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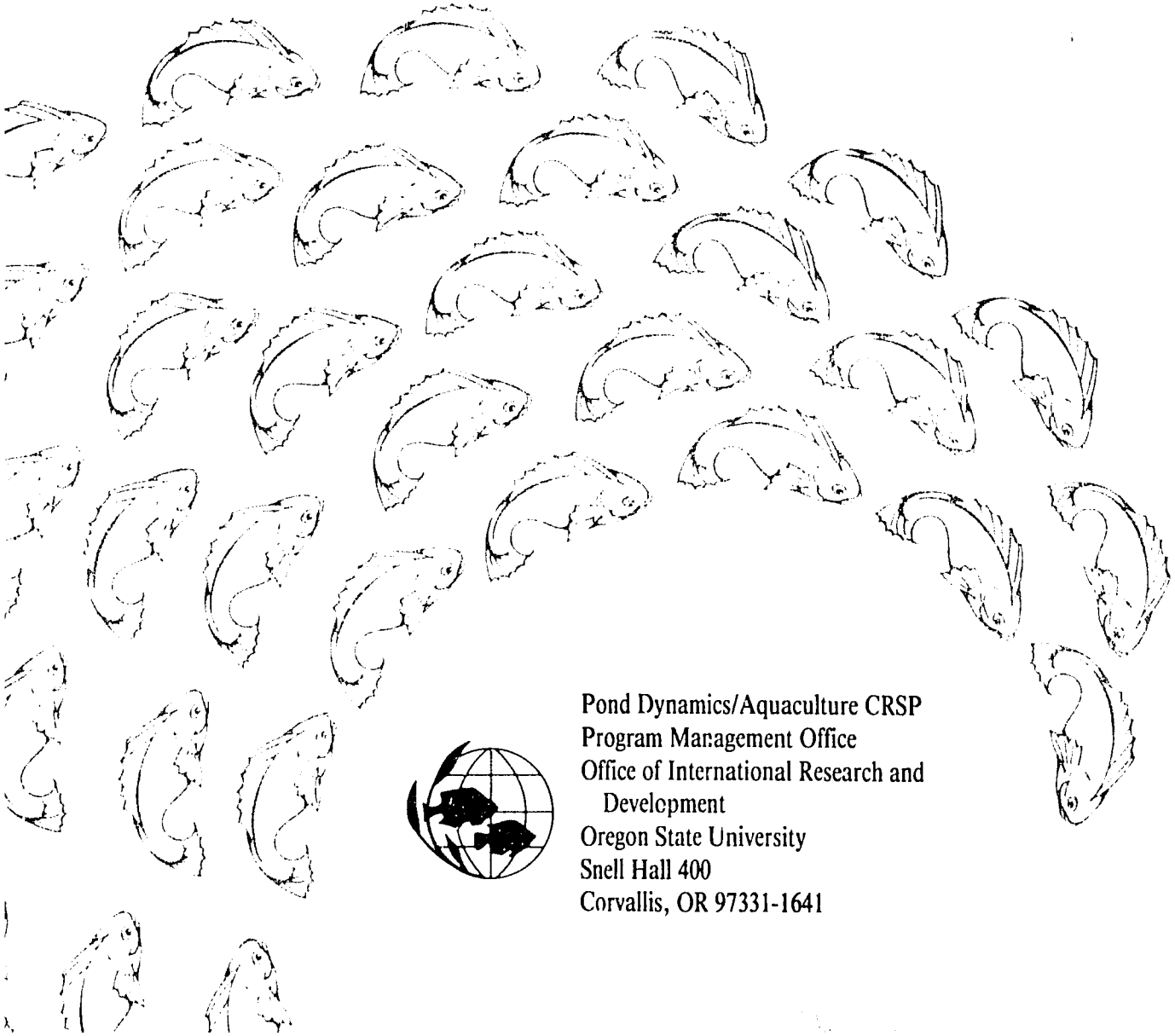
# Pond Dynamics/Aquaculture Collaborative Research Data Reports

## Volume Eight, Number Two
## Aguadulce, Panama Project

### Cycle II of the
### CRSP Global Experiment



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# POND DYNAMICS/AQUACULTURE COLLABORATIVE RESEARCH DATA REPORTS

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

June 28, 1991

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# FOREWORD

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

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

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

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

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

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

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

## LIST OF DATA TABLES

### Complete Set of Data from Cycle II of the Pond Dynamics/ Aquaculture CRSP in Aguadulce, Panama

## UNITS OF MEASUREMENT AND ABBREVIATIONS USED IN THE APPENDIX TABLES

Daily Weather Measurements:

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

Daily Pond Measurements:

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

Intensive Sampling Measurements:

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

Diurnal Measurements:

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

Fish/Shrimp Stocking, Sampling, and Harvesting:

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

Plankton and Benthos:

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

Water Quality Characteristics:

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

Pond Soil Characteristics:

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

Analysis of Nutrients and Lime:

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

Nutrient and Lime Inputs:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| DAY | MONTH | YEAR | POND# | DEPTH | INFLOW | OVERFLOW | DEAD# | SPECIES | SALINITY | H2O-FLOW |
|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 8 | 1984 | 11 | | | | | | 15. | |
| 25 | 8 | 1984 | 16 | | | | | | 14. | |
| 25 | 8 | 1984 | 19 | | | | | | 16. | |
| 25 | 8 | 1984 | 20 | | | | | | 16. | |
| 25 | 8 | 1984 | 21 | | | | | | 17. | |
| 25 | 8 | 1984 | 24 | | | | | | 16. | |
| 25 | 8 | 1984 | 25 | | | | | | 14. | |
| 25 | 8 | 1984 | 28 | | | | | | 14. | |
| 25 | 8 | 1984 | 31 | | | | | | 17. | |
| 25 | 8 | 1984 | 34 | | | | | | 15. | |
| 25 | 8 | 1984 | 35 | | | | | | 14. | |
| 25 | 8 | 1984 | 36 | | | | | | 14. | |
| 25 | 8 | 1984 | 37 | | | | | | 15. | |
| 25 | 8 | 1984 | 38 | | | | | | 15. | |
| 25 | 8 | 1984 | 39 | | | | | | 16. | |
| 25 | 8 | 1984 | 40 | | | | | | 14. | |
| 25 | 8 | 1984 | 42 | | | | | | 15. | |
| 26 | 8 | 1984 | 2 | | | | | | 18. | |
| 26 | 8 | 1984 | 4 | | | | | | 15. | |
| 26 | 8 | 1984 | 5 | | | | | | 15. | |
| 26 | 8 | 1984 | 6 | | | | | | 17. | |
| 26 | 8 | 1984 | 7 | | | | | | 16. | |
| 26 | 8 | 1984 | 8 | | | | | | 16. | |
| 26 | 8 | 1984 | 9 | | | | | | 16. | |
| 26 | 8 | 1984 | 10 | | | | | | 16. | |
| 26 | 8 | 1984 | 12 | | | | | | 16. | |
| 26 | 8 | 1984 | 13 | | | | | | 17. | |
| 26 | 8 | 1984 | 14 | | | | | | 16. | |
| 26 | 8 | 1984 | 16 | | | | | | 15. | |
| 26 | 8 | 1984 | 19 | | | | | | 27. | |
| 26 | 8 | 1984 | 20 | | | | | | 17. | |
| 26 | 8 | 1984 | 21 | | | | | | 18. | |
| 26 | 8 | 1984 | 24 | | | | | | 17. | |
| 26 | 8 | 1984 | 25 | | | | | | 15. | |
| 26 | 8 | 1984 | 28 | | | | | | 15. | |
| 26 | 8 | 1984 | 31 | | | | | | 18. | |
| 26 | 8 | 1984 | 34 | | | | | | 16. | |
| 26 | 8 | 1984 | 35 | | | | | | 15. | |
| 26 | 8 | 1984 | 36 | | | | | | 15. | |
| 26 | 8 | 1984 | 37 | | | | | | 16. | |
| 26 | 8 | 1984 | 38 | | | | | | 16. | |
| 26 | 8 | 1984 | 39 | | | | | | 17. | |
| 26 | 8 | 1984 | 40 | | | | | | 16. | |
| 26 | 8 | 1984 | 42 | | | | | | 16. | |
| 27 | 8 | 1984 | 2 | | | | | | 18. | |
| 27 | 8 | 1984 | 4 | | | | | | 15. | |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| DAY | MONTH | YEAR | POND# | DEPTH | INFLOW | OVERFLOW | DEAD# | SPECIES | SALINITY | H2O-FLOW |
|---|---|---|---|---|---|---|---|---|---|---|
| 22 | 10 | 1984 | 25 | | | | | | 12.6 | |
| 22 | 10 | 1984 | 28 | | | | | | 11.6 | |
| 22 | 10 | 1984 | 31 | | | | | | 11. | |
| 22 | 10 | 1984 | 34 | | | | | | 11. | |
| 22 | 10 | 1984 | 35 | | | | | | 12. | |
| 22 | 10 | 1984 | 36 | | | | | | 11. | |
| 22 | 10 | 1984 | 37 | | | | | | 12. | |
| 22 | 10 | 1984 | 38 | | | | | | 13. | |
| 22 | 10 | 1984 | 39 | | | | | | 13. | |
| 22 | 10 | 1984 | 40 | | | | | | 12. | |
| 22 | 10 | 1984 | 42 | | | | | | 12. | |
| 23 | 10 | 1984 | 2 | | | | | | 15. | |
| 23 | 10 | 1984 | 4 | | | | | | 14. | |
| 23 | 10 | 1984 | 5 | | | | | | 14. | |
| 23 | 10 | 1984 | 6 | | | | | | 14. | |
| 23 | 10 | 1984 | 7 | | | | | | 13. | |
| 23 | 10 | 1984 | 8 | | | | | | 13. | |
| 23 | 10 | 1984 | 9 | | | | | | 14. | |
| 23 | 10 | 1984 | 10 | | | | | | 14. | |
| 23 | 10 | 1984 | 12 | | | | | | 13. | |
| 23 | 10 | 1984 | 13 | | | | | | 14. | |
| 23 | 10 | 1984 | 14 | | | | | | 14. | |
| 23 | 10 | 1984 | 1c | | | | | | 14. | |
| 23 | 10 | 1984 | 19 | | | | | | 15. | |
| 23 | 10 | 1984 | 20 | | | | | | 14. | |
| 23 | 10 | 1984 | 21 | | | | | | 13. | |
| 23 | 10 | 1984 | 24 | | | | | | 14. | |
| 23 | 10 | 1984 | 25 | | | | | | 14. | |
| 23 | 10 | 1984 | 28 | | | | | | 13. | |
| 23 | 10 | 1984 | 3. | | | | | | 12. | |
| 23 | 10 | 1984 | 34 | | | | | | 15. | |
| 23 | 10 | 1984 | 35 | | | | | | 15. | |
| 23 | 10 | 1984 | 36 | | | | | | 14. | |
| 23 | 10 | 1984 | 37 | | | | | | 13. | |
| 23 | 10 | 1984 | 38 | | | | | | 12. | |
| 23 | 10 | 1984 | 39 | | | | | | 14. | |
| 23 | 10 | 1984 | 40 | | | | | | 13. | |
| 23 | 10 | 1984 | 42 | | | | | | 13. | |
| 24 | 10 | 1984 | 2 | | | | | | 15. | |
| 24 | 10 | 1984 | 4 | | | | | | 14. | |
| 24 | 10 | 1984 | 5 | | | | | | 14. | |
| 24 | 10 | 1984 | 6 | | | | | | 14. | |
| 24 | 10 | 1984 | 7 | | | | | | 13. | |
| 24 | 10 | 1984 | 8 | | | | | | 13. | |
| 24 | 10 | 1984 | 9 | | | | | | 14. | |
| 24 | 10 | 1984 | 10 | | | | | | 14. | |

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

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

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

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

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

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

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

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

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

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

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

| DAY | MONTH | YEAR | POND# | DEPTH | INFLOW | OVERFLOW | DEAD# | SPECIES | SALINITY | H20-FLOW |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 11 | 1984 | 28 | | | | | | 14. | |
| 1 | 11 | 1984 | 28 | | | | | | 14. | |
| 1 | 11 | 1984 | 31 | | | | | | 10. | |
| 1 | 11 | 1984 | 31 | | | | | | 10. | |
| 1 | 11 | 1984 | 34 | | | | | | 12. | |
| 1 | 11 | 1984 | 34 | | | | | | 12. | |
| 1 | 11 | 1984 | 35 | | | | | | 11. | |
| 1 | 11 | 1984 | 35 | | | | | | 11. | |
| 1 | 11 | 1984 | 36 | | | | | | 11. | |
| 1 | 11 | 1984 | 36 | | | | | | 11. | |
| 1 | 11 | 1984 | 37 | | | | | | 10. | |
| 1 | 11 | 1984 | 37 | | | | | | 10. | |
| 1 | 11 | 1984 | 38 | | | | | | 10. | |
| 1 | 11 | 1984 | 39 | | | | | | 11. | |
| 1 | 11 | 1984 | 4 | | | | | | 12. | |
| 1 | 11 | 1984 | 4 | | | | | | 12. | |
| 1 | 11 | 1984 | 40 | | | | | | 11. | |
| 1 | 11 | 1984 | 42 | | | | | | 10. | |
| 1 | 11 | 1984 | 5 | | | | | | 12. | |
| 1 | 11 | 1984 | 5 | | | | | | 12. | |
| 1 | 11 | 1984 | 6 | | | | | | 11. | |
| 1 | 11 | 1984 | 6 | | | | | | 11. | |
| 1 | 11 | 1984 | 7 | | | | | | 12. | |
| 1 | 11 | 1984 | 7 | | | | | | 12. | |
| 1 | 11 | 1984 | 8 | | | | | | 11. | |
| 1 | 11 | 1984 | 8 | | | | | | 11. | |
| 1 | 11 | 1984 | 9 | | | | | | 10. | |
| 1 | 11 | 1984 | 9 | | | | | | 10. | |
| 2 | 11 | 1984 | 10 | | | | | | 10. | |
| 2 | 11 | 1984 | 12 | | | | | | 11. | |
| 2 | 11 | 1984 | 13 | | | | | | 11. | |
| 2 | 11 | 1984 | 14 | | | | | | 10. | |
| 2 | 11 | 1984 | 16 | | | | | | 11. | |
| 2 | 11 | 1984 | 19 | | | | | | 12. | |
| 2 | 11 | 1984 | 2 | | | | | | 11. | |
| 2 | 11 | 1984 | 20 | | | | | | 12. | |
| 2 | 11 | 1984 | 21 | | | | | | 10. | |
| 2 | 11 | 1984 | 24 | | | | | | 13. | |
| 2 | 11 | 1984 | 25 | | | | | | 12. | |
| 2 | 11 | 1984 | 28 | | | | | | 14. | |
| 2 | 11 | 1984 | 31 | | | | | | 10. | |
| 2 | 11 | 1984 | 34 | | | | | | 12. | |
| 2 | 11 | 1984 | 35 | | | | | | 11. | |
| 2 | 11 | 1984 | 36 | | | | | | 11. | |
| 2 | 11 | 1984 | 36 | | | | | | 11. | |
| 2 | 11 | 1984 | 37 | | | | | | 10. | |

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | BO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 7 | 1984 | | 1 | | | | | | | | | | | | 116.1 | | 8.07 | | 0.71 | 0.042 | 1.152 | 1.194 | | 0.449 | | | 37.6 | 26. | 82. |
| 11 | 7 | 1984 | | 2 | | | | | | | | | | | | 114.6 | | 8.35 | | 0.558 | 0.072 | 2.058 | 2.129 | | 0.396 | | | 53.9 | 37.2 | 97.9 |
| 11 | 7 | 1984 | | 4 | | | | | | | | | | | | 110.1 | | 8.08 | | 0.804 | 0.006 | 0.556 | 0.562 | | 0.741 | | | 34.1 | 30.5 | 63.3 |
| 11 | 7 | 1984 | | 5 | | | | | | | | | | | | 112.1 | | 7.68 | | 1.927 | 0.013 | 0.824 | 0.837 | | 0.959 | | | 59.2 | 27.5 | 35.9 |
| 11 | 7 | 1984 | | 6 | | | | | | | | | | | | 111.[illegible] | | 8.18 | | 1.043 | 0.077 | 2.636 | 2.713 | | 0.45 | | | 9. | 4.8 | 19.5 |
| 11 | 7 | 1984 | | 7 | | | | | | | | | | | | 130.6 | | 8.26 | | 1.846 | 0.188 | 4.576 | 4.764 | | 0.627 | | | 6.6 | 6.4 | 11.8 |
| 11 | 7 | 1984 | | 8 | | | | | | | | | | | | 113.6 | | 8.51 | | 0.442 | 0.104 | 2.898 | 3.002 | | 0.289 | | | 10.6 | 8. | 35.8 |
| 11 | 7 | 1984 | | 9 | | | | | | | | | | | | 117.6 | | 8.1 | | 0.674 | 0.026 | 0.63 | 0.656 | | 0.805 | | | 2.8 | 6.1 | 19. |
| 11 | 7 | 1984 | | 10 | | | | | | | | | | | | 132.1 | | 8.54 | | 0.399 | 0.03 | 0.703 | 0.733 | | 0.447 | | | 16.5 | 5.6 | 35.8 |
| 11 | 7 | 1984 | | 11 | | | | | | | | | | | | 142.1 | | 8.16 | | 0.891 | 0.015 | 0.353 | 0.368 | | 1.855 | | | 11.2 | 6. | 37. |
| 11 | 7 | 1984 | | 12 | | | | | | | | | | | | 112.6 | | 8.33 | | 0.565 | 0.041 | 1.44 | 1.481 | | 0.614 | | | 16.7 | 5.7 | 13.8 |
| 11 | 7 | 1984 | | 13 | | | | | | | | | | | | 112.6 | | 8.37 | | 0.196 | 0.061 | 0. | 0.061 | | 0.824 | | | 11.2 | 2.9 | 7. |
| 11 | 7 | 1984 | | 14 | | | | | | | | | | | | 126.6 | | 8.07 | | 0.906 | 0.011 | 0.434 | 0.444 | | 0.828 | | | 16. | 2.8 | 11. |
| 11 | 7 | 1984 | | 15 | | | | | | | | | | | | 114.1 | | 8.14 | | 0.855 | 0.028 | 2.979 | 3.006 | | 0.781 | | | 5.4 | [illegible] | 0. |
| 11 | 7 | 1984 | | 16 | | | | | | | | | | | | 111.6 | | 8.04 | | 0.855 | 0.038 | 2.279 | 2.318 | | 0.721 | | | 0. | 0. | 0. |
| 11 | 7 | 1984 | | 17 | | | | | | | | | | | | 127.6 | | 8.2 | | 1.761 | 0.165 | 3.613 | 3.778 | | 0.963 | | | 5.2 | 0.5 | 0. |
| 11 | 7 | 1984 | | 18 | | | | | | | | | | | | 129.1 | | 8.09 | | 1.225 | 0.097 | 4.316 | 4.413 | | 1.186 | | | 0.4 | 0.3 | 3.8 |
| 11 | 7 | 1984 | | 19 | | | | | | | | | | | | 142.1 | | 7.68 | | 1.927 | 0.135 | 0.392 | 0.527 | | 1.811 | | | 1.4 | 0. | 9.6 |
| 11 | 7 | 1984 | | 20 | | | | | | | | | | | | 130.1 | | 7.8 | | 1.413 | 0.132 | 2.559 | 2.69 | | 1.635 | | | 0. | 0.9 | 1.1 |
| 11 | 7 | 1984 | | 21 | | | | | | | | | | | | 112.6 | | 8.18 | | 0.261 | 0.015 | 0.099 | 0.114 | | 0.291 | | | 3.3 | 0. | 3.6 |
| 11 | 7 | 1984 | | 25 | | | | | | | | | | | | 128.1 | | 8.02 | | 1.587 | 0.013 | 0.635 | 0.647 | | 0.832 | | | 3.4 | 7.2 | [illegible]2. |
| 11 | 7 | 1984 | | 26 | | | | | | | | | | | | 108.6 | | 7.61 | | 0.761 | 0.018 | 0.985 | 1.003 | | 0.803 | | | 4.7 | 0.7 | 20.9 |
| 11 | 7 | 1984 | | 27 | | | | | | | | | | | | 96.1 | | 7.73 | | 0.877 | 0.015 | 0.666 | 0.681 | | 0.655 | | | 5. | 4.9 | 8.7 |
| 11 | 7 | 1984 | | 28 | | | | | | | | | | | | 135.1 | | 7.88 | | 1.167 | 0.032 | 0.908 | 0.94 | | 0.3[illegible] | | | 24.3 | 16.6 | 13.5 |
| 11 | 7 | 1984 | | 29 | | | | | | | | | | | | 108.6 | | 8.14 | | 0.645 | 0.007 | 0.007 | 0.014 | | 0.745 | | | 10.9 | 7.6 | 4.5 |
| [illegible] | 7 | 1984 | | 30 | | | | | | | | | | | | 99.6 | | 7.79 | | 0.391 | 0.013 | 1.061 | 1.074 | | 0.869 | | | 10.9 | 5.9 | 3.2 |
| 11 | 7 | 1984 | | 31 | | | | | | | | | | | | 107.6 | | 7.81 | | 0.942 | 0.058 | 4.167 | 4.225 | | 1.231 | | | 33. | 15.9 | 49. |
| 11 | 7 | 1984 | | 32 | | | | | | | | | | | | 131.[illegible] | | 8.04 | | 1.783 | 0.073 | 1.836 | 1.91 | | 1.472 | | | 11.9 | 0. | 2.5 |
| 11 | 7 | 1984 | | 33 | | | | | | | | | | | | 110.1 | | 7.72 | | 1.565 | 0.064 | 1.541 | 1.605 | | 1.534 | | | 2.2 | 1.7 | 3.2 |
| 11 | 7 | 1984 | | 34 | | | | | | | | | | | | 126.1 | | 7.7 | | 1.466 | 0.061 | 1.696 | 1.757 | | 1.582 | | | 5.6 | 0.2 | 1.3 |
| 11 | 7 | 1984 | | 35 | | | | | | | | | | | | 131.6 | | 7.8 | | 1.71 | 0.073 | 3.231 | 3.304 | | 1.183 | | | 10.6 | 6.2 | 37.9 |
| 11 | 7 | 1984 | | 36 | | | | | | | | | | | | 110.1 | | 7.88 | | 1.181 | 0.041 | 1.605 | 1.646 | | 0.916 | | | 3.4 | 2.3 | 3.8 |
| 11 | 7 | 1984 | | 37 | | | | | | | | | | | | 107.6 | | 7.84 | | 1.369 | 0.052 | 1.463 | 1.516 | | 1.288 | | | 9.4 | 6.7 | 10.2 |
| 11 | 7 | 1984 | | 38 | | | | | | | | | | | | 128.1 | | 8. | | 0.826 | 0.079 | 1.886 | 1.965 | | 1.575 | | | 8.1 | 10. | 0. |
| 11 | 7 | 1984 | | 39 | | | | | | | | | | | | 136.6 | | 7.61 | | 1.406 | 0.101 | 2.233 | 2.334 | | 1.826 | | | 8. | 2.1 | 0. |
| 11 | 7 | 1984 | | 40 | | | | | | | | | | | | 127.6 | | 7.61 | | 1.369 | 0.123 | 2.538 | 2.66 | | 1.642 | | | 6. | 0. | 0. |
| 11 | 7 | 1984 | | 41 | | | | | | | | | | | | 142.1 | | 8.19 | | 1.333 | 0.124 | 1.703 | 1.827 | | 1.057 | | | 7.5 | 12. | 22.1 |
| 11 | 7 | 1984 | | 42 | | | | | | | | | | | | 142.1 | | 8.19 | | 0.703 | 0.045 | 1.119 | 1.164 | | 1.209 | | | 14.2 | 8.4 | 14.9 |
| 11 | 7 | 1984 | | 50 | | | | | | | | | | | | 102.6 | | 7.71 | | 0.92 | 0.004 | 0.381 | 0.385 | | 0.071 | | | 19.3 | 16.6 | 26.7 |
| 11 | 7 | 1984 | | 60 | | | | | | | | | | | | 142.1 | | 7.28 | | 0.174 | 0.002 | 0.015 | 0.017 | | 1.126 | | | 56.3 | 38.2 | 83.8 |
| 19 | 7 | 1984 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 11.3 | 0. | 0. |
| 19 | 7 | 1984 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 19.5 | 3.7 | 11.9 |
| 19 | 7 | 1984 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | 16.1 | 1.3 | 9.1 |

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

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

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHL( OPH( ( |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 8 | 1984 | | 7 | | | | | | | | | | | | | | | | 0.002 | 0.011 | 0. | 0.011 | | 0.07 | | | | | |
| 7 | 8 | 1984 | | 8 | | | | | | | | | | | | | | | | 0.003 | 0.016 | 0. | 0.016 | | 0.01 | | | | | |
| 7 | 8 | 1984 | | 9 | | | | | | | | | | | | | | | | 0.002 | 0.022 | 0. | 0.022 | | 0.053 | | | | | |
| 7 | 8 | 1984 | | 10 | | | | | | | | | | | | | | | | 0.002 | 0.016 | 0. | 0.016 | | 0.066 | | | | | |
| 7 | 8 | 1984 | | 12 | | | | | | | | | | | | | | | | 0.002 | 0.047 | 0. | 0.047 | | 0.111 | | | | | |
| 7 | 8 | 1984 | | 13 | | | | | | | | | | | | | | | | 0.002 | 0.019 | 0. | 0.019 | | 0.065 | | | | | |
| 7 | 8 | 1984 | | 14 | | | | | | | | | | | | | | | | 0.003 | 0.025 | 0. | 0.025 | | 0.074 | | | | | |
| 7 | 8 | 1984 | | 16 | | | | | | | | | | | | | | | | 0.002 | 0.019 | 0. | 0.019 | | 0.09 | | | | | |
| 7 | 8 | 1984 | | 19 | | | | | | | | | | | | | | | | 0.002 | 0.014 | 0. | 0.014 | | 0.049 | | | | | |
| 7 | 8 | 1984 | | 20 | | | | | | | | | | | | | | | | 0.001 | 0.03 | 0. | 0.03 | | 0.027 | | | | | |
| 7 | 8 | 1984 | | 21 | | | | | | | | | | | | | | | | 0.002 | 0.055 | 0. | 0.055 | | 0.01 | | | | | |
| 7 | 8 | 1984 | | 24 | | | | | | | | | | | | | | | | 0.002 | 0.047 | 0. | 0.047 | | 0.021 | | | | | |
| 7 | 8 | 1984 | | 25 | | | | | | | | | | | | | | | | 0.001 | 0.041 | 0. | 0.041 | | 0.036 | | | | | |
| 7 | 8 | 1984 | | 28 | | | | | | | | | | | | | | | | 0.001 | 0.047 | 0. | 0.047 | | 0.091 | | | | | |
| 7 | 8 | 1984 | | 31 | | | | | | | | | | | | | | | | 0.002 | 0.022 | 0. | 0.022 | | 0.076 | | | | | |
| 7 | 8 | 1984 | | 34 | | | | | | | | | | | | | | | | 0.002 | 0.013 | 0. | 0.013 | | 0.125 | | | | | |
| 7 | 8 | 1984 | | 35 | | | | | | | | | | | | | | | | 0.002 | 0.019 | 0. | 0.019 | | 0.099 | | | | | |
| 7 | 8 | 1984 | | 36 | | | | | | | | | | | | | | | | 0.002 | 0.016 | 0. | 0.016 | | 0.091 | | | | | |
| 7 | 8 | 1984 | | 37 | | | | | | | | | | | | | | | | 0.002 | 0.011 | 0.001 | 0.012 | | 0.078 | | | | | |
| 7 | 8 | 1984 | | 38 | | | | | | | | | | | | | | | | 0.002 | 0.033 | 0. | 0.033 | | 0.069 | | | | | |
| 7 | 8 | 1984 | | 39 | | | | | | | | | | | | | | | | 0.006 | 0.016 | 0. | 0.016 | | 0.049 | | | | | |
| 7 | 8 | 1984 | | 40 | | | | | | | | | | | | | | | | 0.001 | 0.019 | 0. | 0.019 | | 0.026 | | | | | |
| 7 | 8 | 1984 | | 42 | | | | | | | | | | | | | | | | 0.002 | 0.027 | 0. | 0.027 | | 0.045 | | | | | |
| 7 | 8 | 1984 | | 50 | | | | | | | | | | | | | | | | 0.002 | 0.088 | 0. | 0.088 | | 0.025 | | | | | |
| 7 | 8 | 1984 | | 60 | | | | | | | | | | | | | | | | 0.078 | 0.132 | 0. | 0.132 | | 0.013 | | | | | |
| 8 | 8 | 1984 | | 2 | | | | | | | | | | | | | | | | 0.862 | 0.038 | 0.379 | 0.417 | | 0.019 | | | | | |
| 8 | 8 | 1984 | | 4 | | | | | | | | | | | | | | | | 1.034 | 0.029 | 0.398 | 0.427 | | 0.037 | | | | | |
| 8 | 8 | 1984 | | 5 | | | | | | | | | | | | | | | | 0.196 | 0.024 | 0.107 | 0.131 | | 0.015 | | | | | |
| 8 | 8 | 1984 | | 6 | | | | | | | | | | | | | | | | 0.355 | 0.022 | 0.099 | 0.121 | | 0.008 | | | | | |
| 8 | 8 | 1984 | | 7 | | | | | | | | | | | | | | | | 0.836 | 0.007 | 0.564 | 0.571 | | 0.027 | | | | | |
| 8 | 8 | 1984 | | 8 | | | | | | | | | | | | | | | | 0.154 | 0.02 | 0.157 | 0.177 | | 0.009 | | | | | |
| 8 | 8 | 1984 | | 9 | | | | | | | | | | | | | | | | 0.205 | 0.012 | 0.036 | 0.048 | | 0.009 | | | | | |
| 8 | 8 | 1984 | | 10 | | | | | | | | | | | | | | | | 0.238 | 0.044 | 0.055 | 0.1 | | 0.009 | | | | | |
| 8 | 8 | 1984 | | 12 | | | | | | | | | | | | | | | | 0.852 | 0.053 | 0.081 | 0.134 | | 0.027 | | | | | |
| 8 | 8 | 1984 | | 13 | | | | | | | | | | | | | | | | 0.537 | 0.038 | 0.18 | 0.217 | | 0.021 | | | | | |
| 8 | 8 | 1984 | | 14 | | | | | | | | | | | | | | | | 0.659 | 0.015 | 0.057 | 0.073 | | 0.04 | | | | | |
| 8 | 8 | 1984 | | 16 | | | | | | | | | | | | | | | | 0.351 | 0.065 | 0.415 | 0.48 | | 0.036 | | | | | |
| 8 | 8 | 1984 | | 19 | | | | | | | | | | | | | | | | 0.17 | 0.01 | 0.04 | 0.05 | | 0.008 | | | | | |
| 8 | 8 | 1984 | | 20 | | | | | | | | | | | | | | | | 0.169 | 0.027 | 0.275 | 0.302 | | 0.005 | | | | | |
| 8 | 8 | 1984 | | 21 | | | | | | | | | | | | | | | | 0.576 | 0.02 | 0.399 | 0.42 | | 0.011 | | | | | |
| 8 | 8 | 1984 | | [illegible] | | | | | | | | | | | | | | | | 0.557 | 0.029 | 0.733 | 0.762 | | 0.013 | | | | | |
| 8 | 8 | 1984 | | 25 | | | | | | | | | | | | | | | | 0.943 | 0.026 | 0.321 | 0.346 | | 0.026 | | | | | |
| 8 | 8 | 1984 | | 28 | | | | | | | | | | | | | | | | 1.149 | 0.012 | 0.431 | 0.443 | | 0.028 | | | | | |
| 8 | 8 | 1984 | | 31 | | | | | | | | | | | | | | | | 0.672 | 0.012 | 0.346 | 0.358 | | 0.017 | | | | | |

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 8 | 1984 | | 34 | | | | | | | | | | | | | | | | 0.739 | 0.02 | 0.351 | 0.372 | | 0.027 | | | | | |
| 8 | 8 | 1984 | | 35 | | | | | | | | | | | | | | | | 1.043 | 0.019 | 0.385 | 0.404 | | 0.026 | | | | | |
| 8 | 8 | 1984 | | 36 | | | | | | | | | | | | | | | | 0.822 | 0.005 | 0.276 | 0.284 | | 0.012 | | | | | |
| 8 | 8 | 1984 | | 37 | | | | | | | | | | | | | | | | 1.226 | 0.029 | 0.104 | 0.133 | | 0.025 | | | | | |
| 8 | 8 | 1984 | | 38 | | | | | | | | | | | | | | | | 0.736 | 0.039 | 0.4 | 0.439 | | 0.027 | | | | | |
| 8 | 8 | 1984 | | 39 | | | | | | | | | | | | | | | | 0.247 | 0.014 | 0.035 | 0.049 | | 0.008 | | | | | |
| 8 | 8 | 1984 | | 40 | | | | | | | | | | | | | | | | 0.264 | 0.01 | 0.101 | 0.112 | | 0.01 | | | | | |
| 8 | 8 | 1984 | | 42 | | | | | | | | | | | | | | | | 1.223 | 0.014 | 0.242 | 0.255 | | 0.024 | | | | | |
| 8 | 8 | 1984 | | 50 | | | | | | | | | | | | | | | | 0.176 | 0.007 | 0.081 | 0.087 | | 0.003 | | | | | |
| 8 | 8 | 1984 | | 60 | | | | | | | | | | | | | | | | 0.607 | 0.022 | 0.068 | 0.09 | | 0.007 | | | | | |
| 9 | 8 | 1984 | | 2 | | | | | | | | | | | | | | | | 0.545 | 0.006 | 0.014 | 0.02 | | 0.037 | | | | | |
| 9 | 8 | 1984 | | 4 | | | | | | | | | | | | | | | | 0.244 | 0.006 | 0. | 0.006 | | 0.04 | | | | | |
| 9 | 8 | 1984 | | 5 | | | | | | | | | | | | | | | | 0.599 | 0.002 | 0.008 | 0.009 | | 0.024 | | | | | |
| 9 | 8 | 1984 | | 6 | | | | | | | | | | | | | | | | 0.074 | 0. | 0.004 | 0.004 | | 0.012 | | | | | |
| 9 | 8 | 1984 | | 7 | | | | | | | | | | | | | | | | 0.451 | 0.011 | 0.001 | 0.012 | | 0.016 | | | | | |
| 9 | 8 | 1984 | | 8 | | | | | | | | | | | | | | | | 0.111 | 0.013 | 0.003 | 0.016 | | 0.019 | | | | | |
| 9 | 8 | 1984 | | 9 | | | | | | | | | | | | | | | | 0.089 | 0. | 0.004 | 0.004 | | 0.014 | | | | | |
| 9 | 8 | 1984 | | 10 | | | | | | | | | | | | | | | | 0.156 | 0.008 | 0.003 | 0.01 | | 0.008 | | | | | |
| 9 | 8 | 1984 | | 12 | | | | | | | | | | | | | | | | 0.366 | 0. | 0.011 | 0.011 | | 0.016 | | | | | |
| 9 | 8 | 1984 | | 13 | | | | | | | | | | | | | | | | 0.343 | 0. | 0.015 | 0.015 | | 0.032 | | | | | |
| 9 | 8 | 1984 | | 14 | | | | | | | | | | | | | | | | 0.613 | 0. | 0.002 | 0.002 | | 0.02 | | | | | |
| 9 | 8 | 1984 | | 16 | | | | | | | | | | | | | | | | 0.714 | 0.008 | 0. | 0.008 | | 0.023 | | | | | |
| 9 | 8 | 1984 | | 19 | | | | | | | | | | | | | | | | 0.038 | 0.003 | 0.006 | 0.009 | | 0.013 | | | | | |
| 9 | 8 | 1984 | | 20 | | | | | | | | | | | | | | | | 0.05 | 0.003 | 0.007 | 0.01 | | 0.01 | | | | | |
| 9 | 8 | 1984 | | 21 | | | | | | | | | | | | | | | | 0.534 | 0.009 | 0. | 0.009 | | 0.067 | | | | | |
| 9 | 8 | 1984 | | 24 | | | | | | | | | | | | | | | | 0.46 | 0.054 | 0. | 0.054 | | 0.017 | | | | | |
| 9 | 8 | 1984 | | 25 | | | | | | | | | | | | | | | | 0.763 | 0. | 0. | 0. | | 0.028 | | | | | |
| 9 | 8 | 1984 | | 28 | | | | | | | | | | | | | | | | 0.951 | 0. | 0.011 | 0.011 | | 0.111 | | | | | |
| 9 | 8 | 1984 | | 31 | | | | | | | | | | | | | | | | 0.643 | 0. | 0.009 | 0.009 | | 0.018 | | | | | |
| 9 | 8 | 1984 | | 34 | | | | | | | | | | | | | | | | 0.971 | 0.003 | 0.003 | 0.006 | | 0.039 | | | | | |
| 9 | 8 | 1984 | | 35 | | | | | | | | | | | | | | | | 1.053 | 0.02 | 0. | 0.02 | | 0.059 | | | | | |
| 9 | 8 | 1984 | | 36 | | | | | | | | | | | | | | | | 0.889 | 0. | 0. | 0. | | 0.036 | | | | | |
| 9 | 8 | 1984 | | 37 | | | | | | | | | | | | | | | | 0.711 | 0.002 | 0.008 | 0.01 | | 0.028 | | | | | |
| 9 | 8 | 1984 | | 38 | | | | | | | | | | | | | | | | 1.166 | 0.005 | 0.006 | 0.011 | | 0.021 | | | | | |
| 9 | 8 | 1984 | | 39 | | | | | | | | | | | | | | | | 0.145 | 0.017 | 0. | 0.017 | | 0.009 | | | | | |
| 9 | 8 | 1984 | | 40 | | | | | | | | | | | | | | | | 0.039 | 0.006 | 0.01 | 0.016 | | 0.009 | | | | | |
| 9 | 8 | 1984 | | 42 | | | | | | | | | | | | | | | | 0.638 | 0. | 0.009 | 0.009 | | 0.015 | | | | | |
| 9 | 8 | 1984 | | 50 | | | | | | | | | | | | | | | | 0.052 | 0.003 | 0.005 | 0.008 | | 0.005 | | | | | |
| 9 | 8 | 1984 | | 60 | | | | | | | | | | | | | | | | 0.211 | 0.016 | 0.012 | 0.028 | | 0.004 | | | | | |
| 10 | 8 | 1984 | | 2 | | | | | | | | | | | | | | | | 0.519 | 0.011 | 0.09 | 0.101 | | 0.193 | | | | | |
| 10 | 8 | 1984 | | 4 | | | | | | | | | | | | | | | | 0.055 | 0. | 0.013 | 0.013 | | 0.091 | | | | | |
| 10 | 8 | 1984 | | 5 | | | | | | | | | | | | | | | | 0.772 | 0.002 | 0.024 | 0.026 | | 0.145 | | | | | |
| 10 | 8 | 1984 | | 6 | | | | | | | | | | | | | | | | 0.097 | 0.003 | 0.014 | 0.018 | | 0.364 | | | | | |
| 10 | 8 | 1984 | | 7 | | | | | | | | | | | | | | | | 0.379 | 0.006 | 0.11 | 0.116 | | 0.152 | | | | | |

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10 | 8 | 1984 | | 8 | | | | | | | | | | | | | | | | 0.079 | 0.006 | 0.008 | 0.014 | | 0.461 | | | | | |
| 10 | 8 | 1984 | | 9 | | | | | | | | | | | | | | | | 0.054 | 0. | 0.015 | 0.015 | | 0.074 | | | | | |
| 10 | 8 | 1984 | | 10 | | | | | | | | | | | | | | | | 0.116 | 0. | 0.017 | 0.017 | | 0.101 | | | | | |
| 10 | 8 | 1984 | | 12 | | | | | | | | | | | | | | | | 0.244 | 0.006 | 0.039 | 0.046 | | 0.289 | | | | | |
| 10 | 8 | 1984 | | 13 | | | | | | | | | | | | | | | | 0.267 | 0.003 | 0.058 | 0.06 | | 0.243 | | | | | |
| 10 | 8 | 1984 | | 14 | | | | | | | | | | | | | | | | 0.732 | 0.01 | 0.018 | 0.028 | | 0.291 | | | | | |
| 10 | 8 | 1984 | | 16 | | | | | | | | | | | | | | | | 0.309 | 0.02 | 0.128 | 0.149 | | 0.206 | | | | | |
| 10 | 8 | 1984 | | 19 | | | | | | | | | | | | | | | | 0.073 | 0.004 | 0.006 | 0.01 | | 0.079 | | | | | |
| 10 | 8 | 1984 | | 20 | | | | | | | | | | | | | | | | 0.071 | 0.005 | 0.078 | 0.083 | | 0.039 | | | | | |
| 10 | 8 | 1984 | | 21 | | | | | | | | | | | | | | | | 0.167 | 0.004 | 0.052 | 0.055 | | 0.103 | | | | | |
| 10 | 8 | 1984 | | 24 | | | | | | | | | | | | | | | | 0.351 | 0.003 | 0.115 | 0.118 | | 0.199 | | | | | |
| 10 | 8 | 1984 | | 25 | | | | | | | | | | | | | | | | 0.499 | 0.041 | 0.123 | 0.164 | | 0.133 | | | | | |
| 10 | 8 | 1984 | | 28 | | | | | | | | | | | | | | | | 0.521 | 0.009 | 0.111 | 0.12 | | 0.26 | | | | | |
| 10 | 8 | 1984 | | 31 | | | | | | | | | | | | | | | | 0.219 | 0.001 | 0.035 | 0.035 | | 0.177 | | | | | |
| 10 | 8 | 1984 | | 34 | | | | | | | | | | | | | | | | 0.733 | 0.014 | 0.132 | 0.147 | | 0.176 | | | | | |
| 10 | 8 | 1984 | | 35 | | | | | | | | | | | | | | | | 0.47 | 0.004 | 0.088 | 0.092 | | 0.321 | | | | | |
| 10 | 8 | 1984 | | 36 | | | | | | | | | | | | | | | | 0.442 | 0.008 | 0.094 | 0.102 | | 0.275 | | | | | |
| 10 | 8 | 1984 | | 37 | | | | | | | | | | | | | | | | 0.368 | 0.009 | 0.094 | 0.103 | | 0.319 | | | | | |
| 10 | 8 | 1984 | | 38 | | | | | | | | | | | | | | | | 0.458 | 0.01 | 0.096 | 0.106 | | 0.248 | | | | | |
| 10 | 8 | 1984 | | 39 | | | | | | | | | | | | | | | | 0.111 | 0.005 | 0.013 | 0.018 | | 0.062 | | | | | |
| 10 | 8 | 1984 | | 40 | | | | | | | | | | | | | | | | 0.101 | 0.002 | 0.012 | 0.014 | | 0.037 | | | | | |
| 10 | 8 | 1984 | | 42 | | | | | | | | | | | | | | | | 0.221 | 0.003 | 0.047 | 0.05 | | 0.209 | | | | | |
| 10 | 8 | 1984 | | 50 | | | | | | | | | | | | | | | | 0.047 | 0.001 | 0.008 | 0.01 | | 0.019 | | | | | |
| 10 | 8 | 1984 | | 60 | | | | | | | | | | | | | | | | 0.085 | 0.006 | 0.004 | 0.01 | | 0.003 | | | | | |
| 13 | 8 | 1984 | | 2 | | | | | | | | | | | | | | | | 0.112 | 0.008 | 0. | 0.008 | | 0.119 | | | | | |
| 13 | 8 | 1984 | | 4 | | | | | | | | | | | | | | | | 0.067 | 0.024 | 0. | 0.024 | | 0.268 | | | | | |
| 13 | 8 | 1984 | | 5 | | | | | | | | | | | | | | | | 0.059 | 0.008 | 0.001 | 0.009 | | 0.161 | | | | | |
| 13 | 8 | 1984 | | 6 | | | | | | | | | | | | | | | | 0.07 | 0.004 | 0.016 | 0.02 | | 0.018 | | | | | |
| 13 | 8 | 1984 | | 7 | | | | | | | | | | | | | | | | 0.068 | 0. | 0.016 | 0.016 | | 0.25 | | | | | |
| 13 | 8 | 1984 | | 8 | | | | | | | | | | | | | | | | 0.054 | 0.006 | 0.007 | 0.013 | | 0.067 | | | | | |
| 13 | 8 | 1984 | | 9 | | | | | | | | | | | | | | | | 0.073 | 0.002 | 0.011 | 0.013 | | 0.047 | | | | | |
| 13 | 8 | 1984 | | 10 | | | | | | | | | | | | | | | | 0.08 | 0. | 0.004 | 0.004 | | 0.11 | | | | | |
| 13 | 8 | 1984 | | 12 | | | | | | | | | | | | | | | | 0.068 | 0.014 | 0.007 | 0.021 | | 0.394 | | | | | |
| 13 | 8 | 1984 | | 13 | | | | | | | | | | | | | | | | 0.064 | 0.008 | 0.01 | 0.018 | | 0.322 | | | | | |
| 13 | 8 | 1984 | | 14 | | | | | | | | | | | | | | | | 0.044 | 0. | 0.016 | 0.016 | | 0.248 | | | | | |
| 13 | 8 | 1984 | | 16 | | | | | | | | | | | | | | | | 0.043 | 0.01 | 0.003 | 0.013 | | 0.384 | | | | | |
| 13 | 8 | 1984 | | 19 | | | | | | | | | | | | | | | | 0.011 | 0.006 | 0.006 | 0.012 | | 0.058 | | | | | |
| 13 | 8 | 1984 | | 20 | | | | | | | | | | | | | | | | 0.038 | 0. | 0.018 | 0.018 | | 0.026 | | | | | |
| 13 | 8 | 1984 | | 21 | | | | | | | | | | | | | | | | 0.06 | 0.014 | 0. | 0.014 | | 0.077 | | | | | |
| 13 | 8 | 1984 | | 24 | | | | | | | | | | | | | | | | 0.04 | 0. | 0.018 | 0.018 | | 0.138 | | | | | |
| 13 | 8 | 1984 | | 25 | | | | | | | | | | | | | | | | 0.186 | 0.1 | 0. | 0.1 | | 0.276 | | | | | |
| 13 | 8 | 1984 | | 28 | | | | | | | | 31. | 30. | 26. | 25. | | | | | 0.236 | 0.098 | 0. | 0.098 | | 0.355 | | | | | |
| 13 | 8 | 1984 | | 31 | | | | | | | | | | | | | | | | 0.057 | 0. | 0.01 | 0.01 | | 0.23 | | | | | |
| 13 | 8 | 1984 | | 34 | | | | | | | | | | | | | | | | 0.045 | 0.004 | 0.019 | 0.023 | | 0.337 | | | | | |

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 8 | 1984 | | 35 | | | | | | | | | | | | | | | | 0.047 | 0.036 | 0. | 0.036 | | 0.329 | | | | | |
| 13 | 8 | 1984 | | 36 | | | | | | | | | | | | | | | | 0.153 | 0.05 | 0. | 0.05 | | 0.358 | | | | | |
| 13 | 8 | 1984 | | 37 | | | | | | | | | | | | | | | | 0.055 | 0.008 | 0.01 | 0.018 | | 0.052 | | | | | |
| 13 | 8 | 1984 | | 38 | | | | | | | | | | | | | | | | 0.155 | 0.074 | 0. | 0.074 | | 0.058 | | | | | |
| 13 | 8 | 1984 | | 39 | | | | | | | | | | | | | | | | 0.042 | 0.008 | 0.008 | 0.016 | | 0.037 | | | | | |
| 13 | 8 | 1984 | | 40 | | | | | | | | | | | | | | | | 0.019 | 0.006 | 0.018 | 0.024 | | 0.054 | | | | | |
| 13 | 8 | 1984 | | 42 | | | | | | | | 30. | 30. | 26. | 26. | | | | | 0.03 | 0.03 | 0. | 0.03 | | 0.202 | | | | | |
| 13 | 8 | 1984 | | 50 | | | | | | | | | | | | | | | | 0.065 | 0.002 | 0.01 | 0.012 | | 0.014 | | | | | |
| 13 | 8 | 1984 | | 60 | | | | | | | | | | | | | | | | 0.071 | 0.03 | 0.062 | 0.092 | | 0.014 | | | | | |
| 19 | 8 | 1984 | | 1 | | | | | | | | | | | | 28.5 | | 8.68 | | 0.65 | 0.001 | 0. | 0.001 | | 0.1 | | | 10.4 | 13.7 | 0. |
| 19 | 8 | 1984 | | 2 | | | | | | | | | | | | 43. | | 8.08 | | 0.333 | 0.001 | 0.036 | 0.037 | | 0.166 | | | 26.3 | 26.9 | 0. |
| 19 | 8 | 1984 | | 4 | | | | | | | | | | | | 80. | | 8.79 | | 0.076 | 0. | 0.007 | 0.007 | | 0.263 | | | 16.6 | 17.5 | 0. |
| 19 | 8 | 1984 | | 5 | | | | | | | | | | | | 80. | | 8.86 | | 0.098 | 0. | 0.031 | 0.031 | | 0.172 | | | 32.1 | 32.8 | 4.1 |
| 19 | 8 | 1984 | | 6 | | | | | | | | | | | | 112.2 | | 8.31 | | 0.754 | 0.003 | 0.022 | 0.025 | | 0.057 | | | 5.2 | 10.5 | 57.6 |
| 19 | 8 | 1984 | | 7 | | | | | | | | | | | | 3.5 | | 8.63 | | 0.363 | 0.004 | 0.026 | 0.03 | | 0.218 | | | 21.9 | 20.6 | 0. |
| 19 | 8 | 1984 | | 8 | | | | | | | | | | | | 45. | | 7.59 | | 0.07 | 0. | 0.005 | 0.005 | | 0.083 | | | 14.6 | 10.9 | 0. |
| 19 | 8 | 1984 | | 9 | | | | | | | | | | | | 32.5 | | 8.29 | | 0.755 | 0. | 0.024 | 0.024 | | 0.063 | | | 0.9 | 5.3 | 1. |
| 19 | 8 | 1984 | | 10 | | | | | | | | | | | | 36.4 | | 8.78 | | 0.041 | 0.003 | 0.022 | 0.025 | | 0.154 | | | 22. | 1.8 | 0.8 |
| 19 | 8 | 1984 | | 11 | | | | | | | | | | | | 14. | | 9.14 | | 2.2 | 0. | 0. | 0. | | 0.135 | | | 36.8 | 39.9 | 7.3 |
| 19 | 8 | 1984 | | 12 | | | | | | | | | | | | 108.6 | | 7.87 | | 0.751 | 0.007 | 0.049 | 0.057 | | 0.255 | | | 1.6 | 1.2 | 0. |
| 19 | 8 | 1984 | | 13 | | | | | | | | | | | | 104.4 | | 8.17 | | 0.666 | 0.008 | 0.062 | 0.07 | | 0.135 | | | 0.3 | 0. | 0. |
| 19 | 8 | 1984 | | 14 | | | | | | | | | | | | 28.4 | | 9.14 | | 0.203 | 0.007 | 0.033 | 0.04 | | 0.169 | | | 3.8 | 3.7 | 0. |
| 19 | 8 | 1984 | | 15 | | | | | | | | | | | | 103. | | 8.72 | | 1.63 | 0. | 0. | 0. | | 0.145 | | | 19.3 | 19. | 0. |
| 19 | 8 | 1984 | | 16 | | | | | | | | | | | | 42.9 | | 8.66 | | 0.098 | 0.009 | 0.048 | 0.057 | | 0.316 | | | 14.8 | 12.7 | 0. |
| 19 | 8 | 1984 | | 17 | | | | | | | | | | | | 83.7 | | 8.17 | | 2.7 | 0. | 0. | 0. | | 0.142 | | | 35.6 | 32.6 | 0. |
| 19 | 8 | 1984 | | 18 | | | | | | | | | | | | 11.4 | | 8.69 | | 1.75 | 0. | 0. | 0. | | 0.13 | | | 12. | 18.3 | 2.6 |
| 19 | 8 | 1984 | | 19 | | | | | | | | | | | | 42.8 | | 7.65 | | 0.111 | 0. | 0.078 | 0.078 | | 0.11 | | | 67.1 | 61.9 | 20.2 |
| 19 | 8 | 1984 | | 20 | | | | | | | | | | | | 34.8 | | 7.18 | | 0.202 | 0. | 0.041 | 0.041 | | 0.127 | | | 67.8 | 62.7 | 12.8 |
| 19 | 8 | 1984 | | 21 | | | | | | | | | | | | 38.5 | | 7.02 | | 0.069 | 0.002 | 0.047 | 0.049 | | 0.118 | | | 43.2 | 67.7 | 18.4 |
| 19 | 8 | 1984 | | 24 | | | | | | | | | | | | 23.5 | | 8.26 | | 0.742 | 0.004 | 0.062 | 0.066 | | 0.101 | | | 22.5 | 21.7 | 0. |
| 19 | 8 | 1984 | | 25 | | | | | | | | | | | | 40.4 | | 8.42 | | 0.085 | 0. | 0.065 | 0.065 | | 0.144 | | | 17.6 | 16.2 | 0.4 |
| 19 | 8 | 1984 | | 26 | | | | | | | | | | | | 99. | | 8.36 | | 4.12 | 0. | 0. | 0. | | 0.133 | | | 86.1 | 80.7 | 63.8 |
| 19 | 8 | 1984 | | 27 | | | | | | | | | | | | 36.4 | | 8.83 | | 4.85 | 0. | 0. | 0. | | 0.4 | | | 74.7 | 73.8 | 39.1 |
| 19 | 8 | 1984 | | 28 | | | | | | | | | | | | 38.8 | | 9.27 | | 0.07 | 0.002 | 0.035 | 0.036 | | 0.236 | | | 10.4 | 3.2 | 0. |
| 19 | 8 | 1984 | | 29 | | | | | | | | | | | | 13.9 | | 8.86 | | 2.8 | 0. | 0. | 0. | | 0.16 | | | 54. | 45.8 | 8.8 |
| 19 | 8 | 1984 | | 30 | | | | | | | | | | | | 81.7 | | 8.28 | | 2.32 | 0. | 0. | 0. | | 0.034 | | | 27.9 | 24.1 | 22.9 |
| 19 | 8 | 1984 | | 31 | | | | | | | | | | | | 48.1 | | 8.03 | | 0.434 | 0.004 | 0.009 | 0.013 | | 0.042 | | | 0.7 | 0. | 1.1 |
| 19 | 8 | 1984 | | 32 | | | | | | | | | | | | 81.7 | | 8.46 | | 2.99 | 0. | 0. | 0. | | 0.101 | | | 23.5 | 19.4 | 0. |
| 19 | 8 | 1984 | | 33 | | | | | | | | | | | | 85.5 | | 7.78 | | 3.3 | 0. | 0. | 0. | | 0.088 | | | 19.8 | 15.5 | 0. |
| 19 | 8 | 1984 | | 34 | | | | | | | | | | | | 74.1 | | 8.81 | | 0.05 | 0.003 | 0.029 | 0.032 | | 0.253 | | | 19.5 | 14.2 | 0. |
| 19 | 8 | 1984 | | 35 | | | | | | | | | | | | 81.6 | | 9.1 | | 0.073 | 0.007 | 0.01 | 0.017 | | 0.267 | | | 7.2 | 4.2 | 3.8 |
| 19 | 8 | 1984 | | 36 | | | | | | | | | | | | 47.9 | | 8.52 | | 0.075 | 0.001 | 0. | 0.001 | | 0.285 | | | 7.6 | 3. | 0. |
| 19 | 8 | 1984 | | 37 | | | | | | | | | | | | 56.3 | | 8.4 | | 0.062 | 0.004 | 0.01 | 0.014 | | 0.306 | | | 13.5 | 13.2 | 0. |
| 19 | 8 | 1984 | | 38 | | | | | | | | | | | | 49.6 | | 7.97 | | 0. | 0.006 | 0.011 | 0.017 | | 0.216 | | | 9.8 | 7.4 | 0. |

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

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

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

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

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

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

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

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

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

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

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 26 | 11 | 1984 | | 18 | | | | | | | | | | | | | | | | | | | | | | | | 115.3 | 134.7 | 75.5 |
| 26 | 11 | 1984 | | 25 | | | | | | | | | | | | | | | | | | | | | | | | 187.3 | 262.9 | 152.8 |
| 26 | 11 | 1984 | | 26 | | | | | | | | | | | | | | | | | | | | | | | | 140.3 | 200.7 | 104.1 |
| 26 | 11 | 1984 | | 27 | | | | | | | | | | | | | | | | | | | | | | | | 123.1 | 161.7 | 105.4 |
| 26 | 11 | 1984 | | 28 | | | | | | | | 32. | 32. | 30. | 28. | | | | | | | | | | | | | 154.2 | 224.1 | 156.2 |
| 26 | 11 | 1984 | | 29 | | | | | | | | | | | | | | | | | | | | | | | | 113.5 | 159.7 | 88.6 |
| 26 | 11 | 1984 | | 30 | | | | | | | | | | | | | | | | | | | | | | | | 50.9 | 70.1 | 37.5 |
| 26 | 11 | 1984 | | 31 | | | | | | | | | | | | | | | | | | | | | | | | 181. | 242.7 | 121.7 |
| 26 | 11 | 1984 | | 32 | | | | | | | | | | | | | | | | | | | | | | | | 109.3 | 137.1 | 59.7 |
| 26 | 11 | 1984 | | 33 | | | | | | | | | | | | | | | | | | | | | | | | 137.. | 157.7 | 82.1 |
| 26 | 11 | 1984 | | 34 | | | | | | | | | | | | | | | | | | | | | | | | 172.1 | 202.3 | 98.3 |
| 26 | 11 | 1984 | | 35 | | | | | | | | | | | | | | | | | | | | | | | | 133. | 164.6 | 94.1 |
| 26 | 11 | 1984 | | 36 | | | | | | | | | | | | | | | | | | | | | | | | 151. | 165. | 81. |
| 26 | 11 | 1984 | | 37 | | | | | | | | | | | | | | | | | | | | | | | | 123. | 150.8 | 67.4 |
| 26 | 11 | 1984 | | 38 | | | | | | | | | | | | | | | | | | | | | | | | 203.6 | 265.7 | 175. |
| 26 | 11 | 1984 | | 41 | | | | | | | | | | | | | | | | | | | | | | | | 124.2 | 158.3 | 51.3 |
| 26 | 11 | 1984 | | 42 | | | | | | | | 34. | 33. | 28. | 28. | | | | | | | | | | | | | 154.9 | 169.8 | 92.3 |
| 26 | 11 | 1984 | | 50 | | | | | | | | | | | | | | | | | | | | | | | | 12.7 | 16.6 | 12.8 |
| 26 | 11 | 1984 | | 60 | | | | | | | | | | | | | | | | | | | | | | | | 24.3 | 39.5 | 24.3 |
| 3 | 12 | 1984 | | 28 | | | | | | | | 31. | 31. | 28. | 28. | | | | | | | | | | | | | | | |
| 3 | 12 | 1984 | | 42 | | | | | | | | 30. | 30. | 25. | 27. | | | | | | | | | | | | | | | |
| 10 | 12 | 1984 | | 28 | | | | | | | | 30. | 30. | 25. | 27. | | | | | | | | | | | | | | | |
| 10 | 12 | 1984 | | 42 | | | | | | | | 31. | 31. | 25. | 25. | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 1 | | | | | | | | | | | | | | 7.27 | | 0.074 | 0.031 | 0. | 0.031 | | 0.763 | | | 52.2 | 41.5 | 35.7 |
| 11 | 12 | 1984 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 9 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 11 | | | | | | | | | | | | 12.5 | | 7.52 | | 0.159 | 0.024 | 0.026 | 0.05 | | 4.157 | | | 20.1 | 16.3 | 26.4 |
| 11 | 12 | 1984 | | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 15 | | | | | | | | | | | | | | 7.49 | | 0.12 | 0.015 | 0.082 | 0.097 | | 3.393 | | | 52.3 | 41.9 | 30.5 |
| 11 | 12 | 1984 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 17 | | | | | | | | | | | | | | 8.65 | | 0.084 | 0.028 | 0.025 | 0.053 | | 1.781 | | | 37.3 | 32.5 | 24.8 |
| 11 | 12 | 1984 | | 18 | | | | | | | | | | | | | | 8.96 | | 0.093 | 0.002 | 0.047 | 0.049 | | 2.443 | | | 27.7 | 22.6 | 20.6 |
| 11 | 12 | 1984 | | 19 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 24 | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 12 | 1984 | | 25 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 26 | | | | | | | | | | | | | | 8.52 | | 0.277 | 0.022 | 0.041 | 0.063 | | 2.121 | | | 111.6 | 99.8 | 96.9 |
| 11 | 12 | 1984 | | 27 | | | | | | | | | | | | | | 8.7 | | 0.073 | 0.002 | 0.023 | 0.025 | | 2.714 | | | 9.5 | 18.9 | 21. |
| 11 | 12 | 1984 | | 28 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 29 | | | | | | | | | | | | | | 7.69 | | 0.151 | 0.017 | 0.006 | 0.023 | | 0.763 | | | 132. | 108.8 | 101. |
| 11 | 12 | 1984 | | 30 | | | | | | | | | | | | 5. | | 8.13 | | 0.089 | 0.022 | 0.012 | 0.035 | | 2.375 | | | 56.2 | 45.2 | 37. |
| 11 | 12 | 1984 | | 31 | | | | | | | | | | | | | | | | | | | | | | | | 0. | 0. | 0. |
| 11 | 12 | 1984 | | 32 | | | | | | | | | | | | | | 7.87 | | 0.161 | 0. | 0.037 | 0.037 | | 4.835 | | | 24.9 | 21. | 15.5 |
| 11 | 12 | 1984 | | 33 | | | | | | | | | | | | | | 8.58 | | 0.084 | 0.014 | 0.06 | 0.074 | | 1.272 | | | 25. | 20.1 | 21. |
| 11 | 12 | 1984 | | 34 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 35 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 36 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 37 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 38 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 39 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 41 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 12 | 1984 | | 42 | | | | | | | | | | | | | | 7.82 | | 0.109 | 0.017 | 0.039 | 0.055 | | 2.375 | | | 32.5 | 28.9 | 27.6 |
| 11 | 12 | 1984 | | 50 | | | | | | | | | | | | 20.7 | | 7.79 | | 0.201 | 0.044 | 0.054 | 0.099 | | 1.951 | | | 10.2 | 7.9 | 10.3 |
| 11 | 12 | 1984 | | 60 | | | | | | | | | | | | | | 7.57 | | 0.143 | 0.039 | 0.072 | 0.111 | | 2.63 | | | 0.5 | 3.6 | 7.5 |
| 17 | 12 | 1984 | | 5 | | | | | | | | | | | | | | 8.83 | | 0.552 | 0. | 0.033 | 0.033 | | 0.439 | | | | | |
| 17 | 12 | 1984 | | 8 | | | | | | | | | | | | | | 7.68 | | 0.462 | 0.009 | 0.019 | 0.028 | | .703 | | | | | |
| 17 | 12 | 1984 | | 10 | | | | | | | | | | | | | | 9.1 | | 0.739 | 0. | 0.028 | 0.028 | | 0.389 | | | | | |
| 17 | 12 | 1984 | | 25 | | | | | | | | | | | | | | 8.59 | | 0.863 | 0. | 0.034 | 0.034 | | 0.76 | | | | | |
| 17 | 12 | 1984 | | 28 | | | | | | | | | | | | | | 6.72 | | 0.561 | 0.004 | 0.013 | 0.017 | | 0.422 | | | | | |
| 17 | 12 | 1984 | | 31 | | | | | | | | | | | | | | 8.83 | | 0.899 | 0.037 | 0. | 0.037 | | 0.565 | | | | | |
| 17 | 12 | 1984 | | 34 | | | | | | | | | | | | | | 8.65 | | 0.988 | 0. | 0.027 | 0.027 | | 0.633 | | | | | |
| 17 | 12 | 1984 | | 35 | | | | | | | | | | | | | | 9.2 | | 2.224 | 0.011 | 0.024 | 0.035 | | 0.507 | | | | | |
| 17 | 12 | 1984 | | 36 | | | | | | | | | | | | | | 8.98 | | 1.346 | 0.028 | 0.006 | 0.034 | | 0.887 | | | | | |
| 17 | 12 | 1984 | | 37 | | | | | | | | | | | | | | 9.04 | | 0.856 | 0. | 0.021 | 0.021 | | 0.532 | | | | | |
| 17 | 12 | 1984 | | 38 | | | | | | | | | | | | | | 8.57 | | 1.729 | 0. | 0.027 | 0.027 | | 0.777 | | | | | |
| 17 | 12 | 1984 | | 42 | | | | | | | | | | | | | | 8.72 | | 0.798 | 0.009 | 0.02 | 0.029 | | 0.597 | | | | | |
| 17 | 12 | 1984 | | 50 | | | | | | | | | | | | | | 8.85 | | 0.867 | 0.063 | 0. | 0.063 | | 0.008 | | | | | |
| 17 | 12 | 1984 | | 60 | | | | | | | | | | | | | | 7.71 | | 0.361 | 0. | 0.027 | 0.027 | | 0.169 | | | | | |

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 1 | 1985 | | 1 | | | | | | | | | | | | 2.68 | | 8.37 | | 0.19 | 7.19 | 36.48 | | 3.077 | 0.505 | | | 21.3 | 24.3 | 7.4 |
| 31 | 1 | 1985 | | 2 | | | | | | | | | | | | 2.67 | | 8.7 | | 0.06 | 4.31 | 1.113 | | 1.017 | 0. | | | 26.3 | 28.8 | 13.7 |
| 31 | 1 | 1985 | | 4 | | | | | | | | | | | | 2.71 | | 8.69 | | 0.09 | 20.14 | 17.131 | | 0.964 | 0.07 | | | 29.4 | 30.9 | 22. |
| 31 | 1 | 1985 | | 5 | | | | | | | | | | | | 2.81 | | 8.83 | | 0.36 | 12.94 | 23.039 | | 1.418 | 0.06 | | | 76.8 | 76.4 | 83.3 |
| 31 | 1 | 1985 | | 6 | | | | | | | | | | | | 2.74 | | 8.54 | | 0.12 | 12.94 | 5.001 | | 0.975 | 0.015 | | | 17.5 | 17.7 | 20.6 |
| 31 | 1 | 1985 | | 7 | | | | | | | | | | | | 2.63 | | 8.57 | | 0.11 | 21.58 | 1.472 | | 2.133 | 0. | | | 23.6 | 23.3 | 21.6 |
| 31 | 1 | 1985 | | 8 | | | | | | | | | | | | 2.49 | | 8.58 | | 0.2 | 0. | 1.94 | | 1.695 | 0. | | | 17.3 | 17.6 | 7.8 |
| 31 | 1 | 1985 | | 9 | | | | | | | | | | | | 2.55 | | 8.54 | | 0.06 | 0. | 0.895 | | 1.079 | 0. | | | 19.1 | 17.4 | 6.6 |
| 31 | 1 | 1985 | | 10 | | | | | | | | | | | | 2.64 | | 8.64 | | 0.3 | 5.75 | 2.05 | | 0.542 | 0. | | | 58.4 | 61.2 | 38.2 |
| 31 | 1 | 1985 | | 11 | | | | | | | | | | | | 1.44 | | 8.29 | | 0.47 | 1.43 | 2.342 | | 1.679 | 0.287 | | | 13.1 | 14.8 | 7.3 |
| 31 | 1 | 1985 | | 12 | | | | | | | | | | | | 2.65 | | 8.57 | | 0.35 | 10.07 | 12.395 | | 1.721 | 0.237 | | | 18.2 | 16.5 | 9.6 |
| 31 | 1 | 1985 | | 13 | | | | | | | | | | | | 2.8 | | 8.45 | | 0.44 | 12.94 | 4.646 | | 0.771 | 0.363 | | | 6.1 | 8.2 | 0. |
| 31 | 1 | 1985 | | 14 | | | | | | | | | | | | 2.53 | | 8.67 | | 0.13 | 0. | 29.223 | | 1.043 | 0.126 | | | 28.2 | 36.7 | 14.4 |
| 31 | 1 | 1985 | | 15 | | | | | | | | | | | | 1.7 | | 8.34 | | 0.16 | 4.31 | 12.762 | | 1.564 | 0.156 | | | | | |
| 31 | 1 | 1985 | | 16 | | | | | | | | | | | | 1.98 | | 8.47 | | 0.17 | 0. | 2.955 | | 1.246 | 0.075 | | | 19.1 | 23.2 | 0. |
| 31 | 1 | 1985 | | 17 | | | | | | | | | | | | 2.64 | | 8.41 | | 0.69 | 0. | 35.103 | | 1.71 | 0.05 | | | 1.1 | 4.7 | 6.8 |
| 31 | 1 | 1985 | | 18 | | | | | | | | | | | | 2.82 | | 8.47 | | 1.05 | 0. | 21.7 | | 2.18 | 0.439 | | | 5.4 | 4.1 | 9.1 |
| 31 | 1 | 1985 | | 19 | | | | | | | | | | | | 2.18 | | 8.33 | | 0.4 | 0. | 32.238 | | 1.403 | 0.414 | | | 14.6 | 12.4 | 12.2 |
| 31 | 1 | 1985 | | 20 | | | | | | | | | | | | 2.66 | | 8.38 | | 0.07 | 18.7 | 1.119 | | 0.766 | 0.237 | | | 23.5 | 32.8 | 21.7 |
| 31 | 1 | 1985 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | 29.6 | 32.4 | 15.4 |
| 31 | 1 | 1985 | | 21 | | | | | | | | | | | | 2.82 | | 8.86 | | 0.09 | 0. | 5.46 | | 1.022 | 0.101 | | | 29.6 | 32.4 | 15.4 |
| 31 | 1 | 1985 | | 24 | | | | | | | | | | | | | | | | | | | | | | | | 29.3 | 35.4 | 24.7 |
| 31 | 1 | 1985 | | 24 | | | | | | | | | | | | 2.27 | | 8.7 | | 0.07 | 0. | 4.537 | | 1.512 | 0.171 | | | 29.3 | 35.4 | 24.7 |
| 31 | 1 | 1985 | | 25 | | | | | | | | | | | | 2.59 | | 8.54 | | 0.15 | 0. | 14.089 | | 2.222 | 0.358 | | | 15.3 | 15.8 | 10. |
| 31 | 1 | 1985 | | 26 | | | | | | | | | | | | 2.53 | | 8.55 | | 0.08 | 1.43 | 2.193 | | 1.956 | 0.535 | | | 30.1 | 34.8 | 26.4 |
| 31 | 1 | 1985 | | 27 | | | | | | | | | | | | 2.78 | | 8.56 | | 0.1 | 0. | 4.776 | | 1.836 | 0.121 | | | 40.1 | 45.4 | 29. |
| 31 | 1 | 1985 | | 28 | | | | | | | | | | | | 2.8 | | 8.42 | | 0.56 | 4.31 | 12.366 | | 1.804 | 0.459 | | | 11.2 | 9.7 | 6.8 |
| 31 | 1 | 1985 | | 31 | | | | | | | | | | | | 2.81 | | 8.37 | | 0.55 | 33.09 | 27.841 | | 2.545 | 0.898 | | | 2.4 | 3.4 | 9.5 |
| 31 | 1 | 1985 | | 34 | | | | | | | | | | | | 1.81 | | 7.02 | | 0.13 | 21.58 | 1.621 | | 2.268 | 0.53 | | | 30.3 | 39.3 | 27.3 |
| 31 | 1 | 1985 | | 35 | | | | | | | | | | | | 3.1 | | 8.49 | | 0.15 | 5.75 | 7.692 | | 1.841 | 0. | | | 40.1 | 41.1 | 37.6 |
| 31 | 1 | 1985 | | 36 | | | | | | | | | | | | 2.54 | | 8.46 | | 0.06 | 25.8 | 16.824 | | 2.112 | 0.464 | | | 45.7 | 56.7 | 35. |
| 31 | 1 | 1985 | | 37 | | | | | | | | | | | | 2.47 | | 8.1 | | 0.42 | 17.26 | 3.136 | | 0.573 | 0.075 | | | 29.4 | 37.8 | 26.6 |
| 31 | 1 | 1985 | | 38 | | | | | | | | | | | | 2.41 | | 8.46 | | 0.09 | 17.26 | 15.614 | | 1.543 | 0.09 | | | 34.4 | 45.9 | 24.7 |
| 31 | 1 | 1985 | | 39 | | | | | | | | | | | | 3. | | 8.47 | | 0.31 | 5.75 | 24.736 | | 1.94 | 0.53 | | | 8.6 | 12.3 | 17. |
| 31 | 1 | 1985 | | 40 | | | | | | | | | | | | 1.61 | | 8.54 | | 0.11 | 4.31 | 33.202 | | 1.543 | 0.121 | | | 16.1 | 20.8 | 26.7 |
| 31 | 1 | 1985 | | 42 | | | | | | | | | | | | 2.31 | | 8.49 | | 0.16 | 1.43 | 17.745 | | 1.57 | 0.065 | | | 38.7 | 39.4 | 16.4 |
| 31 | 1 | 1985 | | 50 | | | | | | | | | | | | 3.3 | | 8.1 | | 0.04 | 10.07 | 21.252 | | 1.429 | 0.186 | | | 11. | 8.4 | 4.7 |
| 31 | 1 | 1985 | | 60 | | | | | | | | | | | | 3.7 | | 7.64 | | 0.63 | 21.58 | 23.382 | | 1.366 | 0.212 | | | 24.9 | 27.3 | 10. |
| 14 | 2 | 1985 | | 1 | 800 | | | | | | | | | | | 2.94 | | 8.01 | | 0.21 | 0. | 21.044 | | 0.761 | 0.934 | | | 18.1 | 8.7 | 8.7 |
| 14 | 2 | 1985 | | 1 | 2000 | | | | | | | | | | | | | | | 0.21 | 0. | 21.044 | | | 0.761 | | | | | |
| 14 | 2 | 1985 | | 2 | 800 | | | | | | | | | | | 2.9 | | 8.51 | | 0.16 | 0. | 19.014 | | 0.85 | 0.318 | | | 32.8 | 27.6 | 52.2 |
| 14 | 2 | 1985 | | 2 | 2000 | | | | | | | | | | | | | | | 0.81 | 18.7 | 0. | | | 1.358 | | | | | |
| 14 | 2 | 1985 | | 4 | 800 | | | | | | | | | | | 2.7 | | 8.68 | | 0.23 | 0. | 4.387 | | 0.62 | 0.6 | | | 25.0 | 8.8 | 31. |

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

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

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 2 | 1985 | | 29 | 2000 | | | | | | | | | | | | | | | 0.08 | 0. | 1.88 | | | 0.031 | | | | | |
| 14 | 2 | 1985 | | 30 | 800 | | | | | | | | | | | 2.32 | | 8.35 | | 0.24 | 0. | 17.671 | | 1.158 | 0.474 | | | 25.9 | 21.8 | 82.3 |
| 14 | 2 | 1985 | | 31 | 800 | | | | | | | | | | | 2.43 | | 8.64 | | 0.25 | 0. | 11.88 | | 1.225 | 0.616 | | | 99.3 | 115. | 329.3 |
| 14 | 2 | 1985 | | 31 | 2000 | | | | | | | | | | | | | | | 0.06 | 17.26 | 28.181 | | | 1.449 | | | | | |
| 14 | 2 | 1985 | | 32 | 800 | | | | | | | | | | | 2.1 | | 8.36 | | 0.18 | 0. | 4.149 | | 1.038 | 0.883 | | | 25.9 | 15.6 | 45.5 |
| 14 | 2 | 1985 | | 33 | 800 | | | | | | | | | | | 1.33 | | 8.32 | | | | | | 1.147 | 0.636 | | | 34.3 | 2.2 | 27.3 |
| 14 | 2 | 1985 | | 33 | 2000 | | | | | | | | | | | | | | | | | | | | 1.147 | | | | | |
| 14 | 2 | 1985 | | 34 | 800 | | | | | | | | | | | 1.63 | | 8.76 | | 1.05 | 0. | 12.984 | | 1.111 | 0.585 | | | 80.9 | 58. | 92.2 |
| 14 | 2 | 1985 | | 34 | 2000 | | | | | | | | | | | | | | | 0.37 | 0. | 18.805 | | | 1.888 | | | | | |
| 14 | 2 | 1985 | | 35 | 2000 | | | | | | | | | | | | | | | 0.21 | 0. | 0.238 | | | 1.267 | | | | | |
| 14 | 2 | 1985 | | 35 | 800 | | | | | | | | | | | 2.08 | | 8.92 | | 0.3 | 0. | 8.955 | | 1.121 | 0.212 | | | 64.4 | 42.1 | 179. |
| 14 | 2 | 1985 | | 36 | 800 | | | | | | | | | | | 1.69 | | 8.71 | | 0.16 | 1.43 | 3.684 | | 0.792 | 0.666 | | | 74.4 | 46. | 115.8 |
| 14 | 2 | 1985 | | 36 | 2000 | | | | | | | | | | | | | | | 0.14 | 0. | 1.373 | | | 1.883 | | | | | |
| 14 | 2 | 1985 | | 37 | 800 | | | | | | | | | | | 1.98 | | 8.57 | | 0.17 | 0. | 6.984 | | 1.403 | 0.343 | | | 46.4 | 18.9 | 69.9 |
| 14 | 2 | 1985 | | 37 | 2000 | | | | | | | | | | | | | | | 0.01 | 0. | 1.283 | | | 1.555 | | | | | |
| 14 | 2 | 1985 | | 38 | 800 | | | | | | | | | | | 2.31 | | 8.67 | | 0.17 | 0. | 6.984 | | 0.5 | 0.252 | | | 126.6 | 133.4 | 393.8 |
| 14 | 2 | 1985 | | 38 | 2000 | | | | | | | | | | | | | | | 0.08 | 0. | 0.537 | | | 1.181 | | | | | |
| 14 | 2 | 1985 | | 39 | 2000 | | | | | | | | | | | | | | | 0. | 0. | 19.88 | | | 0.277 | | | | | |
| 14 | 2 | 1985 | | 39 | 2000 | | | | | | | | | | | | | | | 0.1 | 0. | 0. | | | 1.111 | | | | | |
| 14 | 2 | 1985 | | 39 | 800 | | | | | | | | | | | 2.02 | | 8.67 | | 0.1 | 0. | 0. | | 1.111 | 0.353 | | | 21.7 | 10.5 | 17. |
| 14 | 2 | 1985 | | 40 | 2000 | | | | | | | | | | | | | | | 0.19 | 0. | 2.298 | | | 0.959 | | | | | |
| 14 | 2 | 1985 | | 40 | 800 | | | | | | | | | | | 2.24 | | 8.78 | | 0.19 | 0. | 2.298 | | 0.959 | 0.303 | | | 10.2 | 5.2 | 14.2 |
| 14 | 2 | 1985 | | 40 | 2000 | | | | | | | | | | | | | | | 0.05 | 0. | 1.88 | | | 0.383 | | | | | |
| 14 | 2 | 1985 | | 41 | 2000 | | | | | | | | | | | | | | | 0.1 | 0. | 8.955 | | | 0.73 | | | | | |
| 14 | 2 | 1985 | | 41 | 800 | | | | | | | | | | | 1.74 | | 8.31 | | 0.1 | 0. | 8.955 | | 0.73 | 0.636 | | | 43.6 | 14.6 | 61.7 |
| 14 | 2 | 1985 | | 42 | 2000 | | | | | | | | | | | | | | | 0.51 | 0. | 13.641 | | | 1.459 | | | | | |
| 14 | 2 | 1985 | | 42 | 800 | | | | | | | | | | | 2.17 | | 8.69 | | 0.37 | 0. | 4.387 | | 1.904 | 0.434 | | | 21.3 | 11.4 | 15. |
| 14 | 2 | 1985 | | 50 | 800 | | | | | | | | | | | 1.72 | | 8.7 | | 0.17 | 0. | 8.537 | | 0.229 | 0.106 | | | 19.7 | 11.5 | 36.3 |
| 14 | 2 | 1985 | | 50 | 2000 | | | | | | | | | | | | | | | 0.04 | 2.87 | 0.713 | | | 0.141 | | | | | |
| 14 | 2 | 1985 | | 50 | 2000 | | | | | | | | | | | | | | | 0.17 | 0. | 8.537 | | | 0.229 | | | | | |
| 14 | 2 | 1985 | | 60 | 2000 | | | | | | | | | | | | | | | 0.73 | 12.94 | 1.218 | | | 0.171 | | | | | |
| 14 | 2 | 1985 | | 60 | 800 | | | | | | | | | | | 2.18 | | 7.52 | | 1.54 | 0. | 2.895 | | 0.975 | 0.126 | | | 44.9 | 12.2 | 34.8 |
| 14 | 2 | 1985 | | 60 | 2000 | | | | | | | | | | | | | | | 1.54 | 0. | 2.895 | | | 0.975 | | | | | |
| 15 | 2 | 1985 | | 1 | | | | | | | | | | | | | | | | 0.21 | 0. | 21.044 | | | 0.761 | | | | | |
| 15 | 2 | 1985 | | 2 | | | | | | | | | | | | | | | | 0.88 | 26.77 | 0. | | | 2.721- | | | | | |
| 15 | 2 | 1985 | | 4 | | | | | | | | | | | | | | | | 0.14 | 24.45 | 0. | | | 4.141 | | | | | |
| 15 | 2 | 1985 | | 5 | | | | | | | | | | | | | | | | 0.09 | 14.38 | 0.096 | | | 0.999 | | | | | |
| 15 | 2 | 1985 | | 6 | | | | | | | | | | | | | | | | 0.04 | 17.26 | 0. | | | 0.752 | | | | | |
| 15 | 2 | 1985 | | 7 | | | | | | | | | | | | | | | | 0.85 | 17.26 | 0. | | | 2.615 | | | | | |
| 15 | 2 | 1985 | | 8 | | | | | | | | | | | | | | | | 0.11 | 23.02 | 1.932 | | | 0.393 | | | | | |
| 15 | 2 | 1985 | | 9 | | | | | | | | | | | | | | | | 0.05 | 14.38 | 0.215 | | | 0.54 | | | | | |
| 15 | 2 | 1985 | | 10 | | | | | | | | | | | | | | | | 0.13 | 12.94 | 2.686 | | | 0.6 | | | | | |
| 15 | 2 | 1985 | | 11 | | | | | | | | | | | | | | | | 0.17 | 0. | 4.358 | | | 1.064 | | | | | |
| 15 | 2 | 1985 | | 12 | | | | | | | | | | | | | | | | 0.3 | 17.26 | 0. | | | 3.105 | | | | | |

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

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

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 2 | 1985 | | 16 | | | | | | | | | | | | | | | | 0.6 | 0. | 1.611 | | | 1.302 | | | | | |
| 16 | 2 | 1985 | | 19 | | | | | | | | | | | | | | | | 0.14 | 0. | 1.761 | | | 0.325 | | | | | |
| 16 | 2 | 1985 | | 20 | | | | | | | | | | | | | | | | 0.27 | 0. | 0.985 | | | 0.21 | | | | | |
| 16 | 2 | 1985 | | 20 | | | | | | | | | | | | | | | | 0.33 | 0. | 3.641 | | | 0.845 | | | | | |
| 16 | 2 | 1985 | | 21 | | | | | | | | | | | | | | | | 0.35 | 0. | 2.149 | | | 1.837 | | | | | |
| 16 | 2 | 1985 | | 24 | | | | | | | | | | | | | | | | 0.69 | 0. | 2.059 | | | 1.176 | | | | | |
| 16 | 2 | 1985 | | 25 | | | | | | | | | | | | | | | | 0.73 | 0. | 2.835 | | | 2.01 | | | | | |
| 16 | 2 | 1985 | | 27 | | | | | | | | | | | | | | | | 0.49 | 2.87 | 6.055 | | | 0.876 | | | | | |
| 16 | 2 | 1985 | | 28 | | | | | | | | | | | | | | | | 0.27 | 0. | 1.791 | | | 2.005 | | | | | |
| 16 | 2 | 1985 | | 29 | | | | | | | | | | | | | | | | 0.08 | 0. | 1.88 | | | 0.031 | | | | | |
| 16 | 2 | 1985 | | 31 | | | | | | | | | | | | | | | | 0.35 | 0. | 0.597 | | | 1.989 | | | | | |
| 16 | 2 | 1985 | | 33 | | | | | | | | | | | | | | | | | | | | | 1.147 | | | | | |
| 16 | 2 | 1985 | | 34 | | | | | | | | | | | | | | | | 0.82 | 0. | 2.447 | | | 2.394 | | | | | |
| 16 | 2 | 1985 | | 35 | | | | | | | | | | | | | | | | 0.32 | 0. | 2.388 | | | 1.438 | | | | | |
| 16 | 2 | 1985 | | 36 | | | | | | | | | | | | | | | | 0.57 | 0. | 1.88 | | | 2.152 | | | | | |
| 16 | 2 | 1985 | | 37 | | | | | | | | | | | | | | | | 0.32 | 0. | 1.522 | | | 1.884 | | | | | |
| 16 | 2 | 1985 | | 38 | | | | | | | | | | | | | | | | 0.71 | 0. | 2.059 | | | 1.638 | | | | | |
| 16 | 2 | 1985 | | 39 | | | | | | | | | | | | | | | | 0.1 | 0. | 0. | | | 1.111 | | | | | |
| 16 | 2 | 1985 | | 39 | | | | | | | | | | | | | | | | 0.3 | 0. | 3.014 | | | 0.367 | | | | | |
| 16 | 2 | 1985 | | 40 | | | | | | | | | | | | | | | | 0.19 | 0. | 2.298 | | | 0.959 | | | | | |
| 16 | 2 | 1985 | | 40 | | | | | | | | | | | | | | | | 0.19 | 0. | 2.238 | | | 0.43 | | | | | |
| 16 | 2 | 1985 | | 41 | | | | | | | | | | | | | | | | 0.1 | 0. | 8.955 | | | 0.73 | | | | | |
| 16 | 2 | 1985 | | 42 | | | | | | | | | | | | | | | | 0.5 | 0. | 2.656 | | | 1.38 | | | | | |
| 16 | 2 | 1985 | | 50 | | | | | | | | | | | | | | | | 0.15 | 0. | 2.069 | | | 0.183 | | | | | |
| 16 | 2 | 1985 | | 60 | | | | | | | | | | | | | | | | 1.44 | 0. | 2.716 | | | 0.152 | | | | | |
| 17 | 2 | 1985 | | 2 | | | | | | | | | | | | | | | | 0.3 | 0. | 5.611 | | | 0.646 | | | | | |
| 17 | 2 | 1985 | | 4 | | | | | | | | | | | | | | | | 0.42 | 0. | 3.283 | | | 1.191 | | | | | |
| 17 | 2 | 1985 | | 5 | | | | | | | | | | | | | | | | 0.21 | 0. | 1.044 | | | 0.621 | | | | | |
| 17 | 2 | 1985 | | 6 | | | | | | | | | | | | | | | | 0.2 | 0. | 1.522 | | | 0.378 | | | | | |
| 17 | 2 | 1985 | | 7 | | | | | | | | | | | | | | | | 0.29 | 0. | 1.671 | | | 1.565 | | | | | |
| 17 | 2 | 1985 | | 8 | | | | | | | | | | | | | | | | 0.14 | 0. | 1.253 | | | 0.277 | | | | | |
| 17 | 2 | 1985 | | 9 | | | | | | | | | | | | | | | | 0.12 | 0. | 2.686 | | | 0.505 | | | | | |
| 17 | 2 | 1985 | | 10 | | | | | | | | | | | | | | | | 0.17 | 0. | 1.313 | | | 0.565 | | | | | |
| 17 | 2 | 1985 | | 12 | | | | | | | | | | | | | | | | 0.23 | 0. | 1.104 | | | 1.727 | | | | | |
| 17 | 2 | 1985 | | 13 | | | | | | | | | | | | | | | | 0.22 | 0. | 1.343 | | | 1.742 | | | | | |
| 17 | 2 | 1985 | | 14 | | | | | | | | | | | | | | | | 0.5 | 0. | 1.552 | | | 1.722 | | | | | |
| 17 | 2 | 1985 | | 16 | | | | | | | | | | | | | | | | 0.36 | 0. | 0.865 | | | 0.994 | | | | | |
| 17 | 2 | 1985 | | 19 | | | | | | | | | | | | | | | | 0.24 | 0. | 1.402 | | | 0.52 | | | | | |
| 17 | 2 | 1985 | | 20 | | | | | | | | | | | | | | | | 0.22 | 0. | 1.432 | | | 0.262 | | | | | |
| 17 | 2 | 1985 | | 21 | | | | | | | | | | | | | | | | 0.2 | 0. | 1.164 | | | 1.883 | | | | | |
| 17 | 2 | 1985 | | 24 | | | | | | | | | | | | | | | | 0.43 | 0. | 1.791 | | | 1.015 | | | | | |
| 17 | 2 | 1985 | | 25 | | | | | | | | | | | | | | | | 0.3 | 0. | 1.164 | | | 1.368 | | | | | |
| 17 | 2 | 1985 | | 28 | | | | | | | | | | | | | | | | 0.19 | 0. | 1.194 | | | 2.014 | | | | | |
| 17 | 2 | 1985 | | 31 | | | | | | | | | | | | | | | | 0.17 | 0. | 0.895 | | | 7.421 | | | | | |

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

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

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 2 | 1985 | | 9 | | | | | | | | | | | | | | | | | | | | | | | | 17.49 | 0.7526 | 0. |
| 28 | 2 | 1985 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | 6.146 | 0.9962 | 16.59 |
| 28 | 2 | 1985 | | 12 | | | | | | | | | | | | | | | | | | | | | | | | 8.868 | 0. | 0. |
| 28 | 2 | 1985 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | 5.228 | 0. | 0.812 |
| 28 | 2 | 1985 | | 14 | | | | | | | | | | | | | | | | | | | | | | | | 3.848 | 0. | 0.776 |
| 28 | 2 | 1985 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | 3.354 | 0. | 31.96 |
| 28 | 2 | 1985 | | 19 | | | | | | | | | | | | | | | | | | | | | | | | 4.062 | 13.45 | 37.46 |
| 28 | 2 | 1985 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | 34.45 | 16.51 | 10.6 |
| 28 | 2 | 1985 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | 9.786 | 0.4308 | 0.5724 |
| 28 | 2 | 1985 | | 24 | | | | | | | | | | | | | | | | | | | | | | | | 6.996 | 0. | 0.9786 |
| 28 | 2 | 1985 | | 25 | | | | | | | | | | | | | | | | | | | | | | | | 8.938 | 0.8904 | 3.462 |
| 28 | 2 | 1985 | | 28 | | | | | | | | | | | | | | | | | | | | | | | | 24.91 | 46.36 | 35.91 |
| 28 | 2 | 1985 | | 31 | | | | | | | | | | | | | | | | | | | | | | | | 8.268 | 18.38 | 7.42 |
| 28 | 2 | 1985 | | 34 | | | | | | | | | | | | | | | | | | | | | | | | 3.812 | 0.4876 | 40.13 |
| 28 | 2 | 1985 | | 36 | | | | | | | | | | | | | | | | | | | | | | | | 5.476 | 25.73 | 20.95 |
| 28 | 2 | 1985 | | 37 | | | | | | | | | | | | | | | | | | | | | | | | 6.148 | 14.5 | 0.0206 |
| 28 | 2 | 1985 | | 38 | | | | | | | | | | | | | | | | | | | | | | | | 5.724 | 5.353 | 8.497 |
| 28 | 2 | 1985 | | 39 | | | | | | | | | | | | | | | | | | | | | | | | 4.592 | 20.28 | 42.3 |
| 28 | 2 | 1985 | | 42 | | | | | | | | | | | | | | | | | | | | | | | | 7.738 | 24.77 | 2.684 |
| 28 | 2 | 1985 | | 50 | | | | | | | | | | | | | | | | | | | | | | | | 8.796 | 1.605 | 12.74 |
| 28 | 2 | 1985 | | 60 | | | | | | | | | | | | | | | | | | | | | | | | 29.15 | 6.992 | 21.2 |
| 4 | 3 | 1985 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 6.146 | 3.706 | 3.193 |
| 4 | 3 | 1985 | | 2 | | | | | | | | | | | | | | | | | | | | | | | | 1.094 | 42.2 | 5.245 |
| 4 | 3 | 1985 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | 4.802 | 2.101 | 29.48 |
| 4 | 3 | 1985 | | 5 | | | | | | | | | | | | | | | | | | | | | | | | 5.406 | 0.1128 | 0.7204 |
| 4 | 3 | 1985 | | 6 | | | | | | | | | | | | | | | | | | | | | | | | 5.582 | 30.82 | 40.82 |
| 4 | 3 | 1985 | | 7 | | | | | | | | 31. | 30. | 24. | 24. | | | | | | | | | | | | | 8.302 | 37.82 | 88. |
| 4 | 3 | 1985 | | 8 | | | | | | | | | | | | | | | | | | | | | | | | 7.698 | 5.033 | 36.54 |
| 4 | 3 | 1985 | | 9 | | | | | | | | | | | | | | | | | | | | | | | | 3.108 | 0.3846 | 20.04 |
| 4 | 3 | 1985 | | 10 | | | | | | | | | | | | | | | | | | | | | | | | 3.426 | 41.73 | 29.27 |
| 4 | 3 | 1985 | | 11 | | | | | | | | | | | | | | | | | | | | | | | | 4.734 | 25.55 | 5.043 |
| 4 | 3 | 1985 | | 12 | | | | | | | | | | | | | | | | | | | | | | | | 9.328 | 21.22 | 0.782 |
| 4 | 3 | 1985 | | 13 | | | | | | | | | | | | | | | | | | | | | | | | 0.916 | 0.0242 | 1.16 |
| 4 | 3 | 1985 | | 14 | | | | | | | | | | | | | | | | | | | | | | | | 6.324 | 32.61 | 1.465 |
| 4 | 3 | 1985 | | 15 | | | | | | | | | | | | | | | | | | | | | | | | 4.944 | 91.45 | 5.754 |
| 4 | 3 | 1985 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | 8.798 | 13.86 | 0.957 |
| 4 | 3 | 1985 | | 17 | | | | | | | | | | | | | | | | | | | | | | | | 5.688 | 1.376 | 1.162 |
| 4 | 3 | 1985 | | 18 | | | | | | | | | | | | | | | | | | | | | | | | 4.662 | 35.94 | 3.191 |
| 4 | 3 | 1985 | | 19 | | | | | | | | | | | | | | | | | | | | | | | | 8.126 | 31.73 | 0.974 |
| 4 | 3 | 1985 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | 4.628 | 37.88 | 3.351 |
| 4 | 3 | 1985 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | 9.222 | 3.144 | 0.248 |
| 4 | 3 | 1985 | | 24 | | | | | | | | | | | | | | | | | | | | | | | | 9.01 | 12.86 | 2.625 |
| 4 | 3 | 1985 | | 25 | | | | | | | | | | | | | | | | | | | | | | | | 6.534 | 10.14 | 1.351 |
| 4 | 3 | 1985 | | 26 | | | | | | | | | | | | | | | | | | | | | | | | 9.116 | 23.82 | 1.177 |

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

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

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

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

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

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

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

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

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

| DAY | MO. | YEAR | EXTRA DATA? | POND# | DO TIME | DO @ TOP | DO @ MID | DO @ BOTTOM | WATER TEMP @ TOP | WATER TEMP @ MID | WATER TEMP @ BOTTOM | WATER TEMP @ TOP-MAX | WATER TEMP @ BOT-MAX | WATER TEMP @ TOP-MIN | WATER TEMP @ BOT-MIN | ALKA. | HARD. | pH | KJELDAHL N | NH3-N | NO2-N | NO3-N | TOTAL NO2 & NO3-N | TOTAL P | ORTHO PO4-P | SECHII DISK A | SECHII DISK B | CHLOR-OPHYLL A | CHLOR-OPHYLL B | CHLOR-OPHYLL C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 4 | 1985 | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | 4 | 1985 | | 17 | | | | | | | | | | | | | | | | | | | | | | | | 74.59 | 9.133 | 2.335 |
| 29 | 4 | 1985 | | 18 | | | | | | | | | | | | | | | | | | | | | | | | 62.56 | 20.79 | 1.985 |
| 29 | 4 | 1985 | | 19 | | | | | | | | | | | | | | | | | | | | | | | | 1.215 | 13.48 | 2.39 |
| 29 | 4 | 1985 | | 20 | | | | | | | | | | | | | | | | | | | | | | | | 15.76 | 0.8972 | 0.227 |
| 29 | 4 | 1985 | | 21 | | | | | | | | | | | | | | | | | | | | | | | | 55.67 | 0.051 | 1.462 |
| 29 | 4 | 1985 | | 24 | | | | | | | | | | | | | | | | | | | | | | | | 33.04 | 9.222 | 0.392 |
| 29 | 4 | 1985 | | 25 | | | | | | | | | | | | | | | | | | | | | | | | 1.075 | 1.995 | 0.9 |
| 29 | 4 | 1985 | | 26 | | | | | | | | | | | | | | | | | | | | | | | | 8.355 | 7.897 | 0.682 |
| 29 | 4 | 1985 | | 27 | | | | | | | | | | | | | | | | | | | | | | | | 28.62 | 0.2822 | 1.222 |
| 29 | 4 | 1985 | | 28 | | | | | | | | | | | | | | | | | | | | | | | | 5.457 | 12.72 | 0.98 |
| 29 | 4 | 1985 | | 29 | | | | | | | | | | | | | | | | | | | | | | | | 47.66 | 2.667 | 1.06 |
| 29 | 4 | 1985 | | 30 | | | | | | | | | | | | | | | | | | | | | | | | 25.46 | 6.042 | 1.28 |
| 29 | 4 | 1985 | | 31 | | | | | | | | | | | | | | | | | | | | | | | | 5.934 | 9.752 | 1.31 |
| 29 | 4 | 1985 | | 32 | | | | | | | | | | | | | | | | | | | | | | | | 6.746 | 8.762 | 0.262 |
| 29 | 4 | 1985 | | 33 | | | | | | | | | | | | | | | | | | | | | | | | 6.447 | 0.8442 | 1.052 |
| 29 | 4 | 1985 | | 34 | | | | | | | | | | | | | | | | | | | | | | | | 3.833 | 5.989 | 1.04 |
| 29 | 4 | 1985 | | 35 | | | | | | | | | | | | | | | | | | | | | | | | 45.17 | 22.86 | 0.807 |
| 29 | 4 | 1985 | | 36 | | | | | | | | | | | | | | | | | | | | | | | | 32.29 | 10.62 | 0.842 |
| 29 | 4 | 1985 | | 37 | | | | | | | | | | | | | | | | | | | | | | | | 47.98 | 1.554 | 1.64 |
| 29 | 4 | 1985 | | 38 | | | | | | | | | | | | | | | | | | | | | | | | 4.855 | 15.28 | 2.165 |
| 29 | 4 | 1985 | | 39 | | | | | | | | | | | | | | | | | | | | | | | | 9.042 | 29.85 | 1.845 |
| 29 | 4 | 1985 | | 40 | | | | | | | | | | | | | | | | | | | | | | | | 16.23 | 2.597 | 0.377 |
| 29 | 4 | 1985 | | 41 | | | | | | | | | | | | | | | | | | | | | | | | 4.927 | 0.0172 | 1.462 |
| 29 | 4 | 1985 | | 42 | | | | | | | | | | | | | | | | | | | | | | | | 6.199 | 10.4 | 0.982 |
| 29 | 4 | 1985 | | 50 | | | | | | | | | | | | | | | | | | | | | | | | 1.781 | 12.84 | 1.792 |
| 29 | 4 | 1985 | | 60 | | | | | | | | | | | | | | | | | | | | | | | | 0.087 | 2.491 | 0.38 |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20.17 | 4.611 | 1.36 |

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

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

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

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

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

| DAY | MONTH | YEAR | D.O. TIME | POND# | DO-TOP | DO-MID | DO-BOT | WATER TEMP TOP | WATER TEMP MID | WATER TEMP BOT | PH |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3 | 1985 | 600 | 21 | 3.8 | | | 23. | | | 8.91 |
| 1 | 3 | 1985 | 0 | 21 | | | | | | | 9.33 |
| 1 | 3 | 1985 | 200 | 21 | | | | | | | |
| 1 | 3 | 1985 | 200 | 25 | 3.9 | | | 23.5 | | | |
| 1 | 3 | 1985 | 600 | 25 | 3.6 | | | 22.5 | | | 8.74 |
| 1 | 3 | 1985 | 0 | 25 | | | | | | | 9.19 |
| 1 | 3 | 1985 | 200 | 28 | 4. | | | 23.5 | | | |
| 1 | 3 | 1985 | 600 | 28 | 3.8 | | | 23.5 | | | 8.93 |
| 1 | 3 | 1985 | 0 | 28 | | | | | | | 9.05 |
| 1 | 3 | 1985 | 0 | 34 | | | | | | | 9.18 |
| 1 | 3 | 1985 | 200 | 34 | 4. | | | 23. | | | |
| 1 | 3 | 1985 | 600 | 34 | 4. | | | 23.5 | | | 8.91 |
| 1 | 3 | 1985 | 0 | 35 | | | | | | | 9.03 |
| 1 | 3 | 1985 | 200 | 35 | 4. | | | 23. | | | |
| 1 | 3 | 1985 | 600 | 35 | 3.9 | | | 24. | | | 8.81 |
| 1 | 3 | 1995 | 0 | 37 | | | | | | | 9.1 |
| 1 | 3 | 1985 | 600 | 37 | 3. | | | 24. | | | 8.89 |
| 1 | 3 | 1985 | 200 | 37 | 4.4 | | | 23.5 | | | |
| 1 | 3 | 1985 | 0 | 42 | | | | | | | 8.93 |
| 1 | 3 | 1985 | 600 | 42 | 3.6 | | | 24. | | | 8.76 |
| 1 | 3 | 1985 | 200 | 42 | | | | | | | |
| 28 | 3 | 1985 | 2200 | 4 | 5. | | | 25. | | | |
| 28 | 3 | 1985 | 600 | 4 | 3.3 | | | 24. | | | |
| 28 | 3 | 1985 | 1400 | 4 | 8.5 | | | 28. | | | |
| 28 | 3 | 1985 | 0 | 4 | | | | | | | 8.7 |
| 28 | 3 | 1985 | 1000 | 4 | 5.6 | | | 25.5 | | | |
| 28 | 3 | 1985 | 1800 | 4 | 7.4 | | | 27. | | | 8.58 |
| 28 | 3 | 1985 | 200 | 4 | 5.2 | | | 24. | | | |
| 28 | 3 | 1985 | 1200 | 4 | | | | | | | |
| 28 | 3 | 1985 | 600 | 4 | 3.4 | | | 23.5 | | | 8.26 |
| 28 | 3 | 1985 | 2200 | 7 | 5. | | | 25. | | | |
| 28 | 3 | 1985 | 600 | 7 | 3.6 | | | 24. | | | |
| 28 | 3 | 1985 | 1400 | 7 | 10.6 | | | 28.5 | | | |
| 28 | 3 | 1985 | 0 | 7 | | | | | | | 8.69 |
| 28 | 3 | 1985 | 1000 | 7 | 4.5 | | | 25.5 | | | |
| 28 | 3 | 1985 | 1800 | 7 | 7.2 | | | 28. | | | 8.59 |
| 28 | 3 | 1985 | 200 | 7 | 5.2 | | | 24. | | | |
| 28 | 3 | 1985 | 1200 | 7 | | | | | | | |
| 28 | 3 | 1985 | 600 | 7 | 3.1 | | | 24. | | | 8.34 |
| 28 | 3 | 1985 | 600 | 13 | 4.1 | | | 24. | | | |
| 28 | 3 | 1985 | 1400 | 13 | 10.2 | | | 28. | | | |
| 28 | 3 | 1985 | 0 | 13 | | | | | | | 8.72 |
| 28 | 3 | 1985 | 1000 | 13 | 6.9 | | | 25.5 | | | |
| 28 | 3 | 1985 | 1800 | 13 | 9.2 | | | 28. | | | 8.75 |

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

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

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

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

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

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

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

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

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

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

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

| DAY | MONTH | YEAR | POND | ACTIVITY | SPECIES | POP. WEIGHT | POP. NUMBER | SAMPLE WEIGHT | SAMPLE WT.-# | SAMPLE WT.-SD | SAMPLE LENGTH | SAMPLE LT.-# | SAMPLE LT.-SD | REPROD. WEIGHT | REPROD. NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 1 | 1985 | 4 | STK | VAN | 1.65 | 2364 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 7 | STK | VAN | 1.69 | 2408 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 13 | STK | VAN | 1.75 | 2496 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 14 | STK | VAN | 1.59 | 2276 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 16 | STK | VAN | 2.01 | 2867 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 21 | STK | VAN | 1.72 | 2456 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 25 | STK | VAN | 1.55 | 2220 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 28 | STK | VAN | 1.63 | 2324 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 34 | STK | VAN | 1.66 | 2372 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 35 | STK | VAN | 1.59 | 2268 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 37 | STK | VAN | 1.64 | 2336 | 0.7 | 50 | | | 50 | | | |
| 30 | 1 | 1985 | 42 | STK | VAN | 1.69 | 2416 | 0.7 | 50 | | | 50 | | | |
| 13 | 2 | 1985 | 4 | SAM | VAN | 2.49 | 2128 | 1.2 | 15 | | 5. | 15 | | | |
| 13 | 2 | 1985 | 7 | SAM | VAN | 5.74 | 2167 | 2.6 | 20 | | 7.9 | 20 | | | |
| 13 | 2 | 1985 | 13 | SAM | VAN | 3.05 | 2246 | 1.4 | 20 | | 5.7 | 20 | | | |
| 13 | 2 | 1985 | 14 | SAM | VAN | 1.62 | 2048 | 0.8 | 20 | | 4.9 | 20 | | | |
| 13 | 2 | 1985 | 16 | SAM | VAN | 5.93 | 2580 | 2.3 | 20 | | 6.8 | 20 | | | |
| 13 | 2 | 1985 | 21 | SAM | VAN | 1.86 | 2210 | 0.8 | 20 | | 5.6 | 20 | | | |
| 13 | 2 | 1985 | 25 | SAM | VAN | 4.34 | 1998 | 2.2 | 20 | | 6.8 | 20 | | | |
| 13 | 2 | 1985 | 28 | SAM | VAN | 4.9 | 2092 | 2.3 | 20 | | 7.4 | 20 | | | |
| 13 | 2 | 1985 | 34 | SAM | VAN | 3.03 | 2135 | 1.4 | 20 | | 3.2 | 20 | | | |
| 13 | 2 | 1985 | 35 | SAM | VAN | 2.71 | 2041 | 1.3 | 20 | | 6.2 | 20 | | | |
| 13 | 2 | 1985 | 37 | SAM | VAN | 4.23 | 2102 | 2. | 20 | | 5.6 | 20 | | | |
| 13 | 2 | 1985 | 42 | SAM | VAN | 3.54 | 2174 | 1.6 | 20 | | 5.7 | 20 | | | |
| 27 | 2 | 1985 | 4 | SAM | VAN | 8.09 | 2128 | 3.8 | 14 | | 7.6 | 14 | | | |
| 27 | 2 | 1985 | 7 | SAM | VAN | 8.47 | 2167 | 3.9 | 14 | | 8.1 | 14 | | | |
| 27 | 2 | 1985 | 13 | SAM | VAN | 7.03 | 2246 | 3.1 | 14 | | 7.3 | 14 | | | |
| 27 | 2 | 1985 | 14 | SAM | VAN | 6.7 | 2048 | 3.3 | 14 | | 8.9 | 14 | | | |
| 27 | 2 | 1985 | 16 | SAM | VAN | 6.42 | 2580 | 2.5 | 14 | | 7.2 | 14 | | | |
| 27 | 2 | 1985 | 21 | SAM | VAN | 8.93 | 2210 | 4. | 14 | | 8.1 | 14 | | | |
| 27 | 2 | 1985 | 25 | SAM | VAN | 8.07 | 1998 | 4. | 14 | | 7.9 | 14 | | | |
| 27 | 2 | 1985 | 28 | SAM | VAN | 10.15 | 2092 | 4.8 | 14 | | 8.8 | 14 | | | |
| 27 | 2 | 1985 | 34 | SAM | VAN | 8.09 | 2135 | 3.8 | 14 | | 7.5 | 14 | | | |
| 27 | 2 | 1985 | 35 | SAM | VAN | 6.61 | 2041 | 3.2 | 14 | | 7.6 | 14 | | | |
| 27 | 2 | 1985 | 37 | SAM | VAN | 7.69 | 2102 | 3.7 | 14 | | 7.3 | 14 | | | |
| 27 | 2 | 1985 | 42 | SAM | VAN | 8.4 | 2174 | 3.9 | 14 | | 7.8 | 14 | | | |
| 13 | 3 | 1985 | 4 | SAM | VAN | 9.65 | 1892 | 5.1 | 15 | | 8.3 | 15 | | | |
| 13 | 3 | 1985 | 7 | SAM | VAN | 11. | 1926 | 5.7 | 15 | | 8.5 | 15 | | | |
| 13 | 3 | 1985 | 13 | SAM | VAN | 6.39 | 1996 | 3.2 | 15 | | 6.9 | 15 | | | |
| 13 | 3 | 1985 | 14 | SAM | VAN | 7.46 | 1820 | 4.1 | 15 | | 8. | 15 | | | |
| 13 | 3 | 1985 | 16 | SAM | VAN | 10.78 | 2293 | 4.7 | 15 | | 8.6 | 15 | | | |
| 13 | 3 | 1985 | 21 | SAM | VAN | 11. | 1954 | 5.6 | 15 | | 9.2 | 15 | | | |
| 13 | 3 | 1985 | 25 | SAM | VAN | 11.2 | 1776 | 6.3 | 15 | | 9.3 | 15 | | | |
| 13 | 3 | 1985 | 28 | SAM | VAN | 13.8 | 1860 | 7.4 | 15 | | 9.8 | 15 | | | |

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

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

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

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

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

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

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

| DAY | MONTH | YEAR | POND# | ALKALIN | HARDNESS | PH | NH3-N | NO2-N | NO3-N | NO2&3-N | TOTAL-P | ORTHO-P | CL- | SALT | SO4 | BORON | CALCIUM | COPPER | IRON | MAGNESIU | POTASSIU | SODIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 12 | 1984 | 1 | | | | | | | | 0.13 | | 6600. | | | 0.23 | 125. | 0.02 | 3.3 | 387. | 116. | 3300. | 0.02 |
| 11 | 12 | 1984 | 5 | | | | | | | | 0.18 | | 9600. | | | 0.25 | 197. | 0.03 | 0.5 | 520. | 193. | 5400. | 0.04 |
| 11 | 12 | 1984 | 8 | | | | | | | | 0.13 | | 8700. | | | 0.33 | 208. | 0.06 | 4.81 | 529. | 187. | 5700. | 0.05 |
| 11 | 12 | 1984 | 10 | | | | | | | | 0.15 | | 9400. | | | 0.34 | 177. | 0.03 | 1.11 | 508. | 160. | 4800. | 0.03 |
| 11 | 12 | 1984 | 11 | | | | | | | | 0.18 | | 7600. | | | 0.19 | 150. | 0.03 | 0.93 | 443. | 140. | 4000. | 0.02 |
| 11 | 12 | 1984 | 15 | | | | | | | | 0.11 | | 8200. | | | 0.31 | 150. | 0.05 | 5.29 | 464. | 144. | 4100. | 0.03 |
| 11 | 12 | 1984 | 17 | | | | | | | | 0.08 | | 7700. | | | 0.31 | 142. | 0.02 | 0.65 | 423. | 137. | 3800. | 0.02 |
| 11 | 12 | 1984 | 18 | | | | | | | | 0.05 | | 7100. | | | 0.25 | 130. | 0.03 | 0.75 | 387. | 115. | 3600. | 0.03 |
| 11 | 12 | 1984 | 25 | | | | | | | | 0.23 | | 10100. | | | 0.7 | 200. | 0.04 | 0.77 | 529. | 204. | 5500. | 0.03 |
| 11 | 12 | 1984 | 26 | | | | | | | | 0.12 | | 6900. | | | 0.09 | 134. | 0.02 | 0.47 | 399. | 125. | 3600. | 0.03 |
| 11 | 12 | 1984 | 27 | | | | | | | | 0.06 | | 7700. | | | 0.33 | 141. | 0.03 | 0.53 | 423. | 135. | 3700. | 0.01 |
| 11 | 12 | 1984 | 28 | | | | | | | | 0.18 | | 9300. | | | 0.29 | 162. | 0.04 | 0.76 | 480. | 159. | 4400. | 0.04 |
| 11 | 12 | 1984 | 29 | | | | | | | | 0.13 | | 6100. | | | 0.29 | 124. | 0.02 | 1.45 | 387. | 112. | 3300. | 0.03 |
| 11 | 12 | 1984 | 30 | | | | | | | | 0.15 | | 7000. | | | 0.27 | 127. | 0.02 | 0.58 | 381. | 114. | 3400. | 0.04 |
| 11 | 12 | 1984 | 31 | | | | | | | | 0.19 | | 11000. | | | | 219. | 0.03 | 0.15 | 545. | 222. | 6100. | 0.02 |
| 11 | 12 | 1984 | 32 | | | | | | | | 0.17 | | 7100. | | | 0.27 | 141. | 0.02 | 0.86 | 423. | 135. | 3900. | 0.04 |
| 11 | 12 | 1984 | 33 | | | | | | | | 0.08 | | 6600. | | | 0.17 | 142. | 0.02 | 0.69 | 412. | 127. | 3800. | 0.02 |
| 11 | 12 | 1984 | 34 | | | | | | | | 0.19 | | 9200. | | | 0.13 | 195. | 0.03 | 0.8 | 519. | 185. | 5400. | 0.03 |
| 11 | 12 | 1984 | 35 | | | | | | | | 0.27 | | 10600. | | | 0.29 | 189. | 0.03 | 0.68 | 519. | 190. | 5300. | 0.05 |
| 11 | 12 | 1984 | 36 | | | | | | | | 0.3 | | 10000. | | | 0.38 | 192. | 0.04 | 0.56 | 516. | 188. | 5200. | 0.02 |
| 11 | 12 | 1984 | 37 | | | | | | | | 0.16 | | 10500. | | | 0.03 | 201. | 0.04 | 0.62 | 529. | 201. | 5500. | 0.02 |
| 11 | 12 | 1984 | 38 | | | | | | | | 0.29 | | 9900. | | | | 202. | 0.02 | 0.47 | 527. | 203. | 5500. | 0.05 |
| 11 | 12 | 1984 | 41 | | | | | | | | 0.16 | | 6300. | | | 0.23 | 118. | 0.03 | 1.94 | 358. | 104. | 3000. | 0.04 |
| 11 | 12 | 1984 | 42 | | | | | | | | 0.17 | | 10100. | | | | 201. | 0.03 | 0.13 | 529. | 199. | 5500. | 0.02 |
| 11 | 12 | 1984 | 50 | | | | | | | | 0.04 | | 29500. | | | 0.22 | 211. | 0.05 | 1.05 | 540. | 212. | 5800. | 0.03 |
| 11 | 12 | 1984 | 60 | | | | | | | | | | 11900. | | | | 242. | 0.05 | 0.88 | 565. | 229. | 6800. | 0.04 |
| 11 | 12 | 1984 | 70 | | | | | | | | 0.05 | | 9700. | | | 0.18 | 211. | 0.04 | 2.52 | 538. | 208. | 6100. | 0.04 |

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

| DAY | MONTH | YEAR | POND# | ALKALIN | HARDNESS | PH | NH3-N | NO2-N | NO3-N | NO2&3-N | TOTAL-P | ORTHO-P | CL- | SALT | SO4 | BORON | CALCIUM | COPPER | IRON | MAGNESIU | POTASSIU | SODIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 1 | 1985 | 4 | | | | | | | | 0.16 | | | | | 0.12 | 534. | 0.06 | 0.32 | 630. | 573. | 15800. | 0.07 |
| 30 | 1 | 1985 | 7 | | | | | | | | | | | | | 0. | 531. | 0.07 | 0.3 | 627. | 575. | 15600. | 0.06 |
| 30 | 1 | 1985 | 13 | | | | | | | | 0.1 | | | | | 0. | 468. | 0.06 | 0.48 | 616. | 503. | 14000. | 0.07 |
| 30 | 1 | 1985 | 14 | | | | | | | | 0.16 | | | | | 0. | 403. | 0.05 | 0.22 | 602. | 431. | 12000. | 0.06 |
| 30 | 1 | 1985 | 16 | | | | | | | | 0.1 | | | | | 0.06 | 489. | 0.06 | 0.34 | 621. | 518. | 14300. | 0.07 |
| 30 | 1 | 1985 | 21 | | | | | | | | 0.1 | | | | | 0.04 | 521. | 0.06 | 0.54 | 623. | 532. | 14900. | 0.07 |
| 30 | 1 | 1985 | 25 | | | | | | | | 0.23 | | | | | 0.06 | 504. | 0.07 | 0.34 | 626. | 540. | 15100. | 0.06 |
| 30 | 1 | 1985 | 28 | | | | | | | | 0.15 | | | | | 0.15 | 492. | 0.06 | 0.35 | 622. | 532. | 14600. | 0.07 |
| 30 | 1 | 1985 | 34 | | | | | | | | 0.21 | | | | | 0. | 455. | 0.06 | 0.29 | 611. | 472. | 13300. | 0.06 |
| 30 | 1 | 1985 | 35 | | | | | | | | 0.26 | | | | | 0.12 | 474. | 0.05 | 0.24 | 615. | 496. | 13600. | 0.07 |
| 30 | 1 | 1985 | 37 | | | | | | | | 0.16 | | | | | 0.04 | 476. | 0.06 | 0.61 | 618. | 514. | 14200. | 0.07 |
| 30 | 1 | 1985 | 42 | | | | | | | | 0.11 | | | | | 0.12 | 432. | 0.06 | 0.47 | 606. | 463. | 13000. | 0.06 |
| 30 | 1 | 1985 | 60 | | | | | | | | 0.08 | | | | | 0. | 483. | 0.06 | 0.29 | 623. | 543. | 14700. | 0.07 |
| 30 | 4 | 1985 | 1 | | | | | | | | 0.28 | | | | | 0.23 | 853. | 0.09 | 0.59 | 676. | 844. | 23500. | 0.1 |
| 30 | 4 | 1985 | 2 | | | | | | | | 0.2 | | | | | 0. | 706. | 0.11 | 0.73 | 689. | 741. | 18000. | 0.07 |
| 30 | 4 | 1985 | 4 | | | | | | | | 0.19 | | | | | 0.81 | 784. | 0.12 | 0.61 | 666. | 821. | 21900. | 0.09 |
| 30 | 4 | 1985 | 5 | | | | | | | | 0.35 | | | | | 0.36 | 760. | 0.1 | 0.49 | 663. | 799. | 21300. | 0.08 |
| 30 | 4 | 1985 | 6 | | | | | | | | 0.24 | | | | | 0.13 | 802. | 0.11 | 0.91 | 673. | 800. | 22000. | 0.07 |
| 30 | 4 | 1985 | 7 | | | | | | | | 0.21 | | | | | 0.07 | 873. | 0.14 | 0.96 | 709. | 895. | 21800. | 0.08 |
| 30 | 4 | 1985 | 8 | | | | | | | | 0.25 | | | | | 1.53 | 786. | 0.11 | 0.87 | 665. | 786. | 21000. | 0.05 |
| 30 | 4 | 1985 | 9 | | | | | | | | 0.12 | | | | | 0.56 | 920. | 0.13 | 0.76 | 682. | 930. | 24700. | 0.11 |
| 30 | 4 | 1985 | 10 | | | | | | | | 0.28 | | | | | 0.12 | 725. | 0.09 | 0.71 | 655. | 736. | 19900. | 0.09 |
| 30 | 4 | 1985 | 11 | | | | | | | | 0.44 | | | | | 0.27 | 829. | 0.1 | 0.64 | 672. | 856. | 22500. | 0.11 |
| 30 | 4 | 1985 | 12 | | | | | | | | 0.4 | | | | | 0. | 855. | 0.13 | 0.93 | 705. | 861. | 21400. | 0.09 |
| 30 | 4 | 1985 | 13 | | | | | | | | 0.3 | | | | | 0.45 | 769. | 0.09 | 0.76 | 664. | 775. | 20700. | 0.1 |
| 30 | 4 | 1985 | 14 | | | | | | | | 0.33 | | | | | 0.29 | 878. | 0.11 | 0.75 | 677. | 859. | 23300. | 0.06 |
| 30 | 4 | 1985 | 15 | | | | | | | | 0.27 | | | | | 0.33 | 685. | 0.1 | 0.67 | 688. | 720. | 18000. | 0.07 |
| 30 | 4 | 1985 | 16 | | | | | | | | 0.41 | | | | | 0.07 | 823. | 0.11 | 0.51 | 669. | 851. | 22900. | 0.08 |
| 30 | 4 | 1985 | 17 | | | | | | | | 0.41 | | | | | 0.31 | 853. | 0.1 | 0.72 | 675. | 852. | 22300. | 0.05 |
| 30 | 4 | 1985 | 18 | | | | | | | | 0.36 | | | | | 0.27 | 803. | 0.11 | 0.71 | 702. | 832. | 20200. | 0.08 |
| 30 | 4 | 1985 | 19 | | | | | | | | 0.22 | | | | | 0. | 866. | 0.15 | 1.04 | 704. | 862. | 21300. | 0.08 |
| 30 | 4 | 1985 | 20 | | | | | | | | 0.25 | | | | | 1.38 | 818. | 0.12 | 0.82 | 704. | 840. | 20300. | 0.07 |
| 30 | 4 | 1985 | 21 | | | | | | | | 0.23 | | | | | 0.07 | 856. | 0.14 | 0.93 | 703. | 837. | 20900. | 0.08 |
| 30 | 4 | 1985 | 24 | | | | | | | | 0.26 | | | | | 0.23 | 972. | 0.13 | 1.01 | 685. | 953. | 25300. | 0.07 |
| 30 | 4 | 1985 | 25 | | | | | | | | 0.4 | | | | | 1.38 | 768. | 0.12 | 1.04 | 663. | 796. | 20800. | 0.06 |
| 30 | 4 | 1985 | 26 | | | | | | | | 0.26 | | | | | 0.36 | 841. | 0.1 | 0.73 | 676. | 834. | 21900. | 0.05 |
| 30 | 4 | 1985 | 27 | | | | | | | | 0.26 | | | | | 0.78 | 796. | 0.1 | 0.67 | 671. | 787. | 20600. | 0.06 |
| 30 | 4 | 1985 | 28 | | | | | | | | 0.47 | | | | | 1.7 | 837. | 0.11 | 0.83 | 671. | 832. | 22400. | 0.06 |
| 30 | 4 | 1985 | 29 | | | | | | | | 0.31 | | | | | 0.58 | 805. | 0.1 | 0.49 | 665. | 816. | 21800. | 0.08 |
| 30 | 4 | 1985 | 30 | | | | | | | | 0.29 | | | | | 1.14 | 815. | 0.1 | 0.71 | 673. | 819. | 20700. | 0.08 |
| 30 | 4 | 1985 | 31 | | | | | | | | 0.42 | | | | | 0.13 | 632. | 0.11 | 0.68 | 677. | 667. | 16400. | 0.07 |
| 30 | 4 | 1985 | 50 | | | | | | | | 0.34 | | | | | 0.78 | 797. | 0.09 | 0.64 | 664. | 796. | 21100. | 0.12 |
| 30 | 4 | 1985 | 60 | | | | | | | | 0.06 | | | | | 0.03 | 361. | 0.06 | 0.6 | 618. | 396. | 10000. | 0.05 |

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

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

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

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

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

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

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

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