

TABLE - A

Climatological Data for BARODA for 1969.

Month	Temperature(°C)		Hours of bright sunshine	Rainfall(mm)		% Average humidity at 8.30 a.m.	Wind velocity (miles per hour)	
	Mean Maximum	Mean Minimum		Days	Fall		Maximum	Minimum
January	31.1	13.6	9.3	0	0	69	14	2
February	35.7	15.4	9.5	0	0	67	20	1
March	39.2	20.8	9.40	0	0	52	30	1
April	41.7	23.2	9.60	0	0	43	21	2
May	42.1	23.8	11.20	0	0	52	49	6
June	36.4	27.1	9.51	19	130.0	76	52	10
July	32.6	26.3	5.00	18	343.6	76	36	4
August	30.3	24.9	2.04	18	221.1	74	27	3
September	32.3	24.3	6.80	6	341.9	81	14	5
October	36.5	26.9	10.10	0	0	65	18	3
November	37.9	20.1	9.23	0	0	39	28	2
December	24.6	14.3	8.52	0	0	36	-	-

TABLE - A (continued)

Climatological Data for BARODA for 1970

Month	Temperature (°C)		Hours of bright sunshine	Rainfall (mm)		% Average humidity at 8.30 a.m.	Wind velocity (miles per hour)	
	Mean Maximum	Mean Minimum		Days	Fall		Maximum	Minimum
January	20.8	12.6	9.80	0	0	68	-	-
February	35.0	15.1	8.81	0	0	23	7	0
March	32.5	18.5	10.00	0	0	49	-	-
April	40.1	20.5	9.17	0	0	61	18	3
May	41.8	27.5	10.93	0	0	71	34	6
June	35.4	26.2	6.11	13	201.4	75	34	7
July	32.7	25.5	5.77	17	178.1	53	18	3
August	30.2	24.7	3.00	26	565.9	92	18	0
September	31.5	24.3	5.89	15	362.1	89	21	0
October	31.6	24.8	10.18	14	34.1	89	-	-
November	34.4	15.4	9.6	0	0	74	-	-
December	32.0	12.6	9.7	0	0	74	-	-

TABLE - B

Water level and transparency in the Ajwa Reservoir on the days of

sample collection during 1969-70

1969 Date	Reservoir level(m)		Sachi's depth (m)	1970 Date	Reservoir level(m)		Sachi's depth (m)
	Recorded	Actual			Recorded	Actual	
March - 24	61.96	07.66	80	January - 7	62.81	08.51	105
April - 21	61.62	07.32	77	January - 27	62.91	08.61	110
May - 25	60.63	06.33	76	February - 19	62.83	08.53	117
June - 13	59.00	04.70	71	March - 23	62.49	08.19	127
July - 14	59.53	04.23	52	April - 16	62.21	07.91	125
August - 15	61.10	06.80	55	May - 16	61.89	07.59	115
September - 15	63.67	09.37	57	June - 14	61.80	07.50	105
October - 23	63.57	09.27	69	July - 15	62.77	08.47	47
November - 6	63.45	09.15	93	August - 9	62.74	08.44	63
November - 26	63.30	09.00	96	September - 16	63.90	09.60	190
December - 27	63.09	08.79	108	October - 16	63.94	09.64	250

TABLE - C

Showing the monthly maximum and minimum temperature (°C) of Atmosphere and in Surface and

Bottom layers in Ajwa Reservoir

ATMOSPHERIC TEMPERATURE															
MEAN MAXIMUM						MEAN MINIMUM									
Maximum		Maximum		Minimum		Maximum		Maximum		Minimum		Minimum			
Value	Month	Value	Month	Value	Month	Value	Month	Value	Month	Value	Month	Value	Month		
1969		1970		1969		1969		1970		1969		1970			
42.1	May	41.8	April	30.2	Augu- st	29.8	Jan.	26.8	June	26.1	June	13.0	Jan.	12.6	Jan.

WATER TEMPERATURE

SURFACE LAYER										BOTTOM LAYER									
I	25.8	May	26.7	June	20.4	Dec.	21.2	Jan.	27.4	May	27.3	June	20.6	Dec.	-	-	-	-	-
II	33.8	May	31.9	June	26.6	Dec.	23.7	Jan.	30.0	May	28.2	Apr.	21.2	Dec.	-	-	-	-	-
(I) Morning - (5-6 A.M.)										(II) Afternoon - (2-4 P.M.)									

TABLE - D

Vertical Distribution of Temperature (°C) in the Ajwa
Reservoir at Baroda (STATION A)

<u>Date</u>	<u>24th March, 1969</u>					
<u>Time</u>	0600	1000	1400	1800	2200	0200
<u>Depth</u>						
0.0	26.8	31.1	32.15	30.4	27.2	26.9
1 m	26.8	29.5	30.60	29.2	26.8	26.7
2 m	26.3	28.4	29.10	28.3	26.6	26.6
3 m	26.3	28.1	29.10	28.3	26.7	25.6
	<u>21st April, 1969</u>					
0.0	27.2	31.0	32.7	31.7	28.9	27.4
1 m	27.0	29.3	29.8	29.6	28.1	27.3
2 m	26.9	28.8	29.9	29.8	27.1	27.0
3 m	27.0	28.2	29.5	29.4	27.4	27.1
	<u>25th May, 1969</u>					
0.0	27.5	29.9	32.8	32.6	30.2	28.2
1 m	27.5	29.7	30.9	30.6	28.6	28.0
2 m	27.3	29.0	29.4	29.2	28.2	27.6
3 m	27.0	28.5	28.9	28.7	27.9	27.5
	<u>14th June, 1969</u>					
0.0	27.7	30.8	32.1	31.7	28.9	27.3
1 m	27.5	30.7	31.7	31.1	28.8	27.4
2 m	27.5	29.9	30.7	30.1	28.2	27.4
3 m	27.3	28.9	29.4	29.4	28.0	27.3
	<u>14th July, 1969</u>					
0.0	26.9	29.0	30.4	30.1	27.9	27.1

TABLE - D (continued)

Date Time Depth	0600	1000	1400	1800	2200	0200
1 m	26.9	28.1	30.3	30.1	27.0	27.0
2 m	26.8	27.9	29.2	29.2	28.9	26.9
3 m	26.5	27.8	29.1	28.6	28.9	26.8
4 m	26.3	27.4	28.9	27.8	28.1	26.5
5m	26.3	27.4	28.7	27.7	28.0	26.5

15th August, 1969

0.0	26.8	29.4	30.4	29.8	28.8	27.5
1 m	26.8	28.9	30.0	29.6	28.6	27.5
2 m	26.8	28.3	29.4	28.4	28.3	27.2
3 m	26.7	27.6	28.7	28.3	28.2	26.9
4 m	26.7	27.3	27.9	27.9	27.8	26.9
5 m	26.7	27.0	27.5	27.8	27.8	26.9

15th September, 1969

0.0	26.0	27.6	29.8	29.3	27.5	26.6
1 m	26.0	27.6	29.8	29.1	27.5	26.6
2 m	26.1	27.2	28.7	28.3	27.4	26.6
3 m	26.2	26.9	28.3	27.5	27.3	26.4
4 m	26.2	26.9	28.0	27.5	27.4	26.4
5 m	26.0	26.7	27.6	27.4	27.2	26.4

23rd October 1969

0.0	27.5	30.2	31.8	31.5	29.9	28.2
1 m	27.3	29.1	30.9	30.6	29.6	27.9
2 m	27.3	28.6	29.7	29.4	28.5	27.8
3 m	27.0	27.9	28.9	28.7	28.4	27.3
4 m	27.0	27.8	28.2	27.7	27.6	27.2
5 m	26.6	27.0	27.6	27.2	27.2	26.9

TABLE - D (continued)

Date Time	<u>6th November, 1969</u>					
	0600	1000	1400	1800	2200	0200
Depth						
0.0	26.6	27.9	29.0	29.0	27.8	27.2
1 m	26.8	27.8	28.7	28.7	27.5	27.1
2 m	26.8	27.6	28.2	28.2	27.3	27.0
3 m	26.8	27.0	27.1	27.1	26.8	26.9
4 m	26.7	27.0	27.1	27.1	26.8	26.9
5 m	26.6	27.0	27.0	27.0	26.9	26.9
		<u>26th November, 1969</u>				
0.0	26.4	27.4	29.0	28.1	27.3	26.6
1 m	26.2	27.6	28.7	27.9	27.1	26.8
2 m	26.2	27.0	28.2	27.6	27.2	26.8
3 m	26.4	26.9	27.1	27.2	26.8	26.6
4 m	26.4	26.9	27.0	27.0	26.8	26.6
5 m	26.4	26.8	27.0	27.0	26.9	26.6
		<u>27th December, 1969</u>				
0.0	20.6	23.8	26.3	26.0	24.7	21.4
1 m	20.5	22.7	23.1	23.0	22.2	21.5
2 m	20.9	21.9	22.2	22.1	21.5	21.1
3 m	20.7	21.1	21.4	21.3	21.4	21.1
4 m	20.6	20.9	21.2	21.1	21.0	20.8
5 m	20.6	20.8	21.0	21.0	20.9	20.7
		<u>7th January, 1970</u>				
0.0	20.2	21.5	23.7	23.5	22.7	21.6
1 m	20.2	21.7	22.2	22.0	21.3	21.0
2 m	20.0	21.7	21.9	21.9	21.2	20.4
3 m	20.0	20.3	20.6	20.6	20.1	20.0
4 m	19.9	20.2	20.6	20.4	19.9	19.9
5 m	19.9	20.2	20.4	20.4	19.9	19.9

TABLE - D (continued)

		<u>27th January, 1970</u>				
Date						
Time	0600	1000	1400	1800	2200	0200
Depth						
0.0	19.1	21.5	23.0	22.5	22.0	21.3
1 m	19.4	20.7	22.0	21.7	21.7	20.4
2 m	19.3	20.5	21.6	21.6	21.5	20.4
3 m	19.5	20.3	21.3	21.2	21.1	20.5
4 m	19.5	20.0	21.0	20.8	20.7	20.4
5 m	19.5	20.0	20.7	20.3	20.3	20.1
		<u>19th February, 1970</u>				
0.0	19.9	21.7	23.4	22.1	21.1	21.0
1 m	20.0	21.4	23.4	21.9	21.1	20.4
2 m	20.0	21.1	22.9	21.6	21.0	20.2
3 m	20.1	20.8	22.2	21.2	20.9	20.3
4 m	20.1	20.6	20.9	20.9	20.6	20.3
5 m	20.1	20.6	20.7	20.7	20.7	20.4
		<u>23rd March, 1970</u>				
0.0	26.0	28.2	30.6	30.5	27.3	26.3
1 m	25.9	26.8	28.3	27.9	27.0	25.9
2 m	25.5	26.5	27.6	26.6	26.5	26.0
3 m	25.4	26.0	26.7	26.1	26.0	25.6
4 m	25.2	25.6	25.8	25.6	25.8	25.4
5 m	25.1	25.3	25.8	25.4	25.4	25.6
		<u>16th April, 1970</u>				
Time	1800	2400	0600	1600		
0.0	30.4	28.9	27.7	31.9		
1 m	29.3	28.6	27.5	31.1		
2 m	28.5	28.2	27.4	30.1		
3 m	28.2	28.0	27.4	29.1		
4 m	28.0	27.8	27.5	28.4		
5 m	27.7	27.6	27.5	28.2		

TABLE -D (Continued)

Date Time	<u>16th May, 1970</u>			
	1800	2400	0600	1600
Depth				
0.0	31.6	30.8	27.6	32.3
1 m	31.1	30.9	28.0	31.9
2 m	30.0	29.3	28.3	30.9
3 m	29.3	28.9	28.0	30.3
4 m	29.1	28.8	28.0	29.9
5m	29.0	28.7	28.1	29.8
		<u>14th June, 1970</u>		
0.0	30.4	28.9	27.6	31.4
1 m	30.3	29.0	27.5	31.0
2 m	29.6	29.0	27.7	30.3
3 m	28.8	28.9	27.7	29.7
4 m	28.1	28.9	27.3	29.1
5 m	28.3	28.6	27.3	28.7
		<u>15th July, 1970</u>		
0.0	30.1	28.6	26.4	30.9
1 m	29.5	26.7	26.4	30.8
2 m	28.9	28.3	26.9	30.7
3 m	28.4	27.9	27.0	30.0
4 m	28.2	27.8	27.0	29.6
5 m	28.0	27.5	27.0	28.4
		<u>9th August, 1970</u>		
0.9	29.5	28.3	27.1	29.9
1 m	28.8	28.5	27.0	29.4
2 m	28.9	28.1	26.7	29.1
3 m	29.0	27.9	26.4	29.1
4 m	29.0	27.7	26.3	29.1
5 m	29.0	27.8	26.4	29.1

TABLE - D (continued)

Date	<u>16th September, 1970</u>			
	1800	2400	0600	1600
Depth				
0.0	27.8	27.2	26.0	28.6
1 m	27.4	27.0	26.3	28.3
2 m	27.1	26.8	26.2	28.0
3 m	27.0	26.6	26.3	27.7
4 m	27.1	26.7	26.2	27.4
5 m	27.1	26.7	26.2	27.4
		<u>16th October, 1970</u>		
0.0	31.0	29.8	27.4	31.1
1 m	30.9	29.7	27.5	31.0
2 m	30.7	29.4	26.9	31.0
3 m	30.3	29.1	26.6	30.9
4 m	29.3	28.8	26.7	30.1
5 m	29.1	28.7	26.8	29.3

TABLE - E

Vertical Distribution of Oxygen (mg/l) in the
Ajwa Reservoir during 1969 and 1970 (STATION A)

<u>Date</u>	<u>March 24, 1969</u>					
<u>Time</u>	0600	1000	1400	1800	2200	0200
<u>Depth</u>						
0.0	6.3	7.4	8.1	8.4	6.8	6.2
1 m	6.0	7.0	7.7	7.6	6.2	5.8
2 m	5.0	6.4	6.7	6.9	5.5	5.1
3 m	5.0	5.6	6.0	6.2	5.0	4.8
	<u>April 21, 1969</u>					
0.0	6.6	7.5	7.8	7.9	7.2	6.9
1 m	6.0	7.0	7.5	7.7	6.8	6.1
2 m	6.0	6.8	6.9	6.9	6.1	5.9
3 m	6.0	6.3	6.4	6.5	6.0	5.8
	<u>May 25, 1969</u>					
0.0	6.0	7.4	7.6	7.8	6.7	6.6
1 m	5.6	7.0	7.2	7.3	6.0	5.4
2 m	5.3	6.2	6.5	6.5	5.5	5.2
3 m	5.1	5.8	6.0	6.0	5.3	5.1
	<u>June 13, 1969</u>					
0.0	5.6	7.0	7.4	7.5	6.4	5.8
1 m	5.6	6.4	6.6	6.8	5.6	5.4
2 m	5.0	6.1	6.5	6.6	5.4	5.1
3 m	4.9	5.4	5.6	5.5	5.2	5.0
	<u>July 14, 1969</u>					
0.0	6.6	7.1	7.6	7.8	7.0	6.6
1 m	6.6	6.8	7.2	7.4	6.6	6.6
2 m	6.3	6.7	7.0	7.1	6.5	6.4
3 m	6.0	6.5	6.7	6.8	6.3	6.0
4 m	5.8	6.2	6.3	6.3	5.9	5.9
5 m	5.8	6.0	6.1	6.2	5.9	5.9

TABLE - E (continued)

Date		<u>August 15, 1969</u>				
Time	0000	1000	1400	1800	2200	0200
Depth						
0.0	7.0	7.6	8.0	8.1	7.3	7.0
1 m	6.8	7.4	7.6	7.6	7.2	6.9
2 m	6.8	7.2	7.5	7.6	7.0	6.7
3 m	6.3	7.0	7.1	7.2	6.9	6.4
4 m	6.2	6.7	7.0	7.1	6.5	6.2
5 m	6.0	6.2	6.3	6.4	6.3	5.9
<u>September 15, 1969</u>						
0.0	7.0	7.7	8.1	8.4	7.4	7.0
1 m	7.0	7.4	7.9	8.0	7.0	7.0
2 m	6.6	7.0	7.4	7.5	6.9	6.7
3 m	6.1	6.6	7.0	7.0	6.5	6.2
4 m	6.0	6.4	6.5	6.5	6.3	6.0
5 m	6.0	6.1	6.2	6.2	6.1	6.0
<u>October 23, 1969</u>						
0.0	4.9	5.2	5.6	5.8	5.2	4.9
1 m	4.6	4.9	5.4	5.5	5.1	4.7
2 m	4.4	4.6	4.9	5.0	5.0	4.6
3 m	4.1	4.6	4.7	4.8	4.6	4.3
4 m	4.0	4.3	4.4	4.4	4.3	4.1
5 m	4.0	4.1	4.1	4.1	4.1	4.1
<u>November 6, 1969</u>						
0.0	3.7	4.6	5.6	5.8	4.9	4.2
1 m	3.7	4.4	5.3	5.6	4.8	3.9
2 m	3.7	4.2	4.9	5.0	4.5	4.0
3 m	3.5	4.0	4.4	4.8	4.3	3.6
4 m	3.3	3.7	4.0	4.1	4.0	3.5
5 m	3.2	3.4	3.6	3.6	3.4	3.3

TABLE - E (continued)

Date	<u>November 26, 1969</u>					
Time	0600	1000	1400	1800	2200	0200
Depth						
0.0	4.7	5.2	5.4	5.6	5.0	4.9
1 m	4.3	5.0	5.2	5.3	4.6	4.4
2 m	4.0	4.4	4.8	4.9	4.4	4.1
3 m	3.8	4.1	4.4	4.4	3.9	3.9
4 m	3.8	4.0	4.2	4.2	3.9	3.8
5 m	3.6	3.7	3.8	3.8	3.8	3.6
		<u>December, 27, 1969</u>				
0.0	6.0	6.7	7.2	7.4	6.5	6.2
1 m	5.7	6.5	7.0	7.1	6.3	6.0
2 m	5.4	6.1	6.8	6.9	6.0	5.6
3 m	5.4	5.9	6.4	6.5	5.9	5.5
4 m	5.3	5.7	6.0	6.0	5.7	5.3
5 m	5.3	5.5	5.7	5.7	5.4	5.3
		<u>January 7, 1970</u>				
0.0	4.0	5.1	5.4	5.8	4.9	4.3
1 m	3.9	5.0	5.2	5.4	4.7	4.0
2 m	3.7	4.9	5.0	5.1	4.4	3.9
3 m	3.6	4.4	4.6	4.7	4.1	3.7
4 m	3.6	4.1	4.3	4.5	3.9	3.6
5 m	3.6	3.8	3.9	4.0	3.6	3.5
		<u>January 27, 1970</u>				
0.0	4.5	5.8	6.4	6.7	5.9	5.6
1 m	4.4	5.6	5.9	6.1	5.5	5.1
2 m	4.1	5.0	5.3	5.5	5.1	4.4
3 m	3.9	4.4	4.9	5.0	4.8	4.0
4 m	3.8	4.1	4.6	4.7	4.4	4.0
5 m	3.7	4.0	4.2	4.3	4.1	3.9

TABLE - E (continued)

Date Time	<u>February 19, 1970</u>					
	0600	1000	1400	1800	2200	0200
Depth						
0.0	5.1	6.0	6.4	6.6	5.9	5.4
1 m	5.1	5.7	6.0	6.2	5.7	5.3
2 m	5.0	5.6	5.9	6.0	5.4	5.0
3 m	4.8	5.2	5.5	5.6	5.2	4.9
4 m	4.7	5.0	5.2	5.2	5.0	4.8
5 m	4.4	4.5	4.7	4.7	4.4	4.4
		<u>March 23, 1970</u>				
0.0	4.4	5.2	6.0	6.3	5.5	4.6
1 m	4.2	4.8	5.4	5.7	5.0	4.3
2 m	3.9	4.4	5.0	5.1	4.7	4.0
3 m	3.7	4.1	4.6	4.8	4.0	3.9
4 m	3.7	3.9	4.2	4.3	3.9	3.8
5 m	3.6	3.7	3.9	4.0	3.9	3.8
		<u>April 16, 1970</u>				
Time	1800	2400	0600	1600		
0.0	7.4	6.4	5.5	7.4		
1 m	7.1	5.9	5.3	7.0		
2 m	6.5	5.2	5.0	6.4		
3 m	5.8	4.9	4.7	5.8		
4 m	4.9	4.5	4.5	4.9		
5 m	4.6	4.5	4.4	4.6		
		<u>May 14, 1970</u>				
0.0	7.8	5.9	5.3	7.8		
1 m	7.4	5.6	5.3	7.4		
2 m	7.1	5.6	5.1	7.1		
3 m	6.8	5.0	5.0	6.8		
4 m	6.2	4.7	4.7	6.2		
5 m	5.7	4.7	4.6	5.7		

TABLE - E (Continued)

Date		<u>June 14, 1970</u>			
Time	1800	2400	0600	1600	
Depth					
0.0	7.0	6.2	5.4	7.0	
1 m	6.9	6.0	5.2	6.7	
2 m	6.8	5.9	5.0	6.7	
3 m	6.5	5.7	5.0	6.4	
4 m	6.0	5.4	4.8	6.0	
5 m	5.6	5.0	4.6	5.5	
<u>July 15, 1970</u>					
0.0	5.9	4.9	4.3	5.9	
1 m	5.2	4.5	4.1	5.1	
2 m	4.9	4.2	4.0	5.0	
3 m	4.8	4.0	3.9	4.8	
4 m	4.1	3.5	3.7	4.1	
5 m	4.0	3.5	3.3	4.0	
<u>August 9, 1970</u>					
0.0	6.4	5.5	4.9	6.3	
1 m	6.0	5.3	4.6	5.9	
2 m	5.9	5.0	4.3	5.7	
3 m	5.7	4.6	4.0	5.6	
4 m	5.0	4.4	4.0	5.0	
5 m	4.6	4.2	3.9	4.5	
<u>September 16, 1970</u>					
0.0	6.6	5.6	5.2	6.5	
1 m	6.6	5.2	5.1	6.4	
2 m	6.4	4.8	4.7	6.2	
3 m	6.0	4.5	4.3	6.0	
4 m	5.6	4.3	4.2	5.6	
5 m	4.9	4.2	4.1	4.9	

TABLE - E (continued)

Date	<u>October 16, 1970</u>			
Time	1800	2400	0600	1600
Depth				
0.0	7.1	6.6	6.0	7.0
1 m	6.8	6.2	5.9	6.8
2 m	6.5	6.0	5.8	6.4
3 m	5.8	5.5	5.4	5.7
4 m	5.7	5.3	5.1	5.7
5 m	5.5	5.3	5.1	5.5

TABLE - F

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Gross and net Primary production determined from Oxygen evolution; and corrected for respiration and adjusted net production in the Ajwa Reservoir at Baroda for 1969-1970 (STATION A)

Year and month	Day length in hrs./mts.	Solar Radiation Langley/day	Rate of photosynthesis $\text{gO}_2/\text{m}^2/\text{hr.}$	Net production per day $\text{gO}_2/\text{m}^2/\text{day}$	Rate of Respiration $\text{gO}_2/\text{m}^2/\text{hr}$	Respiration per day $\text{gO}_2/\text{m}^2/\text{day}$	Gross production $\text{gO}_2/\text{m}^2/\text{day}$
<u>1 9 6 9</u>							
March - 24	12-00	217.31	0.143	1.716	0.157	1.884	3.600
April - 21	13-16	252.56	0.096	1.272	0.097	1.274	2.546
May - 25	13-01	267.34	0.118	1.494	0.118	1.494	2.988
June - 13	13-16	260.70	0.111	1.471	0.111	1.471	2.942
July - 14	13-09	263.14	0.064	0.828	0.064	0.828	1.656
August - 15	12-46	191.24	0.066	0.842	0.066	0.842	1.684
September - 15	12-15	179.64	0.061	0.741	0.061	0.741	1.482
October - 23	11-43	150.40	0.051	0.599	0.051	0.599	1.198
November - 6	11-14	163.19	0.127	1.378	0.126	1.378	2.758
November - 26	11-14	163.19	0.066	0.679	0.066	0.679	1.358
December - 27	11-00	157.54	0.094	1.034	0.094	1.034	2.068
A v e r a g e			<u>0.091</u>	<u>1.14</u>	<u>0.091</u>	<u>1.14</u>	<u>2.28</u>

1 9 7 0

January - 7	11-00	155.25	0.099	1.039	0.099	1.039	2.178
January - 27	11-06	155.25	0.107	1.187	0.107	1.187	2.374
February - 19	11-27	192.20	0.071	0.813	0.071	0.813	1.626
March - 23	12-00	217.31	0.092	0.864	0.092	0.864	1.728
April - 16	13-16	252.56	0.096	1.272	0.096	1.274	2.544
May - 15	13-01	267.34	0.152	1.976	0.152	1.976	3.952
June - 14	13-16	260.70	0.126	1.670	0.126	1.670	3.340
July - 15	13-09	263.14	0.074	0.980	0.074	0.980	1.960
August - 9	12-46	191.24	0.113	1.440	0.113	1.440	2.880
September - 15	12-15	179.64	0.123	1.507	0.123	1.507	3.014
October - 16	11-43	150.40	0.141	1.650	0.141	1.650	3.300
Average			<u>0.107</u>	<u>1.310</u>	<u>0.107</u>	<u>1.310</u>	<u>2.62</u>

TABLE - G

Production and Respiration at various depths in Ajwa Reservoir
for 1969 and 1970 (STATION A)

<u>Date</u>	<u>March 24, 1969</u>			
	P $\text{O}_2/\text{m}^3/\text{h}$	R $\text{O}_2/\text{m}^3/\text{h}$	P $\text{O}_2/\text{m}^3/\text{day}$	R $\text{O}_2/\text{m}^3/\text{day}$
<u>Depth</u>				
0.0	0.195	0.275	2.1	3.3
1 m	0.133	0.2	1.6	2.7
2 m	0.158	0.225	1.9	2.7
3 m	0.100	0.175	1.2	2.1
	<u>April 21, 1969</u>			
0.0	0.108	0.108	1.43	1.43
1 m	0.141	0.141	1.87	1.87
2 m	0.075	0.075	1.87	1.87
3 m	0.041	0.041	0.99	0.99
	<u>May 25, 1969</u>			
0.0	0.150	0.150	1.95	1.95
1 m	0.133	0.133	1.73	1.73
2 m	0.100	0.100	1.30	1.30
3 m	0.075	0.075	0.98	0.98
	<u>June 13, 1969</u>			
0.0	0.158	0.158	2.09	2.09
1 m	0.100	0.100	1.33	1.33
2 m	0.133	0.133	1.76	1.76
3 m	0.050	0.050	0.66	0.66
	<u>July 14, 1969</u>			
0.0	0.100	0.100	1.32	1.32
1 m	0.067	0.067	0.88	0.88
2 m	0.067	0.067	0.88	0.88
3 m	0.067	0.067	0.88	0.88
4 m	0.041	0.041	0.54	0.54
5 m	0.033	0.033	0.43	0.43

TABLE-G (continued)

Date	<u>August 15, 1969</u>			
	P $90_2/m^3/h$	R $90_2/m^3/h$	P $90_2/m^3/day$	R $90/m^3/day$
Depth				
0.0	0.093	0.093	1.19	1.19
1 m	0.067	0.067	0.85	0.85
2 m	0.067	0.067	0.85	0.85
3 m	0.075	0.075	0.96	0.96
4 m	0.075	0.075	0.96	0.96
5 m	0.033	0.033	0.42	0.42
		<u>September 15, 1969</u>		
0.0	0.117	0.117	1.42	1.42
1 m	0.083	0.083	1.01	1.01
2 m	0.075	0.075	0.91	0.91
3 m	0.075	0.075	0.91	0.91
4 m	0.041	0.041	0.50	0.50
5 m	0.017	0.017	0.21	0.21
		<u>October 23, 1969</u>		
0.0	0.075	0.075	0.88	0.88
1 m	0.075	0.075	0.88	0.88
2 m	0.050	0.050	0.58	0.58
3 m	0.058	0.058	0.68	0.68
4 m	0.033	0.033	0.39	0.39
5 m	0.003	0.008	0.09	0.09
		<u>November 6, 1969</u>		
0.0	0.175	0.175	1.96	1.96
1 m	0.158	0.158	1.77	1.77
2 m	0.108	0.108	1.21	1.21
3 m	0.103	0.103	1.21	1.21
4 m	0.075	0.075	0.84	0.84
5 m	0.033	0.033	0.37	0.37

TABLE - G (continued)

Date	<u>November 26, 1969</u>			
	P $\text{O}_2/\text{m}^3/\text{h}$	R $\text{O}_2/\text{m}^3/\text{h}$	P $\text{O}_2/\text{m}^3/\text{day}$	R $\text{O}_2/\text{m}^3/\text{day}$
Depth				
0.0	0.075	0.075	0.84	0.84
1 m	0.083	0.083	0.93	0.93
2 m	0.075	0.075	0.84	0.84
3 m	0.050	0.050	0.56	0.56
4 m	0.033	0.033	0.37	0.37
5 m	0.017	0.017	0.19	0.19
		<u>December 27, 1969</u>		
0.0	0.117	0.117	1.95	1.95
1 m	0.117	0.117	1.29	1.29
2 m	0.127	0.127	1.40	1.40
3 m	0.093	0.093	1.02	1.02
4 m	0.058	0.058	0.64	0.64
5 m	0.033	0.033	0.36	0.36
		<u>January 7, 1971.</u>		
0.0	0.150	0.150	1.67	1.67
1 m	0.127	0.127	1.41	1.41
2 m	0.117	0.117	1.30	1.30
3 m	0.083	0.083	0.92	0.92
4 m	0.075	0.075	0.83	0.83
5 m	0.033	0.033		
		<u>January 27, 1970</u>		
0.0	0.183	0.183	2.03	2.03
1 m	0.141	0.141	1.57	1.57
2 m	0.117	0.117	1.3	1.3
3 m	0.093	0.093	1.03	1.03
4 m	0.075	0.075	0.83	0.83
5 m	0.050	0.050	0.55	0.55

TABLE -G (Continued)

Date	<u>February 19, 1970</u>			
Depth	P $\text{O}_2/\text{m}^2/\text{h}$	R $\text{O}_2/\text{m}^3/\text{h}$	P $\text{O}_2/\text{m}^3/\text{day}$	R $\text{O}_2/\text{m}^3/\text{day}$
0.0	0.127	0.127	1.45	1.45
1 m	0.093	0.093	1.06	1.06
2 m	0.083	0.083	0.95	0.95
3 m	0.067	0.067	0.76	0.76
4 m	0.041	0.041	0.47	0.47
5 m	0.025	0.025	0.29	0.29
<u>March 23, 1970</u>				
0.0	0.158	0.158	1.90	1.90
1 m	0.127	0.127	1.52	1.52
2 m	0.100	0.100	1.2	1.2
3 m	0.075	0.075	0.9	0.9
4 m	0.041	0.041	0.49	0.49
5m	0.033	0.033	0.40	0.40
<u>April 16, 1970</u>				
0.0	0.158	0.158	2.09	2.09
1 m	0.150	0.150	2.00	2.00
2 m	0.127	0.127	1.68	1.68
3 m	0.075	0.075	0.99	0.99
4 m	0.033	0.033	0.44	0.44
5 m	0.017	0.017	0.23	0.23
<u>May 14, 1970</u>				
0.0	0.127	0.127	1.65	1.65
1 m	0.093	0.093	1.21	1.21
2 m	0.083	0.083	1.08	1.08
3 m	0.150	0.150	1.95	1.95
4 m	0.127	0.127	1.65	1.65
5 m	0.093	0.093	1.21	1.21

TABLE - G (continued)

Date	<u>June 14, 1970</u>			
Depth	P $90_2/m^3/h$	R $90_2/m^3/h$	R $90_2/m^3/day$	R $90_2/m^3/day$
0.0	0.133	0.133	1.76	1.76
1 m	0.133	0.133	1.76	1.76
2 m	0.167	0.167	2.21	2.21
3 m	0.127	0.127	1.68	1.68
4 m	0.100	0.100	1.33	1.33
5 m	0.083	0.083	1.10	1.10
<u>July 15, 1970</u>				
0.0	0.133	0.133	1.75	1.75
1 m	0.093	0.093	1.22	1.22
2 m	0.075	0.075	0.99	0.99
3 m	0.075	0.075	0.99	0.99
4 m	0.033	0.033	0.43	0.43
5 m	0.058	0.058	0.76	0.76
<u>August 9, 1970</u>				
0.0	0.117	0.117	1.49	1.49
1 m	0.117	0.117	1.49	1.49
2 m	0.133	0.133	1.69	1.69
3 m	0.141	0.141	1.79	1.79
4 m	0.083	0.083	1.06	1.06
5 m	0.058	0.058	0.74	0.74
<u>September 16, 1970</u>				
0.0	0.117	0.117	1.42	1.42
1 m	0.127	0.127	1.54	1.54
2 m	0.141	0.141	1.71	1.71
3 m	0.141	0.141	1.71	1.71
4 m	0.117	0.117	1.42	1.42
5 m	0.067	0.067	0.81	0.81

TABLE - G (continued)

Date	<u>October 16, 1970</u>			
	$\bar{P}$ $\text{O}_2/\text{m}^3/\text{h}$	R $\text{O}_2/\text{m}^3/\text{h}$	$\bar{P}$ $\text{O}_2/\text{m}^3/\text{day}$	R $\text{O}_2/\text{m}^3/\text{day}$
Depth				
0.0	0.092	0.092	1.07	1.07
1 m	0.092	0.092	1.07	1.07
2 m	0.058	0.058	0.68	0.68
3 m	0.033	0.033	0.39	0.39
4 m	0.050	0.050	0.58	0.58
5 m	0.033	0.033	0.39	0.39

TABLE - H

Vertical distribution of temperature ($^{\circ}\text{C}$) in the Ajwa Reservoir at Baroda (STATION B).

<u>Date</u>		<u>23rd October, 1969</u>					
<u>Time</u>		0600	1000	1400	1800	2200	0200
<u>Depth</u>							
0.0		26.9	29.9	31.6	31.1	30.1	27.9
1 m		26.6	29.0	30.5	30.5	29.2	27.3
2 m		26.5	28.1	28.9	28.8	28.8	27.1
3 m		26.3	27.4	28.1	28.1	28.0	26.9
4 m		26.0	26.9	27.4	27.1	27.0	26.9
5 m		25.9	26.1	27.0	26.9	26.7	26.3
		<u>6th November, 1969</u>					
0.0		26.4	27.1	28.1	28.0	27.0	26.6
1 m		26.4	27.0	28.0	28.0	26.8	26.7
2 m		26.1	26.6	27.9	27.8	26.9	26.4
3 m		25.9	26.4	27.2	27.2	26.6	26.1
4 m		25.9	26.3	26.9	26.9	26.5	26.0
5 m		25.7	26.1	26.7	26.7	26.2	25.9
		<u>25th November, 1969</u>					
0.0		26.1	27.0	28.9	28.8	27.4	26.6
1 m		26.3	27.0	28.6	28.6	27.5	26.4
2 m		26.5	26.9	28.1	28.1	27.0	26.7
3 m		26.5	26.7	27.1	27.1	26.9	26.6
4 m		26.4	26.6	27.0	27.0	26.8	26.6
5 m		26.2	26.6	27.0	27.0	26.8	26.6
		<u>27th December, 1969</u>					
0.0		20.1	23.9	26.0	26.0	24.9	21.7
1 m		20.1	22.8	23.3	23.2	22.9	21.5
2 m		20.2	22.0	23.0	22.8	22.4	21.3
2 m		20.3	21.7	22.1	21.9	21.3	21.1
4 m		20.3	20.9	21.7	21.2	20.9	20.7
5 m		20.2	20.6	21.2	20.9	20.7	20.6

TABLE - H (contd.)

<u>Date</u>		<u>7th January 1970</u>				
<u>Time</u>		0600	1000	1400	1800	2200
<u>Depth</u>						0200
0.0		20.8	22.1	23.9	23.5	22.1
1 m		20.8	21.6	22.0	22.0	21.9
2 m		20.6	21.4	21.9	21.9	21.9
3 m		20.6	21.1	21.4	21.3	21.1
4 m		20.7	21.0	21.1	21.3	21.0
5 m		20.7	20.9	20.9	21.0	20.9
<u>27th January, 1970</u>						
0.0		19.4	21.7	23.1	22.9	22.3
1 m		19.5	20.9	23.0	22.1	22.0
2 m		19.5	20.6	22.0	21.9	21.9
3 m		19.7	20.3	21.4	21.3	21.3
4 m		19.7	20.1	21.1	20.9	20.7
5 m		19.6	20.0	20.7	20.5	20.5
<u>19th February, 1970</u>						
0.0		20.0	21.9	23.2	22.7	22.0
1 m		20.0	21.3	23.0	22.9	22.1
2 m		20.2	20.9	22.6	22.5	22.1
3 m		20.2	20.6	21.7	21.4	21.4
4 m		20.3	20.8	21.3	21.3	21.2
5 m		20.3	20.8	21.1	21.1	20.8
<u>23rd March 1970</u>						
0.0		25.2	27.0	29.3	29.2	26.7
1 m		25.6	26.4	27.4	27.3	26.9
2 m		25.6	26.1	26.6	26.0	26.0
3 m		25.4	26.1	26.4	25.9	25.6
4 m		24.7	26.0	26.2	25.8	25.3
5 m		24.4	25.0	25.3	25.3	25.3

TABLE - H (continued)

Date	<u>16th April 1970</u>			
Time	1800	2400	0600	1600
Depth				
0.0	30.1	28.9	27.1	31.5
1 m	29.4	28.8	27.2	31.0
2 m	28.5	28.1	27.2	30.0
3 m	28.1	27.9	27.3	29.3
4 m	28.0	27.9	27.3	28.6
5 m	27.8	27.5	27.4	28.0
<u>16th May, 1970</u>				
0.0	31.4	30.3	27.0	32.1
1 m	31.1	29.9	27.6	31.8
2 m	29.2	29.0	27.4	31.0
3 m	29.2	28.8	27.0	29.7
4 m	29.0	28.7	27.0	29.4
5 m	29.0	28.6	27.0	29.4
<u>14th June, 1970</u>				
0.0	30.4	28.9	27.3	31.3
1 m	30.3	28.9	27.3	30.9
2 m	29.8	28.9	27.5	30.6
3 m	28.6	28.2	27.5	29.5
4 m	28.4	28.2	27.4	28.9
5 m	28.3	28.0	27.4	28.5
<u>15th July, 1970</u>				
0.0	29.9	28.6	26.1	30.7
1 m	29.5	28.6	26.1	30.7
2 m	28.9	28.1	26.3	30.1
3 m	28.4	28.0	26.5	29.6
4 m	28.4	27.7	26.5	29.4
5 m	28.1	27.5	26.5	28.3

TABLE - H (continued)

Date	<u>9th August, 1970</u>			
Time	1800	2400	0600	1600
Depth				
0.0	29.3	28.5	26.9	30.1
1 m	28.7	28.0	26.9	29.6
2 m	28.8	27.8	26.9	29.3
3 m	29.0	27.8	27.0	29.0
4 m	28.8	27.4	27.0	28.8
5 m	28.7	27.5	27.1	28.7
<u>16th September, 1970.</u>				
0.0	28.9	28.1	26.3	28.9
1 m	28.4	27.9	26.1	28.4
2 m	28.1	27.6	26.0	28.1
3 m	27.6	27.3	26.1	27.7
4 m	27.7	27.3	26.1	27.7
5 m	27.8	27.4	26.2	27.9
<u>16th October 1970</u>				
0.0	31.0	30.0	27.2	31.2
1 m	30.8	29.9	27.1	30.9
2 m	30.4	29.6	27.1	30.4
3 m	30.1	29.2	27.0	30.3
4 m	29.7	28.6	27.0	29.7
5 m	29.4	28.8	27.0	29.4

TABLE - I

Vertical distribution of oxygen (mg/l) in Ajwa Reservoir
during 1969 and 1970 (STATION B)

<u>Date</u>	<u>October 23, 1969</u>					
<u>Time</u>	0600	1000	1400	1800	2200	0200
<u>Depth</u>						
0.0	5.2	6.6	6.8	7.1	6.2	5.4
1 m	5.0	6.4	6.6	6.8	6.1	5.2
2 m	4.6	6.2	6.4	6.5	5.9	4.9
3 m	4.6	5.5	6.0	6.1	5.4	4.8
4 m	4.4	5.1	5.4	5.5	5.0	4.6
5 m	4.4	4.6	4.9	5.0	4.8	4.5
	<u>November 6, 1969</u>					
0.0	4.1	5.6	6.3	6.5	5.4	4.8
1 m	4.0	4.9	5.7	6.1	5.2	4.6
2 m	3.8	4.5	5.4	5.7	4.9	4.2
3 m	3.6	4.2	4.7	4.8	4.1	3.7
4 m	3.4	3.7	4.0	4.1	3.7	3.4
5 m	3.0	3.2	3.5	3.5	3.3	3.1
	<u>November 26, 1969</u>					
0.0	4.4	5.6	6.3	6.5	5.7	4.7
1 m	4.2	5.2	6.0	6.2	5.4	4.2
2 m	4.0	4.9	5.5	5.8	5.0	4.0
3 m	4.0	4.6	5.2	5.5	4.8	4.0
4 m	3.7	4.1	4.6	4.7	4.3	3.9
5 m	3.6	3.8	4.0	4.1	3.8	3.6
	<u>December 27, 1969</u>					
0.0	5.2	6.6	7.4	7.8	6.2	5.4
1 m	5.0	6.3	7.2	7.5	6.0	5.2
2 m	4.8	6.0	7.0	7.2	6.0	5.1
3 m	4.8	5.6	6.2	6.3	5.7	5.0
4 m	4.6	5.2	5.8	5.9	5.4	4.8
5 m	4.4	4.8	5.2	5.3	5.1	4.6

TABLE - I (Continued)

Date Time	<u>January 7, 1970</u>					
	0600	1000	1400	1800	2200	0200
Depth						
0.0	4.8	5.9	6.8	7.0	5.8	5.1
1 m	4.8	5.6	6.4	6.8	5.6	4.8
2 m	4.7	5.5	6.1	6.3	5.4	4.8
3 m	4.5	5.3	5.9	6.0	5.1	4.6
4 m	4.2	4.7	5.2	5.4	4.7	4.3
5 m	4.1	4.4	4.5	4.6	4.3	4.1
		<u>January 27, 1970</u>				
0.0	4.8	6.2	7.0	7.3	6.0	5.6
1 m	4.6	6.0	6.7	7.1	5.6	5.1
2 m	4.2	5.4	6.2	6.6	5.4	5.0
3 m	4.0	4.7	5.4	6.1	5.0	4.4
4 m	4.0	4.6	5.0	5.5	4.6	4.2
5 m	3.9	4.3	4.5	4.6	4.3	4.1
		<u>February 19, 1970</u>				
0.0	6.1	6.9	7.4	7.6	6.7	6.3
1 m	6.1	6.7	7.1	7.3	6.3	6.1
2 m	5.9	6.6	6.9	7.0	6.1	6.0
3 m	5.8	6.4	6.8	6.9	5.8	6.0
4 m	5.6	6.2	6.4	6.6	5.7	5.7
5 m	5.4	5.7	5.9	6.0	5.5	5.5
		<u>March 23, 1970</u>				
0.0	5.2	6.9	7.5	7.6	6.5	5.5
1 m	5.4	6.8	7.2	7.2	6.1	5.5
2 m	5.4	6.4	6.8	6.8	6.0	5.5
3 m	5.2	6.0	6.2	6.2	5.8	5.3
4 m	5.2	5.6	5.9	6.0	5.6	5.2
5 m	5.0	5.4	5.6	5.6	5.4	5.1

TABLE-I (continued)

Date	<u>April 16, 1970</u>			
	1800	2400	0600	1600
Depth				
0.0	7.0	6.2	5.8	6.9
1 m	6.7	6.0	5.7	6.6
2 m	6.4	6.0	5.6	6.5
3 m	6.1	5.8	5.5	6.1
4 m	5.9	5.3	5.3	5.9
5m	5.9	5.1	5.0	5.9
		<u>May 14, 1970</u>		
0.0	7.0	6.2	5.9	6.9
1 m	6.7	6.1	5.8	6.7
2 m	6.6	6.0	5.5	6.5
3 m	6.5	5.8	5.2	6.4
4 m	6.1	5.5	5.2	6.0
5 m	5.7	5.4	5.0	5.6
		<u>June 14, 1970</u>		
0.0	7.4	6.4	6.1	7.2
1 m	7.1	6.2	5.9	7.0
2 m	7.0	6.1	5.8	6.8
3 m	6.8	6.0	5.7	6.5
4 m	6.5	5.9	5.5	6.2
5 m	6.0	5.7	5.4	6.0
		<u>July 15, 1970</u>		
0.0	7.6	6.4	6.1	7.4
1 m	7.6	6.2	6.0	7.4
2 m	7.4	6.0	5.9	7.2
3 m	7.0	6.2	5.7	6.9
4 m	6.7	5.9	5.4	6.6
5 m	6.2	5.5	5.2	6.1

TABLE - I (continued)

		<u>August 9, 1970</u>			
Date					
Time	1800	2400	0600	1600	
Depth					
0.0	7.6	6.4	5.9	7.4	
1 m	7.3	6.0	5.8	7.2	
2 m	7.0	5.6	5.4	7.0	
3 m	6.6	5.4	5.1	6.5	
4 m	6.2	5.3	5.0	6.1	
5 m	5.7	5.3	5.0	5.6	

		<u>September 16, 1970</u>			
0.0	7.2	6.2	5.4	7.0	
1 m	7.0	6.2	5.3	6.8	
2 m	6.8	6.1	5.0	6.7	
3 m	6.5	5.6	4.7	6.4	
4 m	6.1	5.2	4.4	5.8	
5 m	5.4	4.8	4.1	5.2	

		<u>October 14, 1970</u>			
0.0	8.2	7.1	5.5	8.0	
1 m	8.1	6.9	5.4	7.7	
2 m	7.6	6.5	5.3	7.4	
3 m	6.9	6.0	5.1	6.6	
4 m	6.4	5.7	5.0	6.1	
5 m	6.1	5.4	4.9	5.9	

TABLE - J

Gross and Net Primary production determined from Oxygen evolution; and corrected for respiratory adjusted net production in Ajwa Reservoir at Baroda 1969-70.

Year and month	Day length in hrs./mts.	Solar radiation Langley/day	Rate of photosynthesis $\text{gO}_2/\text{m}^2/\text{h}$	Net production per day $\text{gO}_2/\text{m}^2/\text{day}$	Rate of respiration $\text{gO}_2/\text{m}^2/\text{h}$	Respiration per day $\text{gO}_2/\text{m}^2/\text{day}$	Gross production $\text{gO}_2/\text{m}^2/\text{day}$
<u>1 9 6 9</u>							
October - 23	11-43	150-40	0.126	1.48	0.126	1.48	2.96
November - 6	11-14	163-19	0.125	1.40	0.125	1.40	2.80
November - 26	11-14	157-54	0.128	1.43	0.128	1.43	2.86
December - 12	11-00	157-54	0.160	1.76	0.160	1.76	3.52
A v e r a g e			<u>0.135</u>	<u>1.52</u>	<u>0.135</u>	<u>1.52</u>	<u>3.00</u>

1970

January - 7	11-00	155-25	0.174	1.91	0.174	1.91	3.82
January - 27	11-06	155-25	0.128	1.42	0.128	1.42	2.84
February - 19	11-27	192-20	0.091	1.04	0.091	1.04	2.08
March - 23	12-00	217-31	0.105	1.26	0.105	1.26	2.52
April - 16	13-16	252-56	0.067	0.89	0.067	0.89	1.78
May - 16	13-01	267-34	0.085	1.11	0.085	1.11	2.22
June - 14	13-16	260-70	0.091	1.21	0.091	1.21	2.42
July - 15	13-09	263-14	0.106	1.39	0.106	1.39	2.78
August - 9	12-46	191-24	0.115	1.46	0.115	1.46	2.92
September - 16	15-15	179-64	0.160	1.96	0.160	1.96	3.92
October - 16	11-43	150-40	0.170	2.00	0.170	2.00	4.00
Average			<u>0.116</u>	<u>1.42</u>	<u>0.118</u>	<u>1.42</u>	<u>2.75</u>

TABLE - K

Production and Respiration at various depths in Ajwa Reservoir during 1969 and 1970.

Date	<u>October 13, 1969</u>			
Depth	P $\text{90}_2/\text{m}^3/\text{h}$	R $\text{90}_2/\text{m}^3/\text{h}$	P $\text{90}_2/\text{m}^3/\text{day}$	R $\text{90}_2/\text{m}^3/\text{day}$
0.0	0.158	0.158	1.85	1.85
1 m	0.150	0.150	1.76	1.76
2 m	0.158	0.158	1.85	1.85
3 m	0.127	0.127	1.49	1.49
4 m	0.093	0.093	1.09	1.09
5 m	0.050	0.050	0.59	0.59
<u>November 6, 1969</u>				
0.0	0.200	0.200	2.24	2.24
1 m	0.192	0.192	2.15	2.15
2 m	0.158	0.158	1.77	1.77
3 m	0.100	0.100	1.12	1.12
4 m	0.058	0.058	0.65	0.65
5 m	0.041	0.041	0.46	0.46
<u>November 26, 1969</u>				
0.0	0.192	0.192	2.15	2.15
1 m	0.167	0.167	1.87	1.87
2 m	0.150	0.150	1.68	1.68
3 m	0.127	0.127	1.42	1.42
4 m	0.083	0.083	0.93	0.93
5 m	0.041	0.041	0.46	0.46
<u>December 27, 1969</u>				
0.0	0.191	0.191	2.10	2.10
1 m	0.208	0.208	2.29	2.29
2 m	0.200	0.200	2.20	2.20
3 m	0.127	0.127	1.40	1.40
4 m	0.108	0.108	1.19	1.19
5 m	0.067	0.067	0.74	0.74

TABLE - K (continued)

Date	<u>January 7, 1970</u>			
Depth	P $90_2/m^3/h$	R $90_2/m^3/h$	P $90_2/m^3/day$	R $90_2/m^3/day$
0.0	0.183	0.183	2.01	2.01
1 m	0.167	0.167	1.84	1.84
2 m	0.135	0.135	1.49	1.49
3 m	0.127	0.127	1.40	1.40
4 m	0.100	0.100	1.10	1.10
5 m	0.041	0.041	0.45	0.45
<u>January 27, 1970</u>				
0.0	0.208	0.208	2.31	2.31
1 m	0.203	0.208	2.31	2.31
2 m	0.183	0.183	2.03	2.03
3 m	0.175	0.175	1.94	1.94
4 m	0.127	0.127	1.41	1.41
5 m	0.058	0.058	0.63	0.63
<u>February 19, 1970</u>				
0.0	0.127	0.127	1.45	1.45
1 m	0.100	0.100	1.12	1.12
2 m	0.093	0.093	1.06	1.06
3 m	0.093	0.093	1.06	1.06
4 m	0.083	0.083	0.95	0.95
5 m	0.050	0.050	0.56	0.56
<u>March 23, 1970</u>				
0.0	0.200	0.200	2.40	2.40
1 m	0.150	0.150	1.80	1.80
2 m	0.170	0.170	1.40	1.40
3 m	0.083	0.083	1.00	1.00
4 m	0.067	0.067	0.80	0.80
5 m	0.033	0.033	0.40	0.40

TABLE - K (continued)

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Date	<u>April 16, 1970</u>			
Depth	P $\text{O}_2/\text{m}^3/\text{h}$	R $\text{O}_2/\text{m}^3/\text{h}$	P $\text{O}_2/\text{m}^3/\text{day}$	R $\text{O}_2/\text{m}^3/\text{day}$
0.0	0.100	0.100	1.25	1.25
1 m	0.083	0.083	0.93	0.93
2 m	0.067	0.067	0.75	0.75
3 m	0.050	0.050	0.56	0.56
4 m	0.050	0.050	0.56	0.56
5 m	0.075	0.075	0.84	0.84
<u>May 14, 1970</u>				
0.0	0.093	0.093	1.21	1.21
1 m	0.075	0.075	0.97	0.97
2 m	0.093	0.093	1.21	1.21
3 m	0.108	0.108	1.40	1.40
4 m	0.075	0.075	0.97	0.97
5 m	0.058	0.058	0.75	0.75
<u>June 14, 1970.</u>				
0.0	0.108	0.108	1.21	1.21
1 m	0.100	0.100	1.12	1.12
2 m	0.100	0.100	1.05	1.05
3 m	0.093	0.093	1.05	1.05
4 m	0.083	0.083	0.93	0.93
5 m	0.050	0.050	0.56	0.56
<u>July 15, 1970</u>				
0.0	0.127	0.127	1.42	1.42
1 m	0.135	0.135	1.51	1.51
2 m	0.127	0.127	1.42	1.42
3 m	0.108	0.108	1.20	1.20
4 m	0.108	0.108	1.20	1.20
5 m	0.083	0.083	0.93	0.93

TABLE - K (continued)

Date	<u>August 9, 1970</u>			
Depth	P $\text{90}_2/\text{m}^3/\text{h}$	R $\text{90}_2/\text{m}^3/\text{h}$	P $\text{90}_2/\text{m}^3/\text{day}$	R $\text{90}_2/\text{m}^3/\text{day}$
0.0	0.141	0.141	1.80	1.80
1 m	0.127	0.127	1.62	1.62
2 m	0.133	0.133	1.70	1.70
3 m	0.127	0.127	1.62	1.62
4 m	0.100	0.100	1.27	1.27
5 m	0.058	0.058	0.74	0.74
<u>September 16, 1970</u>				
0.0	0.150	0.150	1.82	1.82
1 m	0.141	0.141	1.71	1.71
2 m	0.150	0.150	1.82	1.82
3 m	0.150	0.150	1.82	1.82
4 m	0.141	0.141	1.71	1.71
5 m	0.108	0.108	1.31	1.31
<u>October, 14, 1970</u>				
0.0	0.227	0.227	2.66	2.66
1 m	0.227	0.227	2.66	2.66
2 m	0.191	0.191	2.24	2.24
3 m	0.150	0.150	1.76	1.76
4 m	0.117	0.117	1.37	1.37
5 m	0.100	0.100	1.17	1.17