

OCEANOGRAPHICAL STATION LIST

**of Investigations made by the Division of Fisheries
and Oceanography, Commonwealth Scientific and
Industrial Research Organization, Australia**

Volume 32

**Estuarine Hydrological Investigations
in Eastern and South-western Australia, 1956**

**COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION, AUSTRALIA
MELBOURNE 1957**

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Compiled by R. S. Spencer

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ESTUARINE HYDROLOGICAL INVESTIGATIONS IN EASTERN AND SOUTH-WESTERN
AUSTRALIA, 1956

Compiled by R. S. SPENCER

I. INTRODUCTION

This volume contains hydrological data collected during 1956 at Lake Macquarie, Hawkesbury River, Shell Point, Port Hacking (New South Wales), D'Entrecasteaux Channel, Pittwater (Tasmania), and Swan River, Peel-Harvey Inlet (south-western Australia).

II. METHODS

Methods of collection and analysis have been previously described by Rochford (1951). However, all chlorinity values recorded for New South Wales data were obtained with a portable chlorinity-temperature meter developed recently by Hamon (1956); in Tasmania and south-western Australia the conventional titrimetric method was retained.

III. TIDAL CORRECTIONS

No attempt has been made to correct the data to a constant tidal phase.

IV. UNITS

These are as given by Rochford (1951). In New South Wales chlorinity values below 16‰ have been recorded to one decimal place, because of the limited accuracy of Hamon's meter in diluted waters.

All depths are given in metres unless otherwise stated. At Lake Macquarie and Port Hacking (New South Wales) the deep samples were collected 1 m above the bottom.

V. LOCATION OF STATIONS

The station locations are the same as in previous volumes.

VI. PERSONNEL

The field collection and laboratory analysis of the data contained in this volume were made by the hydrology staff at Cronulla, Hobart, and Perth. Misses O. Jacobsen, E. Mayman, and Mrs. H. Heginbotham were responsible for the processing of the data, and Mrs. S. Hay prepared the typed sheets prior to printing.

VII. REFERENCES

- HAMON, B. V. (1956).—A portable temperature-chlorinity bridge for estuarine investigations and sea-water analysis. *J. Sci. Instrum.* 33: 329-33.
- ROCHFORD, D. J. (1951).—Studies in Australian estuarine hydrology. I. Introductory and comparative features. *Aust. J. Mar. Freshw. Res.* 2: 1-116.

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 9.i	P.22	0	24.50	18.80						
		5	24.40							
		9	23.90							
	B.2	0	24.25	18.85						
		2	24.05	18.83						
		4	24.10	18.86						
		6	23.65	18.86						
		8	23.30	18.90						
		10	22.80	19.03						
		19.63								
	W.19	0		19.63						
	S.18	0	23.85	19.00						
		5	23.85							
		10	21.10							
	C.3	0	24.30	19.00						
		5	24.20							
		10	21.45							
	7.ii	P.22	0	24.20	18.96	5.33	106			
			2	24.20	18.95	5.40	108			
			4	24.10	18.94	5.43	108			
			6	24.00	18.94	5.40	107			
8			23.60	18.96	5.37	106				
B.2		0	23.95	19.00	5.43	108	8.08	3-13-0	0	
		2	23.95	19.07	5.40	107	8.10	4-14-9	0	
		4	23.95	19.05	5.37	107	8.11	5-11-8	0	
		6	23.85	19.07	5.47	109	8.10	4-17-1	5	
		8	23.30	19.13	5.43	109	8.10	24-6-0	5	
		10	22.70	19.16	4.81	94	8.10	18-9-	5	
								30		
		S.18	0	23.80	19.10	5.43	108			
			2	23.80	19.10	5.43	108			
			4	23.75	19.10	5.47	108			
6			23.65	19.12	5.49	108				
8			23.30	19.24	5.11	101				
10			22.55	19.22	4.99	97				
16.ii		L.25	0	26.40	15.8	4.81	96			
			1	26.40	15.8					
			2	25.60	16.90					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 16.ii	A.1	0	25.80	16.60	5.10	102			
		1	25.80	16.60					
		2	25.60	16.80	4.98	99			
		3	24.60	17.65					
		4	24.50	17.75	5.15	102			
		5	24.10	18.00					
	0.23	0	25.30	17.05	5.27	105			
		1	25.30	17.05					
		2	25.20	17.05	5.04	100			
		3	25.20	17.05					
		4	24.70	17.45	4.98	98			
		5	24.20	17.90					
	P.22	6	24.10	18.00	4.36	86			
		0	25.20	17.15	5.22	104			
		1	25.20	17.15					
		2	25.20	17.15	5.27	105			
		3	25.20	17.15					
		4	24.30	17.65	4.74	93			
		5	24.00	17.80					
	Q.24	6	23.90	18.10	4.17	82			
		7	23.60	18.45					
		0	25.30	17.20	5.10	101			
		1	25.30	17.20					
		2	25.30	17.20	5.46	109			
		3	25.20	17.25					
		4	25.00	17.35	5.04	100			
		5	24.50	17.60					
		6	24.10	17.95	5.04	99			
	S.24	7	23.60	18.30					
		8	23.30	18.65	4.81	94			
		9	23.20	18.70					
		0	25.20	17.40	4.93	98			
		1	25.20	17.40					
		2	25.20	17.40	5.22	104			
		3	25.10	17.40					
		4	25.10	17.45	5.10	101			
		5	24.70	17.55					
		6	24.00	18.05	4.98	99			

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 16.ii	S.24	7	23.70	18.35					
		8	23.30	18.65	4.03	79			
		9	23.10	18.75					
	T.24	0	24.90	17.65	5.38	107			
		1	24.90	17.65					
		2	24.90	17.65	5.46	108			
		3	24.90	17.65					
		4	24.90	17.65	4.81	95			
		5	24.40	17.75					
		6	23.80	18.15	4.63	91			
		7	23.30	18.55					
		8	23.30	18.65	3.85	75			
	R.22	9	23.10	18.70					
		0	25.50	17.05	4.87	97			
		1	25.50	17.05					
		2	25.10	17.30	4.87	97			
		3	24.90	17.35					
		4	24.20	17.55	5.22	102			
		5	24.10	17.65					
		6	23.60	18.48	4.81	94			
		7	23.40	18.60					
	B.2	0	25.30	16.82	4.93	94			
		1	24.50	17.65					
		2	23.90	18.10	5.04	99			
		3	23.70	18.25					
		4	23.60	18.40	4.98	98			
		5	23.30	18.62					
		6	23.30	18.65	3.97	78			
		7	23.10	18.75					
		8	23.10	18.78	4.23	83			
	T.19	9	23.10	18.80					
		0	24.50	17.53	4.93	97			
		1	24.50	17.53					
		2	24.40	17.75	4.68	92			
		3	23.90	18.20					
		4	23.30	18.58	4.52	88			
		5	23.20	18.65					
		6	23.20	18.67	4.19	82			
		7	23.20	18.67					
	8	23.20	18.68	3.81	74				

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 16.11	T.19 S.18	9	23.20	18.75					
		0	24.40	17.78	4.17	82			
		1	24.40	17.78					
		2	24.30	17.88	4.52	89			
		3	23.90	18.18					
		4	23.40	18.55	4.57	89			
		5	23.30	18.60					
		6	23.20	18.65	4.29	84			
		7	23.20	18.65					
		8	23.30	18.80	3.69	72			
17.11	C.3	0	24.75	17.65					
		1	24.70	17.70	5.07	100			
		2	24.60	17.80					
		3	24.60	17.80	4.98	99			
		4	24.50	17.80					
		5	24.30	17.93	4.81	95			
		6	24.10	18.07					
		7	23.40	18.63	4.87	95			
		8	23.20	18.75					
	Q.14	0	24.70	17.73					
		1	24.60	17.73	5.04	100			
		2	24.60	17.73					
		3	24.60	17.73	4.98	98			
		4	24.60	17.73					
		5	24.50	17.75	5.15	102			
		6	23.95	18.27					
		7	23.50	18.55	4.63	91			
		8	23.40	18.63					
	D.2	0	25.20	17.25	5.10	101			
		1	24.90	17.40					
		2	24.70	17.47	4.98	98			
		3	24.80	17.60					
		4	24.75	17.80	4.87	97			
		5	24.60	17.88					
		6	23.90	18.28	4.52	89			
		7	23.30	18.62					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 20- 21.11	L.25	0	24.15	7.2	3.92	69	7.96	13-7- 20	10
		2	25.50						
	A.1	0	25.15	16.03	4.63	91	8.11	11-10- 9	10
		5	24.50	16.87	4.68	92	8.09	15-0- 12	10
	O.23	0	24.75						
		4	25.45						
		7	23.70						
	P.22	0	24.80	16.40	4.41	86	8.07	13-0- 14	15
		5	24.85						
		8	23.65	17.72	3.76	73	7.99	25-5-7	5
	R.22	9	23.50						
		0	25.00						
		6	24.50						
	B.2	9	23.60						
		0	25.00	16.38	4.63	91	8.08	15-13- 0	5
		2	25.15	16.89	4.45	88	8.04	15-0- 15	20
	T.19	4	24.45	17.50	4.57	90	8.08	15-2- 10	10
		6	24.20	17.91	4.41	87	8.05	20-20- 0	10
		8	23.90	18.26	4.18	82	8.01	25-0-5	5
		10	23.25	18.48	3.43	67	7.78	38-0-2	15
		0	24.90						
		5	24.35						
		10	23.25						
	W.19	0	24.55	17.10	4.43	87	7.81	11-1-1	15
	S.18	0	25.00	16.00	4.68	91	8.10	17-3-1	10
		5	24.55						
		10	23.10	18.43	3.92	76	8.06	17-0- 30	5
V.17	0	25.00	16.90	4.63	91	8.10	7-26-4	20	
	2	24.95	16.88	4.31	85	8.04	13-10- 29	15	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 20- 21.ii	S.16	0	25.00						
		4	24.80						
		8	23.15						
		10	23.00						
	C.3	0	25.65	17.66	4.92	99	8.13	21-0- 10	5
		5	24.60						
	Q.14	9	23.35	18.14	3.87	75	7.91	15-10- 0	15
		0	25.35						
		2	24.95						
		4	24.40						
		6	24.15						
		8	23.50						
	Q.13	10	22.80						
		0	25.35						
		2	24.65						
		4	24.25						
	D.2	6	23.65						
		8	23.35						
		10	23.05						
	O.9	0	25.40	17.47	2.13	43	8.16	16-2- 11	5
5		23.85							
N.8	7	23.40	18.08	3.14	61	8.08	12-11- 57	5	
	0	25.50							
M.7	5	24.20							
	7	23.60							
L.5	0	26.30	16.06	3.03	60	8.13	30-13- 17	0	
	5	24.60	17.46	2.79	55	8.11	17-10- 45	5	
1	0	27.65	8.6	1.89	36	8.12	82-56- 32	5	
	0	28.40	4.1	3.43	62	6.72	286- 179-0	130	
	1	0	21.90	0.2	3.31	52	6.48	15-0-0	65
		2	21.95	0.2	2.70	42	6.51	10-0-5	75

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956									
20-	3	0	23.40	0.1	2.13	34	6.99	16	25
21.ii		6	24.65	10.5	1.10	20	7.00	13-12-5	15
	5	0	24.50	0.2	0.96	16	6.95	20-5-4	0
		5	24.65	12.0	1.84	34	6.79	16-13-0	30
	7	0	23.35	0.2	2.35	38	7.25	18-0-0	50
		7	24.80	14.8	1.02	19	7.87	23-11-0	5
	8	0	23.65	0.4	2.35	38	6.85	29-0-10	45
	10	0	23.90	0.5	1.89	31	7.42	23-0-4	50
		2	25.65	12.5	3.14	60	7.76	16-9-18	10
18.iii	Q.13	0	22.50	12.5					
		1	22.60	13.2					
		2	22.80	13.6					
		3	22.75	13.7					
		4	22.75	14.5					
		5	22.95	16.25	2.91	55			
		6	23.10	16.65					
		7	23.10	16.85	1.25	24			
		8	23.05	16.85					
	G.3	0	22.55	13.6					
		1	22.60	13.6					
		2	22.50	13.6					
		3	22.60	13.7					
		4	22.75	14.2					
		5	22.90	15.6					
		6	23.20	16.70	2.27	43			
		7	23.20	16.95					
		8	23.20	17.05	1.13	21			
		9	23.05	17.35					
	S.16	0	22.60	13.4					
		1	22.55	13.4					
		2	22.45	13.7					
		3	22.55	13.8					
		4	22.55	13.9					
		5	22.60	15.0					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N		
1956 18.iii	S.16	6	23.15	16.85	2.54	48					
		7	23.15	17.05							
		8	23.15	17.15	1.01	19					
	9	23.05	17.30								
	Q.14	0	22.10	13.3							
		1	22.40	13.5							
		2	22.50	13.7							
		3	22.60	13.8							
		4	22.80	14.4							
		5	22.90	15.6							
		6	23.10	16.55							
		7	23.10	16.85							
		8	23.10	16.95							
		9	23.00	17.25							
	D.2	0	22.40	13.1							
		1	22.50	13.3							
		2	22.80	13.7							
		3	22.80	13.7							
		4	22.60	15.4							
		5	22.90	16.00							
		6	23.00	16.35							
	0.9	7	23.05	16.80							
		0	22.40	13.0							
		1	22.50	13.5							
		2	22.80	13.6							
		3	22.90	13.9						4.49	83
		4	22.70	15.0							
		5	22.80	16.00						3.55	67
	6	23.00	16.55								
	N.8	0	22.70	12.3							
		1	23.00	13.7							
		2	23.00	13.7							
3		22.85	13.9								
4		22.95	14.6								
5		22.85	15.8								
19- 20.iii	L.25	0	22.40	10.2	4.71	83	7.87	6-24- 16	90		

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956									
19-	A.1	0	22.40	11.5	4.90	87	7.94	5-34-7	5
20.iii		5	23.40	15.6	2.17	41	7.76	5-15-8	60
	O.23	0	22.30	11.8					
		7	23.30	16.95					
	P.22	0	22.80	12.7	4.60	84	7.89	4-14-6	0
		5	23.40	16.10					
		7	23.20	16.85	1.35	26	7.73	14-4-11	65
	R.22	0	22.30	13.2					
		5	23.25	15.7					
		8	23.20	17.15					
	B.2	0	22.40	13.2	4.78	87	8.03	6-7-0	0
		5	23.00	14.8					
		7	23.30	16.45	1.76	34	7.74	14-18-0	55
		10	23.20	16.90	1.06	20	7.74	16-0-2	105
	T.19	0	22.30	13.6					
		5	22.40	15.0					
		10	23.20	17.05					
	S.18	0	22.40	13.4	4.72	86	7.97	6-3-0	0
		5	22.10	14.9					
		9	23.20	17.25	0.90	17	7.74	26-0-0	60
	S.16	0	23.00	13.8					
		5	23.00	14.3					
		10	23.10	17.35					
	C.3	0	23.00	13.6	4.78	88	7.96	6-6-0	5
		5	23.00	14.0					
		8	23.20	17.05	1.35	26	7.78	23-0-0	100
	Q.14	0	23.00	13.8					
		5	23.00	13.8					
		9	23.00	17.35					
	Q.13	0	23.10	13.8					
		5	23.05	13.8					
		8	23.15	17.25					
	D.2	0	23.00	13.6	4.72	87	7.95	5-7-0	20
		6	23.10	13.8	4.46	83	7.92	4-8-0	5
	O.9	0	23.20	13.8					
		5	23.10	13.8					
	N.8	0	23.00	12.3	5.23	95	7.88	8-5-4	15
		4	22.90	13.6	4.40	81	7.90	5-3-2	10

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956									
19-	M.7	0	22.80	10.1	5.22	92	7.84	19-0-9	200
20.iii	L.5	0	23.20	1.0	2.90	47		27-0-4	250
		1	19.30	0.1	4.62	69		14-0-0	250
		3	19.60	0.1	3.81	57		5-7-3	120
		5	21.10	0.1	3.12	48		16-8-	125
								19	
		4	19.50	0.2	2.54	38		12-19-	70
								0	
	7	0	22.20	0.1	3.55	66		5-13-6	95
		7	23.00	9.6	1.41	25		12-7-0	100
	8	0	20.80	0.1	3.55	55		8-5-0	65
	10	0	21.00	0.3	3.60	56		7-18-1	60
		2	23.40	12.3					
20.iii	U.24	0	22.80	13.8					
		1	22.80	13.9					
		2	22.80	14.1					
		3	22.90	14.4					
		4	23.00	15.1					
		5	23.30	15.6					
		6	23.20	16.35					
		7	23.20	17.00					
		8	23.20	17.10					
		9	23.20	17.25					
		10	23.20	17.40					
	T.23	0	22.80	13.6					
		3	22.80	13.8					
		4	22.80	14.6					
		5	23.00	15.4					
		6	23.30	16.50					
		7	23.20	17.15					
		8	23.20	17.30					
		9	23.20	17.40					
		10	23.15	17.60					
	T.22	0	23.00	13.8					
		3	23.00	13.9					
		4	23.00	15.3					
		5	23.20	16.10					
		6	23.30	16.55					
		7	23.30	17.10					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 20.iii	T.22	8	23.30	17.15						
		9	23.20	17.30						
		10	23.20	17.45						
	T.21	0	22.80	13.9						
		3	22.90	14.2						
		4	23.40	15.9						
		5	23.40	16.50						
		6	23.30	16.75						
		7	23.30	16.75						
	Q.24	0	22.90	13.2						
		3	22.70	13.6						
		4	22.90	14.2						
		5	23.20	14.6						
		6	23.40	16.55						
		7	23.30	16.80						
		8	23.30	17.10						
		9	23.30	17.30						
	R.24	0	22.80	13.2						
		3	22.80	13.2						
		4	22.70	14.2						
		5	22.80	14.4						
		6	23.30	16.70						
		7	23.30	17.00						
		8	23.20	17.00						
		9	23.20	17.40						
		10	23.20	17.45						
		S.24	0	22.80	13.4					
	4		22.70	13.6						
	5		23.30	15.7						
	6		23.30	16.60						
	7		23.20	17.10						
	8		23.20	17.35						
	9		23.20	17.45						
	10		23.20	17.45						
	T.24		0	22.80	13.6					
			3	22.70	13.8					
		4	22.80	14.2						
		5	23.00	15.4						
		6	23.30	16.60						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 20.iii	T.24	7	23.30	16.95						
		8	23.30	17.10						
		9	23.20	17.30						
3.iv	P.22	0	23.15	12.9						
		1	23.05	13.2						
		2	23.40	13.5						
		3	22.90	13.7						
		4	22.90	14.2						
		5	22.90	15.4						
		6	22.90	16.60						
	10	22.90	16.90							
	B.2	0	23.10	13.1						
		1	22.90	13.6						
		2	22.80	14.4						
3		22.70	14.6							
S.18	B.2	4	22.70	14.8						
		5	22.70	14.9						
		6	22.60	16.30						
		7	22.50	16.95						
		11	21.70	17.15						
		C.3	0	23.00	14.2					
			3	22.65	14.5					
	4		22.70	14.7						
	5		22.60	14.9						
	C.3	C.3	6	21.85	15.7					
			7	22.90	16.50					
8			22.95	16.95						
9			21.10	17.30						
10			20.10	17.55						
C.3	C.3	0	23.00	14.1						
		4	22.90	14.6						
		5	22.90	14.8						
		6	22.80	16.25						
		7	22.40	16.75						
C.3	C.3	8	22.35	16.95						
		9	20.70	17.40						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956									
18-	L.25	0	20.00	13.5	4.70	82	7.94	8-20-0	0
19.iv	A.1	0	20.50	15.1	4.63	83	7.88	13-16- 6	0
		4	20.60	15.1	4.32	78	7.88	17-12- 2	0
	0.23	0	20.70	15.1					
		5	20.90	15.4					
		6	21.70	15.9					
		7	22.50	16.65					
	P.22	0	20.40	14.8	4.78	85	8.01	14-14- 3	0
		5	20.40	15.0					
		6	22.00	16.15					
		7	22.60	16.60	0.80	15	7.72	41-11- 0	40
	R.22	0	20.30	14.7					
		5	20.60	14.8					
		6	21.90	16.45					
		7	22.00	16.75					
		8	22.00	16.90					
	B.2	0	20.40	14.6	4.93	88	8.08	5-19- 18	0
		2	20.40	14.7	4.78	85	8.01	7-29-3	0
		4	20.80	15.6	4.54	83	8.00	10-19- 5	0
		6	21.20	16.55	4.21	78	8.00	13-20- 2	5
		8	21.00	17.15	3.40	63	8.00	17-6-6	0
		10	21.15	17.55	3.11	58	8.00	18-11- 7	5
	T.19	0	19.90	14.8					
		5	20.80	15.9					
		7	20.30	16.60					
		8	20.70	17.15					
	W.19	0	19.60	15.3	5.35	95	8.11	8-25- 19	0
		3	19.55	15.3	4.60	81	8.11	8-21-0	0

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N		
1956 18- 19.iv	S.18	0	19.90	15.0	4.93	88	8.05	6-12- 11	0		
		5	20.80	15.9							
		6	20.20	16.05							
		7	19.60	16.10							
		8	19.50	16.80							
			9	19.20	17.40	4.37	79	8.04	11-23- 43	10	
		V.17	0	19.90	15.3	5.35	95	8.10	8-23-4	0	
			3	19.80	15.2	5.35	95	8.08	6-25-8	0	
		S.16	0	19.80	15.1						
			5	20.30	15.7						
			6	20.70	16.00						
			7	19.80	16.70						
			8	19.00	17.80						
			9	19.00	18.10						
		C.3	0	20.60	15.8	4.95	90	8.04	11-24- 6	0	
			9	20.80	16.20	4.60	81	8.04	13-30- 0	0	
		D.2	0	20.45	15.9	5.06	92	8.05	17-18- 0	0	
			7	21.20	17.25	3.32	62	7.98	22-14- 5	10	
		N.8	0	20.80	16.40	4.41	81	7.98	21-23- 5	0	
			5	20.55	16.40	4.34	79	7.96	21-22- 1	0	
		L.5	0	20.70	15.1	5.99	108	7.99	43-59- 0	0	
			1	0	23.50	12.6	1.42	26		6-17-4	0
			3	0	24.65	12.9	2.78	52	7.52	8-21-2	0
			6	0	24.05	13.9	2.10	39	7.50	8-22- 14	0
			5	0	24.60	11.9	3.19	59	7.46	7-29-5	5
			4	0	24.00	13.7	2.86	54	7.49	14-12- 33	25
		7	0	23.30	6.9	4.21	72		7-16-6	45	
			7	23.40	13.5	2.94	55	7.35	17-13- 0	10	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956									
18-	8	0	22.30	11.7	4.37	78	7.56	6-25-0	5
19.iv	10	0	21.40	12.1	4.65	82	7.64	6-22-2	0
		2	21.00	15.1	4.54	82	7.79	7-38-1	0
19.iv	U.17	0	19.60	15.3					
		3	19.55	15.4					
	V.17	0	19.60	15.4					
		4	19.50	15.5					
	W.19	0	19.85	15.3					
		3	19.85	15.3					
	X.19	0	19.70	15.4					
		4	19.70	15.4					
	Y.18	0	19.80	15.7					
		1	19.70	16.00					
		2	18.95	19.38					
		3	18.80	19.42					
		7	18.60	19.47					
2.v	P.22	0	18.70	15.1	4.91	86	7.89	17-18-5	10
		2	18.80	15.4	4.95	87	7.90	17-19-1	15
		4	18.80	15.6	4.86	85	7.90	15-29-0	10
		6	19.10	16.20	4.40	78	7.89	17-18-38	30
		7	19.50	16.60	4.46	80	7.91	20-26-19	10
	B.2	0	18.80	15.6	4.86	85	7.92	15-26-0	10
		2	19.00	15.7	4.91	86	7.91	15-21-0	10
		4	19.00	15.9	4.60	81	7.91	18-24-8	10
		6	19.00	15.9	4.60	81	7.92	17-15-13	10
		8	19.50	17.05	3.77	68	7.92	22-20-0	10
		10	19.90	17.60	3.54	65	7.93	32-14-0	15

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 2.v	S.18	0	18.60	15.8						
		5	18.60	16.00						
		6	19.00	16.60						
		7	18.80	16.65						
		8	19.60	17.35						
		9	19.70	18.00						
		10	19.30	18.00						
		C.3	0	18.70	16.00					
			5	18.70	16.15					
			6	18.90	16.45					
15- 16.v	L.25	0	17.90	15.9	5.39	93	7.97	27 *	0	
		5	17.20	15.8	5.53	95	8.03	33 *	0	
	A.1	5	18.00	16.60	4.72	83	7.96	27 *	0	
		O.23	0	17.20	15.8					
			4	17.20	15.8					
	7		18.40	17.15						
	P.22	0	17.30	15.9	4.58	79	8.10	18-4-6	0	
		4	17.30	16.00						
		7	18.20	17.05	4.35	77	8.03	26-1-5	0	
	R.22	0	17.20	15.9						
		5	17.90	16.50						
		8	18.25	17.40						
		B.2	0	17.00	15.9	5.49	94	8.09	23-9-5	5
	2		17.20	15.9	5.45	93	8.06	20-4- 12	5	
	T.19	S.18	4	17.20	16.05	5.29	91	8.06	18-8-4	0
			6	17.50	16.75	4.82	84	8.06	18-6-7	0
			8	18.00	17.20	4.08	72	8.02	20-9-8	0
			10	18.20	18.25	4.37	78	8.05	18-8-3	5
			0	17.00	16.00					
			5	17.20	16.20					
9			18.50	17.50						
0			16.90	16.25	5.58	95	8.10	26 *	5	
5			17.20	16.30						
9			18.20	17.85	4.95	88	8.10	32 *	0	
								* Total P.		

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 15- 16.v	S.16	0	17.10	16.30						
		6	17.00	16.30						
		10	18.30	18.30						
	C.3	0	17.25	16.30	5.45	94	8.19	22 *	10	
		5	17.25	16.40						
		8	18.20	17.50	5.39	95	8.11	17 *	5	
	Q.14	0	17.50	16.25						
		6	17.10	16.25						
		9	18.50	18.30						
	Q.13	0	17.25	16.20						
		7	17.20	16.25						
		9	18.80	18.25						
	D.2	0	17.30	16.25	5.45	94	8.13	33 *	5	
		7	17.05	16.20	5.53	95	8.13	27 *	5	
	O.9	0	17.30	16.20						
		6	17.00	16.20						
	N.8	0	17.20	16.20	5.39	93	8.12	25-2-2	5	
		4	17.20	16.20	5.45	94	8.11	28-5-1	5	
	M.7	0	17.20	16.10	5.49	94	8.10	33 *	5	
		1	0	19.90	10.7	2.18	37	7.83	27 *	10
		3	0	19.50	10.6	2.85	48	7.45	24 *	5
		4	0	19.90	15.4	2.58	46	7.37	36 *	0
		5	0	20.00	11.7	3.90	67	7.48	17-16-	0
									0	
			4	19.80	14.9	3.35	59	7.44	17-0-	0
									12	
		7	0	20.00	15.1	4.42	79	7.67	23-3-7	5
6		0	19.80	15.4	4.27	76	7.72	20-5-	0	
								13		
	8	0	20.20	14.6	4.91	87	7.77	20-4-4	5	
	10	0	18.10	14.6	5.45	93	7.92	21-5-1	5	
17.v	C.3	0	17.00	16.30						
		6	17.10	16.40						
		7	17.50	16.95						
		8	18.15	17.85						
		9	18.20	18.20						
		10	18.45	18.40						

* Total P.

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 17.v	Q.14	0	16.90	16.25					
		6	17.00	16.25					
		7	17.90	17.40					
		8	18.20	17.80					
		9	18.45	18.30					
	Q.13	0	16.90	16.20					
		5	17.00	16.25					
		6	17.65	17.15					
		7	18.20	17.70					
		8	18.60	18.00					
	D.2	0	16.90	16.20					
		4	16.90	16.20					
		5	17.50	16.80					
		6	17.80	17.20					
		7	18.10	17.45					
	O.9	0	16.85	16.20					
		4	16.90	16.20					
		5	17.70	17.05					
	N.8	6	18.10	17.55					
		0	16.80	16.15					
		3	16.90	16.20					
28.v	P.22	4	17.30	16.55					
		5	17.80	17.15					
		0	15.85	16.40					
		6	15.70	16.45					
	B.2	7	15.80	16.55					
		8	16.90	17.10					
		0	15.70	16.35					
		4	15.70	16.40					
		5	15.80	16.55					
		6	16.00	16.70					
		7	16.55	17.20					
8	17.50	18.10							
9	17.70	18.25							
10	17.70	18.35							
11	17.70	18.35							

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 28.v	S.18	0	15.55	16.40						
		4	15.40	16.50						
		5	15.60	16.65						
		6	16.15	17.00						
		7	17.00	17.60						
		8	17.40	18.05						
		9	17.40	18.35						
		10	17.40	18.40						
		C.3	0	15.40	16.45					
			5	15.55	16.55					
	6		16.10	16.95						
	7		17.10	17.70						
	8		17.20	17.85						
	6.vi	C.3	0	13.35	16.70					
			6	13.50	16.78					
			7	13.50	16.80					
			8	13.60	16.85					
			9	13.70	16.89					
Q.14		10	14.20	17.20						
		0	13.40	16.73						
		5	13.50	16.75						
		6	13.70	16.81						
		7	13.80	16.91						
Q.13	8	14.80	17.75							
	9	15.30	18.05							
	0	13.20	16.53							
	3	13.20	16.63							
	4	13.30	16.70							
	5	13.50	16.82							
	6	13.60	16.86							
	7	13.70	16.87							
D.2	8	15.25	18.00							
	9	15.30	18.00							
	0	13.30	16.58							
	2	13.30	16.61							
	3	13.65	16.75							
	4	13.70	16.87							
	5	13.70	16.87							

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C.	Cl ⁻ ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956	6.vi	D.2	6	13.80	16.93				
			7	15.20	17.57				
			8	15.30	17.91				
	0.9		0	13.25	16.55				
			4	13.30	16.62				
			5	14.05	16.90				
	N.8		6	14.10	17.03				
			0	13.25	16.58				
			3	13.30	16.62				
	T.23		4	13.60	16.73				
			5	13.60	16.75				
			0	14.15	16.63				
	S.24		8	13.75	16.63				
			9	15.00					
			10	15.95	17.65				
	U.24		0	14.05	16.63				
			8	14.05	16.66				
			9	14.20	16.71				
	S.25		10	15.80	17.60				
			0	14.20	16.65				
			10	14.40	16.70				
	T.25		0	14.10	16.65				
			9	14.20	16.71				
			10	16.20	17.63				
	U.25		0	14.10	16.63				
			8	14.05	16.67				
			9	14.70					
	V.25		0	14.10	16.65				
			10	14.10	16.65				
	U.23		0	14.00	16.60				
7			14.10	16.65					
U.22		0	14.10	16.65					
		10	14.10	16.65					
		0	13.90	16.59					
		9	14.05	16.63					
		10	15.20	17.60					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 6.vi	T.21	0	13.90	16.59						
		3	13.90	16.59						
		5	14.00	16.70						
		7	14.00	16.90						
		9	14.20	17.00						
	T.19 E.	0	13.80	16.61						
		5	13.80	16.63						
		6	13.60	16.81						
		7	13.60	16.90						
	S.18 E.	0	13.70	16.75						
		8	13.70	16.75						
	7.vi	B.2	0	13.85	16.59					
			1	13.70	16.62					
2			13.65	16.62						
3			13.60	16.65						
4			13.50	16.65						
5			13.55	16.65						
6			13.55	16.68						
7			13.90	16.70						
8			14.10	17.08						
9			14.85	17.53						
10	15.10	17.83								
19- 21.vi	L.25	0	12.50	15.8	6.10	96	8.12	6-12-4	0	
	A.1	0	13.10	16.90	6.05	97	8.02	6-16-0	0	
		4	13.00	16.85	5.88	94	8.06	8-9-3	0	
	O.23	0	13.00	16.90						
		7	13.00	16.90						
	P.22	0	13.20	16.95	6.05	98	8.01	9-12-1	0	
		7	13.00	16.95	6.05	97	8.01	10-12-0	0	
	R.22	0	13.10	16.90						
		7	13.30	17.05						
		8	13.80	17.35						
	B.2	0	13.00	16.95	5.12	82	8.04	7-10-5	0	
		2	13.20	16.95	5.39	87	8.04	9-8-0	0	
		4	12.80	17.05	5.88	94	8.04	9-9-0	0	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 19- 21.vi	B.2	6	13.80	17.20	4.41	72	8.04	10-10-0	0
		8	14.20	17.65	5.82	96	8.04	9-8-5	0
	T.19	9	14.40	17.80	5.20	87	7.99	10-8-4	5
		0	12.90	17.10					
		5	13.40	17.45					
		8	13.60	17.55					
		9	14.20	17.85					
		10	14.80	18.35					
	W.19	0	13.20	17.30	6.10	99	8.07	7-10-3	0
	S.18	0	12.80	17.25	5.88	93	8.06	8-6-4	0
		5	13.20	17.40					
		8	14.00	17.55	5.75	95	8.04	7-10-1	0
	V.17	0	13.40	17.35	6.39	103	8.10	7-10-3	0
	S.16	0	13.00	17.40					
		8	13.00	17.40					
		9	14.40	18.15					
	C.3	0	13.60	17.50	5.94	97	8.05	7-8-2	0
		8	13.80	17.60	5.63	92	8.05	9-6-3	0
	Q.14	0	13.20	17.50					
		6	13.20	17.55					
		7	13.80	17.70					
		8	14.10	17.95					
		9	15.10	18.60					
		0	13.20	17.55					
	Q.13	6	13.00	17.55					
		7	13.60	17.75					
		8	14.40	17.85					
	D.2	0	13.00	17.55	5.45	91	8.08	9-6-7	0
		7	14.00	17.70	5.88	97	8.07	9-9-0	0
	O.9	0	13.00	17.55					
		6	12.80	17.55					
	N.8	0	12.90	17.55	5.93	97	8.08	7-10-1	0
4		12.50	17.55	4.21	68	8.09	10-12-0	0	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N		
1956 19- 21.vi	L.5	0	13.80	16.55	7.02	114	8.13	25-40- 9	20		
		1	17.00	15.3	1.69	29	7.27	7-11-6	0		
		3	16.90	15.2	4.39	74	7.65	6-7-5	0		
		5	16.60	16.00	3.90	66	7.75	6-7-6	0		
		5	17.00	15.6	4.39	75	7.75	3-10-6	0		
		4	16.40	16.10	4.71	79	7.73	6-5-4	0		
		7	14.00	14.8	5.69	91	7.90	6-8-0	0		
		7	15.60	16.05	5.20	87	7.88	5-9-4	0		
		8	14.00	14.7	5.93	94	7.95	3-9-0	0		
		10	12.40	15.0	6.10	95	8.04	3-8-2	0		
		2	13.40	16.75	5.57	89	7.94	6-8-2	0		
		27.vi	L.24	0	13.45						
				3	13.05						
			M.24	0	13.05						
6	13.20										
O.24	0		13.30								
	7		13.55								
S.24	0		13.00								
	4		13.25								
	8		13.60								
	9		13.70								
10	14.40										
3.vii	R.22	0	11.05	14.8							
		2	12.00								
		6	12.55	16.50							
	P.22	0	11.35	15.1							
		2	12.10								
		6	12.00								
	O.23	7	12.80	16.75							
		0	11.15	15.0							
		2	11.80								
	A.1	5	11.80	16.05							
		0	11.80	14.2							
		5	12.10	16.35							
	R.27	0	11.05	13.3							
		2	12.00								
6		13.05	15.6								

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 3.vii	P.29	0	11.45	13.2					
		2	12.30						
		5	12.40	16.05					
	O.31	0	11.40	13.6					
		2	12.30						
		5	12.10	16.05					
	R.32	0	11.50	12.6					
		1	12.45						
		3	12.65	15.6					
	R.24	0	12.40	14.9					
		2	12.15						
		4	12.75						
		6	13.10						
		9	13.45	17.65					
		0	12.45	14.4					
	T.25	3	12.35						
		6	12.80						
		9	13.45	17.15					
		0	12.65	14.6					
	U.26	3	12.45						
		6	12.75						
		9	13.35	17.05					
		0	12.75	14.4					
	U.28	4	12.90						
		7	13.20						
		8	13.50	16.90					
		0	12.55	15.2					
		4	12.55						
	B.2	8	12.70						
		10	13.10	17.30					
0		12.15	15.1						
4		12.15							
T.19	7	12.65	17.00						
	0	12.30	15.5						
	3	12.30							
S.18	6	12.55							
	9	13.30	17.25						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 3.vii	S.16	0	12.15	15.8						
		3	12.60							
		6	12.70							
		8	13.30							
		9	14.00							
	C.3	0	11.95	17.70						
		3	11.95							
		6	12.50							
		8	13.35							
		9	14.00							
	4.vii	N.8	0	11.50						16.40
			2	11.35						
			4	12.25						
		O.9	0	12.00						16.85
3			11.70							
5			12.00							
D.2		0	11.70	16.45						
		3	11.50							
		6	12.30							
Q.13		0	12.10	16.80						
		3	11.70							
		6	11.90							
Q.14		0	12.10	16.40						
		3	11.70							
		6	11.90							
C.3		0	12.90	17.05						
		3	11.65							
		6	12.20							
		8	12.30							
		0	11.75		16.05					
		3	11.65							
	6	12.20								
	C.3	0	12.30		17.00					
		3	11.70							
6		11.65								
8		12.50								
9		13.90								
17- 18.vii	L.25	0	12.20	15.5	6.20	97	8.13	7-5-1	10	
		0	12.20							
	A.1	0	12.20	16.46	6.07	95	8.07	7-3-3	65	
		5	13.20							
	0.23	0	11.90	16.91	5.60	90	8.05	7-6-0	70	
		5	12.30							

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 17- 18.vii	O.23	6	12.90	16.93					
		7	13.00	16.99					
	P.22	0	11.70	16.11	6.13	95	8.10	7-6-2	15
		4	12.30	16.44					
	R.22	8	13.60	17.21	5.60	91	8.05	9-4-6	25
		0	11.90	16.14					
		4	11.80	16.21					
		5	12.55	16.72					
		6	13.40	17.36					
		7	13.60	17.48					
		8	13.80	17.57					
		B.2	0	11.60	16.04	5.79	89	8.14	7-12-0
	2		11.70	16.14	6.47	100	8.15	5-11-3	15
	4		12.00	16.29	6.33	99	8.13	7-15-7	15
	6		12.30	16.72	6.58	104	8.13	7-18-4	0
	8		13.10	17.25	5.53	89	8.12	11-2-0	25
	10		13.60	17.49	5.35	88	8.07	11-4-0	20
	T.19	0	11.70	16.29					
		5	11.85	16.46					
		10	14.40	18.19					
	W.19	0	15.50	19.19	5.35	92	8.06	9-12-2	0
		5	15.70	19.26					
	S.18	0	11.70	16.47	6.33	99	8.16	5-11-0	0
		5	11.70	16.49					
		8	13.80	17.16	6.47	106	8.11	7-8-0	0
	V.17	0	15.40	19.22	5.53	95	8.06	12-5-0	0
		5	15.50	19.19					
	S.16	0	11.80	16.56					
		6	11.90	16.59					
		7	12.10	16.71					
		8	12.90	17.16					
		9	14.15	18.19					
		10	14.40	18.39					
	C.3	0	11.60	16.55	6.47	101	8.14	9-10-0	0
		6	11.70	16.54					
		8	12.80	16.72	6.27	100	8.15	7-12-2	0
	Q.14	0	11.60	16.51					
		7	11.80	16.59					
		9	14.30	18.14					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 17- 18.vii	Q.13	0	11.50	16.42						
		6	11.70	16.51						
7		12.90	17.33							
8		13.00	17.44							
9		14.25	18.04							
	D.2	0	11.30	16.40	6.53	101	8.18	7-33-8	0	
		7	13.20	17.14	5.89	95	8.14	7-15-7	0	
	O.9	0	11.45	16.41						
		5	11.70	16.45						
		6	12.40	16.94						
	N.8	0	11.50	16.24	6.40	99	8.20	7-10-2	0	
		4	11.60	16.48	6.40	100	8.16	7-8-7	0	
	M.7	0	11.80	16.21	6.07	94	8.18	9-14-2	0	
		1	0	15.50	15.0	1.27	21		4-11-2	0
		3	0	15.30	13.7	2.86	46		2-11-9	35
			5	14.40	15.6	4.65	75	7.79	4-12-3	0
		5	0	15.10	13.8	3.51	57	7.76	3-16-1	0
			5	14.20	15.7	5.07	82	7.82	4-12-6	0
		7	0	14.60	13.5	3.92	62	7.74	4-25-6	0
			6	13.80	15.7	5.26	85	7.81	4-21- 13	0
		8	0	14.40	13.3	5.20	82	7.73	3-16- 13	5
			10	0	13.30	12.4	5.60	86	7.76	3-12-7
	3	0	13.30	12.4	5.60	86	7.76	3-12-7	5	
		3	12.60	16.24						
17.vii	U.28	0	11.90	16.19						
		8	12.00	16.21						
	U.27	0	11.95	16.19						
		7	11.90	16.19						
		8	14.20	17.49						
	U.26	9	14.20	17.51						
		10	14.20	17.51						
		0	11.90	16.21						
		6	11.80	16.21						
		8	8	13.85	17.44					
9			14.20	17.65						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 17.vii	T.25	0	11.80	16.19						
		4	11.80	16.19						
		5	12.10	16.29						
		6	13.00	16.77						
		7	13.30	17.14						
		8	14.00	17.52						
		9	14.00	17.66						
		10	14.10	17.72						
		T.23	0	11.90	16.21					
			5	11.90	16.24					
	6		13.00	16.89						
	7		13.30	17.21						
	8		13.30	17.24						
	9		13.90	17.54						
	10		14.00	17.72						
	R.24		0	11.80	16.12					
			3	11.75	16.15					
			4	12.10	16.32					
		5	12.80	17.59						
		6	12.90	17.89						
		7	13.40	17.04						
		8	14.00	17.42						
		9	14.20	17.59						
		10	14.30	17.67						
		S.22	0	11.90	16.16					
	4		11.90	16.16						
	5		12.10	16.34						
	6		13.10	16.99						
	7		13.60	17.29						
	8		13.50	17.36						
	9		13.50	17.42						
	10		13.70	17.57						
	11		14.10	17.85						
12	14.30		17.97							
13	14.30		17.99							
18.vii	T.23		0	12.10	16.24					
			7	12.15	16.27					
		8	12.80	16.85						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl °/∞	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 18.vii	T.23	9	13.85	17.43					
		10	14.20	17.75					
	Q.25	0	12.40	16.29					
		2	12.45	16.31					
		3	13.05	16.69					
		4	13.35	16.83					
		5	13.30	16.94					
		6	13.20	17.07					
		7	13.80	17.25					
		8	13.80	17.30					
	R.26	9	14.15	17.47					
		0	12.15	16.19					
		5	12.20	16.24					
		6	13.60	17.01					
	R.27	7	14.05	17.32					
		8	14.10	17.41					
		0	12.10	16.16					
	Q.28	5	12.00	16.16					
		6	12.10	16.34					
		7	14.00	17.19					
		0	12.30	16.19					
	P.29	5	12.30	16.19					
		7	13.80	17.11					
		0	12.50	16.22					
	P.30	5	12.50	16.24					
		6	12.60	16.44					
		0	12.25	16.09					
	O.31	5	12.25	16.12					
		0	12.45	16.11					
		3	12.45	16.11					
		4	13.50	16.59					
	R.32	5	13.50	16.59					
0		12.35	16.04						
4		12.35	16.04						
V.17	0	15.10	18.99						
	4	15.40	19.24						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N		
1956 30.vii	B.2	0	12.90	16.43	6.30	100	8.14	4-9-9	0		
		2	12.90	16.50	6.25	100	8.14	4-12-0	0		
		4	13.80	16.56	6.30	102	8.13	9-5-4	0		
		6	13.90	16.65	6.25	102	8.14	4-14-0	0		
		8	14.40	17.41	5.76	96	8.12	4-10-4	0		
		10	14.40	18.24	5.12	86	8.11	9-9-3	0		
	T.19	0	13.00	16.77							
		9	13.00	16.80							
		10	14.60	18.42							
	S.18	0	13.30	16.85							
		6	13.10	16.94							
		7	13.60	17.22							
		8	14.40	17.75							
		9	14.60	17.97							
		10	14.40	18.01							
		11	14.60	18.40							
		C.3	0	13.20	17.00						
			8	13.10	17.07						
			9	13.10	18.36						
	S.16	0	13.00	16.85							
		5	12.80	16.88							
		6	12.80	17.00							
		7	13.50	17.36							
		8	13.50	17.36							
		9	14.50	18.07							
	Q.14	10	15.20	18.53							
		0	12.90	17.02							
		6	12.90	17.06							
		7	12.90	17.17							
		8	14.30	18.22							
	Q.13	9	14.80	18.47							
		0	12.90	17.00							
		6	12.90	17.00							
7		13.60	17.50								
8		14.80	18.37								
D.2	9	14.80	18.40								
	0	13.20	17.05								
	5	13.00	17.10								
	6	14.10	18.00								

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 30.vii	D.2	7	14.60	18.27						
		8	14.60	18.27						
	0.9	0	13.40	17.17						
		4	13.30	17.20						
		5	13.90	17.88						
	N.8	6	14.10	17.90						
		0	13.60	17.38						
		3	13.60	17.33						
		4	13.70	17.58						
			5	13.90	17.75					
	31.vii	U.26	0	13.40	16.56					
			2	13.10	16.70					
			5	13.10	16.74					
			6	13.10	16.87					
			7	13.50	17.43					
8			13.50	17.82						
9			13.90	17.91						
T.25			0	13.20	16.42					
			2	13.00	16.50					
			5	13.00	16.60					
		6	13.20	16.73						
			7	13.30	17.07					
			8	13.80	17.70					
			9	14.20	17.93					
			10	14.20	17.93					
U.28		0	13.70	16.35						
		2	13.20	16.49						
		4	13.00	16.55						
		5	13.10	16.64						
		6	13.20	16.77						
		7	13.60	17.35						
		8	13.80	17.44						
		R.24	0	13.40	16.43					
2			13.00	16.53						
4			13.10	16.63						
6			13.20	16.69						
7			13.20	16.83						
8			14.10	17.78						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 31.vii	R.24	9	14.30	17.91					
		10	14.30	17.91					
	Q.25	0	13.30	16.40					
		2	13.20	16.56					
		4	13.20	16.67					
		6	13.30	16.72					
		7	13.40	17.07					
		8	14.00	17.66					
		0	13.60	16.00					
	P.29	1	13.40	16.43					
		3	13.40	16.53					
		5	13.30	16.63					
		6	14.20	17.30					
	R.27	0	13.40	15.8					
		1	13.40	16.47					
		3	13.30	16.53					
		5	13.20	16.60					
		6	13.60	16.98					
		7	14.00	17.31					
		0	13.60	16.00					
	R.32	1	13.50	16.25					
		4	13.40	16.43					
		0	13.80	16.25					
	O.31	3	13.40	16.38					
		4	13.60	16.50					
		5	13.80	16.67					
		0	13.50	16.45					
	A.1	1	13.30	16.53					
		2	13.30	16.63					
		3	13.30	16.66					
		4	13.40	16.76					
		5	13.60	16.88					
		6	13.60	17.12					
		0	13.30	16.40					
	O.23	1	13.20	16.66					
		2	13.20	16.70					
		3	13.50	16.75					
		4	13.40	16.81					
		5	13.40	16.87					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 31.vii	O.23	6	13.40	17.10					
		7	13.80	17.36					
		8	13.80	17.36					
	P.22	0	13.30	16.45					
		1	13.30	16.67					
		4	13.30	16.72					
		5	13.50	16.80					
		6	13.80	16.85					
		7	13.80	17.88					
		8	14.00	17.91					
		R.22	0	13.40	16.42				
	1		13.10	16.73					
	2		13.20	16.79					
	3		13.20	16.79					
	4		13.20	16.86					
	5		13.20	16.97					
	6		13.40	17.31					
	7		13.70	17.63					
	8		14.10	17.87					
9	14.10		18.00						
20- 22.viii	L.25	0	13.30	16.76	6.19	100	8.13	5-4-2	
	A.1	0	13.00	16.73	6.06	97	8.14	5-4-2	
		5	13.00	16.73	6.19	99	8.09	5-2-2	
		0	13.00	16.76	6.06	97	8.14	3-4-0	
	P.22	5	12.80	16.92					
		8	13.00	17.23	5.87	95	8.14	6-1-4	
		0	13.60	16.75					
	R.22	5	12.85	16.92					
		6	13.00	17.03					
		7	13.30	17.45					
		8	13.50	17.57					
		B.2	0	12.80	16.77	6.01	96	8.15	4-10-0
	2		12.80	16.81	5.94	95	8.15	3-11-7	
	4		13.00	17.15	5.94	96	8.14	2-14-0	
	6		13.20	17.43	5.55	90	8.15	4-10-0	
8	13.60		17.73	5.76	94	8.14	5-2-0		
10	14.40		18.43	5.38	90	8.13	7-4-4		

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 20- 22.viii	T.19	0	13.25	16.90					
		1	13.10	17.06					
		2	13.00	17.38					
		3	13.00	17.38					
		4	13.10	17.50					
		5	13.25	17.51					
		6	13.40	17.59					
		7	13.75	17.82					
		8	13.85	18.02					
		9	14.40	18.67					
			10	14.55	18.70				
	W.19	0	15.00	19.28	6.01	103	8.14	9-0-6	
	S.18	0	12.80	16.98	6.13	98	8.14	5-9-0	
		5	13.00	17.41					
		8	13.70	18.08	5.87	97	8.13	5-11-2	
	V.17	0	14.90	19.10	5.70	97	8.12	9-6-3	
	S.16	0	13.10	17.33					
		6	13.00	17.52					
		7	13.60	17.93					
		8	14.20	18.60°					
		9	14.20	18.81					
			10	14.55	19.25				
	C.3	0	12.80	17.23	6.06	97	8.20	5-6-7	
		5	12.90	17.23					
		7	12.90	17.35					
		8	13.45	17.50					
		9	14.20	18.00	5.81	97	8.16	6-10-2	
	Q.14	0	12.80	17.17					
		4	13.00	17.34					
		7	13.10	17.45					
		8	13.30	17.62					
		9	14.30	18.27					
		10	14.60	18.50					
Q.13	0	12.70	17.20						
	5	12.90	17.40						
	8	13.30	17.50						
D.2	0	12.60	17.23	6.13	98	8.18	4-14-0		
	7	12.60	17.33	6.06	97	8.15	5-6-5		
O.9	0	12.85	17.26						
	7	12.50	17.34						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 20- 22.viii	N.8	0	12.50	17.23	6.13	98	8.07	5-9-0		
		4	12.40	17.23	6.06	96	8.04	7-11-0		
	M.7	0	12.30	17.28	6.01	96	8.11	7-9-2		
		1	0	16.80	14.1	3.12	52	7.51	7-15-7	
		3	0	16.50	10.7	3.85	61	7.40	9-14-6	
			6	16.30	16.03	3.80	64	7.83	5-6-19	
		5	0	16.30	12.7	5.45	89	7.86	5-13-0	
			4	16.70	15.7	5.06	86	7.87	5-6-14	
		7	0	15.10	13.9	5.70	92	7.92	5-16-0	
			8	15.50	17.00	4.75	79	7.92	5-20-7	
		8	0	14.50	13.5	6.06	96	7.98	2-12-7	
			10	0	12.80	14.1	6.50	101	8.05	4-12-5
		3		13.40	17.39					
21.viii	T.23	0	13.75	16.79						
		3	13.20	16.87						
		7	13.00	16.92						
			8	13.00	17.07					
		9	13.85	17.87						
			10	14.10	18.20					
	R.24	0	13.90	16.85						
		2	13.15	16.89						
		6	13.15	16.95						
			7	13.20	17.00					
		8	13.80	17.67						
			9	14.00	17.85					
		10	14.00	17.88						
			0	13.95	16.70					
T.25	2	13.15	16.80							
	6	12.95	16.88							
	7	13.55	17.39							
		8	13.75	17.60						
	9	14.05	17.80							
		10	14.10	17.94						
U.26	0	13.90	16.75							
	3	13.10	16.85							
	6	13.10	16.91							
		7	13.15	16.95						
	8	13.45	17.34							
		9	13.95	17.68						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 21.viii	U.28	0	14.00	16.71					
		1	13.50	16.77					
		2	13.25	16.77					
		3	13.30	16.80					
		4	13.30	16.98					
		5	13.35	17.05					
		6	13.35	17.25					
		7	13.60	17.34					
	Q.25	0	13.75	16.75					
		2	13.00	16.88					
		7	13.10	16.97					
		8	14.00	17.57					
		9	14.00	17.65					
	R.27	0	13.70	16.65					
		3	12.95	16.77					
		6	12.95	16.83					
		7	13.40	17.20					
	P.29	0	13.55	16.58					
		2	12.85	16.72					
		4	13.05	16.85					
		6	13.45	17.05					
	O.31	0	13.55	16.54					
		2	12.90	16.60					
		5	13.00	16.72					
	R.32	0	14.00	16.47					
		2	12.80	16.55					
		4	13.10	16.65					
	4.ix	P.22	0	13.40	17.13	6.19	100		5-8-0
7			13.40	17.13	6.19	100		3-6-3	0
8			14.40	18.38					
B.2		0	13.50	17.13	6.19	101		2-7-0	15
		2	13.50	17.19	6.30	102		2-6-3	15
		4	13.80	17.67	6.13	101		4-4-3	25
		6	14.10	18.23	6.01	100		5-7-2	95
		8	14.60	18.73	5.76	97		8-5-2	5
		8	14.60	18.73	5.76	97		8-5-2	5
		10	14.70	18.78	5.76	98		4-9-2	35

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956	4.ix	W.19	0	15.40	19.36	5.50	95	8-0-15	0
		S.18	0	13.70	17.53	6.06	99		
			6	13.75	17.59				
			7	13.90	17.85				
			8	14.40	18.61				
			9	14.40	18.72				
			10	14.60	18.99				
		C.3	0	13.60	17.60	6.19	101	4-3-5	5
			8	13.50	17.68				
			9	14.40	18.30				
	5.ix	C.3	0	13.45	17.62				
			7	13.45	17.62				
			8	14.00	18.04				
				9	14.40	18.47			
		Q.14	0	13.45	17.62				
9			13.45	17.62					
Q.13		0	13.50	17.62					
		9	13.50	17.62					
D.2		0	13.50	17.62					
		8	13.50	17.62					
O.9		0	13.55	17.65					
		6	13.55	17.65					
N.8		0	13.60	17.65					
		5	13.55	17.65					
S.16		0	13.50	17.59					
		6	13.50	17.62					
		7	13.95	18.10					
			8	14.00	18.17				
			9	14.55	19.11				
			10	14.60	19.15				
S.18	0	13.60	17.54						
	5	13.60	17.54						
	6	13.70	17.83						
	7	14.00	18.20						
	8	14.30	18.70						
	9	14.60	18.95						
	10	14.70	18.97						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 5.ix	T.19	0	13.70	17.54						
		4	13.60	17.60						
		5	13.60	17.66						
		6	14.00	18.39						
		7	14.25	18.44						
		8	14.30	18.49						
		9	14.50	18.81						
		10	14.65	18.99						
		B.2	0	13.70	17.32					
			2	13.70	17.32					
	4		13.70	17.48						
	6		13.90	17.84						
	7		14.10	18.20						
	8		14.20	18.30						
	9		14.40	18.44						
	10		14.70	18.86						
	11		14.70	18.86						
	S.22		0	13.50	17.19					
			8	13.50	17.26					
		9	13.60	17.39						
		10	14.25	18.31						
	T.23	0	13.55	17.19						
		6	13.55	17.24						
		7	13.60	17.33						
		8	13.75	17.47						
		9	14.15	18.06						
		10	14.40	18.32						
	T.25	0	13.60	17.24						
		7	13.60	17.24						
		8	14.30	18.24						
		9	14.40	18.32						
		10	14.45	18.36						
	U.26	0	13.65	17.22						
5		13.70	17.34							
6		14.00	17.82							
7		14.20	18.06							
8		14.30	18.20							
9		14.40	18.25							

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 5.ix	U.28	0	13.85	17.42					
		5	13.90	17.54					
		6	14.05	17.98					
		7	14.05	18.04					
		8	14.05	18.06					
	V.29	0	13.90	17.44					
		4	13.90	17.55					
		5	13.95	17.91					
	W.30	7	13.95	17.91					
		0	13.90	17.46					
		4	13.90	17.59					
	S.25	0	13.60	17.23					
		7	13.60	17.29					
		8	13.65	17.33					
		9	14.10	18.11					
		10	14.40	18.29					
	R.25	0	13.65	17.21					
		8	13.70	17.26					
		9	14.15	18.08					
		10	14.40	18.29					
	Q.23	0	13.65	17.10					
		8	13.65	17.14					
		9	14.10	18.13					
		10	14.20	18.24					
	R.22	0	13.50	17.16					
		6	13.50	17.16					
		7	13.80	17.69					
		8	14.15	18.13					
	R.21	0	13.50	17.14					
	N.	7	13.50	17.15					
		8	14.10	18.19					
		9	14.50	18.54					
S.21 N.W.	0	13.55	17.13						
	7	13.55	17.13						
	8	14.30	18.39						
		9	14.50	18.54					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956	5.ix	S.21	0	13.55	17.16				
		N.E.	4	13.60	17.20				
			5	13.80	17.37				
			6	14.30	18.45				
			7	14.40	18.65				
			8	14.70	18.86				
		S.21	0	13.60	17.22				
		S.	5	13.60	17.34				
			6	14.30	18.44				
			7	14.50	18.73				
		8	14.60	18.83					
		9	14.65	18.86					
		10	14.65	18.86					
	7.ix	C.3	0	13.50	17.64				
			7	13.50	17.66				
			8	14.40	18.52				
			9	14.70	18.82				
			Q.14	0	13.60	17.64			
			7	13.60	17.64				
		8	14.25	18.29					
		9	14.65	18.82					
Q.13		0	13.60	17.65					
		7	13.60	17.65					
		8	14.60	18.84					
		9	14.65	18.99					
D.2		0	13.60	17.64					
		6	13.60	17.69					
		7	14.10	18.24					
		8	14.30	18.54					
O.9		0	13.70	17.64					
		6	13.70	17.64					
N.8		0	13.70	17.64					
		5	13.50	17.64					
Q.13	0	13.50	17.64						
W.	5	13.50	17.64						
	6	13.80	17.79						
	7	14.10	18.18						
	8	14.55	18.73						
	9	14.60	18.76						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 7.ix	S.16	0	13.70	17.63						
		4	13.70	17.67						
		5	13.80	17.75						
		6	14.20	18.09						
		7	14.70	18.54						
		8	15.00	18.86						
		9	15.10	18.94						
		10	15.10	18.96						
		S.18	0	13.70	17.56					
			4	13.65	17.59					
	5		13.70	17.67						
	6		13.80	17.73						
	7		14.20	18.15						
	8		14.30	18.23						
	9		14.50	18.49						
	10		14.80	18.80						
	T.19		0	13.95	17.52					
			4	13.90	17.61					
		5	13.80	17.68						
		6	13.80	17.73						
		7	13.80	17.75						
		8	14.10	18.02						
		9	14.20	18.24						
		10	14.70	18.89						
		B.2	0	13.80	17.22					
			3	13.60	17.29					
	4		13.70	17.44						
	5		13.80	17.59						
	6		13.90	17.77						
	7		13.90	17.89						
	8		14.25	18.24						
	9		14.45	18.43						
	10		14.70	18.81						
	11		14.65	18.81						
	S.22		0	13.85	17.19					
4		13.55	17.19							
5		13.70	17.39							
6		13.90	17.61							
7		14.00	17.85							

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 7.ix	S.22	8	14.15	18.14						
		9	14.30	18.27						
		10	14.50	18.57						
		11	14.55	18.59						
		12	14.55	18.62						
		13	14.55	18.64						
		14	14.55	18.64						
		T.23	0	13.80	17.21					
			5	13.55	17.26					
			6	13.90	17.59					
			7	14.20	18.34					
			8	14.20	18.38					
			9	14.40	18.44					
		T.25	10	14.50	18.48					
	0		13.90	17.24						
	5		13.65	17.27						
	6		13.90	17.35						
	7		14.20	17.99						
	8		14.30	18.24						
	U.26	9	14.40	18.31						
		10	14.55	18.39						
		0	13.85	17.24						
		6	13.70	17.29						
		7	14.10	17.86						
		8	14.30	18.20						
	U.28	9	14.45	18.26						
		10	14.45	18.26						
		0	14.05	17.26						
		5	13.85	17.29						
		6	13.95	17.40						
7		14.15	17.91							
V.29	8	14.40	18.15							
	0	14.15	17.32							
	6	14.00	17.38							
	7	14.20	17.82							
17- 18.ix	L.25	0	16.50	17.28	5.70	98	8.25	4-15-9	60	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956									
17-	A.1	0	16.00	17.28	6.13	104	8.27	3-15-0	0
18.ix		5	15.70	17.85	6.18	105	8.27	4-13-3	15
	0.23	0	16.20	17.30					
		4	15.40	17.38					
		5	15.50	17.70					
		6	15.50	18.17					
		7	15.80	18.40					
	P.22	0	15.40	17.33	5.94	100	8.24	4-19-1	0
		5	15.30	17.62					
		7	15.60	18.28	6.18	105	8.26	5-12-1	0
	R.22	0	15.80	17.34					
		3	15.10	17.45					
		4	15.00	17.50					
		5	15.30	17.65					
		6	15.30	17.87					
		7	15.40	18.30					
		8	15.60	18.38					
	B.2	0	15.10	17.55	5.94	100	8.26	4-14-0	0
		2	15.10	17.58	6.26	105	8.26	4-11-3	5
		4	15.10	17.58	6.13	103	8.25	4-14-0	5
		6	15.40	18.21	5.94	101	8.25	5-14-0	5
		8	15.40	18.30	6.01	103	8.24	5-15-0	5
		10	15.60	18.53	5.70	98	8.20	7-14-0	10
	T.19	0	15.20	17.51					
		5	15.20	17.67					
		6	15.30	17.73					
		7	15.30	18.24					
		8	15.60	18.61					
		9	16.00	18.75					
		10	16.10	18.84					
	W.19	0	16.90	18.81	5.94	104	8.24	5-19-0	45
	S.18	0	15.10	17.50	6.01	101	8.27	5-17-0	5
		5	15.00	17.62					
		9	16.00	18.68	5.88	100	8.26	7-11-0	5
	V.17	0	16.00	18.63	6.26	107	8.26	4-14-	10
								11	
	S.16	0	15.50	17.59					
		5	15.40	17.59					
		6	15.40	17.80					
		7	15.60	18.33					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 17- 18.ix	S.16	8	15.80	18.45					
		9	15.80	18.57					
		10	16.20	19.05					
	C.3	0	15.70	17.53	6.18	105	8.22	4-18-7	0
		7	15.40	18.03	6.42	109	8.20	5-18-2	0
	Q.14	0	15.80	17.59					
		5	15.30	17.60					
		6	15.10	17.70					
		7	15.70	18.43					
		8	15.70	18.67					
	Q.13	9	16.00	18.92					
		0	15.90	17.61					
		5	15.10	17.61					
		6	15.20	17.75					
		7	15.20	18.42					
	D.2	8	15.50	18.67					
		9	15.80	18.81					
		0	15.90	17.58	5.94	101	8.22	5-15-7	0
		5	15.30	17.65					
	O.9	7	15.60	18.10	6.07	104	8.22	7-14-0	5
		0	16.30	17.67					
	N.8	6	15.10	17.74					
		0	16.80	17.61	5.94	103	8.20	13-12- 4	20
	M.7	4	15.70	17.63	4.97	85	8.21	5-17-7	5
		0	16.50	17.60	5.94	102	8.16	9-20-4	10
	1	0	20.40	13.5	1.22	21	7.63	13-22- 0	30
		3	0	21.00	11.2	2.72	47	7.49	11-22- 7
5	5	18.20	16.45	3.57	62	7.64	4-13-6	0	
	0	21.00	13.2	4.23	75	7.78	5-16-2	5	
7	4	18.30	16.80	4.44	78	7.80	5-14-1	5	
	0	19.70	14.8	5.60	99	7.97	5-12-0	5	
8	6	17.40	16.96	4.91	85	8.02	4-11-5	5	
	0	18.70	14.6	5.66	98	8.05	4-12-0	5	
10	0	18.00	16.50	6.07	106	8.14	4-13-4	5	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 17.ix	V.30	0	17.60	17.52					
		3	16.70	17.53					
		5	16.20	17.53					
	U.28	0	16.40	17.44					
		5	15.80	17.44					
		6	15.80	17.53					
	U.26	7	15.40	18.35					
		0	16.00	17.44					
		4	15.80	17.44					
		5	15.80	17.51					
		6	15.80	17.54					
		7	15.60	17.99					
		8	15.40	18.30					
	T.25	9	15.60	18.50					
		0	15.90	17.45					
		5	15.60	17.45					
		6	15.30	17.50					
		7	15.30	17.80					
		8	15.30	18.26					
		9	15.40	18.47					
	T.23	10	15.60	18.54					
		0	15.60	17.44					
		4	15.60	17.46					
		5	15.40	17.53					
		6	15.30	17.97					
		7	15.30	18.29					
		8	15.20	18.32					
		9	15.20	18.34					
		10	15.60	18.62					
		11	15.60	18.62					
		R.24	0	15.80	17.40				
	4		15.40	17.44					
	5		15.30	17.50					
	6		15.30	17.89					
	7		15.30	18.18					
	8		15.20	18.39					
	9		15.60	17.54					
	10		15.60	18.54					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 17.ix	Q.25	0	15.80	17.32						
		4	15.80	17.33						
		5	15.50	17.45						
		6	15.60	17.62						
		7	15.60	18.07						
		8	15.60	18.34						
		R.27	0	16.40	17.28					
			2	16.20	17.30					
	4		15.80	17.34						
	5		15.80	17.41						
	6		15.80	18.08						
	7		15.80	18.19						
	P.29		0	16.80	17.25					
		2	16.00	17.27						
		5	15.80	17.33						
		6	16.40	17.92						
		7	16.40	17.97						
	O.31	0	16.80	17.24						
		5	16.10	17.33						
	R.32	0	17.30	17.31						
2		17.10	17.31							
3		16.40	17.33							
4		16.30	17.33							
2.x	P.22	0	17.00	17.72	5.81	101		4-11-0	5	
		7	16.75	18.57	5.76	101		8-7-2	5	
	B.2	0	17.00	17.82	5.76	101		6-7-4	5	
		2	16.85	17.82	5.76	100		5-7-5	5	
		4	16.80	17.84	5.87	102		5-10-2	5	
		6	16.65	18.07	5.81	101		6-7-4	5	
		8	15.55	18.52	5.60	96		8-4-5	5	
		10	15.50	18.97	5.23	90		11-6-0	5	
	W.19	0	16.35	19.52	5.55	98		11-10-	5	
								2		
	S.18	0	16.05	17.90	5.76	99		5-5-5	5	
	C.3	0	16.20	18.04	5.70	97		5-8-2	5	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 9.x	P.22	0	17.00	17.57	5.55	97		5-15-3	5
		7	17.10	18.52	5.50	97		20-0-0	10
	B.2	0	17.05	17.67	5.50	96		4-11-0	10
		2	16.80	17.86	5.60	97		3-17-0	10
		4	16.80	17.95	5.55	97		2-16-2	10
		6	16.80	18.08	5.50	96		2-17-2	15
		8	16.80	18.28	5.55	97		3-17-1	10
		10	16.90	18.49	5.23	92		4-13-3	10
	W.19	0		19.37	5.55			9-4-7	5
	S.18	0	16.90	17.87	5.55	97		4-16-1	5
	C.3	0	17.40	18.10	2.25	40		5-15-0	10
	16- 17.x	L.25	0	19.60	17.77	5.30	97	8.13	7-13-1
A.1		0	19.00	17.83	5.49	99	8.15	7-10-3	0
		5	18.40	17.96	5.66	101	8.16	6-7-7	150
O.23		0	19.00	17.85					
		7	18.20	18.36					
P.22		0	19.00	17.80	5.55	100	8.20	5-10-4	15
		7	17.80	18.26	5.66	100	8.22	6-14-0	15
R.22		0	18.80	17.83					
		6	18.20	18.13					
		7	18.10	18.19					
		8	18.00	18.26					
B.2		0	18.20	17.94	5.36	95	8.18	5-13-5	0
		2	18.10	17.90	5.18	92	8.17	5-15-0	75
		4	18.10	18.02	4.17	74	8.16	7-8-17	150
		6	18.20	18.02	5.30	94	8.15	4-16-3	420
		8	18.20	18.37	5.30	95	8.18	8-12-0	280
		10	18.20	18.85	5.30	95	8.14	9-8-0	190
T.19		0	18.60	18.01					
		7	18.40	18.06					
		8	18.30	18.12					
	9	18.20	18.69						
	10	18.20	19.02						
W.19	0	17.60	19.57	5.66	102	8.17	9-12-8	330	
S.18	0	18.60	18.00	5.11	92	8.18	5-8-4	0	
	5	18.40	18.13						
V.17	9	18.20	18.81	5.07	91	8.17	8-9-3	0	
	0	17.30	19.47	5.42	97	8.17	7-14- 16	420	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 16- 17.x	S.16	0	18.60	18.07						
		5	18.20	18.25						
		6	18.10	18.43						
		7	18.00	18.49						
		8	18.00	18.72						
		9	18.00	18.79						
		10	18.30	19.01						
		C.3	0	18.10	18.07	5.23	93	8.21	7-10-0	200
			5	18.40	18.09					
			9	18.40	18.49	5.55	99	8.18	8-7-2	20
	Q.14	0	18.80	18.11						
		7	18.60	18.16						
		8	18.40	18.67						
		9	18.40	18.85						
	Q.13	10	18.40	18.89						
		0	19.00	18.06						
		5	18.80	18.09						
	D.2	9	18.20	18.82						
		0	18.90	18.13	5.36	96	8.17	6-15-0	190	
		5	18.60	18.30						
	O.9	8	18.20	18.57	5.60	102	8.15	8-15-0	15	
		0	19.00	18.09						
		7	18.20	18.56						
	N.8	0	18.80	18.17	5.23	93	8.16	8-14-1	0	
		5	18.40	18.42	5.42	98	8.16	3-24-3	130	
	M.7	0	18.90	18.21	5.30	96	8.15	5-23-0	25	
		1	0	23.40	14.7	0.63	12	7.19	10-27- 6	20
		3	0	24.60	13.5	2.16	41	7.50	10-25- 0	0
			5	20.60	16.70	2.22	40	7.57	7-20-0	5
		5	0	24.60	13.8	2.27	43	7.52	7-18-5	5
			5	20.60	16.70	1.99	36	7.80	7-14-4	15
		7	0	25.00	15.3	4.43	86	7.87	4-16-5	10
6			19.50	16.87	3.37	61	7.93	3-14- 23	230	
8		0	23.20	15.5	4.83	91	7.98	5-15-3	15	
		10	0	21.60	14.1	5.02	91	8.09	5-15-3	0

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 16.x	V.30	0	20.00	17.82					
		6	19.90	17.82					
	U.28	0	19.30	17.82					
		7	19.20	17.82					
		8	18.60	18.16					
	U.26	0	18.90	17.85					
		8	18.70	17.87					
		9	18.20	18.42					
		10	18.20	18.42					
	T.25	0	18.70	17.86					
		8	18.70	17.86					
		9	18.10	18.49					
	T.23	10	18.10	18.52					
		0	18.80	17.85					
		8	18.60	17.86					
	R.24	9	18.00	18.26					
		10	17.90	18.52					
		11	17.90	18.52					
		0	18.90	17.87					
		5	18.90	17.87					
		6	18.80	17.95					
		7	18.00	18.31					
	Q.25	8	18.00	18.32					
		9	18.00	18.40					
		10	18.00	18.40					
		0	19.10	17.88					
		4	19.00	17.88					
		5	18.40	18.02					
		6	18.20	18.12					
		7	18.20	18.26					
	R.27	8	18.20	18.26					
		9	18.20	18.36					
		0	19.40	17.79					
		3	19.40	17.79					
		4	19.10	17.82					
	P.29	7	19.00	17.84					
0		19.50	17.73						
5		19.40	17.78						
6		19.00	17.82						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 16.x	P.29	7	18.90	17.84					
		0	19.80	17.72					
	R.32	5	19.60	17.76					
		0	19.80	17.69					
	T.22	5	19.80	17.69					
		0	19.00	17.86					
		8	18.90	17.89					
		9	18.00	18.52					
		10	18.00	18.60					
		11	18.00	18.60					
			12	18.10	18.64				
	31.x	M.7	0	18.15					
3			17.85						
N.8		0	18.00						
		5	18.10						
O.9		0	18.30						
		6	18.35						
D.2		0	18.40						
		8	18.55						
Q.13		0	18.35						
		8	18.25						
		9	18.60						
Q.14		0	18.30						
		8	18.55						
		9	18.30						
			10	18.20					
C.3		0	18.45						
		8	18.30						
		9	18.10						
		10	18.15						
S.16	0	18.35							
	7	18.25							
	8	17.95							
	9	17.55							
		10	17.20						
S.18	0	18.60							
	5	18.25							
	6	18.15							
	7	17.75							

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 31.x	S.18	8	17.75						
		9	17.40						
		10	17.25						
	T.19	0	18.70						
		7	18.15						
		8	17.95						
	T.20	9	17.85						
		10	17.75						
		0	18.95						
	R.22	2	18.80						
		4	18.35						
		6	18.45						
		8	18.20						
		10	18.10						
	P.22	11	18.00						
		0	19.20						
		2	18.70						
		4	18.60						
	O.23	8	18.45						
		0	19.00						
		2	18.95						
	M.24	4	18.60						
		8	18.60						
		0	19.00						
	Q.25	4	18.60						
		8	18.80						
		0	19.15						
		3	18.95						
	R.27	5	18.70						
		6	19.10						
		0	19.15						
		3	18.70						
		6	18.60						
	9	18.90							
	0	19.40							
	3	19.00							
	5	18.80							
		7	19.00						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 31.x	P.29	0	19.50						
		3	19.25						
		6	18.95						
	O.31	0	19.65						
		3	19.30						
		5	18.95						
	R.32	0	19.85						
		3	19.55						
		5	18.85						
	R.24	0	19.50						
		2	19.50						
		4	18.95						
		6	19.05						
		8	18.90						
		10	18.90						
	T.25	0	19.45						
		2	19.00						
		4	18.55						
		6	18.60						
		8	18.45						
		10	18.65						
	U.26	0	19.50						
		2	19.35						
		4	18.65						
		6	18.55						
		9	18.80						
	U.28	0	19.55						
		4	19.00						
		8	18.80						
	V.30	0	19.55						
		5	19.00						
	U.23	0	19.40						
		5	19.00						
11		18.65							
T.22	0	18.85							
	5	18.65							
	11	18.25							

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 7.xi	N.8	0	20.00	18.65					
		2	19.30	18.69					
		5	19.10	18.69					
	O.9	0	20.00	18.60					
		2	19.60	18.59					
		4	19.50	18.59					
	D.2	6	19.45	18.60					
		0	20.20	18.62					
		1	19.80	18.63					
	Q.13	2	19.40	18.61					
		4	19.30	18.61					
		8	19.25	18.63					
		0	19.75	18.65					
	Q.14	2	19.60	18.65					
		4	19.20	18.64					
		9	19.10	18.65					
	C.3	0	19.95	18.66					
		2	19.70	18.66					
		4	19.35	18.66					
	S.16	9	19.10	18.66					
		0	20.00	18.64					
		2	19.80	18.65					
		4	19.40	18.65					
	S.18	9	19.15	18.70					
		10	18.95	19.18					
		0	19.40	18.62					
		2	19.40	18.62					
		4	19.35	18.65					
		6	19.05	18.75					
	S.18	8	19.15	18.96					
		9	19.10	19.33					
		10	19.05	19.33					
		0	19.50	18.68					
2		19.50	18.69						
4		19.15	18.75						
S.18	8	19.15	18.91						
	9	19.40	19.11						
	10	19.50	19.32						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 7.xi	T.19	0	19.70	18.65					
		2	19.40	18.69					
		4	19.10	18.71					
		6	19.00	18.71					
		8	18.80	18.80					
		9	18.80	18.82					
	B.2	10	18.85	18.93					
		0	20.50	18.61					
		2	19.90	18.61					
		4	19.55	18.59					
		5	19.20	18.59					
		6	19.00	18.75					
		8	18.80	18.82					
		9	18.80	18.99					
		10	18.70	19.04					
		11	18.70	19.06					
	S.22	12	18.70	19.06					
		0	19.90	18.43					
		4	19.50	18.44					
		8	19.30	18.50					
		9	19.30	18.66					
		10	18.95	18.84					
		11	18.95	18.90					
		12	18.90	18.93					
	V.29	13	18.90	18.93					
		14	18.85	18.93					
		0	20.50	18.51					
	U.28	3	20.00	18.48					
		5	19.50	18.50					
		0	19.85	18.48					
	U.26	4	19.70	18.48					
		7	19.25	18.48					
		8	19.40	18.58					
		9	19.40	18.63					
		0	19.80	18.46					
		4	19.40	18.46					
6		19.20	18.46						
7		19.05	18.46						
8		19.00	18.51						
9		19.40	18.76						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 7.xi	T.25	0	20.10	18.41						
		4	19.50	18.44						
		7	19.40	18.46						
		8	19.30	18.48						
		9	19.10	18.75						
	T.23	10	19.30	18.81						
		0	20.10	18.41						
		4	19.90	18.41						
		6	19.45	18.42						
		8	19.30	18.50						
	9.xi	N.8	9	19.10	18.81					
			10	19.00	18.92					
		O.9	0	20.40	18.69					
			5	20.10	19.69					
		P.11	0	20.20	18.73					
			5	20.00	18.72					
6			19.65	18.72						
0			20.15	18.78						
Q.13		2	20.00	18.76						
		4	19.80	18.76						
		6	19.55	18.76						
		8	19.40	18.78						
		0	20.10	18.78						
		4	19.70	18.77						
Q.14		8	19.50	18.78						
		9	19.20	19.11						
	10	19.20	19.13							
	0	20.10	18.77							
R.15	4	19.65	18.77							
	8	19.45	18.84							
	9	19.25	19.24							
	0	20.50	18.69							
	2	19.70	18.72							
S.16	4	19.50	18.76							
	8	19.45	18.78							
	9	19.20	19.08							
	0	20.40	18.65							
		2	19.70	18.65						
		4	19.55	18.67						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 9.xi	S.16	6	19.45	18.76						
		8	19.45	18.78						
		9	19.35	19.00						
		10	19.30	19.27						
	S.18	0	20.30	18.58						
		2	19.60	18.62						
		4	19.40	18.71						
		6	19.40	18.73						
		8	19.40	18.81						
		9	19.30	19.13						
		10	19.30	19.35						
	T.19	0	20.25	18.51						
		2	19.55	18.69						
		4	19.45	18.71						
		6	19.40	18.76						
		8	19.30	18.81						
		9	19.30	18.88						
		10	19.20	19.27						
	T.20	0	20.95	18.46						
		2	19.70	18.60						
		4	19.40	18.76						
		8	19.30	18.81						
		10	19.15	18.93						
		11	19.10	19.17						
		12	19.10	19.17						
	T.22	0	20.40	18.46						
		2	19.90	18.48						
		4	19.90	18.48						
		6	19.70	18.50						
		7	19.30	18.77						
		8	19.30	18.82						
		10	19.20	18.90						
	V.29	0	21.10	18.55						
		2	20.65	18.56						
		4	19.90	18.55						
		7	19.60	18.55						
		U.26	0	20.50	18.52					
			7	19.25	18.58					
			9	19.25	18.81					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 9.xi	U.28	0	21.10	18.56						
		2	20.35	18.56						
		4	19.90	18.54						
		6	19.50	18.54						
		9	19.35	18.62						
	T.25	0	20.80	18.52						
		2	19.80	18.50						
		4	19.65	18.49						
		6	19.45	18.49						
		8	19.35	18.60						
	T.23	9	19.10	18.88						
		10	19.10	18.88						
		0	20.80	18.49						
		2	20.30	18.49						
		4	19.60	18.49						
	19- 21.xi	L.25	0	20.80	18.50	4.92	92	8.16	5-15- 13	0
		A.1	0	21.40	18.57	4.87	92	8.15	5-15-3	0
			5	21.00	18.57	5.11	96	8.16	6-17-0	0
		O.23	0	21.40	18.43					
7			21.20	18.41						
P.22		0	20.80	18.57	5.11	96	8.16	3-20-0	0	
		5	21.10	18.52						
		8	20.70	18.70	5.11	96	8.16	3-20-4	0	
R.22		0	21.30	18.47						
		8	21.00	18.74						
B.2		0	20.40	18.73	5.54	104	8.18	4-23-2	0	
		2	20.20	18.73	5.01	93	8.18	3-20-4	0	
		4	20.00	18.76	4.82	89	8.15	5-18-4	0	
		6	20.00	18.77	5.05	94	8.18	4-19-7	0	
		8	20.00	19.00	5.34	99	8.18	7-16-2	0	
		10	20.00	19.08	5.27	98	8.17	7-16-2	0	
T.19		0	20.40	18.80						
		8	20.40	18.89						
		9	20.20	19.09						
	10	19.80	19.21							

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 19- 21.xi	W.19	0	20.60	18.92	5.18	97	8.20	6-11- 23	0	
	S.18	0	20.20	18.80	5.05	94	8.18	7-20-0	0	
		9	20.20	18.87	5.34	99	8.18	5-12-3	0	
	V.17	0	18.60	19.22	4.41	80	8.20	7-10- 16	0	
	S.16	0	21.00	18.88						
		8	20.90	18.88						
		9	20.40	19.01						
		10	19.30	19.34						
	C.3	0	20.40	18.90	5.11	96	8.18	7-15-0	0	
		9	20.80	19.10	5.11	96	8.18	7-13-7	0	
	Q.14	0	20.40	18.88						
		10	20.00	18.88						
	Q.13	0	20.40	18.78						
		9	20.40	18.88						
		10	21.00	18.78						
	D.2	0	20.40	18.90	4.92	92	8.16	8-15- 17	0	
		7	20.60	18.90	5.11	96	8.16	8-15-4	0	
	O.9	0	20.60	18.88						
		6	20.60	18.90						
	N.8	0	20.60	18.90	5.11	96	8.13	10-19- 0	0	
		4	20.60	18.90	5.18	97	8.15	12-15- 6	0	
		5	24.70	17.00	1.32	26	7.44	5-8-17	5	
	M.7	0	21.80	18.87	5.39	103	8.21	8-5-4	0	
		1	0	26.80	14.9	2.38	47	7.45	8-15-7	0
		3	0	24.50	15.7	2.82	54	7.45	8-25- 17	0
	5	0	23.80	15.8	3.39	65	7.49	8-12- 17	5	
		5	24.70	16.50	3.72	73	7.70	4-19-0	0	
	7	0	22.80	16.55	4.52	86	7.80	3-24-0	35	
		6	24.10	17.30	4.37	85	7.91	3-17-7	0	
	8	0	22.90	16.95	4.70	90	7.93	4-23-0	0	
10		0	22.00	18.00	5.05	96	8.06	3-24-0	0	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 20.xi	V.30	0	21.80	18.52					
		3	21.60	18.57					
		5	21.50	18.59					
	U.28	0	21.60	18.54					
		6	21.60	18.54					
		7	21.40	18.60					
	U.26	8	21.10	18.71					
		0	21.50	18.52					
		8	21.50	18.53					
		9	21.10	18.77					
	T.25	10	21.10	18.77					
		0	21.40	18.52					
		8	21.40	18.54					
		9	21.20	18.55					
	T.23	10	21.10	18.79					
		0	21.40	18.55					
		10	21.40	18.55					
	R.24	11	20.90	18.84					
		0	21.50	18.46					
	Q.25	10	21.30	18.46					
		0	21.50	18.42					
	R.27	8	21.50	18.42					
		0	21.50	18.38					
	P.29	7	21.40	18.39					
		0	21.80	18.34					
	O.31	6	21.80	18.34					
		0	21.80	18.31					
R.32	6	21.80	18.31						
	0	22.20	18.31						
	5	22.10	18.31						
T.22	0	21.30	18.57						
	9	21.30	18.59						
	10	21.00	18.77						
	11	20.80	18.86						
	12	20.50	18.97						
11- 12.xii	L.25	0	24.40	18.81	4.90	98	8.11	12-3-0	5
	A.1	0	23.40	18.81	4.90	96	8.10	12-14- 1	5

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 11- 12.xii	A.1	5	23.20	18.81	4.90	96	8.08	12-16- 4	0
	O.23	0	23.35	18.84					
		6	22.90	18.86					
		7	21.80	19.06					
		8	21.80	19.08					
	P.22	0	23.20	18.81	4.96	97	8.08	10-14- 6	0
		7	22.10	18.94	5.07	97	8.15	10-16- 0	0
	R.22	0	23.00	18.88					
		6	22.60	18.91					
		7	22.45	18.97					
		8	22.10	19.09					
	B.2	0	22.70	18.89	5.07	98	8.10	7-13- 12	5
		10	21.60	19.37	4.66	89	8.11	15-12- 3	0
	T.19	0	22.65	19.05					
		5	22.20	19.08					
		10	21.50	19.40					
	W.19	0	22.90	19.54	5.23	103	8.16	10-5-8	15
	S.18	0	22.20	19.04	5.18	100	8.11	8-6-14	5
		5	22.25	19.06					
		9	21.20	19.29	4.66	89	8.09	17-13- 0	5
	S.16	0	22.45	18.95					
		5	22.35	18.95					
		10	21.10	19.30					
	C.3	0	22.80	19.04	5.18	101	8.15	7-13-7	5
		5	23.00	19.08					
		9	22.80	19.09	5.18	101	8.14	10-10- 0	0
	Q.14	0	23.10	19.10					
5		23.10	19.10						
10		22.40	19.14						
Q.13	0	23.50	19.10						
	9	22.60	19.09						

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 11- 12.xii	D.2	0	23.30	19.09	5.12	101	8.07	12-10- 8	5
		7	22.70	19.09	5.07	99	8.11	12-11- 6	0
11.xii	0.9	0	23.80	19.11					
		6	23.35	19.11					
	N.8	0	24.30	19.06	5.12	102	8.09	12-15- 0	0
		4	24.30	19.06	5.07	101	8.11	13-10- 10	5
	1	0	28.30	14.5	1.99	40	7.32	12-23- 2	5
		2	26.15	16.32	1.24	25	7.38	12-13- 0	0
	3	0	27.70	15.2	1.88	38	7.51	8-9-10	5
		7	24.90	17.80	2.27	45	7.69	8-13-9	10
	5	0	26.80	16.65	3.66	74	7.66	7-8-8	15
		5	24.70	18.05	3.09	61	7.78	7-13-8	10
	7	0	26.20	15.5	4.08	81	7.72	7-12-0	5
		7	23.80	18.35	3.37	66	7.79	10-9- 18	15
	8	0	26.90	16.77	4.60	94	7.83	8-12-0	5
11.xii	V.29	0	23.10	18.92					
		1	23.10	18.92					
		2	23.05	18.92					
		3	22.90	18.92					
		4	22.40	18.92					
		5	22.10	18.97					
		6	21.85	19.06					
		7	21.85	19.06					
	U.28	0	22.85	18.93					
		5	22.80	18.93					
		6	22.20	18.96					
		7	21.70	19.08					
	U.26	8	21.60	19.10					
		0	22.80	18.92					
5		22.65	18.93						
6		22.40	18.93						
		7	22.05	18.98					

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 11.xii	U.26	8	21.80	19.10					
		9	21.65	19.12					
	P.25	0	22.90	18.92					
		7	22.70	18.92					
		8	21.65	19.15					
	T.23	9	21.65	19.15					
		0	23.10	18.92					
		7	22.90	18.92					
		8	21.90	19.14					
		9	21.90	19.16					
	S.22	10	21.90	19.16					
		0	23.50	18.87					
		2	23.35	18.90					
		4	23.00	18.91					
		6	22.65	18.92					
		8	22.65	19.00					
		9	22.30	19.06					
		10	22.05	19.18					
	11	22.00	19.20						
	12	22.00	19.20						

Location: LAKE MACQUARIE NO. V.17

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 7.vi	1630		Depth		16.70					
			0	13.50						
	1700			3	13.50	16.70				
				0	13.65	16.71				
	1730			0	13.85	16.74				
	1800			0	17.00	19.05				
				2	17.40	19.28				
				4	17.40	19.30				
				0	17.50	19.30				
	1830			4	17.50	19.30				
				0	17.50	19.34				
	1900			4	17.50	19.34				
				0	17.50	19.34				
	1930			4	17.50	19.34				
				0	17.50	19.34				
	2000			4	17.50	19.34				
				0	17.40	19.34				
	2030			4	17.40	19.34				
				0	17.40	19.34				
	2100			4	17.40	19.33				
				0	17.50	19.37				
	2130			4	17.40	19.34				
				0	17.60	19.38				
	2200			4	17.50	19.38				
				0	17.50	19.35				
	2230			4	17.40	19.35				
				0	17.20	19.28				
	2300			4	17.35	19.31				
				0	17.20	19.20				
	2330			4	17.40	19.35				
0				15.20	18.05					
2345			4	17.00	19.05					
			0	14.20	17.35					
2400			4	16.00	18.50					
			0	14.00	17.15					
8.vi	0015		4	15.00	17.80					
			0	13.50	16.85					
	0030			4	13.50	16.85				
				0	13.45	16.80				
	0045			4	13.45	16.83				
				0	13.40	16.80				
			4	13.40	16.80					

Location: LAKE MACQUARIE NO. V.17

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 8.vi	0100		Depth	0	13.40	16.77				
			4	13.40	16.77					
	0700		0	13.20	16.75					
			4	13.20	16.75					
	0715		0	13.20	16.77					
			4	13.20	16.77					
	0730		0	13.20	16.80					
			4	13.20	16.82					
	0745		0	15.00	17.80					
			4	15.00	18.00					
	0800		0	16.00	18.70					
			4	16.50	18.80					
	4.vii		1530	0	12.30	15.7				
				4	12.35	15.7				
5		12.35								
1600		0	13.10	16.35						
		4	13.80	16.90						
		5	13.80							
1630		0	15.65	18.85						
		4	15.55	18.75						
		5	15.65							
1700		0	15.75	18.85						
		4	15.80	18.85						
		5	15.80							

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 18.iv	1430		Depth							
			0	20.60	15.0					
			2	20.60	15.0					
			4	20.40	15.3					
			6	20.40	15.6					
			7	21.05	16.55					
			8	21.10	17.15					
			9	21.20	17.17					
			1530	0	20.60	15.1				
	3			20.50	15.3					
	5			20.50	15.7					
	6			20.80	16.10					
	7			21.00	16.40					
	8			21.00	16.56					
	9			21.10	17.10					
	1630			0	20.20	15.2				
				3	20.45	15.5				
			5	20.45	15.6					
			6	20.85	16.20					
			7	21.00	16.25					
			8	21.00	16.55					
			1730	0	20.38	15.3				
				2	20.40	15.5				
				4	20.20	15.7				
	5			20.60	16.08					
	6			20.70	16.21					
	7			20.50	16.23					
	8			20.10	16.40					
	1830			0	20.20	15.3				
				2	20.40	15.5				
			4	20.35	15.6					
			5	20.25	15.8					
			6	20.40	16.00					
			7	20.35	16.10					
			8	20.25	16.18					
			1930	0	20.00	15.2				
2		20.25		15.4						
4	20.35	15.6								
5	20.30	15.9								
6	20.25	16.00								

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 18.iv	1930		Depth						
			7	20.25	16.08				
			8	19.75	17.50				
			2030	0	20.25	15.2			
				2	20.20	15.2			
				3	20.20	15.5			
				4	20.20	15.6			
				5	20.30	15.9			
	6			20.40	16.00				
	7			20.60	16.45				
	8			19.75	17.15				
	2130		0	20.00	15.2				
			2	20.25	15.5				
			3	20.25	15.6				
			4	20.25	15.7				
			5	20.35	15.9				
			6	20.60	16.07				
			7	20.60	16.60				
			8	19.75	17.22				
	2230		0	19.85	15.1				
			2	20.00	15.2				
			3	20.20	15.5				
			4	20.20	15.7				
			5	20.35	15.9				
			6	20.80	16.42				
			7	20.40	16.67				
			8	20.00	17.15				
	2330		0	19.90	15.0				
			2	20.00	15.1				
			3	20.08	15.4				
			4	20.30	15.7				
			5	20.30	15.9				
6		20.60	16.58						
7		20.42	16.76						
8		20.25	17.16						
19.iv	0030	0	20.00	15.0					
		2	20.00	15.2					
		3	20.25	15.6					
		4	20.25	15.6					

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 19.iv	0030		Depth						
			5	20.25	15.8				
			6	20.70	16.55				
			7	20.40	16.86				
	0130		8	20.60	17.17				
			0	19.90	15.2				
			2	19.90	15.3				
			3	20.00	15.4				
			4	20.18	15.7				
			5	20.30	15.9				
			6	20.80	16.50				
			7	20.50	16.78				
	0230		8	20.70	17.13				
			0	19.50	15.3				
			4	19.60	15.4				
			5	20.00	15.6				
			6	20.80	16.50				
			7	20.40	16.64				
			8	20.62	17.05				
			0	19.60	15.2				
	0330		2	19.55	15.3				
			3	19.75	15.6				
			4	19.45	16.00				
			5	19.50	16.05				
			6	19.50	16.05				
			7	19.45	16.40				
			8	19.25	17.30				
			0	19.70	15.4				
	0430		2	19.80	15.4				
			3	20.20	15.6				
			4	20.20	15.8				
			5	19.75	16.03				
			6	19.80	16.50				
			7	19.65	16.36				
			8	19.55	16.83				
			0	19.60	15.2				
	0530		2	19.75	15.3				
			3	20.20	15.6				
			4	20.20	15.8				
			5	19.80	16.00				

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N		
1956 19.iv	0530		Depth								
			6	19.80	16.20						
			7	19.75	16.60						
			8	19.60	16.50						
			0630	0	19.80	15.4					
				3	20.00	15.4					
				4	20.20	15.6					
				5	19.75	15.8					
				6	19.70	16.00					
				8	19.60	16.00					
				0730	0	19.70	15.3				
					4	19.80	15.4				
	5	19.55			15.6						
	6	19.55			15.8						
	7	19.70			16.05						
	8	19.20			17.15						
	0830	0	19.70		15.3						
		4	19.65		15.3						
		5	19.42		15.6						
		6	20.80		16.28						
		7	20.90		16.65						
		8	19.18		17.10						
		14.v	1900		0	17.50	16.30				
					4	17.55	16.40				
					7	17.60	16.50				
					8	18.40	17.75				
					9	18.80	18.25				
					10	18.70	18.55				
	2000		0	17.40	16.25						
			4	17.50	16.35						
			7	17.50	16.40						
			8	18.30	17.60						
			9	18.50	18.05						
			10	18.65	18.20						
	2100		0	17.40	16.15						
			3	17.40	16.25						
			7	17.40	16.35						
			8	18.20	17.35						
			9	18.40	17.75						
			10	18.80	18.55						

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ %	PO ₄ -P	NO ₃ -N	
1956 14.v	2200		Depth							
			0	17.40	16.35					
			6	17.40	16.35					
			7	17.60	16.45					
			8	18.00	16.95					
			9	18.70	18.20					
			10	18.80	18.40					
			2300	0	17.35	16.30				
				4	17.30	16.40				
				5	17.70	17.20				
	6	17.70		17.20						
	7	17.70		17.20						
	8	17.70		17.35						
	9	17.80		17.80						
	10	18.50		18.75						
	2400	0		17.30	16.30					
		3		17.30	16.30					
		4	17.50	16.65						
		5	17.50	16.80						
		6	17.50	16.85						
		7	17.50	16.90						
		8	17.50	16.95						
		9	17.80	17.25						
		10	18.50	18.65						
		15.v	0200		0	17.20	16.25			
	4				17.20	16.30				
	5				17.50	16.65				
	6				17.55	16.85				
	7				17.55	17.00				
	8				17.55	17.00				
9	18.35				18.50					
10	18.30				18.55					
0600	0				17.10	16.40				
	7				17.30	16.50				
	8		17.50	16.60						
	9		18.30	18.40						
	10		18.40	18.60						

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl °/oo	O ₂	O ₂ %/o	PO ₄ -P	NO ₃ -N
1956 15.v	0700		Depth						
			0	17.10	16.40				
			7	17.10	16.40				
			8	17.30	16.50				
			9	18.35	18.30				
			10	18.40	18.55				
	0800		0	17.00	16.35				
			8	17.10	16.40				
			9	18.40	18.45				
	0900		10	18.40	18.55				
			0	17.10	16.15				
			6	17.05	16.25				
			7	17.60	17.20				
	1000		8	18.50	17.90				
			9	18.30	18.35				
			10	18.45	18.55				
			0	17.15	16.20				
			6	17.10	16.25				
	1100		7	17.60	17.20				
			8	18.50	17.75				
			9	18.40	18.45				
			10	18.40	18.55				
			0	17.20	16.20				
	1200		6	17.20	16.30				
			7	17.55	16.90				
			8	18.50	17.70				
			9	18.40	18.30				
			10	18.45	18.45				
	1900		0	17.30	16.20				
			4	17.20	16.25				
			7	17.30	16.55				
			8	18.35	17.45				
			9	18.20	18.05				
			10	18.40	18.35				
			0	17.20	16.25				
	4		17.20	16.40					
	7		17.40	16.60					
	8		18.00	17.40					
	9		18.40	17.95					
	10		18.60	18.20					

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 15.v	2000		Depth						
			0	17.10	16.25				
			4	17.20	16.35				
			7	17.20	16.45				
			8	18.05	17.35				
			9	18.50	17.95				
	2030		10	18.50	18.45				
			0	17.05	16.25				
			4	17.20	16.35				
			7	17.40	16.45				
			8	18.00	17.25				
			9	18.40	17.90				
	2100		10	18.50	18.40				
			0	17.05	16.25				
			4	17.20	16.35				
			7	17.20	16.40				
			8	17.90	17.25				
			9	18.40	17.95				
	2130		10	18.50	18.40				
			0	17.20	16.25				
			4	17.20	16.30				
			7	17.20	16.40				
			8	17.90	17.25				
			9	18.40	17.90				
	2200		10	18.50	18.50				
			0	17.20	16.25				
			4	17.10	16.30				
			7	17.30	16.40				
			8	17.85	17.10				
			9	18.40	18.00				
2230	10	18.50	18.50						
	0	17.20	16.25						
	6	17.20	16.30						
	7	17.30	16.55						
	8	17.85	17.20						
	9	18.60	18.15						
			10	18.45	18.45				

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N		
1956 15.v	2300		Depth								
			0	17.00	16.20						
			6	17.10	16.30						
			7	17.65	17.00						
			8	17.80	17.20						
			9	18.50	18.30						
			10	18.50	18.45						
			2330	0	17.00	16.25					
				6	17.10	16.30					
				7	17.55	16.90					
	8	18.10		17.45							
	9	18.50		18.30							
	10	18.40		18.50							
	2400	0		17.00	16.25						
		6		17.00	16.35						
		7		17.50	16.75						
		8		18.10	17.50						
		9	18.40	18.25							
		10	18.40	18.50							
		16.v	0030		0	17.00	16.25				
					4	17.00	16.35				
					5	17.45	16.80				
					6	17.50	17.10				
	7				18.10	17.60					
	8				18.30	18.15					
	9				18.40	18.40					
	10				18.50	18.50					
	0100				0	17.00	16.25				
					3	17.00	16.35				
			4	17.35	16.75						
5			17.35	16.90							
6			17.50	17.10							
7			17.70	17.50							
8			17.90	17.75							
9			18.20	18.30							
10			18.30	18.45							

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N				
1956 16.v	0130		Depth										
			0	17.00	16.25								
			3	17.00	16.30								
			4	17.20	16.40								
			5	17.20	16.60								
			6	17.40	16.85								
			7	17.60	17.30								
			8	18.00	17.95								
			9	18.20	18.30								
			10	18.30	18.40								
	0200			0	17.00	16.25							
				4	17.05	16.35							
				5	17.30	16.75							
				6	17.40	16.85							
				7	17.50	17.10							
				8	18.00	17.80							
				9	18.20	18.20							
				10	18.25	18.30							
				0230			0	16.90	16.30				
							4	17.00	16.35				
	5	17.20	16.45										
	6	17.30	16.75										
	7	17.50	17.05										
	8	17.50	17.10										
	9	18.10	18.10										
	10	18.20	18.30										
	0300						0	17.00	16.30				
							4	17.00	16.30				
				5	17.20	16.45							
				6	17.30	16.75							
				7	17.40	16.85							
				8	17.75	17.60							
				9	18.10	18.05							
				10	18.20	18.25							
				0330			0	16.90	16.25				
							4	17.00	16.35				
5	17.20	16.65											
6	17.30	16.75											
7	17.40	16.90											
8	17.80	17.55											

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 16.v	0330		Depth							
			9	18.00	17.95					
			10	18.20	18.35					
			0400	0	16.90	16.25				
				4	17.00	16.35				
				5	17.20	16.60				
				6	17.20	16.70				
				7	17.30	16.75				
				8	17.70	17.60				
				9	18.10	18.15				
	10	18.30		18.40						
	0430	0		16.90	16.25					
		5		17.00	16.40					
		6	17.20	16.65						
		7	17.20	16.70						
		8	17.40	16.90						
		9	18.20	18.15						
		10	18.20	18.35						
		0500	0	16.90	16.25					
			4	16.95	16.30					
			5	17.10	16.40					
	6		17.20	16.55						
	7		17.20	16.65						
	8		17.40	16.90						
	9		18.00	18.05						
	10		18.20	18.35						
	0530		0	16.90	16.25					
			4	17.00	16.30					
		5	17.10	16.40						
		6	17.10	16.45						
		7	17.20	16.55						
		8	17.30	16.75						
		9	18.20	18.20						
		10	18.20	18.40						
		0600	0	16.90	16.25					
			5	16.90	16.30					
	6		17.10	16.45						
	7		17.10	16.55						
	8		17.40	17.00						
	9		18.20	18.25						
	10		18.20	18.35						

Location: LAKE MACQUARIE NO. S.18

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 16.v	0630		Depth							
			0	16.90	16.25					
			6	17.00	16.35					
			7	17.10	16.50					
			8	17.60	17.50					
			9	18.20	18.30					
			10	18.20	18.40					
			0700	0	16.90	16.25				
				5	16.90	16.30				
				6	17.15	16.45				
	7			17.20	16.65					
	8			17.60	17.40					
	9			18.20	18.30					
	10			18.30	18.35					
	0730			0	16.90	16.25				
				5	16.90	16.25				
				6	17.10	16.45				
			7	17.20	16.65					
			8	17.80	17.50					
			9	18.20	18.25					
			10	18.20	18.30					

Location: LAKE MACQUARIE NO. S.18 EAST

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 28.v	2000		Depth							
			0	15.30	16.40					
			6	15.40	16.50					
			7	16.50	17.40					
	2030			8	16.60	17.53				
				0	15.30	16.40				
				5	15.30	16.47				
				6	15.90	17.40				
	2100			7	16.80	17.43				
				8	16.80	17.60				
				0	15.30	16.42				
				5	15.30	16.46				
	2130			6	16.05	17.06				
				7	16.90	17.65				
				8	16.90	17.67				
				0	15.30	16.42				
	2200			3	15.30	16.44				
				4	15.40	16.56				
				5	15.60	16.65				
				6	16.70	17.56				
	2230			7	16.90	17.65				
				8	16.90	17.66				
				0	15.30	16.43				
				4	15.30	16.43				
	2300			5	15.40	16.57				
				6	15.50	16.62				
				7	16.80	17.63				
				8	16.80	17.67				
				0	15.30	16.43				
				3	15.30	16.47				
				4	15.40	16.52				
				5	15.50	16.58				
				6	16.90	17.62				
				7	16.90	17.64				
				8	16.90	17.68				
				0	15.30	16.48				
				1	15.30	16.57				
				2	15.50	16.67				
				3	15.70	16.90				
				4	15.80	17.05				
			5	15.90	17.17					

Location: LAKE MACQUARIE NO. S.18 EAST

Date	Time	Tide (ft.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 28.v	2300		Depth							
			6	16.40	18.00					
			7	16.70	18.04					
	8		16.70	18.04						
	2330		0	15.30	16.43					
			1	15.30	16.50					
			2	15.40	16.59					
			3	15.60	16.78					
			4	15.70	16.95					
			5	15.80	17.08					
			6	16.20	17.79					
			7	16.60	17.98					
	2400		8	16.70	18.04					
			0	15.30	16.43					
			1	15.30	16.48					
			2	15.30	16.51					
			3	15.50	16.59					
			4	15.80	17.01					
			5	16.10	17.17					
			6	16.50	17.59					
	29.v		0030	7	16.80	17.84				
				8	16.90	18.09				
				0	15.20	16.43				
				1	15.30	16.47				
2		15.30		16.52						
3		15.70		16.97						
4		15.90		17.11						
5		16.20		17.32						
0100		6	16.70	17.94						
		7	17.10	18.44						
		8	17.10	18.44						
		0	15.20	16.42						
		1	15.20	16.42						
		2	15.30	16.45						
		3	15.30	16.52						
		4	15.80	16.87						
5	15.80	17.05								
6	16.30	17.45								
7	16.50	17.82								
8	17.10	18.05								

Location: LAKE MACQUARIE NO. S.18 EAST

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl °/oo	O ₂	O ₂ %/o	PO ₄ -P	NO ₃ -N		
1956 29.v	0130		Depth								
			0	15.20	16.42						
			1	15.20	16.45						
			2	15.25	16.51						
			3	15.25	16.51						
			4	15.70	16.85						
			5	15.70	16.92						
			6	16.05	17.35						
			7	16.40	17.76						
	8		17.00	18.42							
	0200		0	15.20	16.42						
			3	15.25	16.44						
			4	15.45	16.66						
			5	15.60	16.84						
			6	15.80	17.05						
			7	16.00	17.36						
			8	16.90	18.35						
			0230	0	15.20	16.42					
				4	15.30	16.45					
	5			15.75	17.04						
	6			15.90	17.18						
	7			16.35	17.65						
	8			16.40	17.83						
	0300			0	15.20	16.43					
				3	15.20	16.45					
				4	15.60	16.81					
			5	16.00	17.12						
			6	16.00	17.18						
			7	16.60	17.88						
			8	16.65	17.95						
			0330	0	15.20	16.43					
				4	15.20	16.47					
	5			16.00	17.13						
	6			16.10	17.32						
	7			16.45	17.58						
	8			16.70	17.96						
	0400			0	15.10	16.45					
				4	15.10	16.47					
				5	15.85	17.05					

Location: LAKE MACQUARIE NO. S.18 EAST

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 29.v	0400		Depth							
			6	15.90	17.14					
			7	16.20	17.38					
	8		16.40	17.67						
	0430		0	15.00	16.46					
			4	15.10	16.47					
			5	15.90	16.98					
			6	15.90	17.12					
			7	16.05	17.22					
			8	16.30	17.51					
			0500	0	15.00	16.45				
				3	15.00	16.46				
	4			15.75	16.76					
	5			16.00	16.97					
	6			15.80	17.07					
	7			16.00	17.22					
	8			16.20	17.27					
	0530			0	15.00	16.45				
			3	15.15	16.48					
			4	15.65	16.72					
			5	16.00	16.95					
			6	15.90	17.02					
			7	16.00	17.23					
			8	16.20	17.41					
			0600	0	15.00	16.47				
	3			15.20	16.50					
	4			15.45	16.58					
	5			16.00	16.94					
	6			16.00	17.01					
	7			16.00	17.15					
	8			16.30	17.45					
	0630			0	15.00	16.47				
			4	15.40	16.54					
			5	16.00	16.91					
			6	16.00	16.96					
			7	15.90	17.03					
			8	16.15	17.12					

Location: LAKE MACQUARIE NO. S.18 EAST

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 29.v	0700		Depth						
			0	15.00	16.48				
			4	15.20	16.54				
			5	15.85	16.87				
			6	15.90	16.92				
			7	16.00	17.07				
			8	16.00	17.07				

Location: LAKE MACQUARIE NO. C.3

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 6.vi	1730		Depth						
			0	13.40	16.70				
			4	13.65	16.78				
	1800		8	13.75	16.84				
			9	14.60	17.30				
			0	13.40	16.60				
	1830		4	13.60	16.74				
			7	13.60	16.82				
			8	14.00	16.90				
			9	14.10	16.95				
			0	13.35	16.69				
			3	13.50	16.75				
	1900		6	13.80	16.80				
			7	14.00	16.90				
			9	14.00	16.93				
			0	13.40	16.70				
			3	13.50	16.75				
			6	13.80	16.85				
	1920		9	14.00	16.93				
			0	13.40	16.68				
			3	13.60	16.75				
			5	13.80	16.83				
			7	14.00	16.90				
			8	14.40	17.25				
	2000		9	15.00	17.80				
			0	13.40	16.70				
			2	13.40	16.70				
			4	13.80	16.84				
			6	14.00	16.92				
			8	14.30	17.23				
	2030		9	15.60	18.46				
			0	13.40	16.70				
			3	13.60	16.78				
			6	13.90	16.88				
			7	14.20	17.10				
			8	14.20	17.17				
		9	16.00	18.80					

Location: LAKE MACQUARIE NO. C.3

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 6.vi	2100		Depth							
			0	13.40	16.70					
			2	13.50	16.73					
			4	13.80	16.80					
			5	14.00	16.90					
			6	14.20	17.07					
			8	14.20	17.15					
			9	16.20	18.80					
			2130	0	13.40	16.52				
	2			13.40	16.55					
	3			13.60	16.75					
	4			13.70	16.80					
	6			14.20	17.06					
	8			14.20	17.15					
	9			16.10	18.76					
	2200			0	13.40	16.50				
				2	13.50	16.73				
			4	13.80	16.80					
			6	14.00	17.03					
			8	14.00	17.10					
			9	16.10	18.73					
			2230	0	13.40	16.74				
				4	13.60	16.80				
				5	14.00	16.95				
	6			14.00	17.00					
	7			14.00	17.03					
	8			13.90	17.05					
	9			15.90	18.55					
	2300			0	13.40	16.75				
				4	13.60	16.78				
			5	13.80	16.83					
			6	14.00	16.97					
			7	14.00	17.03					
			8	13.90	17.06					
			9	14.80	17.80					
			2330	0	13.40	16.75				
4		13.60		16.77						
6	14.00	16.93								
7	14.00	16.98								
8	14.00	17.00								
		9	14.60	17.60						

Location: LAKE MACQUARIE NO. C.3:

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 6.vi	2400		Depth							
			0	13.50	16.75					
			5	13.70	16.80					
			6	14.00	16.90					
			7	14.10	16.97					
			8	14.00	17.00					
	9		14.40	17.43						
	7.vi		0030	0	13.40	16.77				
				5	13.55	16.80				
				6	13.80	16.87				
				7	13.90	16.96				
				8	13.90	17.00				
				9	14.55	17.45				
			0100	0	13.40	16.76				
				5	13.50	16.76				
				6	13.70	16.86				
				7	13.95	17.00				
				8	13.90	17.00				
9		14.50		17.40						
0130	0	13.40	16.76							
	5	13.40	16.79							
	6	13.85	16.91							
	7	13.85	16.99							
	8	13.90	17.04							
	9	15.00	18.00							
0200	0	13.35	16.75							
	5	13.50	16.77							
	6	13.80	16.90							
	7	14.00	17.00							
	8	14.10	17.07							
	9	15.40	18.20							
0230	0	13.35	16.75							
	5	13.45	16.77							
	6	13.75	16.87							
	7	14.00	16.96							
	8	14.00	17.05							
	9	15.20	18.20							

Location: LAKE MACQUARIE NO. C.3

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 7.vi	0300		Depth							
			0	13.30	16.75					
			5	13.35	16.75					
			6	13.80	16.85					
			7	14.00	16.94					
			8	14.10	17.00					
			9	15.45	18.20					
			0330	0	13.35	16.75				
				5	13.35	16.75				
	6			13.65	16.84					
	7			13.90	16.90					
	8			14.10	17.05					
	9			15.50	18.25					

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.vi	0830		Depth							
			0	12.40	16.92					
			1	12.40	16.92					
			2	12.50	17.00					
			3	13.00	17.20					
			4	13.20	17.37					
			5	13.20	17.40					
			6	13.30	17.40					
			7	13.60	17.68					
			8	14.00	17.86					
	0900			9	14.00	17.94				
				10	14.60	18.43				
				0	12.70	16.90				
				1	12.70	16.90				
				2	12.70	16.93				
				3	13.20	17.08				
				4	13.20	17.36				
				5	13.40	17.42				
				6	13.40	17.43				
				7	13.80	17.72				
	0930			8	14.00	17.85				
				9	14.30	18.00				
				10	14.80	18.40				
				0	12.80	16.90				
				1	12.80	16.90				
				2	12.80	16.95				
				3	12.80	17.02				
				4	13.30	17.35				
				5	13.40	17.42				
				6	13.60	17.53				
	1000			7	13.90	17.74				
				8	14.10	17.82				
				9	14.40	18.10				
				10	14.80	18.47				
				0	12.90	16.92				
1				12.90	16.92					
2				12.90	16.97					
3				13.00	17.15					
4				13.20	17.35					
5				13.40	17.47					

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.vi	1000		Depth							
			6	13.60	17.52					
			7	13.80	17.72					
			8	14.00	17.83					
			9	14.30	18.03					
			10	14.90	18.46					
			1030	0	12.90	16.90				
				1	12.90	16.90				
				2	12.90	16.96				
				3	13.10	17.18				
	4			13.30	17.35					
	5			13.40	17.43					
	6			13.60	17.50					
	7			13.80	17.67					
	8			14.00	17.78					
	9			14.40	18.05					
	1100		10	14.90	18.46					
			0	13.00	16.93					
			1	13.00	16.93					
			2	13.00	16.93					
			3	13.10	17.17					
			4	13.20	17.30					
			5	13.40	17.43					
			6	13.60	17.47					
			7	13.80	17.64					
			8	14.00	17.73					
	1130		9	14.20	17.90					
			10	14.80	18.37					
			0	13.00	16.90					
			1	13.00	16.90					
			2	13.00	16.98					
			3	13.20	17.15					
			4	13.30	17.33					
			5	13.40	17.43					
			6	13.50	17.46					
			7	13.80	17.63					
8	14.00	17.73								
9	14.00	17.85								
10	14.80	18.43								

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.vi	1200		Depth							
			0	13.10	16.93					
			1	13.10	16.93					
			2	13.20	17.17					
			3	13.30	17.20					
			4	13.40	17.33					
			5	13.50	17.43					
			6	13.50	17.45					
			7	13.80	17.62					
			8	14.00	17.74					
	1230		9	14.20	17.83					
			10	14.80	18.27					
			0	13.25	16.93					
			1	13.20	16.93					
			2	13.20	17.06					
			3	13.30	17.23					
			4	13.30	17.35					
			5	13.40	17.41					
			6	13.50	17.45					
			7	13.90	17.68					
	1300		8	14.00	17.72					
			9	14.10	17.83					
			10	14.80	18.35					
			0	13.40	16.91					
			1	13.40	16.91					
			2	13.20	16.90					
			3	13.20	17.00					
			4	13.40	17.26					
			5	13.40	17.38					
			6	13.60	17.48					
1330	7	13.90	17.68							
	8	14.00	17.75							
	9	14.20	17.85							
	10	14.80	18.25							
	0	13.40	16.90							
	1	13.40	16.92							
	2	13.20	17.00							
	3	13.30	17.19							
	4	13.40	17.30							
	5	13.60	17.43							

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.vi	1330		Depth							
			6	13.70	17.50					
			7	13.80	17.59					
			8	14.00	17.73					
			9	14.10	17.83					
			10	14.80	18.33					
			1400	0	13.40	16.90				
				1	13.40	16.90				
				2	13.20	16.97				
				3	13.30	17.18				
	4			13.30	17.33					
	5			13.40	17.43					
	6			13.80	17.59					
	7			13.80	17.63					
	8			14.00	17.73					
	9			14.00	17.80					
	1430		10	14.80	18.39					
			0	13.40	16.91					
			1	13.40	16.91					
			2	13.20	17.02					
			3	13.30	17.28					
			4	13.30	17.34					
			5	13.40	17.45					
			6	13.60	17.54					
			7	13.80	17.63					
			8	13.80	17.70					
	1500		9	14.00	17.80					
			10	14.50	17.95					
			0	13.40	16.91					
			1	13.40	16.91					
2		13.30	17.04							
3		13.30	17.29							
4		13.40	17.43							
5		13.50	17.45							
6		13.60	17.57							
7		13.80	17.63							
8	14.00	17.71								
9	14.01	17.80								
10	14.90	18.37								

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 20.vi	1530		Depth						
			0	13.40	16.90				
			1	13.40	16.90				
			2	13.30	17.20				
			3	13.40	17.34				
			4	13.40	17.40				
			5	13.40	17.43				
			6	13.50	17.51				
			7	13.80	17.63				
			8	13.80	17.68				
	9		14.10	17.79					
	10		14.30	17.95					
	1600		0	13.30	16.91				
			1	13.30	17.05				
			2	13.20	17.27				
			3	13.40	17.42				
			4	13.20	17.42				
			5	13.40	17.47				
			6	13.60	17.55				
			7	13.80	17.63				
			8	13.90	17.72				
			9	14.50	17.96				
	10		14.80	18.32					
	1630		0	13.30	16.90				
			1	13.30	17.11				
			2	13.10	17.30				
			3	13.10	17.36				
			4	13.20	17.43				
			5	13.30	17.46				
			6	13.40	17.48				
7		13.40	17.53						
8		13.60	17.58						
9		14.20	17.86						
10	14.60	18.23							
1700	0	13.30	16.90						
	1	13.30	16.97						
	2	13.10	17.28						
	3	13.10	17.33						
	4	13.20	17.43						
	5	13.40	17.47						

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 20.vi	1700		Depth						
			6	13.50	17.53				
			7	13.70	17.58				
			8	13.80	17.73				
			9	14.00	17.90				
			10	14.20	17.96				
	1730		0	13.20	16.91				
			1	13.20	17.00				
			2	13.20	17.28				
			3	13.00	17.31				
			4	13.20	17.42				
			5	13.20	17.40				
			6	13.40	17.45				
			7	13.60	17.63				
			8	13.80	17.65				
			9	14.00	17.90				
	1800		10	14.60	18.34				
			0	13.20	16.92				
			1	13.20	17.05				
			2	13.10	17.32				
			3	13.10	17.32				
			4	13.40	17.43				
			5	13.20	17.46				
			6	13.50	17.54				
			7	13.50	17.57				
			8	13.80	17.70				
	1830		9	14.40	18.15				
			10	14.80	18.40				
			0	13.00	16.93				
			1	13.20	17.22				
			2	13.10	17.31				
			3	13.10	17.31				
			4	13.20	17.42				
			5	13.20	17.47				
			6	13.40	17.55				
			7	13.40	17.55				
			8	13.60	17.68				
			9	14.60	18.18				
	10		14.80	18.41					

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.vi	1900		Depth							
			0	13.20	17.18					
			1	13.20	17.07					
			2	13.20	17.30					
			3	13.10	17.33					
			4	13.20	17.40					
			5	13.40	17.51					
			6	13.50	17.55					
			7	13.50	17.64					
			8	14.00	17.77					
	1930			9	14.40	18.03				
				10	14.80	18.41				
				0	13.10	17.13				
				1	13.20	17.30				
				2	13.20	17.35				
				3	13.20	17.38				
				4	13.10	17.38				
				5	13.20	17.44				
				6	13.50	17.55				
				7	13.40	17.62				
	2000			8	14.20	17.85				
				9	14.30	18.00				
				10	14.80	18.43				
				0	12.90	17.11				
				1	13.10	17.27				
				2	13.20	17.36				
				3	13.10	17.40				
				4	13.10	17.40				
				5	13.10	17.43				
				6	13.20	17.51				
	2030			7	13.40	17.55				
				8	13.50	17.65				
				9	14.80	18.29				
				10	14.80	18.43				
				0	12.80	17.15				
1				13.00	17.31					
2				13.20	17.37					
3				13.20	17.37					
4				13.20	17.40					
5				13.20	17.40					

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.vi	2030		Depth							
			6	13.30	17.58					
			7	13.50	17.55					
			8	13.40	17.63					
			9	14.20	17.84					
			10	14.80	18.40					
			2100	0	13.10	17.25				
				1	13.20	17.36				
				2	13.20	17.40				
				3	13.10	17.40				
	4			13.10	17.40					
	5			13.10	17.43					
	6			13.20	17.47					
	7			13.50	17.55					
	8			13.50	17.61					
	9			13.80	17.70					
	2130		10	14.70	18.37					
			0	13.10	17.30					
			1	13.20	17.38					
			2	13.20	17.42					
			3	13.20	17.42					
			4	13.20	17.42					
			5	13.20	17.40					
			6	13.30	17.51					
			7	13.40	17.56					
			8	13.40	17.60					
	2200		9	13.60	17.65					
			10	14.30	17.87					
			0	13.00	16.90					
			1	12.80	17.07					
			2	13.10	17.27					
			3	13.20	17.40					
			4	13.20	17.40					
			5	13.20	17.40					
			6	13.20	17.43					
			7	13.40	17.50					
8	13.50	17.63								
9	13.60	17.66								
10	14.50	18.01								

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.vi	2230		Depth							
			0	13.00	16.90					
			1	13.00	17.03					
			2	13.00	17.30					
			3	13.20	17.38					
			4	13.20	17.41					
			5	13.20	17.46					
			6	13.40	17.55					
			7	13.60	17.63					
			8	13.60	17.67					
	9	14.30	18.00							
	10	14.50	18.12							
	2300			0	13.00	16.90				
				1	13.00	17.00				
				2	13.10	17.24				
				3	13.20	17.37				
				4	13.20	17.42				
				5	13.40	17.47				
				6	13.50	17.63				
				7	13.60	17.63				
				8	14.30	18.05				
				9	14.60	18.23				
	10	14.60	18.23							
	2330			0	13.00	16.85				
				1	13.00	16.97				
				2	13.10	17.14				
				3	13.10	17.40				
				4	13.40	17.50				
				5	13.60	17.63				
				6	13.60	17.66				
7				14.30	17.90					
8				14.50	18.20					
9				14.60	18.29					
10	14.60	18.33								
2400			0	13.00	16.86					
			1	13.00	16.96					
			2	13.10	17.14					
			3	13.10	17.40					
			4	13.40	17.49					
			5	13.60	17.64					

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.vi	2400		Depth							
			6	13.60	17.66					
			7	14.30	17.90					
			8	14.50	18.21					
			9	14.50	18.31					
			10	14.70	18.40					
21.vi	0030		0	12.90	16.88					
			1	12.90	16.88					
			2	13.10	17.15					
			3	13.20	17.42					
			4	13.40	17.53					
			5	13.50	17.62					
			6	13.60	17.66					
			7	14.20	17.84					
			8	14.40	18.15					
			9	14.70	18.36					
			0100	10	14.70	18.37				
	0			13.00	16.87					
	1			13.00	16.96					
	2			13.10	17.20					
	3			13.20	17.40					
	4			13.20	17.47					
	5			13.40	17.58					
	6			13.40	17.60					
	7			14.10	17.95					
	8			14.60	18.23					
	0130	9	14.70	18.36						
10		14.70	18.36							
0		12.90	16.88							
1		12.90	16.90							
2		13.10	17.15							
3		13.30	17.37							
4		13.30	17.46							
5		13.40	17.56							
6		13.70	17.65							
7		14.20	17.96							
8	14.60	18.30								
9	14.70	18.40								
10	14.70	18.41								

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 21.vi	0200		Depth							
			0	12.90	16.88					
			1	12.90	16.88					
			2	13.20	17.21					
			3	13.30	17.42					
			4	13.40	17.53					
			5	13.60	17.63					
			6	13.80	17.67					
			7	14.20	17.97					
			8	14.60	18.31					
	0230			9	14.70	18.42				
				10	14.70	18.43				
				0	12.90	16.89				
				1	12.90	16.89				
				2	13.00	17.15				
				3	13.20	17.32				
				4	13.40	17.51				
				5	13.70	17.65				
				6	14.10	17.84				
				7	14.20	18.02				
	0300			8	14.60	18.37				
				9	14.80	18.45				
				10	14.80	18.45				
				0	12.90	16.89				
				1	13.00	16.94				
				2	13.10	17.12				
				3	13.40	17.37				
				4	13.50	17.53				
				5	13.80	17.65				
				6	14.10	17.80				
	0330			7	14.20	17.92				
				8	14.60	18.27				
				9	14.80	18.47				
				10	14.80	18.49				
				0	12.90	16.90				
1				12.90	16.90					
2				13.10	17.12					
3				13.30	17.37					
4				13.50	17.56					
5	13.70	17.62								

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 21.vi	0330		Depth							
			6	14.00	17.77					
			7	14.30	17.97					
			8	14.60	18.35					
			9	14.80	18.50					
			10	14.80	18.53					
			0400	0	12.80	16.89				
				1	12.80	16.89				
				2	12.80	16.93				
				3	13.20	17.22				
	4			13.40	17.54					
	5			13.90	17.70					
	6			14.00	17.84					
	7			14.20	17.97					
	8			14.60	18.26					
	9			14.80	18.50					
	0430		10	14.80	18.56					
			0	12.80	16.90					
			1	12.80	16.90					
			2	13.00	17.17					
			3	13.30	17.39					
			4	13.40	17.49					
			5	13.60	17.58					
			6	14.00	17.80					
			7	14.20	17.98					
			8	14.60	18.32					
	0500		9	14.70	18.42					
			10	14.90	18.57					
			0	12.80	16.90					
			1	12.80	16.90					
			2	13.10	17.15					
			3	13.30	17.42					
			4	13.30	17.52					
			5	13.60	17.66					
			6	13.90	17.78					
			7	14.20	17.95					
8	14.40	18.24								
9	14.60	18.35								
10	14.80	18.54								

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 21.vi	0530		Depth							
			0	12.80	16.91					
			1	12.80	16.96					
			2	13.10	17.19					
			3	13.20	17.42					
			4	13.20	17.50					
			5	13.60	17.60					
			6	13.80	17.74					
			7	14.30	18.04					
			8	14.50	18.24					
	9		14.50	18.31						
	10		14.80	18.52						
	0600		0	12.60	16.88					
			1	12.80	16.94					
			2	13.00	17.22					
			3	13.20	17.39					
			4	13.70	17.58					
			5	13.60	17.62					
			6	13.70	17.66					
			7	13.80	17.87					
			8	14.40	18.14					
			9	14.80	18.47					
	10		14.80	18.53						
	0630		0	12.70	16.90					
			1	12.80	17.04					
			2	12.80	17.12					
			3	13.20	17.42					
			4	13.50	17.56					
			5	13.50	17.62					
			6	13.60	17.65					
			7	13.80	17.85					
			8	14.40	18.11					
			9	14.70	18.42					
	10		14.80	18.54						
	0700		0	12.60	16.89					
1		12.80	17.00							
2		12.60	17.20							
3		13.10	17.37							
4		13.40	17.54							
5		13.40	17.54							

Location: LAKE MACQUARIE NO. B.2

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 21.vi	0700		Depth							
			6	13.70	17.69					
			7	13.80	17.82					
			8	14.10	17.98					
			9	14.70	18.38					
			10	14.90	18.53					
			0730	0	12.60	16.89				
				1	12.60	16.91				
				2	12.50	17.18				
				3	13.10	17.31				
	4			13.40	17.52					
	5			13.20	17.52					
	6			13.70	17.71					
	7			13.80	17.82					
	8			14.00	17.96					
	9			14.60	18.37					
	0800		10	14.90	18.54					
			0	12.70	16.89					
			1	12.70	16.90					
			2	12.60	17.16					
			3	13.00	17.29					
			4	13.30	17.43					
			5	13.40	17.52					
			6	13.40	17.58					
			7	13.90	17.82					
			8	14.00	17.93					
	0830		9	14.30	18.08					
			10	14.90	18.46					
			0	12.70	16.90					
			1	12.70	16.97					
2		12.70	17.18							
3		13.10	17.36							
4		13.30	17.48							
5		13.40	17.54							
6		13.40	17.62							
7		13.90	17.82							
8	14.00	17.91								
9	14.20	18.02								
10	14.70	18.42								

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl %/oo	O ₂	O ₂ %/o	PO ₄ -P	NO ₃ -N	
1956 19.ix	1000		Depth							
			0	15.40	17.36					
			1	15.40	17.36					
			2	15.40	17.36					
			3	15.20	17.41					
			4	15.20	17.49					
			5	15.50	17.64					
			6	15.40	17.75					
			7	15.30	18.11					
			8	15.50	18.35					
			9	15.50	18.52					
			10	15.50	18.58					
			11	15.60	18.65					
	12	15.70	18.68							
	13	15.60	18.68							
	1030			0	15.40	17.36				
				1	15.40	17.36				
				2	15.30	17.40				
				3	15.30	17.44				
				4	15.30	17.53				
				5	15.40	17.65				
				6	15.40	17.73				
				7	15.30	18.08				
				8	15.40	18.45				
				9	15.40	18.51				
				10	15.60	18.60				
				11	15.60	18.64				
				12	15.60	18.65				
	13	15.60	18.68							
	1100			0	15.40	17.35				
				1	15.40	17.35				
				2	15.40	17.35				
				3	15.30	17.44				
				4	15.30	17.48				
				5	15.40	17.65				
				6	15.40	17.71				
				7	15.30	18.08				
				8	15.40	18.28				
				9	15.40	18.43				
	10	15.60	18.54							

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 19.ix	1100		Depth						
			11	15.60	18.63				
			12	15.60	18.63				
	13		15.60	18.63					
	1130		0	15.50	17.37				
			1	15.50	17.37				
			2	15.40	17.37				
			3	15.30	17.39				
			4	15.20	17.51				
			5	15.40	17.57				
			6	15.40	17.69				
			7	15.30	17.99				
			8	15.40	18.30				
			9	15.50	18.48				
			10	15.60	18.56				
			11	15.60	18.61				
	1200		12	15.60	18.61				
			13	15.60	18.61				
			0	15.60	17.36				
			1	15.60	17.36				
			2	15.60	17.36				
			3	15.40	17.37				
			4	15.30	17.52				
			5	15.40	17.56				
			6	15.40	17.70				
			7	15.30	18.00				
			8	15.40	18.33				
			9	15.40	18.45				
	1230		10	15.60	18.54				
			11	15.60	18.60				
			12	15.60	18.64				
			13	15.60	18.68				
			0	15.60	17.35				
			1	15.60	17.35				
			2	15.60	17.35				
			3	15.40	17.40				
			4	15.40	17.51				
			5	15.40	17.59				
			6	15.40	17.85				
			7	15.40	18.08				

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 19.ix	1230		Depth							
			8	15.40	18.39					
			9	15.40	18.46					
			10	15.50	18.52					
			11	15.60	18.56					
			12	15.70	18.66					
			13	15.70	18.70					
			1300	0	15.80	17.36				
				1	15.80	17.36				
				2	15.70	17.36				
				3	15.40	17.39				
				4	15.30	17.51				
				5	15.40	17.62				
	6			15.40	17.65					
	7			15.40	18.21					
	8			15.40	18.43					
	9			15.50	18.50					
	10			15.50	18.53					
	11			15.60	18.59					
	12			15.70	18.65					
	1330		13	15.70	18.71					
			0	15.80	17.36					
			1	15.80	17.36					
			2	15.70	17.37					
			3	15.30	17.48					
			4	15.40	17.55					
			5	15.40	17.62					
			6	15.30	17.96					
			7	15.40	18.27					
			8	15.40	18.40					
			9	15.50	18.52					
			10	15.60	18.53					
			11	15.70	18.65					
	1400		12	15.70	18.65					
			13	15.70	18.67					
			0	15.85	17.34					
			1	15.80	17.35					
			2	15.70	17.35					
			3	15.40	17.40					
			4	15.40	17.51					
			5	15.50	17.56					

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 19.ix	1400		Depth							
			6	15.30	18.00					
			7	15.40	18.15					
			8	15.40	18.41					
			9	15.50	18.46					
			10	15.60	18.55					
			11	15.70	18.62					
			12	15.70	18.63					
			13	15.70	18.63					
			1430	0	16.00	17.33				
				1	16.00	17.33				
				2	15.80	17.35				
				3	15.40	17.45				
	4			15.40	17.52					
	5			15.40	17.58					
	6			15.40	18.01					
	7			15.40	18.23					
	8			15.40	18.41					
	9			15.50	18.50					
	10			15.70	18.56					
	11			15.70	18.61					
	12			15.70	18.62					
	1500		13	15.70	18.64					
			0	16.10	17.33					
			1	16.10	17.33					
			2	15.80	17.38					
			3	15.40	17.43					
			4	15.40	17.49					
			5	15.40	17.59					
			6	15.40	17.85					
			7	15.40	18.15					
			8	15.40	18.39					
			9	15.50	18.47					
			10	15.70	18.51					
			11	15.70	18.60					
	12		15.70	18.60						
	13		15.70	18.63						

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 19.ix	1530		Depth							
			0	16.10	17.33					
			1	16.20	17.33					
			2	15.80	17.35					
			3	15.60	17.38					
			4	15.40	17.46					
			5	15.40	17.63					
			6	15.40	17.85					
			7	15.40	18.20					
			8	15.40	18.31					
			9	15.50	18.50					
			10	15.70	18.55					
			11	15.70	18.58					
	12	15.70	18.60							
	13	15.70	18.60							
	1600			0	16.20	17.32				
				1	16.00	17.32				
				2	15.80	17.37				
				3	15.40	17.42				
				4	15.30	17.48				
				5	15.50	17.56				
				6	15.40	17.89				
				7	15.30	18.16				
				8	15.40	18.26				
				9	15.50	18.40				
				10	15.60	18.50				
				11	15.60	18.56				
				12	15.70	18.60				
	13	15.70	18.63							
	1630			0	16.10	17.31				
				1	16.10	17.31				
				2	16.00	17.33				
				3	16.00	17.33				
				4	15.40	17.46				
				5	15.40	17.58				
				6	15.50	17.91				
				7	15.30	18.11				
				8	15.30	18.31				
	9	15.60	18.48							

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 19.ix	1630		Depth						
			10	15.60	18.55				
			11	15.60	18.56				
			12	15.70	18.61				
	1700		13	15.80	18.65				
			0	16.00	17.31				
			1	16.00	17.31				
			2	16.00	17.31				
			3	15.90	17.33				
			4	15.40	17.45				
			5	15.40	17.60				
			6	15.40	17.95				
			7	15.30	18.14				
			8	15.40	18.31				
			9	15.60	18.45				
			10	15.60	18.49				
			11	15.70	18.56				
	12		15.70	18.58					
	1730		13	15.70	18.62				
			0	15.90	17.31				
			1	15.90	17.31				
			2	15.90	17.31				
			3	15.80	17.34				
			4	15.40	17.43				
			5	15.40	17.55				
			6	15.40	17.92				
			7	15.30	18.11				
			8	15.30	18.22				
			9	15.50	18.38				
			10	15.60	18.49				
			11	15.70	18.55				
	12		15.70	18.56					
	1800		13	15.70	18.61				
			0	15.80	17.31				
			1	15.80	17.31				
			2	15.80	17.31				
			3	15.40	17.39				
			4	15.40	17.39				
			5	15.50	17.51				
	6		15.40	17.91					

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 19.ix	1800		Depth						
			7	15.40	17.99				
			8	15.30	18.11				
			9	15.40	18.23				
			10	15.60	18.45				
			11	15.60	18.45				
	1830		12	15.60	18.55				
			13	15.60	18.60				
			0	15.80	17.28				
			1	15.80	17.28				
			2	15.80	17.28				
			3	15.40	17.39				
			4	15.40	17.42				
			5	15.40	17.41				
			6	15.40	17.91				
			7	15.30	18.04				
			8	15.30	18.11				
			9	15.40	18.23				
	1900		10	15.60	18.41				
			11	15.60	18.44				
			12	15.70	18.54				
			13	15.80	18.58				
			0	15.80	17.30				
			1	15.80	17.30				
			2	15.60	17.30				
			3	15.40	17.37				
			4	15.40	17.41				
			5	15.40	17.53				
			6	15.40	17.99				
			7	15.40	18.05				
	1930		8	15.50	18.05				
			9	15.50	18.28				
			10	15.60	18.40				
			11	15.60	18.44				
			12	15.70	18.52				
			13	15.70	18.56				
			0	15.60	17.34				
			1	15.60	17.34				
			2	15.60	17.34				
			3	15.60	17.34				

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 19.ix	1930		Depth							
			4	15.40	17.40					
			5	15.40	17.51					
			6	15.40	17.94					
			7	15.40	18.11					
			8	15.50	18.18					
			9	15.50	18.28					
			10	15.60	18.38					
			11	15.60	18.45					
			12	15.60	18.47					
			13	15.60	18.50					
			2000	0	15.60	17.30				
				1	15.60	17.30				
	2			15.60	17.33					
	3			15.50	17.33					
	4			15.40	17.38					
	5			15.40	17.48					
	6			15.40	17.85					
	7			15.50	18.11					
	8			15.60	18.22					
	9			15.60	18.33					
	10			15.70	18.39					
	11			15.70	18.45					
	12			15.70	18.45					
	13			15.70	18.48					
	2030			0	15.70	17.28				
				1	15.70	17.28				
				2	15.60	17.30				
			3	15.60	17.34					
			4	15.40	17.39					
			5	15.40	17.49					
			6	15.40	17.75					
			7	15.40	18.08					
			8	15.60	18.20					
			9	15.60	18.34					
			10	15.70	18.38					
			11	15.70	18.40					
			12	15.60	18.43					
	13		15.60	18.48						

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 19.ix	2100		Depth						
			0	15.60	17.28				
			1	15.60	17.28				
			2	15.60	17.30				
			3	15.60	17.30				
			4	15.40	17.43				
			5	15.40	17.48				
			6	15.40	17.63				
			7	15.40	18.02				
			8	15.60	18.21				
			9	15.70	18.29				
			10	15.70	18.38				
			11	15.70	18.40				
	12		15.70	18.45					
	13		15.70	18.47					
	2130		0	15.60	17.28				
			1	15.60	17.29				
			2	15.60	17.30				
			4	15.50	17.42				
			5	15.50	17.48				
			6	15.40	17.62				
			7	15.40	18.02				
			8	15.60	18.20				
			9	15.70	18.30				
			10	15.70	18.38				
			11	15.70	18.41				
			12	15.70	18.48				
			13	15.70	18.49				
	2200		0	15.60	17.21				
			1	15.60	17.21				
			2	15.60	17.26				
			3	15.60	17.26				
			4	15.60	17.28				
			5	15.40	17.38				
			6	15.40	17.38				
			7	15.40	17.96				
			8	15.60	18.09				
			9	15.60	18.28				
			10	15.60	18.35				

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 19.ix	2200		Depth						
			11	15.60	18.38				
			12	15.60	18.41				
	13		15.60	18.48					
	2230		0	15.60	17.18				
			1	15.60	17.18				
			2	15.60	17.23				
			3	15.60	17.27				
			4	15.60	17.27				
			5	15.50	17.29				
			6	15.50	17.45				
			7	15.40	17.89				
			8	15.60	18.17				
			9	15.70	18.28				
			10	15.70	18.35				
			11	15.60	18.35				
			12	15.60	18.41				
	13		15.60	18.44					
	2300		0	15.60	17.15				
			1	15.60	17.15				
			2	15.60	17.20				
			3	15.60	17.25				
			4	15.60	17.25				
			5	15.50	17.26				
			6	15.40	17.70				
			7	15.40	17.89				
			8	15.60	18.21				
			9	15.70	18.25				
			10	15.70	18.31				
			11	15.70	18.34				
			12	15.70	18.35				
	13		15.70	18.35					
	2330		0	15.60	17.14				
			1	15.60					
			2	15.60	17.22				
			3	15.60	17.26				
			4	15.60	17.26				
			5	15.60	17.26				
			6	15.40	17.68				
	7		15.40	17.90					

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (In.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 19.ix	2330		Depth							
			8	15.50	18.20					
			9	15.60	18.26					
			10	15.70	18.31					
			11	15.70	18.33					
			12	15.70	18.36					
			13	15.70	18.36					
			2400	0	15.80	17.08				
				1	15.80	17.08				
				2	15.80	17.08				
				3	15.60	17.21				
				4	15.60	17.21				
				5	15.50	17.26				
	6	15.30		17.65						
	7	15.40		17.92						
	8	15.50		18.08						
	9	15.60		18.23						
	20.ix	0030		10	15.60	18.26				
				11	15.70	18.29				
				12	15.70	18.31				
				13	15.70	18.34				
				0	15.80	17.05				
				1	15.80	17.05				
				2	15.80	17.05				
				3	15.70	17.13				
				4	15.70	17.21				
5				15.60	17.23					
6				15.40	17.63					
7				15.40	17.95					
8				15.50	18.03					
9		15.50	18.18							
0100		10	15.60	18.22						
		11	15.70	18.28						
		12	15.70	18.30						
		13	15.70	18.34						
		0	15.80	17.02						
	1	15.80	17.02							
	2	15.80	17.02							
	3	15.60	17.14							

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.ix	0100		Depth							
			4	15.60	17.14					
			5	15.60	17.14					
			6	15.30	17.61					
			7	15.40	17.85					
			8	15.40	18.05					
			9	15.40	18.13					
			10	15.60	18.22					
			11	15.60	18.26					
			12	15.60	18.27					
			13	15.60	18.35					
			0130	0	15.80	17.04				
				1	15.80	17.04				
	2			15.80	17.04					
	3			15.60	17.17					
	4			15.60	17.17					
	5			15.60	17.18					
	6			15.40	17.70					
	7			15.40	17.78					
	8			15.40	17.90					
	9			15.40	18.09					
	10			15.60	18.11					
	11			15.60	18.24					
	12			15.60	18.25					
	0200		13	15.60	18.28					
			0	15.80	17.01					
			1	15.80	17.02					
			2	15.80	17.02					
			3	15.60	17.15					
			4	15.60	17.15					
			5	15.40	17.50					
			6	15.40	17.61					
			7	15.40	17.76					
			8	15.50	17.92					
			9	15.50	18.06					
			10	15.50	18.11					
			11	15.60	18.20					
	12		15.60	18.23						
	13		15.60	18.25						

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 20.ix	0230		Depth							
			0	15.80	17.01					
			1	15.80	17.01					
			2	15.80	17.01					
			3	15.70	17.13					
			4	15.70	17.13					
			5	15.60	17.15					
			6	15.40	17.70					
			7	15.40	17.77					
			8	15.40	17.90					
			9	15.60	18.03					
			10	15.50	18.08					
			11	15.60	18.22					
	12	15.60	18.22							
	13	15.60	18.22							
	0300			0	15.80	17.00				
				1	15.80	17.00				
				2	15.80	17.02				
				3	15.70	17.08				
				4	15.60	17.08				
				5	15.60	17.19				
				6	15.40	17.63				
				7	15.40	17.77				
				8	15.40	17.86				
				9	15.50	18.02				
				10	15.60	18.08				
				11	15.70	18.20				
				12	15.70	18.20				
	13	15.70	18.24							
	0330			0	15.80	17.01				
				1	15.80	17.01				
				2	15.80	17.01				
				3	15.80	17.03				
				4	15.70	17.03				
				5	15.60	17.12				
				6	15.40	17.61				
				7	15.40	17.77				
				8	15.40	17.86				
				9	15.50	18.05				
				10	15.70	18.12				

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 20.ix	0330		Depth						
			11	15.70	18.17				
			12	15.70	18.20				
	13		15.70	18.23					
	0400		0	15.80	17.00				
			1	15.80	17.00				
			2	15.80	17.00				
			3	15.80	17.01				
			4	15.70	17.02				
			5	15.60	17.18				
			6	15.40	17.64				
			7	15.40	17.79				
			8	15.50	17.92				
			9	15.60	18.08				
			10	15.60	18.12				
			11	15.60	18.18				
			12	15.70	18.19				
	0430		13	15.70	18.22				
			0	15.80	16.96				
			1	15.80	16.98				
			2	15.80	16.98				
			3	15.80	17.00				
			4	15.70	17.01				
			5	15.60	17.05				
			6	15.40	17.55				
			7	15.40	17.73				
			8	15.40	17.82				
			9	15.50	18.00				
			10	15.60	18.10				
			11	15.70	18.13				
	0500		12	15.70	18.16				
			13	15.70	18.18				
			0	15.80	16.95				
			1	15.80	16.95				
			2	15.80	16.98				
			3	15.70	16.99				
			4	15.60	16.99				
			5	15.60	17.01				
			6	15.30	17.46				
			7	15.40	17.70				

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 20.ix	0500		Depth						
			8	15.40	17.77				
			9	15.50	17.96				
			10	15.60	18.02				
			11	15.70	18.13				
	0530		12	15.70	18.13				
			13	15.70	18.18				
			0	15.80	16.95				
			1	15.80	16.95				
			2	15.80	16.95				
			3	15.80	16.96				
			4	15.60	16.98				
			5	15.60	16.98				
			6	15.40	17.39				
			7	15.40	17.66				
	0600		8	15.40	17.76				
			9	15.50	17.87				
			10	15.60	18.03				
			11	15.60	18.06				
			12	15.70	18.17				
			13	15.70	18.20				
			0	15.80	16.93				
			1	15.80	16.95				
			2	15.80	16.95				
			3	15.80	16.95				
	0630		4	15.80	16.95				
			5	15.80	16.95				
			6	15.40	17.25				
			7	15.40	17.59				
			8	15.40	17.80				
			9	15.40	17.87				
			10	15.60	17.97				
			11	15.60	18.05				
			12	15.70	18.10				
			13	15.70	18.13				
			0	15.70	16.93				
			1	15.80	16.93				
			2	15.80	16.93				
			3	15.80	16.93				
			4	15.80	16.95				

Location: LAKE MACQUARIE NO. T.22

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 20.ix	0630		Depth						
			5	15.80	16.95				
			6	15.40	17.37				
			7	15.40	17.68				
			8	15.60	17.83				
			9	15.60	17.92				
			10	15.60	18.01				
			11	15.60	18.08				
			12	15.70	18.09				
			13	15.70	18.15				

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956									
10.i	6a	0	24.35	14.2	4.61	87	7.97	3-18	5
		3	24.65	14.0	5.11	97	7.93	5-10	30
8.ii	6a	0	23.35	11.8	4.96	90	7.98	3-12-6	30
		2	23.00	12.4	5.64	103	8.10	8-7-4	25
22.ii	6a	0	21.40	0.4	4.41	69	8.02	22-0-30	40
		3	21.50	0.4	3.49	55	7.29	21-0-17	40
15.iii	7			0.7				87 *	
4.iv	6a	0	22.10	5.7	4.67	78	8.14	5-15	100
		3	22.10	5.9	4.54	76	8.02	6-12	80
20.iv	6a	0	17.80	9.6	5.38	87	8.02	14-10-5	30
		2	18.00	9.7	5.30	86	8.00	14-9-9	35
30.iv	6a	0		10.6	4.95		7.91	10-3-11	45
2.v	6a	0		7.0				15-0-11	75
17.v	6a	0	17.60	9.2	5.12	82	7.94	41 *	60
		3	18.20	12.5	4.88	82	8.01	18 *	55
29.v	6a	0	16.05	11.4	5.58	89	8.18	10-50-1	45
		2	16.20	12.0	5.63	91	8.12	14-46-9	45
18.vi	6a	0	13.20	9.3	3.47	51	8.06	4-14-5	60
		3	13.30	9.4	5.93	88	8.15	4-6-5	45

* Total P.

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 3.vii	6a	0	11.60	4.2	6.10	82	7.86	4-8-11	140
		2	11.70	4.4	6.00	81	7.79	12-0-6	110
16.vii	6a	0	10.90	4.4	6.84	91	7.88	1-5-10	30
		3	10.90	5.3	6.84	92	7.92	4-9-3	0
1.viii	6a	0	13.50	10.1	6.35	95	8.16	4-10-7	0
		3	13.60	10.9	5.88	89	8.22	4-9-12	0
20.viii	6a	0	14.30	14.1	5.81	93	8.09	4-6-9	
		2	14.30	14.3	5.87	94	8.12	5-10-6	
3.ix	6a	0	14.30	11.7	6.50	119		1-9-8	100
		2	14.80	11.7	3.91	61		2-7-11	30
17.ix	6a	0	15.80	13.8	6.26	102	8.21	5-6-6	35
15.x	6a	0	18.40	11.7	5.66	94	8.08	7-6-10	120
19.xi	6a	0	19.70	17.85	4.82	88	8.06	8-5-27	5

Location: GEORGES RIVER -SHELL POINT

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956 2.ii	9am	28	21.10	22.20	17.82	pH 7.94	101	12-10-	45
	10	38	22.20	22.50				7	
	11	47	23.30	22.60		8.01			
	12 n	51	22.80	22.80					
	1pm	54	23.30	23.10	18.02	8.07	118	23-0-7	15
	2	48	22.80	23.20					
	3	40	23.30	23.80		7.99			
	4	32	22.80	24.20					
	5	24	22.80	24.40	18.26	8.07	114	11-5- 11	15
	6	17	22.80	24.30					
	7	12	22.20	24.00		8.02			
	8	18	21.70	23.80					
3.ii	9	24	21.70	23.80	18.17	8.04	112	11-11- 3	15
	10	33	21.70	22.90					
	11	42	21.10	22.80		8.02			
	12mm	51	20.60	23.10					
	1am	54	20.60	23.00	18.14	8.02	99	11-14- 7	65
	2	57	20.60	23.00					
	3	51	20.60	22.40		7.98			
	4	42	20.00	22.20					
	5	34	20.00	22.00	18.17	7.96	83	16-7-6	90
	6	28	20.00	22.40					
	7	23	20.00	22.40		8.01			
	8	20	20.00	22.60					
9	25	20.60	22.60	18.14	7.99	95	12-7- 10	75	
9.iv	12 n	18	25.00	23.70	17.07	7.73	77	15-18- 4	0
	1pm	21	25.00	23.90					
	2	21	25.60	24.20	17.14	7.91	85		
	3	27	25.00	24.30					
	4	38	24.40	24.00	16.84	7.95	96	9-11-8	0
	5	51	23.30	23.90					
	6	59	22.80	23.40	17.04	7.95	94		
	7	69	22.80	23.50					

Location: GEORGES RIVER - SHELL POINT

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ %	PO ₄ -P	NO ₃ -N
1956 9.iv	8pm	69	20.60	23.10	17.26	pH 7.89	86	14-9-2	0
	9	63	20.60	24.00					
	10	54	20.00	24.00	17.06	7.80	93		
	11	40	18.30	23.00					
	12mm	29	18.30	23.20	17.10	7.86	85	15-11-6	0
10.iv	1am	24	18.30	22.90					
	2	21	17.80	22.20	17.06	7.87	81		
	3	25	18.30	22.30					
	4	37	17.20	22.20	17.05	7.88	83	20-0-4	0
	5	48	17.20	22.00					
	6	58	17.80	22.00	17.13	7.88	80	21-0-7	0
	7	66	18.90	22.10					
	8	67	19.40	22.50	17.31	7.86	77		
	9	63	20.00	21.10					
	10	51	21.10	21.00	17.12	7.72	68	19-3-5	0
	11	40	21.10	21.70					
	12 n	28	23.30	22.20	17.31	7.84	81		
9.v	10am	47	21.10	16.00	17.23	8.05	84	13-5-6	50
	11	36	22.20	16.20					
	12 n	28	22.20	16.60	17.61	8.05	98		
	1pm	22	22.20	16.80					
	2	24	22.20	16.80	17.54	8.05	102	7-22-0	20
	3	34	22.20	17.00					
	4	45	21.10	17.00	17.36	8.04	96		
	5	58	18.90	16.80					
	6	72	18.30	17.00	17.42	8.05	93	16-9-16	35
	7	77	17.80						
	8	79	17.80	17.40	17.48	8.05	91		
9	72	17.80	17.30						
10	60	16.70	17.60	17.60	8.05	95	12-23-0	15	
10.v	11	46	17.20	17.80					
	12mm	34	16.70	17.40	17.59	8.05	94		
	1am	23	16.10	17.20					
	2	18	15.60	16.80	17.46	8.03	95	12-32-0	10
	3	20	15.60	17.00					

Location: GEORGES RIVER - SHELL POINT

Date	Time	Tide (In.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1956 10.v						pH				
	4am	30	15.60	16.60	17.04	8.01	92			
	5	38	15.60	16.50						
	6	52	15.60	16.50	17.16	8.00	89	13-13-2	25	
	7	61	15.60	16.60						
	8	64	17.80	16.60	17.29	8.00	88			
	9	61	20.00	16.50						
	10	52	20.60	17.10	17.36	7.93	87	12-12-8	10	
	31.v	9am	36	11.10	13.00	17.74	8.14	94	3-31-5	0
		10	41	12.20	13.10					
11		50	12.20	13.00	17.94	8.13	103			
12 n		56	12.20	13.20						
1pm		59	12.20	13.10	17.94	8.15	85	3-21-0	0	
2		57	12.80	13.20						
3		51	12.80	13.20	17.94	8.17	117			
4		45	12.20	13.20						
5		42	11.70	13.10	17.94	8.21	115	3-14-11	0	
6		36	11.10	13.00						
7		35	11.10	13.10	17.95	8.19	114			
8		40	10.60	13.20						
9		44	11.10	13.20	18.13	8.19	106	3-12-9	0	
10		51	11.10	13.00						
11	59	11.70	13.10	18.09	8.15	100				
1.vi	12mm	64	11.10	13.00						
	1am	70	11.10	13.00	18.09	8.17	104	4-16-0	0	
	2	66	10.00	13.00						
	3	60	9.44	12.70	18.09	8.16	97			
	4	54	9.44	12.50						
	5	48	8.89	12.40	18.09	8.15	98	4-19-1	0	
	6	39	9.44	12.70						
	7	33	10.00	12.40	18.14	8.15	96			
	8	30	10.60	12.20						
9	33	12.20	12.70	18.20	8.15	92	5-14-5	0		

Location: GEORGES RIVER - SHELL POINT

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956						pH			
8.viii	10am	66	18.30	13.60	17.43	8.13	94	5-10-2	0
	11	62	18.90	13.70					
	12 n	48	19.40	13.90	16.65	8.14	97		
	1pm	34	20.00	14.00					
	2	21	21.70	14.20	16.52	8.13	101	5-12-2	0
	3	12	20.00	14.70					
	4	9	19.40	14.70	16.73	8.19	124		
	5	18	16.70	14.50					
	6	30	15.00	14.10	16.66	8.15	109	4-10-1	0
	7	42	14.40	14.20					
	8	59	12.20	13.70	16.72	8.15	106		
	9	72	11.70	14.00					
	10	79	11.10	13.90	17.22	8.15	105	5-4-3	0
	11	76	10.60	14.00					
	12mm	68	9.44	13.60	17.13	8.15	101		
9.viii	1am	52	7.78	13.10					
	2	32	7.78	13.10	17.21	8.16	100	6-6-2	10
	3	19	6.67	12.80					
	4	7	5.56	12.60	16.87	8.15	96		
	5	8	5.56	12.60					
	6	19	5.00	12.20	16.59	8.15	98	6-6-5	5
	7	31	4.44	13.10					
	8	43	9.44	12.90	16.57	8.15	93		
	9	56	12.80	13.60					
	10	67	16.70	13.80	17.20	8.17	97	6-2-5	0
12.ix	10am	36	14.40	14.20	18.70	8.19	102	4-11-2	5
	11	42	15.60	14.20					
	12 n	49	15.00	14.30	18.68	8.19	105		
	1pm	48	15.00	14.40					
	2	58	13.90	14.60	18.70	8.20	107	4-11-4	5
	3	55	13.30	15.00					
	4	51	12.20	14.90	18.60	8.20	108		
	5	45	12.20	14.60					
	6	37	12.20	14.50	18.62	8.19	106	4-7-0	5
	7	31	12.20	14.30					
	8	25	12.20	14.30	18.60	8.19	107		
	9	23	12.20	14.20					
	10	23	11.10	14.20	18.60	8.21	104	4-13-6	5
	11	27	11.70	14.20					

Location: GEORGES RIVER - SHELL POINT

Date	Time	Tide (in.)	Air Temp. °C	Water Temp. °C	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1956						pH			
12.ix	12mm	33	11.70	14.20	18.58	8.21	103		
13.ix	1am	39	11.70	14.10					
	2	39	10.00	14.20	18.63	8.21	103	5-10-5	0
	3	42	9.44	14.20					
	4	41	8.89	14.10	18.64	8.19	100		
	5	36	8.33	13.90					
	6	30	7.78	13.60	18.62	8.20	102	5-14-0	10
	7	28	7.22	13.50					
	8	27	8.33	13.60	18.63	8.22	96		
	9	25	12.20	14.00					
	10	27	16.10	14.40	18.63	8.25	98	3-9-4	0
24.x	9	56	18.90	18.30	18.95	7.87	89	8-5-4	40
	10	67	18.90	18.40					
	11	72	20.00	19.00		7.85			
	12 n	72	20.60	19.00					
	1pm	62	20.00	19.40	19.12	7.89	96	7-13-0	20
	2	51	18.90	19.60					
	3	36	20.00	19.60		7.88			
	4	27	18.90	19.60					
	5	18	18.30	19.50	19.07	7.89	98	8-15-4	40
	6	15	18.30	19.50					
	7	15	16.70	19.40		7.89			
	8	21	15.60	19.40					
	9	32	15.00	19.20	19.10	7.89	96	12-11-0	75
	10	39	13.90	19.10					
	11	48	14.40	18.90		7.84			
25.x	12mm	52	12.80	18.80					
	1am	52	13.90	18.80	18.97	7.83	95	12-11-2	0
	2	44	13.90	18.60					
	3	34	13.30	18.00		7.84			
	4	28	13.30	18.00					
	5	22	13.30	18.00	18.96	7.84	87	8-15-0	0
	6	20	15.60	18.00					
	7	23	18.30	18.00		7.87			
	8	34	21.10	18.20					
	9	45	21.10	18.60	19.04	8.00	89	8-15-0	40

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956	4.i	4	0	22.45	19.38	5.23	102	6-12-0		
			5	22.05						
			10	21.90	19.40	5.18	100	6-15-2		
			15	20.85	19.42	6.06	115	6-15- 13		
			19	19.55	19.45	3.93	73	24-34- 15		
		4a	0	22.55	19.35	4.90	95	5-15-1		
			5	21.90						
			12	21.70	19.40	6.12	117	5-17-0		
			16	20.25	19.40	4.60	86	13-21- 1		
		4b	0	22.45	19.35	5.66	110	6-19- 15		
			5	21.85						
			10	21.60	19.38	5.88	113	4-15- 10		
			13	20.85	19.38	5.06	96	19-16- 16		
	11.i	4	0	23.55	19.44	5.23	104	8-11-0	0	
				5	23.10					
				10	22.05	19.48	4.90	95	8-13-0	0
				15	21.30	19.48	4.66	89	10-15- 1	0
				19	19.70	19.50	3.98	74	48-3-0	75
			4a	0	23.60	19.40	5.30	105	7-18-1	0
		5		22.85						
		10		22.05	19.44	4.93	95	8-17-1	0	
		4b	17	20.55	19.45	4.43	85	17-9-0	0	
			0	23.70	19.40	5.01	99	7-21-0	100	
			5	23.45						
			10	21.85	19.40	4.78	92	8-15-4	5	
			12	21.55	19.40	5.23	100	11-21- 0	0	

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 17.i	4	0	24.70	19.51	4.77	97	8.10	6-9-3	0	
		5	25.40							
		10	22.45	19.46	4.73	92	8.07	10-11-1	5	
		15	21.00	19.45	3.39	64	8.11	22-13-2	5	
		19	20.50	19.45	3.27	62	8.05	44-19-0	0	
	4a	0	25.05	19.48	4.79	97	8.09	8-4-13	0	
		5	23.85							
		10	22.55	19.46	4.82	94	8.13	12-4-4	0	
		14	21.05	19.46	4.17	79	8.10	14-15-0	0	
	4b	0	25.55	19.46	4.77	98	8.07	8-13-4	0	
		6	24.80	19.46	4.82	98	8.10	6-16-4	0	
		11	22.95	19.46	4.77	94	8.12	8-15-2	10	
	7.ii	4	0	24.00	18.52	6.50	128	8.20	4-11-0	35
			5	22.45						
			10	22.20	19.14	5.76	111	8.15	6-15-11	10
15			21.70	19.37	5.41	104	7.99	20-12-4	35	
17			21.70	19.46	2.15	41	7.96	29-12-0	65	
4a		0	23.40	18.76	6.37	125	8.20	5-5-9	40	
		5	22.70							
		10	22.20	19.10	5.81	112	8.16	6-5-8	15	
4b		17	21.60	19.46	2.21	42	7.93	27-8-0	55	
		0	23.60	18.67	6.12	120	8.17	5-1-7	35	
		5	23.05							
		10	22.30	19.12	6.32	122	8.15	9-0-13	35	
13.ii	4	12	21.90	19.40	3.34	64	7.96	33-0-10	60	
		0	25.70	6.0	4.41	78		10	120	
		2	22.20	15.6	4.68	87		11	20	
		4	22.80	18.51	4.47	86		11	10	

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N		
1956 13.iii	4	6	22.60	18.95	4.29	83		9	10		
		8	22.40	19.02	4.57	88		14	10		
		10	22.20		3.81				10		
		12	21.80	19.36	2.12	41		20	20		
		14	21.70	19.39	1.99	38		23	20		
		16	21.60	19.41	1.31	25		35	45		
		4a	0	25.80	6.4	4.68	84		11	85	
			2	22.30	15.5	4.57	85		15	40	
			4	23.00	18.66	4.63	90		10	10	
			6	22.50	18.92	4.52	87		9	5	
			8	22.45	19.02	4.10	79		10	5	
			10	22.25	19.22				10		
		12	21.95	19.36	2.29	43		22	15		
		14	21.70	19.41	1.78	34		29	5		
		16	21.50	19.41	1.24	24		44	75		
		6.iii	4	0	25.10	13.0	5.23	99		7-12-1	0
				1	24.95	13.8					
				2	24.25	15.4					
3	23.25			16.60							
4	22.50			17.15							
5	22.35			17.30							
6	22.35			17.45							
7	22.40			17.75							
8	22.40			18.45							
9	22.30			19.10							
10	22.15			19.20	3.43	65		13-4-6	110		
11	22.10			19.25							
12	21.90			19.35	2.16	41		20-16-	170		
								0			
13	21.80			19.40	1.17	22		27-5-5	190		
14	21.60			19.45							
15	21.55			19.45	0.19	4		59-4-0	190		
16	21.35			19.50							
17	21.25	19.50	0.27	5		64-13-	200				
						8					
18	21.10	19.50									

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 6.iii	4a	0	25.40	9.4	5.82	107		8-5-17	15	
		1	25.20	10.4						
		2	23.90	14.7						
		3	23.20	16.10						
		4	22.80	17.20						
		5	22.55	17.35						
		6	22.45	17.45						
		7	22.45	17.85						
		8	22.45	18.60						
		9	22.35	19.10		2.49	47		15-7-3	140
		10	22.20	19.20						
		11	22.00	19.30		2.27	43		20-17	50
		12	21.85	19.40						
		13	21.70	19.45		1.23	24		28-14- 5	150
		14	21.50	19.50						
		15	21.40	19.50		0.38	7		67-3-7	110
	4b	0	25.60	7.4	5.48	99		8-19-3	15	
		1	25.50	8.2						
		2	23.00	14.7						
		3	22.75	15.7						
		4	22.80	16.70						
		5	22.80	17.35						
		6	22.70	17.60		2.44	46		8-16-0	65
		7	22.60	17.95						
		8	22.30	19.05		1.12	21		21-8-6	150
		9	22.20	19.20						
		10	22.05	19.25		1.01	19		26-6-7	25
11	21.85	19.30								
7.iii	4	0	27.15	12.4	5.67	110		5-11-3	20	
		1	25.45	14.0						
		2	24.65	14.9						
		3	23.75	16.05						
		4	22.80	17.07						

Location: PORT HACKING .

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 7.iii	4	5	22.40	17.32						
		6	22.40	17.45						
		7	22.40	17.72						
		8	22.40	18.55						
		9	22.40	19.12	3.09	59		10-14- 0	95	
		10	22.20	19.20						
		11	22.10	19.25	1.76	34		18-11- 6	120	
		12	22.00	19.33						
		13	21.75	19.40	1.01	19		25-14- 0	120	
		14	21.60	19.47						
		15	21.50	19.50	0.32	6		42-17- 0	140	
		16	21.40	19.50						
		17	21.25	19.50	0.32	6		59-23- 0	85	
		18	21.20	19.50						
		19	21.05	19.50	0.06	1		82-15- 2	75	
		20	20.95	19.52						
		6	0	27.15	11.6	5.49	106		4-5-0	130
			1	25.60	12.8					
			2	24.80	13.9					
	3		24.10	15.0						
	4		23.50	15.9						
	5		22.50	16.95						
	6		22.40	17.10						
	7		22.40	17.25						
	8		22.40	17.50						
	9		22.30	17.73						
	10		22.30	18.30						
	11		22.20	18.70	3.18	60		13-7-0	120	
12	22.10		19.12							
13	22.00		19.27	0.49	9		36-13- 0	170		
14	21.95	19.37								

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 7.iii	6	15	21.80	19.42	0.52	10		36-15-4	160
		16	21.80	19.45					
		17	21.80	19.45	0.28	5		40-16-0	190
		18	21.75	19.45					
14.iii	4	0	22.85	14.4	4.91	91		6-9-0	10
		5	22.10	17.23	3.97	75		8-9-0	20
		7	21.95	17.68	3.25	61		9-4-2	35
		9	22.00	18.37	1.48	28		17-10-8	95
		11	22.00	19.26	0.37	7		28-13-0	110
		13	21.90	19.32	0.29	6		38-2-15	80
		15	21.60	19.41	0.17	3		57-6-5	55
		17	21.45	19.41	0.09	2		67-8-7	30
		19	21.10	19.46	0.06	1		123-14-16	0
19.iii	4	0	20.65	14.0	4.91	87	8.21	7-11-0	10
		2	21.60	17.19	4.41	82	8.10	8-16-17	10
		4	21.45	17.19	4.56	85	8.13	9-9-1	10
		6	21.45	17.49	4.02	75	8.07	11-10-0	20
		8	21.50	17.99	2.66	50	7.95	16-9-0	60
		10	21.90	18.89	0.50	10	7.82	28-15-0	85
		12	21.60	19.29	0.22	4	7.74	40-10-9	45
		14	21.35	19.39	0.22	4	7.73	72-11-9	15
		16	21.20	19.44	0.11	2	7.75	92-22-3	0
		18	21.00	19.44	0.06	1	7.75	117-17-16	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 19.iii	4a	0	21.20	14.4	5.08	92	8.14	3-18-0	0	
		2	21.70	16.74	4.52	84	8.17	6-15-2	10	
		4	21.60	17.29	4.21	79	8.14	8-18-5	10	
		6	21.55	17.59	3.41	64	8.06	10-12- 2	30	
		8	21.80	17.99	1.69	32	7.84	16-10- 5	80	
		10	22.00	18.95	0.55	11	7.79	30-13- 5	75	
		12	21.80	19.29	0.14	3	7.78	35-11- 8	65	
		14	21.55	19.37	0.14	3	7.78	49-22- 22	10	
		16	21.00	19.44	0.14	3	7.81	91-11- 8	0	
	4b	0	21.45	13.6	4.99	90	8.21	3-23- 11	15	
		2	22.05	16.79	4.32	81	8.08	7-15-2	20	
		4	22.15	17.34	2.85	54	8.02	8-37-8	50	
		6	21.95	17.34	2.90	55	7.99	7-30- 22	35	
		8	22.15	17.74	2.01	38	7.92	11-21- 0	50	
		10	21.80	19.09	0.22	4	7.80	37-18- 6	60	
	22.iii	4	0	21.60	14.7	5.09	92	7.75	5-18-2	20
			2	21.70	16.89	4.56	85	8.18	5-16-0	60
			4	21.70	17.19	4.23	79	8.12	8-13-1	50
6			21.65	17.63	3.37	63	8.03	12-0-0	40	
8			21.75	18.09	1.91	36	7.95	18-12- 1	85	
10			22.00	19.17	0.25	5	7.78	30-13- 2	110	
12			21.70	19.31	0.55	11	7.76	45	45	

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₁	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 22.iii	4	14	21.45	19.39	0.48	9	7.76	60	30
		16	21.30	19.41	0.12	2	7.77	95	20
		18	21.15	19.41	0.06	1	7.77	113-0- 0	20
	4a	0	21.95	11.2	5.03	89	8.22	3-13-0	120
		2	21.75	16.34	4.91	91	8.14	5-12-0	10
		4	21.60	17.19	3.85	72	8.10	7-12-1	30
		6	21.60	18.03	3.24	61	8.05	8-4-0	120
		8	21.80	18.21	1.09	21	7.84	19-0-0	110
		10	21.80	19.09	0.24	5	7.78	35-15- 0	100
		12	21.65	19.34	0.30	6	7.78	48-11- 6	75
		14	21.20	19.23	0.32	6	7.77	73-14- 1	20
	4b	16	21.15	19.21	0.12	2	7.76	97-6-5	0
		0	22.60	6.2	4.49	76	8.20	3	25
		1	22.10	16.59	4.49	84	8.16	4-15-2	15
		3	22.30	17.29	2.71	51	7.94	8-9-2	65
		5	22.15	17.49	1.99	38	7.88	12-12- 1	90
		7	22.00	17.94	1.13	21	7.82	16-4-0	110
9		21.90	19.04	0.32	6	7.72	35-8-0	70	
11	21.60	19.21	0.41	8	7.72	47-5-3	30		
26.iii	4	0	22.50	16.44	4.78	90		2-13-0	10
		2	22.40	17.63	4.78	91		5-13-0	15
		4	22.45	17.65	4.54	86		5-20-0	25
		6	22.40	17.87	4.08	78		9-9-2	20
		8	22.15	18.00	2.96	56		22 *	
		10	22.10	18.60	1.02	20		23-11- 6	80
		12	21.75	19.29	0.38	7		36-3-4	25
		14	21.50	19.40	0.38	7		60-0-5	15
		16	21.20	19.46	0.06	1		100-0- 0	15
								* Total P.	

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 26.iii	4	18	21.05	19.48	0.06	1		128-4-5	15	
	4a	1	22.80	16.54	4.54	86		5-8-2	20	
		3	22.50	17.45	4.44	84		6-10-2	15	
		5	22.35	17.64	3.89	74		8-14-1	20	
		7	22.20	17.84	2.69	51		10-11-0	65	
		9	22.10	18.10	1.53	29		17-14-1	100	
		11	22.00	19.24	0.29	6		36-7-3	100	
		13	21.65	19.41	0.29	6		60-0-0	35	
		15	21.40	19.42	0.06	1		90-0-0	15	
		4b	0	22.80	15.4	4.44	83		3-6-0	10
			1	22.90	16.85	4.46	85		4-11-0	10
	3		22.50	17.46	4.14	78		4-11-2	10	
	5		22.25	17.50	3.66	69		6-14-0	20	
	7		22.15	17.75	1.76	33		11-7-5	75	
	9		22.00	18.63	0.49	9		28-6-2	70	
	11		21.80	19.27	0.29	6		28-21-1	30	
		12	21.60	19.40						
	29.iii	4	0	23.05	17.05	4.77	91		8-7-0	0
			2	22.60	17.56	4.69	90		11-6-3	0
			4	22.40	17.73	4.38	83		9-11-0	0
6			22.40	17.84	4.33	83		11-4-0	0	
8			22.25	17.98	4.38	83		15-2-6	0	
10			22.15	18.31	2.86	54		23-0-0	30	
12			22.10	18.76	0.43	8		32-5-8	95	
14			21.60	19.38	0.11	2		52-0-0	0	
16			21.20	19.44	0	0		106-3-2	0	
18			21.10	19.44	0	0		127-20-6	0	
6		0	22.90	15.9	4.62	87		4-14-0	0	
		2	22.60	17.37	4.43	84		9-13-0	5	

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 29.iii	6	4	22.60	17.41	4.56	87		8-11-4	0
		6	22.50	17.52	4.49	85		10-8-2	0
		8	22.40	17.66	4.40	83		10-7-2	0
		10	22.40	17.69	4.03	77		11-12- 5	10
		12	22.30	17.89	4.19	80		12-9-2	5
		14	22.00	18.47	2.76	52		9-21-0	0
		16	21.80	19.19	0.52	10		25-12- 0	85
		18	21.70	19.32	0.34	7		30-6-6	40
		20	21.60	19.38	0.26	5		41-15- 0	40
		3.iv	4	0	22.70	17.20	4.77	91	
1	22.00			17.25	4.97	94		6-10-5	0
3	22.40			17.25	4.91	93		5-12-0	15
5	21.70			17.45	4.78	90		5-7-4	0
7	21.70			17.75	4.16	78		9-5-7	0
9	21.50			17.85	4.03	76		8-9-1	5
11	21.00			18.20	3.80	71		9-14-5	5
13	21.90			19.25	0.29	6		44-17- 0	30
6	15		21.60	19.40	0.16	3		44-16- 0	0
	17		21.30	19.40	0	0		115-18- -8	0
	0		22.60	16.70	5.24	99		5-1-0	0
	1		22.70	16.85	5.18	98		4-5-2	0
	3		22.50	17.50	3.85	73		10-15- 0	15
	5		22.10	17.55	3.94	74		7-16-2	15
	7		22.10	17.55	4.53	86		4-21-1	5
6	9	21.90	17.65	4.56	86		5-20-0	5	
	11	21.70	17.85	4.23	80		8-12-6	5	
	13	21.60	18.50	3.43	65		10-18- 2	65	
	15	21.60	18.55	2.20	42		18-13- 0	40	

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N		
1956 3.iv	6	17	21.70	19.15	0.56	11		25-15- 0	15		
		19	21.80	19.25	0.40	8		34-9-3	65		
6.iv	4	0	22.30	17.55	4.65	88		5-5-4	10		
		2	22.15	17.65	4.65	88		7-6-6	5		
		4	22.10	17.65	4.47	85		5-4-2	0		
		6	21.90	17.95	4.59	87		5-7-0	0		
		8	21.80	18.10	4.42	84		12-1-3	5		
		10	21.80	18.30	4.02	76		9-4-4	5		
		12	21.80	19.20	0.72	14		44-4-2	10		
		14	21.45	19.40	0	0		74-11- 0	10		
		16	21.20	19.45	0	0		110-9- 0	0		
		18	21.10	19.50	0	0		144-2- 0	0		
		6	6	1	22.50	16.90	4.77	90		3-2-1	5
				3	22.20	17.30	4.43	84		5-0-2	5
				5	22.00	17.70	4.49	85		6-0-0	5
				7	22.00	17.75	4.47	84		6-1-2	0
9	22.00			17.95	4.59	87		8-0-1	5		
11	21.90			18.10	4.37	83		10-0-0	20		
13	21.70			18.25	3.73	71		11-7-0	60		
15	21.60	18.85	2.46	47		18-7-0	130				
10.iv	4	0	22.50	18.00	4.71	90		4-6-0	0		
		1	22.50	18.05	4.71	90		6-8-0	0		
		3	22.50	18.15	4.71	90		6-9-2	0		
		5	22.40	18.20	4.65	89		6-11-2	0		
		7	22.30	18.25	4.47	85		7-7-1	5		
		9	22.10	18.35	4.27	81		8-7-2	5		
		11	21.90	18.45	3.64	69		17-1-3	15		
		13	21.90	18.90	1.82	35		35-1-3	40		
		15	21.70	19.30	0.72	14		80-0-0	0		
		17	21.40	19.30	0.17	3		115-0- 14	0		

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N		
1956 10.iv	6	0	22.30	17.20	4.68	88		4-16-2	0		
		1	22.60	17.80	4.51	86		6-17-0	0		
		3	22.50	18.00	4.51	86		6-17-0	0		
		5	22.50	18.10	4.51	86		7-26-9	0		
		7	22.30	18.15	4.47	85		7-13-0	0		
		9	22.20	18.15	4.51	86		5-20-2	5		
		11	22.00	18.20	4.51	86		5-17-0	0		
		13	22.00	18.35	4.37	83		9-27-0	5		
		15	22.00	18.50	2.96	56		15-13-0	25		
		17	22.00	18.75	1.41	27		21-0-0	75		
		19	21.80	19.20	0.17	3		58-0-11	5		
		21	21.70	19.20	0.17	3		62-0-0	0		
		12.iv	4	0	22.10	18.19	5.02	96		5-26-3	5
2	22.10			18.24	5.02	96		5-20-1	0		
4	21.60			18.24	4.95	94		5-25-0	0		
6	21.50			18.44	4.59	87		11-21-4	0		
8	21.20			18.47	4.59	86		11-22-0	0		
10	21.20			18.55	4.53	85		12-22-5	0		
12	21.20			18.64	4.53	85		14-29-0	10		
14	21.60			19.22	0.58	11		53-26-6	5		
16	21.40			19.34	0.52	10		106-57-11	10		
18	21.20			19.36	0.17	3		109-57-22	30		
6	6			0	22.10	17.98	4.87	93		5-25-0	5
				2	22.20	18.04	4.95	94		5-23-3	20
				4	22.20	18.20	4.37	83		12-22-3	0
		6	21.90	18.29	4.32	82		9-20-0	0		
		8	21.80	18.33	4.32	82		9-19-0	5		
		10	21.70	18.40	4.15	79		11-21-0	5		

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 12.iv	6	12	21.40	18.47	4.21	80		11-23-0	10
		14	21.30	18.52	4.08	77		11-20-3	5
		16	21.40	18.60	3.90	74		15-29-0	10
		18	21.50	18.80	2.58	49		29-17-17	60
		20	21.70	19.07	1.55	30		39-19-16	65
		22	21.70	19.07	0.17	3		71-14-21	65
17.iv	4	0	20.90	18.50	4.79	90		7-17-8	0
		2	20.80	18.62	4.77	89		8-23-0	5
		4	20.60	18.65	4.77	89		9-18-5	5
		6	20.70	18.69	4.65	87		7-19-6	0
		8	20.80	18.70	4.65	87		6-29-0	5
		10	20.80	18.72	4.59	86		5-23-1	10
		12	20.80	18.82	4.49	84		9-25-9	5
		14	20.70	18.95	4.02	76		22-30-5	10
	16	21.40	19.38	0.25	5		112-38-0	0	
	18	21.20	19.40	0	0		123-44-0	0	
	6	0	21.10	18.50	4.41	83		7-31-1	15
		2	21.20	18.58	4.41	83		7-30-1	15
		4	21.20	18.62	4.27	81		7-35-0	5
		6	21.00	18.62	4.41	83		6-18-0	10
		8	21.00	18.65	4.46	84		6-19-0	15
		10	21.20	18.65	4.41	83		7-23-0	10
		12	21.20	18.72	4.21	80		9-18-0	15
		14	21.00	18.75	4.37	82		9-20-2	10
		16	20.90	18.78	4.37	82		9-20-6	5
		18	20.90	18.79	4.41	83		8-13-5	15
20		20.80	18.80	4.53	85		7-17-0	5	

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 23.iv	4	0	19.10	18.99	4.87	89		13-28- 5	0	
		2	19.00	19.01	4.82	88		14-22- 3	10	
		4	18.80	19.03	4.76	87		17-20- 0	5	
		6	18.70	19.03	4.82	88		16-29- 0	5	
		8	18.70	19.05	4.87	89		14-19- 3	5	
		10	18.40	19.05	4.87	88		14-14- 0	0	
		12	18.40	19.08	4.78	87		14-17- 0	10	
		14	18.40	19.08	4.72	86		14-21- 8	5	
		16	18.30	19.12	4.84	88		14-22- 0	0	
		18	18.20	19.14	4.82	87		11-26- 2	10	
	6	0	18.80	18.60	4.87	89		9-14-7	0	
		21	18.50	19.06	4.84	88		10-19- 4	5	
	26.iv	4	0	18.60	19.03	5.13	93		11-19- 0	15
			19	18.50	19.18	4.77	87		12-8-1	15
		6	0	18.85	18.94	5.00	91		8-10-3	10
			22	18.80	19.10	4.98	91		8-16-0	15

Location: PITTWATER - TASMANIA

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956									
26.i	2	1	20.00	18.31				7-17	0
	3	1	20.00	18.65				9-20	0
	4	1	21.10	18.16				17-46	0
23.ii	2	1	21.10	14.15				13-30	30
	3	1	21.10	16.03				14-20	30
	4	1	21.10	13.66				19-28	25
22.iii	2	1	17.80	16.00				7-19	50
	3	1	17.20	16.80				8-16	55
	4	1	17.80	16.38				27-31	25
23.iv	2	1	11.70	18.54				14-7	15
	3	1	12.20	18.70				11-10	15
	4	1	11.10	18.41				16-14	15
28.v	2	1	10.00	9.08				13-39	30
	3	1	10.00	9.67				14-38	25
	4	1	9.45	5.00				14-37	40
4.vii	2	1	6.65	14.41	7.20	98	8.23	8-21	20
	3	1	5.55	15.07	6.85	92	8.27	8-24	30
	4	1	7.80	14.77	6.88	97	8.20	15-27	30
9.viii	2	1		16.28			8.23	14-17	20
	3	1		16.49			8.24	14-10	20
	4	1		15.51			8.09	14-20	10
20.viii	2	1	8.90	15.40				13-6	0
	3	1	9.45	15.23				13-6	20
	4	1	8.90	15.43				44-4	25
14.ix	2	1	10.55	14.85			8.25	16-18	0
	3	1	10.00	14.85			8.27	14-24	10
	4	1	11.10	15.63			8.22	26-12	0
16.x	2	1	14.45	16.22			8.13	13-22	15
	3	1	13.30	16.43			8.16	19-26	10
	4	1	15.55	15.35			8.12	10-21	0

Location: PITTWATER - TASMANIA

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1956 6.xi	2	1	11.65	14.36			8.20	19-8	0
	3	1	11.10	14.82			8.21	14-16	10
	4	1	11.65	13.82			8.20	20-13	10
13.xii	2	1	18.90	17.43			8.09	24-8	0
	3	1	18.90	17.60			8.09	19-7	0
	4	1	18.90				8.07	20-52	20

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 5.i	1	0	15.25	18.60	5.48	93		8-13	0
		25	15.20	18.73	5.44	93		9-4	0
	6	0	15.00	18.37	5.48	93		9-8	0
		14	15.05	18.39	5.87	99		9	0
15.ii	1	0	18.80	17.54				14 *	
		30	17.10	19.16				24 *	
	6	0	18.70	18.63				19 *	
		15	18.60	18.74				15 *	
16.iii	1	0	16.60	18.66	5.49	96		7-10	50
		43	15.90	19.20	5.34	93		9-11	15
	6	0	16.70	19.02	5.49	96		9-2	35
		14	16.70	19.00	5.82	102		9-4	140
12.iv	1	0	16.60	19.08	5.30	93		5-16	0
		31	16.40	19.08	5.36	94		7-14	0
	6	0	16.40	19.08	5.30	93		6-23	0
		14	16.30	19.08	5.36	94		6-14	0
30.v	1	0	12.20	17.98	5.76	92		9-40	0
		50	13.50	18.42	5.64	92		10-46	0
	6	0	12.20	17.81	5.64	90		10-72	0
		15	13.40	18.72	5.42	90		10-9	0
22.vi	1	0	10.30	16.93	5.93	90		32 *	45
		50	11.40	19.12	5.83	93		12 *	45
	6	0	10.15	14.17	6.13	90		46 *	25
		14	10.90	17.92	5.91	92		21 *	45
12.vii	1	0	10.40	18.12	6.02	93		15-12	45
		50	12.30	19.10	5.66	92		14-6	50
	6	0	9.80	17.27	6.36	96		13-9	45
		15	10.40	17.85	6.12	94		12-10	50
								* Total P.	

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 31.viii	1	0	9.80	17.42	6.30	95	8.28	14-5	35
		44	11.20	19.23	5.83	93	8.20	16-6	50
	6	0	10.40	16.53	6.35	96	8.25	14-8	20
		13	10.30	18.08	6.16	95	8.17	14-4	20
21.ix	1	0	11.10	18.38	6.23	98	8.34	5-12	0
		40	11.40	19.19	6.07	97	8.29	32-50	45
	6	0	11.20	18.31	6.23	98	8.30	10-5	0
		15	11.20	18.34	6.45	101	8.29	7-11	0
18.x	1	0	12.30	18.68	5.88	95	8.23	11-2	0
		45	11.90	19.14	5.77	93	8.19	13-8	0
	6	0	12.00	18.79	6.07	98	8.18	11-3	0
		15	12.00	18.88	6.07	98	8.17	12-2	0
13.xi	1	0	12.80	17.78	5.83	94	8.21	10-7	0
		46	12.30	19.17	5.83	95	8.18	12-5	0
	6	0	12.90	17.39	6.00	96	8.21	10-7	0
		16	12.60	18.03	5.83	94	8.18	12-5	0
13.xii	1	0	15.40	17.92	5.83	99	8.12	9-1	0
		47	14.40	19.19	5.71	96	8.11	15-0	10
	6	0	15.60	18.06	5.83	97	8.11	11-1	0
		16	13.00	18.84	5.80	95	8.12	13-3	0

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N			
1956 14.ii	3	0	20.70	19.12	4.98	94		0-8	0			
		2	20.70		5.17		0-6	0				
		4	20.70		5.24		2-1	0				
		6	20.60		5.24		2-1	0				
		9	20.60		19.16		5.17	97	2-5	0		
	3a	0	20.85	18.85	4.79	91		3-12	0			
		2	20.45		4.93		5-5	0				
		4	20.30		4.93		4-6	5				
		6	20.30		4.84		4-4	0				
		8	20.10		4.79		6-2	0				
		10	20.15		4.67		4-6	0				
		12	20.15		4.67		3-7	0				
		14	20.45		4.67		3-6	30				
		16	20.40		19.16		4.55	85	5-3	0		
		4	0		21.00		18.80	5.74	108		6-8	0
	2		20.35	5.16	5-7	35						
	4		20.25	4.92	2-6	0						
	6		20.20	4.98	7-8	0						
	8		20.15	4.17	4-7	10						
	10		20.00	4.72	5-11	0						
	12		20.35	4.48	6-8	0						
	14		20.25	4.28	7-1	0						
	16		20.15	3.84	10-0	0						
	18		20.15	3.64	11-0	0						
	20		20.15	19.41	3.74	70		11-0		0		
	4a		0	20.30	18.72	4.37		81			10-8	0
			2	20.30		4.55				12-4	0	
		4	20.00	4.48		10-5	0					
		6	20.00	4.37		10-2	0					
		8	19.95	4.37		11-7	0					
		10	19.90	4.22		11-6	0					
		12	19.75	4.28		11-4	0					
	14	19.60	19.07	3.64	67	16-1	0					

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N			
1956 14.ii	4b	0	20.85	18.53	4.67	88		10-10	0			
		2	20.75		4.72		10-9	0				
		4	20.30		4.61		10-5	0				
		6	20.15		4.42		8-10	0				
		8	19.95		4.48		10-6	0				
		10	19.75		4.16		12-4	0				
		12	19.75		2.68		16-8	0				
		5	0		20.85		18.53	4.42	83		10-8	0
			2		20.95			4.48		11-5	0	
			4		20.80			4.55		11-6	0	
			6		20.75			4.48		12-8	0	
			8		20.00			4.55		11-8	0	
	10		19.65	3.74	18-1	0						
	6	0	21.00	18.28	4.61	86		12-16	0			
		2	21.00		4.67		12-8	0				
		4	20.00		4.34		11-10	0				
		6	19.50		3.90		72	11-9	0			
		7	0		20.20		17.45	3.64	67		15-14	0
			1		20.15			3.84		16-10	0	
	2		20.15	3.46	64	18		0				
	26.iii	3	0	19.50	19.53	4.95	92		0-22	0		
			2	19.20		5.04		0-13	0			
			4	19.20		5.04		1-12	0			
			6	19.25		4.99		2-8	0			
9			19.25	4.48		83		2-10	0			
3a		0	19.60	19.38	5.04	94		3-16	0			
		2	19.40		5.06		3-14	0				
		4	19.35		5.31		3-12	0				
		6	19.35		5.20		5-10	0				
		8	19.35		5.61		4-13	0				
		10	19.35		4.91		2-8	0				
		12	19.40		4.94		3-9	0				
		14	19.35		4.94		0-10	0				
		16	19.20		4.75		88	2-8	0			
							19.77					

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 26.iii	4	0	20.05	19.38	5.27	99		4-12	0
		2	19.75		5.41		4-11	0	
		4	19.60		5.37		4-11	0	
		6	19.00		5.20		4-14	0	
		8	19.15		4.84		4-12	0	
		10	19.20		4.44		4-10	0	
		12	19.15		4.54		2-12	0	
		14	19.15		4.57		4-11	0	
		16	19.20		4.66		5-1	0	
		18	19.30		4.66		0-3	0	
	20	19.20	19.87	4.61	86	2-2	0		
	4a	0	20.25	19.33	5.04	95		4-11	0
		2	19.40		5.16		2-15	0	
		4	19.35		5.13		6-10	0	
		6	19.05		4.95		4-12	0	
		8	19.15		4.57		4-6	0	
		10	19.10		4.08		3-11	0	
		12	19.10		4.64		2-9	0	
	14	19.05	19.62	4.36	81	3-10	0		
	4b	0	20.35	19.28	5.27	99		5-10	0
		1	19.60						
		2	19.60		5.16		5-16	0	
		4	19.40		5.09		6-20	0	
		6	19.05		5.04		5-17	0	
		8	19.00		4.70		5-12	0	
		10	19.15		4.25		9-9	0	
	13	19.15	19.53	3.66	68	9-8	0		
	5	0	20.00	19.14	5.27	98		5-14	0
		1	19.55						
		2	19.40		5.41		7-15	0	
		4	19.10		4.91		13-17	0	
		6	18.90		4.78		10-8	0	
		8	18.80		4.22		12-3	0	
10	19.05	19.43	3.79	70	15-0	0			

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl %/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N			
1956 26.iii	6	0	20.55	18.74	5.01	94		12-0	0			
		1	19.60									
		2	19.40		4.89		12-0	0				
		4	19.50		4.91		11-3	0				
		6	19.00		19.14		4.57	84	13-1	0		
16.iv	3	0	19.55	19.61	4.67	87		3-12	0			
		2	19.40		4.78		7-7	0				
		4	19.60		4.78		5-8	0				
		6	19.40		4.91		7-10	0				
		9	19.40		19.66		4.72	88	2-12	0		
	3a	0	19.60	19.52	4.96	92		5-10	0			
		2	19.60		5.01		4-16	0				
		4	19.60		5.01		5-13	0				
		6	19.60		4.96		4-14	0				
		8	19.55		4.86		7-11	0				
		10	19.45		4.75		7-13	0				
		12	19.50		4.75		6-10	0				
		14	19.50		4.75		7-9	0				
		16	19.50		19.57		4.75	98	7-10	0		
		4	0		19.70		19.57	5.24	98		7-13	0
			2		19.70			5.12		6-12	0	
	4		19.60	5.20	7-12	0						
	6		19.60	5.06	4-14	0						
	8		19.50	4.98	7-10	0						
	10		19.40	4.98	3-17	0						
12	19.40		4.87	5-11	0							
14	19.60		4.87	7-8	0							
16	19.60		4.93	9-4	0							
18	19.60		4.89	7-6	0							
20	19.60		19.58	4.84	90	8-8		0				
4a	0		19.15	19.42	5.06	93				9-10	0	
	2		19.35		5.12			9-8		0		
	4	19.35	5.06		11-8		0					
	6	19.35	5.01		12-9		0					
	8	19.10	4.93		11-8		0					

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 16.iv	4a	10	19.70		4.89			9-13	0
		12	19.65		4.89			8-11	0
		14	19.60	19.57	4.75	98		0-17	0
	4b	0	18.90	19.27	5.24	96		11-6	0
		2	18.90		5.37			8-13	0
		4	19.10		5.35			10-11	0
		6	19.25		5.20			8-17	0
		8	19.25		5.04			9-13	0
		10	19.40		4.86			7-10	0
		13	19.40	19.47	4.95	92		9-13	0
	5	0	18.30	18.81	5.55	100		6-16	0
		2	18.70		5.12			0-24	0
		4	18.65		5.51			7-16	0
		6	18.80		5.40			8-12	0
		8	18.65		5.16			3-17	0
		10	18.90		5.24			1-16	0
	6	0	18.15	18.30	6.05	101		0-19	0
		2	18.65		5.77			0-25	0
		4	18.80		5.55			1-19	0
		6	18.85	19.08	5.35	98		0-20	0
	7	0	18.30	18.39	5.86	105		0-20	0
		1	18.30		5.81			0-26	0
		2	18.45		5.81			0-19	0
		3	18.55	18.69	5.65	102		0-18	0
22.v	3	0	16.65	16.09	6.52	111		0-6	0
		2	16.55		6.75			0-4	0
		4	17.20		6.45			0-8	0
		6	17.50		6.20			0-6	0
		9	17.85	18.82	5.44	105		2-4	0
	3a	0	16.40	15.62	7.26	120		0-13	0
		2	16.65		6.95			0-6	0
		4	17.25		6.49			1-2	0
		6	17.45		6.45		0-11	0	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 22.v	3a	8	17.50		5.56			2-3	0
		10	17.55		5.35			2-1	0
		12	17.45		5.25			2-2	0
		14	17.45		4.99			3-5	0
		16	17.50	18.99	4.84	86		5-12	0
	4	0	15.95	15.38	7.14	117		0-16	0
		2	16.25		7.09			0-10	0
		4	16.75		6.84			0-8	0
		6	16.55		5.90			0-6	0
		8	16.35		5.49			0-6	0
		10	16.40		5.34			2-7	0
		12	16.40		5.16			4-4	0
		16	16.45	18.87	4.72	81		10-5	0
	4a	0	16.05	15.51	6.75	123		0-18	0
		2	15.95		6.80			0-10	0
		4	16.25		6.22			0-7	0
		6	16.15		6.00			0-10	0
		8	16.15		5.31			3-6	0
		10	16.35		4.87			4-6	0
		12	16.55		4.69			8-7	0
		14	16.65	18.82	4.64	82		9-8	0
	4b	0	15.95	15.72	6.98	117		0-11	0
		2	15.95		6.70			0-8	0
		4	16.15		6.49			0-10	0
		6	16.05		5.87			1-7	0
		8	16.15		5.38			3-7	0
		10	16.30		4.78			4-7	0
		13	16.45	18.77	4.42	77		9-9	0
	5	0	15.75	16.94	6.95	118		1-17	0
		2	15.75		6.95			0-14	0
		4	15.80		6.77			0-15	0
		6	16.00		6.34			1-15	0
		8	16.15		5.16			1-15	0
		10	16.05		4.58			4-11	0
		12	16.10	18.53	4.61	78		2-12	0

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 22.v	6	0	15.60	16.89	6.00	101		0-13	0	
		2	15.45		6.13			1-16	0	
		4	16.35		5.75			1-14	0	
		6	16.05	17.56	5.38	92		2-11	0	
	7	0	15.25	14.38	6.66	108		4-18	0	
		1	15.85		5.93			4-15	0	
		2	16.05		6.51			7-15	0	
		3	16.00	16.19	5.85	98		2-17	0	
	14.vi	5	0	13.30	3.73	6.37	89		11-29	310
			1	13.35						
			2	14.10	11.69	5.96	92		10-1	140
			4	14.10	13.66	5.96	94		7-4	65
6			14.55	15.80	5.10	83		10-0	20	
8			15.35	17.12	4.45	75		22-0	25	
10			15.35	17.66	4.36	74		18-0	30	
12			15.40	17.87	4.04	69		12-0	25	
6		0	13.45	2.22	6.16	85		2-18	550	
		1	13.45							
		2	14.05	6.27	5.66	82		3-26	310	
		4	14.05	10.60	3.94	60		5-1	210	
18.vi	3	6	14.10	15.62	3.32	42		9-0	40	
		0	13.30	2.47	6.64	91		9-17	870	
		1	13.25							
		2	13.85	5.15	6.26	89		9-10	700	
		3	14.15							
		4	14.40	10.31	6.12	94		4-8	380	
		6	14.80	12.93	5.76	92		9-0	210	
		9	14.80	16.04	5.52	91		7-0	65	
	3a	0	13.05	2.34	6.75	92		15-3	1040	
		1	13.25							
		2	13.75	4.26	6.56	93		11-5	860	
		4	14.25	9.11	5.78	87		8-0	500	
	6	14.70	13.66				4-3	170		
	8	15.00	15.60	5.10	84		9-0	100		
	10	15.30	16.73	4.96	83		4-0	65		

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 18.vi	3a	12	15.50	17.33	4.84	82		8-0	45
		14	15.65	17.85	4.45	76		10-0	30
		16	15.65	18.11	4.26	73		13-0	25
	4	0	13.45	2.08	7.09	97		11-10	1100
		2	13.80	6.12	6.65	96		8-5	670
		4	14.25	9.86	6.07	92		5-4	440
		6	14.15	13.07	5.49	86		4-6	120
		8	14.95	15.04	5.20	85		4-1	65
		10	15.25	16.36	4.97	83		6-3	25
		12	15.45	17.26	4.75	80		9-0	25
		14	15.65	17.96	4.43	75		13-0	25
		16	15.80	17.96	4.18	72		9-0	25
		18	15.85	17.99	4.18	72		9-0	25
		20	15.75	18.21	3.94	74		17-0	30
	4a	0	13.30	1.71	7.09	97		16-32	900
		1	13.05						
		2	13.75	6.52	6.41	93		16-5	350
		4	13.95	9.05	5.93	88		12-3	400
		6	14.15	13.10	5.54	87		6-6	110
		8	14.95	15.38	5.13	84		4-5	50
		10	15.35	16.26	4.75	79		4-5	30
		12	15.60	17.14	4.36	74		9-0	25
	4b	14	15.65	17.82	3.73	64		13-0	25
		0	13.45	1.76	6.38	87		26-4	1020
		2	13.75	3.68	6.18	87		24-0	700
		4	14.10	9.49	5.84	88		12-0	320
		6	14.40	11.99	5.49	85		14-0	145
		8	14.85	15.04	5.13	83		6-6	80
		10	15.30	16.11	4.78	80		13-0	40
	5	13	15.65	17.75	3.98	68		18-0	25
		0	13.20	1.56	6.41	87		32-7	800
		1	13.05						
		2	13.90	3.38	6.15	86		30-0	700
4		14.10	7.20	5.69	83		20-0	500	
	6	14.40	13.17	4.99	79		12-0	110	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 18.vi	5	8	14.95	14.45	4.41	71		10-0	70	
		10	15.20	16.31	3.57	59		9-3	25	
		12	15.35	17.04	3.17	53		9-1	20	
	6	0	14.00	1.78	6.19	85		12-7	1550	
		2	13.80	4.36	5.90	83		10-8	1100	
		4	14.10	9.19	5.01	75		13-5	550	
		6	14.65	12.78	3.64	58		12-4	210	
	7	0	13.20	1.48	5.99	81		15-7	1350	
		1	12.90	1.53	5.99	81		20-3	1350	
		2	13.75	3.61	5.66	79		18-4	1250	
		3	14.05	3.85	5.49	78		20-2	1250	
	28.vi	3a	0	10.90	3.31	7.14	94		14-6	580
			2	10.75	4.06	7.26	96		11-2	500
			3	11.40						
			4	13.20	6.67	6.68	92		7-1	460
5			14.35							
6			14.35	11.45	5.40	84		8-5	400	
7			15.00							
8			15.00	15.60	4.56	75		11-1	110	
10			15.40	16.53	4.48	75		9-12	95	
12			15.60	17.62	4.50	76		7-5	70	
6.vii	3a	14	15.70	17.99	4.48	77		12-0	55	
		16	15.70	18.24	4.48	77		17-0	50	
		18	15.70	18.26	4.48	77		16-2	50	
		0	12.60	1.53	6.99	94		22-3	540	
		2	12.70	1.73	6.97	94		17-0	470	
		3	13.85							
		4	14.55	5.88	6.41	93		12-10	370	
		5	15.65							
6	15.80	10.50	5.79	91		12-0	250			
8	16.00	15.38	5.26	86		10-0	120			
10	16.00	16.72	5.03	85		9-2	100			
12	16.35	17.21	4.85	83		7-6	85			
14	16.05	17.65	4.95	85		8-3	70			
16	15.65	17.94	4.58	78		8-7	60			

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 6.vii	4b	0	12.50	1.43	6.41	86		19-0	480
		2	12.40	1.46	6.47	73		17-3	470
		3	13.05						
		4	14.25	9.01	4.95	74		16-0	330
		5	14.55						
		6	15.10	14.45	3.32	55		13-9	130
		8	15.30	14.89	3.23	53		19-7	160
		10	15.55	15.73	2.79	46		15-10	110
		13	15.70	16.92	2.79	47		16-16	95
12.vii	3	0	11.75	1.18	6.32	83		24-14	400
		2	11.65	1.18	6.40	84		28-21	320
		4	11.90	1.34	6.35	85		26-15	460
		5	14.35						
		6	15.00	8.76	5.22	79		24-5	250
		9	15.35	12.81	4.43	71		24-9	130
	3a	0	11.65	1.18	6.44	85		23-16	420
		2	11.75	1.18	6.32	83		28-8	420
		4	12.15	1.70	6.35	83		27-14	400
		5	14.35						
		6	15.00	8.48	5.10	77		23-10	250
		8	15.25	13.70	4.05	66		20-10	140
		10	15.50	13.60	3.50	57		24-2	140
		12	15.60	15.83	3.47	56		22-6	110
		14	15.65	17.11	3.08	52		21-9	90
		16	15.65	18.19	2.77	47		30-8	70
	4	0	11.65	1.08	6.30	83		26-16	400
		2	11.55	1.08				23-14	420
		4	11.90	1.08	6.35	84		29-3	440
		5	14.35						
		6	14.90	7.75	5.32	80		26-14	300
		8	15.25	12.66	4.05	65		24-3	170
		10	15.40	13.68	4.01	65		21-6	150
		12	15.65	16.03	3.23	54		23-4	90
14		15.65	17.39	2.93	50		25-8	90	
16		15.65	17.78	2.99	51		26-3	85	
18		15.65	18.00	2.60	44		26-6	80	
20		15.65	18.13	2.60	44		30-1	90	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 12.vii	4a	0	11.80	0.98	6.36	84		34-10	420	
		2	11.70	1.03	6.36	84		30-15	480	
		4	11.90	1.13	5.94	78		30-11	440	
		5	14.50							
		6	14.75	8.60	4.45	67		29-0	250	
		8	15.25	8.55	4.43	68		29-7	230	
		10	15.50	13.75	3.18	52		28-7	140	
		12	15.70	13.80	2.79	45		27-6	110	
		13	15.70	15.14	2.30	38		41-10	100	
		4b	0	11.60	0.93	6.43	84		18-17	460
			2	11.60	0.93	6.43	84		21-22	460
			4	12.05	1.18	6.43	85		24-9	500
			5	14.15						
	6		14.70	5.67	5.29	77		29-8	350	
	8		15.20	10.89	3.37	53		31-9	160	
	10		15.65	15.07	2.33	39		30-7	100	
	13		15.65	16.52	2.01	34		30-8	90	
	5		0	11.65	0.93	6.49	96		25-19	400
			2	11.65	0.93	6.64	87		28-15	460
			4	12.35	3.64	6.49	88		24-15	350
			5	14.35						
			6	14.75	6.79	4.11	61		28-7	320
		7	15.25							
		8	15.30	11.01	3.58	56		31-11	160	
		10	15.55	12.14	2.82	45		37-1	170	
		12	15.55	15.27	1.84	30		39-1	100	
		6	0	11.80	0.82	6.44	85		25-17	420
			2	11.70	0.85	6.36	83		25-18	480
			3	11.80						
			4	13.30	3.77	5.35	74		27-10	410
	5		14.40							
	6		14.85	5.52	3.53	52		33-17	380	
	7		0	11.55	0.77	6.49	85		24-21	570
		1	11.45	0.77	6.69	87		28-10	540	
		2	11.45	0.82	6.76	88		25-14	480	
		3	11.70	0.93	6.49	85		25-22	540	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N		
1956 20.vii	3a	0	13.75	1.03	6.30	86		25-13	360		
		2	13.35	1.08	6.30	85		24-20	300		
		3	14.15								
		4	14.70	7.60	6.10	91		19-14	220		
		6	15.10	13.36	5.48	88		13-14	100		
		8	15.10	15.68	5.16	85		12-0	75		
		10	15.70	16.57	5.00	84		11-2	60		
		12	15.80	17.65	4.13	70		21-0	70		
		14	15.80	17.85	2.84	49		23-0	70		
		16	15.90	17.93	2.41	41		32-0	80		
		18	15.90	18.10	2.57	44		31-0	70		
		4b	0	13.55	1.43	5.32	73		26-22	320	
			2	13.10	1.42	6.07	82		25-21	320	
			3	13.20							
			4	14.45	6.52	5.36	78		25-7	230	
			5	14.75							
			6	15.05	11.26	3.91	61		23-8	120	
			8	15.35	14.35	2.84	46		29-2	110	
	10		15.60	16.50	1.84	31		31-7	80		
	13		15.90	17.54	1.08	18		38-4	70		
	27.vii		3a	0	13.85	1.06	5.75	79		33-11	230
				2	13.85	1.08	5.79	78		33-6	240
				4	13.95	2.00	5.72	79		32-6	230
				5	14.85						
		6		15.00	10.04	4.78	74		26-2	140	
		8		15.35	11.84	4.25	67		28-0	130	
10		15.50		15.88	3.49	58		25-0	80		
12		15.60		17.31	2.93	50		33-0	75		
14		15.70		17.36	2.67	45		38-0	85		
16		15.70		17.80	2.25	38		38-0	65		
17		15.70		18.19	1.97	34		48-0	70		
4b		0		14.10	1.03	5.87	75		31-14	220	
		2		14.10	1.03	5.93	81		30-15	210	
		4	13.65	1.29	6.06	83		26-18	200		
		5	14.40								
		6	14.90	7.60	4.16	62		34-0	130		

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 27.vii	4b	8	15.35	11.01	2.91	45		42-2	105
		10	15.65	15.54	1.27	21		50-1	65
		13	15.85	17.11	0.28	5		50-4	65
3.viii	4b	0	13.55	0.67	5.93	80		29-2	110
		2	13.40	0.67	6.06	82		33-7	110
		4	13.55	0.67	5.85	79		33-6	110
		5	14.65						
		6	15.00	4.58	4.58	67		41-0	120
		8	15.50	10.14	2.13	33		43-6	100
		10	15.55	13.08	1.82	29		51-0	85
		13	15.80	17.42	0.69	12		55-1	70
9.viii	3a	0	13.55	0.92	6.69	91		29-9	130
		2	13.40	0.90	6.57	89		26-13	120
		4	13.75	1.94	6.32	87		30-12	150
		5	15.15						
		6	15.45	10.42	4.95	77		24-3	100
		8	15.35	14.29	3.47	57		26-10	120
		10	15.65	15.28	2.11	33		28-7	140
		12	15.80	16.88	1.15	19		36-0	160
	14	15.90	17.58	0.84	14		37-5	190	
	16	15.90	17.71	0.40	7		40-6	190	
	4b	0	13.45	0.72	6.25	85		25-18	120
		2	13.40	0.77	6.48	88		26-16	140
		4	13.25	1.33	5.78	77		28	130
		5	14.80						
6		15.00	8.45	4.64	70		30-6	130	
8		15.20	12.76	2.99	48		43-6	110	
16.viii	3a	0	14.50	0.90	7.50	105		21-22	110
		2	14.85	5.50	5.72	83		19-14	110
		3	15.60						
		4	15.80	11.07	5.55	88		17-7	80
		6	15.90	13.73	5.30	86		13-5	60
		8	16.00	14.98	5.30	88		11-11	55

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 16.viii	3a	10	15.90	16.31	4.77	80		10-5	45	
		12	15.70	17.24	3.14	53		23-2	95	
		14	15.90	17.76	2.05	35		35-5	120	
		16	15.90	17.88	1.59	27		40-0	100	
	4b	0	14.75	0.87	5.72	79		28-9	160	
		2	14.50	4.18	5.48	79		27-14	110	
		4	15.25	11.90	4.25	67		25-6	120	
		6	15.35	14.21	3.00	49		27-0	160	
		8	15.35	15.57	1.62	27		44-0	170	
		10	15.65	16.46	0.74	12		69-0	90	
		12	15.85	17.15	0.51	9		70-0	60	
		13	15.90	17.47	0.46	8		63-0	30	
		14	15.90	17.44	0.63	11		64-0	45	
		18.viii	3	0	14.25	1.73	6.53	91		18-18
	2			14.45	5.75	6.33	92		16-16	130
	3			15.45						
	4			15.60	11.30	5.93	94		13-0	95
	6			15.85	12.65	5.59	90		10-3	80
9	16.25			15.62	5.30	89		10-0	35	
3a	0		13.95	1.28	6.65	91		22-16	160	
	1		13.80							
	2		14.75	3.36	6.33	90		20-15	150	
	3		15.40							
	4	15.65	14.68	5.16	85		12-10	65		
	6	15.95	13.42	5.27	86		12-11	80		
	8	15.95	15.11	5.19	86		13-0	60		
	10	15.95	16.51	4.39	75		14-0	55		
4	0	13.90	1.08	6.56	90		19-25	150		
	1	13.80								
	2	14.95	2.21	6.53	92		20-16	150		
	3	15.50								
	4	15.65	13.69	4.48	73		16-9	110		

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 18.viii	4	6	15.65	14.81	4.21	69		14-11	110	
		8	15.95	15.52	4.43	74		13-6	90	
		10	15.90	16.31	3.80	64		16-9	110	
		12	15.80	16.78	2.93	50		24-6	120	
		14	15.90	17.39	1.74	30		36-13	130	
		16	15.90	17.78	1.39	24		44-0	130	
		18	15.90	17.88	0.88	15		44-0	110	
		20	15.90	17.96	0.57	10		47-0	110	
		4a	0	13.90	1.08	6.50	89		19-17	150
			2	13.90	3.38	6.16	86		23-15	140
	3		15.20							
	4		15.50	10.55	5.55	87		18-9	130	
	6		15.50	13.09	4.23	68		19-9	150	
	8		15.50	15.15	2.74	45		27-5	200	
	10		15.70	16.21	1.99	33		42-0	170	
	12		15.90	17.08	0.94	16		57-0	120	
	14		15.90	17.37	0.88	15		59-0	100	
	4b		0	13.90	1.11	6.38	87		20-18	140
		2	13.90	2.29	6.27	87		22-13	140	
		3	15.30							
		4	15.30	12.85	4.25	68		20-7	140	
		6	15.35	12.63	3.97	63		24-8	190	
		8	15.45	15.01	2.21	36		33-5	230	
		10	15.65	16.21	1.31	22		57-0	170	
		13	15.80	16.88	0.71	12		59-5	100	
		5	0	13.55	0.96	6.25	85		20-13	140
			2	13.45	1.06	6.18	84		19-17	170
	3		14.85							
	4		15.05	13.97	2.87	46		27-9	220	
	6		15.20	13.17	2.60	42		40-3	230	
	8		15.55	15.17	1.36	22		73-0	180	
	10		15.70	16.31	0.71	12		92-0	100	
	12		15.70	16.70	0.43	7		100-0	75	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 18.viii	6	0	13.95	0.98	5.72	78		23-8	180	
		2	13.95	3.13	5.48	77		24-18	180	
		3	14.65							
		4	14.85	7.59	4.25	64		35-10	210	
		6	15.10	10.58	2.91	45		58-6	210	
	7	0	13.80	0.90	6.33	86		20-37	160	
		1	13.90	0.93	6.35	87		21-16	170	
		2	14.00	1.23	5.72	78		22-13	160	
		3	14.50	7.99	3.50	52		40-0	190	
	24.viii	4	0	13.15	1.48	7.63	103		5-24	40
			2	13.15	1.48	7.92	107		5-47	50
			3	13.35						
4			15.60	12.12	5.16	82		11-10	100	
6			15.80	12.67	4.88	79		11-11	100	
8			15.90	15.38	4.17	69		16-5	110	
10			15.85	16.16	3.57	60		20-8	150	
12			15.85	17.09	3.06	52		28-0	120	
14			15.95	17.58	1.90	33		36-5	130	
16			15.90	17.73	1.59	27		41-0	110	
18		15.90	17.82	0.91	16		49-0	100		
20		15.90	17.92	0.88	15		48-0	85		
4b		0	13.35	1.56	7.44	101		13-25	90	
		1	13.30							
		2	14.10	7.19	6.56	98		11-27	100	
		3	15.20							
		4	15.35	13.06				24-10	210	
		6	15.50	14.23	2.72	44		29-5	210	
	8	15.65	16.11	1.85	31		44-4	230		
	10	15.70	16.88	1.05	18		48-3	250		
5	0	0	13.05	1.48	7.38	100		13-11	65	
		1	13.05							
		2	14.50	7.91	4.72	70		11-28	130	
	3	3	15.15							

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 24.viii	5	4	15.30	14.25	1.68	27		56-0	230	
		6	15.45	15.33	0.88	14		58-0	250	
		8	15.65	16.24	0.68	11		68-0	240	
		10	15.65	16.88	0.43	7		78-0	150	
		11	15.70	16.90	0.43	7		83-0	160	
31.viii	4b	0	13.05	2.07	8.10	110		2-23	25	
		2	13.40	7.17	6.00	87		6-33	30	
		4	15.60	12.03	3.49	54		8-20	140	
		6	15.80	14.00	3.06	48		13-13	160	
		8	15.80	15.82	2.50	40		21-5	170	
		10	15.90	16.60	1.71	28		29-2	180	
		13	16.00	16.65	1.80	29		29-2	150	
7.ix	4	0	14.30	5.87	7.58	110		4-17	0	
		1	13.85							
		2	13.65	7.93	7.09	104		2-24	0	
		3	15.15							
		4	15.35	10.50	6.00	94		4-11	35	
		6	15.80	14.37	3.83	63		11-7	160	
		8	16.15	15.55	3.34	56		12-8	140	
		10	16.25	16.96	2.84	48		17-5	110	
		12	16.30	17.62	3.17	54		16-3	110	
		14	16.50	18.11	3.77	65		14-0	60	
	4b	4b	0	13.95	5.19	6.96	100		6-20	0
			2	14.25	6.32	6.74	98		4-20	0
			3	15.05						
			4	15.25	12.32	4.72	75		9-14	130
			6	15.65	13.28	3.31	54		11-15	150
			8	15.80	16.79	1.87	32		25-10	190
			10	16.00	17.23	1.99	34		24-3	150
			12	16.00	17.81	2.34	40		21-3	110
			13	16.00	17.86	2.79	48		19-5	110

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N		
1956 7.ix	5	0	14.50	4.95	7.45	107		3-21	0		
		1	14.25								
		2	15.10	8.54	6.38	97		4-22	0		
		4	15.50	11.79	3.90	62		9-19	150		
		6	15.80	14.47	1.87	31		22-26	240		
		8	15.90	16.39	1.14	19		37-6	250		
		9	16.10	16.49	1.34	23		35-3	220		
		10	16.10	17.28	1.16	20		38-0	190		
		14.ix	3	0	16.40	7.18	6.38	98		0-14	30
				2	16.50	12.17	6.46	105		1-11	0
3	15.80										
4	15.80			16.24	5.82	98		1-8	0		
6	15.80			16.83	5.78	98		0-11	0		
9	15.65			17.35	5.69	96		3-7	0		
3a	0		16.10	7.31	6.60	101		1-9	0		
	1		16.55								
	2		16.00	11.74	6.78	108		1-12	0		
	4		15.75	14.65	5.88	97		2-10	35		
	6		15.75	15.83	5.64	94		2-9	25		
	8		15.75	16.96	5.48	93		4-6	25		
	10		15.65	17.72	5.55	94		2-8	0		
	12		15.65	18.11	5.59	96		6-8	0		
	14		15.60	18.30	5.51	94		3-8	0		
	16		15.60	18.30	5.57	96		4-5	0		
4	0		16.65	7.56	6.93	107		3-10	25		
	1		16.20								
	2	15.80	10.57	6.82	107		5-11	20			
	4	15.55	14.07	5.64	92		6-11	45			
	6	15.35	15.98	5.16	86		5-8	35			
	8	15.95	17.03	5.00	84		10-4	40			
	10	15.95	17.60	4.83	81		10-4	35			
	12	15.75	17.84	4.72	79		8-6	30			
	14	15.75	18.16	5.05	85		6-9	0			
	16	15.75	18.30	5.16	87		4-8	0			
	18	15.75	18.33	5.27	89		5-6	20			

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 14.ix	4a	0	16.85	8.08	6.89	108		1-9	20	
		1	16.70							
		2	16.05	10.79	7.02	111		2-9	20	
		4	15.80	11.99	6.42	102		7-10	70	
		6	15.80	15.95	4.63	78		9-8	120	
		8	16.00	17.16	4.06	69		12-6	150	
		10	15.85	17.77	4.13	71		9-9	150	
		12	15.85	17.96	4.09	70		10-6	85	
		14	15.65	18.09	4.50	77		13-4	35	
		4b	0	16.90	8.47	6.77	106		4-11	0
			1	16.70						
			2	15.60	11.87	5.88	94		2-14	50
			4	15.65	14.28	4.23	69		11-9	70
			6	15.70	16.44	3.17	53		18-9	110
	8		15.85	17.45	2.87	49		17-7	120	
	10		15.85	17.84	3.29	56		16-5	80	
	13		15.80	18.11	3.75	64		14-5	30	
	5		0	16.90	8.57	6.96	110		4-14	0
			1	16.15						
			2	16.15	13.26	4.73	77		9-10	40
			4	15.80	13.56	4.38	71		6-20	45
			6	15.85	16.15	2.74	46		19-14	75
		8	16.00	17.30	2.37	40		24-5	90	
		10	16.10	17.89	2.74	47		20-5	75	
		12	16.10	18.18	3.11	54		17-5	55	
		6	0	18.10	8.82	7.10	114		2-12	0
			1	16.95						
			2	16.75	12.40	6.78	111		3-23	0
			3	16.00						
	4		16.00	14.84	3.75	62		10-30	110	
	6		16.00	16.27	2.05	35		25-16	180	
	7		0	17.30	8.42	6.68	106		4-21	25
		1	17.00	8.98	6.72	106		4-17	25	
		2	16.40	10.33	6.38	101		4-25	20	
		3	16.10	10.52	5.10	81		9-16	35	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1956 21.ix	4	0	18.15	8.45	6.10	98		2-5	0	
		2	18.05	9.96	5.68	93		2-5	0	
		3	16.95							
		4	16.65	12.61	6.64	109		2-8	0	
		5	16.15							
		6	16.00	14.37	5.17	85		4-6	30	
		8	15.80	17.07	4.34	74		7-4	55	
		10	15.80	17.78	3.89	66		12-4	70	
		12	15.80	17.96	3.89	67		10-3	50	
		14	15.75	18.03	4.01	69		10-4	50	
		16	15.75	18.21	4.10	70		10-6	30	
		18	15.75	18.31	4.17	71		12-7	30	
		4b	0	18.00	7.51	6.17	98		4-11	0
			2	17.65	11.58	6.44	106		3-10	0
			3	16.30						
			4	16.00	13.53	5.45	89		4-9	25
			6	16.00	16.21	3.90	66		11-6	75
			8	15.85	17.05	3.18	54		12-5	100
10	15.85		17.67	2.90	49		16-3	110		
13	15.80		17.98	3.40	58		12-6	80		
5	0		18.75	7.56	6.23	100		4-13	60	
	1		18.55							
	2	17.10	11.23	5.91	96		3-9	0		
	3	16.25								
	4	16.25	13.61	4.25	70		9-9	50		
	6	16.10	16.16	3.37	57		13-11	100		
	8	16.15	17.24	2.22	38		19-8	130		
	10	16.05	17.62	2.19	37		21-3	140		
	12	16.05	17.59	2.46	42		19-3	110		
	28.ix	4b	0	18.10	10.23	6.32	103		1	0
1			16.90							
2			16.85	11.58	6.32	102		1	0	
4			16.70	14.57	5.23	87		8	0	
6			16.50	16.11	4.25	72		12	20	
8			16.25	16.75	3.89	66		20	40	
10			16.25	17.71	3.29	57		22	60	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 28.ix	5	0	17.45	8.77	6.26	99		3	0
		2	17.05	11.88	5.79	95		0	0
		4	16.55	13.71	4.79	79		4	0
		6	16.30	15.96	3.53	60		8	25
		8	16.05	17.09	2.60	44		11	75
		10	15.80	17.57	2.43	41		15	65
		12	15.85	17.83	2.43	42		9	75
4.x	4	0	17.85	10.29	6.33	103		3-5	20
		2	17.80	12.03	6.06	101		5-1	0
		4	17.20	14.41	5.16	87		4-4	0
		6	16.85	16.24	4.64	79		5-2	25
		8	16.75	16.87	4.40	76		10-0	25
		10	16.65	17.76	3.99	69		11-0	50
		12	16.55	18.14	4.42	75		12-0	55
		14	16.85	18.41	3.79	66		14-1	50
		16	16.85	18.44	3.81	68		14-4	40
		18	16.80	18.50	3.88	68		17-0	45
	20	16.70	18.50	3.85	67		13-4	55	
	4b	0	18.40	9.34	6.22	101		3-8	0
		2	18.05	14.59	5.04	87		6-5	0
		3	17.40						
		4	17.00	14.64	4.87	82		5-9	0
		6	16.75	16.20	4.36	75		9-7	0
		8	16.40	17.22	3.53	61		8-4	25
		10	16.55	17.51	3.05	53		15-0	45
		12	16.50	17.98	2.81	49		19-0	75
		5	0	19.10	9.28	6.26	103		3-9
1			17.95						
2	18.25		12.61	5.34	90		4-9	0	
3	17.20								
4	17.00		14.16	3.81	64		4-9	0	
6	16.55		15.84	3.39	57		15-1	30	
8	16.40		17.61	2.25	39		20-5	55	
10	16.55		17.74	2.15	37		22-3	65	
12	16.40		17.90	2.20	38		23-2	65	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 10.x	3	0	17.05	13.16	5.99	99		5-6	0	
		2	16.60	13.71	6.17	102		5-5	0	
		4	17.05	15.15	5.84	99		4-7	0	
		6	16.95	15.84	5.56	95		4-5	0	
		9	17.00	17.07	5.30	91		8-3	0	
	3a	0	17.05	12.67	6.12	101		3-7	0	
		1	16.85							
		2	16.85	13.41	6.12	101		2-7	0	
		4	17.05	14.95	5.57	94		3-7	0	
		6	16.85	16.68	5.30	91		5-3	0	
		8	17.10	16.71	5.38	93		5-6	15	
		10	17.20	17.47	4.98	87		9-0	20	
		12	17.20	17.91	4.75	83		7-5	35	
		14	17.25	18.15	4.43	78		8-5	25	
		16	17.25	18.28	4.54	80		6-7	30	
		4	0	17.75	12.17	6.79	113		6-1	15
			1	16.60						
			2	16.25	12.81	6.33	103		4-8	30
	3		17.15							
	4		17.25	14.60	5.52	93		5-3	15	
	6		17.20	16.58	5.13	89		5-5	10	
	8		17.20	17.25	4.47	78		6-6	20	
	10		17.15	17.27	4.43	77		7-6	30	
	12		17.15	17.81	4.08	71		11-0	45	
	14		17.20	18.15	3.83	67		11-2	50	
	16		17.25	18.35	3.88	68		13-2	50	
	18		17.20	18.28	3.83	68		11-4	55	
	20		17.20	18.30	3.85	68		11-3	60	
	4a		0	17.35	11.07	6.06	99		4-10	0
		1	16.60							
		2	16.70	12.67	6.17	101		4-8	0	
		4	17.15	14.48	5.56	94		4-4	20	
		6	17.15	15.69	5.05	86		6-2	15	
		8	17.05	16.48	4.37	75		8-3	10	
		10	16.85	17.20	3.76	65		10-11	25	
		12	16.95	17.91	3.79	66		13-11	45	
		14	16.95	18.09	3.05	53		15-4	55	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 10.x	4b	0	17.70	10.55	6.15	100		2-17	0	
		1	16.75							
		2	16.55	12.00	6.06	98		3-14	0	
		3	17.10							
		4	17.20	14.24	4.84	81		4-12	0	
		6	17.00	15.18	4.15	70		8-5	0	
		8	16.90	16.56	3.46	59		8-4	15	
		10	16.90	17.42	3.27	57		10-7	40	
		13	16.85	17.66	2.75	48		14-4	50	
		5	0	17.45	10.67	6.15	100		4-11	0
			2	17.25	11.82	6.08	100		4-8	0
			4	17.25	14.11	4.72	79		5-13	0
			6	16.90	15.64	3.81	65		8-7	10
	8		16.90	16.43	2.81	48		12-8	25	
	10		16.90	17.35	2.35	41		13-6	40	
	12		16.95	17.61	2.22	39		15-8	55	
	6	0	16.65	9.56	6.42	102		3-12	0	
		1	16.65							
		2	17.25	11.10	5.84	95		3-14	0	
		4	17.05	13.86	3.99	67		4-13	0	
		6	17.00	15.08	3.30	56		8-10	0	
	7	0	16.50	6.94	6.15	94		8-8	45	
		1	17.15	8.61	5.93	94		5-11	20	
		2	17.35	9.29	5.61	90		4-12	20	
		3	17.15	10.52	4.81	78		2-20	20	
	7.xii	3	0	21.50	17.21	5.14	96		1-4	
			2	21.55	17.18	5.27	99		2-3	
			4	21.45	17.28	5.36	100		0-5	
			6	21.35	17.72	5.40	101		1-4	
			9	21.05	18.39	4.75	89		3-5	
		3a	0	21.75	17.08	5.24	98		2-4	
			2	21.40	17.08	5.36	100		1-8	
			4	21.40	17.18	5.52	103		3-2	
			6	21.40	17.18	5.33	99		2-5	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl %/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 7.xii	3a	8	21.40	17.77	5.10	96		2-1	
		10	21.05	18.06	4.95	93		3-1	
		12	20.90	18.65	4.63	87		6-0	
		14	21.00	18.68	4.50	85		8-0	
		16	21.00	18.99	4.06	77		11-0	
	4	0	22.25	16.94	5.64	106		2-12	
		2	21.55	16.99	5.59	104		4-9	
		4	21.40	16.99	5.49	102		5-11	
		6	21.50	17.23	5.27	98		3-12	
		8	21.40	17.72	5.08	96		5-1	
		10	20.95	18.14	4.59	86		5-0	
		12	20.90	18.60	4.43	83		7-1	
		14	20.90	18.84	3.93	74		7-0	
		16	20.90	18.87	3.97	75		10-0	
		18	20.90	18.99	3.85	73		8-2	
		19	20.90	18.99	3.93	74		9-0	
	4a	0	23.05	16.89	5.02	97		6-10	
		1	21.85						
		2	21.60	16.92	5.19	97		5-11	
		4	21.55	16.89	5.30	99		7-8	
		6	21.30	17.13	5.16	96		7-6	
		8	21.05	17.43	4.95	92		5-12	
		10	20.85	18.16	4.32	81		10-6	
		12	20.85	18.36	3.88	73		11-9	
	4b	14	20.85	18.65	3.77	71		11-6	
		0	22.25	16.59	5.14	98		8-5	
		2	21.80	16.69	5.19	97		8-6	
		4	21.60	16.82	5.30	99		8-5	
		6	21.55	16.94	5.16	96		7-7	
		8	21.05	17.48	4.83	90		10-8	
		10	20.80	17.97	4.09	76		11-6	
		13	20.80	18.65	3.52	66		17-5	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 7.xii	5	0	22.80	16.25	4.92	85		8-5	
		2	22.35	16.40	5.16	97		9-6	
		4	21.60	16.43	5.11	95		8-10	
		6	21.00	16.89	4.92	91		12-6	
		8	20.90	17.65	4.00	74		10-10	
		10	20.75	18.31	3.40	64		10-11	
		12	20.80	18.53	3.47	65		11-10	
	6	0	23.10	15.12	5.11	95		4-11	
		2	22.10	15.42	5.44	101		5-10	
		4	21.70	15.71	5.11	94		3-11	
		6	20.90	16.73	4.38	81		5-13	
	7	0	23.25	14.97	4.95	93		7-16	
		1	22.10	16.00	4.98	93		6-12	
		2	21.75		4.90			7-20	

Location: PEEL-HARVEY INLET

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1956 4.i	1	S	24.50	15.53	4.84	93		0-2	0
		D	23.95	19.21	5.44	109		0-0	0
	1a	S	25.25	14.69	5.57	108		0-12	0
		D	24.80	14.93	5.70	110		0-2	0
	2	S	24.55	15.92	4.95	96		0-0	0
		D	25.60	15.92	4.90	97		0-1	0
	3a	S	25.60	8.05	4.12	75		0-18	0
		D	27.85	11.71	4.38	86		0-9	0
	4	S	25.70	16.32	5.15	102		0-0	0
	5	S	26.05	1.70	5.09	86		0-14	2
	7	S	24.90	12.25	5.15	97		0-7	0
		D	24.15	12.55	5.15	96		1-0	0
	7a	S	25.10	11.96	5.03	94		0-5	0
	8	S	26.20	0.67	5.15	87		2-24	0
		D	27.90	9.61	2.41	46		0-18	0
	9	S	26.10	0.36	5.20	88		0-15	5
31.i	1	S	25.70	20.14	5.02	104		0-11	0
		D	25.70	20.14	5.02	104		0-10	0
	1a	S	25.20	19.56	5.02	103		0-9	0
		D	25.00	19.65	4.61	94		0-15	0
	2	S	27.10	18.19	4.37	91		0-11	0
		D	27.00	18.19	4.84	100		0-8	0
	3a	S	29.60	11.36	5.93	118		1-16	0
		D	29.90	13.35	5.44	112		0-13	0
	4	S	27.25	18.58	5.61	115		0-5	0
	5	S	29.15	7.34	4.88	97		0-13	0
	7	S	26.70	17.01	4.79	97		0-3	0
		D	26.60	17.01	4.37	89		0-5	0
	7a	S	26.10	17.84	3.64	74		0-9	0
	8	S	30.10	5.21	5.52	104		0-13	0
		D	31.40	15.33	2.84	61		0-12	0
	9	S	28.00	0.29	4.42	77		0-13	0

Location: PEEL-HARVEY INLET

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1956 13.iii	1	S	21.60	19.09	4.36	83		0-8		
		D	21.80	19.23	4.38	84		1-0		
	1a	S	22.70	19.43	4.36	85		0-7		
		D	22.60	19.38	4.95	97		0-5		
	2	S	24.20	19.22	5.49	110		0-0		
		D	24.20	19.27	5.16	103		4-0		
	3a	S	22.25	12.83	4.60	83		6-0		
		D	23.05	15.20	4.48	84		8-7		
	5	S	24.75	4.90	6.22	108		0-3		
	7	S	23.90	18.64	5.04	100		6-5		
		D	23.25	18.74	4.77	93		0-11		
	8	S	25.60	2.66	6.86	118		0-3		
		D	28.20	16.24	3.47	72		0-9		
	9	S	23.00	0.21	5.08	81		0-0		
	10.v	1	S	16.80	19.27	5.49	95		4-0	0
			D	16.80	19.30	5.49	95		8-6	0
		1a	S	17.00	19.03	6.12	108		3-0	0
			D	17.05	19.08	6.16	109		0-3	0
2		S	15.90	19.12	5.54	96		4-0	0	
		D	15.80	19.12	5.56	96		4-0	0	
3a		S	15.35	11.54	5.60	103		3-13	0	
		D	16.00	12.84	5.60	91		4-5	0	
5		S	15.50	2.21	5.93	85		5-6	0	
7		S	15.85	18.76	5.62	95		0-2	0	
		D	15.80	18.78	5.58	96		4-2	0	
8		S	15.65	1.29	5.87	83		4-4	0	
		D	19.40	16.27	2.66	48		3-8	0	
9		S	14.15	0.26	6.64	91		2-4	0	

OCEANOGRAPHICAL STATION LISTS

1. Hydrological and planktological observations by F.R.V. *Warreen* in south-eastern Australian waters, 1938-39
2. Hydrological and planktological observations by F.R.V. *Warreen* in south-eastern Australian waters, 1940-42
3. Hydrological and planktological observations by F.R.V. *Warreen* in south-western Australian waters, 1947-50
4. Onshore hydrological investigations in eastern Australia, 1942-50
5. Estuarine hydrological investigations in eastern Australia, 1940-50. Queensland: Nerang and Coomera Rivers, Moreton Bay and Brisbane River, Logan River, Dunwich Oyster Lease; New South Wales: Richmond River, Clarence River, Macleay River, Hastings River, Manning River, Port Stephens, Tilligerry Creek, Hawkesbury River
6. Estuarine hydrological investigations in eastern Australia, 1940-50. New South Wales: Middle Harbour and Port Jackson, Georges River-Botany Bay
7. Estuarine hydrological investigations in eastern Australia, 1940-50. New South Wales: Port Hacking, Lake Illawarra, Shoalhaven River, Jervis Bay, Clyde River, Moruya River, Tuross River, Wagonga Inlet; Victoria: Port Phillip; Tasmania: Tamar River, Derwent River, Huon River, D'Entrecasteaux Channel, Pittwater, Lake Dobson (freshwater), Penna Dam (freshwater)
8. Hydrological investigations in south-western Australia, 1944-50
9. Records of twenty-four hourly hydrological observations at selected stations in eastern Australian estuarine systems, 1942-50. Queensland: Logan River; New South Wales: Richmond River, Clarence River, Macleay River, Hastings River, Manning River, Port Stephens, Hawkesbury River, Georges River, Port Hacking, Clyde River, Tuross River; Tasmania: Tamar River, Derwent River
10. Records of twenty-four hourly hydrological observations at Shell Point, Georges River, New South Wales, 1942-50
11. Analyses of bottom deposits in eastern Australia, 1946-50
12. Estuarine hydrological investigations in eastern and south-western Australia, 1951
13. Analysis of bottom deposits in eastern and south-western Australia, 1951 and records of twenty-four hourly hydrological observations at selected stations in eastern Australian estuarine systems, 1951
14. Onshore hydrological investigations in eastern and south-western Australia, 1951
15. Estuarine hydrological investigations in eastern and south-western Australia, 1952
16. Analysis of bottom deposits in eastern and south-western Australia, 1952 and records of twenty-four hourly hydrological observations at selected stations in eastern Australian estuarine systems, 1952
17. Onshore hydrological investigations in eastern and south-western Australia, 1952
18. Onshore hydrological investigations in eastern and south-western Australia, 1953
19. Onshore planktological investigations in eastern Australia, 1945-54
20. Surface sampling in the Tasman Sea, 1953
21. Estuarine hydrological investigations in eastern and south-western Australia, 1953
22. Further onshore planktological investigations in eastern Australia, 1945-54
23. Planktological investigations made by F.R.V. *Derwent Hunter* in eastern Australian waters, 1952-54
24. Onshore hydrological investigations in eastern and south-western Australia, 1954
25. Surface sampling in the Tasman Sea, 1954
26. Estuarine hydrological investigations in eastern and south-western Australia, 1954
27. Onshore and oceanic hydrological investigations in eastern and south-western Australia, 1955
28. Surface sampling in the Tasman and Coral Seas, 1955

OCEANOGRAPHICAL STATION LISTS

(Continued)

29. Estuarine hydrological investigations in eastern and south-western Australia, 1955
30. Onshore and oceanic hydrological investigations in eastern and south-western Australia, 1956.
31. *Surface sampling in the Tasman and Coral Seas and the south-eastern Indian Ocean, 1956*
32. Estuarine hydrological investigations in eastern and south-western Australia, 1956