# Pond Dynamics/Aquaculture Collaborative Research Data Reports

## Volume Five, Number Two
## Rwanda Project

### Cycle III of the CRSP Global Experiment

Pond Dynamics/Aquaculture CRSP
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# POND DYNAMICS/AQUACULTURE COLLABORATIVE RESEARCH DATA REPORTS

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

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

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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).

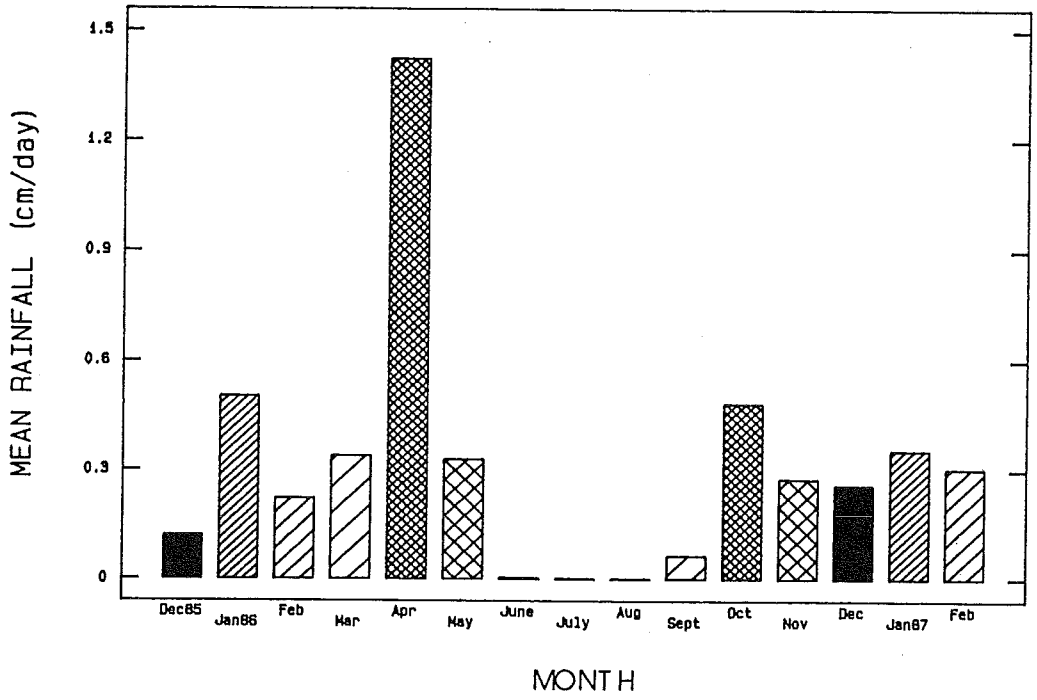


Figure 1. Mean rainfall (cm/d) at the Rwasave Fish Culture Station, Butare, Rwanda.

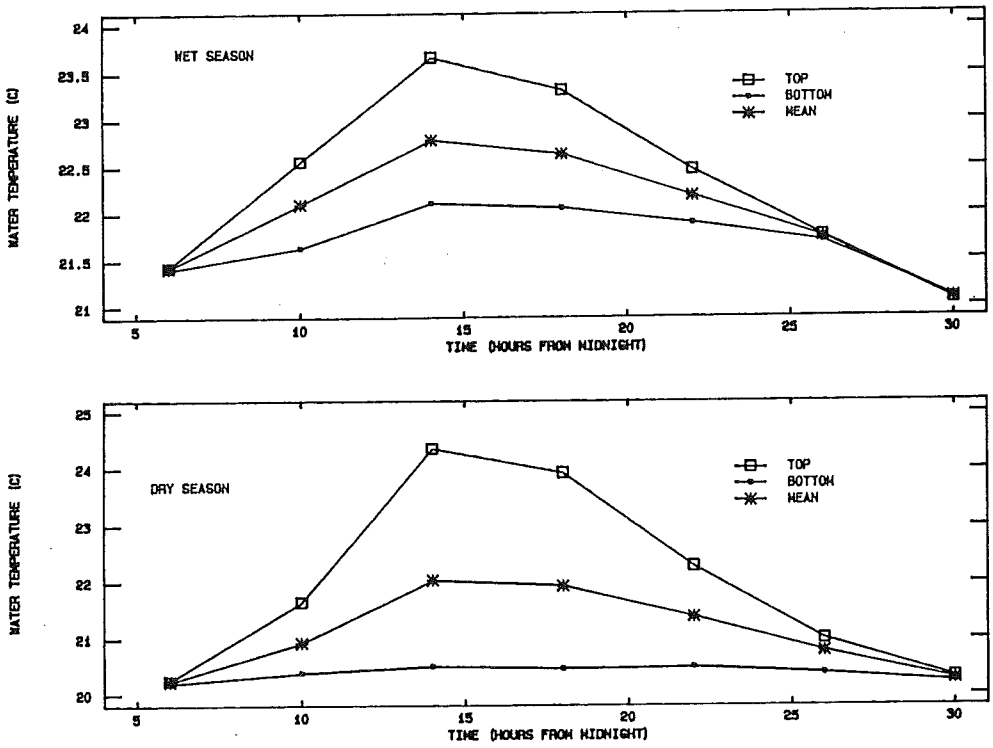


Figure 2. Top, bottom, and mean pond temperatures from diel samples for experiments W1 and D2.

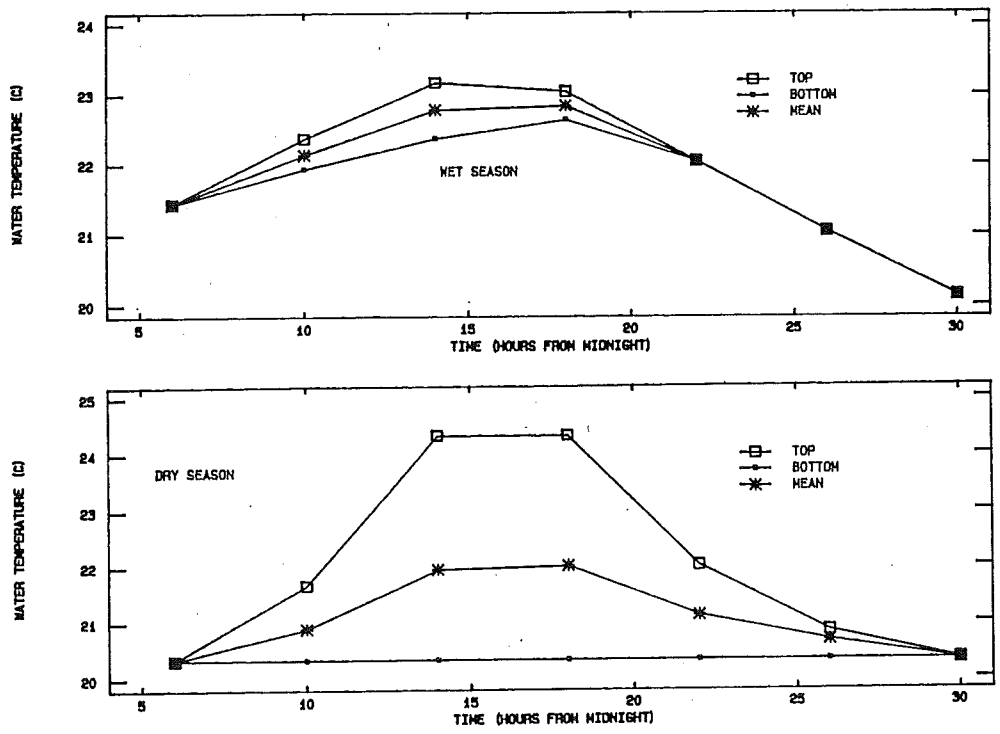


Figure 3. Top, bottom, and mean pond temperatures for the first 24-hour diel samples for both W1 and D2.

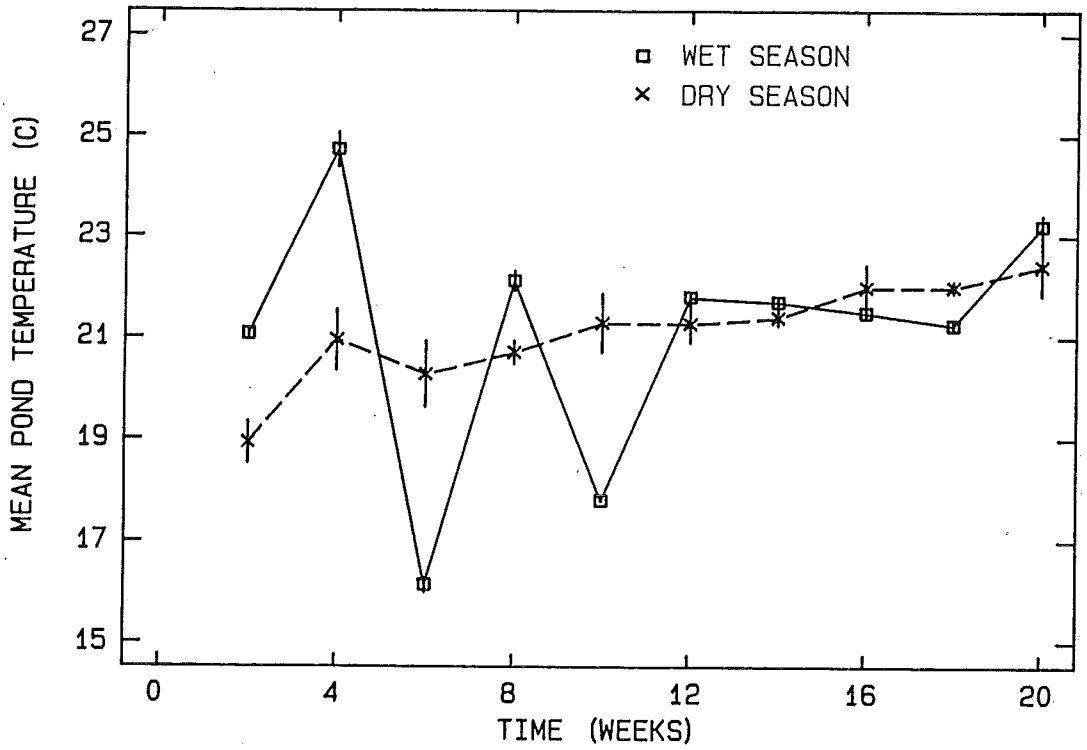


Figure 4. Mean temperatures for a selected treatment (250 kg/ha/wk input rate) for wet and dry seasons.

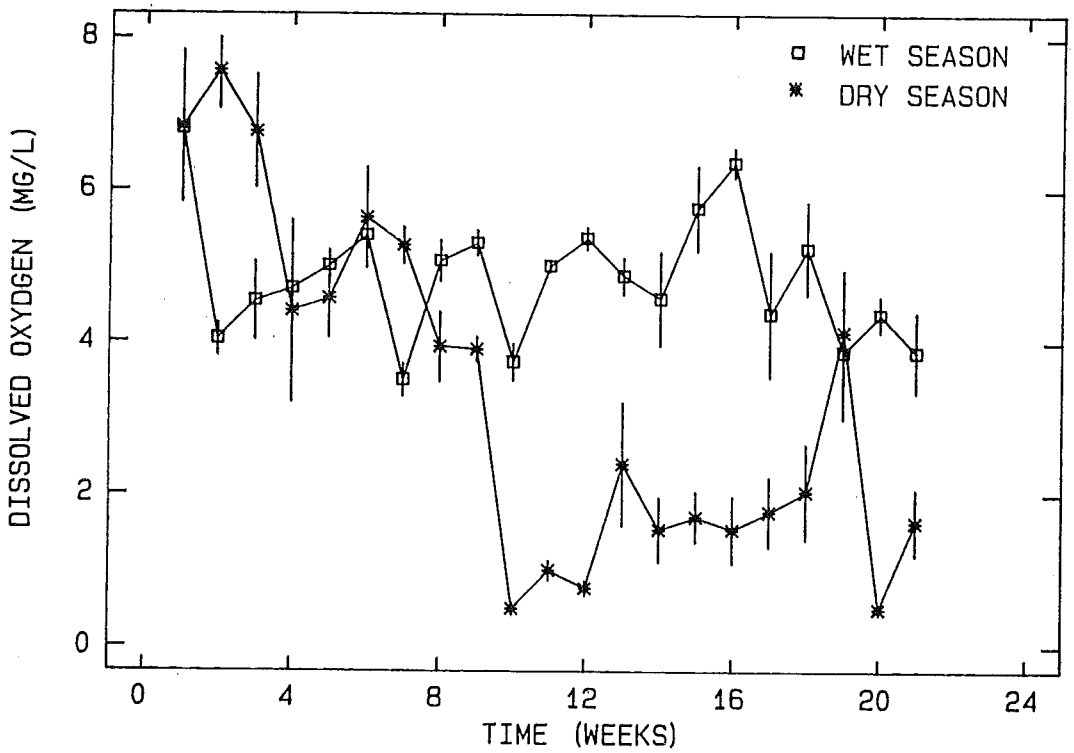


Figure 5. Dissolved oxygen concentrations (mg/L) for the bottom of ponds receiving the high input rate (500 kg/ha/wk).

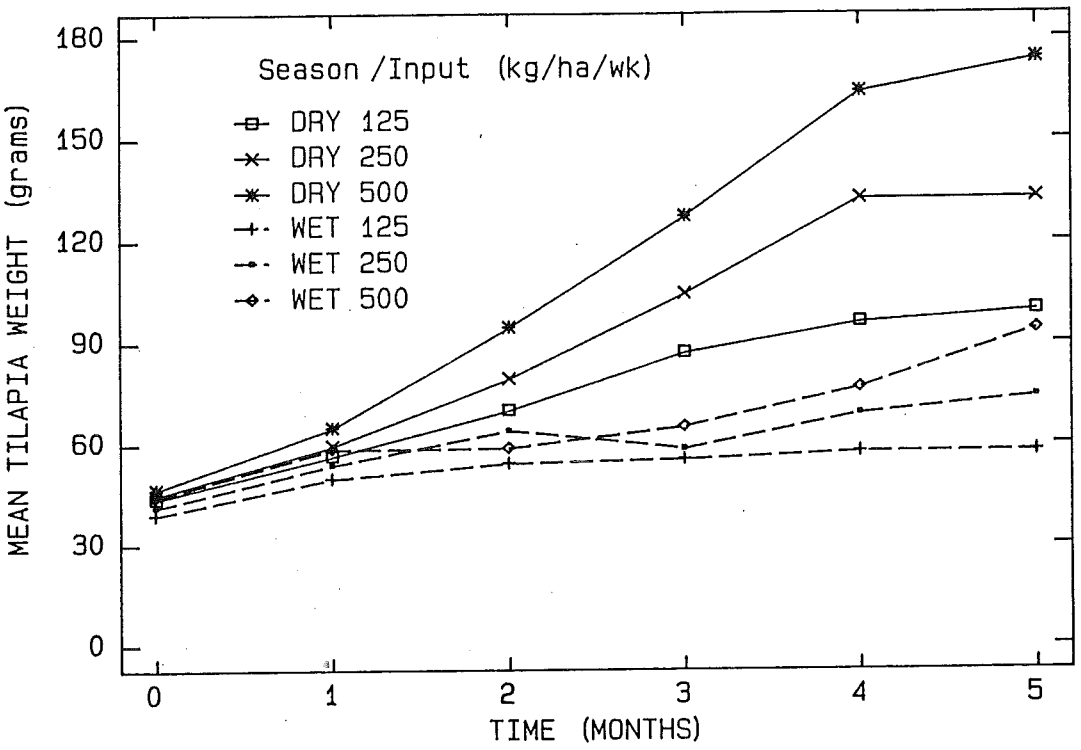


Figure 6. Mean fish weight through time for wet and dry seasons.

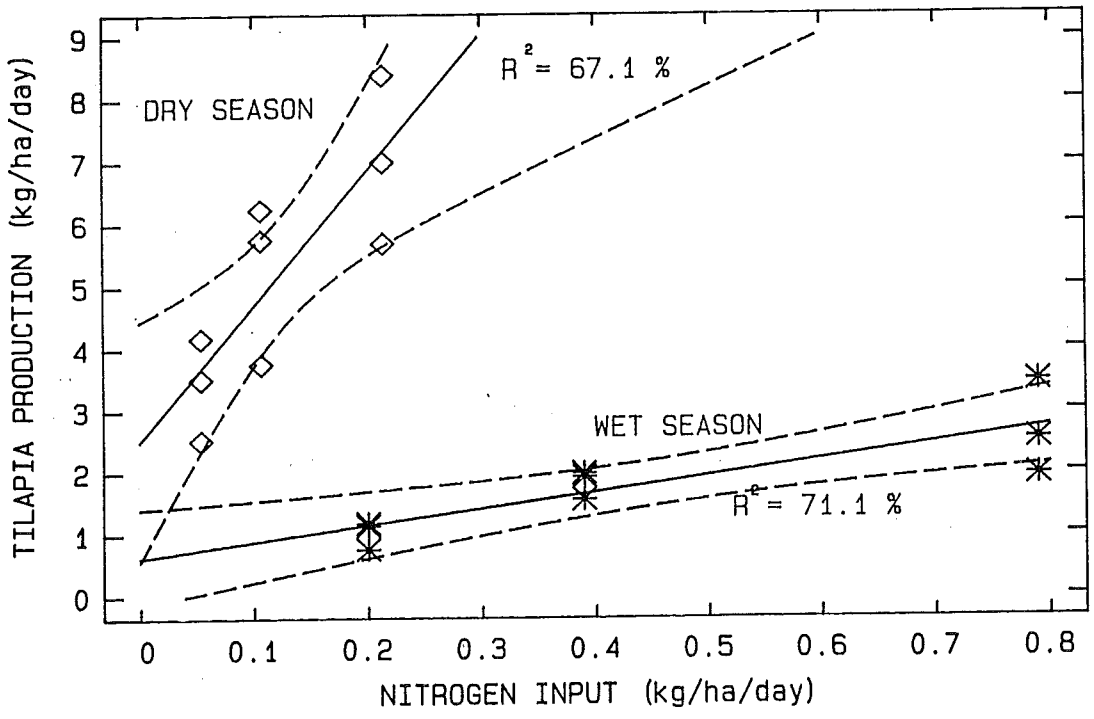


Figure 7. Nitrogen input versus tilapia production for wet and dry seasons.

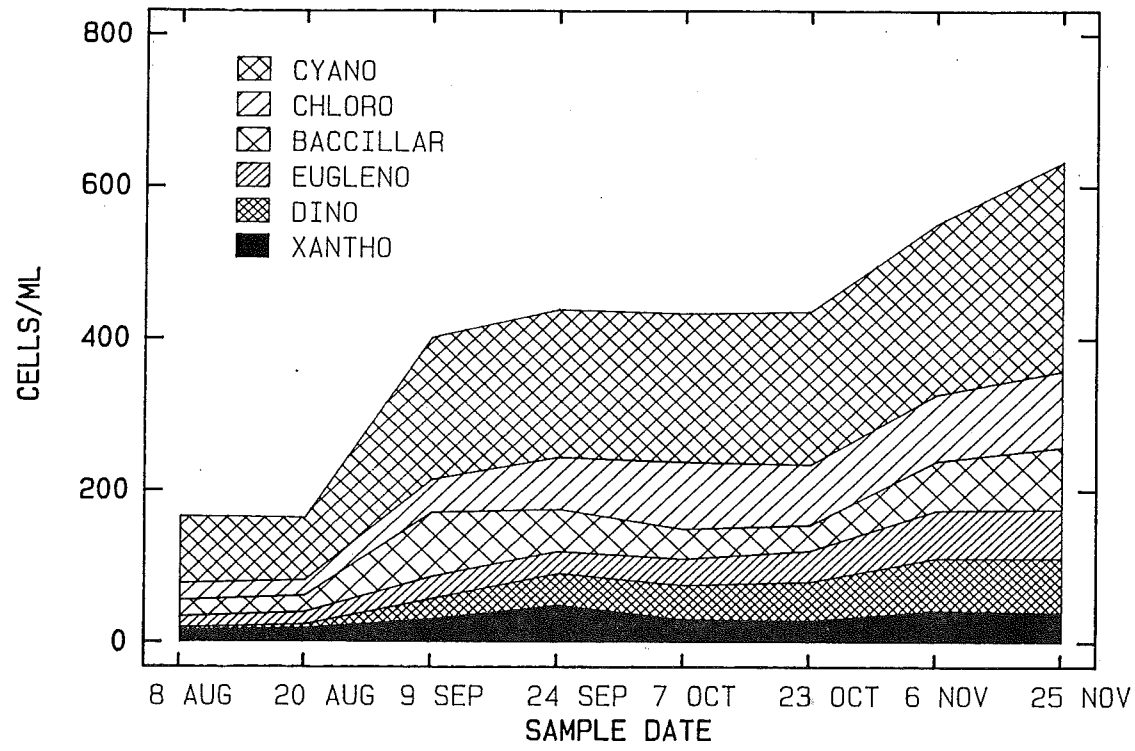


Figure 8. Phytoplankton cell counts for all ponds during the dry season and the early part of the "small wet season."

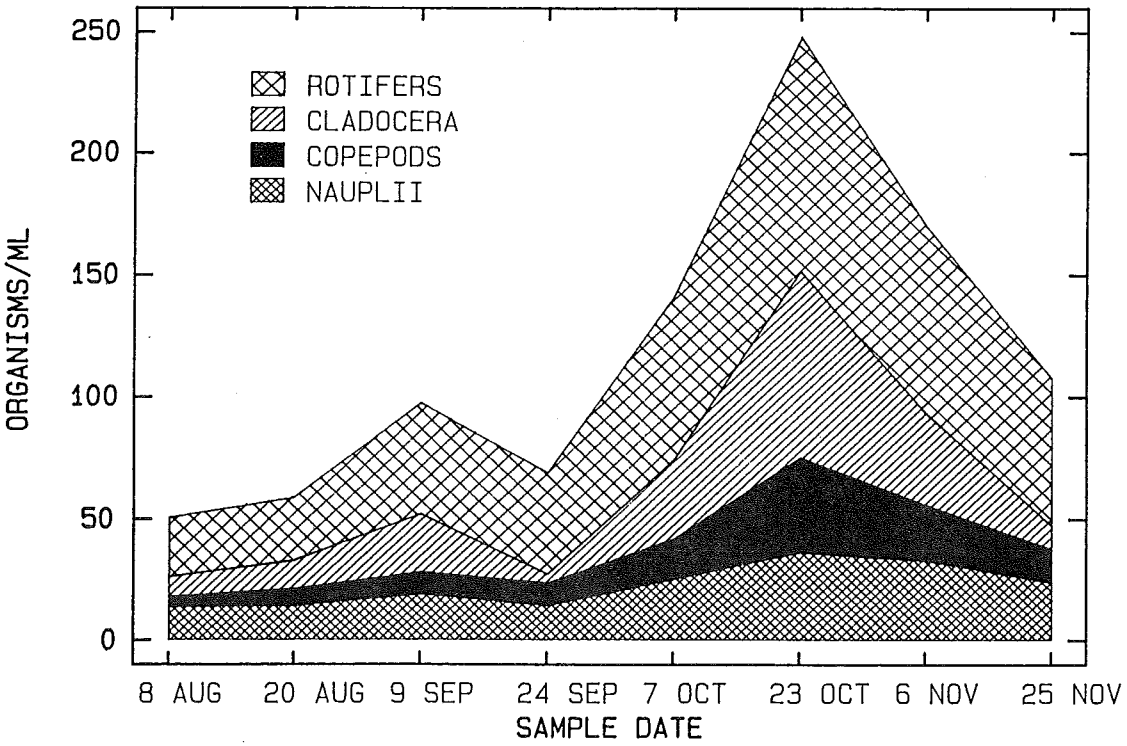


Figure 9. Zooplankton population densities for all ponds during the dry season and the early part of the "small wet season."

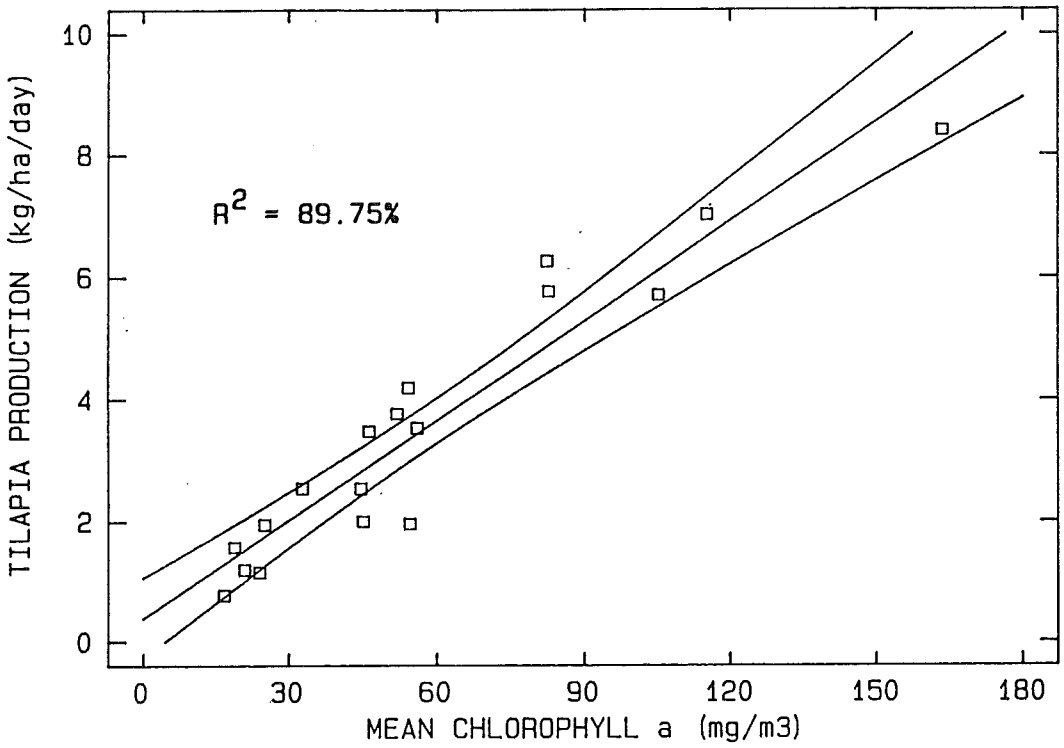


Figure 10. Tilapia production versus mean chlorophyll *a* for combined data from W1 and D2.

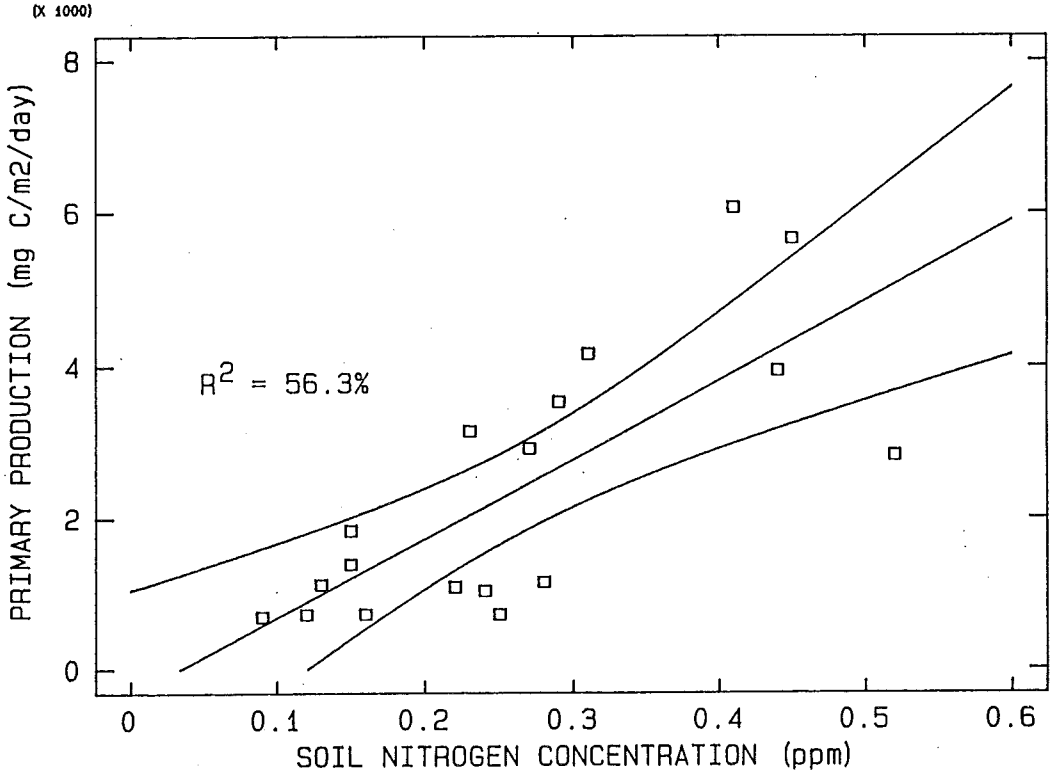


Figure 11. Primary production versus soil nitrogen for experiments W1 and D2.

# APPENDIX

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


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Table 11. Nutrient and Lime Inputs. Rwanda, Cycle III
Dry Season ..... 99
Wet Season ..... 101

# 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. |

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 | 1.28 | 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 |

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 | 1.12 | 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 |

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 |

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 | 1.23 | 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 |

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 | 1.24 | 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 | DEAD# | 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 |

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 |

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 | 1.32 | N | N |
| 23 | 4 | 1986 | D7 | 1.38 | 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 |
|---|---|---|---|---|---|---|
| 26 | 4 | 1986 | C6 | 1.39 | N | N |
| 26 | 4 | 1986 | C9 | 1.4 | N | N |
| 26 | 4 | 1986 | D2 | 1.28 | N | N |
| 26 | 4 | 1986 | D4 | 1.32 | N | N |
| 26 | 4 | 1986 | D7 | 1.36 | N | N |
| 26 | 4 | 1986 | D8 | 1.45 | N | N |
| 26 | 4 | 1986 | D11 | 1.29 | N | N |
| 27 | 4 | 1986 | C1 | 1.39 | N | N |
| 27 | 4 | 1986 | C4 | 1.42 | N | N |
| 27 | 4 | 1986 | C6 | 1.4 | N | N |
| 27 | 4 | 1986 | C9 | 1.4 | N | N |
| 27 | 4 | 1986 | D2 | 1.29 | N | N |
| 27 | 4 | 1986 | D4 | 1.32 | N | N |
| 27 | 4 | 1986 | D7 | 1.38 | N | N |
| 27 | 4 | 1986 | D8 | 1.45 | N | N |
| 27 | 4 | 1986 | D11 | 1.3 | N | N |
| 28 | 4 | 1986 | C1 | 1.38 | N | N |
| 28 | 4 | 1986 | C4 | 1.42 | N | N |
| 28 | 4 | 1986 | C6 | 1.4 | N | N |
| 28 | 4 | 1986 | C9 | 1.4 | N | N |
| 28 | 4 | 1986 | D2 | 1.28 | N | N |
| 28 | 4 | 1986 | D4 | 1.33 | N | N |
| 28 | 4 | 1986 | D7 | 1.38 | N | N |
| 28 | 4 | 1986 | D8 | 1.46 | N | N |
| 28 | 4 | 1986 | D11 | 1.3 | N | N |
| 29 | 4 | 1986 | C1 | 1.38 | N | N |
| 29 | 4 | 1986 | C4 | 1.42 | N | N |
| 29 | 4 | 1986 | C6 | 1.4 | N | N |
| 29 | 4 | 1986 | C9 | 1.4 | N | N |
| 29 | 4 | 1986 | D2 | 1.29 | N | N |
| 29 | 4 | 1986 | D4 | 1.32 | N | N |
| 29 | 4 | 1986 | D7 | 1.38 | N | N |
| 29 | 4 | 1986 | D8 | 1.45 | N | N |
| 29 | 4 | 1986 | D11 | 1.3 | N | N |
| 30 | 4 | 1986 | C1 | 1.37 | N | N |
| 30 | 4 | 1986 | C4 | 1.42 | N | N |
| 30 | 4 | 1986 | C6 | 1.4 | N | N |
| 30 | 4 | 1986 | C9 | 1.4 | N | N |
| 30 | 4 | 1986 | D2 | 1.29 | N | N |
| 30 | 4 | 1986 | D4 | 1.32 | N | N |
| 30 | 4 | 1986 | D7 | 1.38 | N | N |
| 30 | 4 | 1986 | D8 | 1.45 | N | N |
| 30 | 4 | 1986 | D11 | 1.3 | N | N |
| 1 | 5 | 1986 | C1 | 1.36 | N | N |
| 1 | 5 | 1986 | C4 | 1.42 | N | N |
| 1 | 5 | 1986 | C6 | 1.39 | N | N |
| 1 | 5 | 1986 | C9 | 1.4 | N | N |
| 1 | 5 | 1986 | D2 | 1.28 | N | N |
| 1 | 5 | 1986 | D4 | 1.32 | N | N |
| 1 | 5 | 1986 | D7 | 1.36 | N | N |
| 1 | 5 | 1986 | D8 | 1.45 | N | N |
| 1 | 5 | 1986 | D11 | 1.28 | N | N |
| 2 | 5 | 1986 | C1 | 1.36 | N | N |
| 2 | 5 | 1986 | C4 | 1.42 | N | N |
| 2 | 5 | 1986 | C6 | 1.39 | N | N |
| 2 | 5 | 1986 | C9 | 1.39 | N | N |
| 2 | 5 | 1986 | D2 | 1.27 | N | N |
| 2 | 5 | 1986 | D4 | 1.32 | N | N |
| 2 | 5 | 1986 | D7 | 1.36 | N | N |
| 2 | 5 | 1986 | D8 | 1.45 | N | N |
| 2 | 5 | 1986 | D11 | 1.27 | N | N |
| 3 | 5 | 1986 | C1 | 1.34 | N | N |
| 3 | 5 | 1986 | C4 | 1.4 | N | N |
| 3 | 5 | 1986 | C6 | 1.38 | N | N |
| 3 | 5 | 1986 | C9 | 1.38 | N | N |
| 3 | 5 | 1986 | D2 | 1.25 | N | N |
| 3 | 5 | 1986 | D4 | 1.32 | N | N |
| 3 | 5 | 1986 | D7 | 1.34 | N | N |
| 3 | 5 | 1986 | D8 | 1.43 | N | N |
| 3 | 5 | 1986 | D11 | 1.26 | N | N |
| 4 | 5 | 1986 | C1 | 1.33 | N | N |
| 4 | 5 | 1986 | C4 | 1.39 | N | N |
| 4 | 5 | 1986 | C6 | 1.36 | N | N |
| 4 | 5 | 1986 | C9 | 1.36 | N | N |
| 4 | 5 | 1986 | D2 | 1.25 | N | N |
| 4 | 5 | 1986 | D4 | 1.32 | N | N |
| 4 | 5 | 1986 | D7 | 1.33 | N | N |
| 4 | 5 | 1986 | D8 | 1.43 | N | N |
| 4 | 5 | 1986 | D11 | 1.24 | N | N |
| 5 | 5 | 1986 | C1 | 1.31 | N | N |
| 5 | 5 | 1986 | C4 | 1.38 | N | N |
| 5 | 5 | 1986 | C6 | 1.35 | N | N |
| 5 | 5 | 1986 | C9 | 1.34 | N | N |
| 5 | 5 | 1986 | D2 | 1.24 | N | N |
| 5 | 5 | 1986 | D4 | 1.32 | N | N |
| 5 | 5 | 1986 | D7 | 1.32 | N | N |
| 5 | 5 | 1986 | D8 | 1.42 | N | N |
| 5 | 5 | 1986 | D11 | 1.22 | N | N |
| 6 | 5 | 1986 | C1 | 1.31 | N | N |
| 6 | 5 | 1986 | C4 | 1.37 | N | N |
| 6 | 5 | 1986 | C6 | 1.34 | N | N |
| 6 | 5 | 1986 | C9 | 1.34 | N | N |
| 6 | 5 | 1986 | D2 | 1.23 | 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. | 23. | 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 | 0.08 | | 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. | | 22. |
| 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. | 24. | 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. | 183. |
| 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 | 5.5 | 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. | 20. | 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. |

# 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 553 | 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. | 21. | | | | | 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 | | | | | 46. | 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 | 0.06 | 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 | | | | | 38. | 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. | 48. | 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 | 21.8 | 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 | 2.92 | 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 | 0.96 | 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 | 1.61 | 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. | | | | | 48. | 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 | 81. | 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 | 20.8 | 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 | SECHII DISK A | SECHII 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 | D8 | 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. |

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 | 946 | 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 | 1813 | D8 | 8. | 7.8 | 5.5 | 23. | 19. | 18.5 | 7.4 |
| 22 | 7 | 1986 | 1818 | D11 | 10.8 | 9.3 | 4.7 | 22.5 | 19. | 17.5 | 8.2 |
| 22 | 7 | 1986 | 2130 | C1 | 10. | 9.2 | 5.5 | 21. | 19. | 18.5 | 7.3 |
| 22 | 7 | 1986 | 2135 | C4 | 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 | 6.8 | 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 | 3.6 | 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 | 4.2 | 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 | 1800 | 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 | 4.7 | 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 | 1. | 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 |
| 14 | 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. | 21. | 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 | D8 | 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 | 6.8 |
| 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 | 3.8 | 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 | 5.5 | 1.1 | 23. | 23. | 22. | 7.3 |

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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 9.4 | 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 | 1986 | 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 | 7.7 | 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 |

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 | 5.9 | 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 |

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 | 4.8 | 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 | 558 | 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 | 6.8 | 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 | 16.6 | 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 | C6 | | | 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. | | 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. |
| 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 | 33.5 | 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 | 48.7 | 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. |

# 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 CM | VOLUME 130 CM |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 523. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |
| 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. | 521. |

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

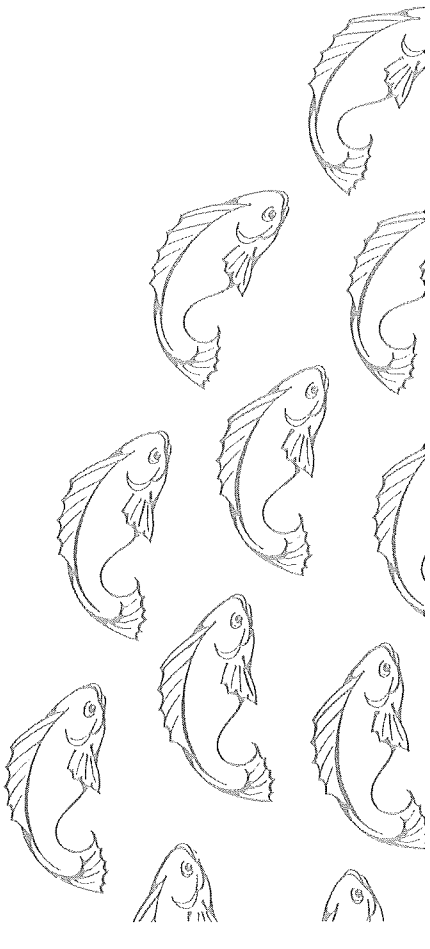
| DAY | MONTH | YEAR | POND# | FEED TYPE | FEED QUANTITY | MANURE TYPE | MANURE QUANTITY |
|---|---|---|---|---|---|---|---|
| 16 | 7 | 1986 | C1 | | | CHICK | 30. |
| 16 | 7 | 1986 | C4 | | | CHICK | 60. |
| 16 | 7 | 1986 | C6 | | | CHICK | 60. |
| 16 | 7 | 1986 | C9 | | | CHICK | 15. |
| 16 | 7 | 1986 | 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 | D8 | | | 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 | D8 | | | 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. |