CAROLINA POWER & LIGHT COMPANY
SPECIAL SERVICES DEPARTMENT

ROBINSON WATER CHEMISTRY

DISSLOVED ALUMINUM (NEGATIVE SIGN SHOULD BE READ AS 'LESS THAN')

MONTH/STATION	AS	AB	ES	EB	GS	GB	HS	IS	JS	KS
73										
04										
05										
06										
07										
08										
09										
10	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100		
11	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01		
12	0.02	0.02	0.02	0.02	0.08	0.07	0.02	0.07		
74										
01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01		
02	-0.01	-0.01	-0.01	-0.01	0.01	0.02	-0.01	0.02		
03	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.01		
04										
05										
06										
07										
08										
09										
10										
11										
12										
75										
01										
02										
03										
04										
05	0.07	0.08	0.07	0.06	0.08	0.06	0.08	0.05		0.06
06	0.1	0.1	0.1	0.1	0.1	-0.1	0.1	0.1		0.1
07	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		-0.1
08	-0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1		0.1
09	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.1	-0.1		0.1
10	0.1	0.1	0.1	0.1	0.1	0.1	-0.1	0.1		-0.1
11	0.1	0.1	0.1	0.1	0.2	0.1	-0.1	0.1		0.1
12	0.1	0.1	0.1	0.1	0.1	-0.1	-0.1	-0.1		0.1
76										
01	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.1		0.1
02	0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		-0.1

CAROLINA POWER & LIGHT COMPANY
SPECIAL SERVICES DEPARTMENT

ROBINSON WATER CHEMISTRY

TOTAL NICKEL (NEGATIVE SIGN SHOULD BE READ AS "LESS THAN")

MTH/STATION	AS	AB	ES	EB	GS	GB	HS	IS	JS	KS
04										
05										
06										
07										
08										
09										
10										
11										
12										
01										
02										
03	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
04	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
06										
07										
08	0.20	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
09	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
10	-0.05	-0.05	-0.05	-0.05	-0.1	-0.05	-0.05	-0.05	-0.05	-0.05
11	-0.05	-0.05	-0.05	-0.05	-0.1	-0.05	-0.05	-0.05	-0.05	-0.05
12	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
01	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
03	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
04	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
06										
07	-0.05	-0.05	-0.05	[illegible]	-0.05	-0.05	-0.05	-0.05		-0.05
08			-0.05							
09										
10			-0.05							
11			-0.05							
12			-0.05							
01										
02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05

CAROLINA POWER & LIGHT COMPANY
SPECIAL SERVICES DEPARTMENT

ROBINSON WATER CHEMISTRY

DISSLOVED NICKEL (NEGATIVE SIGN SHOULD BE READ AS 'LESS THAN')

MONTH/STATION	AS	AB	ES	EB	GS	GB	HS	IS	JS	KS
73										
04										
05										
06										
07	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050		
08	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050		
09	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050		
10	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100		
11	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
12	-0.05	-0.05	-0.05	0.05	-0.05	-0.05	-0.05	-0.05		
74										
01	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
03	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
04	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
06										
07										
08										
09										
10										
11										
12										
75										
01										
02										
03										
04										
05										
06										
07	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
08										
09										
10										
11										
12										
76										
01										
02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05

CAROLINA POWER & LIGHT COMPANY
SPECIAL SERVICES DEPARTMENT

ROBINSON WATER CHEMISTRY

TOTAL LEAD (NEGATIVE SIGN SHOULD BE READ AS 'LESS THAN')

TH/STATION	AS	AB	ES	EB	GS	GB	HS	IS	JS	KS
04	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100		
05	-0.100	-0.100	-0.100	-0.100		-0.100	-0.100			
06	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100			
07	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100		
08	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100		
09	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100		
10	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100	-0.100		
11	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
12	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01		
01	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
02	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
03	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
04	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
06										
07										
08	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1		
09	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
10	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
11	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
12	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
01	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
03	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
04	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
06										
07	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
08			-0.05							
09										
10			-0.05							
11										
12										
01										
02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05

CAROLINA POWER & LIGHT COMPANY
SPECIAL SERVICES DEPARTMENT

ROBINSON WATER CHEMISTRY

TOTAL MANGANESE (NEGATIVE SIGN SHOULD BE READ AS 'LESS THAN')

MONTH/STATION	AS	AB	ES	EB	GS	GB	HS	IS	JS	KS
73										
04	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050		
05	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050			
06	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050			
07	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050		
08	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050		
09	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050		
10	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050	-0.050		
11	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
12	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005	-0.005		
74										
01	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
03	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
04	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
06										
07										
08	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		
09	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
10	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
11	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05
12	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
75										
01	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
03	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
04	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
06										
07	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05
08			-0.05							
09										
10										
11										
12										
76										
01										
02	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05	-0.05		-0.05

Recommended Water Quality Goals for Various Water Quality Constituents, All Values mg/l

Water Quality Constituent	EPA Recommended 1983 Goal Freshwater Aquatic Life	Freshwater Aquatic Life			Public Water Supply		
		EPA	NAS	NTAC	EPA	NAS	NTAC
Phosphorus	Limit eutrophication	-	maintain NO_3-P ratio maintain NH_4-P ratio	-	-	-	-
Sulfates	NL	-	-	-	250.0	250.0	250.0
Chloride	NL	-	-	-	-	-	-
Dissolved Solids	NL	Bioassays	-	50 millimoles, 1/3 increase	NL	NL	500.0
Hardness	Carbonate hardness is equal to alkalinity	See dissolved dissolved solids	-	NL	NL	NL	-
Suspended and Settleable Solids	25.0(5) 25.0-80.0(6)) 80.0-400.0(7))	80.0	25.0 80.0 400.0	no addition	-	-	NL
Turbidity and Light Penetration	See suspended solids discussion	10% change in compensation point	10% change in compensation point	Streams 50 JTU(3) 10 JTU(4) Lakes 25 JTU(3) 10 JTU(4)	-	-	-

Recommended Water Quality Goals for Various Water Quality Constituents, All Values mg/l

Water Quality Constituent	EPA Recommended 1983 Goal Freshwater Aquatic Life	Freshwater Aquatic Life			Public Water Supply		
		EPA	NAS	NTAC	EPA	NAS	NTAC
Aluminum	NL	-	NL	-	-	-	-
Chromium	0.3	0.05	0.05	0.02	0.5	0.5	0.5
Copper	0.1X 96 hr. LC_{50} (0.018)	1/10 LC_{50}	1/10 LC_{50}	1/10 TL_m 1/30 TL_m	1.0	1.0	1.0
Iron	1.0	-	-	-	0.3	0.3	0.3
Lead	.01X 96 hr. LC_{50} (0.238)	0.03	0.03	-	0.05	0.05	0.05
Manganese	NL Marine Only	-	-	-	0.05	0.05	0.5
Mercury	0.00005	0.2 Total 0.05 Ave. 0.50 body burden	0.2 Total 0.05 Ave. 0.50 body burden	-	0.002	0.002	-
Nickel	0.1	1/50 LC_{50}	1/50 LC_{50}	-	NL	NL	-
Sodium	NL	-	-	-	0.05	NL	0.05

Recommended Water Quality Goals for Various Water Quality Constituents, All Values mg/l

Water Quality Constituent	EPA Recommended 1983 Goal Freshwater Aquatic Life	Freshwater Aquatic Life			Public Water Supply		
		EPA	NAS	NTAC	EPA	NAS	NTAC
Zinc	0.01 x 96 hr. LC_{50} (0.078)	1/200 LC_{50}	1/200 LC_{50}	1/100 LC_{50}	5.0	5.0	5.0
pH	6.5-9.0	6-9	6.5-8.5(1) 6.0-8.0(1) 6.0-9.0(2) 5.5-9.5(2)	6.0-9.0	5-9	5-9	6-8.5
Alkalinity	20.0	75% of natural	75% of natural	20.0	NL	NL	NL
Ammonia	0.02 (as union-ized Ammonia)	1/20 LC_{50} (0.02 mg/l)	EPA	Flow through Bioassay	0.5	0.5	0.5
Nitrates	NL	-	maintain NO_3-P ratio maintain NH_4-P ratio	- -	10 1	10 1	10 1
Nitrites	NL	-	maintain NO_3-P ratio maintain NH_4-P ratio	-	-	-	-

Recommended Water Quality Goals for Various Water Quality Constituents, All Values mg/l

Water Quality Constituent	EPA Recommended 1983 Goal Freshwater Aquatic Life	Freshwater Aquatic Life			Public Water Supply		
		EPA	NAS	NTAC	EPA	NAS	NTAC
Temperature	Limiting temp. related to sensitive species and season	complex	complex	complex avoid disrupting natural patterns	not to detract from palatability or interfere w/ treatment	no fixed critera	-
		EPA & NAS essentially same					
Dissolved Oxygen	Level dependent on seasonal conditions and use of water	-	Four levels of protection 4.0 minimum	complex	NL	NL	4.0 monthly 3.0 indiv. sample

[1]$\Delta \leq 0.5$ units, [2]$\Delta \leq 1.5$ units, [3]Warm water, [4]Cold water, [5]For excellent fisheries, [6]For good to moderate fisheries; [7]For fair to poor fisheries, NL - No limit specified.

EPA: U.S. Environmental Protection Agency, Quality Criteria for Water, Washington, D. C. (1975).

NAS: Water Quality Criteria, 1972. National Academy of Sciences and National Academy of Engineering. U.S. government Printing Office, Washington, D. C. (1974).

NTAC: Water Quality Criteria, A Report of the National Technical Advisory Committee to the Secretary of the Interior. U.S. Government Printing Office, Washington, D. C. (1968).

CP&L EXHIBIT 2.5

Dissolved Oxygen Concentrations (mg/l) and

Percent Saturation

April 1973 to March 1976

DISSOLVED OXYGEN AND PERCENTAGE SATURATION

	A		B		C		D		E		F		G	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
April 18, 1973														
Surface	8.8	91	8.2	86	10.4	106	8.9	95	8.5	92	7.7	82	7.9	83
Middle	8.4	86	8.1	82	8.4	85	---	--	---	--	---	--	---	--
Bottom	8.6	88	8.6	86	7.6	76	8.5	91	7.7	84	7.6	78	6.9	67
May 22, 1973														
Surface	7.6	88	7.5	87	7.4	87	6.6	81	7.3	97	7.5	91	7.9	88
Middle	---	--	---	--	---	--	---	--	8.2	105	---	--	---	--
Bottom	7.2	81	6.4	71	6.7	75	6.9	78	7.6	91	7.5	81	6.0	61
June 7, 1973														
Surface	6.9	92	6.6	88	6.7	89	6.5	89	6.3	91	6.9	96	6.1	74
Middle	6.4	81	---	--	---	--	---	--	---	--	---	--	---	--
Bottom	5.4	64	6.6	78	6.6	79	6.1	78	5.7	83	5.4	66	5.8	66

JULY 31, 1973

Transect	A						B					
Station	1		2		3		1		2		3	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.6	88	6.6	88	6.6	89	6.4	85	6.4	86	6.4	86
3	6.4	85	6.4	85	6.4	85	6.2	84	6.2	83	6.4	85
6	6.2	83	6.2	83	6.1	81	6.0	80	6.0	80	6.0	80
9	6.2	83	6.0	80	6.1	81	5.8	77	6.0	80	6.0	80
12	5.4	71	5.8	77	5.2	69	5.7	75	5.0	66	5.3	71
15	5.4	71	5.4	71	4.7	62	4.6	60	4.5	59	4.7	62
18	---	--	4.6	60	4.3	56	4.5	59	4.9	64	4.5	59
21	---	--	3.9	51	4.1	54	4.1	54	4.4	58	4.0	52
24	---	--	3.4	45	3.0	39	2.8	36	3.0	40	3.2	42
27	---	--	2.8	36	---	--	1.7	22	1.6	21	---	--
30	---	--	---	--	---	--	0.02	0.3	0.7	9	---	--
33	---	--	---	--	---	--	---	--	0.7	9		

Transect	C						D					
Station	1		2		3		1		2		3	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.2	84	6.4	86	6.1	82	5.4	76	5.4	76	5.4	75
3	6.0	80	6.2	84	6.0	81	5.4	75	5.6	78	5.4	75
6	6.0	80	6.0	81	6.0	80	5.9	81	4.7	64	---	--
9	---	--	5.9	79	5.8	77	5.4	73	5.5	74	---	--
12	---	--	5.4	72	5.7	76	4.5	60	4.9	66	---	--
15	---	--	4.7	63	4.7	63	3.5	46	---	--	---	--
18	---	--	3.8	50	3.6	47	2.8	36	---	--	---	--
21	---	--	2.2	29	2.4	31	---	--	---	--	---	--
24	---	--	1.3	17	1.7	22	---	--	---	--	---	--
27	---	--	0.8	10	---	--	---	--	---	--	---	--
30	---	--	---	--	---	--	---	--	---	--	---	--
33	---	--	---	--	---	--	---	--	---	--	---	--

Transect	E						F		G	
Station	1		2		3					
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	4.4	64	4.4	64	4.5	65	5.5	75	6.1	76
3	4.3	62	4.5	65	5.0	71	6.0	81	5.8	71
6	4.5	71	4.9	70	5.5	79	4.7	60	5.8	67
9	4.6	60	4.7	63	5.2	73	4.4	55	---	--
12	3.9	51	4.0	52	---	--	---	--	---	--

ROBINSON DISSOLVED OXYGEN AND PER CENT SATURATION
AUGUST 22, 1973

Transect	A						B					
Station	1		2		3		1		2		3	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.3	85	6.3	84	6.4	85	6.2	84	6.3	85	6.3	85
3	6.4	86	6.3	84	6.4	86	6.25	84	6.4	86	6.4	86
6	6.4	86	6.3	84	6.4	86	6.2	84	6.5	88	6.4	86
9	6.3	85	6.3	85	6.4	86	6.2	84	6.5	88	6.3	85
12	6.3	85	6.2	84	6.2	84	6.2	84	6.4	86	6.2	84
15	---	--	6.2	84	---	--	6.2	83	6.3	85	---	--
18	---	--	6.2	84	---	--	6.2	84	6.25	84	---	--
21	---	--	6.2	84	---	--	6.2	83	6.1	82	---	--
24	---	--	---	--	---	--	---	--	6.1	82	---	--
27	---	--	---	--	---	--	---	--	6.1	82	---	--
30	---	--	---	--	---	--	---	--	6.1	82	---	--

Transect	C						D					
Station	1		2		3		1		2		3	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.5	88	6.4	86	6.3	86	7.0	99	6.6	92	6.5	93
3	6.5	88	6.4	86	6.25	86	7.0	99	6.7	94	6.5	93
6	---	--	6.4	86	6.25	86	7.0	99	6.7	94	---	--
9	---	--	6.3	85	6.25	86	7.0	97	6.3	86	---	--
12	---	--	6.3	85	6.2	85	6.7	92	---	--	---	--
15	---	--	6.2	84	6.2	84	6.7	92	---	--	---	--
18	---	--	6.2	84	---	--	6.4	88	---	--	---	--
21	---	--	6.2	84	---	--	---	--	---	--	---	--
24	---	--	6.2	84	---	--	---	--	---	--	---	--

Transect	E						F		G		H	
Station	1		2		3							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.2	85	6.0	86	6.0	88	7.2	93	7.3	84	6.6	89
3	6.4	89	6.1	88	5.9	87	6.8	88	7.2	83	6.6	89
6	6.6	89	6.1	88	6.0	88	7.0	88	7.0	81	---	--
9	6.3	82	---	--	6.0	90	---	--	---	--	---	--
12	6.3	81	---	--	6.0	90	---	--	---	--	---	--

Transect	I		J	
	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.9	82	6.4	71
3	6.2	73	6.4	71
6	6.1	72	---	--
9	5.9	70	---	--

ROBINSON DISSOLVED OXYGEN AND PER CENT SATURATION
SEPTEMBER 26, 1973

Transect	A						B					
Station	1		2		3		1		2		3	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.7	85	6.5	82	6.5	82	6.3	80	6.6	82	6.8	86
3	6.6	83	6.4	81	6.5	82	6.3	80	6.4	81	6.7	85
6	6.6	83	6.4	81	6.6	84	6.4	81	6.3	80	6.6	85
9	6.6	83	6.4	81	6.6	84	6.3	80	6.3	81	6.5	84
12	6.6	83	6.4	81	6.6	84	6.3	80	6.3	81	6.2	79
15	---	--	6.4	81	6.5	82	6.1	77	6.2	79	---	--
18	---	--	6.4	81	6.6	84	6.0	76	6.2	79	---	--
21	---	--	6.4	81	---	--	5.9	74	6.2	78	---	--
24	---	--	6.4	81	---	--	5.4	68	5.8	74	---	--
27	---	--	5.6	71	---	--	5.2	66	1.1	14	---	--
30	---	--	4.4	56	---	--	0.2	3	0.2	3	---	--
33	---	--	3.3	42	---	--	---	--	---	--	---	--

Transect	C						D					
Station	1		2		3		1		2		3	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.7	85	6.4	81	6.6	83	6.0	74	6.2	81	6.4	85
3	6.7	85	6.4	81	6.5	84	5.9	74	6.2	81	6.4	85
6	---	--	6.6	83	6.4	82	5.8	73	6.0	79	---	--
9	---	--	6.6	83	6.3	81	5.6	71	---	--	---	--
12	---	--	6.6	83	6.3	81	4.8	61	---	--	---	--
15	---	--	---	--	6.2	80	3.0	37	---	--	---	--
18	---	--	---	--	6.2	80	---	--	---	--	---	--
21	---	--	---	--	---	--	---	--	---	--	---	--
24	---	--	---	--	---	--	---	--	---	--	---	--
27	---	--	---	--	---	--	---	--	---	--	---	--

Transect	E											
Station	1		2		3		F		G		H	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.3	83	6.0	83	5.8	82	6.6	83	6.8	77	7.5	95
3	6.2	81	5.8	82	6.0	83	6.6	83	6.7	76	7.4	94
6	5.8	75	5.1	69	6.0	83	6.2	75	6.6	75	---	--
9	5.3	67	---	--	---	--	6.2	75	---	--	---	--

Station	I	
	D.O.	% Sat.
Depth 0	7.0	83
3	6.8	83
6	6.8	83

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
OCTOBER 24, 1973

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	10.8	125	10.8	125	11.2	127	10.9	125	10.8	123	11.0	124
3	10.8	126	10.6	123	11.2	129	10.9	126	10.8	125	11.0	127
6	10.5	123	10.6	123	11.2	129	10.8	125	10.7	124	10.8	125
9	10.6	124	10.6	123	11.2	129	10.7	123	10.7	124	10.8	125
12	10.6	124	10.7	124	----	---	10.6	123	10.6	123	10.8	125
15	10.6	124	10.7	124	----	---	----	---	10.6	123	10.8	125
18	10.7	125	10.8	125	----	---	----	---	10.6	123	10.8	125
21	10.6	124	10.7	124	----	---	----	---	10.6	123	10.8	125
24	10.6	124	10.8	125	----	---	----	---	10.6	123	10.7	123
27	----	---	10.8	125	----	---	----	---	10.6	123	10.6	121
30	----	---	10.8	125	----	---	----	---	----	---	----	---

Transect	C						D					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	10.8	125	10.4	120	10.8	125	10.4	125	9.8	117	10.4	125
3	10.8	125	10.4	120	10.8	126	10.3	125	9.8	120	10.4	125
6	10.7	123	10.4	120	10.8	127	----	---	9.8	115	10.0	120
9	10.7	123	10.4	120	----	---	----	---	9.8	109	9.8	117
12	10.6	123	10.4	120	----	---	----	---	----	---	8.8	104
15	10.6	123	10.4	120	----	---	----	---	----	---	6.7	77
18	10.6	123	10.4	120	----	---	----	---	----	---	6.3	70
21	10.4	120	----	---	----	---	----	---	----	---	----	---

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	10.2	136	10.0	129	9.9	120	10.8	122	10.6	108	11.4	114
3	10.2	136	9.8	127	10.0	126	10.8	123	10.7	108	----	---
6	----	---	9.9	122	9.2	106	10.8	123	10.7	108	----	---
9	----	---	----	---	9.4	104	----	---	----	---	----	---

Transect	I	
	D.O.	% Sat.
Depth 0	10.6	111
3	10.8	110
6	10.4	106

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION

November 27, 1973

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	7.5	82	7.5	82	7.9	85	7.9	86	7.6	83	7.9	86
3	7.5	82	7.5	82	7.8	84	7.6	82	7.6	83	7.8	85
6	7.5	82	7.4	80	7.5	80	7.4	80	7.5	82	7.8	85
9	7.5	80	7.2	77	---	--	7.4	80	7.4	79	7.6	83
12	6.6	71	6.9	74	---	--	7.2	77	7.2	77	7.6	83
15	6.0	65	6.6	71	---	--	7.0	75	7.0	75	7.4	80
18	---	--	7.2	66	---	--	5.8	63	6.6	70	6.9	74
21	---	--	6.2	55	---	--	5.5	58	5.5	58	---	--
24	---	--	---	--	---	--	---	--	5.3	56	---	--
27	---	--	---	--	---	--	---	--	4.7	50	---	--
30	---	--	---	--	---	--	---	--	3.2	34	---	--
33	---	--	---	--	---	--	---	--	3.0	32	---	--

Transect	C						D					
Station	3		2		1		3		2		1	
	D.O	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	7.9	87	7.7	84	7.8	85	8.0	87	8.0	87	7.9	87
3	7.9	87	7.8	85	7.8	85	8.0	87	8.0	87	7.9	87
6	7.9	87	7.7	84	7.8	85	---	--	7.9	86	7.8	85
9	7.5	81	7.6	83	---	--	---	--	7.7	84	7.7	84
12	7.5	81	7.6	83	---	--	---	--	---	--	7.7	84
15	6.2	67	7.5	82	---	--	---	--	---	--	5.9	84
18	---	--	7.5	82	---	--	---	--	---	--	---	--
21	---	--	7.5	82	---	--	---	--	---	--	---	--

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat	D.O.	% Sat.
Depth 0	7.1	77	7.2	79	7.1	70	7.5	83	7.4	79	9.0	98
3	7.1	77	7.1	78	7.1	72	7.4	80	7.4	79	8.9	97
6	7.0	76	7.1	78	7.0	72	7.0	74	7.0	73	---	--
9	7.0	76	7.0	77	6.8	68	---	--	---	--	---	--
12	7.0	76	---	--	6.9	65	---	--	---	--	---	--

Transect	I	
	D.O.	% Sat.
Depth 0	8.0	84
3	7.8	82
6	7.6	79

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
DECEMBER 19, 1973

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O	% Sat.
Depth 0	9.3	85	8.8	78	9.2	83	9.0	84	9.0	83	8.8	80
3	9.0	83	8.7	80	9.0	83	8.9	85	8.9	82	8.6	78
6	8.9	82	8.6	78	9.1	84	8.8	84	8.8	83	8.5	78
9	8.8	81	8.6	78	---	---	8.8	84	8.8	83	8.6	78
12	8.8	81	8.6	78	---	---	8.8	84	8.8	83	8.6	78
15	8.8	81	8.6	78	---	---	9.0	84	8.8	83	8.8	81
18	8.8	81	8.6	78	---	---	---	---	8.9	84	8.8	81
21	8.8	81	8.6	78	---	---	---	---	8.9	83	8.8	81
24	8.8	81	8.8	81	---	---	---	---	9.0	84	8.8	81
27	8.9	82	8.8	81	---	---	---	---	9.0	84	8.8	81
30	8.9	82	8.8	81	---	---	---	---	9.0	83	8.8	81
33	8.9	82	8.8	81	---	---	---	---	9.0	83	9.0	83
36	9.0	83	8.9	82	---	---	---	---	9.0	83	---	---

Transect	C								D			
Station	3		2		1		0		2		1	
	D.O.	% Sat.	D.O	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	8.8	84	8.8	81	8.6	78	8.0	88	8.5	84	7.6	72
3	8.6	83	8.7	81	8.4	76	8.6	87	8.4	85	7.5	71
6	8.6	83	8.7	81	8.6	78	8.8	88	8.5	83	7.6	73
9	8.6	83	8.7	81	8.7	78	---	---	8.6	84	7.8	73
12	8.6	82	8.7	81	---	---	---	---	---	---	8.0	74
15	8.6	81	---	---	---	---	---	---	---	---	8.0	74
18	---	---	---	---	---	---	---	---	---	---	8.3	73
21	---	---	---	---	---	---	---	---	---	---	8.4	74
24	---	---	---	---	---	---	---	---	---	---	8.4	74

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	7.2	88	7.6	81	7.3	75	8.4	72	10.2	80	10.1	91
3	7.0	86	7.8	83	7.3	75	8.7	75	10.3	82	10.1	92
6	7.2	88	8.0	83	7.8	76	9.8	86	10.2	81	10.3	94
9	---	---	---	---	9.8	84	9.8	86	---	---	---	---
12	---	---	---	---	9.8	83	---	---	---	---	---	---

Transect	I											
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	11.3	84										
3	11.0	82										
6	10.9	81										

ROBINSON DISSOLVED OXYGEN AND PER CENT SATURATION
January 22, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	---*	--*	7.4	77	---*	--*	6.6	70	7.4	79	8.3	90
3	---*	--*	---*	--*	---*	--*	7.0	75	7.5	80	8.4	89
6	---*	--*	---*	--*	---*	--*	7.0	74	7.6	81	8.2	87
9	---*	--*	---*	--*	---*	--*	7.0	73	7.7	80	8.0	85
12	---*	--*	---*	--*	---*	--*	7.0	73	7.5	78	7.7	80
15	---*	--*	---*	--*	---*	--*	6.9	71	7.6	79	7.6	78
18	---*	--*	---*	--*	---*	--*	6.9	71	7.2	75	7.7	80
21	---*	--*	---*	--*	---*	--*	6.8	70	6.7	68	7.6	77
24	---*	--*	---*	--*	---*	--*	6.6	67	6.7	68	7.0	73
27	---*	--*	---*	--*	---*	--*	6.4	65	6.6	67	6.6	69
30	---*	--*	---*	--*	---*	--*	6.1	62	6.8	69	6.3	64
33	---*	--*	---*	--*	---*	--*	---	--	---	--	6.2	63
36	---*	--*	6.2	63	---	--	---	--	---	--	---	--

Transect	C						D					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	6.8	74	6.9	75	6.9	75	6.7	75	6.6	74	6.3	73
3	7.2	77	7.0	76	7.0	75	6.8	75	6.8	76	6.6	75
6	6.9	74	7.0	75	7.0	74	6.7	73	7.0	77	7.0	77
9	6.9	73	7.0	74	---	--	---	--	7.0	75	6.9	73
12	6.9	73	7.0	73	---	--	---	--	7.0	73	6.8	71
15	6.9	72	6.9	71	---	--	---	--	6.8	70	6.7	69
18	6.5	67	6.6	67	---	--	---	--	6.8	65	6.5	66
21	6.4	65	6.4	64	---	--	---	--	---	--	---	--
24	6.0	61	6.4	64	---	--	---	--	---	--	---	--
27	6.0	60	6.0	60	---	--	---	--	---	--	---	--

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	7.0	84	7.3	87	7.4	86	8.3	88	10.2	100	---*	--*
3	6.8	82	7.4	88	7.6	90	8.4	88	10.0	97	---*	--*
6	6.7	79	7.4	86	7.7	89	8.9	91	9.8	94	---*	--*
9	---	--	---	--	8.4	88	8.9	89	---	--	---	--
12	---	--	---	--	8.3	85	---	--	---	--	---	--

Transect	I	
	D.O.	% Sat.
Depth 0	6.9	68
3	7.3	72
6	7.2	70

*Malfunction of DO meter prevented sampling.

ROBINSON DISSOLVED OXYGEN AND PER CENT SATURATION
February 12, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	9.4	93	9.2	92	9.1	90	9.2	93	8.8	88	8.8	88
3	9.0	90	9.0	90	9.0	90	8.9	90	8.8	89	8.7	88
6	8.8	88	9.0	90	8.8	88	8.9	90	8.9	90	8.8	89
9	8.8	88	9.0	90	8.9	89	8.8	88	8.9	90	8.8	89
12	8.8	88	9.0	90	8.9	89	8.9	90	9.1	93	8.9	90
15	8.8	88	8.8	88	8.8	87	8.9	90	9.0	92	8.8	89
18	8.7	87	8.9	89	9.0	89	9.0	92	8.8	89	9.0	90
21	8.7	87	8.8	88	9.0	90	9.0	90	8.9	90	8.9	89
24	8.7	87	8.8	87	---	--	9.0	90	9.0	90	8.9	89
27	8.7	87	8.7	87	---	--	9.0	90	9.0	90	8.8	88
30	8.7	87	8.8	87	---	--	9.0	90	8.9	89	8.8	88
33	8.7	87	8.8	87	---	--	8.8	88	8.8	88	8.6	87
36	8.7	88	8.8	87	---	--	8.8	88	8.8	88	---	--

Transect	C						D					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	8.8	91	9.0	93	8.8	90	8.8	93	8.6	90	8.8	94
3	8.9	92	9.0	93	9.0	93	8.8	94	8.6	92	8.8	95
6	9.0	93	9.0	93	9.0	93	8.6	90	8.6	92	9.0	95
9	9.0	93	9.0	93	8.9	91	---	--	8.6	89	8.8	91
12	8.8	89	8.9	91	---	--	---	--	8.6	89	9.0	92
15	8.6	89	8.8	88	---	--	---	--	---	--	8.9	87
18	8.8	89	8.8	89	---	--	---	--	---	--	8.9	87
21	8.7	89	8.8	88	---	--	---	--	---	--	---	--
24	8.7	89	8.8	89	---	--	---	--	---	--	---	--
27	---	--	8.8	88	---	--	---	--	---	--	---	--

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	8.1	94	8.3	94	8.1	92	8.9	93	11.8	102	10.6	107
3	8.0	93	8.2	94	8.1	92	11.5	101	12.0	102	10.5	105
6	8.2	96	8.4	95	8.6	97	11.4	99	12.0	101	---	---
9	8.2	97	---	--	11.1	103	11.2	97	---	---	---	---
12	8.6	102	---	--	11.1	102	---	--	---	---	---	---
14	8.8	104	---	--	---	---	---	--	---	---	---	---

Transect	1	
	D.O.	% Sat.
Depth 0	12.0	98
3	11.8	93
6	11.5	93
9	11.7	93

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
March 18, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	10.2	107	10.0	105	10.1	106	9.7	104	9.7	105	10.0	109
3	10.2	107	10.1	106	10.2	108	10.0	107	10.2	110	10.3	110
6	10.3	107	10.2	106	10.3	107	10.1	110	10.3	107	10.4	109
9	10.3	107	10.2	106	10.4	107	10.2	107	10.1	105	10.2	107
12	10.2	105	10.0	103	10.2	105	10.1	105	10.1	105	10.0	105
15	10.2	105	9.8	100	10.2	105	10.0	106	10.0	104	10.0	105
18	10.2	105	9.9	100	---	---	10.0	106	10.0	104	9.8	103
21	10.0	103	9.8	100	---	---	10.0	106	9.9	103	10.0	105
24	10.0	103	9.8	100	---	---	10.0	106	9.8	101	9.8	103
27	NA	NA	NA	NA	---	---	NA	NA	NA	NA	NA	NA
30	↓	↓	NA	NA	---	---	↓	↓	NA	NA	↓	↓
33			NA	NA	---	---			NA	NA		
36			8.2	NA	---	---			9.3	NA		

Transect	C						D					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	10.0	105	9.8	108	9.6	105	9.7	110	9.8	110	9.8	110
3	10.3	110	10.2	110	10.1	108	10.0	110	10.0	105	9.8	110
6	10.4	110	10.1	107	10.2	106	10.4	113	9.8	106	9.7	105
9	10.2	107	10.1	107	---	---	---	---	9.6	103	10.0	107
12	10.0	104	9.9	104	---	---	---	---	9.4	100	10.1	108
15	10.0	104	9.9	103	---	---	---	---	---	---	10.1	108
18	9.8	102	9.9	103	---	---	---	---	---	---	10.0	107
21	10.0	104	9.9	103	---	---	---	---	---	---	9.8	105
24	9.8	102	9.0	95	---	---	---	---	---	---	9.8	105
27	---	---	8.9	NA	---	---	---	---	---	---	NA	NA

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	9.0	110	9.4	113	8.7	104	9.6	104	10.5	99	11.4	122
3	9.1	111	9.6	115	9.0	107	10.2	105	10.4	97	11.4	120
6	9.3	113	10.0	116	9.3	105	10.2	98	10.4	96	---	---
9	9.4	113	---	---	10.8	108	10.9	105	---	---	---	---
12	9.3	117	---	---	10.8	107	---	---	---	---	---	---
15	8.8	115	---	---	---	---	---	---	---	---	---	---

Transect	I				
	D.O.	% Sat.		D.O.	% Sat.
Depth 0	12.7	122	Depth 9	12.4	117
3	12.7	122	12	12.4	117
6	12.5	119			

NA - not available

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
April 24, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	7.2	82	7.8	87	8.0	91	7.8	89	7.8	89	8.0	92
3	7.7	86	7.8	87	7.8	89	7.8	89	7.8	89	7.8	89
6	8.0	90	7.8	87	8.0	91	7.8	89	7.8	89	7.8	89
9	7.9	89	7.8	88	7.9	90	7.7	87	7.9	91	7.8	89
12	8.0	90	7.9	89	7.9	90	7.8	89	7.8	89	7.8	89
15	8.0	90	7.9	89	---	--	7.8	89	7.8	89	7.8	89
18	8.0	90	8.0	90	---	--	7.8	88	7.8	89	7.8	89
21	8.0	90	7.9	89	---	--	7.7	87	7.7	88	7.8	89
24	8.0	90	8.0	90	---	--	7.2	81	7.8	89	7.8	89
27	---	--	8.0	90	---	--	7.1	81	7.6	86	7.6	87
30	---	--	8.0	90	---	--	7.0	79	7.0	80	7.3	83
33	---	--	8.1	91	---	--	6.9	78	---	--	7.2	81
36	---	--	8.0	90	---	--	---	--	---	--	---	--

Transect	C						D					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	7.6	87	7.5	87	7.8	90	7.2	87	7.2	87	7.4	89
3	7.5	87	7.6	87	7.8	90	7.1	87	7.2	89	7.4	89
6	7.6	89	7.8	90	7.9	92	7.2	87	7.2	87	7.4	89
9	7.6	89	7.8	90	---	--	7.2	84	7.2	85	7.4	88
12	7.6	89	7.7	91	---	--	---	--	---	--	7.5	87
15	7.6	89	7.6	88	---	--	---	--	---	--	7.4	87
18	7.8	91	7.7	90	---	--	---	--	---	--	7.4	85
21	7.6	86	7.8	91	---	--	---	--	---	--	---	--
24	7.5	86	7.8	90	---	--	---	--	---	--	---	--
27	7.4	86	7.8	90	---	--	---	--	---	--	---	--

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0	7.0	93	8.2	85	7.0	86	8.0	90	8.0	86	8.6	96
3	7.1	93	8.2	87	7.0	87	8.0	88	8.0	86	8.6	96
6	7.1	93	8.2	86	7.0	86	8.4	93	8.0	86	9.1	102
9	---	--	---	--	7.5	87	8.2	90	---	--	---	--
12	---	--	---	--	7.2	85	---	--	---	--	---	--

Transect	I	
Depth 0	8.1	87
3	8.2	88

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION

May 23, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.6	78	6.9	83	6.8	80	6.6	78	6.4	76	6.5	77
3'	6.6	78	6.9	83	6.8	80	6.5	77	6.4	76	6.5	77
6'	6.6	78	6.9	83	6.8	80	6.5	77	6.4	76	6.4	76
9'	6.6	78	6.9	83	6.7	81	6.5	76	6.4	76	6.3	76
12'	6.6	78	6.9	83	6.8	82	6.5	76	6.5	77	6.0	72
15'	6.6	78	6.8	81	6.7	81	6.6	78	6.4	76	6.2	74
18'	6.4	76	6.8	81	6.8	82	6.6	78	6.0	71	6.2	74
21'	5.6	67	6.6	78	---	--	5.2	61	5.8	68	5.2	61
24'	---	--	5.0	60	---	--	4.6	54	4.9	58	4.7	56
27'	---	--	5.0	59	---	--	4.4	52	4.4	51	4.4	52
30'	---	--	4.2	48	---	--	4.2	49	3.8	54	4.2	49
33'	---	--	4.0	47	---	--	---	--	2.6	30	3.2	38

Transect	C						D					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.8	83	6.8	82	6.8	81	6.8	81	6.7	80	6.5	78
3'	6.8	83	6.8	82	6.7	80	6.7	78	6.6	78	6.4	76
6'	6.8	83	6.8	82	6.7	80	6.6	79	6.6	78	6.5	77
9'	6.7	81	6.8	82	---	--	---	--	6.6	78	6.5	77
12'	6.8	82	6.8	82	---	--	---	--	6.6	78	6.5	77
15'	6.7	81	6.8	82	---	--	---	--	6.6	78	6.3	75
18'	6.5	77	6.8	82	---	--	---	--	5.8	68	6.7	80
21'	5.8	69	6.8	82	---	--	---	--	---	--	---	--
24'	4.1	48	4.4	53	---	--	---	--	---	--	---	--
27'	---	--	4.0	49	---	--	---	--	---	--	---	--

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.3	67	6.0	75	6.4	79	6.2	75	6.8	81	6.7	78
3'	5.3	67	6.1	76	6.4	78	6.2	75	6.6	76	6.7	78
6'	5.3	67	6.2	77	6.4	78	6.4	76	6.0	68	---	--
9'	---	--	---	--	5.7	67	5.4	63	---	--	---	--
12'	---	--	---	--	5.3	63	---	--	---	--	---	--

Transect	I	
	D.O.	% Sat.
Depth 0'	7.0	78
3'	6.8	77
6'	6.8	77
9'	6.8	77

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION

June 27, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.5	80	6.5	81	6.4	77	7.5	91	7.4	90	6.4	77
3'	6.4	77	6.5	80	6.3	76	7.4	90	7.4	90	6.4	77
6'	6.4	77	6.4	77	6.3	76	7.1	87	7.5	91	6.5	80
9'	6.3	76	6.4	77	6.3	76	6.9	84	7.5	91	6.5	80
12'	6.3	76	6.4	77	6.2	75	6.8	83	7.5	91	6.5	80
15'	6.3	76	6.4	77	---	--	6.7	82	7.5	91	6.4	77
18'	6.3	76	6.4	77	---	--	6.6	80	7.6	93	6.4	77
21'	6.3	76	6.4	77	---	--	6.4	77	7.6	93	6.5	80
24'	6.2	75	6.4	77	---	--	6.4	77	7.6	93	6.4	77
27'	---	--	6.3	76	---	--	6.3	77	7.6	93	6.6	80
30'	---	--	6.3	76	---	--	---	--	7.5	92	6.6	80
33'	---	--	6.3	76	---	--	---	--	7.4	90	---	--
36'	---	--	6.3	76	---	--	---	--	---	--	---	--

Transect	C						D					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.4	77	6.7	81	6.8	82	6.0	73	7.0	86	6.4	76
3'	6.4	77	6.6	80	6.6	80	6.0	75	6.9	85	6.2	75
6'	6.4	77	6.0	73	---	--	---	--	6.9	85	6.2	75
9'	6.4	77	6.5	79	---	--	---	--	6.9	84	6.2	75
12'	6.5	78	6.6	80	---	--	---	--	6.9	84	6.2	75
15'	6.5	78	6.6	80	---	--	---	--	6.6	80	6.1	74
18'	6.5	79	6.6	80	---	--	---	--	6.5	78	6.0	73
21'	6.4	77	6.6	80	---	--	---	--	---	--	---	--
24'	6.4	77	6.6	80	---	--	---	--	---	--	---	--

Transect	E						F		G		H	
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.6	86	7.0	90	7.1	89	7.1	84	7.0	79	---*	--*
3'	6.6	86	6.8	88	7.1	89	7.0	83	6.9	79	---*	--*
6'	7.0	91	---	--	7.0	90	6.9	82	6.9	80	---*	--*
9'	---	--	---	--	6.9	84	6.8	80	---	--	---*	--*
12'	---	--	---	--	6.8	83	---	--	---	--	---*	--*

Transect	I	
	D.O.	% Sat.
Depth 0'	---*	--*
3'	---*	--*
6'	---*	--*

*Malfunction of D.O. meter prevented sampling

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION

July 11, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.3	97	7.2	96	7.0	94	6.7	90	6.9	93	7.2	96
3'	7.0	94	7.1	95	6.7	89	6.7	90	7.0	94	7.1	95
6'	6.9	92	6.8	90	6.8	90	6.7	90	6.9	93	6.9	93
9'	6.9	92	6.9	92	6.9	93	6.7	90	6.7	89	6.9	93
12'	6.9	92	6.6	88	6.8	90	6.7	90	6.7	89	6.8	90
15'	6.9	92	6.7	89	---	--	6.6	86	6.7	87	6.7	87
18'	6.8	90	6.7	89	---	--	6.2	80	6.4	83	6.5	85
21'	6.8	90	6.7	87	---	--	6.1	78	6.0	77	6.4	82
24'	---	--	5.4	72	---	--	3.9	49	5.0	64	5.3	67
27'	---	--	5.0	64	---	--	3.8	48	3.9	48	3.6	45
30'	---	--	4.2	52	---	--	2.4	30	2.4	29	2.3	27
33'	---	--	3.3	40	---	--	1.5	5	1.1	13	0.7	1

Transect	C						D					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.2	98	7.2	97	7.4	100	6.3	90	6.1	86	6.4	90
3'	6.9	94	7.0	95	7.1	97	6.3	89	6.1	86	6.4	90
6'	6.7	91	6.9	94	6.9	93	5.9	83	5.9	83	6.3	88
9'	6.7	91	6.8	90	---	---	---	--	5.1	67	6.1	80
12'	6.5	87	6.6	88	---	---	---	--	4.3	55	4.4	56
15'	5.9	77	6.5	84	---	---	---	--	2.8	34	3.6	45
18'	5.9	76	5.8	75	---	---	---	--	2.6	32	2.9	36
21'	5.5	70	5.4	69	---	---	---	--	---	--	---	--
24'	4.7	60	---	--	---	---	---	--	---	--	---	--
27'	2.6	32	---	--	---	---	---	--	---	--	---	--

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.3	97	6.0	89	5.9	86	6.7	90	6.6	85	7.7	100
3'	6.0	92	5.6	83	5.7	84	6.5	88	6.5	84	7.7	101
6'	5.9	90	5.5	81	5.1	74	6.0	80	5.8	69	7.6	100
9'	---	--	---	--	5.0	63	5.4	66	---	--	---	---
12'	---	--	---	--	4.1	50	---	--	---	--	---	---

Transect	I	
Depth 0'	---	--
3'	---	--
6'	---	--

H.B. ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
August 29, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.5	72	6.0	77	5.8	75	5.8	75	5.8	77	5.9	77
3'	6.2	82	6.0	77	6.0	78	5.8	75	5.7	76	5.8	77
6'	6.2	82	5.9	77	6.2	82	5.5	73	5.7	76	5.8	77
9'	6.1	82	5.8	76	6.3	83	5.4	71	5.7	75	5.8	77
12'	6.1	82	6.0	77	---	--	5.4	71	5.6	74	5.7	76
15'	5.7	75	6.0	77	---	--	5.4	70	5.6	74	5.6	75
18'	5.0	65	5.8	76	---	--	4.8	63	4.4	57	5.1	67
21'	3.8	50	4.1	53	---	--	3.7	50	3.7	50	4.5	60
24'	3.3	43	2.8	37	---	--	2.8	37	3.1	41	3.4	47
27'	---	--	2.3	29	---	--	2.3	29	2.1	28	2.9	38
30'	---	--	1.8	23	---	--	1.2	14	1.1	14	3.1	41
33'	---	--	1.5	19	---	--	---	--	---	--	---	--
36'	---	--	1.4	17	---	--	---	--	---	--	---	--

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.9	78	5.8	77	5.9	77	5.8	77	5.9	78	5.9	78
3'	5.9	78	5.8	77	6.0	80	6.0	80	6.0	81	6.0	80
6'	5.9	78	5.8	77	6.1	81	6.0	80	5.9	78	6.0	80
9'	5.9	78	5.7	76	---	--	---	--	5.9	78	6.3	84
12'	5.9	78	5.8	77	---	--	---	--	5.9	77	---	--
15'	5.8	77	5.6	75	---	--	---	--	5.4	73	---	--
18'	4.4	57	5.0	67	---	--	---	--	5.4	72	---	--
21'	2.6	34	3.6	47	---	--	---	--	3.6	48	---	--
24'	1.6	21	2.0	26	---	--	---	--	---	--	---	--

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.4	74	5.2	71	5.6	78	4.5	68	4.6	68	4.2	60
3'	5.4	74	5.4	74	5.4	75	4.5	68	4.6	67	4.2	60
6'	5.4	74	5.4	74	5.4	75	4.7	72	5.0	73	4.4	65
9'	---	--	5.4	74	5.4	73	4.8	73	5.5	73	4.8	67
12'	---	--	5.0	68	5.0	67	4.8	74	---	55	---	--

Station	F		G		H		I		J		K	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.2	70	6.3	80	6.6	87	7.3	88	6.8	82	5.6	72
3'	5.2	72	6.4	81	6.6	87	7.0	86	6.8	80	6.0	79
6'	4.8	60	5.8	73	---	--	6.8	81	6.8	79	5.6	73
9'	---	--	5.6	67	---	--	---	--	---	--	---	--
12'	---	--	5.6	67	---	--	---	--	---	--	---	--

H. B. ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
September 4, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.7	74	5.3	68	5.3	68	5.7	74	5.4	69	5.5	70
3'	5.6	72	5.2	67	5.3	68	5.7	74	5.4	69	5.5	70
6'	5.6	72	5.3	68	5.4	69	5.7	74	5.4	69	5.4	69
9'	5.6	72	5.3	68	5.4	69	5.6	72	5.4	69	5.4	69
12'	5.6	72	5.3	68	5.8	75	5.6	72	5.4	69	5.4	69
15'	5.6	72	5.2	67	---	--	5.6	72	5.4	69	5.4	69
18'	5.6	72	5.2	67	---	--	5.7	74	5.4	69	5.4	69
21'	5.5	70	5.2	67	---	--	5.7	74	5.4	69	5.3	67
24'	---	--	4.9	63	---	--	5.6	72	5.4	69	5.4	69
27'	---	--	4.4	56	---	--	5.6	72	5.3	67	5.4	69
30'	---	--	4.2	54	---	--	2.5	34	2.2	29	4.4	57
33'	---	--	4.2	54	---	--	---	--	0.3	3	0.2	2

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.8	77	5.8	75	6.1	77	5.8	77	5.5	73	5.7	75
3'	5.8	77	5.8	75	6.0	76	5.8	77	5.4	71	5.6	73
6'	5.8	77	5.8	75	6.1	78	5.7	77	5.4	71	5.6	73
9'	5.7	75	5.8	75	6.2	78	5.8	77	5.4	71	5.6	73
12'	5.7	75	5.8	75	---	--	---	--	5.8	77	5.7	75
15'	5.8	77	5.8	75	---	--	---	--	5.8	77	5.6	73
18'	5.7	75	5.8	75	---	--	---	--	5.5	72	5.5	71
21'	5.2	67	---	--	---	--	---	--	5.5	72	---	--
24'	5.2	67	---	--	---	--	---	--	5.4	70	---	--

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.5	76	5.4	73	0.5	74	4.5	65	4.9	71	5.2	74
3'	5.5	76	5.2	71	5.5	74	4.8	70	4.9	71	5.2	74
6'	5.5	75	5.0	68	5.6	76	5.0	68	5.5	77	5.1	72
9'	---	--	5.2	68	5.5	73	---	--	4.9	65	5.3	70
12'	---	--	5.6	73	5.4	70	---	--	---	--	4.9	63

Station		F		G		H		I		J		K	
		D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth	0'	6.0	80	5.8	70	6.7	84	5.6	64	5.6	64	5.8	71
	3'	6.0	78	5.8	70	6.6	83	5.6	64	5.6	64	5.7	73
	6'	5.8	76	5.6	67	6.7	84	5.6	64	5.6	64	6.0	75
	9'	4.9	62	---	--	---	--	5.6	64	---	--	---	--

H. B. ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
October 16, 1974

Transect		A						B					
Station		3		2		1		3		2		1	
		D.O.	% Sat.	D.O.	% Sat.	D.O	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth	0'	7.4	83	7.6	85	7.7	86	7.6	86	7.5	83	7.8	87
	3'	7.3	81	7.6	85	7.7	86	7.6	86	7.4	83	7.7	88
	6'	7.3	81	7.5	83	7.7	86	7.5	84	7.4	83	7.7	88
	9'	7.3	81	7.5	83	7.6	85	7.5	84	7.4	83	7.6	87
	12'	7.2	80	7.4	82	7.5	84	7.6	86	7.3	82	7.6	87
	15'	6.9	77	7.4	82	---	--	7.5	84	7.2	80	7.6	87
	18'	5.2	57	6.8	76	---	--	7.4	84	7.1	79	6.7	75
	21'	4.6	50	5.2	57	---	--	7.3	82	6.7	73	6.0	66
	24'	---	--	3.4	40	---	--	5.0	55	6.0	67	5.7	63
	27'	---	--	2.8	30	---	--	3.8	41	3.6	39	2.3	25
	30'	---	--	2.7	28	---	--	3.7	40	3.5	38	2.8	30
	33'	---	--	---	--	---	--	---	--	---	--	2.8	30

Transect		C						CA					
Station		3		2		1		3		2		1	
		D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth	0'	8.1	93	7.9	89	7.7	87	7.7	89	7.8	90	7.7	89
	3'	8.0	91	7.9	89	7.8	88	7.7	89	7.6	88	7.6	88
	6'	7.9	90	7.9	89	7.7	87	7.7	89	7.7	89	7.7	89
	9'	7.9	90	7.8	88	---	--	7.7	88	7.6	88	7.7	89
	12'	7.9	90	7.8	88	---	--	7.8	89	7.4	86	7.7	89
	15'	7.8	89	7.8	88	---	--	---	--	7.4	84	7.7	87
	18'	7.3	83	7.8	88	---	--	---	--	6.6	73	7.2	82
	21'	6.4	70	6.9	76	---	--	---	--	6.0	67	5.6	62
	24'	4.0	44	5.1	56	---	--	---	--	---	--	---	--

Transect		D						E					
Station		3		2		1		3		2		1	
		D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth	0'	7.0	83	7.0	83	7.0	85	5.2	67	5.3	67	5.7	72
	3'	7.0	83	6.9	82	7.0	85	5.2	68	5.3	68	5.7	73
	6'	7.0	83	7.0	83	7.0	85	5.2	68	5.5	69	5.7	72
	9'	---	--	7.0	83	7.0	84	5.2	68	---	--	6.4	79
	12'	---	--	---	--	7.1	84	5.2	68	---	--	---	--

Station		F		G		H		I*		J		K*	
		D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth	0'	6.6	80	7.8	88	8.3	92	7.3	73	7.9	81	7.3	78
	3'	6.7	82	7.8	87	8.3	92	7.3	73	7.9	81	7.1	76
	6'	7.4	86	7.8	84	---	--	7.1	71	---	--	7.1	76

*October 17, 1974

H. B. ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
November 13, 1974

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.5	79	8.0	87	7.6	81	7.5	78	8.2	88	8.2	88
3'	7.5	80	8.0	87	7.7	82	7.5	79	8.1	88	8.2	88
6'	7.5	80	8.1	87	7.7	82	7.5	80	8.0	87	8.2	90
9'	7.6	81	8.0	87	7.8	83	7.6	81	8.1	87	8.1	88
12'	7.6	81	8.1	88	8.0	87	7.6	81	8.0	86	8.0	87
15'	7.6	81	8.1	88	---	--	7.6	81	7.9	85	8.0	86
18'	7.5	80	8.2	89	---	--	7.6	81	7.9	85	8.0	86
21'	---	--	8.1	88	---	--	7.5	80	7.9	85	8.0	86
24'	---	--	8.1	88	---	--	---	--	7.9	85	7.9	85
27'	---	--	8.0	87	---	--	---	--	7.8	84	7.9	85
30'	---	--	8.0	87	---	--	---	--	7.8	84	7.8	84
33'	---	--	7.9	84	---	--	---	--	---	--	7.2	77

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.3	90	8.1	88	8.5	94	8.5	95	8.2	91	8.0	89
3'	8.1	88	8.1	88	8.5	94	8.2	92	8.2	93	8.0	90
6'	8.1	88	8.1	88	8.5	94	7.9	88	8.2	93	7.9	88
9'	8.0	87	8.2	90	---	--	7.4	81	7.8	87	7.8	86
12'	7.9	86	7.9	86	---	--	6.9	75	7.6	83	7.8	86
15'	7.9	86	7.9	86	---	--	6.9	75	7.2	78	---	--
18'	7.9	86	7.9	86	---	--	---	--	7.4	80	---	--
21'	7.7	83	8.0	87	---	--	---	--	6.5	71	---	--
24'	7.7	83	8.0	87	---	--	---	--	---	--	---	--

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.1	93	7.9	90	7.9	92	7.6	97	7.5	93	7.2	88
3'	8.0	90	7.9	92	7.9	92	7.6	98	7.6	94	7.5	90
6'	7.9	88	7.7	87	7.9	92	7.6	98	8.2	97	7.9	93
9'	---	--	7.7	87	7.6	85	---	--	---	--	8.9	91
12'	---	--	7.5	83	7.6	84	---	--	---	--		

Station		F		G		H*		I*		J		K	
		D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth	0'	7.9	84	9.1	86	8.0	83	9.5	85	9.7	85	7.1	74
	3'	8.2	86	9.2	86	8.2	85	9.4	84	9.7	85	7.1	74
	6'	8.6	85	9.2	86	---	--	9.3	83	---	--	7.4	77

* on November 14, 1974

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION

December 11, 1974

	Transect	A						B					
	Station	3		2		1		3		2		1	
		D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
December	Depth 0'	10.6	99	9.6	88	10.8	102	10.6	103	10.6	101	10.6	100
	3'	10.5	98	9.6	89	10.8	102	10.5	102	10.5	102	10.5	100
	6'	10.4	97	9.6	89	10.7	101	10.4	100	10.4	100	10.4	99
	9'	10.4	97	9.8	92	10.6	99	10.4	100	10.4	100	10.4	99
	12'	10.4	97	9.8	92	10.6	99	10.3	99	10.4	100	10.4	99
	15'	10.4	97	9.8	92	10.6	99	10.3	99	10.4	100	10.4	99
	18'	10.4	97	9.9	93	--	--	10.3	99	10.4	98	10.4	99
	21'	10.4	97	9.9	93	--	--	10.4	99	10.4	98	10.4	99
	24'	10.4	97	10.0	94	--	--	10.6	101	10.4	98	10.4	99
	27'	--	--	10.1	95	--	--	10.4	99	10.6	100	10.4	99
	30'	--	--	10.1	95	--	--	10.4	99	10.6	100	10.4	99
	33'	--	--	--	--	--	--	--	--	--	--	10.4	99

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	10.6	103	10.6	102	10.6	101	10.4	106	9.9	98	9.9	98
3'	10.6	103	10.4	100	10.6	100	10.6	106	10.2	103	10.4	102
6'	10.5	102	10.4	100	10.6	100	10.8	106	10.5	103	10.4	102
9'	10.5	102	10.4	100	--	--	10.8	106	10.6	103	10.5	102
12'	10.5	102	10.4	100	--	--	10.6	103	10.1	97	10.5	102
15'	10.5	102	10.4	100	--	--	10.6	102	10.1	97	10.4	101
18'	10.4	100	10.4	100	--	--	10.2	97	10.1	96	10.4	101
21'	9.8	93	10.4	87	--	--	--	--	10.1	95	--	--
24'	9.6	92	9.2	86	--	--	--	--	--	--	--	--

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	10.1	107	9.4	98	9.8	103	10.2	114	9.2	102	9.0	99
3'	10.4	108	9.4	97	9.8	103	10.2	115	9.4	102	9.0	100
6'	10.4	107	10.4	107	10.6	104	10.2	116	10.2	105	9.4	102
9'	--	--	10.4	101	10.8	107	--	--	--	--	12.2	110
12'	--	--	10.4	100	10.8	105	--	--	--	--	12.2	109
15'	--	--	--	--	11.2	104	--	--	--	--	--	--

Station	F		G		H		I		K			
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	10.8	106	13.8	112	10.1	97	12.7	120	10.1	98		
3'	12.8	110	13.5	108	10.0	95	12.4	114	10.0	96		
6'	12.5	107	13.4	107	10.0	95	12.2	113	9.8	93		
9'	--	--	--	--	--	--	11.7	97	--	--		

The Dissolved Oxygen Meter was checked and recalibrated upon its return to the Apex Laboratory. No significant variation was noted. Therefore, it is assumed that field readings were correct, and supersaturation existed in both the impoundment and Black Creek.

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION

January 16, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.7	93	10.2	98	9.4	88	9.9	97	9.8	94	10.2	98
3'	9.4	91	10.0	97	9.6	91	9.8	96	9.7	96	9.8	96
6'	9.4	91	10.0	97	9.8	95	9.7	95	9.6	95	9.8	96
9'	9.4	92	10.0	97	10.0	94	9.6	94	9.6	95	9.8	96
12'	9.6	94	10.0	97	--	--	9.6	94	9.6	95	9.8	96
15'	9.6	94	10.0	97	--	--	9.6	94	9.7	96	9.8	96
18'	9.6	94	10.1	98	--	--	9.6	94	9.7	96	9.8	96
21'	9.6	93	10.1	98	--	--	9.6	94	9.7	96	9.8	96
24'	9.6	94	10.2	98	--	--	9.8	95	9.7	96	9.9	97
27'	--	--	10.2	98	--	--	9.8	95	9.8	97	9.9	97
30'	--	--	10.2	98	--	--	9.7	94	9.8	97	9.8	96
33'	--	--	10.2	98	--	--	9.6	93	9.8	97	9.8	96

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O	% Sat.
Depth 0'	9.9	98	9.9	97	9.7	96	9.9	99	9.9	99	9.8	100
3'	9.8	98	9.8	97	9.7	99	9.8	98	9.9	99	9.8	98
6'	9.7	96	9.7	95	9.6	94	9.8	98	9.8	98	9.8	98
9'	9.7	96	9.6	94	9.6	94	9.8	98	9.8	98	9.7	97
12'	9.7	96	9.7	96	--	--	9.6	97	9.8	98	9.7	97
15'	9.7	96	--	--	--	--	9.6	95	9.8	97	9.7	97
18'	9.7	96	--	--	--	--	9.4	93	9.6	95	9.5	94
21'	9.7	96	--	--	--	--	--	--	9.5	94	9.3	91
24'	9.7	96	--	--	--	--	--	--	9.5	94	9.2	90
27'	9.7	96	--	--	--	--	--	--	--	--	--	--

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.9	103	7.5	100	9.6	100	9.8	107	8.9	100	9.0	101
3'	9.9	103	9.5	100	9.6	101	9.6	105	9.0	100	9.0	103
6'	9.9	103	9.7	101	9.6	100	9.8	107	9.4	102	9.2	103
9'	9.8	102	9.8	101	9.6	98	11.4	118	--	--	11.4	112
12'	--	--	10.0	103	10.0	101	--	--	--	--	11.5	107
15'	--	--	--	--	10.5	100	--	--	--	--	12.0	107
18'					10.2	97				--	--	--

Station	F		G		H		I		K	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	10.7	107	13.2	107	11.4	111	13.5	114	10.8	104
3'	12.8	112	13.2	107	11.5	112	13.5	112	10.8	104
6'	13.3	114	12.8	103	11.5	113	13.5	112	10.7	103
9'	13.3	112	12.8	103	11.6	114	13.0	110	---	---
12'	---	---	12.6	102	---	---	---	---	---	---

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION

February 5, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.8	85	8.9	86	8.8	85	8.9	86	8.8	83	8.6	82
3'	8.7	84	8.8	85	8.8	85	8.8	85	8.8	85	8.6	82
6'	8.6	83	8.8	85	8.7	84	8.8	85	8.7	83	8.6	82
9'	8.6	83	8.7	84	8.7	84	8.8	85	8.8	85	8.6	82
12'	8.6	83	8.7	84	8.8	85	8.8	85	8.7	83	8.6	82
15'	8.6	83	8.7	84	8.7	84	8.8	85	8.7	83	8.6	82
18'	8.6	83	8.7	84	---	--	8.8	85	8.8	85	8.6	82
21'	8.7	84	8.7	84	---	--	8.8	85	8.8	85	8.6	82
24'	---	--	8.7	84	---	--	8.8	85	8.8	85	8.6	82
27'	---	--	8.7	84	---	--	8.8	85	8.8	85	8.6	82
30'	---	--	8.7	84	---	--	8.8	85	8.8	85	8.6	82

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.6	84	8.7	85	8.9	86	8.6	85	8.4	83	7.9	76
3'	8.6	84	8.7	85	8.8	85	8.5	85	8.4	83	7.9	76
6'	8.5	83	8.7	85	8.9	86	8.6	85	8.6	88	7.9	76
9'	8.5	82	8.7	85	---	--	8.6	85	8.8	85	8.3	78
12'	8.6	83	8.8	85	---	--	8.7	83	8.9	86	8.5	78
15'	8.6	83	8.8	85	---	--	---	--	8.9	86	8.5	78
18'	8.6	83	8.8	85	---	--	---	--	8.9	86	8.5	78
21'	8.6	83	8.8	85	---	--	---	--	8.9	86	8.5	78
24'	8.6	83	8.8	85	---	--	---	--	8.9	86	8.5	78

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.0	86	8.8	86	8.5	84	7.6	83	8.1	79	8.0	84
3'	8.8	87	8.6	84	8.3	81	7.7	84	8.4	87	7.6	80
6'	8.7	86	8.6	84	8.3	81	7.4	76	8.7	87	7.8	82
9'	8.7	85	8.6	84	8.5	83	---	--	---	--	10.7	94
12'	---	--	8.6	84	8.5	82	---	--	---	--	10.6	93
15'	---	--	---	--	8.5	82	---	--	---	--	----	--
18'	---	--	---	--	8.5	80	---	--	---	--	----	--

Station	F		G		H		I*		K	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.6	83	11.1	88	9.6	90	11.9	100	9.0	84
3'	10.8	87	11.0	87	9.8	91	11.6	96	9.1	85
6'	10.6	86	13.4	107	---	--	11.5	95	9.2	86
9'	---	--	14.0	112	---	--	11.4	95	9.2	87

* Sampled February 6, 1975

H. B. ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
March 5, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.4	84	8.5	83	8.4	82	8.4	84	8.5	84	8.2	79
3'	8.3	82	8.4	82	8.2	79	8.6	86	8.3	82	8.2	80
6'	8.2	81	8.3	81	8.0	77	8.6	84	8.3	81	8.2	78
9'	8.1	78	8.4	81	7.9	76	8.6	82	8.4	82	8.1	77
12'	8.1	77	8.3	80	7.9	76	8.5	82	8.4	81	8.1	77
15'	8.1	77	8.3	80	7.9	76	8.5	81	8.5	80	8.2	77
18'	8.2	78	8.2	78	7.9	76	8.4	81	8.5	82	8.0	76
21'	8.2	78	8.2	78	7.9	76	8.4	81	8.5	82	8.0	76
24'	---	--	8.2	78	---	--	8.4	81	8.4	81	8.1	77
27'	---	--	8.0	76	---	--	8.4	81	8.4	81	8.2	78
30'	---	--	8.0	76	---	--	8.2	78	8.4	81	8.2	77
33'	---	--	8.0	76	---	--	---	--	8.4	81	8.2	77
36'	---	--	---	--	---	--	---	--	---	--	7.8	73

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.4	87	8.8	90	8.8	89	8.3	89	8.6	92	8.4	87
3'	8.6	88	8.7	87	8.9	89	8.3	87	8.6	89	8.4	87
6'	8.7	87	8.7	86	9.0	88	8.4	84	9.0	90	8.8	88
9'	8.8	86	8.7	86	---	--	8.4	83	8.7	87	8.8	87
12'	8.7	85	8.6	84	---	--	---	--	8.6	85	8.8	87
15'	8.6	84	8.5	83	---	--	---	--	8.6	85	---	--
18'	8.6	84	---	--	---	--	---	--	8.8	86	---	--
21'	8.5	82	---	--	---	--	---	--	8.9	86	---	--
24'	8.4	80	---	--	---	--	---	--	8.8	85	---	--

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.4	92	7.6	82	7.8	85	8.4	97	7.4	83	6.7	73
3'	8.6	89	7.9	82	8.1	86	8.6	99	7.4	83	7.2	80
6'	8.6	87	8.2	84	8.3	84	8.7	100	8.0	87	7.0	75
9'	---	--	8.5	84	8.1	83	---	--	---	--	9.8	87
12'	---	--	---	--	8.1	82	---	--	---	--	9.5	86
15'	---	--	---	--	8.3	81	---	--	---	--	---	--

Station	F		G		H*		I*		K*	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.9	68	10.4	95	11.2	105	9.6	87	11.1	112
3'	8.3	77	10.4	90	11.2	107	8.9	79	10.8	106
6'	9.2	77	10.2	88	11.6	111	8.4	73	10.4	102
9'	9.2	76	----	--	----	---	8.6	76	10.4	102
12'	9.0	75	----	--	----	---	---	--	----	---

*Sampled March 6, 1975

H. B. ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
March 20, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.9	101	9.9	101	10.2	105	9.9	102	9.9	102	10.0	101
3'	9.9	101	9.9	101	10.2	105	9.8	100	9.8	100	9.9	101
6'	9.9	101	10.0	102	10.1	104	9.8	100	9.8	100	9.8	100
9'	9.9	100	9.9	100	---	---	9.8	100	9.8	100	9.8	100
12'	9.9	100	9.9	100	---	---	9.8	100	9.8	100	9.8	100
15'	9.9	100	9.9	100	---	---	9.8	100	9.8	100	9.8	99
18'	9.9	100	10.0	102	---	---	9.8	100	9.8	100	9.8	99
21'	9.9	100	10.0	102	---	---	9.8	100	9.8	100	9.8	98
24'	---	---	10.0	102	---	---	9.8	100	9.8	100	9.8	98
27'	---	---	9.9	100	---	---	9.8	100	9.8	100	9.8	98
30'	---	---	9.9	100	---	---	9.8	100	9.7	98	9.8	98
33'	---	---	9.9	100	---	---	9.7	98	9.7	98	9.7	98
36'	---	---	9.9	100	---	---	---	---	---	---	---	---

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.8	101	9.7	100	9.5	99	9.4	100	9.4	100	9.5	101
3'	9.8	101	9.7	101	9.5	98	9.5	100	9.4	100	9.5	101
6'	9.8	101	9.8	102	9.7	100	9.8	101	9.5	102	9.5	101
9'	9.8	100	9.8	101	---	---	9.8	100	9.9	102	9.5	97
12'	10.0	102	9.8	101	---	---	---	---	9.9	102	9.9	101
15'	10.0	101	9.8	99	---	---	---	---	9.9	100	9.8	100
18'	10.0	101	9.8	99	---	---	---	---	9.8	99	---	---
21'	10.0	101	9.7	98	---	---	---	---	9.8	99	---	---
24'	9.8	98	---	---	---	---	---	---	9.6	97	---	---
27'	9.8	98	---	---	---	---	---	---	---	---	---	---

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.5	104	9.6	104	9.4	103	9.0	104	9.4	107	9.2	105
3'	9.5	104	9.6	104	9.4	103	9.0	104	9.4	106	9.1	105
6'	9.5	104	9.6	104	9.4	103	9.3	108	10.1	109	9.8	106
9'	---	---	9.5	102	9.4	102	---	---	10.5	105	11.3	109
12'	---	---	9.9	104	9.8	104	---	---	---	---	11.1	107

Station	F		G		H		I	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	10.9	106	10.5	101	11.8	124	11.6	115
3'	10.8	104	10.1	98	11.6	122	11.6	115
6'	10.8	104	10.1	97	11.5	120	11.4	114
9'	10.7	103	---	---	---	---	11.3	112

H. B. ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
May 12, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth* 0'	8.4	99	8.6	101	8.4	100	8.2	98	8.2	98	8.4	101
3'	8.3	96	8.8	101	8.6	102	8.4	100	8.4	100	8.6	103
7'	8.7	99	8.7	100	8.7	99	8.4	97	8.4	98	8.7	101
10'	8.7	99	8.6	98	8.5	97	8.2	94	8.3	95	8.4	96
13'	8.1	92	8.4	95	8.2	93	8.2	94	8.2	94	8.4	95
16'	8.1	92	8.2	93	8.1	92	8.1	93	8.2	94	8.3	94
20'	7.2	82	8.0	91	7.8	88	6.9	78	8.0	91	7.9	88
23'	6.9	78	7.1	80	---	---	6.9	78	7.5	85	7.3	83
26'	6.3	70	7.1	79	---	---	6.7	76	6.6	74	6.8	77
30'	---	--	5.9	66	---	---	6.0	67	6.0	67	5.8	65
33'	---	--	6.1	68	---	---	5.2	58	6.0	66	5.6	62
36'	---	--	5.2	58	---	---	---	---	5.4	60	3.5	39
39'	---	--	---	--	---	---	---	---	---	---	0.5	5

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.4	102	8.6	103	8.4	100	8.4	102	8.5	103	8.3	100
3'	8.6	103	8.7	104	8.6	104	8.6	103	8.6	104	8.7	107
7'	8.6	100	8.6	100	8.7	103	8.6	103	8.6	103	8.6	102
10'	8.6	99	8.6	98	---	---	8.5	100	7.8	89	8.3	96
13'	8.0	92	7.8	88	---	---	---	---	---	---	8.0	92
16'	7.9	89	7.4	84	---	---	---	---	---	---	7.6	86
20'	5.9	65	6.5	73	---	---	---	---	---	---	6.5	72
23'	5.6	62	5.0	56	---	---	---	---	---	---	6.3	69
26'	5.3	58	4.8	53	---	---	---	---	---	---	---	---

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.4	102	8.4	101	8.6	104	7.9	95	8.0	98	7.9	95
3'	8.6	104	8.5	102	8.6	104	8.0	96	8.1	96	8.1	97
7'	8.6	103	8.4	100	8.5	103	8.1	97	7.9	93	8.3	100
10'	---	---	8.3	97	8.0	91	8.1	97	---	--	7.3	79
13'	---	---	---	---	7.7	87	8.1	97	---	--	6.8	73
16'	---	---	---	---	6.2	68	7.9	94	---	--	---	---

Station	F		G		H		I		J	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.4	100	8.8	105	9.4	107			8.4	96
3'	8.5	103	7.2	87	9.6	109			8.4	97
7'	7.5	81	7.1	73	9.5	107			8.5	97
10'	7.0	75	7.0	73	---	---			8.4	97

Dissolved oxygen was recorded at meter intervals.

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
May 22, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.0	99	7.6	96	7.8	97	8.1	102	8.1	102	8.1	102
3'	8.1	98	7.7	94	7.6	94	8.1	100	8.2	101	8.1	100
6'	8.0	96	7.9	96	7.8	95	7.9	96	7.8	95	8.0	97
9'	7.6	91	8.1	97	7.5	90	7.5	90	7.5	90	7.3	87
12'	7.4	88	7.8	93	7.4	88	7.4	87	7.2	85	7.3	87
15'	7.2	86	7.2	85	6.5	77	7.1	84	7.0	83	7.0	84
18'	6.9	81	6.6	78	-	-	6.7	78	6.7	78	6.7	77
21'	6.0	69	6.1	70	-	-	5.7	66	6.4	75	6.6	77
24'	-	-	5.6	64	-	-	5.7	66	5.7	66	6.1	70
27'	-	-	5.2	59	-	-	5.1	59	4.9	56	5.1	58
30'	-	-	4.6	52	-	-	3.0	34	2.9	32	2.9	33
33'	-	-	3.4	39	-	-	2.4	26	2.4	26	2.6	29
36'	-	-	1.8	20	-	-	-	-	-	-	-	-
39'	-	-	1.9	21	-	-	-	-	-	-	-	-

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.0	102	8.0	101	8.1	102	8.1	103	8.1	104	8.1	104
3'	8.0	101	8.0	100	8.0	98	8.0	100	7.9	98	8.0	103
6'	7.9	97	7.9	98	8.0	98	7.9	98	7.9	98	7.9	98
9'	7.4	90	7.5	91	-	-	7.0	86	7.0	85	7.4	90
12'	7.3	88	7.2	86	-	-	6.8	81	7.0	84	7.1	85
15'	6.8	81	6.8	80	-	-	5.9	82	6.7	80	6.3	74
18'	5.8	68	6.1	71	-	-	5.5	64	4.8	54	6.2	73
21'	5.1	59	4.8	56	-	-	4.6	52	4.5	53	-	-
24'	4.7	54	4.7	54	-	-	4.5	51	2.3	51	-	-
27'	3.1	35	-	-	-	-	-	-	-	-	-	-

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.8	102	7.9	102	8.0	84	6.9	88	7.9	103	7.9	103
3'	7.9	100	7.7	97	7.8	82	6.9	88	7.9	102	7.9	104
6'	7.3	94	7.5	94	7.4	82	6.9	88	7.5	95	7.5	94
9'	7.2	89	6.5	79	6.4	80	7.0	89	-	-	6.2	71
12'	-	-	6.1	72	6.2	76	6.9	88	-	-	5.8	66
15'	-	-	-	-	6.0	73	-	-	-	-	-	-
18'					4.9	73	-	-	-	-	-	-

Station	F		G		H		I		K	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.9	104	8.1	105	8.8	107	7.5	93	6.5	75
3'	7.9	97	8.0	103	8.8	106	7.5	93	6.7	78
6'	7.3	88	6.0	68	8.9	107	6.3	77	6.5	74
9'	-	-	-	-	-	-	-	-	6.9	78

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

May 22, 1975

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %	15' D.O.	15' %
1	8.0	105	7.7	98	7.3	91	7.2	89	6.5	82		
2	7.9	101	7.9	102	7.4	95	7.2	89	6.1	70	5.9	67
3	8.0	105	8.0	106	7.8	100	7.6	90	5.9	69		
4	8.0	101	8.0	106	7.7	100	7.7	97	6.9	78		
5	7.7	98	7.3	93	7.2	90	7.2	89				
6	8.0	103	8.0	103	7.2	90	7.1	89	5.9	67		
7	8.1	108	7.9	105	7.3	91	7.2	89	6.0	70		
9	8.0	104	7.8	100	6.9	85						
10	7.9	101	7.3	94	7.2	91	6.9	84				
11	7.9	101	7.8	100	7.3	91	7.1	88	5.8	66		
12	8.0	104	7.9	104	7.3	93	7.2	89	5.5	67		
13	8.0	105	7.9	104	7.9	104	7.0	85	3.4	38		
14	7.8	100	7.1	90	6.9	87						
15	8.0	105	7.4	96	7.1	90	7.0	90				
16	7.9	101	7.9	101	7.5	95						
17	7.9	101	7.9	101	7.4	94	7.0	83	5.5	62		
18	7.9	104	7.9	104	7.4	94	7.0	84	4.8	54		
19	7.7	100	7.2	91								
20	7.9	104	7.5	97								
21	7.9	104	7.8	103	7.2	90	6.2	72	5.9	68		
22	7.9	104	7.9	104	7.5	95	6.2	71	5.8	66		
23	7.9	104	7.9	105	7.1	90	7.0	84	5.8	66		
24	8.8	116										
25	8.3	109	8.2	109								
26	8.0	105	7.9	105	6.9	86	6.6	78	5.9	67		
27	7.8	102	7.8	102	7.1	80	6.2	71	6.0	68		
28	8.0	105	7.9	105	7.6	95						
29	8.0	105	7.8	100								
30	8.0	105	7.9	105	7.3	94	6.1	70	6.1	69		
31	7.9	105	7.9	105	7.8	96	6.5	76	5.4	62		
32	8.4	115										
33	7.8	102	7.7	101	7.3	90	6.1	70	6.0	70		
34	7.5	100	7.6	101	7.2	90	6.6	80	5.6	65		

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.1	100	7.8	98	8.0	100	8.2	103	8.1	102	7.8	98
3'	7.8	98	7.9	99	7.9	99	8.2	103	8.1	102	7.8	98
6'	8.0	100	7.7	97	7.9	99	8.2	103	8.2	103	7.8	98
9'	8.1	102	7.7	98	7.9	100	8.2	104	8.2	104	7.8	98
12'	8.1	102	7.5	94	8.0	101	8.1	103	8.2	103	7.9	100
15'	8.1	101	7.3	91	8.0	100	8.0	101	8.1	102	7.9	98
18'	8.1	101	7.6	96	-	-	8.0	100	8.1	102	7.7	97
21'	8.1	101	7.8	98	-	-	7.9	99	8.1	101	7.7	97
24'	8.1	102	7.9	99	-	-	7.9	100	7.9	100	7.6	96
27'	-	-	7.9	100	-	-	6.4	80	7.6	95	7.2	89
30'	-	-	-	-	-	-	-	-	3.7	45	7.0	88
33'	-	-	-	-	-	-	-	-	2.3	28	2.2	27

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.7	100	8.1	102	6.3	77	7.9	101	8.0	101	7.9	100
3'	7.8	102	8.1	102	6.5	82	7.8	97	8.0	101	7.9	97
6'	7.8	101	8.1	102	6.5	82	7.8	100	8.1	103	7.9	100
9'	7.7	100	8.1	103	-	-	7.8	100	8.1	100	7.9	100
12'	7.7	99	8.2	104	-	-	-	-	8.1	103	7.8	98
15'	7.8	98	8.2	104	-	-	-	-	8.1	103	7.8	97
18'	0.2	3	8.2	103	-	-	-	-	7.8	98	-	-
21'	0.2	3	8.2	104	-	-	-	-	7.2	89	-	-
24'	-	-	7.1	87	-	-	-	-	6.1	76	-	-
27'	-	-	6.8	84	-	-	-	-	-	-	-	-

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.7	102	7.7	104	7.8	101	7.5	110	7.5	108	7.6	108
3'	7.8	104	7.7	103	7.8	101	7.6	111	7.5	109	7.6	109
6'	7.6	100	7.4	94	7.6	97	7.6	112	7.3	100	7.6	105
9'	-	-	7.0	87	7.3	93	7.7	114	-	-	6.6	83
12'	-	-	5.5	69	6.6	83	7.7	114	-	-	4.9	60
15'	-	-	-	-	5.1	63	7.7	114	-	-	-	-
18'	-	-	-	-	3.2	40	-	-	-	-	-	-

Station	F		G		H		K	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.8	110	8.0	95	9.1	113	8.3	103
3'	8.1	105	7.9	93	9.2	114	8.2	101
6'	7.5	94	7.5	88	-	-	8.3	103
9'	6.8	84	-	-	-	-	-	-

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

June 10, 1975

ling ion	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %	15' D.O.	15' %
	7.7	108	7.7	108	7.6	105	5.8	73				
	7.5	105	7.7	106	6.9	90	5.6	70	4.4	55		
	7.6	105	7.5	102	7.6	99	6.0	75	4.3	54		
	7.8	106	7.6	102	7.4	95	6.6	83				
	7.8	106	7.7	110	7.5	100	6.8	85				
	7.6	104	7.7	105	7.7	109	7.2	90	4.2	52		
	7.6	110	7.5	110	7.3	97	6.0	76	3.8	47		
	7.8	107	7.7	106	7.7	105						
	7.7	108	7.7	105	7.1	95	4.6	58				
	7.4	106	7.7	105	7.4	100	5.5	69	3.9	49		
	7.5	106	7.5	105	7.6	103	6.8	84	2.5	30		
	7.6	105	7.6	105	7.6	103	6.3	80	0.9	10		
	7.6	110	7.6	110	7.5	110						
	7.6	110	7.6	110	7.5	105	5.2	65				
	7.5	108	7.5	110	7.3	100						
	7.5	105	7.5	105	7.5	103	6.6	83	2.0	24		
	7.6	106	7.6	105	7.2	98	6.5	81	2.4	28		
	7.7	110	7.7	111								
	7.7	110	7.7	112								
	7.6	109	7.5	108	7.6	102	6.8	86	2.9	35		
	7.5	105	7.6	107	7.6	102	6.8	86	2.5	30		
	7.6	106	7.6	107	7.6	102	6.3	80				
	8.6	115										
	7.8	110	7.6	109								
	7.4	106	7.4	106	7.7	104	6.8	86	5.5	69		
	7.6	108	7.6	109	7.6	104	6.6	84	4.9	60		
	7.5	106	7.5	109	7.5	105						
	7.5	106	7.3	103								
	7.4	105	7.5	105	7.4	100	6.8	86	6.6	80		
	7.6	107	7.5	105	7.5	104	6.3	80	5.5	70		
	7.2	99										
	7.5	105	7.5	105	7.6	104	6.9	86	6.6	81		
	7.5	105	7.5	105	7.6	104	7.1	90				

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
July 1, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.7	102	7.7	102	7.7	101	7.7	103	7.7	103	7.7	102
3'	7.6	101	7.7	102	7.7	101	7.6	102	7.7	103	7.7	102
6'	7.6	101	7.7	102	7.6	100	7.5	100	7.6	101	7.7	102
9'	7.6	101	7.6	101	7.5	99	7.4	99	7.4	100	7.5	100
12'	7.6	100	7.6	101	7.5	99	7.3	97	7.4	98	7.5	100
15'	7.5	100	7.6	101	-	-	7.3	97	7.4	98	7.4	98
18'	7.5	99	7.5	100	-	-	7.2	95	7.3	98	7.4	98
21'	7.4	97	7.5	100	-	-	6.9	91	7.3	97	7.4	98
24'	7.1	94	7.5	100	-	-	6.7	89	7.1	94	7.1	98
27'	-	-	7.5	100	-	-	6.5	87	6.3	83	6.6	87
30'	-	-	7.2	95	-	-	5.4	71	5.2	67	4.0	53
33'	-	-	7.2	95	-	-	-	-	1.9	24	2.0	25
36'	-	-	2.0	26	-	-	-	-	-	-	-	-
39'	-	-	0.7	8	-	-	-	-	-	-	-	-

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.4	98	7.7	102	7.8	104	7.3	98	7.3	98	7.6	106
3'	7.5	100	7.6	100	7.7	103	7.2	97	7.4	100	7.5	100
6'	7.5	100	7.6	100	7.7	103	5.3	79	7.3	98	7.2	97
9'	7.3	97	7.4	98	-	-	-	-	6.8	90	6.6	89
12'	7.3	97	7.4	98	-	-	-	-	6.4	85	7.0	93
15'	6.8	90	7.3	96	-	-	-	-	5.6	74	7.0	93
18'	6.2	83	7.2	95	-	-	-	-	3.3	43	-	-
21'	3.9	37	5.8	76	-	-	-	-	2.4	30	-	-
24'	2.3	29	-	-	-	-	-	-	1.8	22	-	-
27'	2.1	27	-	-	-	-	-	-	-	-	-	-

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O	% Sat.
Depth 0'	7.3	103	7.3	103	7.4	103	7.9	123	7.6	116	7.5	104
3'	7.2	102	7.2	101	7.3	101	7.6	120	7.4	112	7.9	105
6'	5.3	74	6.3	84	7.0	95	7.6	120	7.9	114	6.8	95
9'	-	-	5.0	66	5.9	79	-	-	5.0	71	6.2	81
12'	-	-	4.0	53	5.0	66	-	-	3.9	50	3.6	45
15'	-	-	3.0	39	4.1	53	-	-	-	-	-	-
18'	-	-	-	-	2.7	47	-	-	-	-	-	-

Station	F		G		H		I		K	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.9	112	7.8	98	8.1	107	8.7	100	7.3	96
3'	8.0	112	7.8	98	8.1	107	8.8	101	7.3	96
6'	6.5	84	6.1	72	-	-	9.2	106	7.4	97
9'	6.0	76	-	-	-	-	-	-	-	-

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

July 1, 1975

Sampling Station	Surface		3'		6'		9'		12'		15'	
	D.O.	%	D.O.	%	D.O.	%	D.O.	%	D.O.	%	D.O.	%
1	7.7	115	7.6	113	5.2	69	4.8	63				
2	7.6	115	7.4	104	5.9	78	5.5	71	4.3	55		
3	7.7	115	7.5	104	5.6	74	4.8	64	3.5	44	1.6	18
4	7.6	115	7.3	100	5.6	74	5.3	69	3.4	44		
5	7.6	115	7.7	115	5.0	67	6.4	83				
6	7.6	115	7.2	105	6.8	93	6.2	80	3.7	47		
7	7.7	118	7.6	117	6.7	91	5.8	76	4.3	54		
9	7.8	118	7.5	115	4.8	63						
10	7.7	117	7.6	114	6.2	81	4.4	57				
11	7.6	115	7.2	105	6.1	80	5.2	67	3.6	45		
12	7.6	115	7.5	117	6.6	89	5.3	68	3.0	38		
13	7.6	115	7.5	117	6.6	89	5.6	71	2.5	32		
14	7.8	120	7.6	119	7.6	119						
15	7.5	118	7.5	117	6.7	91	2.5	33				
16	7.6	116	7.4	114	7.9	118	5.0	65	3.9	50		
17	7.5	115	7.4	115	7.7	113	6.5	85	3.1	40		
18	7.6	115	7.6	116	6.5	89	5.0	65	1.5	24		
19	7.5	115	7.4	115								
20	7.5	115	7.5	115								
21	7.7	119	7.5	115	7.4	104	6.3	80	0.4	03		
22	7.5	116	7.9	105	6.8	95	6.2	80	3.6	45		
23	7.5	115	7.4	110	7.5	104	5.9	77	1.6	18		
24	8.1	120										
25	7.7	119										
26	7.7	119	7.5	115	7.1	98	6.3	80				
27	7.6	117	8.0	119	6.8	95	6.0	79	4.3	54		
28	7.7	117	7.8	118	6.0	80						
29	7.8	118	7.6	115								
30	7.5	115	7.7	116	7.0	97	6.1	79	4.7	59		
31	7.6	115	7.8	116	7.0	104	5.8	79	3.0	39		
32	7.7	115										
33	7.5	116	7.6	115	7.4	96	6.0	75				
34	7.5	115	7.9	117	7.5	105	6.0	79				

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.1	95	6.7	89	7.1	95	7.0	94	7.2	96	7.3	98
3'	7.2	95	7.0	93	7.0	94	7.1	95	6.9	93	7.3	98
6'	6.9	91	6.6	88	7.0	94	7.1	95	7.1	95	7.2	97
9'	6.9	91	6.9	83	6.9	93	6.9	93	7.2	96	6.9	93
12'	6.6	88	4.8	63	6.9	93	6.6	88	6.6	89	6.6	89
15'	4.4	57	2.9	37	-	-	5.3	68	4.7	62	5.9	77
18'	3.8	50	1.8	22	-	-	3.1	40	3.4	45	4.6	60
21'	1.7	21	0.8	9	-	-	1.9	24	0.8	29	2.4	30
24'	0.4	4	0.1	3	-	-	1.2	15	0.1	2	0.6	7
27'	-	-	0.1	2	-	-	0.7	8	0.1	1	0.1	1
30'	-	-	0.1	2	-	-	0.4	5	0.1	1	0.0	0
33'	-	-	0.0	0	-	-	-	-	0.0	0	0.0	0

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.2	99	7.2	98	7.2	98	6.9	95	7.1	97	6.9	96
3'	7.2	99	7.2	98	7.3	100	6.8	94	7.0	97	7.0	98
6'	7.2	99	7.3	99	7.1	97	6.8	94	6.8	94	6.9	96
9'	7.1	97	7.2	98	-	-	6.5	90	6.8	94	6.9	96
12'	6.3	84	6.3	84	-	-	6.1	84	6.4	88	6.8	94
15'	4.1	54	5.7	75	-	-	-	-	6.3	84	-	-
18'	3.7	48	4.1	54	-	-	-	-	5.8	77	-	-
21'	1.8	22	4.6	58	-	-	-	-	1.5	18	-	-
24'	0.5	6	1.5	18	-	-	-	-	0.6	7	-	-
27'	-	-	0.4	4	-	-	-	-	-	-	-	-

Transect	D						E					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.6	85	6.5	91	6.3	90	4.7	70	5.5	80	5.3	78
3'	6.3	80	6.1	86	6.2	88	4.6	69	5.4	80	5.2	77
6'	6.2	79	6.3	88	6.2	88	4.3	65	5.3	78	5.0	74
9'	-	-	5.7	80	5.8	80	4.2	64	4.9	67	5.0	67
12'	-	-	-	-	5.3	73	4.2	64	4.0	52	4.5	59
15'	-	-	-	-	4.1	55	-	-	-	-	-	-
18'	-	-	-	-	2.3	29	-	-	-	-	-	-

Station	F		G		H		I*		K	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.3	87	6.1	78	7.4	97	6.4	77	6.8	89
3'	6.4	85	5.3	65	7.5	98	6.4	77	7.0	93
6'	5.8	73	5.0	61	-	-	6.2	73	6.3	82
9'	4.6	57	-	-	-	-	6.4	76	-	-

*August 6, 1975

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

August 5, 1975

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %
5	6.0	89	5.9	86	5.9	85	5.3	73		
6	5.7	84	5.7	84	5.5	78	5.3	74	3.7	49
7	5.6	84	5.3	78	5.2	75	5.0	69	4.1	53
14	5.3	81	5.4	81	4.8	73				
15	5.1	77	5.1	77	5.3	77	4.2	59		
16	5.5	81	5.4	80	5.3	79	4.9	68	4.0	53
17	5.5	81	5.3	80	5.3	80	5.1	70	1.3	17
18	5.6	84	5.5	81	5.6	83	4.6	64	3.4	44
24	5.4	81								
25	5.3	81								
26	5.2	79	5.1	78	4.9	71	4.9	66	4.0	53
27	5.3	78	5.2	78	5.0	75	5.0	67	4.5	59
28	5.3	80	5.3	80	5.1	76				
32	5.8	85								
33	5.4	80	5.2	76	5.3	77	4.9	64	4.6	64
34	5.5	80	5.5	80	5.6	81	4.7	63		
er Big Beaverdam ek	6.3	90	6.2	89	6.4	91				
le Big Beaverdam ek	6.1	84	5.3	65						

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
August 18, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.2	99	7.1	98	6.9	95	6.9	97	7.2	100	7.1	99
3'	7.2	99	7.1	98	7.2	99	6.7	93	7.2	100	7.3	102
6'	7.0	97	7.1	98	7.1	98	6.8	94	7.1	98	6.6	90
9'	7.0	95	7.0	96	7.1	97	6.8	93	6.8	91	6.5	87
12'	6.9	94	6.7	90	6.7	90	6.9	94	6.4	85	6.3	84
15'	6.4	86	6.4	84	6.4	85	6.4	86	6.4	85	6.3	84
18'	6.3	83	6.2	83	6.4	85	6.5	87	6.2	82	6.2	82
21'	6.2	82	6.2	83	-	-	6.0	80	6.3	84	6.2	82
24'	-	-	3.5	47	-	-	2.1	27	2.0	27	4.3	56
27'	-	-	0.5	5	-	-	0.7	7	1.1	13	1.3	15
30'	-	-	0.0	0	-	-	-	-	0.1	1	0.0	0
33'	-	-	0.0	0	-	-	-	-	-	-	0.0	0
36'	-	-	0.0	0	-	-	-	-	-	-	-	-

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.7	95	6.9	97	7.0	97	6.7	93	6.8	94	7.1	100
3'	7.0	100	6.9	97	7.1	98	6.7	93	6.8	96	6.9	95
6'	6.9	96	6.8	94	6.6	90	5.5	75	6.4	87	6.2	85
9'	6.6	87	6.8	91	-	-	-	-	6.3	85	6.3	84
12'	6.0	80	5.4	72	-	-	-	-	5.7	76	5.3	70
15'	5.2	68	4.4	57	-	-	-	-	4.7	62	-	-
18'	2.6	34	3.3	43	-	-	-	-	2.7	36	-	-
21'	2.0	26	1.4	17	-	-	-	-	1.4	17	-	-
24'	1.2	14	0.8	9	-	-	-	-	1.1	13	-	-
27'	0.1	1	0.2	2	-	-	-	-	-	-	-	-

Transect	D						DA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.3	82	6.4	92	6.3	83	6.5	95	6.9	98	7.0	100
3'	6.3	82	6.4	92	6.4	84	6.5	96	6.8	97	6.9	97
6'	4.3	60	5.4	73	6.3	87	5.0	70	5.7	78	5.3	73
9'	-	-	4.8	63	5.6	74	3.6	47	4.6	61	5.3	70
12'	-	-	4.0	53	4.1	54	-	-	2.9	38	3.8	50
15'	-	-	2.4	30	3.7	49	-	-	-	-	1.8	22
18'	-	-	1.7	20	2.4	30	-	-	-	-	-	-

Transect	E											
Station	3		2		1		F		G		H	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.5	84	5.9	89	6.1	93	6.8	95	7.0	93	7.1	95
3'	5.5	85	5.9	89	6.0	91	7.0	96	6.9	88	6.9	93
6'	5.5	85	5.6	80	6.0	87	7.1	93	6.6	82	-	-
9'	5.5	85	4.8	64	5.0	66	5.9	74	-		-	-
12'	5.5	85	3.4	45	4.0	52						

Station	I		K	
	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.9	71	6.2	83
3'	6.3	76	6.1	80
6'	6.4	77	-	-
9'	-	-	-	-

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

August 18, 1975

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %
5	6.5	96	6.5	96	5.4	75	4.4	60		
6	6.4	94	6.0	90	5.3	73	4.5	60	4.1	54
7	6.2	92	6.0	90	5.4	74	5.1	67	4.3	55
14	5.6	87	5.5	83	4.7	67				
15	5.7	89	5.7	85	5.3	72				
16	5.9	89	5.9	89	5.6	80	4.8	64	3.4	45
17	5.8	89	5.8	90	5.9	85	4.7	63	3.3	42
18	5.8	89	5.8	90	5.6	80	4.6	62	2.0	25
24	6.2	95								
25	5.9	91								
26	6.0	93	6.0	91	5.5	80	5.2	70	4.5	59
27	6.1	93	6.0	91	6.0	87	5.0	66	4.0	52
28	6.1	92	6.1	94	5.8	85				
32	6.2	94								
33	6.2	94	6.3	94	6.4	94	5.8	75		
34	6.4	97	6.4	95	6.2	90	5.5	73		
Lower Big Beaverdam Creek	7.3	103	7.3	104	6.2	85	5.3	70		
Middle Big Beaverdam Creek	6.9	95	6.5	80						

September 9, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.3	97	7.3	98	7.3	97	7.3	97	7.5	100	7.0	93
3'	7.3	97	7.3	97	7.3	97	7.2	95	7.3	97	7.0	93
6'	7.2	96	7.2	96	7.2	96	6.7	88	7.0	94	7.0	93
9'	6.4	83	6.4	83	6.8	90	6.4	84	6.7	89	6.8	90
12'	6.2	82	6.2	82	6.6	87	5.8	75	6.4	84	5.9	77
15'	5.3	69	6.1	80	6.3	83	5.3	69	6.2	81	5.3	69
18'	5.1	67	4.9	64	-	-	4.3	55	5.5	72	5.2	68
21'	4.3	55	4.3	55	-	-	3.8	50	4.3	57	4.6	59
24'	3.8	50	3.7	47	-	-	1.7	21	2.6	33	3.8	49
27'	3.3	43	2.9	37	-	-	0.5	6	0.5	6	0.9	11
30'	1.6	20	1.6	19	-	-	-	-	0.2	3	0.1	1
33'	0.9	11	1.0	13	-	-	-	-	0.1	2	0.1	1
36'	-	-	0.3	3	-	-	-	-	-	-	-	-
39'	-	-	0.3	3	-	-	-	-	-	-	-	-
42'	-	-	0.2	2	-	-	-	-	-	-	-	-

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.9	92	7.0	94	7.0	93	6.9	95	7.0	95	7.0	95
3'	6.9	92	7.0	94	7.0	93	6.9	95	6.9	93	6.9	93
6'	6.8	90	6.9	91	6.8	91	6.9	93	6.8	90	6.9	93
9'	6.0	79	6.1	80	-	-	6.2	83	6.3	83	6.8	90
12'	5.0	67	5.0	67	-	-	5.5	73	6.1	80	6.1	80
15'	4.9	64	4.8	63	-	-	4.8	63	4.1	53	-	-
18'	4.4	58	-	-	-	-	1.9	24	2.1	27	-	-
21'	3.3	43	-	-	-	-	-	-	0.7	8	-	-
24'	0.4	4	-	-	-	-	-	-	0.5	5	-	-
27'	0.1	1	-	-	-	-	-	-	-	-	-	-

Transect	D						DA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.4	90	6.4	91	6.6	93	6.7	97	6.9	97	7.2	100
3'	6.4	89	6.5	92	6.6	93	6.7	96	6.8	96	6.9	96
6'	5.3	72	6.0	80	6.3	85	5.1	70	6.0	82	5.4	71
9'	-	-	5.1	67	5.6	75	3.3	44	3.8	50	3.7	49
12'	-	-	4.2	54	4.3	57	3.1	40	3.8	49	2.9	37
15'	-	-	2.1	-	3.7	49	-	-	-	-	-	-
18'	-	-	-	-	2.6	33	-	-	-	-	-	-

Transect		E						F		G		H	
Station		3		2		1							
		D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth	0'	5.6	86	5.8	88	6.3	94	7.3	103	7.7	102	7.4	97
	3'	5.6	87	6.1	89	6.7	98	7.3	101	5.0	63	7.0	93
	6'	5.6	87	5.8	83	6.1	83	5.2	64	5.2	62	-	-
	9'	-	-	-	-	4.8	59	4.9	59	4.7	55	-	-
	12'	-	-	-	-	4.6	57	-	-	-	-	-	-

Station		I		K	
		D.O.	% Sat.	D.O.	% Sat.
Depth	0'	8.7	102	6.6	85
	3'	6.6	77	6.5	85
	6'	6.8	79	6.2	80
	9'	6.9	80	-	-

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

September 9, 1975

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %
5	6.8	98	6.4	93	4.9	63	3.8	50		
6	6.5	95	6.2	90	5.7	76	3.9	50	3.9	49
7	6.4	94	6.4	95	5.3	70	3.1	39	3.9	49
14	5.7	86	5.8	86	5.8	83				
15	5.8	88	5.9	90	5.5	74				
16	5.8	88	6.1	90	5.8	83				
17	6.5	97	6.4	95	5.5	74	4.8	60	4.7	59
18	6.5	97	6.5	96	5.0	66	4.4	56	4.4	55
24	6.5	97								
25	6.1	92								
26	6.3	94	6.4	95	6.3	90	4.7	55	4.5	56
27	6.3	94	6.7	99	6.1	82	4.8	60	4.6	57
28	6.5	97	6.5	95	4.1	55				
32	6.9	101								
33	6.9	101	6.6	96	6.7	95	5.2	64		
34	7.0	102	6.4	93	6.6	90	4.4	54		
:r Big Beaverdam ɜk	7.5	103	7.1	97	5.8	77	5.2	68		
le Big Beaverdam ɜk	6.5	85	6.2	71						
r Big Beaverdam k	8.8	101								

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
September 25, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.1	74	5.7	68	5.4	64	6.2	75	6.3	77	6.5	80
3'	5.8	70	5.7	68	5.4	65	6.0	73	6.2	75	6.4	78
6'	5.7	68	5.9	72	5.4	65	5.9	72	6.0	73	6.3	77
9'	5.8	70	5.8	70	5.5	67	5.3	65	5.3	65	6.2	76
12'	5.7	68	5.8	70	5.5	67	5.1	63	5.1	63	6.1	74
15'	5.7	68	5.8	70	--	--	5.1	63	5.1	63	5.5	67
18'	5.7	68	5.8	70	--	--	5.2	63	5.2	64	5.2	63
21'	5.6	67	5.8	70	--	--	5.4	65	5.3	65	5.1	67
24'	--	--	5.8	70	--	--	5.4	65	5.2	64	5.2	68
27'	--	--	5.8	70	--	--	1.8	21	5.1	62	4.8	63
30'	--	--	--	--	--	--	0	0	2.7	32	1.7	19
33'	--	--	--	--	--	--	--	--	1.2	14	1.1	12

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.4	80	6.5	82	6.6	82	6.6	84	6.3	81	6.6	83
3'	6.3	80	6.3	79	6.5	81	6.7	86	6.6	84	6.3	79
6'	6.2	77	5.9	75	6.5	81	5.5	68	6.1	75	5.8	71
9'	5.2	63	5.5	67	--	--	5.3	65	5.6	67	5.6	68
12'	4.8	58	5.6	69	--	--	5.2	63	5.5	67	5.5	67
15'	4.6	55	5.7	70	--	--	--	--	5.5	67	5.5	67
18'	4.5	54	5.7	70	--	--	--	--	5.5	67	--	--
21'	4.5	54	5.4	65	--	--	--	--	5.4	66	--	--
24'	4.3	52	5.3	63	--	--	--	--	5.5	67	--	--
27'	4.1	50	5.4	65	--	--	--	--	--	--	--	--

Transect	D						DA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.7	73	6.4	83	6.4	83	6.5	86	6.4	83	7.0	87
3'	5.8	74	6.4	83	6.3	82	6.0	78	6.2	78	6.9	87
6'	4.5	56	5.7	70	5.6	68	5.3	65	5.4	66	5.8	70
9'	--	--	4.8	58	5.4	66	3.0	35	4.0	49	4.1	49
12'	--	--	4.5	54	5.3	64	--	--	3.8	45	4.1	49
15'	--	--	3.1	37	3.8	46	--	--	3.6	42	4.0	48
18'	--	--	3.1	37	3.3	40	--	--	--	--	3.8	45
21'	--	--	2.7	32	3.1	37	--	--	--	--	2.1	25

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.0	84	5.7	77	6.3	83	4.6	53	5.0	56	7.1	86
3'	6.0	84	5.4	72	5.5	74	4.6	53	4.9	55	7.0	85
6'	5.9	83	4.4	53	4.3	52	4.4	50	4.8	54	6.9	84
9'	6.0	84	3.9	46	4.2	49	4.4	50	4.6	52	--	--
12'	6.0	84	--	--	4.2	49	--	--	4.6	52	--	--
15'	5.9	83	--	--								

Station	I		K	
	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.3	59	6.5	77
3'	5.3	59	6.5	77
6'	5.3	59	6.4	76
9'	5.3	59	6.4	76

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

September 25, 197

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %
5	6.3	84	6.3	85	4.5	54	4.3	52	3.7	43
6	6.5	86	5.4	66	4.4	54	4.2	49	4.1	49
7	6.1	83	4.9	64						
14	5.8	78	5.4	71	2.9	35				
15	5.4	72	5.0	66	3.4	42	3.1	37		
16	5.7	77	5.4	72	4.4	54	3.9	46		
17	5.6	75	5.5	75	4.1	50	3.9	47	3.8	45
18	5.9	80	5.9	80	4.2	50	3.8	46		
24	6.2	86								
25	5.8	80	5.8	80						
26	6.2	85	5.9	80	4.6	55	4.3	50	4.3	50
27	6.3	85	5.5	74	4.3	51	4.2	50	4.2	50
28	6.2	84	6.1	81	4.2	52	4.1	50		
32	5.2	67								
33	6.5	87	6.0	79	4.6	54	4.5	53	4.4	52
34	6.8	91	6.5	89	5.0	60	4.4	52		
Lower Big Beaver-dam Creek	6.4	79	5.4	67	5.7	70	3.3	40	4.3	52
Middle Big Beaver-dam Creek	7.0	86	5.9	72						

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	%Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.4	90	7.5	94	7.0	87	7.4	93	7.4	93	7.4	93
3'	7.4	90	7.4	93	7.1	88	7.4	93	7.4	93	7.3	90
6'	7.3	90	7.3	90	6.9	84	7.2	88	7.2	88	7.2	87
9'	7.3	88	7.1	87	6.9	84	7.1	86	7.1	86	7.1	86
12'	7.2	87	7.1	86	7.1	86	7.0	85	6.9	83	6.9	84
15'	7.0	85	4.6	54	--	--	7.0	84	6.9	83	6.8	83
18'	4.8	57	3.3	37	--	--	4.9	57	5.2	62	5.4	64
21'	--	--	3.2	37	--	--	4.1	47	4.2	49	4.1	48
24'	--	--	3.1	35	--	--	2.2	25	2.8	32	2.6	29
27'	--	--	1.7	18	--	--	2.0	22	2.1	23	1.3	14
30'	--	--	1.0	10	--	--	--	--	1.2	13	0.8	8
33'	--	--	0.9	9	--	--	--	--	0.8	8	0.3	2

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	7.5	95	7.3	93	7.5	96	7.6	98	7.5	98	7.3	95
3'	7.6	96	7.5	95	7.5	96	7.2	92	7.4	94	7.3	92
6'	7.1	88	7.1	88	7.4	93	7.0	87	7.3	90	6.8	83
9'	6.8	83	6.4	78	--	--	6.5	79	6.7	81	6.6	80
12'	5.9	70	5.4	65	--	--	6.2	78	6.1	73	6.4	77
15'	4.9	58	5.1	60	--	--	4.6	54	5.4	64	--	--
18'	4.3	50	4.3	50	--	--	--	--	3.7	43	--	--
21'	4.0	46	3.9	45	--	--	--	--	3.3	37	--	--
24'	2.8	32	2.1	18	--	--	--	--	--	--	--	--
27'	2.6	29	1.5	16	--	--	--	--	--	--	--	--

Transect	D						DA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Deptn 0'	7.1	93	7.1	93	7.3	96	6.7	89	6.9	90	7.3	96
3'	7.3	94	7.3	94	7.2	94	6.8	86	7.5	94	7.4	94
6'	6.9	86	6.8	84	6.8	83	6.8	85	6.8	84	7.0	87
9'	--	--	5.7	69	5.9	72	6.5	80	4.8	55	5.6	67
12'	--	--	4.8	57	5.4	64	5.1	60	4.4	51	5.0	57
15'	--	--	4.1	48	4.9	57	4.8	56	--	--	3.5	39
18'	--	--	--	--	--	--	--	--	--	--	--	--
21'	--	--	--	--	--	--	--	--	--	--	--	--

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	5.9	83	6.3	85	6.1	85	7.0	91	5.3	61	6.1	73
3'	5.9	83	6.2	85	6.1	85	7.3	87	4.9	53	6.0	72
6'	5.9	83	6.4	85	6.5	85	5.7	63	5.0	54	5.9	71
9'	5.8	83	--	--	4.9	56	--	--	--	--	--	--
12'	5.8	83	--	--	4.7	54	--	--	--	--	--	--
15'	5.8	83	--	--	--	--	--	--	--	--	--	--

Station	I		K	
	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	6.8	71	6.0	70
3'	6.8	71	5.8	68
6'	6.9	72	5.9	70
9'	7.0	73	5.8	68

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

October 13, 1975

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %
5	6.9	93	6.7	88	6.5	79	4.6	54		
6	6.6	89	6.5	86	6.3	78	4.6	53	4.6	53
7	6.7	90	6.4	85	6.0	75	5.5	65	4.6	53
14	6.2	86	6.8	94	5.9	80				
15	6.5	89	6.2	85	6.0	75				
16	6.3	85	6.2	85	6.4	85				
17	6.3	85	6.2	85	6.0	74	5.2	60	5.0	57
18	6.5	90	6.3	87	5.7	71	4.9	56	4.6	53
24	6.1	85								
25	6.3	89	6.2	87						
26	6.2	87	6.8	90	6.1	77	5.0	60		
27	6.1	85	6.1	85	6.5	85	4.9	56	4.7	54
28	5.9	81	5.9	81	5.3	71				
32	6.8	91								
33	6.5	90	6.4	86	6.5	87	5.3	61	5.4	61
34	6.4	89	6.4	89	5.9	74	5.1	60		
Lower Big Beaverdam Creek	7.4	98	7.6	100	6.9	85	6.7	78	6.8	80
Middle Big Beaverdam Creek	7.3	94	5.7	64						
Upper Big Beaverdam Creek	7.6	86								

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
October 28, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
Depth	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
0'	7.9	93	7.7	91	7.9	93	8.0	95	8.0	95	8.1	96
3'	7.8	92	7.0	83	7.9	93	7.9	94	7.9	94	7.9	88
6'	7.7	91	7.5	88	7.7	91	7.7	92	7.5	88	7.7	92
9'	7.7	91	7.6	89	7.7	91	7.6	91	7.5	88	7.6	89
12'	7.7	91	7.4	87	7.7	91	7.5	88	7.5	88	7.6	89
15'	7.7	91	7.7	91	7.7	91	7.4	87	7.5	88	7.6	89
18'	7.6	89	7.7	91	7.6	90	7.5	88	7.4	87	7.4	87
21'	7.6	89	7.7	91	-	-	7.4	87	7.4	87	7.1	83
24'	-	-	7.4	87	-	-	6.7	78	6.4	75	6.6	77
27'	-	-	7.7	91	-	-	6.3	74	6.1	70	6.1	70
30'	-	-	7.2	85	-	-	5.3	62	4.2	49	4.7	54
33'	-	-	7.2	85	-	-	-	-	-	-	3.4	39
36'	-	-	6.7	78	-	-	-	-	-	-	1.0	11

Transect	C						CA					
Station	3		2		1		3		2		1	
Depth	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
0'	7.9	93	7.1	84	8.0	95	7.9	97	7.3	87	7.4	88
3'	7.9	93	7.9	94	7.9	93	7.8	95	7.3	87	7.6	90
6'	7.6	90	7.7	92	7.6	88	7.5	92	6.9	82	7.3	86
9'	7.6	90	7.6	90	-	-	7.7	92	6.9	81	6.9	80
12'	7.5	89	7.4	87	-	-	-	-	6.3	73	6.9	80
15'	6.9	81	7.4	87	-	-	-	-	5.0	58	7.0	82
18'	6.2	73	6.4	75	-	-	-	-	3.9	45	-	-
21'	4.2	48	3.2	36	-	-	-	-	3.9	43	-	-
24'	3.5	39	3.1	35	-	-	-	-	-	-	-	-
27'	3.5	39	3.1	35	-	-	-	-	-	-	-	-

Transect	D						DA					
Station	3		2		1		3		2		1	
Depth	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
0'	7.9	99	7.9	99	7.9	99	7.6	97	8.0	98	8.1	98
3'	7.7	95	7.7	95	7.8	97	7.3	89	7.9	96	8.0	97
6'	6.8	80	7.3	87	7.3	87	5.3	63	6.5	77	6.7	78
9'	-	-	6.6	77	6.1	71	5.8	67	5.4	62	6.5	76
12'	-	-	4.9	56	5.4	63	-	-	5.8	64	5.8	64
15'	-	-	3.9	43	5.1	57	-	-	5.4	59	4.9	53
18'	-	-	-	-	4.9	54	-	-	-	-	-	-

Transect		E						F		G	
Station		3		2		1					
		D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth	0'	7.9	109	7.7	105	8.0	110	8.1	100	7.4	81
	3'	7.9	110	7.7	103	8.1	109	8.1	97	7.3	78
	6'	7.8	108	6.9	84	7.1	86	6.6	72	7.0	75
	9'	7.8	108	6.8	77	6.8	76	6.5	70	-	-
	12'	7.7	107	6.1	68	6.6	73	-	-	-	-
	15'	-	-	5.4	60	-	-	-	-	-	-

Transect		H		K	
Station					
		D.O.	% Sat.	D.O.	% Sat.
Depth	0'	7.9	93	7.5	88
	3'	7.7	90	7.5	88
	6'	-	-	7.7	90

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION October 28, 1975

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %	15' D.O.	15' %
5	7.1	92	7.3	94	5.6	66	5.0	57				
6	7.5	96	7.4	95	7.7	93	7.5	85				
7	7.1	94	7.1	90	6.4	76	6.3	73	5.7	65		
14	7.8	105	7.7	104								
15	7.3	99	7.1	95	6.7	80						
16	7.7	105	7.7	103	6.9	84	6.8	77	6.1	68	5.4	60
17	8.1	107	7.9	105	6.8	81	6.6	74	3.9	43		
18	8.1	108	8.0	105	7.0	86	6.2	69				
24	8.1	110										
25	8.1	110										
26	8.1	110	7.9	101	7.0	85	6.4	70	6.2	68		
27	8.0	110	8.1	109	7.1	86	6.8	76	6.6	73		
28	8.2	111	8.1	109	5.8	67						
32	8.2	108										
33	8.2	110	8.1	108	7.9	100	6.7	75				
34	8.2	110	8.1	107	7.7	97	6.4	71				
Lower Big Beaverdam Creek	8.1	97	8.0	95	7.5	89	6.7	79				
Middle Big Beaverdam Creek	7.6	83	7.3	75								
Upper Big Beaverdam Creek	8.7	90										

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.4	94	8.4	94	8.4	94	8.5	96	8.4	94	8.5	96
3'	8.4	94	8.3	93	8.5	96	8.5	96	8.6	97	8.5	96
6'	8.3	93	8.3	93	8.5	96	8.4	94	8.7	97	8.5	96
9'	8.2	92	8.2	92	8.4	94	8.6	96	8.5	96	8.5	96
12'	8.1	91	8.2	92	8.4	94	8.5	95	8.4	94	8.5	96
15'	7.8	87	8.2	92	--	--	8.0	89	8.4	94	8.5	96
18'	7.6	84	8.1	91	--	--	7.2	80	8.3	93	8.5	96
21'	--	--	7.9	88	--	--	7.4	82	7.9	81	8.2	92
24'	--	--	7.3	81	--	--	7.2	79	7.3	81	7.7	87
27'	--	--	5.9	65	--	--	4.8	53	6.6	73	6.1	67
30'	--	--	4.7	52	--	--	3.0	32	3.7	40	3.6	39
33'	--	--	1.7	18	--	--	2.7	28	3.4	37	2.7	29
36'	--	--	1.7	18	--	--	--	--	--	--	--	--

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.5	97	8.6	97	8.6	97	8.3	94	8.4	95	8.4	95
3'	8.7	97	8.6	97	8.6	97	8.3	94	8.5	96	8.4	95
6'	8.5	96	8.6	97	8.7	98	8.3	94	8.4	94	8.4	95
9'	8.4	94	8.7	98	--	--	7.6	86	8.4	94	8.4	95
12'	8.4	94	8.6	97	--	--	6.5	72	8.3	93	8.4	95
15'	8.4	94	8.5	96	--	--	5.8	64	8.3	93	8.5	96
18'	6.3	70	5.5	60	--	--	--	--	5.6	62	4.9	54
21'	5.8	63	4.4	48	--	--	--	--	5.3	58	4.4	48
24'	5.0	55	4.0	43	--	--	--	--	5.1	56	--	--
27'	--	--	3.4	37	--	--	--	--	--	--	--	--

Transect	D						DA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.4	96	8.1	92	8.1	92	8.0	92	8.4	96	8.3	94
3'	8.4	96	8.0	91	8.3	94	8.1	93	8.3	95	8.3	94
6'	8.5	97	8.0	91	8.1	92	7.8	88	8.0	92	8.1	92
9'	7.7	86	8.0	91	8.1	92	6.5	72	8.0	91	8.3	94
12'	--	--	--	--	8.0	90	6.4	69	6.3	68	7.9	89
15'	--	--	--	--	5.4	63	1.5	16	4.4	48	3.6	36
18'	--	--	--	--	4.8	53	--	--	--	--	--	--

Transect				E				F		G		H	
Station		3		2		1							
		D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth	0'	8.1	95	8.1	92	8.3	96	8.0	89	6.4	68	6.1	67
	3'	8.0	94	7.8	90	8.2	95	7.9	85	6.4	68	6.3	69
	6'	7.9	93	7.5	85	8.2	95	5.8	62	6.5	68	5.7	63
	9'	7.9	93	6.3	68	6.7	73	--	--	--	--	--	--
	12'	7.9	93	--	--	6.4	70	--	--	--	--	--	--
	15'	7.9	93	--	--	--	--	--	--	--	--	--	--

Station		I		K	
		D.O.	% Sat.	D.O.	% Sat.
Depth	0'	7.6	81	5.8	64
	3'	7.9	83	6.1	67
	6'	7.9	83	6.1	67
	9'	7.9	83	--	--

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

November 12, 1975

Sampling Station	Surface DO	Surface %	3' DO	3' %	6' DO	6' %	9' DO	9' %	12' DO	12' %	15' DO	15' %
5	8.1	94	8.1	93	7.7	87	5.8	65				
6	8.1	94	8.1	94	8.0	93	6.1	67	5.9	65		
7	7.9	91	7.9	91	7.9	91	6.6	73	6.2	68	5.6	61
14	8.0	95	7.9	93	7.8	90						
15	8.1	94	8.0	93	8.0	93	7.8	90				
16	8.1	95	7.8	90	7.5	85	6.3	70				
17	8.3	96	8.2	95	8.1	94	6.6	73	4.7	51		
18	8.3	96	8.2	95	8.2	95	8.1	94	5.9	65		
*25	8.3	98										
26	8.3	96	8.2	95	8.1	94	6.9	76	6.6	73		
27	8.3	96	8.2	95	8.2	95	6.7	74	6.4	70		
28	8.3	96	8.3	96	8.2	95						
32	8.6	100										
33	8.4	96	8.4	96	8.3	95	6.4	69				
34	8.4	96	8.3	96	8.3	96	6.3	70				
Lower Big Beaverdam Creek	8.3	95	8.3	95	8.3	94	8.2	94	7.7	85		
Middle Big Beaverdam Creek	8.5	92	8.5	86								
Upper Big Beaverdam Creek	8.7	94	8.6	93								

*Station 24 not taken, too shallow.

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
December 9, 1975

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.6	78	8.2	75	8.3	76	8.8	80	9.5	87	8.5	77
3'	8.5	77	8.2	75	8.6	78	8.8	80	9.4	87	8.4	77
6'	8.4	77	8.1	74	8.6	78	8.8	80	9.4	87	8.2	75
9'	8.3	77	8.0	73	8.3	77	8.6	78	9.4	87	8.2	75
12'	8.3	77	8.0	73	8.5	78	8.5	77	9.4	87	8.0	73
15'	8.4	77	8.0	73	-	-	8.5	77	9.4	87	8.0	73
18'	8.3	77	8.0	73	-	-	8.8	80	9.4	87	8.0	73
21'	8.3	77	7.9	73	-	-	8.3	77	9.2	84	8.0	73
24'	8.3	77	7.9	73	-	-	8.6	78	9.5	88	8.1	74
27'	8.3	77	7.9	73	-	-	8.7	79	9.0	82	8.1	74
30'	8.3	77	9.7	88	-	-	8.7	79	9.1	83	8.0	73
33'	8.2	76	9.5	87	-	-	-	-	-	-	8.0	73
36'	8.2	76	9.5	87	-	-	-	-	-	-	-	-
39'	8.2	76	-	-	-	-	-	-	-	-	-	-

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.6	88	8.7	80	8.4	77	9.0	83	9.1	84	9.1	84
3'	9.6	88	8.8	80	8.6	78	9.0	83	9.0	83	9.1	84
6'	9.3	85	8.7	80	-	-	9.1	84	8.8	81	8.9	82
9'	9.3	85	8.7	80	-	-	8.8	81	8.8	81	8.9	82
12'	9.1	83	8.6	78	-	-	-	-	8.8	81	8.8	81
15'	9.1	83	8.6	78	-	-	-	-	8.8	81	8.8	81
18'	9.2	84	8.6	78	-	-	-	-	8.7	80	8.8	81
21'	9.2	84	8.5	77	-	-	-	-	8.7	80	-	-
24'	9.2	84	8.6	78	-	-	-	-	8.7	80	-	-
27'	=	-	8.6	78	-	-	-	-	-	-	-	-

Transect	D						DA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.0	84	9.2	85	9.1	84	9.5	88	9.3	85	8.8	81
3'	8.9	82	9.2	85	9.0	83	9.3	86	9.2	84	8.8	81
6'	8.6	79	9.0	83	8.8	81	9.2	85	9.0	83	8.5	77
9'	-	-	9.0	83	8.9	82	9.1	84	8.9	82	8.5	77
12'	-	-	-	-	8.7	80	-	-	8.8	81	8.5	77
15'	-	-	-	-	8.7	80	-	-	-	-	8.4	76

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.6	89	9.1	87	9.6	88	9.5	82	9.5	81	10.8	99
3'	9.5	88	9.0	85	9.5	87	9.4	82	9.5	81	10.8	99
6'	9.3	83	8.8	80	9.3	83	9.2	79	9.2	78	10.7	98
9'	9.2	82	-	-	9.1	80	9.2	79	9.1	78	-	-
12'	9.2	81	-	-	9.2	81	-	-	-	-	-	-

Station	K	
	D.O.	% Sat.
Depth 0'	9.7	88
3'	9.8	88
6'	9.6	87

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

December 9, 1975

Sampling Station	Surface DO	Surface %Sat	3' DO	3' %Sat	6' DO	6' %Sat	9' DO	9' %Sat	12' DO	12' %S
5	9.3	86	9.4	88	9.3	86	9.5	89		
6	9.5	89	9.4	88	9.3	86	9.1	82		
7	9.4	88	9.2	86	9.0	84	8.7	88	8.9	7
14	9.4	90	9.5	92	9.0	84				
15	9.3	88	9.2	87	8.8	80				
16	9.1	87	9.0	85	8.8	78				
17	9.3	88	9.3	87	8.9	80	8.7	78	8.9	7
18	9.4	87	9.4	87	9.0	82	8.8	79		
24	9.7	88								
25	9.6	87								
26	9.6	89	9.5	88	9.3	83	9.2	83	9.2	8
27	9.6	89	9.5	88	9.3	83	9.1	82	9.2	8
28	9.7	90	9.4	87	8.8	80	8.4	74		
32	9.5	88								
33	9.5	87	9.3	85	9.1	82	9.0	80		
34	9.5	87	9.4	86	9.2	83	9.1	80		
Lower Big Beaverdam Creek	9.6	83	9.6	88	9.5	87	8.8	80		
Middle Big Beaverdam Creek	8.4	77	8.2	74						
Upper Big Beaverdam Creek	9.3	85	9.1	83						

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION

January 6, 1976

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	%Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	10.4	94	10.0	90	10.6	94	11.2	102	11.2	103	10.8	99
3'	10.4	93	10.0	90	10.4	92	11.7	107	11.2	104	10.8	100
6'	10.3	93	10.0	90	9.8	90	10.8	99	11.3	104	10.6	98
9'	10.2	93	10.0	90	9.8	87	11.0	101	11.6	108	10.7	100
12'	10.2	93	10.4	94	9.9	87	10.8	99	11.6	108	10.6	97
15'	10.3	94	10.4	94	9.9	87	11.2	104	11.6	108	10.6	97
18'	10.3	94	10.6	96	-	-	10.8	99	11.5	107	10.6	97
21'	-	-	12.6	113	-	-	11.2	103	11.6	108	10.6	97
24'	-	-	12.8	115	-	-	10.8	99	11.4	106	10.4	96
27'	-	-	12.4	112	-	-	11.2	103	11.6	107	10.4	96
30'	-	-	12.3	111	-	-	11.0	101	11.4	106	10.5	97
33'	-	-	-	-	-	-	-	-	11.0	103	10.6	97

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	10.6	100	10.4	97	10.4	97	10.6	102	10.7	101	10.6	100
3'	10.6	102	10.4	97	10.4	97	10.6	104	10.7	102	11.2	107
6'	10.1	97	10.4	97	10.0	94	10.5	103	10.4	99	10.4	98
9'	10.4	100	10.6	99	-	-	10.6	104	10.6	102	10.4	98
12'	10.2	97	10.5	98	-	-	-	-	10.4	98	10.4	98
15'	10.2	97	10.6	100	-	-	-	-	10.6	101	10.4	98
18'	10.2	97	10.6	100	-	-	-	-	10.2	97	-	-
21'	10.2	98	10.6	100	-	-	-	-	10.2	97	-	-
24'	10.2	97	10.6	100	-	-	-	-	-	-	-	-
27'	-	-	10.5	99	-	-	-	-	-	-	-	-

Transect	D						DA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	10.5	104	10.4	103	9.9	92	10.7	107	10.4	97	10.4	98
3'	10.5	105	10.3	102	9.9	93	10.7	109	10.4	101	10.4	100
6'	10.2	100	10.2	97	9.8	93	10.4	99	10.0	97	10.2	97
9'	-	-	10.4	98	10.0	95	10.6	98	10.0	97	10.3	98
12'	-	-	10.0	95	10.2	97	-	-	10.1	93	10.3	93
15'	-	-	-	-	9.7	91	-	-	10.1	93	10.4	94
18'	-	-	-	-	9.9	92	-	-	-	-	-	-
21'	-	-	-	-	9.6	88	-	-	-	-	-	-

Transect	E									
Station	3		2		3		F		G	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	10.5	115	10.0	108	10.5	114	12.0	97	12.3	97
3'	10.4	115	10.0	106	10.3	107	12.0	98	12.3	96
6'	10.1	112	9.9	102	10.1	104	12.0	97	12.2	95
9'	-	-	10.2	95	10.5	94	12.0	97	12.2	95
12'	-	-	-	-	10.5	93	-	-	-	

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

January 6, 1976

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %
5	10.4	107	10.4	108	9.7	90	10.0	90		
6	10.5	107	10.4	106	10.0	97	9.8	88	9.9	88
7	10.2	105	9.9	101	9.7	87	9.8	86	10.1	88
14	10.6	115	10.6	116	10.4	115				
15	10.6	114	9.8	105	9.9	97				
16	10.0	108	10.0	105	9.9	101	10.2	93		
17	10.4	114	10.4	115	10.0	104	10.2	91	10.2	91
18	10.1	103	10.1	107	9.8	100	10.1	92	10.4	94
24	10.4	112								
25	10.4	112	10.4	114						
26	10.2	105	10.2	106	10.2	101	10.4	93	10.4	93
27	10.5	114	10.3	109	10.1	105	10.5	95	10.5	93
28	10.4	112	10.4	112	10.2	107	10.4	95		
32	11.0	118	10.9	116	10.4	105	10.4	95		
33	10.3	108	10.2	107	10.0	88	10.4	92		
34	10.6	114								
Lower Big Beaverdam Creek	10.6	98	10.6	100	10.4	97	10.4	95	10.2	90
Middle Big Beaverdam Creek	11.4	96	11.4	96						
Upper Big Beaverdam Creek	10.4	90								

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
February 17, 1976

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	%Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.4	95	9.4	96	9.3	94	9.4	97	9.3	94	9.4	97
3'	9.4	94	9.5	95	9.3	94	9.4	97	9.4	95	9.3	94
6'	9.5	95	9.8	98	9.3	94	9.4	96	9.8	99	9.4	96
9'	9.5	95	9.6	97	9.3	94	9.4	96	9.7	98	9.4	96
12'	9.6	96	9.8	97	9.3	90	9.3	93	9.8	98	9.4	96
15'	8.9	92	9.8	98	9.3	90	9.5	96	9.7	98	9.3	94
18'	8.8	85	9.9	99	-	-	9.3	93	9.6	97	9.2	93
21'	-	-	9.0	87	-	-	9.3	93	9.6	96	9.2	94
24'	-	-	9.1	88	-	-	9.5	95	9.1	88	9.2	92
27'	-	-	9.2	88	-	-	9.3	91	9.0	87	9.0	87
30'	-	-	9.2	88	-	-	-	-	8.8	84	8.6	83
33'	-	-	9.0	86	-	-	-	-	8.7	84	8.4	80

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.1	95	9.2	96	9.4	98	9.1	97	8.8	95	9.1	98
3'	9.2	95	9.2	95	9.4	97	9.5	102	8.9	95	9.1	98
6'	9.3	97	9.6	99	9.5	98	9.4	100	9.0	97	9.1	98
9'	9.3	97	9.6	99	-	-	9.1	94	9.0	95	9.2	98
12'	9.3	97	9.9	102	-	-	9.3	95	9.2	96	9.1	97
15'	9.3	94	9.8	100	-	-	9.3	94	9.0	92	9.0	92
18'	9.3	94	9.3	93	-	-	9.0	90	9.2	93	-	-
21'	9.2	93	9.6	93	-	-	-	-	9.0	88	-	-
24'	8.3	80	9.4	90	-	-	-	-	8.6	84	-	-
27'	-	-	9.1	88	-	-	-	-	-	-	-	-

Transect	D						DA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Deptn 0'	8.8	97	8.9	98	8.8	97	8.9	100	8.8	97	8.8	97
3'	8.9	98	9.0	101	8.8	97	8.8	97	8.8	98	8.9	97
6'	9.1	100	8.9	97	9.0	99	8.9	99	8.8	98	8.9	97
9'	9.1	99	-	-	9.0	99	8.8	95	8.8	98	8.9	97
12'	-	-	-	-	8.9	98	-	-	8.9	90	8.7	88
15'	-	-	-	-	8.7	94	-	-	8.8	87	8.7	85
18'	-	-	-	-	8.8	88	-	-	-	-	-	-

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.1	107	9.3	107	9.3	107	9.5	100	10.6	103	9.6	97
3'	9.1	107	9.3	107	9.3	107	9.4	98	10.5	102	9.6	95
6'	9.1	107	9.3	106	9.3	107	9.6	94	10.4	101	9.6	95
9'	-	-	9.2	98	9.2	93	9.4	91	-	-		
12'	-	-	9.4	95	-	-	-	-	-	-		

Transect	I		K	
Station				
	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.2	90	9.9	100
3'	9.3	91	9.6	97
6'	9.4	93	9.4	96
9'	9.3	90	-	-

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

February 17, 1976

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %
5	8.8	98	8.7	97	8.7	96	8.7	93		
6	8.8	99	8.8	98	8.5	96	8.8	89		
7	8.6	98	8.8	101	8.9	101	8.8	95	8.9	90
14	8.9	105	8.9	105	8.7	103				
15	9.4	107	9.4	107	9.3	107				
16	9.3	107	9.3	107	9.3	107	9.2	98	9.4	96
17	9.4	107	9.4	107	9.3	107	9.3	97		
18	9.3	107	9.3	107	9.2	106	9.2	106		
24	9.6	110								
25	9.5	110								
26	9.2	107	9.3	108	9.1	101	9.4	105		
27	9.3	107	9.3	108	9.3	107	9.2	94		
28	9.4	108	9.3	108						
32	9.2	100								
33	9.3	105	9.2	105	9.0	100	9.4	95		
34	9.3	106	9.3	105	9.2	105	9.5	97		
Lower Big Beaverdam Creek	8.9	99	8.9	99	8.9	99	8.8	97		
Middle Big Beaverdam Creek	8.9	90	9.0	91						
Upper Big Beaverdam Creek	9.2	94								

ROBINSON DISSOLVED OXYGEN AND PERCENT SATURATION
March 30, 1976

Transect	A						B					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	%Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.0	100	8.8	97	8.9	97	9.0	100	9.0	101	9.0	100
3'	9.0	100	8.9	98	8.9	97	9.0	100	9.0	101	9.0	100
6'	8.8	97	8.8	97	8.8	96	8.9	100	9.0	100	9.0	100
9'	8.8	97	8.8	96	8.8	96	8.8	98	8.9	99	8.9	99
12'	8.8	96	8.7	96	8.8	96	8.6	96	8.7	96	8.7	96
15'	8.8	96	8.7	95	--	--	8.6	95	8.8	97	8.7	96
18'	8.7	96	8.6	94	--	--	8.5	94	8.7	95	8.7	96
21'	8.4	91	8.6	93	--	--	8.5	93	8.7	95	8.7	96
24'	--	--	8.6	93	--	--	8.5	93	8.4	90	8.5	92
27'	--	--	8.4	90	--	--	8.2	88	8.2	87	8.3	90
30'	--	--	8.1	86	--	--	7.8	84	7.8	83	8.0	87
33'	--	--	7.9	84	--	--	--	--	7.7	82	7.8	83

Transect	C						CA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	9.0	102	8.9	102	8.9	99	8.8	103	8.8	104	8.8	103
3'	9.0	103	8.9	102	8.8	97	8.7	100	8.8	104	8.7	101
6'	8.9	100	8.9	102	8.9	99	8.8	100	8.8	104	8.8	100
9'	8.8	98	8.8	98	--	--	8.7	98	8.7	98	8.7	98
12'	8.8	98	8.7	97	--	--	8.6	97	8.5	97	8.6	98
15'	8.7	97	8.7	97	--	--	8.4	94	8.4	94	8.4	95
18'	8.3	92	8.8	88	--	--	--	--	8.0	88	--	
21'	7.8	85	7.8	86	--	--	--	--	7.9	87	--	
24'	7.7	83	7.7	83	--	--	--	--	--	--	--	
27'	7.3	78	--	--	--	--	--	--	--	--	--	

Transect	D						DA					
Station	3		2		1		3		2		1	
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.6	105	8.5	104	8.6	105	8.6	103	8.8	106	8.7	105
3'	8.6	105	8.5	104	8.6	105	8.6	103	8.7	105	8.7	105
6'	8.5	98	8.6	102	8.6	102	8.6	102	8.7	105	8.6	103
9'	8.4	97	8.6	99	8.7	101	8.3	96	8.6	99	8.4	97
12'	--	--	8.6	97	8.7	99	--	--	8.1	93	8.1	93
15'	--	--	8.4	96	8.2	93	--	--	7.2	78	6.9	75
18'	--	--	--	--	7.2	78	--	--	--	--	5.8	62

Transect	E						F		G		H	
Station	3		2		1							
	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.8	113	8.7	111	8.7	99	8.8	104	8.9	98	9.1	98
3'	8.8	113	8.6	111	8.7	99	8.8	104	8.6	91	9.1	98
6'	8.7	112	8.5	108	8.6	98	7.8	84	8.1	84	9.0	98
9'	8.7	114	8.1	94	7.8	89	7.8	83	--	--		
12'	--	--	7.8	89	7.8	88	--	--	--	--		

Transect	I		K	
Station				
	D.O.	% Sat.	D.O.	% Sat.
Depth 0'	8.7	91	8.4	90
3'	8.7	91	8.3	88
6'	8.7	90	8.4	90
9'	8.8	91	--	--

ROBINSON DISSOLVED OXYGEN
AND PERCENT SATURATION

March 30, 1976

Sampling Station	Surface D.O.	Surface %	3' D.O.	3' %	6' D.O.	6' %	9' D.O.	9' %	12' D.O.	12' %	15' D.O.	15' %
5	8.6	105	8.6	105	8.6	102	8.0	92				
6	8.6	107	8.6	107	8.3	100	8.3	96	7.5	84	6.6	73
7	8.7	110	8.6	110	8.4	100	8.1	94	7.7	87	6.8	75
14	8.7	112	8.6	109	8.6	104						
15	8.8	115	8.6	111	8.5	106	7.8	90				
16	8.7	111	8.6	111	8.5	108	8.1	94	7.8	89		
17	8.6	110	8.6	110	8.5	108	8.0	92	7.7	87		
18	8.5	110	8.5	109	8.4	106	8.0	92	7.2	80		
24	8.9	115										
25	8.8	114	8.4	105	8.1	100						
26	8.7	116	8.7	116	8.1	100	7.9	91	7.9	88		
27	8.7	99	8.7	99	8.6	98	7.8	89	7.8	88		
28	8.7	110	8.6	110								
32	8.7	107	8.7	107								
33	8.6	106	8.6	106	8.6	106	8.1	100	8.1	100		
34	8.6	107	8.6	107	8.6	107	7.8	89				
Lower Big Beaverdam Creek	8.8	105	8.8	105	8.8	105	8.5	98				
Middle Big Beaverdam Creek	7.6	85	8.7	91								
Upper Big Beaverdam Creek	8.6	95										

Exhibit 3.0 Fisheries

Alternate Analysis of Gill Net and Electrofishing Catch Data

In reviewing the gill net and electrofishing data, Dr. Charles H. Proctor, Professor of Statistics, North Carolina State University suggested alternative analyses may be more appropriate for structured data.

For the gill net data, mean squares from the following analysis of variance in the log transformation of catch per day (to better satisfy the variance heterogeneity assumption) were used in performing appropriate tests of significance.

ANALYSIS OF VARIANCE FOR VARIABLE LOGY (Gill Net Catches) MEAN 1.1855

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
TRAN	3	24.9732	8.3244
STA	1	0.1307	0.1307
TRAN*STA	3	6.5644	2.1881
SEA	5	0.9382	0.1876
TRAN*SEA	15	18.4442	1.2296
STA*SEA	5	4.5034	0.9007
TRAN*STA*SEA	15	9.6470	0.6431
DAY	1	0.6029	0.6029
TRAN*DAY	3	0.3899	0.1300
STA*DAY	1	0.1530	0.1530
TRAN*STA*DAY	3	1.5532	0.5177
SEA*DAY	5	1.8654	0.3731
TRAN*SEA*DAY	15	3.2149	0.2143
STA*SEA*DAY	5	0.3683	0.0737
TRAN*STA*SEA*DAY	15	8.7658	0.5844
CORRECTED TOTAL	95	82.1147	0.8644

CLASSES	VALUES
TRAN	A C E G
STA	1 3
SEA	FAL74 FAL75 SPR75 SUM74 SUM75 WIN75
AY	1 2

The log transformation of electrofishing catches (per hour) were similarly examined. Mean squares from the following table were utilized in performing appropriate tests of significance.

ANALYSIS OF VARIANCE FOR VARIABLE LOGY MEAN 4.1273
(Electrofishing)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MONTH	10	29.6708	2.9670
TRAN	2	18.5030	9.2514
TRAN*MONTH	20	14.6772	0.7338
STA	1	0.0055	0.0055
STA*MONTH	10	3.9085	0.3908
TRAN*STA	2	0.7695	0.3846
TRAN*STA*MONTH	20	5.8999	0.2950
CORRECTED TOTAL	65	73.4342	1.1298

CLASSES	VALUES
TRAN	A E G
STA	1 3
MONTH	APR DEC FEB JAN JUL JUN MAR MAY NOV OCT SEP

Carolina Power & Light Company

H. B. Robinson Steam Electric Plant

316 Demonstration

Volume II

June 30, 1976