.33	0.03	24.	23.	114.

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Table 3. Weekly and Twice Weekly Measuremerts. Rwanda, Cycle III, 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
15	9	1986	Y	D11	610	4.1	4.1	0.7	21.	21.	20.5	26.	24.	20.	18.	35.	58.	7.1	4.43	0.05		0.32		1.01	0.2	18.	17.	140.
23	9	1986	Y	C1	545	6.3	6.	2.4	21.	21.	20.5					35.	70.	7.	7.38	0.12		0.21		0.26	0.05	26.	25.	48.
23	9	1986	Y	C4	550	7.5	5.8	1.2	21.	21.	20.					39.	77.	8.9	7.6	0.08		0.2		0.7	0.34	24.	21.	159.
23	9	1986	Y	C6	554	6.5	6.1	0.7	21.5	21.5	20.5	28.	24.	20.	20.	42.	70.	8.5	5.45	0.09		0.2		0.68	0.3	27.	24.	155.
23	9	1986	Y	C9	557	5.8	4.1	1.2	21.	21.	20.					42.	77.	7.5	0.31	0.16		0.32		0.32	0.07	24.	21.	55.
23	9	1986	Y	D2	601	6.2	5.8	1.4	21.5	21.5	20.	28.	24.	19.	20.	38.	58.	7.3	5.88	0.09		0.21		0.32	0.04	24.	22.	73.
23	9	1986	Y	D4	606	7.1	6.8	2.	21.5	21.5	20.5					35.	77.	7.7	3.52	0.04		0.12		0.2	0.04	27.	25.	103.
23	9	1986	Y	D7	610	7.8	6.2	2.4	21.	21.	20.					29.	70.	8.2	7.6	0.08		0.16		0.18	0.03	24.	23.	103.
23	9	1986	Y	D8	615	4.9	4.6	0.8	21.5	21.5	20.5					46.	70.	7.1	8.24	0.05		0.12		0.29	0.03	34.	31.	55.
23	9	1986	Y	D11	620	7.1	4.7	1.1	21.	21.	20.	27.	24.	20.	18.	36.	64.	7.9	10.6	0.1		0.2		0.52	0.17	20.	19.	81.
30	9	1986	Y	C1	545	5.6	5.2	1.4	20.	20.	20.					35.	70.	7.3	11.62	0.33		0.21		0.36	0.08	23.	22.	71.
30	9	1986	Y	C4	550	7.3	6.1	0.6	21.	21.	19.5					33.	103.	8.7	9.7	0.18		0.25		0.72	0.31	21.	20.	137.
30	9	1986	Y	C6	554	6.3	6.	0.7	21.	21.	20.	28.	23.	20.	19.	37.	77.	8.	11.13	0.09		0.46		0.58	0.26	22.	20.	148.
30	9	1986	Y	C9	558	5.8	5.5	1.2	20.	20.	19.5					43.	77.	7.9	9.27	0.18		0.31		0.47	0.07	21.	19.	52.
30	9	1986	Y	D2	603	5.	4.8	4.3	20.5	20.5	20.5	28.	24.	20.	21.	37.	77.	7.3	9.6	0.24		0.21		0.26	0.11	23.	21.	78.
30	9	1986	Y	D4	607	4.1	4.1	4.	21.	21.	21.					41.	70.	7.1	9.49	0.32		0.14		0.24	0.02	32.	30.	52.
30	9	1986	Y	D8	615	2.8	2.8	2.8	21.	21.	21.					46.	83.	7.	9.379999	0.21		0.14		0.55	0.03	34.	32.	41.
30	9	1986	Y	D11	620	5.5	5.	1.	20.	20.	20.	27.	24.	20.	19.	43.	83.	7.3	9.209999	0.42		0.16		0.6	0.15	22.	20.	44.
30	9	1986	Y	D7	711	6.9	5.9	1.1	20.	20.	20.					31.	64.	8.1	9.379999	0.12		0.23		0.54	0.03	22.	20.	112.
7	10	1986	Y	C1	545	5.5	5.5	4.5	22.	22.	22.					26.	77.	7.	4.25	0.18		0.23		0.27	0.02	23.	21.	96.
7	10	1986	Y	C4	550	4.2	4.	0.8	21.5	21.5	21.					34.	58.	8.5	4.58	0.24		0.19		0.9	0.42	20.	19.	229.
7	10	1986	Y	C6	554	2.3	2.3	2.2	22.	22.	22.	28.	24.	21.	15.	35.	64.	7.3	4.03	0.07		0.19		0.6	0.09	23.	21.	184.
7	10	1986	Y	C9	557	5.4	5.1	0.4	21.	21.	20.5					38.	70.	7.9	2.23	0.16		0.35		0.36	0.05	18.	17.	81.
7	10	1986	Y	D2	601	4.3	4.2	2.	21.5	21.5	21.5	29.	25.	21.	20.	35.	64.	7.2	3.32	0.14		0.22		0.47	0.04	21.	20.	133.
7	10	1986	Y	D4	605	3.9	3.9	3.8	22.	22.	22.					40.	70.	6.8	3.16	0.18		0.12		0.2	0.01	30.	28.	59.
7	10	1986	Y	D7	609	5.8	4.9	0.4	21.	21.	20.5					29.	51.	8.3	3.82	0.23		0.17		0.24	0.02	22.	20.	111.
7	10	1986	Y	D8	613	2.	2.	1.9	22.	22.	22.					38.	64.	6.6	2.06	0.28		0.32		0.34	0.06	26.	25.	52.
7	10	1986	Y	D11	620	4.3	4.3	4.2	22.	22.	22.	29.	28.	20.	21.	40.	70.	7.	0.75	0.14		0.28		0.49	0.04	24.	23.	70.
14	10	1986	Y	C1	545	2.6	2.6	2.6	21.	21.	21.					36.	64.	6.6	5.27	0.03		0.07		0.3	0.11	23.	21.	89.
14	10	1986	Y	C4	550	2.	2.	2.	21.	21.	21.					37.	51.	7.2	3.11	0.03		0.07		0.71	0.37	17.	15.	248.
14	10	1986	Y	C6	553	0.5	0.5	0.5	21.	21.	21.	26.	24.	20.	20.	42.	64.	6.8	4.63	0.03		0.09		0.6	0.21	22.	21.	218.
14	10	1986	Y	C9	557	2.4	2.4	2.4	20.5	20.5	20.5					39.	70.	6.9	2.6	0.05		0.08		0.32	0.1	18.	16.	52.
14	10	1986	Y	D2	600	1.2	1.2	1.2	21.	21.	21.	28.	26.	21.	20.	38.	64.	6.7	2.98	0.03		0.07		0.5	0.09	22.	21.	92.
14	10	1986	Y	D4	605	3.	3.	2.9	21.5	21.5	21.5					46.	70.	6.6	2.79	0.03		0.05		0.21	0.07	27.	26.	77.
14	10	1986	Y	D7	608	2.1	2.	1.9	21.	21.	21.					35.	58.	6.6	2.66	0.03		0.05		0.22	0.06	24.	21.	70.
14	10	1986	Y	D8	612	1.3	1.3	1.3	21.	21.	21.					41.	70.	6.5	2.73	0.07		0.06		0.35	0.07	27.	25.	70.
14	10	1986	Y	D11	616	2.1	2.1	2.1	21.5	21.5	21.5	29.	25.	22.	19.	47.	70.	6.8	1.33	0.07		0.07		0.6	0.05	26.	24.	143.
21	10	1986	Y	C1	545	2.8	2.7	2.7	21.	21.	21.					40.	70.	6.5	2.73	0.05		0.17		0.26	0.05	24.	22.	73.
21	10	1986	Y	C4	550	2.2	2.2	2.2	21.	21.	21.					40.	58.	7.3	5.51	0.05		0.19		0.69	0.3	17.	16.	237.
21	10	1986	Y	C6	557	1.	0.9	0.9	21.	21.	21.	29.	25.	21.	18.	47.	90.	6.9	3.26	0.08		0.21		0.61	0.19	23.	21.	162.
21	10	1986	Y	C9	556	2.4	2.3	2.3	20.5	20.5	20.5					43.	77.	6.8	1.68	0.13		0.37		0.34	0.12	17.	16.	33.
21	10	1986	Y	D2	601	2.4	2.4	2.4	21.	21.	21.	27.	26.	21.	21.	42.	70.	6.7	1.94	0.07		0.32		0.49	0.07	22.	20.	103.
21	10	1986	Y	D4	604	4.2	4.1	4.	21.5	21.5	21.5					46.	77.	6.7	1.81	0.03		0.12		0.16	0.04	31.	29.	73.
21	10	1986	Y	D7	609	4.	4.	3.9	21.	21.	21.					38.	64.	6.7	1.54	0.03		0.14		0.2	0.04	27.	25.	55.
21	10	1986	Y	D8	614	1.7	1.7	1.7	21.5	21.5	21.5					43.	64.	6.5	2.07	0.03		0.11		0.25	0.04	28.	26.	52.

Table 3. Weekly and Twice Weekly Measurements. Rwanda, Cycle III, 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
21	10	1986	Y	D11	620	2.1	2.1	2.	21.5	21.5	21.5	28.	26.	21.	21.	49.	77.	6.8	1.68	0.07		0.19		0.49	0.1	26.	24.	110.
28	10	1986	Y	C1	550	4.7	4.6	4.5	21.	21.	21.					39.	77.	6.7	1.83	0.09		0.25		0.33	0.04	23.	21.	59.
28	10	1986	Y	C4	555	3.4	3.2	0.5	21.	21.	20.					41.	64.	7.7	4.22	0.1		0.16		0.81	0.21	17.	15.	252.
28	10	1986	Y	C6	558	1.9	1.9	1.8	21.	21.	21.	29.	25.	20.	21.	49.	64.	6.8	3.26	0.08		0.23		0.83	0.11	22.	20.	62.
28	10	1986	Y	C9	602	3.5	3.4	0.9	20.	20.	20.					45.	70.	6.8	1.03	0.17		0.32		0.33	0.1	17.	15.	26.
28	10	1986	Y	D2	606	2.7	2.7	2.6	21.	21.	21.	29.	25.	20.	20.	42.	83.	6.7	0.55	0.13		0.19		0.45	0.07	21.	20.	70.
28	10	1986	Y	D4	609	4.5	4.3	4.2	21.	21.	21.					47.	77.	6.8	0.31	0.08		0.16		0.17	0.01	31.	30.	52.
28	10	1986	Y	D7	613	5.7	5.4	3.5	21.	21.	21.					41.	77.	6.8	0.	0.05		0.12		0.22	0.02	33.	31.	40.
28	10	1986	Y	D8	616	3.2	3.1	3.1	21.	21.	21.					41.	64.	6.6	0.	0.08		0.16		0.33	0.05	27.	24.	34.
28	10	1986	Y	D11	620	2.3	2.3	2.3	21.	21.	21.	29.	27.	20.	20.	53.	83.	6.8	0.55	0.07		0.16		0.32	0.1	23.	21.	73.
4	11	1986	Y	C1	545	2.7	2.7	2.7	21.	21.	21.					40.	70.	6.6	2.48	0.1		0.24		0.36	0.06	22.	20.	62.
4	11	1986	Y	C4	550	2.1	2.1	2.	21.	21.	21.					38.	64.	7.3	3.62	0.07		0.14		0.53	0.17	18.	17.	237.
4	11	1986	Y	C6	553	0.8	0.7	0.7	21.	21.	21.	29.	25.	20.	20.	51.	70.	6.9	2.48	0.06		0.16		0.71	0.17	22.	21.	132.
4	11	1986	Y	C9	557	2.7	2.6	2.6	20.5	20.5	20.5					39.	70.	6.8	0.	0.14		0.28		0.32	0.07	18.	17.	37.
4	11	1986	Y	D2	601	1.9	1.9	1.9	21.	21.	21.	29.	25.	21.	20.	38.	64.	6.7	0.	0.14		0.21		0.51	0.11	22.	20.	84.
4	11	1986	Y	D4	604	3.8	3.8	3.7	21.5	21.5	21.5					47.	77.	6.8	0.19	0.06		0.09		0.16	0.01	30.	29.	58.
4	11	1986	Y	D7	609	3.7	3.6	3.6	21.5	21.5	21.5					43.	77.	6.7	0.57	0.05		0.09		0.25	0.02	31.	29.	48.
4	11	1986	Y	D8	613	2.8	2.8	2.8	21.	21.	21.					38.	77.	6.6	1.43	0.06		0.12		0.32	0.05	23.	21.	44.
4	11	1986	Y	D11	619	2.7	2.6	2.6	21.	21.	21.	29.	26.	22.	21.	42.	70.	6.7	0.19	0.06		0.11		0.49	0.05	21.	20.	100.
11	11	1986	Y	C1	540	4.2	4.1	3.2	22.	22.	22.					36.	64.	6.8	3.47	0.2		0.19		0.23	0.03	22.	21.	73.
11	11	1986	Y	C4	545	2.8	2.4	0.9	22.	22.	22.					34.	45.	7.5	5.93	0.18		0.23		0.58	0.13	17.	15.	315.
11	11	1986	Y	C6	548	1.8	1.8	1.7	22.	22.	22.	28.	25.	19.	19.	59.	103.	6.9	4.14	0.14		0.19		0.55	0.07	23.	21.	59.
11	11	1986	Y	C9	553	3.4	3.2	1.3	21.5	21.5	21.					50.	64.	7.	1.68	0.18		0.28		0.23	0.04	19.	17.	22.
11	11	1986	Y	D2	557	2.8	2.7	2.6	22.	22.	22.	30.	24.	20.	19.	39.	58.	6.9	2.8	0.15		0.28		0.54	0.04	22.	20.	110.
11	11	1986	Y	D4	604	4.8	4.5	2.6	22.5	22.5	22.					48.	64.	7.1	2.35	0.15		0.13		0.14	0.	33.	31.	48.
11	11	1986	Y	D7	610	3.5	3.4	3.4	22.5	22.5	22.5					46.	64.	6.7	2.24	0.09		0.09		0.17	0.	35.	34.	30.
11	11	1986	Y	D8	615	4.7	4.6	4.4	22.	22.	22.					39.	58.	6.8	1.35	0.15		0.14		0.29	0.02	23.	21.	44.
11	11	1986	Y	D11	622	3.7	3.6	3.5	22.	22.	22.	30.	26.	21.	20.	46.	64.	6.9	2.58	0.15		0.14		0.51	0.04	21.	20.	95.
18	11	1986	Y	C1	540	3.8	3.7	3.7	21.	21.	21.					41.	77.	6.9	0.29	0.3		0.28		0.33	0.03	27.	24.	97.
18	11	1986	Y	C4	545	4.7	4.4	3.9	21.	21.	21.					43.	64.	7.6	0.	0.09		0.3		0.49	0.1	17.	15.	321.
18	11	1986	Y	C6	548	2.8	2.8	2.8	21.	21.	21.	27.	25.	20.	20.	54.	102.	6.9	0.07	0.13		0.25		0.78	0.1	24.	21.	86.
18	11	1986	Y	C9	552	2.6	2.6	2.5	20.	20.	20.					42.	77.	6.9	1.35	0.14		0.32		0.28	0.05	24.	21.	52.
18	11	1986	Y	D2	557	3.1	3.1	3.	21.	21.	21.	26.	23.	19.	20.	40.	77.	6.9	0.82	0.15		0.39		0.63	0.1	21.	20.	97.
18	11	1986	Y	D4	600	4.2	4.1	4.	21.	21.	21.					46.	77.	6.7	2.84	0.09		0.15		0.18	0.02	35.	32.	45.
18	11	1986	Y	D7	604	4.1	4.1	4.1	21.	21.	21.					36.	70.	6.7	0.	0.03		0.14		0.19	0.02	34.	32.	37.
18	11	1986	Y	D8	607	4.6	4.6	4.5	21.	21.	21.					40.	64.	7.3	1.35	0.09		0.24		0.37	0.03	24.	22.	59.
18	11	1986	Y	D11	615	5.8	5.7	5.7	20.	20.	20.	27.	25.	20.	19.	40.	77.	6.8	0.	0.09		0.25		0.61	0.08	20.	17.	141.
25	11	1986	Y	C1	540	5.3	5.2	2.9	21.	21.	21.					42.	90.	7.	1.83	0.06		0.19		0.29	0.03	23.	21.	122.
25	11	1986	Y	C4	545	0.4	0.4	0.4	21.	21.	21.					39.	64.	7.	4.11	0.18		0.2		0.52	0.07	30.	27.	130.
25	11	1986	Y	C6	549	4.8	4.4	0.6	21.5	21.5	21.5	27.	25.	21.	21.	52.	90.	7.1	2.74	0.1		0.3		0.5	0.07	23.	21.	41.
25	11	1986	Y	C9	553	4.6	4.3	0.5	21.	21.	21.					41.	70.	7.	0.23	0.11		0.23		0.25	0.04	22.	20.	12.
25	11	1986	Y	D2	601	3.6	3.6	3.5	21.	21.	21.	26.	24.	20.	20.	41.	64.	6.8	2.17	0.11		0.23		0.5	0.09	21.	20.	116.
25	11	1986	Y	D4	606	3.6	3.5	3.5	22.	22.	22.					50.	77.	6.8	2.29	0.08		0.09		0.19	0.01	32.	30.	37.
25	11	1986	Y	D7	610	4.5	4.4	4.4	22.	22.	22.					45.	70.	6.8	0.46	0.02		0.08		0.18	0.02	33.	30.	8.
25	11	1986	Y	D8	614	4.5	4.3	4.3	21.	21.	21.					37.	64.	6.8	2.63	0.09		0.15		0.39	0.05	21.	20.	58.

Table 3. Weekly and Twice Weekly Measurements. Rwanda, Cycle III, 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
25	11	1986	Y	D11	625	8.5	8.1	0.5	21.	21.	21.	26.	25.	20.	21.	40.	90.	8.5	3.43	0.09		0.16		0.6	0.11	18.	16.	125.
2	12	1986	Y	C1	537	5.1	5.1	5.1	21.	21.	21.					42.	77.	6.8	4.41	0.03		0.15		0.23	0.01	33.	31.	62.
2	12	1986	Y	C4	542	2.1	2.1	2.	21.	21.	21.					42.	83.	7.	3.04	0.08		0.2		0.5	0.05	23.	21.	155.
2	12	1986	Y	C6	545	5.2	4.9	2.3	21.	21.	21.	26.	22.	19.	19.	54.	102.	7.2	2.92	0.16		0.13		0.37	0.04	31.	28.	55.
2	12	1986	Y	C9	551	4.6	3.2	0.4	20.5	20.5	20.					43.	83.	7.1	2.42	0.13		0.28		0.29	0.05	21.	20.	37.
2	12	1986	Y	D2	557	3.3	1.9	0.8	21.	21.	21.	25.	23.	19.	19.	44.	77.	6.9	0.43	0.07		0.19		0.52	0.05	21.	20.	94.
2	12	1986	Y	D4	600	4.	3.8	2.4	21.	21.	21.					49.	83.	7.	1.67	0.03		0.09		0.17	0.01	33.	32.	29.
2	12	1986	Y	D7	604	5.5	5.5	5.4	21.	21.	21.					43.	77.	7.	1.3	0.03		0.09		0.16	0.01	33.	31.	26.
2	12	1986	Y	D8	607	5.1	4.5	0.7	21.	21.	20.5					40.	83.	6.8	1.67	0.05		0.14		0.2	0.03	29.	28.	29.
2	12	1986	Y	D11	615	8.8	2.3	0.6	20.	20.	19.5	23.	21.	19.	18.	35.	77.	8.5	2.79	0.03		0.23		0.7	0.1	16.	15.	108.

Table 3. Weekly and Twice Weekly Measurements. Rwanda, Cycle III, 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
24	12	1985	Y	C1	600	8.		3.4	22.		22.					42.	50.	8.5		0.08		0.12		0.12	0.02			24.
24	12	1985	Y	C4	600	7.9		7.3	21.9		21.9					38.	45.	8.9		0.26		0.07		0.18	0.02			36.
24	12	1985	Y	C6	600	7.		6.8	19.9		19.9					40.	50.	8.8		0.21		0.17		0.21	0.02			48.
24	12	1985	Y	C9	600	8.5		7.4	21.9		20.					51.	51.	9.2		0.21		0.07		0.12	0.01			12.
24	12	1985	Y	D11	600	6.5		6.3	21.6		21.8					69.	60.	8.4		0.11		0.12		0.17	0.02			24.
24	12	1985	Y	D2	600	9.8		8.5	21.9		21.9					50.	53.	8.8		0.28		0.06		0.15	0.01			36.
24	12	1985	Y	D4	600	5.3		5.2	21.6		21.8					60.	66.	7.7		0.16		0.07		0.1	0.02			12.
24	12	1985	Y	D7	600	8.6		7.9	22.		22.1					45.	51.	8.7		0.09		0.06		0.08	0.01			24.
24	12	1985	Y	D8	600	8.2		7.8	22.		22.1					58.	60.	8.3		0.11		0.06		0.11	0.02			12.
31	12	1985	Y	C1	600	4.8	4.8	4.8	20.8	20.8	20.8					46.	48.	7.4		0.52		0.07		0.08	0.02	51.		2.
31	12	1985	Y	C4	600	4.2	4.	4.	20.5	20.5	20.5					43.	51.	7.4		0.32		0.04		0.17	0.04	37.		7.
31	12	1985	Y	C6	600	4.5	4.5	4.5	20.5	20.5	20.5					48.	51.	7.5		0.		0.07		0.19	0.04	40.		24.
31	12	1985	Y	C9	600	4.6	4.6	4.6	20.8	20.8	20.8					45.	56.	7.5		0.21		0.07		0.06	0.01	31.		24.
31	12	1985	Y	D11	600	3.8	3.6	3.6	20.	19.9	19.9					58.	81.	7.4		0.24		0.23		0.1	0.03	39.		7.
31	12	1985	Y	D2	600	4.3	4.3	4.3	20.8	20.8	20.8					58.	66.	7.5		0.71		0.07		0.11	0.	40.		5.
31	12	1985	Y	D4	600	3.7	3.7	3.7	20.8	20.8	20.8					57.	66.	7.4		1.18		0.07		0.1	0.	41.		21.
31	12	1985	Y	D7	600	4.4	4.4	4.4	20.5	20.5	20.5					58.	57.	7.4		0.14		0.07		0.04	0.01	41.		24.
31	12	1985	Y	D8	600	4.4	4.4	4.4	20.8	20.8	20.8					59.	68.	7.4		0.21		0.07		0.1	0.01	42.		19.
7	1	1986	Y	C1	600	4.8	4.8	4.8	22.2	22.1	22.2					38.	48.	7.3	2.07	0.39		0.11		0.13	0.06	41.		0.
7	1	1986	Y	C4	600	4.8	4.5	3.3	21.5	21.7	21.7					36.	45.	7.7	2.07	0.51		0.23		0.33	0.01	30.		7.
7	1	1986	Y	C6	600	5.7	5.7	5.4	22.1	22.2	22.3					52.	53.	7.8	1.82	0.25		0.08		0.34	0.04	41.		10.
7	1	1986	Y	C9	600	5.2	5.2	5.2	21.9	22.	22.					53.	60.	7.7	1.33	0.32		0.09		0.11	0.02	39.		14.
7	1	1986	Y	D11	600	5.	4.9	4.9	21.5	21.5	21.5					73.	74.	7.6	1.82	0.39		0.22		0.28	0.04	31.		14.
7	1	1986	Y	D2	600	5.1	5.1	5.1	21.8	21.9	22.					51.	62.	7.3	2.17	0.35		0.14		0.15	0.02	40.		12.
7	1	1986	Y	D4	600	5.2	5.2	5.2	22.	22.1	22.1					62.	72.	7.4	1.53	0.32		0.07		0.07	0.	42.		0.
7	1	1986	Y	D7	600	5.5	5.5	5.5	22.	22.	22.					58.	81.	7.8	0.94	0.46		0.12		0.09	0.01	41.		10.
7	1	1986	Y	D8	600	4.8	4.7	4.7	22.	22.	22.1					60.	66.	7.7	0.84	0.32		0.1		0.16	0.02	40.		5.
14	1	1986	Y	C1	600	5.3	5.3	5.3	23.5	23.5	23.5					45.	53.	7.3	1.67	0.11		0.1		0.08	0.01	42.		17.
14	1	1986	Y	C4	600	5.4	5.	3.8	23.	23.	23.					37.	54.	7.6	1.15	0.06		0.18		0.23	0.04	38.		24.
14	1	1986	Y	C6	600	4.7	4.7	4.6	23.5	23.5	23.5					55.	62.	7.5	1.38	0.09		0.06		0.31	0.02	44.		17.
14	1	1986	Y	C9	600	4.7	4.7	4.7	22.6	22.7	22.7					64.	77.	7.6	0.63	0.09		0.07		0.14	0.04	29.		12.
14	1	1986	Y	D11	600	5.8	5.7	5.7	23.	23.	22.9					53.	62.	7.6	1.04	0.04		0.14		0.12	0.01	43.		10.
14	1	1986	Y	D2	600	4.7	4.7	4.7	23.1	23.	23.					58.	62.	7.6	1.19	0.06		0.07		0.11	0.01	41.		12.
14	1	1986	Y	D4	600	5.7	5.6	5.4	23.	23.	23.					69.	68.	7.3	1.01	0.1		0.08		0.07	0.	56.		17.
14	1	1986	Y	D7	600	4.2	4.2	4.2	23.	23.	22.8					64.	72.	7.4	0.86	0.11		0.07		0.08	0.	49.		7.
14	1	1986	Y	D8	600	5.4	5.3	5.2	23.1	23.1	23.					70.	77.	7.5	0.97	0.02		0.11		0.11	0.	68.		17.
21	1	1986	Y	C1	600	5.	4.8	4.8	21.1	21.	21.					41.	53.	7.3	3.27	0.55		0.07		0.16	0.	61.		10.
21	1	1986	Y	C4	600	4.8	4.7	4.5	21.	20.9	20.7					33.	53.	7.6	2.63	0.35		0.08		0.33	0.05	39.		36.
21	1	1986	Y	C6	600	5.4	5.4	5.3	21.1	20.9	20.8	26.	26.	21.	21.	46.	62.	7.6	3.27	0.29		0.07		0.29	0.02	45.		40.
21	1	1986	Y	C9	600	5.3	5.2	5.	20.9	20.7	20.5					59.	68.	7.8	0.	0.24		0.07		0.18	0.02	30.		12.
21	1	1986	Y	D11	600	5.3	5.3	5.2	21.	20.8	20.7	30.	30.	19.	20.	50.	60.	7.5	1.19	0.29		0.08		0.29	0.02	45.		62.
21	1	1986	Y	D2	600	5.7	5.7	5.4	21.	20.8	20.6	29.	27.	20.	20.	59.	60.	7.8	1.35	0.23		0.04		0.18	0.01	48.		31.
21	1	1986	Y	D4	600	3.7	3.6	3.6	21.2	21.	20.9					65.	72.	7.7	1.31	0.13		0.05		0.11	0.	53.		17.
21	1	1986	Y	D7	600	5.5	5.3	5.3	21.3	21.	20.9					50.	68.	7.5	1.03	0.15		0.07		0.05	0.	66.		5.

Table 3. Weekly and Twice Weekly Measurements. Rwanda, Cycle III, 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
21	1	1986	Y	D8	600	4.3	4.2	4.1	21.8	21.4	21.2					66.	83.	7.7	0.71	0.15		0.03		0.07	0.01	68.		10.
28	1	1986	Y	C1	600	4.8	4.5	4.3	21.9	21.9	21.9					47.	61.	7.6	0.83	0.34		0.05		0.16	0.01	46.		24.
28	1	1986	Y	C4	600	5.4	5.4	5.4	21.8	21.8	21.8					54.	54.	7.6	1.41	0.27		0.06		0.28	0.01	42.		36.
28	1	1986	Y	C6	600	5.6	5.6	5.8	21.8	21.8	21.6	28.	27.	22.	22.	48.	61.	7.6	1.8	0.11		0.05		0.18	0.	40.		36.
28	1	1986	Y	C9	600	5.7	5.4	5.4	21.1	21.2	21.2					59.	74.	7.6	1.13	0.18		0.08		0.2	0.01	32.		24.
28	1	1986	Y	D11	600	5.2	5.	5.	21.2	21.2	21.2	30.	26.	20.	21.	54.	53.	7.5	1.08	0.37		0.14		0.26	0.	42.		48.
28	1	1986	Y	D2	600	5.7	5.7	5.7	21.5	21.5	21.5	27.	27.	21.	20.	46.	54.	7.5	1.47	0.21		0.07		0.18	0.	43.		48.
28	1	1986	Y	D4	600	4.6	4.6	4.6	21.1	21.2	21.2					68.	74.	7.4	0.67	0.34		0.05		0.12	0.	35.		24.
28	1	1986	Y	D7	600	6.4	6.4	6.2	21.9	21.9	21.9					59.	72.	7.6	0.85	0.32		0.11		0.12	0.	57.		36.
28	1	1986	Y	D8	600	4.3	4.2	4.2	21.5	21.5	21.5					88.	93.	7.5	0.66	0.39		0.05		0.2	0.02	50.		24.
4	2	1986	Y	C1	600	4.3	4.3	4.3	21.5	21.	20.8					45.	66.	7.6	1.71	0.21		0.06		0.16	0.	38.		64.
4	2	1986	Y	C4	600	3.9	3.9	3.9	21.1	20.5	20.3					44.	66.	7.7	2.12	0.21		0.05		0.26	0.01	39.		40.
4	2	1986	Y	C6	600	3.7	3.7	3.6	20.9	20.4	20.4	27.	22.	21.	21.	52.	62.	7.8	2.2	0.17		0.05		0.25	0.01	30.		60.
4	2	1986	Y	C9	600	4.5	4.5	4.4	21.	20.4	20.2					61.	74.	7.7	1.45	0.37		0.07		0.17	0.	31.		10.
4	2	1986	Y	D11	600	3.1	3.	3.	21.1	21.1	20.	28.	27.	19.	20.	52.	62.	7.5	2.53	0.06		0.07		0.32	0.01	41.		55.
4	2	1986	Y	D2	600	4.	3.9	3.9	20.9	20.6	20.4	26.	25.	20.	19.	50.	63.	7.7	1.71	0.1		0.04		0.14	0.	42.		62.
4	2	1986	Y	D4	600	2.5	2.4	2.4	21.1	20.4	20.2					66.	75.	7.6	1.71	0.12		0.04		0.1	0.	34.		40.
4	2	1986	Y	D7	600	4.7	4.7	4.7	21.	20.6	20.4					58.	72.	7.7	1.36	0.35		0.05		0.11	0.	47.		26.
4	2	1986	Y	D8	600	3.9	3.9	3.9	21.	20.6	20.5					72.	89.	7.7	1.65	0.22		0.04		0.16	0.01	48.		26.
11	2	1986	Y	C1	600	5.	5.1	5.1	21.4	20.8	20.8					50.	63.	7.3	0.85	0.21		0.02		0.18	0.	40.		40.
11	2	1986	Y	C4	600	4.9	4.9	4.9	21.1	21.3	21.3					50.	69.	7.5	1.28	0.09		0.03		0.35	0.03	43.		43.
11	2	1986	Y	C6	600	6.	5.8	5.7	21.1	21.1	21.1	28.	25.	20.	21.	56.	66.	7.6	1.48	0.04		0.07		0.27	0.01	36.		40.
11	2	1986	Y	C9	600	5.4	5.4	5.4	21.1	21.1	21.1					68.	65.	7.5	0.77	0.07		0.02		0.18	0.	34.		26.
11	2	1986	Y	D11	600	4.8	4.8	4.6	21.	21.	21.	28.	26.	19.	20.	48.	56.	7.3	1.35	0.01		0.04		0.32	0.01	39.		69.
11	2	1986	Y	D2	600	5.8	5.8	5.8	21.1	21.1	21.1	27.	25.	20.	20.	49.	68.	7.4	0.92	0.06		0.05		0.16	0.01	33.		48.
11	2	1986	Y	D4	600	4.9	4.9	4.8	21.	21.	21.					69.	72.	7.4	1.15	0.01		0.04		0.17	0.	38.		45.
11	2	1986	Y	D7	600	5.8	5.8	5.8	21.8	21.8	21.7					57.	68.	7.5	0.71	0.01		0.02		0.11	0.	46.		31.
11	2	1986	Y	D8	600	4.9	4.9	4.8	21.5	21.5	21.5					76.	74.	7.6	0.77	0.05		0.04		0.12	0.	48.		31.
18	2	1986	Y	C1	530	5.	5.	5.	23.	21.5	21.					48.	74.	7.6	1.73	0.34				0.13	0.	91.		21.
18	2	1986	Y	C4	536	5.7	5.7	5.4	23.	21.8	21.5					54.	66.	8.3	2.62	0.28				0.39	0.	73.		38.
18	2	1986	Y	C6	540	4.9	4.9	4.9	24.	29.3	22.	28.	26.	21.	22.	57.	75.	7.9	2.52	0.36				0.28	0.01	88.		26.
18	2	1986	Y	C9	545	5.6	5.6	5.6	24.	22.2	21.8					60.	83.	7.9	1.56	0.33				0.16	0.	59.		10.
18	2	1986	Y	D2	550	5.3	5.4	5.4	24.	22.4	22.	27.	25.	21.	20.	58.	68.	7.8	1.97	0.28				0.18	0.01	79.		14.
18	2	1986	Y	D4	558	4.8	4.8	4.7	23.	22.3	21.8					67.	83.	7.7	2.23	0.32				0.13	0.	42.		7.
18	2	1986	Y	D7	611	5.6	5.6	5.6	24.3	23.7	22.					55.	66.	7.8	1.35	0.35				0.13	0.	88.		29.
18	2	1986	Y	D8	620	5.2	5.1	5.1	24.	23.	22.2					77.	92.	7.8	1.71	0.31				0.16	0.06	90.		5.
18	2	1986	Y	D11	630	5.7	5.6	5.6	24.	22.8	22.2	28.	25.	21.	21.	50.	54.	7.9	2.76	0.4				0.36	0.01	93.		31.
25	2	1986	Y	C1	600	4.3	4.9	4.9	22.	21.8	21.8					53.	65.	7.2		0.		0.05		0.27	0.01	43.	47.	48.
25	2	1986	Y	C4	600	4.9	4.3	4.3	22.	21.5	21.5					63.	89.	7.4		0.45		0.07		0.29	0.03	30.	31.	36.
25	2	1986	Y	C6	600	3.4	3.9	3.3	22.	21.8	21.7	27.	26.	20.	20.	66.	78.	7.3		0.61		0.07		0.24	0.02	31.	35.	36.
25	2	1986	Y	C9	600	5.2	5.2	4.1	21.9	21.7	21.7					76.	93.	7.5		0.48		0.04		0.15	0.03	30.	31.	36.
25	2	1986	Y	D11	600	3.9	3.9	3.6	21.5	21.2	21.2	29.	25.	19.	19.	46.	59.	7.3		0.21		0.09		0.25	0.06	31.	30.	71.
25	2	1986	Y	D2	600	4.9	4.9	4.7	21.9	21.6	21.6	27.	27.	20.	19.	59.	74.	7.4		0.43		0.04		0.15	0.02	30.	26.	48.
25	2	1986	Y	D4	600	4.2	4.1	4.	21.5	21.2	21.2					70.	78.	7.4		0.12		0.04		0.13	0.01	41.	31.	36.
25	2	1986	Y	D7	600	5.3	5.2	5.2	21.9	21.8	21.8					54.	62.	7.2		0.61		0.03		0.14	0.02	42.	38.	48.

Table 3. Weekly and Twice Weekly Measurements. Rwanda, Cycle III, 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
25	2	1986	Y	D8	600	4.8	4.7	4.7	22.	21.9	21.9					83.	92.	7.4		0.18		0.04		0.27	0.02	47.	46.	24.
4	3	1986	Y	C1	600	4.9	4.9	4.9	21.9	20.9	20.8					55.	73.	7.2	1.64	0.1		0.04		0.19	0.01	79.	71.	24.
4	3	1986	Y	C4	600	5.	4.9	4.9	21.	20.5	20.4					69.	84.	7.5	1.02	0.17		0.06		0.34	0.01	61.	55.	24.
4	3	1986	Y	C6	600	5.3	5.2	5.2	21.9	21.	20.9	27.	26.	20.	20.	56.	72.	7.5	1.53	0.16		0.08		0.21	0.01	77.	61.	36.
4	3	1986	Y	C9	600	5.4	5.4	5.4	21.8	21.	20.8					67.	81.	7.8	1.05	0.14		0.04		0.18	0.01	81.	63.	24.
4	3	1986	Y	D11	600	5.	4.9	4.9	21.7	20.6	20.3	28.	24.	19.	19.	44.	50.	7.5	1.87	0.06		0.14		0.23	0.02	69.	59.	48.
4	3	1986	Y	D2	600	6.1	6.	6.	21.8	21.	20.9	26.	26.	20.	18.	52.	62.	7.8	1.41	0.06		0.05		0.16	0.01	77.	67.	48.
4	3	1986	Y	D4	600	4.1	4.1	4.1	21.8	20.9	20.8					74.	86.	7.5	2.11	0.08		0.05		0.18	0.01	81.	65.	12.
4	3	1986	Y	D7	600	4.6	4.6	4.6	21.8	21.	20.8					52.	62.	7.4	1.41	0.13		0.05		0.17	0.02	67.	63.	12.
4	3	1986	Y	D8	600	4.4	4.3	4.3	21.9	21.4	21.2					78.	89.	7.4	1.58	0.11		0.05		0.2	0.02	97.	81.	24.
11	3	1986	Y	C1	550	5.4	5.4	5.3	21.4	21.4	21.4					56.	96.	7.4	1.13	0.19		0.05		0.21	0.02	65.	63.	36.
11	3	1986	Y	C4	555	5.7	5.7	5.7	21.1	21.1	21.1					70.	101.	7.4	2.01	0.18		0.06		0.28	0.02	49.	47.	60.
11	3	1986	Y	C6	558	5.2	5.1	5.1	21.9	21.9	21.9	27.	25.	21.	21.	58.	93.	7.5	1.29	0.19		0.06		0.21	0.02	75.	67.	36.
11	3	1986	Y	C9	601	5.4	5.4	5.4	21.8	21.8	21.8					68.	110.	7.6	1.2	0.15		0.02		0.14	0.01	75.	69.	12.
11	3	1986	Y	D2	610	7.3	7.3	7.2	21.3	21.3	21.3	27.	24.	20.	20.	51.	87.	7.5	0.94	0.31		0.06		0.25	0.02	75.	65.	48.
11	3	1986	Y	D4	612	5.1	5.	5.	21.3	21.3	21.3					70.	120.	7.3	1.6	0.22		0.05		0.13	0.01	83.	67.	36.
11	3	1986	Y	D7	617	6.1	6.1	6.1	21.2	21.2	21.2					47.	81.	7.4	1.33	0.2		0.06		0.16	0.02	71.	61.	36.
11	3	1986	Y	D8	620	4.7	4.7	4.7	21.8	21.8	21.8					73.	122.	7.3	0.85	0.17		0.05		0.22	0.01	89.	81.	36.
11	3	1986	Y	D11	625	5.3	5.3	5.3	21.5	21.5	21.5	28.	25.	19.	19.	42.	65.	7.4	1.88	0.23		0.07		0.37	0.02	71.	49.	83.
18	3	1986	Y	C1	550	5.9	5.8	5.4	22.8	21.5	21.					53.	98.	7.3	0.	0.31		0.05		0.25	0.02	73.	69.	36.
18	3	1986	Y	C4	555	5.3	5.3	5.3	21.8	21.	20.4					67.	102.	7.9	1.02	0.45		0.07		0.31	0.02	59.	51.	36.
18	3	1986	Y	C6	603	5.1	5.1	5.	22.3	21.8	21.3	26.	26.	21.	21.	54.	93.	8.	1.4	0.47		0.07		0.29	0.02	71.	61.	60.
18	3	1986	Y	C9	607	4.9	4.9	4.9	22.	21.6	21.1					64.	111.	7.6	0.46	0.53		0.04		0.16	0.02	63.	59.	12.
18	3	1986	Y	D2	612	6.9	6.9	6.9	22.	21.	20.5	27.	25.	20.	19.	47.	86.	8.9	0.63	0.32		0.05		0.26	0.02	63.	55.	48.
18	3	1986	Y	D4	616	3.7	3.7	3.6	22.7	21.3	21.					73.	123.	7.6	1.02	0.53		0.05		0.13	0.01	75.	71.	24.
18	3	1986	Y	D7	621	5.1	5.1	5.1	22.5	21.5	21.					42.	84.	7.4	0.94	0.4		0.04		0.18	0.01	91.	79.	24.
18	3	1986	Y	D8	625	4.2	4.2	4.2	23.	21.6	21.3					77.	123.	7.3	1.33	0.5		0.04		0.27	0.01	81.	75.	36.
18	3	1986	Y	D11	629	4.4	4.4	4.3	22.5	21.5	21.1	28.	25.	18.	20.	43.	68.	7.9	1.35	0.53		0.05		0.39	0.03	67.	61.	95.
25	3	1986	Y	C1	620	4.5	4.5	4.5	21.	21.	21.					48.	110.	7.2	1.49	0.27		0.05		0.24	0.01	36.	35.	48.
25	3	1986	Y	C4	627	4.7	4.7	4.7	19.1	19.4	19.1					68.	104.	7.4	1.9	0.05		0.06		0.46	0.04	34.	31.	48.
25	3	1986	Y	C6	630	5.9	5.8	5.8	19.3	19.4	19.8	28.	25.	21.	21.	53.	98.	7.3	1.25	0.34		0.07		0.3	0.01	37.	32.	60.
25	3	1986	Y	C9	632	5.7	5.7	5.7	20.5	20.5	20.6					51.	78.	7.5	1.1	0.08		0.02		0.16	0.01	37.	36.	24.
25	3	1986	Y	D2	634	6.3	6.2	6.2	20.4	20.5	20.6	27.	24.	20.	19.	44.	75.	7.6	1.67	0.22		0.04		0.17	0.01	35.	34.	60.
25	3	1986	Y	D4	635	4.3	4.3	4.3	20.1	20.1	20.1					74.	114.	7.3	1.79	0.26		0.03		0.15	0.	34.	33.	36.
25	3	1986	Y	D7	636	5.4	5.3	5.4	20.5	20.5	20.5					48.	120.	7.2	1.04	0.24		0.02		0.17	0.01	33.	32.	36.
25	3	1986	Y	D8	637	4.8	4.8	4.8	20.5	20.6	20.7					73.	119.	7.2	2.34	0.27		0.04		0.38	0.01	42.	41.	36.
25	3	1986	Y	D11	640	3.4	3.3	3.2	20.	20.	20.	30.	24.	20.	20.	38.	72.	7.2	2.42	0.08		0.08		0.5	0.03	32.	30.	48.
1	4	1986	Y	C1	555	4.7	4.7	4.7	23.8	22.6	21.7					50.	92.	7.4		0.06		0.06		0.23	0.01	73.	65.	24.
1	4	1986	Y	C4	600	6.5	6.5	6.4	24.7	23.5	22.7					64.	107.	8.4		0.29		0.06		0.31	0.02	79.	69.	36.
1	4	1986	Y	C6	604	6.5	6.5	6.5	24.9	24.8	23.	26.	25.	22.	22.	54.	87.	8.4		0.21		0.05		0.24	0.01	79.	63.	48.
1	4	1986	Y	C9	609	4.8	4.8	4.8	24.6	23.5	22.6					62.	111.	7.8		0.21		0.05		0.15	0.01	57.	55.	24.
1	4	1986	Y	D2	614	8.3	8.2	8.1	23.8	22.2	22.	25.	24.	21.	20.	44.	83.	9.3		0.23		0.09		0.24	0.01	49.	47.	107.
1	4	1986	Y	D4	620	4.3	4.3	4.3	24.2	23.8	22.5					71.	113.	7.6		0.12		0.07		0.13	0.	83.	79.	24.
1	4	1986	Y	D7	624	5.9	5.9	5.9	24.8	24.	23.4					46.	77.	7.6		0.03		0.05		0.17	0.01	81.	71.	48.
1	4	1986	Y	D8	626	5.	5.	5.	25.	24.5	23.6					71.	113.	7.5		0.18		0.06		0.23	0.01	89.	81.	12.

Table 3. Weekly and Twice Weekly Measurements. Rwanda, Cycle III, 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
1	4	1986	Y	D11	630	4.4	4.4	4.4	24.2	23.8	23.	26.	25.	21.	21.	41.	63.	7.5		0.16		0.08		0.35	0.02	67.	63.	71.
8	4	1986	Y	C1	600	6.2	6.2	6.2	21.8	21.8	21.8					54.	84.	7.3	0.82	0.05		0.04		0.12	0.	99.	99.	24.
8	4	1986	Y	C4	605	5.6	6.5	6.7	21.2	21.2	21.2					61.	90.	8.	3.18	0.05		0.05		0.27	0.01	91.	81.	12.
8	4	1986	Y	C6	609	4.9	5.9	6.5	21.3	21.3	21.1	26.	25.	21.	22.	42.	77.	7.6	1.11	0.05		0.05		0.23	0.02	99.	99.	12.
8	4	1986	Y	C9	613	4.4	5.6	5.9	21.	21.	20.8					63.	98.	7.7	0.94	0.07		0.06		0.13	0.01	83.	75.	12.
8	4	1986	Y	D2	618	2.9	4.9	5.8	20.1	20.1	19.1	25.	24.	20.	19.	39.	62.	7.7	2.14	0.07		0.11		0.29	0.01	41.	41.	131.
8	4	1986	Y	D4	622	2.3	3.9	4.9	20.6	20.6	20.4					65.	101.	7.3	1.25	0.05		0.06		0.12	0.	97.	75.	24.
8	4	1986	Y	D7	628	5.4	5.7	6.1	21.	21.	20.9					41.	72.	7.3	1.28	0.02		0.05		0.14	0.	99.	97.	36.
8	4	1986	Y	D8	632	5.7	5.8	5.9	21.	21.	21.					62.	98.	7.3	1.17	0.12		0.04		0.19	0.01	99.	89.	24.
8	4	1986	Y	D11	636	3.2	5.4	5.9	21.	21.	20.9	28.	27.	15.	19.	38.	60.	7.3	1.8	0.06		0.09		0.42	0.04	78.	75.	167.
15	4	1986	Y	C1	600	4.8	4.8	4.8	22.	22.	22.					8.	90.	7.1	9.49	0.06		0.04		0.18	0.01	89.	81.	29.
15	4	1986	Y	C4	605	6.	6.	6.1	21.8	21.9	21.9					58.	103.	7.6	4.66	0.05		0.04		0.34	0.04	83.	79.	37.
15	4	1986	Y	C6	610	4.4	4.4	4.4	22.	22.	22.	28.	26.	21.	22.	53.	96.	7.3	1.48	0.06		0.06		0.3	0.05	99.	99.	22.
15	4	1986	Y	C9	615	5.1	5.1	5.1	21.4	21.4	21.4					57.	122.	7.4	0.71	0.04		0.02		0.17	0.01	65.	57.	26.
15	4	1986	Y	D2	619	3.2	3.2	3.2	21.2	21.2	21.2	27.	24.	21.	20.	37.	70.	7.1	2.08	0.08		0.04		0.25	0.	81.	75.	62.
15	4	1986	Y	D4	623	3.7	3.7	3.7	21.5	21.6	21.6					59.	103.	7.	0.	0.05		0.04		0.14	0.	83.	79.	14.
15	4	1986	Y	D7	625	4.6	4.6	4.6	22.	22.	22.1					38.	90.	7.	0.	0.03		0.02		0.16	0.	87.	83.	18.
15	4	1986	Y	D8	627	5.1	5.1	5.1	21.9	21.9	22.					56.	115.	7.3	0.	0.03		0.02		0.23	0.01	81.	81.	18.
15	4	1986	Y	D11	630	2.6	2.6	2.6	21.5	21.5	21.5	29.	26.	20.	20.	41.	70.	7.1	0.	0.11		0.12		0.46	0.1	81.	79.	48.
22	4	1986	Y	C1	610	4.8	4.8	4.8	21.	21.	21.					46.	90.	7.1	2.76	0.11		0.07		0.16	0.	93.	87.	21.
22	4	1986	Y	C4	613	6.7	6.7	6.7	20.9	20.9	20.9					56.	90.	8.1	6.99	0.15		0.04		0.4	0.03	67.	63.	134.
22	4	1986	Y	C6	616	4.8	4.8	4.8	21.	21.	21.	27.	26.	21.	21.	51.	96.	7.4	2.41	0.06		0.05		0.31	0.04	82.	83.	25.
22	4	1986	Y	C9	620	6.	6.	6.	20.9	20.9	20.9					53.	115.	7.5	2.87	0.09		0.04		0.12	0.01	69.	65.	26.
22	4	1986	Y	D2	623	5.2	5.2	5.2	20.8	20.8	20.8	26.	25.	20.	20.	36.	83.	7.3	1.88	0.12		0.08		0.2	0.02	77.	71.	38.
22	4	1986	Y	D4	625	3.8	3.8	3.8	20.3	20.8	20.8					57.	103.	7.1	0.65	0.08		0.04		0.1	0.01	84.	79.	14.
22	4	1986	Y	D7	628	4.8	4.8	4.8	21.	21.	21.					38.	83.	7.1	2.76	0.06		0.04		0.15	0.01	93.	87.	22.
22	4	1986	Y	D8	630	4.8	4.8	4.8	21.	21.	21.					54.	96.	7.3	1.88	0.08		0.04		0.18	0.01	99.	99.	11.
22	4	1986	Y	D11	632	4.2	4.2	4.2	20.3	20.3	20.3	26.	25.	20.	20.	37.	83.	7.1	2.58	0.08		0.13		0.53	0.07	53.	47.	100.
29	4	1986	Y	C1	611	5.	5.	4.9	22.	22.	22.					43.	90.	7.1	2.44	0.07		0.04		0.17	0.01	41.		2.
29	4	1986	Y	C6	635	6.2	6.1	6.1	22.	22.	22.	27.	27.	21.	21.	50.	90.	7.4	1.51	0.05		0.04		0.35	0.04	49.		12.
29	4	1986	Y	C9	640	5.7	5.6	5.6	22.	22.	22.					49.	96.	7.6	1.47	0.01		0.02		0.09	0.01	59.		4.
29	4	1986	Y	D2	645	6.3	6.3	6.3	21.	21.	21.	26.	25.	21.	20.	35.	70.	7.3	2.83	0.05		0.09		0.21	0.03	40.		16.
29	4	1986	Y	D4	648	5.1	5.1	5.1	21.	21.	21.					53.	96.	7.1	2.44	0.09		0.03		0.11	0.01	52.		15.
29	4	1986	Y	D7	655	6.4	6.4	6.4	22.	22.	22.					36.	70.	7.1	1.93	0.07		0.01		0.38	0.01	64.		11.
29	4	1986	Y	D8	700	6.4	6.4	6.4	22.	22.	22.					51.	122.	7.3	0.89	0.04		0.06		0.12	0.01	81.		4.
29	4	1986	Y	D11	705	4.4	4.4	4.	21.	21.	21.	28.	26.	20.	20.	36.	51.	7.1	1.86	0.		0.12		0.45	0.08	39.		37.
29	4	1986	Y	C4	753	8.4	8.	1.5	21.	21.	21.					49.	90.	9.4	10.43	0.31		0.04		0.42	0.01	19.		138.
6	5	1986	Y	C1	600	4.6	4.6	4.6	22.9	22.9	23.					45.	115.	7.2	2.88	0.08		0.07		0.16	0.01	44.	40.	15.
6	5	1986	Y	C4	605	4.7	4.7	4.7	22.1	22.1	22.2					49.	83.	9.2	3.98	0.		0.09		0.34	0.	25.	24.	74.
6	5	1986	Y	C6	610	4.6	4.6	4.6	23.	23.1	23.1	29	27.	23.	24.	55.	96.	7.3	0.31	0.		0.09		0.31	0.02	45.	43.	15.
6	5	1986	Y	C9	614	5.4	5.4	5.	23.	23.	23.					50.	96.	7.8	0.	0.		0.04		0.1	0.	67.	62.	6.
6	5	1986	Y	D2	619	5.6	5.6	5.6	22.2	22.2	22.2	30.	27.	22.	22.	37.	77.	7.4	0.	0.		0.1		0.3	0.03	30.	26.	26.
6	5	1986	Y	D4	624	3.8	3.8	3.8	22.8	22.8	22.8					57.	103.	7.	0.	0.22		0.06		0.11	0.	42.	34.	7.
6	5	1986	Y	D7	628	5.	5.	5.	23.	23.	23.1					38.	70.	7.1	0.31	0.14		0.04		0.11	0.03	47.	44.	11.
6	5	1986	Y	D8	632	5.2	5.2	5.2	23.	23.	23.					54.	96.	7.3	0.	0.08		0.05		0.12	0.	52.	53.	14.

Table 3. Weekly and Twice Weekly Measurements. Rwanda, Cycle III, 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	SECHI DISK A	SECHI DISK B	CHLOR-OPHYLL A
6	5	1986	Y	D11	636	3.8	3.8	3.8	22.2	22.2	22.2	29.	28.	22.	18.	38.	83.	7.2	0.59	0.4		0.09		0.4	0.05	43.	40.	26.
13	5	1986	Y	C1	600	5.2	5.2	5.1	22.	22.	22.					30.	141.	7.5	5.2	0.19		0.08		0.2	0.02	32.	31.	17.
13	5	1986	Y	C4	608	2.8	2.6	2.6	22.	22.	22.					58.	141.	7.6	8.82	0.06		0.1		0.38	0.04	42.	38.	70.
13	5	1986	Y	C6	610	4.7	4.7	4.7	22.	22.	22.	29.	28.	22.	22.	57.	109.	7.4	1.74	0.14		0.05		0.3	0.02	35.	37.	25.
13	5	1986	Y	C9	615	6.	6.	6.	21.5	21.5	21.5					42.	135.	7.5	3.23	0.17		0.03		0.14	0.01	39.	36.	1.
13	5	1986	Y	D2	617	6.2	6.2	6.2	21.	21.	21.	28.	26.	21.	21.	41.	141.	7.6	7.43	0.12		0.07		0.38	0.04	32.	29.	47.
13	5	1986	Y	D4	622	3.9	3.9	3.9	21.5	21.5	21.5					54.	128.	7.1	2.24	0.01		0.05		0.1	0.01	45.	40.	14.
13	5	1986	Y	D7	625	5.6	5.6	5.6	22.	22.	22.					38.	122.	7.1	1.	0.		0.03		0.1	0.01	60.	56.	11.
13	5	1986	Y	D6	627	5.6	5.6	5.6	22.	22.	22.					55.	128.	7.4	0.75	0.14		0.04		0.2	0.02	61.	51.	8.
13	5	1986	Y	D11	630	4.3	4.3	4.3	21.	21.	21.	30.	27.	21.	21.	45.	96.	7.2	5.2	0.13		0.05		0.37	0.02	36.	46.	32.

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Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
22	7	1986	545	C1	8.	8.	8.	18.	18.	18.	7.1
22	7	1986	556	C4	6.9	6.9	6.9	18.	18.	18.	7.8
22	7	1986	559	C6	8.8	8.8	8.8	18.	18.	18.	8.1
22	7	1986	603	C9	7.2	7.2	7.2	18.	18.	18.	7.6
22	7	1986	606	D2	6.3	6.3	6.3	18.	18.	18.	6.9
22	7	1986	609	D4	5.5	5.5	5.5	18.	18.	18.	6.8
22	7	1986	612	D7	6.2	6.2	6.2	18.	18.	18.	6.9
22	7	1986	615	D8	5.8	5.8	5.8	18.	18.	18.	6.8
22	7	1986	620	D11	7.	7.	7.	17.5	17.5	17.5	6.9
22	7	1986	938	C1	8.8	7.7	6.5	18.5	18.	18.	7.3
22	7	1986	944	C4	7.8	7.1	6.1	19.	18.5	18.	7.9
22	7	1986	948	C6	9.6	8.9	8.3	19.	18.5	18.	8.5
22	7	1986	950	C9	7.6	7.2	7.	19.	18.5	18.	7.8
22	7	1986	955	D2	7.2	6.5	6.	18.5	18.	18.	7.1
22	7	1986	1000	D4	6.6	5.2	4.5	18.	18.	18.	7.
22	7	1986	1005	D7	7.	6.	5.5	19.	18.	17.5	6.9
22	7	1986	1010	D8	6.6	6.3	5.4	18.5	18.	18.	6.9
22	7	1986	1015	D11	9.3	7.5	5.7	18.5	17.5	17.5	7.
22	7	1986	1335	C1	11.8	9.5	7.2	21.	19.	18.	7.6
22	7	1986	1340	C4	10.6	9.5	6.7	22.	19.	18.5	9.2
22	7	1986	1345	C6	13.4	11.8	8.7	22.	19.	18.5	8.9
22	7	1986	1350	C9	8.9	8.8	8.1	21.5	19.	18.5	8.3
22	7	1986	1355	D2	10.	8.9	6.9	22.	19.	18.	8.
22	7	1986	1358	D4	9.8	6.9	4.9	22.	19.	18.	7.4
22	7	1986	1401	D7	8.7	6.9	6.1	22.5	18.5	18.	7.2
22	7	1986	1405	D8	8.3	8.	6.4	22.	20.	18.5	7.2
22	7	1986	1410	D11	12.2	10.	5.2	22.	18.	17.5	8.3
22	7	1986	1745	C1	11.	9.1	5.9	24.	19.	18.5	7.6
22	7	1986	1752	C4	10.6	9.8	6.4	23.	19.5	18.5	9.1
22	7	1986	1755	C6	13.4	12.1	9.6	23.	19.5	18.5	9.7
22	7	1986	1800	C9	8.7	8.4	7.9	22.5	20.	18.5	8.3
22	7	1986	1805	D2	10.6	8.7	6.5	22.5	18.7	18.5	8.1
22	7	1986	1808	D4	8.6	5.7	4.1	23.	18.5	18.	7.5
22	7	1986	1810	D7	8.2	7.7	5.8	23.	19.	18.	7.5
22	7	1986	1817	D8	8.	7.8	5.5	23.	19.	18.5	7.4
22	7	1986	1823	D11	10.8	9.3	4.7	22.5	19.	17.5	8.2
22	7	1986	[illegible]	C1	10.	9.2	5.5	21.	19.	18.5	7.3
22	7	1986	[illegible]	[illegible]	9.6	9.5	5.2	21.	19.5	18.5	8.8
22	7	1986	2140	C6	12.4	12.	7.8	21.	19.5	18.5	9.3
22	7	1986	2145	C9	8.6	8.6	7.5	20.5	20.	18.5	7.6
22	7	1986	2150	D2	9.	7.9	5.6	20.5	19.	18.	7.5
22	7	1986	2155	D4	7.7	6.6	3.5	20.5	19.	18.	7.1
22	7	1986	2200	D7	7.7	7.3	5.2	20.5	19.	18.	7.
22	7	1986	2204	D8	7.5	7.5	5.1	20.5	20.	18.5	7.4

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
22	7	1986	2210	D11	9.8	9.4	3.8	20.	19.	18.	7.2
23	7	1986	130	C1	9.4	9.	5.3	19.5	19.5	18.5	7.1
23	7	1986	135	C4	9.	8.6	3.7	19.5	19.5	18.5	8.8
23	7	1986	140	C6	13.4	6.9	6.2	19.	19.	18.5	9.3
23	7	1986	145	C9	7.8	7.6	7.3	19.	19.	19.	7.6
23	7	1986	150	D2	8.1	7.9	4.6	19.	19.	18.	7.3
23	7	1986	200	D4	6.6	6.2	3.	19.	19.	18.	7.1
23	7	1986	203	D7	7.3	7.1	5.1	19.	19.	18.	7.2
23	7	1986	208	D8	7.	6.9	3.5	19.	19.	18.5	7.
23	7	1986	215	D11	8.9	8.5	3.	18.5	18.5	18.	7.4
23	7	1986	544	C1	7.9	7.9	7.9	18.	18.	18.	7.
23	7	1986	550	C4	7.5	7.5	7.5	18.	18.	18.	6.9
23	7	1986	600	C6	9.6	9.5	9.5	18.	18.	18.	7.
23	7	1986	612	C9	7.	7.	7.	18.	18.	18.	6.8
23	7	1986	617	D2	6.7	6.6	6.6	18.	18.	18.	7.1
23	7	1986	625	D4	5.2	5.2	5.1	18.	18.	18.	7.5
23	7	1986	635	D7	6.1	6.1	6.	18.	18.	18.	9.
23	7	1986	640	D8	5.9	5.8	5.8	18.	18.	18.	8.2
23	7	1986	650	D11	6.5	5.5	5.5	18.	18.	18.	7.1
5	8	1986	540	C1	10.	9.9	9.7	20.	20.	20.	8.8
5	8	1986	546	C4	8.1	7.8	3.4	19.	19.	19.	9.1
5	8	1986	551	C6	7.3	7.3	7.3	20.	20.	20.	8.4
5	8	1986	600	C9	6.7	6.7	6.7	19.	19.	19.	8.1
5	8	1986	605	D2	7.1	7.1	2.1	19.5	19.5	19.5	8.3
5	8	1986	610	D4	6.3	6.2	5.5	19.5	19.5	19.5	7.3
5	8	1986	616	D7	6.9	6.9	6.7	20.	20.	19.5	7.2
5	8	1986	620	D8	6.5	6.3	6.3	19.5	19.5	19.5	7.1
5	8	1986	625	D11	7.1	6.9	2.5	19.	19.	19.	7.2
5	8	1986	958	C1	10.6	9.7	8.5	21.	20.	20.	8.7
5	8	1986	1003	C4	9.9	8.7	7.6	21.	20.	19.5	9.
5	8	1986	1006	C6	8.9	8.2	6.7	22.	20.	20.	8.7
5	8	1986	1011	C9	7.9	7.8	7.3	21.	20.5	20.	8.1
5	8	1986	1016	D2	9.4	7.2	6.9	21.	20.	19.5	8.2
5	8	1986	1020	D4	8.8	6.5	6.	21.	20.	19.5	7.3
5	8	1986	1025	D7	8.6	8.2	7.6	21.	20.	20.	7.3
5	8	1986	1029	D8	9.6	6.6	5.3	21.	20.	19.5	7.6
5	8	1986	1034	D11	9.9	6.8	5.3	20.5	19.	19.	7.3
5	8	1986	1340	C1	12.6	12.4	9.3	26.	22.	20.	9.3
5	8	1986	1344	C4	12.6	10.4	6.3	26.	21.5	20.	9.4
5	8	1986	1347	C6	11.8	9.5	4.9	27.	20.5	20.	9.1
5	8	1986	1350	C9	8.6	8.6	7.	26.	21.5	20.5	8.7
5	8	1986	1357	D2	11.8	8.3	5.5	24.5	20.5	20.	9.1
5	8	1986	1402	D4	11.8	7.7	5.3	25.	20.	20.	7.9
5	8	1986	1410	D7	9.6	9.4	8.5	25.	21.	20.	8.1
5	8	1986	1414	D8	11.2	11.	4.6	26.	21.	20.	8.3

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
5	8	1986	1420	D11	12.2	7.6	3.6	26.	20.	19.5	8.2
5	8	1986	1753	C1	12.6	12.2	7.5	26.	21.5	20.	9.4
5	8	1986	1757	C4	13.2	10.8	5.4	20.5	20.2	19.5	9.8
5	8	1986	1803	C6	12.	10.8	4.5	25.5	21.	20.	9.5
5	8	1986	1810	C9	9.	9.	6.7	25.	21.	20.	8.7
5	8	1986	1814	D2	10.8	1.6	1.8	25.	21.	20.	9.3
5	8	1986	1820	D4	9.8	8.2	4.1	25.	20.5	20.	8.6
5	8	1986	1823	D7	9.8	9.5	7.9	25.	21.	20.	8.1
5	8	1986	1825	D8	9.5	8.8	3.9	25.5	21.	20.	8.2
5	8	1986	1830	D11	11.4	7.5	1.6	25.	20.5	19.5	8.9
5	8	1986	2130	C1	11.	9.5	3.1	23.5	21.5	20.	9.3
5	8	1986	2135	C4	11.2	10.6	5.5	23.	21.	20.	9.7
5	8	1986	2140	C6	10.5	9.4	4.3	23.	21.	20.	9.3
5	8	1986	2145	C9	8.3	8.3	5.3	23.	22.	20.5	8.3
5	8	1986	2150	D2	10.5	8.5	1.9	23.	21.5	20.	9.1
5	8	1986	2155	D4	9.	8.5	7.5	23.	21.5	20.	7.8
5	8	1986	2200	D7	9.1	9.1	7.4	23.	21.5	20.	7.8
5	8	1986	2203	D8	8.7	8.2	2.3	23.	21.	20.	8.1
5	8	1986	2210	D11	9.5	7.6	1.7	22.5	21.	19.	8.4
6	8	1986	130	C1	9.7	9.1	1.7	21.5	21.5	20.	9.2
6	8	1986	135	C4	9.9	8.2	2.7	21.	21.	19.5	9.6
6	8	1986	140	C6	8.8	8.5	3.3	21.	21.	20.	9.1
6	8	1986	145	C9	7.1	6.9	4.2	21.	21.	20.	8.5
6	8	1986	150	D2	8.1	7.7	3.1	21.	21.	20.	9.
6	8	1986	155	D4	7.7	6.5	1.1	21.	21.	20.	7.8
6	8	1986	158	D7	7.5	7.5	5.6	21.	21.	20.	7.4
6	8	1986	200	D8	7.8	6.7	2.2	21.	21.	20.	8.1
6	8	1986	205	D11	7.9	6.9	3.6	21.	21.	19.5	7.9
6	8	1986	525	C1	9.1	8.9	8.5	20.5	20.	19.	8.7
6	8	1986	530	C4	8.5	8.	3.5	20.5	20.	20.	9.3
6	8	1986	535	C6	7.1	7.1	5.2	20.	20.	20.	8.2
6	8	1986	540	C9	6.8	6.7	6.7	20.	20.	20.	7.8
6	8	1986	545	D2	7.2	6.8	1.4	20.	20.	20.	8.
6	8	1986	550	D4	6.8	6.6	2.2	20.	20.	20.	7.6
6	8	1986	555	D7	7.3	7.1	7.1	20.	20.	20.	7.5
6	8	1986	600	D8	7.2	7.	4.2	20.	20.	20.	7.4
6	8	1986	605	D11	6.5	6.2	1.9	20.	20.	19.	7.4
19	8	1986	543	C1	8.3	7.9	4.6	19.	19.	19.	8.8
19	8	1986	550	C4	8.	8.	4.	19.	19.	18.5	9.4
19	8	1986	553	C6	8.1	7.9	6.6	19.5	19.	19.	9.2
19	8	1986	557	C9	6.7	6.5	6.3	19.	19.	19.	8.9
19	8	1986	600	D2	8.5	8.5	8.5	19.	19.	19.	9.1
19	8	1986	604	D4	6.8	6.1	6.	19.	19.	19.	7.3
19	8	1986	607	D7	9.9	9.8	9.6	19.	19.	19.	9.
19	8	1986	610	D8	7.3	7.2	7.2	19.	19.	19.	7.4

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
19	8	1986	615	D11	6.4	6.3	6.3	19.	19.	19.	7.9
19	8	1986	930	C1	10.4	7.6	6.4	20.	19.	19.	9.3
19	8	1986	940	C4	11.2	7.9	5.4	19.	19.	19.	9.6
19	8	1986	945	C6	9.7	6.9	6.4	20.	20.	19.5	9.2
19	8	1986	950	C9	8.5	7.3	7.1	20.	19.5	19.	8.8
19	8	1986	957	D2	10.9	8.5	7.9	20.	19.5	19.	9.3
19	8	1986	1004	D4	7.8	6.1	5.1	20.5	20.	19.	7.8
19	8	1986	1010	D7	10.6	10.2	9.	21.	20.	19.5	9.1
19	8	1986	1020	D8	8.7	7.2	6.3	20.5	19.5	19.	8.3
19	8	1986	1025	D11	7.3	5.8	5.7	21.	19.	19.	8.6
19	8	1986	1342	C1	13.6	8.4	7.4	25.5	19.5	19.	9.5
19	8	1986	1347	C4	13.4	9.5	5.1	24.5	19.	19.	9.8
19	8	1986	1351	C6	15.2	8.3	7.1	25.	20.5	20.	9.9
19	8	1986	1356	C9	11.6	9.6	7.8	25.	20.	19.5	9.3
19	8	1986	1401	D2	13.2	12.	8.5	25.	20.	19.	9.8
19	8	1986	1405	D4	11.	7.8	5.8	25.	21.	19.5	8.8
19	8	1986	1410	D7	13.4	13.4	9.9	25.	21.	20.	9.6
19	8	1986	1416	D8	11.2	10.2	7.	24.	20.	19.5	9.
19	8	1986	1420	D11	14.4	5.7	5.4	24.5	19.	19.	9.4
19	8	1986	1745	C1	12.2	8.1	5.6	25.5	20.	19.	9.5
19	8	1986	1750	C4	11.8	9.	4.5	25.	20.	19.	9.8
19	8	1986	1755	C6	14.	8.6	4.7	25.	20.5	19.5	9.8
19	8	1986	1758	C9	12.2	8.3	6.5	25.	20.	19.5	9.4
19	8	1986	1800	D2	16.4	9.8	5.8	25.	20.	19.	9.7
19	8	1986	1803	D4	10.8	7.5	3.5	25.	20.5	19.	8.9
19	8	1986	1807	D7	11.8	11.8	6.5	25.	20.5	19.5	9.5
19	8	1986	1810	D8	9.5	8.8	5.8	25.	20.	19.5	8.9
19	8	1986	1815	D11	11.	4.9	4.9	25.	20.	19.	9.3
19	8	1986	2130	C1	11.	7.6	5.5	23.	20.	19.	9.2
19	8	1986	2139	C4	11.8	8.3	3.7	23.	20.	19.	9.5
19	8	1986	2144	C6	12.4	8.1	2.7	23.	21.	20.	9.5
19	8	1986	2149	C9	11.2	8.5	5.5	22.5	21.	19.	9.2
19	8	1986	2155	D2	12.4	9.1	5.	22.5	20.5	19.	9.6
19	8	1986	2200	D4	9.4	6.5	3.5	22.3	20.5	20.	8.3
19	8	1986	2206	D7	11.8	11.8	7.1	23.	21.	20.	9.3
19	8	1986	2210	D8	9.5	9.1	3.2	23.	20.5	19.5	8.4
19	8	1986	2215	D11	11.	4.5	3.9	22.5	20.5	20.	8.9
20	8	1986	136	C1	9.3	7.5	3.	21.	20.	19.	9.1
20	8	1986	142	C4	9.9	7.7	3.1	20.5	20.	19.	9.5
20	8	1986	147	C6	9.7	7.8	1.2	21.	21.	20.	9.4
20	8	1986	150	C9	9.7	8.5	5.1	21.	21.	19.	9.1
20	8	1986	156	D2	10.6	9.2	3.6	21.	21.	19.	9.5
20	8	1986	202	D4	8.	5.6	2.4	20.5	20.5	19.5	8.2
20	8	1986	209	D7	10.2	9.7	5.1	20.5	20.5	19.5	9.1
20	8	1986	213	D8	8.3	8.1	1.4	21.	21.	19.	8.1

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
20	8	1986	219	D11	8.3	6.6	2.4	20.5	20.5	20.	8.7
20	8	1986	532	C1	8.4	7.4	6.4	20.	20.	19.5	8.7
20	8	1986	540	C4	8.8	8.4	5.7	19.5	19.5	19.	9.3
20	8	1986	548	C6	8.9	7.8	7.7	20.	20.	19.	9.1
20	8	1986	551	C9	8.5	8.3	3.5	20.	19.5	19.5	8.9
20	8	1986	556	D2	9.3	9.	7.8	19.5	19.5	19.5	9.4
20	8	1986	600	D4	6.2	6.1	6.	19.5	19.5	19.5	7.4
20	8	1986	602	D7	9.7	9.6	9.5	19.5	19.5	19.5	8.9
20	8	1986	606	D8	7.2	7.	3.6	19.5	19.5	19.5	7.5
20	8	1986	610	D11	6.1	6.1	5.9	19.	19.	19.	7.8
2	9	1986	550	C1	5.8	5.7	5.4	20.5	20.5	20.5	7.2
2	9	1986	555	C4	4.8	4.4	3.1	20.5	20.5	20.5	8.3
2	9	1986	558	C6	5.5	5.	5.	20.5	20.5	20.5	8.3
2	9	1986	601	C9	5.	4.9	4.9	20.	20.	20.	8.1
2	9	1986	605	D2	4.4	4.4	4.4	20.5	20.5	20.5	7.1
2	9	1986	609	D4	3.9	3.9	3.9	20.	20.	20.	6.9
2	9	1986	613	D7	4.3	4.3	4.3	20.	20.	20.	7.5
2	9	1986	616	D8	4.6	4.5	4.4	20.	20.	20.	7.
2	9	1986	620	D11	3.7	3.7	3.7	20.	20.	20.	7.2
2	9	1986	940	C1	6.2	4.3	4.1	20.5	20.	20.	7.4
2	9	1986	944	C4	8.5	4.9	4.5	21.	20.5	20.5	9.1
2	9	1986	948	C6	8.5	4.3	4.3	21.	20.5	20.5	8.9
2	9	1986	952	C9	6.5	4.2	4.1	21.	20.	20.	8.6
2	9	1986	956	D2	6.8	4.2	3.8	21.	20.5	20.5	8.1
2	9	1986	1000	D4	6.3	4.	3.1	21.	20.5	20.5	7.6
2	9	1986	1005	D7	5.4	5.3	5.3	21.	20.	20.	7.3
2	9	1986	1008	D8	6.	4.8	4.5	21.	20.5	20.5	7.3
2	9	1986	1012	D11	5.5	4.1	3.9	21.	20.	20.	7.3
2	9	1986	1330	C1	12.2	4.2	2.5	23.	20.5	20.	8.5
2	9	1986	1335	C4	14.4	4.8	2.8	22.5	21.	20.5	9.5
2	9	1986	1339	C6	16.	4.5	3.9	23.	21.	20.5	9.3
2	9	1986	1344	C9	9.4	4.1	3.8	22.5	20.5	20.	8.8
2	9	1986	1348	D2	12.	4.8	3.4	22.5	21.	20.5	8.7
2	9	1986	1353	D4	8.2	3.8	2.	22.	21.	20.5	7.3
2	9	1986	1358	D7	8.	6.	4.5	22.	20.5	20.	7.6
2	9	1986	1403	D8	7.9	5.7	4.4	22.	21.	20.5	7.5
2	9	1986	1408	D11	9.9	3.9	3.3	22.	20.	20.	7.4
2	9	1986	1740	C1	11.8	3.8	3.4	22.5	21.	20.	8.9
2	9	1986	1745	C4	13.	11.	3.2	22.5	22.	21.	9.5
2	9	1986	1750	C6	14.6	5.8	2.9	23.	22.	20.5	9.4
2	9	1986	1754	C9	9.5	5.	3.9	22.5	21.5	20.	9.
2	9	1986	1758	D2	14.	4.	3.1	22.5	21.5	20.5	9.
2	9	1986	1803	D4	9.	4.	1.8	22.	21.5	20.5	7.7
2	9	1986	1805	D7	8.5	6.	4.8	22.	21.5	20.	7.9
2	9	1986	1810	D8	8.2	6.7	1.5	22.	21.5	20.	7.7

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
2	9	1986	1815	D11	10.	2.8	2.2	22.	20.5	20.	8.6
2	9	1986	2130	C1	9.7	3.9	3.6	22.	21.	20.	8.8
2	9	1986	2142	C4	9.8	4..	1.5	22.	21.	20.5	9.4
2	9	1986	2149	C6	10.8	4.1	2.6	22.	21.	20.5	9.2
2	9	1986	2153	C9	7.7	4.1	1.8	21.	20.5	20.	8.8
2	9	1986	2157	D2	11.	4.7	2.	21.	21.	20.5	9.
2	9	1986	2203	D4	7.5	4.1	1.	21.	21.	20.5	7.3
2	9	1986	2210	D7	7.2	5.1	4.5	21.	21.	20.	7.4
2	9	1986	2216	D8	7.3	5.3	0.5	21.5	21.	20.5	7.5
2	9	1986	2222	D11	8.1	3.6	1.3	21.	21.	20.	8.3
3	9	1986	130	C1	8.1	7.7	1.	21.	21.	20.	8.4
3	9	1986	136	C4	8.5	7.8	0.8	21.	21.	20.	9.2
3	9	1986	141	C6	7.9	7.5	0.7	21.	21.	20.	9.1
3	9	1986	145	C9	6.5	5.7	1.5	20.	20.	20.	8.7
3	9	1986	150	D2	7.9	7.7	7.5	21.	21.	20.5	8.5
3	9	1986	157	D4	6.1	5.5	?.	20.5	20.5	20.	7.1
3	9	1986	203	D7	6.5	6.2	4.8	20.	20.	20.	7.2
3	9	1986	207	D8	6.4	6.	0.6	20.5	20.5	20.	7.3
3	9	1986	213	D11	6.8	6.3	0.7	20.	20.	20.	7.8
3	9	1986	530	C1	5.6	5.5	5.5	20.	20.	20.	7.3
3	9	1986	533	C4	6.	6.	5.9	20.	20.	20.	8.7
3	9	1986	540	C6	4.8	4.8	4.8	20.	20.	20.	8.2
3	9	1986	544	C9	4.3	4.3	4.2	20.	20.	20.	7.8
3	9	1986	550	D2	6.1	6.1	6.	20.	20.	20.	7.5
3	9	1986	554	D4	4.	4.	4.	20.	20.	20.	6.9
3	9	1986	600	D7	5.6	5.6	5.5	20.	20.	20.	7.
3	9	1986	607	D8	4.9	4.8	4.4	20.	20.	20.	7.
3	9	1986	611	D11	4.1	4.1	4.	20.	20.	20.	7.2
14	9	1986	545	C1	5.2	5.1	4.7	20.	20.	20.	6.8
14	9	1986	548	C4	5.1	5.	4.7	20.	20.	20.	8.6
14	9	1986	554	C6	5.8	5.5	2.1	20.	20.	20.	8.4
14	9	1986	558	C9	4.1	4.	4.	20.	20.	20.	7.2
14	9	1986	601	D2	4.2	4.2	4.1	20.	20.	20.	7.2
14	9	1986	605	D4	5.5	5.5	5.4	20.5	20.5	20.5	7.
14	9	1986	610	D7	7.4	7.4	7.3	20.	20.	20.	8.3
14	9	1986	614	D8	6.1	6.	6.	20.	20.	20.	7.1
14	9	1986	619	D11	3.7	3.6	3.5	19.5	19.5	19.5	7.1
14	9	1986	940	C1	6.4	4.4	3.8	21.	20.5	20.5	7.1
14	9	1986	946	C4	6.8	4.6	3.5	21.5	20.5	20.	8.8
14	9	1986	951	C6	8.4	5.5	3.4	22.	21.	20.	8.8
14	9	1986	957	C9	5.5	4.	3.5	22.	20.5	20.	7.7
14	9	1986	1001	D2	6.9	4.4	3.4	21.5	20.5	20.	7.9
14	9	1986	1006	D4	7.5	6.2	4.4	22.	21.	20.5	7.6
1'	9	1986	1013	D7	9.1	7.	6.5	22.	20.5	20.	8.7
14	9	1986	1018	D8	10.4	7.	5.5	22.	20.5	20.	8.4

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
14	9	1986	1024	D11	7.	4.7	2.9	22.	20.	19.5	7.7
14	9	1986	1330	C1	10.8	7.	3.6	26.	22.5	20.5	7.4
14	9	1986	1337	C4	12.2	7.1	3.9	26.	21.5	20.5	9.
14	9	1986	1342	C6	15.6	7.5	4.	25.	21.5	20.5	9.1
14	9	1986	1345	C9	6.4	4.	3.5	23.	20.5	20.	8.1
14	9	1986	1350	D2	10.8	7.3	3.	25.	21.5	20.5	8.3
14	9	1986	1354	D4	10.2	9.8	5.6	26.	23.	21.	8.2
14	9	1986	1400	D7	13.	8.2	6.	26.	21.	20.5	8.9
14	9	1986	1405	D8	15.4	7.6	5.2	25.5	21.	20.5	8.8
14	9	1986	1411	D11	10.	6.1	2.1	26.	21.5	20.	8.4
14	9	1986	1745	C1	10.8	4.2	.2.	26.	21.	20.5	7.9
14	9	1986	1750	C4	13.2	4.3	1.	26.	21.	20.5	9.6
14	9	1986	1800	C6	16.2	6.2	1.5	25.5	21.5	20.	9.8
14	9	1986	1804	C9	8.	3.7	3.2	20.5	20.5	20.	8.4
14	9	1986	1808	D2	9.	6.2	2.	25.	21.	20.	9.1
14	9	1986	1813	D4	10.4	7.3	3.1	25.	22.	21.	8.9
14	9	1986	1817	D7	12.2	9.	5.2	25.	21.	20.	9.6
14	9	1986	1820	D8	14.4	7.9	3.7	25.	21.	20.5	9.5
14	9	1986	1825	D11	8.1	4.7	1.3	25.	22.5	20.	8.2
14	9	1986	2130	C1	8.4	4.2	0.8	24.	22.5	20.5	7.1
14	9	1986	2136	C4	10.	4.2	0.4	24.	21.	20.5	9.1
14	9	1986	2140	C6	6.	5.3	1.2	23.5	22.	20.	9.2
14	9	1986	2143	C9	6.7	2.7	2.4	23.	20.5	20.	7.6
14	9	1986	2150	D2	8.	5.3	0.7	23.	20.	20.	8.
14	9	1986	2157	D4	8.7	7.	3.	23.5	22.	21.	7.9
14	9	1986	2204	D7	9.8	8.6	4.5	23.	22.	20.	9.
14	9	1986	2208	D8	11.4	6.1	2.5	23.	21.5	20.	8.8
14	9	1986	2215	D11	6.6	6.1	0.5	23.	22.5	20.	7.3
15	9	1986	130	C1	7.	6.5	0.3	23.5	22.	20.3	6.9
15	9	1986	135	C4	7.2	4.4	0.2	22.	21.5	20.	8.8
15	9	1986	140	C6	8.7	6.4	0.6	22.	21.5	20.	9.
15	9	1986	143	C9	6.2	5.	0.9	21.5	21.	21.	7.6
15	9	1986	146	D2	6.1	5.8	0.7	21.5	21.5	20.	7.7
15	9	1986	152	D4	8.	7.4	1.9	22.	22.	20.5	7.8
15	9	1986	155	D7	9.	8.	4.	21.5	21.5	20.	8.8
15	9	1986	201	D8	9.2	7.5	2.3	21.5	21.5	20.	8.4
15	9	1986	210	D11	5.5	5.2	0.3	22.	22.	20.	7.
15	9	1986	530	C1	5.9	5.6	0.4	21.	21.	20.	6.8
15	9	1986	536	C4	5.5	5.1	0.4	21.	21.	20.	8.4
15	9	1986	540	C6	6.9	6.5	0.4	21.	21.	20.	8.6
15	9	1986	545	C9	4.6	4.5	0.8	20.	20.	20.	7.2
15	9	1986	550	D2	4.2	4.2	4.1	20.5	20.5	20.5	7.2
15	9	1986	555	D4	6.7	6.4	3.7	21.	21.	21.	7.2
15	9	1986	559	D7	8.	7.6	2.	20.5	20.5	20.	8.2
15	9	1986	604	D8	7.	6.7	4.5	20.5	20.5	20.5	7.4

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
15	9	1986	610	D11	4.1	4.1	0.7	21.	21.	20.5	6.9
30	9	1986	545	C1	5.5	5.2	1.4	20.	20.	20.	7.3
30	9	1986	550	C4	6.1	2.8	0.6	21.	21.	19.5	8.7
30	9	1986	554	C6	6.9	6.	0.7	21.	21.	21.	8.
30	9	1986	558	C9	5.5	4.1	1.2	20.	20.	20.	7.9
30	9	1986	603	D2	5.	4.8	4.3	20.5	20.5	20.5	7.3
30	9	1986	607	D4	5.8	4.1	4.	21.	21.	21.	7.1
30	9	1986	611	D7	6.3	5.9	1.1	20.	20.	20.	8.1
30	9	1986	615	D8	7.3	2.8	2.8	21.	21.	21.	7.
30	9	1986	620	D11	5.6	5.	1.	20.	20.	20.	7.3
30	9	1986	930	C1	7.4	4.6	3.8	21.5	20.	20.	7.1
30	9	1986	938	C4	10.8	7.	0.4	21.5	21.	20.	8.7
30	9	1986	943	C6	7.7	5.1	1.7	22.	21.	20.5	8.
30	9	1986	947	C9	7.2	4.2	1.	21.	20.	20.	7.6
30	9	1986	954	D2	8.2	5.5	4.4	21.5	21.	20.5	7.6
30	9	1986	958	D4	7.7	5.6	3.5	22.	21.5	21.	7.1
30	9	1986	1003	D7	9.5	6.	1.7	22.	20.5	20.	8.4
30	9	1986	1008	D8	5.2	3.8	2.	22.	21.5	21.	6.8
30	9	1986	1009	D11	7.3	4.8	1.3	22.	20.5	20.	7.3
30	9	1986	1330	C1	11.4	6.8	2.9	24.5	21.	20.	8.
30	9	1986	1335	C4	15.8	5.9	0.3	24.	21.	20.	8.9
30	9	1986	1342	C6	14.2	4.8	0.4	24.5	21.5	20.5	8.4
30	9	1986	1347	C9	7.2	4.5	1.3	24.	20.5	20.	7.6
30	9	1986	1352	D2	10.8	5.1	1.6	24.	21.	20.5	7.7
30	9	1986	1358	D4	9.4	6.3	1.9	24.	22.	21.	7.1
30	9	1986	1405	D7	13.8	5.7	1.2	25.	21.	20.	8.2
30	9	1986	1410	D8	7.5	4.4	1.2	24.5	22.	21.5	6.8
30	9	1986	1417	D11	9.5	4.8	0.4	25.	21.	20.	7.4
30	9	1986	1740	C1	13.	5.	1.6	25.	21.	20.	8.
30	9	1986	1745	C4	17.	4.8	0.7	25.	21.	20.	9.3
30	9	1986	1750	C6	17.5	4.5	0.4	25.	21.5	20.5	9.1
30	9	1986	1805	C9	11.2	4.8	1.	24.5	21.	20.	8.4
30	9	1986	1810	D2	10.4	3.5	0.6	24.5	21.5	21.	7.9
30	9	1986	1812	D4	9.6	4.	1.5	24.	22.	21.	7.5
30	9	1986	1818	D7	14.	5.8	0.8	24.5	21.	20.	8.6
30	9	1986	1822	D8	7.7	3.5	0.5	24.	23.	21.5	7.
30	9	1986	1826	D11	8.8	3.8	0.3	24.	21.	20.	7.8
30	9	1986	2130	C1	10.8	6.	0.5	23.	21.5	20.5	7.6
30	9	1986	2135	C4	13.8	4.6	0.2	22.5	21.	20.	9.3
30	9	1986	2140	C6	13.2	6.2	0.5	22.5	22.	20.	9.1
30	9	1986	2146	C9	8.9	3.	0.3	22.	20.	20.	8.4
30	9	1986	2151	D2	8.7	4.4	0.7	22.	21.	20.5	7.9
30	9	1986	2155	D4	7.	5.	1.	22.	22.	[illegible]	7.5
30	9	1986	2200	D7	11.2	4.5	0.5	22.	21.	20.	8.8
30	9	1986	2205	D8	5.5	5.4	0.3	22.	22.	21.	7.

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
30	9	1986	2211	D11	8.	4.1	0.4	22.	21.	20.	7.7
1	10	1986	130	C1	7.7	6.1	0.4	21.	21.	20.	7.3
1	10	1986	135	C4	9.4	4.1	0.4	21.	21.	20.	9.
1	10	1986	139	C6	8.7	8.4	0.3	21.5	21.5	20.5	8.8
1	10	1986	144	C9	6.7	6.5	0.3	20.5	20.5	20.	8.3
1	10	1986	150	D2	6.4	6.2	1.4	21.	21.	20.5	7.6
1	10	1986	155	D4	4.8	4.8	4.7	21.	21.	21.	7.
1	10	1986	200	D7	8.4	8.	1.2	21.	21.	20.	8.4
1	10	1986	209	D8	3.3	3.3	3.1	21.5	21.5	21.5	6.8
1	10	1986	215	D11	6.1	5.	0.2	21.	21.	20.	7.3
1	10	1986	530	C1	4.9	4.9	4.7	20.	20.	20.	6.8
1	10	1986	535	C4	6.4	6.	0.2	20.	20.	20.	8.6
1	10	1986	540	C6	6.	5.6	1.8	20.5	20.5	20.5	8.1
1	10	1986	544	C9	4.9	4.7	4.6	20.	20.	20.	7.5
1	10	1986	549	D2	4.6	4.6	4.6	20.	20.	20.	7.
1	10	1986	553	D4	3.8	3.8	3.7	21.	21.	21.	6.8
1	10	1986	558	D7	5.6	5.3	5.2	20.	20.	20.	7.3
1	10	1986	604	D8	2.1	2.1	2.	21.	21.	21.	6.6
1	10	1986	610	D11	4.3	4.3	4.2	20.	20.	20.	7.
14	10	1986	545	C1	2.6	2.6	2.6	21.	21.	21.	6.6
14	10	1986	550	C4	2.	2.	2.	21.	21.	21.	7.2
14	10	1986	553	C6	0.5	0.5	0.5	21.	21.	21.	6.8
14	10	1986	557	C9	2.4	2.4	2.4	20.5	20.5	20.5	6.9
14	10	1986	600	D2	1.2	1.2	1.2	21.	21.	21.	6.7
14	10	1986	605	D4	3.	3.	3.	21.5	21.5	21.5	6.6
14	10	1986	608	D7	2.1	2.1	2.1	21.	21.	21.	6.6
14	10	1986	612	D8	1.3	1.3	1.3	21.	21.	21.	6.5
14	10	1986	616	D11	2.1	2.1	2.1	21.5	21.5	21.5	6.8
14	10	1986	932	C1	5.2	2.1	1.5	22.	21.5	21.	6.7
14	10	1986	937	C4	4.7	1.5	0.4	21.5	21.	21.	8.1
14	10	1986	950	C6	4.4	0.8	0.3	22.	21.5	21.5	7.2
14	10	1986	958	C9	3.7	2.4	2.1	21.	21.	20.5	7.
14	10	1986	1002	D2	4.8	0.7	0.2	22.	21.	21.	7.
14	10	1986	1006	D4	5.8	3.2	2.1	22.	22.	21.5	7.
14	10	1986	1013	D7	3.9	1.6	0.9	22.	21.	21.	6.9
14	10	1986	1020	D8	7.1	1.5	0.4	22.5	22.	21.5	6.8
14	10	1986	1024	D11	7.9	3.5	1.	23.5	22.	21.5	7.3
14	10	1986	1330	C1	9.8	4.5	1.2	24.	22.	21.5	7.3
14	10	1986	1336	C4	11.	2.9	0.7	23.5	22.	21.	8.9
14	10	1986	1342	C6	11.4	5.7	0.3	24.	22.5	21.5	8.6
14	10	1986	1345	C9	8.	2.1	1.7	24.	21.	20.5	7.5
14	10	1986	1349	D2	7.7	0.6	0.4	24.	21.5	21.	7.1
14	10	1986	1354	D4	8.7	4.1	1.4	24.	22.	21.5	7.1
14	10	1986	1358	D7	7.6	1.4	0.5	24.	21.5	21.	6.9
14	10	1986	1402	D8	6.8	1.	0.1	24.	22.	21.5	6.8

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
14	10	1986	1410	D11	8.6	4.5	1.	24.	22.	21.	7.5
14	10	1986	1738	C1	7.8	4.6	0.5	23.	23.	21.5	7.1
14	10	1986	1743	C4	9.1	6.8	0.4	23.	23.	21.	9.
14	10	1986	1747	C6	8.9	6.7	0.4	23.	23.	21.5	8.6
14	10	1986	1752	C9	6.9	2.1	1.1	22.	22.	20.5	7.2
14	10	1986	1756	D2	6.1	1.6	0.3	22.	22.	21.	7.2
14	10	1986	1802	D4	8.	4.7	0.9	23.	22.5	21.5	7.
14	10	1986	1808	D7	6.4	1.6	0.2	22.	22.	21.	6.9
14	10	1986	1812	D8	5.8	4.	0.6	22.5	22.5	22.	6.8
14	10	1986	1818	D11	7.2	6.7	2.	22.5	22.5	22.	7.5
14	10	1986	2130	C1	6.	5.7	0.4	22.	22.	21.5	6.9
14	10	1986	2135	C4	6.5	6.	0.2	21.5	21.5	21.	8.7
14	10	1986	2140	C6	6.	5.6	2.5	21.5	21.5	21.	8.
14	10	1986	2144	C9	4.7	3.	0.3	21.	21.	20.5	7.2
14	10	1986	2148	D2	3.8	3.7	1.6	21.5	21.5	21.	6.9
14	10	1986	2154	D4	6.1	6.	1.5	21.5	21.5	21.5	6.9
14	10	1986	2200	D7	4.9	4.6	1.3	21.	21.	21.	6.9
14	10	1986	2204	D8	3.4	3.3	3.3	21.5	21.5	21.5	6.6
14	10	1986	2213	D11	4.6	4.6	4.5	21.5	21.5	21.5	7.
15	10	1986	130	C1	3.5	3.4	3.4	21.	21.	21.	6.6
15	10	1986	135	C4	3.2	3.	3.	21.	21.	21.	7.8
15	10	1986	138	C6	2.8	2.7	2.7	21.	21.	21.	7.
15	10	1986	143	C9	2.9	2.8	2.8	20.	20.	20.	6.9
15	10	1986	150	D2	2.1	2.	2.	21.	21.	21.	6.8
15	10	1986	155	D4	4.	4.	3.9	21.	21.	21.	6.7
15	10	1986	201	D7	2.4	2.4	2.4	20.5	20.5	20.5	6.6
15	10	1986	205	D8	2.2	2.2	2.2	21.	21.	21.	6.5
15	10	1986	211	D11	3.2	3.1	3.1	21.	21.	21.	6.9
15	10	1986	530	C1	2.6	2.6	2.6	20.	20.	20.	6.6
15	10	1986	534	C4	2.2	2.2	2.2	20.	20.	20.	7.1
15	10	1986	537	C6	1.1	1.1	1.1	20.	20.	20.	6.8
15	10	1986	542	C9	2.6	2.6	2.6	20.	20.	20.	6.8
15	10	1986	546	D2	1.2	1.1	1.1	20.	20.	20.	6.5
15	10	1986	550	D4	3.1	3.1	3.1	20.5	20.5	20.5	6.6
15	10	1986	558	D7	1.8	1.8	1.8	20.	20.	20.	6.5
15	10	1986	613	D8	1.7	1.7	1.7	20.	20.	20.	6.4
15	10	1986	618	D11	2.	1.9	1.9	20.	20.	20.	6.9
28	10	1986	550	C1	4.7	4.6	4.5	21.	21.	21.	6.7
28	10	1986	555	C4	3.4	3.2	0.5	21.	21.	21.	7.7
28	10	1986	558	C6	1.9	1.9	1.8	21.	21.	21.	6.8
28	10	1986	602	C9	3.5	3.4	0.9	20.	20.	20.	6.8
28	10	1986	606	D2	2.7	2.7	2.6	21.	21.	21.	6.7
28	10	1986	609	D4	4.5	4.3	4.2	21.	21.	21.	6.8
28	10	1986	613	D7	5.7	5.4	3.5	21.	21.	21.	6.8
28	10	1986	616	D3	3.2	3.1	3.1	21.	21.	21.	6.6

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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	10	1986	620	D11	2.3	2.3	2.3	21.	21.	21.	6.8
28	10	1986	930	C1	8.2	3.4	2.5	23.	21.	21.	7.1
28	10	1986	936	C4	9.1	2.2	0.4	22.	21.	20.5	8.7
28	10	1986	940	C6	4.5	0.9	0.3	22.	21.	21.	7.1
28	10	1986	946	C9	3.8	2.2	1.2	22.	20.5	20.5	7.
28	10	1986	950	D2	5.3	1.7	1.4	23.	21.5	21.	6.9
28	10	1986	955	D4	7.8	4.	2.9	23.	22.	22.	7.
28	10	1986	1000	D7	8.6	6.3	3.	23.	22.	21.5	7.1
28	10	1986	1004	D8	4.4	1.7	0.9	22.5	21.5	21.5	6.7
28	10	1986	1009	D11	6.4	1.3	0.5	23.	21.5	21.	6.8
28	10	1986	1330	C1	12.2	4.2	1.2	26.	21.	21.	7.3
28	10	1986	1338	C4	16.2	3.1	0.3	26.	21.5	21.	9.1
28	10	1986	1343	C6	12.8	1.7	0.3	26.	21.5	21.	8.3
28	10	1986	1349	C9	7.7	2.2	0.7	26.	21.	20.	7.1
28	10	1986	1354	D2	9.3	1.4	0.3	26.	21.5	21.	7.2
28	10	1986	1358	D4	10.6	5.4	1.9	25.5	22.	21.5	7.2
28	10	1986	1405	D7	8.1	5.3	1.4	26.	22.5	21.5	7.7
28	10	1986	1411	D8	8.1	2.2	0.4	25.5	22.	21.5	6.7
28	10	1986	1417	D11	10.4	1.7	0.3	26.	22.5	21.5	7.2
28	10	1986	1730	C1	11.8	3.5	0.7	25.	22.	21.	7.2
28	10	1986	1735	C4	16.8	4.4	0.4	25.	22.5	20.5	9.2
28	10	1986	1738	C6	11.	2.5	0.3	25.	22.	21.	7.9
28	10	1986	1743	C9	8.	2.1	0.5	25.	20.5	20.	7.2
28	10	1986	1748	D2	8.5	1.7	0.5	25.	22.	21.	7.
28	10	1986	1752	D4	10.2	5.2	1.8	25.	22.5	21.5	7.3
28	10	1986	1758	D7	9.5	7.9	0.8	25.	23.	21.5	7.5
28	10	1986	1802	D8	7.6	2.8	0.4	25.	22.5	21.5	6.9
28	10	1986	1808	D11	7.5	2.7	0.5	25.	23.	21.5	7.
28	10	1986	2130	C1	8.7	6.2	0.5	24.	22.5	21.	6.9
28	10	1986	2135	C4	11.	3.8	0.4	24.	23.	21.	8.9
28	10	1986	2138	C6	6.4	2.5	0.5	24.	23.	21.	7.3
28	10	1986	2142	C9	4.8	1.6	0.3	23.	21.	20.	7.
28	10	1986	2146	D2	5.3	1.1	0.2	23.	22.	21.	6.8
28	10	1986	2150	D4	7.6	3.6	0.8	24.	23.	22.	7.
28	10	1986	2156	D7	7.6	6.5	0.9	23.	22.	21.5	7.1
28	10	1986	2200	D8	4.2	4.1	0.4	23.	23.	22.	6.7
28	10	1986	2206	D11	3.7	2.7	0.4	23.	23.	22.	6.8
29	10	1986	130	C1	5.	4.	0.6	22.	22.	21.5	6.9
29	10	1986	135	C4	5.2	4.6	0.4	22.	22.	21.	8.5
29	10	1986	139	C6	3.	2.8	0.3	22.	22.	21.	7.
29	10	1986	144	C9	4.7	4.3	0.5	21.	21.	20.	7.
29	10	1986	149	D2	4.4	4.1	1.9	22.	22.	22.	6.8
29	10	1986	152	D4	6.	5.8	1.8	22.	22.	22.	6.9
29	10	1986	157	D7	5.8	5.5	0.4	22.	22.	22.	7.
29	10	1986	201	D8	3.3	3.5	1.5	22.	22.	22.	6.7

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
29	10	1986	206	D11	3.4	3.	1.5	22.	22.	22.	6.8
29	10	1986	530	C1	3.8	3.8	3.6	21.	21.	21.	6.7
29	10	1986	536	C4	3.6	3.4	0.6	21.	21.	21.	8.1
29	10	1986	539	C6	1.6	1.6	1.6	21.	21.	21.	6.8
29	10	1986	543	C9	3.9	3.8	0.7	20.5	20.5	20.	6.9
29	10	1986	547	D2	2.9	2.9	2.8	21.	21.	21.	6.8
29	10	1986	551	D4	4.7	4.6	4.6	21.5	21.5	21.5	6.9
29	10	1986	557	D7	4.6	4.5	3.4	21.5	21.5	21.5	6.9
29	10	1986	601	D8	2.9	2.8	2.8	21.5	21.5	21.5	6.6
29	10	1986	608	D11	2.	2.	2.	21.5	21.5	21.5	6.7
11	11	1986	540	C1	4.2	4.1	3.2	22.	22.	22.	6.8
11	11	1986	545	C4	2.8	2.4	0.9	22.	22.	21.	7.5
11	11	1986	548	C6	1.8	1.8	1.7	22.	22.	22.	6.9
11	11	1986	553	C9	3.4	3.2	1.3	21.5	21.5	21.	7.
11	11	1986	557	D2	2.8	2.7	2.6	22.	22.	22.	6.9
11	11	1986	604	D4	4.8	4.5	2.6	22.5	22.5	22.	7.1
11	11	1986	610	D7	3.5	3.4	3.4	22.5	22.5	22.5	6.7
11	11	1986	615	D8	4.7	4.6	4.4	22.	22.	22.	6.8
11	11	1986	622	D11	3.7	3.6	3.5	22.	22.	22.	6.9
11	11	1986	945	C1	9.3	4.8	2.1	23.	22.5	22.	7.
11	11	1986	950	C4	9.	3.4	0.2	23.	22.	21.5	8.8
11	11	1986	955	C6	5.7	1.8	0.3	24.	22.5	22.	7.3
11	11	1986	1000	C9	4.5	2.6	1.3	23.	22.5	21.5	7.
11	11	1986	1006	D2	6.2	1.1	0.8	23.	22.	22.	7.1
11	11	1986	1013	D4	8.2	4.7	2.5	24.	23.	22.5	7.6
11	11	1986	1020	D7	6.2	4.2	2.5	24.	23.	22.5	7.
11	11	1986	1025	D8	8.5	4.4	2.5	24.	22.5	22.	7.
11	11	1986	1030	D11	8.7	1.7	0.7	24.	22.	22.	7.3
11	11	1986	1335	C1	6.6	5.4	1.7	23.	23.	22.	7.
11	11	1986	1340	C4	7.8	7.4	0.4	22.5	22.5	21.5	8.9
11	11	1986	1345	C6	5.7	5.4	1.8	23.	23.	22.5	7.6
11	11	1986	1350	C9	6.6	5.1	1.2	22.5	22.5	21.5	7.4
11	11	1986	1400	D2	6.2	5.6	1.2	23.	22.5	22.	7.2
11	11	1986	1405	D4	7.8	6.7	1.6	23.	23.	22.5	7.7
11	11	1986	1410	D7	6.3	5.5	3.1	23.	23.	23.	7.2
11	11	1986	1415	D8	7.3	5.8	2.1	23.	23.	22.5	7.2
11	11	1986	1420	D11	6.8	4.6	0.6	23.	22.5	22.	7.4
11	11	1986	1735	C1	8.5	4.5	1.2	23.	22.5	22.	7.2
11	11	1986	1741	C4	11	7.5	0.3	23.	22.5	22.	9.
11	11	1986	1746	C6	6.4	5.3	0.8	23.	23.	22.5	7.3
11	11	1986	1751	C9	6.9	2.8	0.8	22.5	22.	21.5	7.2
11	11	1986	1800	D2	6.7	4.	0.7	23.	22.5	22.	7.2
11	11	1986	1804	D4	8.4	7.6	0.8	23.	23.	22.5	7.7
11	11	1986	1809	D7	5.9	4.6	0.9	23.	23.	22.5	7.2
11	11	1986	1814	D8	6.9	5.3	1.1	23.	23.	22.	7.3

Table 4. Diurnal Measurements. Rwanda, 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
11	11	1986	1820	D11	7.	4.3	0.3	23.	23.	22.	7.4
11	11	1986	2130	C1	5.7	5.6	4.	22.	22.	22.	7.
11	11	1986	2136	C4	5.4	5.4	5.3	22.	22.	22.	8.3
11	11	1986	2141	C6	3.1	3.1	3.	22.	22.	22.	7.
11	11	1986	2145	C9	4.6	4.3	0.4	21.	21.	21.	7.
11	11	1986	2150	D2	3.9	3.9	3.8	22.	22.	22.	6.9
11	11	1986	2155	D4	5.5	5.5	5.5	22.	22.	22.	7.1
11	11	1986	2202	D7	4.	3.9	3.9	22.	22.	22.	6.8
11	11	1986	2207	D8	5.1	5.1	5.	22.	22.	22.	6.9
11	11	1986	2214	D11	4.2	4.1	4.	22.	22.	22.	6.9
12	11	1986	130	C1	4.	3.9	3.9	21	21.	21.	6.8
12	11	1986	137	C4	3.5	3.5	3.4	21.	21.	21.	7.4
12	11	1986	142	C6	2.1	2.	2.	21.5	21.5	21.5	6.9
12	11	1986	147	C9	3.2	3.2	3.1	21.	21.	21.	6.9
12	11	1986	152	D2	2.9	2.9	2.9	21.	21.	21.	6.8
12	11	1986	156	D4	4.4	4.4	4.3	21.5	21.5	21.5	6.9
12	11	1986	203	D7	3.5	3.5	3.4	21.5	21.5	21.5	6.7
12	11	1986	207	D8	4.5	4.4	4.4	21.5	21.5	21.5	6.7
12	11	1986	214	D11	3.1	3.	2.8	21.	21.	21.	6.8
12	11	1986	530	C1	3.1	3.	3.	21.	21.	21.	6.7
12	11	1986	535	C4	2.	2.	1.9	20.5	20.5	20.5	7.1
12	11	1986	539	C6	0.9	0.9	0.9	21.	21.	21.	6.8
12	11	1986	544	C9	3.	3.	3.	20.5	20.5	20.5	6.9
12	11	1986	549	D2	2.1	2.1	2.	21.	21.	21.	6.7
12	11	1986	554	D4	3.7	3.6	3.6	21.	21.	21.	6.8
12	11	1986	600	D7	2.9	2.9	2.8	21.	21.	21.	6.6
12	11	1986	605	D8	3.4	3.4	3.4	21.	21.	21.	6.7
12	11	1986	612	D11	2.	0.9	0.8	20.5	20.5	20.5	6.7
25	11	1986	540	C1	5.3	5.2	2.9	21.	21.	21.	6.8
25	11	1986	545	C4	0.4	0.4	0.4	21.	21.	21.	7.
25	11	1986	549	C6	4.8	4.4	0.6	21.5	21.5	21.5	7.1
25	11	1986	553	C9	4.6	4.3	0.5	21.	21.	21.	7.
25	11	1986	601	D2	3.6	3.6	3.5	21.	21.	21.	6.8
25	11	1986	609	D4	3.6	3.5	3.5	22.	22.	22.	6.8
25	11	1986	610	D7	4.5	4.4	4.4	22.	22.	22.	6.8
25	11	1986	614	D8	4.5	4.3	4.3	21.	21.	21.	6.8
25	11	1986	625	D11	8.5	8.1	0.5	21.	21.	21.	8.5
25	11	1986	935	C1	11.	5.2	1.3	23.	21.5	21.	7.4
25	11	1986	942	C4	4.7	2.	0.3	23.	22.	21.5	8.2
25	11	1986	946	C6	6.2	4.2	1.4	23.	22.	21.5	7.6
25	11	1986	954	C9	8.	3.9	2.3	23.	21.5	21.	7.4
25	11	1986	959	D2	7.3	2.7	2.3	23.	21.5	21.5	7.2
25	11	1986	1004	D4	7.7	3.	1.8	24.	22.	22.	7.
25	11	1986	1010	D7	7.4	5.1	3.4	24.	22.5	22.5	7.1
25	11	1986	1014	D8	7.4	2.8	2.2	23.5	21.5	21.5	6.9

Table 4. Diurnal Measurements. Rwanda, Cycle III, 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
25	11	1986	1023	D11	12.2	6.4	1.6	24.	21.5	21.	8.6
25	11	1986	1336	C1	14.2	3.6	1.	26.	22.	21.	8.1
25	11	1986	1342	C4	10.8	1.3	0.2	25.5	22.5	21.5	8.7
25	11	1986	1347	C6	12.4	4.9	0.6	26.	23.	22.	8.4
25	11	1986	1356	C9	9.2	4.3	1.9	27.	22.	21.	8.1
25	11	1986	1400	D2	10.2	4.4	1.	27.	22.5	21.5	7.8
25	11	1986	1404	D4	8.9	4.4	1.5	27.	23.	22.	7.3
25	11	1986	1409	D7	9.4	6.8	1.8	27.	23.	22.	7.4
25	11	1986	1414	D8	9.8	3.1	1.1	27.5	22.	21.5	7.1
25	11	1986	1425	D11	14.4	4.9	0.5	27.	21.5	21.	9.
25	11	1986	1739	C1	14.2	5.4	0.6	26.	22.5	21.	8.1
25	11	1986	1744	C4	6.7	3.	0.5	25.5	23.5	21.5	8.
25	11	1986	1750	C6	12.	8.4	0.3	25.5	24.	21.5	8.1
25	11	1986	1755	C9	6.	6.	2.8	26.5	23.	22.	8.
25	11	1986	1802	D2	9.7	5.1	0.7	26.	23.	21.5	7.8
25	11	1986	1806	D4	9.3	6.	1.	26.	23.	22.	7.3
25	11	1986	1811	D7	8.9	7.4	1.5	26.	23.	22.	7.3
25	11	1986	1816	D8	9.3	3.2	0.5	26.	22.	21.5	7.
25	11	1986	1825	D11	14.6	4.4	0.6	26.	22.	21.	8.9
25	11	1986	2130	C1	10.8	6.1	0.4	24.5	23.	21.	7.4
25	11	1986	2135	C4	3.4	2.4	0.2	24.	24.	21.	7.2
25	11	1986	2138	C6	10.	6.9	0.3	24.	24.	21.	7.7
25	11	1986	2143	C9	5.6	5.6	1.6	24.5	24.	22.	7.5
25	11	1986	2153	D2	7.9	4.	1.	24.	23.	21.5	7.1
25	11	1986	2158	D4	7.5	5.	0.3	24.5	23.5	22.	7.1
25	11	1986	2204	D7	7.7	5.3	1.5	24.	23.5	22.5	7.1
25	11	1986	2208	D8	7.6	3.7	0.8	24.	22.	21.5	6.9
25	11	1986	2220	D11	12.4	5.	0.2	24.	22.	21.	8.8
26	11	1986	130	C1	8.3	4.3	0.2	23.	23.	21.	7.1
26	11	1986	138	C4	0.7	0.7	0.1	23.	23.	21.5	6.9
26	11	1986	143	C6	7.3	6.5	0.2	23.	23.	22.	7.4
26	11	1986	200	C9	5.7	3.2	0.3	23.	22.	21.	7.1
26	11	1986	206	D2	6.	4.1	0.5	23.	23.	22.	7.
26	11	1986	214	D4	5.8	4.4	0.5	23.	23.	22.	7.
26	11	1986	219	D7	5.3	5.	3.4	23.	23.	23.	6.9
26	11	1986	222	D8	6.2	5.4	0.3	23.	23.	21.5	6.9
26	11	1986	230	D11	10.	6.	0.2	23.	22.	21.	8.6
26	11	1986	530	C1	5.7	5.4	0.3	22.	22.	21.5	7.1
26	11	198-	535	C4	0.1	0.1	0.1	22.	22.	21.5	6.9
26	11	1986	540	C6	5.1	3.8	1.	22.5	22.5	22.	7.16
26	11	1986	548	C9	4.5	2.5	1.4	22.	22.	21.	7.12
26	11	1986	555	D2	3.6	3.5	2.5	22.	22.	22.	6.9
26	11	1986	559	D4	3.8	3.	0.4	22.5	22.5	22.5	6.9
26	11	1986	605	D7	4.	4.	4.	22.5	22.5	22.5	6.9
26	11	1986	608	D8	4.9	4.6	1.6	22.	22.	21.5	6.7
26	11	1986	620	D11	8.5	7.3	0.4	22.	22.	21.	8.6

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
31	12	1985	600	C1	4.8	4.8	4.8	20.8	20.8	20.8	7.4
31	12	1985	600	C4	4.2	4.	4.	20.5	20.5	20.5	7.4
31	12	1985	600	C6	4.5	4.5	4.5	20.5	20.5	20.5	7.5
31	12	1985	600	C9	4.6	4.6	4.6	20.8	20.8	20.8	7.5
31	12	1985	600	D11	3.8	3.6	3.6	20.	19.9	19.9	7.4
31	12	1985	600	D2	4.3	4.3	4.3	20.8	20.8	20.8	7.5
31	12	1985	600	D4	3.7	3.7	3.7	20.8	20.8	20.8	7.4
31	12	1985	600	D7	4.4	4.4	4.4	20.5	20.5	20.5	7.4
31	12	1985	600	D8	4.4	4.4	4.4	20.8	20.8	20.8	7.4
31	12	1985	1000	C1	4.7	4.3	4.	21.	20.8	20.6	7.1
31	12	1985	1000	C4	4.8	4.	3.8	21.9	21.	20.8	7.2
31	12	1985	1000	C6	5.2	4.8	4.5	21.9	21.	20.8	7.3
31	12	1985	1000	C9	5.4	5.2	4.8	22.	21.8	20.7	7.4
31	12	1985	1000	D11	4.8	4.3	3.5	22.	20.9	20.	7.4
31	12	1985	1000	D2	4.9	4.6	4.1	22.	21.2	20.8	7.4
31	12	1985	1000	D4	5.	4.4	3.8	21.9	21.2	19.8	7.3
31	12	1985	1000	D7	4.9	4.4	4.2	22.5	21.1	20.2	7.4
31	12	1985	1000	D8	4.4	4.2	4.	22.	21.	20.7	7.5
31	12	1985	1400	C1	5.7	5.1	4.7	22.9	22.1	21.5	7.8
31	12	1985	1400	C4	4.6	4.3	3.9	22.2	21.5	21.	7.4
31	12	1985	1400	C6	6.4	5.9	5.1	22.3	21.7	21.	8.
31	12	1985	1400	C9	5.1	4.6	4.1	22.5	22.	21.5	7.9
31	12	1985	1400	D11	4.6	3.8	3.3	21.8	21.1	20.5	7.4
31	12	1985	1400	D2	5.4	4.8	4.6	22.	21.6	21.3	7.5
31	12	1985	1400	D4	4.5	4.	3.9	22.	21.3	21.	7.4
31	12	1985	1400	D7	5.4	4.8	4.6	22.	21.3	21.	7.5
31	12	1985	1400	D8	4.4	4.1	3.6	21.7	21.2	21.	7.5
31	12	1985	1800	C1	5.7	4.8	4.6	22.5	22.	21.5	7.2
31	12	1985	1800	C4	4.4	3.9	3.7	22.4	22.	21.5	7.4
31	12	1985	1800	C6	6.1	5.1	4.2	22.2	21.6	21.	7.3
31	12	1985	1800	C9	5.3	4.7	3.9	22.	21.	20.8	7.4
31	12	1985	1800	D11	4.3	3.8	3.5	21.8	20.6	20.3	7.2
31	12	1985	1800	D2	4.8	4.3	4.2	22.	21.5	21.	7.1
31	12	1985	1800	D4	4.6	4.	3.5	22.	21.2	20.8	7.4
31	12	1985	1800	D7	5.8	4.8	3.8	22.5	21.5	21.	7.4
31	12	1985	1800	D8	4.8	4.4	4.	22.	21.5	21.	7.3
31	12	1985	2200	C1	5.4	4.4	4.2	21.5	21.5	21.5	7.2
31	12	1985	2200	C4	5.	4.2	3.2	21.2	21.2	21.2	7.3
31	12	1985	2200	C6	5.4	5.	4.8	21.5	21.2	21.	7.9
31	12	1985	2200	C9	6.	4.5	3.8	21.2	21.2	21.	7.8
31	12	1985	2200	D11	4.5	3.4	2.7	20.8	20.8	20.6	7.4
31	12	1985	2200	D2	5.9	5.4	4.	21.1	21.4	21.1	7.2
31	12	1985	2200	D4	4.4	3.7	3.3	21.1	21.1	21.	7.3
31	12	1985	2200	D7	5.4	4.5	3.5	21.1	21.1	21.	7.5

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
31	12	1985	2200	D8	4.8	4.4	3.3	21.1	21.1	21.1	7.4
1	1	1986	200	C1	5.2	4.9	4.7	20.8	20.8	20.9	7.2
1	1	1986	200	C4	4.4	4.4	4.4	20.8	20.8	20.8	7.4
1	1	1986	200	C6	6.	5.8	5.8	20.7	20.7	20.7	7.8
1	1	1986	200	C9	5.6	5.6	5.6	20.4	20.7	20.7	7.6
1	1	1986	200	D11	4.	4.	4.	20.	20.	20.	7.2
1	1	1986	200	D2	5.3	5.3	5.3	20.7	20.7	20.7	7.6
1	1	1986	200	D4	5.	5.	5.	20.1	20.5	20.5	7.3
1	1	1986	200	D7	4.8	4.8	4.8	20.8	20.8	20.8	7.6
1	1	1986	200	D8	4.3	4.3	4.2	20.1	20.5	20.6	7.6
1	1	1986	600	C1	4.4	4.4	4.1	20.	21.1	20.1	7.1
1	1	1986	600	C4	4.1	4.	4.	19.9	20.	20.	7.3
1	1	1986	600	C6	5.3	5.3	5.3	20.	20.	20.	7.5
1	1	1986	600	C9	4.9	4.8	4.7	20.	20.1	20.2	7.5
1	1	1986	600	D11	3.6	3.6	3.4	19.3	19.5	19.5	7.5
1	1	1986	600	D2	4.7	4.7	4.7	20.2	20.2	20.2	7.2
1	1	1986	600	D4	4.5	4.5	4.5	20.	20.	20.	7.4
1	1	1986	600	D7	4.5	4.5	4.5	19.7	20.	20.	7.5
1	1	1986	600	D8	3.9	3.9	3.9	19.7	20.	20.	7.3
14	1	1986	600	C1	5.3	5.3	5.3	23.5	23.5	23.5	7.3
14	1	1986	600	C4	5.4	5.	3.8	23.	23.	23.	7.6
14	1	1986	600	C6	4.7	4.7	4.6	23.5	23.5	23.5	7.5
14	1	1986	600	C9	4.7	4.7	4.7	22.6	22.7	22.7	7.6
14	1	1986	600	D11	5.8	5.7	5.7	23.	23.	22.9	7.6
14	1	1986	600	D2	4.7	4.7	4.7	23.1	23.	23.	7.6
14	1	1986	600	D4	5.7	5.6	5.4	23.	23.	23.	7.3
14	1	1986	600	D7	4.2	4.2	4.2	23.	23.	22.8	7.4
14	1	1986	600	D8	5.4	5.3	5.2	23.1	23.1	23.	7.5
14	1	1986	1000	C1	5.7	5.	4.3	25.	23.9	23.3	7.4
14	1	1986	1000	C4	6.3	5.1	4.	25.8	23.8	23.	7.7
14	1	1986	1000	C6	5.2	4.3	3.8	26.	24.	23.8	7.5
14	1	1986	1000	C9	4.9	4.3	3.9	26.	24.3	23.9	7.7
14	1	1986	1000	D11	6.8	6.2	5.6	24.9	24.2	23.8	7.8
14	1	1986	1000	D2	5.	4.7	3.9	25.8	23.9	23.5	7.6
14	1	1986	1000	D4	6.3	5.8	4.8	25.9	24.8	24.3	7.5
14	1	1986	1000	D7	4.8	4.5	4.3	24.7	24.	23.4	7.5
14	1	1986	1000	D8	6.	5.8	5.6	24.9	24.2	23.9	7.6
14	1	1986	1400	C1	7.1	6.2	5.7	29.2	25.9	24.8	7.3
14	1	1986	1400	C4	7.5	6.2	5.6	29.5	24.8	23.8	7.8
14	1	1986	1400	C6	6.2	5.6	2.	29.7	26.	24.9	8.3
14	1	1986	1400	C9	6.3	5.7	4.	30.	25.	24.9	7.7
14	1	1986	1400	D11	8.	7.2	6.3	29.5	26.	24.8	8.3
14	1	1986	1400	D2	6.	5.8	5.6	29.9	26.	24.8	7.6
14	1	1986	1400	D4	7.3	7.1	6.2	29.7	26.2	24.8	7.9
14	1	1986	1400	D7	5.8	5.6	4.7	29.	25.7	24.8	7.6

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
14	1	1986	1400	D8	7.2	6.6	6.2	28.9	25.6	23.8	7.8
14	1	1986	1800	C1	6.5	5.5	5.3	27.1	25.2	24.6	7.7
14	1	1986	1800	C4	6.6	5.	4.4	26.	24.3	23.5	8.5
14	1	1986	1800	C6	6.	5.	3.3	26.7	26.5	24.2	7.9
14	1	1986	1800	C9	5.	4.1	2.9	25.	23.2	23.1	7.8
14	1	1986	1800	D11	7.9	6.7	6.	26.	25.	24.1	8.3
14	1	1986	1800	D2	5.5	4.7	3.8	26.4	24.5	23.9	7.7
14	1	1986	1800	D4	7.6	5.8	5.4	26.5	24.9	24.	7.8
14	1	1986	1800	D7	5.4	4.6	4.4	26.5	24.5	24.	7.5
14	1	1986	1800	D8	6.4	6.4	6.4	25.5	25.5	25.	7.7
14	1	1986	2200	C1	5.7	4.2	3.8	26.	25.5	24.5	7.6
14	1	1986	2200	C4	6.1	4.5	2.8	25.5	24.4	23.5	8.5
14	1	1986	2200	C6	5.4	3.8	2.	26.	25.	24.4	7.8
14	1	1986	2200	C9	5.1	3.5	2.4	25.1	24.	23.	8.
14	1	1986	2200	D11	6.4	5.4	3.1	25.6	24.6	24.1	8.1
14	1	1986	2200	D2	5.4	4.5	3.2	25.8	24.5	23.9	7.7
14	1	1986	2200	D4	6.7	5.8	3.9	25.7	24.5	23.7	7.7
14	1	1986	2200	D7	5.1	4.5	3.3	25.6	24.2	23.9	7.4
14	1	1986	2200	D8	6.1	5.9	4.9	25.5	25.5	25.	7.7
15	1	1986	200	C1	6.	5.4	4.7	25.	25.	25.	7.7
15	1	1986	200	C4	5.8	5.1	2.3	24.3	24.2	23.5	7.6
15	1	1986	200	C6	4.9	4.3	1.7	24.9	24.9	24.2	7.4
15	1	1986	200	C9	4.7	3.1	1.9	24.1	24.1	23.1	7.6
15	1	1986	200	D11	6.1	5.6	3.5	24.5	24.5	23.9	7.5
15	1	1986	200	D2	5.1	4.2	1.8	24.5	24.4	23.6	7.6
15	1	1986	200	D4	6.3	5.7	2.2	24.5	24.4	23.8	7.9
15	1	1986	200	D7	4.8	4.4	3.4	24.5	24.5	23.8	7.7
15	1	1986	200	D8	5.8	5.7	5.6	24.8	24.8	24.8	8.2
15	1	1986	600	C1	5.4	5.4	5.2	24.	24.	24.	7.4
15	1	1986	600	C4	5.7	5.4	4.2	23.5	23.5	23.5	7.4
15	1	1986	600	C6	4.7	4.5	3.7	24.	24.	24.	7.4
15	1	1986	600	C9	4.5	3.9	1.8	23.2	23.2	23.	7.4
15	1	1986	600	D11	5.7	5.7	5.7	23.6	23.6	23.7	7.4
15	1	1986	600	D2	5.1	4.9	4.8	23.5	23.5	23.5	7.4
15	1	1986	600	D4	6.4	5.9	4.1	23.6	23.6	23.6	7.5
15	1	1986	600	D7	4.8	4.7	4.7	23.5	23.5	23.5	7.5
15	1	1986	600	D8	5.4	5.4	5.4	24.	24.	24.	7.5
30	1	1986	600	C1	4.8	4.5	4.3				7.6
30	1	1986	600	C4	5.4	5.4	5.4				7.6
30	1	1986	600	C6	5.6	5.6	5.8				7.6
30	1	1986	600	C9	5.7	5.4	5.4				7.6
30	1	1986	600	D11	5.3	5.	5.				7.5
30	1	1986	600	D2	5.7	5.7	5.7				7.5
30	1	1986	600	D4	4.6	4.6	4.6				7.4
30	1	1986	600	D7	6.4	6.4	6.2				7.6

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
30	1	1986	600	D8	4.3	4.2	4.2				7.5
30	1	1986	1000	C1	4.7	4.4	4.				7.3
30	1	1986	1000	C4	6.	5.4	5.				7.4
30	1	1986	1000	C6	6.	5.6	5.1				7.6
30	1	1986	1000	C9	6.	5.8	5.2				7.8
30	1	1986	1000	D11	4.8	4.5	4.2				7.5
30	1	1986	1000	D2	6.2	5.9	5.3				7.7
30	1	1986	1000	D4	4.8	4.5	4.				7.5
30	1	1986	1000	D7	6.8	6.5	6.2				7.7
30	1	1986	1000	D8	4.5	4.4	4.1				7.5
30	1	1986	1400	C1	7.7	5.4	4.2	24.4	22.2	22.	7.2
30	1	1986	1400	C4	6.	5.	4.2	24.3	22.2	22.	8.
30	1	1986	1400	C6	6.7	6.	3.5	24.4	22.3	22.1	7.6
30	1	1986	1400	C9	6.5	5.6	3.8	24.	22.8	22.2	8.2
30	1	1986	1400	D11	6.	5.4	3.9	23.8	22.8	22.7	7.8
30	1	1986	1400	D2	8.	6.5	4.5	24.	22.9	22.2	7.7
30	1	1986	1400	D4	7.5	6.2	5.3	23.	22.5	21.8	7.2
30	1	1986	1400	D7	7.8	6.4	3.9	23.8	22.9	22.4	7.8
30	1	1986	1400	D8	7.	6.5	5.7	24.	23.	22.	7.4
30	1	1986	1800	C1	5.3	4.7	3.9	24.	23.	22.5	7.3
30	1	1986	1800	C4	7.3	7.1	5.2	23.5	22.9	22.3	8.2
30	1	1986	1800	C6	7.3	6.3	4.6	24.5	23.	22.5	8.1
30	1	1986	1800	C9	7.7	6.	5.6	23.8	22.1	21.8	8.7
30	1	1986	1800	D11	7.2	5.1	2.5	24.	22.6	22.1	7.8
30	1	1986	1800	D2	7.5	6.9	4.8	24.1	23.	22.3	7.9
30	1	1986	1800	D4	5.9	4.2	2.7	24.	22.3	22.	7.4
30	1	1986	1800	D7	7.7	7.4	7.	24.1	23.1	22.9	8.1
30	1	1986	1800	D8	5.2	4.7	3.2	24.1	22.9	22.4	7.6
30	1	1986	2200	C1	5.	5.1	4.6	23.7	23.2	23.1	7.4
30	1	1986	2200	C4	7.1	5.9	4.9	23.1	22.9	22.2	8.
30	1	1986	2200	C6	6.6	5.3	4.5	23.2	23.2	22.7	7.9
30	1	1986	2200	C9	8.1	5.6	5.6	23.	22.	21.8	8.6
30	1	1986	2200	D11	6.1	6.	2.7	23.	22.8	22.2	7.7
30	1	1986	2200	D2	6.7	6.1	4.3	23.	23.	22.2	7.7
30	1	1986	2200	D4	5.7	3.4	2.1	23.1	22.1	22.	7.4
30	1	1986	2200	D7	7.1	6.7	5.6	23.1	23.1	22.8	7.9
30	1	1986	2200	D8	5.1	4.	2.8	23.	22.8	22.4	7.5
31	1	1986	200	C1	5.1	5.1	5.1	22.5	22.5	22.5	7.3
31	1	1986	200	C4	6.4	6.3	6.3	22.1	22.1	22.1	7.8
31	1	1986	200	C6	5.8	5.8	5.8	22.5	22.5	22.5	7.6
31	1	1986	200	C9	7.2	6.8	4.9	22.	22.	21.9	8.3
31	1	1986	200	D11	5.4	5.3	5.3	22.	22.	22.	7.5
31	1	1986	200	D2	5.8	5.7	5.7	22.1	22.1	22.1	7.5
31	1	1986	200	D4	5.4	5.2	4.8	22.	22.	22.	7.3
31	1	1986	200	D7	6.1	6.1	6.1	22.2	22.2	22.2	7.7

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
31	1	1986	200	D8	4.8	4.7	4.7	22.1	22.1	22.1	7.4
31	1	1986	600	C1	4.5	4.5	4.5	21.9	21.9	21.9	7.3
31	1	1986	600	C4	5.5	5.4	5.4	21.8	21.8	21.8	7.5
31	1	1986	600	C6	5.2	5.	4.9	21.8	21.8	21.8	7.3
31	1	1986	600	C9	6.2	6.2	6.1	21.1	21.2	21.2	7.8
31	1	1986	600	D11	4.6	4.5	4.4	21.2	21.2	21.2	7.4
31	1	1986	600	D2	5.2	5.1	4.9	21.5	21.5	21.5	7.6
31	1	1986	600	D4	4.3	4.3	4.2	21.1	21.1	21.1	7.3
31	1	1986	600	D7	5.7	5.7	5.5	21.9	21.9	21.9	7.5
31	1	1986	600	D8	4.3	4.3	4.2	21.5	21.5	21.5	7.4
11	2	1986	600	C1	5.	5.1	5.1	21.4	20.8	20.8	7.3
11	2	1986	600	C4	4.9	4.9	4.9	21.1	21.3	21.3	7.5
11	2	1986	600	C6	6.	5.8	5.7	21.1	21.1	21.1	7.6
11	2	1986	600	C9	5.4	5.4	5.4	21.1	21.1	21.1	7.5
11	2	1986	600	D11	4.8	4.8	4.6	21.	21.	21.	7.3
11	2	1986	600	D2	5.8	5.8	5.8	21.1	21.1	21.1	7.4
11	2	1986	600	D4	4.9	4.9	4.8	21.	21.	21.	7.4
11	2	1986	600	D7	5.8	5.8	5.8	21.8	21.8	21.7	7.5
11	2	1986	600	D8	4.9	4.9	4.8	21.5	21.5	21.5	7.6
11	2	1986	1000	C1	5.	4.5	3.4	21.6	21.4	21.3	7.5
11	2	1986	1000	C4	5.3	4.6	4.2	22.5	22.1	22.	7.7
11	2	1986	1000	C6	6.3	6.	4.8	22.5	22.	19.9	7.8
11	2	1986	1000	C9	4.6	4.3	4.1	22.2	22.	19.9	7.9
11	2	1986	1000	D11	5.5	4.6	3.8	22.9	21.9	21.3	7.6
11	2	1986	1000	D2	5.8	4.9	4.3	22.	21.9	19.9	7.7
11	2	1986	1000	D4	5.8	5.2	5.	22.	21.9	21.2	7.6
11	2	1986	1000	D7	6.	5.5	4.9	22.	21.5	21.2	7.6
11	2	1986	1000	D8	5.2	4.4	2.9	22.3	21.8	21.5	7.5
11	2	1986	1400	C1	7.2	5.2	3.	22.	22.1	21.8	7.5
11	2	1986	1400	C4	6.2	5.8	5.	23.5	23.	22.5	8.
11	2	1986	1400	C6	8.	7.2	6.2	24.	22.9	22.4	8.1
11	2	1986	1400	C9	6.	4.2	3.	23.6	22.	21.8	8.
11	2	1986	1400	D11	6.9	6.2	5.8	25.	24.	23.2	7.9
11	2	1986	1400	D2	7.4	6.6	4.1	23.2	22.	21.9	7.7
11	2	1986	1400	D4	6.2	5.8	1.9	23.8	22.9	22.3	7.8
11	2	1986	1400	D7	7.8	6.4	5.8	23.6	22.7	21.9	7.7
11	2	1986	1400	D8	6.8	5.9	4.9	24.	23.	22.2	7.6
11	2	1986	1800	C1	6.5	6.2	5.5	25.	23.	22.7	7.5
11	2	1986	1800	C4	6.7	5.2	4.7	24.9	22.5	22.	8.2
11	2	1986	1800	C6	8.8	6.8	5.4	24.4	22.2	22.	8.4
11	2	1986	1800	C9	6.6	6.3	6.2	24.2	22.9	22.	8.3
11	2	1986	1800	D11	7.4	5.9	3.5	24.8	22.2	21.5	8.1
11	2	1986	1800	D2	7.1	5.9	4.4	24.1	22.7	22.	7.9
11	2	1986	1800	D4	5.7	3.8	3.3	23.5	22.1	21.6	7.5
11	2	1986	1800	D7	7.7	7.7	6.4	24.8	23.1	22.2	8.1

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Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
11	2	1986	1800	D8	6.1	5.6	4.8	24.8	23.7	22.7	7.7
11	2	1986	2200	C1	5.9	5.6	4.8	23.5	23.2	22.	7.4
11	2	1986	2200	C4	6.3	4.8	2.9	23.5	23.	22.	7.8
11	2	1986	2200	C6	6.6	5.5	5.	23.	22.1	21.8	8.
11	2	1986	2200	C9	5.7	5.6	4.7	23.1	22.2	21.9	8.1
11	2	1986	2200	D11	6.4	4.6	3.9	23.	22.	21.8	7.7
11	2	1986	2200	D2	6.9	5.7	3.	23.	22.2	21.9	7.7
11	2	1986	2200	D4	5.7	3.7	2.4	23.	22.1	21.6	7.5
11	2	1986	2200	D7	6.6	6.5	6.	23.1	23.1	22.2	7.7
11	2	1986	2200	D8	5.7	5.4	4.4	23.1	23.1	22.5	7.6
12	2	1986	200	C1	5.7	5.7	5.7	22.2	22.2	22.2	7.2
12	2	1986	200	C4	5.9	5.8	5.4	22.	22.	22.	7.6
12	2	1986	200	C6	6.4	6.2	4.7	21.9	21.9	21.9	7.7
12	2	1986	200	C9	6.1	6.	6.	22.	22.	22.	7.9
12	2	1986	200	D11	5.8	5.6	4.8	21.7	21.7	21.7	7.6
12	2	1986	200	D2	6.2	6.1	5.8	22.	22.	22.	7.6
12	2	1986	200	D4	5.6	5.	1.3	21.8	21.8	21.8	7.4
12	2	1986	200	D7	6.4	6.4	6.3	22.	22.	22.	7.5
12	2	1986	200	D8	5.4	5.4	5.4	22.	22.	22.	7.6
12	2	1986	600	C1	4.9	4.9	4.9	21.7	21.7	21.7	7.3
12	2	1986	600	C4	4.7	4.7	4.7	21.4	21.4	21.4	7.4
12	2	1986	600	C6	5.3	5.3	5.3	21.1	21.1	21.1	7.6
12	2	1986	600	C9	5.3	5.3	5.3	21.1	21.1	21.1	7.8
12	2	1986	600	D11	4.1	4.1	4.	20.9	20.9	20.9	7.4
12	2	1986	600	D2	5.2	5.2	5.1	21.1	21.1	21.1	7.4
12	2	1986	600	D4	4.5	4.5	4.5	20.9	21.	21.	7.3
12	2	1986	600	D7	5.6	5.6	5.6	21.	21.1	21.1	7.6
12	2	1986	600	D8	4.7	4.7	4.9	21.2	21.2	21.2	7.5
27	2	1986	600	C1	4.3	4.9	4.9				7.2
27	2	1986	600	C4	4.9	4.3	4.3				7.4
27	2	1986	600	C6	3.4	3.9	3.3				7.3
27	2	1986	600	C9	5.2	5.2	4.1				7.5
27	2	1986	600	D11	3.9	3.9	3.6				7.3
27	2	1986	600	D2	4.9	4.9	4.7				7.4
27	2	1986	600	D4	4.2	4.1	4.				7.4
27	2	1986	600	D7	5.3	5.2	5.2				7.2
27	2	1986	600	D8	4.8	4.7	4.7				7.4
27	2	1986	953	C1	5.4	4.4	4.2	22.	21.8	21.8	7.2
27	2	1986	959	C4	3.9	3.5	3.2	22.	21.5	21.5	7.4
27	2	1986	1005	C6	3.7	2.7	1.7	22.	21.8	21.7	7.3
27	2	1986	1010	C9	4.4	3.5	2.1	21.9	21.7	21.7	7.5
27	2	1986	1017	D2	4.5	4.	3.5	21.9	21.6	21.6	7.4
27	2	1986	1023	D4	4.1	3.9	1.9	21.5	21.2	21.2	7.4
27	2	1986	1028	D7	4.5	4.3	3.9	21.9	21.8	21.8	7.2
27	2	1986	1034	D8	4.7	4.4	4.	22.	21.9	21.9	7.4

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Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
27	2	1986	1040	D11	4.3	4.2	4.	21.5	21.2	21.2	7.3
27	2	1986	1345	C1	5.1	5.1	4.9	21.1	21.2	21.2	7.5
27	2	1986	1350	C4	4.1	4.1	4.	21.	21.1	21.1	7.5
27	2	1986	1353	C6	4.1	4.1	3.9	21.	21.1	21.1	7.4
27	2	1986	1359	C9	4.8	4.5	4.3	21.	21.	21.	7.9
27	2	1986	1403	D2	4.9	4.5	4.3	21.	21.1	21.1	7.6
27	2	1986	1409	D4	3.5	3.5	3.3	21.	21.	21.	7.4
27	2	1986	1413	D7	5.5	5.4	5.4	21.1	21.2	21.3	7.4
27	2	1986	1417	D8	5.	5.	5.	21.1	21.2	21.3	7.4
27	2	1986	1421	D11	4.4	4.3	4.3	20.9	21.	21.	7.3
27	2	1986	1805	C1	5.4	5.4	5.3	21.2	21.2	21.2	7.4
27	2	1986	1810	C4	5.1	5.1	5.1	21.	21.	21.	7.5
27	2	1986	1817	C6	4.7	4.6	4.6	21.1	21.1	21.1	7.4
27	2	1986	1820	C9	5.6	5.5	5.3	21.	21.	21.	7.8
27	2	1986	1825	D2	5.6	5.5	5.5	21.	21.	21.	7.6
27	2	1986	1828	D4	5.7	5.5	5.5	21.	21.	21.	7.5
27	2	1986	1830	D7	6.1	6.1	6.1	21.2	21.2	21.2	7.5
27	2	1986	1835	D8	5.4	5.4	5.1	21.3	21.3	21.3	7.5
27	2	1986	1845	D11	4.6	4.6	4.6	21.	21.	21.	7.3
27	2	1986	2110	D2	4.9	4.8	4.6	20.5	20.5	20.5	7.5
27	2	1986	2145	C1	4.9	4.9	4.8	20.9	20.9	20.9	7.2
27	2	1986	2155	C4	4.4	4.4	4.4	20.5	20.5	20.5	7.3
27	2	1986	2200	C6	4.3	4.3	4.2	20.6	20.6	20.6	7.3
27	2	1986	2205	C9	5.3	5.3	5.3	20.6	20.6	20.6	7.8
27	2	1986	2215	D4	3.2	3.2	3.2	20.5	20.5	20.5	7.3
27	2	1986	2220	D7	5.5	5.5	5.5	20.9	20.9	20.9	7.4
27	2	1986	2223	D8	5.1	5.1	5.1	20.9	20.9	20.9	7.4
27	2	1986	2230	D11	4.	4.	4.	20.5	20.5	20.5	7.2
28	2	1986	140	C1	4.9	4.9	4.9	20.1	20.1	20.1	7.2
28	2	1986	145	C4	4.4	4.4	4.3	19.9	19.9	19.9	7.4
28	2	1986	150	C6	3.9	3.9	3.9	20.	20.	20.	7.2
28	2	1986	155	C9	5.4	5.4	5.4	20.	20.	20.	7.7
28	2	1986	200	D2	4.8	4.8	4.7	19.9	19.9	19.9	7.4
28	2	1986	205	D4	2.9	2.9	2.9	20.	20.	20.	7.3
28	2	1986	210	D7	5.7	5.6	5.6	20.2	20.2	20.2	7.3
28	2	1986	213	D8	4.8	4.8	4.7	20.1	20.1	20.1	7.4
28	2	1986	215	D11	3.7	3.6	3.5	19.9	19.9	19.9	7.2
28	2	1986	530	C1	4.2	4.2	4.2	19.6	19.6	19.6	7.3
28	2	1986	535	C4	3.7	3.7	3.7	19.2	19.2	19.2	7.3
28	2	1986	540	C6	3.5	3.5	3.5	19.1	19.1	19.1	7.4
28	2	1986	545	C9	4.8	4.8	4.8	19.2	19.2	19.2	7.4
28	2	1986	550	D2	4.1	4.1	4.1	19.1	19.1	19.1	7.2
28	2	1986	555	D4	2.5	2.5	2.5	19.4	19.4	19.4	7.2
28	2	1986	600	D7	5.1	5.	5.	19.8	19.9	19.9	7.3
28	2	1986	603	D8	4.2	4.2	4.2	19.8	19.8	19.8	7.3

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet 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	1986	610	D11	3.2	3.2	3.2	19.1	19.1	19.1	7.5
13	3	1986	550	C1	5.4	5.4	5.3	21.4	21.4	21.4	7.4
13	3	1986	555	C4	5.7	5.7	5.7	21.1	21.1	21.1	7.4
13	3	1986	559	C6	5.2	5.1	5.1	21.9	21.9	21.9	7.5
13	3	1986	601	C9	5.4	5.4	5.4	21.8	21.8	21.8	7.6
13	3	1986	610	D2	7.3	7.3	7.2	21.3	21.3	21.3	7.5
13	3	1986	612	D4	5.1	5.	5.	21.3	21.3	21.3	7.3
13	3	1986	617	D7	6.1	6.1	6.1	21.2	21.2	21.2	7.4
13	3	1986	620	D8	4.7	4.7	4.7	21.8	21.8	21.8	7.3
13	3	1986	625	D11	5.3	5.3	5.3	21.5	21.5	21.5	7.4
13	3	1986	942	C1	5.2	4.8	4.3	22.2	22.	21.8	7.5
13	3	1986	946	C4	5.6	5.2	4.8	21.8	21.6	21.5	7.6
13	3	1986	950	C6	5.5	5.2	4.7	22.	21.9	21.6	7.4
13	3	1986	954	C9	5.6	5.4	5.2	22.4	22.1	22.	7.9
13	3	1986	959	D2	7.2	6.5	6.	22.3	22.1	21.9	8.1
13	3	1986	1002	D4	4.8	4.6	3.7	22.4	22.1	21.9	7.4
13	3	1986	1008	D7	6.4	5.8	5.5	22.3	22.1	21.9	7.6
13	3	1986	1011	D8	4.7	4.5	4.3	22.8	22.4	22.1	7.6
13	3	1986	1015	D11	5.8	5.5	4.8	22.8	22.2	21.9	7.4
13	3	1986	1313	C1	6.4	6.	5.6	23.	22.6	22.2	7.6
13	3	1986	1317	C4	6.4	6.1	5.4	23.3	22.5	22.	7.7
13	3	1986	1321	C6	6.3	5.2	4.7	23.8	23.	22.6	7.7
13	3	1986	1324	C9	6.2	5.8	5.4	23.5	23.	22.5	7.8
13	3	1986	1329	D2	8.1	7.6	6.5	23.6	23.	22.6	8.3
13	3	1986	1333	D4	5.8	5.	4.7	22.8	22.6	22.4	7.6
13	3	1986	1336	D7	7.4	7.	6.3	23.2	22.8	22.2	7.5
13	3	1986	1340	D8	6.	5.2	5.	23.2	22.9	22.4	7.6
13	3	1986	1350	D11	7.5	5.8	5.	23.2	22.8	22.	7.4
13	3	1986	1750	C1	6.1	4.9	4.6	23.6	22.9	21.4	7.4
13	3	1986	1755	C4	6.3	5.2	3.7	23.1	22.5	21.9	7.8
13	3	1986	1800	C6	6.1	4.5	4.1	23.3	23.1	23.1	7.5
13	3	1986	1805	C9	5.9	5.5	4.7	23.1	23.1	23.1	7.9
13	3	1986	1807	D2	8.	7.2	4.9	23.	22.5	21.9	8.2
13	3	1986	1810	D4	5.8	3.7	2.1	23.	22.9	22.9	7.4
13	3	1986	1813	D7	6.4	6.	3.4	23.	22.5	21.9	7.5
13	3	1986	1815	D8	5.5	4.8	3.3	23.1	23.1	22.5	7.6
13	3	1986	1822	D11	6.7	4.5	1.8	23.	22.2	21.7	7.7
13	3	1986	2130	C1	5.5	4.6	3.3	22.1	22.2	22.2	7.4
13	3	1986	2135	C4	5.8	5.6	1.9	22.	22.	22.	7.7
13	3	1986	2145	C6	5.3	5.2	5.	22.2	22.2	22.2	7.5
13	3	1986	2150	C9	5.5	5.5	5.5	22.1	22.1	22.1	7.7
13	3	1986	2155	D2	7.6	7.5	7.1	22.	22.	22.	7.8
13	3	1986	2200	D4	5.2	4.7	2.4	22.	22.	22.	7.3
13	3	1986	2205	D7	5.8	5.6	5.1	22.	22.	22.	7.5
13	3	1986	2210	D8	4.8	4.8	4.8	22.	22.	22.	7.5

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
13	3	1986	2215	D11	5.9	5.5	3.	22.	21.9	21.9	7.4
14	3	1986	135	C1	4.6	4.5	4.5	21.1	21.1	21.1	7.3
14	3	1986	140	C4	4.9	4.9	4.8	21.	21.	21.	7.5
14	3	1986	145	C6	4.4	4.4	4.4	21.5	21.5	21.5	7.3
14	3	1986	150	C9	5.	4.9	4.7	21.1	21.1	21.1	7.7
14	3	1986	155	D2	6.4	6.3	6.3	21.	21.	21.	7.7
14	3	1986	200	D4	4.1	4.1	4.1	21.	21.	21.	7.3
14	3	1986	202	D7	5.1	5.1	5.1	21.	21.	21.	7.3
14	3	1986	205	D8	4.2	4.2	4.1	21.	21.	21.	7.3
14	3	1986	210	D11	4.6	4.6	4.5	21.	21.	21.	7.3
14	3	1986	545	C1	4.	4.	3.9	20.5	20.5	20.5	7.3
14	3	1986	547	C4	4.4	4.4	4.4	20.	20.	19.1	7.3
14	3	1986	550	C6	3.8	3.8	3.8	20.3	20.2	20.2	7.4
14	3	1986	555	C9	4.8	4.7	4.7	20.2	20.2	20.2	7.5
14	3	1986	600	D2	5.7	5.6	5.5	20.1	20.	20.	7.3
14	3	1986	602	D4	3.7	3.7	3.7	20.2	20.2	20.2	7.2
14	3	1986	605	D7	4.7	4.6	4.5	20.	20.	20.	7.1
14	3	1986	608	D8	3.9	3.9	3.9	20.3	20.2	20.1	7.1
14	3	1986	610	D11	4.2	4.1	4.1	20.	20.	20.	7.1
27	3	1986	620	C1	4.5	4.5	4.5	21.	21.	21.	7.2
27	3	1986	627	C4	4.7	4.7	4.7	19.1	19.4	19.1	7.4
27	3	1986	630	C6	5.9	5.8	5.8	19.3	19.4	19.8	7.3
27	3	1986	632	C9	5.7	5.7	5.7	20.5	20.5	20.6	7.5
27	3	1986	634	D2	6.3	6.2	6.2	20.4	20.5	20.6	7.6
27	3	1986	635	D4	4.3	4.3	4.3	20.1	20.1	20.1	7.3
27	3	1986	636	D7	5.4	5.3	5.4	20.5	20.5	20.5	7.2
27	3	1986	637	D8	4.8	4.8	4.8	20.5	20.6	20.7	7.2
27	3	1986	640	D11	3.4	3.3	3.2	20.	20.	20.	7.2
27	3	1986	946	C1	4.8	4.5	4.	21.5	21.3	21.2	7.2
27	3	1986	950	C4	4.4	4.2	4.	21.4	21.1	21.	7.3
27	3	1986	954	C6	6.	5.9	5.5	21.3	21.1	21.	7.3
27	3	1986	958	C9	5.7	5.6	5.4	21.5	21.3	21.	7.6
27	3	1986	1002	D2	7.5	7.2	6.9	21.3	21.1	21.	8.1
27	3	1986	1006	D4	4.	3.8	3.6	21.6	21.4	21.1	7.5
27	3	1986	1010	D7	6.	5.7	5.3	21.3	21.1	20.8	7.2
27	3	1986	1015	D8	5.5	5.3	5.1	21.2	21.	20.7	7.1
27	3	1986	1020	D11	2.9	2.7	2.5	21.7	20.6	20.6	7.2
27	3	1986	1339	C1	6.7	6.5	6.3	23.	22.1	22.	7.3
27	3	1986	1344	C4	7.	6.5	5.6	22.5	22.	21.	7.7
27	3	1986	1347	C6	8.5	7.6	5.4	23.	22.	21.3	7.8
27	3	1986	1351	C9	6.5	6.3	6.1	22.	21.3	21.2	7.8
27	3	1986	1354	D2	10.4	9.5	8.5	22.5	22.1	21.3	8.9
27	3	1986	1358	D4	6.	4.8	4.3	23.8	22.3	21.8	7.7
27	3	1986	1402	D7	6.9	6.	4.5	22.5	21.8	21.3	7.5
27	3	1986	1407	D8	6.5	5.5	4.5	22.5	22.	21.5	7.4

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
27	3	1986	1410	D11	4.7	3.6	2.5	22.	21.1	20.8	7.4
27	3	1986	1745	C1	6.4	4.7	3.7	24.	24.	22.	7.6
27	3	1986	1750	C4	6.9	4.6	3.7	23.8	22.2	21.7	8.1
27	3	1986	1754	C6	8.7	6.1	4.7	23.5	22.2	21.9	8.3
27	3	1986	1759	C9	6.4	5.6	5.4	23.5	22.5	22.	8.1
27	3	1986	1805	D2	9.7	8.1	6.8	23.2	22.	21.3	9.1
27	3	1986	1812	D4	5.4	3.4	2.7	23.2	22.	21.5	7.5
27	3	1986	1820	D7	6.7	5.7	4.6	23.8	22.2	21.8	7.5
27	3	1986	1825	D8	6.1	5.5	5.1	23.5	22.6	22.	7.5
27	3	1986	1830	D11	4.1	2.4	1.6	23.	21.4	21.1	7.6
27	3	1986	2130	C1	5.8	4.6	3.9	22.9	22.5	22.	7.3
27	3	1986	2134	C4	6.5	4.5	4.2	22.7	22.	21.5	7.9
27	3	1986	2137	C6	7.2	6.1	6.1	23.	22.1	21.9	7.9
27	3	1986	2140	C9	6.1	5.5	4.7	21.3	21.1	21.1	7.9
27	3	1986	2143	D2	8.8	6.7	6.3	21.5	21.9	21.1	8.8
27	3	1986	2146	D4	5.5	3.	2.4	22.5	22.	21.3	7.5
27	3	1986	2150	D7	6.4	5.6	3.3	22.6	22.1	21.5	7.4
27	3	1986	2153	D8	6.2	5.1	4.5	22.1	22.5	22.8	7.5
27	3	1986	2200	D11	6.3	5.5	2.3	22.1	21.7	21.1	7.4
28	3	1986	130	C1	5.3	5.3	5.3	22.	22.	22.	7.3
28	3	1986	135	C4	6.1	5.8	4.8	21.9	21.9	21.9	7.6
28	3	1986	140	C6	6.9	6.8	6.	22.	22.	22.	7.6
28	3	1986	144	C9	6.	5.9	5.9	21.9	21.9	21.9	7.7
28	3	1986	148	D2	8.4	8.	6.6	21.5	21.5	21.5	8.6
28	3	1986	150	D4	5.2	4.9	2.3	21.8	21.8	21.8	7.4
28	3	1986	155	D7	6.1	5.7	5.1	21.9	21.9	21.9	7.3
28	3	1986	200	D8	5.9	5.9	5.9	22.	22.	22.	7.3
28	3	1986	210	D11	4.7	4.7	4.7	21.5	21.5	21.5	7.2
28	3	1986	530	C1	4.2	4.2	4.2	21.5	21.2	21.3	7.1
28	3	1986	533	C4	4.9	4.9	4.9	21.	21.	21.	7.3
28	3	1986	535	C6	5.5	5.5	5.4	21.	21.1	21.1	7.2
28	3	1986	540	C9	5.5	5.2	5.2	21.	21.	21.	7.4
28	3	1986	542	D2	7.1	7.1	7.1	20.9	21.	21.	7.6
28	3	1986	545	D4	3.6	3.6	3.6	21.	21.	21.	7.3
28	3	1986	550	D7	4.8	4.8	4.8	21.	21.	21.	7.2
28	3	1986	555	D8	4.9	4.9	4.9	21.1	21.1	21.1	7.2
28	3	1986	600	D11	3.3	3.3	3.3	20.8	20.9	20.9	7.2
9	4	1986	600	C1	6.2	6.2	6.2	21.8	21.8	21.8	7.3
9	4	1986	605	C4	6.7	6.5	5.6	21.2	21.2	21.2	8.
9	4	1986	609	C6	6.5	5.9	4.9	21.3	21.3	21.1	7.6
9	4	1986	613	C9	5.9	5.6	4.4	21.	21.	20.8	7.7
9	4	1986	618	D2	5.8	4.9	2.9	20.1	20.1	19.1	7.7
9	4	1986	622	D4	4.9	3.9	2.3	20.6	20.6	20.4	7.3
9	4	1986	628	D7	6.1	5.7	5.4	21.	21.	20.9	7.3
9	4	1986	632	D8	5.9	5.8	5.7	21.	21.	21.	7.3

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
9	4	1986	636	D11	5.9	5.4	3.2	21.	21.	20.9	7.3
9	4	1986	1012	C1	6.7	6.4	5.9	22.	22.	22.	7.4
9	4	1986	1015	C4	7.6	7.	5.1	22.	22.	21.7	8.
9	4	1986	1019	C6	6.4	6.1	5.7	22.	22.	21.8	7.7
9	4	1986	1022	C9	6.4	5.7	5.1	21.7	21.5	21.1	7.6
9	4	1986	1027	D2	6.2	5.3	4.1	21.1	21.	20.9	8.2
9	4	1986	1030	D4	4.8	4.	3.2	21.7	21.4	21.1	7.3
9	4	1986	1034	D7	6.8	6.5	5.6	22.	21.9	21.5	7.3
9	4	1986	1036	D8	6.	5.8	5.7	22.	21.8	21.7	7.3
9	4	1986	1040	D11	5.8	4.	3.1	22.	21.3	21.1	7.4
9	4	1986	1334	C1	8.2	7.7	7.3	19.	18.5	18.2	7.4
9	4	1986	1339	C4	9.2	7.8	6.8	20.	19.4	19.4	8.6
9	4	1986	1344	C6	8.3	7.2	7.2	22.9	22.2	22.	8.2
9	4	1986	1349	C9	7.7	7.	5.3	22.5	22.	21.1	7.8
9	4	1986	1353	D2	8.6	5.8	4.3	21.8	21.1	20.9	9.1
9	4	1986	1358	D4	6.8	5.2	2.7	22.8	22.1	21.5	7.3
9	4	1986	1402	D7	8.5	8.2	7.1	23.2	22.6	22.1	7.4
9	4	1986	1408	D8	8.1	7.2	6.7	23.2	22.8	22.1	7.4
9	4	1986	1414	D11	8.7	7.7	5.3	22.6	22.	21.5	7.9
9	4	1986	1800	C1	7.5	6.7	6.2	23.2	23.2	23.2	7.2
9	4	1986	1805	C4	8.4	8.1	7.3	23.	23.	22.2	8.5
9	4	1986	1809	C6	8.6	8.2	6.7	23.	22.8	22.3	7.9
9	4	1986	1814	C9	7.3	6.8	6.6	22.8	22.4	21.5	7.7
9	4	1986	1820	D2	8.1	5.4	4.7	22.8	22.4	21.	9.1
9	4	1986	1824	D4	6.3	4.6	3.6	22.1	21.9	21.3	7.6
9	4	1986	1829	D7	8.	7.7	7.2	22.6	22.4	22.	7.5
9	4	1986	1833	D8	7.	6.3	5.	22.8	22.5	22.	7.5
9	4	1986	1838	D11	6.3	6.3	4.2	22.2	22.	21.6	7.5
9	4	1986	2132	C1	6.3	6.2	6.2	22.5	22.5	22.5	7.3
9	4	1986	2134	C4	6.7	6.2	5.1	22.4	22.4	22.	8.3
9	4	1986	2135	C6	6.5	6.4	4.8	22.2	22.2	22.1	7.9
9	4	1986	2140	C9	6.3	6.2	4.5	22.	22.	21.5	7.6
9	4	1986	2205	D2	6.5	4.3	2.7	21.8	21.1	20.6	8.6
9	4	1986	2210	D4	5.9	4.4	2.2	22.	22.	21.3	7.3
9	4	1986	2215	D7	6.4	6.4	6.4	22.	22.	22.	7.4
9	4	1986	2219	D8	6.4	6.3	5.7	22.	22.	22.	7.5
9	4	1986	2224	D11	6.	5.8	3.6	22.	22.	21.5	7.5
10	4	1986	136	C1	5.7	5.7	5.7	22.	22.	22.	7.3
10	4	1986	141	C4	6.6	6.6	6.5	22.	22.	22.	7.9
10	4	1986	145	C6	6.	6.	5.9	22.	22.	22.	7.7
10	4	1986	150	C9	6.	5.8	5.2	21.5	21.5	21.5	7.4
10	4	1986	154	D2	6.	5.7	1.8	21.	21.	20.8	8.1
10	4	1986	200	D4	5.4	5.1	2.3	21.3	21.3	21.2	7.2
10	4	1986	203	D7	6.2	6.2	6.2	21.7	21.8	21.8	7.3
10	4	1986	207	D8	6.	6.	5.9	21.8	21.8	21.8	7.3

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
10	4	1986	211	D11	5.3	5.3	5.3	21.2	21.3	21.3	7.3
10	4	1986	538	C1	5.3	5.3	5.3	21.5	21.5	21.5	7.2
10	4	1986	544	C4	5.7	5.7	5.7	21.2	21.2	21.2	7.6
10	4	1986	548	C6	5.2	5.2	5.2	21.2	21.2	21.3	7.4
10	4	1986	551	C9	5.6	5.6	5.6	21.	21.	21.	7.4
10	4	1986	555	D2	4.5	4.5	4.1	20.5	20.5	20.5	7.6
10	4	1986	600	D4	4.6	4.6	4.6	21.	21.	21.	7.1
10	4	1986	603	D7	5.4	5.3	5.3	21.1	21.1	21.1	7.1
10	4	1986	605	D8	5.5	5.5	5.5	21.	21.	21.	7.3
10	4	1986	610	D11	4.3	4.3	4.3	21.	21.	21.	7.2
22	4	1986	610	C1	4.8	4.8	4.8	21.	21.	21.	7.1
22	4	1986	613	C4	6.7	6.7	6.7	20.9	20.9	20.9	8.1
22	4	1986	616	C6	4.8	4.8	4.8	21.	21.	21.	7.4
22	4	1986	620	C9	6.	6.	6.	20.9	20.9	20.9	7.5
22	4	1986	623	D2	5.2	5.2	5.2	20.8	20.8	20.8	7.3
22	4	1986	625	D4	3.8	3.8	3.8	20.8	20.8	20.8	7.1
22	4	1986	628	D7	4.8	4.8	4.8	21.	21.	21.	7.1
22	4	1986	630	D8	4.8	4.8	4.8	21.	21.	21.	7.3
22	4	1986	632	D11	4.2	4.2	4.2	20.3	20.3	20.3	7.1
22	4	1986	935	C1	5.4	5.1	4.9	22.	21.7	21.4	7.2
22	4	1986	940	C4	8.6	8.4	6.8	21.5	21.3	21.	8.8
22	4	1986	944	C6	5.6	5.2	4.5	22.	21.8	21.2	7.5
22	4	1986	947	C9	7.	6.4	5.8	21.8	21.3	21.	7.5
22	4	1986	951	D2	6.7	5.4	4.7	21.6	21.	20.8	7.4
22	4	1986	956	D4	4.3	3.5	3.3	21.7	21.1	21.	7.
22	4	1986	1000	D7	5.7	5.5	4.8	22.	21.8	21.1	7.1
22	4	1986	1005	D8	5.2	4.8	4.4	21.8	21.4	21.1	7.3
22	4	1986	1011	D11	7.	3.6	3.	21.4	21.	20.5	7.2
22	4	1986	1333	C1	7.1	6.	4.8	22.	22.	21.2	7.4
22	4	1986	1340	C4	11.6	8.7	6.2	22.2	21.5	21.	9.3
22	4	1986	1344	C6	7.7	6.7	4.8	22.1	21.9	21.3	8.
22	4	1986	1347	C9	7.8	7.2	6.	22.	21.5	21.1	7.7
22	4	1986	1350	D2	8.6	6.9	4.5	22.1	21.3	21.	7.8
22	4	1986	1354	D4	5.8	4.6	3.1	22.	21.4	21.	7.2
22	4	1986	1400	D7	6.8	6.4	4.7	22.1	21.9	21.2	7.4
22	4	1986	1404	D8	5.6	5.8	5.1	22.1	21.8	21.3	7.5
22	4	1986	1409	D11	7.8	4.4	2.5	22.1	21.1	20.7	7.6
22	4	1986	1810	C1	8.1	7.	5.2	22.	22.	21.8	7.4
22	4	1986	1815	C4	13.2	11.4	6.5	21.1	22.	21.	9.4
22	4	1986	1817	C6	8.	6.9	4.2	22.1	22.	21.5	7.9
22	4	1986	1820	C9	8.4	7.8	5.9	21.1	21.7	21.1	7.5
22	4	1986	1824	D2	9.1	6.8	4.7	22.	21.5	21.	7.5
22	4	1986	1827	D4	6.1	4.4	2.7	22.	22.1	21.	7.1
22	4	1986	1830	D7	7.1	6.6	5.4	22.1	21.9	21.2	7.2
22	4	1986	1832	D8	6.4	5.8	4.8	22.	22.	21.3	7.4

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
22	4	1986	1835	D11	7.8	3.7	2.1	22.	21.1	20.5	7.4
22	4	1986	2135	C1	6.4	6.2	5.4	21.8	21.7	21.5	7.4
22	4	1986	2140	C4	11.8	11.4	6.5	21.5	21.5	21.	9.2
22	4	1986	2142	C6	6.9	6.9	6.9	21.8	21.7	21.5	7.7
22	4	1986	2145	C9	7.7	6.7	6.2	21.	21.	21.	7.6
22	4	1986	2150	D2	8.6	8.3	4.4	21.	21.	21.	7.7
22	4	1986	2155	D4	5.8	5.2	2.3	21.	21.	21.	7.2
22	4	1986	2200	D7	6.8	6.6	4.7	21.5	21.5	21.3	7.2
22	4	1986	2202	D8	6.1	6.1	6.1	21.4	21.4	21.	7.3
22	4	1986	2210	D11	7.3	6.3	1.7	21.	21.	21.	7.5
23	4	1986	135	C1	6.	6.	6.	21.	21.	21.	7.2
23	4	1986	140	C4	8.8	8.7	8.6	21.	21.	21.	8.9
23	4	1986	142	C6	5.8	5.8	5.8	21.	21.	21.	7.6
23	4	1986	145	C9	6.9	6.8	6.8	21.	21.	21.	7.7
23	4	1986	147	D2	6.5	6.4	6.4	20.9	20.9	20.9	7.6
23	4	1986	150	D4	4.4	4.4	4.4	20.9	20.9	21.	7.3
23	4	1986	155	D7	5.7	5.6	5.6	21.	21.	21.	7.3
23	4	1986	200	D8	5.2	5.2	5.1	21.	21.	21.	7.5
23	4	1986	205	D11	5.2	5.2	5.2	20.5	20.5	20.5	7.3
23	4	1986	540	C1	5.5	5.5	5.5	21.	21.	20.9	7.2
23	4	1986	542	C4	7.6	7.6	7.6	20.7	20.7	20.7	8.5
23	4	1986	545	C6	5.3	5.3	5.3	20.9	20.9	20.9	7.5
23	4	1986	547	C9	6.4	6.3	6.3	20.5	20.5	20.5	7.5
23	4	1986	550	D2	5.8	5.8	5.8	20.2	20.2	20.2	7.3
23	4	1986	553	D4	3.8	3.8	3.8	20.5	20.5	20.5	7.1
23	4	1986	555	D7	5.3	5.3	5.3	20.8	20.8	20.8	7.2
23	4	1986	600	D8	4.6	4.6	4.6	20.8	20.8	20.8	7.4
23	4	1986	605	D11	4.1	4.1	4.1	20.	20.	20.	7.3
6	5	1986	600	C1	4.7	4.6	4.6	22.9	22.9	23.	7.2
6	5	1986	605	C4	4.7	4.7	4.7	22.1	22.1	22.2	9.2
6	5	1986	610	C6	4.6	4.6	4.6	23.	23.1	23.1	7.3
6	5	1986	614	C9	5.4	5.4	5.	23.	23.	23.	7.8
6	5	1986	619	D2	5.6	5.6	5.6	22.2	22.2	22.2	7.4
6	5	1986	624	D4	3.8	3.8	3.8	22.8	22.8	22.8	7.
6	5	1986	628	D7	5.	5.	5.	23.	23.	23.1	7.1
6	5	1986	632	D8	5.2	5.2	5.2	23.	23.	23.	7.3
6	5	1986	636	D11	3.8	3.8	3.8	22.2	22.2	22.2	7.2
6	5	1986	950	C1	5.4	5.3	5.	19.2	19.1	19.	7.1
6	5	1986	956	C4	8.	4.5	2.8	23.	22.5	22.5	9.4
6	5	1986	1004	C6	5.7	5.3	4.5	24.	23.5	23.	7.6
6	5	1986	1010	C9	5.8	5.7	5.6	24.	23.5	23.	7.6
6	5	1986	1018	D2	7.5	5.8	4.7	23.5	22.5	22.5	7.7
6	5	1986	1020	D4	4.5	3.7	2.5	24.	23.	23.	7.
6	5	1986	1030	D7	5.8	5.5	4.8	24.	23.5	23.	7.2
6	5	1986	1036	D8	5.9	5.5	5.2	24.	23.5	23.	7.3

Table 4. Diurnal Measurements. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
6	5	1986	1038	D11	6.1	4.1	3.	23.5	23.	22.5	7.3
6	5	1986	1334	C1	7.4	6.8	4.7	25.5	24.	23.	7.5
6	5	1986	1341	C4	16.	5.8	3.2	25.	22.5	22.	9.9
6	5	1986	1346	C6	8.	6.8	5.1	25.	23.	23.	8.
6	5	1986	1349	C9	6.9	6.8	6.6	25.5	24.	23.5	7.7
6	5	1986	1354	D2	10.8	8.2	4.2	26.	23.	22.2	8.5
6	5	1986	1359	D4	6.7	5.3	2.7	26.	23.5	23.	7.3
6	5	1986	1403	D7	7.4	6.9	5.2	26.	24.	23.4	7.3
6	5	1986	1407	D8	7.4	6.8	6.2	26.	24.5	24.	7.4
6	5	1986	1412	D11	8.8	6.2	2.4	25.	23.5	22.5	7.5
6	5	1986	1750	C1	7.8	6.3	5.1	25.5	24.	23.5	7.4
6	5	1986	1755	C4	17.2	4.7	0.8	25.	23.	22.	9.9
6	5	1986	1804	C6	8.4	7.2	3.9	25.5	24.	23.5	7.8
6	5	1986	1809	C9	6.9	6.9	6.1	25.	24.5	24.	7.7
6	5	1986	1815	D2	9.7	8.3	3.5	25.	23.	22.5	8.4
6	5	1986	1820	D4	6.5	5.9	2.7	25.	24.	23.	7.1
6	5	1986	1826	D7	7.2	6.8	5.5	25.	24.5	23.5	7.3
6	5	1986	1830	D8	7.5	7.3	5.9	25.	24.5	23.5	7.6
6	5	1986	1835	D11	1.3	6.2	1.7	25.	23.	22.	7.6
6	5	1986	2130	C1	6.8	6.8	4.2	24.	24.	24.	7.3
6	5	1986	2140	C4	11.6	7.8	0.5	24.	23.	22.	9.8
6	5	1986	2145	C6	7.3	7.2	5.5	24.	24.	24.	7.5
6	5	1986	2148	C9	6.5	6.5	5.7	24.	24.	24.	7.7
6	5	1986	2150	D2	8.9	7.7	2.9	24.	23.	22.5	8.2
6	5	1986	2200	D4	5.9	5.8	1.2	23.5	24.	23.	7.3
6	5	1986	2204	D7	6.7	6.5	4.6	24.	24.	23.5	7.3
6	5	1986	2210	D8	6.5	6.4	5.3	24.	24.	24.	7.5
6	5	1986	2215	D11	7.3	6.7	0.2	24.	23.5	23.5	7.5
7	5	1986	130	C1	5.9	5.9	5.8	23.	23.	23.	7.2
7	5	1986	135	C4	7.7	7.7	0.7	23.	23.	22.5	9.6
7	5	1986	145	C6	5.6	5.6	5.5	23.5	23.5	23.5	7.4
7	5	1986	150	C9	6.2	6.2	6.2	23.5	23.5	23.5	7.4
7	5	1986	155	D2	6.8	6.8	6.7	23.	23.	23.	7.7
7	5	1986	200	D4	5.3	5.3	4.5	23.	23.	23.	7.1
7	5	1986	205	D7	6.2	6.2	6.2	23.	23.	23.	7.3
7	5	1986	208	D8	5.8	5.8	5.7	23.5	23.5	23.5	7.6
7	5	1986	215	D11	5.8	5.8	0.4	23.	23.	23.	7.4
7	5	1986	530	C1	4.7	4.7	4.7	23.	23.	23.	7.1
7	5	1986	540	C4	5.	5.	5.	22.	22.	22.	9.1
7	5	1986	545	C6	4.6	4.6	4.6	23.	23.	23.	7.3
7	5	1986	547	C9	5.5	5.5	5.5	23.	23.	23.	7.5
7	5	1986	550	D2	5.6	5.6	5.6	22.	22.	22.	7.3
7	5	1986	555	D4	3.8	3.8	3.8	22.	22.	22.	7.4
7	5	1986	600	D7	5.2	5.2	5.2	23.	23.	23.	7.1
7	5	1986	605	D8	5.1	5.1	5.1	23.	23.	23.	7.3
7	5	1986	612	D11	4.8	4.4	4.4	22.	22.	22.	7.3

Table 5. Fish/Shrimp Stocking, Sampling, and Harvesting. Rwanda, Cycle III, 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
9	7	1986	C1	STK	nil	24.4	600	41.	60	13.7	12.5	60	1.41	0.	0.
9	7	1986	C4	STK	nil	28.	600	44.	60	14.2	12.9	60	1.33	0.	0.
9	7	1986	C6	STK	nil	25.6	600	46.	60	13.7	13.1	60	1.36	0.	0.
9	7	1986	C9	STK	nil	23.4	600	43.	60	12.7	12.9	60	1.19	0.	0.
9	7	1986	D11	STK	nil	26.2	600	48.	60	14.2	13.2	60	1.35	0.	0.
9	7	1986	D2	STK	nil	25.1	600	44.	60	10.7	12.9	60	0.97	0.	0.
9	7	1986	D4	STK	nil	24.2	600	45.	60	14.5	13.	60	1.37	0.	0.
9	7	1986	D7	STK	nil	22.7	600	42.	60	14.1	12.6	60	1.39	0.	0.
9	7	1986	D8	STK	nil	30.1	600	48.	60	14.9	13.3	60	1.44	0.	0.
8	8	1986	C1	SAM	nil			58.	28	16.	14.	28	1.26	0.	0.
8	8	1986	C4	SAM	nil			50.	28	13.4	13.2	28	1.26	0.	0.
8	8	1986	C6	SAM	nil			64.	28	15.9	14.4	28	1.28	0.	0.
8	8	1986	C9	SAM	nil			52.	25	15.3	13.5	25	1.45	0.	0.
8	8	1986	D11	SAM	nil			79.	25	21.6	15.2	25	1.66	0.	0.
8	8	1986	D2	SAM	nil			58.	30	14.3	14.2	30	1.14	0.	0.
8	8	1986	D4	SAM	nil			68.	25	17.3	14.7	25	1.34	0.	0.
8	8	1986	D7	SAM	nil			48.	25	11.6	13.4	25	1.25	0.	0.
8	8	1986	D8	SAM	nil			61.	28	18.5	14.2	28	1.59	0.	0.
10	9	1986	C1	SAM	nil			82.	25	17.8	15.9	25	1.22	0.	0.
10	9	1986	C4	SAM	nil			73.	25	20.2	15.3	25	1.62	0.	0.
10	9	1986	C6	SAM	nil			91.	25	17.3	16.5	25	1.23	0.	0.
10	9	1986	C9	SAM	nil			59.	25	11.6	14.3	25	1.11	0.	0.
10	9	1986	D11	SAM	nil			118.	25	23.9	17.6	25	1.22	0.	0.
10	9	1986	D2	SAM	nil			87.	25	19.1	16.4	25	1.32	0.	0.
10	9	1986	D4	SAM	nil			86.	25	29.1	16.	25	1.73	0.	0.
10	9	1986	D7	SAM	nil			64.	25	16.3	14.8	25	1.32	0.	0.
10	9	1986	D8	SAM	nil			68.	25	23.3	14.8	25	1.64	0.	0.
8	10	1986	C1	SAM	nil			99.	27	18.9	17.1	25	1.15	0.	0.
8	10	1986	C4	SAM	nil			115.	27	15.9	17.8	27	1.14	0.	0.
8	10	1986	C6	SAM	nil			123.	27	19.9	18.2	27	1.12	0.	0.
8	10	1986	C9	SAM	nil			79.	28	17.3	15.93	28	1.46	0.	0.
8	10	1986	D11	SAM	nil			142.	28	24.1	18.9	28	1.11	0.	0.
8	10	1986	D2	SAM	nil			111.	27	23.2	17.6	27	1.15	0.	0.
8	10	1986	D4	SAM	nil			96.	27	28.8	16.7	27	1.66	0.	0.
8	10	1986	D7	SAM	nil			85.	27	18.4	16.2	27	1.33	0.	0.
8	10	1986	D8	SAM	nil			102.	26	26.6	17.	26	1.37	0.	0.
7	11	1986	C1	SAM	nil			137.	27	18.5	19.	27	1.05	0.	1.
7	11	1986	C4	SAM	nil			169.	25	26.5	19.9	25	1.2	0.	1.
7	11	1986	C6	SAM	nil			166.	25	16.3	20.2	25	0.54	0.	0.
7	11	1986	C9	SAM	nil			84.	24	11.8	16.	24	0.9	0.	0.
7	11	1986	D11	SAM	nil			155.	26	22.8	19.5	26	1.33	0.	0.
7	11	1986	D2	SAM	nil			131.	25	22.	19.	25	1.35	0.	0.
7	11	1986	D4	SAM	nil			110.	25	27.6	17.5	25	1.66	0.	0.
7	11	1986	D7	SAM	nil			93.	25	14.4	16.4	25	1.12	0.	0.
7	11	1986	D8	SAM	nil			128.	25	15.9	18.7	25	1.06	0.	0.

Table 5. Fish/Shrimp Stocking, Sampling, and Harvesting. Rwanda, Cycle III, 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
3	12	1986	C1	SAM	nil			141.	25	17.9	19.4	25	0.95	0.	7.
3	12	1986	C4	SAM	nil			197.	25	26.6	21.4	25	0.97	0.	1.
3	12	1986	C6	SAM	nil			171.	25	20.2	20.8	25	1.05	0.	0.
3	12	1986	C9	SAM	nil			91.	25	11.3	16.6	25	0.76	0.1	26.
3	12	1986	D11	SAM	nil			152.	25	29.5	19.9	25	1.29	0.	0.
3	12	1986	D2	SAM	nil			132.	25	21.8	18.9	25	1.22	0.	12.
3	12	1986	D4	SAM	nil			113.	25	24.7	18.	25	1.41	0.	0.
3	12	1986	D7	SAM	nil			94.	25	19.9	16.7	25	1.31	0.	6.
3	12	1986	D8	SAM	nil			124.	25	22.5	18.7	25	1.34	0.	0.
4	12	1986	C1	HAR	nil	77.3	556							1.5	243.
4	12	1986	C4	HAR	nil	100.3	530							0.	2.
4	12	1986	C6	HAR	nil	85.9	538							0.1	9.
4	12	1986	C9	HAR	nil	43.1	537							0.6	230.
4	12	1986	D11	HAR	nil	75.4	557							0.2	28.
4	12	1986	D2	HAR	nil	72.	540							2.4	747.
4	12	1986	D4	HAR	nil	60.1	558							0.	0.
4	12	1986	D7	HAR	nil	50.7	517							0.5	83.
4	12	1986	D8	HAR	nil	61.2	554							0.4	106.

Table 5. Fish/Shrimp Stocking, Sampling, and Harvesting. Rwanda, Cycle III, 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
18	12	1985	C1	STK	nil	15.5	500	39.	50	13.6	12.	50	1.7	0.	0.
18	12	1985	C4	STK	nil	14.8	500	39.	50	9.1	12.2	50	1.2	0.	0.
18	12	1985	C6	STK	nil	14.5	500	47.	50	15.5	12.8	50	1.7	0.	0.
18	12	1985	C9	STK	nil	14.5	500	38.	50	13.3	12.	50	1.9	0.	0.
18	12	1985	D11	STK	nil	14.7	500	42.	50	13.8	12.3	50	1.6	0.	0.
18	12	1985	D2	STK	nil	14.5	500	39.	50	19.1	12.9	50	1.6	0.	0.
18	12	1985	D4	STK	nil	14.5	500	38.	50	12.7	12.1	50	1.5	0.	0.
18	12	1985	D7	STK	nil	14.9	500	36.	50	15.8	11.5	50	1.9	0.	0.
18	12	1985	D8	STK	nil	14.8	500	41.	50	17.7	12.2	50	2.1	0.	0.
17	1	1986	C1	SAM	nil			52.	36	13.7	14.1	36	1.3	0.	0.
17	1	1986	C4	SAM	nil			55.	25	11.4	14.2	25	1.1	0.	0.
17	1	1986	C6	SAM	nil			61.	25	16.4	14.8	25	1.3	0.	0.
17	1	1986	C9	SAM	nil			45.	25	13.	13.6	25	1.4	0.	0.
17	1	1986	D11	SAM	nil			55.	26	13.5	14.2	26	1.33	0.	0.
17	1	1986	D2	SAM	nil			56.	25	16.8	14.3	25	1.65	0.	0.
17	1	1986	D4	SAM	nil			54.	25	12.8	14.	25	1.23	0.	0.
17	1	1986	D7	SAM	nil			46.	25	12.5	13.4	25	1.54	0.	0.
17	1	1986	D8	SAM	nil			49.	25	11.9	13.7	27	1.27	0.	0.
21	2	1986	C1	SAM	nil			63.	27	11.9	15.3	27	1.33	0.	6.
21	2	1986	C4	SAM	nil			58.	25	9.	15.	25	1.	0.	11.
21	2	1986	C6	SAM	nil			64.	25	12.1	15.6	25	1.08	0.	7.
21	2	1986	C9	SAM	nil			47.	30	10.7	13.8	30	1.46	0.	0.
21	2	1986	D11	SAM	nil										
21	2	1986	D2	SAM	nil			64.	25	12.6	15.5	25	1.26	0.	29.
21	2	1986	D4	SAM	nil			54.	25	11.4	14.4	25	1.39	0.	14.
21	2	1986	D7	SAM	nil			58.	25	13.6	14.9	25	1.3	0.	0.
21	2	1986	D8	SAM	nil			61.	25	15.7	14.8	25	1.5	0.	0.
21	3	1986	C1	SAM	nil			67.	25	8.1	15.6	25	0.82	0.5	169.
21	3	1986	C4	SAM	nil			61.	25	12.1	15.	25	1.26	0.2	46.
21	3	1986	C6	SAM	nil			77.	25	11.7	16.2	25	1.02	0.4	
21	3	1986	C9	SAM	nil			50.	25	8.4	14.1	25	1.08	0.	0.
21	3	1986	D11	SAM	nil			70.	25	10.4	15.6	25	1.04	0.5	175.
21	3	1986	D2	SAM	nil			45.	25	13.1	15.	25	1.02	0.8	179.
21	3	1986	D4	SAM	nil			59.	25	15.9	14.4	25	1.52	0.	29.
21	3	1986	D7	SAM	nil			54.	25	8.6	14.2	25	0.78	0.8	
21	3	1986	D8	SAM	nil			60.	25	9.7	14.6	25	0.91	1.4	330.
16	4	1986	C1	SAM	nil			69.	25	10.8	15.4	25	1.08	1.1	168.
16	4	1986	C4	SAM	nil			66.	25	13.9	15.	25	1.12	0.5	194.
16	4	1986	C6	SAM	nil			81.	25	11.3	16.4	25	0.71	1.4	324.
16	4	1986	C9	SAM	nil			47.	25	7.8	13.7	25	0.94	0.	26.
16	4	1986	D11	SAM	nil			80.	25	12.5	16.3	25	0.99	1.4	250.
16	4	1986	D2	SAM	nil			69.	26	11.6	15.7	26	0.97	2.	412.
16	4	1986	D4	SAM	nil			63.	25	9.9	15.	25	0.87	0.4	123.
16	4	1986	D7	SAM	nil			60.	25	8.9	15.	25	0.82	0.8	183.
16	4	1986	D8	SAM	nil			66.	25	10.7	15.4	25	0.96	0.6	89.

Table 5. Fish/Shrimp Stocking, Sampling, and Harvesting. Rwanda, Cycle III, 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
14	5	1986	C1	SAM	nil			75.	25	6.8	15.6	25	0.65	2.1	480.
14	5	1986	C4	SAM	nil			107.	25	13.4	17.6	25	0.76	6.8	1210.
14	5	1986	C6	SAM	nil			92.	25	7.9	17.6	25	0.58	2.1	652.
14	5	1986	C9	SAM	nil			47.	25	7.	13.8	25	1.04	0.5	94.
14	5	1986	D11	SAM	nil			80.	25	10.5	16.8	25	1.09	1.4	406.
14	5	1986	D2	SAM	nil			78.	25	10.	16.6	25	0.77	1.3	437.
14	5	1986	D4	SAM	nil			65.	25	8.2	15.3	25	0.74	0.5	130.
14	5	1986	D7	SAM	nil			59.	25	11.8	14.9	25	1.	1.7	422.
14	5	1986	D8	SAM	nil			67.	25	8.9	15.8	25	0.78	1.6	380.
15	5	1986	C1	HAR	nil	32.1	513	70.	25	6.8	15.6	25	0.65	1.2	613.
15	5	1986	C4	HAR	nil	43.7	486	100.	25	13.4	17.6	25	0.76	1.9	726.
15	5	1986	C6	HAR	nil	34.4	469	86.	25	7.9	17.6	25	0.58	2.	973.
15	5	1986	C9	HAR	nil	21.4	507	46.	25	7.	13.8	25	1.04	0.2	268.
15	5	1986	D11	HAR	nil	30.6	464	77.	25	10.5	16.8	25	1.09	0.6	266.
15	5	1986	D2	HAR	nil	28.4	392	76.	25	10.	16.6	25	0.77	0.9	397.
15	5	1986	D4	HAR	nil	22.7	428	61.	25	8.2	15.3	25	0.74	0.4	190.
15	5	1986	D7	HAR	nil	21.9	459	54.	25	11.8	14.9	25	1.	2.1	540.
15	5	1986	D8	HAR	nil	27.5	489	64.	25	8.9	15.8	25	0.78	1.1	427.

Table 6. Plankton and Benthos. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	NET PRODUCTN	GROSS PRODUCTN	BLUE-GREEN	GREEN	DIATOM	OTHER PHYTO.	ROTIFE	CLADOC	COPEPO	OTHER ZOOPL.
8	8	1986	C1			3	2	2	2	2	1	2	2
8	8	1986	C4			2	1	2	2	2	2	2	1
8	8	1986	C5			2	2	2	2	2	2	2	2
8	8	1986	C9			2	2	2	2	2	1	1	2
8	8	1986	D11			3	1	2	2	2	1	1	2
8	8	1986	D2			3	2	2	2	2	1	1	2
8	8	1986	D4			2	2	2	2	2	1	1	2
8	8	1986	D7			3	2	2	1	2	1	1	2
8	8	1986	D8			2	1	2	1	1	1	1	1
12	8	1986	C1	2059.									
12	8	1986	C4	1680.									
12	8	1986	C6	1765.									
12	8	1986	C9	968.									
12	8	1986	D11	986.									
12	8	1986	D2	1332.									
12	8	1986	D4	1025.									
12	8	1986	D7	968.									
12	8	1986	D8	1675.									
20	8	1986	C1			2	2	2	2	2	1	2	2
20	8	1986	C4			2	2	2	2	2	1	2	2
20	8	1986	C6			2	2	1	2	2	2	2	2
20	8	1986	C9			2	2	2	2	2	1	2	2
20	8	1986	D11			3	2	2	2	2	1	1	2
20	8	1986	D2			2	2	2	2	2	1	1	1
20	8	1986	D4			2	2	2	1	2	1	1	2
20	8	1986	D7			3	2	2	2	2	2	1	2
20	8	1986	D8			2	2	2	2	1	1	1	1
9	9	1986	C1			3	2	2	2	2	2	2	2
9	9	1986	C4			3	2	1	2	2	2	2	2
9	9	1986	C6			3	2	3	2	2	1	1	2
9	9	1986	C9			3	2	2	2	2	2	1	2
9	9	1986	D11			3	2	3	2	2	1	1	1
9	9	1986	D2			3	2	3	2	2	2	1	2
9	9	1986	D4			3	2	3	2	2	2	1	2
9	9	1986	D7			3	2	2	2	2	1	1	1
9	9	1986	D8			3	2	2	1	1	2	1	1
16	9	1986	C1	920.									
16	9	1986	C4	499.									
16	9	1986	C6	1396.									
16	9	1986	C9	697.									
16	9	1986	D11	804.									
16	9	1986	D2	811.									
16	9	1986	D4	1779.									
16	9	1986	D7	913.									
16	9	1986	D8	239.									

Table 6. Plankton and Benthos. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	NET PRODUCTN	GROSS PRODUCTN	BLUE-GREEN	GREEN	DIATOM	OTHER PHYTO.	ROTIFE	CLADOC	COPEPO	OTHER ZOOPL.
24	9	1986	C1			3	2	2	2	2	1	1	2
24	9	1986	C4			3	2	2	2	2	1	2	2
24	9	1986	C6			3	2	2	2	2	1	2	1
24	9	1986	C9			2	2	2	2	2	1	1	1
24	9	1986	D11			3	2	2	2	1	1	1	1
24	9	1986	D2			3	2	2	2	2	1	1	2
24	9	1986	D4			3	2	3	2	2	1	1	2
24	9	1986	D7			3	2	2	2	2	2	1	1
24	9	1986	D8			3	2	2	2	2	1	1	1
7	10	1986	C1			3	2	2	2	3	2	2	2
7	10	1986	C4			3	2	1	2	3	2	2	2
7	10	1986	C6			3	2	2	2	2	2	2	2
7	10	1986	C9			3	2	2	2	2	2	2	2
7	10	1986	D11			3	3	2	2	2	1	1	2
7	10	1986	D2			3	2	2	2	2	1	1	2
7	10	1986	D4			3	3	2	2	2	1	1	2
7	10	1986	D7			3	2	2	2	2	2	1	1
7	10	1986	D8			3	2	3	2	2	2	1	1
16	10	1986	C1	603.									
16	10	1986	C4	163.									
16	10	1986	C6	1415.									
16	10	1986	C9	0.									
16	10	1986	D11	902.									
16	10	1986	D2	692.									
16	10	1986	D4	1051.									
16	10	1986	D7	1120.									
16	10	1986	D8	1010.									
23	10	1986	C1			2	2	2	2	3	3	2	2
23	10	1986	C4			3	2	1	2	3	2	2	2
23	10	1986	C6			3	2	2	3	3	3	2	2
23	10	1986	C9			3	2	2	2	2	2	2	2
23	10	1986	D11			3	2	1	2	3	2	1	2
23	10	1986	D2			3	3	2	2	2	2	2	2
23	10	1986	D4			3	3	3	2	3	2	1	2
23	10	1986	D7			3	2	2	2	2	2	1	2
23	10	1986	D8			3	3	2	2	2	3	2	1
6	11	1986	C1			3	2	2	2	2	2	2	2
6	11	1986	C4			3	2	2	2	3	2	2	2
6	11	1986	C6			3	2	2	2	3	2	2	2
6	11	1986	C9			3	2	2	2	2	2	2	2
6	11	1986	D11			3	2	1	2	2	2	1	2
6	11	1986	D2			3	2	2	2	2	1	2	2
6	11	1986	D4			3	2	2	2	2	2	1	2
6	11	1986	D7			3	2	2	2	2	1	1	2
6	11	1986	D8			3	3	3	2	2	1	1	1
12	11	1986	C1	352.									

Table 6. Plankton and Benthos. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	NET PRODUCTN	GROSS PRODUCTN	BLUE-GREEN	GREEN	DIATOM	OTHER PHYTO.	ROTIFE	CLADOC	COPEPO	OTHER ZOOPL.
12	11	1986	C4	567.									
12	11	1986	C6	1079.									
12	11	1986	C9	165.									
12	11	1986	D11	126.									
12	11	1986	D2	308.									
12	11	1986	D4	2203.									
12	11	1986	D7	1153.									
12	11	1986	D8	598.									
25	11	1986	C1			3	3	3	2	2	1	2	2
25	11	1986	C4			3	2	2	3	3	2	2	2
25	11	1986	C6			3	2	1	2	2	2	2	2
25	11	1986	C9			3	2	2	2	2	1	2	2
25	11	1986	D2			3	3	3	2	2	2	2	2
25	11	1986	D4			3	3	3	2	2	1	1	2
25	11	1986	D7			3	2	2	2	2	1	1	2
25	11	1986	D8			3	3	3	2	2	1	1	1

Table 6. Plankton and Benthos. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	NET PRODUCTN
20	1	1986	C1	269.
20	1	1986	C4	651.
20	1	1986	C6	1084.
20	1	1986	C9	636.
20	1	1986	D11	818.
20	1	1986	D2	616.
20	1	1986	D4	511.
20	1	1986	D7	37.
20	1	1986	D8	0.
24	2	1986	C1	753.
24	2	1986	C4	759.
24	2	1986	C6	908.
24	2	1986	C9	636.
24	2	1986	D11	387.
24	2	1986	D2	878.
24	2	1986	D4	300.
24	2	1986	D7	529.
24	2	1986	D8	921.
17	3	1986	C1	2056.
17	3	1986	C4	2063.
17	3	1986	C6	868.
17	3	1986	C9	681.
17	3	1986	D11	1653.
17	3	1986	D2	1184.
17	3	1986	D4	1053.
17	3	1986	D7	1250.
17	3	1986	D8	1053.
15	4	1986	C1	807.
15	4	1986	C4	1054.
15	4	1986	C6	929.
15	4	1986	C9	797.
15	4	1986	D11	1520.
15	4	1986	D2	1159.
15	4	1986	D4	641.
15	4	1986	D7	892.
15	4	1986	D8	730.
13	5	1986	C1	1290.
13	5	1986	C4	2417.
13	5	1986	C6	1632.
13	5	1986	C9	711.
13	5	1986	D11	1372.
13	5	1986	D2	1768.
13	5	1986	D4	1102.
13	5	1986	D7	923.
13	5	1986	D8	950.

Table 7. Water Quality Characteristics. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	ALKALIN	HARDNESS	PH	NH3-N	NO2-N	NO3-N	NO2&3-N	TOTAL-P	ORTHO-P
4	7	1986	C1	20.	77.	6.9	0.16		0.12		0.05	0.
4	7	1986	C4	31.	103.	8.3	0.03		0.12		0.08	0.
4	7	1986	C6	29.	83.	7.2	0.		0.09		0.09	0.
4	7	1986	C9	27.	90.	7.5	0.03		0.29		0.03	0.
4	7	1986	D11	21.	64.	7.1	0.08		0.21		0.1	0.01
4	7	1986	D2	22.	83.	7.4	0.13		0.09		0.05	0.
4	7	1986	D4	23.	77.	7.2	0.14		0.09		0.03	0.
4	7	1986	D7	21.	51.	7.1	0.13		0.09		0.07	0.
4	7	1986	D8	22.	64.	7.1	0.		0.11		0.06	0.
2	12	1986	C1	42.	77.	6.8	0.03		0.15		0.23	0.01
2	12	1986	C4	42.	83.	7.	0.08		0.2		0.5	0.05
2	12	1986	C6	54.	103.	7.2	0.016		0.13		0.37	0.04
2	12	1986	C9	43.	83.	7.1	0.13		0.28		0.29	0.05
2	12	1986	D11	35.	77.	8.5	0.03		0.23		0.7	0.1
2	12	1986	D2	44.	77.	6.9	0.07		0.19		0.52	0.05
2	12	1986	D4	49.	83.	7.	0.03		0.09		0.17	0.01
2	12	1986	D7	43.	77.	7.	0.03		0.09		0.16	0.01
2	12	1986	D8	40.	83.	6.8	0.05		0.14		0.2	0.03

Table 7. Water Quality Characteristics. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	ALKALIN	HARDNESS	PH	NH3-N	NO2-N	NO3-N	NO2&3-N	TOTAL-P	ORTHO-P
24	12	1985	C1	42.	50.	8.5	0.08		0.12		0.12	0.02
24	12	1985	C4	38.	45.	8.9	0.26		0.07		0.18	0.02
24	12	1985	C6	40.	50.	8.8	0.21		0.17		0.21	0.02
24	12	1985	C9	51.	51.	9.2	0.21		0.07		0.12	0.01
24	12	1985	D11	69.	60.	8.4	0.11		0.12		0.17	0.02
24	12	1985	D2	50.	53.	8.8	0.28		0.06		0.15	0.01
24	12	1985	D4	60.	66.	7.7	0.16		0.07		0.1	0.02
24	12	1985	D7	45.	51.	8.7	0.09		0.06		0.08	0.01
24	12	1985	D8	58.	60.	8.3	0.11		0.06		0.11	0.02
13	5	1986	C1	30.	141.	7.5	0.19		0.08		0.2	0.02
13	5	1986	C4	58.	141.	7.6	0.06		0.1		0.38	0.04
13	5	1986	C6	57.	109.	7.4	0.14		0.05		0.3	0.02
13	5	1986	C9	42.	135.	7.5	0.17		0.03		0.14	0.01
13	5	1986	D11	45.	96.	7.2	0.13		0.05		0.37	0.02
13	5	1986	D2	41.	141.	7.6	0.12		0.07		0.38	0.04
13	5	1986	D4	54.	128.	7.1	0.01		0.05		0.1	0.01
13	5	1986	D7	38.	122.	7.1	0.		0.03		0.1	0.01
13	5	1986	D8	55.	128.	7.4	0.14		0.04		0.2	0.02

Table 8. Pond Soil Characteristics. Rwanda, Cycle III, 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
9	6	1986	C1	55.7	8.9	35.4	1.6723	4.3	12.6	3.	1.5	39.102	0.1	0.43			30.		127.71	12000.							2.6
9	6	1986	C4	41.	8.6	50.4	1.7068	4.7	3.85	2.6	1.8	39.102	0.1	0.27			18.		51.266	7000.							1.8
9	6	1986	C6	60.8	15.1	24.1	0.931	4.7	5.95	3.	2.2	43.012	0.1	0.37			29.		118.72	3000.							3.
9	6	1986	C9	40.7	8.6	50.7	0.2414	4.5	2.45	1.7	0.9	27.371	0.	0.17			12.		35.976	3100.							2.1
9	6	1986	D11	54.9	18.5	26.6	1.7068	4.1	7.35	2.6	2.3	31.282	0.1	0.49			30.		226.65	3500.							2.5
9	6	1986	D2	40.4	11.5	48.1	0.862	4.5	5.25	1.9	1.	31.282	0.1	0.23			18.		109.73	3100.							1.6
9	6	1986	D4	53.2	10.4	36.4	0.5689	4.4	2.45	2.8	1.7	35.192	0.1	0.41			30.		165.23	5000.							2.6
9	6	1986	D7	49.4	11.3	39.3	0.862	4.3	5.95	1.2	1.	23.461	0.	0.21			19.		193.37	2000.							1.8
9	6	1986	D8	46.5	10.	43.5	0.9137	4.	2.45	1.5	1.	19.551	0.1	0.29			23.		229.35	3500.							2.
5	5	1987	C1	47.2	21.9	31.1	1.8964	4.4	5.	2.7	1.5	31.282	0.05	0.45			24.		123.22	16000.							2.4
5	5	1987	C4	53.5	8.5	58.	1.724	4.	2.	2.5	1.5	39.102	0.04	0.27			19.		31.479	13500.							1.1
5	5	1987	C6	56.3	9.5	34.2	0.862	4.4	2.	5.2	0.85	66.473	0.16	0.53			31.		116.92	4500.							1.8
5	5	1987	C9	35.1	7.3	57.6	0.5172	4.	9.	1.2	0.7	27.371	0.03	0.13			31.		105.23	3100.							1.2
5	5	1987	D11	54.4	17.4	28.2	2.586	4.3	7.	4.7	2.6	50.833	0.012	0.55			34.		98.934	4500.							3.1
5	5	1987	D2	38.9	9.3	51.8	2.0688	4.5	14.	1.8	1.	27.371	0.07	0.23			17.		107.93	4100.							1.7
5	5	1987	D4	46.7	10.9	40.4	5.172	4.1	4.	3.5	1.6	31.282	0.04	0.41			11.		60.26	7000.							2.4
5	5	1987	D7	35.8	12.9	51.3	2.0688	4.4	6.	1.7	1.2	31.282	0.04	0.41			22.		145.7	4400.							2.
5	5	1987	D8	39.7	13.7	46.6	1.5516	4.	5.	1.9	1.1	27.371	0.05	0.29			18.		195.17	6500.							0.6

Table 8. Pond Soil Characteristics. Rwanda, Cycle III, Wet 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
21	11	1985	C1	48.8	9.9	41.3	3.3618	4.5	2.45	2.3	0.69	39.102	0.06	0.05			36.		278.81	1200.							1.2
21	11	1985	C4	40.8	12.	47.2	0.9827	4.6	0.35	1.95	0.71	125.13	0.13	0.03			24.8		105.23	11000.							0.9
21	11	1985	C6	59.7	15.	25.3	4.8617	4.1	1.05	2.8	0.85	39.102	0.08	0.07			32.		258.13	3600.							1.5
21	11	1985	C9	34.	14.	52.	0.1034	4.6	1.05	0.8	0.33	19.551	0.03	0.01			15.2		141.21	2100.							0.5
21	11	1985	D11	40.6	20.6	38.8	6.2581	4.	2.45	2.45	0.81	50.833	0.12	0.07			41.6		431.71	3100.							0.4
21	11	1985	D2	41.1	11.6	47.3	1.655	4.4	2.45	1.2	0.43	23.461	0.04	0.03			21.6		116.92	3100.							0.5
21	11	1985	D4	43.6	16.6	39.8	6.6202	4.1	0.35	1.85	0.59	19.551	0.08	0.09			22.4		215.86	5500.							1.4
21	11	1985	D7	41.6	13.9	44.5	1.9654	4.3	1.05	0.95	0.33	23.461	0.05	0.03			20.		274.32	3200.							1.3
21	11	1985	D8	39.1	15.2	47.5	1.4999	3.9	0.35	1.25	0.47	27.371	0.08	0.03			25.6		440.71	5000.							0.9
9	6	1986	C1	55.7	8.9	35.4	1.6723	4.3	12.6	3.	1.5	39.102	0.1	0.43			30.		127.71	12000.							2.6
9	6	1986	C4	41.	8.6	50.4	1.7068	4.7	3.85	2.6	1.8	39.102	0.1	0.27			18.		51.266	7000.							1.8
9	6	1986	C6	60.8	15.1	24.1	0.931	4.7	5.95	3.	2.2	43.012	0.1	0.37			29.		118.72	3000.							3.
9	6	1986	C9	40.7	8.6	50.7	0.2414	4.5	2.45	1.7	0.9	27.371	0.	0.17			12.		35.976	3100.							2.1
9	6	1986	D11	54.9	18.5	26.6	1.7068	4.1	7.35	2.6	2.3	31.282	0.1	0.49			30.		226.65	3500.							2.5
9	6	1986	D2	40.4	11.5	48.1	0.862	4.5	5.25	1.9	1.	31.282	0.1	0.23			18.		109.73	3100.							1.6
9	6	1986	D4	53.2	10.4	36.4	0.5689	4.4	2.45	2.8	1.7	35.192	0.1	0.41			30.		105.23	5000.							2.6
9	6	1986	D7	49.4	11.3	39.3	0.862	4.3	5.95	1.2	1.	23.461	0.	0.21			19.		193.37	2000.							1.8
9	6	1986	D8	46.5	10.	43.5	0.9137	4.	2.45	1.5	1.	19.551	0.1	0.29			23.		229.35	3500.							2.

1/13.

Table 9. Pond Morphometrics. Rwanda, Cycle III

DAY	MONTH	YEAR	POND#	AREA 10 CM	VOLUME 10 CM	AREA 20 CM	VOLUME 20 CM	AREA 30 CM	VOLUME 30 CM	AREA 40 CM	VOLUME 40 CM	AREA 50 CM	VOLUME 50 CM	AREA 60 CM	VOLUME 60 CM	AREA 70 CM	VOLUME 70 CM	AREA 80 CM	VOLUME 80 CM	AREA 90 CM	VOLUME 90 CM	AREA 100 CM	VOLUME 100 CM	AREA 110 CM	VOLUME 110 CM	AREA 120 CM	VOLUME 120 CM	AREA 130 C
27	12	1985	C1	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
27	12	1985	C4	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
27	12	1985	C6	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
27	12	1985	C9	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
27	12	1985	D11	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
27	12	1985	D2	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
27	12	1985	D4	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
27	12	1985	D7	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
27	12	1985	D8	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	B1	22.	1.	83.	6.	86.	14.	197.	28.	462.	61.	512.	110.	534.	162.	556.	217.	578.	274.	600.	333.	623.	394.	646.	457.	671
26	2	1986	C2	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	C3	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	C5	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	C7	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	C8	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	D1	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	D10	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	D3	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	D5	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	D6	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698
26	2	1986	D9	24.	1.	87.	7.	90.	16.	177.	29.	332.	54.	486.	95.	557.	147.	579.	204.	601.	263.	623.	324.	645.	387.	667.	453.	698

Table 10. Analysis of Nutrients and Lime. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	NUTRIENT TYPE	DRY MATTER %	NUTRIENT N	NUTRIENT P	NUTRIENT K	NUTRIENT ORG-C	NUTRIENT S	LIME NEUT %
21	3	1986	CHICK	55.	1.1	0.2	0.3	15.5		

Table 10. Analysis of Nutrients and Lime. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	NUTRIENT TYPE	DRY MATTER %	NUTRIENT N	NUTRIENT P	NUTRIENT K	NUTRIENT ORG-C	NUTRIENT S	LIME NEUT %
13	11	1986	CHICK	52.8	0.3			10.6		

Table 11. Nutrient and Lime Inputs. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
16	7	1986	C1			CHICK	30.
16	7	1986	C4			CHICK	60.
16	7	1986	C6			CHICK	60.
16	7	1986	C9			CHICK	15.
16	7	1986	D11			CHICK	60.
16	7	1986	D2			CHICK	30.
16	7	1986	D4			CHICK	15.
16	7	1986	D7			CHICK	15.
16	7	1986	D8			CHICK	30.
23	7	1986	C1			CHICK	30.
23	7	1986	C4			CHICK	60.
23	7	1986	C6			CHICK	60.
23	7	1986	C9			CHICK	15.
23	7	1986	D11			CHICK	60.
23	7	1986	D2			CHICK	30.
23	7	1986	D4			CHICK	15.
23	7	1986	D7			CHICK	15.
23	7	1986	D3			CHICK	30.
30	7	1986	C1			CHICK	30.
30	7	1986	C4			CHICK	60.
30	7	1986	C6			CHICK	60.
30	7	1986	C9			CHICK	15.
30	7	1986	D11			CHICK	60.
30	7	1986	D2			CHICK	30.
30	7	1986	D4			CHICK	15.
30	7	1986	D7			CHICK	15.
30	7	1986	D3			CHICK	30.
6	8	1986	C1			CHICK	30.
6	8	1986	C4			CHICK	60.
6	8	1986	C6			CHICK	60.
6	8	1986	C9			CHICK	15.
6	8	1986	D11			CHICK	60.
6	8	1986	D2			CHICK	30.
6	8	1986	D4			CHICK	15.
6	8	1986	D7			CHICK	15.
6	8	1986	D8			CHICK	30.
13	8	1986	C1			CHICK	30.
13	8	1986	C4			CHICK	60.
13	8	1986	C6			CHICK	60.
13	8	1986	C9			CHICK	15.
13	8	1986	D11			CHICK	60.
13	8	1986	D2			CHICK	30.
13	8	1986	D4			CHICK	15.
13	8	1986	D7			CHICK	15.
13	8	1986	D8			CHICK	30.
27	8	1986	C1			CHICK	30.
27	8	1986	C4			CHICK	60.
27	8	1986	C6			CHICK	60.
27	8	1986	C9			CHICK	15.
27	8	1986	D11			CHICK	60.
27	8	1986	D2			CHICK	30.
27	8	1986	D4			CHICK	15.
27	8	1986	D7			CHICK	15.
27	8	1986	D8			CHICK	30.
3	9	1986	C1			CHICK	30.
3	9	1986	C4			CHICK	60.
3	9	1986	C6			CHICK	60.
3	9	1986	C9			CHICK	15.
3	9	1986	D11			CHICK	60.
3	9	1986	D2			CHICK	30.
3	9	1986	D4			CHICK	15.
3	9	1986	D7			CHICK	15.
3	9	1986	D8			CHICK	30.
10	9	1986	C1			CHICK	30.
10	9	1986	C4			CHICK	60.
10	9	1986	C6			CHICK	60.
10	9	1986	C9			CHICK	15.
10	9	1986	D11			CHICK	60.
10	9	1986	D2			CHICK	30.
10	9	1986	D4			CHICK	15.
10	9	1986	D7			CHICK	15.

Table 11. Nutrient and Lime Inputs. Rwanda, Cycle III, Dry Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
10	9	1986	D8			CHICK	30.
17	9	1986	C1			CHICK	30.
17	9	1986	C4			CHICK	60.
17	9	1986	C6			CHICK	60.
17	9	1986	C9			CHICK	15.
17	9	1986	D11			CHICK	60.
17	9	1986	D2			CHICK	30.
17	9	1986	D4			CHICK	15.
17	9	1986	D7			CHICK	15.
17	9	1986	D8			CHICK	30.
1	10	1986	C1			CHICK	30.
1	10	1986	C4			CHICK	60.
1	10	1986	C6			CHICK	60.
1	10	1986	C9			CHICK	15.
1	10	1986	D11			CHICK	60.
1	10	1986	D2			CHICK	30.
1	10	1986	D4			CHICK	15.
1	10	1986	D7			CHICK	15.
1	10	1986	D8			CHICK	30.
8	10	1986	C1			CHICK	30.
8	10	1986	C4			CHICK	60.
8	10	1986	C6			CHICK	60.
8	10	1986	C9			CHICK	15.
8	10	1986	D11			CHICK	60.
8	10	1986	D2			CHICK	30.
8	10	1986	D4			CHICK	15.
8	10	1986	D7			CHICK	15.
8	10	1986	D8			CHICK	30.
15	10	1986	C1			CHICK	30.
15	10	1986	C4			CHICK	60.
15	10	1986	C6			CHICK	60.
15	10	1986	C9			CHICK	15.
15	10	1986	D11			CHICK	60.
15	10	1986	D2			CHICK	30.
15	10	1986	D4			CHICK	15.
15	10	1986	D7			CHICK	15.
15	10	1986	D8			CHICK	30.
22	10	1986	C1			CHICK	30.
22	10	1986	C4			CHICK	60.
22	10	1986	C6			CHICK	60.
22	10	1986	C9			CHICK	15.
22	10	1986	D11			CHICK	60.
22	10	1986	D2			CHICK	30.
22	10	1986	D4			CHICK	15.
22	10	1986	D7			CHICK	15.
22	10	1986	D8			CHICK	30.
29	10	1986	C1			CHICK	30.
29	10	1986	C4			CHICK	60.
29	10	1986	C6			CHICK	60.
29	10	1986	C9			CHICK	15.
29	10	1986	D11			CHICK	60.
29	10	1986	D2			CHICK	30.
29	10	1986	D4			CHICK	15.
29	10	1986	D7			CHICK	15.
29	10	1986	D8			CHICK	30.
4	11	1986	C1			CHICK	30.
4	11	1986	C4			CHICK	60.
4	11	1986	C6			CHICK	60.
4	11	1986	C9			CHICK	15.
4	11	1986	D11			CHICK	60.
4	11	1986	D2			CHICK	30.
4	11	1986	D4			CHICK	15.
4	11	1986	D7			CHICK	15.
4	11	1986	D8			CHICK	30.
19	11	1986	C1			CHICK	30.
19	11	1986	C4			CHICK	60.
19	11	1986	C6			CHICK	60.
19	11	1986	C9			CHICK	15.
19	11	1986	D11			CHICK	60.
19	11	1986	D2			CHICK	30.
19	11	1986	D4			CHICK	15.
19	11	1986	D7			CHICK	15.
19	11	1986	D8			CHICK	30.

Table 11. Nutrient and Lime Inputs. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
20	12	1985	C1			CHICK	250.
20	12	1985	C4			CHICK	500.
20	12	1985	C6			CHICK	500.
20	12	1985	C9			CHICK	125.
20	12	1985	D11			CHICK	500.
20	12	1985	D2			CHICK	250.
20	12	1985	D4			CHICK	125.
20	12	1985	D7			CHICK	125.
20	12	1985	D8			CHICK	250.
27	12	1985	C1			CHICK	250.
27	12	1985	C4			CHICK	500.
27	12	1985	C6			CHICK	500.
27	12	1985	C9			CHICK	125.
27	12	1985	D11			CHICK	500.
27	12	1985	D2			CHICK	250.
27	12	1985	D4			CHICK	125.
27	12	1985	D7			CHICK	125.
27	12	1985	D8			CHICK	250.
3	1	1986	C1			CHICK	250.
3	1	1986	C4			CHICK	500.
3	1	1986	C6			CHICK	500.
3	1	1986	C9			CHICK	125.
3	1	1986	D11			CHICK	500.
3	1	1986	D2			CHICK	250.
3	1	1986	D4			CHICK	125.
3	1	1986	D7			CHICK	125.
3	1	1986	D8			CHICK	250.
10	1	1986	C1			CHICK	250.
10	1	1986	C4			CHICK	500.
10	1	1986	C6			CHICK	500.
10	1	1986	C9			CHICK	125.
10	1	1986	D11			CHICK	500.
10	1	1986	D2			CHICK	250.
10	1	1986	D4			CHICK	125.
10	1	1986	D7			CHICK	125.
10	1	1986	D8			CHICK	250.
17	1	1986	C1			CHICK	250.
17	1	1986	C4			CHICK	500.
17	1	1986	C6			CHICK	500.
17	1	1986	C9			CHICK	125.
17	1	1986	D11			CHICK	500.
17	1	1986	D2			CHICK	250.
17	1	1986	D4			CHICK	125.
17	1	1986	D7			CHICK	125.
17	1	1986	D8			CHICK	250.
24	1	1986	C1			CHICK	250.
24	1	1986	C4			CHICK	500.
24	1	1986	C6			CHICK	500.
24	1	1986	C9			CHICK	125.
24	1	1986	D11			CHICK	500.
24	1	1986	D2			CHICK	250.
24	1	1986	D4			CHICK	125.
24	1	1986	D7			CHICK	125.
24	1	1986	D8			CHICK	250.
31	1	1986	C1			CHICK	250.
31	1	1986	C4			CHICK	500.
31	1	1986	C6			CHICK	500.
31	1	1986	C9			CHICK	125.
31	1	1986	D11			CHICK	500.
31	1	1986	D2			CHICK	250.
31	1	1986	D4			CHICK	125.
31	1	1986	D7			CHICK	125.
31	1	1986	D8			CHICK	250.
6	2	1986	C1			CHICK	250.
6	2	1986	C4			CHICK	500.
6	2	1986	C6			CHICK	500.
6	2	1986	C9			CHICK	125.
6	2	1986	D11			CHICK	500.
6	2	1986	D2			CHICK	250.
6	2	1986	D4			CHICK	125.
6	2	1986	D7			CHICK	125.
6	2	1986	D8			CHICK	250.
13	2	1986	C1			CHICK	250.
13	2	1986	C4			CHICK	500.
13	2	1986	C6			CHICK	500.
13	2	1986	C9			CHICK	125.
13	2	1986	D11			CHICK	500.
13	2	1986	D2			CHICK	250.
13	2	1986	D4			CHICK	125.
13	2	1986	D7			CHICK	125.
13	2	1986	D8			CHICK	250.
20	2	1986	C1			CHICK	250.
20	2	1986	C4			CHICK	500.
20	2	1986	C6			CHICK	500.
20	2	1986	C9			CHICK	125.
20	2	1986	D11			CHICK	500.
20	2	1986	D2			CHICK	250.
20	2	1986	D4			CHICK	125.
20	2	1986	D7			CHICK	125.
20	2	1986	D8			CHICK	250.
27	2	1986	C1			CHICK	250.
27	2	1986	C4			CHICK	500.
27	2	1986	C6			CHICK	500.
27	2	1986	C9			CHICK	125.
27	2	1986	D11			CHICK	500.
27	2	1986	D2			CHICK	250.
27	2	1986	D4			CHICK	125.
27	2	1986	D7			CHICK	125.
27	2	1986	D8			CHICK	250.
6	3	1986	C1			CHICK	250.
6	3	1986	C4			CHICK	500.
6	3	1986	C6			CHICK	500.
6	3	1986	C9			CHICK	125.
6	3	1986	D11			CHICK	500.
6	3	1986	D2			CHICK	250.
6	3	1986	D4			CHICK	125.
6	3	1986	D7			CHICK	125.
6	3	1986	D8			CHICK	250.
13	3	1986	C1			CHICK	250.
13	3	1986	C4			CHICK	500.
13	3	1986	C6			CHICK	500.
13	3	1986	C9			CHICK	125.
13	3	1986	D11			CHICK	500.
13	3	1986	D2			CHICK	250.
13	3	1986	D4			CHICK	125.
13	3	1986	D7			CHICK	125.
13	3	1986	D8			CHICK	250.
20	3	1986	C1			CHICK	250.
20	3	1986	C4			CHICK	500.
20	3	1986	C6			CHICK	500.
20	3	1986	C9			CHICK	125.
20	3	1986	D11			CHICK	500.
20	3	1986	D2			CHICK	250.
20	3	1986	D4			CHICK	125.
20	3	1986	D7			CHICK	125.
20	3	1986	D8			CHICK	250.
27	3	1986	C1			CHICK	250.
27	3	1986	C4			CHICK	500.
27	3	1986	C6			CHICK	500.
27	3	1986	C9			CHICK	125.
27	3	1986	D11			CHICK	500.
27	3	1986	D2			CHICK	250.
27	3	1986	D4			CHICK	125.
27	3	1986	D7			CHICK	125.
27	3	1986	D8			CHICK	250.
3	4	1986	C1			CHICK	250.
3	4	1986	C4			CHICK	500.
3	4	1986	C6			CHICK	500.
3	4	1986	C9			CHICK	125.
3	4	1986	D11			CHICK	500.
3	4	1986	D2			CHICK	250.
3	4	1986	D4			CHICK	125.
3	4	1986	D7			CHICK	125.

Table 11. Nutrient and Lime Inputs. Rwanda, Cycle III, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
3	4	1986	D8			CHICK	250.
10	4	1986	C1			CHICK	250.
10	4	1986	C4			CHICK	500.
10	4	1986	C6			CHICK	500.
10	4	1986	C9			CHICK	125.
10	4	1986	D11			CHICK	500.
10	4	1986	D2			CHICK	250.
10	4	1986	D4			CHICK	125.
10	4	1986	D7			CHICK	125.
10	4	1986	D8			CHICK	250.
16	4	1986	C1			CHICK	250.
16	4	1986	C4			CHICK	500.
16	4	1986	C6			CHICK	500.
16	4	1986	C9			CHICK	125.
16	4	1986	D11			CHICK	500.
16	4	1986	D2			CHICK	250.
16	4	1986	D4			CHICK	125.
16	4	1986	D7			CHICK	125.
16	4	1986	D8			CHICK	250.
23	4	1986	C1			CHICK	250.
23	4	1986	C4			CHICK	500.
23	4	1986	C6			CHICK	500.
23	4	1986	C9			CHICK	125.
23	4	1986	D11			CHICK	500.
23	4	1986	D2			CHICK	250.
23	4	1986	D4			CHICK	125.
23	4	1986	D7			CHICK	125.
23	4	1986	D8			CHICK	250.
30	4	1986	C1			CHICK	250.
30	4	1986	C4			CHICK	500.
30	4	1986	C6			CHICK	500.
30	4	1986	C9			CHICK	125.
30	4	1986	D11			CHICK	500.
30	4	1986	D2			CHICK	250.
30	4	1986	D4			CHICK	125.
30	4	1986	D7			CHICK	125.
30	4	1986	D8			CHICK	250.
7	5	1986	C1			CHICK	250.
7	5	1986	C4			CHICK	500.
7	5	1986	C6			CHICK	500.
7	5	1986	C9			CHICK	125.
7	5	1986	D11			CHICK	500.
7	5	1986	D2			CHICK	250.
7	5	1986	D4			CHICK	125.
7	5	1986	D7			CHICK	125.
7	5	1986	D8			CHICK	250.