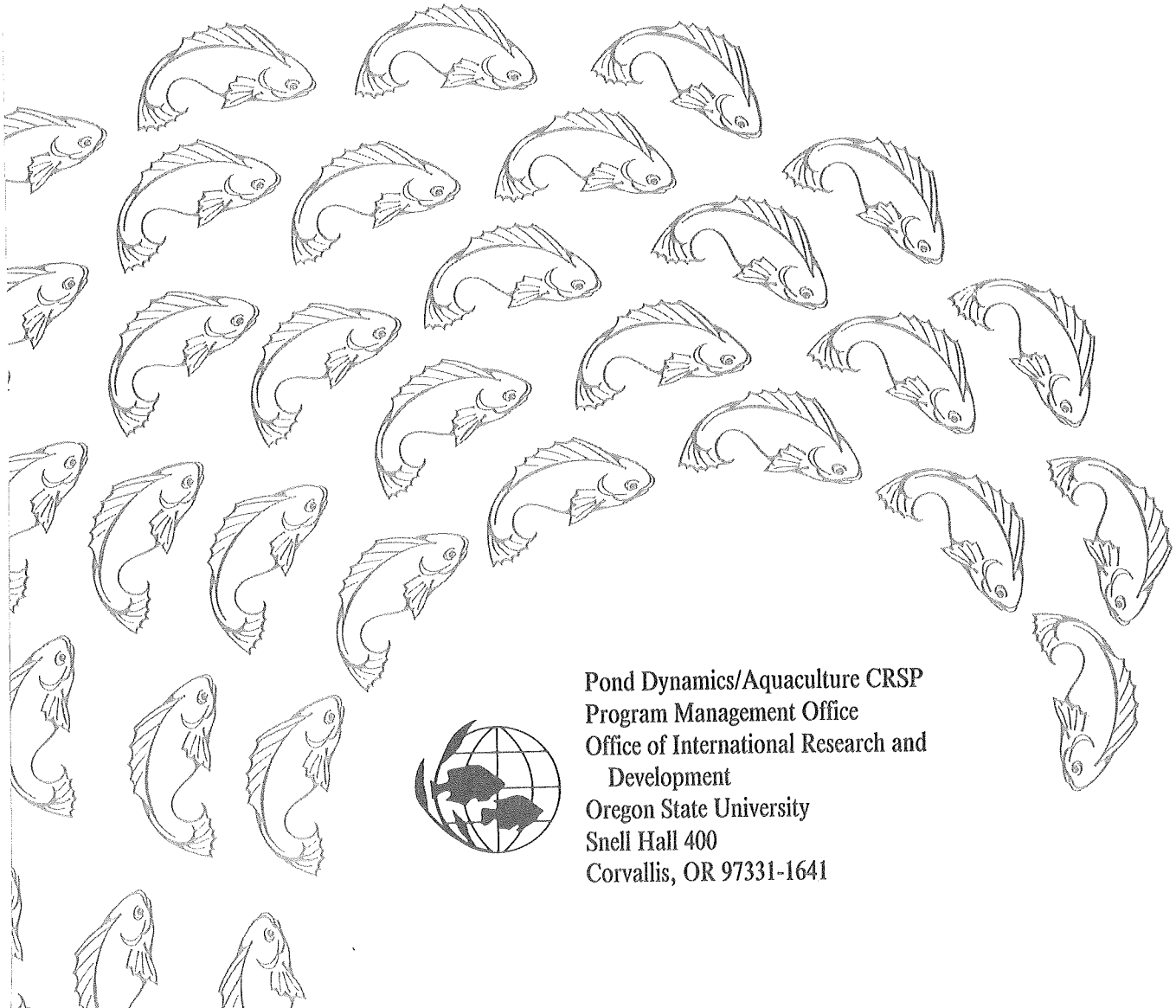
Pond Dynamics/Aquaculture Collaborative Research Data Reports

Volume Three, Number Three
Indonesia Project

Cycle III of the CRSP Global Experiment



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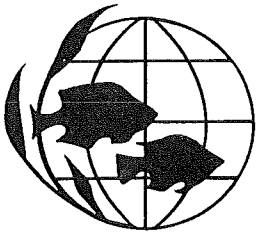
POND DYNAMICS/AQUACULTURE COLLABORATIVE RESEARCH DATA REPORTS

Volume Three, Number Three.
Indonesia: Cycle III of The Global Experiment

August 23, 1989

Ted R. Batterson, Cal D. McNabb, Chris F. Knud-Hansen,
H. Muhammed Eidman, and Komar Sumatadinata



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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; predict the performance of existing and proposed pond systems subject to specific inputs and constraints; and 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. Cycle III of the Global Experiment in Indonesia is presented in this volume.

Editor's Note: Pages one to six of this Data Report were originally published as Pond Dynamics/ Aquaculture CRSP Research Report 88-8 in March 1988.

Effect of Chicken Manure Additions on Fish Production in Ponds in West Java, Indonesia

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ABSTRACT

Results of experiments in Cycle III of the Pond Dynamics/Aquaculture CRSP are reported here. Two experiments were conducted: one lasted 156 days and the other lasted 149 days. During both experiments four levels of dried chicken manure (12.5, 25, 50 and 100 g/m^2/wk) were added to 0.02 ha ponds. There were three ponds in each treatment. Results of the two experiments were similar. Yield of Nile tilapia (*Oreochromis niloticus*) at final harvest increased linearly with increasing fertilizer application from about 900 kg/ha in the lowest treatment to approximately 2300 kg/ha in the highest. Increased algal productivity and an apparent increase in detritus accompanied increasing fish yield. Analyses of nitrogen and phosphorus suggested that higher algal productivity and fish yields could be obtained by improving the fertilizer regime so that N and P are available in these ponds in proportions required by pond microflora.

INTRODUCTION

During 1986-87, the third experimental cycle of the CRSP was completed at the Babakan Fisheries Station of Institut Pertanian Bogor in Indonesia.

The Bogor region of West Java is hot and hyperhumid with annual rainfall in the range of 3-6 m per year, increasing with elevation on the surrounding mountain peaks. High rainfall combined with low evaporation rates causes severe leaching of ions from porous volcanic soils in the region. Since these soils have been in place for a long time, they yield few mineral nutrients to the surface waters that drain them. This has important implications for freshwater pond culture in the Bogor region and other wet-tropical regions like it. Nutrients necessary for pond production tend to be in short supply in water used to fill ponds. In practice, this condition is overcome by adding fertilizers or feed to ponds. For economic and biological efficiency, fertilizer applications should be based on the balance of mineral nutrients required by fish-food organisms whose growth they are intended to promote, namely algae, bacteria, and associated microfauna.

Phosphorus, nitrogen, and carbon are elements that most frequently limit production of pond organisms used as food by fish. For normal growth, algae require phosphorus, nitrogen and carbon in the atom ratio of 1:16:100. This converts to a weight ratio of 1:7:40. In fish ponds where this ratio is not approximated in the process of fertilizer application, the element(s) in shortest supply should be exhausted by uptake and growth of algae, leaving a surplus of the other essential elements unused in the water. Inorganic carbon is in short supply in surface waters of the Babakan region; carbonate-bicarbonate alkalinity is approximately 20 mg/l.

Data from Cycle II showed that low levels of inorganic carbon limited productivity of algae and fish in ponds fertilized with 50 g dry wt/m^2/wk of chicken manure or triple superphosphate + urea at P and N loading rates equivalent to chicken manure. Cycle III experiments were designed to assess the performance of chicken manure across a range of loadings from 12.5 to 100 g dry wt/m^2/wk. The relationship between fish yield and efficient use of fertilizer nutrients was evaluated.

MATERIALS AND METHODS

In this experimental cycle, four levels of dried chicken manure (12.5, 25, 50, and 100 g/m^2/wk) were added to 0.02 ha ponds at the Babakan Fisheries Research Station. There were three ponds in each of these four treatments. After liming, the ponds were filled and maintained at a depth of approximately 0.9 m by adding water diverted from an irrigation canal at the perimeter of the site. Two experiments were conducted, each with the same protocol. One experiment ran from April 9 to September 12, 1986, the other from October 14, 1986, to March 12, 1987. After ponds were filled with water, male *Oreochromis niloticus* (*Tilapia nilotica*) fingerlings were planted at a density of one fish per square meter of pond surface. Methods described by Egna et al. (1987) for water sampling and chemical analyses were used except in regard to primary productivity. Daily net primary productivity was obtained from inorganic carbon losses that occur between dawn and dusk from the carbonate-bicarbonate system in ponds (after Harvey 1955 and Park 1969).

RESULTS

O. niloticus stocking density for all ponds in Experiments 1 and 2 was 1 fish/m^2 (200 fingerlings/pond). Mean total weight stocked in the four treatments of Experiment 1 ranged from 9.6 kg to 10.3 kg. The mean weight of individual fingerlings varied among treatments from 49.2 g to 55.0 g. For Experiment 2, mean total weight stocked in treatments ranged from 8.6 to 9.1 kg. Mean weight for individual fingerlings stocked varied among treatments from 43.2 g to 45.3 g.

Yields obtained by harvest at the end of grow-out periods are shown in Figure 1 in relation to chicken manure loading rates used. Yields tended to increase linearly with increased loading, reaching a maximum of 2300 kg/ha at 100 g dry wt chicken manure/m^2/wk. The data show that ponds at Babakan could be loaded each week with greater quantities of chicken manure before yield approached an asymptote. Maximum yield obtained in the experiments was high compared to that reported in the literature. Pownall (1975) reported average yields for farm ponds in West Java on the order of 1500 kg/ha/yr, with some reaching 3000 kg/ha/yr. *Cyprinus carpio* accounted for most of this production. DeMaeseneer (1984) cites production of 2000 kg/ha/yr for tilapia in tropical subsistence ponds that are earnestly managed. With grow-out periods of the length used in these experiments, two crops per year could be obtained at Babakan, yielding nearly 4600 kg/ha. This rate of production approaches that expected by Balarin (1984) as a maximum with tilapia in well-managed ponds using feeds and fertilizers: namely, 5000 kg/ha/yr.

Water chemistry data collected from ponds in Experiments 1 and 2 showed similar trends. Data from Experiment 2 are used to describe results. Table 1 shows algal productivity associated with application rates of chicken manure used in the experiment. Net photosynthesis ranged from 0.82 to 1.86 g C/m^2/day. Gross photosynthesis (net carbon fixed by algae per day + carbon fixed to supply O_2 for community respiration per day) ranged from 1.72 to 3.06 g C/m^2/day. Hepher (1962) reported mean net productivity in fertilized fish ponds in Israel at 2.89 g C/m^2/day, and gross productivity from 4 to 6 g C/m^2/day. Steeman Nielsen (1958) considered a rate near 8 g C/m^2/day the maximum for algal productivity. By comparison, algal productivity in ponds at Babakan was low; the maximum

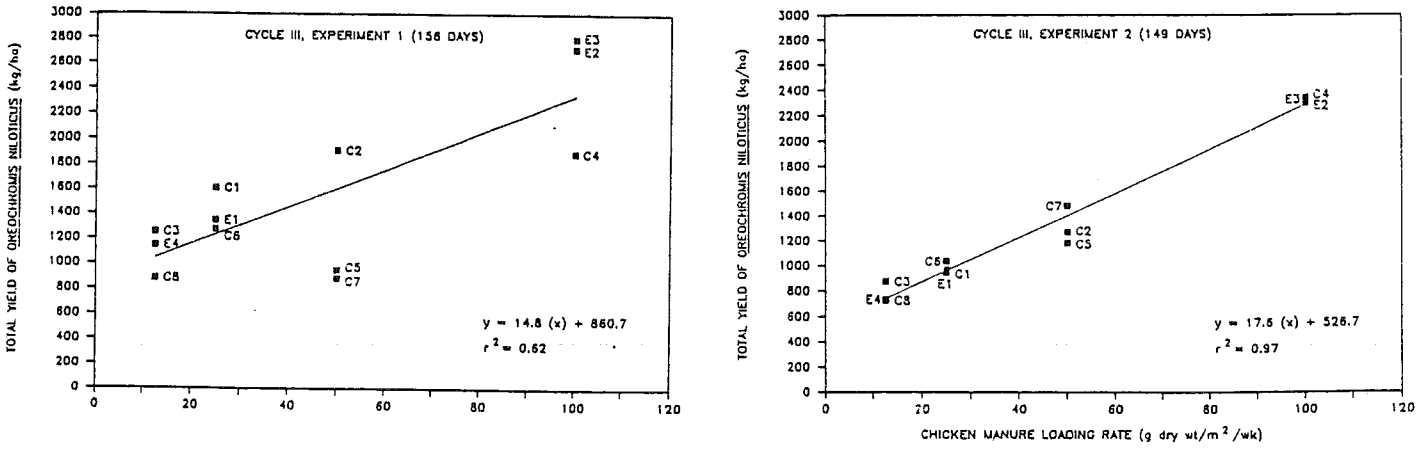

Figure 1. Yield of Nile tilapia (*O. niloticus*) at chicken manure loading rates used in Cycle III. Numbers are shown for individual ponds used for each loading rate.

Table 1. A comparison of nitrogen and phosphorus required by algae to complement observed rates of carbon fixed in photosynthesis and amounts present in ponds on the average during Cycle III, Experiment 2.

Chicken Manure Loading Rate (g dry wt/m²/wk)	Net Photosynthesis (g C/m²/day)	Total Inorganic Nitrogen (g N/m²)		Dissolved Reactive Phosphorus (g P/m²)	
		Required[1]	Present	Required[1]	Present
12.5	0.82	0.14	0.19	0.02	0.07
25	0.86	0.15	0.21	0.02	0.11
50	1.29	0.23	0.15	0.03	0.33
100	1.86	0.33	0.14	0.05	0.65

[1] Based on a P:N:C requirement of 1:7:40 by weight for normal algal growth (Round 1973; Vallentyne 1974; Wetzel 1983)

productivity was obtained with the highest rate of fertilizer loading, namely 100 g dry wt/m²/wk.

Table 1 also includes an analysis of nitrogen and phosphorus abundance in ponds relative to amounts of nitrogen and phosphorus normally required by algae to complement carbon fixed in net photosynthesis. The forms of nitrogen and phosphorus presented in the table are those preferred by algae over other chemical species of these elements that might be present in ponds (Goldman and Horne 1983). Quantities of nitrogen and phosphorus required for growth are compared with average quantities present during the experiment. The closer the requirements to amounts present, the shorter the immediate supply of the nutrient.

Table 1 shows that inorganic nitrogen tended to be in short supply, particularly at high rates of chicken manure loading. Phosphorus, on the other hand, was present in ponds in amounts in excess of daily algal requirements, and the excess phosphorus increased with increased chicken manure loading. This result was promoted by a 1:2 ratio of N:P by weight in chicken manure added to ponds. With smaller amounts of nitrogen than phosphorus available for uptake and growth relative to algal requirements (N:P=7:1), phosphorus added in fertilizer was unused by algae for growth and tended to accumulate in ponds as the loading rate increased.

Md.Yusoff (1987) used algal bioassays in conjunction with a similar analysis of nutrient shortages. She showed that algal productivity was not limited in ponds in Malaysia when required amounts of these nutrients were greater than or approximately equal to amounts present, but was limited when concentrations were 4 to 6 times less than daily requirements. It is likely from her work and data in Table 1 that ponds at Babakan fertilized at rates of 50 and 100 g dry wt chicken manure/m²/wk were approaching nitrogen limitation for algae. Also, some factor other than nitrogen or phosphorus appears to have limited primary productivity at low chicken manure loading rates (12.5 and 25 g dry wt/m²/wk). Earlier CRSP work at Babakan reported by McNabb et al. suggests that inorganic carbon limited algal productivity at these low manure loading rates.

Nile tilapia is opportunistic and feeds mainly on planktonic algae, periphytic algae, rotifers, copepods, insect larvae, and detritus in fertilized ponds (DeMaeseneer 1984). Figure 2 shows the relationship between yield of Nile tilapia at harvest and mean net photosynthesis during Experiment 2. Rates of fertilizer application also are presented. As fertilizer application increased, so did net photosynthesis and fish yield. Various investigators, among them Melack (1976) and Almazan and Boyd (1978), have observed a similar relationship for fish species that feed at the base of food webs in ponds.

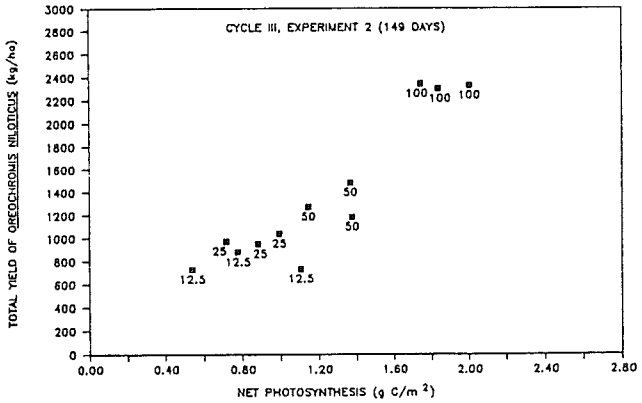

Figure 2. Relationship between Nile tilapia yield at harvest and mean net photosynthesis in ponds. Numbers in figure are chicken manure loading rates in g dry wt/m²/wk.

It is difficult to assess the role of detritus and its associated microfauna as food sources for fish in this experiment. However, respiratory rates of pond communities increased with increased chicken manure loading. The decreases in twelve-hour nighttime dissolved oxygen, corrected for losses to the atmosphere from supersaturated surface water in ponds (Boyd 1979), were 2.9, 2.7, 3.6 and 4.0 g O_2/m² with loading rates of 12.5, 25, 50 and 100 g dry wt chicken manure/m²/wk, respectively. Some portion of these decreases was associated with increased

pond metabolism due to progressively higher algal productivity in treatments. An unknown portion was also due to heterotrophic metabolism of chicken manure detritus. It is clear from nighttime oxygen losses that metabolism of pond organisms increased with fertilizer loading rates of 25 g dry wt/m²/wk or greater, and that food resources for fish production increased as well, leading to progressively higher fish yields in treatments. Relatively low primary productivity with high fish yields at 100 g dry wt/m²/wk suggest that detritus played a role in fish nutrition.

Manures added to ponds promote 24-hour excursions in surface-to-bottom dissolved oxygen curves such that low concentrations, particularly in the hours before dawn, can be detrimental to fish. Mean concentrations at 0600 h are presented in Table 2 for pond water columns. Concentrations measured at 0600 h were the lowest observed in the 24-hour sampling period. It can be seen from the table that 0600 h concentrations tended to decrease with an increase in loading rates. However, even at the highest loading rates, adequate oxygen for Nile tilapia was present at dawn. Minimum concentrations observed in water columns at 0600 h during both experiments were 2.6, 2.0, 1.0 and 0.4 mg/l for loading rates of 12.5, 25, 50 and 100 g dry wt/m²/wk, respectively. Table 2 also shows dissolved oxygen excursions for days and nights during experiments. These ranged from 2.2 mg/l per 12-hour light/dark cycle at low chicken manure loading rates to 4.5 mg/l at the highest rate. Hepher (1962), Boyd et al. (1978), and Boyd (1979) report mean water column oxygen excursions on the order of 5 to 6 mg/l for days and nights in fertilized, high production ponds with water temperatures comparable to those at Babakan. In these experiments, ponds loaded at the highest rate had lower excursions than noted by these workers.

Ammonia is the common form of inorganic nitrogen in chicken manure, with NH_3-N comprising approximately 30% by weight of the total nitrogen present (Sims 1986). It leaches rapidly after chicken manure is added to pond water (Knud-Hansen unpublished data). Emerson et al. (1975) present techniques for determining the fraction of total ammonia that is present as un-ionized ammonia using temperature and pH of pond water. Figure 3 shows mean concentrations of un-ionized ammonia for 24-hour sampling cycles at Babakan. Maxima on curves are associated with 24-hour highs for pH and water temperature, while minima occurred near dawn with lower pH and temperature. Abdalla (in preparation) obtained rapid growth of *O. niloticus* fingerlings at 0.06 mg/l un-ionized ammonia in a temperature range of 28-32°C. Growth was depressed linearly at concentrations above 0.06 mg/l to 1.40 mg/l. Colt and Tchobanoglous (1976) found that growth of juvenile channel catfish was reduced in a linear fashion over a range of 0.06 to 0.99 mg/l un-ionized ammonia, with no growth at 0.97 mg/l. These results and data in Figure 3 suggest that un-ionized ammonia in ponds had no important effect on fish growth during these experiments.

Table 2. Mean dissolved oxygen relationships in ponds during Cycle III, Experiment 2 taken from measurements made over 24-hour periods. 0600 hour dissolved oxygen concentrations were daily minima.

Chicken Manure Loading Rate (g dry wt/m²/wk)	Depth of Water[1]	0600 hour D.O. (mg/L)	Daytime Increase[2] (mg/L)	Nighttime Loss[2] (mg/L)
12.5	top	4.3		
	mid	4.1	2.3	2.8
	bot	4.0		
25.0	top	4.0		
	mid	3.7	2.2	2.5
	bot	3.6		
50.0	top	3.3		
	mid	3.0	3.8	4.0
	bot	2.8		
100.0	top	2.3		
	mid	2.0	4.0	4.5
	bot	1.8		

[1]"top" is for measurements 0.25 cm below the surface and "bot" for measurements 0.25 above sediments.
[2]Daytime increase and nighttime losses are for the water columns of ponds obtained from differences between means of "top," "mid," and "bot" concentrations measured at successive times of 0600, 1800, and 0600 hours.

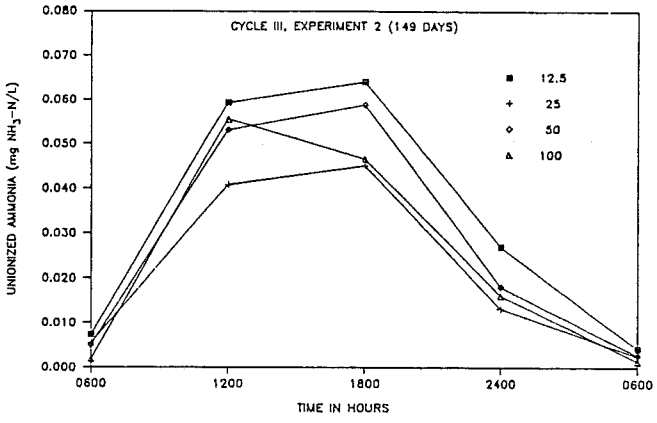

Figure 3. Mean concentrations of un-ionized ammonia during 24-hour periods in ponds fertilized with 12.5, 25, 50, and 100 g dry wt/m²/wk chicken manure.

DISCUSSION

This report summarizes work from the third and last cycle of standardized experiments in the Pond Dynamics/Aquaculture Collaborative Research Support Program (CRSP) at the

Babakan Fisheries Station. In Cycle I, baseline data were obtained on climatic and hydrological conditions, and on physical and chemical conditions that influenced pond productivity. Relatively consistent warm, wet, and cloudy year-round features of the Station's environment were described. It was shown from the daily record of photosynthetic radiation and algal productivity in ponds that the relatively low quantity of incoming light associated with frequent cloud cover was not limiting pond photosynthesis.

Ponds built of permeable volcanic soils in Java have a high rate of water loss. High rainfall on the island makes water for pond culture plentiful, and farmers indifferent to seepage losses. Seepage and replacement water additions, as well as high rainfall directly on the surface of ponds, causes high variability in measurements of pond parameters made over 24-hour periods, or at longer intervals during experiments. Nevertheless, baseline data in Cycle I revealed trends in variables that influence pond productivity. In particular, low alkalinity and low inorganic carbon (CO_2) concentrations limited algal productivity and fish production in ponds. This has great implications for Java as well as for other tropical settings.

Volcanic peaks in Java form the backbone of the island. Uplifted limestone reefs form low elevation ridges among the peaks. Streams and irrigation canals discharge low alkalinity water (20 mg $CaCO_3$/l) from drainage basins with leached volcanic soils, while those discharging from regions of uplifted limestone have high alkalinity (180 mg $CaCO_3$/l). Such drainage basins, often relatively small in area, lie side by side. If inorganic carbon determines the upper limit of autotrophic and heterotrophic production in low alkalinity ponds, such as those at Babakan, the widespread application of fertilizer to ponds to supply phosphorus or nitrogen will have widely different results and ensure inconsistent fish yields from place to place.

With primary productivity limited by nutrients, yield of Nile tilapia at the Station during Cycle I of the CRSP was low: 600 kg/ha in grow-out periods of 145 days. In Cycle II, the performance of inorganic fertilizers (triple superphosphate [TSP] + urea) was compared with an organic fertilizer (chicken manure). Ponds in each treatment received equivalent quantities of phosphorus and nitrogen. The organic fertilizer treatment was applied to ponds in which alkalinity had been doubled from the baseline of approximately 25 mg $CaCO_3$/l. As predicted from results of Cycle I, carbon limitation that occurred in both TSP + urea and chicken manure treatments was alleviated in the chicken manure + alkalinity treatment, and higher algae and fish productivity were obtained. Fish yields were twice those of Cycle I with the same grow-out period. Yields of Nile tilapia in Cycle II were 965, 1040 and 1455 kg/ha in TSP + urea, chicken manure, and chicken manure + alkalinity treatments, respectively. Data indicate that nitrogen, an element in short supply in chicken manure relative to phosphorus, approached limiting concentrations in the treatment with highest yield.

Chicken manure produced better yields in Cycle II than did inorganic fertilizers. Thus, chicken manure loading rates became the topic of Cycle III research. Outstanding fish yields were obtained without stressing the dissolved oxygen dynamics of ponds or exposing fish to harmful concentrations of un-ionized ammonia. Nile tilapia yield was pushed to 4600 kg/ha/yr, approaching the maximum yield of 5000 kg/ha expected for well-managed ponds in which feeds as well as fertilizer are used. However, optimum use of fertilizer, particularly phosphorus, and maximum attainable fish production for the site were not obtained. Research in Cycle IV of the CRSP is aimed at achieving these goals. At Babakan, important contributions were made during the tenure of the CRSP in fine tuning the technology used in tropical pond aquaculture. An understanding has developed regarding key determinants of yield in Indonesia.

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APPENDIX. Complete Set of Data from Cycle III of the Pond/Dynamics Aquaculture CRSP in Indonesia.

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TABLE 1. Daily Weather Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
1	4	1986					34.	21.	
2	4	1986				2.2	34.	21.	
3	4	1986				1.8	34.	21.	
4	4	1986				1.9	34.	21.	
5	4	1986				1.7	34.	21.	
6	4	1986				1.8	34.	21.	
7	4	1986				1.7	31.	22.	
8	4	1986				2.2	32.	23.	
9	4	1986				2.3	32.	23.	
10	4	1986				2.2	34.	23.	
11	4	1986				2.	34.	23.	
12	4	1986				2.2	34.	23.	
13	4	1986					33.	24.	
14	4	1986							
15	4	1986			0.				
16	4	1986			0.8				1.
17	4	1986			0.				4.
18	4	1986			0.				6.
19	4	1986			1.4				6.
20	4	1986			1.6				3.
21	4	1986					33.	24.	
22	4	1986			0.4	2.3	33.	24.	
23	4	1986			0.	2.2	33.	23.	3.
24	4	1986			1.	3.	34.	22.	7.
25	4	1986			0.	2.	33.	23.	6.
26	4	1986			0.	2.4	33.	23.	5.
27	4	1986			0.	2.7	32.	23.	6.
28	4	1986			0.	2.2	32.	23.	5.
29	4	1986			0.	2.1	34.	23.	6.
30	4	1986			1.4	1.9	32.	23.	4.
1	5	1986			0.	1.9	33.	23.	5.
2	5	1986			0.	1.8	34.	23.	5.
3	5	1986			0.	1.8	33.	22.	6.
4	5	1986			0.	1.8	32.	22.	7.
5	5	1986			0.	2.3	32.	24.	5.
6	5	1986			0.	1.9	34.	24.	7.
7	5	1986			2.6	2.1	34.	22.	6.
8	5	1986			0.	2.2	34.	24.	4.
9	5	1986			0.	2.3	34.	24.	6.
10	5	1986			1.	2.9	34.	23.	4.
11	5	1986			0.	2.2	34.	23.	1.
12	5	1986			2.8	1.6	35.	23.	12.
13	5	1986			5.8	2.1	35.	23.	14.
14	5	1986			1.2	1.4	34.	23.	5.
15	5	1986			0.3	2.8	32.	24.	5.
16	5	1986			0.	2.6	34.	22.	9.

TABLE 1. Daily Weather Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
17	5	1986			0.	1.	32.	24.	2.
18	5	1986			0.	2.2	32.	22.	4.
19	5	1986			0.2	2.7	33.	22.	4.
20	5	1986			0.	1.2	33.	23.	9.
21	5	1986			0.	1.8	32.	22.	1.
22	5	1986			0.	1.7	31.	21.	7.
23	5	1986			0.	1.8	31.	21.	5.
24	5	1986			1.4	2.7	31.	22.	6.
25	5	1986			0.	3.4	31.	21.	6.
26	5	1986			0.	1.2	30.	21.	3.
27	5	1986			0.	3.	31.	20.	5.
28	5	1986			0.	2.6	31.	21.	5.
29	5	1986			0.	2.3	31.	22.	5.
30	5	1986			1.8	2.6	30.	21.	3.
31	5	1986			2.8	1.6	32.	20.	4.
1	6	1986			2.	2.	31.	20.	5.
2	6	1986			0.4	2.3	31.	21.	3.
3	6	1986			0.3	2.3	31.	22.	9.
4	6	1986			0.	1.2	31.	22.	2.
5	6	1986			0.	2.	28.	21.	3.
6	6	1986			4.	1.9	31.	21.	6.
7	6	1986			0.	1.7	31.	21.	2.
8	6	1986			0.5	1.3	31.	21.	7.
9	6	1986			0.5	1.7	31.	21.	7.
10	6	1986			0.	2.6	31.	21.	2.
11	6	1986			0.	1.7	31.	21.	3.
12	6	1986			3.1	2.2	32.	21.	6.
13	6	1986			0.	1.5	28.	22.	4.
14	6	1986			0.	2.8	30.	21.	6.
15	6	1986			0.	2.2	30.	22.	4.
16	6	1986			10.6	1.7	30.	20.	9.
17	6	1986			0.2	1.6	31.	21.	2.
18	6	1986			0.	1.3	32.	20.	5.
19	6	1986			1.2	1.5	30.	20.	3.
20	6	1986			0.	1.7	30.	22.	3.
21	6	1986			0.	2.	31.	22.	5.
22	6	1986			0.	2.2	31.	20.	5.
23	6	1986			0.	1.1	32.	20.	4.
24	6	1986			0.	1.9	31.	20.	5.
25	6	1986	36.06		0.	2.	31.	22.	5.
26	6	1986	32.76		0.	2.	32.	21.	5.
27	6	1986	34.12		0.	1.	32.	20.	5.
28	6	1986	33.7		0.	1.6	32.	21.	4.
29	6	1986	27.54		1.8	1.8	32.	22.	6.
30	6	1986	30.97		6.	1.7	30.	21.	6.
1	7	1986	35.8		0.	1.9	32.	20.	4.
2	7	1986	37.44		0.	2.2	31.	16.	6.

TABLE 1. Daily Weather Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
3	7	1986	31.75		0.	1.8	32.	18.	5.
4	7	1986	34.71		0.	1.6	29.	17.	5.
5	7	1986	34.74		0.	1.6	30.	17.	5.
6	7	1986	36.03		0.	1.3	30.	16.	5.
7	7	1986	31.03		0.	1.2	33.	20.	5.
8	7	1986	28.64		0.8	1.6	32.	20.	4.
9	7	1986	33.81		1.4	1.7	30.	21.	4.
10	7	1986	34.23		11.2	1.8	32.	21.	13.
11	7	1986	34.74		0.	1.8	30.	21.	7.
12	7	1986	20.42		0.	1.7	32.	21.	5.
13	7	1986	29.25		0.	1.	28.	21.	2.
14	7	1986	31.41		1.2	1.6	31.	20.	6.
15	7	1986	26.83		3.	2.3	30.	20.	8.
16	7	1986	27.8		0.	1.4	30.	22.	4.
17	7	1986	31.42		0.2	2.2	30.	22.	3.
18	7	1986	35.27		6.6	2.2	30.	22.	9.
19	7	1986	36.36		0.	1.3	32.	22.	4.
20	7	1986	37.87		0.	1.6	32.	21.	6.
21	7	1986	37.64		0.6	1.5	32.	22.	8.
22	7	1986	26.91		0.8	2.1	31.	20.	5.
23	7	1986	36.72		1.2	1.5	30.	20.	4.
24	7	1986	33.81		0.	1.4	32.	20.	5.
25	7	1986	34.04		0.	1.8	31.	20.	5.
26	7	1986	32.15		0.	1.8	30.	20.	5.
27	7	1986	20.23		0.8	2.2	30.	21.	5.
28	7	1986	32.03		1.4	1.4	29.	20.	2.
29	7	1986	29.71		0.	1.9	30.	20.	5.
30	7	1986	34.22		1.2	1.8	30.	20.	6.
31	7	1986	39.24		0.	2.2	30.	19.	5.
1	8	1986	33.64		0.	1.6	32.	17.	7.
2	8	1986	24.15		0.	1.5	30.	21.	6.
3	8	1986	22.23		1.	1.9	29.	22.	4.
4	8	1986	26.1		0.	1.4	28.	22.	3.
5	8	1986	29.45		7.2	2.1	30.	21.	9.
6	8	1986	21.71		2.6	1.9	30.	22.	6.
7	8	1986	30.56		5.	1.8	29.	20.	7.
8	8	1986	23.34		0.	1.5	29.	22.	4.
9	8	1986	28.43		0.4	1.4	30.	22.	3.
10	8	1986	18.41		0.	1.5	31.	22.	3.
11	8	1986	40.04		0.	1.6	31.	20.	3.
12	8	1986	33.25		0.3	1.9	31.	22.	4.
13	8	1986	27.37		0.1	1.5	31.	22.	3.
14	8	1986	25.26		2.	2.1	31.	20.	4.
15	8	1986	28.31		0.	2.3	31.	21.	3.
16	8	1986	33.52		0.	2.3	30.	21.	4.
17	8	1986	41.57		0.	2.	29.	18.	5.
18	8	1986	36.65		0.	1.6	32.	18.	6.

TABLE 2. Daily Weather Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
19	8	1986	37.98		0.	1.6	30.	17.	5.
20	8	1986	32.13		0.	1.7	30.	20.	6.
21	8	1986	37.3		0.	1.7	30.	18.	4.
22	8	1986	37.57		0.	1.4	31.	18.	5.
23	8	1986	37.01		0.	1.6	32.	20.	5.
24	8	1986	66.93		0.	1.7	32.	20.	5.
25	8	1986	29.77		9.6	2.1	32.	20.	9.
26	8	1986	36.59		1.2	1.7	31.	21.	5.
27	8	1986	41.91		1.6	1.8	31.	20.	5.
28	8	1986	36.26		0.	2.	31.	19.	5.
29	8	1986	40.32		0.	2.6	31.	18.	7.
30	8	1986	37.93		0.	2.	31.	20.	5.
31	8	1986	38.58		0.	1.4	32.	20.	6.
1	9	1986	36.97		0.	2.3	32.	20.	7.
2	9	1986	38.05		7.8	2.7	32.	20.	11.
3	9	1986	38.26		0.	2.7	32.	20.	9.
4	9	1986	39.93		5.	2.9	30.	20.	7.
5	9	1986	37.91		1.	2.8	33.	20.	5.
6	9	1986	18.1		0.2	2.1	33.	20.	8.
7	9	1986	30.55		0.	2.4	32.	20.	8.
8	9	1986	18.3		0.8	2.1	28.	21.	7.
9	9	1986	36.92		1.	2.7	30.	20.	5.
10	9	1986	18.6		0.	1.8	28.	21.	2.
11	9	1986	24.38		0.	2.6	31.	22.	6.
12	9	1986	36.21						
13	9	1986	35.83						
14	9	1986	26.05						
15	9	1986	19.54						
16	9	1986	22.68						
17	9	1986	38.36						
18	9	1986	39.4						
19	9	1986	35.54						
20	9	1986	37.05						
21	9	1986	34.86						
22	9	1986	32.37						
23	9	1986	32.47						
24	9	1986	28.67						
25	9	1986	24.18						
26	9	1986							
27	9	1986							
28	9	1986	38.78						
29	9	1986	35.87						
30	9	1986	34.37						
30	9	1986	34.37						

TABLE 1. Daily Weather Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
1	10	1986	38.69		0.	0.3	32.	21.5	5.
2	10	1986	40.27		0.	1.6	32.	23.	6.
3	10	1986	36.64		0.	3.6	32.	22.5	2.
4	10	1986	35.23		3.	0.8	33.5	22.	7.
5	10	1986	40.07		1.6	2.5	32.	23.	6.
6	10	1986	43.46		0.	1.2	32.	22.	5.
7	10	1986	37.84		0.	2.1	32.5	21.	3.
8	10	1986	33.91		0.	2.2	32.	22.	6.
9	10	1986	24.16		0.	1.9	32.	21.	5.
10	10	1986	32.57		0.6	1.7	31.5	21.5	5.
11	10	1986	37.29		0.6	2.2	31.5	21.	5.
12	10	1986	19.32		3.	2.8	32.	23.	11.
13	10	1986	33.61		0.	0.6	28.5	22.5	2.
14	10	1986	42.71		0.	2.4	31.5	22.	5.
15	10	1986	38.08		1.	2.6	32.	23.	8.
16	10	1986	34.34		0.	1.8	33.	23.	5.
17	10	1986	30.25		0.	2.1	32.5	25.	6.
18	10	1986	40.21		0.	1.9	32.5	24.	2.
19	10	1986	42.54		0.8	2.4	33.5	23.	6.
20	10	1986	36.06		4.	1.7	33.	24.	7.
21	10	1986	42.96		0.	2.1	31.5	23.	8.
22	10	1986	33.19		0.	1.9	33.	22.5	5.
23	10	1986	22.61		0.	1.7	33.5	23.	5.
24	10	1986	41.6		0.	1.9	30.	24.	3.
25	10	1986	29.03		1.6	2.9	32.5	25.	7.
26	10	1986	24.51		0.2	2.2	30.5	22.5	4.
27	10	1986	25.38		1.2	1.5	31.	23.	3.
28	10	1986			0.6	1.7	31.	23.	3.
29	10	1986			2.6	1.3	31.	23.	5.
30	10	1986	40.27		0.	2.6	32.	22.5	
31	10	1986	36.33		5.4	1.	32.	22.	
1	11	1986			8.4	2.2	32.	22.	
2	11	1986			4.	1.7	32.5	22.5	5.
3	11	1986			1.2	2.2	32.	23.	4.
4	11	1986	19.83		0.	1.7	30.5	24.5	2.
5	11	1986	22.01		2.6	1.7	30.	22.	3.
6	11	1986			6.2	1.3	30.5	22.	5.
7	11	1986			3.2	2.	30.5	23.	6.
8	11	1986			1.	1.8	29.5	22.	2.
9	11	1986			0.6	1.9	30.	22.5	5.
10	11	1986			1.	1.8	30.5	23.	9.
11	11	1986			0.8	1.9	30.5	22.	4.
12	11	1986			5.2	2.1	31.	21.5	
13	11	1986			0.	2.7	32.	21.5	6.
14	11	1986			3.8	1.8	32.5	21.5	4.
15	11	1986			0.	2.2	33.	20.5	4.

TABLE 1. Daily Weather Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
16	11	1986			0.	2.1	33.	22.	8.
17	11	1986			2.	2.	33.	23.	4.
18	11	1986	31.39		0.	1.7	33.	23.	5.
19	11	1986	28.08		0.8	1.8	32.	23.	3.
20	11	1986	30.57		1.8	1.3	32.	23.	5.
21	11	1986	39.5		0.4	1.7	31.5	22.	4.
22	11	1986	38.57		0.	1.5	32.	22.5	5.
23	11	1986	28.41		7.8	1.6	33.	22.	10.
24	11	1986	14.12		0.	1.9	32.	23.	5.
25	11	1986	24.92		0.	1.2	30.	22.5	1.
26	11	1986	24.64		0.	1.6	29.	23.5	3.
27	11	1986	28.64		1.4	1.4	30.	22.	2.
28	11	1986	24.62		0.8	1.7	32.5	23.	4.
29	11	1986	23.72		2.	2.1	32.	23.	4.
30	11	1986	31.54		1.4	1.5	32.	23.	6.
1	12	1986	35.38		2.	2.	32.5	22.	
2	12	1986	34.65		0.	1.5	32.5	23.	6.
3	12	1986	37.54		0.	1.9	32.	22.5	6.
4	12	1986	37.18		7.8	1.9	33.5	22.	11.
5	12	1986	33.89		0.	1.6	33.	23.	4.
6	12	1986	30.12		0.	1.7	32.	23.	5.
7	12	1986	34.93		0.	2.	31.	23.5	5.
8	12	1986	39.36		7.2	2.6	33.	23.	5.
9	12	1986	32.53		0.	1.7	33.5	24.5	5.
10	12	1986	28.14		5.4	2.1	33.	23.	10.
11	12	1986	32.91		0.	1.7	31.	23.	5.
12	12	1986	32.76		2.	2.	32.5	22.	6.
13	12	1986	32.25		0.	1.8	33.	23.	4.
14	12	1986	11.79		6.8	2.3	32.	22.	9.
15	12	1986	12.57		1.2	1.4	29.	22.	4.
16	12	1986	14.3		7.6	1.5	28.5	22.	
17	12	1986	37.25		0.	1.5	28.5	21.5	1.
18	12	1986	26.07		0.	1.5	31.5	21.5	4.
19	12	1986	31.32		0.6	2.2	32.	22.	3.
20	12	1986	34.4		0.8	1.8	32.5	23.	4.
21	12	1986	36.51		5.4	2.6	32.	22.	6.
22	12	1986	15.09		0.	0.7	33.5	23.	5.
23	12	1986	35.84		0.4	2.3	32.	21.	3.
24	12	1986	32.76		0.	1.4	33.	22.5	5.
25	12	1986	27.86		0.	2.6	31.5	24.	
26	12	1986	27.05		1.2	2.3	31.5	22.5	
27	12	1986	29.49		0.	0.8	31.5	22.5	2.
28	12	1986	31.5		0.4	2.2	32.	22.5	3.
29	12	1986	21.88		0.6	1.8	33.	23.	4.
30	12	1986	28.93		0.	1.6	32.	23.	3.
31	12	1986	17.2		3.2	1.9	31.	23.	5.
1	1	1987	16.43		0.	1.5	31.	22.5	

TABLE 1. Daily Weather Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
2	1	1987			0.2	1.6	29.	23.	2.
3	1	1987	10.41		1.6	0.9	33.5	22.5	2.
4	1	1987	22.22		1.	1.6	27.5	23.	
5	1	1987	20.04		2.6	1.3	29.5	24.	4.
6	1	1987	11.35		2.8	1.7	30.	22.	5.
7	1	1987	22.84		0.2	1.2	27.	22.5	3.
8	1	1987	27.96		1.	1.6	30.5	23.	3.
9	1	1987	26.64		0.	1.9	31.	23.	4.
10	1	1987	27.94		0.	2.1	31.	22.	4.
11	1	1987	25.12		0.8	2.	31.	23.	8.
12	1	1987	24.32		0.2	1.4	31.	22.5	5.
13	1	1987	10.07		0.6	2.1	32.	23.	2.
14	1	1987	21.3		2.	2.	28.5	22.	4.
15	1	1987	17.15		0.2	1.2	30.	23.	3.
16	1	1987	9.5		4.8	1.3	30.	22.5	9.
17	1	1987	12.41		0.	0.8	28.	22.	3.
18	1	1987	13.82		1.2	1.4	28.	22.	3.
19	1	1987	19.36		0.4	0.9	29.	22.	3.
20	1	1987	19.46		0.	1.3	30.	22.	2.
21	1	1987	18.39		0.4	1.4	39.	22.5	4.
22	1	1987	30.64		0.4	1.1	31.5	22.5	3.
23	1	1987	22.83		0.4	1.9	31.	23.	3.
24	1	1987	28.9		0.4	1.5	30.	21.	3.
25	1	1987	17.45		0.	2.6	32.	22.5	3.
26	1	1987	18.06		0.2	2.1	27.5	22.	3.
27	1	1987	11.46		1.6	1.4	28.	22.5	0.
28	1	1987	19.67		2.	1.1	28.	22.	2.
29	1	1987	14.08		1.2	1.2	29.	22.5	2.
30	1	1987	28.4		0.8	1.1	28.	23.	1.
31	1	1987	33.81		3.	1.9	30.	23.	3.
1	2	1987	27.91		0.	2.	30.5	23.	3.
2	2	1987	20.66		2.	1.5	30.	23.	4.
3	2	1987	25.73		1.8	1.4	29.	21.	3.
4	2	1987	18.9		1.2	1.1	30.5	21.5	3.
5	2	1987	15.43		0.	1.2	30.5	22.	3.
6	2	1987	12.32		0.6	1.2	32.	22.	3.
7	2	1987	18.55		1.2	1.6	32.	21.	5.
8	2	1987	10.53		1.5	1.5	29.	20.5	4.
9	2	1987	10.19		1.4	1.	26.	22.	4.
10	2	1987	14.86		0.6	0.7	27.	22.	1.
11	2	1987	27.43		0.4	1.	29.5	22.	1.
12	2	1987	37.87		0.	1.8	29.5	21.5	3.
13	2	1987	28.1		0.	1.7	32.	23.	5.
14	2	1987	35.36		0.2	1.3	31.	22.	4.
15	2	1987	26.16		0.	2.	31.	23.5	7.
16	2	1987	30.9		2.6	1.2	31.	22.	6.
17	2	1987	23.13		1.4	1.2	30.	22.	6.

TABLE 1. Daily Weather Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	SOLAR1	SOLAR2	RAIN	WIND	ATEMPMAX	ATEMPMIN	EVAP
18	2	1987	29.41		1.6	1.4	30.5	22.	4.
19	2	1987	29.18		0.	1.7	31.	23.	4.
20	2	1987	24.56		0.	2.5	31.	22.	2.
21	2	1987	25.52		0.8	0.9	31.	22.	5.
22	2	1987	31.45		3.2	1.4	30.	21.	8.
23	2	1987	20.74		0.8	1.4	31.	22.	3.
24	2	1987	40.69		3.	1.4	29.	22.	
25	2	1987	15.36		0.4	2.4	32.	22.5	8.
26	2	1987	26.48		1.8	1.8	28.	21.	9.
27	2	1987	39.2		2.2	1.1	30.	21.5	2.
28	2	1987	17.55		0.	1.7	32.5	22.5	5.
1	3	1987	22.65		0.6	1.3	30.	23.	2.
2	3	1987	20.72		0.2	1.6	30.	22.5	4.
3	3	1987	32.26		1.	1.1	31.	23.	1.
4	3	1987	37.87		0.	1.4	32.	23.	3.
5	3	1987	35.86		0.8	1.4	32.	22.5	5.
6	3	1987	43.41		1.4	1.8	32.	22.	4.
7	3	1987	40.81		1.4	2.	33.	23.5	7.
8	3	1987	43.78		0.	2.1	33.	22.5	6.
9	3	1987	35.12		3.	2.1	33.	23.	8.
10	3	1987			0.	1.8	32.	22.5	2.
11	3	1987							
12	3	1987							
13	3	1987							
14	3	1987							
15	3	1987							
16	3	1987							
17	3	1987							
18	3	1987							
19	3	1987							
20	3	1987							
21	3	1987							
22	3	1987							
23	3	1987							
24	3	1987							
25	3	1987							
26	3	1987							
27	3	1987							
28	3	1987							
29	3	1987							
30	3	1987							
31	3	1987							

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
15	4	1986	C1	0.76	Y	N				
15	4	1986	C2	0.53	Y	N				
15	4	1986	C3	0.8	Y	N				
15	4	1986	C4	0.83	Y	N				
15	4	1986	C5	0.88	Y	N				
15	4	1986	C6	0.9	N	N				0.
15	4	1986	C7	0.89	Y	N				
15	4	1986	C8	0.86	Y	N				
15	4	1986	E1	0.89	Y	N				
15	4	1986	E2	0.8	Y	N				
15	4	1986	E3	0.74	Y	N				
15	4	1986	E4	0.88	Y	N				
16	4	1986	C1	0.99	N	N				0.
16	4	1986	C2	0.9	N	N				0.
16	4	1986	C3	0.89	Y	N				
16	4	1986	C4	0.95	N	N				0.
16	4	1986	C5	0.94	N	N				0.
16	4	1986	C6	0.91	N	N				0.
16	4	1986	C7	0.96	N	N				0.
16	4	1986	C8	0.89	N	N				0.
16	4	1986	E1	1.	N	N				0.
16	4	1986	E2	0.98	N	N				0.
16	4	1986	E3	0.88	Y	N				
16	4	1986	E4	0.89	Y	N				
17	4	1986	C1	0.98	N	N				0.
17	4	1986	C2	0.88	Y	N				
17	4	1986	C3	0.9	N	N				0.
17	4	1986	C4	0.9	N	N				0.
17	4	1986	C5	0.94	N	N				0.
17	4	1986	C6	0.88	Y	N				
17	4	1986	C7	0.88	Y	N				
17	4	1986	C8	0.84	Y	N				
17	4	1986	E1	1.	N	N				0.
17	4	1986	E2	1.	N	N				0.
17	4	1986	E3	0.88	N	N				
17	4	1986	E4	0.92	N	N				0.
18	4	1986	C1	0.82	Y	N				
18	4	1986	C2	0.52	Y	N				
18	4	1986	C3	0.83	Y	N				
18	4	1986	C4	0.85	Y	N				
18	4	1986	C5	0.95	N	N				0.
18	4	1986	C6	0.92	N	N				0.
18	4	1986	C7	0.88	Y	N				
18	4	1986	C8	0.88	Y	N				
18	4	1986	E1	0.74	Y	N				
18	4	1986	E2	0.85	Y	N				

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
18	4	1986	E3	0.85	Y	N				
18	4	1986	E4	0.87	Y	N				
19	4	1986	C1	1.	N	N				0.
19	4	1986	C2	0.93	N	N				0.
19	4	1986	C3	0.92	N	N				0.
19	4	1986	C4	0.94	N	N				0.
19	4	1986	C5	0.95	N	N				0.
19	4	1986	C6	0.93	N	N				0.
19	4	1986	C7	0.91	N	N				0.
19	4	1986	C8	0.88	Y	N				
19	4	1986	E1	1.	N	N				0.
19	4	1986	E2	0.99	N	N				0.
19	4	1986	E3	0.77	Y	N				
19	4	1986	E4	0.88	Y	N				
20	4	1986	C1	1.	N	N				0.
20	4	1986	C2	0.94	N	N				0.
20	4	1986	C3	0.93	N	N				0.
20	4	1986	C4	0.95	N	N				0.
20	4	1986	C5	0.9	N	N				0.
20	4	1986	C6	0.98	N	N				0.
20	4	1986	C7	0.97	N	N				0.
20	4	1986	C8	0.89	Y	N				
20	4	1986	E1	1.	N	N				0.
20	4	1986	E2	0.97	N	N				0.
20	4	1986	E3	0.76	Y	N				
20	4	1986	E4	0.88	Y	N				
21	4	1986	C1			N				
21	4	1986	C2			N				
21	4	1986	C3			N				
21	4	1986	C4			N				
21	4	1986	C5			N				
21	4	1986	C6			N				
21	4	1986	C7			N				
21	4	1986	C8			N				
21	4	1986	E1			N				
21	4	1986	E2			N				
21	4	1986	E3			N				
21	4	1986	E4			N				
22	4	1986	C1			N				
22	4	1986	C2			N				
22	4	1986	C3			N				
22	4	1986	C4			N				
22	4	1986	C5			N				
22	4	1986	C6			N				
22	4	1986	C7			N				
22	4	1986	C8			N				
22	4	1986	E1			N				

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
22	4	1986	E2			N				
22	4	1986	E3			N				
22	4	1986	E4			N				
23	4	1986	C1			N				
23	4	1986	C2			N				
23	4	1986	C3			N				
23	4	1986	C4			N				
23	4	1986	C5			N				
23	4	1986	C6			N				
23	4	1986	C7			N				
23	4	1986	C8			N				
23	4	1986	E1			N				
23	4	1986	E2			N				
23	4	1986	E3			N				
23	4	1986	E4			N				
24	4	1986	C1			N				
24	4	1986	C2			N				
24	4	1986	C3			N				
24	4	1986	C4			N				
24	4	1986	C5			N				
24	4	1986	C6			N				
24	4	1986	C7			N				
24	4	1986	C8			N				
24	4	1986	E1			N				
24	4	1986	E2			N				
24	4	1986	E3			N				
24	4	1986	E4			N				
25	4	1986	C1			N				
25	4	1986	C2			N				
25	4	1986	C3			N				
25	4	1986	C4			N				
25	4	1986	C5			N				
25	4	1986	C6			N				
25	4	1986	C7			N				
25	4	1986	C8			N				
25	4	1986	E1			N				
25	4	1986	E2			N				
25	4	1986	E3			N				
25	4	1986	E4			N				
26	4	1986	C1	0.94	N	N				
26	4	1986	C2	0.88	Y	N				4.
26	4	1986	C3	0.83	Y	N				14.
26	4	1986	C4	0.9	N	N				0.
26	4	1986	C5	0.93	N	N				0.
26	4	1986	C6	0.83	Y	N				16.
26	4	1986	C7	0.88	Y	N				4.
26	4	1986	C8	0.92	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
26	4	1986	E1	0.93	N	N				0.
26	4	1986	E2	0.91	N	N				0.
26	4	1986	E3	0.88	Y	N				2.
26	4	1986	E4	0.89	Y	N				2.
27	4	1986	C1	0.78	N	N				
27	4	1986	C2	0.81	N	N				0.
27	4	1986	C3	0.81	N	N				0.
27	4	1986	C4	0.82	N	N				0.
27	4	1986	C5	0.92	N	N				0.
27	4	1986	C6	0.82	N	N				0.
27	4	1986	C7	0.82	N	N				0.
27	4	1986	C8	0.77	Y	N				
27	4	1986	E1	0.7	N	Y				
27	4	1986	E2	0.79	N	N				0.
27	4	1986	E3	0.71	N	N				
27	4	1986	E4	0.82	Y	N				
28	4	1986	C1	0.72	Y	N				
28	4	1986	C2	0.83	Y	N				
28	4	1986	C3	0.82	Y	N				
28	4	1986	C4	0.78	Y	N				
28	4	1986	C5	0.92	N	N				0.
28	4	1986	C6	0.81	Y	N				
28	4	1986	C7	0.89	N	N				
28	4	1986	C8	0.89	N	N				0.
28	4	1986	E1	0.66	N	Y				
28	4	1986	E2	0.86	Y	N				
28	4	1986	E3	0.56	Y	N				
28	4	1986	E4	0.88	Y	N				
29	4	1986	C1	0.92	N	N				0.
29	4	1986	C2	0.87	Y	N				10.
29	4	1986	C3	0.87	Y	N				4.
29	4	1986	C4	0.96	N	N				0.
29	4	1986	C5	0.92	N	N				0.
29	4	1986	C6	0.93	N	N				0.
29	4	1986	C7	0.9	N	N				0.
29	4	1986	C8	0.89	Y	N				2.
29	4	1986	E1	0.94	N	N				0.
29	4	1986	E2	0.9	N	N				0.
29	4	1986	E3	0.89	Y	N				6.
29	4	1986	E4	0.87	Y	N				6.
30	4	1986	C1	0.82	Y	N				28.
30	4	1986	C2	0.86	Y	N				8.
30	4	1986	C3	0.87	Y	N				4.
30	4	1986	C4	0.9	Y	N				2.
30	4	1986	C5	0.91	Y	N				2.
30	4	1986	C6	0.81	Y	N				32.
30	4	1986	C7	0.83	Y	N				22.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
30	4	1986	C8	0.82	Y	N				24.
30	4	1986	E1	0.76	Y	N				36.
30	4	1986	E2	0.81	Y	N				38.
30	4	1986	E3	0.8	Y	N				24.
30	4	1986	E4	0.83	Y	N				14.
1	5	1986	C1	0.88	Y	N				4.
1	5	1986	C2	0.86	Y	N				6.
1	5	1986	C3	0.85	Y	N				8.
1	5	1986	C4	0.86	Y	N				18.
1	5	1986	C5	0.9	N	N				0.
1	5	1986	C6	0.83	Y	N				18.
1	5	1986	C7	0.83	Y	N				20.
1	5	1986	C8	0.82	Y	N				16.
1	5	1986	E1	0.81	Y	N				20.
1	5	1986	E2	0.9	Y	N				8.
1	5	1986	E3	0.8	Y	N				28.
1	5	1986	E4	0.87	Y	N				4.
2	5	1986	C1	0.87	Y	N				14.
2	5	1986	C2	0.86	Y	N				12.
2	5	1986	C3	0.87	Y	N				8.
2	5	1986	C4	0.87	Y	N				6.
2	5	1986	C5	0.9	N	N				0.
2	5	1986	C6	0.8	Y	N				18.
2	5	1986	C7	0.85	Y	N				10.
2	5	1986	C8	0.84	Y	N				12.
2	5	1986	E1	0.8	Y	N				18.
2	5	1986	E2	0.88	Y	N				6.
2	5	1986	E3	0.82	Y	N				14.
2	5	1986	E4	0.86	Y	N				8.
3	5	1986	C1	0.81	Y	N				14.
3	5	1986	C2	0.82	Y	N				10.
3	5	1986	C3	0.83	Y	N				3.
3	5	1986	C4	0.85	Y	N				8.
3	5	1986	C5	0.9	N	N				0.
3	5	1986	C6	0.81	Y	N				16.
3	5	1986	C7	0.78	Y	N				20.
3	5	1986	C8	0.79	Y	N				34.
3	5	1986	E1	0.89	Y	N				8.
3	5	1986	E2	0.82	Y	N				8.
3	5	1986	E3	0.84	Y	N				12.
3	5	1986	E4	0.78	Y	N				18.
4	5	1986	C1	0.74	Y	N				2.
4	5	1986	C2	0.74	Y	N				2.
4	5	1986	C3	0.78	Y	N				2.
4	5	1986	C4	0.8	Y	N				2.
4	5	1986	C5	0.9	Y	N				2.
4	5	1986	C6	0.8	Y	N				2.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
4	5	1986	C7	0.87	Y	N				12.
4	5	1986	C8	0.86	Y	N				2.
4	5	1986	E1	0.79	Y	N				2.
4	5	1986	E2	0.78	Y	N				2.
4	5	1986	E3	0.74	Y	N				6.
4	5	1986	E4	0.82	Y	N				6.
5	5	1986	C1	0.67	Y	N				22.
5	5	1986	C2	0.69	Y	N				12.
5	5	1986	C3	0.75	Y	N				12.
5	5	1986	C4	0.77	Y	N				4.
5	5	1986	C5	0.86	Y	N				4.
5	5	1986	C6	0.83	Y	N				12.
5	5	1986	C7	0.8	Y	N				10.
5	5	1986	C8	0.8	Y	N				6.
5	5	1986	E1	0.66	Y	N				4.
5	5	1986	E2	0.68	Y	N				4.
5	5	1986	E3	0.6	Y	N				6.
5	5	1986	E4	0.78	Y	N				6.
6	5	1986	C1	0.75	Y	N				16.
6	5	1986	C2	0.73	Y	N				4.
6	5	1986	C3	0.8	Y	N				2.
6	5	1986	C4	0.75	Y	N				2.
6	5	1986	C5	0.86	Y	N				4.
6	5	1986	C6	0.87	Y	N				2.
6	5	1986	C7	0.83	Y	N				2.
6	5	1986	C8	0.83	Y	N				2.
6	5	1986	E1	0.67	Y	N				10.
6	5	1986	E2	0.68	Y	N				6.
6	5	1986	E3	0.61	Y	N				10.
6	5	1986	E4	0.79	Y	N				8.
7	5	1986	C1	0.8	Y	N				4.
7	5	1986	C2	0.74	Y	N				4.
7	5	1986	C3	0.75	Y	N				4.
7	5	1986	C4	0.75	Y	N				6.
7	5	1986	C5	0.86	Y	N				2.
7	5	1986	C6	0.82	Y	N				4.
7	5	1986	C7	0.8	Y	N				10.
7	5	1986	C8	0.8	Y	N				12.
7	5	1986	E1	0.7	Y	N				18.
7	5	1986	E2	0.7	Y	N				16.
7	5	1986	E3	0.64	Y	N				12.
7	5	1986	E4	0.8	Y	N				4.
8	5	1986	C1	0.88	Y	N				2.
8	5	1986	C2	0.82	Y	N				4.
8	5	1986	C3	0.75	Y	N				2.
8	5	1986	C4	0.75	Y	N				4.
8	5	1986	C5	0.87	Y	N				2.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
8	5	1986	C6	0.75	Y	N				2.
8	5	1986	C7	0.73	Y	N				6.
8	5	1986	C8	0.73	Y	N				10.
8	5	1986	E1	0.65	Y	N				2.
8	5	1986	E2	0.64	Y	N				2.
8	5	1986	E3	0.7	Y	N				6.
8	5	1986	E4	0.8	Y	N				4.
9	5	1986	C1	0.8	Y	N				10.
9	5	1986	C2	0.77	Y	N				6.
9	5	1986	C3	0.7	Y	N				36.
9	5	1986	C4	0.7	Y	N				18.
9	5	1986	C5	0.85	Y	N				4.
9	5	1986	C6	0.71	Y	N				14.
9	5	1986	C7	0.7	Y	N				14.
9	5	1986	C8	0.7	Y	N				8.
9	5	1986	E1	0.6	Y	N				10.
9	5	1986	E2	0.61	Y	N				10.
9	5	1986	E3	0.65	Y	N				14.
9	5	1986	E4	0.78	Y	N				6.
10	5	1986	C1	1.	N	N				0.
10	5	1986	C2	0.95	N	N				0.
10	5	1986	C3	0.94	N	N				0.
10	5	1986	C4	0.99	N	N				0.
10	5	1986	C5	0.93	N	N				0.
10	5	1986	C6	0.82	Y	N				24.
10	5	1986	C7	0.93	N	N				0.
10	5	1986	C8	0.93	N	N				0.
10	5	1986	E1	0.9	N	N				0.
10	5	1986	E2	0.92	N	N				0.
10	5	1986	E3	0.9	N	N				0.
10	5	1986	E4	0.89	Y	N				2.
11	5	1986	C1	0.96	N	N				0.
11	5	1986	C2	0.91	N	N				0.
11	5	1986	C3	0.9	N	N				0.
11	5	1986	C4	0.86	Y	N				8.
11	5	1986	C5	0.88	Y	N				8.
11	5	1986	C6	0.89	Y	N				2.
11	5	1986	C7	0.9	N	N				0.
11	5	1986	C8	0.9	Y	N				10.
11	5	1986	E1	0.9	N	N				0.
11	5	1986	E2	0.91	N	N				0.
11	5	1986	E3	0.92	N	N				0.
11	5	1986	E4	0.9	N	N				0.
12	5	1986	C1	1.	N	N				0.
12	5	1986	C2	0.95	N	N				0.
12	5	1986	C3	0.92	N	N				0.
12	5	1986	C4	0.91	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
12	5	1986	C5	0.92	N	N				0.
12	5	1986	C6	0.93	N	N				0.
12	5	1986	C7	0.92	N	N				0.
12	5	1986	C8	0.92	N	N				0.
12	5	1986	E1	0.95	N	N				0.
12	5	1986	E2	0.93	N	N				0.
12	5	1986	E3	0.9	N	N				0.
12	5	1986	E4	0.9	N	N				0.
13	5	1986	C1	0.86	Y	N				8.
13	5	1986	C2	0.84	Y	N				12.
13	5	1986	C3	0.81	Y	N				20.
13	5	1986	C4	0.94	N	N				0.
13	5	1986	C5	0.93	N	N				0.
13	5	1986	C6	0.88	Y	N				8.
13	5	1986	C7	0.88	Y	N				
13	5	1986	C8	0.88	Y	N				20.
13	5	1986	E1	0.99	N	N				0.
13	5	1986	E2	0.96	N	N				0.
13	5	1986	E3	0.87	Y	N				12.
13	5	1986	E4	0.88	Y	N				6.
14	5	1986	C1	0.95	N	N				0.
14	5	1986	C2	0.88	Y	N				14.
14	5	1986	C3	0.88	Y	N				6.
14	5	1986	C4	0.86	N	N				0.
14	5	1986	C5	0.93	Y	N				0.
14	5	1986	C6	0.9	N	N				0.
14	5	1986	C7	0.88	Y	N				4.
14	5	1986	C8	0.88	Y	N				4.
14	5	1986	E1	0.97	N	N				0.
14	5	1986	E2	0.92	N	N				0.
14	5	1986	E3	0.9	N	N				0.
14	5	1986	E4	0.92	N	N				0.
15	5	1986	C1	0.84	Y	N				8.
15	5	1986	C2	0.82	Y	N				18.
15	5	1986	C3	0.8	Y	N				20.
15	5	1986	C4	0.86	Y	N				10.
15	5	1986	C5	0.93	N	N				0.
15	5	1986	C6	0.91	N	N				0.
15	5	1986	C7	0.89	Y	N				6.
15	5	1986	C8	0.89	Y	N				32.
15	5	1986	E1	0.72	Y	N				42.
15	5	1986	E2	0.87	Y	N				14.
15	5	1986	E3	0.85	Y	N				10.
15	5	1986	E4	0.86	Y	N				8.
16	5	1986	C1	0.87	Y	N				8.
16	5	1986	C2	0.87	Y	N				8.
16	5	1986	C3	0.84	Y	N				12.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
16	5	1986	C4	0.87	Y	N				10.
16	5	1986	C5	0.91	N	N				0.
16	5	1986	C6	0.79	Y	N				28.
16	5	1986	C7	0.81	Y	N				22.
16	5	1986	C8	0.81	Y	N				10.
16	5	1986	E1	0.89	Y	N				16.
16	5	1986	E2	0.86	Y	N				12.
16	5	1986	E3	0.82	Y	N				16.
16	5	1986	E4	0.87	Y	N				6.
17	5	1986	C1	0.84	Y	N				12.
17	5	1986	C2	0.8	Y	N				20.
17	5	1986	C3	0.78	Y	N				22.
17	5	1986	C4	0.84	Y	N				12.
17	5	1986	C5	0.92	N	N				0.
17	5	1986	C6	0.88	Y	N				6.
17	5	1986	C7	0.88	Y	N				4.
17	5	1986	C8	0.88	Y	N				26.
17	5	1986	E1	0.8	Y	N				26.
17	5	1986	E2	0.79	Y	N				20.
17	5	1986	E3	0.72	Y	N				32.
17	5	1986	E4	0.8	Y	N				16.
18	5	1986	C1	0.87	Y	N				6.
18	5	1986	C2	0.89	Y	N				2.
18	5	1986	C3	0.86	Y	N				6.
18	5	1986	C4	0.85	Y	N				10.
18	5	1986	C5	0.92	N	N				0.
18	5	1986	C6	0.85	Y	N				14.
18	5	1986	C7	0.87	Y	N				6.
18	5	1986	C8	0.87	Y	N				10.
18	5	1986	E1	0.87	Y	N				14.
18	5	1986	E2	0.85	Y	N				10.
18	5	1986	E3	0.75	Y	N				28.
18	5	1986	E4	0.85	Y	N				6.
19	5	1986	C1	0.85	Y	N				14.
19	5	1986	C2	0.87	Y	N				2.
19	5	1986	C3	0.85	Y	N				10.
19	5	1986	C4	0.84	Y	N				9.
19	5	1986	C5	0.92	N	N				0.
19	5	1986	C6	0.83	Y	N				10.
19	5	1986	C7	0.86	Y	N				2.
19	5	1986	C8	0.86	Y	N				22.
19	5	1986	E1	0.82	Y	N				22.
19	5	1986	E2	0.83	Y	N				18.
19	5	1986	E3	0.79	Y	N				30.
19	5	1986	E4	0.84	Y	N				8.
20	5	1986	C1	0.87	Y	N				12.
20	5	1986	C2	0.85	Y	N				10.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
20	5	1986	C3	0.85	Y	N				8.
20	5	1986	C4	0.89	Y	N				6.
20	5	1986	C5	0.9	N	N				0.
20	5	1986	C6	0.8	Y	N				22.
20	5	1986	C7	0.82	Y	N				16.
20	5	1986	C8	0.83	Y	N				24.
20	5	1986	E1	0.79	Y	N				24.
20	5	1986	E2	0.83	Y	N				16.
20	5	1986	E3	0.79	Y	N				24.
20	5	1986	E4	0.81	Y	N				
21	5	1986	C1	0.86	Y	N				8.
21	5	1986	C2	0.87	Y	N				6.
21	5	1986	C3	0.87	Y	N				2.
21	5	1986	C4	0.87	Y	N				4.
21	5	1986	C5	0.91	N	N				0.
21	5	1986	C6	0.8	Y	N				20.
21	5	1986	C7	0.83	Y	N				16.
21	5	1986	C8	0.83	Y	N				10.
21	5	1986	E1	0.78	Y	N				22.
21	5	1986	E2	0.84	Y	N				12.
21	5	1986	E3	0.78	Y	N				14.
21	5	1986	E4	0.88	Y	N				4.
22	5	1986	C1	0.84	Y	N				10.
22	5	1986	C2	0.84	Y	N				8.
22	5	1986	C3	0.83	Y	N				10.
22	5	1986	C4	0.81	Y	N				18.
22	5	1986	C5	0.91	N	N				0.
22	5	1986	C6	0.85	Y	N				8.
22	5	1986	C7	0.84	Y	N				12.
22	5	1986	C8	0.78	Y	N				14.
22	5	1986	E1	0.75	Y	N				4.
22	5	1986	E2	0.86	Y	N				8.
22	5	1986	E3	0.8	Y	N				18.
22	5	1986	E4	0.87	Y	N				2.
23	5	1986	C1	0.85	Y	N				6.
23	5	1986	C2	0.85	Y	N				8.
23	5	1986	C3	0.8	Y	N				14.
23	5	1986	C4	0.8	Y	N				12.
23	5	1986	C5	0.91	N	N				0.
23	5	1986	C6	0.78	Y	N				10.
23	5	1986	C7	0.82	Y	N				14.
23	5	1986	C8	0.7	Y	N				32.
23	5	1986	E1	0.75	Y	N				12.
23	5	1986	E2	0.8	Y	N				16.
23	5	1986	E3	0.81	Y	N				6.
23	5	1986	E4	0.83	Y	N				6.
24	5	1986	C1	0.86	Y	N				18.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
24	5	1986	C2	0.86	Y	N				18.
24	5	1986	C3	0.85	Y	N				16.
24	5	1986	C4	0.83	Y	N				14.
24	5	1986	C5	0.91	N	N				0.
24	5	1986	C6	0.8	Y	N				24.
24	5	1986	C7	0.84	Y	N				12.
24	5	1986	C8	0.82	Y	N				24.
24	5	1986	E1	0.77	Y	N				26.
24	5	1986	E2	0.83	Y	N				16.
24	5	1986	E3	0.85	Y	N				14.
24	5	1986	E4	0.84	Y	N				12.
25	5	1986	C1	0.87	Y	N				6.
25	5	1986	C2	0.86	Y	N				8.
25	5	1986	C3	0.84	Y	N				14.
25	5	1986	C4	0.85	Y	N				10.
25	5	1986	C5	0.91	N	N				0.
25	5	1986	C6	0.84	Y	N				20.
25	5	1986	C7	0.85	Y	N				14.
25	5	1986	C8	0.83	Y	N				14.
25	5	1986	E1	0.86	Y	N				8.
25	5	1986	E2	0.82	Y	N				18.
25	5	1986	E3	0.86	Y	N				8.
25	5	1986	E4	0.85	Y	N				6.
26	5	1986	C1	0.86	Y	N				4.
26	5	1986	C2	0.85	Y	N				10.
26	5	1986	C3	0.85	Y	N				6.
26	5	1986	C4	0.84	Y	N				12.
26	5	1986	C5	0.91	N	N				0.
26	5	1986	C6	0.87	Y	N				10.
26	5	1986	C7	0.85	Y	N				10.
26	5	1986	C8	0.84	Y	N				12.
26	5	1986	E1	0.87	Y	N				6.
26	5	1986	E2	0.8	Y	N				22.
26	5	1986	E3	0.83	Y	N				14.
26	5	1986	E4	0.84	Y	N				8.
27	5	1986	C1	0.84	Y	N				8.
27	5	1986	C2	0.75	Y	N				12.
27	5	1986	C3	0.76	Y	N				8.
27	5	1986	C4	0.87	Y	N				2.
27	5	1986	C5	0.89	Y	N				6.
27	5	1986	C6	0.82	Y	N				6.
27	5	1986	C7	0.8	Y	N				6.
27	5	1986	C8	0.85	Y	N				6.
27	5	1986	E1	0.8	Y	N				8.
27	5	1986	E2	0.8	Y	N				12.
27	5	1986	E3	0.85	Y	N				4.
27	5	1986	E4	0.84	Y	N				4.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
28	5	1986	C1	0.87	Y	N				2.
28	5	1986	C2	0.81	Y	N				4.
28	5	1986	C3	0.8	Y	N				4.
28	5	1986	C4	0.88	Y	N				2.
28	5	1986	C5	0.87	Y	N				4.
28	5	1986	C6	0.74	Y	N				2.
28	5	1986	C7	0.73	Y	N				6.
28	5	1986	C8	0.74	Y	N				12.
28	5	1986	E1	0.8	Y	N				14.
28	5	1986	E2	0.82	Y	N				8.
28	5	1986	E3	0.8	Y	N				2.
28	5	1986	E4	0.81	Y	N				8.
29	5	1986	C1	0.86	Y	N				4.
29	5	1986	C2	0.78	Y	N				44.
29	5	1986	C3	0.78	Y	N				4.
29	5	1986	C4	0.83	Y	N				6.
29	5	1986	C5	0.85	Y	N				6.
29	5	1986	C6	0.81	Y	N				18.
29	5	1986	C7	0.8	Y	N				8.
29	5	1986	C8	0.69	Y	N				18.
29	5	1986	E1	0.86	Y	N				8.
29	5	1986	E2	0.85	Y	N				10.
29	5	1986	E3	0.8	Y	N				16.
29	5	1986	E4	0.84	Y	N				4.
30	5	1986	C1	0.87	Y	N				6.
30	5	1986	C2	0.79	Y	N				22.
30	5	1986	C3	0.79	Y	N				22.
30	5	1986	C4	0.84	Y	N				10.
30	5	1986	C5	0.87	Y	N				6.
30	5	1986	C6	0.82	Y	N				18.
30	5	1986	C7	0.81	Y	N				18.
30	5	1986	C8	0.73	Y	N				34.
30	5	1986	E1	0.85	Y	N				10.
30	5	1986	E2	0.87	Y	N				4.
30	5	1986	E3	0.8	Y	N				12.
30	5	1986	E4	0.79	Y	N				18.
31	5	1986	C1	0.88	Y	N				14.
31	5	1986	C2	0.86	Y	N				28.
31	5	1986	C3	0.88	Y	N				4.
31	5	1986	C4	0.85	Y	N				26.
31	5	1986	C5	0.88	Y	N				6.
31	5	1986	C6	0.86	Y	N				14.
31	5	1986	C7	0.85	Y	N				12.
31	5	1986	C8	0.87	Y	N				10.
31	5	1986	E1	0.87	Y	N				20.
31	5	1986	E2	0.87	Y	N				26.
31	5	1986	E3	0.84	Y	N				12.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
31	5	1986	E4	0.84	Y	N				12.
1	6	1986	C1	0.87	Y	N				18.
1	6	1986	C2	0.85	Y	N				14.
1	6	1986	C3	0.87	Y	N				6.
1	6	1986	C4	0.84	Y	N				12.
1	6	1986	C5	0.89	Y	N				2.
1	6	1986	C6	0.86	Y	N				10.
1	6	1986	C7	0.84	Y	N				12.
1	6	1986	C8	0.84	Y	N				22.
1	6	1986	E1	0.86	Y	N				20.
1	6	1986	E2	0.85	Y	N				10.
1	6	1986	E3	0.82	Y	N				18.
1	6	1986	E4	0.82	Y	N				16.
2	6	1986	C1	0.88	Y	N				6.
2	6	1986	C2	0.82	Y	N				16.
2	6	1986	C3	0.86	Y	N				8.
2	6	1986	C4	0.85	Y	N				16.
2	6	1986	C5	0.9	Y	N				6.
2	6	1986	C6	0.84	Y	N				20.
2	6	1986	C7	0.83	Y	N				14.
2	6	1986	C8	0.85	Y	N				10.
2	6	1986	E1	0.87	Y	N				22.
2	6	1986	E2	0.86	Y	N				8.
2	6	1986	E3	0.85	Y	N				10.
2	6	1986	E4	0.87	Y	N				6.
3	6	1986	C1	0.86	Y	N				16.
3	6	1986	C2	0.8	Y	N				24.
3	6	1986	C3	0.79	Y	N				22.
3	6	1986	C4	0.89	Y	N				10.
3	6	1986	C5	0.9	N	N				0.
3	6	1986	C6	0.84	Y	N				16.
3	6	1986	C7	0.8	Y	N				20.
3	6	1986	C8	0.78	Y	N				24.
3	6	1986	E1	0.81	Y	N				30.
3	6	1986	E2	0.82	Y	N				20.
3	6	1986	E3	0.82	Y	N				16.
3	6	1986	E4	0.83	Y	N				14.
4	6	1986	C1	0.88	Y	N				12.
4	6	1986	C2	0.87	Y	N				10.
4	6	1986	C3	0.82	Y	N				22.
4	6	1986	C4	0.86	Y	N				20.
4	6	1986	C5	0.9	N	N				0.
4	6	1986	C6	0.85	Y	N				18.
4	6	1986	C7	0.83	Y	N				22.
4	6	1986	C8	0.85	Y	N				10.
4	6	1986	E1	0.88	Y	N				20.
4	6	1986	E2	0.86	Y	N				26.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
4	6	1986	E3	0.82	Y	N				18.
4	6	1986	E4	0.8	Y	N				20.
5	6	1986	C1	0.88	Y	N				12.
5	6	1986	C2	0.83	Y	N				18.
5	6	1986	C3	0.8	Y	N				20.
5	6	1986	C4	0.83	Y	N				22.
5	6	1986	C5	0.9	N	N				0.
5	6	1986	C6	0.82	Y	N				16.
5	6	1986	C7	0.85	Y	N				16.
5	6	1986	C8	0.77	Y	N				30.
5	6	1986	E1	0.82	Y	N				20.
5	6	1986	E2	0.87	Y	N				16.
5	6	1986	E3	0.82	Y	N				16.
5	6	1986	E4	0.85	Y	N				18.
6	6	1986	C1	0.87	Y	N				20.
6	6	1986	C2	0.82	Y	N				18.
6	6	1986	C3	0.81	Y	N				18.
6	6	1986	C4	0.84	Y	N				18.
6	6	1986	C5	0.9	N	N				0.
6	6	1986	C6	0.8	Y	N				20.
6	6	1986	C7	0.82	Y	N				16.
6	6	1986	C8	0.81	Y	N				20.
6	6	1986	E1	0.84	Y	N				24.
6	6	1986	E2	0.8	Y	N				32.
6	6	1986	E3	0.82	Y	N				18.
6	6	1986	E4	0.78	Y	N				26.
7	6	1986	C1	0.93	N	N				0.
7	6	1986	C2	0.9	N	N				0.
7	6	1986	C3	0.93	N	N				0.
7	6	1986	C4	0.9	N	N				0.
7	6	1986	C5	0.94	Y	N				0.
7	6	1986	C6	0.99	Y	N				0.
7	6	1986	C7	0.98	N	N				0.
7	6	1986	C8	0.94	Y	N				0.
7	6	1986	E1	0.82	Y	N				24.
7	6	1986	E2	0.82	Y	N				18.
7	6	1986	E3	0.9	N	N				0.
7	6	1986	E4	0.97	N	N				0.
8	6	1986	C1	0.9	N	N				0.
8	6	1986	C2	0.87	Y	N				10.
8	6	1986	C3	0.82	Y	N				16.
8	6	1986	C4	0.86	Y	N				8.
8	6	1986	C5	0.9	N	N				0.
8	6	1986	C6	0.85	Y	N				16.
8	6	1986	C7	0.83	Y	N				18.
8	6	1986	C8	0.84	Y	N				12.
8	6	1986	E1	0.86	Y	N				8.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
8	6	1986	E2	0.85	Y	N				16.
8	6	1986	E3	0.82	Y	N				18.
8	6	1986	E4	0.8	N	N				20.
9	6	1986	C1	0.87	Y	N				14.
9	6	1986	C2	0.82	Y	N				20.
9	6	1986	C3	0.8	Y	N				20.
9	6	1986	C4	0.82	Y	N				16.
9	6	1986	C5	0.9	N	N				0.
9	6	1986	C6	0.83	Y	N				18.
9	6	1986	C7	0.84	Y	N				22.
9	6	1986	C8	0.79	Y	N				30.
9	6	1986	E1	0.83	Y	N				18.
9	6	1986	E2	0.86	Y	N				20.
9	6	1986	E3	0.81	Y	N				18.
9	6	1986	E4	0.83	Y	N				14.
10	6	1986	C1	0.86	Y	N				14.
10	6	1986	C2	0.83	Y	N				14.
10	6	1986	C3	0.84	Y	N				16.
10	6	1986	C4	0.83	Y	N				16.
10	6	1986	C5	0.9	N	N				0.
10	6	1986	C6	0.86	Y	N				8.
10	6	1986	C7	0.83	Y	N				26.
10	6	1986	C8	0.8	Y	N				26.
10	6	1986	E1	0.81	Y	N				22.
10	6	1986	E2	0.85	Y	N				18.
10	6	1986	E3	0.82	Y	N				16.
10	6	1986	E4	0.83	Y	N				14.
11	6	1986	C1	0.86	Y	N				24.
11	6	1986	C2	0.84	Y	N				14.
11	6	1986	C3	0.81	Y	N				24.
11	6	1986	C4	0.87	Y	N				16.
11	6	1986	C5	0.96	N	N				0.
11	6	1986	C6	0.86	Y	N				16.
11	6	1986	C7	0.85	Y	N				10.
11	6	1986	C8	0.83	Y	N				14.
11	6	1986	E1	0.84	Y	N				24.
11	6	1986	E2	0.85	Y	N				16.
11	6	1986	E3	0.83	Y	N				20.
11	6	1986	E4	0.85	Y	N				14.
12	6	1986	C1	0.87	Y	N				10.
12	6	1986	C2	0.85	Y	N				10.
12	6	1986	C3	0.8	Y	N				22.
12	6	1986	C4	0.86	Y	N				20.
12	6	1986	C5	0.96	N	N				0.
12	6	1986	C6	0.88	Y	N				14.
12	6	1986	C7	0.87	Y	N				10.
12	6	1986	C8	0.82	Y	N				16.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
12	6	1986	E1	0.84	Y	N				28.
12	6	1986	E2	0.88	Y	N				16.
12	6	1986	E3	0.85	Y	N				18.
12	6	1986	E4	0.84	Y	N				18.
13	6	1986	C1	0.88	Y	N				12.
13	6	1986	C2	0.84	Y	N				16.
13	6	1986	C3	0.81	Y	N				20.
13	6	1986	C4	0.86	Y	N				16.
13	6	1986	C5	0.9	N	N				0.
13	6	1986	C6	0.86	Y	N				8.
13	6	1986	C7	0.82	Y	N				20.
13	6	1986	C8	0.7	Y	N				20.
13	6	1986	E1	0.83	Y	N				24.
13	6	1986	E2	0.88	Y	N				6.
13	6	1986	E3	0.84	Y	N				18.
13	6	1986	E4	0.83	Y	N				14.
14	6	1986	C1	0.84	Y	N				14.
14	6	1986	C2	0.81	Y	N				18.
14	6	1986	C3	0.79	Y	N				24.
14	6	1986	C4	0.8	Y	N				24.
14	6	1986	C5	0.9	N	N				0.
14	6	1986	C6	0.8	Y	N				28.
14	6	1986	C7	0.77	Y	N				30.
14	6	1986	C8	0.69	Y	N				42.
14	6	1986	E1	0.8	Y	N				20.
14	6	1986	E2	0.82	Y	N				22.
14	6	1986	E3	0.8	Y	N				22.
14	6	1986	E4	0.81	Y	N				18.
15	6	1986	C1	0.85	Y	N				14.
15	6	1986	C2	0.82	Y	N				16.
15	6	1986	C3	0.8	Y	N				24.
15	6	1986	C4	0.82	Y	N				16.
15	6	1986	C5	0.9	N	N				0.
15	6	1986	C6	0.81	Y	N				28.
15	6	1986	C7	0.82	Y	N				22.
15	6	1986	C8	0.83	Y	N				30.
15	6	1986	E1	0.83	Y	N				22.
15	6	1986	E2	0.86	Y	N				22.
15	6	1986	E3	0.82	Y	N				22.
15	6	1986	E4	0.81	Y	N				30.
16	6	1986	C1	0.86	Y	N				26.
16	6	1986	C2	0.84	Y	N				12.
16	6	1986	C3	0.82	Y	N				16.
16	6	1986	C4	0.83	Y	N				30.
16	6	1986	C5	0.95	N	N				0.
16	6	1986	C6	0.85	Y	N				26.
16	6	1986	C7	0.84	Y	N				22.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
16	6	1986	C8	0.87	Y	N				24.
16	6	1986	E1	0.88	Y	N				12.
16	6	1986	E2	0.86	Y	N				28.
16	6	1986	E3	0.84	Y	N				14.
16	6	1986	E4	0.86	Y	N				8.
17	6	1986	C1	0.87	Y	N				14.
17	6	1986	C2	0.84	Y	N				14.
17	6	1986	C3	0.82	Y	N				16.
17	6	1986	C4	0.86	Y	N				22.
17	6	1986	C5	1.	N	N				0.
17	6	1986	C6	0.89	Y	N				6.
17	6	1986	C7	0.88	Y	N				4.
17	6	1986	C8	0.83	Y	N				16.
17	6	1986	E1	0.87	Y	N				22.
17	6	1986	E2	0.88	Y	N				12.
17	6	1986	E3	0.88	Y	N				6.
17	6	1986	E4	0.83	Y	N				14.
18	6	1986	C1	0.88	Y	N				4.
18	6	1986	C2	0.79	Y	N				26.
18	6	1986	C3	0.8	Y	N				22.
18	6	1986	C4	0.87	Y	N				26.
18	6	1986	C5	0.98	N	N				0.
18	6	1986	C6	0.87	Y	N				6.
18	6	1986	C7	0.86	Y	N				8.
18	6	1986	C8	0.8	Y	N				38.
18	6	1986	E1	0.8	Y	N				20.
18	6	1986	E2	0.87	Y	N				10.
18	6	1986	E3	0.82	Y	N				16.
18	6	1986	E4	0.88	Y	N				4.
19	6	1986	C1	0.89	Y	N				2.
19	6	1986	C2	0.88	Y	N				4.
19	6	1986	C3	0.9	N	N				0.
19	6	1986	C4	0.89	Y	N				22.
19	6	1986	C5	0.95	N	N				0.
19	6	1986	C6	0.82	Y	N				16.
19	6	1986	C7	0.85	Y	N				10.
19	6	1986	C8	0.81	Y	N				24.
19	6	1986	E1	0.81	Y	N				20.
19	6	1986	E2	0.93	N	N				0.
19	6	1986	E3	0.83	Y	N				16.
19	6	1986	E4	0.81	Y	N				18.
20	6	1986	C1	0.87	Y	N				10.
20	6	1986	C2	0.8	Y	N				20.
20	6	1986	C3	0.78	Y	N				26.
20	6	1986	C4	0.87	Y	N				12.
20	6	1986	C5	0.92	N	N				0.
20	6	1986	C6	0.83	Y	N				22.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
20	6	1986	C7	0.85	Y	N				14.
20	6	1986	C8	0.83	Y	N				14.
20	6	1986	E1	0.83	Y	N				24.
20	6	1986	E2	0.88	Y	N				4.
20	6	1986	E3	0.82	Y	N				18.
20	6	1986	E4	0.81	Y	N				18.
21	6	1986	C1	0.86	Y	N				12.
21	6	1986	C2	0.87	Y	N				8.
21	6	1986	C3	0.76	Y	N				28.
21	6	1986	C4	0.85	Y	N				14.
21	6	1986	C5	0.91	N	N				0.
21	6	1986	C6	0.86	Y	N				12.
21	6	1986	C7	0.84	Y	N				14.
21	6	1986	C8	0.74	Y	N				32.
21	6	1986	E1	0.84	Y	N				20.
21	6	1986	E2	0.86	Y	N				12.
21	6	1986	E3	0.82	Y	N				20.
21	6	1986	E4	0.81	Y	N				18.
22	6	1986	C1	0.85	Y	N				12.
22	6	1986	C2	0.86	Y	N				8.
22	6	1986	C3	0.8	Y	N				20.
22	6	1986	C4	0.83	Y	N				14.
22	6	1986	C5	0.9	N	N				0.
22	6	1986	C6	0.87	Y	N				10.
22	6	1986	C7	0.85	Y	N				10.
22	6	1986	C8	0.8	Y	N				26.
22	6	1986	E1	0.82	Y	N				26.
22	6	1986	E2	0.85	Y	N				16.
22	6	1986	E3	0.83	Y	N				14.
22	6	1986	E4	0.82	Y	N				18.
23	6	1986	C1	0.87	Y	N				6.
23	6	1986	C2	0.79	Y	N				22.
23	6	1986	C3	0.78	Y	N				26.
23	6	1986	C4	0.81	Y	N				22.
23	6	1986	C5	0.9	N	N				0.
23	6	1986	C6	0.87	Y	N				8.
23	6	1986	C7	0.86	Y	N				14.
23	6	1986	C8	0.83	Y	N				14.
23	6	1986	E1	0.85	Y	N				12.
23	6	1986	E2	0.86	Y	N				18.
23	6	1986	E3	0.83	Y	N				14.
23	6	1986	E4	0.85	Y	N				10.
24	6	1986	C1	0.88	Y	N				4.
24	6	1986	C2	0.86	Y	N				8.
24	6	1986	C3	0.84	Y	N				14.
24	6	1986	C4	0.87	Y	N				12.
24	6	1986	C5	0.89	Y	N				2.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
24	6	1986	C6	0.87	Y	N				20.
24	6	1986	C7	0.85	Y	N				20.
24	6	1986	C8	0.84	Y	N				30.
24	6	1986	E1	0.87	Y	N				22.
24	6	1986	E2	0.88	Y	N				10.
24	6	1986	E3	0.86	Y	N				10.
24	6	1986	E4	0.85	Y	N				10.
25	6	1986	C1	0.87	Y	N				6.
25	6	1986	C2	0.81	Y	N				18.
25	6	1986	C3	0.79	Y	N				24.
25	6	1986	C4	0.88	Y	N				12.
25	6	1986	C5	0.87	Y	N				6.
25	6	1986	C6	0.84	Y	N				24.
25	6	1986	C7	0.87	Y	N				12.
25	6	1986	C8	0.82	Y	N				16.
25	6	1986	E1	0.86	Y	N				20.
25	6	1986	E2	0.87	Y	N				24.
25	6	1986	E3	0.87	Y	N				6.
25	6	1986	E4	0.86	Y	N				8.
26	6	1986	C1	0.88	Y	N				12.
26	6	1986	C2	0.82	Y	N				16.
26	6	1986	C3	0.8	Y	N				20.
26	6	1986	C4	0.88	Y	N				4.
26	6	1986	C5	0.85	Y	N				4.
26	6	1986	C6	0.78	Y	N				28.
26	6	1986	C7	0.8	Y	N				22.
26	6	1986	C8	0.78	Y	N				24.
26	6	1986	E1	0.79	Y	N				26.
26	6	1986	E2	0.88	Y	N				10.
26	6	1986	E3	0.8	Y	N				22.
26	6	1986	E4	0.79	Y	N				22.
27	6	1986	C1	0.88	Y	N				14.
27	6	1986	C2	0.89	Y	N				2.
27	6	1986	C3	0.87	Y	N				6.
27	6	1986	C4	0.88	Y	N				12.
27	6	1986	C5	0.87	Y	N				22.
27	6	1986	C6	0.88	Y	N				4.
27	6	1986	C7	0.86	Y	N				14.
27	6	1986	C8	0.73	Y	N				44.
27	6	1986	E1	0.81	Y	N				22.
27	6	1986	E2	0.86	Y	N				10.
27	6	1986	E3	0.79	Y	N				22.
27	6	1986	E4	0.82	Y	N				14.
28	6	1986	C1	0.88	Y	N				10.
28	6	1986	C2	0.88	Y	N				8.
28	6	1986	C3	0.87	Y	N				10.
28	6	1986	C4	0.87	Y	N				6.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
28	6	1986	C5	0.98	N	N				0.
28	6	1986	C6	0.82	Y	N				20.
28	6	1986	C7	0.81	Y	N				20.
28	6	1986	C8	0.83	Y	N				14.
28	6	1986	E1	0.83	Y	N				16.
28	6	1986	E2	0.8	Y	N				24.
28	6	1986	E3	0.75	Y	N				30.
28	6	1986	E4	0.83	Y	N				12.
29	6	1986	C1	0.88	Y	N				10.
29	6	1986	C2	0.87	Y	N				10.
29	6	1986	C3	0.87	Y	N				6.
29	6	1986	C4	0.88	Y	N				4.
29	6	1986	C5	0.98	N	N				0.
29	6	1986	C6	0.84	Y	N				30.
29	6	1986	C7	0.83	Y	N				18.
29	6	1986	C8	0.82	Y	N				22.
29	6	1986	E1	0.82	Y	N				20.
29	6	1986	E2	0.81	Y	N				20.
29	6	1986	E3	0.8	Y	N				26.
29	6	1986	E4	0.83	Y	N				14.
30	6	1986	C1	0.88	Y	N				14.
30	6	1986	C2	0.89	Y	N				6.
30	6	1986	C3	0.87	Y	N				6.
30	6	1986	C4	0.89	Y	N				10.
30	6	1986	C5	0.98	N	N				0.
30	6	1986	C6	0.84	Y	N				16.
30	6	1986	C7	0.84	Y	N				20.
30	6	1986	C8	0.85	Y	N				20.
30	6	1986	E1	0.84	Y	N				12.
30	6	1986	E2	0.83	Y	N				14.
30	6	1986	E3	0.85	Y	N				16.
30	6	1986	E4	0.83	Y	N				14.
1	7	1986	C1	0.88	Y	N				4.
1	7	1986	C2	0.85	Y	N				10.
1	7	1986	C3	0.83	Y	N				12.
1	7	1986	C4	0.83	Y	N				20.
1	7	1986	C5	0.98	N	N				0.
1	7	1986	C6	0.84	Y	N				14.
1	7	1986	C7	0.86	Y	N				22.
1	7	1986	C8	0.83	Y	N				24.
1	7	1986	E1	0.76	Y	N				48.
1	7	1986	E2	0.82	Y	N				34.
1	7	1986	E3	0.86	Y	N				8.
1	7	1986	E4	0.84	Y	N				10.
2	7	1986	C1	0.87	Y	N				6.
2	7	1986	C2	0.86	Y	N				8.
2	7	1986	C3	0.83	Y	N				12.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
2	7	1986	C4	0.85	Y	N				10.
2	7	1986	C5	0.97	N	N				0.
2	7	1986	C6	0.8	Y	N				26.
2	7	1986	C7	0.83	Y	N				14.
2	7	1986	C8	0.82	Y	N				20.
2	7	1986	E1	0.85	Y	N				16.
2	7	1986	E2	0.86	Y	N				10.
2	7	1986	E3	0.83	Y	N				14.
2	7	1986	E4	0.82	Y	N				14.
3	7	1986	C1	0.86	Y	N				8.
3	7	1986	C2	0.83	Y	N				14.
3	7	1986	C3	0.8	Y	N				22.
3	7	1986	C4	0.87	Y	N				12.
3	7	1986	C5	0.96	N	N				0.
3	7	1986	C6	0.83	Y	N				24.
3	7	1986	C7	0.8	Y	N				20.
3	7	1986	C8	0.81	Y	N				18.
3	7	1986	E1	0.84	Y	N				12.
3	7	1986	E2	0.87	Y	N				6.
3	7	1986	E3	0.82	Y	N				16.
3	7	1986	E4	0.83	Y	N				14.
4	7	1986	C1	0.87	Y	N				6.
4	7	1986	C2	0.84	Y	N				12.
4	7	1986	C3	0.82	Y	N				14.
4	7	1986	C4	0.84	Y	N				16.
4	7	1986	C5	0.96	N	N				0.
4	7	1986	C6	0.84	Y	N				14.
4	7	1986	C7	0.82	Y	N				16.
4	7	1986	C8	0.8	Y	N				22.
4	7	1986	E1	0.79	Y	N				30.
4	7	1986	E2	0.8	Y	N				20.
4	7	1986	E3	0.86	Y	N				10.
4	7	1986	E4	0.84	Y	N				12.
5	7	1986	C1	0.87	Y	N				26.
5	7	1986	C2	0.85	Y	N				14.
5	7	1986	C3	0.83	Y	N				20.
5	7	1986	C4	0.86	Y	N				16.
5	7	1986	C5	0.94	N	N				0.
5	7	1986	C6	0.83	Y	N				18.
5	7	1986	C7	0.83	Y	N				20.
5	7	1986	C8	0.82	Y	N				16.
5	7	1986	E1	0.84	Y	N				30.
5	7	1986	E2	0.86	Y	N				24.
5	7	1986	E3	0.85	Y	N				10.
5	7	1986	E4	0.84	Y	N				10.
6	7	1986	C1	0.85	Y	N				14.
6	7	1986	C2	0.84	Y	N				14.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
6	7	1986	C3	0.84	Y	N				12.
6	7	1986	C4	0.85	Y	N				16.
6	7	1986	C5	0.94	N	N				0.
6	7	1986	C6	0.84	Y	N				14.
6	7	1986	C7	0.83	Y	N				18.
6	7	1986	C8	0.81	Y	N				20.
6	7	1986	E1	0.83	Y	N				24.
6	7	1986	E2	0.87	Y	N				18.
6	7	1986	E3	0.86	Y	N				8.
6	7	1986	E4	0.84	Y	N				10.
7	7	1986	C1	0.84	Y	N				12.
7	7	1986	C2	0.83	Y	N				14.
7	7	1986	C3	0.81	Y	N				16.
7	7	1986	C4	0.86	Y	N				14.
7	7	1986	C5	0.94	N	N				0.
7	7	1986	C6	0.85	Y	N				24.
7	7	1986	C7	0.84	Y	N				20.
7	7	1986	C8	0.72	Y	N				42.
7	7	1986	E1	0.84	Y	N				28.
7	7	1986	E2	0.84	Y	N				20.
7	7	1986	E3	0.85	Y	N				14.
7	7	1986	E4	0.85	Y	N				8.
8	7	1986	C1	0.85	Y	N				16.
8	7	1986	C2	0.84	Y	N				12.
8	7	1986	C3	0.85	Y	N				8.
8	7	1986	C4	0.86	Y	N				8.
8	7	1986	C5	0.94	N	N				0.
8	7	1986	C6	0.87	Y	N				14.
8	7	1986	C7	0.86	Y	N				14.
8	7	1986	C8	0.81	Y	N				22.
8	7	1986	E1	0.86	Y	N				24.
8	7	1986	E2	0.87	Y	N				24.
8	7	1986	E3	0.86	Y	N				10.
8	7	1986	E4	0.86	Y	N				8.
9	7	1986	C1	0.87	Y	N				12.
9	7	1986	C2	0.88	Y	N				4.
9	7	1986	C3	0.86	Y	N				6.
9	7	1986	C4	0.87	Y	N				10.
9	7	1986	C5	0.94	N	N				0.
9	7	1986	C6	0.86	Y	N				24.
9	7	1986	C7	0.88	Y	N				6.
9	7	1986	C8	0.84	Y	N				26.
9	7	1986	E1	0.87	Y	N				24.
9	7	1986	E2	0.88	Y	N				14.
9	7	1986	E3	0.85	Y	N				10.
9	7	1986	E4	0.86	Y	N				6.
10	7	1986	C1	0.98	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
10	7	1986	C2	0.9	N	N				0.
10	7	1986	C3	0.92	N	N				0.
10	7	1986	C4	0.97	N	N				0.
10	7	1986	C5	0.86	N	N				0.
10	7	1986	C6	0.92	N	N				0.
10	7	1986	C7	0.88	Y	N				12.
10	7	1986	C8	0.89	Y	N				6.
10	7	1986	E1	0.95	N	N				0.
10	7	1986	E2	0.97	N	N				0.
10	7	1986	E3	0.94	N	N				0.
10	7	1986	E4	0.94	N	N				0.
11	7	1986	C1	0.87	Y	N				6.
11	7	1986	C2	0.83	Y	N				14.
11	7	1986	C3	0.83	Y	N				16.
11	7	1986	C4	0.94	N	N				0.
11	7	1986	C5	0.85	Y	N				10.
11	7	1986	C6	0.87	Y	N				12.
11	7	1986	C7	0.88	Y	N				8.
11	7	1986	C8	0.88	Y	N				10.
11	7	1986	E1	0.82	Y	N				24.
11	7	1986	E2	0.86	Y	N				14.
11	7	1986	E3	0.87	Y	N				10.
11	7	1986	E4	0.87	Y	N				6.
12	7	1986	C1	0.85	Y	N				18.
12	7	1986	C2	0.8	Y	N				24.
12	7	1986	C3	0.78	Y	N				24.
12	7	1986	C4	0.91	N	N				0.
12	7	1986	C5	0.85	Y	N				8.
12	7	1986	C6	0.86	Y	N				14.
12	7	1986	C7	0.86	Y	N				12.
12	7	1986	C8	0.85	Y	N				14.
12	7	1986	E1	0.87	Y	N				26.
12	7	1986	E2	0.88	Y	N				12.
12	7	1986	E3	0.86	Y	N				10.
12	7	1986	E4	0.85	Y	N				8.
13	7	1986	C1	0.84	Y	N				26.
13	7	1986	C2	0.81	Y	N				22.
13	7	1986	C3	0.8	Y	N				20.
13	7	1986	C4	0.87	Y	N				8.
13	7	1986	C5	0.86	Y	N				8.
13	7	1986	C6	0.85	Y	N				18.
13	7	1986	C7	0.87	Y	N				10.
13	7	1986	C8	0.86	Y	N				14.
13	7	1986	E1	0.85	Y	N				10.
13	7	1986	E2	0.87	Y	N				8.
13	7	1986	E3	0.86	Y	N				12.
13	7	1986	E4	0.85	Y	N				40.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
14	7	1986	C1	0.85	Y	N				20.
14	7	1986	C2	0.83	Y	N				18.
14	7	1986	C3	0.8	Y	N				22.
14	7	1986	C4	0.86	Y	N				12.
14	7	1986	C5	0.87	Y	N				10.
14	7	1986	C6	0.86	Y	N				8.
14	7	1986	C7	0.87	Y	N				6.
14	7	1986	C8	0.85	Y	N				10.
14	7	1986	E1	0.86	Y	N				18.
14	7	1986	E2	0.88	Y	N				6.
14	7	1986	E3	0.86	Y	N				10.
14	7	1986	E4	0.86	Y	N				6.
15	7	1986	C1	0.86	Y	N				26.
15	7	1986	C2	0.84	Y	N				16.
15	7	1986	C3	0.82	Y	N				16.
15	7	1986	C4	0.87	Y	N				12.
15	7	1986	C5	0.87	Y	N				10.
15	7	1986	C6	0.86	Y	N				18.
15	7	1986	C7	0.87	Y	N				12.
15	7	1986	C8	0.86	Y	N				12.
15	7	1986	E1	0.86	Y	N				14.
15	7	1986	E2	0.88	Y	N				4.
15	7	1986	E3	0.88	Y	N				4.
15	7	1986	E4	0.87	Y	N				4.
16	7	1986	C1	0.87	Y	N				22.
16	7	1986	C2	0.79	Y	N				28.
16	7	1986	C3	0.8	Y	N				20.
16	7	1986	C4	0.87	Y	N				12.
16	7	1986	C5	0.88	Y	N				4.
16	7	1986	C6	0.85	Y	N				16.
16	7	1986	C7	0.86	Y	N				12.
16	7	1986	C8	0.82	Y	N				20.
16	7	1986	E1	0.85	Y	N				18.
16	7	1986	E2	0.86	Y	N				12.
16	7	1986	E3	0.84	Y	N				12.
16	7	1986	E4	0.86	Y	N				6.
17	7	1986	C1	0.89	Y	N				16.
17	7	1986	C2	0.85	Y	N				14.
17	7	1986	C3	0.81	Y	N				18.
17	7	1986	C4	0.9	N	N				0.
17	7	1986	C5	0.87	Y	N				12.
17	7	1986	C6	0.82	Y	N				26.
17	7	1986	C7	0.87	Y	N				10.
17	7	1986	C8	0.83	Y	N				20.
17	7	1986	E1	0.83	Y	N				24.
17	7	1986	E2	0.89	Y	N				4.
17	7	1986	E3	0.83	Y	N				18.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
17	7	1986	E4	0.82	Y	N				16.
18	7	1986	C1	0.88	Y	N				10.
18	7	1986	C2	0.86	Y	N				10.
18	7	1986	C3	0.84	Y	N				12.
18	7	1986	C4	0.87	Y	N				10.
18	7	1986	C5	0.88	Y	N				6.
18	7	1986	C6	0.85	Y	N				18.
18	7	1986	C7	0.86	Y	N				10.
18	7	1986	C8	0.85	Y	N				16.
18	7	1986	E1	0.86	Y	N				22.
18	7	1986	E2	0.87	Y	N				18.
18	7	1986	E3	0.88	Y	N				6.
18	7	1986	E4	0.87	Y	N				6.
19	7	1986	C1	0.84	Y	N				16.
19	7	1986	C2	0.8	Y	N				22.
19	7	1986	C3	0.8	Y	N				20.
19	7	1986	C4	0.86	Y	N				14.
19	7	1986	C5	0.92	N	N				0.
19	7	1986	C6	0.84	Y	N				18.
19	7	1986	C7	0.86	Y	N				10.
19	7	1986	C8	0.81	Y	N				22.
19	7	1986	E1	0.87	Y	N				18.
19	7	1986	E2	0.86	Y	N				18.
19	7	1986	E3	0.83	Y	N				16.
19	7	1986	E4	0.81	Y	N				18.
20	7	1986	C1	0.83	Y	N				20.
20	7	1986	C2	0.79	Y	N				22.
20	7	1986	C3	0.79	Y	N				22.
20	7	1986	C4	0.87	Y	N				6.
20	7	1986	C5	0.9	N	N				0.
20	7	1986	C6	0.82	Y	N				24.
20	7	1986	C7	0.85	Y	N				10.
20	7	1986	C8	0.8	Y	N				24.
20	7	1986	E1	0.82	Y	N				26.
20	7	1986	E2	0.86	Y	N				10.
20	7	1986	E3	0.82	Y	N				16.
20	7	1986	E4	0.8	Y	N				18.
21	7	1986	C1	0.87	Y	N				12.
21	7	1986	C2	0.86	Y	N				12.
21	7	1986	C3	0.84	Y	N				12.
21	7	1986	C4	0.86	Y	N				16.
21	7	1986	C5	0.9	N	N				0.
21	7	1986	C6	0.83	Y	N				28.
21	7	1986	C7	0.84	Y	N				20.
21	7	1986	C8	0.82	Y	N				24.
21	7	1986	E1	0.83	Y	N				32.
21	7	1986	E2	0.85	Y	N				18.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
21	7	1986	E3	0.84	Y	N				14.
21	7	1986	E4	0.82	Y	N				16.
22	7	1986	C1	0.88	Y	N				12.
22	7	1986	C2	0.86	Y	N				12.
22	7	1986	C3	0.85	Y	N				10.
22	7	1986	C4	0.87	Y	N				10.
22	7	1986	C5	0.9	N	N				0.
22	7	1986	C6	0.84	Y	N				18.
22	7	1986	C7	0.83	Y	N				18.
22	7	1986	C8	0.83	Y	N				20.
22	7	1986	E1	0.84	Y	N				20.
22	7	1986	E2	0.86	Y	N				12.
22	7	1986	E3	0.84	Y	N				12.
22	7	1986	E4	0.83	Y	N				14.
23	7	1986	C1	0.88	Y	N				6.
23	7	1986	C2	0.86	Y	N				8.
23	7	1986	C3	0.84	Y	N				12.
23	7	1986	C4	0.86	Y	N				14.
23	7	1986	C5	0.9	N	N				0.
23	7	1986	C6	0.82	Y	N				20.
23	7	1986	C7	0.82	Y	N				18.
23	7	1986	C8	0.81	Y	N				22.
23	7	1986	E1	0.83	Y	N				22.
23	7	1986	E2	0.87	Y	N				10.
23	7	1986	E3	0.85	Y	N				10.
23	7	1986	E4	0.82	Y	N				16.
24	7	1986	C1	0.87	Y	N				12.
24	7	1986	C2	0.85	Y	N				14.
24	7	1986	C3	0.83	Y	N				18.
24	7	1986	C4	0.86	Y	N				16.
24	7	1986	C5	0.89	Y	N				2.
24	7	1986	C6	0.8	Y	N				30.
24	7	1986	C7	0.82	Y	N				22.
24	7	1986	C8	0.81	Y	N				22.
24	7	1986	E1	0.82	Y	N				20.
24	7	1986	E2	0.86	Y	N				10.
24	7	1986	E3	0.83	Y	N				18.
24	7	1986	E4	0.8	Y	N				20.
25	7	1986	C1	0.87	Y	N				10.
25	7	1986	C2	0.86	Y	N				8.
25	7	1986	C3	0.82	Y	N				16.
25	7	1986	C4	0.85	Y	N				10.
25	7	1986	C5	0.89	Y	N				2.
25	7	1986	C6	0.84	Y	N				20.
25	7	1986	C7	0.82	Y	N				16.
25	7	1986	C8	0.8	Y	N				20.
25	7	1986	E1	0.81	Y	N				22.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
25	7	1986	E2	0.85	Y	N				14.
25	7	1986	E3	0.82	Y	N				18.
25	7	1986	E4	0.8	Y	N				20.
26	7	1986	C1	0.85	Y	N				16.
26	7	1986	C2	0.84	Y	N				12.
26	7	1986	C3	0.8	Y	N				20.
26	7	1986	C4	0.84	Y	N				12.
26	7	1986	C5	0.85	Y	N				10.
26	7	1986	C6	0.82	Y	N				22.
26	7	1986	C7	0.81	Y	N				20.
26	7	1986	C8	0.8	Y	N				20.
26	7	1986	E1	0.8	Y	N				24.
26	7	1986	E2	0.84	Y	N				18.
26	7	1986	E3	0.81	Y	N				20.
26	7	1986	E4	0.79	Y	N				22.
27	7	1986	C1	0.86	Y	N				14.
27	7	1986	C2	0.87	Y	N				5.
27	7	1986	C3	0.82	Y	N				16.
27	7	1986	C4	0.84	Y	N				14.
27	7	1986	C5	0.84	Y	N				12.
27	7	1986	C6	0.83	Y	N				18.
27	7	1986	C7	0.82	Y	N				20.
27	7	1986	C8	0.81	Y	N				20.
27	7	1986	E1	0.81	Y	N				26.
27	7	1986	E2	0.85	Y	N				14.
27	7	1986	E3	0.83	Y	N				18.
27	7	1986	E4	0.81	Y	N				18.
28	7	1986	C1	0.87	Y	N				10.
28	7	1986	C2	0.87	Y	N				8.
28	7	1986	C3	0.84	Y	N				12.
28	7	1986	C4	0.85	Y	N				20.
28	7	1986	C5	0.86	Y	N				8.
28	7	1986	C6	0.84	Y	N				18.
28	7	1986	C7	0.83	Y	N				16.
28	7	1986	C8	0.82	Y	N				16.
28	7	1986	E1	0.83	Y	N				20.
28	7	1986	E2	0.85	Y	N				12.
28	7	1986	E3	0.85	Y	N				10.
28	7	1986	E4	0.82	Y	N				16.
29	7	1986	C1	0.86	Y	N				16.
29	7	1986	C2	0.85	Y	N				12.
29	7	1986	C3	0.82	Y	N				16.
29	7	1986	C4	0.84	Y	N				20.
29	7	1986	C5	0.85	Y	N				10.
29	7	1986	C6	0.83	Y	N				22.
29	7	1986	C7	0.82	Y	N				16.
29	7	1986	C8	0.8	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
29	7	1986	E1	0.81	Y	N				26.
29	7	1986	E2	0.83	Y	N				18.
29	7	1986	E3	0.82	Y	N				20.
29	7	1986	E4	0.8	Y	N				18.
30	7	1986	C1	0.85	Y	N				14.
30	7	1986	C2	0.84	Y	N				12.
30	7	1986	C3	0.81	Y	N				18.
30	7	1986	C4	0.85	Y	N				12.
30	7	1986	C5	0.85	Y	N				10.
30	7	1986	C6	0.82	Y	N				18.
30	7	1986	C7	0.82	Y	N				18.
30	7	1986	C8	0.8	Y	N				22.
30	7	1986	E1	0.81	Y	N				28.
30	7	1986	E2	0.84	Y	N				20.
30	7	1986	E3	0.83	Y	N				18.
30	7	1986	E4	0.81	Y	N				18.
31	7	1986	C1	0.82	Y	N				22.
31	7	1986	C2	0.8	Y	N				22.
31	7	1986	C3	0.8	Y	N				20.
31	7	1986	C4	0.84	Y	N				12.
31	7	1986	C5	0.83	Y	N				14.
31	7	1986	C6	0.8	Y	N				24.
31	7	1986	C7	0.81	Y	N				18.
31	7	1986	C8	0.8	Y	N				26.
31	7	1986	E1	0.8	Y	N				26.
31	7	1986	E2	0.83	Y	N				16.
31	7	1986	E3	0.82	Y	N				18.
31	7	1986	E4	0.8	Y	N				20.
1	8	1986	C1	0.81	Y	N				24.
1	8	1986	C2	0.8	Y	N				22.
1	8	1986	C3	0.8	Y	N				20.
1	8	1986	C4	0.83	Y	N				14.
1	8	1986	C5	0.81	Y	N				18.
1	8	1986	C6	0.8	Y	N				22.
1	8	1986	C7	0.8	Y	N				20.
1	8	1986	C8	0.79	Y	N				22.
1	8	1986	E1	0.78	Y	N				28.
1	8	1986	E2	0.82	Y	N				18.
1	8	1986	E3	0.81	Y	N				18.
1	8	1986	E4	0.79	Y	N				22.
2	8	1986	C1	0.8	Y	N				24.
2	8	1986	C2	0.79	Y	N				24.
2	8	1986	C3	0.79	Y	N				22.
2	8	1986	C4	0.82	Y	N				18.
2	8	1986	C5	0.83	Y	N				14.
2	8	1986	C6	0.8	Y	N				24.
2	8	1986	C7	0.8	Y	N				18.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
2	8	1986	C8	0.79	Y	N				24.
2	8	1986	E1	0.78	Y	N				30.
2	8	1986	E2	0.81	Y	N				18.
2	8	1986	E3	0.81	Y	N				18.
2	8	1986	E4	0.79	Y	N				22.
3	8	1986	C1	0.82	Y	N				22.
3	8	1986	C2	0.81	Y	N				20.
3	8	1986	C3	0.8	Y	N				18.
3	8	1986	C4	0.83	Y	N				18.
3	8	1986	C5	0.83	Y	N				14.
3	8	1986	C6	0.81	Y	N				22.
3	8	1986	C7	0.81	Y	N				18.
3	8	1986	C8	0.8	Y	N				22.
3	8	1986	E1	0.8	Y	N				24.
3	8	1986	E2	0.83	Y	N				16.
3	8	1986	E3	0.82	Y	N				16.
3	8	1986	E4	0.8	Y	N				20.
4	8	1986	C1	0.81	Y	N				26.
4	8	1986	C2	0.8	Y	N				24.
4	8	1986	C3	0.82	Y	N				16.
4	8	1986	C4	0.81	Y	N				24.
4	8	1986	C5	0.83	Y	N				16.
4	8	1986	C6	0.8	Y	N				20.
4	8	1986	C7	0.81	Y	N				18.
4	8	1986	C8	0.79	Y	N				22.
4	8	1986	E1	0.82	Y	N				22.
4	8	1986	E2	0.84	Y	N				16.
4	8	1986	E3	0.81	Y	N				18.
4	8	1986	E4	0.79	Y	N				22.
5	8	1986	C1	0.84	Y	N				18.
5	8	1986	C2	0.84	Y	N				14.
5	8	1986	C3	0.82	Y	N				16.
5	8	1986	C4	0.85	Y	N				18.
5	8	1986	C5	0.84	Y	N				18.
5	8	1986	C6	0.82	Y	N				20.
5	8	1986	C7	0.83	Y	N				14.
5	8	1986	C8	0.81	Y	N				26.
5	8	1986	E1	0.83	Y	N				14.
5	8	1986	E2	0.85	Y	N				14.
5	8	1986	E3	0.83	Y	N				14.
5	8	1986	E4	0.82	Y	N				16.
6	8	1986	C1	0.85	Y	N				12.
6	8	1986	C2	0.83	Y	N				24.
6	8	1986	C3	0.79	Y	N				28.
6	8	1986	C4	0.86	Y	N				14.
6	8	1986	C5	0.85	Y	N				24.
6	8	1986	C6	0.83	Y	N				34.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
6	8	1986	C7	0.84	Y	N				32.
6	8	1986	C8	0.82	Y	N				30.
6	8	1986	E1	0.85	Y	N				18.
6	8	1986	E2	0.86	Y	N				14.
6	8	1986	E3	0.8	Y	N				28.
6	8	1986	E4	0.79	Y	N				22.
7	8	1986	C1	0.93	N	N				0.
7	8	1986	C2	0.82	Y	N				24.
7	8	1986	C3	0.81	Y	N				18.
7	8	1986	C4	0.9	N	N				0.
7	8	1986	C5	0.96	N	N				0.
7	8	1986	C6	0.88	Y	N				12.
7	8	1986	C7	0.85	Y	N				22.
7	8	1986	C8	0.86	Y	N				18.
7	8	1986	E1	0.9	N	N				0.
7	8	1986	E2	0.89	Y	N				16.
7	8	1986	E3	0.84	Y	N				16.
7	8	1986	E4	0.81	Y	N				18.
8	8	1986	C1	0.93	N	N				0.
8	8	1986	C2	0.81	Y	N				18.
8	8	1986	C3	0.78	Y	N				24.
8	8	1986	C4	0.9	N	N				0.
8	8	1986	C5	0.95	N	N				0.
8	8	1986	C6	0.85	Y	N				30.
8	8	1986	C7	0.84	Y	N				12.
8	8	1986	C8	0.85	Y	N				16.
8	8	1986	E1	0.85	Y	N				14.
8	8	1986	E2	0.89	Y	N				0.
8	8	1986	E3	0.83	Y	N				14.
8	8	1986	E4	0.8	Y	N				20.
9	8	1986	C1	0.9	N	N				0.
9	8	1986	C2	0.8	Y	N				24.
9	8	1986	C3	0.78	Y	N				24.
9	8	1986	C4	0.9	N	N				0.
9	8	1986	C5	0.95	N	N				0.
9	8	1986	C6	0.87	Y	N				20.
9	8	1986	C7	0.84	Y	N				12.
9	8	1986	C8	0.82	Y	N				22.
9	8	1986	E1	0.82	Y	N				18.
9	8	1986	E2	0.87	Y	N				20.
9	8	1986	E3	0.81	Y	N				18.
9	8	1986	E4	0.8	Y	N				20.
10	8	1986	C1	0.85	Y	N				14.
10	8	1986	C2	0.9	N	N				0.
10	8	1986	C3	0.88	Y	N				14.
10	8	1986	C4	0.87	Y	N				6.
10	8	1986	C5	0.96	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
10	8	1986	C6	0.89	Y	N				18.
10	8	1986	C7	0.82	Y	N				16.
10	8	1986	C8	0.95	N	N				0.
10	8	1986	E1	0.88	Y	N				12.
10	8	1986	E2	0.97	N	N				0.
10	8	1986	E3	0.88	Y	N				8.
10	8	1986	E4	0.82	Y	N				16.
11	8	1986	C1	0.99	N	N				0.
11	8	1986	C2	0.93	N	N				0.
11	8	1986	C3	0.94	N	N				0.
11	8	1986	C4	0.94	N	N				0.
11	8	1986	C5	0.95	N	N				0.
11	8	1986	C6	0.99	N	N				0.
11	8	1986	C7	0.96	N	N				0.
11	8	1986	C8	0.95	N	N				0.
11	8	1986	E1	0.98	N	N				0.
11	8	1986	E2	0.95	N	N				0.
11	8	1986	E3	0.94	N	N				0.
11	8	1986	E4	0.9	N	N				0.
12	8	1986	C1	0.88	Y	N				2.
12	8	1986	C2	0.86	Y	N				2.
12	8	1986	C3	0.83	N	N				0.
12	8	1986	C4	0.92	N	N				0.
12	8	1986	C5	0.95	N	N				0.
12	8	1986	C6	0.89	Y	N				
12	8	1986	C7	0.9	N	N				0.
12	8	1986	C8	0.9	N	N				0.
12	8	1986	E1	0.87	N	N				0.
12	8	1986	E2	0.9	N	N				0.
12	8	1986	E3	0.89	N	N				0.
12	8	1986	E4	0.88	Y	N				
13	8	1986	C1	0.8	Y	N				20.
13	8	1986	C2	0.82	Y	N				16.
13	8	1986	C3	0.8	Y	N				20.
13	8	1986	C4	0.84	Y	N				14.
13	8	1986	C5	0.94	N	N				0.
13	8	1986	C6	0.85	Y	N				12.
13	8	1986	C7	0.87	Y	N				6.
13	8	1986	C8	0.82	Y	N				16.
13	8	1986	E1	0.87	Y	N				8.
13	8	1986	E2	0.84	Y	N				14.
13	8	1986	E3	0.85	Y	N				10.
13	8	1986	E4	0.8	Y	N				18.
14	8	1986	C1	0.97	N	N				0.
14	8	1986	C2	0.9	N	N				0.
14	8	1986	C3	0.9	N	N				0.
14	8	1986	C4	0.9	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
14	8	1986	C5	0.96	N	N				0.
14	8	1986	C6	0.91	N	N				0.
14	8	1986	C7	0.9	N	N				0.
14	8	1986	C8	0.9	N	N				0.
14	8	1986	E1	0.92	N	N				0.
14	8	1986	E2	0.94	N	N				0.
14	8	1986	E3	0.9	N	N				0.
14	8	1986	E4	0.9	N	N				0.
15	8	1986	C1	0.94	N	N				0.
15	8	1986	C2	0.83	Y	N				14.
15	8	1986	C3	0.78	Y	N				24.
15	8	1986	C4	0.89	Y	N				2.
15	8	1986	C5	0.96	N	N				0.
15	8	1986	C6	0.79	Y	N				26.
15	8	1986	C7	0.85	Y	N				16.
15	8	1986	C8	0.82	Y	N				18.
15	8	1986	E1	0.88	Y	N				12.
15	8	1986	E2	0.97	N	N				0.
15	8	1986	E3	0.84	Y	N				14.
15	8	1986	E4	0.84	Y	N				12.
16	8	1986	C1	0.91	N	N				0.
16	8	1986	C2	0.85	Y	N				10.
16	8	1986	C3	0.8	Y	N				20.
16	8	1986	C4	0.87	Y	N				6.
16	8	1986	C5	0.96	N	N				0.
16	8	1986	C6	0.85	Y	N				12.
16	8	1986	C7	0.84	Y	N				16.
16	8	1986	C8	0.83	Y	N				16.
16	8	1986	E1	1.	N	N				0.
16	8	1986	E2	0.9	N	N				0.
16	8	1986	E3	0.78	Y	N				24.
16	8	1986	E4	0.8	Y	N				20.
17	8	1986	C1	0.9	N	N				0.
17	8	1986	C2	0.8	Y	N				20.
17	8	1986	C3	0.77	Y	N				26.
17	8	1986	C4	0.87	Y	N				8.
17	8	1986	C5	0.94	N	N				0.
17	8	1986	C6	0.86	Y	N				8.
17	8	1986	C7	0.83	Y	N				14.
17	8	1986	C8	0.82	Y	N				16.
17	8	1986	E1	0.88	Y	N				4.
17	8	1986	E2	0.87	Y	N				6.
17	8	1986	E3	0.83	Y	N				14.
17	8	1986	E4	0.78	Y	N				22.
18	8	1986	C1	0.87	Y	N				6.
18	8	1986	C2	0.81	Y	N				18.
18	8	1986	C3	0.75	Y	N				30.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
18	8	1986	C4	0.85	Y	N				10.
18	8	1986	C5	0.94	N	N				0.
18	8	1986	C6	0.85	Y	N				6.
18	8	1986	C7	0.84	Y	N				12.
18	8	1986	C8	0.77	Y	N				26.
18	8	1986	E1	0.8	Y	N				24.
18	8	1986	E2	0.85	Y	N				12.
18	8	1986	E3	0.8	Y	N				20.
18	8	1986	E4	0.77	Y	N				24.
19	8	1986	C1	0.85	Y	N				8.
19	8	1986	C2	0.8	Y	N				20.
19	8	1986	C3	0.78	Y	N				22.
19	8	1986	C4	0.83	Y	N				14.
19	8	1986	C5	0.94	N	N				0.
19	8	1986	C6	0.86	Y	N				8.
19	8	1986	C7	0.85	N	N				0.
19	8	1986	C8	0.87	Y	N				8.
19	8	1986	E1	0.81	Y	N				18.
19	8	1986	E2	0.83	Y	N				14.
19	8	1986	E3	0.78	Y	N				24.
19	8	1986	E4	0.77	Y	N				24.
20	8	1986	C1	0.82	Y	N				16.
20	8	1986	C2	0.79	Y	N				22.
20	8	1986	C3	0.8	Y	N				20.
20	8	1986	C4	0.87	Y	N				6.
20	8	1986	C5	0.94	N	N				0.
20	8	1986	C6	0.84	Y	N				12.
20	8	1986	C7	0.82	Y	N				18.
20	8	1986	C8	0.8	Y	N				20.
20	8	1986	E1	0.79	Y	N				26.
20	8	1986	E2	0.81	Y	N				18.
20	8	1986	E3	0.8	Y	N				20.
20	8	1986	E4	0.78	Y	N				22.
21	8	1986	C1	0.8	Y	N				20.
21	8	1986	C2	0.81	Y	N				18.
21	8	1986	C3	0.78	Y	N				18.
21	8	1986	C4	0.85	Y	N				10.
21	8	1986	C5	0.94	N	N				0.
21	8	1986	C6	0.83	Y	N				14.
21	8	1986	C7	0.81	Y	N				18.
21	8	1986	C8	0.82	Y	N				14.
21	8	1986	E1	0.8	Y	N				20.
21	8	1986	E2	0.82	Y	N				16.
21	8	1986	E3	0.81	Y	N				18.
21	8	1986	E4	0.8	Y	N				18.
22	8	1986	C1	0.87	Y	N				6.
22	8	1986	C2	0.82	Y	N				14.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
22	8	1986	C3	0.78	Y	N				22.
22	8	1986	C4	0.83	Y	N				14.
22	8	1986	C5	0.92	N	N				0.
22	8	1986	C6	0.81	Y	N				16.
22	8	1986	C7	0.83	Y	N				14.
22	8	1986	C8	0.79	Y	N				2.
22	8	1986	E1	0.84	Y	N				14.
22	8	1986	E2	0.75	Y	N				30.
22	8	1986	E3	0.73	Y	N				34.
22	8	1986	E4	0.79	Y	N				20.
23	8	1986	C1	0.88	Y	N				4.
23	8	1986	C2	0.79	Y	N				18.
23	8	1986	C3	0.77	Y	N				24.
23	8	1986	C4	0.86	Y	N				8.
23	8	1986	C5	0.9	N	N				0.
23	8	1986	C6	0.77	Y	N				20.
23	8	1986	C7	0.8	Y	N				18.
23	8	1986	C8	0.7	Y	N				42.
23	8	1986	E1	0.78	Y	N				24.
23	8	1986	E2	0.79	Y	N				22.
23	8	1986	E3	0.72	Y	N				32.
23	8	1986	E4	0.82	Y	N				14.
24	8	1986	C1	0.85	Y	N				
24	8	1986	C2	0.78	Y	N				
24	8	1986	C3	0.78	Y	N				
24	8	1986	C4	0.85	Y	N				
24	8	1986	C5	0.9	N	N				0.
24	8	1986	C6	0.82	Y	N				
24	8	1986	C7	0.81	Y	N				
24	8	1986	C8	0.81	Y	N				
24	8	1986	E1	0.83	Y	N				
24	8	1986	E2	0.81	Y	N				
24	8	1986	E3	0.8	Y	N				
24	8	1986	E4	0.83	Y	N				
25	8	1986	C1	0.89	Y	N				20.
25	8	1986	C2	0.85	Y	N				12.
25	8	1986	C3	0.83	Y	N				14.
25	8	1986	C4	0.88	Y	N				24.
25	8	1986	C5	0.97	N	N				0.
25	8	1986	C6	0.86	Y	N				20.
25	8	1986	C7	0.83	Y	N				20.
25	8	1986	C8	0.85	Y	N				10.
25	8	1986	E1	0.86	Y	N				18.
25	8	1986	E2	0.83	Y	N				20.
25	8	1986	E3	0.86	Y	N				12.
25	8	1986	E4	0.84	Y	N				12.
26	8	1986	C1	0.94	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
26	8	1986	C2	0.88	Y	N				4.
26	8	1986	C3	0.8	Y	N				20.
26	8	1986	C4	0.97	N	N				0.
26	8	1986	C5	0.97	N	N				0.
26	8	1986	C6	0.89	Y	N				4.
26	8	1986	C7	0.89	Y	N				6.
26	8	1986	C8	0.8	Y	N				20.
26	8	1986	E1	0.84	Y	N				20.
26	8	1986	E2	0.85	Y	N				14.
26	8	1986	E3	0.87	Y	N				10.
26	8	1986	E4	0.8	Y	N				20.
27	8	1986	C1	0.93	N	N				0.
27	8	1986	C2	0.85	Y	N				10.
27	8	1986	C3	0.82	Y	N				16.
27	8	1986	C4	0.95	N	N				0.
27	8	1986	C5	0.97	N	N				0.
27	8	1986	C6	0.88	Y	N				8.
27	8	1986	C7	0.88	Y	N				6.
27	8	1986	C8	0.84	Y	N				18.
27	8	1986	E1	0.85	Y	N				26.
27	8	1986	E2	0.86	Y	N				8.
27	8	1986	E3	0.88	Y	N				
27	8	1986	E4	0.83	Y	N				
28	8	1986	C1	0.9	N	N				0.
28	8	1986	C2	0.86	Y	N				8.
28	8	1986	C3	0.83	Y	N				14.
28	8	1986	C4	0.93	N	N				0.
28	8	1986	C5	0.97	N	N				0.
28	8	1986	C6	0.89	Y	N				4.
28	8	1986	C7	0.86	Y	N				12.
28	8	1986	C8	0.81	Y	N				22.
28	8	1986	E1	0.85	Y	N				24.
28	8	1986	E2	0.87	Y	N				6.
28	8	1986	E3	0.88	Y	N				6.
28	8	1986	E4	0.82	Y	N				16.
29	8	1986	C1	0.89	N	N				
29	8	1986	C2	0.84	Y	N				
29	8	1986	C3	0.82	Y	N				
29	8	1986	C4	0.92	N	N				6.
29	8	1986	C5	0.97	N	N				0.
29	8	1986	C6	0.88	Y	N				
29	8	1986	C7	0.85	Y	N				
29	8	1986	C8	0.82	Y	N				
29	8	1986	E1	0.85	Y	N				
29	8	1986	E2	0.86	N	N				0.
29	8	1986	E3	0.87	N	N				0.
29	8	1986	E4	0.81	Y	N				

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
30	8	1986	C1	0.87	Y	N				
30	8	1986	C2	0.85	Y	N				
30	8	1986	C3	0.83	Y	N				14.
30	8	1986	C4	0.89	Y	N				
30	8	1986	C5	0.97	N	N				0.
30	8	1986	C6	0.99	N	N				0.
30	8	1986	C7	0.95	N	N				0.
30	8	1986	C8	0.9	N	N				0.
30	8	1986	E1	0.97	N	N				0.
30	8	1986	E2	0.84	Y	N				12.
30	8	1986	E3	0.85	Y	N				
30	8	1986	E4	0.85	Y	N				
31	8	1986	C1	0.86	Y	N				
31	8	1986	C2	0.8	Y	N				
31	8	1986	C3	0.88	Y	N				
31	8	1986	C4	0.89	Y	N				
31	8	1986	C5	0.92	N	N				0.
31	8	1986	C6	0.91	N	N				0.
31	8	1986	C7	0.92	N	N				0.
31	8	1986	C8	0.8	Y	N				
31	8	1986	E1	0.9	N	N				0.
31	8	1986	E2	0.88	Y	N				
31	8	1986	E3	0.81	Y	N				
31	8	1986	E4	0.8	Y	N				
1	9	1986	C1	0.85	Y	N				
1	9	1986	C2	0.79	Y	N				
1	9	1986	C3	0.86	Y	N				
1	9	1986	C4	0.85	Y	N				
1	9	1986	C5	0.94	N	N				0.
1	9	1986	C6	0.83	Y	N				
1	9	1986	C7	0.82	Y	N				
1	9	1986	C8	0.65	Y	N				
1	9	1986	E1	0.8	Y	N				
1	9	1986	E2	0.85	Y	N				
1	9	1986	E3	0.78	Y	N				
1	9	1986	E4	0.78	Y	N				
2	9	1986	C1	1.	N	N				0.
2	9	1986	C2	0.93	N	N				0.
2	9	1986	C3	0.93	N	N				0.
2	9	1986	C4	0.9	N	N				0.
2	9	1986	C5	1.	N	N				0.
2	9	1986	C6	0.86	Y	N				14.
2	9	1986	C7	0.87	Y	N				6.
2	9	1986	C8	0.7	Y	N				56.
2	9	1986	E1	0.99	N	N				0.
2	9	1986	E2	0.96	N	N				0.
2	9	1986	E3	0.84	Y	N				12.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
2	9	1986	E4	0.82	Y	N				16.
3	9	1986	C1	0.95	N	N				0.
3	9	1986	C2	0.83	Y	N				14.
3	9	1986	C3	0.83	Y	N				14.
3	9	1986	C4	0.88	Y	N				8.
3	9	1986	C5	1.	N	N				0.
3	9	1986	C6	0.88	Y	N				12.
3	9	1986	C7	0.87	Y	N				6.
3	9	1986	C8	0.88	Y	N				16.
3	9	1986	E1	0.88	Y	N				10.
3	9	1986	E2	0.92	N	N				0.
3	9	1986	E3	0.85	Y	N				14.
3	9	1986	E4	0.84	Y	N				14.
4	9	1986	C1	0.93	N	N				0.
4	9	1986	C2	0.82	Y	N				18.
4	9	1986	C3	0.81	Y	N				18.
4	9	1986	C4	0.91	N	N				0.
4	9	1986	C5	1.	N	N				0.
4	9	1986	C6	0.85	Y	N				16.
4	9	1986	C7	0.86	Y	N				12.
4	9	1986	C8	0.89	Y	N				6.
4	9	1986	E1	0.85	Y	N				18.
4	9	1986	E2	0.89	Y	N				16.
4	9	1986	E3	0.84	Y	N				12.
4	9	1986	E4	0.85	N	N				0.
5	9	1986	C1	0.9	N	N				0.
5	9	1986	C2	0.85	Y	N				18.
5	9	1986	C3	0.8	Y	N				24.
5	9	1986	C4	0.9	N	N				0.
5	9	1986	C5	1.	N	N				0.
5	9	1986	C6	0.92	N	N				0.
5	9	1986	C7	0.9	N	N				0.
5	9	1986	C8	0.8	Y	N				20.
5	9	1986	E1	0.87	Y	N				6.
5	9	1986	E2	0.96	N	N				0.
5	9	1986	E3	0.88	Y	N				10.
5	9	1986	E4	0.85	Y	N				10.
6	9	1986	C1	0.96	N	N				0.
6	9	1986	C2	0.89	Y	N				10.
6	9	1986	C3	0.86	Y	N				8.
6	9	1986	C4	0.89	Y	N				2.
6	9	1986	C5	1.	N	N				0.
6	9	1986	C6	0.86	Y	N				20.
6	9	1986	C7	0.86	Y	N				8.
6	9	1986	C8	0.77	Y	N				26.
6	9	1986	E1	0.86	Y	N				8.
6	9	1986	E2	0.94	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
6	9	1986	E3	0.93	N	N				0.
6	9	1986	E4	0.88	Y	N				6.
7	9	1986	C1	0.92	N	N				0.
7	9	1986	C2	0.84	Y	N				14.
7	9	1986	C3	0.82	Y	N				16.
7	9	1986	C4	0.88	Y	N				4.
7	9	1986	C5	0.99	N	N				0.
7	9	1986	C6	0.87	Y	N				6.
7	9	1986	C7	0.86	Y	N				20.
7	9	1986	C8	0.85	Y	N				24.
7	9	1986	E1	0.87	Y	N				14.
7	9	1986	E2	0.85	Y	N				16.
7	9	1986	E3	0.86	Y	N				12.
7	9	1986	E4	0.83	Y	N				16.
8	9	1986	C1	0.9	N	N				0.
8	9	1986	C2	0.83	Y	N				16.
8	9	1986	C3	0.79	Y	N				
8	9	1986	C4	0.88	Y	N				18.
8	9	1986	C5	0.99	N	N				0.
8	9	1986	C6	0.89	Y	N				6.
8	9	1986	C7	0.87	Y	N				12.
8	9	1986	C8	0.86	Y	N				14.
8	9	1986	E1	0.88	Y	N				16.
8	9	1986	E2	0.86	Y	N				12.
8	9	1986	E3	0.85	Y	N				12.
8	9	1986	E4	0.84	Y	N				10.
9	9	1986	C1	0.79	Y	N				22.
9	9	1986	C2	0.85	Y	N				12.
9	9	1986	C3	0.82	Y	N				16.
9	9	1986	C4	0.95	N	N				0.
9	9	1986	C5	0.99	N	N				0.
9	9	1986	C6	0.88	Y	N				12.
9	9	1986	C7	0.86	Y	N				8.
9	9	1986	C8	0.87	Y	N				16.
9	9	1986	E1	0.89	Y	N				10.
9	9	1986	E2	0.85	Y	N				14.
9	9	1986	E3	0.86	Y	N				8.
9	9	1986	E4	0.85	Y	N				10.
10	9	1986	C1	0.78	Y	N				6.
10	9	1986	C2	0.84	Y	N				4.
10	9	1986	C3	0.81	Y	N				4.
10	9	1986	C4	0.93	N	N				0.
10	9	1986	C5	0.97	N	N				0.
10	9	1986	C6	0.87	Y	N				4.
10	9	1986	C7	0.87	Y	N				4.
10	9	1986	C8	0.86	Y	N				6.
10	9	1986	E1	0.88	Y	N				4.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
10	9	1986	E2	0.84	Y	N				14.
10	9	1986	E3	0.86	Y	N				6.
10	9	1986	E4	0.86	Y	N				4.
11	9	1986	C1	0.77	N	N				
11	9	1986	C2	0.81	N	N				0.
11	9	1986	C3	0.79	N	N				0.
11	9	1986	C4	0.9	N	N				0.
11	9	1986	C5	0.95	N	N				0.
11	9	1986	C6	0.85	N	N				0.
11	9	1986	C7	0.81	N	N				0.
11	9	1986	C8	0.85	N	N				0.
11	9	1986	E1	0.87	N	N				0.
11	9	1986	E2	0.83	N	N				0.
11	9	1986	E3	0.86	N	N				0.
11	9	1986	E4	0.82	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
15	10	1986	C1	0.79	Y	N				6.
15	10	1986	C2	0.73	Y	N				14.
15	10	1986	C3	0.72	Y	N				14.
15	10	1986	C4	0.89	Y	N				4.
15	10	1986	C5	0.87	Y	N				4.
15	10	1986	C6	0.79	Y	N				2.
15	10	1986	C7	0.84	Y	N				6.
15	10	1986	C8	0.76	Y	N				10.
15	10	1986	E1	0.69	Y	N				8.
15	10	1986	E2	0.7	Y	N				16.
15	10	1986	E3	0.73	Y	N				14.
15	10	1986	E4	0.77	Y	N				4.
16	10	1986	C1	0.8	Y	N				26.
16	10	1986	C2	0.79	Y	N				22.
16	10	1986	C3	0.7	Y	N				38.
16	10	1986	C4	0.84	Y	N				12.
16	10	1986	C5	0.86	Y	N				10.
16	10	1986	C6	0.75	Y	N				38.
16	10	1986	C7	0.82	Y	N				26.
16	10	1986	C8	0.8	Y	N				28.
16	10	1986	E1	0.7	Y	N				44.
16	10	1986	E2	0.71	Y	N				38.
16	10	1986	E3	0.76	Y	N				30.
16	10	1986	E4	0.75	Y	N				28.
17	10	1986	C1	0.85	Y	N				26.
17	10	1986	C2	0.83	Y	N				16.
17	10	1986	C3	0.8	Y	N				20.
17	10	1986	C4	0.86	Y	N				20.
17	10	1986	C5	0.85	Y	N				10.
17	10	1986	C6	0.81	Y	N				34.
17	10	1986	C7	0.8	Y	N				34.
17	10	1986	C8	0.83	Y	N				22.
17	10	1986	E1	0.69	Y	N				48.
17	10	1986	E2	0.7	Y	N				42.
17	10	1986	E3	0.76	Y	N				32.
17	10	1986	E4	0.76	Y	N				28.
18	10	1986	C1	0.86	Y	N				22.
18	10	1986	C2	0.84	Y	N				16.
18	10	1986	C3	0.81	Y	N				18.
18	10	1986	C4	0.87	Y	N				16.
18	10	1986	C5	0.83	Y	N				16.
18	10	1986	C6	0.82	Y	N				30.
18	10	1986	C7	0.83	Y	N				28.
18	10	1986	C8	0.85	Y	N				10.
18	10	1986	E1	0.7	Y	N				52.
18	10	1986	E2	0.71	Y	N				46.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
18	10	1986	E3	0.75	Y	N				34.
18	10	1986	E4	0.77	Y	N				26.
19	10	1986	C1	0.85	Y	N				20.
19	10	1986	C2	0.83	Y	N				14.
19	10	1986	C3	0.79	Y	N				22.
19	10	1986	C4	0.86	Y	N				14.
19	10	1986	C5	0.84	Y	N				18.
19	10	1986	C6	0.83	Y	N				22.
19	10	1986	C7	0.82	Y	N				28.
19	10	1986	C8	0.84	Y	N				14.
19	10	1986	E1	0.81	Y	N				30.
19	10	1986	E2	0.75	Y	N				36.
19	10	1986	E3	0.74	Y	N				34.
19	10	1986	E4	0.76	Y	N				28.
20	10	1986	C1	0.86	Y	N				14.
20	10	1986	C2	0.84	Y	N				10.
20	10	1986	C3	0.78	Y	N				20.
20	10	1986	C4	0.85	Y	N				16.
20	10	1986	C5	0.83	Y	N				28.
20	10	1986	C6	0.84	Y	N				22.
20	10	1986	C7	0.81	Y	N				22.
20	10	1986	C8	0.83	Y	N				22.
20	10	1986	E1	0.8	Y	N				38.
20	10	1986	E2	0.74	Y	N				50.
20	10	1986	E3	0.73	Y	N				34.
20	10	1986	E4	0.75	Y	N				28.
21	10	1986	C1	0.84	Y	N				12.
21	10	1986	C2	0.82	Y	N				10.
21	10	1986	C3	0.8	Y	N				18.
21	10	1986	C4	0.84	Y	N				22.
21	10	1986	C5	0.93	N	N				0.
21	10	1986	C6	0.85	Y	N				16.
21	10	1986	C7	0.83	Y	N				18.
21	10	1986	C8	0.83	Y	N				20.
21	10	1986	E1	0.79	Y	N				22.
21	10	1986	E2	0.75	Y	N				32.
21	10	1986	E3	0.74	Y	N				32.
21	10	1986	E4	0.76	Y	N				26.
22	10	1986	C1	0.83	Y	N				14.
22	10	1986	C2	0.81	Y	N				18.
22	10	1986	C3	0.79	Y	N				22.
22	10	1986	C4	0.85	Y	N				18.
22	10	1986	C5	0.93	N	N				0.
22	10	1986	C6	0.84	Y	N				24.
22	10	1986	C7	0.82	Y	N				26.
22	10	1986	C8	0.82	Y	N				22.
22	10	1986	E1	0.78	Y	N				32.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
22	10	1986	E2	0.74	Y	N				34.
22	10	1986	E3	0.75	Y	N				34.
22	10	1986	E4	0.75	Y	N				30.
23	10	1986	C1	0.84	Y	N				16.
23	10	1986	C2	0.8	Y	N				20.
23	10	1986	C3	0.8	Y	N				20.
23	10	1986	C4	0.86	Y	N				12.
23	10	1986	C5	0.93	N	N				0.
23	10	1986	C6	0.85	Y	N				20.
23	10	1986	C7	0.81	Y	N				26.
23	10	1986	C8	0.8	Y	N				24.
23	10	1986	E1	0.8	Y	N				26.
23	10	1986	E2	0.81	Y	N				22.
23	10	1986	E3	0.83	Y	N				14.
23	10	1986	E4	0.77	Y	N				24.
24	10	1986	C1	0.83	Y	N				28.
24	10	1986	C2	0.81	Y	N				22.
24	10	1986	C3	0.79	Y	N				22.
24	10	1986	C4	0.84	Y	N				20.
24	10	1986	C5	0.93	N	N				0.
24	10	1986	C6	0.83	Y	N				24.
24	10	1986	C7	0.8	Y	N				26.
24	10	1986	C8	0.79	Y	N				28.
24	10	1986	E1	0.79	Y	N				24.
24	10	1986	E2	0.8	Y	N				26.
24	10	1986	E3	0.81	Y	N				20.
24	10	1986	E4	0.8	Y	N				18.
25	10	1986	C1	0.84	Y	N				10.
25	10	1986	C2	0.82	Y	N				14.
25	10	1986	C3	0.8	Y	N				16.
25	10	1986	C4	0.85	Y	N				12.
25	10	1986	C5	0.92	N	N				0.
25	10	1986	C6	0.84	Y	N				12.
25	10	1986	C7	0.81	Y	N				20.
25	10	1986	C8	0.8	Y	N				20.
25	10	1986	E1	0.8	Y	N				20.
25	10	1986	E2	0.8	Y	N				20.
25	10	1986	E3	0.8	Y	N				18.
25	10	1986	E4	0.81	Y	N				14.
26	10	1986	C1	0.8	Y	N				24.
26	10	1986	C2	0.8	Y	N				22.
26	10	1986	C3	0.78	Y	N				24.
26	10	1986	C4	0.8	Y	N				30.
26	10	1986	C5	0.92	N	N				0.
26	10	1986	C6	0.81	Y	N				30.
26	10	1986	C7	0.8	Y	N				30.
26	10	1986	C8	0.79	Y	N				36.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
26	10	1986	E1	0.81	Y	N				26.
26	10	1986	E2	0.8	Y	N				26.
26	10	1986	E3	0.81	Y	N				20.
26	10	1986	E4	0.78	Y	N				24.
27	10	1986	C1	0.81	Y	N				34.
27	10	1986	C2	0.82	Y	N				22.
27	10	1986	C3	0.8	Y	N				22.
27	10	1986	C4	0.81	Y	N				30.
27	10	1986	C5	0.92	N	N				0.
27	10	1986	C6	0.83	Y	N				22.
27	10	1986	C7	0.8	Y	N				24.
27	10	1986	C8	0.82	Y	N				24.
27	10	1986	E1	0.82	Y	N				22.
27	10	1986	E2	0.81	Y	N				22.
27	10	1986	E3	0.82	Y	N				16.
27	10	1986	E4	0.8	Y	N				20.
28	10	1986	C1	0.83	Y	N				24.
28	10	1986	C2	0.81	Y	N				22.
28	10	1986	C3	0.8	Y	N				20.
28	10	1986	C4	0.82	Y	N				20.
28	10	1986	C5	0.92	N	N				0.
28	10	1986	C6	0.84	Y	N				18.
28	10	1986	C7	0.81	Y	N				18.
28	10	1986	C8	0.8	Y	N				20.
28	10	1986	E1	0.8	Y	N				30.
28	10	1986	E2	0.82	Y	N				22.
28	10	1986	E3	0.8	Y	N				20.
28	10	1986	E4	0.81	Y	N				18.
29	10	1986	C1	0.82	Y	N				20.
29	10	1986	C2	0.83	Y	N				20.
29	10	1986	C3	0.8	Y	N				20.
29	10	1986	C4	0.83	Y	N				14.
29	10	1986	C5	0.92	N	N				0.
29	10	1986	C6	0.83	Y	N				14.
29	10	1986	C7	0.82	Y	N				18.
29	10	1986	C8	0.79	Y	N				26.
29	10	1986	E1	0.82	Y	N				22.
29	10	1986	E2	0.81	Y	N				20.
29	10	1986	E3	0.79	Y	N				22.
29	10	1986	E4	0.79	Y	N				20.
30	10	1986	C1	0.83	Y	N				20.
30	10	1986	C2	0.84	Y	N				14.
30	10	1986	C3	0.8	Y	N				20.
30	10	1986	C4	0.82	Y	N				20.
30	10	1986	C5	0.92	N	N				0.
30	10	1986	C6	0.81	Y	N				18.
30	10	1986	C7	0.79	Y	N				28.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
30	10	1986	C8	0.8	Y	N				22.
30	10	1986	E1	0.79	Y	N				22.
30	10	1986	E2	0.81	Y	N				22.
30	10	1986	E3	0.82	Y	N				22.
30	10	1986	E4	0.79	Y	N				20.
31	10	1986	C1	0.84	Y	N				22.
31	10	1986	C2	0.85	Y	N				14.
31	10	1986	C3	0.82	Y	N				18.
31	10	1986	C4	0.84	Y	N				18.
31	10	1986	C5	0.92	N	N				0.
31	10	1986	C6	0.84	Y	N				22.
31	10	1986	C7	0.83	Y	N				18.
31	10	1986	C8	0.85	Y	N				16.
31	10	1986	E1	0.84	Y	N				24.
31	10	1986	E2	0.86	Y	N				10.
31	10	1986	E3	0.83	Y	N				20.
31	10	1986	E4	0.81	Y	N				18.
1	11	1986	C1	0.86	Y	N				22.
1	11	1986	C2	0.86	Y	N				16.
1	11	1986	C3	0.83	Y	N				18.
1	11	1986	C4	0.85	Y	N				14.
1	11	1986	C5	0.92	N	N				0.
1	11	1986	C6	0.85	Y	N				18.
1	11	1986	C7	0.82	Y	N				18.
1	11	1986	C8	0.86	Y	N				12.
1	11	1986	E1	0.85	Y	N				24.
1	11	1986	E2	0.87	Y	N				14.
1	11	1986	E3	0.84	Y	N				16.
1	11	1986	E4	0.82	Y	N				16.
2	11	1986	C1	0.87	Y	N				16.
2	11	1986	C2	0.84	Y	N				18.
2	11	1986	C3	0.85	Y	N				12.
2	11	1986	C4	0.86	Y	N				8.
2	11	1986	C5	0.92	N	N				0.
2	11	1986	C6	0.83	Y	N				24.
2	11	1986	C7	0.83	Y	N				20.
2	11	1986	C8	0.85	Y	N				18.
2	11	1986	E1	0.84	Y	N				26.
2	11	1986	E2	0.86	Y	N				18.
2	11	1986	E3	0.82	Y	N				22.
2	11	1986	E4	0.81	Y	N				20.
3	11	1986	C1	0.88	Y	N				16.
3	11	1986	C2	0.85	Y	N				10.
3	11	1986	C3	0.86	Y	N				18.
3	11	1986	C4	0.87	Y	N				12.
3	11	1986	C5	0.92	N	N				0.
3	11	1986	C6	0.84	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
3	11	1986	C7	0.81	Y	N				28.
3	11	1986	C8	0.83	Y	N				22.
3	11	1986	E1	0.81	Y	N				30.
3	11	1986	E2	0.85	Y	N				20.
3	11	1986	E3	0.84	Y	N				12.
3	11	1986	E4	0.8	Y	N				20.
4	11	1986	C1	0.87	Y	N				16.
4	11	1986	C2	0.83	Y	N				18.
4	11	1986	C3	0.85	Y	N				10.
4	11	1986	C4	0.86	Y	N				
4	11	1986	C5	0.88	Y	N				4.
4	11	1986	C6	0.83	Y	N				24.
4	11	1986	C7	0.82	Y	N				18.
4	11	1986	C8	0.84	Y	N				18.
4	11	1986	E1	0.8	Y	N				34.
4	11	1986	E2	0.84	Y	N				18.
4	11	1986	E3	0.83	Y	N				16.
4	11	1986	E4	0.79	Y	N				22.
5	11	1986	C1	0.86	Y	N				14.
5	11	1986	C2	0.8	Y	N				22.
5	11	1986	C3	0.83	Y	N				14.
5	11	1986	C4	0.85	Y	N				20.
5	11	1986	C5	0.9	N	N				0.
5	11	1986	C6	0.82	Y	N				18.
5	11	1986	C7	0.8	Y	N				20.
5	11	1986	C8	0.81	Y	N				22.
5	11	1986	E1	0.82	Y	N				28.
5	11	1986	E2	0.83	Y	N				22.
5	11	1986	E3	0.84	Y	N				16.
5	11	1986	E4	0.8	Y	N				20.
6	11	1986	C1	0.81	Y	N				28.
6	11	1986	C2	0.83	Y	N				16.
6	11	1986	C3	0.81	Y	N				18.
6	11	1986	C4	0.83	Y	N				20.
6	11	1986	C5	0.92	N	N				0.
6	11	1986	C6	0.83	Y	N				14.
6	11	1986	C7	0.8	Y	N				26.
6	11	1986	C8	0.81	Y	N				30.
6	11	1986	E1	0.84	Y	N				18.
6	11	1986	E2	0.82	Y	N				26.
6	11	1986	E3	0.81	Y	N				22.
6	11	1986	E4	0.8	Y	N				20.
7	11	1986	C1	0.83	Y	N				22.
7	11	1986	C2	0.8	Y	N				24.
7	11	1986	C3	0.82	Y	N				16.
7	11	1986	C4	0.84	Y	N				20.
7	11	1986	C5	0.9	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
7	11	1986	C6	0.85	Y	N				12.
7	11	1986	C7	0.81	Y	N				22.
7	11	1986	C8	0.79	Y	N				28.
7	11	1986	E1	0.82	Y	N				28.
7	11	1986	E2	0.83	Y	N				22.
7	11	1986	E3	0.8	Y	N				24.
7	11	1986	E4	0.79	Y	N				24.
8	11	1986	C1	0.85	Y	N				16.
8	11	1986	C2	0.83	Y	N				16.
8	11	1986	C3	0.81	Y	N				18.
8	11	1986	C4	0.85	Y	N				18.
8	11	1986	C5	0.89	Y	N				2.
8	11	1986	C6	0.83	Y	N				18.
8	11	1986	C7	0.8	Y	N				22.
8	11	1986	C8	0.8	Y	N				28.
8	11	1986	E1	0.81	Y	N				28.
8	11	1986	E2	0.82	Y	N				20.
8	11	1986	E3	0.81	Y	N				20.
8	11	1986	E4	0.8	Y	N				20.
9	11	1986	C1	0.84	Y	N				20.
9	11	1986	C2	0.82	Y	N				16.
9	11	1986	C3	0.83	Y	N				14.
9	11	1986	C4	0.84	Y	N				18.
9	11	1986	C5	0.89	Y	N				2.
9	11	1986	C6	0.84	Y	N				14.
9	11	1986	C7	0.81	Y	N				28.
9	11	1986	C8	0.82	Y	N				28.
9	11	1986	E1	0.8	Y	N				34.
9	11	1986	E2	0.81	Y	N				24.
9	11	1986	E3	0.8	Y	N				16.
9	11	1986	E4	0.79	Y	N				22.
10	11	1986	C1	0.85	Y	N				16.
10	11	1986	C2	0.81	Y	N				18.
10	11	1986	C3	0.82	Y	N				16.
10	11	1986	C4	0.85	Y	N				18.
10	11	1986	C5	0.89	Y	N				2.
10	11	1986	C6	0.82	Y	N				22.
10	11	1986	C7	0.8	Y	N				24.
10	11	1986	C8	0.8	Y	N				30.
10	11	1986	E1	0.81	Y	N				30.
10	11	1986	E2	0.8	Y	N				28.
10	11	1986	E3	0.79	Y	N				28.
10	11	1986	E4	0.79	Y	N				22.
11	11	1986	C1	0.86	Y	N				22.
11	11	1986	C2	0.8	Y	N				16.
11	11	1986	C3	0.83	Y	N				16.
11	11	1986	C4	0.86	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
11	11	1986	C5	0.89	Y	N				8.
11	11	1986	C6	0.83	Y	N				18.
11	11	1986	C7	0.82	Y	N				16.
11	11	1986	C8	0.81	Y	N				30.
11	11	1986	E1	0.82	Y	N				28.
11	11	1986	E2	0.8	Y	N				26.
11	11	1986	E3	0.8	Y	N				24.
11	11	1986	E4	0.79	Y	N				22.
12	11	1986	C1	0.85	Y	N				22.
12	11	1986	C2	0.81	Y	N				22.
12	11	1986	C3	0.83	Y	N				16.
12	11	1986	C4	0.85	Y	N				20.
12	11	1986	C5	0.93	N	N				0.
12	11	1986	C6	0.84	Y	N				18.
12	11	1986	C7	0.8	Y	N				22.
12	11	1986	C8	0.8	Y	N				30.
12	11	1986	E1	0.8	Y	N				34.
12	11	1986	E2	0.83	Y	N				24.
12	11	1986	E3	0.82	Y	N				20.
12	11	1986	E4	0.79	Y	N				22.
13	11	1986	C1	0.86	Y	N				18.
13	11	1986	C2	0.82	Y	N				20.
13	11	1986	C3	0.84	Y	N				14.
13	11	1986	C4	0.86	Y	N				16.
13	11	1986	C5	0.93	N	N				0.
13	11	1986	C6	0.85	Y	N				20.
13	11	1986	C7	0.82	Y	N				22.
13	11	1986	C8	0.81	Y	N				26.
13	11	1986	E1	0.83	Y	N				28.
13	11	1986	E2	0.84	Y	N				20.
13	11	1986	E3	0.82	Y	N				18.
13	11	1986	E4	0.8	Y	N				20.
14	11	1986	C1	0.87	Y	N				18.
14	11	1986	C2	0.83	Y	N				18.
14	11	1986	C3	0.85	Y	N				10.
14	11	1986	C4	0.87	Y	N				16.
14	11	1986	C5	0.93	N	N				0.
14	11	1986	C6	0.86	Y	N				20.
14	11	1986	C7	0.81	Y	N				26.
14	11	1986	C8	0.8	Y	N				26.
14	11	1986	E1	0.82	Y	N				26.
14	11	1986	E2	0.83	Y	N				20.
14	11	1986	E3	0.84	Y	N				16.
14	11	1986	E4	0.81	Y	N				18.
15	11	1986	C1	0.85	Y	N				16.
15	11	1986	C2	0.82	Y	N				16.
15	11	1986	C3	0.81	Y	N				18.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
15	11	1986	C4	0.85	Y	N				14.
15	11	1986	C5	0.93	N	N				0.
15	11	1986	C6	0.85	Y	N				18.
15	11	1986	C7	0.8	Y	N				26.
15	11	1986	C8	0.79	Y	N				14.
15	11	1986	E1	0.81	Y	N				26.
15	11	1986	E2	0.82	Y	N				20.
15	11	1986	E3	0.82	Y	N				18.
15	11	1986	E4	0.79	Y	N				22.
16	11	1986	C1	0.83	Y	N				24.
16	11	1986	C2	0.8	Y	N				24.
16	11	1986	C3	0.79	Y	N				22.
16	11	1986	C4	0.82	Y	N				22.
16	11	1986	C5	0.93	N	N				0.
16	11	1986	C6	0.84	Y	N				20.
16	11	1986	C7	0.8	Y	N				24.
16	11	1986	C8	0.79	Y	N				28.
16	11	1986	E1	0.82	Y	N				22.
16	11	1986	E2	0.81	Y	N				20.
16	11	1986	E3	0.83	Y	N				14.
16	11	1986	E4	0.79	Y	N				22.
17	11	1986	C1	0.86	Y	N				20.
17	11	1986	C2	0.81	Y	N				24.
17	11	1986	C3	0.8	Y	N				20.
17	11	1986	C4	0.83	Y	N				22.
17	11	1986	C5	0.93	N	N				0.
17	11	1986	C6	0.85	Y	N				22.
17	11	1986	C7	0.81	Y	N				24.
17	11	1986	C8	0.8	Y	N				28.
17	11	1986	E1	0.81	Y	N				28.
17	11	1986	E2	0.82	Y	N				28.
17	11	1986	E3	0.83	Y	N				16.
17	11	1986	E4	0.79	Y	N				22.
18	11	1986	C1	0.87	Y	N				16.
18	11	1986	C2	0.82	Y	N				20.
18	11	1986	C3	0.81	Y	N				18.
18	11	1986	C4	0.84	Y	N				22.
18	11	1986	C5	0.93	N	N				0.
18	11	1986	C6	0.86	Y	N				18.
18	11	1986	C7	0.82	Y	N				20.
18	11	1986	C8	0.81	Y	N				24.
18	11	1986	E1	0.82	Y	N				20.
18	11	1986	E2	0.83	Y	N				24.
18	11	1986	E3	0.84	Y	N				12.
18	11	1986	E4	0.8	Y	N				22.
19	11	1986	C1	0.86	Y	N				14.
19	11	1986	C2	0.83	Y	N				18.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
19	11	1986	C3	0.8	Y	N				20.
19	11	1986	C4	0.85	Y	N				18.
19	11	1986	C5	0.93	N	N				0.
19	11	1986	C6	0.85	Y	N				22.
19	11	1986	C7	0.8	Y	N				20.
19	11	1986	C8	0.8	Y	N				24.
19	11	1986	E1	0.81	Y	N				20.
19	11	1986	E2	0.82	Y	N				24.
19	11	1986	E3	0.82	Y	N				16.
19	11	1986	E4	0.8	Y	N				24.
20	11	1986	C1	0.85	Y	N				20.
20	11	1986	C2	0.83	Y	N				18.
20	11	1986	C3	0.82	Y	N				16.
20	11	1986	C4	0.85	Y	N				18.
20	11	1986	C5	0.93	N	N				0.
20	11	1986	C6	0.92	N	N				0.
20	11	1986	C7	0.84	Y	N				16.
20	11	1986	C8	0.81	Y	N				24.
20	11	1986	E1	0.8	Y	N				32.
20	11	1986	E2	0.82	Y	N				24.
20	11	1986	E3	0.83	Y	N				18.
20	11	1986	E4	0.8	Y	N				20.
21	11	1986	C1	0.86	Y	N				16.
21	11	1986	C2	0.82	Y	N				18.
21	11	1986	C3	0.81	Y	N				18.
21	11	1986	C4	0.86	Y	N				14.
21	11	1986	C5	0.93	N	N				0.
21	11	1986	C6	0.85	Y	N				20.
21	11	1986	C7	0.83	Y	N				20.
21	11	1986	C8	0.8	Y	N				20.
21	11	1986	E1	0.82	Y	N				24.
21	11	1986	E2	0.83	Y	N				24.
21	11	1986	E3	0.82	Y	N				16.
21	11	1986	E4	0.81	Y	N				18.
22	11	1986	C1	0.83	Y	N				20.
22	11	1986	C2	0.8	Y	N				24.
22	11	1986	C3	0.8	Y	N				20.
22	11	1986	C4	0.85	Y	N				16.
22	11	1986	C5	0.88	Y	N				4.
22	11	1986	C6	0.83	Y	N				28.
22	11	1986	C7	0.8	Y	N				30.
22	11	1986	C8	0.79	Y	N				22.
22	11	1986	E1	0.8	Y	N				30.
22	11	1986	E2	0.81	Y	N				30.
22	11	1986	E3	0.8	Y	N				26.
22	11	1986	E4	0.79	Y	N				22.
23	11	1986	C1	0.82	Y	N				16.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
23	11	1986	C2	0.81	Y	N				18.
23	11	1986	C3	0.79	Y	N				20.
23	11	1986	C4	0.84	Y	N				12.
23	11	1986	C5	0.9	N	N				0.
23	11	1986	C6	0.84	Y	N				20.
23	11	1986	C7	0.81	Y	N				22.
23	11	1986	C8	0.8	Y	N				22.
23	11	1986	E1	0.82	Y	N				28.
23	11	1986	E2	0.8	Y	N				26.
23	11	1986	E3	0.82	Y	N				24.
23	11	1986	E4	0.79	Y	N				20.
24	11	1986	C1	0.81	Y	N				22.
24	11	1986	C2	0.8	Y	N				20.
24	11	1986	C3	0.78	Y	N				24.
24	11	1986	C4	0.82	Y	N				18.
24	11	1986	C5	0.89	Y	N				2.
24	11	1986	C6	0.83	Y	N				16.
24	11	1986	C7	0.8	Y	N				26.
24	11	1986	C8	0.78	Y	N				24.
24	11	1986	E1	0.81	Y	N				18.
24	11	1986	E2	0.79	Y	N				24.
24	11	1986	E3	0.81	Y	N				18.
24	11	1986	E4	0.79	Y	N				20.
25	11	1986	C1	0.8	Y	N				2.
25	11	1986	C2	0.78	Y	N				2.
25	11	1986	C3	0.77	Y	N				4.
25	11	1986	C4	0.8	Y	N				2.
25	11	1986	C5	0.87	Y	N				2.
25	11	1986	C6	0.82	Y	N				2.
25	11	1986	C7	0.81	Y	N				2.
25	11	1986	C8	0.8	Y	N				2.
25	11	1986	E1	0.8	Y	N				2.
25	11	1986	E2	0.8	Y	N				2.
25	11	1986	E3	0.8	Y	N				2.
25	11	1986	E4	0.79	Y	N				2.
26	11	1986	C1	0.78	Y	N				2.
26	11	1986	C2	0.77	Y	N				2.
26	11	1986	C3	0.75	Y	N				2.
26	11	1986	C4	0.78	Y	N				2.
26	11	1986	C5	0.86	Y	N				2.
26	11	1986	C6	0.8	Y	N				2.
26	11	1986	C7	0.8	Y	N				2.
26	11	1986	C8	0.78	Y	N				2.
26	11	1986	E1	0.79	Y	N				2.
26	11	1986	E2	0.78	Y	N				2.
26	11	1986	E3	0.78	Y	N				2.
26	11	1986	E4	0.77	Y	N				2.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
27	11	1986	C1	0.76	Y	N				2.
27	11	1986	C2	0.75	Y	N				2.
27	11	1986	C3	0.73	Y	N				22.
27	11	1986	C4	0.76	Y	N				2.
27	11	1986	C5	0.85	Y	N				2.
27	11	1986	C6	0.78	Y	N				2.
27	11	1986	C7	0.78	Y	N				2.
27	11	1986	C8	0.76	Y	N				2.
27	11	1986	E1	0.77	Y	N				2.
27	11	1986	E2	0.75	Y	N				2.
27	11	1986	E3	0.76	Y	N				2.
27	11	1986	E4	0.75	Y	N				2.
28	11	1986	C1	0.74	Y	N				2.
28	11	1986	C2	0.73	Y	N				2.
28	11	1986	C3	0.71	Y	N				2.
28	11	1986	C4	0.74	Y	N				2.
28	11	1986	C5	0.85	Y	N				2.
28	11	1986	C6	0.76	Y	N				2.
28	11	1986	C7	0.75	Y	N				2.
28	11	1986	C8	0.74	Y	N				2.
28	11	1986	E1	0.75	Y	N				2.
28	11	1986	E2	0.73	Y	N				2.
28	11	1986	E3	0.74	Y	N				2.
28	11	1986	E4	0.73	Y	N				2.
29	11	1986	C1	0.72	Y	N				2.
29	11	1986	C2	0.71	Y	N				2.
29	11	1986	C3	0.69	Y	N				2.
29	11	1986	C4	0.72	Y	N				2.
29	11	1986	C5	0.85	Y	N				2.
29	11	1986	C6	0.74	Y	N				2.
29	11	1986	C7	0.73	Y	N				2.
29	11	1986	C8	0.72	Y	N				2.
29	11	1986	E1	0.73	Y	N				2.
29	11	1986	E2	0.71	Y	N				2.
29	11	1986	E3	0.72	Y	N				2.
29	11	1986	E4	0.71	Y	N				2.
30	11	1986	C1	0.7	Y	N				16.
30	11	1986	C2	0.69	Y	N				8.
30	11	1986	C3	0.67	Y	N				16.
30	11	1986	C4	0.7	Y	N				8.
30	11	1986	C5	0.81	Y	N				8.
30	11	1986	C6	0.72	Y	N				2.
30	11	1986	C7	0.71	Y	N				6.
30	11	1986	C8	0.7	Y	N				4.
30	11	1986	E1	0.71	Y	N				4.
30	11	1986	E2	0.69	Y	N				4.
30	11	1986	E3	0.7	Y	N				10.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
30	11	1986	E4	0.69	Y	N				10.
1	12	1986	C1	0.77	Y	N				10.
1	12	1986	C2	0.72	Y	N				16.
1	12	1986	C3	0.74	Y	N				18.
1	12	1986	C4	0.73	Y	N				14.
1	12	1986	C5	0.84	Y	N				2.
1	12	1986	C6	0.72	Y	N				16.
1	12	1986	C7	0.73	Y	N				24.
1	12	1986	C8	0.7	Y	N				32.
1	12	1986	E1	0.7	Y	N				26.
1	12	1986	E2	0.71	Y	N				18.
1	12	1986	E3	0.73	Y	N				24.
1	12	1986	E4	0.72	Y	N				24.
2	12	1986	C1	0.8	Y	N				20.
2	12	1986	C2	0.79	Y	N				22.
2	12	1986	C3	0.82	Y	N				16.
2	12	1986	C4	0.78	Y	N				32.
2	12	1986	C5	0.84	Y	N				16.
2	12	1986	C6	0.76	Y	N				32.
2	12	1986	C7	0.82	Y	N				24.
2	12	1986	C8	0.83	Y	N				14.
2	12	1986	E1	0.8	Y	N				26.
2	12	1986	E2	0.78	Y	N				26.
2	12	1986	E3	0.82	Y	N				16.
2	12	1986	E4	0.83	Y	N				12.
3	12	1986	C1	0.85	Y	N				16.
3	12	1986	C2	0.8	Y	N				20.
3	12	1986	C3	0.84	Y	N				12.
3	12	1986	C4	0.82	Y	N				24.
3	12	1986	C5	0.89	Y	N				2.
3	12	1986	C6	0.83	Y	N				20.
3	12	1986	C7	0.84	Y	N				22.
3	12	1986	C8	0.86	Y	N				16.
3	12	1986	E1	0.81	Y	N				32.
3	12	1986	E2	0.8	Y	N				28.
3	12	1986	E3	0.83	Y	N				16.
3	12	1986	E4	0.84	Y	N				12.
4	12	1986	C1	0.86	Y	N				12.
4	12	1986	C2	0.82	Y	N				18.
4	12	1986	C3	0.84	Y	N				12.
4	12	1986	C4	0.83	Y	N				22.
4	12	1986	C5	0.88	Y	N				4.
4	12	1986	C6	0.84	Y	N				20.
4	12	1986	C7	0.83	Y	N				24.
4	12	1986	C8	0.85	Y	N				22.
4	12	1986	E1	0.83	Y	N				20.
4	12	1986	E2	0.81	Y	N				18.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
4	12	1986	E3	0.84	Y	N				14.
4	12	1986	E4	0.82	Y	N				14.
5	12	1986	C1	0.85	Y	N				18.
5	12	1986	C2	0.81	Y	N				22.
5	12	1986	C3	0.85	Y	N				10.
5	12	1986	C4	0.82	Y	N				22.
5	12	1986	C5	0.89	Y	N				2.
5	12	1986	C6	0.83	Y	N				20.
5	12	1986	C7	0.82	Y	N				28.
5	12	1986	C8	0.84	Y	N				26.
5	12	1986	E1	0.82	Y	N				20.
5	12	1986	E2	0.8	Y	N				24.
5	12	1986	E3	0.83	Y	N				18.
5	12	1986	E4	0.81	Y	N				18.
6	12	1986	C1	0.84	Y	N				26.
6	12	1986	C2	0.8	Y	N				26.
6	12	1986	C3	0.84	Y	N				14.
6	12	1986	C4	0.81	Y	N				30.
6	12	1986	C5	0.87	Y	N				12.
6	12	1986	C6	0.84	Y	N				20.
6	12	1986	C7	0.83	Y	N				24.
6	12	1986	C8	0.86	Y	N				20.
6	12	1986	E1	0.81	Y	N				20.
6	12	1986	E2	0.82	Y	N				20.
6	12	1986	E3	0.82	Y	N				22.
6	12	1986	E4	0.85	Y	N				16.
7	12	1986	C1	0.86	Y	N				20.
7	12	1986	C2	0.82	Y	N				22.
7	12	1986	C3	0.85	Y	N				14.
7	12	1986	C4	0.82	Y	N				30.
7	12	1986	C5	0.93	N	N				0.
7	12	1986	C6	0.81	Y	N				22.
7	12	1986	C7	0.8	Y	N				24.
7	12	1986	C8	0.81	Y	N				20.
7	12	1986	E1	0.82	Y	N				28.
7	12	1986	E2	0.84	Y	N				20.
7	12	1986	E3	0.81	Y	N				22.
7	12	1986	E4	0.81	Y	N				18.
8	12	1986	C1	0.87	Y	N				12.
8	12	1986	C2	0.81	Y	N				18.
8	12	1986	C3	0.86	Y	N				8.
8	12	1986	C4	0.86	Y	N				16.
8	12	1986	C5	0.93	N	N				0.
8	12	1986	C6	0.8	Y	N				20.
8	12	1986	C7	0.81	Y	N				18.
8	12	1986	C8	0.8	Y	N				22.
8	12	1986	E1	0.81	Y	N				30.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
8	12	1986	E2	0.85	Y	N				16.
8	12	1986	E3	0.8	Y	N				20.
8	12	1986	E4	0.8	Y	N				18.
9	12	1986	C1	0.86	Y	N				16.
9	12	1986	C2	0.8	Y	N				24.
9	12	1986	C3	0.84	Y	N				12.
9	12	1986	C4	0.85	Y	N				20.
9	12	1986	C5	0.93	N	N				0.
9	12	1986	C6	0.79	Y	N				28.
9	12	1986	C7	0.79	Y	N				24.
9	12	1986	C8	0.81	Y	N				24.
9	12	1986	E1	0.82	Y	N				28.
9	12	1986	E2	0.81	Y	N				24.
9	12	1986	E3	0.8	Y	N				22.
9	12	1986	E4	0.79	Y	N				22.
10	12	1986	C1	0.87	Y	N				12.
10	12	1986	C2	0.81	Y	N				18.
10	12	1986	C3	0.83	Y	N				16.
10	12	1986	C4	0.86	Y	N				16.
10	12	1986	C5	0.93	N	N				0.
10	12	1986	C6	0.8	Y	N				32.
10	12	1986	C7	0.83	Y	N				20.
10	12	1986	C8	0.8	Y	N				20.
10	12	1986	E1	0.81	Y	N				28.
10	12	1986	E2	0.83	Y	N				18.
10	12	1986	E3	0.81	Y	N				22.
10	12	1986	E4	0.8	Y	N				20.
11	12	1986	C1	0.86	Y	N				14.
11	12	1986	C2	0.8	Y	N				24.
11	12	1986	C3	0.79	Y	N				22.
11	12	1986	C4	0.85	Y	N				22.
11	12	1986	C5	0.93	N	N				0.
11	12	1986	C6	0.81	Y	N				24.
11	12	1986	C7	0.82	Y	N				16.
11	12	1986	C8	0.8	Y	N				20.
11	12	1986	E1	0.83	Y	N				30.
11	12	1986	E2	0.8	Y	N				30.
11	12	1986	E3	0.82	Y	N				22.
11	12	1986	E4	0.81	Y	N				18.
12	12	1986	C1	0.85	Y	N				20.
12	12	1986	C2	0.82	Y	N				18.
12	12	1986	C3	0.8	Y	N				20.
12	12	1986	C4	0.86	Y	N				18.
12	12	1986	C5	0.93	N	N				0.
12	12	1986	C6	0.8	Y	N				24.
12	12	1986	C7	0.8	Y	N				26.
12	12	1986	C8	0.79	Y	N				26.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
12	12	1986	E1	0.83	Y	N				28.
12	12	1986	E2	0.81	Y	N				26.
12	12	1986	E3	0.8	Y	N				24.
12	12	1986	E4	0.8	Y	N				20.
13	12	1986	C1	0.86	Y	N				16.
13	12	1986	C2	0.83	Y	N				18.
13	12	1986	C3	0.81	Y	N				20.
13	12	1986	C4	0.85	Y	N				20.
13	12	1986	C5	0.93	N	N				0.
13	12	1986	C6	0.81	Y	N				24.
13	12	1986	C7	0.8	Y	N				26.
13	12	1986	C8	0.8	Y	N				32.
13	12	1986	E1	0.84	Y	N				26.
13	12	1986	E2	0.8	Y	N				26.
13	12	1986	E3	0.81	Y	N				20.
13	12	1986	E4	0.79	Y	N				22.
14	12	1986	C1	0.86	Y	N				12.
14	12	1986	C2	0.84	Y	N				12.
14	12	1986	C3	0.82	Y	N				14.
14	12	1986	C4	0.86	Y	N				14.
14	12	1986	C5	0.93	N	N				0.
14	12	1986	C6	0.82	Y	N				18.
14	12	1986	C7	0.81	Y	N				18.
14	12	1986	C8	0.82	Y	N				16.
14	12	1986	E1	0.85	Y	N				22.
14	12	1986	E2	0.81	Y	N				26.
14	12	1986	E3	0.82	Y	N				20.
14	12	1986	E4	0.8	Y	N				20.
15	12	1986	C1	0.83	Y	N				24.
15	12	1986	C2	0.8	Y	N				24.
15	12	1986	C3	0.8	Y	N				20.
15	12	1986	C4	0.86	Y	N				14.
15	12	1986	C5	0.93	N	N				0.
15	12	1986	C6	0.81	Y	N				24.
15	12	1986	C7	0.8	Y	N				30.
15	12	1986	C8	0.8	Y	N				30.
15	12	1986	E1	0.82	Y	N				30.
15	12	1986	E2	0.82	Y	N				24.
15	12	1986	E3	0.8	Y	N				22.
15	12	1986	E4	0.79	Y	N				22.
16	12	1986	C1	0.84	Y	N				20.
16	12	1986	C2	0.82	Y	N				18.
16	12	1986	C3	0.81	Y	N				18.
16	12	1986	C4	0.85	Y	N				14.
16	12	1986	C5	0.93	N	N				0.
16	12	1986	C6	0.82	Y	N				22.
16	12	1986	C7	0.82	Y	N				22.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
16	12	1986	C8	0.81	Y	N				30.
16	12	1986	E1	0.83	Y	N				24.
16	12	1986	E2	0.83	Y	N				20.
16	12	1986	E3	0.8	Y	N				22.
16	12	1986	E4	0.8	Y	N				20.
17	12	1986	C1	0.82	Y	N				20.
17	12	1986	C2	0.81	Y	N				18.
17	12	1986	C3	0.8	Y	N				20.
17	12	1986	C4	0.84	Y	N				14.
17	12	1986	C5	0.93	N	N				0.
17	12	1986	C6	0.81	Y	N				26.
17	12	1986	C7	0.81	Y	N				26.
17	12	1986	C8	0.8	Y	N				24.
17	12	1986	E1	0.82	Y	N				22.
17	12	1986	E2	0.82	Y	N				20.
17	12	1986	E3	0.81	Y	N				22.
17	12	1986	E4	0.79	Y	N				22.
18	12	1986	C1	0.82	Y	N				26.
18	12	1986	C2	0.8	Y	N				16.
18	12	1986	C3	0.79	Y	N				22.
18	12	1986	C4	0.83	Y	N				14.
18	12	1986	C5	0.83	Y	N				14.
18	12	1986	C6	0.8	Y	N				22.
18	12	1986	C7	0.8	Y	N				22.
18	12	1986	C8	0.79	Y	N				28.
18	12	1986	E1	0.79	Y	N				38.
18	12	1986	E2	0.81	Y	N				30.
18	12	1986	E3	0.8	Y	N				22.
18	12	1986	E4	0.79	Y	N				22.
19	12	1986	C1	0.84	Y	N				20.
19	12	1986	C2	0.82	Y	N				20.
19	12	1986	C3	0.8	Y	N				20.
19	12	1986	C4	0.86	Y	N				22.
19	12	1986	C5	0.84	Y	N				16.
19	12	1986	C6	0.86	Y	N				12.
19	12	1986	C7	0.85	Y	N				10.
19	12	1986	C8	0.82	Y	N				22.
19	12	1986	E1	0.84	Y	N				26.
19	12	1986	E2	0.86	Y	N				18.
19	12	1986	E3	0.82	Y	N				18.
19	12	1986	E4	0.8	Y	N				22.
20	12	1986	C1	0.82	Y	N				22.
20	12	1986	C2	0.84	Y	N				18.
20	12	1986	C3	0.82	Y	N				16.
20	12	1986	C4	0.87	Y	N				18.
20	12	1986	C5	0.85	Y	N				10.
20	12	1986	C6	0.85	Y	N				16.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
20	12	1986	C7	0.86	Y	N				10.
20	12	1986	C8	0.83	Y	N				16.
20	12	1986	E1	0.85	Y	N				24.
20	12	1986	E2	0.87	Y	N				14.
20	12	1986	E3	0.84	Y	N				16.
20	12	1986	E4	0.82	Y	N				16.
21	12	1986	C1	0.85	Y	N				12.
21	12	1986	C2	0.82	Y	N				16.
21	12	1986	C3	0.83	Y	N				14.
21	12	1986	C4	0.86	Y	N				16.
21	12	1986	C5	0.84	Y	N				12.
21	12	1986	C6	0.84	Y	N				16.
21	12	1986	C7	0.87	Y	N				8.
21	12	1986	C8	0.84	Y	N				12.
21	12	1986	E1	0.86	Y	N				18.
21	12	1986	E2	0.86	Y	N				12.
21	12	1986	E3	0.82	Y	N				18.
21	12	1986	E4	0.83	Y	N				14.
22	12	1986	C1	0.84	Y	N				12.
22	12	1986	C2	0.81	Y	N				18.
22	12	1986	C3	0.82	Y	N				14.
22	12	1986	C4	0.85	Y	N				10.
22	12	1986	C5	0.83	Y	N				14.
22	12	1986	C6	0.83	Y	N				14.
22	12	1986	C7	0.85	Y	N				12.
22	12	1986	C8	0.82	Y	N				16.
22	12	1986	E1	0.84	Y	N				20.
22	12	1986	E2	0.84	Y	N				14.
22	12	1986	E3	0.81	Y	N				22.
22	12	1986	E4	0.82	Y	N				16.
23	12	1986	C1	0.83	Y	N				14.
23	12	1986	C2	0.8	Y	N				20.
23	12	1986	C3	0.81	Y	N				18.
23	12	1986	C4	0.84	Y	N				12.
23	12	1986	C5	0.82	Y	N				16.
23	12	1986	C6	0.8	Y	N				20.
23	12	1986	C7	0.83	Y	N				16.
23	12	1986	C8	0.8	Y	N				20.
23	12	1986	E1	0.82	Y	N				16.
23	12	1986	E2	0.83	Y	N				18.
23	12	1986	E3	0.8	Y	N				20.
23	12	1986	E4	0.8	Y	N				18.
24	12	1986	C1	0.82	Y	N				16.
24	12	1986	C2	0.79	Y	N				22.
24	12	1986	C3	0.79	Y	N				20.
24	12	1986	C4	0.82	Y	N				16.
24	12	1986	C5	0.8	Y	N				18.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
24	12	1986	C6	0.79	Y	N				22.
24	12	1986	C7	0.8	Y	N				20.
24	12	1986	C8	0.78	Y	N				24.
24	12	1986	E1	0.8	Y	N				20.
24	12	1986	E2	0.81	Y	N				20.
24	12	1986	E3	0.78	Y	N				24.
24	12	1986	E4	0.8	Y	N				18.
25	12	1986	C1	0.8	Y	N				20.
25	12	1986	C2	0.82	Y	N				16.
25	12	1986	C3	0.79	Y	N				22.
25	12	1986	C4	0.8	Y	N				20.
25	12	1986	C5	0.81	Y	N				18.
25	12	1986	C6	0.8	Y	N				16.
25	12	1986	C7	0.78	Y	N				26.
25	12	1986	C8	0.79	Y	N				22.
25	12	1986	E1	0.8	Y	N				20.
25	12	1986	E2	0.78	Y	N				24.
25	12	1986	E3	0.78	Y	N				28.
25	12	1986	E4	0.81	Y	N				18.
26	12	1986	C1	0.8	Y	N				20.
26	12	1986	C2	0.78	Y	N				24.
26	12	1986	C3	0.78	Y	N				24.
26	12	1986	C4	0.81	Y	N				20.
26	12	1986	C5	0.82	Y	N				18.
26	12	1986	C6	0.79	Y	N				28.
26	12	1986	C7	0.79	Y	N				22.
26	12	1986	C8	0.8	Y	N				20.
26	12	1986	E1	0.82	Y	N				18.
26	12	1986	E2	0.83	Y	N				14.
26	12	1986	E3	0.81	Y	N				22.
26	12	1986	E4	0.8	Y	N				20.
27	12	1986	C1	0.81	Y	N				22.
27	12	1986	C2	0.8	Y	N				22.
27	12	1986	C3	0.8	Y	N				20.
27	12	1986	C4	0.82	Y	N				24.
27	12	1986	C5	0.83	Y	N				16.
27	12	1986	C6	0.8	Y	N				20.
27	12	1986	C7	0.8	Y	N				20.
27	12	1986	C8	0.82	Y	N				20.
27	12	1986	E1	0.81	Y	N				18.
27	12	1986	E2	0.83	Y	N				18.
27	12	1986	E3	0.82	Y	N				18.
27	12	1986	E4	0.8	Y	N				20.
28	12	1986	C1	0.82	Y	N				22.
28	12	1986	C2	0.81	Y	N				22.
28	12	1986	C3	0.83	Y	N				16.
28	12	1986	C4	0.84	Y	N				24.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
28	12	1986	C5	0.85	Y	N				12.
28	12	1986	C6	0.81	Y	N				22.
28	12	1986	C7	0.81	Y	N				18.
28	12	1986	C8	0.83	Y	N				16.
28	12	1986	E1	0.82	Y	N				28.
28	12	1986	E2	0.82	Y	N				22.
28	12	1986	E3	0.8	Y	N				24.
28	12	1986	E4	0.81	Y	N				18.
29	12	1986	C1	0.83	Y	N				14.
29	12	1986	C2	0.82	Y	N				16.
29	12	1986	C3	0.84	Y	N				12.
29	12	1986	C4	0.85	Y	N				10.
29	12	1986	C5	0.86	Y	N				8.
29	12	1986	C6	0.8	Y	N				20.
29	12	1986	C7	0.8	Y	N				20.
29	12	1986	C8	0.8	Y	N				20.
29	12	1986	E1	0.83	Y	N				20.
29	12	1986	E2	0.81	Y	N				18.
29	12	1986	E3	0.81	Y	N				20.
29	12	1986	E4	0.8	Y	N				20.
30	12	1986	C1	0.82	Y	N				18.
30	12	1986	C2	0.8	Y	N				20.
30	12	1986	C3	0.83	Y	N				14.
30	12	1986	C4	0.84	Y	N				12.
30	12	1986	C5	0.85	Y	N				16.
30	12	1986	C6	0.8	Y	N				20.
30	12	1986	C7	0.79	Y	N				22.
30	12	1986	C8	0.79	Y	N				28.
30	12	1986	E1	0.8	Y	N				28.
30	12	1986	E2	0.8	Y	N				26.
30	12	1986	E3	0.8	Y	N				20.
30	12	1986	E4	0.8	Y	N				20.
31	12	1986	C1	0.85	Y	N				14.
31	12	1986	C2	0.85	Y	N				10.
31	12	1986	C3	0.86	Y	N				8.
31	12	1986	C4	0.82	Y	N				28.
31	12	1986	C5	0.81	Y	N				18.
31	12	1986	C6	0.83	Y	N				20.
31	12	1986	C7	0.84	Y	N				16.
31	12	1986	C8	0.81	Y	N				18.
31	12	1986	E1	0.84	Y	N				24.
31	12	1986	E2	0.8	Y	N				28.
31	12	1986	E3	0.83	Y	N				16.
31	12	1986	E4	0.8	Y	N				20.
1	1	1987	C1	0.86	Y	N				8.
1	1	1987	C2	0.86	Y	N				8.
1	1	1987	C3	0.85	Y	N				10.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
1	1	1987	C4	0.81	Y	N				28.
1	1	1987	C5	0.8	Y	N				18.
1	1	1987	C6	0.8	Y	N				24.
1	1	1987	C7	0.81	Y	N				20.
1	1	1987	C8	0.8	Y	N				20.
1	1	1987	E1	0.82	Y	N				24.
1	1	1987	E2	0.81	Y	N				24.
1	1	1987	E3	0.8	Y	N				20.
1	1	1987	E4	0.8	Y	N				20.
2	1	1987	C1	0.85	Y	N				
2	1	1987	C2	0.84	Y	N				
2	1	1987	C3	0.81	Y	N				
2	1	1987	C4	0.83	Y	N				
2	1	1987	C5	0.87	Y	N				
2	1	1987	C6	0.81	Y	N				
2	1	1987	C7	0.8	Y	N				
2	1	1987	C8	0.8	Y	N				
2	1	1987	E1	0.83	Y	N				
2	1	1987	E2	0.82	Y	N				
2	1	1987	E3	0.8	Y	N				
2	1	1987	E4	0.81	Y	N				
3	1	1987	C1	0.8	Y	N				
3	1	1987	C2	0.82	Y	N				
3	1	1987	C3	0.83	Y	N				
3	1	1987	C4	0.9	Y	N				
3	1	1987	C5	0.85	Y	N				
3	1	1987	C6	0.8	Y	N				
3	1	1987	C7	0.82	Y	N				
3	1	1987	C8	0.81	Y	N				
3	1	1987	E1	0.84	Y	N				
3	1	1987	E2	0.85	Y	N				
3	1	1987	E3	0.83	Y	N				
3	1	1987	E4	0.8	Y	N				
4	1	1987	C1	0.83	Y	N				
4	1	1987	C2	0.81	Y	N				
4	1	1987	C3	0.87	Y	N				
4	1	1987	C4	0.85	Y	N				
4	1	1987	C5	0.8	Y	N				
4	1	1987	C6	0.89	Y	N				
4	1	1987	C7	0.82	Y	N				
4	1	1987	C8	0.8	Y	N				
4	1	1987	E1	0.82	Y	N				
4	1	1987	E2	0.81	Y	N				
4	1	1987	E3	0.87	Y	N				
4	1	1987	E4	0.86	Y	N				
5	1	1987	C1	0.9	N	N				0.
5	1	1987	C2	0.85	Y	N				

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
5	1	1987	C3	0.9	N	N				0.
5	1	1987	C4	0.89	Y	N				
5	1	1987	C5	0.87	Y	N				
5	1	1987	C6	0.83	Y	N				
5	1	1987	C7	0.9	N	N				0.
5	1	1987	C8	0.85	Y	N				
5	1	1987	E1	0.9	N	N				0.
5	1	1987	E2	0.87	Y	N				
5	1	1987	E3	0.91	N	N				0.
5	1	1987	E4	0.8	Y	N				
6	1	1987	C1	0.87	Y	N				8.
6	1	1987	C2	0.86	Y	N				8.
6	1	1987	C3	0.85	Y	N				10.
6	1	1987	C4	0.82	Y	N				24.
6	1	1987	C5	0.85	Y	N				10.
6	1	1987	C6	0.82	Y	N				18.
6	1	1987	C7	0.8	Y	N				20.
6	1	1987	C8	0.83	Y	N				18.
6	1	1987	E1	0.87	Y	N				18.
6	1	1987	E2	0.84	Y	N				12.
6	1	1987	E3	0.85	Y	N				16.
6	1	1987	E4	0.8	Y	N				20.
7	1	1987	C1	0.86	Y	N				16.
7	1	1987	C2	0.85	Y	N				14.
7	1	1987	C3	0.84	Y	N				12.
7	1	1987	C4	0.81	Y	N				30.
7	1	1987	C5	0.84	Y	N				12.
7	1	1987	C6	0.81	Y	N				22.
7	1	1987	C7	0.8	Y	N				26.
7	1	1987	C8	0.8	Y	N				20.
7	1	1987	E1	0.85	Y	N				22.
7	1	1987	E2	0.82	Y	N				18.
7	1	1987	E3	0.84	Y	N				20.
7	1	1987	E4	0.8	Y	N				20.
8	1	1987	C1	0.87	Y	N				10.
8	1	1987	C2	0.87	Y	N				12.
8	1	1987	C3	0.85	Y	N				2.
8	1	1987	C4	0.84	Y	N				24.
8	1	1987	C5	0.85	Y	N				10.
8	1	1987	C6	0.82	Y	N				18.
8	1	1987	C7	0.84	Y	N				20.
8	1	1987	C8	0.8	Y	N				22.
8	1	1987	E1	0.86	Y	N				18.
8	1	1987	E2	0.83	Y	N				14.
8	1	1987	E3	0.85	Y	N				16.
8	1	1987	E4	0.8	Y	N				20.
9	1	1987	C1	0.86	Y	N				12.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
9	1	1987	C2	0.86	Y	N				8.
9	1	1987	C3	0.84	Y	N				12.
9	1	1987	C4	0.83	Y	N				22.
9	1	1987	C5	0.84	Y	N				12.
9	1	1987	C6	0.81	Y	N				18.
9	1	1987	C7	0.8	Y	N				20.
9	1	1987	C8	0.85	Y	N				10.
9	1	1987	E1	0.85	Y	N				16.
9	1	1987	E2	0.82	Y	N				16.
9	1	1987	E3	0.83	Y	N				14.
9	1	1987	E4	0.8	Y	N				20.
10	1	1987	C1	0.85	Y	N				10.
10	1	1987	C2	0.84	Y	N				12.
10	1	1987	C3	0.82	Y	N				16.
10	1	1987	C4	0.82	Y	N				20.
10	1	1987	C5	0.83	Y	N				14.
10	1	1987	C6	0.8	Y	N				20.
10	1	1987	C7	0.79	Y	N				22.
10	1	1987	C8	0.8	Y	N				20.
10	1	1987	E1	0.83	Y	N				14.
10	1	1987	E2	0.81	Y	N				24.
10	1	1987	E3	0.8	Y	N				20.
10	1	1987	E4	0.8	Y	N				20.
11	1	1987	C1	0.83	Y	N				20.
11	1	1987	C2	0.82	Y	N				16.
11	1	1987	C3	0.81	Y	N				18.
11	1	1987	C4	0.81	Y	N				26.
11	1	1987	C5	0.8	Y	N				20.
11	1	1987	C6	0.8	Y	N				20.
11	1	1987	C7	0.8	Y	N				20.
11	1	1987	C8	0.79	Y	N				22.
11	1	1987	E1	0.8	Y	N				32.
11	1	1987	E2	0.8	Y	N				20.
11	1	1987	E3	0.78	Y	N				24.
11	1	1987	E4	0.8	Y	N				20.
12	1	1987	C1	0.84	Y	N				16.
12	1	1987	C2	0.81	Y	N				18.
12	1	1987	C3	0.8	Y	N				20.
12	1	1987	C4	0.8	Y	N				20.
12	1	1987	C5	0.92	N	N				0.
12	1	1987	C6	0.82	Y	N				22.
12	1	1987	C7	0.81	Y	N				20.
12	1	1987	C8	0.8	Y	N				30.
12	1	1987	E1	0.82	Y	N				22.
12	1	1987	E2	0.81	Y	N				30.
12	1	1987	E3	0.8	Y	N				24.
12	1	1987	E4	0.8	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
13	1	1987	C1	0.83	Y	N				18.
13	1	1987	C2	0.8	Y	N				16.
13	1	1987	C3	0.8	Y	N				20.
13	1	1987	C4	0.81	Y	N				30.
13	1	1987	C5	0.91	N	N				0.
13	1	1987	C6	0.83	Y	N				16.
13	1	1987	C7	0.82	Y	N				16.
13	1	1987	C8	0.81	Y	N				22.
13	1	1987	E1	0.81	Y	N				32.
13	1	1987	E2	0.83	Y	N				22.
13	1	1987	E3	0.8	Y	N				24.
13	1	1987	E4	0.8	Y	N				20.
14	1	1987	C1	0.85	Y	N				16.
14	1	1987	C2	0.82	Y	N				18.
14	1	1987	C3	0.82	Y	N				16.
14	1	1987	C4	0.82	Y	N				24.
14	1	1987	C5	0.91	N	N				0.
14	1	1987	C6	0.8	Y	N				20.
14	1	1987	C7	0.83	Y	N				14.
14	1	1987	C8	0.82	Y	N				18.
14	1	1987	E1	0.85	Y	N				22.
14	1	1987	E2	0.84	Y	N				20.
14	1	1987	E3	0.83	Y	N				18.
14	1	1987	E4	0.81	Y	N				18.
15	1	1987	C1	0.84	Y	N				24.
15	1	1987	C2	0.81	Y	N				16.
15	1	1987	C3	0.81	Y	N				18.
15	1	1987	C4	0.86	Y	N				22.
15	1	1987	C5	0.91	N	N				0.
15	1	1987	C6	0.8	Y	N				28.
15	1	1987	C7	0.82	Y	N				20.
15	1	1987	C8	0.8	Y	N				22.
15	1	1987	E1	0.84	Y	N				20.
15	1	1987	E2	0.82	Y	N				28.
15	1	1987	E3	0.81	Y	N				18.
15	1	1987	E4	0.8	Y	N				20.
16	1	1987	C1	0.85	Y	N				22.
16	1	1987	C2	0.84	Y	N				16.
16	1	1987	C3	0.86	Y	N				8.
16	1	1987	C4	0.84	Y	N				18.
16	1	1987	C5	0.92	N	N				0.
16	1	1987	C6	0.8	Y	N				20.
16	1	1987	C7	0.81	Y	N				18.
16	1	1987	C8	0.8	Y	N				28.
16	1	1987	E1	0.85	Y	N				24.
16	1	1987	E2	0.86	Y	N				24.
16	1	1987	E3	0.82	Y	N				28.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
16	1	1987	E4	0.8	Y	N				20.
17	1	1987	C1	0.86	Y	N				18.
17	1	1987	C2	0.85	Y	N				14.
17	1	1987	C3	0.86	Y	N				8.
17	1	1987	C4	0.85	Y	N				20.
17	1	1987	C5	0.92	N	N				0.
17	1	1987	C6	0.81	Y	N				18.
17	1	1987	C7	0.82	Y	N				16.
17	1	1987	C8	0.83	Y	N				14.
17	1	1987	E1	0.87	Y	N				20.
17	1	1987	E2	0.87	Y	N				14.
17	1	1987	E3	0.85	Y	N				14.
17	1	1987	E4	0.8	Y	N				20.
18	1	1987	C1	0.85	Y	N				14.
18	1	1987	C2	0.84	Y	N				12.
18	1	1987	C3	0.85	Y	N				10.
18	1	1987	C4	0.84	Y	N				14.
18	1	1987	C5	0.92	N	N				0.
18	1	1987	C6	0.8	Y	N				20.
18	1	1987	C7	0.81	Y	N				18.
18	1	1987	C8	0.82	Y	N				16.
18	1	1987	E1	0.85	Y	N				16.
18	1	1987	E2	0.86	Y	N				18.
18	1	1987	E3	0.84	Y	N				12.
18	1	1987	E4	0.8	Y	N				20.
19	1	1987	C1	0.83	Y	N				16.
19	1	1987	C2	0.82	Y	N				16.
19	1	1987	C3	0.83	Y	N				14.
19	1	1987	C4	0.8	Y	N				20.
19	1	1987	C5	0.9	N	N				0.
19	1	1987	C6	0.8	Y	N				20.
19	1	1987	C7	0.79	Y	N				22.
19	1	1987	C8	0.8	Y	N				20.
19	1	1987	E1	0.83	Y	N				22.
19	1	1987	E2	0.85	Y	N				14.
19	1	1987	E3	0.83	Y	N				14.
19	1	1987	E4	0.8	Y	N				20.
20	1	1987	C1	0.84	Y	N				12.
20	1	1987	C2	0.83	Y	N				16.
20	1	1987	C3	0.85	Y	N				10.
20	1	1987	C4	0.83	Y	N				26.
20	1	1987	C5	0.9	N	N				0.
20	1	1987	C6	0.82	Y	N				18.
20	1	1987	C7	0.83	Y	N				20.
20	1	1987	C8	0.81	Y	N				18.
20	1	1987	E1	0.84	Y	N				12.
20	1	1987	E2	0.84	Y	N				12.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
20	1	1987	E3	0.82	Y	N				18.
20	1	1987	E4	0.8	Y	N				20.
21	1	1987	C1	0.83	Y	N				20.
21	1	1987	C2	0.82	Y	N				16.
21	1	1987	C3	0.84	Y	N				12.
21	1	1987	C4	0.82	Y	N				20.
21	1	1987	C5	0.9	N	N				0.
21	1	1987	C6	0.81	Y	N				18.
21	1	1987	C7	0.81	Y	N				18.
21	1	1987	C8	0.8	Y	N				24.
21	1	1987	E1	0.82	Y	N				16.
21	1	1987	E2	0.86	Y	N				14.
21	1	1987	E3	0.81	Y	N				20.
21	1	1987	E4	0.8	Y	N				20.
22	1	1987	C1	0.9	N	N				0.
22	1	1987	C2	0.9	N	N				0.
22	1	1987	C3	0.89	Y	N				4.
22	1	1987	C4	0.87	Y	N				6.
22	1	1987	C5	0.9	N	N				0.
22	1	1987	C6	0.86	Y	N				14.
22	1	1987	C7	0.8	Y	N				20.
22	1	1987	C8	0.82	Y	N				16.
22	1	1987	E1	0.85	Y	N				20.
22	1	1987	E2	0.9	N	N				0.
22	1	1987	E3	0.89	Y	N				4.
22	1	1987	E4	0.87	Y	N				6.
23	1	1987	C1	0.87	Y	N				12.
23	1	1987	C2	0.84	Y	N				14.
23	1	1987	C3	0.87	Y	N				6.
23	1	1987	C4	0.85	Y	N				10.
23	1	1987	C5	0.9	N	N				0.
23	1	1987	C6	0.85	Y	N				10.
23	1	1987	C7	0.8	Y	N				18.
23	1	1987	C8	0.8	Y	N				20.
23	1	1987	E1	0.86	Y	N				16.
23	1	1987	E2	0.84	Y	N				22.
23	1	1987	E3	0.8	Y	N				20.
23	1	1987	E4	0.8	Y	N				20.
24	1	1987	C1	0.85	Y	N				10.
24	1	1987	C2	0.83	Y	N				14.
24	1	1987	C3	0.85	Y	N				10.
24	1	1987	C4	0.84	Y	N				18.
24	1	1987	C5	0.9	N	N				0.
24	1	1987	C6	0.83	Y	N				14.
24	1	1987	C7	0.8	Y	N				20.
24	1	1987	C8	0.8	Y	N				20.
24	1	1987	E1	0.83	Y	N				24.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
24	1	1987	E2	0.82	Y	N				20.
24	1	1987	E3	0.8	Y	N				20.
24	1	1987	E4	0.8	Y	N				20.
25	1	1987	C1	0.84	Y	N				12.
25	1	1987	C2	0.82	Y	N				16.
25	1	1987	C3	0.84	Y	N				12.
25	1	1987	C4	0.81	Y	N				18.
25	1	1987	C5	0.9	N	N				0.
25	1	1987	C6	0.8	Y	N				20.
25	1	1987	C7	0.79	Y	N				20.
25	1	1987	C8	0.79	Y	N				22.
25	1	1987	E1	0.8	Y	N				28.
25	1	1987	E2	0.81	Y	N				22.
25	1	1987	E3	0.78	Y	N				22.
25	1	1987	E4	0.8	Y	N				20.
26	1	1987	C1	0.83	Y	N				18.
26	1	1987	C2	0.81	Y	N				18.
26	1	1987	C3	0.83	Y	N				16.
26	1	1987	C4	0.79	Y	N				22.
26	1	1987	C5	0.89	Y	N				2.
26	1	1987	C6	0.79	Y	N				22.
26	1	1987	C7	0.8	Y	N				20.
26	1	1987	C8	0.8	Y	N				20.
26	1	1987	E1	0.8	Y	N				34.
26	1	1987	E2	0.82	Y	N				24.
26	1	1987	E3	0.8	Y	N				18.
26	1	1987	E4	0.8	Y	N				20.
27	1	1987	C1	0.84	Y	N				18.
27	1	1987	C2	0.81	Y	N				18.
27	1	1987	C3	0.84	Y	N				12.
27	1	1987	C4	0.8	Y	N				20.
27	1	1987	C5	0.87	Y	N				8.
27	1	1987	C6	0.8	Y	N				20.
27	1	1987	C7	0.8	Y	N				20.
27	1	1987	C8	0.8	Y	N				20.
27	1	1987	E1	0.79	Y	N				32.
27	1	1987	E2	0.8	Y	N				26.
27	1	1987	E3	0.8	Y	N				20.
27	1	1987	E4	0.8	Y	N				20.
28	1	1987	C1	0.84	Y	N				20.
28	1	1987	C2	0.8	Y	N				18.
28	1	1987	C3	0.83	Y	N				12.
28	1	1987	C4	0.81	Y	N				28.
28	1	1987	C5	0.9	N	N				0.
28	1	1987	C6	0.8	Y	N				20.
28	1	1987	C7	0.8	Y	N				18.
28	1	1987	C8	0.8	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
28	1	1987	E1	0.8	Y	N				30.
28	1	1987	E2	0.81	Y	N				26.
28	1	1987	E3	0.8	Y	N				24.
28	1	1987	E4	0.8	Y	N				20.
29	1	1987	C1	0.85	Y	N				14.
29	1	1987	C2	0.81	Y	N				18.
29	1	1987	C3	0.84	Y	N				14.
29	1	1987	C4	0.8	Y	N				28.
29	1	1987	C5	0.9	N	N				0.
29	1	1987	C6	0.81	Y	N				18.
29	1	1987	C7	0.79	Y	N				20.
29	1	1987	C8	0.79	Y	N				24.
29	1	1987	E1	0.8	Y	N				30.
29	1	1987	E2	0.82	Y	N				28.
29	1	1987	E3	0.81	Y	N				18.
29	1	1987	E4	0.8	Y	N				20.
30	1	1987	C1	0.83	Y	N				22.
30	1	1987	C2	0.8	Y	N				16.
30	1	1987	C3	0.82	Y	N				18.
30	1	1987	C4	0.81	Y	N				28.
30	1	1987	C5	0.9	N	N				0.
30	1	1987	C6	0.8	Y	N				18.
30	1	1987	C7	0.8	Y	N				18.
30	1	1987	C8	0.79	Y	N				22.
30	1	1987	E1	0.82	Y	N				26.
30	1	1987	E2	0.83	Y	N				20.
30	1	1987	E3	0.8	Y	N				20.
30	1	1987	E4	0.8	Y	N				20.
31	1	1987	C1	0.84	Y	N				
31	1	1987	C2	0.81	Y	N				
31	1	1987	C3	0.83	Y	N				
31	1	1987	C4	0.82	Y	N				
31	1	1987	C5	0.9	N	N				0.
31	1	1987	C6	0.8	Y	N				
31	1	1987	C7	0.8	Y	N				
31	1	1987	C8	0.8	Y	N				
31	1	1987	E1	0.81	Y	N				
31	1	1987	E2	0.82	Y	N				
31	1	1987	E3	0.8	Y	N				
31	1	1987	E4	0.8	Y	N				
1	2	1987	C1	0.81	Y	N				24.
1	2	1987	C2	0.8	Y	N				20.
1	2	1987	C3	0.82	Y	N				16.
1	2	1987	C4	0.81	Y	N				22.
1	2	1987	C5	0.9	N	N				0.
1	2	1987	C6	0.79	Y	N				26.
1	2	1987	C7	0.8	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
1	2	1987	C8	0.8	Y	N				20.
1	2	1987	E1	0.8	Y	N				22.
1	2	1987	E2	0.81	Y	N				18.
1	2	1987	E3	0.8	Y	N				22.
1	2	1987	E4	0.8	Y	N				20.
2	2	1987	C1	0.8	Y	N				24.
2	2	1987	C2	0.79	Y	N				22.
2	2	1987	C3	0.81	Y	N				18.
2	2	1987	C4	0.8	Y	N				28.
2	2	1987	C5	0.88	Y	N				4.
2	2	1987	C6	0.8	Y	N				20.
2	2	1987	C7	0.79	Y	N				24.
2	2	1987	C8	0.8	Y	N				20.
2	2	1987	E1	0.8	Y	N				30.
2	2	1987	E2	0.8	Y	N				26.
2	2	1987	E3	0.79	Y	N				22.
2	2	1987	E4	0.8	Y	N				20.
3	2	1987	C1	0.81	Y	N				26.
3	2	1987	C2	0.8	Y	N				20.
3	2	1987	C3	0.8	Y	N				18.
3	2	1987	C4	0.82	Y	N				30.
3	2	1987	C5	0.89	Y	N				2.
3	2	1987	C6	0.79	Y	N				26.
3	2	1987	C7	0.8	Y	N				22.
3	2	1987	C8	0.81	Y	N				24.
3	2	1987	E1	0.82	Y	N				24.
3	2	1987	E2	0.81	Y	N				22.
3	2	1987	E3	0.8	Y	N				22.
3	2	1987	E4	0.8	Y	N				20.
4	2	1987	C1	0.82	Y	N				16.
4	2	1987	C2	0.8	Y	N				28.
4	2	1987	C3	0.81	Y	N				20.
4	2	1987	C4	0.83	Y	N				14.
4	2	1987	C5	0.89	Y	N				16.
4	2	1987	C6	0.79	Y	N				26.
4	2	1987	C7	0.8	Y	N				20.
4	2	1987	C8	0.8	Y	N				28.
4	2	1987	E1	0.81	Y	N				32.
4	2	1987	E2	0.8	Y	N				30.
4	2	1987	E3	0.8	Y	N				24.
4	2	1987	E4	0.8	Y	N				20.
5	2	1987	C1	0.8	Y	N				20.
5	2	1987	C2	0.79	Y	N				28.
5	2	1987	C3	0.89	Y	N				4.
5	2	1987	C4	0.8	Y	N				16.
5	2	1987	C5	0.9	N	N				0.
5	2	1987	C6	0.89	Y	N				2.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
5	2	1987	C7	0.83	Y	N				16.
5	2	1987	C8	0.81	Y	N				24.
5	2	1987	E1	0.8	Y	N				34.
5	2	1987	E2	0.81	Y	N				28.
5	2	1987	E3	0.82	Y	N				28.
5	2	1987	E4	0.84	Y	N				26.
6	2	1987	C1	0.8	Y	N				20.
6	2	1987	C2	0.82	Y	N				18.
6	2	1987	C3	0.9	N	N				0.
6	2	1987	C4	0.88	Y	N				8.
6	2	1987	C5	0.89	Y	N				12.
6	2	1987	C6	0.87	Y	N				14.
6	2	1987	C7	0.84	Y	N				12.
6	2	1987	C8	0.79	Y	N				28.
6	2	1987	E1	0.8	Y	N				22.
6	2	1987	E2	0.82	Y	N				24.
6	2	1987	E3	0.85	Y	N				10.
6	2	1987	E4	0.89	Y	N				14.
7	2	1987	C1	0.9	N	N				0.
7	2	1987	C2	0.89	Y	N				4.
7	2	1987	C3	0.92	N	N				0.
7	2	1987	C4	0.87	Y	N				6.
7	2	1987	C5	0.9	N	N				0.
7	2	1987	C6	0.92	N	N				0.
7	2	1987	C7	0.86	Y	N				18.
7	2	1987	C8	0.89	Y	N				16.
7	2	1987	E1	0.85	Y	N				16.
7	2	1987	E2	0.87	Y	N				6.
7	2	1987	E3	0.8	Y	N				24.
7	2	1987	E4	0.86	Y	N				18.
8	2	1987	C1	0.87	Y	N				14.
8	2	1987	C2	0.88	Y	N				4.
8	2	1987	C3	0.89	Y	N				2.
8	2	1987	C4	0.86	Y	N				20.
8	2	1987	C5	0.9	N	N				0.
8	2	1987	C6	0.89	Y	N				2.
8	2	1987	C7	0.85	Y	N				12.
8	2	1987	C8	0.87	Y	N				6.
8	2	1987	E1	0.84	Y	N				20.
8	2	1987	E2	0.86	Y	N				16.
8	2	1987	E3	0.8	Y	N				26.
8	2	1987	E4	0.83	Y	N				14.
9	2	1987	C1	0.86	Y	N				12.
9	2	1987	C2	0.84	Y	N				12.
9	2	1987	C3	0.87	Y	N				6.
9	2	1987	C4	0.85	Y	N				8.
9	2	1987	C5	0.9	N	N				0.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
9	2	1987	C6	0.88	Y	N				4.
9	2	1987	C7	0.84	Y	N				12.
9	2	1987	C8	0.85	Y	N				10.
9	2	1987	E1	0.83	Y	N				22.
9	2	1987	E2	0.85	Y	N				20.
9	2	1987	E3	0.8	Y	N				24.
9	2	1987	E4	0.82	Y	N				16.
10	2	1987	C1	0.85	Y	N				18.
10	2	1987	C2	0.82	Y	N				18.
10	2	1987	C3	0.84	Y	N				14.
10	2	1987	C4	0.84	Y	N				24.
10	2	1987	C5	0.9	N	N				0.
10	2	1987	C6	0.87	Y	N				6.
10	2	1987	C7	0.82	Y	N				16.
10	2	1987	C8	0.83	Y	N				16.
10	2	1987	E1	0.82	Y	N				24.
10	2	1987	E2	0.84	Y	N				22.
10	2	1987	E3	0.8	Y	N				20.
10	2	1987	E4	0.81	Y	N				18.
11	2	1987	C1	0.86	Y	N				12.
11	2	1987	C2	0.81	Y	N				18.
11	2	1987	C3	0.83	Y	N				14.
11	2	1987	C4	0.83	Y	N				24.
11	2	1987	C5	0.9	N	N				0.
11	2	1987	C6	0.84	Y	N				12.
11	2	1987	C7	0.8	Y	N				20.
11	2	1987	C8	0.81	Y	N				18.
11	2	1987	E1	0.83	Y	N				20.
11	2	1987	E2	0.85	Y	N				14.
11	2	1987	E3	0.8	Y	N				20.
11	2	1987	E4	0.8	Y	N				20.
12	2	1987	C1	0.84	Y	N				12.
12	2	1987	C2	0.8	Y	N				20.
12	2	1987	C3	0.8	Y	N				20.
12	2	1987	C4	0.81	Y	N				22.
12	2	1987	C5	0.89	Y	N				2.
12	2	1987	C6	0.82	Y	N				16.
12	2	1987	C7	0.8	Y	N				20.
12	2	1987	C8	0.8	Y	N				24.
12	2	1987	E1	0.82	Y	N				26.
12	2	1987	E2	0.84	Y	N				18.
12	2	1987	E3	0.8	Y	N				20.
12	2	1987	E4	0.8	Y	N				20.
13	2	1987	C1	0.81	Y	N				
13	2	1987	C2	0.79	Y	N				
13	2	1987	C3	0.8	Y	N				
13	2	1987	C4	0.8	Y	N				

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
13	2	1987	C5	0.89	Y	N				
13	2	1987	C6	0.8	Y	N				
13	2	1987	C7	0.78	Y	N				
13	2	1987	C8	0.8	Y	N				
13	2	1987	E1	0.8	Y	N				
13	2	1987	E2	0.83	Y	N				
13	2	1987	E3	0.8	Y	N				
13	2	1987	E4	0.79	Y	N				
14	2	1987	C1	0.83	Y	N				18.
14	2	1987	C2	0.8	Y	N				20.
14	2	1987	C3	0.79	Y	N				22.
14	2	1987	C4	0.84	Y	N				12.
14	2	1987	C5	0.89	Y	N				2.
14	2	1987	C6	0.8	Y	N				18.
14	2	1987	C7	0.78	Y	N				24.
14	2	1987	C8	0.79	Y	N				22.
14	2	1987	E1	0.83	Y	N				24.
14	2	1987	E2	0.82	Y	N				22.
14	2	1987	E3	0.8	Y	N				20.
14	2	1987	E4	0.8	Y	N				20.
15	2	1987	C1	0.82	Y	N				16.
15	2	1987	C2	0.79	Y	N				22.
15	2	1987	C3	0.79	Y	N				22.
15	2	1987	C4	0.83	Y	N				16.
15	2	1987	C5	0.89	Y	N				2.
15	2	1987	C6	0.8	Y	N				20.
15	2	1987	C7	0.79	Y	N				22.
15	2	1987	C8	0.8	Y	N				20.
15	2	1987	E1	0.82	Y	N				20.
15	2	1987	E2	0.81	Y	N				22.
15	2	1987	E3	0.79	Y	N				22.
15	2	1987	E4	0.8	Y	N				20.
16	2	1987	C1	0.85	Y	N				22.
16	2	1987	C2	0.83	Y	N				22.
16	2	1987	C3	0.82	Y	N				20.
16	2	1987	C4	0.86	Y	N				14.
16	2	1987	C5	0.88	Y	N				4.
16	2	1987	C6	0.8	Y	N				20.
16	2	1987	C7	0.8	Y	N				20.
16	2	1987	C8	0.8	Y	N				20.
16	2	1987	E1	0.84	Y	N				22.
16	2	1987	E2	0.82	Y	N				22.
16	2	1987	E3	0.81	Y	N				18.
16	2	1987	E4	0.8	Y	N				20.
17	2	1987	C1	0.84	Y	N				20.
17	2	1987	C2	0.82	Y	N				20.
17	2	1987	C3	0.81	Y	N				18.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
17	2	1987	C4	0.85	Y	N				16.
17	2	1987	C5	0.89	Y	N				2.
17	2	1987	C6	0.8	Y	N				20.
17	2	1987	C7	0.79	Y	N				22.
17	2	1987	C8	0.79	Y	N				22.
17	2	1987	E1	0.82	Y	N				26.
17	2	1987	E2	0.81	Y	N				24.
17	2	1987	E3	0.8	Y	N				20.
17	2	1987	E4	0.8	Y	N				20.
18	2	1987	C1	0.83	Y	N				20.
18	2	1987	C2	0.81	Y	N				18.
18	2	1987	C3	0.8	Y	N				20.
18	2	1987	C4	0.84	Y	N				20.
18	2	1987	C5	0.89	Y	N				2.
18	2	1987	C6	0.8	Y	N				20.
18	2	1987	C7	0.8	Y	N				20.
18	2	1987	C8	0.79	Y	N				24.
18	2	1987	E1	0.81	Y	N				26.
18	2	1987	E2	0.8	Y	N				20.
18	2	1987	E3	0.8	Y	N				20.
18	2	1987	E4	0.8	Y	N				20.
19	2	1987	C1	0.82	Y	N				20.
19	2	1987	C2	0.8	Y	N				20.
19	2	1987	C3	0.8	Y	N				20.
19	2	1987	C4	0.83	Y	N				20.
19	2	1987	C5	0.89	Y	N				2.
19	2	1987	C6	0.8	Y	N				20.
19	2	1987	C7	0.79	Y	N				22.
19	2	1987	C8	0.79	Y	N				22.
19	2	1987	E1	0.8	Y	N				26.
19	2	1987	E2	0.8	Y	N				20.
19	2	1987	E3	0.8	Y	N				20.
19	2	1987	E4	0.8	Y	N				20.
20	2	1987	C1	0.81	Y	N				20.
20	2	1987	C2	0.8	Y	N				20.
20	2	1987	C3	0.81	Y	N				18.
20	2	1987	C4	0.82	Y	N				24.
20	2	1987	C5	0.88	Y	N				6.
20	2	1987	C6	0.81	Y	N				22.
20	2	1987	C7	0.79	Y	N				28.
20	2	1987	C8	0.79	Y	N				24.
20	2	1987	E1	0.8	Y	N				22.
20	2	1987	E2	0.81	Y	N				18.
20	2	1987	E3	0.8	Y	N				20.
20	2	1987	E4	0.8	Y	N				20.
21	2	1987	C1	0.82	Y	N				20.
21	2	1987	C2	0.81	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
21	2	1987	C3	0.81	Y	N				18.
21	2	1987	C4	0.83	Y	N				24.
21	2	1987	C5	0.89	Y	N				6.
21	2	1987	C6	0.8	Y	N				20.
21	2	1987	C7	0.8	Y	N				26.
21	2	1987	C8	0.8	Y	N				20.
21	2	1987	E1	0.81	Y	N				26.
21	2	1987	E2	0.82	Y	N				16.
21	2	1987	E3	0.8	Y	N				22.
21	2	1987	E4	0.8	Y	N				20.
22	2	1987	C1	0.84	Y	N				18.
22	2	1987	C2	0.82	Y	N				16.
22	2	1987	C3	0.8	Y	N				20.
22	2	1987	C4	0.82	Y	N				26.
22	2	1987	C5	0.89	Y	N				2.
22	2	1987	C6	0.81	Y	N				22.
22	2	1987	C7	0.8	Y	N				20.
22	2	1987	C8	0.79	Y	N				22.
22	2	1987	E1	0.83	Y	N				22.
22	2	1987	E2	0.8	Y	N				20.
22	2	1987	E3	0.79	Y	N				22.
22	2	1987	E4	0.8	Y	N				20.
23	2	1987	C1	0.83	Y	N				22.
23	2	1987	C2	0.81	Y	N				18.
23	2	1987	C3	0.8	Y	N				20.
23	2	1987	C4	0.83	Y	N				24.
23	2	1987	C5	0.89	Y	N				2.
23	2	1987	C6	0.8	Y	N				18.
23	2	1987	C7	0.79	Y	N				22.
23	2	1987	C8	0.78	Y	N				24.
23	2	1987	E1	0.82	Y	N				26.
23	2	1987	E2	0.8	Y	N				26.
23	2	1987	E3	0.79	Y	N				22.
23	2	1987	E4	0.8	Y	N				20.
24	2	1987	C1	0.84	Y	N				18.
24	2	1987	C2	0.8	Y	N				20.
24	2	1987	C3	0.8	Y	N				20.
24	2	1987	C4	0.84	Y	N				20.
24	2	1987	C5	0.89	Y	N				2.
24	2	1987	C6	0.8	Y	N				24.
24	2	1987	C7	0.79	Y	N				22.
24	2	1987	C8	0.79	Y	N				22.
24	2	1987	E1	0.82	Y	N				22.
24	2	1987	E2	0.8	Y	N				24.
24	2	1987	E3	0.79	Y	N				22.
24	2	1987	E4	0.8	Y	N				20.
25	2	1987	C1	0.84	Y	N				16.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
25	2	1987	C2	0.81	Y	N				18.
25	2	1987	C3	0.8	Y	N				20.
25	2	1987	C4	0.83	Y	N				20.
25	2	1987	C5	0.89	Y	N				2.
25	2	1987	C6	0.8	Y	N				22.
25	2	1987	C7	0.79	Y	N				22.
25	2	1987	C8	0.79	Y	N				22.
25	2	1987	E1	0.81	Y	N				26.
25	2	1987	E2	0.8	Y	N				20.
25	2	1987	E3	0.79	Y	N				22.
25	2	1987	E4	0.8	Y	N				20.
26	2	1987	C1	0.83	Y	N				22.
26	2	1987	C2	0.8	Y	N				24.
26	2	1987	C3	0.8	Y	N				22.
26	2	1987	C4	0.82	Y	N				22.
26	2	1987	C5	0.89	Y	N				4.
26	2	1987	C6	0.8	Y	N				20.
26	2	1987	C7	0.79	Y	N				26.
26	2	1987	C8	0.79	Y	N				22.
26	2	1987	E1	0.83	Y	N				26.
26	2	1987	E2	0.81	Y	N				26.
26	2	1987	E3	0.8	Y	N				24.
26	2	1987	E4	0.8	Y	N				20.
27	2	1987	C1	0.83	Y	N				20.
27	2	1987	C2	0.81	Y	N				22.
27	2	1987	C3	0.8	Y	N				20.
27	2	1987	C4	0.82	Y	N				24.
27	2	1987	C5	0.9	N	N				0.
27	2	1987	C6	0.8	Y	N				24.
27	2	1987	C7	0.8	Y	N				20.
27	2	1987	C8	0.8	Y	N				20.
27	2	1987	E1	0.85	Y	N				18.
27	2	1987	E2	0.83	Y	N				14.
27	2	1987	E3	0.8	Y	N				20.
27	2	1987	E4	0.8	Y	N				20.
28	2	1987	C1	0.84	Y	N				20.
28	2	1987	C2	0.8	Y	N				24.
28	2	1987	C3	0.8	Y	N				20.
28	2	1987	C4	0.82	Y	N				22.
28	2	1987	C5	0.9	N	N				0.
28	2	1987	C6	0.8	Y	N				20.
28	2	1987	C7	0.79	Y	N				22.
28	2	1987	C8	0.79	Y	N				22.
28	2	1987	E1	0.84	Y	N				26.
28	2	1987	E2	0.82	Y	N				26.
28	2	1987	E3	0.8	Y	N				20.
28	2	1987	E4	0.8	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
1	3	1987	C1	0.84	Y	N				16.
1	3	1987	C2	0.81	Y	N				20.
1	3	1987	C3	0.8	Y	N				22.
1	3	1987	C4	0.81	Y	N				24.
1	3	1987	C5	0.9	N	N				0.
1	3	1987	C6	0.8	Y	N				20.
1	3	1987	C7	0.79	Y	N				22.
1	3	1987	C8	0.8	Y	N				20.
1	3	1987	E1	0.85	Y	N				16.
1	3	1987	E2	0.83	Y	N				22.
1	3	1987	E3	0.8	Y	N				20.
1	3	1987	E4	0.8	Y	N				20.
2	3	1987	C1	0.83	Y	N				14.
2	3	1987	C2	0.8	Y	N				18.
2	3	1987	C3	0.8	Y	N				22.
2	3	1987	C4	0.82	Y	N				16.
2	3	1987	C5	0.89	Y	N				2.
2	3	1987	C6	0.8	Y	N				20.
2	3	1987	C7	0.8	Y	N				20.
2	3	1987	C8	0.81	Y	N				18.
2	3	1987	E1	0.84	Y	N				16.
2	3	1987	E2	0.82	Y	N				22.
2	3	1987	E3	0.8	Y	N				20.
2	3	1987	E4	0.8	Y	N				20.
3	3	1987	C1	0.82	Y	N				16.
3	3	1987	C2	0.8	Y	N				20.
3	3	1987	C3	0.8	Y	N				20.
3	3	1987	C4	0.81	Y	N				18.
3	3	1987	C5	0.89	Y	N				2.
3	3	1987	C6	0.8	Y	N				20.
3	3	1987	C7	0.79	Y	N				22.
3	3	1987	C8	0.8	Y	N				20.
3	3	1987	E1	0.83	Y	N				24.
3	3	1987	E2	0.81	Y	N				26.
3	3	1987	E3	0.8	Y	N				26.
3	3	1987	E4	0.8	Y	N				20.
4	3	1987	C1	0.8	Y	N				26.
4	3	1987	C2	0.79	Y	N				26.
4	3	1987	C3	0.79	Y	N				26.
4	3	1987	C4	0.8	Y	N				28.
4	3	1987	C5	0.88	Y	N				8.
4	3	1987	C6	0.8	Y	N				20.
4	3	1987	C7	0.79	Y	N				24.
4	3	1987	C8	0.8	Y	N				24.
4	3	1987	E1	0.81	Y	N				28.
4	3	1987	E2	0.8	Y	N				28.
4	3	1987	E3	0.8	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
4	3	1987	E4	0.8	Y	N				20.
5	3	1987	C1	0.83	Y	N				18.
5	3	1987	C2	0.8	Y	N				18.
5	3	1987	C3	0.81	Y	N				20.
5	3	1987	C4	0.82	Y	N				24.
5	3	1987	C5	0.9	N	N				0.
5	3	1987	C6	0.8	Y	N				24.
5	3	1987	C7	0.8	Y	N				20.
5	3	1987	C8	0.81	Y	N				18.
5	3	1987	E1	0.83	Y	N				20.
5	3	1987	E2	0.84	Y	N				16.
5	3	1987	E3	0.8	Y	N				20.
5	3	1987	E4	0.8	Y	N				20.
6	3	1987	C1	0.82	Y	N				22.
6	3	1987	C2	0.8	Y	N				18.
6	3	1987	C3	0.8	Y	N				24.
6	3	1987	C4	0.82	Y	N				26.
6	3	1987	C5	0.9	N	N				0.
6	3	1987	C6	0.81	Y	N				22.
6	3	1987	C7	0.8	Y	N				24.
6	3	1987	C8	0.8	Y	N				22.
6	3	1987	E1	0.82	Y	N				26.
6	3	1987	E2	0.83	Y	N				20.
6	3	1987	E3	0.8	Y	N				20.
6	3	1987	E4	0.8	Y	N				20.
7	3	1987	C1	0.83	Y	N				20.
7	3	1987	C2	0.8	Y	N				24.
7	3	1987	C3	0.8	Y	N				22.
7	3	1987	C4	0.83	Y	N				22.
7	3	1987	C5	0.9	N	N				0.
7	3	1987	C6	0.81	Y	N				20.
7	3	1987	C7	0.81	Y	N				20.
7	3	1987	C8	0.8	Y	N				20.
7	3	1987	E1	0.83	Y	N				18.
7	3	1987	E2	0.84	Y	N				16.
7	3	1987	E3	0.8	Y	N				20.
7	3	1987	E4	0.8	Y	N				20.
8	3	1987	C1	0.83	Y	N				20.
8	3	1987	C2	0.81	Y	N				18.
8	3	1987	C3	0.8	Y	N				20.
8	3	1987	C4	0.82	Y	N				24.
8	3	1987	C5	0.9	N	N				0.
8	3	1987	C6	0.8	Y	N				22.
8	3	1987	C7	0.8	Y	N				20.
8	3	1987	C8	0.8	Y	N				20.
8	3	1987	E1	0.83	Y	N				24.
8	3	1987	E2	0.83	Y	N				20.

TABLE 2. Daily Pond Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	DEPTH	INFLOW	OVERFLOW	DEAD#	SPECIES	SALINITY	H2O-FLOW
8	3	1987	E3	0.8	Y	N				20.
8	3	1987	E4	0.8	Y	N				20.
9	3	1987	C1	0.82	Y	N				20.
9	3	1987	C2	0.8	Y	N				20.
9	3	1987	C3	0.8	Y	N				20.
9	3	1987	C4	0.83	Y	N				20.
9	3	1987	C5	0.9	N	N				0.
9	3	1987	C6	0.8	Y	N				20.
9	3	1987	C7	0.8	Y	N				20.
9	3	1987	C8	0.8	Y	N				20.
9	3	1987	E1	0.84	Y	N				20.
9	3	1987	E2	0.83	Y	N				18.
9	3	1987	E3	0.8	Y	N				20.
9	3	1987	E4	0.8	Y	N				20.
10	3	1987	C1	0.81	N	N				0.
10	3	1987	C2	0.8	Y	N				0.
10	3	1987	C3	0.79	Y	N				0.
10	3	1987	C4	0.82	Y	N				0.
10	3	1987	C5	0.9	N	N				0.
10	3	1987	C6	0.8	N	N				0.
10	3	1987	C7	0.8	N	N				0.
10	3	1987	C8	0.79	N	N				0.
10	3	1987	E1	0.83	N	N				0.
10	3	1987	E2	0.82	N	N				0.
10	3	1987	E3	0.8	N	N				0.
10	3	1987	E4	0.8	N	N				0.

TABLE 3. Miscellaneous Observations Including Fish Health. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	OBSERVATIONS
22	7	1986		CHANGED TO POTENTIOMETRIC MEASUREMENTS OF ALKALINITY
			C1	COLOROMETRIC-34, POTENTIOMETRIC-32
			C2	COLOROMETRIC-31, POTENTIOMETRIC-31
			C3	COLOROMETRIC-29, POTENTIOMETRIC-28
			C4	COLOROMETRIC-39, POTENTIOMETRIC-40
			C5	COLOROMETRIC-29, POTENTIOMETRIC-29
			C6	COLOROMETRIC-21, POTENTIOMETRIC-22
			C7	COLOROMETRIC-27, POTENTIOMETRIC-27
			C8	COLOROMETRIC-21, POTENTIOMETRIC-21
			CL. B	COLOROMETRIC-57, POTENTIOMETRIC-55
			E1	COLOROMETRIC-22, POTENTIOMETRIC-26
			E2	COLOROMETRIC-27, POTENTIOMETRIC-29
			E3	COLOROMETRIC-29, POTENTIOMETRIC-29
			E4	COLOROMETRIC-24, POTENTIOMETRIC-24
			INLET	COLOROMETRIC-22, POTENTIOMETRIC-24
				CHANGED TO HYDR. REDUCT. FOR NITRATE
				CHANGED TO PHENATE METHOD FOR AMMONIA

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MO.	YEAR	EXTRA DATA?	POND#	DO TIME	DO @ TOP	DO @ MID	DO @ BOTTOM	WATER TEMP @ TOP	WATER TEMP @ MID	WATER TEMP @ BOTTOM	WATER TEMP @ TOP-MAX	WATER TEMP @ BOT-MAX	WATER TEMP @ TOP-MIN	WATER TEMP @ BOT-MIN	ALKA.	HARD.	pH	KJELDAHL N	NH3-N	NO2-N	NO3-N	TOTAL NO2 & NO3-N	TOTAL P	ORTHO PO4-P	SECHII DISK A	SECHII DISK B	CHLOR-OPHYLL A
15	4	1986	N	C1	900	7.3	6.7	6.4	28.	27.8	27.7					32.	26.	7.2	0.85				0.48	0.18	0.03	34.	36.	19.
15	4	1986	N	C2	900	5.9	5.7	5.6	27.2	26.5	26.5	33.	30.	27.	26.	28.	28.	6.7	0.81				0.91	0.22	0.08	30.	29.	11.
15	4	1986	N	C3	900	7.6	5.1	4.6	27.7	27.3	27.2					31.	34.	7.6	1.18				0.29	0.38	0.16	22.	24.	19.
15	4	1986	N	C4	915	7.4	5.9	5.2	29.	28.7	28.5					38.	38.	8.1	0.96				0.09	0.41	0.26	36.	36.	27.
15	4	1986	N	C5	915	5.6	5.3	4.8	29.1	28.8	28.6					31.	34.	7.1	0.46				0.	0.21	0.04	52.	51.	29.
15	4	1986	N	C6	915	8.4	7.3	6.9	28.8	28.	27.7					27.	30.	7.2	0.65				0.44	0.16	0.05	39.	40.	11.
15	4	1986	N	C7	930	8.2	5.9	5.7	28.2	27.9	27.5					28.	30.	6.9	0.59				0.39	0.17	0.04	36.	37.	27.
15	4	1986	N	C8	930	8.9	7.4	7.	28.8	28.1	27.9	31.5	29.	27.	26.	32.	30.	7.4	1.07				0.63	0.16	0.04	38.	37.	24.
15	4	1986	N	E1	930	7.5	6.	5.4	28.8	28.3	27.8					27.	26.	7.5	0.85				0.88	0.18	0.02	26.	27.	3.
15	4	1986	N	E2	945	7.5	6.1	5.8	28.4	27.8	27.6					29.	28.	7.6	0.68				0.99	0.18	0.04	32.	32.	48.
15	4	1986	N	E3	945	9.4	7.2	6.8	29.	28.3	28.	33.	31.	26.	27.	30.	30.	8.1	1.22				0.53	0.18	0.02	35.	34.	21.
15	4	1986	N	E4	945	10.5	9.5	8.3	28.8	28.7	28.3					33.	30.	8.8	0.96				0.25	0.14	0.02	44.	44.	35.
15	4	1986	N	INLET	945		4.7			26.7						24.	24.	7.2	0.57				0.79	0.16	0.05			
22	4	1986	N	C1	900	8.2	7.8	6.9	28.5	28.2	28.2					30.	27.	7.6	0.77	0.16			0.2	0.22	0.02	32.	32.	16.
22	4	1986	N	C2	900	5.8	5.4	5.1	27.7	27.4	26.9	34.	32.	26.	25.5	25.	22.	7.2	0.62	0.91			0.56	0.16	0.08	22.	23.	3.
22	4	1986	N	C3	900	6.2	5.7	5.4	27.8	27.5	27.4					36.	26.	7.5	0.81	0.54			0.28	0.26	0.12	20.	21.	21.
22	4	1986	N	C4	915	6.8	5.5	5.	29.1	28.8	28.6					32.	32.	8.1	1.35	0.18			0.01	0.48	0.27	24.	21.	8.
22	4	1986	N	C5	915	5.4	4.9	4.4	29.7	29.6	29.4					30.	28.	7.4	0.64	0.			0.03	0.14	0.09	42.	45.	3.
22	4	1986	N	C6	915	10.9	9.6	8.8	29.4	29.1	28.8					27.	23.	8.5	0.75	0.02			0.08	0.1	0.03	40.	41.	35.
22	4	1986	N	C7	930	8.8	8.3	7.8	29.3	29.1	28.9					29.	25.	8.6	0.44	0.			0.04	0.14	0.06	55.	50.	32.
22	4	1986	N	C8	930	9.1	8.4	7.9	29.4	29.	28.8	33.	31.	27.5	27.5	27.	24.	8.6	0.69	0.01			0.04	0.12	0.03	26.	28.	16.
22	4	1986	N	E1	930	6.2	5.3	5.2	28.1	27.1	27.					27.	22.	7.4	0.64	0.4			0.38	0.13	0.06	20.	20.	13.
22	4	1986	N	E2	945	6.7	5.8	5.4	28.2	27.8	27.4					26.	24.	7.5	0.68	0.23			0.39	0.18	0.05	20.	21.	5.
22	4	1986	N	E3	945	9.4	7.4	6.9	29.4	29.	28.6	33.	32.	28.5	26.5	28.	25.	8.	0.64	0.04			0.18	0.13	0.05	30.	31.	3.
22	4	1986	N	E4	945	9.8	8.7	7.5	29.2	29.1	28.8					31.	32.	8.7	0.69	0.04			0.	0.11	0.02	32.	32.	5.
22	4	1986	N	INLET	945		5.			26.5						24.	22.	7.1	0.8	0.21			0.11	0.14	0.05			
29	4	1986	N	C1	900	7.4	6.4	5.3	29.5	29.2	29.1					33.	30.	7.8	1.32	0.14			0.12	0.34	0.08	37.	35.	29.
29	4	1986	N	C2	900	9.2	8.6	7.9	29.6	29.2	29.1	34.	32.	28.	27.	31.	29.	8.6	0.92	0.03			0.04	0.22	0.1	47.	45.	29.
29	4	1986	N	C3	900	6.9	5.9	4.7	29.6	29.3	28.4					33.	31.	8.4	0.7	0.			0.	0.38	0.15	39.	39.	3.
29	4	1986	N	C4	915	7.6	5.1	3.4	29.2	28.9	28.5					32.	28.	8.4	1.31	0.01			0.01	0.72	0.44	39.	35.	21.
29	4	1986	N	C5	915	5.6	4.8	4.	30.4	30.1	29.8					30.	28.	7.6	1.21	0.			0.	0.17	0.14	50.	50.	13.
29	4	1986	N	C6	915	9.3	8.5	6.8	29.6	29.1	28.8					25.	25.	8.5	0.82	0.			0.04	0.14	0.05	32.	31.	27.
29	4	1986	N	C7	930	9.2	8.6	7.6	29.8	29.4	29.2					28.	32.	8.8	1.21	0.			0.01	0.33	0.18	40.	44.	24.
29	4	1986	N	C8	930	8.2	7.8	6.8	29.7	29.1	28.9	33.	31.5	29.	27.5	28.	26.	8.4	0.98	0.04			0.09	0.1	0.	40.	45.	24.
29	4	1986	N	E1	930	6.4	5.	4.9	29.5	28.9	28.4					27.	28.	7.4	1.07	0.09			0.25	0.17	0.03	48.	46.	8.
29	4	1986	N	E2	945	9.4	8.8	8.6	29.4	29.2	29.1					32.	30.	8.8	1.04	0.			0.16	0.3	0.13	43.	45.	19.
29	4	1986	N	E3	945	9.	7.1	6.	29.7	29.1	28.7	35.	32.5	27.5	27.5	29.	28.	8.5	0.99	0.03			0.12	0.53	0.26	35.	37.	19.
29	4	1986	N	E4	945	9.2	7.9	6.6	29.7	29.4	29.					34.	26.	8.3	0.53	0.03			0.06	0.28	0.02	30.	30.	11.
29	4	1986	N	INLET	945		3.8			27.3						23.	18.	7.	1.05	0.22			0.26	0.22	0.06			
6	5	1986	N	C1	900	6.2	4.6	4.1	28.8	28.8	28.7					39.	42.	7.7	0.91	0.07			0.11	0.29	0.16	25.	25.	69.
6	5	1986	N	C2	900	5.9	4.6	4.6	29.4	29.3	29.1	35.	34.	29.	28.	36.	40.	8.6	1.08	0.04			0.01	0.46	0.35	35.	33.	67.
6	5	1986	N	C3	900	6.7	5.3	4.2	29.8	29.7	29.3					41.	42.	8.7	0.97	0.01			0.01	0.42	0.28	34.	35.	51.
6	5	1986	N	C4	915	6.6	4.2	2.8	29.9	29.7	29.5					43.	36.	8.7	1.84	0.			0.02	1.01	0.74	30.	30.	29.
6	5	1986	N	C5	915	5.7	4.9	3.5	30.3	30.	29.9					33.	32.	7.5	0.99	0.02			0.15	0.39	0.23	38.	40.	13.

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
6	5	1986	N	C6	915	8.7	7.	6.4	29.6	29.1	28.9					26.	22.	8.2	0.52	0.03			0.14	0.19	0.09	35.	35.	19.
6	5	1986	N	C7	930	8.6	7.6	6.3	30.1	29.8	28.8					26.	24.	8.3	0.95	0.04			0.07	0.4	0.25	45.	42.	24.
6	5	1986	N	C8	930	7.7	7.4	7.3	30.2	30.	29.9	34.	33.	27.	28.	28.	28.	8.4	0.9	0.03			0.12	0.31	0.02	53.	51.	19.
6	5	1986	N	E1	930	5.8	5.	4.3	29.4	29.4	29.2					30.	26.	7.6	0.66	0.06			0.18	0.14	0.02	46.	45.	11.
6	5	1986	N	E2	945	6.2	5.	4.1	29.9	29.7	29.4					39.	40.	8.1	1.18	0.			0.03	0.88	0.76	36.	38.	43.
6	5	1986	N	E3	945	8.1	6.4	5.3	29.6	29.1	29.1	35.	34.	26.	26.5	24.	40.	8.	1.38	0.			0.04	0.86	0.72	35.	33.	40.
6	5	1986	N	E4	945	9.8	8.6	8.	29.4	29.1	29.					33.	30.	8.8	0.61	0.			0.04	0.13	0.02	37.	38.	32.
6	5	1986	N	INLET	945		3.			26.1						24.		7.	1.01	0.26			0.32	0.15	0.06			
6	5	1986	Y	CL.BD	1000														2.52				0.01	0.3	0.19			
13	5	1986	N	C1	900	5.3	4.	3.2	28.2	27.8	27.7					34.	28.	7.9	0.91	0.06			0.06	0.3	0.09	27.	25.	59.
13	5	1986	N	C2	900	6.2	4.6	4.	28.4	28.	27.8	35.	29.	28.	27.	30.	25.	8.3	1.17	0.01			0.01	0.34	0.14	30.	32.	56.
13	5	1986	N	C3	900	4.9	4.	2.5	28.8	28.4	28.2					39.	44.	8.	1.53	0.			0.01	0.56	0.26	35.	36.	35.
13	5	1986	N	C4	915	5.9	4.4	2.5	29.5	28.9	28.7					36.	20.	8.6	1.88	0.			0.	0.7	0.38	32.	35.	61.
13	5	1986	N	C5	915	4.1	3.2	2.3	29.7	29.3	29.2					29.	36.	7.4	0.92	0.			0.01	0.31	0.16	40.	43.	21.
13	5	1986	N	C6	915	6.2	5.	4.7	29.3	28.6	28.5					23.	24.	8.	0.41	0.06			0.07	0.18	0.02	40.	38.	29.
13	5	1986	N	C7	930	6.6	4.7	3.9	29.1	28.6	28.4					22.	28.	8.1	0.77	0.			0.03	0.42	0.12	34.	32.	24.
13	5	1986	N	C8	930	5.9	5.8	5.5	29.4	29.	28.8	35.	33.	27.	27.	24.	32.	8.3	0.46	0.07			0.02	0.18	0.03	50.	50.	29.
13	5	1986	N	E1	930	8.3	6.3	5.2	29.7	29.	28.5					24.	26.	7.9	0.58	0.04			0.11	0.18	0.	38.	35.	8.
13	5	1986	N	E2	945	8.1	6.6	4.8	29.8	29.2	28.9					29.	34.	8.5	1.34	0.02			0.04	0.42	0.21	35.	35.	29.
13	5	1986	N	E3	945	7.7	4.8	4.	29.4	28.7	28.5	35.	32.	26.	28.	28.	26.	8.3	1.73	0.02			0.05	0.39	0.19	30.	30.	64.
13	5	1986	N	E4	945	7.8	5.7	4.2	29.3	28.7	28.5					28.	28.	8.8	0.77	0.			0.	0.39	0.14	30.	32.	67.
13	5	1986	N	INLET	945		4.			27.2						24.	22.	6.9	1.39	0.25			0.19	0.37	0.06			
13	5	1986	Y	CL.BD	1000	2.	1.5	1.	29.5	29.2	28.9								1.72				0.08	0.35	0.17			
20	5	1986	N	C1	900	5.6	4.8	4.4	28.4	28.3	28.2					39.	24.	8.4	1.64	0.01			0.03	0.37		28.	28.	51.
20	5	1986	N	C2	900	6.5	5.6	4.8	28.6	28.5	28.4	35.5	31.5	27.5	27.5	33.	26.	8.8	1.36	0.			0.01	0.59	0.28	32.	35.	32.
20	5	1986	N	C3	900	5.1	4.4	4.1	28.5	28.2	28.2					38.	28.	8.2	1.39	0.06			0.05	0.31	0.17	24.	23.	56.
20	5	1986	N	C4	915	6.1	3.6	2.6	28.5	28.3	28.2					40.	24.	8.6	2.8	0.			0.01	1.11	0.94	25.	25.	72.
20	5	1986	N	C5	915	3.1	2.5	2.1	29.3	29.2	29.1					34.	31.	7.	1.02	0.			0.	0.28	0.19	47.	46.	37.
20	5	1986	N	C6	915	5.9	5.6	5.4	29.	28.6	28.2					25.	20.	7.9	1.	0.13			0.07	0.24	0.09	42.	45.	24.
20	5	1986	N	C7	930	8.1	7.	6.	28.7	28.5	28.					24.	18.	8.7	1.49	0.			0.02	0.44	0.2	35.	35.	29.
20	5	1986	N	C8	930	7.5	6.8	6.6	28.7	28.4	28.2		31.		27.	25.	25.	8.1	0.83	0.06			0.09	0.14	0.04	45.	43.	24.
20	5	1986	N	E1	930	6.1	5.8	5.4	28.8	28.3	28.3					27.	26.	7.8	0.86	0.11			0.11	0.15	0.02	38.	40.	19.
20	5	1986	N	E2	945	8.2	7.	6.4	28.7	28.4	28.2	36.	31.	27.	27.	30.	25.	8.8	1.65	0.			0.	0.79	0.37	30.	32.	40.
20	5	1986	N	E3	945	8.	5.9	5.6	28.4	28.	27.8					31.	31.	8.6	2.	0.			0.03	0.59	0.28	30.	30.	69.
20	5	1986	N	E4	945	9.9	7.8	6.3	28.2	27.8	27.3					30.	26.	9.1	1.52	0.			0.02	0.38	0.11	29.	30.	53.
20	5	1986	N	INLET	945		4.4			26.6						23.	23.	6.8	0.67	0.19			0.15	0.48	0.04			
20	5	1986	Y	CL.BD	1000											66.	56.		0.93	0.26			0.04	0.22	0.09			
27	5	1986	N	C1	900	6.7	5.4	4.7	28.4	27.7	27.6					40.	27.	8.2	1.15	0.06			0.09	0.24	0.08	30.	32.	16.
27	5	1986	N	C2	900	6.1	4.1	3.8	28.5	27.6	27.4	33.	31.	28.	27.	36.	38.	8.6	1.55	0.			0.05	0.41	0.21	25.	27.	27.
27	5	1986	N	C3	900	5.6	3.2	2.9	27.9	27.4	27.1					41.	39.	7.5	1.4	0.12			0.11	0.31	0.11	24.	23.	24.
27	5	1986	N	C4	915	8.5	3.3	2.7	29.	28.4	27.9					42.	37.	9.	2.25	0.			0.01	1.16	0.87	25.	25.	112.
27	5	1986	N	C5	915	5.3	3.9	3.	29.1	28.9	28.7					32.	27.	7.3	0.84	0.			0.01	0.4	0.21	45.	42.	35.
27	5	1986	N	C6	915	8.1	6.5	6.	29.5	28.5	28.3					26.	27.	8.6	0.88	0.06			0.06	0.2	0.07	38.	35.	21.
27	5	1986	N	C7	930	9.1	6.4	5.2	29.3	28.5	28.2					27.	27.	9.1	1.03	0.			0.01	0.55	0.26	35.	35.	45.
27	5	1986	N	C8	930	5.1	4.4	4.2	29.6	28.9	28.6	33.	31.5	27.	26.	24.	19.	7.3	0.53	0.13			0.1	0.12	0.05	51.	50.	29.

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
27	5	1986	N	E1	930	11.1	7.6	6.7	28.9	28.3	27.7					24.	23.	8.8	1.26	0.			0.04	0.31	0.04	30.	30.	56.
27	5	1986	N	E2	945	5.8	3.9	3.5	29.4	28.8	28.6					40.	38.	7.7	1.06	0.			0.01	0.59	0.44	35.	39.	27.
27	5	1986	N	E3	945	9.7	5.6	4.5	29.	27.9	27.6	33.5	30.5	26.	27.	30.	16.	8.8	0.91	0.			0.05	0.54	0.28	25.	25.	61.
27	5	1986	N	E4	945	7.4	4.6	4.1	29.	28.2	27.9					33.	29.	8.4	1.06	0.			0.08	0.23	0.06	37.	37.	48.
27	5	1986	N	INLET	945		3.			27.5						24.	24.	6.6	0.77	0.23			0.18	0.33	0.08			
27	5	1986	Y	CL.BD	1000														0.34	0.				0.22	0.05			
3	6	1986	N	C1	900	5.4	4.	3.5	28.1	28.	27.8					41.	42.	7.5	1.5				0.03	0.34	0.11	32.	33.	35.
3	6	1986	N	C2	900	5.1	3.6	3.4	28.2	27.9	27.8	32.	31.	27.	27.	39.	38.	7.6	1.64				0.02	0.67	0.34	28.	28.	27.
3	6	1986	N	C3	900	4.2	2.4	2.7	27.4	27.1	27.					30.	20.	7.6	1.75				0.11	0.32	0.14	19.	20.	27.
3	6	1986	N	C4	915	5.3	3.2	2.7	28.6	28.3	28.1					41.	32.	8.	3.15				0.01	0.96	1.05	24.	24.	83.
3	6	1986	N	C5	915	4.7	3.2	2.5	28.8	28.6	28.4					31.	32.	6.9	1.32				0.01	0.49	0.22	40.	43.	27.
3	6	1986	N	C6	915	6.6	5.7	5.3	28.1	27.7	27.6					24.	22.	7.5	0.87				0.08	0.22	0.07	29.	30.	45.
3	6	1986	N	C7	930	7.	5.9	5.1	28.5	28.2	28.					27.	22.	7.9	0.96				0.02	0.32	0.25	39.	39.	43.
3	6	1986	N	C8	930	6.3	5.7	5.6	28.7	28.4	28.2	29.	28.	27.	26.	24.	26.	7.1	0.66				0.14	0.07	0.03	44.	46.	13.
3	6	1986	N	E1	930	6.3	5.2	5.1	28.3	27.8	27.6					23.	18.	7.4	1.38				0.09	0.11	0.04	29.	30.	59.
3	6	1986	N	E2	945	5.	3.8	3.7	29.	28.5	28.2					39.	42.	7.1	1.31				0.	0.72	0.37	40.	39.	29.
3	6	1986	N	E3	945	5.7	4.	3.6	28.6	27.8	27.6	33.	29.5	26.	26.	33.	36.	7.5	1.68				0.02	0.9	0.39	30.	31.	16.
3	6	1986	N	E4	945	5.9	4.8	4.4	28.7	28.1	28.					34.	32.	7.5	1.16				0.07	0.25	0.04	35.	36.	29.
3	6	1986	N	INLET	945		5.1			25.8						18.	28.	5.8	1.12				0.18	0.48	0.08			
3	6	1986	Y	CL.BD	1000											48.	50.		1.13				0.01	0.33	0.05			
10	6	1986	N	C1																								
10	6	1986	N	C2																								
10	6	1986	N	C3																								
10	6	1986	N	C4																								
10	6	1986	N	C5																								
10	6	1986	N	C6																								
10	6	1986	N	C7																								
10	6	1986	N	C8																								
10	6	1986	N	E1																								
10	6	1986	N	E2																								
10	6	1986	N	E3																								
10	6	1986	N	E4																								
10	6	1986	N	INLET																								
17	6	1986	N	C1	900	4.8	4.2	3.8	27.7	27.6	27.6					39.	40.	7.4	1.32	0.05			0.06	0.24	0.08	29.	29.	11.
17	6	1986	N	C2	900	4.2	4.	3.4	27.7	27.6	27.5	33.	31.	26.5	26.5	34.	32.	7.4	1.27	0.05			0.08	0.38	0.19	31.	32.	21.
17	6	1986	N	C3	900	2.5	2.1	1.8	27.3	27.1	27.					35.	30.	6.7	1.34	0.21			0.12	0.34	0.15	19.	20.	8.
17	6	1986	N	C4	915	5.6	3.4	2.4	28.1	27.7	27.7					38.	42.	8.3	3.68	0.			0.	1.35	1.16	19.	20.	69.
17	6	1986	N	C5	915	5.7	4.5	4.2	28.6	28.2	28.2					30.	36.	6.8	1.33	0.			0.	0.43	0.23	36.	35.	29.
17	6	1986	N	C6	915	6.1	5.8	5.5	27.9	27.3	27.2					22.	20.	7.3	0.77	0.06			0.1	0.19	0.05	34.	35.	21.
17	6	1986	N	C7	930	7.6	6.1	5.2	28.	27.7	27.6					25.	28.	8.6	1.41	0.			0.	0.45	0.16	31.	30.	29.
17	6	1986	N	C8	930	6.1	5.9	5.1	28.3	27.9	27.8	33.5	32.5	26.	25.5	24.	32.	7.3	0.83	0.03			0.21	0.16	0.02	50.	50.	16.
17	6	1986	N	E1	930	6.5	5.1	4.5	28.3	27.9	27.6					22.	24.	7.1	1.39	0.03			0.08	0.24	0.03	32.	31.	21.
17	6	1986	N	E2	945	7.1	5.7	5.1	28.6	28.1	28.					30.	28.	8.1	1.86	0.			0.	0.46	0.22	45.	47.	43.
17	6	1986	N	E3	945	6.7	4.	3.	28.8	28.4	28.					34.	36.	7.2	2.28	0.01			0.05	0.56	0.27	34.	36.	37.
17	6	1986	N	E4	945	7.1	6.4	6.1	28.3	28.	27.8	33.5	31.5	26.	26.	28.	34.	7.7	1.16	0.			0.03	0.25	0.03	35.	36.	16.

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
17	6	1986	N	INLET	945		4.			25.6						24.	38.	5.7	0.93	0.07			0.14	0.21	0.04			
17	6	1986	Y	CL.BD	1000											40.	24.		1.1	0.01			0.03	0.26	0.04			
24	6	1986	N	C1	900	5.6	4.7	4.2	28.3	28.2	28.1					43.	18.	6.8	0.37	0.06			0.05	0.35	0.11	30.	29.	27.
24	6	1986	N	C2	900	7.3	5.6	4.9	28.4	28.1	28.	34.	30.	26.5	27.	34.	26.	7.5	0.95	0.02			0.05	0.5	0.22	28.	28.	21.
24	6	1986	N	C3	900	9.3	8.2	7.6	27.9	27.8	27.6					33.	28.	7.4	1.79	0.02			0.05	0.33	0.06	25.	24.	35.
24	6	1986	N	C4	915	8.5	4.8	3.4	28.1	27.9	27.7					42.	22.	8.2	5.02	0.01			0.	1.15	1.23	18.	18.	83.
24	6	1986	N	C5	915	7.7	6.	5.	28.7	28.5	28.5					30.	24.	7.	1.63	0.			0.01	0.56	0.29	37.	36.	13.
24	6	1986	N	C6	915	10.1	9.6	8.3	28.1	27.8	27.5					22.	18.	7.5	1.25	0.04			0.06	0.19	0.05	30.	31.	11.
24	6	1986	N	C7	930	10.	9.1	8.1	28.2	27.8	27.6					26.	22.	7.8	0.16	0.			0.01	0.48	0.23	25.	27.	16.
24	6	1986	N	C8	930	11.8	10.6	9.5	28.5	28.2	28.	33.5	31.	27.	27.	25.	46.	7.6	0.59	0.02			0.08	0.2	0.02	31.	33.	24.
24	6	1986	N	E1	930	12.9	10.2	9.8	28.2	27.9	27.7					22.	16.	7.8	1.4	0.02			0.12	0.2	0.02	31.	34.	40.
24	6	1986	N	E2	945	10.4	7.4	7.2	28.8	28.4	28.1	33.5	33.	26.	27.	24.	14.	7.8	0.25	0.			0.	0.73	0.35	27.	30.	29.
24	6	1986	N	E3	945	10.1	9.5	4.9	28.5	28.3	28.1					37.	26.	7.	1.9	0.			0.	0.65	0.35	32.	32.	27.
24	6	1986	N	E4	945	10.4	9.2	7.6	28.4	28.1	27.7					30.	20.	7.5	1.25	0.01			0.04	0.22	0.03	31.	30.	5.
24	6	1986	N	INLET	945		4.2			25.4						24.	18.	6.6	0.91	0.17			0.17	0.15	0.04			
24	6	1986	Y	CL.BD	1000		2.7			28.5						57.	62.	6.5	2.49	0.03			0.	0.37	0.03			
1	7	1986	N	C1	900	5.2	3.9	3.5	27.8	27.8	27.7					42.	18.	7.1	1.65	0.01			0.02	0.41	0.14	31.	29.	
1	7	1986	N	C2	900	4.5	3.3	2.9	28.	27.6	27.6	33.	33.	25.	27.	32.	36.	7.2	1.83	0.14			0.06	0.7	0.29	30.	31.	
1	7	1986	N	C3	900	6.2	5.	4.5	27.6	27.4	27.4					31.	24.	7.	1.33	0.01			0.02	0.34	0.08	28.	30.	
1	7	1986	N	C4	915	5.8	4.	2.7	28.1	27.9	27.8					41.	38.	7.2	4.36	0.01			0.	1.21	1.28	21.	21.	
1	7	1986	N	C5	915	5.2	4.6	3.7	28.2	28.1	28.					27.	46.	7.9	1.58	0.			0.02	0.64	0.37	38.	40.	
1	7	1986	N	C6	915	4.8	4.3	4.2	27.7	27.5	27.3					22.	14.	7.9	1.14	0.15			0.14	0.25	0.08	34.	33.	
1	7	1986	N	C7	930	7.2	5.4	4.6	27.8	27.6	27.5					24.	16.	7.2	2.01	0.01			0.02	0.91	0.35	25.	25.	
1	7	1986	N	C8	930	5.	4.6	4.4	27.8	27.5	27.5	34.	32.	27.	26.5	24.	20.	7.1	0.44	0.15			0.17	0.17	0.06	45.	47.	
1	7	1986	N	E1	930	6.5	5.7	5.7	27.6	27.4	27.4					21.	22.	7.	1.36	0.01			0.03	0.19	0.03	34.	35.	
1	7	1986	N	E2	945	5.	3.3	3.5	28.5	27.8	27.8	34.5	33.5	24.	26.	24.	26.	7.2	2.81	0.01			0.02	1.06	0.6	30.	32.	
1	7	1986	N	E3	945	7.	4.3	3.6	28.3	27.9	27.7					30.	33.	7.6	2.68	0.01			0.02	0.74	0.38	30.	29.	
1	7	1986	N	E4	945	6.6	5.3	5.	27.8	27.5	27.3					27.	28.	7.6	1.38	0.03			0.07	0.27	0.05	27.	27.	
1	7	1986	N	INLET	945		4.3			25.5						23.	38.	7.1	1.13	0.17			0.25	0.23	0.04			
1	7	1986	Y	C1.Bd	1000		2.4			27.2						41.	42.	7.	2.36	0.41			0.11	0.38	0.02			
8	7	1986	N	C1	900	6.	4.8	4.1	27.6	27.4	27.3					40.	22.	6.8	1.69	0.			0.01	0.34	0.1	28.	29.	
8	7	1986	N	C2	900	4.8	3.9	3.5	27.3	27.2	27.2	33.	29.	24.	26.5	31.	40.	6.5	1.72	0.06			0.06	0.49	0.25	27.	27.	
8	7	1986	N	C3	900	5.7	4.2	3.9	27.2	27.	26.9					30.	34.	7.5	1.65	0.01			0.04	0.38	0.11	27.	26.	
8	7	1986	N	C4	915	8.2	5.1	4.5	27.5	27.2	27.1					42.	40.	7.1	3.83	0.			0.	1.51	1.24	21.	20.	
8	7	1986	N	C5	915	5.5	3.8	3.5	28.1	27.7	27.7					32.	24.	6.3	1.4	0.			0.	0.65	0.46	39.	38.	
8	7	1986	N	C6	915	7.8	7.2	6.4	27.6	27.4	27.2					24.	22.	6.6	0.82	0.05			0.06	0.23	0.09	37.	38.	
8	7	1986	N	C7	930	9.9	8.1	7.6	27.2	26.8	26.7					27.	20.	7.3	1.76	0.			0.01	0.6	0.31	33.	34.	
8	7	1986	N	C8	930	7.4	7.3	6.8	27.8	27.4	27.3	33.	29.	24.	24.	23.	24.	7.2	1.04	0.11			0.13	0.17	0.04	42.	41.	
8	7	1986	N	E1	930	9.7	7.3	6.7	27.6	27.1	26.9					23.	24.	7.2	1.35	0.03			0.09	0.21	0.03	37.	38.	
8	7	1986	N	E2	945	5.9	4.2	3.7	28.1	27.9	27.7					24.	24.	7.2	2.18	0.08			0.09	0.81	0.49	30.	29.	
8	7	1986	N	E3	945	7.3	5.	4.4	28.	27.6	27.5	33.	30.	24.	25.5	27.	22.	7.	1.93	0.03			0.04	0.71	0.37	32.	35.	
8	7	1986	N	E4	945	8.5	7.1	6.7	27.8	27.3	27.2					26.	30.	7.2	1.08	0.02			0.05	0.22	0.05	27.	28.	
8	7	1986	N	INLET	945		3.			25.3						23.	20.	6.2	0.82	0.23			0.22	0.24	0.05			
8	7	1986	Y	CL.BD	1000		3.3			27.						35.	32.	6.7	2.27	0.28			0.24	0.28	0.03			
15	7	1986	N	C1	900	5.4	5.1	4.6	26.9	26.9	26.9					33.	38.	6.8	1.11	0.01			0.01	0.31	0.1	24.	23.	

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
15	7	1986	N	C2	900	4.5	4.3	4.2	26.8	26.7	26.7	32.5	28.	25.	26.	28.	28.	6.8	1.14	0.06			0.03	0.42	0.23	22.	22.
15	7	1986	N	C3	900	4.2	4.	3.8	26.7	26.7	26.7					28.	32.	6.6	0.98	0.14			0.06	0.28	0.1	25.	24.
15	7	1986	N	C4	915	5.1	3.8	3.7	27.1	27.1	27.1					34.	33.	7.2	2.81	0.01			0.03	1.32	1.16	15.	17.
15	7	1986	N	C5	915	3.6	3.5	3.2	27.4	27.4	27.4					28.	30.	6.7	1.14	0.1			0.01	0.46	0.33	35.	35.
15	7	1986	N	C6	915	5.3	4.6	4.7	27.	27.	26.9					21.	20.	7.2	1.	0.06			0.08	0.2	0.08	32.	34.
15	7	1986	N	C7	930	4.9	4.6	4.3	27.3	27.4	27.4					26.	23.	7.3	1.06	0.06			0.01	0.64	0.42	48.	50.
15	7	1986	N	C8	930	4.2	4.1	3.6	27.	27.	27.	33.	29.5	26.	26.	21.	24.	6.9	0.72	0.11			0.09	0.15	0.07	43.	43.
15	7	1986	N	E1	930	6.1	5.5	5.1	27.2	27.1	27.1					20.	19.	7.2	0.96	0.08			0.09	0.16	0.06	30.	32.
15	7	1986	N	E2	945	6.4	5.	5.	27.6	27.6	27.5					24.	25.	7.2	1.52	0.11			0.03	0.74	0.48	30.	31.
15	7	1986	N	E3	945	5.5	4.6	4.2	27.5	27.4	27.4	33.	31.	25.	26.	24.	22.	7.1	1.61	0.14			0.04	0.66	0.36	28.	30.
15	7	1986	N	E4	945	6.9	6.1	5.7	27.2	27.1	27.					25.	28.	7.3	1.04	0.03			0.04	0.21	0.05	25.	25.
15	7	1986	N	INLET	945		4.8			24.7						23.	34.	6.8	1.07	0.19			0.15	0.19	0.1		
15	7	1986	Y	CL.BD	1000		0.6			26.8						42.	38.	6.6	4.14	0.03			0.02	0.85	0.12		
22	7	1986	N	C1	900	5.5	4.4	4.	28.7	28.7	28.6					32.	38.	6.9		0.02			0.04	0.28	0.1	32.	31.
22	7	1986	N	C2	900	4.6	3.9	3.5	28.8	28.7	28.6	34.	29.	25.5	27.	31.	32.	6.9	0.75	0.03			0.06	0.47	0.21	27.	27.
22	7	1986	N	C3	900	5.	4.3	4.	28.3	28.2	28.					28.	22.	6.5	1.09	0.11			0.2	0.27	0.09	25.	24.
22	7	1986	N	C4	915	7.	4.	2.9	28.8	28.7	28.5					40.	38.	8.1	3.75	0.1			0.13	1.11	1.17	18.	17.
22	7	1986	N	C5	915	4.2	3.8	3.5	29.6	29.5	29.5					29.	25.	6.6	0.96	0.04			0.03	0.54	0.35	41.	43.
22	7	1986	N	C6	915	6.5	5.9	5.3	29.2	28.9	28.7					21.	22.	7.1	0.98	0.04			0.09	0.18	0.08	35.	34.
22	7	1986	N	C7	930	6.1	4.9	4.6	29.2	29.	28.9					27.	25.	7.4	1.05	0.02			0.04	0.47	0.33	43.	45.
22	7	1986	N	C8	930	6.9	6.4	6.2	29.1	29.1	28.9	33.5	31.	27.	26.5	21.	22.	6.4	0.95	0.01			0.07	0.14	0.04	50.	51.
22	7	1986	N	E1	930	8.6	6.9	6.7	29.3	28.8	28.5					26.	24.	6.4	0.86	0.03			0.06	0.17	0.04	38.	39.
22	7	1986	N	E2	945	5.5	4.5	3.7	29.7	29.4	29.3					29.	12.	6.6	2.01	0.04			0.05	0.8	0.53	24.	26.
22	7	1986	N	E3	945	5.9	4.8	3.9	29.6	29.4	29.	35.	32.5	25.	26.5	29.	14.	6.5	2.19	0.03			0.05	0.57	0.38	31.	30.
22	7	1986	N	E4	945	7.3	6.4	5.9	29.3	28.9	28.8					24.	16.	7.	1.09	0.03			0.08	0.21	0.05	27.	27.
22	7	1986	N	INLET	945		3.6			26.7						24.	20.	6.9		0.29			0.35	0.26	0.08		
22	7	1986	Y	CB.BD	1000	3.6	2.6	1.8	29.	28.8	28.6					55.	68.	6.3	2.66	0.14			0.05	0.3	0.05		
29	7	1986	N	C1	900	5.7	5.6	5.3	27.5	27.3	27.2					35.	26.	6.8	1.42	0.05			0.11	0.37	0.14	24.	23.
29	7	1986	N	C2	900	5.7	5.	3.8	27.4	27.3	27.2	34.	29.	28.	27.	35.	30.	6.9	1.33	0.04			0.1	0.46	0.27	29.	30.
29	7	1986	N	C3	900	6.1	5.	4.3	27.2	27.1	27.					30.	27.	7.	1.07	0.07			0.16	0.3	0.1	25.	24.
29	7	1986	N	C4	915	7.7	5.6	4.4	27.9	27.6	27.4					46.	38.	7.9	3.2	0.05			0.31	1.12	1.22	18.	17.
29	7	1986	N	C5	915	5.2	4.7	3.9	28.2	28.1	28.					30.	29.	6.5	1.3	0.01			0.08	0.67	0.43	35.	33.
29	7	1986	N	C6	915	5.7	5.2	4.8	27.7	27.7	27.2					24.	24.	6.3	0.74	0.13			0.02	0.23	0.1	34.	35.
29	7	1986	N	C7	930	7.	5.8	5.	27.8	27.4	27.2					27.	23.	6.4	1.36	0.05			0.18	0.28	0.35	31.	30.
29	7	1986	N	C8	930	5.7	5.6	5.2	27.6	27.2	27.1	33.	31.	28.	26.	22.	21.	6.3	0.82	0.16			0.21	0.15	0.07	40.	40.
29	7	1986	N	E1	930	8.3	7.4	6.4	27.7	27.3	27.					23.	19.	6.8	1.15	0.03			0.14	0.22	0.04	35.	36.
29	7	1986	N	E2	945	7.2	6.4	5.9	28.3	28.	28.					30.	30.	6.5	2.03	0.01			0.08	0.92	0.57	40.	41.
29	7	1986	N	E3	945	7.5	5.	3.9	28.2	27.8	27.6	34.	32.	26.5	26.	32.	33.	6.4	1.91	0.03			0.08	0.65	0.39	36.	36.
29	7	1986	N	E4	945	7.2	6.3	5.5	27.8	27.6	27.3					27.	28.	6.4	0.87	0.04			0.12	0.17	0.04	38.	38.
29	7	1986	N	INLET	945		4.3			25.6						23.	22.	6.2	0.97	0.21			0.38	0.26	0.09		
29	7	1986	Y	CL.BD	1000		4.9			27.5						36.	36.	6.3	3.61	0.1			0.12	0.41	0.06		
5	8	1986	N	C1	900	5.1	4.3	3.7	26.7	26.7	26.7					30.	24.	6.5	2.19	0.06			0.12	0.41	0.11	23.	24.
5	8	1986	N	C2	900	4.	3.2	2.5	26.9	26.7	26.7	33.	29.	26.	27.	31.	28.	6.4	1.82	0.08			0.17	0.47	0.26	29.	30.
5	8	1986	N	C3	900	4.9	3.6	3.2	26.7	26.5	26.5					27.	26.	6.3	1.72	0.12			0.03	0.43	0.21	26.	25.
5	8	1986	N	C4	915	6.8	3.9	2.8	26.9	26.7	26.6					41.	34.	7.	4.71	0.08			0.37	1.44	1.47	15.	16.

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
5	8	1986	N	C5	915	3.6	2.8	2.4	27.2	27.1	27.1					28.	22.	6.2	1.37	0.14			0.14	0.9	0.54	50.	51.
5	8	1986	N	C6	915	4.9	4.2	3.9	27.1	26.9	26.8					22.	20.	6.3	1.08	0.2			0.3	0.25	0.11	30.	30.
5	8	1986	N	C7	930	5.2	4.1	3.5	27.	26.9	26.8					25.	24.	6.3	1.78	0.07			0.17	0.74	0.46	31.	32.
5	8	1986	N	C8	930	5.3	4.6	4.3	27.1	27.	26.8	33.	29.	27.	27.	20.	20.	6.1	0.87	0.21			0.29	0.12	0.04	44.	44.
5	8	1986	N	E1	930	5.6	4.5	4.3	27.	26.8	26.7					20.	22.	6.2	1.24	0.2			0.27	0.23	0.06	32.	33.
5	8	1986	N	E2	945	5.4	3.8	3.5	27.6	27.4	27.3					29.	29.	6.6	2.26	0.09			0.14	0.92	0.58	38.	37.
5	8	1986	N	E3	945	5.	3.8	2.8	27.4	27.3	27.1	33.	30.	26.	26.	30.	28.	6.4	2.39	0.1			0.12	0.52	0.26	35.	36.
5	8	1986	N	E4	945	6.2	5.2	4.3	27.2	27.	26.8					26.	26.	6.4	1.2	0.13			0.22	0.21	0.05	27.	27.
5	8	1986	N	INLET	945		4.7			25.						20.	16.	6.2	0.89	0.31			0.49	0.43	0.13		
5	8	1986	Y	CL.BD	1000		2.4			26.1						25.	24.	6.3	6.35	0.08			0.27	0.63	0.07	13.	14.
12	8	1986	N	C1	900	7.4	6.5	5.8	27.9	27.6	27.5					32.	27.	7.2	1.9	0.1			0.27	0.24	0.16	21.	22.
12	8	1986	N	C2	900	7.6	6.1	4.7	28.4	28.1	27.9	33.	29.	26.	26.	32.	30.	7.1	1.59	0.06			0.1	0.3	0.15	33.	35.
12	8	1986	N	C3	900	6.1	5.2	4.8	27.6	27.5	27.6					28.	26.	7.1	1.37	0.03			0.25	0.26	0.1	24.	25.
12	8	1986	N	C4	915	8.8	5.6	3.6	28.2	27.9	27.8					46.	40.	7.7	4.74	0.07			0.47	1.19	1.33	16.	14.
12	8	1986	N	C5	915	8.6	5.2	4.1	28.9	28.6	28.4					28.	22.	7.	1.82	0.01			0.11	0.58	0.43	42.	42.
12	8	1986	N	C6	915	8.2	7.2	6.4	28.4	28.2	27.9					24.	22.	7.5	1.05	0.03			0.16	0.2	0.04	36.	35.
12	8	1986	N	C7	930	9.5	7.7	7.4	28.	27.6	27.5					27.		7.9	1.41	0.04			0.21	0.58	0.34	32.	30.
12	8	1986	N	C8	930	7.8	7.4	7.	28.4	28.2	28.1	33.	29.	26.	26.	26.	21.	7.6	0.69	0.01			0.18	0.13	0.05	54.	55.
12	8	1986	N	E1	930	8.5	7.2	6.7	28.4	28.1	28.					22.	18.	7.8	0.97	0.06			0.15	0.19	0.03	40.	41.
12	8	1986	N	E2	945	8.	4.9	4.4	29.	29.	28.8					29.	30.	7.7	2.49	0.05			0.05	0.74	0.41	33.	32.
12	8	1986	N	E3	945	7.9	4.6	4.1	28.7	28.5	28.2	33.	31.	26.	26.	37.	26.	7.4	1.94	0.06			0.07	0.41	0.13	30.	31.
12	8	1986	N	E4	945	8.9	7.7	6.5	28.5	27.9	27.7					26.	22.	7.8	1.03	0.06			0.09	0.12	0.03	31.	32.
12	8	1986	N	INLET	945		4.			26.7						22.	20.	7.	1.21	0.33			0.46	0.31	0.12		
12	8	1986	Y	CL.BD	1000		4.3			28.7						20.	16.	6.7	3.18	0.1			0.22	0.5	0.07		
19	8	1986	N	C1	900	7.3	6.4	6.	26.3	26.3	26.2					32.	26.	8.1	2.26	0.05			0.48	0.46	0.21	19.	20.
19	8	1986	N	C2	900	5.	4.	3.6	26.9	26.9	26.8	33.	29.	26.	27.	33.	32.	6.9	1.59	0.06			0.17	0.45	0.16	27.	26.
19	8	1986	N	C3	900	5.2	4.6	4.4	26.3	26.1	26.1					29.	29.	7.6	1.62	0.08			0.43	0.37	0.11	18.	19.
19	8	1986	N	C4	915	9.4	6.6	6.4	26.5	26.4	26.3					49.	46.	9.2	5.74	0.11			0.67	1.16	1.3	13.	14.
19	8	1986	N	C5	915	5.9	4.5	4.	27.6	27.4	27.4					35.	28.	6.8	1.91	0.03			0.11	0.79	0.43	42.	41.
19	8	1986	N	C6	915	8.2	7.4	7.1	27.4	27.1	27.1					23.	18.	7.2	1.22	0.08			0.19	0.27	0.05	28.	28.
19	8	1986	N	C7	930	9.6	8.9	8.2	27.1	26.9	26.8					29.	21.	8.2	2.01	0.05			0.26	0.68	0.28	30.	31.
19	8	1986	N	C8	930	7.5	6.3	6.3	27.5	27.1	27.	33.	30.	26.	26.	23.	18.	7.4	1.49	0.04			0.22	0.2	0.05	40.	41.
19	8	1986	N	E1	930	7.6	7.	6.6	27.	26.8	26.8					23.	14.	7.5		0.03			0.28	0.18	0.03	35.	34.
19	8	1986	N	E2	945	6.6	4.8	4.2	27.5	27.2	27.1					28.	28.	7.9	2.74	0.06			0.18	0.72	0.31	35.	34.
19	8	1986	N	E3	945	6.9	5.1	4.5	27.5	27.3	27.2	33.	30.	25.	26.	27.	24.	7.4		0.05			0.18	0.43	0.14	29.	30.
19	8	1986	N	E4	945	8.2	6.8	6.	27.1	26.7	26.3					28.	22.	7.9	1.52	0.06			0.18	0.21	0.04	24.	25.
19	8	1986	N	INLET	945		3.6			23.3						25.	22.	6.2	1.75	0.8			0.48	0.22	0.1		
19	8	1986	Y	CL.BD	1000		4.6			25.9						37.	22.	6.3	4.34	0.38			0.2	0.53	0.04	21.	20.
26	8	1986	N	C1	900	2.4	1.8	1.5	27.2	27.2	27.1					30.	36.	6.5	2.19	0.01			0.07	0.39	0.05	27.	27.
26	8	1986	N	C2	900	3.2	2.6	2.4	27.5	27.4	27.4	34.	30.	26.	27.	30.	36.	6.7	1.84	0.08			0.17	0.36	0.08	25.	25.
26	8	1986	N	C3	900	3.2	2.7	2.3	27.1	27.1	27.1					26.	28.	6.6	1.58	0.11			0.26	0.3	0.05	25.	24.
26	8	1986	N	C4	915	3.2	1.9	1.5	27.3	27.3	27.1					41.	37.	7.7	4.95	0.			0.06	1.41	1.04	16.	17.
26	8	1986	N	C5	915	3.1	2.2	2.	28.2	28.3	28.2					38.	33.	6.4	1.94	0.01			0.05	0.77	0.41	38.	39.
26	8	1986	N	C6	915	3.9	3.1	3.	27.6	27.5	27.4					22.	20.	6.6	1.49	0.16			0.23	0.28	0.04	31.	32.
26	8	1986	N	C7	930	4.7	2.9	2.6	27.1	27.	27.					24.	34.	7.5	2.44	0.			0.12	0.64	0.14	25.	25.

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
26	8	1986	N	C8	930	4.2	3.5	3.4	27.7	27.5	27.3	34.	31.	27.	26.	20.	36.	6.3	1.36	0.17			0.25	0.17	0.01	37.	38.
26	8	1986	N	E1	930	4.1	3.3	3.4	27.8	27.7	27.6					18.	24.	6.2	1.29	0.15			0.21	0.16	0.02	38.	39.
26	8	1986	N	E2	945	3.4	1.4	1.4	28.	27.9	27.9					26.	24.	6.2	3.09	0.			0.04	0.8	0.4	33.	34.
26	8	1986	N	E3	945	3.	2.	2.2	28.	28.	27.8	34.	30.	26.	26.	24.	22.	6.3	2.51	0.			0.05	0.55	0.15	29.	29.
26	8	1986	N	E4	945	5.5	4.3	4.2	27.8	27.6	27.5					25.	27.	7.5	1.58	0.01			0.17	0.26	0.02	26.	27.
26	8	1986	N	INLET	945		3.4			25.6						22.	38.	6.2	1.08	0.29			0.53	0.25	0.07		
26	8	1986	Y	CL.BD	1000		1.			26.3						26.	32.	6.	3.02	0.			0.04	0.42	0.03		
2	9	1986	N	C1	900	4.8	3.	2.7	27.6	27.2	27.1					23.	24.	7.9	2.16	0.03			0.37	0.4	0.06	14.	15.
2	9	1986	N	C2	900	6.	2.8	2.1	27.7	27.3	27.2	34.	30.	27.	27.	26.	26.	8.6	2.05	0.02			0.32	0.4	0.1	20.	21.
2	9	1986	N	C3	900	5.	3.1	2.7	27.7	27.2	27.					22.	26.	8.5	1.21	0.11			0.36	0.29	0.04	20.	21.
2	9	1986	N	C4	915	4.8	1.4	1.1	28.2	27.6	27.5					46.	40.	9.5	4.84	0.01			0.07	1.42	1.18	12.	13.
2	9	1986	N	C5	915	7.1	4.4	3.9	28.9	28.7	28.5					34.	30.	9.2	2.49	0.			0.06	0.89	0.57	25.	24.
2	9	1986	N	C6	915	5.9	4.3	3.4	29.	28.4	28.2					21.	16.	8.5	1.08	0.			0.14	0.21	0.03	40.	39.
2	9	1986	N	C7	930	7.6	4.3	3.2	28.6	27.7	27.6					22.	24.	9.6	1.99	0.			0.05	0.61	0.23	32.	31.
2	9	1986	N	C8	930	4.7	3.6	3.5	28.6	27.7	27.6	34.	32.	27.	26.	18.	28.	8.5	1.05	0.08			0.22	0.14	0.	35.	35.
2	9	1986	N	E1	930	5.2	3.2	2.8	28.3	27.4	27.3					15.	16.	8.3	1.43	0.03			0.4	0.19	0.02	22.	21.
2	9	1986	N	E2	945	7.	2.	1.6	29.	28.4	28.2					26.	17.	8.6	2.7	0.			0.14	0.63	0.4	22.	23.
2	9	1986	N	E3	945	6.8	3.	1.5	29.4	28.5	28.3	34.	31.	27.	28.	26.	20.	8.8	2.8	0.			0.1	0.48	0.14	27.	27.
2	9	1986	N	E4	945	8.3	4.6	4.4	27.9	27.5	27.5					25.	18.	9.6	2.06	0.			0.15	0.25	0.05	19.	20.
2	9	1986	N	INLET	945		3.			25.3						25.	28.	6.6	1.45	0.33			0.84	0.3	0.08		
2	9	1986	Y	CL.BD	1000		4.4			27.4						30.	35.	8.7	4.39				0.15	0.46	0.01		
9	9	1986	N	C1	900	4.9	4.6	4.5	26.3	26.5	26.5					24.	29.	7.1	2.13	0.01			0.31	0.38	0.07	21.	21.
9	9	1986	N	C2	900	4.6	4.3	4.1	26.7	26.8	26.8	34.	29.	27.	26.	30.	37.	7.2	2.28	0.03			0.12	0.4	0.13	23.	22.
9	9	1986	N	C3	900	4.7	4.6	4.3	26.4	26.5	26.5					26.	27.	7.1	1.74	0.14			0.4	0.32	0.06	20.	19.
9	9	1986	N	C4	915	2.4	1.9	1.8	26.6	26.6	26.6					49.	46.	7.8	6.27	0.			0.09	1.63	1.2	13.	14.
9	9	1986	N	C5	915	2.7	2.4	2.3	27.	27.	27.					35.	33.	7.3	2.74	0.			0.06	1.21	0.74	25.	24.
9	9	1986	N	C6	915	4.8	4.6	4.3	26.9	27.	27.					21.	28.	6.9	1.27	0.1			0.18	0.25	0.03	33.	32.
9	9	1986	N	C7	930	2.	1.9	1.8	26.9	27.	27.					26.	29.	6.9	1.34	0.26			0.09	0.62	0.43	49.	51.
9	9	1986	N	C8	930	6.9	6.1	6.	26.8	26.7	26.6	34.	31.	26.	26.	19.	18.	7.2	1.02	0.06			0.17	0.17	0.03	35.	35.
9	9	1986	N	E1	930	5.7	5.5	4.9	26.8	27.	27.					16.	14.	7.	1.37	0.			0.17	0.18	0.03	31.	30.
9	9	1986	N	E2	945	2.7	2.2	2.1	27.4	27.4	27.3					30.	28.	7.	3.14	0.1			0.11	0.74	0.4	35.	35.
9	9	1986	N	E3	945	4.2	3.6	3.1	27.	27.	26.8	33.	29.	25.	27.	27.	25.	6.9	2.43	0.07			0.08	0.66	0.23	26.	25.
9	9	1986	N	E4	945	8.1	6.9	6.3	26.4	26.3	26.1					21.	22.	9.	2.25	0.01			0.11	0.3	0.05	20.	20.
9	9	1986	N	INLET	945		5.2			24.3						20.	24.	6.7	1.32	0.36			0.55	0.23	0.07		
9	9	1986	Y	CL.BD	1000		3.8			26.						34.	28.	6.6	4.17	0.			0.08	0.38	0.02		

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
13	10	1986	N	C1	900	5.8	5.4	5.2	27.4	26.5	26.9					37.	36.	7.9	0.88	0.17			0.42	0.37	0.17	45.	47.
13	10	1986	N	C2	900	6.5	6.	5.6	27.8	27.4	27.3	31.	30.	26.	27.	40.	34.	8.	1.14	0.32			0.35	0.61	0.31	50.	51.
13	10	1986	N	C3	900	4.9	4.6	4.5	27.9	27.4	27.3					39.	38.	8.2	1.25	0.2			0.31		0.23	50.	52.
13	10	1986	N	C4	915	2.7	1.5	0.9	28.3	27.6	27.6					61.	60.	7.5	1.21	0.9			0.48	1.33	1.14	48.	48.
13	10	1986	N	C5	915	9.6	9.3	8.3	28.8	28.1	28.					46.	42.	8.3	1.17	0.37			0.09	0.78	0.55	60.	60.
13	10	1986	N	C6	915	5.2	4.8	4.8	28.3	27.6	27.5					30.	24.	7.7	0.92	0.29			0.49	0.29	0.16	50.	48.
13	10	1986	N	C7	930	3.8	3.7	3.7	28.4	28.1	27.9					36.	30.	7.6	0.71	0.28			0.23	0.24	0.13	60.	60.
13	10	1986	N	C8	930	5.6	5.6	6.	28.1	27.7	27.6	31.	34.	26.	24.	29.	28.	7.5	0.76	0.27			0.35	0.23	0.12	51.	53.
13	10	1986	N	E1	930	5.3	5.2	5.	28.	27.4	27.3					29.	28.	7.4	0.99	0.36			0.34	0.21	0.12	45.	45.
13	10	1986	N	E2	945	5.6	4.9	5.	28.5	28.	27.8					38.	38.	7.4	1.33	0.41			0.39	0.83	0.62	50.	48.
13	10	1986	N	E3	945	3.	3.1	3.1	28.6	27.9	27.8	31.	30.	22.	25.	37.	30.	7.6	0.94	0.33			0.3	0.51	0.39	50.	49.
13	10	1986	N	E4	945	7.5	7.	5.6	28.	27.4	27.2					29.	26.	7.7	0.52	0.13			0.33	0.17	0.09	38.	40.
13	10	1986	N	INLET	945		1.6			25.6						26.	18.	7.1	0.98	0.54			0.33	0.23	0.08		
13	10	1986	Y	CL.BD	1000		6.2			29.3						30.	26.	7.		0.36			0.	0.13	0.02		
20	10	1986	N	C1	900	8.4	7.8	6.9	30.1	29.9	29.9					36.		9.	0.95	0.			0.04	0.29	0.15	45.	47.
20	10	1986	N	C2	900	7.2	6.5	5.4	30.2	30.	29.9	34.	32.	26.	27.	34.		9.	1.29	0.			0.	0.7	0.45	55.	55.
20	10	1986	N	C3	900	5.9	4.2	3.5	29.7	29.4	29.2					33.		8.5	1.14	0.			0.1	0.39	0.15	32.	30.
20	10	1986	N	C4	915	5.5	1.7	0.9	30.1	29.9	29.7					48.		8.7	2.6	0.			0.02	1.89	1.51	40.	40.
20	10	1986	N	C5	915	5.7	4.8	3.4	30.6	30.6	30.4					47.		7.7	1.23	0.			0.03	1.29	0.86	55.	54.
20	10	1986	N	C6	915	9.5	7.7	7.4	30.2	29.9	29.6					30.		9.	0.81	0.			0.12	0.31	0.11	55.	55.
20	10	1986	N	C7	930	12.9	9.3	8.2	30.2	29.8	29.3					38.		9.2	0.92	0.			0.02	0.63	0.33	49.	45.
20	10	1986	N	C8	930	7.8	6.7	6.3	29.7	29.	28.8	36.	33.	28.	25.	27.		8.8	0.88	0.			0.09	0.16	0.03	47.	45.
20	10	1986	N	E1	930	7.5	7.3	7.2	29.8	29.8	29.6					28.		8.7	0.99	0.			0.05	0.3	0.05	55.	55.
20	10	1986	N	E2	945	6.4	5.6	5.4	30.7	30.3	30.2					38.		8.6	1.48	0.			0.02	1.27	1.07	45.	46.
20	10	1986	N	E3	945	9.	6.2	4.7	30.5	30.2	29.9	32.	34.	24.	22.	41.		9.	1.26	0.			0.04	1.39	0.95	45.	42.
20	10	1986	N	E4	945	7.6	6.5	6.	30.	29.4	29.1					28.		9.	0.7	0.			0.07	0.25	0.05	35.	35.
20	10	1986	N	INLET	945		5.1			27.3						25.		7.1	1.19	0.28			0.37	0.27	0.04		
20	10	1986	Y	CL.BD	1000		6.6			29.8						26.		7.3	4.39	0.03			0.11	0.7	0.		
27	10	1986	N	C1	900	5.7	4.5	4.4	28.3	28.1	28.					33.	38.	8.5	1.82	0.05			0.01	0.44	0.18	35.	35.
27	10	1986	N	C2	900	4.6	3.6	2.9	28.1	28.	27.9	33.5	33.5	26.5	28.	34.	36.	8.3	2.1	0.09			0.04	0.66	0.43	38.	40.
27	10	1986	N	C3	900	4.2	3.5	2.8	27.8	27.8	27.6					29.	36.	8.	1.39	0.14			0.15	0.32	0.13	25.	28.
27	10	1986	N	C4	915	4.	1.4	0.8	28.2	27.8	27.8					46.	46.	8.1	3.18	0.09			0.	1.31	1.21	30.	30.
27	10	1986	N	C5	915	3.7	2.2	1.8	28.9	28.8	28.7					41.	44.	7.7	2.39	0.			0.	1.11	0.94	55.	54.
27	10	1986	N	C6	915	8.4	7.1	6.4	28.4	28.2	28.					25.	28.	8.8	1.58	0.			0.13	0.26	0.07	50.	53.
27	10	1986	N	C7	930	3.3	2.8	2.4	28.4	28.3	28.2					33.	38.	8.	1.18	0.16			0.11	0.95	0.51	60.	59.
27	10	1986	N	C8	930	6.3	5.7	5.6	28.4	28.2	28.1	35.	31.	28.5	27.5	23.	22.	7.8	1.06	0.06			0.24	0.1	0.02	58.	55.
27	10	1986	N	E1	930	6.4	5.7	4.9	28.3	28.2	28.					24.	22.	7.8	0.89	0.09			0.16	0.19	0.05	55.	58.
27	10	1986	N	E2	945	4.8	2.6	1.2	28.3	28.1	27.8					35.	30.	7.4	2.57	0.			0.13	1.1	0.98	30.	32.
27	10	1986	N	E3	945	4.6	2.9	1.9	28.7	28.5	28.3	33.5	31.5	26.5	28.5	39.	34.	7.8	3.5	0.			0.	1.15	1.08	38.	40.
27	10	1986	N	E4	945	6.9	5.7	5.	28.8	28.6	28.4					26.	18.	7.8	1.47	0.02			0.08	0.25	0.08	45.	48.
27	10	1986	N	INLET	945		5.			25.6						20.	19.	7.2	1.55	0.14			0.37	0.13	0.01		
27	10	1986	Y	CL.BD	1000		5.7			28.7						29.	27.	7.1	5.91	0.				0.18	0.		
3	11	1986	N	C1	900	5.3	4.	3.6	28.6	28.5	28.4					35.	32.	8.5	1.16	0.1			0.	0.42	0.2	42.	40.
3	11	1986	N	C2	900	4.6	3.9	3.6	28.7	28.4	28.3	33.5	30.5	27.	27.	30.	34.	8.3	0.81	0.07			0.	0.59	0.47	45.	42.

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
3	11	1986	N	C3	900	4.3	2.5	2.	28.4	28.1	28.					28.	30.	7.9	0.94	0.02			0.	0.46	0.18	35.	39.
3	11	1986	N	C4	915	4.3	2.9	2.6	28.5	28.4	28.2					42.	50.	8.5	3.26	0.05			0.	1.71	1.2	35.	35.
3	11	1986	N	C5	915	4.	3.2	2.4	29.2	28.8	28.7					35.	36.	7.6	1.09	0.1			0.22	1.02	0.6	49.	50.
3	11	1986	N	C6	915	5.4	4.9	4.6	29.2	28.9	28.7					26.	26.	8.3	0.91	0.03			0.04	0.26	0.24	59.	60.
3	11	1986	N	C7	930	4.3	4.2	4.1	29.3	28.9	28.6					35.	32.	8.3	1.15	0.03			0.02	0.89	0.61	60.	60.
3	11	1986	N	C8	930	5.5	5.1	3.9	28.9	28.2	27.8	34.	30.	27.	26.5	19.	28.	8.1	0.93	0.06			0.1	0.28	0.02	56.	55.
3	11	1986	N	E1	930	6.5	5.8	5.3	28.6	28.3	28.2					20.	22.	7.7	0.64	0.06			0.11	0.16	0.03	49.	51.
3	11	1986	N	E2	945	4.9	3.2	1.5	29.1	28.7	28.5					30.	34.	7.6	1.87	0.03			0.	1.64	1.04	36.	39.
3	11	1986	N	E3	945	5.7	2.9	2.7	28.9	28.6	28.3	31.5	31.	27.	27.	36.	40.	7.9	2.21	0.04			0.	1.69	1.14	38.	41.
3	11	1986	N	E4	945	5.7	4.3	3.9	28.7	28.4	28.2					22.	20.	7.8	0.83	0.04			0.04	0.25	0.09	35.	36.
3	11	1986	N	INLET	945		5.5			26.6						18.	24.	7.	0.57	0.14			0.32	0.48	0.01		
3	11	1986	Y	CL.BD	1000		4.1			28.8						21.	26.	7.	0.42	0.05			0.08	0.2	0.01		
10	11	1986	N	C1	900	5.3	3.8	3.2	27.8	27.5	27.4					39.	26.	8.2	1.89	0.02			0.01	0.46	0.98	33.	30.
10	11	1986	N	C2	900	7.9	5.9	4.7	28.1	27.8	27.7	33.5	32.	27.5	26.5	31.	30.	8.	1.49	0.04			0.01	0.61	0.21	28.	28.
10	11	1986	N	C3	900	5.	2.7	2.1	27.9	27.5	27.4					31.	28.	7.2	0.93	0.01			0.03	0.37	0.35	30.	30.
10	11	1986	N	C4	915	6.5	2.	1.4	28.	27.6	27.5					44.	28.	7.7	2.23	0.			0.	1.45	1.13	32.	31.
10	11	1986	N	C5	915	6.4	4.3	3.6	28.3	28.	27.9					35.	32.	7.7	1.26	0.03			0.01	0.88	0.52	42.	40.
10	11	1986	N	C6	915	6.9	5.4	5.	28.1	27.6	27.4					22.	36.	7.7	0.17	0.02			0.08	0.23	0.1	50.	47.
10	11	1986	N	C7	930	7.9	5.8	4.4	28.4	27.9	27.7					35.	36.	8.1	1.06	0.07			0.01	0.65	0.47	45.	45.
10	11	1986	N	C8	930	7.2	6.1	5.5	27.9	27.4	27.3	33.5	29.5	27.	26.	18.	22.	7.5	0.35	0.06			0.09	0.11	0.02	48.	48.
10	11	1986	N	E1	930	5.	4.6	4.7	27.9	27.6	27.5					21.	26.	7.2	0.04	0.1			0.18	0.16	0.07	53.	55.
10	11	1986	N	E2	945	8.3	4.7	3.5	28.6	27.9	27.8					39.	30.	7.4	1.38	0.01			0.01	0.96	0.73	40.	42.
10	11	1986	N	E3	945	8.5	4.5	3.6	28.6	27.9	27.6	32.	32.5	26.	27.	40.	36.	7.6	2.62	0.02			0.	1.1	0.82	35.	37.
10	11	1986	N	E4	945	6.5	5.	4.9	28.	27.4	27.3					22.	32.	7.5	0.86	0.07			0.05	0.19	0.02	39.	38.
10	11	1986	N	INLET	945		5.5			26.2						19.	20.	7.	0.02	0.11			0.27	0.13	0.01		
10	11	1986	Y	CL.BD	1000		4.3			28.1						18.	18.	6.9	0.3	0.05			0.04	0.07	0.		
16	11	1986	N	C1	900	6.1	4.4	4.2	28.7	28.1	28.					36.	36.	6.8	1.46	0.1			0.	0.54	0.2	25.	25.
16	11	1986	N	C2	900	7.7	5.7	5.6	29.1	28.9	28.7	33.	31.	26.	27.5	33.	50.	6.8	1.37	0.09			0.04	0.9	0.48	35.	37.
16	11	1986	N	C3	900	5.	3.3	3.	28.8	28.5	28.2					30.	36.	6.6	1.6	0.12			0.01	0.44	0.14	30.	31.
16	11	1986	N	C4	915	4.9	4.7	4.7	28.9	28.3	28.2					49.	42.	7.	2.45	0.05			0.	1.75	1.29	22.	25.
16	11	1986	N	C5	915	6.1	3.5	3.2	29.4	29.	28.9					35.	34.	6.6	1.3	0.06			0.	0.91	0.55	38.	40.
16	11	1986	N	C6	915	6.8	5.9	4.7	29.6	29.1	28.9					24.	52.	6.7	0.52	0.08			0.07	0.24	0.15	48.	47.
16	11	1986	N	C7	930	7.1	3.9	3.2	29.5	28.9	28.8					41.	26.	6.9	1.55	0.04			0.	0.99	0.68	40.	42.
16	11	1986	N	C8	930	7.8	7.2	7.1	29.2	28.9	28.8	35.	30.	27.	26.	21.	44.	6.6	0.34	0.09			0.08	0.19	0.05	55.	53.
16	11	1986	N	E1	930	8.6	6.5	6.1	29.5	29.1	29.1					24.	16.	6.6	0.05	0.07			0.1	0.38	0.16	48.	50.
16	11	1986	N	E2	945	7.2	3.4	3.2	29.8	29.3	27.2					36.	44.	6.9	2.53	0.06			0.01	2.18	1.58	36.	36.
16	11	1986	N	E3	945	7.	3.1	2.6	29.6	29.1	28.9	31.	32.5	27.	27.	46.	44.	7.	2.66	0.04			0.	2.02	1.42	30.	31.
16	11	1986	N	E4	945	6.8	5.5	5.	29.5	28.9	28.8					25.	30.	6.7	0.42	0.06			0.02	0.2	0.04	40.	40.
16	11	1986	N	INLET	945		5.4			26.7						21.	48.	6.3	0.09	0.14			0.43	0.21	0.23		
16	11	1986	Y	CL.BD	1000		4.7			28.7						24.	22.	6.4	0.	0.04			0.05	0.06	0.01		
23	11	1986	N	C1	900	4.6	3.1	2.4	28.1	27.8	27.8					31.		6.8	1.35	0.05			0.	0.51	0.19	29.	29.
23	11	1986	N	C2	900	4.8	2.8	2.6	29.2	28.8	28.7	33.5	32.	26.5	27.	30.		7.2	1.87	0.07			0.	0.81	0.57	36.	39.
23	11	1986	N	C3	900	4.6	3.	2.2	28.6	28.2	28.1					24.		7.2	1.12	0.04			0.02	0.43	0.1	30.	32.
23	11	1986	N	C4	915	4.6	1.	0.8	28.6	28.4	28.3					40.		7.3	3.49	0.03			0.	1.5	1.01	25.	25.
23	11	1986	N	C5	915	4.2	2.4	2.2	29.4	29.	28.9					30.		7.1	1.17	0.04			0.	0.79	0.48	45.	43.

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
23	11	1986	N	C6	915	4.6	3.7	3.4	29.1	28.7	28.5					24.		7.2	1.25	0.17			0.05	0.31	0.14	55.	52.	
23	11	1986	N	C7	930	7.1	3.3	2.6	29.5	28.7	28.5					36.		7.7	2.12	0.03			0.	1.64	0.67	37.	40.	
23	11	1986	N	C8	930	4.5	4.2	4.1	29.1	28.6	28.5	34.5	31.	28.5	27.	21.		7.3	0.49	0.2			0.16	0.13	0.04	60.	60.	
23	11	1986	N	E1	930	6.7	5.1	4.6	29.2	28.6	27.4					20.		7.4	0.74	0.08			0.06	0.32	0.07	40.	40.	
23	11	1986	N	E2	945	3.1	1.7	1.	30.	29.6	28.8					32.		7.2	3.82	0.06			0.	1.71	1.27	32.	35.	
23	11	1986	N	E3	945	4.5	2.5	1.4	29.5	28.7	28.6	33.5	31.5	26.5	27.	42.		7.1	4.02	0.06			0.	1.48	1.31	40.	38.	
23	11	1986	N	E4	945	7.	6.9	4.8	30.2	29.1	28.6					20.		7.5	0.63	0.03			0.	1.3	0.04	35.	35.	
23	11	1986	N	INLET	945		4.9			26.7						15.		7.	0.17	0.17			0.29	0.63	0.01			
23	11	1986	Y	CL.BD	1000		4.6			28.1						24.		6.8	0.2	0.04			0.	0.28	0.02			
30	11	1986	N	C1	900	3.7	2.3	2.1	27.5	27.3	27.3					39.	46.	6.8	2.59	0.01			0.02	0.53	0.2	23.	24.	
30	11	1986	N	C2	900	4.7	3.	2.9	28.2	27.9	27.9	32.	34.	27.	27.	38.	28.	7.1	2.28	0.			0.01	0.92	0.55	29.	28.	
30	11	1986	N	C3	900	5.1	3.1	2.8	27.8	27.6	27.6					30.	26.	7.1	1.94	0.			0.01	0.43	0.1	23.	22.	
30	11	1986	N	C4	915	4.4	2.1	1.4	27.8	27.6	27.6					55.	52.	7.3	4.78	0.			0.04	1.53	1.25	17.	18.	
30	11	1986	N	C5	915	6.2	4.2	2.8	28.4	28.2	28.2					34.	30.	7.3	1.96	0.05			0.02	0.85	0.41	35.	36.	
30	11	1986	N	C6	915	5.1	4.2	3.5	28.4	28.	28.					30.	24.	7.3	1.53	0.12			0.05	0.4	0.19	30.	31.	
30	11	1986	N	C7	930	4.6	2.5	1.8	28.9	28.3	28.2					41.	38.	7.2	1.89	0.			0.	1.15	0.78	31.	30.	
30	11	1986	N	C8	930	6.4	6.2	6.1	28.9	28.6	28.6	33.	33.	26.	26.	26.	18.	7.2	1.14	0.18			0.12	0.17	0.07	40.	42.	
30	11	1986	N	E1	930	6.5		5.4	28.4		28.					23.	24.	7.3	1.01	0.			0.03	0.37	0.17	34.	35.	
30	11	1986	N	E2	945	5.6	2.6	1.8	28.7	28.1	28.1					38.	34.	7.2	3.81	0.			0.01	1.73	1.37	22.	23.	
30	11	1986	N	E3	945	6.3	4.5	2.9	29.	28.2	28.2	32.	32.	27.	27.	55.	54.	7.2	4.05	0.			0.	1.72	1.47	21.	22.	
30	11	1986	N	E4	945	7.1	6.1	5.1	28.5	28.	27.9					25.	24.	7.3	0.53	0.01			0.03	0.26	0.04	28.	27.	
30	11	1986	N	INLET	945		0.5			26.2						33.	28.	7.	2.46					0.82	0.04			
30	11	1986	Y	CL.BD	1000	3.4	3.2	3.2	27.5	27.4	27.1					31.	24.	6.8	0.33	0.			0.01	0.05	0.01	69.	68.	
7	12	1986	N	C1	900	4.3	3.9	3.3	28.6	28.6	28.6					32.	18.	7.3	2.56	0.2			0.09	0.57	0.19	25.	24.	94.
7	12	1986	N	C2	900	5.2	4.7	4.	29.1	29.1	29.	32.5	31.5	26.6	27.5	28.	16.	7.6	2.61	0.15			0.09	0.72	0.4	30.	29.	43.
7	12	1986	N	C3	900	4.	3.7	2.9	28.7	28.6	28.6					25.	20.	7.4	0.86	0.15			0.13	0.3	0.1	30.	30.	42.
7	12	1986	N	C4	915	3.	1.3	0.5	29.3	29.1	29.1					34.	32.	7.1	1.65	0.14			0.11	1.29	0.98	29.	28.	648.
7	12	1986	N	C5	915	4.8	3.9	3.3	29.4	29.3	29.2					33.	23.	7.4	1.64	0.12			0.08	0.72	0.39	35.	35.	120.
7	12	1986	N	C6	915	5.6	4.8	4.5	29.1	29.	28.8					25.	13.	7.5	1.06	0.12			0.11	0.26	0.1	39.	40.	93.
7	12	1986	N	C7	930	4.5	3.	1.8	29.7	29.5	29.4					37.	30.	7.4	1.05	0.09			0.07	0.68	0.47	37.	36.	106.
7	12	1986	N	C8	930	4.8	4.6	4.2	29.3	29.2	29.1	35.5	32.	28.5	26.5	23.	15.	7.5	1.36	0.22			0.14	0.13	0.03	41.	40.	14.
7	12	1986	N	E1	930	7.9	7.5	7.3	29.1	28.8	28.7					20.	11.	8.5	1.12	0.09			0.08	0.23	0.09	35.	36.	63.
7	12	1986	N	E2	945	4.4	3.8	3.8	29.5	29.4	29.3					34.	25.	7.8	5.19	0.07			0.08	1.38	1.15	23.	23.	144.
7	12	1986	N	E3	945	4.3	3.	2.1	29.8	29.5	2934.	31.5	33.	28.	26.	44.	33.	7.6	2.89	0.1			0.08	1.11	0.88	26.	26.	163.
7	12	1986	N	E4	945	8.	6.5	6.2	29.5	29.1	29.					22.	13.	8.3	1.27	0.05			0.09	0.21	0.04	32.	30.	106.
7	12	1986	N	INLET	945		4.8			26.9						20.	11.	7.3	0.49	0.14			0.21	0.11	0.03			
7	12	1986	Y	CL.BD	1000		7.			28.6						30.	26.	7.2	1.39	0.05			0.12	0.1	0.			
14	12	1986	N	C1	900	4.8	4.7	4.5	27.6	27.7	27.7					31.	14.	6.3	1.77	0.05			0.25	0.38	0.12	25.	25.	86.
14	12	1986	N	C2	900	4.7	4.5	4.2	28.3	28.3	28.3	33.5	33.	26.5	27.5	27.	22.	6.8	2.11	0.08			0.18	0.6	0.36	36.	35.	53.
14	12	1986	N	C3	900	5.	4.7	4.3	27.9	27.9	27.9					24.	24.	6.8	1.57	0.18			0.15	0.32	0.14	22.	20.	48.
14	12	1986	N	C4	915	3.4	2.6	2.4	28.2	28.2	28.2					42.	32.	6.9	3.88	0.1			0.49	1.26	0.68	25.	25.	88.
14	12	1986	N	C5	915	5.3	5.2	5.1	28.2	28.2	28.2					27.	30.	7.2	1.65	0.18			0.28	0.69	0.41	32.	32.	53.
14	12	1986	N	C6	915	5.6	5.4	5.2	28.3	28.3	28.3					22.	32.	7.2	1.11	0.18			0.18	0.28	0.12	30.	33.	21.
14	12	1986	N	C7	930	4.4	3.9	3.3	28.4	28.5	28.5					31.	20.	7.3	2.26	0.07			0.31	0.74	0.51	35.	36.	32.
14	12	1986	N	C8	930	5.7	5.7	5.6	28.3	28.3	28.3	35.	32.	27.	26.5	21.	20.	7.1	0.61	0.18			0.2	0.12	0.05	52.	55.	21.

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
14	12	1986	N	E1	930	6.4	6.2	6.1	27.9	28.	28.					17.	14.	7.2	1.17	0.11			0.18	0.16	0.07	43.	45.	32.
14	12	1986	N	E2	945	4.5	3.8	2.9	28.3	28.3	28.3					28.	16.	7.1	4.65	0.11			0.21	1.32	1.11	21.	20.	235.
14	12	1986	N	E3	945	4.8	4.2	3.6	28.1	28.2	28.2	33.5	32.	27.	28.	32.	40.	7.1	4.33	0.07			0.08	1.08	0.74	22.	21.	122.
14	12	1986	N	E4	945	6.3	5.8	5.5	27.8	27.7	27.7					17.	16.	7.6	1.46	0.18			0.15	0.49	0.05	25.	25.	3.
14	12	1986	N	INLET	945		5.			24.3						13.	18.	6.9	1.97	0.2			0.12	0.27	0.26			
14	12	1986	Y	CL.BD	1000		4.5			27.8						21.	20.	6.8	0.9				0.3	0.05	0.01			
21	12	1986	N	C1	900	6.9	4.3	3.8	28.1	27.9	27.8					29.	26.	7.7	1.47	0.05			0.01	0.35	0.1	38.	35.	
21	12	1986	N	C2	900	7.1	5.4	4.1	29.	28.5	28.3	33.	31.5	26.	27.5	25.	38.	7.3	1.45	0.07			0.02	0.43	0.2	40.	40.	
21	12	1986	N	C3	900	6.7	5.	4.5	28.2	27.8	27.7					25.	34.	7.3	1.22	0.09			0.04	0.51	0.09	35.	34.	
21	12	1986	N	C4	915	8.8	5.1	3.4	28.9	28.4	28.					48.	52.	7.8	3.11	0.			0.02	1.12	0.77	32.	32.	
21	12	1986	N	C5	915	8.1	4.9	4.3	28.6	28.1	28.					29.	40.	7.9	1.48	0.07			0.03	0.61	0.43	40.	41.	
21	12	1986	N	C6	915	7.7	6.2	5.	28.7	28.3	28.					24.	34.	7.8	1.19	0.08			0.03	0.34	0.26	37.	38.	
21	12	1986	N	C7	930	7.2	5.2	3.2	29.3	28.7	28.4					36.	42.	7.6	1.61	0.03			0.01	0.74	0.47	45.	45.	
21	12	1986	N	C8	930	7.	6.3	5.9	29.1	28.6	28.4	34.5	30.	27.	27.	22.	40.	7.2	0.88	0.09			0.02	0.23	0.09	50.	49.	
21	12	1986	N	E1	930	8.8	7.5	6.9	28.7	28.2	28.					27.	26.	7.1	0.79	0.05			0.07	0.2	0.08	50.	50.	
21	12	1986	N	E2	945	8.6	3.2	2.3	28.9	28.3	28.1					33.	34.	7.5	3.52	0.03			0.12	1.32	1.15	27.	28.	
21	12	1986	N	E3	945	10.9	6.	4.4	28.5	28.	27.8	32.	30.	26.	26.5	42.	51.	8.7	3.56	0.01			0.1	1.14	0.94	24.	24.	
21	12	1986	N	E4	945	9.7	8.6	8.	28.8	28.2	27.9					21.	20.	7.5	0.99	0.05			0.01	0.19	0.04	41.	42.	
21	12	1986	N	INLET	945		8.1			27.1						20.	24.	6.7	1.09	0.18			0.11	0.24	0.13			
21	12	1986	Y	CL.BD	1000		7.5			28.5						16.	14.	6.9	0.77	0.04			0.07	0.05	0.07			
28	12	1986	N	C1	900	4.8	3.8	3.	28.	27.9	27.8					39.	38.	7.2	1.36	0.1			0.01	0.36	0.11	30.	30.	
28	12	1986	N	C2	900	6.6	4.5	4.	28.2	28.	27.8	33.5	31.	27.	27.5	27.	36.	7.4	1.32	0.06			0.03	0.37	0.11	25.	24.	
28	12	1986	N	C3	900	5.9	4.3	3.6	28.5	28.2	28.2					29.	38.	7.2	0.84	0.09			0.09	0.28	0.01	35.	35.	
28	12	1986	N	C4	915	7.5	3.7	2.8	28.6	28.3	28.2					48.	50.	7.6	3.09	0.04			0.04	0.85	0.45	26.	25.	
28	12	1986	N	C5	915	6.	4.1	3.7	28.8	28.6	28.5					27.	26.	7.5	2.03	0.22			0.03	0.8	0.31	45.	45.	
28	12	1986	N	C6	915	6.3	5.	4.7	28.4	28.1	28.					28.	28.	7.8	1.14	0.02			0.06	0.38	0.47	26.	25.	
28	12	1986	N	C7	930	5.6	4.	3.4	28.7	28.5	28.4					37.	32.	7.8	1.08	0.02			0.02	0.55	0.31	37.	35.	
28	12	1986	N	C8	930	5.7	5.4	5.3	28.7	28.5	28.3	34.5	32.5	27.5	25.5	24.	34.	7.2	0.66	0.12			0.25	0.15	0.02	55.	52.	
28	12	1986	N	E1	930	6.6	5.4	5.3	27.9	27.5	27.4					21.	22.	7.2	0.7	0.04			0.1	0.34	0.09	25.	25.	
28	12	1986	N	E2	945	5.3	2.	1.1	28.9	28.6	28.5					31.	40.	7.5	4.64	0.04			0.01	1.36	1.31	24.	23.	
28	12	1986	N	E3	945	3.1	2.	1.8	28.	27.9	27.8	32.	30.	25.	28.	46.	42.	7.2	3.97	0.03			0.02	1.21	1.09	15.	15.	
28	12	1986	N	E4	945	8.5	6.8	6.5	28.4	28.1	28.					27.	30.	7.6	0.64	0.03			0.02	0.25	0.11	25.	27.	
28	12	1986	N	INLET	945		5.4			26.						20.	28.	7.5	0.44	0.14			0.3	0.4	0.24			
28	12	1986	Y	CL.BD	1000		7.2			28.5						16.	18.	7.5	1.49	0.46			0.04	0.1	0.			
4	1	1987	N	C1	900	4.4	3.9	3.2	26.5	26.4	26.3					36.	36.	7.2		0.31			0.02	0.41	0.08	28.	30.	
4	1	1987	N	C2	900	5.2	4.3	3.7	26.9	26.7	26.6	33.	29.5	26.	26.5	30.	46.	7.2		0.21			0.05	0.54	0.21	39.	38.	
4	1	1987	N	C3	900	5.9	4.6	4.	26.8	26.5	26.4					30.	48.	7.3		0.09			0.05	0.26	0.12	31.	33.	
4	1	1987	N	C4	915	6.8	3.2	2.7	27.1	26.8	26.7					36.	36.	7.1		0.07			0.01	0.9	0.75	25.	27.	
4	1	1987	N	C5	915	6.8	3.7	3.	27.	26.8	26.8					31.	32.	7.4		0.04			0.04	0.58	0.55	31.	33.	
4	1	1987	N	C6	915	5.2	4.5	3.8	27.2	26.8	26.7					27.	44.	7.4		0.18			0.13	0.34	0.13	39.	38.	
4	1	1987	N	C7	930	5.8	3.7	2.8	27.5	27.1	26.8					32.	42.	7.4		0.07			0.04	0.59	0.65	42.	40.	
4	1	1987	N	C8	930	4.6	4.5	4.1	27.1	27.	26.7	34.	31.5	26.5	25.5	20.	26.	7.3		0.21			0.33	0.19	0.07	47.	46.	
4	1	1987	N	E1	930	4.	3.	2.7	27.1	26.7	26.6					24.	26.	7.2		0.23			0.28	0.28	0.16	40.	43.	
4	1	1987	N	E2	945	5.5	3.5	2.4	26.8	26.6	26.6					36.	32.	7.8		0.06			0.02	1.23	0.78	20.	19.	
4	1	1987	N	E3	945	3.6	1.4	0.7	27.1	26.6	26.5	31.5	29.5	26.	26.5	40.	48.	7.1		0.17			0.03	1.46	0.8	20.	20.	

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
4	1	1987	N	E4	945	5.	4.1	3.6	26.8	26.5	26.4					24.	34.	6.5		0.16			0.08	0.37	0.08	35.	39.
4	1	1987	N	INLET	945		5.3			25.7						24.	24.	7.4		0.18			0.72	0.18	0.08		
4	1	1987	Y	CL.BD	1000		3.6			26.9						42.	42.	7.2		0.09			0.11	0.08	0.		
11	1	1987	N	C1	900	9.1	7.8	4.9	28.4	28.1	28.					34.	44.	7.8		0.03			0.02		0.03	38.	38.
11	1	1987	N	C2	900	8.9	7.	4.1	28.9	28.7	28.6	32.5	30.5	26.	26.5	29.	34.	8.1		0.01			0.01		0.08	45.	45.
11	1	1987	N	C3	900	10.1	5.9	5.	28.7	28.4	28.3					30.	28.	8.3		0.01			0.01		0.08	39.	37.
11	1	1987	N	C4	915	10.2	6.2	4.9	29.1	28.7	28.6					45.	34.	8.		0.02			0.02		0.14	25.	25.
11	1	1987	N	C5	915	6.8	5.1	4.6	28.8	28.6	28.3					29.	48.	8.5		0.03			0.02		0.22	36.	37.
11	1	1987	N	C6	915	9.4	7.9	4.7	28.8	28.5	28.4					25.	44.	8.5		0.02			0.06		0.04	47.	45.
11	1	1987	N	C7	930	10.	7.6	6.7	29.4	28.9	28.7					33.	30.	8.5		0.02			0.01		0.24	50.	49.
11	1	1987	N	C8	930	7.6	6.5	4.7	29.	28.9	28.9	32.5	31.	28.	26.	23.	32.	8.		0.05			0.35		0.01	59.	59.
11	1	1987	N	E1	930	7.4	6.6	4.5	29.1	28.8	28.6					21.	28.	7.9		0.05			0.34		0.02	48.	45.
11	1	1987	N	E2	945	10.8	5.4	3.8	29.3	28.7	28.6					33.	40.	8.1		0.02			0.02		0.68	35.	33.
11	1	1987	N	E3	945	10.4	7.3	4.3	29.2	28.9	28.8	31.5	32.	26.	26.5	39.	54.	8.6		0.01			0.02		0.55	36.	35.
11	1	1987	N	E4	945	7.5	6.2	5.4	29.1	28.6	28.5					22.	34.	8.8		0.01			0.02		0.	40.	40.
11	1	1987	N	INLET	945		5.4			27.8						23.	28.	7.9		0.29			0.52		0.01		
11	1	1987	Y	CL.BD	1000		2.1			27.2						36.	36.	7.5		0.			0.02		0.		
18	1	1987	N	C1	900	5.	4.7	4.2	26.5	26.4	26.3					29.	36.	7.3	0.89	0.05			0.07	0.54	0.2	35.	34.
18	1	1987	N	C2	900	4.7	4.5	4.4	26.8	26.7	26.7	33.	30.	25.	26.5	28.	30.	7.5	0.27	0.1			0.07	0.58	0.37	45.	42.
18	1	1987	N	C3	900	5.8	4.1	3.3	26.2	26.	25.9					24.	36.	6.9	0.91	0.11			0.13	0.55	0.27	25.	25.
18	1	1987	N	C4	915	5.8	3.6	2.2	26.2	25.9	25.8					28.	32.	6.5	1.56	0.13			0.22	1.08	0.38	27.	25.
18	1	1987	N	C5	915	4.6	4.1	3.5	26.9	26.8	26.7					29.	22.	6.9	1.99	0.11			0.06	0.98	0.43	35.	37.
18	1	1987	N	C6	915	5.1	4.4	4.	26.7	26.6	26.5					25.	20.	7.	0.58	0.16			0.24	0.43	0.18	45.	45.
18	1	1987	N	C7	930	5.7	4.7	4.	27.2	27.	26.9					32.	40.	7.2	1.22	0.05			0.02	0.81	0.4	42.	44.
18	1	1987	N	C8	930	4.4	4.1	4.1	26.8	26.5	26.4	32.5	31.5	26.	25.5	22.	22.	7.1	0.56	0.14			0.33	0.34	0.11	60.	60.
18	1	1987	N	E1	930	4.6	4.	3.8	26.8	26.6	26.5					22.	26.	7.	0.7	0.27			0.31	0.39	0.11	55.	56.
18	1	1987	N	E2	945	4.5	3.9	3.3	26.9	26.7	26.6					34.	54.	7.1	2.36	0.06			0.01	1.83	0.78	39.	40.
18	1	1987	N	E3	945	4.7	4.1	3.6	27.	26.8	26.6	33.	33.	25.5	26.	38.	46.	7.5	2.19	0.04			0.03	1.78	0.72	35.	35.
18	1	1987	N	E4	945	3.8	3.7	3.4	26.9	26.7	26.3					20.	24.	7.4	0.78	0.16			0.13	0.34	0.11	37.	35.
18	1	1987	N	INLET	945		3.5			25.5						21.	30.	6.8	0.29	0.18			0.39	0.34	0.06		
18	1	1987	Y	CL.BD	1000		2.9			25.8						33.	38.	6.8	0.45	0.02			0.04	0.18	0.06		
25	1	1987	N	C1	900	5.6	5.	4.8	27.7	27.8	27.8					31.	28.	7.6	1.47	0.09			0.08	0.34	0.2	35.	35.
25	1	1987	N	C2	900	4.5	3.6	3.4	28.2	28.3	28.3	33.	30.5	25.	27.	34.	34.	7.5	2.25	0.11			0.09	0.45	0.26	45.	46.
25	1	1987	N	C3	900	6.6	6.4	5.4	27.7	27.8	27.8					31.	40.	8.	0.71	0.04			0.1	0.35	0.17	32.	33.
25	1	1987	N	C4	915	4.4	4.4	4.4	27.6	27.6	27.6					30.	38.	7.5	2.11	0.05			0.36	0.4	0.2	39.	38.
25	1	1987	N	C5	915	4.8	4.2	3.8	27.9	27.9	27.9					32.	34.	7.3	0.79	0.05			0.05	0.57	0.49	40.	40.
25	1	1987	N	C6	915	5.9	5.2	4.6	27.6	27.6	27.6					29.	34.	7.9	2.6	0.07			0.12	0.19	0.32	41.	42.
25	1	1987	N	C7	930	5.8	4.8	4.2	27.6	27.6	27.6					35.	46.	8.3	1.82	0.07			0.07	0.74	0.58	30.	31.
25	1	1987	N	C8	930	5.	4.7	4.3	27.7	27.8	27.8	30.5		26.	26.	26.	40.	7.5		0.13			0.44	0.26	0.14	50.	52.
25	1	1987	N	E1	930	3.1	2.9	2.8	27.9	27.9	27.9					25.	34.	7.2		0.38			0.47	0.52	0.17	51.	50.
25	1	1987	N	E2	945	4.6	4.4	4.3	28.3	28.3	28.2					35.	28.	7.4	3.11	0.09			0.11	1.4	0.76	30.	30.
25	1	1987	N	E3	945	4.7	3.8	3.3	28.2	28.1	28.1	30.5			26.	40.	36.	7.5	2.06	0.13			0.1	1.19	0.78	35.	36.
25	1	1987	N	E4	945	4.5	3.9	3.4	27.9	27.9	27.8					21.	46.	7.4	0.62	0.16			0.13	0.45	0.22	25.	25.
25	1	1987	N	INLET	945		5.3			25.7						24.	52.	6.9	0.41	0.18			0.53	0.23	0.14		
25	1	1987	Y	CL.BD	1000		1.5			26.2						40.	50.	6.8	0.	0.02			0.06	0.14	0.1		

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
1	2	1987	N	C1	900	5.4	4.5	4.3	28.3	28.2	28.1					32.	26.	7.4	0.81	0.15			0.05	0.3	0.15	40.	40.
1	2	1987	N	C2	900	4.6	4.2	3.4	28.8	28.8	28.7	33.5	30.	24.5	27.	32.	30.	7.4	0.34	0.1			0.06	0.32	0.13	44.	45.
1	2	1987	N	C3	900	6.4	5.5	4.1	28.4	28.2	28.1					31.	22.	8.3	0.73	0.07			0.05	0.32	0.15	31.	30.
1	2	1987	N	C4	915	5.4	5.4	5.1	28.6	28.5	28.4					31.	28.	8.3	1.46	0.1			0.06	0.38	0.16	40.	40.
1	2	1987	N	C5	915	6.1	4.1	3.6	28.8	28.5	28.5					28.	22.	8.	1.34	0.06			0.04	0.43	0.2	39.	40.
1	2	1987	N	C6	915	7.4	6.	5.9	28.3	28.1	28.					28.	20.	8.4	0.66	0.07			0.07	0.21	0.12	35.	35.
1	2	1987	N	C7	930	7.8	6.	5.1	28.2	27.9	27.8					31.	26.	8.3	0.83	0.04			0.05	0.53	0.33	27.	25.
1	2	1987	N	C8	930	6.1	5.6	5.	28.5	28.4	28.4	31.5	32.	26.	25.	24.	26.	7.8	0.38	0.07			0.11	0.15	0.1	50.	50.
1	2	1987	N	E1	930	4.6	4.3	3.5	28.3	28.2	28.					23.	20.	7.5	0.37	0.11			0.12	0.17	0.1	45.	44.
1	2	1987	N	E2	945	5.4	3.1	3.1	29.1	28.9	28.9					31.	30.	8.	2.42	0.06			0.05	1.12	0.59	30.	29.
1	2	1987	N	E3	945	5.7	3.1	2.4	28.8	28.8	28.6	34.5	31.5	25.	27.	37.	30.	8.3	2.29	0.04			0.04	0.78	0.38	35.	35.
1	2	1987	N	E4	945	5.5	4.6	3.8	28.5	28.2	28.					20.	20.	8.	0.41	0.08			0.07	0.25	0.18	24.	25.
1	2	1987	N	INLET	945		4.6			26.1						24.	22.	7.2	0.46	0.15			0.15	0.18	0.1		
1	2	1987	Y	CL.BD	1000		3.4			27.7						37.	28.	7.2	0.52	0.08			0.07	0.1	0.		
8	2	1987	N	C1	900	3.5	3.4	3.1	25.6	25.7	25.7					30.	56.	7.3	1.47	0.07			0.05	0.29	0.09	36.	35.
8	2	1987	N	C2	900	3.3	3.	2.8	25.9	26.	26.	33.	30.5	25.	26.	31.	40.	7.3	1.51	0.02			0.05	0.42	0.23	38.	38.
8	2	1987	N	C3	900	3.8	3.4	2.8	25.6	25.6	25.7					28.	36.	7.6	1.09	0.05			0.07	0.28	0.13	27.	25.
8	2	1987	N	C4	915	2.9	2.5	1.7	26.3	26.3	26.3					35.	46.	7.4	2.33	0.09			0.05	0.62	0.39	32.	33.
8	2	1987	N	C5	915	3.	2.4	2.	26.3	26.3	26.3					28.	32.	7.6	1.73	0.16			0.06	0.37	0.24	36.	35.
8	2	1987	N	C6	915	5.2	4.6	4.4	25.9	25.9	25.7					26.	40.	8.6	1.01	0.			0.12	0.2	0.07	27.	26.
8	2	1987	N	C7	930	5.8	5.5	5.4	26.1	26.	25.8					29.	20.	8.4	1.02	0.			0.03	0.45	0.33	35.	35.
8	2	1987	N	C8	930	5.8	4.9	4.4	26.1	25.8	25.8	33.	32.5	25.5	25.5	25.	48.	7.5	0.83	0.04			0.14	0.16	0.12	34.	32.
8	2	1987	N	E1	930	4.7	4.3	3.8	25.9	25.8	25.8					15.	30.	7.2	1.53	0.06			0.15	0.16	0.07	35.	35.
8	2	1987	N	E2	945	5.4	4.4	3.8	26.4	26.4	26.3					33.	36.	7.1	4.02	0.01			0.01	0.95	0.72	24.	25.
8	2	1987	N	E3	945	5.2	3.6	3.5	26.4	26.4	26.3	33.5	31.5	24.	26.	34.	56.	7.5	2.64	0.			0.01	0.8	0.55	26.	26.
8	2	1987	N	E4	945	6.	5.1	4.4	26.	25.8	25.8					17.	30.	7.4	0.88	0.03			0.08	0.23	0.07	25.	25.
8	2	1987	N	INLET	945		4.9			24.2						23.	20.	7.	0.26	0.06			0.22	0.37	0.06		
8	2	1987	Y	CL.BD	1000		5.6			26.1						23.	32.	7.2		0.			0.06	0.01	0.01		
15	2	1987	N	C1	900	5.4	5.	4.4	28.7	28.7	28.6					28.	22.	6.8	1.56	0.06			0.12	0.3	0.12	40.	40.
15	2	1987	N	C2	900	6.	4.3	3.9	29.2	29.1	29.	33.5	31.	25.	25.5	32.	28.	7.	1.85	0.04			0.02	0.56	0.37	43.	44.
15	2	1987	N	C3	900	4.5	4.2	4.	28.5	28.5	28.4					27.	20.	6.8	0.93	0.05			0.1	0.2	0.07	37.	36.
15	2	1987	N	C4	915	4.5	3.	2.8	29.2	29.1	29.					40.	36.	7.1	3.04	0.08			0.03	0.56	0.27	35.	35.
15	2	1987	N	C5	915	3.9	2.4	1.8	29.1	29.	28.9					31.	26.	6.7	2.37	0.15			0.12	0.46	0.24	35.	35.
15	2	1987	N	C6	915	5.3	4.9	4.8	28.7	28.5	28.3					28.	26.	7.5	0.82	0.02			0.07	0.22	0.09	37.	37.
15	2	1987	N	C7	930	5.4	5.	3.8	29.1	28.8	28.6					32.	30.	7.1	1.87	0.02			0.05	0.62	0.44	49.	50.
15	2	1987	N	C8	930	9.1	8.2	7.5	29.1	28.8	28.5	33.5	32.	26.	25.	28.	20.	8.7	1.27	0.06			0.04	0.18	0.03	36.	35.
15	2	1987	N	E1	930	6.3	5.5	5.2	29.1	29.	28.7					24.	22.	6.6	0.75	0.06			0.28	0.4	0.05	52.	53.
15	2	1987	N	E2	945	6.4	3.8	3.2	29.9	29.5	29.3					32.	24.	6.8		0.03			0.01	0.95	0.64	29.	28.
15	2	1987	N	E3	945	7.8	3.8	3.5	29.4	29.1	29.	33.	30.5	25.	26.	38.	38.	7.3	2.75	0.01			0.02	0.88	0.58	32.	32.
15	2	1987	N	E4	945	9.4	6.8	6.6	28.8	28.5	28.5					23.	24.	8.3	1.67	0.04			0.11	0.31	0.26	25.	24.
15	2	1987	N	INLET	945		4.6			27.4						25.	24.	6.4	1.1	0.07			0.3	0.38	0.05		
15	2	1987	Y	CL.BD	1000		2.			29.6						32.	36.	6.4	2.19	0.02			0.14	0.14	0.03		
22	2	1987	N	C1	900	6.1	4.	3.6	27.4	27.4	27.3					28.	46.	6.9	1.34	0.16			0.29	0.39	0.17	43.	45.
22	2	1987	N	C2	900	4.3	2.7	2.2	27.7	27.5	27.4	34.	31.	25.	25.5	34.	42.	7.	2.15	0.26			0.22	0.85	0.55	41.	40.
22	2	1987	N	C3	900	5.1	3.9	3.6	27.5	27.3	27.1					25.	36.	7.2	1.11	0.31			0.17	0.26	0.09	45.	45.

TABLE 4. Weekly and Twice Weekly Measurements. Bogor, Indonesia, Cycle 3, 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
22	2	1987	N	C4	915	4.6	2.1	1.9	28.1	27.8	27.7					40.	52.	7.3	3.24	0.26			0.19	0.83	0.49	40.	40.
22	2	1987	N	C5	915	4.8	1.8	1.6	28.4	27.8	27.5					33.	42.	7.1	2.85	0.24			0.12	0.47	0.19	39.	40.
22	2	1987	N	C6	915	4.2	3.4	2.9	27.9	27.4	27.1					26.	34.	7.1	0.9	0.24			0.15	0.48	0.07	35.	35.
22	2	1987	N	C7	930	5.2	3.2	2.3	28.1	27.7	27.5					32.	38.	7.2	1.54	0.15			0.09	0.23	0.56	52.	50.
22	2	1987	N	C8	930	2.5	2.3	2.1	27.8	27.4	27.2	33.5	32.	26.	25.5	28.	52.	6.9	0.77	0.21			0.14	0.2	0.1	42.	41.
22	2	1987	N	E1	930	4.4	3.7	3.	28.2	27.5	27.2					23.	54.	6.8	0.76	0.13			0.22	0.25	0.11	45.	43.
22	2	1987	N	E2	945	7.	2.1	2.	28.5	27.8	27.8					33.	38.	7.1	3.46	0.25			0.07	0.99	0.93	29.	30.
22	2	1987	N	E3	945	6.1	3.	2.3	28.2	27.9	27.6	33.5	31.5	25.	27.	36.	42.	7.2	2.71	0.13			0.1	0.94	0.57	40.	40.
22	2	1987	N	E4	945	6.8	5.4	4.5	27.5	27.1	26.7					23.	38.	8.2	1.88	0.06			0.07	0.45	0.2	25.	25.
22	2	1987	N	INLET	945		2.8			24.5						24.	50.	6.7	0.94	0.22			0.22	0.2	0.07		
22	2	1987	Y	CL.BD	1000		4.2			27.6						19.	26.	6.7	0.96	0.05			0.14	0.06	0.		
1	3	1987	N	C1	900	4.	2.4	2.1	27.6	27.3	27.2					26.	18.	6.9	1.71	0.22			0.25	0.3	0.09	40.	39.
1	3	1987	N	C2	900	3.6	2.3	1.8	27.7	27.5	27.4	33.	30.	25.	26.5	30.	30.	7.1	1.77	0.21			0.07	0.38	0.18	40.	40.
1	3	1987	N	C3	900	3.5	3.	2.8	27.5	27.5	27.2					24.	22.	7.1	1.03	0.14			0.09	0.18	0.04	45.	45.
1	3	1987	N	C4	915	4.	2.2	2.1	27.8	27.7	27.4					33.	28.	7.2	2.81	0.18			0.1	0.5	0.15	32.	30.
1	3	1987	N	C5	915	3.9	1.3	1.1	28.1	27.8	27.7					29.	24.	7.	2.49	0.31			0.08	0.42	0.09	34.	35.
1	3	1987	N	C6	915	4.4	3.5	3.1	27.5	27.3	27.2					27.	24.	7.1	0.99	0.15			0.2	0.18	0.04	35.	35.
1	3	1987	N	C7	930	5.	4.3	3.7	28.2	28.	27.9					28.	20.	7.3	1.53	0.24			0.08	0.41	0.2	48.	47.
1	3	1987	N	C8	930	3.9	2.9	2.7	27.6	27.5	27.3	34.	32.5	25.5	25.	29.	30.	7.	0.83	0.19			0.24	0.13	0.04	47.	45.
1	3	1987	N	E1	930	4.8	4.2	3.5	27.6	27.5	27.3					23.	20.	7.	0.94	0.15			0.21	0.14	0.04	50.	50.
1	3	1987	N	E2	945	5.6	3.1	2.4	27.8	27.7	27.4					29.	22.	6.9	2.65	0.17			0.13	0.61	0.25	28.	29.
1	3	1987	N	E3	945	6.3	4.	3.4	28.3	27.8	27.7	33.5	32.	25.	26.	34.	32.	7.2	2.68	0.09			0.07	0.45	0.23	30.	32.
1	3	1987	N	E4	945	5.8	4.2	3.9	27.4	26.8	26.6					24.	22.	7.6	1.66	0.08			0.07	0.24	0.08	25.	25.
1	3	1987	N	INLET	945		4.3			26.3						26.	24.	7.	0.83	0.18			0.33	0.2	0.05		
1	3	1987	Y	CL.BD	1000		4.8			28.2						29.	28.	6.7	0.92	0.06			0.03	0.13	0.		
8	3	1987	N	C1	900	4.5	3.6	3.5	29.1	29.1	29.1					27.	20.	7.1	1.54	0.22			0.13	0.73	0.14	40.	42.
8	3	1987	N	C2	900	3.8	2.5	2.	29.3	29.3	29.	33.5	31.	25.	26.5	29.	28.	7.1	2.17	0.21			0.09	0.83	0.29	35.	35.
8	3	1987	N	C3	900	4.1	3.3	3.	29.1	28.9	28.9					24.	40.	7.2	1.15	0.21			0.13	0.58	0.07	39.	40.
8	3	1987	N	C4	915	4.3	2.8	2.3	29.9	29.8	29.8					35.	28.	7.4	2.89	0.14			0.08	1.05	0.41	30.	31.
8	3	1987	N	C5	915	4.1	1.9	1.5	30.1	29.7	29.7					33.	28.	7.1	2.69	0.09			0.09	0.64	0.17	35.	36.
8	3	1987	N	C6	915	6.2	4.7	4.1	29.6	29.4	29.2					26.	22.	7.2	1.04	0.15			0.14	0.5	0.09	40.	40.
8	3	1987	N	C7	930	5.	4.1	3.8	30.4	30.3	30.					28.	18.	7.4	1.74	0.13			0.09	0.71	0.25	50.	49.
8	3	1987	N	C8	930	4.3	3.8	3.6	29.7	29.5	29.4	34.	32.5	26.	25.	26.	30.	7.2	0.78	0.14			0.22	0.17	0.05	55.	54.
8	3	1987	N	E1	930	5.2	3.8	3.5	30.2	29.6	29.2					23.	24.	7.3	0.85	0.08			0.13	0.25	0.1	38.	37.
8	3	1987	N	E2	945	6.6	3.2	2.5	30.4	29.7	29.7					28.	30.	7.1	2.85	0.14			0.08	1.2	0.45	23.	22.
8	3	1987	N	E3	945	4.9	3.2	2.7	30.2	29.9	29.8	34.5	33.	25.	26.5	34.	28.	7.1	2.22	0.12			0.09	0.73	0.45	35.	35.
8	3	1987	N	E4	945	5.1	4.7	4.6	29.6	29.2	29.2					24.	22.	7.2	0.96	0.18			0.12	0.17	0.04	45.	45.
8	3	1987	N	INLET	945		3.9			29.8						21.	20.	6.8	1.1	0.27			0.23	0.6	0.16		
8	3	1987	Y	CL.BD	1000		5.			25.7						21.	18.	7.	0.66	0.06			0.06	0.15	0.		

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
15	5	1986	600	C1	4.3	3.8	3.5	28.1	28.2	28.2	8.4
15	5	1986	600	C2	4.3	4.	4.	28.2	28.	28.	8.4
15	5	1986	600	C3	3.4	3.2	2.9	28.4	28.4	28.5	7.7
15	5	1986	600	C4	1.9	1.3	1.3	29.	29.	29.	8.3
15	5	1986	600	C5	1.8	1.7	1.7	29.2	29.3	29.3	7.
15	5	1986	600	C6	5.1	5.	5.	28.6	28.6	28.6	8.3
15	5	1986	600	C7	4.	3.9	3.9	28.6	28.6	28.6	8.1
15	5	1986	600	C8	4.5	4.4	4.3	29.2	29.2	29.2	7.6
15	5	1986	600	E1	6.5	6.1	5.9	28.8	28.8	28.8	8.1
15	5	1986	600	E2	5.3	5.	5.	29.	29.	29.	8.4
15	5	1986	600	E3	4.9	4.4	4.5	28.6	28.6	28.6	8.4
15	5	1986	600	E4	5.4	5.2	5.2	28.6	28.6	28.5	8.7
15	5	1986	600	INLET		4.7			25.6		8.4
15	5	1986	1200	C1	11.5	4.8	3.2	30.2	29.2	28.6	9.1
15	5	1986	1200	C2	13.4	7.5	4.5	30.8	29.	28.4	9.
15	5	1986	1200	C3	9.5	6.5	2.8	30.8	30.1	29.	8.8
15	5	1986	1200	C4	13.8	7.9	1.7	31.5	29.5	29.3	9.2
15	5	1986	1200	C5	8.5	6.9	3.4	32.5	30.9	30.1	8.3
15	5	1986	1200	C6	11.5	9.	5.7	31.1	30.2	29.1	9.
15	5	1986	1200	C7	13.6	7.5	4.4	31.1	29.7	29.1	9.
15	5	1986	1200	C8	7.	6.6	6.2	30.9	30.7	30.5	8.2
15	5	1986	1200	E1	10.7	10.4	9.1	31.2	30.8	30.2	9.
15	5	1986	1200	E2	17.5	9.8	6.6	31.7	30.1	29.3	9.2
15	5	1986	1200	E3	16.3	8.2	2.6	31.1	29.9	29.1	9.1
15	5	1986	1200	E4	16.2	9.2	5.6	30.8	29.4	28.9	9.3
15	5	1986	1200	INLET		4.4			30.5		6.5
15	5	1986	1800	C1	13.8	12.2	4.6	31.7	31.6	30.2	8.8
15	5	1986	1800	C2	15.8	12.4	3.1	31.6	30.7	28.9	8.9
15	5	1986	1800	C3	10.7	9.6	3.4	31.1	31.2	30.	8.7
15	5	1986	1800	C4	16.8	9.3	2.9	32.1	30.9	30.	9.4
15	5	1986	1800	C5	11.1	7.6	2.8	32.1	31.7	30.8	8.7
15	5	1986	1800	C6	14.	9.2	5.	31.8	30.8	29.6	9.3
15	5	1986	1800	C7	14.4	10.4	3.	31.8	31.	29.3	9.1
15	5	1986	1800	C8	8.8	7.5	5.8	31.6	31.7	31.2	8.5
15	5	1986	1800	E1	12.1	12.1	10.1	31.6	31.6	31.6	9.1
15	5	1986	1800	E2	16.6	11.4	6.5	31.9	31.2	30.4	9.4
15	5	1986	1800	E3	16.1	11.	3.2	31.7	31.2	29.7	9.3
15	5	1986	1800	E4	15.	8.	5.2	31.6	31.	29.4	9.3
15	5	1986	1800	INLET		2.9			28.9		5.1
16	5	1986	0	C1	8.8	8.6	6.2	29.9	30.1	30.	8.9
16	5	1986	0	C2	9.8	8.8	3.7	29.7	29.7	29.3	9.
16	5	1986	0	C3	5.7	5.5	5.4	29.8	29.8	29.8	8.6
16	5	1986	0	C4	8.4	8.1	1.1	30.3	30.4	30.2	9.2
16	5	1986	0	C5	4.7	4.7	4.6	30.5	30.6	30.6	7.9

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, 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
16	5	1986	0	C6	8.3	8.2	7.	29.8	29.9	29.9	9.
16	5	1986	0	C7	8.9	8.5	3.	29.9	30.	29.9	9.
16	5	1986	0	C8	5.7	5.7	5.7	30.4	30.5	30.5	7.9
16	5	1986	0	E1	8.	7.9	8.	30.1	30.3	30.3	8.4
16	5	1986	0	E2	9.4	9.4	8.4	30.1	30.2	30.2	9.1
16	5	1986	0	E3	8.9	8.9	8.4	29.7	29.9	29.9	8.8
16	5	1986	0	E4	9.	9.	5.2	29.7	29.8	29.8	9.3
16	5	1986	0	INLET		4.1			27.1		6.9
16	5	1986	600	C1	5.1	5.1	5.1	28.5	28.7	28.8	8.4
16	5	1986	600	C2	5.	4.9	4.9	28.2	28.2	28.3	8.4
16	5	1986	600	C3	3.9	3.9	3.8	28.5	28.6	28.6	7.8
16	5	1986	600	C4	2.6	2.4	2.4	28.7	28.9	28.9	8.4
16	5	1986	600	C5	2.8	2.8	2.7	29.2	29.3	29.3	7.3
16	5	1986	600	C6	5.4	5.3	5.2	28.6	28.7	28.7	8.5
16	5	1986	600	C7	4.6	4.5	4.4	28.7	28.7	28.7	8.4
16	5	1986	600	C8	4.8	4.8	4.8	29.2	29.2	29.2	7.5
16	5	1986	600	E1	6.4	6.2	6.1	28.9	28.9	28.9	7.7
16	5	1986	600	E2	6.5	6.5	6.4	28.9	28.9	28.8	8.8
16	5	1986	600	E3	5.	5.	4.9	28.4	28.5	28.5	8.4
16	5	1986	600	E4	6.	6.	6.1	28.4	28.4	28.4	8.8
16	5	1986	600	INLET		4.2			24.8		6.2
19	6	1986	600	C1	3.7	3.5	3.4	27.5	27.4	27.5	6.6
19	6	1986	600	C2	3.	3.	3.	27.5	27.5	27.5	6.7
19	6	1986	600	C3	2.8	2.7	2.6	27.	27.	27.	6.3
19	6	1986	600	C4	1.5	1.4	1.4	27.5	27.6	27.6	7.
19	6	1986	600	C5	3.4	3.3	3.2	27.8	27.9	27.9	6.8
19	6	1986	600	C6	5.5	5.5	5.5	27.3	27.3	27.4	6.9
19	6	1986	600	C7	5.3	5.3	5.3	27.3	27.4	27.4	7.6
19	6	1986	600	C8	6.5	6.5	6.5	27.5	27.7	27.7	7.
19	6	1986	600	E1	4.5	4.5	4.4	27.2	27.4	27.4	6.9
19	6	1986	600	E2	1.5	1.5	1.4	27.8	27.8	27.8	6.8
19	6	1986	600	E3	2.6	2.6	2.5	27.8	27.8	27.8	6.8
19	6	1986	600	E4	4.5	4.5	4.4	27.5	27.5	27.5	7.
19	6	1986	600	INLET		5.1			24.5		6.6
19	6	1986	1200	C1	8.7	5.6	3.4	29.3	28.5	27.9	7.6
19	6	1986	1200	C2	8.4	6.3	3.1	29.7	28.6	27.9	8.
19	6	1986	1200	C3	4.4	2.7	2.	28.8	27.8	27.2	6.8
19	6	1986	1200	C4	15.1	4.3	1.8	30.7	28.2	27.8	8.8
19	6	1986	1200	C5	9.2	7.6	5.1	30.3	29.3	28.5	7.2
19	6	1986	1200	C6	9.2	8.6	7.	30.8	28.8	27.8	7.6
19	6	1986	1200	C7	14.6	9.	5.8	30.	28.4	27.6	8.6
19	6	1986	1200	C8	12.6	11.6	10.6	30.3	28.9	28.3	8.4
19	6	1986	1200	E1	9.5	7.3	6.2	30.	28.8	28.3	7.5
19	6	1986	1200	E2	10.7	6.8	5.1	31.6	29.2	28.7	8.1
19	6	1986	1200	E3	12.5	7.4	4.7	31.1	29.6	28.6	8.

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
19	6	1986	1200	E4	10.3	8.4	6.4	30.8	29.	28.	8.2
19	6	1986	1200	INLET		4.2			28.5		6.6
19	6	1986	1800	C1	10.6	7.2	3.3	29.9	29.8	28.7	8.1
19	6	1986	1800	C2	11.2	5.8	3.5	30.2	29.6	28.7	8.2
19	6	1986	1800	C3	7.7	2.5	1.4	29.8	28.8	27.8	6.8
19	6	1986	1800	C4	16.1	4.9	2.	30.3	29.3	28.5	8.8
19	6	1986	1800	C5	11.3	7.9	4.6	30.9	29.9	29.6	7.9
19	6	1986	1800	C6	10.6	8.6	7.	30.4	29.8	28.5	8.
19	6	1986	1800	C7	12.	7.6	4.4	30.8	27.9	27.4	8.6
19	6	1986	1800	C8	14.8	13.4	11.8	30.7	30.4	29.	8.6
19	6	1986	1800	E1	7.1	5.8	4.3	30.3	30.2	29.1	7.5
19	6	1986	1800	E2	13.2	6.7	5.4	30.7	30.	29.4	8.2
19	6	1986	1800	E3	12.5	8.3	4.8	30.3	30.3	29.5	8.
19	6	1986	1800	E4	11.	8.6	6.1	30.2	29.9	29.	8.2
19	6	1986	1800	INLET		2.7			28.7		7.3
20	6	1986	0	C1	5.6	5.7	5.6	28.8	28.9	28.9	7.4
20	6	1986	0	C2	5.2	5.2	5.1	28.8	28.8	28.9	7.5
20	6	1986	0	C3	4.1	4.	3.6	28.1	28.2	28.2	6.8
20	6	1986	0	C4	6.9	6.5	1.9	28.9	28.9	28.9	8.1
20	6	1986	0	C5	6.4	6.4	6.4	29.3	29.3	29.3	7.
20	6	1986	0	C6	7.8	7.5	6.1	28.8	28.8	28.7	7.3
20	6	1986	0	C7	11.3	6.4	4.	28.9	29.	29.	8.2
20	6	1986	0	C8	11.8	11.8	9.	29.2	29.3	29.1	8.2
20	6	1986	0	E1	6.4	6.4	6.3	29.1	29.1	29.1	6.9
20	6	1986	0	E2	5.9	5.9	5.8	29.2	29.3	29.3	7.2
20	6	1986	0	E3	5.9	5.9	5.9	29.2	29.3	29.3	7.2
20	6	1986	0	E4	6.9	6.9	6.8	29.	29.1	29.1	7.6
20	6	1986	0	INLET		2.8			26.9		6.8
20	6	1986	600	C1	4.5	4.5	4.5	28.	28.1	28.1	7.
20	6	1986	600	C2	3.8	3.8	3.7	28.1	28.1	28.1	7.
20	6	1986	600	C3	3.	3.	2.9	27.4	27.5	27.5	6.7
20	6	1986	600	C4	3.5	3.5	3.4	28.1	28.1	28.2	7.3
20	6	1986	600	C5	4.9	4.9	4.9	28.5	28.5	28.5	6.7
20	6	1986	600	C6	6.3	6.3	6.3	28.1	28.1	28.1	6.8
20	6	1986	600	C7	6.9	6.9	6.8	27.9	28.	28.	7.9
20	6	1986	600	C8	10.1	10.1	10.1	28.4	28.4	28.4	7.8
20	6	1986	600	E1	5.4	5.4	5.2	28.3	28.3	28.3	6.9
20	6	1986	600	E2	3.7	3.7	3.5	28.5	28.6	28.6	6.8
20	6	1986	600	E3	4.1	4.	4.	28.5	28.5	28.6	6.8
20	6	1986	600	E4	5.8	5.7	5.6	28.2	28.3	28.3	7.1
20	6	1986	600	INLET		4.8			25.5		6.7
17	7	1986	600	C1	5.	5.2	4.9	27.4	27.4	27.4	6.7
17	7	1986	600	C2	4.5	4.6	4.9	27.3	27.3	27.3	6.8
17	7	1986	600	C3	4.8	5.4	5.1	27.2	27.3	27.3	6.6
17	7	1986	600	C4	4.7	4.8	4.8	27.4	27.5	27.5	7.1

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, 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
17	7	1986	600	C5	4.9	4.7	4.9	27.5	27.6	27.6	6.6
17	7	1986	600	C6	8.	8.1	7.9	27.3	27.3	27.3	7.2
17	7	1986	600	C7	7.2	7.6	7.5	27.3	27.4	27.4	7.2
17	7	1986	600	C8	7.2	7.3	7.2	27.1	27.1	27.1	6.6
17	7	1986	600	E1	5.1	5.2	5.2	27.6	27.6	27.6	6.8
17	7	1986	600	E2	4.8	4.9	4.6	27.8	27.9	27.9	7.
17	7	1986	600	E3	4.7	5.	4.7	27.7	27.7	27.6	6.8
17	7	1986	600	E4	7.7	8.	7.6	27.4	27.3	27.3	7.2
17	7	1986	600	INLET		6.2			24.8		6.5
17	7	1986	1200	C1	11.4	6.8	6.7	28.9	27.7	27.5	8.1
17	7	1986	1200	C2	10.7	6.2	5.4	29.1	27.7	27.4	8.4
17	7	1986	1200	C3	9.	6.9	5.8	29.2	28.3	27.8	8.2
17	7	1986	1200	C4	15.6	7.	6.	30.1	28.	27.6	9.3
17	7	1986	1200	C5	10.1	7.9	7.	30.2	28.6	28.3	8.4
17	7	1986	1200	C6	11.4	10.3	8.2	30.	28.4	27.9	8.8
17	7	1986	1200	C7	10.8	8.6	7.6	29.8	28.7	27.9	8.8
17	7	1986	1200	C8	9.3	6.9	6.1	30.1	28.5	27.9	8.5
17	7	1986	1200	E1	9.1	8.5	7.3	30.2	29.	28.2	8.8
17	7	1986	1200	E2	14.1	8.2	6.3	30.9	29.6	28.4	9.2
17	7	1986	1200	E3	12.6	7.9	5.6	30.7	29.2	28.2	9.2
17	7	1986	1200	E4	12.3	10.9	8.8	30.5	28.3	27.7	9.
17	7	1986	1200	INLET		5.4			29.7		7.6
17	7	1986	1800	C1	8.1	6.3	7.	29.7	29.7	28.3	8.2
17	7	1986	1800	C2	9.9	5.	3.5	30.4	29.2	28.2	8.6
17	7	1986	1800	C3	11.2	6.7	5.3	29.7	29.3	28.5	8.3
17	7	1986	1800	C4	17.3	7.2	6.4	30.3	28.9	28.2	8.9
17	7	1986	1800	C5	11.8	7.2	6.4	30.4	29.5	29.	8.4
17	7	1986	1800	C6	11.8	10.6	7.6	30.6	29.8	28.6	8.5
17	7	1986	1800	C7	14.2	9.9	5.9	30.4	30.1	28.3	8.8
17	7	1986	1800	C8	11.5	7.4	6.1	30.2	29.4	28.4	8.4
17	7	1986	1800	E1	10.5	9.	7.6	30.4	30.1	29.3	8.4
17	7	1986	1800	E2	14.5	10.6	6.7	30.	30.1	29.3	9.
17	7	1986	1800	E3	13.2	9.4	6.1	30.2	30.2	29.6	8.9
17	7	1986	1800	E4	13.1	10.9	9.5	30.3	29.4	28.4	8.8
17	7	1986	1800	INLET		4.3			28.7		7.3
18	7	1986	600	C1							
18	7	1986	600	C2							
18	7	1986	600	C3							
18	7	1986	600	C4							
18	7	1986	600	C5							
18	7	1986	600	C6							
18	7	1986	600	C7							
18	7	1986	600	C8							
18	7	1986	600	CL.BD		1.2			27.2		6.4
18	7	1986	600	CL.BD							

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, 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
18	7	1986	600	E1							
18	7	1986	600	E2							
18	7	1986	600	E3							
18	7	1986	600	E4							
18	7	1986	600	INLET							
18	7	1986	1200	CL.BD		8.3			30.		8.2
18	7	1986	1800	CL.BD		7.6			30.7		7.7
18	7	1986	2400	C1	7.7	5.2	5.1	27.1	27.3	27.4	6.8
18	7	1986	2400	C2	7.6	5.2	4.4	27.5	27.3	27.2	7.
18	7	1986	2400	C3							6.8
18	7	1986	2400	C4							7.5
18	7	1986	2400	C5							7.1
18	7	1986	2400	C6							7.3
18	7	1986	2400	C7							7.6
18	7	1986	2400	C8							7.2
18	7	1986	2400	CL.BD							6.8
18	7	1986	2400	E1							7.
18	7	1986	2400	E2							7.5
18	7	1986	2400	E3							7.5
18	7	1986	2400	E4							7.8
18	7	1986	2400	INLET							6.8
14	8	1986	600	C1	5.7	5.5	5.6	27.2	27.3	27.4	6.9
14	8	1986	600	C2	4.7	4.1	3.8	27.6	27.7	27.7	6.7
14	8	1986	600	C3	5.3	5.2	5.	27.	27.1	27.1	6.8
14	8	1986	600	C4	4.8	4.8	4.8	27.6	27.6	27.7	7.6
14	8	1986	600	C5	3.5	3.2	3.1	27.9	28.2	28.2	6.8
14	8	1986	600	C6	5.8	5.8	5.7	27.9	28.	28.	7.1
14	8	1986	600	C7	5.8	5.7	5.7	27.5	27.6	27.6	7.7
14	8	1986	600	C8	6.6	6.5	6.5	27.9	28.	28.	7.3
14	8	1986	600	CL.BD		2.1			26.6		6.6
14	8	1986	600	E1	6.4	6.4	6.3	27.8	27.9	27.9	7.3
14	8	1986	600	E2	3.3	3.2	3.2	28.	28.	28.1	6.9
14	8	1986	600	E3	3.	3.	2.8	27.6	27.7	27.7	6.8
14	8	1986	600	E4	6.7	6.6	6.6	27.6	27.7	27.7	6.8
14	8	1986	600	INLET		6.5			24.1		7.2
14	8	1986	1200	C1	9.6	4.8	4.2	28.1	27.4	27.3	8.2
14	8	1986	1200	C2	7.5	4.	2.6	28.7	27.9	27.6	8.1
14	8	1986	1200	C3	8.1	4.6	3.9	28.3	27.3	27.1	8.
14	8	1986	1200	C4	13.9	4.4	3.6	28.8	27.8	27.5	9.1
14	8	1986	1200	C5	10.7	4.1	3.1	29.3	28.5	28.3	8.3
14	8	1986	1200	C6	8.7	6.6	5.	29.5	28.3	28.	8.3
14	8	1986	1200	C7	11.2	6.	4.2	29.1	27.9	27.6	8.7
14	8	1986	1200	C8	12.2	8.4	8.	29.	28.4	28.3	8.5
14	8	1986	1200	CL.BD		8.6			28.2		8.1
14	8	1986	1200	E1	8.8	7.1	6.2	28.9	28.5	28.1	8.1

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
14	8	1986	1200	E2	10.3	4.3	3.8	29.6	28.7	28.2	8.5
14	8	1986	1200	E3	10.3	4.	3.	29.3	28.5	27.9	8.
14	8	1986	1200	E4	11.1	8.6	7.1	29.2	28.3	28.	8.6
14	8	1986	1200	INLET		4.9			27.3		7.1
14	8	1986	1800	C1	15.3	5.3	3.8	29.8	28.5	27.7	9.
14	8	1986	1800	C2	13.4	4.5	2.8	29.6	28.7	28.2	8.7
14	8	1986	1800	C3	10.8	4.7	3.7	29.	28.5	27.8	8.5
14	8	1986	1800	C4	14.2	7.3	3.2	29.5	28.7	28.1	8.5
14	8	1986	1800	C5	14.7	3.8	2.6	30.1	29.6	28.9	8.8
14	8	1986	1800	C6	11.3	8.	5.1	29.9	29.5	28.7	8.6
14	8	1986	1800	C7	17.6	6.1	3.1	29.7	28.2	27.8	9.2
14	8	1986	1800	C8	12.5	10.3	8.7	29.5	29.5	29.4	8.7
14	8	1986	1800	CL.BD		6.			29.1		7.1
14	8	1986	1800	E1	9.9	7.8	7.1	29.3	29.4	29.1	8.5
14	8	1986	1800	E2	14.9	4.9	2.4	30.	29.5	28.6	8.9
14	8	1986	1800	E3	10.3	7.4	3.8	29.3	29.3	28.9	8.5
14	8	1986	1800	E4	12.4	8.8	7.4	29.6	29.4	28.4	8.8
14	8	1986	1800	INLET		1.6			28.1		7.2
15	8	1986	600	C1	5.	5.	5.	26.8	27.	27.	6.8
15	8	1986	600	C2	2.9	2.9	2.8	27.4	27.4	27.4	6.4
15	8	1986	600	C3	4.3	4.3	4.2	26.9	26.9	26.9	6.4
15	8	1986	600	C4	4.6	4.6	4.6	27.2	27.3	27.2	7.2
15	8	1986	600	C5	2.5	2.5	2.4	27.6	27.8	27.8	6.4
15	8	1986	600	C6	4.6	4.6	4.6	27.4	27.6	27.6	6.6
15	8	1986	600	C7	4.7	4.7	4.7	27.	27.2	27.2	6.9
15	8	1986	600	C8	6.1	6.	5.9	27.5	27.6	27.7	6.8
15	8	1986	600	CL.BD		0.6			26.3		
15	8	1986	600	E1	4.9	4.9	4.8	27.5	27.6	27.6	6.7
15	8	1986	600	E2	2.6	2.6	2.5	27.6	27.7	27.8	6.5
15	8	1986	600	E3	2.3	2.3	2.3	27.4	27.5	27.5	6.4
15	8	1986	600	E4	6.4	6.4	6.4	27.5	27.5	27.5	7.3
15	8	1986	600	INLET		2.9			24.3		6.4
15	8	1986	2400	C1	7.3	7.6	5.4	27.5	27.8	27.8	7.6
15	8	1986	2400	C2	5.3	5.3	5.3	28.2	28.3	28.3	7.1
15	8	1986	2400	C3	5.9	5.8	5.8	27.8	27.8	27.8	7.
15	8	1986	2400	C4	7.3	7.3	7.3	28.	28.1	28.2	7.7
15	8	1986	2400	C5	5.2	5.2	5.	28.6	28.7	28.8	6.8
15	8	1986	2400	C6	6.5	6.5	6.5	28.4	28.5	28.5	7.1
15	8	1986	2400	C7	8.8	8.5	3.5	27.9	28.	28.	7.6
15	8	1986	2400	C8	7.9	7.9	7.9	28.6	28.7	28.7	7.5
15	8	1986	2400	CL.BD		1.			27.9		6.4
15	8	1986	2400	E1	6.5	6.4	6.4	28.3	28.5	28.5	7.2
15	8	1986	2400	E2	5.1	5.	5.	28.5	28.6	28.6	7.1
15	8	1986	2400	E3	4.4	4.4	4.4	28.4	28.4	28.4	6.8
15	8	1986	2400	E4	8.1	8.1	8.1	28.4	28.5	28.5	7.9

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
15	8	1986	2400	INLET		1.1			26.3		6.6
10	9	1986	600	C1	4.3	4.2	4.2	26.	26.1	26.1	7.
10	9	1986	600	C2	4.2	4.2	4.	26.4	26.4	26.4	7.1
10	9	1986	600	C3	4.5	4.4	4.3	26.	26.1	26.1	7.2
10	9	1986	600	C4	0.7	0.6	0.6	26.1	26.2	26.2	7.2
10	9	1986	600	C5	2.	2.	2.	26.5	26.6	26.6	7.2
10	9	1986	600	C6	4.6	4.5	4.5	26.5	26.5	26.5	7.2
10	9	1986	600	C7	2.1	2.1	2.1	26.5	26.6	26.6	7.
10	9	1986	600	C8	6.4	6.4	6.4	26.3	26.3	26.3	7.4
10	9	1986	600	CL.BD		0.8			25.3		6.8
10	9	1986	600	E1	4.5	4.4	4.2	26.5	26.5	26.5	7.2
10	9	1986	600	E2	1.7	1.5	1.4	26.8	26.9	26.9	6.9
10	9	1986	600	E3	2.5	2.3	2.3	26.5	26.6	26.6	6.8
10	9	1986	600	E4	7.1	7.1	7.	25.8	25.9	25.9	8.7
10	9	1986	600	INLET		1.6			25.		6.8
10	9	1986	1200	C1	11.3	4.9	4.2	28.9	26.8	26.5	9.1
10	9	1986	1200	C2	13.4	4.7	4.4	29.5	27.3	26.8	9.3
10	9	1986	1200	C3	10.5	4.5	3.9	29.	27.1	26.6	9.1
10	9	1986	1200	C4	13.9	1.7	0.8	29.3	27.	26.6	9.4
10	9	1986	1200	C5	13.1	4.8	3.	29.7	27.3	27.	9.2
10	9	1986	1200	C6	10.1	7.9	6.6	29.5	27.5	27.3	9.1
10	9	1986	1200	C7	8.8	3.9	3.7	29.6	28.1	27.7	8.5
10	9	1986	1200	C8	10.2	8.8	8.4	29.5	27.8	27.3	8.9
10	9	1986	1200	CL.BD		12.2			28.1		9.5
10	9	1986	1200	E1	15.4	7.	5.4	29.8	27.9	27.4	9.4
10	9	1986	1200	E2	14.2	6.9	5.	30.5	28.4	28.1	9.3
10	9	1986	1200	E3	14.	7.	5.5	30.1	28.7	27.8	9.2
10	9	1986	1200	E4	15.9	9.6	7.7	29.6	26.8	26.3	9.7
10	9	1986	1200	INLET		3.7			31.		7.
10	9	1986	1800	C1	13.	5.6	4.5	30.	27.7	27.1	9.4
10	9	1986	1800	C2	14.	5.4	3.9	30.1	27.8	27.4	9.5
10	9	1986	1800	C3	12.	4.8	4.	29.7	28.9	27.4	9.3
10	9	1986	1800	C4	10.6	2.	0.9	30.	28.9	27.5	9.1
10	9	1986	1800	C5	12.6	3.5	2.5	30.9	28.3	27.4	9.3
10	9	1986	1800	C6	12.2	8.1	6.8	30.	29.	28.1	9.4
10	9	1986	1800	C7	11.	5.2	4.3	30.1	28.9	28.5	9.1
10	9	1986	1800	C8	11.1	8.6	8.1	29.9	29.2	28.2	9.2
10	9	1986	1800	CL.BD		10.7			29.2		7.2
10	9	1986	1800	E1	13.2	8.6	5.4	30.1	29.1	28.6	9.5
10	9	1986	1800	E2	12.7	5.9	4.4	30.4	29.5	28.8	9.4
10	9	1986	1800	E3	11.7	7.2	5.8	30.	29.7	29.1	9.1
10	9	1986	1800	E4	14.9	7.9	7.1	30.5	27.8	26.6	9.7
10	9	1986	1800	INLET		2.4			29.4		6.8
11	9	1986	600	C1	5.2	5.2	5.2	27.1	27.2	27.2	7.2
11	9	1986	600	C2	4.6	4.4	4.4	27.5	27.6	27.6	7.2

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
11	9	1986	600	C3	5.	5.	5.	27.2	27.3	27.3	7.4
11	9	1986	600	C4	0.5	0.5	0.5	27.4	27.4	27.4	7.2
11	9	1986	600	C5	2.7	2.7	2.7	27.4	27.5	27.5	7.3
11	9	1986	600	C6	5.4	5.4	5.4	27.6	27.7	27.7	7.3
11	9	1986	600	C7	3.4	3.3	3.2	27.8	27.9	27.9	7.1
11	9	1986	600	C8	6.1	6.1	6.1	27.7	27.7	27.7	7.5
11	9	1986	600	CL.BD		0.6			26.9		6.7
11	9	1986	600	E1	4.6	4.5	4.3	27.9	27.9	27.9	7.2
11	9	1986	600	E2	2.3	2.2	2.2	28.	28.1	28.2	7.
11	9	1986	600	E3	3.1	3.1	2.9	28.	28.1	28.1	6.9
11	9	1986	600	E4	7.7	7.7	7.7	27.	27.1	27.	9.
11	9	1986	600	INLET		1.3			26.4		6.9
11	9	1986	2400	C1	8.9	5.6	4.6	27.9	28.	27.7	7.9
11	9	1986	2400	C2	8.5	7.6	3.9	28.3	28.3	28.2	8.6
11	9	1986	2400	C3	7.2	7.1	6.3	28.1	28.1	28.1	8.4
11	9	1986	2400	C4	2.	1.9	1.	28.1	28.2	28.	7.5
11	9	1986	2400	C5	7.9	3.7	2.4	28.5	28.3	27.9	8.7
11	9	1986	2400	C6	7.7	7.7	7.7	28.3	28.4	28.4	8.2
11	9	1986	2400	C7	5.1	5.1	5.1	28.5	28.6	28.6	7.7
11	9	1986	2400	C8	8.	8.	7.8	28.4	28.4	28.5	8.3
11	9	1986	2400	CL.BD		1.2			28.1		6.7
11	9	1986	2400	E1	7.3	7.2	7.2	28.5	28.6	28.7	8.2
11	9	1986	2400	E2	5.3	5.2	5.2	28.8	28.9	28.9	7.4
11	9	1986	2400	E3	5.7	5.7	5.6	28.8	28.9	28.9	7.3
11	9	1986	2400	E4	10.2	8.4	7.2	28.1	27.9	27.4	9.4
11	9	1986	2400	INLET		1.5			27.4		7.

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
13	11	1986	600	C1	4.4	4.3	4.2	27.8	27.8	27.8	8.4
13	11	1986	600	C2	4.6	4.6	4.5	28.5	28.5	28.5	8.4
13	11	1986	600	C3	5.5	5.5	5.5	27.9	28.	28.	8.6
13	11	1986	600	C4	2.3	2.2	2.2	28.	28.	28.	8.3
13	11	1986	600	C5	4.4	4.1	3.6	28.2	28.3	28.3	7.9
13	11	1986	600	C6	6.3	6.2	6.1	28.2	28.2	28.2	8.4
13	11	1986	600	C7	4.6	4.	3.9	28.4	28.4	28.4	9.
13	11	1986	600	C8	5.	4.7	4.5	28.1	28.1	28.1	7.8
13	11	1986	600	CL.BD		3.8			27.4		7.3
13	11	1986	600	E1	4.3	4.	3.9	28.2	28.2	28.3	7.5
13	11	1986	600	E2	3.4	3.2	3.1	28.5	28.5	28.5	8.
13	11	1986	600	E3	4.1	3.	2.8	28.4	28.4	28.3	8.1
13	11	1986	600	E4	6.5	6.2	5.9	28.2	28.2	28.2	8.6
13	11	1986	600	INLET		4.9			24.7		7.2
13	11	1986	1200	C1	12.6	6.2	3.6	30.1	28.4	28.1	9.3
13	11	1986	1200	C2	14.	7.7	5.6	31.6	29.5	29.	9.2
13	11	1986	1200	C3	16.	5.5	3.6	30.5	28.8	28.2	9.5
13	11	1986	1200	C4	19.6	6.8	2.9	31.2	29.	28.6	9.9
13	11	1986	1200	C5	13.1	7.1	6.2	31.2	29.1	28.9	9.1
13	11	1986	1200	C6	11.8	10.	9.1	31.5	29.4	29.2	9.1
13	11	1986	1200	C7	10.2	7.4	6.	32.1	30.	29.5	9.3
13	11	1986	1200	C8	9.6	6.2	5.4	31.5	29.2	28.9	8.5
13	11	1986	1200	CL.BD		9.1			30.8		7.3
13	11	1986	1200	E1	6.8	5.6	4.1	31.4	29.6	29.3	8.7
13	11	1986	1200	E2	15.5	7.	5.6	32.3	29.6	29.3	9.6
13	11	1986	1200	E3	14.2	8.1	3.8	32.4	29.7	29.1	9.6
13	11	1986	1200	E4	10.5	7.3	6.5	31.8	29.9	29.5	9.2
13	11	1986	1200	INLET		3.2			32.7		7.1
13	11	1986	1800	C1	6.	4.7	3.5	29.	29.	28.8	9.1
13	11	1986	1800	C2	8.5	8.2	5.4	29.9	30.	29.6	9.1
13	11	1986	1800	C3	8.3	7.8	2.9	29.6	29.6	28.7	9.1
13	11	1986	1800	C4	7.	3.7	0.9	29.8	29.7	29.4	9.1
13	11	1986	1800	C5	7.9	6.3	3.8	29.9	29.9	29.4	9.
13	11	1986	1800	C6	6.	5.5	5.	29.9	29.9	29.9	9.
13	11	1986	1800	C7	7.2	6.9	6.8	30.	30.	30.	9.2
13	11	1986	1800	C8	6.8	6.4	4.7	29.7	29.8	29.5	8.4
13	11	1986	1800	CL.BD		5.8			29.1		7.1
13	11	1986	1800	E1	5.3	5.5	4.5	29.8	29.8	29.8	8.2
13	11	1986	1800	E2	7.1	6.3	2.8	30.	30.	29.9	8.1
13	11	1986	1800	E3	6.7	5.4	2.	29.9	29.9	29.7	9.2
13	11	1986	1800	E4	7.6	7.5	6.8	29.9	29.9	29.9	9.1
13	11	1986	1800	INLET		4.2			26.9		7.1
14	11	1986	600	C1	3.	2.9	3.	27.5	27.6	27.6	7.6
14	11	1986	600	C2	3.3	3.2	3.2	28.3	28.3	28.3	7.8

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
14	11	1986	600	C3	3.7	3.5	3.4	27.6	27.8	27.8	7.9
14	11	1986	600	C4	0.9	0.6	0.6	28.1	28.2	28.2	7.5
14	11	1986	600	C5	3.	2.9	2.8	28.2	28.2	28.2	7.5
14	11	1986	600	C6	4.7	4.8	4.7	28.5	28.6	28.6	7.9
14	11	1986	600	C7	2.1	1.8	1.7	28.4	28.5	28.5	7.8
14	11	1986	600	C8	3.6	3.1	3.	28.2	28.2	28.2	7.2
14	11	1986	600	CL.BD		3.3			27.3		6.7
14	11	1986	600	E1	3.8	3.5	3.5	28.2	28.2	28.3	7.2
14	11	1986	600	E2	1.5	1.3	1.2	28.4	28.4	28.4	7.6
14	11	1986	600	E3	0.8	0.6	0.5	28.1	28.2	28.2	7.6
14	11	1986	600	E4	4.3	4.2	4.1	28.1	28.1	28.1	7.5
14	11	1986	600	INLET		1.7			25.3		6.8
14	11	1986	2400	C1	4.8	4.6	4.6	28.3	28.3	28.3	8.4
14	11	1986	2400	C2	5.2	5.1	5.	29.2	29.2	29.2	8.5
14	11	1986	2400	C3	5.2	5.	5.	28.6	28.6	28.6	8.5
14	11	1986	2400	C4	2.1	1.9	1.9	29.	29.	29.	8.1
14	11	1986	2400	C5	4.7	4.6	4.6	29.	29.	29.1	8.2
14	11	1986	2400	C6	6.	5.9	5.9	29.3	29.3	29.3	8.5
14	11	1986	2400	C7	3.9	3.8	3.7	29.3	29.3	29.3	8.7
14	11	1986	2400	C8	5.	4.9	4.9	28.9	28.9	28.9	7.5
14	11	1986	2400	CL.BD		4.2			28.3		6.8
14	11	1986	2400	E1	4.8	4.7	4.6	29.	29.	29.1	7.4
14	11	1986	2400	E2	3.3	3.2	3.1	29.2	29.2	29.2	7.9
14	11	1986	2400	E3	1.9	1.6	1.5	29.	29.	29.	8.1
14	11	1986	2400	E4	4.2	4.	3.3	28.9	29.	29.	8.5
14	11	1986	2400	INLET		3.2			25.9		6.8
11	12	1986	600	C1	3.	3.	3.	28.5	28.6	28.6	7.8
11	12	1986	600	C2	3.9	3.8	3.8	29.1	29.1	29.2	8.1
11	12	1986	600	C3	3.4	3.4	3.3	28.6	28.7	28.7	7.6
11	12	1986	600	C4	0.5	0.4	0.4	29.1	29.1	29.1	7.2
11	12	1986	600	C5	3.9	3.6	3.3	29.1	29.2	29.2	8.1
11	12	1986	600	C6	4.2	4.1	4.1	28.8	29.	29.	7.9
11	12	1986	600	C7	3.4	3.3	3.1	29.1	29.2	29.2	7.9
11	12	1986	600	C8	4.6	4.2	4.1	29.	29.	28.9	7.7
11	12	1986	600	CL.BD		1.3			27.8		6.8
11	12	1986	600	E1	6.1	6.	5.8	28.8	28.7	28.6	8.4
11	12	1986	600	E2	1.4	1.2	1.	29.1	29.1	29.1	7.4
11	12	1986	600	E3	1.9	1.8	1.7	28.9	29.	28.9	7.5
11	12	1986	600	E4	6.	6.	6.	28.6	28.5	28.5	8.5
11	12	1986	600	INLET		5.2			25.5		7.1
11	12	1986	1200	C1	8.8	4.5	2.4	30.6	29.3	28.9	9.1
11	12	1986	1200	C2	11.5	6.8	4.9	32.	30.	29.7	9.5
11	12	1986	1200	C3	9.	5.3	3.	30.9	29.5	29.2	8.9
11	12	1986	1200	C4	14.7	6.	2.2	31.5	30.1	29.8	9.5
11	12	1986	1200	C5	15.5	8.6	5.4	31.2	30.3	29.8	9.4

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
11	12	1986	1200	C6	9.1	7.4	4.4	31.8	31.	29.5	9.3
11	12	1986	1200	C7	11.1	8.3	3.7	32.	31.	29.7	9.5
11	12	1986	1200	C8	7.	4.8	4.4	31.8	30.5	30.	8.8
11	12	1986	1200	CL.BD		7.4			32.8		7.6
11	12	1986	1200	E1	11.7	8.7	7.3	32.	29.9	29.5	9.5
11	12	1986	1200	E2	13.2	3.9	1.8	31.6	30.	29.7	9.8
11	12	1986	1200	E3	15.6	6.	2.8	31.5	29.9	29.6	9.7
11	12	1986	1200	E4	14.2	8.	5.7	30.8	29.2	28.9	9.7
11	12	1986	1200	INLET		5.1			30.3		7.7
11	12	1986	1800	C1	7.6	5.6	2.7	29.8	30.2	29.5	8.8
11	12	1986	1800	C2	8.4	8.2	7.	30.3	30.4	30.4	9.2
11	12	1986	1800	C3	6.5	6.5	4.1	29.7	29.9	29.9	8.6
11	12	1986	1800	C4	8.	8.	2.7	30.4	30.5	30.4	8.9
11	12	1986	1800	C5	10.4	9.5	4.1	30.6	30.7	30.3	9.5
11	12	1986	1800	C6	8.	7.7	3.5	30.6	30.6	30.1	9.2
11	12	1986	1800	C7	9.7	8.1	2.8	30.5	30.6	30.2	9.6
11	12	1986	1800	C8	6.2	6.2	6.	30.4	30.5	30.5	8.5
11	12	1986	1800	CL.BD		4.8			30.7		7.4
11	12	1986	1800	E1	9.1	8.4	7.9	30.1	30.2	29.8	9.4
11	12	1986	1800	E2	7.4	3.5	1.1	30.7	30.7	30.3	9.2
11	12	1986	1800	E3	8.4	7.9	5.9	30.2	30.2	30.1	9.4
11	12	1986	1800	E4	9.2	7.9	3.6	30.1	29.7	29.2	9.6
11	12	1986	1800	INLET		5.2			26.3		7.5
12	12	1986	600	C1	2.2	2.1	2.	28.2	28.2	28.2	6.9
12	12	1986	600	C2	3.	3.	2.9	28.7	28.7	28.7	7.4
12	12	1986	600	C3	3.2	3.2	3.2	28.1	28.2	28.2	7.2
12	12	1986	600	C4	0.7	0.6	0.4	28.3	28.3	28.3	7.
12	12	1986	600	C5	3.	2.8	2.5	28.6	28.6	28.6	7.7
12	12	1986	600	C6	3.5	3.5	3.5	28.7	28.7	28.7	7.7
12	12	1986	600	C7	2.	1.9	1.8	28.7	28.8	28.8	7.7
12	12	1986	600	C8	4.	3.9	4.	28.4	28.5	28.6	7.5
12	12	1986	600	CL.BD		1.7			27.8		7.
12	12	1986	600	E1	5.3	5.3	5.2	27.9	27.9	27.9	8.
12	12	1986	600	E2	1.2	0.9	0.8	28.4	28.5	28.4	7.4
12	12	1986	600	E3	1.1	1.1	1.1	28.3	28.4	28.4	7.5
12	12	1986	600	E4	5.2	5.	5.	28.	28.	27.9	8.4
12	12	1986	600	INLET		5.7			24.8		7.
12	12	1986	2400	C1	3.8	3.8	3.7	28.7	28.9	29.	7.3
12	12	1986	2400	C2	5.4	5.4	5.4	29.4	29.5	29.6	8.2
12	12	1986	2400	C3	4.5	4.4	4.4	28.9	29.1	29.1	7.8
12	12	1986	2400	C4	2.6	2.6	2.6	29.2	29.3	29.2	7.4
12	12	1986	2400	C5	5.5	5.4	5.4	29.5	29.6	29.6	8.5
12	12	1986	2400	C6	5.	5.	5.	29.5	29.5	29.6	8.4
12	12	1986	2400	C7	4.5	4.5	4.4	29.5	29.7	29.7	8.7
12	12	1986	2400	C8	5.	5.	5.	29.5	29.6	29.6	8.

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
12	12	1986	2400	CL.BD		2.8			28.8		7.2
12	12	1986	2400	E1	6.7	6.6	6.6	28.6	28.7	28.7	8.7
12	12	1986	2400	E2	2.4	2.3	2.2	29.2	29.4	29.3	7.6
12	12	1986	2400	E3	3.2	3.2	3.4	29.1	29.2	29.2	8.4
12	12	1986	2400	E4	6.6	6.6	6.5	28.8	28.9	28.9	9.2
12	12	1986	2400	INLET		6.			25.3		7.
15	1	1987	600	C1	5.7	5.6	5.4	26.9	26.9	27.	7.5
15	1	1987	600	C2	4.4	4.	3.8	27.2	27.2	27.2	7.6
15	1	1987	600	C3	5.4	5.3	4.9	26.8	26.8	26.8	7.4
15	1	1987	600	C4	3.2	2.9	2.8	26.4	26.4	26.4	7.2
15	1	1987	600	C5	5.	4.9	4.7	27.3	27.3	27.3	7.6
15	1	1987	600	C6	4.8	4.5	4.5	27.1	27.1	27.1	7.5
15	1	1987	600	C7	4.3	4.3	3.1	27.4	27.4	27.4	7.6
15	1	1987	600	C8	4.2	3.9	3.7	27.	27.	27.	7.1
15	1	1987	600	CL.BD		1.2			26.		7.1
15	1	1987	600	E1	2.8	2.8	2.7	27.1	27.1	27.1	8.
15	1	1987	600	E2	2.5	2.1	1.9	27.3	27.3	27.3	7.1
15	1	1987	600	E3	2.8	2.7	2.6	27.3	27.5	27.4	7.2
15	1	1987	600	E4	4.2	4.	3.8	27.	27.	27.	8.1
15	1	1987	600	INLET		1.7			25.2		7.
15	1	1987	1200	C1	8.	5.4	4.2	28.	27.5	27.2	9.
15	1	1987	1200	C2	6.9	4.8	3.8	28.1	27.9	27.7	8.8
15	1	1987	1200	C3	7.8	6.4	4.4	27.7	27.3	27.1	9.2
15	1	1987	1200	C4	7.4	5.1	5.1	27.5	27.2	27.1	8.7
15	1	1987	1200	C5	8.2	5.9	4.	28.3	27.8	27.7	9.2
15	1	1987	1200	C6	7.5	6.1	4.1	28.4	27.7	27.4	8.6
15	1	1987	1200	C7	9.3	6.3	4.3	28.8	28.1	27.8	9.3
15	1	1987	1200	C8	7.4	4.9	4.9	28.2	27.8	27.8	8.4
15	1	1987	1200	CL.BD		1.7			26.5		7.
15	1	1987	1200	E1	7.5	5.2	4.9	28.1	27.9	27.5	7.9
15	1	1987	1200	E2	9.7	4.1	2.8	28.9	27.8	27.6	9.4
15	1	1987	1200	E3	10.3	5.1	3.7	28.9	28.	27.9	9.7
15	1	1987	1200	E4	7.7	6.1	4.6	28.5	27.7	27.4	9.2
15	1	1987	1200	INLET		4.5			27.8		7.6
15	1	1987	1800	C1	6.1	5.5	4.1	27.5	27.5	27.4	8.5
15	1	1987	1800	C2	5.1	4.6	3.3	28.	27.8	27.7	8.4
15	1	1987	1800	C3	5.5	6.2	3.8	27.4	27.3	27.3	8.5
15	1	1987	1800	C4	5.3	4.7	3.9	26.8	26.8	26.8	8.
15	1	1987	1800	C5	6.2	4.8	4.	27.9	27.6	27.7	8.4
15	1	1987	1800	C6	5.3	4.5	4.3	27.9	27.7	27.5	8.
15	1	1987	1800	C7	6.5	6.	4.3	28.2	28.1	28.1	8.8
15	1	1987	1800	C8	5.1	5.1	4.9	27.8	27.7	27.7	7.9
15	1	1987	1800	CL.BD		1.6			26.3		7.
15	1	1987	1800	E1	6.1	5.4	5.2	27.7	27.6	27.5	7.5
15	1	1987	1800	E2	7.2	3.2	2.6	28.3	27.8	27.6	8.4

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
15	1	1987	1800	E3	7.6	4.	2.2	28.4	27.8	27.7	8.7
15	1	1987	1800	E4	6.	5.6	5.2	27.8	27.4	27.4	8.8
15	1	1987	1800	INLET		4.5			26.9		7.5
16	1	1987	600	C1	4.4	3.7	3.7	26.6	26.7	26.6	
16	1	1987	600	C2	3.4	3.	3.	27.	27.	27.	
16	1	1987	600	C3	3.7	3.6	3.4	26.5	26.5	26.5	
16	1	1987	600	C4	3.8	3.7	3.8	25.5	25.3	25.2	
16	1	1987	600	C5	3.9	3.8	3.5	26.9	27.1	27.1	
16	1	1987	600	C6	3.6	3.3	2.9	27.	27.	27.	
16	1	1987	600	C7	4.1	3.2	2.7	27.1	27.2	27.3	
16	1	1987	600	C8	3.8	3.7	3.4	26.9	26.9	26.9	
16	1	1987	600	CL.BD		3.4			25.7		
16	1	1987	600	E1	4.	3.5	3.2	26.6	26.8	26.8	
16	1	1987	600	E2	2.4	1.9	1.8	27.1	27.1	27.1	
16	1	1987	600	E3	3.1	2.8	2.5	27.1	27.2	27.2	
16	1	1987	600	E4	4.2	4.2	4.2	26.9	26.8	26.8	
16	1	1987	600	INLET		4.			24.8		
16	1	1987	2400	C1	3.5	3.4	3.3	27.3	27.3	27.4	8.4
16	1	1987	2400	C2	3.2	2.9	2.8	27.7	27.6	27.7	8.1
16	1	1987	2400	C3	3.7	3.4	3.2	26.9	27.	27.1	7.8
16	1	1987	2400	C4	3.1	3.	3.1	26.1	26.	25.8	7.6
16	1	1987	2400	C5	5.4	4.8	3.7	27.5	27.5	27.7	7.6
16	1	1987	2400	C6	3.5	3.2	4.	27.4	27.5	27.5	7.8
16	1	1987	2400	C7	4.4	2.9	3.1	27.7	27.8	27.8	8.8
16	1	1987	2400	C8	2.9	2.7	2.2	27.4	27.4	27.4	7.8
16	1	1987	2400	CL.BD		1.4			26.		7.
16	1	1987	2400	E1	2.3	2.	2.1	27.3	27.4	27.4	7.5
16	1	1987	2400	E2	1.8	1.7	1.8	27.5	27.5	27.6	7.5
16	1	1987	2400	E3	2.6	2.5	2.4	27.6	27.7	27.7	8.5
16	1	1987	2400	E4	3.3	3.1	2.8	27.3	27.3	27.3	8.5
16	1	1987	2400	INLET		2.8			24.9		7.5
12	2	1987	600	C1	4.4	3.2	3.1	25.9	26.1	26.1	7.3
12	2	1987	600	C2	2.8	2.1	2.	26.4	26.5	26.5	7.3
12	2	1987	600	C3	4.	3.8	4.2	26.	26.1	26.1	7.5
12	2	1987	600	C4	2.5	2.4	2.2	26.6	26.7	26.7	7.4
12	2	1987	600	C5	2.2	1.8	1.8	26.7	26.9	26.9	7.4
12	2	1987	600	C6	4.3	4.2	3.9	26.4	26.4	26.4	7.3
12	2	1987	600	C7	3.2	2.8	2.9	26.5	26.6	26.6	7.8
12	2	1987	600	C8	4.8	5.1	5.3	26.4	26.4	26.4	7.5
12	2	1987	600	CL.BD		1.7			26.2		7.4
12	2	1987	600	E1	3.6	3.2	3.2	26.1	26.2	26.2	7.2
12	2	1987	600	E2	3.4	3.2	2.9	26.9	26.9	26.9	7.5
12	2	1987	600	E3	4.2	3.4	2.6	26.8	26.8	26.7	7.7
12	2	1987	600	E4	5.1	4.5	4.7	26.1	26.1	26.	7.5
12	2	1987	600	INLET		5.8			24.		7.7

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
12	2	1987	1200	C1	5.8	4.9	3.9	28.3	27.2	26.8	7.6
12	2	1987	1200	C2	9.4	5.1	4.6	28.9	27.7	27.4	9.2
12	2	1987	1200	C3	7.8	5.1	3.4	27.9	26.9	26.7	8.5
12	2	1987	1200	C4	9.8	4.7	3.6	29.3	27.6	27.3	9.2
12	2	1987	1200	C5	7.6	5.2	3.5	29.3	28.	27.7	8.9
12	2	1987	1200	C6	9.4	6.6	5.4	29.1	27.	26.6	9.1
12	2	1987	1200	C7	9.8	7.1	5.8	29.2	27.8	27.5	9.2
12	2	1987	1200	C8	9.6	8.5	6.8	29.	27.5	27.	9.
12	2	1987	1200	CL.BD		3.7			30.4		8.2
12	2	1987	1200	E1	7.	4.2	3.8	29.4	27.4	26.8	7.3
12	2	1987	1200	E2	14.2	8.3	5.6	31.2	27.9	27.6	9.3
12	2	1987	1200	E3	13.9	5.5	3.9	30.3	27.7	27.3	9.2
12	2	1987	1200	E4	11.1	8.7	6.1	28.5	26.8	26.4	9.4
12	2	1987	1200	INLET		4.8			27.6		7.1
12	2	1987	1800	C1	8.	4.8	4.2	30.1	28.2	27.8	8.7
12	2	1987	1800	C2	11.5	7.8	5.	30.2	29.2	28.3	9.8
12	2	1987	1800	C3	8.3	7.1	4.	30.4	28.2	27.2	9.1
12	2	1987	1800	C4	10.7	5.3	4.	30.6	29.3	28.2	9.6
12	2	1987	1800	C5	8.7	5.	3.5	30.3	29.3	28.8	9.2
12	2	1987	1800	C6	11.5	7.8	5.2	30.4	28.8	27.1	9.3
12	2	1987	1800	C7	10.8	7.2	5.7	30.5	29.1	28.2	9.4
12	2	1987	1800	C8	11.	9.	6.7	30.3	29.	27.5	9.4
12	2	1987	1800	CL.BD		3.3			31.		7.5
12	2	1987	1800	E1	7.4	4.7	3.5	30.4	28.3	27.1	8.2
12	2	1987	1800	E2	12.	6.9	4.4	30.7	29.6	28.8	9.8
12	2	1987	1800	E3	12.6	6.6	4.2	30.4	28.9	28.3	9.8
12	2	1987	1800	E4	10.9	7.2	2.4	30.6	27.3	26.6	9.3
12	2	1987	1800	INLET		2.7			28.7		7.8
13	2	1987	600	C1	4.2	3.2	3.	26.6	26.8	26.8	7.4
13	2	1987	600	C2	4.2	3.5	2.9	26.2	26.3	26.3	7.6
13	2	1987	600	C3	3.9	3.5	3.	26.5	26.5	26.5	7.2
13	2	1987	600	C4	3.1	2.9	2.5	26.7	26.8	26.8	7.2
13	2	1987	600	C5	3.2	3.	2.9	26.6	26.7	26.8	7.9
13	2	1987	600	C6	4.2	4.	3.9	26.5	26.6	26.5	7.2
13	2	1987	600	C7	3.9	3.4	3.	26.4	26.4	26.4	7.2
13	2	1987	600	C8	4.8	4.7	4.2	26.6	26.6	26.7	7.
13	2	1987	600	CL.BD		3.			26.5		6.2
13	2	1987	600	E1	4.	3.5	3.	26.3	26.4	26.4	7.6
13	2	1987	600	E2	3.4	3.1	2.7	27.1	27.1	27.1	8.
13	2	1987	600	E3	3.4	2.8	2.5	26.5	26.6	26.6	7.7
13	2	1987	600	E4	4.9	4.6	4.2	26.3	26.3	26.3	7.4
13	2	1987	600	INLET		2.2			26.1		7.4
13	2	1987	2400	C1	7.2	4.6	4.5	28.5	28.5	28.5	8.1
13	2	1987	2400	C2	7.3	6.8	5.4	28.9	28.9	28.9	9.
13	2	1987	2400	C3	5.7	4.8	3.9	28.7	28.3	27.7	8.9

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
13	2	1987	2400	C4	5.4	5.3	5.	28.9	29.	29.	8.4
13	2	1987	2400	C5	5.2	4.4	4.1	28.8	29.	29.1	7.2
13	2	1987	2400	C6	6.7	6.6	4.	28.7	28.7	27.5	9.
13	2	1987	2400	C7	6.5	6.3	4.8	28.6	28.8	28.6	8.6
13	2	1987	2400	C8	8.1	7.5	6.7	28.6	28.6	28.4	9.2
13	2	1987	2400	CL.BD		3.2			29.3		6.3
13	2	1987	2400	E1	5.6	4.7	3.7	28.5	28.2	27.8	7.9
13	2	1987	2400	E2	6.4	6.1	5.6	29.	29.	29.1	9.
13	2	1987	2400	E3	6.4	6.3	3.6	28.7	28.8	28.8	9.3
13	2	1987	2400	E4	9.5	6.1	4.	28.6	27.7	27.	9.3
13	2	1987	2400	INLET		2.8			27.2		7.6
10	3	1987	600	C1	2.3	2.2	2.1	29.2	29.2	29.2	7.1
10	3	1987	600	C2	1.6	1.3	1.2	29.	29.	29.	7.3
10	3	1987	600	C3	2.7	2.6	2.6	28.5	28.7	28.7	7.2
10	3	1987	600	C4	1.1	1.	0.8	29.3	29.4	29.4	7.5
10	3	1987	600	C5	1.4	1.	1.	28.9	29.2	29.3	7.2
10	3	1987	600	C6	2.9	2.7	2.7	28.9	28.9	28.9	7.2
10	3	1987	600	C7	2.8	2.6	2.6	29.1	29.3	29.4	7.1
10	3	1987	600	C8	3.4	3.1	3.1	28.7	28.7	28.7	7.1
10	3	1987	600	CL.BD		1.9			28.4		6.7
10	3	1987	600	E1	3.2	2.7	3.	28.6	28.7	28.7	6.9
10	3	1987	600	E2	2.2	2.1	1.8	29.2	29.4	29.4	7.
10	3	1987	600	E3	1.7	1.4	1.4	29.2	29.5	29.5	7.
10	3	1987	600	E4	3.2	2.9	3.2	29.	29.	29.	7.
10	3	1987	600	INLET		4.7			25.5		6.7
10	3	1987	1200	C1	8.7	8.	5.9	31.5	31.3	30.1	9.
10	3	1987	1200	C2	10.5	4.8	3.9	30.8	30.2	29.6	9.4
10	3	1987	1200	C3	7.4	4.8	4.1	30.4	29.7	29.3	8.8
10	3	1987	1200	C4	9.8	4.4	2.8	31.5	30.6	30.1	9.4
10	3	1987	1200	C5	8.9	5.7	4.5	31.8	30.7	30.1	9.2
10	3	1987	1200	C6	6.9	4.1	3.5	31.6	30.1	29.4	9.
10	3	1987	1200	C7	8.6	6.4	4.9	31.2	30.3	29.9	9.2
10	3	1987	1200	C8	7.1	5.5	4.8	31.1	29.8	29.5	9.
10	3	1987	1200	CL.BD		7.2			31.7		8.7
10	3	1987	1200	E1	7.1	5.5	4.3	31.5	30.1	29.6	8.9
10	3	1987	1200	E2	11.5	5.2	3.8	32.4	30.7	30.3	10.2
10	3	1987	1200	E3	9.8	6.2	5.	31.9	30.7	30.5	10.
10	3	1987	1200	E4	6.9	6.1	5.2	32.	30.2	30.	9.6
10	3	1987	1200	INLET		3.9			28.		9.4
10	3	1987	1800	C1	10.2	8.1	6.6	32.1	31.9	31.6	9.2
10	3	1987	1800	C2	12.2	7.4	5.3	32.3	31.5	30.6	9.9
10	3	1987	1800	C3	11.2	6.2	5.3	32.2	30.5	30.	9.8
10	3	1987	1800	C4	13.6	6.6	4.4	32.4	31.4	31.1	10.2
10	3	1987	1800	C5	12.8	6.9	6.2	32.3	31.5	31.3	10.
10	3	1987	1800	C6	10.8	6.	4.5	32.1	31.4	30.1	10.

TABLE 5. Diurnal Measurements. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	D.O. TIME	POND#	DO-TOP	DO-MID	DO-BOT	WATER TEMP TOP	WATER TEMP MID	WATER TEMP BOT	PH
10	3	1987	1800	C7	12.6	9.3	5.8	32.5	31.4	30.5	10.2
10	3	1987	1800	C8	11.4	6.9	6.	32.3	30.6	30.3	10.9
10	3	1987	1800	CL.BD		8.7			32.5		8.8
10	3	1987	1800	E1	11.	6.2	5.	31.8	30.8	30.2	10.
10	3	1987	1800	E2	13.4	8.5	7.1	32.3	32.1	31.5	10.4
10	3	1987	1800	E3	13.3	7.	5.5	32.4	31.8	31.6	10.2
10	3	1987	1800	E4	9.8	7.7	6.8	32.6	31.1	31.	10.2
10	3	1987	1800	INLET		3.2			30.1		9.8
11	3	1987	600	C1	3.4	2.9	2.6	28.8	29.	29.	7.2
11	3	1987	600	C2	2.8	2.7	2.5	29.	29.1	29.1	7.3
11	3	1987	600	C3	3.4	3.2	3.1	28.7	28.6	28.7	7.2
11	3	1987	600	C4	1.7	1.5	1.4	29.3	29.3	29.3	7.2
11	3	1987	600	C5	1.9	1.7	1.5	29.1	29.2	29.2	7.2
11	3	1987	600	C6	3.1	3.	2.7	29.	29.	29.	7.2
11	3	1987	600	C7	3.2	2.7	2.5	29.1	29.2	29.3	7.4
11	3	1987	600	C8	4.	3.6	2.9	28.9	28.9	28.9	7.4
11	3	1987	600	CL.BD		1.8			28.4		7.
11	3	1987	600	E1	3.2	3.	2.7	28.8	28.8	28.9	7.4
11	3	1987	600	E2	2.1	1.9	1.5	29.5	29.5	29.5	7.3
11	3	1987	600	E3	1.9	1.6	1.	29.3	29.5	29.5	7.2
11	3	1987	600	E4	3.2	3.1	2.7	29.1	29.1	29.1	7.4
11	3	1987	600	INLET		3.			25.2		7.
11	3	1987	2400	C1	7.4	4.8	4.	30.1	30.2	30.2	8.2
11	3	1987	2400	C2	7.3	6.5	4.2	30.6	30.7	30.7	8.6
11	3	1987	2400	C3	6.6	5.8	4.1	29.7	29.6	29.6	8.3
11	3	1987	2400	C4	5.6	4.2	3.9	30.5	30.4	30.4	9.
11	3	1987	2400	C5	6.	5.2	4.2	30.2	30.3	30.4	8.6
11	3	1987	2400	C6	5.9	5.2	4.1	30.2	30.1	30.1	8.6
11	3	1987	2400	C7	6.1	5.3	4.1	30.1	30.1	30.2	8.9
11	3	1987	2400	C8	6.7	6.2	5.1	29.6	29.5	29.5	8.9
11	3	1987	2400	CL.BD		6.5			30.1		7.8
11	3	1987	2400	E1	6.6	5.6	4.7	29.3	29.4	29.4	8.3
11	3	1987	2400	E2	6.5	5.	4.2	30.2	30.3	30.4	9.
11	3	1987	2400	E3	6.8	5.2	4.	30.1	30.2	30.2	8.9
11	3	1987	2400	E4	6.7	5.9	4.8	30.1	30.1	30.1	8.8
11	3	1987	2400	INLET		3.1			28.2		8.4

TABLE 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Bogor, Indonesia, Cycle 3, 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
9	4	1986	C1	STK	nil	10.7	200	53.	20	23.8	15.	20	1.14
9	4	1986	C2	STK	nil	10.4	200	48.	20	17.5	14.4	20	1.5
9	4	1986	C3	STK	nil	10.7	200	57.	20	22.7	15.3	20	1.77
9	4	1986	C4	STK	nil	9.6	200	42.	20	15.2	13.7	20	1.47
9	4	1986	C5	STK	nil	9.6	200	51.	20	23.2	14.4	20	2.12
9	4	1986	C6	STK	nil	11.2	200	65.	20	17.1	15.7	20	1.17
9	4	1986	C7	STK	nil	9.7	200	50.	20	17.8	14.6	20	1.48
9	4	1986	C8	STK	nil	9.6	200	44.	20	19.9	14.2	20	1.91
9	4	1986	E1	STK	nil	11.4	200	51.	20	22.7	14.6	20	1.89
9	4	1986	E2	STK	nil	9.1	200	38.	20	10.1	13.6	20	1.25
9	4	1986	E3	STK	nil	10.8	200	54.	20	16.6	15.1	20	1.28
9	4	1986	E4	STK	nil	10.5	200	47.	20	14.1	14.6	20	1.11
17	5	1986	C1	SAM	nil			83.	26				
17	5	1986	C2	SAM	nil			86.	25				
17	5	1986	C3	SAM	nil			90.	34				
17	5	1986	C4	SAM	nil			98.	21				
17	5	1986	C5	SAM	nil			69.	29				
17	5	1986	C6	SAM	nil			81.	21				
17	5	1986	C7	SAM	nil			70.	20				
17	5	1986	C8	SAM	nil			68.	20				
17	5	1986	E1	SAM	nil			82.	20				
17	5	1986	E2	SAM	nil			85.	20				
17	5	1986	E3	SAM	nil			102.	20				
17	5	1986	E4	SAM	nil			75.	20				
21	6	1986	C1	SAM	nil			106.	25				
21	6	1986	C2	SAM	nil			90.	20				
21	6	1986	C3	SAM	nil			103.	25				
21	6	1986	C4	SAM	nil			125.	28				
21	6	1986	C5	SAM	nil			83.	25				
21	6	1986	C6	SAM	nil			87.	32				
21	6	1986	C7	SAM	nil			80.	39				
21	6	1986	C8	SAM	nil			77.	33				
21	6	1986	E1	SAM	nil			91.	30				
21	6	1986	E2	SAM	nil			108.	30				
21	6	1986	E3	SAM	nil			139.	30				
21	6	1986	E4	SAM	nil			98.	33				
19	7	1986	C1	SAM	nil			121.	24				
19	7	1986	C2	SAM	nil			108.	33				
19	7	1986	C3	SAM	nil			112.	29				
19	7	1986	C4	SAM	nil			131.	40				
19	7	1986	C5	SAM	nil			75.	28				
19	7	1986	C6	SAM	nil			90.	29				
19	7	1986	C7	SAM	nil			79.	26				
19	7	1986	C8	SAM	nil			75.	36				
19	7	1986	E1	SAM	nil			115.	24				

TABLE 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Bogor, Indonesia, Cycle 3, 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
19	7	1986	E2	SAM	nil			130.	22					
19	7	1986	E3	SAM	nil			150.	26					
19	7	1986	E4	SAM	nil			107.	29					
15	8	1986	C1	SAM	nil			124.	21					
15	8	1986	C2	SAM	nil			114.	22					
15	8	1986	C3	SAM	nil			127.	22					
15	8	1986	C4	SAM	nil			141.	27					
15	8	1986	C5	SAM	nil			81.	21					
15	8	1986	C6	SAM	nil			100.	20					
15	8	1986	C7	SAM	nil			92.	26					
15	8	1986	C8	SAM	nil			75.	20					
15	8	1986	E1	SAM	nil			112.	25					
15	8	1986	E2	SAM	nil			173.	26					
15	8	1986	E3	SAM	nil			150.	26					
15	8	1986	E4	SAM	nil			121.	34					
11	9	1986	C1	SAM	nil			128.	23					
11	9	1986	C2	SAM	nil			116.	25					
11	9	1986	C3	SAM	nil			109.	23					
11	9	1986	C4	SAM	nil			162.	20					
11	9	1986	C5	SAM	nil			96.	26					
11	9	1986	C6	SAM	nil			98.	20					
11	9	1986	C7	SAM	nil			84.	22					
11	9	1986	C8	SAM	nil			72.	27					
11	9	1986	E1	SAM	nil			122.	20					
11	9	1986	E2	SAM	nil			148.	20					
11	9	1986	E3	SAM	nil			167.	29					
11	9	1986	E4	SAM	nil			116.	22					
12	9	1986	C1	HAR	nil	24.3	200	132.	20	27.2	19.8	20	1.42	7.8
12	9	1986	C2	HAR	nil	24.	200	104.	20	25.8	18.3	20	1.54	14.2
12	9	1986	C3	HAR	nil	20.7	194	111.	20	25.4	19.2	20	0.56	4.4
12	9	1986	C4	HAR	nil	23.8	188	147.	20	31.6	20.8	20	1.16	14.
12	9	1986	C5	HAR	nil	17.3	196	98.	20	18.4	18.	20	1.1	1.7
12	9	1986	C6	HAR	nil	20.5	196	108.	20	21.7	18.6	20	1.32	5.
12	9	1986	C7	HAR	nil	16.7	199	87.	20	12.	17.6	20	0.97	1.
12	9	1986	C8	HAR	nil	13.6	183	90.	20	21.4	17.5	20	1.26	4.1
12	9	1986	E1	HAR	nil	22.9	195	121.	20	21.4	19.2	20	1.08	4.
12	9	1986	E2	HAR	nil	27.4	198	158.	20	41.7	21.	20	1.59	27.
12	9	1986	E3	HAR	nil	23.1	147	156.	20	33.3	21.3	20	1.42	32.9
12	9	1986	E4	HAR	nil	20.	185	117.	20	21.	19.	20	1.02	3.

TABLE 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Bogor, Indonesia, Cycle 3, 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
14	10	1986	C1	STK	nil	9.5	200						
14	10	1986	C1	SAM	nil			41.	20	10.5	14.2	20	0.97
14	10	1986	C2	STK	nil	8.7	200						
14	10	1986	C2	SAM	nil			49.	20	12.6	14.8	20	1.09
14	10	1986	C3	STK	nil	8.8	200						
14	10	1986	C3	SAM	nil			47.	20	14.3	14.5	20	1.18
14	10	1986	C4	STK	nil	9.	200						
14	10	1986	C4	SAM	nil			45.	20	14.1	14.5	20	1.5
14	10	1986	C5	SAM	nil			36.	20	8.6	13.8	20	0.92
14	10	1986	C5	STK	nil	8.5	200						
14	10	1986	C6	SAM	nil			47.	20	14.4	14.9	20	1.25
14	10	1986	C6	STK	nil	8.5	200						
14	10	1986	C7	SAM	nil			44.	20	12.3	14.3	20	1.22
14	10	1986	C7	STK	nil	8.8	200						
14	10	1986	C8	SAM	nil			40.	20	6.6	14.1	20	0.8
14	10	1986	C8	STK	nil	8.5	200						
14	10	1986	E1	STK	nil	9.2	200						
14	10	1986	E1	SAM	nil			45.	20	11.3	14.5	20	1.21
14	10	1986	E2	STK	nil	8.7	200						
14	10	1986	E2	SAM	nil			39.	20	13.4	13.8	20	1.35
14	10	1986	E3	STK	nil	9.5	200						
14	10	1986	E3	SAM	nil			42.	20	7.9	13.9	20	0.89
14	10	1986	E4	STK	nil	8.6	200						
14	10	1986	E4	SAM	nil			38.	20	9.2	12.9	20	1.23
14	11	1986	C1	SAM	nil			86.	21				
14	11	1986	C2	SAM	nil			84.	32				
14	11	1986	C3	SAM	nil			77.	22				
14	11	1986	C4	SAM	nil			100.	22				
14	11	1986	C5	SAM	nil			69.	32				
14	11	1986	C6	SAM	nil			78.	30				
14	11	1986	C7	SAM	nil			87.	22				
14	11	1986	C8	SAM	nil			66.	22				
14	11	1986	E1	SAM	nil			67.	30				
14	11	1986	E2	SAM	nil			104.	26				
14	11	1986	E3	SAM	nil			102.	26				
14	11	1986	E4	SAM	nil			82.	30				
13	12	1986	C1	SAM	nil			103.	30				
13	12	1986	C2	SAM	nil			102.	21				
13	12	1986	C3	SAM	nil			88.	25				
13	12	1986	C4	SAM	nil			127.	26				
13	12	1986	C5	SAM	nil			77.	30				
13	12	1986	C6	SAM	nil			86.	26				
13	12	1986	C7	SAM	nil			115.	23				
13	12	1986	C8	SAM	nil			72.	30				
13	12	1986	E1	SAM	nil			789.	30				

TABLE 6. Fish/Shrimp Stocking, Sampling, and Harvesting. Bogor, Indonesia, Cycle 3, 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
13	12	1986	E2	SAM	nil			136.	25					
13	12	1986	E3	SAM	nil			135.	30					
13	12	1986	E4	SAM	nil			86.	25					
17	1	1987	C1	SAM	nil			100.	26					
17	1	1987	C2	SAM	nil			104.	23					
17	1	1987	C3	SAM	nil			82.	31					
17	1	1987	C4	SAM	nil			142.	32					
17	1	1987	C5	SAM	nil			83.	21					
17	1	1987	C6	SAM	nil			96.	22					
17	1	1987	C7	SAM	nil			140.	20					
17	1	1987	C8	SAM	nil			76.	21					
17	1	1987	E1	SAM	nil			96.	22					
17	1	1987	E2	SAM	nil			154.	26					
17	1	1987	E3	SAM	nil			132.	25					
17	1	1987	E4	SAM	nil			71.	24					
14	2	1987	C1	SAM	nil			95.	21					
14	2	1987	C2	SAM	nil			100.	21					
14	2	1987	C3	SAM	nil			82.	28					
14	2	1987	C4	SAM	nil			172.	25					
14	2	1987	C5	SAM	nil			84.	31					
14	2	1987	C6	SAM	nil			100.	25					
14	2	1987	C7	SAM	nil			146.	28					
14	2	1987	C8	SAM	nil			67.	30					
14	2	1987	E1	SAM	nil			84.	25					
14	2	1987	E2	SAM	nil			152.	22					
14	2	1987	E3	SAM	nil			150.	25					
14	2	1987	E4	SAM	nil			74.	27					
11	3	1987	C1	SAM	nil			105.	21					
11	3	1987	C2	SAM	nil			112.	25					
11	3	1987	C3	SAM	nil			91.	22					
11	3	1987	C4	SAM	nil			160.	25					
11	3	1987	C5	SAM	nil			119.	26					
11	3	1987	C6	SAM	nil			105.	21					
11	3	1987	C7	SAM	nil			141.	27					
11	3	1987	C8	SAM	nil			71.	21					
11	3	1987	E1	SAM	nil			85.	27					
11	3	1987	E2	SAM	nil			168.	25					
11	3	1987	E3	SAM	nil			144.	23					
11	3	1987	E4	SAM	nil			77.	26					
12	3	1987	C1	HAR	nil	18.	181	97.	20	23.4	18.4	20	1.18	1.5
12	3	1987	C2	HAR	nil	21.	183	92.	20	20.1	18.2	20	1.15	4.5
12	3	1987	C3	HAR	nil	15.5	185	73.	20	16.4	16.7	20	0.93	2.1
12	3	1987	C4	HAR	nil	28.5	181	132.	20	40.7	20.1	20	1.6	18.4
12	3	1987	C5	HAR	nil	21.7	195	96.	20	25.2	18.	20	1.31	2.
12	3	1987	C6	HAR	nil	18.7	191	87.	20	16.3	17.4	20	1.01	2.1
12	3	1987	C7	HAR	nil	26.	193	123.	20	27.1	19.2	20	1.49	3.7
12	3	1987	C8	HAR	nil	13.4	185	69.	20	16.2	16.3	20	1.16	1.2
12	3	1987	E1	HAR	nil	16.5	187	73.	20	21.7	16.7	20	1.39	2.5
12	3	1987	E2	HAR	nil	29.	193	132.	20	42.2	19.9	20	1.77	17.
12	3	1987	E3	HAR	nil	28.1	197	134.	20	35.4	20.2	20	1.29	18.5
12	3	1987	E4	HAR	nil	12.7	187	68.	20	14.1	16.6	20	0.99	2.

TABLE 7. Water Quality Characteristics. Bogor, Indonesia, Cycle 3, 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
15	4	1986	C1	32.	26.	7.2				0.48		0.03											
15	4	1986	C2	28.	28.	6.7				0.91	0.22	0.08											
15	4	1986	C3	31.	34.	7.6				0.29	0.38	0.16											
15	4	1986	C4	38.	38.	8.				0.09	0.4	0.26											
15	4	1986	C5	31.	34.	7.1				0.	0.2	0.04											
15	4	1986	C6	27.	30.	7.2				0.44	0.16	0.06											
15	4	1986	C7	28.	30.	6.9				0.39	0.17	0.04											
15	4	1986	C8	32.	30.	7.4				0.63	0.16	0.04											
15	4	1986	E1	27.	26.	7.5				0.88	0.18	0.02											
15	4	1986	E2	29.	28.	7.6				0.99	0.18	0.04											
15	4	1986	E3	30.	30.	8.1				0.53	0.18	0.02											
15	4	1986	E4	33.	30.	8.8				0.25	0.14	0.02											
9	9	1986	C1	24.	29.	7.1	0.01			0.31	0.38	0.07	11.6		7.9	0.	8.	0.	2.5	1.7	3.	4.4	0.06
9	9	1986	C2	30.	37.	7.2	0.03			0.12	0.4	0.13	8.4		8.3	0.	9.5	0.	2.3	2.1	3.2	5.1	0.03
9	9	1986	C3	26.	27.	7.1	0.14			0.4	0.32	0.06	8.9		8.2	0.01	8.6	0.	4.7	2.	3.3	6.3	2.4
9	9	1986	C4	49.	46.	7.8	0.			0.09	1.63	1.2	10.		6.2	0.01	14.	0.	1.7	3.4	10.	4.5	0.01
9	9	1986	C5	35.	33.	7.3	0.			0.06	1.21	0.74	7.4		7.1	0.01	10.	0.	1.3	2.5	6.1	5.3	0.01
9	9	1986	C6	21.	28.	7.	0.01			0.18	0.25	0.03	7.		9.2	0.	5.1	0.	1.8	2.	2.1	5.3	0.01
9	9	1986	C7	26.	29.	6.9	0.26			0.09	0.62	0.43	6.3		10.2	0.	6.9	0.	0.8	2.	2.8	5.3	0.01
9	9	1986	C8	19.	18.	7.2	0.06			0.17	0.17	0.03	9.2		9.3	0.	5.2	0.	1.9	1.7	1.6	4.7	0.02
9	9	1986	E1	16.	14.	7.	0.			0.17	0.18	0.03	8.4		9.6	0.	4.3	0.	2.	1.6	1.7	4.7	0.01
9	9	1986	E2	30.	28.	7.	0.1			0.11	0.74	0.4	8.2		9.8	0.	8.6	0.	1.2	2.3	6.	5.2	0.01
9	9	1986	E3	27.	25.	6.9	0.07			0.08	0.66	0.23	7.2		7.6	0.	7.8	0.	1.6	2.1	3.9	4.4	0.01
9	9	1986	E4	21.	22.	9.	0.01			0.11	0.3	0.05	9.4		8.1	0.	6.2	0.	3.2	1.7	1.8	5.3	0.01
9	9	1986	INLET										4.6		7.5	0.	6.2	0.	5.4	2.4	1.7	5.1	0.02

TABLE 7. Water Quality Characteristics. Bogor, Indonesia, Cycle 3, 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
13	10	1986	C1	37.	36.	7.9	0.17			0.42	0.37	0.17	3.		5.7	0.01	13.	0.	1.4	2.	2.1	5.7	0.01
13	10	1986	C2	40.	34.	8.	0.32			0.35	0.61	0.31	3.2		4.7	0.	12.	0.	1.3	2.1	2.1	5.6	0.01
13	10	1986	C3	39.	38.	8.2	0.2			0.31		0.23	3.3		3.9	0.	14.	0.	1.3	1.9	2.3	4.9	0.01
13	10	1986	C4	61.	60.	7.5	0.9			0.48	1.33	1.14	3.1			0.01	21.	0.	1.5	2.9	4.6	5.6	0.01
13	10	1986	C5	46.	42.	8.3	0.37			0.09	0.78	0.55	2.7		5.3	0.01	17.	0.	0.3	2.2	2.96	5.	0.
13	10	1986	C6	30.	24.	7.7	0.29			0.49	0.29	0.16	3.		5.8	0.	9.9	0.	1.4	2.	1.8	5.7	0.01
13	10	1986	C7	36.	30.	7.6	0.28			0.23	0.24	0.13	3.3		3.5	0.01	13.	0.	0.6	1.9	1.9	5.7	0.01
13	10	1986	C8	29.	28.	7.5	0.27			0.35	0.23	0.12	3.1		4.7	0.01	9.1	0.	1.7	2.1	1.6	5.7	0.01
13	10	1986	E1	29.	28.	7.4	0.36			0.34	0.21	0.12	3.3		2.9	0.01	9.2	0.	2.1	2.2	1.7	5.7	0.01
13	10	1986	E2	38.	38.	7.4	0.41			0.39	0.83	0.62	3.4		3.5	0.01	13.	0.	1.5	2.4	2.8	5.7	0.01
13	10	1986	E3	37.	30.	7.6	0.33			0.3	0.51	0.39	3.2		3.6	0.	11.	0.	1.3	2.1	1.9	5.7	0.01
13	10	1986	E4	29.	26.	7.7	0.13			0.33	0.17	0.09	3.1		3.	0.01	9.4	0.	2.3	2.1	1.7	5.7	0.01
13	10	1986	INLET	26.	18.	7.1	0.54			0.33	0.23	0.08	3.9			0.	7.4	0.	8.5	2.6	2.	6.3	0.03
12	3	1987	C1	27.	20.	7.1	0.22			0.13	0.73	0.14	10.7		2.7	0.03	6.8	0.	1.8	2.	2.6	4.5	0.02
12	3	1987	C2	29.	28.	7.1	0.21			0.09	0.83	0.29	10.25		3.4	0.03	7.3	0.	1.	2.3	3.1	4.4	0.01
12	3	1987	C3	24.	40.	7.2	0.21			0.13	0.58	0.07	7.2		3.2	0.	5.3	0.	1.2	1.9	2.2	4.4	0.01
12	3	1987	C4	35.	28.	7.4	0.14			0.08	1.05	0.41	8.2		5.3	0.03	9.4	0.	0.8	2.3	5.3	5.4	0.02
12	3	1987	C5	33.	28.	7.1	0.09			0.09	0.64	0.17	8.			0.03	9.4	0.	1.4	2.3	4.8	4.6	0.03
12	3	1987	C6	26.	22.	7.2	0.15			0.14	0.5	0.09	7.9		3.4	0.	6.7	0.	1.8	2.1	2.2	4.6	0.02
12	3	1987	C7	28.	18.	7.4	0.13			0.09	0.71	0.25	6.95		5.	0.	7.2	0.	0.6	2.2	3.4	5.3	0.03
12	3	1987	C8	26.	30.	7.2	0.14			0.22	0.17	0.05	8.35		2.9	0.03	6.	0.	1.6	2.2	1.9	5.5	0.01
12	3	1987	E1	23.	24.	7.3	0.08			0.13	0.25	0.1	7.25		4.1	0.	5.2	0.	2.3	2.1	2.	5.	0.02
12	3	1987	E2	28.	30.	7.1	0.14			0.08	1.2	0.45	8.65		9.2	0.03	7.3	0.	1.3	2.1	4.2	5.5	0.02
12	3	1987	E3	34.	28.	7.1	0.12			0.09	0.73	0.45	8.75		8.	0.03	8.7	0.	0.9	2.1	3.9	5.2	0.02
12	3	1987	E4	24.	22.	7.2	0.18			0.12	0.17	0.04	7.85		7.4	0.03	5.2	0.	1.9	2.1	1.9	5.2	0.02
12	3	1987	INLET	21.	20.	6.8	0.27			0.23	0.6	0.16	13.2		7.1	0.	6.8	0.02	8.4	2.5	2.2	6.3	0.06

TABLE 8. Pond Soil Characteristics. Bogor, Indonesia, Cycle 3, 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
31	3	1986	C1					6.2												0.53					4.		0.25	
31	3	1986	C2					6.2												0.41					3.		0.16	
31	3	1986	C3					6.6												0.72					2.		0.12	
31	3	1986	C4					6.7												0.23					2.		0.16	
31	3	1986	C5					7.2												0.33					0.5		0.16	
31	3	1986	C6					6.9												0.14					1.		0.2	
31	3	1986	C7					6.2												0.14					3.		0.2	
31	3	1986	C8					6.2												0.1					3.		0.2	
31	3	1986	E1					6.4												0.27					2.		0.25	
31	3	1986	E2					6.2												0.14					3.5		0.2	
31	3	1986	E3					6.2												0.33					3.5		0.2	
31	3	1986	E4					6.1												0.35					3.5		0.2	

TABLE 8. Pond Soil Characteristics. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	CLAY	SILT	SAND	ORGAN. MATTER	WET-PH	SOIL-P	SOIL CA	SOIL MG	SOIL K	SOIL NA	SOIL N	SOIL NH4	SOIL NO3	SOIL CEC	SOIL SALT	SOIL AL	SOIL FE	SOIL ZN	SOIL MN	SOIL CU	SOIL SO4	LIME REQ	SOIL CACO3	EXCH H	EXCH NA
15	9	1986	C1	64.9	26.7	8.4	1.54	5.4	17.	10.1	1.5	215.	0.38	0.17	484.	0.6	16.8	4.5			3.68	115.	1.24	112.	6.2		12.6	0.17
15	9	1986	C2	69.7	19.5	10.8	1.48	5.5	19.	9.2	1.2	203.	0.33	0.14	396.	1.	15.9	4.			2.84	99.2	1.12	99.3	6.3		11.4	0.14
15	9	1986	C3	67.4	20.7	11.9	1.33	5.3	17.	7.7	1.1	179.	0.34	0.13	425.	0.6	15.5	3.8			2.04	111.6	0.94	91.9	6.3		12.	0.15
15	9	1986	C4	66.1	20.8	13.1	1.54	5.9	17.	11.5	1.2	199.	0.34	0.13	396.	0.6	15.1	4.5			2.86	150.6	1.18	99.1	6.5		9.9	0.16
15	9	1986	C5	67.9	21.1	11.	1.43	5.5	19.	9.1	1.2	226.	0.28	0.14	396.	0.6	15.1	4.			2.68	118.	1.02	95.4	6.3		10.5	0.16
15	9	1986	C6	64.6	25.7	9.8	1.54	5.7	20.	10.1	1.5	215.	0.36	0.14	448.	0.6	16.8	4.25			3.24	163.	1.16	80.	6.4		11.1	0.19
15	9	1986	C7	61.4	26.3	12.3	1.48	5.6	31.	9.5	1.5	218.	0.38	0.14	386.	0.6	18.	4.25			3.5	164.4	1.22	77.6	6.3		13.5	0.19
15	9	1986	C8	71.8	19.2	9.	0.9	5.9	14.	8.2	1.3	199.	0.36	0.11	323.	0.6	14.7	3.2			2.08	139.	0.72	49.5	6.5		17.7	0.18
15	9	1986	E1	66.9	23.4	9.7	1.27	5.8	17.	8.6	1.5	187.	0.32	0.13	386.	0.6	15.9	3.9			2.72	163.	0.9	83.1	6.4		18.7	0.18
15	9	1986	E2	68.1	20.9	11.	1.64	5.6	24.	8.9	1.5	211.	0.27	0.16	406.	0.6	15.9	4.			2.72	165.	1.02	86.5	6.2		18.7	0.17
15	9	1986	E3	69.	21.6	9.4	1.33	5.6	14.	8.4	1.2	183.	0.28	0.13	406.	0.6	16.4	3.8			1.56	180.	0.78	76.5	6.3		18.9	0.14
15	9	1986	E4	65.8	29.8	4.4	1.11	5.7	14.	7.6	1.1	187.	0.31	0.13	386.	0.6	14.9	3.4			1.72	170.4	0.9	59.7	6.4		18.9	0.17

TABLE 9. Analysis of Nutrients and Lime. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	NUTRIENT TYPE	DRY MATTER %	NUTRIENT N	NUTRIENT P	NUTRIENT K	NUTRIENT ORG-C
31	3	1986	CHICK		1.06	1.69	1.09	31.1
31	3	1986	CHICK		1.43	2.72	1.4	29.1
31	3	1986	CHICK		0.84	1.85	1.12	29.8

TABLE 9. Analysis of Nutrients and Lime. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	NUTRIENT TYPE	DRY MATTER %	NUTRIENT N	NUTRIENT P	NUTRIENT K	NUTRIENT ORG-C
15	9	1986	CHICK	48.3	1.48	1.48	1.23	35.4
28	1	1987	CHICK		0.86			34.5

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY	INORGAN. TYPE	INORGAN. QUANTITY	LIME TYPE	LIME QUANTITY
2	4	1986	C1							CaC	3660.
2	4	1986	C2							CaC	3025.
2	4	1986	C3							CaC	2065.
2	4	1986	C4							CaC	1760.
2	4	1986	C5							CaC	0.
2	4	1986	C6							CaC	1130.
2	4	1986	C7							CaC	2710.
2	4	1986	C8							CaC	2710.
2	4	1986	E1							CaC	2065.
2	4	1986	E2							CaC	3350.
2	4	1986	E3							CaC	3350.
2	4	1986	E4							CaC	3350.
16	4	1986	C1			CHICK	250.				
16	4	1986	C2			CHICK	500.				
16	4	1986	C3			CHICK	125.				
16	4	1986	C4			CHICK	1000.				
16	4	1986	C5			CHICK	500.				
16	4	1986	C6			CHICK	250.				
16	4	1986	C7			CHICK	500.				
16	4	1986	C8			CHICK	125.				
16	4	1986	E1			CHICK	250.				
16	4	1986	E2			CHICK	1000.				
16	4	1986	E3			CHICK	1000.				
16	4	1986	E4			CHICK	125.				
23	4	1986	C1			CHICK	250.				
23	4	1986	C2			CHICK	500.				
23	4	1986	C3			CHICK	125.				
23	4	1986	C4			CHICK	1000.				
23	4	1986	C5			CHICK	500.				
23	4	1986	C6			CHICK	250.				
23	4	1986	C7			CHICK	500.				
23	4	1986	C8			CHICK	125.				
23	4	1986	E1			CHICK	250.				
23	4	1986	E2			CHICK	1000.				
23	4	1986	E3			CHICK	1000.				
23	4	1986	E4			CHICK	125.				
30	4	1986	C1			CHICK	250.				
30	4	1986	C2			CHICK	500.				
30	4	1986	C3			CHICK	125.				
30	4	1986	C4			CHICK	1000.				
30	4	1986	C5			CHICK	500.				
30	4	1986	C6			CHICK	250.				
30	4	1986	C7			CHICK	500.				
30	4	1986	C8			CHICK	125.				
30	4	1986	E1			CHICK	250.				

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
30	4	1986	E2			CHICK	1000.
30	4	1986	E3			CHICK	1000.
30	4	1986	E4			CHICK	125.
7	5	1986	C1			CHICK	250.
7	5	1986	C2			CHICK	500.
7	5	1986	C3			CHICK	125.
7	5	1986	C4			CHICK	1000.
7	5	1986	C5			CHICK	500.
7	5	1986	C6			CHICK	250.
7	5	1986	C7			CHICK	500.
7	5	1986	C8			CHICK	125.
7	5	1986	E1			CHICK	250.
7	5	1986	E2			CHICK	1000.
7	5	1986	E3			CHICK	1000.
7	5	1986	E4			CHICK	125.
14	5	1986	C1			CHICK	250.
14	5	1986	C2			CHICK	500.
14	5	1986	C3			CHICK	125.
14	5	1986	C4			CHICK	1000.
14	5	1986	C5			CHICK	500.
14	5	1986	C6			CHICK	250.
14	5	1986	C7			CHICK	500.
14	5	1986	C8			CHICK	125.
14	5	1986	E1			CHICK	250.
14	5	1986	E2			CHICK	1000.
14	5	1986	E3			CHICK	1000.
14	5	1986	E4			CHICK	125.
21	5	1986	C1			CHICK	250.
21	5	1986	C2			CHICK	500.
21	5	1986	C3			CHICK	125.
21	5	1986	C4			CHICK	1000.
21	5	1986	C5			CHICK	500.
21	5	1986	C6			CHICK	250.
21	5	1986	C7			CHICK	500.
21	5	1986	C8			CHICK	125.
21	5	1986	E1			CHICK	250.
21	5	1986	E2			CHICK	1000.
21	5	1986	E3			CHICK	1000.
21	5	1986	E4			CHICK	125.
28	5	1986	C1			CHICK	250.
28	5	1986	C2			CHICK	500.
28	5	1986	C3			CHICK	125.
28	5	1986	C4			CHICK	1000.
28	5	1986	C5			CHICK	500.
28	5	1986	C6			CHICK	250.
28	5	1986	C7			CHICK	500.
28	5	1986	C8			CHICK	125.
28	5	1986	E1			CHICK	250.
28	5	1986	E2			CHICK	1000.
28	5	1986	E3			CHICK	1000.
28	5	1986	E4			CHICK	125.
4	6	1986	C1			CHICK	250.
4	6	1986	C2			CHICK	500.
4	6	1986	C3			CHICK	125.
4	6	1986	C4			CHICK	1000.
4	6	1986	C5			CHICK	500.
4	6	1986	C6			CHICK	250.
4	6	1986	C7			CHICK	500.
4	6	1986	C8			CHICK	125.
4	6	1986	E1			CHICK	250.
4	6	1986	E2			CHICK	1000.
4	6	1986	E3			CHICK	1000.
4	6	1986	E4			CHICK	125.
11	6	1986	C1			CHICK	250.
11	6	1986	C2			CHICK	500.
11	6	1986	C3			CHICK	125.
11	6	1986	C4			CHICK	1000.
11	6	1986	C5			CHICK	500.
11	6	1986	C6			CHICK	250.
11	6	1986	C7			CHICK	500.
11	6	1986	C8			CHICK	125.
11	6	1986	E1			CHICK	250.
11	6	1986	E2			CHICK	1000.
11	6	1986	E3			CHICK	1000.
11	6	1986	E4			CHICK	125.
18	6	1986	C1			CHICK	250.
18	6	1986	C2			CHICK	500.
18	6	1986	C3			CHICK	125.
18	6	1986	C4			CHICK	1000.
18	6	1986	C5			CHICK	500.
18	6	1986	C6			CHICK	250.
18	6	1986	C7			CHICK	500.
18	6	1986	C8			CHICK	125.
18	6	1986	E1			CHICK	250.
18	6	1986	E2			CHICK	1000.
18	6	1986	E3			CHICK	1000.
18	6	1986	E4			CHICK	125.
25	6	1986	C1			CHICK	250.
25	6	1986	C2			CHICK	500.
25	6	1986	C3			CHICK	125.
25	6	1986	C4			CHICK	1000.
25	6	1986	C5			CHICK	500.

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY	DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
25	6	1986	C6			CHICK	250.	23	7	1986	C4			CHICK	1000.
25	6	1986	C7			CHICK	500.	23	7	1986	C5			CHICK	500.
25	6	1986	C8			CHICK	125.	23	7	1986	C6			CHICK	250.
25	6	1986	E1			CHICK	250.	23	7	1986	C7			CHICK	500.
25	6	1986	E2			CHICK	1000.	23	7	1986	C8			CHICK	125.
25	6	1986	E3			CHICK	1000.	23	7	1986	E1			CHICK	250.
25	6	1986	E4			CHICK	125.	23	7	1986	E2			CHICK	1000.
2	7	1986	C1			CHICK	250.	23	7	1986	E3			CHICK	1000.
2	7	1986	C2			CHICK	500.	23	7	1986	E4			CHICK	125.
2	7	1986	C3			CHICK	125.	30	7	1986	C1			CHICK	250.
2	7	1986	C4			CHICK	1000.	30	7	1986	C2			CHICK	500.
2	7	1986	C5			CHICK	500.	30	7	1986	C3			CHICK	125.
2	7	1986	C6			CHICK	250.	30	7	1986	C4			CHICK	1000.
2	7	1986	C7			CHICK	500.	30	7	1986	C5			CHICK	500.
2	7	1986	C8			CHICK	125.	30	7	1986	C6			CHICK	250.
2	7	1986	E1			CHICK	250.	30	7	1986	C7			CHICK	500.
2	7	1986	E2			CHICK	1000.	30	7	1986	C8			CHICK	125.
2	7	1986	E3			CHICK	1000.	30	7	1986	E1			CHICK	250.
2	7	1986	E4			CHICK	125.	30	7	1986	E2			CHICK	1000.
9	7	1986	C1			CHICK	250.	30	7	1986	E3			CHICK	1000.
9	7	1986	C2			CHICK	500.	30	7	1986	E4			CHICK	125.
9	7	1986	C3			CHICK	125.	6	8	1986	C1			CHICK	250.
9	7	1986	C4			CHICK	1000.	6	8	1986	C2			CHICK	500.
9	7	1986	C5			CHICK	500.	6	8	1986	C3			CHICK	125.
9	7	1986	C6			CHICK	250.	6	8	1986	C4			CHICK	1000.
9	7	1986	C7			CHICK	500.	6	8	1986	C5			CHICK	500.
9	7	1986	C8			CHICK	125.	6	8	1986	C6			CHICK	250.
9	7	1986	E1			CHICK	250.	6	8	1986	C7			CHICK	500.
9	7	1986	E2			CHICK	1000.	6	8	1986	C8			CHICK	125.
9	7	1986	E3			CHICK	1000.	6	8	1986	E1			CHICK	250.
9	7	1986	E4			CHICK	125.	6	8	1986	E2			CHICK	1000.
16	7	1986	C1			CHICK	250.	6	8	1986	E3			CHICK	1000.
16	7	1986	C2			CHICK	500.	6	8	1986	E4			CHICK	125.
16	7	1986	C3			CHICK	125.	13	8	1986	C1			CHICK	250.
16	7	1986	C4			CHICK	1000.	13	8	1986	C2			CHICK	500.
16	7	1986	C5			CHICK	500.	13	8	1986	C3			CHICK	125.
16	7	1986	C6			CHICK	250.	13	8	1986	C4			CHICK	1000.
16	7	1986	C7			CHICK	500.	13	8	1986	C5			CHICK	500.
16	7	1986	C8			CHICK	125.	13	8	1986	C6			CHICK	250.
16	7	1986	E1			CHICK	250.	13	8	1986	C7			CHICK	500.
16	7	1986	E2			CHICK	1000.	13	8	1986	C8			CHICK	125.
16	7	1986	E3			CHICK	1000.	13	8	1986	E1			CHICK	250.
16	7	1986	E4			CHICK	125.	13	8	1986	E2			CHICK	1000.
23	7	1986	C1			CHICK	250.	13	8	1986	E3			CHICK	1000.
23	7	1986	C2			CHICK	500.	13	8	1986	E4			CHICK	125.
23	7	1986	C3			CHICK	125.	20	8	1986	C1			CHICK	250.

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Dry Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
20	8	1986	C2			CHICK	500.
20	8	1986	C3			CHICK	125.
20	8	1986	C4			CHICK	1000.
20	8	1986	C5			CHICK	500.
20	8	1986	C6			CHICK	250.
20	8	1986	C7			CHICK	500.
20	8	1986	C8			CHICK	125.
20	8	1986	E1			CHICK	250.
20	8	1986	E2			CHICK	1000.
20	8	1986	E3			CHICK	1000.
20	8	1986	E4			CHICK	125.
27	8	1986	C1			CHICK	250.
27	8	1986	C2			CHICK	500.
27	8	1986	C3			CHICK	125.
27	8	1986	C4			CHICK	1000.
27	8	1986	C5			CHICK	500.
27	8	1986	C6			CHICK	250.
27	8	1986	C7			CHICK	500.

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY	INORGAN. TYPE	INORGAN. QUANTITY	LIME TYPE	LIME QUANTITY
1	10	1986	C1							CaC	3350.
1	10	1986	C1			CHICK	250.				
1	10	1986	C2							CaC	3650.
1	10	1986	C2			CHICK	500.				
1	10	1986	C3							CaC	1750.
1	10	1986	C3			CHICK	125.				
1	10	1986	C4							CaC	1450.
1	10	1986	C4			CHICK	1000.				
1	10	1986	C5			CHICK	500.				
1	10	1986	C5							CaC	2100.
1	10	1986	C6			CHICK	250.				
1	10	1986	C6							CaC	3050.
1	10	1986	C7			CHICK	500.				
1	10	1986	C7							CaC	3650.
1	10	1986	C8			CHICK	125.				
1	10	1986	C8							CaC	2700.
1	10	1986	E1							CaC	2700.
1	10	1986	E1			CHICK	250.				
1	10	1986	E2							CaC	1750.
1	10	1986	E2			CHICK	1000.				
1	10	1986	E3							CaC	4000.
1	10	1986	E3			CHICK	1000.				
1	10	1986	E4							CaC	3050.
1	10	1986	E4			CHICK	125.				
7	10	1986	C1			CHICK	250.				
7	10	1986	C2			CHICK	500.				
7	10	1986	C3			CHICK	125.				
7	10	1986	C4			CHICK	1000.				
7	10	1986	C5			CHICK	500.				
7	10	1986	C6			CHICK	250.				
7	10	1986	C7			CHICK	500.				
7	10	1986	C8			CHICK	125.				
7	10	1986	E1			CHICK	250.				
7	10	1986	E2			CHICK	1000.				
7	10	1986	E3			CHICK	1000.				
7	10	1986	E4			CHICK	125.				
14	10	1986	C1			CHICK	250.				
14	10	1986	C2			CHICK	500.				
14	10	1986	C3			CHICK	125.				
14	10	1986	C4			CHICK	1000.				
14	10	1986	C5			CHICK	500.				
14	10	1986	C6			CHICK	250.				
14	10	1986	C7			CHICK	500.				
14	10	1986	C8			CHICK	125.				
14	10	1986	E1			CHICK	250.				

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
14	10	1986	E2			CHICK	1000.
14	10	1986	E3			CHICK	1000.
14	10	1986	E4			CHICK	125.
21	10	1986	C1			CHICK	250.
21	10	1986	C2			CHICK	500.
21	10	1986	C3			CHICK	125.
21	10	1986	C4			CHICK	1000.
21	10	1986	C5			CHICK	500.
21	10	1986	C6			CHICK	250.
21	10	1986	C7			CHICK	500.
21	10	1986	C8			CHICK	125.
21	10	1986	E1			CHICK	250.
21	10	1986	E2			CHICK	1000.
21	10	1986	E3			CHICK	1000.
21	10	1986	E4			CHICK	125.
28	10	1986	C1			CHICK	250.
28	10	1986	C2			CHICK	500.
28	10	1986	C3			CHICK	125.
28	10	1986	C4			CHICK	1000.
28	10	1986	C5			CHICK	500.
28	10	1986	C6			CHICK	250.
28	10	1986	C7			CHICK	500.
28	10	1986	C8			CHICK	125.
28	10	1986	E1			CHICK	250.
28	10	1986	E2			CHICK	1000.
28	10	1986	E3			CHICK	1000.
28	10	1986	E4			CHICK	125.
4	11	1986	C1			CHICK	250.
4	11	1986	C2			CHICK	500.
4	11	1986	C3			CHICK	125.
4	11	1986	C4			CHICK	1000.
4	11	1986	C5			CHICK	500.
4	11	1986	C6			CHICK	250.
4	11	1986	C7			CHICK	500.
4	11	1986	C8			CHICK	125.
4	11	1986	E1			CHICK	250.
4	11	1986	E2			CHICK	1000.
4	11	1986	E3			CHICK	1000.
4	11	1986	E4			CHICK	125.
11	11	1986	C1			CHICK	250.
11	11	1986	C2			CHICK	500.
11	11	1986	C3			CHICK	125.
11	11	1986	C4			CHICK	1000.
11	11	1986	C5			CHICK	500.
11	11	1986	C6			CHICK	250.
11	11	1986	C7			CHICK	500.

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
11	11	1986	C8			CHICK	125.
11	11	1986	E1			CHICK	250.
11	11	1986	E2			CHICK	1000.
11	11	1986	E3			CHICK	1000.
11	11	1986	E4			CHICK	125.
17	11	1986	C1			CHICK	250.
17	11	1986	C2			CHICK	500.
17	11	1986	C3			CHICK	125.
17	11	1986	C4			CHICK	1000.
17	11	1986	C5			CHICK	500.
17	11	1986	C6			CHICK	250.
17	11	1986	C7			CHICK	500.
17	11	1986	C8			CHICK	125.
17	11	1986	E1			CHICK	250.
17	11	1986	E2			CHICK	1000.
17	11	1986	E3			CHICK	1000.
17	11	1986	E4			CHICK	125.
24	11	1986	C1			CHICK	250.
24	11	1986	C2			CHICK	500.
24	11	1986	C3			CHICK	125.
24	11	1986	C4			CHICK	1000.
24	11	1986	C5			CHICK	500.
24	11	1986	C6			CHICK	250.
24	11	1986	C7			CHICK	500.
24	11	1986	C8			CHICK	125.
24	11	1986	E1			CHICK	250.
24	11	1986	E2			CHICK	1000.
24	11	1986	E3			CHICK	1000.
24	11	1986	E4			CHICK	125.
1	12	1986	C1			CHICK	250.
1	12	1986	C2			CHICK	500.
1	12	1986	C3			CHICK	125.
1	12	1986	C4			CHICK	1000.
1	12	1986	C5			CHICK	500.
1	12	1986	C6			CHICK	250.
1	12	1986	C7			CHICK	500.
1	12	1986	C8			CHICK	125.
1	12	1986	E1			CHICK	250.
1	12	1986	E2			CHICK	1000.
1	12	1986	E3			CHICK	1000.
1	12	1986	E4			CHICK	125.
8	12	1986	C1			CHICK	250.
8	12	1986	C2			CHICK	500.
8	12	1986	C3			CHICK	125.
8	12	1986	C4			CHICK	1000.
8	12	1986	C5			CHICK	500.

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
8	12	1986	C6			CHICK	250.
8	12	1986	C7			CHICK	500.
8	12	1986	C8			CHICK	125.
8	12	1986	E1			CHICK	250.
8	12	1986	E2			CHICK	1000.
8	12	1986	E3			CHICK	1000.
8	12	1986	E4			CHICK	125.
15	12	1986	C1			CHICK	250.
15	12	1986	C2			CHICK	500.
15	12	1986	C3			CHICK	125.
15	12	1986	C4			CHICK	1000.
15	12	1986	C5			CHICK	500.
15	12	1986	C6			CHICK	250.
15	12	1986	C7			CHICK	500.
15	12	1986	C8			CHICK	125.
15	12	1986	E1			CHICK	250.
15	12	1986	E2			CHICK	1000.
15	12	1986	E3			CHICK	1000.
15	12	1986	E4			CHICK	125.
22	12	1986	C1			CHICK	250.
22	12	1986	C2			CHICK	500.
22	12	1986	C3			CHICK	125.
22	12	1986	C4			CHICK	1000.
22	12	1986	C5			CHICK	500.
22	12	1986	C6			CHICK	250.
22	12	1986	C7			CHICK	500.
22	12	1986	C8			CHICK	125.
22	12	1986	E1			CHICK	250.
22	12	1986	E2			CHICK	1000.
22	12	1986	E3			CHICK	1000.
22	12	1986	E4			CHICK	125.
29	12	1986	C1			CHICK	250.
29	12	1986	C2			CHICK	500.
29	12	1986	C3			CHICK	125.
29	12	1986	C4			CHICK	1000.
29	12	1986	C5			CHICK	500.
29	12	1986	C6			CHICK	250.
29	12	1986	C7			CHICK	500.
29	12	1986	C8			CHICK	125.
29	12	1986	E1			CHICK	250.
29	12	1986	E2			CHICK	1000.
29	12	1986	E3			CHICK	1000.
29	12	1986	E4			CHICK	125.
5	1	1987	C1			CHICK	250.
5	1	1987	C2			CHICK	500.
5	1	1987	C3			CHICK	125.

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
5	1	1987	C4			CHICK	1000.
5	1	1987	C5			CHICK	500.
5	1	1987	C6			CHICK	250.
5	1	1987	C7			CHICK	500.
5	1	1987	C8			CHICK	125.
5	1	1987	E1			CHICK	250.
5	1	1987	E2			CHICK	1000.
5	1	1987	E3			CHICK	1000.
5	1	1987	E4			CHICK	125.
12	1	1987	C1			CHICK	250.
12	1	1987	C2			CHICK	500.
12	1	1987	C3			CHICK	125.
12	1	1987	C4			CHICK	1000.
12	1	1987	C5			CHICK	500.
12	1	1987	C6			CHICK	250.
12	1	1987	C7			CHICK	500.
12	1	1987	C8			CHICK	125.
12	1	1987	E1			CHICK	250.
12	1	1987	E2			CHICK	1000.
12	1	1987	E3			CHICK	1000.
12	1	1987	E4			CHICK	125.
19	1	1987	C1			CHICK	250.
19	1	1987	C2			CHICK	500.
19	1	1987	C3			CHICK	125.
19	1	1987	C4			CHICK	1000.
19	1	1987	C5			CHICK	500.
19	1	1987	C6			CHICK	250.
19	1	1987	C7			CHICK	500.
19	1	1987	C8			CHICK	125.
19	1	1987	E1			CHICK	250.
19	1	1987	E2			CHICK	1000.
19	1	1987	E3			CHICK	1000.
19	1	1987	E4			CHICK	125.
26	1	1987	C1			CHICK	250.
26	1	1987	C2			CHICK	500.
26	1	1987	C3			CHICK	125.
26	1	1987	C4			CHICK	1000.
26	1	1987	C5			CHICK	500.
26	1	1987	C6			CHICK	250.
26	1	1987	C7			CHICK	500.
26	1	1987	C8			CHICK	125.
26	1	1987	E1			CHICK	250.
26	1	1987	E2			CHICK	1000.
26	1	1987	E3			CHICK	1000.
26	1	1987	E4			CHICK	125.
2	2	1987	C1			CHICK	250.

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
2	2	1987	C2			CHICK	500.
2	2	1987	C3			CHICK	125.
2	2	1987	C4			CHICK	1000.
2	2	1987	C5			CHICK	500.
2	2	1987	C6			CHICK	250.
2	2	1987	C7			CHICK	500.
2	2	1987	C8			CHICK	125.
2	2	1987	E1			CHICK	250.
2	2	1987	E2			CHICK	1000.
2	2	1987	E3			CHICK	1000.
2	2	1987	E4			CHICK	125.
9	2	1987	C1			CHICK	250.
9	2	1987	C2			CHICK	500.
9	2	1987	C3			CHICK	125.
9	2	1987	C4			CHICK	1000.
9	2	1987	C5			CHICK	500.
9	2	1987	C6			CHICK	250.
9	2	1987	C7			CHICK	500.
9	2	1987	C8			CHICK	125.
9	2	1987	E1			CHICK	250.
9	2	1987	E2			CHICK	1000.
9	2	1987	E3			CHICK	1000.
9	2	1987	E4			CHICK	125.
16	2	1987	C1			CHICK	250.
16	2	1987	C2			CHICK	500.
16	2	1987	C3			CHICK	125.
16	2	1987	C4			CHICK	1000.
16	2	1987	C5			CHICK	500.
16	2	1987	C6			CHICK	250.
16	2	1987	C7			CHICK	500.
16	2	1987	C8			CHICK	125.
16	2	1987	E1			CHICK	250.
16	2	1987	E2			CHICK	1000.
16	2	1987	E3			CHICK	1000.
16	2	1987	E4			CHICK	125.
23	2	1987	C1			CHICK	250.
23	2	1987	C2			CHICK	500.
23	2	1987	C3			CHICK	125.
23	2	1987	C4			CHICK	1000.
23	2	1987	C5			CHICK	500.
23	2	1987	C6			CHICK	250.
23	2	1987	C7			CHICK	500.
23	2	1987	C8			CHICK	125.
23	2	1987	E1			CHICK	250.
23	2	1987	E2			CHICK	1000.
23	2	1987	E3			CHICK	1000.

TABLE 10. Nutrient and Lime Inputs. Bogor, Indonesia, Cycle 3, Wet Season

DAY	MONTH	YEAR	POND#	FEED TYPE	FEED QUANTITY	MANURE TYPE	MANURE QUANTITY
23	2	1987	E4			CHICK	125.
2	3	1987	C1			CHICK	250.
2	3	1987	C2			CHICK	500.
2	3	1987	C3			CHICK	125.
2	3	1987	C4			CHICK	1000.
2	3	1987	C5			CHICK	500.
2	3	1987	C6			CHICK	250.
2	3	1987	C7			CHICK	500.
2	3	1987	C8			CHICK	125.
2	3	1987	E1			CHICK	250.
2	3	1987	E2			CHICK	1000.
2	3	1987	E3			CHICK	1000.
2	3	1987	E4			CHICK	125.