

OCEANOGRAPHICAL STATION LIST

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

Volume 21

Estuarine Hydrological Investigations in
Eastern and South-western Australia, 1953

Compiled by D. J. Rochford and R. Spencer

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH
ORGANIZATION, AUSTRALIA
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ESTUARINE HYDROLOGICAL INVESTIGATIONS IN EASTERN AND SOUTH-WESTERN
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I. INTRODUCTION

The hydrological data contained in this volume were collected from estuarine systems in New South Wales, Tasmania, and south-western Australia during 1953.

The records of continuous twenty-four hour sampling at selected sites and of the analyses of bottom deposits are also given.

Sampling in Lake Macquarie was commenced in June 1953, and the results to the end of the year are listed.

II. METHODS

Methods of collection and analysis are those given by Rochford (1951).

III. TIDAL CORRECTIONS

The data in this volume have not been corrected to a constant tidal phase.

IV. UNITS

Units are those given by Rochford (1951). All depths are given in metres unless otherwise stated.

V. LOCATION OF STATIONS

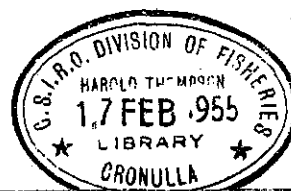
The station locations are the same as in previous volumes. The positions of the sampling stations in Lake Macquarie are shown on the map on page 4.

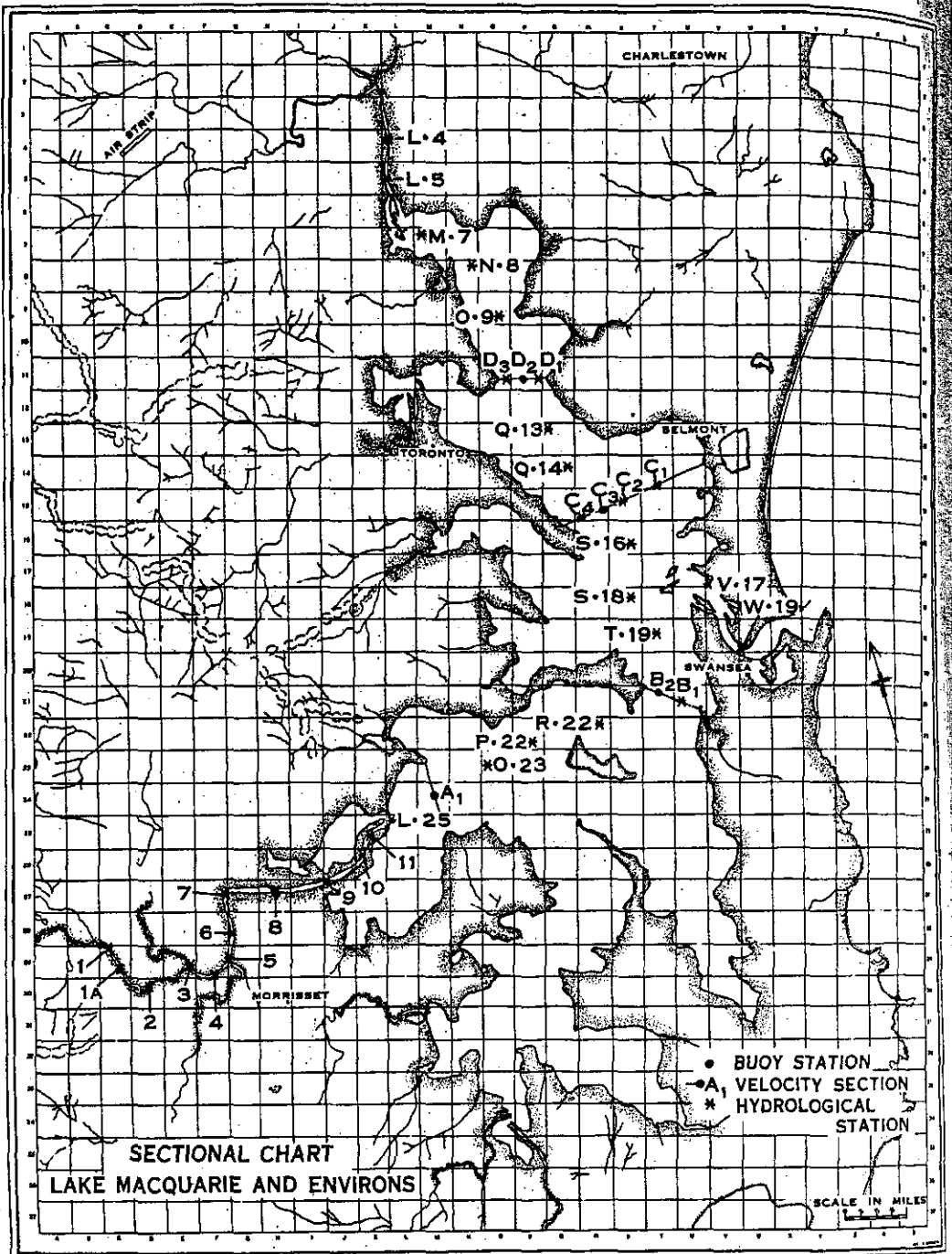
VI. PERSONNEL

The laboratory analyses of the data have been the responsibility of Mr. R. Spencer, Mr. A. Middleton, and the hydrology staff at Cronulla. Messrs. C. Brown, G. Kitchen, and C. Wirrell were responsible for the field collecting. Misses O. Jacobsen, J. Pincombe, and S. Walden were responsible for the processing of the data and for the preparation of the typed data sheets prior to printing.

VII. REFERENCES

ROCHFORD, D. J. (1951).—Studies in Australian estuarine hydrology. I. Introductory and comparative features. *Aust. J. Mar. Freshw. Res.* 2: 1-116.





SECTIONAL CHART
LAKE MACQUARIE AND ENVIRONS

SCALE IN MILES

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 16.vi	V.17	0	15.20	17.35	5.48	92	8.04	4-5	6	
		5	15.60	17.55	5.18	87	8.09	3-9	0	
	S.16	0	14.30	16.65	5.74	93	8.17	5	11	
		12	16.30	18.85	5.42	94	8.16	9	13	
	C.3	0	14.00	17.15	5.86	96	8.21	6-10	6	
		10	16.35	18.85	3.97	69	8.12	8	6	
	Q.13	0	14.10	16.80	5.88	96	8.16	3-12	4	
		9	16.65	18.80	4.06	71	8.10	7	16	
	D.2	0	14.20	17.00	5.88	96	8.13	3-3	7	
		9	14.60	17.30	5.48	91	8.06	6	4	
	O.9	0	14.30	17.00	5.88	96	8.14	0	6	
		6	14.00	17.45	5.58	92	8.18	9-4	21	
	N.8	0	14.30	17.30	5.88	97	8.13	2	4	
		6	13.90	17.50	5.62	92	8.16	2-6	4	
	M.7	1	14.10	17.20	5.91	97	8.18	12-0	0	
	L.5	0	13.50	16.65	7.60	123	8.22	3	152	
	21- 22.vii	L.25	0	12.60	17.10	6.11	98	8.14	6-24-9	5
			0	12.20	17.80	6.09	97	8.13	6-5-7	5
		A.1	6	12.20	17.80	6.03	96	8.15	20-10	44
			0	12.40	17.80	6.12	98	8.13	6-18-0	16
		O.23	7	12.30	17.80	5.87	94	8.15	5-13-0	8
0			12.40	17.80	6.06	97	8.17	6-16-5	8	
P.22		8	12.30	17.70	5.96	95	8.15	3-18-9	2	
		0	12.30	17.80	6.06	97	8.16	3-16-0	7	
R.22		7	12.25	18.00	6.03	97	8.16	5-10-0	10	
		0	12.30	17.80	6.06	97	8.16	6-14-4	5	
B.2		10	14.00	18.30	5.70	95	8.19	14-4-2	15	
		0	12.20	18.00	6.15	99	8.18	3-16-3	3	
T.19		10	12.20	18.00	6.18	99	8.16	3-12-7	6	
		0	15.50	19.30	5.90	102	8.20	7-14-2	17	
W.19		0	12.40	18.00	6.21	100	8.23	5-9-0	8	
		10	12.40	18.00	6.21	100	8.18	3-10-0	41	
S.18		0	12.40	18.00	6.21	100	8.18	3-10-0	41	
		8	11.90	17.90	6.18	98	8.22	5-9-0	10	
V.17		0	12.20	17.90	6.09	98	8.19	5-13-0	6	
		8	11.90	17.90	6.18	98	8.22	5-9-0	10	
S.16		0	12.20	17.20	6.25	99	8.23	9-6-3	9	
	9	14.40	18.10	6.29	105	8.17	15-5-0	11		

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C.	Cl ‰	O ₁	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953									
21-	C.3	0	12.20	17.70	6.25	100	8.25	0-16-0	3
22.vii		10	14.20	18.60	6.06	102	8.18	6-8-0	10
	Q.14	0	12.20	17.70	6.29	100	8.23	5-11-0	7
		9	14.40	18.50	5.96	100	8.15	8-11-0	9
	Q.13	0	12.20	17.80	6.21	99	8.21	4-12-2	6
		9	14.40	18.70	5.28	89	8.17	18-2-0	13
	D.2	0	12.00	17.70	6.21	99	8.21	8-12-0	0
		7	13.80	18.40	5.16	86	8.20	12-23	13
	O.9	0	12.10	17.80	6.21	99	8.21	2-18-6	14
		6	12.20	17.90	6.25	100	8.21	7-24	3
	N.8	0	12.20	17.90	6.18	99	8.21	8-11-0	16
		5	12.40	17.80	6.25	100	8.19	4-17-4	0
	M.7	0	11.90	17.50	6.57	104	8.14	4-26-0	21
		1.5	12.00	17.80	6.44	103	8.21	9-6-3	15
	L.5	0	12.70	16.55	7.75	123	8.15	7-31-6	123
		2	12.60	17.40	6.79	109	8.25	9-16-4	7
17-	L.25	0	11.70	18.06	5.93	94	8.14	12-2-0	117
18.viii	A.1	0	12.30	18.01	5.93	95	8.31	3-9-0	3
		6	12.30	18.10	6.19	100	8.28	10-10	17
	O.23	0	12.40	18.03	5.87	95	8.26	3-10-0	0
		7	12.50	18.21			8.34	5-17-0	25
	P.22	0	12.60	17.93	5.77	93	8.26	4-18-4	9
		8	12.90	18.27	5.77	94	8.25	7-25-0	20
	R.22	0	12.50	18.07	5.87	95	8.26	0-21-0	9
		7	12.90	18.31	5.82	95	8.23	0-27-0	4
	B.2	0	12.30	18.32	5.82	94	8.26	0-15-0	21
		11	12.80	18.47	5.60	91	8.27	9-9-0	34
	T.19	0	12.70	18.33	5.93	96	8.26	0-13-1	11
		3.5	12.90	18.44			8.25	10-0-0	0
	W.19	0	15.20	19.65	5.93	102	8.19	9-2-0	25
	S.18	0	12.70	18.32	5.93	96	8.26	0-6-0	14
		11	12.90	18.50	5.42	89	8.27	16-0-0	65
	V.17	0	14.60	19.49	6.15	105	8.25	14-2-3	0
		5	14.80	19.68	5.99	103	8.23	12-0-0	0
	U.17	0	12.60	18.63	6.14	100	8.16	11-4-0	40
		4	12.50	18.60	5.77	94	8.18	9-13-0	38

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953									
17-18.viii	S.16	0	12.50	18.33	5.93	96	8.26	0-16-0	19
		10	13.10	18.62	4.97	82	8.25	12-25	99
	G.3	0	12.70	18.22	5.87	95	8.31	5-1-2	14
		9.5	12.50	18.49	5.87	95	8.26	6-22-0	22
	Q.14	0	12.70	18.39	5.93	96	8.28	0-19-3	0
		10	12.50	18.40	5.82	94	8.26	5-16-0	22
	Q.13	0	12.80	18.32	5.82	95	8.26	8-1-1	19
		9.5	12.50	18.36	5.82	94	8.26	21-28	26
	D.2	0	12.70	18.16	6.14	100	8.35	9-16-0	29
		8	12.50	18.44	5.82	94	8.32		9
	O.9	0	12.70	18.38	6.20	101	8.38	10-0-1	0
		6	12.10	18.52	6.30	101	8.34	20-3-0	0
	H.8	0	12.20	18.44	5.93	96	8.26	12-6-7	25
		5	13.10	18.45	6.06	99	8.26	13-0-0	18
	M.7	0	12.20	18.47	6.14	99	8.24	10-17	9
	L.5	0	11.50	17.53	8.84	139	8.41	12-0-0	22
21-22.ix	L.25	0	16.60	18.60	5.30	92	8.16	2-6-3	0
	A.1	0	17.10	18.58	5.56	98	8.21	3-7-0	0
		5	17.00	18.65	5.38	95	8.23		
	O.23	0	16.80	19.01	5.52	97	8.21	2-7-0	0
		7	16.80	18.77	5.68	100	8.21	0-12-0	0
	P.22	0	16.90	19.01	5.79	102	8.21	0-12-0	0
		7	16.80	18.98	5.74	101	8.21	2-6-0	0
	R.22	0	16.70	18.71	5.57	98	8.20	0-9-0	6
		8	16.40	18.71	5.56	97	8.22	9-9-5	0
	B.2	0	16.80	18.59	5.63	99	8.21	0-8-4	0
		10	16.20	19.13	5.46	95	8.14	11-0-5	30
	T.19	0	16.60	18.83	5.87	103	8.22	0-10-0	4
		10	15.80	18.89	5.27	91	8.23	6-9-0	16
	S.18	0	16.70	18.86	5.68	100	8.22	3-6-0	6
		9	16.10	18.83	5.63	98	8.20	0-8-0	30
	V.17	0	16.70	18.84	5.77	101	8.13	2-7-3	14
		5	16.70	18.78	5.63	99	8.05	2-16-0	11
	S.16	0	16.60	18.96	5.57	98	8.21	2-2-0	0
		9	16.10	18.80	5.52	96	8.22	2-8-2	16
	C.3	0	16.60	18.94	5.60	98	8.21	0-12-0	5
		9	16.50	18.89	5.49	96	8.18	3-4-7	32

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953									
21- 22.ix	Q.14	0	16.70	18.94	5.45	96	8.22	0-9-2	0
		9	16.30	18.84	5.45	95	8.04	4-8-2	0
	Q.13	0	16.60	18.88	5.79	101	8.22	3-17-0	0
		9	16.70	18.90	5.56	98	8.22	14-47	17
	D.2	0	16.70	18.92	5.49	96	8.22	5-7-0	9
		7	16.60	18.90	5.40	95	8.22	0-17-0	0
	O.9	0	16.70	18.89	5.40	95	8.20	8-2-0	0
		6	16.70	18.91	5.43	95	8.22	2-25	8
	N.8	0	16.70	18.70	5.49	96	8.21	3-4-9	11
		5	16.70	18.70	5.49	96	8.22	6-4-7	0
M.7	0	17.10	18.36	6.41	113	8.16	7-6-5	3	
L.5	0	18.30	17.90	7.19	128	8.12	14-25	50	
19- 20.x	L.25	0	19.20	18.11	5.36	97	8.09	32-18	8
	A.1	0	18.90	18.69	5.39	98	8.18	4-37	11
		5	18.50	18.56	5.36	97	8.13	3-20-3	11
	O.23	0	18.90	18.64	5.39	98	8.18	6-9-5	7
		6	18.20	18.67	5.29	95	8.17	6-25-0	2
	P.22	0	19.00	18.64	5.42	99	8.13	5-2-0	8
		8	18.10	18.74	5.29	95	8.14	9-13-1	16
	R.22	0	18.90	18.77	5.39	98	8.18	5-21-3	12
		7	18.40	18.84	5.31	96	8.18	9-9-0	15
	B.2	0	18.80	18.64	5.36	97	8.17	3-23-5	10
		10	18.10	18.89	5.14	92	8.14	18-63	14
	T.19	0	19.20	18.90	5.49	101	8.17	6-5-30	8
		5.5	18.30	18.97	5.60	101	8.17	6-31-0	6
	S.18	0	19.20	18.68	5.45	100	8.12	7-4-32	8
		9	18.20	18.92	5.31	96	8.14	22-23	26
	S.16	0	19.30	18.93	5.36	99	8.15	5-25	10
		9	18.00	18.90	5.60	101	8.17	9-35	14
	C.3	0	19.40	18.89	5.36	99	8.09	6-35-1	9
		9	18.00	19.03	5.21	94	8.14	6-22-0	9
	Q.14	0	19.40	18.90	5.36	99	8.13	7-31-6	8
9		18.10	18.84	5.55	100	8.15	11-32	14	
Q.13	0	19.50	18.81	5.52	102	8.12	7-18-6	3	
	9	18.10	18.75	5.42	97	8.13	3-8-29	9	
D.2	0	19.10	18.60	5.36	98	8.17	5-24-0	9	
	7.5	18.30	18.82	5.49	99	8.12	7-27-2	10	

Location: LAKE MACQUARIE

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953									
19-	O.9	0	18.30	18.87	5.31	96	8.14	3-38-4	11
20.x		6	18.30	18.87	5.31	96	8.14	7-9-0	9
	N.8	0	18.50	18.92	5.29	96	8.15	3-8-25	9
		5	18.50	18.87	5.60	101	8.19	20-16	5
	M.7	0	19.10	18.78	5.39	101	8.16	11-40	10
	L.5	0	20.00	17.75	5.42	99	8.13	22-46	251
16-	A.1	0	22.90	18.85	5.77	112	8.02	12-22	0
17.xi		5	22.90	19.01	5.71	112	8.02	15-22	4
	O.23	0	22.50	18.95	5.34	103	7.96	4-13-5	1
		8	22.50	18.85	5.45	105	7.96	4-14-0	6
	P.22	0	22.40	18.83	5.71	110	8.06	4-13-3	1
		9	22.40	18.95	5.71	110	7.97	2-16-0	3
	R.22	0	22.20	18.99	5.52	106	8.18	11-2-0	3
		7	22.10	18.95	5.45	105	8.10	12-0-0	0
	B.2	0	22.10	19.39	5.45	105	8.18	8-7-6	6
		10	21.50	18.98	5.34	102	6.81	10-9-0	0
	T.19	0	21.80	19.39	5.35	103	8.07	4-10-5	3
		9	21.80	19.47	5.30	102	8.07	13-45	41
	S.18	0	21.70	19.34	5.40	104	8.13	1-13-0	2
		10	21.50	19.47	5.40	103	8.07	4-56-0	5
	S.16	0	21.60	19.34	5.40	103	8.18	0-6-10	5
		10	21.50	19.55	5.40	103	8.09	3-10-0	1
	C.3	0	21.60	19.47	5.40	104	8.06	2-4-4	0
		9	21.20	19.34	5.40	103	8.09	23-30	20
	Q.14	0	21.60	19.33	5.40	103	8.02	2-11-1	0
		10	21.60	19.14	5.40	103	8.02	2-12-0	5
	Q.13	0	22.00	19.39	5.30	102	8.04	3-12-0	1
		8	21.30	19.39	5.53	105	8.03	2-11-5	3
	D.2	0	22.20	19.53	5.24	102	8.24	2-9-7	2
		8	21.30	19.39	5.53	106	8.09	12-17	6
	O.9	0	22.60	19.35	4.87	95	8.02	3-11-2	28
		6	22.40	19.33	5.40	105	8.04	3-20	2
	N.8	0	22.90	19.83	5.24	103	7.96	7-12-0	0
		5	23.00	19.02	5.03	98	8.02	4-12-9	2

Location: BOTANY BAY - GEORGES RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1953									
14.1	1	S	21.40	19.55	1.95	37	8.12	6-12	7
		D	18.80	19.63	5.55	102	8.16	11-7	7
	2	S	22.40	19.54	5.49	107	8.13	9	7
		D	22.40	19.57	5.36	104	8.14	10	7
	3	S	22.40	19.62	4.77	93	8.12	12	0
		D	22.40	19.63	5.39	105	8.15	13	0
	4	S	23.20	19.25	2.62	51	8.08	5-16	6
		D	23.20	19.29	4.37	86	8.06	3-24	7
	5	S	22.90	19.41	5.42	106	8.07	9	0
		D	22.90	19.44	5.49	108	8.09	16	0
	6	S	23.20	19.23	1.33	26	8.04	9	12
		D	23.20	19.28	4.37	86	8.04	6	5
	7a	S	23.40	19.05	4.66	92	7.98	9	0
		D	23.30	19.14	4.42	87	7.98	15	61
	8	S	24.00	18.71	4.68	93	7.99	4	7
		D	23.60	18.84	4.42	87	7.95	9	7
26- 27.11	1	S	22.50	18.93	6.31	122	8.14	0-11	0
		D	20.40	19.51	4.86	91	8.17	5-10	0
	2	S	23.00	17.35	6.49	124	8.16	0	0
		D	21.40	19.28	4.03	77	8.12	12	0
	3	S	23.60	19.09	6.58	130	8.13	5	0
		D	23.60	19.01	6.95	137	8.17	4	0
	4	S	23.20	17.29	5.15	99	8.04	1-26	0
		D	21.80	18.92	5.76	110	8.13	0-24	0
	5	S	23.60	18.23	8.90	174	8.21	0	0
		D	22.80	18.90	5.67	110	8.17	0	0
	6	S	22.80	17.11	5.84	111	8.10	6	0
		D	22.80	18.75	5.61	109	8.10	6	0
	7	S	23.20	18.48	5.13	100	8.10	4-17	0
		D	22.90	18.55	5.11	99	8.07	7-11	0
	8	S	23.00	18.34	4.97	96	8.02	6	0
		D	22.80	18.41	4.95	96	7.99	7	0
10	S	23.80	17.96	4.95	97	7.72	6-17	0	
	D	23.80	18.04	4.82	95	7.66	4-19	0	
12	S	25.40	14.49	4.82	93	7.77	4-11	51	
	D	25.40	14.52	4.77	92	7.75	2-24	0	
16	S	24.00	4.00	5.87	99	8.05	5-44	265	
	D	24.70	5.02	5.11	88	8.02	6-26	245	

Location: BOTANY BAY - GEORGES RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 2.1v	1	S	20.20	19.13	5.61	105	8.11	2-11	0
		D	20.90	19.56	5.42	103	8.15	4-8	0
	2	S	20.00	18.71	5.76	107	8.12	2	3
		D	19.90	18.82	5.02	93	8.10	4	4
	3	S	20.30	19.30	5.80	109	8.12	5	7
		D	23.30	19.25	6.03	119	8.11	6	2
	4	S	19.80	18.47	4.94	91	8.02	2-23	5
		D	19.50	19.53	5.00	93	8.03	4-25	6
	5	S	20.30	18.54	5.31	99	8.05	2	4
		D	19.90	19.51	5.55	104	8.08	5	4
	6	S	20.50	18.57	5.55	103	8.07	3	0
		D	19.80	19.04	5.42	101	8.12	3	0
	7	S	20.50	18.03	5.67	105	8.16	4-12	0
		D	20.00	15.35	5.42	97	8.08	5-16	0
	8	S	20.80	19.03	5.51	104	8.07	4	8
		D	20.00	18.53	5.36	99	8.06	4	4
10	S	20.50	14.47	5.34	95	7.88	3-15	48	
	D	20.20	15.27	2.25	40	7.51	7-75	112	
12	S	21.00	6.91	5.20	86	7.50	2-18	246	
	D	20.80	1.04	4.55	70	7.74	15-14	321	
16	S	21.00	1.02	4.32	68	7.67	17-1	304	
	D	20.80	1.04	4.55	70	7.74	15-14	321	
22- 23.1v	1	S	20.90	19.33	5.45	103	8.18	4-14	11
		D	21.20	19.53	4.91	94	8.18	8-0	0
	2	S	20.40	19.29	5.31	100	8.17	7	15
		D	20.40	19.29	5.06	95	8.16	9	0
	3	S	20.60	19.18	5.25	98	8.15	7	3
		D	20.10	19.33	5.49	102	8.19	10	0
	4	S	20.90	18.78	4.58	86	8.05	12-22	0
		D	20.50	19.29	5.39	101	8.16	7-8	0
	5	S	20.70	19.18	5.27	99	8.16	6	5
		D	20.20	19.13	5.39	101	8.17	10	4
	6	S	20.60	18.74	5.22	98	8.06	9	0
		D	20.50	18.73	5.10	95	8.06	5	13
	7	S	20.70	18.67	5.10	96	8.10	8-12	15
		D	20.30	18.68	4.98	93	8.10	7-10	5
	8	S	20.60	18.39	4.98	93	8.05	4	2
		D	20.30	18.76	4.58	85	8.06	15	0

Location: BOTANY BAY - GEORGES RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953										
22- 23.iv	10	S	20.50	15.18	4.82	87	7.81	1-26	35	
		D	20.60	15.35	4.88	88	7.83	7-13	19	
	12	S	20.80	8.85	4.57	77	7.82	4-17	110	
		D	20.80	8.90	4.55	77	7.68	4-11	114	
	16	S	21.00	1.76	5.31	83	7.99	9-26	240	
		D	19.90	2.33	4.98	77	7.73	5-28	227	
	26- 27.v	1	S	15.90	18.65	6.00	104	8.22	3-12	
			D	16.20	19.01	6.10	106	8.24	4-9	
2		S	15.00	18.45	6.61	112	8.28	0		
		D	16.10	18.86	5.61	97	8.27	9		
3		S	21.20	18.85	6.00	113	8.18	7		
		D	15.20	18.83	5.88	101	8.25	0		
4		S	14.80	18.22	6.63	112	8.28	5-8		
		D	14.80	18.23	6.70	113	8.28	6-7		
5		S	14.80	18.35	7.05	119	8.32	6		
		D	15.10	18.47	6.98	119	8.33	8		
6		S	15.00	17.32	6.31	106	8.26	8		
		D	14.90	17.42	6.35	106	8.27	7		
7		S	15.00	17.01	6.28	105	8.17	9-11		
		D	15.00	17.34	6.10	102	8.20	0-20		
8		S	14.80	16.30	5.95	98	8.12	9-13		
		D	14.80	17.49	5.65	94	8.12	17-0		
10		S	13.80	12.63	6.10	95	7.92	0-21	42	
		D	13.90	12.99	6.06	95	8.04	5-20	110	
12		S	13.50	4.52	5.75	81	7.04	7-16	329	
		D	13.60	4.69	5.86	83	7.84	5-18	343	
16	S	14.00	0.23	4.81	66		26-27	402		
	D	13.80	0.23	4.70	64	7.85	25-20	487		
29.vi	1	S	17.40	19.63	5.64	101	8.05	0-9	2	
		D	17.20	19.67	5.58	100	8.13	0-11	0	
	2	S	14.10	19.15	6.17	104	8.21	3	0	
		D	13.20	19.08	6.17	102	8.21	0	0	
	3	S	15.00	19.43	5.96	102	8.25	0	0	
		D	14.90	19.37	6.06	104	8.22	0	0	
	4	S	12.40	18.63	6.36	103	8.20	0-12	0	
		D	12.50	18.96	6.53	107	8.19	0-21	0	

Location: BOTANY BAY - GEORGES RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953	29.vi	5	S	12.60	18.85	6.36	104	8.20	4	0
		D	12.40	18.85	6.36	104	8.20	3	0	
	6	S	13.40	18.80	6.17	102	8.17	4	0	
		D	12.40	18.80	6.17	100	8.18	0	0	
	7	S	12.20	18.57	6.10	99	8.13	0-16	0	
		D	12.30	18.60	6.45	104	8.18	0-20	0	
	8	S	12.00	17.96	6.17	98	8.05	5-12	0	
		D	11.80	18.32	5.96	95	8.19	2-22	0	
	1.vii	10	S	11.00	16.21	6.38	98	8.10	4-5	24
			D	11.00	16.20	6.59	101	8.04	5-17	0
		12	S	10.90	11.26	7.10	102	7.93	3-6	101
			D	10.90	11.07	7.25	104	7.85	2-15	111
		16	S	11.00	2.87	7.46	98	7.93	4-25	367
			D	11.00	2.90	7.52	99	8.16	4-17	367
	3.viii	1	S	14.90	19.49	5.98	103	8.23	6-9	
			D	15.20	19.60	5.46	94	8.23	11-3	
		2	S	14.10	19.17	6.46	109	8.21	4	
			D	14.00	19.41	6.01	101	8.21	6	
		3	S	15.10	19.54	5.71	98	8.23	8	
			D	14.90	19.51	5.83	100	8.23	8	
		4	S	13.50	18.90	6.29	104	8.18	6-4	
			D	13.30	19.03	6.52	108	8.17	4-7	
		5	S	13.60	19.07	6.07	101	8.22	6	
			D	13.10	19.11	6.19	102	8.22	8	
6		S	13.90	19.13	6.19	104	8.21	7		
		D	13.50	19.54	6.22	104	8.22	10		
7		S	13.90	19.17	6.03	101	8.22	8-7		
		D	13.90	19.24	6.32	106	8.22	8-9		
8		S	13.60	18.93	6.07	101	8.16	10-3		
		D	13.50	19.01	6.07	101	8.19	8-5		
4.ix	1	S	14.90	19.70	5.39	93	8.10	13-0	11	
		D	14.90	19.67	5.57	96	8.13	8-1	48	
	2	S	14.50	19.62	5.57	95	8.19	5	0	
		D	14.40	19.68	5.64	96	8.19	7	51	

Location: BOTANY BAY - GEORGES RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 4.ix	3	S	13.90	19.57	5.87	99	8.20	0	47	
		D	13.80	19.60	5.70	96	8.22	3	13	
	4	S	14.00	19.50	5.87	99	8.19	0-11	33	
		D	13.90	19.50	5.76	97	8.21	7-9	16	
	5	S	14.00	19.55	6.10	103	8.22	0	17	
		D	13.90	19.53	6.05	102	8.24	0	0	
	6	S	13.90	19.20	5.87	98	8.23	4	0	
		D	13.80	19.20	5.87	98	8.21	14	0	
	7	S	13.80	19.25	5.58	93	8.16	7-5	12	
		D	13.50	19.26	5.65	94	8.09	10-2	0	
	8	S	14.00	19.00	5.65	95	8.11	5-10	0	
		D	13.60	19.22	5.50	92	8.13	6-1	0	
	29.x	1	S	18.10	19.55	5.61	102	8.21	4-9	5
			D	14.10	19.52	4.39	74	8.21	16-5	5
		2	S	19.30	19.39	5.25	97	8.23	2	3
			D	19.20	19.52	5.35	99	8.23	15	5
3		S	19.30	19.60	5.72	106	8.16	4	0	
		D	19.20	19.57	5.86	108	8.16	2	0	
4		S	19.70	19.42	5.22	97	8.22	3-13	3	
		D	19.10	19.45	5.13	94	8.21	9-13	3	
5		S	19.70	19.34	5.30	99	8.20	3	0	
		D	19.60	19.29	5.25	96	8.22	3	3	
6		S	19.60	19.48	5.30	99	8.15	1	0	
		D	19.50	19.46	4.97	92	8.15	8	0	
7		S	19.60	19.36	5.02	93	8.10	0-19	4	
		D	19.40	19.41	4.87	90	8.10	9-34	7	
8		S	19.80	19.31	4.95	92	8.09	0-21	3	
		D	19.40	19.42	4.73	88	8.10	12-22	9	
2.xii	1	S	17.70	19.71	5.45	98		11-11	1	
		D	20.50	19.65	5.10	96		11-11	15	
	2	S	21.90	19.75	5.94	115		8	12	
		D	19.60	19.66	5.00	93		9	13	
	3	S	21.30	19.76	6.00	115		7	6	
		D	21.30	19.75	5.28	101		7	14	
	4	S	22.80	19.71	6.25	123		11-26	1	
		D	21.70	19.70	5.43	105		12-18	10	

Location: BOTANY BAY - GEORGES RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1953	2.xii	5	S 22.40	19.74	5.77	112		7	5
			D 22.30	19.73	5.59	109		7	0
	6	S 22.60	19.83	4.71	92		7	3	
		D 22.20	19.84	5.12	100		16	37	
	7	S 22.40	19.86	4.94	96		10	5	
		D 22.30	19.87	5.00	97		9	11	
	8	S 23.10	19.82	4.88	96		11	16	
		D 22.00	19.85	4.88	95		15	5	
	4.xii	10	S 24.70	19.63	4.38	89		9-19	13
			D 24.60	19.63	4.34	88		11-22	27
		12	S 25.40	16.49	4.22	83		6-17	70
			D 25.40	16.31	4.15	82		5-24	75
		16	S 25.80	9.17	3.56	66		6-16	247
			D 25.70	9.22	3.50	64		6-28	215

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
1953						pH			
16.1	9am	76	22.20	22.50	19.43	8.06	83	25-22	0
	10	65	26.10	22.80					
	11	53	25.60	23.00	19.46	7.99	84		
	12 n	38	22.80	23.00					
	1pm	33	22.80	23.30	19.46	8.00	95	11-19	5
	2	22	22.20	23.30					
	3	9	18.90	23.50	19.39	7.97	88		
	4	17	19.40	23.10					
	5	27	20.00	22.90	19.40	7.98	85	24-54	5
	6	37	20.00	22.90					
	7	51	18.30	22.80	19.39	7.99	88		
	8	57	18.30	22.40					
	9	57	17.80	21.90	18.80	8.00	92	12-33	5
	10	51	17.20	21.80					
	11	42	17.20	21.70	19.29	8.00	87		
	12mm	32	17.20	21.60					
17.1	1am	23	17.20	21.50	19.21	8.03	87	9-23	5
	2	19	17.20	21.10					
	3	22	17.20	20.90	19.25	8.01	87		
	4	30	17.80	20.80					
	5	43	17.20	20.90	19.36	7.99	88	9-26	5
	6	57	17.80	21.70					
	7	72	19.40	21.90	19.33	8.01	89		
	8	80	19.40	21.40					
	9	84	20.00	21.20	19.47	8.05	92	8-20	5
28.1	9am	69	21.70	24.00	19.44	7.99	93	0-18	0
	10	58	23.90	24.30					
	11	45	23.90	24.50	19.33	7.98	98		
	12 n	36	23.90	24.80					
	1pm	24	23.90	26.20	19.57	7.98	110	1-53	13
	2	21	23.90	26.50					
	3	34	26.10	26.50	19.58	7.95	102		
	4	30	23.30	26.50					
	5	39	23.30	26.50	19.57	7.96	103	1-42	8
	6	49	23.30	26.00					
	7	54	23.30	25.80	19.62	7.94	97		
	8	58	23.30	26.00					

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
1953						pH			
29.i	9pm	54	22.80	25.50	19.52	7.96	94	1-36	4
	10	47	22.80	25.00					
	11	39	21.70	24.80	19.52	7.98	90		
	12mm	32	19.40	24.60					
	1am	28	19.40	24.50	19.50	7.94	85	3-22	6
	2	26	19.40	24.40					
	3	33	18.90	24.40	19.44	7.97	85		
	4	42	18.90	24.30					
	5	54	18.30	24.20	19.40	7.97	85	1-22	0
	6	64	18.30	24.00					
9.11	7	73	20.60	24.10	19.44	7.97	86		
	8	78	22.80	24.20					
	9	75	23.90	24.30	19.53	8.01	94	3-14	6
	9am	39	23.90	24.30	19.30	8.01	86	12-32	0
	10	35	25.60	24.70					
	11	35	26.70	24.90	19.28	8.05	100		
	12 n	38	28.90	25.50					
	1pm	43	28.30	26.20	19.30	8.06	106	6-19	0
	2	48	26.70	26.00					
	3	48	26.70	26.00	19.38	8.08	99		
10.11	4	56	26.10	26.00					
	5	52	25.00	26.00	19.36	8.07	108	9-28	0
	6	50	21.70	25.50					
	7	46	19.40	25.50	19.37	8.07	95		
	8	42	18.90	25.50					
	9	36	17.80	25.00	19.43	8.03	84	9-22	0
	10	34	15.60	24.20					
	11	38	14.40	23.50	19.32	8.08	93		
	12mm	45	14.40	23.50					
	1am	51	14.40	23.50	19.32	8.08		9-37	0
	2	60	14.40	23.20					
	3	68	15.60	22.90	19.24	8.07			
	4	75	15.60	23.10					
	5	76	15.00	22.40	19.34	8.10	92	11-31	0
	6	72	15.00	22.40					
	7	65	16.70	21.70	19.30	8.05	89		
	8	57	16.70	21.10					
	9	45	17.20	21.00	19.32	8.08	90	9-22	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
1953						pH			
26.11	9am	66	22.80	23.00	18.78	7.99	80	12-6	0
	10	55	22.80	23.40					
	11	42	24.40	23.80	18.81	7.92	98		
	12 n	33	25.00	24.50					
	1pm	27	23.90	25.00	18.89	7.97	111	12-3	0
	2	26	26.10	26.00					
	3	29	25.60	26.00	18.81	8.03	116		
	4	38	25.00	25.50					
	5	48	24.40	24.90	18.87	8.09	106	9-3	0
	6	55	23.30	24.90					
	7	61	22.80	24.70	18.95	8.15	114		
	8	63	23.30	24.50					
27.11	9	56	23.30	24.30	18.92	8.10	106	9-6	4
	10	50	21.70	23.80					
	11	39	21.10	23.90	18.84	8.07	91		
	12am	49	21.10	24.00					
	1am	30	21.10	24.00	18.89	8.08	87	16-13	0
	2	31	20.00	24.00					
	3	37	20.00	23.80	18.89	8.09	94		
	4	47	18.90	23.70					
	5	58	18.90	23.40	18.82	8.11	98	8-10	4
	6	68	18.90	23.20					
	7	74	19.40	23.20	18.77	8.11	98		
	8	76	20.60	23.20					
23.11	9	73	22.20	23.40	18.84		95	12-4	0
	10am	30	22.80	23.30	19.43	7.68	84	9-19	28
	11	34	22.80	23.50					
	12 n	39	22.80	23.60	19.49	7.95	93		
	1pm	44	22.20	24.00					
	2	48	22.80	23.90	19.37	7.99	100	7-18	23
	3	51	22.80	24.00					
	4	52	23.30	24.50	19.47	7.99	108		
	5	49	22.80	25.00					
	6	45	23.30	25.30	19.45	7.98	106	11-20	14
	7	42	22.80	25.00					
	8	39	22.80	25.20	19.87	7.95	108		

Location: GEORGES RIVER - SHELL POINT

Date	Time	Tide (ft.)	Air Temp. °C.	Water Temp. °C.	Cl ‰	O ₂	O ₂ %	PO ₄ -P	NO ₃ -N
1953						pH			
23.111	9pm	37	22.20	24.80					
	10	40	21.70	24.30	19.41	7.96	95	9-16	28
	11	45	21.70	24.30					
24.111	12mm	50	21.10	24.20	19.37	7.96	95		
	1am	56	21.70	23.50					
	2	64	22.20	23.20	19.29	7.97	97	9-11	14
	3	66	22.20	23.20					
	4	67	22.20	23.20	19.00	7.93	90		
	5	65	21.70	23.10					
	6	59	22.20	23.60	19.02	7.89	85	12-19	16
	7	54	21.70	23.40					
	8	48	21.70	23.30	18.61	7.94	88		
	9	38	22.20	23.30					
9.1v	10	33	23.90	23.50	18.30	7.90	88	13-10	13
	12 n	30	20.60	20.70	18.42	8.01	90	13-5	0
	1pm	37	21.10	20.70					
	2	45	21.70	20.70	18.30	8.03	91		0
	3	53	21.70	20.70					
	4	60	20.60	20.70	18.39	8.03	97	7-11	0
	5	61	20.00	20.60					
	6	71	20.00	21.00	18.42	8.05	107		0
	7	52	19.40	21.30					
	8	46	20.00	21.30	18.45	8.02	101	10-16	8
	9	37	19.40	21.20					
	10	33	19.40	21.40	18.36	8.03	88		3
10.1v	11	33	18.90	21.00					
	12mm	38	18.90	20.60	18.41	8.03	96	10-5	3
	1am	42	18.30	20.40					
	2	54	17.80	20.30	18.17	8.05	95		3
	3	65	17.80	20.30					
	4	73	18.90	20.40	18.36	8.05	93	9-8	0
	5	78	18.90	20.40					
	6	74	18.30	20.20	18.42	8.02	83		3
	7	66	18.90	20.30					
	8	54	21.10	20.10	18.49	8.02	87	23-0	0
	9	42	20.60	20.30					
	10	32	20.60	20.60	18.58	8.01	92		0
	11	24	21.70	21.00					
	12 n	22	21.10	21.50	18.53	7.92	93	11-17	8

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
						pH			
1953									
28.iv	8am	71	17.80	20.10	18.85	7.99	88	9-14	
	9	68	18.30	20.70					
	10	59	19.40	20.70	18.93	8.01	93	4	
	11	50	19.40	20.80					
	12 n	39	21.10	20.90	18.92	8.01	95	7-21	
	1pm	32	22.20	21.20					
	2	32	23.90	21.30	18.94	8.01	102	6	
	3	38	22.80	21.40					
	4	48	22.20	21.50	18.93	8.00	105	7-8	
	5	56	21.70	21.50					
	6	69	21.10	21.20	18.91	8.01	98	7	
	7	78	21.10	21.20					
	8	83	20.00	21.10	18.95	8.05	100	8-5	
	9	80	20.00	21.20					
10	72	19.40	21.20	18.97	8.02	99	10		
11	60	19.40	21.20						
29.iv	12mm	51	17.80	21.20	19.07	8.02	98	9-13	
	1am	38	16.10	21.10					
	2	32	15.60	20.60	19.16	8.02	97	6	
	3	32	15.00	20.20					
	4	39	14.40	20.40	19.15	8.05	111	7-19	
	5	48	14.40	20.20					
	6	56	14.40	20.10	19.06	8.03	97	15	
	7	67	15.00	19.80					
8	74	15.60	19.80	19.04	8.03	96	15-10		
21.v	1pm	57	14.40	15.70	16.66	8.20	97	12-13	
	2	61	14.40	16.00					
	3	66	15.00	16.40	17.24	8.19	97		
	4	66	14.40	16.40					
	5	64	13.90	15.80	17.39	8.19	100	11-13	
	6	60	13.90	15.40					
	7	55	12.80	15.40	17.21	8.16	99		
	8	50	12.20	15.30					
	9	50	11.70	15.30	17.29	8.16	96	11-9	
	10	51	11.70	15.50					
	11	57	11.10	15.10	16.75	8.16	98		
	12mm	63	11.10	14.80					

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
1953						PH			
22.v	1am	68	10.60	14.70	16.79	8.17	95	10-3	
	2	74	10.60	14.90					
	3	74	10.60	15.00	17.57	8.16	91		
	4	72	9.44	15.40					
	5	66	10.00	14.50	17.38	8.17	92	11-7	
	6	58	10.00	14.20					
	7	52	10.00	14.40	17.40	8.17	89		
	8	45	11.10	14.80					
	9	38	12.20	15.30	17.69	8.16	91	11-10	
	10	37	14.40	15.50					
	11	40	15.60	15.40	17.69	8.16	100		
	12 n	45	17.80	15.40					
	1pm	54	20.00	15.00	16.90	8.16	99	12-9	
6.vii	12 n	36	13.30	11.70		8.23		6-17	3
	1pm	48	14.40	12.10					
	2	59	15.60	12.00		8.03		6-15	3
	3	69	15.60	12.00					
	4	74	16.70	11.90		8.25		5-11	2
	5	75	14.40	11.90					
	6	70	10.60	12.20		8.24		5-11	3
	7	60	10.00	12.30					
	8	51	8.89	12.60		8.24		6-12	2
	9	41	8.89	12.30					
	10	33	8.33	12.00		8.22		7-11	3
	11	30	8.33	12.00					
	12am	29	7.78	11.90		8.21		8-10	3
7.vii	1am	37	7.78	11.80					
	2	39	9.44	11.70		8.25		8-9	4
	3	48	9.44	11.50					
	4	54	9.44	11.50		8.17		4-18	4
	5	59	9.44	11.40					
	6	59	10.60	11.50		8.22		7-8	4
	7	54	9.44	11.50					
	8	49	10.00	11.40		8.19		6-5	3
	9	39	11.10	11.40					
	10	30	12.80	11.30		8.20		6-11	3
	11	30	12.80	11.10					
	12 n	33	13.30	11.30		8.19		9-8	3

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
1953						pH			
11.viii	12 n	54	16.70	14.30	19.06	8.27	95	3-9-3	28
	1pm	45	17.20	14.60					
	2	35	16.70	14.70	19.03	8.23	99	2	14
	3	31	16.70	14.60					
	4	33	14.40	14.50	19.29	8.23	103	7-7-0	38
	5	41	12.80	14.50					
	6	50	11.10	14.20	19.29	8.19	98	7	13
	7	64	8.33	14.10					
	8	75	8.89	13.80	19.10	8.20	86	5-9-0	8
	9	82	8.33	14.00					
	10	81	8.89	13.70	19.07	8.20	86	6-4-6	36
	11	71	8.89	13.10					
	12mm	64	8.33	13.10	19.19	8.20	94	3	3
12.viii	1am	54	8.33	13.20					
	2	39	8.33	13.20	19.24	8.20	97	2	0
	3	30	7.78	13.00					
	4	27	7.78	13.00	19.32	8.20	99	5-5-6	32
	5	34	7.78	12.80					
	6	41	7.78	12.90	19.35	8.21	90	1	33
	7	49	8.89	12.80					
	8	59	10.60	12.80		8.21		3-10-0	18
	9	65	11.70	12.70					
	10	69	12.20	13.20	19.01	8.20	92	5	27
	11	77	13.90	13.40					
	12 n	58	14.40	13.00	18.92	7.93	94	9-5-5	25
8.x	12 n	39	17.20	16.80		7.96		10-18	10
	1pm	29	17.20	17.30					
	2	22	16.10	18.00	19.71	8.06	107	8	14
	3	22	15.60	18.30					
	4	27	17.20	18.50	19.67	8.11	112	11-11	14
	5	36	16.70	18.50					
	6	46	16.10	17.50	19.55	8.12	102	16	6
	7	58	13.90	17.30					
	8	65	12.20	17.30	19.53	8.12	95	10-89	18
	9	65	12.20	17.20					
	10	58	11.10	17.00	19.55	8.12	97	12	14
	11	48	10.00	16.90					

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
1953						PH			
8.x	12mm	38	9.44	16.70	19.58	8.13	94	11-3	11
9.x	1am	29	8.89	16.70					
	2	25	8.89	16.40	19.57	8.13	92	8	14
	3	21	8.89	16.20					
	4	27	8.89	16.30	19.59	8.13	91	9-9	10
	5	37	8.33	16.40					
	6	50	8.89	16.20	19.54	8.11	96	13	13
	7	63	11.70	16.40					
	8	68	13.30	16.70	19.49	8.10	92	10-12	23
	9	71	15.00	16.80					
	10	66	17.80	17.00	19.49	8.10	97	10	11
	11	56	18.30	17.50					
	12 n	44	18.30	17.70	19.53	8.11	99	38-0	11
4.xi	12 n	30	17.80	19.70	19.72	8.05	104	3-6-7	4
	1pm	28	18.30	20.40					
	2	30	18.90	21.00	19.86	7.95	104	3-8-12	0
	3	37	17.20	20.70					
	4	45	17.20	20.00	19.77	7.75	90	11-0	0
	5	56	17.80	19.80					
	6	62	17.80	19.70	19.66	8.12	99	4-7-0	0
	7	65	17.80	19.70					
	8	62	17.80	19.80	19.76	8.12	101	4-7-8	0
	9	54	17.80	19.30					
	10	46	17.20	19.40	19.81	8.12	93	8-1	0
	11	37	17.20	19.30					
	12mm	30	17.20	19.40	19.81	8.12	94	7-0-0	0
5.xi	1am	28	17.20	19.50					
	2	33	16.10	19.40	19.76	8.07	95	6-1-10	0
	3	42	16.70	19.20					
	4	51	17.20	19.00	19.68	8.04	90	6-1-10	7
	5	61	16.70	19.00					
	6	72	16.70	19.20	19.61	7.41	92	4-7-0	0
	7	75	17.20	19.20					
	8	73	17.20	19.10	19.61	8.04	92	7-5-6	0
	9	67	17.20	19.20					
	10	53	17.20	19.10	19.67	7.99	91	5-6-8	0
	11	46	17.20	19.10					
	12 n	36	17.20	19.20	19.61	8.01	97	6-9-0	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
1953						pH			
3.xii	12 n	28	25.00	25.10	20.05		105	13-13	24
	1pm	28	25.00	26.00					
	2	33	25.00	26.00	20.21		101	12-14	10
	3	40	25.00	25.70					
	4	48	25.00	25.70	20.09		100	21-68	10
	5								
	6	54	24.40	25.00	19.97		100	30-66	14
	7	53	22.20	24.60					
	8	52	23.30	25.40	20.13		99	25-19	10
	9	45	22.80	24.00					
	10	39	22.20	23.70	20.05		101	22-46	10
11	26	21.70	23.50						
	12mn	27	22.20	23.40	20.10		83	28-66	31
4.xii	1am	27	22.20	23.30					
	2	34	21.70	23.20	20.16		86	24-39	24
	3	44	21.10	23.30					
	4	54	21.10	23.50	20.03		93	19-7-5	25
	5	62	21.10	23.40					
	6	69	21.70	23.40	19.92		89	17-21	29
	7	70	23.30	23.30					
	8	67	25.00	23.30	19.89		96	12-18	22
	9	55	28.90	23.90					
	10	43	28.90	23.90	19.89		101	8-29	23
	11	36	29.40	24.30					
	12 n	27	29.40	24.40	19.89		102	12-19	31

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1953 10.1	4	S	24.90	19.26	4.95	100	8.00	0-7-4	17	
		D	21.10	19.32	1.60	30	7.99	29-13	0	
11.11	1	S	23.50	19.53	5.09	101	8.10	6-11-1	8	
		D	19.10	19.57	4.58	85	8.16	6-16-0	16	
	4	S	24.80	19.38	5.00	101	8.09	6-14-5	10	
		D	21.20	19.44	1.57	30	7.96	40-28	46	
	6	S	24.80	19.31	4.87	98	8.04	6-3-5	6	
		D	21.20	19.43	3.60	68	8.03	14-4-2	19	
	8	S	28.00	15.92	1.80	37	7.61	5-7-5	8	
		D	24.70	17.83			7.69	27-22	8	
12.11	4	S	22.60	19.36	5.12	100	8.15	15-0	5	
		10m	21.30	19.48	4.77	91	8.16	9-4	5	
		D	21.10	19.46	4.62	88		8-12	7	
	4a	S	22.40	19.40	4.36	85	8.07	12-6	5	
		10m	21.30	19.45	4.55	87	8.15	12-4	5	
	4b	D	21.10	19.43	4.71	90	8.15	13-13	17	
		S	22.20	19.35	4.17	80	8.04	24-0	5	
		10m	21.20	19.43	3.76	69	8.05	17-5	15	
	24- 25.11	1	S	21.70	19.00	5.19	99	8.13	4-11-2	10
			D	21.40	19.48	5.22	100	8.14	9-9-2	7
		4	S	22.00	18.77	5.33	102	8.14	6-9-2	7
			10m	21.50	19.41	4.86	93	8.11	5-13-4	19
4a		D	21.50	19.47	3.31	63	8.11	25-9-3	5	
		S	22.40	18.43	5.05	97	8.10	6-9-5	5	
		10m	21.80	19.41	5.13	99	8.10	6-34	5	
4b		D	21.50	19.46	3.77	72	8.08	19-17	0	
		S	22.70	17.99	4.82	93	8.09	6-9-0	0	
6		7m	21.80	19.37	5.58	107	8.12	4-24-3	0	
		D	21.60	19.49	3.22	62	8.00	18-26	7	
8		S	22.20	19.26	5.33	103	8.10	5-13-0	2	
		D	21.50	19.47	3.83	73	8.06	19-8-0	5	
8		S	28.40	1.07	5.28	93	7.53	4-8-5	21	
		D	28.40	0.99	5.15	91	7.41	6-6-2	20	

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N		
1953	3.111	4	S	23.90	19.24	5.20	103	8.15	4-7-0	0	
		10m		23.10	19.28	5.20	102	8.17	2-8-0	4	
			D	21.70	19.44	5.25	101	8.18	2-9-0	0	
		4a	S	24.60	19.25	5.20	104	8.08	5-10-0	0	
		10m		22.60	19.31	5.57	108	8.14	1-14-3	0	
			D	21.60	19.52	2.65	51	8.09	9-11-5	2	
		4b	S	26.00	19.05	4.91	101	8.06	7-5-0	0	
		10m		22.40	19.44	5.39	105	8.13	8-7-0	0	
			D	21.90	19.49	3.64	70	8.12	12-8-0	4	
		6.111	4	S	23.30	19.46	5.11	101	8.12	0-12-0	15
			10m		22.50	19.40	5.20	101	8.13	6-37	4
				D	21.90	19.39	3.05	59	8.10	8-12-0	4
			4a	S	23.40	19.40	5.13	101	8.18	8-4-0	6
			10m		22.60	19.39	6.00	117	8.15	23-0-0	28
				D	21.70	19.51	2.82	54	7.95	16-6-1	50
			4b	S	25.00	18.74	4.94	99	8.11	6-0-0	2
			10m		23.10	19.36	5.36	105	8.13	6-4-0	2
				D	22.70	19.45	6.03	118	8.07	11-26	6
		23.111	1	S	21.10	19.56	5.41	103	8.14	2-10-2	
				D	18.20	19.63	5.31	97	8.19	9-13-3	
			4	S	22.90	19.33	5.52	108	8.15	8-3-0	4
				10m		20.90	19.42	5.00	95	8.15	9-3-0
				D	20.60	19.37	4.25	80	8.13	15-3-8	14
			4a	S	22.60	19.30	5.36	104	8.14	6-8-0	0
	10m				21.20	19.42	5.02	95	8.15	9-6-7	0
			D	20.60	19.40	4.00	75	8.13	20-20	14	
	4b		S	23.20	19.14	5.02	99	8.05	6-5-6	5	
			10m		21.40	19.38	5.20	99	8.10	7-11-0	17
			D	20.80	19.48	3.82	72	8.09	15-17	14	
	6		S	22.90	19.22	5.31	104	8.05	6-0-0	9	
			D	20.70	19.53	4.37	83	8.05	16-18	27	
	8		S	26.00	9.03	5.15	95	7.97	3-0-8	4	
			D	25.10	17.25	3.73	74	7.91	3-0-3	6	

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 1.iv	4	S	21.00	18.47	5.65	106	8.16	5-13	0	
		10m	20.90	19.48	4.06	77	8.07	16-5	4	
		D	20.60	19.53	2.62	49	8.00	30-10	7	
	4a	S	21.60	19.44	5.75	110	8.10	5-8	0	
		10m	21.00	19.47	3.60	68	8.05	19-8	12	
		D	20.60	19.53	2.20	42	7.95	34-17	25	
	4b	S	21.80	18.91	5.34	102	8.09	5-7	3	
		10m	21.40	18.98	5.20	99	8.09	6-14	6	
		D	20.80	19.51	2.26	43	7.96	36-26	40	
	10.iv	1	S	20.90	19.36	5.05	95	8.06	6-6-0	4
			D	21.10	19.51	5.27	100	8.18	5-9-0	0
		4	S	21.10	18.90	5.22	99	8.16	6-4-3	0
10m			20.80	19.12	4.82	91	8.13	8-10-1	0	
4a		D	20.40	19.50	2.33	44	7.95	33-12	78	
		S	21.20	18.95	5.25	99	8.11	7-7-4	0	
4b		10m	20.90	19.19	4.64	88	8.13	9-7-0	4	
		D	20.70	19.51	1.78	34	7.90	37-1-0	78	
6		S	21.20	18.55	4.82	91	8.05	8-0-0	4	
		10m	21.00	19.11	3.96	75	8.01	12-0-4	0	
8		D	20.90	19.35	1.95	37	7.89	27-72	36	
		S	21.30	18.66	5.33	101	8.11	4-6-2	27	
8	D	20.90	19.91	2.02	38	8.01	33-38	38		
	D	22.80	10.55	4.53	81	7.96	2-0-5	16		
23.iv	4	S	22.20	17.36	3.68	70	7.88	2-1-2	3	
		10m	21.10	19.29	5.36	102	8.10	6-4-6	2	
		D	20.80	19.30	5.39	102	8.15	8-9-11	16	
	4a	S	20.60	19.38	4.39	83	8.13	14	16	
		10m	21.30	19.28	5.23	99	8.16	7-7-6	0	
	4b	D	20.80	19.25	5.10	96	8.19	7-25	9	
		S	20.70	19.38	4.05	76	8.13	18-20	0	
	4b	S	21.10	19.03	4.64	88	8.13	9-7-3	0	
		10m	20.80	19.37	3.96	75	8.14	16-7-7	47	
		D	20.80	19.40	3.04	57	8.10	25-10	0	

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1953	5.v	1	S 20.00	15.75	4.93	88	7.94	11-7-7	
		D 20.30	19.32	5.02	94	8.03	12-0-0		
	4	S 18.80	5.82	5.36	101	8.20	18-0-0		
		10m 19.90	19.21	4.08	76	8.09	13-0-8		
	4a	D 19.90	19.22	4.14	77	8.11	17-0-0		
		S 18.80	6.45	5.06	80	8.17	10-16		
	4b	10m 20.00	19.21	4.19	78	7.96	14-0-2		
		D 19.90	19.32	4.29	80	8.07	15-0-6		
	6	S 18.40	4.05	5.49	84	8.17	10-19		
		10m 20.00	19.20	3.86	72	7.93	17-0-2		
	8	D 20.00	19.32	3.71	69	8.02	18-0-4		
		S 18.50	4.07	5.60	86	7.59	11-31		
	21.v	4	D 20.00	19.19	3.68	69	7.81	22-135	
			S 16.80	0.07	5.89	84	8.29	7-0-6	
	28.v	4	D 17.10	19.31	5.70	101	8.14	13-0-3	
			S 17.20	18.43	5.27	93	8.13	8-5-0	
		4a	10m 17.70	18.73	4.93	88	8.12	8-9-0	
			D 18.30	19.10	3.91	71	8.05	19-0-0	
		4b	S 17.70	18.70	4.70	84	8.05	11	
			10m 17.50	18.72	4.88	87	8.03	12	
		1	D 19.80	19.37	1.93	36	8.00	30	
			S 17.90	18.52	4.22	75	8.05	10	
		4	10m 20.00	19.32	1.75	33	7.91	33	
			D 19.80	19.25	2.40	45	7.94	25	
28.v		1	S 17.20	18.77	5.75	102		5-10-0	0
			D 18.00	19.42	5.83	105		7-8-0	0
	4	S 17.00	18.79	5.20	92		7-0-5	45	
		10m 17.10	18.86	5.10	90		9-0-3	21	
	4a	D 16.90	18.97	5.23	92		7-0-17	9	
		S 17.20	18.78	4.98	88		9-2-2	21	
	4b	10m 17.10	18.86	5.02	89		9-0-3	21	
		D 17.20	18.97	5.23	92		9-0-0	7	
	1	S 17.40	18.75	4.70	83		10-2-4	41	
		10m 17.50	18.90	4.50	80		13-4-0	45	
	D 17.20	18.92	4.58	81		14-0-5	41		

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N		
1953	28.v	6	S	17.60	18.37	5.49	97	6-4-7 8-9-0 1-4-14 4-6-0	0 18 115 18		
			D	17.10	18.84	5.25	93				
		8	S	17.20	1.90	6.99	103				
			D	18.10	17.06	4.13	73				
	3.vi	4	S	16.60	19.17	5.27	93	8.12	8-8-0 9-9-0 8-7-0 9-5-0 10-6-0 9-5-0	0 0 0 2 0 0	
				D	16.90	19.23	5.31	94			8.17
			4a	S	16.80	19.04	5.12	90			8.17
				D	16.90	19.19	5.21	92			8.19
			4b	S	16.20	18.76	4.90	85			8.15
				D	16.80	19.11	5.15	91			8.19
		1- 2.vii	1	S	16.40	19.63	5.39	95	8.00	6-2-1	44
				D	14.30	19.43	5.89	100	8.11		
4			S	13.80	19.35	5.96	100	8.18	9	63	
			D	13.60	19.37	6.11	102	8.20	12		
4a			S	13.70	19.29	5.98	100	8.17	8	73	
			D	13.70	19.32	6.06	101	8.17	8-0-0		
4b	S		13.70	19.34	6.01	101	8.18	20-3	51		
	D		13.60	19.24	5.89	98	8.14	6-0-0			
6	S		13.60	19.29	5.86	98	8.14	8-0-0	67		
	D		15.50	19.25	5.86	101	8.15	10			
8	S		13.80	19.25	5.98	100	8.13	8-0-2	60		
	D		13.70	19.25	5.96	100	8.14	8-0-9			
29.vii	1	S	14.10	16.44	5.70	93	8.10	5-3-0	33		
		D	14.90	17.89	4.11	69	8.03	4-2-0			
29.vii	4	S	15.90	19.69	5.64	99	8.26	10-0-0	3		
		D	15.80	19.63	5.64	98	8.28	10-2-0			
	4	S	13.90	19.45	5.71	96	8.24	7-7-2	5		
		D	13.80	19.46	5.87	99	8.24	7-9-2			
		D	13.80	19.44	5.85	98	8.24	6-11-0	0		

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 29.vii	4a	S	13.90	19.49	5.87	99	8.27	8-7-7	0	
		10m	13.60	19.45	6.03	101	8.28	11-23	3	
		D	13.40	19.44	5.71	95	8.28	10-25	0	
	4b	S	13.10	19.44	5.77	96	8.28	12-8-3	0	
		10m	13.30	19.37	5.82	97	8.28	9-3-2	0	
	6	D	13.00	19.34	5.64	93	8.26	9-6-0	1	
		S	13.90	19.47	5.87	99	8.25	10-11	0	
	8	D	14.00	19.49	5.90	100	8.28	9-38	0	
		S	13.80	16.28	5.68	92	8.01	5-3-4	8	
		D	13.80	11.30	6.25	96	8.07	4-4-0	13	
	2.ix	1	S	14.70	19.75	5.60	96	8.18	16-14	0
			D	14.60	19.69	5.24	89	8.07	14-8-2	0
		4	S	14.80	19.50	5.97	102	8.24	11-1-0	0
			10m	14.50	19.61	5.71	97	8.27	9-0-0	0
			D	15.20	19.61	5.16	89	8.28	7-9-0	0
		4a	S	14.90	19.62	5.83	100	8.25	4-11-5	0
10m			14.50	19.62	5.97	102	8.26	6-60	0	
4b		D	14.00	19.62	5.42	92	8.26	10-3-0	0	
		S	14.80	19.58	5.71	98	8.25	8-6-0	0	
6		10m	14.60	19.44	5.98	102	8.28	10-37	4	
		D	14.40	19.50	5.71	97	8.27	12-2-1	0	
8		S	14.70	19.52	5.71	97	8.29	12-0-0	4	
		D	14.80	19.47	5.60	96	8.28	12-1-0	0	
15.ix		1	S	16.00	19.45	4.75	83	8.26	8-13-0	16
			D	15.20	18.11	4.19	71	8.28	8-2-0	17
		4	S	14.30	19.47	6.37	108	8.20	5-13-2	12
	D		15.80	19.61	6.41	112	8.25	4-16-0	19	
	4a	S	15.90	19.57	5.81	101	8.24	4-5-9	3	
		10m	15.30	19.59	5.70	98	8.24	5-2-0	2	
	4b	D	15.00	19.54	5.43	93	8.22	8-2-4	3	
		S	15.70	19.60	5.76	100	8.21	7-2-0	10	
	4a	10m	15.30	19.55	5.87	101	8.22	4-3-5	7	
		D	15.00	19.55	5.33	92	8.22	5-4-0	12	
4b	S	15.60	19.55	5.67	98	8.21	3-6-1	0		
	10m	15.30	19.55	5.81	100	8.22	3-6-0	0		
		D	15.00	19.55	5.22	90	8.20	8-2-0	0	

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1953 15. ix	6	S	16.10	19.57	5.78	101	8.19	4-39	0
		D	15.30	19.57	5.25	91	8.20	7-2-21	23
	8	S	17.40	17.77	5.65	99	8.13	3-8-11	17
		D	16.40	18.42	5.13	89	8.15	0-14-0	0
15- 16. x	1	S	17.30	19.56	5.56	99	8.32	6-3	0
		D	18.60	19.64	5.74	105	8.25	7-3-1	0
	4	S	17.20	19.52	5.42	97	8.22	10-4-2	0
		D	16.40	19.64	5.13	90	8.21	11-15	5
	6	S	17.20	19.47	5.52	98	8.17	9-5-3	3
		D	18.30	19.65	5.19	95		13-6-9	0
	8	S	18.00	18.30	5.52	98	8.01	5	0
		D	18.20		5.49		8.07		

Location: PORT HACKING

Date	Station	Int. P.	Ads. P.	Total P.	Total Fe	Org. C.	Total N.	% Silt
1953								
30.i	4	12.0	4	540	28.5		4.6	66
4.ii	4	8.0	9	860	27.0	54	4.8	71
	8	1.5	143	880	38.5	82	6.0	8
24.ii	4	8.0	6	915	31.4	81	5.9	85
25.ii	8	0.5	96	645	28.7	32	3.5	4
23.iii	4	0	9	901	29.9	43	4.8	87
	8	0	128	919	33.1	48	4.8	7
1.iv	4	3.0	5	967	29.6	53	5.2	87
10.iv	4	8.5	15	796	26.1	52	5.3	87
	8	5.5	129	1114	36.5	59	4.0	12
23.iv	4	10.0	21	875	27.0	68	5.3	89
5.v	4	5.0	10	913	28.4	54	4.5	84
	8	0	207	920	39.7	70	4.5	23
28.v	4	3.5	21	814	17.6	47	4.6	59
	8	0	91	385	15.7	33	1.9	10
3.vi	4	5.0	11	678	14.0		3.8	77
1.vii	8	3.5	34	403	20.4	33	1.90	48
29.vii	4	9.0	10	822	24.6	58	4.6	91
	8	0	164	938	43.0	51		1
2.ix	4	5.25	17	1020	27.6	59	4.5	82
15.ix	4	6.0	62	1019	29.0	57	5.0	55
15.x	8	0.25	89	871	36.5		4.3	25

Location: PORT HACKING - MAIANBAR

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1953									
30.i	1	S	23.20	19.59	5.16	102	8.15	2-23	3
	2	S	23.10	19.55	6.21	122	8.16	0-9-5	5
	3	S	25.30	18.85	4.42	90	8.08	0-17-3	4
		D	22.80	19.10	1.08	22	7.99	22-52	4
	4	S	25.40	18.66	4.62	92	8.07	0-18-0	4
		D	23.00	19.04	1.34	27	7.99	26-65	4
13.ii	1	S	22.30	19.62	5.98	116	8.13	10-12	0
	2	S	23.30	19.24	5.18	102	8.12	11-10	0
	3	S	23.20	18.95	4.44	87	8.05	12-17	0
		D	21.50	19.12	4.20	80	8.00	12-8-8	5
	4	S	23.40	18.92	4.30	84	8.00	12-17	0
		D	21.00	18.98	3.84	72	7.98	15-31	0
3.iii	1	S	25.70	19.40	6.95	143	8.24	11-9-0	0
	2	S	25.30	19.26	7.85	160	8.17	15-3-0	0
	3	S	24.70	18.01	5.05	100	7.98	11-16	0
		D	22.10	19.21	0.17	3	7.78	22-49	35
	4	S	24.70	18.24	5.05	101	8.04	14-17	0
		D	22.70	19.23	0.63	12	7.82	18-32	0
1.iv	1	S	21.40	19.40	7.15	137	8.19	9-8-8	0
	2	S	21.20	14.73	7.42	134	8.30	11-1-0	0
	3	S	20.00	12.92	5.08	88	8.25	4-8-0	0
		D	22.20	18.94	0.49	9	7.76	37-48	0
	4	S	21.50	13.08	5.25	94	7.87	6-9-5	0
		D	21.90	19.11	0	0	7.22	111	4
30.vii	1	S	13.30	19.29	5.94	99	8.12	6-8-7	5

Location: PORT HACKING - MAIANBAR

Date	Station	Int. P.	Ads. P.	Total P.	Total Fe	Org. C.	Total N.	% Sit
1953								
30.i	1	0	43	2500	57.0	75	10.1	3
	2	6.5	28	1380	28.5	119	11.3	11
	3	20.0	58	1190	29.0	82	5.7	56
	4	36.5	20	1250	33.5	101	6.0	63
13.ii	1		0	805	11.9	19	3.8	
	2	0.5	41	1252	11.3	74	9.6	4
	3	11.0	0	1395	39.9	119	7.5	64
	4	0.5	13	1043	36.2	118	7.5	13
3.iii	1	0	20	1479	15.6	17	5.0	3
	2	1.5	74	1090	22.4	66	8.0	5
	3	0	0	1142	35.4	120	7.0	64
	4	4	13	858	28.0	96	6.6	43
1.iv	1	0.5	7	190	2.7	5	0.5	6
	2	3.5	42	2046	34.3	117	11.1	7
	3		20	1334	32.3	80	6.2	
	4	17.0	71	1496	38.4	99	7.1	74
30.vii	1	0.25	29	1338	44.1	76	7.4	1

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 15.i	1	0	15.70	18.75	3.78	65		9-6	5
		43	16.20	18.94	4.52	79		10-3	0
	6	0	16.20	19.02	3.49	61		10-8	7
		14	15.60	19.04	3.07	53		9-22	10
20.ii	1	0	17.50	19.11	5.80	103		5-7	5
		30	16.95	19.11	5.67	100		7-0	7
	6	0	17.60	18.93	5.67	101		5-4	0
		14	17.10	18.94	5.70	101		7-1	0
20.iii	1	0	16.75	19.16	5.00	88		9-13	5
		20	16.55	19.23	4.92	86		6-5	23
	6	0	16.70	18.92	4.87	85		7-3	45
		14	16.57	19.91	5.04	89		9-2	32
16.iv	1	0	15.48	19.05	4.20	72		9-8	20
		37	15.38	19.16	4.92	85		7-6	0
	6	0	14.70	18.91	5.25	89		6-7	25
		10	14.65	18.91	5.28	89		9-7	33
12.v	1	0	13.25	18.74	5.88	97		9-12	
		22	13.90	19.20	5.78	97		13-13	
	6	0	13.35	18.79	5.88	97		11-13	
		18	13.45	18.84	5.28	88		12-14	
21.vi	1	0	10.30	18.11	5.88	91		6-16	41
		22	11.40		5.68			5-11	31
	6	0	8.60	15.04	4.35	62		7-17	23
		18	11.60	18.91	2.17	35		7-10	38
27.vii	1	0	9.30	17.53					
		25	12.20						
	6	0	9.70	17.68				9-5	
		14	11.10						
18.viii	1	0	8.80	17.35	6.51	96		8-9	36
		22	11.00	19.05	5.71	91		10-11	45
	6	0	9.35	17.50	6.40	96		9-11	26
		14	11.15	18.89	5.39	86		12-3	36

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1953 29.ix	1	0	12.60	15.82	6.75	106		4-12	14
		34	11.20	18.91	5.65	90		10	29
	6	0	11.20	17.65	6.46	101		5-18	24
		15	11.15	18.34	5.94	94		7-9	21
7.x	1	0	12.20	17.60					
		25	11.40	19.11					
	6	0	11.70	17.77					
		10	11.60	18.37					
27.x	1	0	13.30	18.58	6.07	100		6-3	0
		20	12.40	18.76	6.00	98		5-7	0
	6	0	13.70	18.77	6.75	112		5-2	0
		14	12.30	18.92	6.45	105		6-5	0
17.xi	1	0	13.40	19.34	4.66	78		7-18	4
		30	12.40	19.14	2.06	34		6-16	4
	6	0	14.10	17.12	5.42	89		3-23	4
		20	13.10	17.85	5.20	85		1-25	4
7.xii	1	0	14.00	18.31				10-9	23
		30	13.10	18.97				15-7	154
	6	0	13.60	18.06				10-9	44
		14	13.70	18.99				19-3	10

Location: PITTWATER - TASMANIA

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 8.i	2	S	20.60	19.77	1.68	32		7-21	16
	3	S	18.90	19.54	1.56	29		2-20	10
	4	S	21.10	20.20	1.91	37		12-27	30
5.ii	2	S	21.10	20.52				8-16	0
	3	S	20.00	20.16				4-14	12
	4	S	21.10	20.70				6-20	15
6.iii	2	S	11.70	18.81				5-17	37
	3	S	12.80	18.88				2-13	45
	4	S	12.20	18.83	3.58	58		5-24	7
3.iv	2	S	12.80	19.25				8-7	
	3	S	12.80	19.24				5-17	
	4	S	12.20	19.26				10-18	
1.v	2	S	8.89	19.07	4.79	73		6-13	
	3	S	10.00	18.94	5.91	92		8-4	
	4	S	7.78	19.15	5.31	79		6-19	
5.vi	2	S	4.44	15.13	6.43	84		4-21	0
	3	S	5.00	17.43	6.66	91		4-12	0
	4	S	5.56	18.07	5.97	83		5-19	22
8.vii	2	S	6.11	17.55				6-16	0
	3	S	6.11	17.67				9-10	4
	4	S	6.11	16.92				10-4	0
0.viii	2	S	7.22	17.39	6.49	93		2-9	12
	3	S	7.22	17.71	6.23	90		3-15	27
	4	S	7.78	17.35				4-7	32
7.ix	2	S	10.60	12.26				9-29	60
	3	S	10.00	12.50				14-21	71
	4	S	10.60	12.25				21-28	74

Location: PITTWATER - TASMANIA

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953									
22.x	2	S	11.70		5.08			3-87	21
	3	S	11.70		5.91			4-34	0
	4	S	12.20		3.94			5-50	0
26.xi	2	S	16.10	16.36				11-21	24
	3	S	15.60	17.01				6-26	26
	4	S	16.70	16.00				28-97	34
29.xii	2	S	15.60	18.53				3-11	0
	3	S	15.00	19.57				7-9	2
	4	S	16.70	18.48				10-28	8

Location: PITTWATER - TASMANIA

Date	Station	Int. P.	Adz. P.	Total P.	Total Fe	Org. C.	Total N.	% Site
1953								
28.i	2	2.0	238	960	53	27	6.0	8
	3	2.5	136	1230	55	43	8.2	6
	4	5.5	59	340	32	15	1.6	45
25.ii	2	0.5	38	687	41.1	19	3.3	4
	3	2.5	163	1212	26.7	11	6.3	6
	4	4.0	50	276	25.8	11	1.4	62
26.iii	2	0	198	919	47.9	19	5.6	7
	3	0	95	968	43.0	21	7.0	6
	4	1.5	43	124	24.2	9	1.2	76
23.iv	2	4.5	191	2224	47.3	15	4.4	6
	3	3.5	131	4485	37.6	19	7.7	4
	4	3.0	36	204	17.7	6	1.1	69
21.v	2	1.5	165	519	22.3	22	3.8	15
	3	2.5	175	1993	79.2	44	8.8	3
	4	23.5	20	177	14.9	12	1.4	47
25.vi	2	3.75	148	1123	40.0	20	6.12	5
	3	5.5	32	889	43.5	29	4.7	10
	4	3.5	50	225	21.0	9	1.05	59
28.vii	2	3.5	365	1365	51.1	23	5.05	64
	3	4.5	87	948	23.3	10	1.75	11
	4	2.0	83	376	31.5	14	1.79	70
20.viii	3	1.5	96	276	43.5	26	4.06	5
	4	2.0	111	465	38.6	14	1.82	54
22.ix	2	6.5	132	568	36.8	10	2.16	56
	3	2.5	169	1557	61.4	27	4.00	12
	4	4.5	98	679	41.2	11	1.57	66
26.xi	2	0.25	114	1216	44.5	10	3.16	3
	4	0.5	63	270	11.6	18	1.57	23

Location: PITTWATER - TASMANIA

Date	Station	Inc. P.	Ads. P.	Total P.	Total Fe	Org. C.	Total N.	% Silt
1953								
29.11	2	0.75	126	856	40.0	28	4.8	4
	3	0	117	1378	23.2	12	5.4	11
	4	0	120	465	38.7	14	2.5	46

Location: SWAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 14.iv	1	S	21.60	19.88	4.81	93	8.33	4-5	11	
		D	21.20	19.93	4.75	91	8.32	3-6	0	
	2	S	21.40	19.90	4.75	92	8.31	6-3	0	
		D	21.40	19.92	4.75	92	8.31	6-3	0	
	3	S	21.35	19.93	4.41	85	8.28	6-5	6	
		D	21.30	19.94	4.45	85	8.27	6-8	7	
	3a	S	21.30	19.89	4.63	89	8.29	5-9	4	
		D	21.00	20.04	3.98	76	8.25	12-8	0	
	4	S	21.30	19.76	4.41	85	8.34	8-8	0	
		D	19.90	19.96	3.70	70	8.24	13-10	0	
	4a	S	21.30	19.73	5.52	106	8.34	7-12	0	
		D	21.00	19.97	3.91	75	8.25	14-4	0	
	4b	S	21.40	19.70	5.08	98	8.34	8-6	0	
		D	20.80	19.95	3.18	60	8.21	14-8	0	
	5	S	21.40	19.59	5.28	101	8.36	8-12	0	
		D	20.80	19.87	2.83	54	8.17	22-2	0	
	5a	S	21.60	19.48	5.08	98	8.31	17-14	4	
		D	21.40	19.55	4.57	88	8.30	16-17	0	
	6	S	21.20	19.19	3.81	72	8.20	11-12	0	
		D	21.50	19.49	4.64	89	8.28	11-12	0	
	7	S	21.50	19.15	4.10	78	8.24	8-19	0	
		D	21.50	19.63	4.57	88	8.28	17-10	0	
	17.iv	3	S	22.20	19.92	4.50	88	8.04		
			D	20.60	19.91	4.50	85	8.06		
3a		S	21.10	19.84	4.50	86	8.06			
		D	20.60	19.88	4.33	82	8.05			
4		S	20.90	19.80	4.92	94	8.09			
		D	20.70	19.96	4.04	77	8.04			
4a		S	20.90	19.71	4.60	88	8.06			
		D	20.80	19.78	4.18	80	8.04			
4b		S	21.20	19.69	4.80	92	8.07			
		D	20.70	19.78	4.10	78	8.05			
5		S	20.80	19.62	4.99	95	8.10			
		D	20.70	19.78	3.98	76	8.03			
6		S	20.80	19.45	4.92	93	8.08			
		D	21.00	19.52	3.98	76	8.04			
7	S	21.20	18.40	3.20	60	7.82				
	D	20.80	19.33	4.38	83	8.05				

Location: SWAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1953 4.v	1	S	19.40	19.84	5.20	97	8.16	4-12	2
		D	19.50	19.92	5.28	98	8.15	5-15	0
	2	S	19.35	19.72	5.24	98	8.16	4-76	0
		D	19.40	19.73			8.16	4-31	0
	3	S	18.80	19.07	5.63	103	8.19	4-14	0
		D	19.20	19.51	5.45	101	8.17	4-11	6
	3a	S	17.60	16.63	7.40	129	8.34	5-17	6
		D	19.05	19.33	5.17	95	8.13	5-8	8
	4	S	17.30	16.55	7.45	129	8.34	3-54	9
		D	19.50	19.65	5.00	93	8.14	15-22	11
	4a	S	17.20	15.49	6.75	115	8.26	7-17	109
		D	20.20	19.63	3.91	73	8.04	11-14	6
	4b	S	17.80	13.48	7.02	119	8.24	9-14	249
		D	20.30	19.51	3.84	72	8.02	13-13	6
	5	S	16.90	9.79	7.40	118	8.26	6-15	630
		D	20.40	19.48	3.44	65	8.00	13-10	10
	5a	S	20.50	17.92	6.13	114	8.14	7-14	6
		D	19.30	19.19	3.03	56	7.83	9-14	0
	6	S	17.90	8.57	6.65	106	8.04	7-17	680
		D	20.45	19.30	3.44	65	7.95	9-6	14
	7	S	18.70	7.44	6.68	107	8.20	8-20	665
		D	20.70	19.23	2.82	53	7.91	12-13	43

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 13.v	3	0	15.50	13.50	6.58	107			
		2	16.60	17.02	5.63	97			
		4	17.60	18.25	4.80	85			
		6	17.60	18.35	5.22	93			
		9	17.80	19.13	5.05	91			
	3a	0	14.80	11.50	6.78	106			
		2	17.20	17.36	5.44	95			
		4	17.30	17.81	5.15	90			
		6	17.60	18.25	4.95	88			
		8	17.80	18.72	4.68	84			
		10	17.80	18.74	4.68	84			
		12	17.80	18.82	4.71	80			
		14	17.80	18.89	4.86	87			
		16	17.80	19.04	4.90	88			
		18	17.80	19.18	4.98	90			
	4	0	14.40	10.49	6.59	101			
		2	16.30	13.40	6.55	107			
		4	17.10	16.97	5.46	95			
		6	18.80	17.74	4.27	77			
		8	19.10	18.72	3.93	72			
		10	19.30	19.04	3.54	65			
		12	19.40	19.13	3.51	65			
		14	19.40	19.33	3.31	61			
		16	19.40	19.33	3.28	61			
		18	19.40	19.33	3.19	59			
	4a	0	14.40	10.14	6.37	97			
		2	16.80	14.89	6.33	106			
		4	17.60	17.54	5.21	91			
		6	18.90	18.54	3.90	71			
		8	19.00	18.69	3.69	67			
		10	19.20	18.84	3.54	65			
		12	19.40	19.23	3.37	62			
		14	19.50	19.38	3.00	56			

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 20.v	3a	18	17.60	18.94	4.61	82			
		4	0	14.80	10.71	7.56	127		
	4	2	16.50	14.18	6.40	106			
		4	17.45	17.67	4.07	71			
		6	17.80	18.34	4.05	72			
		8	17.90	18.65	4.11	73			
		10	17.95	18.84	4.07	73			
		12	17.80	18.84	4.40	79			
		14	17.95	19.02	4.11	74			
		16	17.90	19.04	4.24	76			
		18	17.80	19.14	4.74	85			
		4a	0	15.00	10.41	7.83	121		
	2		16.40	14.51	6.07	101			
	4		17.35	17.48	4.72	82			
	6		17.80	18.26	4.02	71			
	8		18.00	18.68	3.96	71			
	10		18.10	18.84	3.72	67			
	12		18.20	18.89	3.54	64			
	4b		0	15.30	10.39	8.08	126		
		2	16.70	14.38	6.17	103			
		4	17.90	17.65	3.78	67			
		6	18.05	18.14	3.78	67			
		8	18.15	18.75	3.51	63			
		10	18.15	18.83	3.28	59			
		13	18.20	18.95	3.37	61			
		5	0	15.10	10.12	7.38	114		
	2		17.20	16.28	4.43	74			
	4		18.10	17.92	2.69	48			
	6		18.20	17.97	2.39	43			
	8		18.20	18.55	2.63	47			
	10		18.20	18.55	3.19	57			
	12		18.20	18.75	3.03	55			

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 20.v	6	0	16.40	9.45	6.95	110				
		2	17.00	15.49	4.24	72				
		4	18.20	17.99	2.12	38				
		6	18.35	18.16	1.67	30				
	7	0	16.95	11.81	5.88	96				
		1.5	17.40	14.51	3.19	54				
		3	18.30	17.57	1.41	25				
	27.v	3a	0	16.85	9.72	6.85	109			
			2	16.90	13.05	6.77	112			
			4	17.40	16.64	5.01	87			
			6	17.75	17.82	4.72	83			
			8	18.00	18.60	4.95	89			
			10	18.00	18.60	4.95	89			
			12	18.10	18.84	4.97	90			
14			18.10	18.99	4.97	90				
4		0	16.35	10.36	7.45	118				
		2	16.70	12.06	7.50	122				
		4	17.40	16.01	3.75	64				
		6	18.00	18.06	4.90	87				
		8	17.90	18.45	4.75	85				
		10	17.85	18.53	4.43	79				
		12	17.90	18.65	4.30	77				
		14	17.90	18.70	4.11	74				
		16	17.95	18.84	4.00	72				
		18	17.95	18.94	3.90	70				
20		18.05	19.04	3.93	71					
4a		0	17.40	11.66	7.21	118				
		2	17.40	12.01	7.03	116				
		4	17.50	15.61	3.71	64				
	6	17.80	17.33	2.63	46					
	8	17.90	18.36	3.10	55					
	10	18.05	18.60	3.06	55					
	13	18.10	18.99	3.17	57					

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 27.v	5	0	17.40	11.02	6.95	113				
		2	16.65	12.95	5.37	88				
		4	17.65	15.96	2.81	49				
		6	17.90	17.82	2.27	40				
		8	18.10	18.58	2.02	36				
		10	18.10	18.70	2.20	40				
		12	18.10	18.84	2.20	40				
	6	0	16.05	10.66	6.45	102				
		2	16.65	13.34	6.30	104				
		4	17.90	14.58	3.50	60				
		6	17.90	18.01	1.26	22				
	7	0	16.70	8.16	5.81	91				
		1.5	16.60	13.18	5.40	89				
		3	17.20	14.63	3.28	55				
	4.vi	2	0	19.40	18.60	5.15	95	7.54	3-18	57
			6	19.20	19.28	5.08	94	7.54	3-11	8
	3	0	0	17.50	8.03	6.95	110	7.56	3-24	615
			2	17.60	14.52	5.00	85			
			4	18.40	16.34	4.72	88			
			6	18.60	17.81	4.46	80			
			9	18.75	18.38	4.50	81	7.46	9-14	105
3a	0	0	17.20	7.58	6.88	108	7.48	6-42	622	
		2	17.55	14.07	5.00	84				
		4	18.45	16.98	4.28	76				
		6	18.70	17.86	4.25	76				
		8	18.70	18.40	4.03	73				
		10	18.60	18.74	3.60	65				
		12	18.40	18.77	3.53	64				
		14	18.40	18.77	3.31	60				
		16	18.35	18.89	3.17	58				
18	18.40	18.89	3.13	57	7.32	17	75			

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N			
1953 4.vi	4	0	16.35	7.48	6.62	102	7.50	5-22	615			
		2	17.20	11.09	5.58	91						
		4	18.30	17.32	3.71	66						
		6	18.65	18.11	3.96	71						
		8	18.60	18.35	3.67	66						
		10	18.40	18.60	3.38	61						
		12	18.25	18.73	3.28	59						
		14	18.20	18.82	3.13	57						
		16	18.20	18.84	2.99	54						
		18	18.25	18.87	3.02	55						
	20	18.30	18.89	2.92	53	7.27	19-9	84				
	4a	0	16.15	7.43	6.70	103	7.44	7-12	634			
		2	17.25	11.44	5.33	87						
		4	18.20	16.78	3.60	63						
		6	18.50	18.06	3.60	65						
		8	18.20	18.38	2.63	47						
		10	18.20	18.70	2.77	50						
		12	18.20	18.70	2.70	49				7.31	15-11	102
		4b	0	15.65	7.33	6.55				99	7.43	6-19
	2		17.30	12.53	3.85	63						
	4		17.90	16.34	2.88	50						
	6		18.20	18.04	2.09	37						
	8		18.20	18.45	1.84	33						
	10		18.10	18.55	2.09	37						
	13		18.10	18.70	2.38	43	18-12	112				
	5	0	15.60	5.76	6.05	90	7.24	9-16	630			
		2	17.60	14.32	2.02	34						
		4	17.80	16.34	1.45	25						
		6	18.10	18.30	0.72	13						
		8	18.10	18.55	0.83	15						
		10	18.10	18.49	0.97	17						
		12	18.10	18.60	1.01	18				7.08	28-17	115

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N			
1953	4.vi	6	0	16.00	5.92	6.00	91	7.23	5-28	626		
			2	17.50	13.73	2.45	41					
			4	18.00	17.32	0.25	4					
			6	18.00	18.06	0	0	6.90	54-14	117		
			7	0	16.50	6.42	5.55	84	7.20	7-21	638	
			1.5	17.20	8.49	5.98	95					
			3	17.80	14.76	0.93	16	6.90	21-18	243		
	10.vi	3	3	0	15.60	11.84	6.00	96				
				2	15.90	12.78	5.58	90				
				4	16.60	15.60	4.41	75				
				6	17.90	17.26	3.16	56				
				9	18.20	18.43	2.28	41				
			3a	3a	0	15.50	11.19	6.11	96			
				2	15.50	11.69	6.05	96				
				4	16.60	14.91	4.98	84				
				6	17.80	16.98	3.27	57				
				8	18.35	18.33	2.20	40				
				10	18.35	18.40	2.35	42				
		12		18.25	18.43	2.17	39					
		14		18.05	18.65	2.17	39					
		16		18.15	18.74	2.20	40					
		18	18.20	18.74	2.28	41						
		4	4	0	15.10	9.99	6.00	93				
			2	15.10	10.29	6.22	96					
			4	16.55	14.07	4.16	69					
			6	17.90	17.03	3.16	55					
			8	18.25	17.67	2.56	45					
			10	18.20	18.16	1.85	33					
			12	18.10	18.26	1.64	29					
			14	18.10	18.58	1.74	31					
			16	18.20	18.70	1.81	33					
	18	18.20	18.70	1.71	31							

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 10.vi	4a	0	15.00	8.34	6.22	94				
		2	15.10	10.57	5.59	87				
		4	16.95	13.82	3.52	59				
		6	17.90	16.81	2.74	48				
		8	18.05	17.60	1.89	33				
		10	18.15	18.24	1.46	26				
		12	18.15	18.45	1.78	32				
		14	18.10	18.58	1.67	30				
		4b	0	14.75	7.73	6.08	91			
			2	14.85	7.73	6.25	94			
			4	16.50	12.43	3.38	55			
			6	17.90	17.08	1.27	22			
			8	18.15	18.16	0.65	12			
			10	18.15	18.55	1.00	18			
	5	0	15.00	6.34	5.45	80				
		2	15.20	7.19	5.16	77				
		4	15.20	8.64	4.70	72				
		6	17.90	17.43	0.50	9				
		8	18.10	18.31	0.18	3				
		10	18.10	18.36	0.18	3				
	6	0	14.75	4.98	5.40	78				
		2	15.10	5.63	5.51	82				
		4	14.70	6.64	5.70	84				
		6	17.50	16.21	0	0				
	7	0	13.80	2.35	5.72	79				
		1.5	13.80	2.50	5.90	82				
		3	13.70	3.46	6.05	85				

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 18.vi	3	0	13.50	3.68	6.90	96				
		2	13.55	3.99	6.08	85				
		4	16.70	15.41	3.41	58				
		6	17.35	17.60	3.09	54				
		9	17.40	17.03	3.41	59				
	3a	0	13.10	3.23	6.40	88				
		2	13.25	3.58	6.40	89				
		4	14.35	6.27	5.18	76				
		6	17.30	17.03	2.98	52				
		8	17.60	17.94	2.74	48				
		10	17.40	18.24	3.98	70				
		12	17.80	18.45	2.52	45				
		14	18.00	18.45	2.24	43				
		16	17.95	18.50	1.81	32				
		18	18.20	18.50	1.56	28				
		4	0	13.30	2.77	6.25	86			
			2	13.30	3.48	6.32	87			
			4	13.90	5.36	5.44	78			
	6		17.35	16.39	2.49	43				
	8		17.75	17.40	2.13	38				
	10		17.80	17.94	1.85	33				
	12		18.00	18.35	1.35	24				
	14		18.05	18.48	0.96	17				
	16		17.95	18.50	0.96	17				
	18		18.30	18.58	0.78	14				
	4a		0	12.95	2.71	6.11	83			
		2	13.05	3.20	6.18	85				
		4	13.90	4.75	5.72	81				
		6	17.45	16.54	1.78	31				
		8	17.90	17.75	1.03	18				
		10	17.80	17.96	1.56	28				
		12	17.80	17.96	1.21	21				
		14	18.40	17.77	1.32	24				

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 18.vi	4b	0	13.30	3.00	6.25	86				
		2	13.30	3.00	6.36	88				
		4	14.95	8.39	3.88	59				
		6	17.55	17.01	1.03	18				
		8	17.95	17.81	0.32	6				
		10	18.10	18.25	0.32	6				
		13	18.10	18.48	0.60	11				
	5	0	12.75	2.00	5.72	77				
		2	12.75	2.03	6.08	82				
		4	16.30	10.42	3.02	48				
		6	17.80	17.08	0.18	3				
		8	18.10	17.91	0	0				
		10	18.20	18.11	0.11	2				
		12	17.70	17.75	0.43	8				
	6	0	12.75	1.94	5.62	76				
		2	13.50	2.36	5.80	80				
		4	14.75	11.74	2.60	41				
		6	15.70	16.78	0	0				
	7	0	12.40	1.42	5.75	77				
		1.5	12.60	3.07	5.50	75				
		3	13.40	3.61	4.90	68				
	24.vi	3	0	13.40	2.41	6.40	88			
			2	13.35	2.41	6.33	87			
			4	15.60	14.67	4.78	79			
			6	16.50	17.28	3.84	66			
			9	17.10	18.01	2.84	50			
		3a	0	13.30	2.27	6.36	87			
			2	13.30	2.32	6.44	88			
4			15.35	14.04	4.38	71				
6			16.05	16.82	4.63	79				
8			17.25	17.76	2.92	51				
10			17.75	18.25	1.72	31				
12			17.95	18.79	1.41	25				

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 24.vi	3a	14	18.00	18.43	1.04	19			
		16	18.05	18.45	0.98	18			
		18	17.65	18.45	0.92	16			
	4	0	13.35	2.26	6.46	89			
		2	13.30	2.26	6.40	88			
		4	14.85	8.94	5.15	78			
		6	17.00	16.74	2.08	36			
		8	17.55	17.47	1.78	31			
		10	17.95	18.14	1.04	19			
		12	18.10	18.30	0.67	12			
		14	18.15	18.38	0.67	12			
		16	18.25	18.40	0.43	8			
		18	18.25	18.45	0.27	5			
		20	18.35	18.55	0.24	4			
	4a	0	13.40	2.22	6.46	89			
		2	13.00	2.22	6.46	88			
		4	14.35	9.62	3.43	52			
		6	17.00	16.31	1.81	31			
		8	17.85	17.66	0.61	11			
		10	18.00	18.10	0.52	9			
		12	18.05	18.33	0.49	9			
		14	17.05	18.18	0.58	10			
	4b	0	13.20	2.15	6.33	86			
		2	13.00	2.15	6.40	87			
		4	13.60	3.89	5.75	80			
		6	17.35	16.47	1.11	19			
		8	17.95	17.65	0.12	2			
		10	18.05	18.06	0.31	6			
		13	18.25	17.80	0.40	7			
	5	0	13.05	1.80	6.14	83			
		2	12.90	1.85	6.33	86			
		4	13.95	5.16	4.15	60			
		6	17.40	16.24	0	0			
		8	17.90	17.57	0	0			

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953									
24.vi	5	10	18.15	17.86	0	0			
		12	18.20	17.86	0	0			
	6	0	12.90	1.74	5.91	80			
		2	13.40	1.74	5.95	81			
		4	13.20	3.76	5.43	75			
		6	17.60	6.17	3.98	62			
	7	0	12.80	1.16	5.85	79			
		1.5	12.70	1.93	5.68	77			
		3	13.10	2.36	5.39	74			
1.vii	3	0	13.70	1.65	5.65	77		25	
		2	13.55	1.65	5.80	79		23	
		4	15.10	7.01	5.68	85		21	
		6	16.25	13.89	5.12	84		29	
		9	16.95	17.24	5.18	90		4	
	3a	0	13.60	1.55	5.39	74		21	
		2	13.55	1.55	5.33	73		21	
		4	14.85	8.93	5.04	77		16	
		6	16.55	15.51	5.08	86		14	
		8	17.15	16.13	3.87	66		18	
		10	17.55	17.05	3.40	60		19	
		12	17.90	17.79	1.84	33		25	
		14	18.20	18.03	1.44	26		31	
		16	18.20	18.13	0.82	15		35	
	4	0	13.10	1.39	5.34	73		21	
		2	13.10	1.50	5.50	75		18	
		4	15.15	3.96	5.15	74		23	
		6	17.10	17.20	3.51	61		32	
		8	17.65	16.98	1.41	24		23	
		10	18.00	17.36	0.64	11		26	
		12	18.30	18.05	0.55	10		35	
		14	18.30	18.23	0.40	7		33	
		16	18.30	18.35	0.21	3		35	
	18	18.30	18.40	0.18	3		33		

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953	1.vii	4a	0	13.20	1.32	5.68	77	26	
			2	13.30	1.37	5.80	79	25	
		4	15.10	2.55	5.53	79	25		
		6	17.40	16.33	1.50	26	39		
		8	18.10	17.41	0.15	3	61		
		10	18.25	17.81	0.15	3	53		
		12	18.35	18.15	0.18	3	53		
		14	18.35	18.30	0.24	4	40		
		4b	0	13.25	1.39	5.80	79	23	
			2	13.25	1.34	6.52	89	22	
			4	13.55	2.63	5.15	71	17	
			6	17.40	16.11	0.76	13	37	
			8	18.20	17.84	0.03	1	59	
			10	18.30	18.15	0.18	3	44	
	13		18.30	18.40	0.46	8	41		
	5	0	13.20	1.20	5.55	75	24		
		2	13.10	1.17	5.57	75	22		
		4	13.10	1.55	5.51	75	22		
		6	17.60	6.31	0	0	67		
		8	18.10	17.41	0	0	81		
		10	18.30	17.76	0	0	68		
	6	0	12.75	1.14	5.45	73	21		
		2	12.75	1.27	5.44	73	19		
		4	14.15	2.33	4.56	63	22		
		6	17.25	16.03	0	0	19		
	7	0	12.40	1.03	5.57	74	15		
		1.5	12.35	1.08	5.57	74	15		
		3	12.25	1.14	5.76	78	16		
	8.vii	3	0	13.05	1.69	6.17	84	41-13	
			2	13.05	1.85	6.20	84	39	
			4	15.40	14.15	5.51	90	16-21	
			6	16.05	16.83	5.39	92	14	
			9	16.15	16.97	5.39	89	23-18	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 8.vii	3a	0	12.95	1.54	6.05	82		30-24	
		2	12.95	1.54	6.12	83		36-23	
		4	14.80	9.07	5.88	90		23-18	
		6	16.65	16.54	4.56	78		17-10	
		8	17.00	17.40	3.19	55		20-16	
		10	17.85	17.67	1.58	28		29-14	
		12	18.20	18.04	0.92	16		31-15	
		14	18.25	18.26	0.52	9		34-16	
		16	18.25	18.40	0.31	6		37-13	
		18	18.25	18.48	0.18	3		31-53	
	4	0	12.85	1.64	6.25	85		28-21	
		2	12.75	1.67	6.45	87		28-18	
		4	14.35	8.89	5.39	81		25-14	
		6	16.20	15.80	4.73	80		14-9	
		8	17.20	16.98	2.18	38		22-10	
		10	18.05	17.80	0.46	8		34-19	
		12	18.30	18.04	0.40	7		33-31	
		14	18.30	18.28	0.40	7		34-19	
		16	18.30	18.28	0.27	4		37-14	
		18	18.30	18.38	0.18	3		34-11	
	20	18.30	18.45	0.52	9		37-12		
	4a	0	12.90	1.59	6.17	83		28-20	
		2	12.85	1.62	6.33	85		32-23	
		4	12.90	3.71	6.00	83		29-24	
		6	16.90	15.93	4.02	69		18-14	
		8	17.50	16.76	1.72	30		26-13	
		10	18.05	17.67	0.46	8		38-22	
		12	18.30	17.96	0.34	6		45-8	
	14	18.30	18.48	0.21	3		40-9		
	4b	0	12.70	1.54	6.24	84		23-21	
		2	12.60	1.54	6.30	85		26-19	
		4	14.50	10.64	3.46	54		30-6	
		6	17.35	16.64	0.61	10		34-13	
		8	17.90	17.18	0.21	3		46-6	
		10	18.20	17.67	0.06	1		65-10	
		13	18.30	18.35	0.15	2		44-11	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953	8.vii	5	0	12.60	1.49	6.00	81	34-19	
		2	12.60	1.59	6.15	83	28-26		
		4	16.30	14.55	2.09	35	26-19		
		6	17.50	16.14	0.61	10	64-15		
		8	18.05	17.32	0	0	86-16		
		10	18.20	17.70	0	0	73-21		
		12	18.20	18.01	0	0	60-23		
		6	0	12.15	1.54	6.10	81	37-27	
		2	12.15	1.54	6.20	82	36-17		
		4	15.65	10.24	2.35	37	42-10		
		6	17.10	16.29	0	0	90-17		
		17.vii	3	0	14.10	1.23	5.51	76	39-22
	2	14.00	1.23	5.60	77	29-18	578		
	4	13.95	1.23	5.76	79	16-34	625		
	6	15.85	15.52	1.47	25	30-29	495		
	8	17.00	15.67	1.57	27	32-13	582		
	3a	0	13.95	1.12	5.35	73	19-37	615	
	2	13.95	1.17	5.47	75	35-15	607		
	4	13.90	1.36	5.15	71	27-32	620		
	6	15.70	14.52	1.75	29	40-10	435		
	8	17.10	16.86	1.04	18	38-0	605		
	10	17.35	17.46	0.95	17	40-1	532		
	12	17.45	17.90	0.73	13	41-0	532		
	14	17.35	18.11	1.04	18	36-7	495		
4	0	13.85	1.12	5.15	70	33-22	602		
2	13.70	1.15	5.51	75	28-27	637			
4	13.70	1.17	5.41	74	33-14	646			
6	16.15	15.21	2.30	39	20-35	505			
8	17.20	16.92	0.64	11	39-7	665			
10	17.65	17.09	0.27	5	31-25	631			
12	17.80	17.80	0.30	5	40-1	602			
14	17.80	18.07	0.40	7	31-16	508			
16	17.50	18.21	0.85	15	32-13	465			
18	17.50	18.24	0.61	11	26-16	410			

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ^o /oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 17.vii	4a	0	13.70	1.12	5.34	72		34-31	572	
		2	13.65	1.12	5.53	75		32-31	587	
		4	13.65	1.17	5.36	73		21-38	587	
		6	16.55	15.01	0.76	13		38-45	370	
		8	17.50	17.17	0.27	4		45-18	304	
		10	17.70	17.63	0.46	8		45-11	490	
		12	17.95	17.92	0.21	3		43-2	417	
		4b	0	13.60	1.12	5.00	68		26-23	592
			2	13.60	1.15	5.22	71		21-33	626
			4	13.65	1.58	5.55	76		23-19	616
			6	16.70	15.33	0.37	6		45-19	250
			8	17.80	16.99	0.09	2		55-26	58
	10		18.00	17.48	0.12	2		47-23	52	
	5	0	13.85	1.07	5.46	75		33-26	645	
		2	13.75	1.07	5.48	75		26-35	650	
		4	13.70	1.10	5.60	76		31-25	636	
		6	16.60	15.08	0.27	4		56-12	92	
		8	17.90	16.75	0.06	1		57-37	18	
		10	17.95	17.53	0	0		36-9	21	
	6	0	13.25	1.02	5.04	68		52-18		
		2	13.25	1.02	5.68	77		35-33		
		4	13.35	1.21	5.53	75		56-12		
		6	16.50	15.60	0.18	3		56-24		
	7	0	13.10	0.97	5.57	75		49-14		
		1.5	13.00	0.97	5.39	73		47-35		
		3	13.10	0.97	5.07	68		52-37		
	22.vii	3	0	13.65	1.24	5.72	78		25-22	610
			2	13.60	1.34	5.90	82		23-24	585
			4	15.60	12.25	5.44	87		19-8	300
			6	16.35	16.67	5.15	87		13-7	139
			9	16.60	17.21	5.07	87		12-0	97

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 22.vii	3a	0	13.70	1.24	5.65	77		27-31	620
		2	13.55	1.24	5.75	79		24-24	625
		4	15.30	9.49	5.39	83		19-33	425
		6	16.50	15.58	4.44	74		17-15	338
		8	16.60	16.96	4.44	77		17-9	230
		10	17.20	17.36	3.06	53		22-9	407
		12	17.65	18.00	0.21	4		33-2	580
		14	17.50	18.10	0.15	3		32-6	550
	4	0	13.95	1.19	5.65	77		22-37	640
		2	13.45	1.19	5.51	75		25-34	650
		4	14.70	7.32	5.19	77		22-29	520
		6	16.50	14.47	3.63	60		22-29	490
		8	16.90	16.82	3.57	61		19-21	386
		10	17.50	17.49	0.21	4		35-25	660
		12	17.90	17.84	0.34	6		35-22	620
		14	17.90	18.00	0.46	8		35-16	525
		16	17.75	18.13	0.61	11		33-18	475
		18	17.80	18.18	0.24	4		32-22	490
	4a	0	13.60	1.08	5.85	80		25-27	620
		2	13.20	1.08	5.80	79		26-26	590
		4	14.10	4.19	5.85	83		22-37	565
		6	16.40	15.96	0.82	14		25-15	610
		8	17.00	16.97	0.85	15		28-18	625
		10	17.45	17.31	0.24	4		39-12	675
	4b	0	13.30	1.14	5.69	77		29-33	635
		2	13.45	1.14	5.73	77		29-20	620
		4	13.70	1.29	5.04	69		25-22	635
		6	16.25	15.73	1.84	31		52-0	585
		8	17.70	16.90	0.24	4		46-19	250
		10	17.80	17.54	0.12	2		38-16	450
	12	18.00	18.10	0.27	5		39-15	336	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953	22.vii	5	0	13.30	1.08	5.55	75	31-26	590
		2	13.10	1.08	5.57	75	25-28	590	
		4	13.50	1.37	5.44	74	32-19	590	
		6	17.05	15.38	0.76	13	54-0	645	
		8	17.80	17.49	0.03	1	53-29	140	
		10	17.90	17.51	0.06	1	52-24	170	
		12	17.90	17.64	0.06	1	50-26	160	
		6	0	12.95	1.08	5.41	73	20-40	620
		2	12.95	1.08	5.51	74	21-1	630	
		4	14.10	2.06	5.41	77	22-27	610	
		6	17.25	16.25	0.09	2	45-25	46	
		7	0	12.35	1.29	5.55	74	22-28	645
	1.5	12.40	1.29	6.01	80	22-23	665		
	3	12.25	1.29	5.75	76	22-58	675		
	30.vii	3	0	14.25	2.01	6.20	86	22-60	640
			2	14.20	3.53	5.88	83	22-32	590
			4	16.45	15.32	5.26	88	14-10	190
			6	16.55	16.62	4.78	82	12-13	215
			9	17.00	17.69	4.44	77	16-4	150
		3a	0	14.05	1.94	6.40	88	20-78	628
			2	13.85	3.19	6.20	87	21-76	623
4			16.05	14.44	5.08	84	19-55	330	
6			16.65	16.61	4.21	72	14-37	315	
8			16.90	17.39	4.02	70	18-62	325	
10			17.00	17.76	3.76	66	16-84	315	
12			17.00	17.93	4.33	75	12-89	145	
14			17.00	17.95	4.44	78	12-96	130	
16			17.05	18.05	4.44	78	13-51	103	
4			0	14.05	1.86	6.33	88	22-69	650
			2	13.95	1.86	6.27	88	22-27	660
		4	16.20	15.48	3.76	63	18-41	465	
		6	16.60	16.62	3.13	54	19-40	490	
		8	17.10	17.36	1.78	31	28-45	515	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1953 10.vii	4	10	17.35	17.76	1.23	21		28-54	610
		12	17.20	17.95	1.23	21		23-48	515
		14	17.20	17.98	1.53	27		21-91	485
		16	17.15	18.05	1.99	35		19-114	370
		18	17.15	18.15	2.87	50		20-55	325
	4a	0	13.80	1.86	6.28	86		27-36	610
		2	13.70	1.84	6.41	90		27-20	615
		4	16.10	15.14	3.76	63		21-14	440
		6	16.80	16.50	1.04	18		40-21	675
		8	17.20	17.31	0.55	10		39-18	685
		10	17.35	17.69	0.49	9		33-20	610
		13	17.40	18.08	0.73	13		53-57	485
	4b	0	14.10	1.78	6.03	83		23-26	595
		2	13.85	1.73	6.31	87		32-23	610
		4	15.80	14.47	2.87	47		28-16	515
		6	16.75	16.45	0.82	14		41-33	720
		8	17.35	17.05	0.58	10		38-12	675
		10	17.60	17.79	0.55	10		34-25	965
		13	17.60	17.84	0.55	10		35-21	600
	5	0	14.00	1.70	6.20	85		33-19	595
		2	13.95	1.68	6.34	88		26-29	595
		4	15.75	14.27	2.16	35		32-21	555
		6	17.00	16.65	0.24	4		47-8	260
		8	17.40	17.31	0.24	4		45-30	155
		10	17.50	17.56	0.30	5		40-24	320
		12	17.50	17.66	0.37	6		35-31	390
	6	0	13.85	1.78	5.98	82		16-28	580
		2	13.85	1.78	5.45	75		28-26	590
		4	15.95	14.89	0.85	14		32-22	495
		6	16.70	9.82	3.00	48		36-18	370
	7	0	13.50	1.81	5.85	80		23-30	535
		1.5	13.50	1.84	5.90	81		31-18	585
		3	13.00	6.94	4.07	58		41-8	565

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 5.viii	3	0	13.85	2.70	6.65	92		19-27	465
		2	13.85	2.85	6.65	92		18-27	490
		4	15.75	16.06	5.29	89		11-14	140
		6	15.80	17.09	5.55	94		8-8	45
		8	15.80	17.63	5.48	94		6-10	27
	3a	0	13.65	2.55	6.77	94		18-25	450
		2	13.65	2.45	6.96	96		20-28	480
		4	15.70	14.64	5.29	87		14-10	200
		6	16.00	16.83	5.08	86		13-5	110
		8	15.95	17.34	5.13	87		10-12	70
		10	16.00	17.87	5.36	92		9-5	30
		12	15.90	18.10	5.39	93		8-6	15
		14	16.15	18.21	5.48	95		8-3	13
		16	17.00	18.41	4.89	86		11-5	20
		4	0	13.60	2.29	6.75	93		25-22
	2		13.60	5.46	6.54	94		26-10	440
	4		16.25	15.51	3.49	59		23-0	425
	6		16.95	17.14	1.80	31		26-8	465
	8		16.15	17.61	1.74	30		25-4	400
	10		16.85	17.73	4.23	74		14-7	200
	12		17.20	18.02	2.36	41		23-2	310
	14		17.05	18.26	3.60	63		17-8	190
	16		17.05	18.50	4.25	75		15-4	94
	18		17.00	18.85	4.55	80		14-2	15
	4a	0	13.70	2.22	6.25	86		24-17	445
		2	13.60	2.40	6.59	91		26-13	470
		4	15.95	14.77	3.78	63		22-2	355
		6	16.85	16.85	1.97	34		26-0	460
		8	17.20	17.24	1.86	33		25-2	440
		10	17.35	17.73	0.96	17		28-3	475
		12"	17.25	18.02	1.20	21		25-0	400
	14	17.20	18.36	3.28	58		15-5	170	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 5.viii	4b	0	13.45	2.09	6.61	90		26-15	475	
		2	13.35	2.24	6.50	89		28-13	490	
		4	16.10	15.72	3.40	57		22-0	390	
		6	16.95	16.29	1.05	18		31-7	550	
		8	17.45	17.48	0.30	5		43-0	555	
		10	17.35	17.98	1.05	18		29-0	440	
		13	17.25	18.21	2.13	37		17-9	300	
	5	0	13.20	2.19	6.19	85		28-10	470	
		2	13.10	2.14	6.50	88		29-9	470	
		4	16.40	15.87	0.18	3		29-15	465	
		6	17.20	16.85	0.12	2		33-14	490	
		8	17.50	17.77	0.15	3		30-16	470	
		10	17.50	17.43	0.24	4		32-13	470	
	6	0	12.85	2.17	5.65	76		24-9	450	
		2	14.00	10.07	2.96	45		33-2	450	
		4	16.35	15.70	0.06	1		40-6	390	
		6	16.85	12.35	1.86	30		38-6	355	
	7	0	12.45	1.82	5.95	80		29-5	415	
		1.5	13.90	4.45	5.34	76		21-8	440	
		3	15.50	10.07	2.64	41		25-3	395	
	13.viii	3	0	14.70	2.49	6.86	97		20-33	345
			2	15.40	12.53	5.94	95		15-12	139
			4	16.25	16.19	5.56	94		15-12	55
			6	16.30	16.88	5.44	93		10-16	61
			8	16.55	17.42	5.26	90		12-41	28
		3a	0	13.70	2.26	6.86	95		21	365
			2	13.45	10.17	5.94	89		27	201
			4	16.05	15.39	5.29	88		9	127
6			16.35	16.54	5.13	87		7	88	
8			16.45	17.37	5.21	90		9	53	
10			16.50	17.80	4.86	84		7	61	
12			16.50	17.86	5.08	88		7	43	
14			16.60	18.16	5.17	90		6	17	
16			16.75	18.33	4.86	85		12	21	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 13.viii	4	0	13.55	2.03	6.96	95		15-23	341	
		2	13.45	2.51	6.86	94		16-27	345	
		4	16.15	15.90	3.64	61		14-13	262	
		6	16.50	17.21	3.57	61		13-14	225	
		8	16.60	17.67	3.51	61		14-13	229	
		10	16.70	17.91	3.28	57		14-14	199	
		12	16.60	18.09	3.61	63		12-16	150	
		14	16.60	18.33	4.35	76		7-17	66	
		16	16.60	18.35	4.09	72		10-15	68	
		18	16.60	18.45	4.12	72		12-15	41	
		4a	0	13.50	1.90	6.92	95		25-15	300
			2	13.10	4.70	6.31	88		16-31	294
			4	16.30	15.90	1.32	22		23-18	480
			6	16.50	17.13	2.88	49		30-1	285
			8	17.00	17.67	2.78	48		15-18	266
			10	16.90	17.99	1.92	34		18-44	276
			12	16.90	18.09	2.64	46		12-17	195
			14	16.70	18.30	3.37	59		12-17	112
	4b	0	13.35	1.95	6.90	94		19-19	307	
		2	13.95	3.41	6.60	93		19-16	311	
		4	16.35	15.83	1.89	32		21-13	431	
		6	17.00	17.28	0.95	16		23-16	435	
		8	17.25	17.72	0.69	12		19-20	356	
		10	17.35	17.84	0.69	12		16-16	351	
	5	0	13.10	1.88	6.54	89		22-30	292	
		2	14.35	5.11	3.37	49		26-19	328	
		4	16.90	15.65	0.30	5		33-20	416	
		6	17.40	17.32	0.20	4		44-11	277	
		8	17.35	16.49	0.72	12		34-12	401	
		10	17.40	17.47	0.95	17		26-12	345	
			12	17.35	17.77	1.26	22	28-12	326	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1953	13.viii	6	0	12.60	1.90	6.25	84	14-7	326	
			2	14.60	9.97	1.19	18	26-0	405	
			4	16.70	16.27	0.12	2	47-33	114	
			6	17.30	17.21	0.09	2	68-14	75	
		7	0	12.45	1.80	6.35	85	18-15	300	
			1.5	12.45	2.00	6.16	83	18-24	300	
			3	15.60	14.37	0.09	2	22-0	300	
		2.ix	3	0	15.95	8.61	6.94	107	7-16	0
	2			15.85	13.56	5.46	89	4-19	141	
	4			15.85	17.61	5.29	91	7-7	36	
	6			15.90	17.91	5.32	90	7-7	20	
	8			15.85	18.01	5.12	88	12-6	19	
	10			15.95	18.06	5.12	88	11-8	18	
	12			16.05	18.20	4.82	83	7-11	24	
	14			16.10	18.30	4.42	76	12-7	28	
	3a			0	17.25	8.01	6.42	101	3-20	0
				2	15.80	13.49	5.20	84	7-16	220
				4	15.95	16.38	4.88	82	9-17	165
				6	15.95	17.37	4.98	84	9-10	86
		8		15.95	17.81	4.82	83	7-12	70	
10		16.10		17.91	4.65	80	7-14	53		
12		16.20	18.30	4.03	70	12-10	55			
14		16.20	18.35	4.12	71	10-11	37			
4	16	16.20	18.40	4.22	72	11-9	40			
	0	17.40	7.65	7.65	120	3-23	0			
	2	15.90	13.66	4.95	81	9-14	258			
	4	16.10	16.76	4.35	74	15-8	267			
	6	16.10	17.32	4.06	69	13-13	182			
	8	16.20	17.64	4.15	73	13-31	112			
	10	16.35	17.81	3.64	61	14-6	150			
	12	16.35	18.11	3.51	61	12-6	134			
14	16.30	18.25	3.57	61	14-4	98				
16	16.25	18.33	3.68	62	18-0	69				

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1953	2.1x	4a	0	16.70	7.25	7.55	116	9-21	7	
			2	15.90	11.62	6.15	98	12-9	161	
			4	16.10	16.38	3.57	60	23-3	396	
			6	16.05	17.02	3.88	66	22-5	285	
			8	16.30	17.47	3.40	58	19-7	243	
			10	16.55	17.76	2.74	50	27-2	260	
			13	16.30	17.81	1.53	27	21-8	183	
			4b	0	17.25	6.69	6.58	102	7-14	16
				2	15.95	12.17	5.52	90	12-14	225
				4	16.35	16.09	3.02	51	17-16	482
				6	16.30	17.17	2.93	50	14-7	350
				8	16.40	17.42	2.83	49	15-11	372
				10	16.60	17.81	1.89	33	19-7	309
	13	16.50		18.04	2.61	45	16-10	208		
	5	0	17.60	6.03	7.16	111	2-20	68		
		2	16.10	9.77	6.02	95	3-32	113		
		4	16.50	15.64	2.83	48	16-19	455		
		6	16.65	16.97	1.26	22	22-17	520		
		8	16.80	17.45	1.23	21	21-27	448		
		10	16.80	17.71	1.38	24	16-19	296		
	6	0	16.60	6.13	5.87	89	3-24	95		
		2	16.10	8.36	5.48	85	7-21	106		
		4	16.70	16.04	1.35	23	20-27	338		
		6	16.90	11.67	3.58	58	12-17	245		
	7	0	17.20	2.88	5.74	85	17-28	76		
		1.5	16.05	6.34	4.75	72	14-38	148		
		3	16.60	15.05	0.58	10	23-3	552		
	9.1x	3	0	16.15	6.81	7.02	107	6-8	32	
			2	15.20	11.33	6.18	97	7-10	52	
			4	15.95	16.11	5.44	92	15-0	48	
			6	16.10	17.09	4.95	84	14-1	52	
			8	16.40	18.02	3.43	60	24-0	102	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 9.1x	3a	0	15.55	6.79	6.86	103		9-7	17
		2	15.20	10.59	6.32	99		7-4	50
		4	15.95	15.62	4.88	82		16-0	110
		6	16.30	17.32	3.72	64		18-0	164
		8	16.35	17.82	3.49	60		15-3	148
		10	16.50	18.07	3.68	65		15-4	109
		12	16.70	18.16	3.47	60		16-5	68
		14	16.70	18.31	4.04	70		13-1	48
		16	16.80	18.41	4.29	75		15-0	29
	4	0	15.90	5.38	7.20	107		12-0	25
		2	14.90	7.44	6.65	99		9-8	18
		4	16.20	16.21	4.15	70		14-0	193
		6	16.30	17.17	3.46	59		14-2	216
		8	16.40	17.73	3.22	55		17-0	170
		10	16.40	17.77	3.25	56		15-8	127
		12	16.60	18.02	3.49	61		15-3	127
		14	16.65	18.41	3.72	65		17-0	65
		16	16.70	18.26	3.72	65		15-0	65
	18	16.80	18.46	4.62	81		12-6	25	
	4a	0	15.10	5.21	6.40	94		6-12	25
		2	15.50	7.42	6.61	100		5-17	13
		4	16.35	15.80	4.19	71		9-7	114
		6	16.40	16.90	3.19	55		9-14	210
		8	16.45	17.61	2.64	45		19-4	170
		10	16.45	18.11	2.84	49		16-6	93
		12	16.45	18.26	2.84	49		14-7	105
	4b	0	15.00	4.68	7.02	102		9-13	35
		2	15.30	7.49	6.71	101		9-7	2
		4	16.60	15.97	3.06	52		14-9	143
		6	16.60	17.09	2.02	35		22-5	377
		8	16.50	17.66	2.16	37		21-3	228
		10	16.45	18.21	2.46	43		21-4	150
	12	16.45	18.21	2.71	48		21-0	82	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953	9.ix	5	0	15.75	4.42	6.31	93	9-10	38	
		2	15.50	10.69	5.44	85	7-4	45		
		4	16.60	15.82	2.33	39	20-3	309		
		6	16.70	17.29	1.38	24	22-9	368		
		8	16.65	17.34	1.26	22	21-10	275		
		10	16.65	17.58	1.50	26	21-9	310		
			12	16.60	17.82	1.62	28	25-2	200	
		6	0	15.85	3.13	6.05	88	15-16	110	
			2	15.30	9.04	5.35	82	9-7	34	
			4	16.60	15.82	1.38	23	20-8	420	
			6	16.80	17.09	0.66	11	29-3	386	
		7	0	14.65	2.65	5.44	77	24-14	134	
			1.5	15.45	5.43	5.70	84	16-6	70	
			3	16.20	13.31	2.16	35	13-11	407	
	16.ix	3	0	16.50	8.41	6.56	102	7-15	0	
			2	16.60	15.64	5.29	90	4-14	0	
			4	16.75	17.41	5.92	102	4-11	0	
			6	16.95	17.41	5.85	101	3-11	0	
			9	17.05	17.99	5.74	100	3-6	0	
			3a	0	16.60	7.21	7.03	108	7-17	0
				2	16.60	15.56	5.20	88	3-14	0
		4		16.70	16.88	5.44	93	2-9	0	
		6		16.60	17.12	5.92	102	2-8	0	
		8		16.60	17.61	5.29	92	4-10	0	
		10		16.70	17.95	5.80	100	6-5	0	
		12		16.55	18.02	5.29	92	7-10	0	
		14		16.60	18.29	4.23	74	13-4	81	
		16	16.60	18.33	3.25	57	19-5	118		
		4	0	16.75	6.91	6.95	107	3-19	0	
			2	16.40	15.49	4.79	81	2-15	8	
			4	16.40	16.73	4.42	75	1-22	22	
			6	16.50	17.36	4.83	83	1-17	11	
			8	16.45	17.80	3.92	68	11-12	88	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 6.1x	4	10	16.45	17.93	3.94	68		16-6	86
		12	16.50	17.99	3.87	67		11-13	91
		14	16.60	18.09	3.68	64		14-11	115
		16	16.60	18.24	3.19	55		16-9	118
		18	16.60	18.33	3.12	54		18-10	111
		20	16.70	18.43	2.88	50		20-12	144
		4a	0	17.70	5.71	8.04	125		4-45
	2	16.60	13.75	5.17	86		4-26	0	
	4	16.45	16.24	4.09	70		2-21	49	
	6	16.50	17.12	3.60	62		8-10	88	
	8	16.50	17.51	2.88	50		16-12	161	
	10	16.55	17.59	2.71	48		15-10	166	
	13	16.60	17.65	2.88	50		14-9	176	
	4b	0	18.00	5.41	7.76	120		1-19	0
	2	16.40	14.86	3.68	61		4-7	26	
	4	16.50	16.54	3.06	52		1-15	109	
	6	16.50	17.12	2.58	44		5-10	139	
	8	16.50	17.36	2.96	51		11-21	156	
	10	16.50	18.09	2.36	41		18-11	152	
	12	16.55	17.80	2.36	41		18-14	186	
	5	0	18.40	5.06	8.47	131		7-26	0
	2	16.55	13.90	2.71	45		4-11	4	
	4	16.60	15.47	1.41	24		0-21	198	
	6	16.60	17.17	1.20	21		3-18	197	
	8	16.65	17.44	1.02	18		11-17	238	
	10	16.60	17.68	1.40	24		16-14	216	
	12	16.60	17.80	1.50	26		21-14	268	
	6	0	18.40	4.66	8.59	133		2-21	0
	2	16.85	13.19	2.64	44		2-21	0	
	4	16.80	16.78	0.48	8		4-11	131	
	5	16.70	15.34	1.97	33		7-13	158	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953										
16.ix	7	0	18.55	3.23	6.53	100		7-21	34	
		1.5	18.50	3.23	4.23	65		4-14	26	
		3	16.85	16.34	0.21	4		14-14	27	
24.ix	3	0	18.15	10.77	6.94	114		3-26	0	
		1	17.40	14.67	6.35	108		6-7	0	
		2	17.25	15.63	6.22	106		7-4	0	
		4	17.20	16.49	6.09	105		3-6	0	
		6	17.25	17.09	5.84	101		4-13	0	
		9	16.60	17.67	5.08	88		4-9	0	
		3a	0	18.10	8.84	8.01	129		8-34	0
			1	17.25	11.79	7.20	118		4-30	0
			2	17.40	14.76	6.93	118		6-6	0
	4		16.95	16.49	5.45	93		4-8	0	
	6		16.70	17.28	4.84	83		6-9	0	
	8		16.60	17.42	6.29	108		11-2	0	
	10		16.50	17.91	3.55	61		4-8	0	
	12	16.50	17.91	4.82	83		3-8	0		
	14	16.55	18.14	4.74	82		2-12	0		
	16	16.60	18.21	4.84	84		5-13	0		
4	0	17.60	8.32	7.45	119		7-21	0		
	1	17.60	10.74	7.15	117		2-25	0		
	2	17.50	15.11	5.55	96		5-13	0		
	4	16.60	16.72	4.20	72		3-15	0		
	6	16.55	17.28	3.29	57		5-8	0		
	8	16.50	17.32	3.41	59		5-19	0		
	10	16.50	17.77	3.47	60		4-16	0		
	12	16.45	17.91	3.92	68		5-9	0		
	14	16.50	18.21	4.05	70		8-6	0		
	16	16.45	18.30	4.31	75		7-5	0		
18	16.45	18.30	4.24	74		9-4	0			
4a	0	17.95	7.28	8.00	126		6-15	0		
	1	17.90	8.44	7.80	125		5-35	0		
	2	17.75	13.82	6.16	104		8-9	0		
	4	16.65	16.93	3.06	53		10-1	0		

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 24.ix	4a	6	16.55	17.28	3.12	54		7-4	0
		8	16.55	17.86	2.52	44		7-1	0
		10	16.50	17.72	2.67	46		8-3	0
		12	16.50	18.06	2.89	50		11-8	0
		14	16.45	18.21	3.47	60		13-0	23
	4b	0	17.90	6.36	8.02	125		9-38	0
		1	18.20	8.66	7.85	126		14-30	0
		2	17.00	15.66	3.65	62		11-13	0
		4	16.70	16.68	1.82	31		10-10	0
		6	16.60	17.07	2.05	35		10-5	0
		8	16.60	17.65	2.05	36		9-2	0
		10	16.60	17.75	2.05	36		7-46	0
		13	16.50	18.14	2.74	48		9-20	0
	5	0	18.00	6.79	7.80	123		10-40	0
		1	18.00	9.26	7.74	125		8-23	0
		2	17.50	15.12	3.09	53		11-12	0
		4	16.70	16.93	0.18	3		6-11	0
		6	16.60	17.51	0.63	11		7-10	0
		8	16.55	17.61	1.03	18		7-8	0
		10	16.60	17.25	1.15	20		7-11	0
		12	16.60	18.07	1.45	25		7-11	0
	6	0	18.05	5.76	6.86	107		11-33	0
		1	18.00	6.01	7.05	110		2-32	0
		2	17.80	14.68	2.49	43		3-19	0
		4	16.85	16.78	0.18	3		8-25	0
		5	16.70	17.22	0.24	4		5-24	0
		6	16.70	13.21	2.91	48		8-30	0
	7	0	17.80	4.05	7.35	112		9-32	0
		1	17.50	4.89	6.74	103		9-29	0
		2	17.20	16.22	0.12	2		5-34	0
		3	16.95	16.81	0	0		20-47	0

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 30.1x	3	0	18.10	16.30	5.65	99		7-13		
		1	17.70	16.64	5.48	96		5-11		
		2	17.45	17.77	5.19	91		5-4		
		4	17.55	17.67	5.48	96		3-7		
		6	17.55	17.87	5.42	96		4-7		
		9	17.50	18.60	5.45	97		5-6		
		3a	0	18.30	15.22	5.93	103		5-11	
			1	18.20	15.59	5.96	103		4-7	
			2	17.30	17.21	4.79	84		4-10	
	4		17.25	17.57	4.54	79		2-11		
	6		17.45	17.97	4.57	81		3-11		
	8		17.50	18.36	5.11	91		4-5		
	10		17.50	18.34	5.08	90		2-6		
	12		17.40	18.50	5.26	93		3-4		
	14		17.50	18.60	5.19	92		4-4		
	16		17.55	18.82	5.32	95		2-8		
	17		17.55	18.89	5.36	96		7-9		
	4		0	17.80	16.54	4.91	86		2-18	
			1	17.50	16.64	4.79	83		3-10	
		2	17.15	17.32	2.91	51		4-10		
		4	17.10	17.47	3.47	60		4-9		
		6	17.20	17.77	3.77	66		2-12		
		8	17.00	18.14	3.80	67		3-10		
		10	17.00	18.45	4.17	73		4-8		
		12	17.10	18.50	4.15	73		4-7		
		14	17.05	18.55	4.37	77		4-4		
		16	17.05	18.63	4.27	75		2-4		
		18	17.05	18.65	4.15	73		3-21		
		4a	0	18.10	14.79	4.77	82		6-19	
			1	17.75	15.06	4.47	77		7-13	
	2 ^r		17.40	16.13	2.80	48		2-15		
	4		16.80	17.08	2.49	43		2-8		
	6		16.85	17.72	2.86	50		2-8		
	8		16.85	17.55	2.89	50		3-4		
	10		16.85	18.06	2.99	52		1-10		
	12		16.95	18.30	3.77	66		2-7		
	14	16.95	18.50	3.85	68		4-13			

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 30.ix.	4b	0	18.50	11.49	6.65	111		1-27		
		1	18.50	11.69	6.43	108		0-24		
		2	18.00	13.08	5.49	93		3-25		
		4	16.80	16.93	2.05	35		2-11		
		6	16.70	17.16	2.80	48		3-6		
		8	16.75	17.03	3.03	52		2-9		
		10	16.80	17.96	2.74	48		2-9		
		13	16.85	18.50	3.36	59		3-8		
		5	0	18.70	9.94	5.84	96		3-26	
			1	18.70	9.89	6.03	99		12-13	
			2	18.20	11.04	5.99	99		12-8	
			4	16.85	16.59	0.81	14		11-33	
			6	16.70	17.72	0.75	13		9-13	
	8		16.65	16.81	1.70	29		10-15		
	10		16.70	17.81	1.51	26		8-11		
	12		16.70	18.06	1.99	35		5-36		
	6	0	18.20	10.37	5.84	96		5-30		
		1	18.10	10.34	6.12	100		9-32		
		2	18.10	10.59	6.01	99		4-35		
		3	18.30	12.14	5.01	84		4-25		
		4	17.55	16.49	0.90	16		3-35		
		5	17.25	15.68	2.05	35		5-37		
		6	16.90	14.20	3.22	54		10-32		
	7	0	18.40	9.95	5.60	92		7-21		
		1	18.40	9.95	5.57	91		3-30		
		2	18.45	10.04	5.40	89		5-22		
		3	18.65	11.84	3.65	61		7-24		
	8.x	3	0	18.60	12.75	5.66	96		10-14	0
			1	18.25	12.85	5.88	99		15-19	0
			2	18.30	13.34	6.00	102		6-24	0
			4	17.25	14.48	5.49	93		4-24	0
			6	17.30	16.20	5.03	87		2-13	3
			9	17.35	16.99	4.66	81		2-29	3

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 8.x	3a	0	19.15	12.11	5.81	99		2-41		
		1	19.00	12.16	6.04	102		2-18	3	
		2	18.20	12.43	5.88	99		0-32	3	
		4	17.35	14.02	5.47	92		0-19	2	
		6	17.10	15.49	5.08	86		7-18	1	
		8	17.25	16.59	4.89	84		1-19	2	
		10	17.35	17.33	4.54	79		4-11	0	
		12	17.25	17.77	4.35	76		4-12	0	
		14	17.35	17.97	3.94	69		4-11	5	
		16	17.35	18.36	3.53	63		4-12	0	
		4	0	19.25	11.09	5.77	97		4-41	1
			1	19.20	11.11	5.88	99		2-19	3
			2	18.30	11.41	5.88	98		5-22	2
			4	17.05	13.69	5.37	90		5-22	3
			6	17.00	15.56	4.82	82		1-21	2
			8	17.10	16.35	4.16	72		6-11	0
	10		17.25	16.94	4.03	70		1-20	0	
	12		17.30	17.57	3.41	60		2-20	0	
	14		17.30	18.01	2.87	50		0-16	0	
	16		17.40	18.26	2.84	50		0-18	0	
	18		17.40	18.50	2.48	44		2-34	2	
	4a		0	19.85	10.26	6.00	101		3-28	3
		1	18.25	10.76	5.44	91		2-30	3	
		2	17.95	11.16	6.00	99		1-22	4	
		4	17.05	13.74	5.12	86		0-19	1	
		6	17.00	15.12	4.30	73		2-17	3	
		8	17.05	16.79	3.38	58		2-18	3	
		10	17.15	17.33	2.99	52		1-18	3	
		12	17.25	18.06	2.56	45		2-14	0	
		14	17.35	18.40	2.13	38		2-15	2	
		4b	0	20.05	10.02	6.06	102		2-12	3
	1		18.25	9.07	5.59	90		4-21	6	
	2		18.10	10.97	5.81	96		0-36	2	
	4		17.10	13.74	4.54	76		2-21	2	
	6		17.00	16.01	3.47	59		2-9	2	
	8		17.40	16.48	3.12	54		2-17	2	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953	8.x	4b	10	17.50	17.18	2.72	47	3-14	2	
			13	17.55	18.16	1.78	31	2-22	0	
	5		0	19.70	8.47	6.06	100	0-17	9	
			1	18.65	9.12	6.06	99	0-31	8	
			2	18.30	10.05	5.44	89	0-19	5	
			4	17.15	12.50	4.93	81	2-24	5	
			6	17.00	15.17	3.21	54	2-24	4	
			8	17.00	17.23	1.57	27	8-17	5	
			10	17.05	17.67	1.22	21	5-37	3	
			12	17.05	17.72	1.34	23	9-15	6	
	6		0	18.50	7.11	7.12	113	7-14	0	
			1	18.15	8.47	6.51	105	2-28	0	
			2	18.70	10.12	5.44	90	2-19	0	
			4	17.10	13.13	4.03	67	2-20	0	
			6	17.20	12.80	4.06	67	7-15	0	
	7		0	19.15	7.51	5.77	92	6-20	1	
			1	18.80	9.87	5.12	85	2-23	0	
			2	18.80	10.79	5.06	84	6-16	0	
			3	18.20	12.98	3.73	63	6-24	0	
	16.x	3		0	17.50	16.64	4.95	86	2-22	
				1	17.50	16.69	5.02	82	2-19	
				2	17.45	16.88	5.23	93	4-16	
				4	17.75	17.57	4.82	85	4-20	
				6	17.80	17.47	4.58	81	4-17	
			9	17.90	18.45	4.58	79	3-12		
		3a		0	17.80	15.70	5.05	87	2-22	
				1	17.80	15.55	5.28	89	9-24	
				2	17.40	15.50	5.20	89	11-23	
				4	17.85	16.24	4.87	85	5-22	
				6	17.80	16.44	4.82	84	1-25	
				8	17.70	17.28	4.54	78	7-18	
			10	17.80	17.65	4.16	73	2-18		
		12	18.00	17.86	4.22	75	7-15			

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	
1953 16.x	3a	14	18.00	18.35	4.40	79		19-9	
		16	18.05	18.70	4.66	84		8-20	
		18	18.00	18.65	4.43	80		15-9	
	4	0	17.90	13.48	5.70	97		4-28	
		1	17.80	13.23	5.59	94		1-28	
		2	17.65	13.53	5.35	90		5-28	
		4	17.80	15.50	4.60	79		5-28	
		6	17.75	16.13	4.20	73		4-26	
		8	17.65	17.03	3.62	63		6-30	
		10	17.70	17.60	3.53	62		12-21	
		12	17.80	18.01	3.45	61		9-24	
		14	17.90	18.50	3.65	65		12-7	
		16	18.00	18.40	3.85	69		9-15	
		18	18.00	18.53	4.16	74		19-3	
		20	18.00	18.60	4.63	83		11-9	
		4a	0	18.00	10.99	5.59	92		7-17
			1	17.90	10.84	5.72	94		9-19
	2		17.50	12.43	5.62	94		7-26	
	4		17.80	13.53	4.97	84		5-31	
	6		17.60	16.34	3.73	65		9-31	
	8		17.50	17.26	3.15	55		13-15	
	10		17.45	18.06	2.55	45		16-23	
	4b	12	17.55	17.86	2.82	50		21-14	
		0	18.50	9.39	5.82	95		12-21	
	5	1	18.45	9.24	5.75	94		7-28	
		2	17.75	9.74	5.75	93		9-31	
		4	17.40	12.93	4.35	73		7-28	
		6	17.25	15.85	3.03	52		11-17	
		8	17.40	16.78	2.40	42		15-25	
		10	17.40	17.37	2.26	40		19-15	
		13'	17.45	18.06	2.07	36		21-26	
		0	18.30	8.86	5.66	91		7-34	
	1	18.30	8.73	5.66	91		7-34		
	2	18.20	8.73	5.66	91		7-38		
	4	17.40	13.00	3.21	54		15-31		

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 6.1	5	6	17.20	14.99	2.33	40		15-15	
		8	17.30	16.65	1.68	29		21-14	
		10	17.35	17.66	1.45	25		28-21	
	6	0	18.50	8.38	5.57	90		12-27	
		1	18.50	8.06	5.85	94		14-18	
		2	18.45	8.33	5.66	91		9-32	
		4	17.40	11.08	3.77	61		14-8	
		6	17.25	12.25	2.50	41		19-21	
	7	0	18.85	4.09	5.77	93			
		1	18.70	4.14	5.59	90			
		2	18.80	4.29	5.18	84			
		3	17.20	7.78	4.47	70			
	3	0	18.95	11.94	5.35	90		6-14	0
		1	18.80	11.94	5.77	97		8-16	0
		2	18.10	12.04	5.35	90		3-21	0
		4	18.00	12.32	5.49	92		9-11	0
		6	17.95	14.37	5.91	101		11-11	0
		9	17.85	16.81	4.54	80		7-7	0
3a		0	19.10	11.54	5.96	100		6-19	0
	1	18.10	11.64	5.94	99		4-18	0	
	2	17.70	12.04	5.88	97		6-12	0	
	4	17.85	12.47	5.73	96		10-17	0	
	6	17.95	14.47	5.53	94		9-16	0	
	8	17.85	16.14	5.20	90		11-4	0	
	10	17.80	17.72	4.88	86		9-7	0	
	12	17.80	17.86	4.88	87		8-9	0	
	14	17.70	18.16	4.85	86		9-16	0	
	16	17.70	18.30	4.79	85		17-1	0	
4	0	18.50	11.34	5.77	96		9-10	0	
	1	17.90	11.64	6.04	100		6-20	0	
	2	17.75	11.79	5.96	98		8-22	0	
	4	17.90	12.48	5.12	86		8-17	0	
	6	17.90	16.49	4.75	83		13-8	0	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 6.xi	4	8	17.90	17.13	3.77	67		14-10	0
		10	17.90	17.77	3.51	62		14-10	0
		12	17.90	18.16	3.90	70		20-10	0
		14	17.70	18.35	3.90	70		17-12	0
		16	17.70	18.45	4.22	75		15-11	0
		18	17.70	18.58	4.48	80		12-9	0
	4a	0	19.20	10.79	5.81	98		7-27	0
		1	18.40	10.79	6.02	100		6-24	0
		2	17.95	11.14	6.10	101		6-22	0
		4	18.05	11.79	6.01	100		6-19	0
		6	18.00	15.45	4.54	79		13-13	0
		8	17.95	16.59	3.56	62		17-11	0
		10	18.00	17.77	2.99	53		22-13	0
		12	18.00	18.26	2.71	48		28-10	0
		14	18.00	18.38	2.84	50		29-13	0
		4b	0	19.25	10.59	6.13	105		7-7
	1		18.55	10.59	5.99	99		6-22	0
	2		18.05	10.89	5.88	97		6-28	0
	4		18.25	12.98	5.12	86		14-19	0
	6		18.10	15.75	3.74	65		20-16	0
	8		17.95	17.08	2.64	47		28-12	0
	10		17.95	17.91	2.24	40		33-7	0
	12		17.95	18.21	1.97	35		40-10	0
	5	0	20.55	9.89	5.74	98		6-8	0
		1	19.10	10.02	5.81	97		11-21	0
		2	18.80	10.34	6.13	102		9-8	0
		4	18.25	13.47	4.98	85		17-3	0
		6	18.15	16.00	3.03	53		27-13	0
		8	18.00	17.13	1.58	28		35-1	0
	6	0	20.75	9.07	6.13	104		14-19	0
		1	18.70	9.54	5.55	91		9-24	0
		2	18.20	10.09	5.97	98		11-23	0
		4	18.25	13.28	4.57	78		20-14	0
		5	18.15	14.32	3.66	63		28-14	0

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 6.xi	7	0	21.80	6.47	6.26	104		7-13	0	
		1	19.70	9.19	6.05	100		9-25	0	
		2	18.25	9.29	6.10	98		9-27	0	
		3	18.50	11.64	5.65	95		20-7	0	
	3	0	19.10	16.69	5.35	95		2-20	0	
		1	19.10	16.50	5.50	98		7-11	0	
		2	18.90	16.55	5.50	97		2-17	0	
		4	18.70	17.40	5.52	99		2-8	0	
		6	18.70	17.92	5.43	98		2-11	0	
		9	18.65	18.04	5.43	98		2-12	0	
		3a	0	19.25	15.76	5.65	100		5-5	0
			1	19.20	15.86	5.69	101		1-18	0
			2	19.10	15.86	5.65	100		2-9	0
	4		18.80	16.55	5.45	97		9-1	0	
	6		18.70	17.38	5.27	94		11-4	0	
	8		18.70	18.36	5.38	98		3-10	0	
	10		18.65	18.70	5.50	100		1-14	0	
	4	12	18.55	18.89	5.58	101		6-5	0	
		14	18.65	19.09	5.52	101		2-8	0	
		16	18.60		5.77			2-11	0	
0		19.65	15.86	5.04	90		6-14	0		
1		19.60	15.61	5.24	94		6-12	0		
2		19.20	15.61	5.88	104		7-19	0		
4		18.55	16.25	4.94	69		3-21	0		
6		18.60	17.04	5.24	93		4-19	0		
8		18.50	18.26	4.98	72		5-13	0		
10		18.30	18.45	5.02	90		2-18	0		
12		18.30	18.45	5.12	93		8-7	0		
14		18.30	18.60	5.30	95		14-6	0		
4a	16	18.30	18.70	5.35	97		9-9	0		
	18	18.25	18.80	5.20	94		3-17	0		
	20	18.25	18.80	5.12	93		5-16	0		
4a	0	19.85	15.07	5.37	96		9-19	0		
	1	19.90	15.02	5.30	95		7-29	0		
	2	19.35	15.37	5.37	95		9-24	0		

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1954									
13.xi	4a	4	18.35	16.06	3.34	58		18-7	0
		6	18.30	17.38	3.69	65		18-1	0
		8	18.20	18.11	3.72	66		15-7	0
		10	18.15	18.21	3.80	68		14-8	0
		12	18.15	18.45	4.12	74		14-11	0
	4b	0	20.30	14.21	5.50	98		12-6	0
		1	20.30	14.13	5.35	95		12-8	0
		2	20.30	14.23	5.84	104		11-18	0
		4	18.35	14.38	5.37	93		12-20	0
		6	18.15	16.45	4.05	71		19-7	0
		8	18.20	17.33	3.53	63		18-10	0
		10	18.20	18.26	3.39	61		16-14	0
		12	18.25	18.43	3.48	63		24-9	0
	5	0	20.75	12.65	5.77	101		12-12	0
		1	20.80	12.45	5.85	103		12-2	0
		2	20.80	12.40	5.91	104		11-19	0
		4	20.00	13.54	5.35	94		12-24	0
		6	18.10	16.30	3.07	54		24-20	0
		8	18.05	17.43	2.89	51		21-8	0
	6	0	21.10	12.60	5.81	102		10-11	0
		1	21.15	12.45	6.02	107		15-12	0
		2	21.15	12.50	6.02	107		12-28	0
		4	19.65	13.70	5.16	90		15-24	0
		5	18.70	14.09	5.02	87		12-33	0
	7	0	21.80	11.21	4.85	85		16-34	0
		1	21.85	11.21	5.20	92		16-33	0
		2	21.55	11.71	4.94	87		15-15	0
		3	21.35	11.71	5.24	93		15-6	0
18.xii	3	0	22.95	16.80	5.35	102		7-14	0
		2	22.30	17.38	5.62	107		6-14	0
		4	21.90	18.11	3.82	73		4-11	0
		6	21.80	18.55	5.52	105		3-15	0
		9	21.70	19.17	5.40	104		5-12	0

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1953 10.11	3a	0	23.05	16.50	5.44	104		8-10	0
		2	22.85	16.60	5.52	105		9-12	0
		4	21.90	17.34	5.49	103		9-15	0
		6	21.60	17.92	5.30	100		9-13	0
		8	21.60	18.34	5.40	102		7-11	0
		10	21.60	18.92	5.18	99		3-10	0
		12	21.60	19.23	5.35	101		8-8	0
		14	21.55	19.41	5.40	103		6-9	0
		16	21.45	19.57	5.25	101		18-0	0
	4	0	23.50	16.41	5.32	102		21-12	0
		2	23.20	16.44	5.38	103		7-15	0
		4	21.90	16.92	5.40	101		8-12	0
		6	21.55	17.90	5.32	100		8-16	0
		8	20.75	18.50	4.89	92		7-17	0
		10	20.85	18.80	4.68	88		5-15	0
		12	20.65	19.14	4.50	105		10-12	0
		14	20.95	19.19	4.24	80		13-14	0
		16	21.10	19.43	4.46	85		10-12	0
	18	21.10	19.43	4.58	87		10-10	0	
	4a	0	23.45	16.29	5.35	102		7-13	0
		2	23.30	16.29	5.40	103		9-23	0
		4	21.70	16.75	5.52	103		7-15	0
		6	21.20	18.10	5.18	97		7-19	0
		8	20.85	18.36	5.16	97		7-13	0
		10	20.55	18.97	4.40	83		7-15	0
		12	20.10	19.04	4.18	78		12-8	0
	14	20.10	19.09	4.50	84		13-9	0	
	4b	0	23.90	16.16	5.44	103		6-18	0
		2	23.60	16.16	5.56	107		8-20	0
		4	21.65	16.70	5.47	102		12-20	0
		6	21.00	17.29	5.37	100		10-19	0
		8	20.40	18.16	4.83	90		7-13	0
		10	20.05	18.73	4.15	77		7-18	0
	13	20.00	18.94	3.25	61		15-19	0	

Location: SWAN RIVER BASIN

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃
1953 18.xii	5	0	24.70	15.78	4.05	79		7-24	
		2	24.35	15.85	5.40	104		7-18	
		4	21.95	16.59	5.38	101		11-22	
		6	20.35	17.86	4.66	86		12-20	
		8	20.15	18.63	3.66	68		14-19	
		10	20.15	18.65	2.72	51		20-19	
		12	20.15	18.84	2.42	45		20-18	
	6	0	24.80	15.70	5.44	106		9-22	
		2	24.50	15.70	5.52	106		7-21	
		4	21.35	16.05	5.38	100		8-26	
		6	20.90	17.26	4.02	75		25-19	
	7	0	25.50	14.76	4.95	96		9-23	
		1.5	25.25	14.96	5.18	101		11-18	
		3	22.75	15.45	5.38	101		15-27	

Location: SWAN RIVER NO. 3 - BILLYGOAT FARM

Date	Time	Tide (in.)	Air Temp. °C.	Water Temp. °C.	Cl ‰	O ₂	O ₂ %	PO ₄ -P	NO ₃ -N		
1953. 18.viii	12 n	21	Depth								
			0	15.00	2.14	7.39	107	9	233		
			2	15.70	14.51	5.26	86	9	165		
			4	16.10	16.71	5.35	91	7	60		
			6	16.15	17.44	5.42	93	7	24		
			8	16.15	17.68	5.37	92	7	28		
			10	16.40	18.46	4.75	83	12	30		
			12	16.50	18.31	4.05	70	16	49		
			14	16.60	18.54	3.96	69	20	58		
			2pm	19	0	15.60	2.29	7.51	107	8	214
					2	15.85	14.55	4.81	80	9	197
					4	16.15	16.95	5.33	90	7	56
					6	16.20	17.54	5.26	90	7	39
					8	16.35	17.92	5.39	93	10	12
	10	16.55			18.17	4.54	79	14	47		
	12	16.60			18.36	4.27	74	14	39		
	4pm	18	14	16.70	18.51	3.93	69	16	39		
			0	15.65	2.39	7.08	101	9	197		
			2	15.80	15.49	4.97	83	12	152		
			4	16.10	16.66	5.11	87	8	81		
			6	16.20	17.54	5.04	87	7	51		
			8	16.25	17.83	4.69	81	11	87		
			10	16.45	18.12	4.39	76	12	66		
	6pm	16	12	16.45	18.36	4.39	76	22	55		
			14	16.45	18.51	4.02	70	18	54		
			0	15.25	2.54	7.33	105	8	308		
			2	15.90	16.58	4.47	76	9	195		
			4	16.10	17.10	4.84	83	8	66		
			6	16.10	17.54	4.94	85	8	48		
			8	16.20	17.73	4.77	82	9	74		
	8pm	16	10	16.40	18.12	3.99	69	10	67		
			12	16.20	18.26	4.64	80	14	26		
			14	16.30	18.51	3.62	63	17	78		
			0	15.10	2.54	7.51	107	9	278		
			2	15.85	15.58	4.43	74	12	236		
			4	16.05	17.00	5.24	89	8	71		
			6	16.05	17.49	5.10	87	10	51		
	8	16.20	17.81	5.39	93	1	17				
	10	16.30	18.17	4.47	77	7	58				

Location: SWAN RIVER NO. 3 - BILLYGOAT FARM

Date	Time	Tide (in.)	Air Temp. °C.	Water Temp. °C.	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1953									
18.viii	8pm	16	Depth						
			12	16.20	18.31	4.82	84	4	12
			13	16.20	18.41	4.94	85	4	12
	10pm	18	0	14.80	2.45	7.04	100	2	265
			2	15.50	11.61	4.74	75	11	287
			4	15.95	16.01	4.60	77	8	161
			6	16.05	16.89	5.24	89	4	60
			8	16.20	17.23	5.04	87	4	64
			10	16.20	17.57	5.04	87	2	36
			12	16.10	17.48	4.94	85	4	57
	12am	21	0	14.65	4.13	6.86	99	1	263
			2	15.60	12.25	5.56	89	4	182
			4	15.80	14.61	5.26	87	6	133
			6	15.85	15.86	5.07	85	5	96
			8	16.05	17.08	5.24	89	2	43
			10	16.10	17.62	5.32	91	4	13
			12	16.10	17.97	5.26	90	4	7
19.viii	2am	23 $\frac{1}{2}$	0	14.60	2.76	7.04	100	2	283
			2	15.55	12.60	5.93	95	0	139
			4	15.90	15.76	5.60	94	1	65
			6	15.95	16.10	5.57	94	0	47
			8	15.95	16.50	5.54	94	2	33
			10	16.00	16.94	5.48	93	4	16
			12	16.10	17.82	5.36	92	5	2
			14	16.10	18.16	5.26	90	6	4
	4am	25	0	14.35	3.06	7.00	100	2	308
			2	15.70	10.71	6.10	96	6	148
			4	15.95	15.66	5.04	85	4	58
			6	16.10	17.07	4.97	85	4	18
			8	16.15	17.13	5.14	87	2	16
			10	16.25	17.26	4.69	80	2	6
			12	16.25	17.38	4.77	82	3	17
			14	16.30	17.62	4.74	82	3	11
	6am	26	0	14.25	2.56	7.26	101	3	236
			2	15.70	13.10	6.16	100	5	98
			4	16.00	16.10	5.57	94	3	66
			6	16.10	17.18	5.77	98	1	24
			8	16.25	17.21	5.68	97	1	14

Location: SWAN RIVER NO. 3 - BILLYGOAT FARM

Date	Time	Tide (in.)	Air Temp. °C.	Water Temp. °C.	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N	
1953 19.viii	6am	26	Depth							
			10	16.25	17.48	5.68	96	2	19	
			12	16.25	17.97	5.40	93	2	6	
			14	16.25	18.01	5.90	102	0	3	
			0	14.10	2.56	7.11	99	6	219	
			2	15.55	13.00	6.16	99	5	94	
	8am	25½	4	15.95	16.20	5.90	100	6	40	
			6	16.10	17.28	5.57	95	4	21	
			8	16.10	17.82	5.77	99	7	4	
			10	16.25	17.67	5.77	99	4	7	
			12	16.25	17.95	5.96	102	2	0	
			14	16.25	18.26	5.90	103	4	3	
	10am	24	0	14.50	2.50	6.86	96	5	206	
			2	15.70	13.59	5.30	86	7	189	
			4	16.10	16.55	5.37	91	4	58	
			6	16.25	17.28	5.64	97	4	28	
			8	16.25	17.67	5.68	97	4	9	
			10	16.30	18.16	5.57	96	4	6	
	12 n	22	12	16.35	18.11	5.80	100	4	0	
			14	16.35	18.31	5.96	103	0	0	
			0	15.20	2.76	7.15	102	6	158	
			2	15.60	15.17	5.04	84	5	122	
			4	16.15	16.15	5.42	92	6	45	
			6	16.25	17.13	5.45	93	3	16	
			8	16.35	17.72	5.42	93	6	7	
			10	16.35	17.92	5.42	94	3	2	
			12	16.40	18.11	4.79	83	8	20	
			14	16.40	18.45	5.80	101	0	0	

Location: SWAN RIVER NO. 6 - CRAWLEY BAY

Date	Time	Tide (in.)	Air Temp. °C.	Water Temp. °C.	Cl ‰	O ₂	O ₂ %	PO ₄ -P	NO ₃ -N
1953			Depth						
21-	12 n	12	0	18.00	7.48	7.05	112	2	0
22.x			1	17.40	7.73	6.90	109	3	0
			2	17.55	9.16	5.95	95	16	0
			3	17.55	10.92	5.25	86	6	0
			4	17.50	16.19	2.40	42	16	0
			5	17.50	15.03	2.80	48	15	0
			6	17.45	16.83	1.24	22	15	0
	2pm	13	0	18.20	7.85	6.25	100	10	0
			1	18.15	7.80	6.47	104	4	0
			2	17.80	7.90	6.40	102	5	0
			3	17.60	10.12	5.57	90	7	0
			4	17.65	11.47	4.81	79	5	0
			5	17.55	12.96	4.30	72	7	0
			6	17.50	13.66	3.62	61	6	0
	4pm	14	0	18.20	7.45	6.35	101	2	0
			1	18.20	7.53	6.50	103	7	0
			2	17.95	7.95	6.53	104	2	0
			3	17.55	9.11	6.03	97	1	0
			4	17.50	11.17	5.23	85	1	0
			5	17.50	14.36	3.71	63	7	0
			6	17.50	15.15	2.43	42	9	0
	6pm	14	0	18.10	7.60	6.50	103	2	0
			1	18.05	7.55	6.44	102	2	0
			2	17.90	7.63	6.25	99	7	0
			3	17.50	8.36	6.18	98	14	0
			4	17.50	13.01	4.37	73	11	0
			5	17.45	15.25	2.91	50	16	0
			6	17.40	16.24	1.93	33	21	0
	8pm	18	0	17.85	7.53	6.21	98	16	0
			1	17.85	7.45	6.35	101	12	0
			2	17.90	7.75	6.32	100	5	0
			3	17.75	8.71	5.98	96	11	0
			4	17.50	9.77	5.54	82	6	0
			5	17.40	12.02	4.11	68	9	0
			6	17.40	13.56	3.52	59	14	0
	10pm	20	0	17.75	7.25	6.13	97	5	0
			1	17.80	7.30	6.35	100	5	0
			2	17.85	7.58	5.77	91	1	0

Location: SWAN RIVER NO. 6 - CRAWLEY BAY

Date	Time	Tide (in.)	Air Temp. °C.	Water Temp. °C.	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N		
1953			Depth								
21-22.x	10pm	20	3	17.60	9.14	5.97	95	6	0		
			4	17.45	11.27	4.80	79	23	0		
			5	17.40	12.67	3.88	64	13	0		
			6	17.40	13.91	3.18	53	15	0		
			12mn	21	0	17.60	7.23	6.21	97	5	0
					1	17.70	7.33	5.51	87	5	0
	2	17.75			8.00	5.88	93	11	0		
	3	17.50			10.32	5.30	86	43	0		
	4	17.40			11.67	4.87	80	9	0		
	5	17.40			13.19	3.80	63	12	0		
	2am	18	6	17.40	14.21	2.91	49	29	0		
			0	17.40	7.38	6.03	95	5	0		
			1	17.50	7.50	6.06	95	7	0		
			2	17.40	8.86	5.70	90	7	0		
			3	17.45	10.97	4.95	81	7	0		
			4	17.45	12.60	3.91	65	9	0		
	4am	15	5	17.40	13.69	3.10	52	19	0		
			6	17.35	14.80	2.67	45	16	0		
			0	17.10	7.35	6.00	94	4	0		
			1	17.20	7.30	6.23	97	5	0		
			2	17.75	8.44	5.85	93	3	0		
			3	17.50	11.60	4.41	72	7	0		
	6am	12	4	17.40	12.32	3.50	58	9	0		
			5	17.40	13.26	3.15	53	13	0		
6			17.40	14.85	2.90	49	19	0			
0			17.05	6.84	5.90	92	1	0			
1			17.15	7.05	5.90	92	3	0			
2			17.70	8.91	5.72	91	4	0			
8am	13	3	17.50	10.62	4.78	78	2	0			
		4	17.40	12.52	4.16	69	12	0			
		5	17.40	12.37	3.65	60	15	0			
		6	17.40	14.58	2.59	44	18	0			
		0	17.35	6.89	5.83	91	6	0			
		1	16.90	6.64	5.77	89	7	0			
			2	17.60	7.60	5.83	92	5	0		
			3	17.45	10.62	4.35	71	3	0		
			4	17.40	12.07	3.80	63	12	0		
			5	17.30	14.11	2.82	48	18	0		
			6	17.30	14.55	2.82	48	23	0		

Location: SWAN RIVER NO. 6 - CRAWLEY BAY

Date	Time	Tide (in.)	Air Temp. °C.	Water Temp. °C.	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1953									
21-22.x	10am	13							
			Depth						
			0	17.50	4.92	6.40	98	14	0
			1	17.00	6.39	6.35	98	9	0
			2	17.70	12.37	4.55	76	12	0
			3	17.45	15.18	2.90	50	14	0
			4	17.40	16.14	1.68	29	29	0
			5	17.35	16.24	1.68	29	23	0
			6	17.35	16.73	1.20	21	28	0
	12 n	14	0	18.80	6.15	6.26	99	9	0
			1	17.35	7.93	6.10	97	11	0
			2	17.70	11.99	5.02	83	11	0
			3	17.50	15.16	2.85	49	12	0
			4	17.50	16.10	1.86	32	15	0
			5	17.50	16.54	1.16	20	26	0
			6	17.45	16.83	1.10	19	32	0
26-27.xi	10am	22	0	20.15	13.05	5.32	93	11	
			1	19.60	13.05	5.49	95	13	
			2	20.15	13.15	5.47	95	14	
			3	20.30	13.82	5.19	92	11	
			4	19.25	14.79	4.18	73	17	
			5	19.15	15.93	3.72	66	20	
			6	19.20	16.87	3.28	59	17	
	12 n	21	0	20.60	12.18	5.40	94	14	
			1	19.75	12.60	5.52	95	15	
			2	20.45	13.30	5.30	93	14	
			3	20.15	13.89	5.19	92	15	
			4	19.30	15.93	4.05	72	16	
			5	19.25	17.31	3.40	61	23	
			6	19.20	17.93	2.29	42	21	
	2pm	20	0	20.45	13.70	5.30	94	12	
			1	20.60	13.70	5.30	94	9	
			2	20.00	13.99	5.30	94	11	
			3	20.30	14.59	5.15	92	15	
			4	19.70	14.69	4.77	84	16	
			5	19.35	15.78	4.02	71	16	
			6	19.25	16.23	3.96	70	17	

Location: SWAN RIVER NO. 6 - CRAWLEY BAY

Date	Time	Tide (in.)	Air Temp. °C.	Water Temp. °C.	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N		
1953 26 27, xi	4pm	21	Depth								
			0	20.45	13.70	5.25	93				
			1	20.45	13.70	5.27	93				
			2	20.50	13.82	5.27	93				
			3	20.25	14.02	5.25	93				
			4	20.05	14.24	4.98	88	11			
			5	19.70	15.98	3.90	70	18			
6pm	22	0	20.70	13.38	5.38	95	15				
		1	20.70	13.63	5.52	98					
		2	20.70	13.68	5.56	98					
		3	20.95	14.07	5.44	98					
		4	20.25	14.24	5.32	94					
		5	20.00	15.51	4.50	81					
		6	19.55	15.63	4.40	78					
8pm	24	0	20.30	13.10	5.56	96	14				
		1	20.45	13.10	5.66	98	13				
		2	20.75	13.25	5.52	98	15				
		3	20.70	13.58	5.40	95	15				
		4	20.65	13.48	5.52	98	14				
		5	20.15	14.12	5.30	94	16				
		6	19.65	14.29	4.80	84	16				
10pm	26	0	20.10	12.83	5.47	95	8				
		1	20.50	13.10	5.32	93	11				
		2	20.55	13.20	5.32	93	11				
		3	20.45	13.53	5.44	96	15				
		4	20.20	13.75	5.40	95	15				
		5	20.30	14.77	4.95	88	16				
		6	19.50	15.38	4.54	81	27				
12pm	28	0	20.25	12.75	5.47	95	10				
		1	20.40	12.80	5.47	95	10				
		2	20.00	12.93	5.18	90	16				
		3	20.45	13.20	5.38	95	13				
		4	19.90	13.65	5.24	91	16				
		5	19.55	14.62	4.77	84	16				
		6	19.50	15.17	4.24	75	20				
2am	29	0	19.95	13.00	5.35	93	8				
		1	20.45	13.13	5.25	92	13				

Location: SWAN RIVER NO. 6 - CRAWLEY BAY

Date	Time	Tide (in.)	Air Temp. °C.	Water Temp. °C.	Cl ‰	O ₂	O ₂ ‰	PO ₄ -P	NO ₃ -N
1953			Depth						
26- 27.xi	2am	29	2	20.60	13.53	5.38	95	12	
			3	20.45	13.53	5.32	94	16	
			4	19.80	14.44	5.02	89	17	
			5	19.40	15.71	4.18	74	23	
			6	19.40	16.06	3.82	68	22	
			0	19.70	12.95	5.47	95	13	
	4am	28	1	19.70	12.95	5.44	94	16	
			2	19.70	13.10	5.44	94	10	
			3	20.35	13.45	5.25	92	13	
			4	19.70	13.73	4.98	87	13	
			5	19.35	15.09	4.50	79	18	
			6	19.30	15.58	4.05	72	21	
	6am	27	0	19.25	12.70	5.47	94	9	
			1	19.50	12.70	5.30	91	10	
			2	19.90	12.85	5.40	94	11	
			3	20.40	13.70	5.30	94	30	
			4	19.55	15.32	4.27	76	13	
			5	19.25	15.09	4.54	80	16	
	8am	25	6	19.30	15.68	4.02	71	13	
			0	19.70	12.70	5.38	93	13	
			1	19.70	12.70	5.44	94	21	
			2	19.70	12.75	5.49	95	16	
			3	19.85	13.43	5.49	96	11	
			4	19.30	14.07	5.06	88	12	
10am	23	5	19.25	15.22	4.15	73	15		
		6	19.25	15.96	3.52	63	21		
		0	20.00	12.40	5.30	92	14		
		1	20.00	12.33	5.62	97	13		
		2	19.90	13.50	5.32	93	16		
		3	20.00	14.64	4.98	88	20		
4	19.40	14.99	4.56	80	21				
5	19.25	16.11	3.37	60	21				
6	19.25	16.62	3.10	55	25				

Location: PEEL-HARVEY INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 29.1	1	S	21.20	19.91	4.16	80	8.32	2-11	6	
		D	21.20	19.88	3.97	76	8.19	2-10	0	
	1a	S	22.20	19.58	5.34	104	8.28	3	0	
		D	22.20	19.61	5.34	104	8.26	2	0	
	2	S	23.50	19.68	5.17	103	8.24	5-7	0	
		D	23.30	19.64	5.11	102	8.24	0-13	0	
	3a	S	22.20	14.57	4.75	88	7.98	4-14	0	
		D	25.10	18.45	5.05	101	8.15	2-12	0	
	4	S	23.00	20.13	5.24	104	8.11	2	0	
	5	S	25.70	8.47	5.41	99	8.02	0	0	
	7	S	22.20	19.32	4.93	96	8.17	0-7	0	
		D	22.10	19.74	4.82	94	8.16	0-9	0	
	7a	S	22.80	19.09	5.05	99	8.21	2-10	0	
	8	S	25.30	8.55	5.24	95	7.92	4-18	0	
		D	28.50	18.19	1.97	41	7.90	3-23	0	
	9	S	23.10	0.54	4.82	78	7.08	0	6	
	20.11	1	S	21.80	20.65	4.09	80	8.17	3-16	0
			D	21.70	20.67	4.09	80	8.17	3-16	0
		1a	S	21.90	20.69	4.82	95	8.19	2	0
			D	21.70	20.70	4.72	92	8.19	2	0
2		S	23.90	20.93	4.78	97	8.19	0-28	0	
		D	23.55	20.93	4.82	97	8.19	2-32	0	
3a		S	26.80	19.15	4.69	98	8.29	5-27	0	
		D	26.70	19.13	4.82	101	8.28	6-26	8	
4		S	24.00	21.20	4.75	97	8.24	2	0	
5		S	28.40	10.38	4.93	96	8.11	1	0	
7		S	22.50	19.92	4.93	97	8.22	0-26	0	
		D	23.10	20.19	4.63	94	8.18	0-23	0	
7a		S	23.30	19.67	4.78	95	8.20	0-40	0	
8		S	25.75	6.58	5.54	99	8.00	2-27	0	
		D	31.10	18.75	1.39	31	7.99	10-13	0	
9		S	25.60	0.64	4.40	74	7.05	3	52	

Location: PEEL-HARVEY INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 25.111	1	S	21.10	20.31	4.27	82	8.10	0-12	0	
		D	21.25	20.32	4.27	82	8.10	0-7	0	
	1a	S	21.20	20.85	4.40	85	8.16	0	0	
		D	21.25	20.85	4.27	83	8.14	3	0	
	2	S	21.90	20.58	4.93	96	8.12	2-11	2	
		D	22.00	21.86	4.46	89	8.09	2-14	12	
	3a	S	22.50	21.69	4.15	83	8.23	2-15	0	
		D	22.50	21.70	4.07	81	8.22	2-14	14	
	4	S	22.20	22.28	4.71	95	8.15	0	2	
	5	S	23.00	17.47	4.46	89	8.23	5-18	3	
	7	S	22.00	22.73	4.54	91	8.16	2-12	3	
		D	22.05	23.11	4.45	90	8.16	2-9	5	
	7a	S	21.80	22.30	4.64	92	8.12	1-15	0	
	8	S	24.10	15.56	5.59	111	8.27	28-0	0	
		D	25.80	21.24	0.94	19	8.06	5-13	3	
	9	S	27.85	0.67	4.35	75	7.10	2-11	5	
	22.1v	1	S	19.70	21.17	4.45	84	8.10	4-6	13
			D	19.70	21.32	4.57	87	8.09	4-11	0
		1a	S	19.75	21.70	4.75	91	8.11	2	0
			D	19.60	21.80	4.75	91	8.10	2	0
2		S	21.10	21.70	5.13	100	8.14	1-16	0	
		D	21.10	21.80	4.92	96	8.15	1-10	0	
3a		S	22.20	21.92	4.18	83	8.12	1-15	2	
		D	22.00	22.04	3.98	79	8.12	7-7	2	
4		S	20.90	22.18	5.33	104	8.14	1	1	
5		S	20.90	16.26	4.68	86	8.08	12-9	3	
7		S	20.00	22.28	4.92	95	8.14	2-12	2	
		D	19.40	22.38	4.92	94	8.14	2-12	0	
7a		S	20.60	22.67	4.23	83	7.87	2-14	2	
8		S	22.30	14.84	5.20	96	8.06	13-10	8	
		D	24.80	20.45	0	0	7.82	20-13	10	
9		S	20.80	2.95	3.90	62	7.25	10-11	1	

Location: PEEL-HARVEY INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1953 28.v	1	S	17.75	19.48	5.54	100	8.05	0-11	0	
		D	17.75	19.67	5.54	100	8.09	0-13	0	
	1a	S	17.70	19.48	5.47	99	8.08	0	0	
		D	17.70	19.53	5.62	102	8.06	0	0	
	2	S	16.55	18.36	5.82	102	8.00	0-11	0	
		D	16.60	18.50	5.77	101	7.96	0-15	0	
	3a	S	17.30	4.98	5.56	85	7.63	3-19	34	
		D	17.20	7.84	5.17	81	7.50	2-21	13	
	4	S	17.40	18.46	6.06	107	8.06	0	0	
	5	S	16.80	1.73	5.82	85	7.36	10	167	
	7	S	16.40	18.60	5.94	104	8.02	0-14	0	
		D	16.45	18.94	5.88	103	8.00	0-16	0	
	7a	S	16.60	19.28	5.75	102	8.00	0-13	0	
	8	S	16.30	1.02	5.97	86	7.12	10-9	216	
		D	19.50	17.22	0.77	14	7.37	12-15	6	
	9	S	15.10	0.26	6.10	85	6.96	4	338	
	26.vi	1	S	14.30	13.44	6.20	98	8.30	5-11	66
			D	14.30	13.83	6.31	100	8.27	9-12	65
1a		S	13.80	10.84	6.53	100	8.19	8	136	
		D	13.95	11.46	6.24	96	8.22	9	134	
2		S	13.50	7.77	6.79	99	8.00	8-17	256	
		D	13.50	8.59	6.63	98	7.97	10-4	242	
3a		S	14.20	0.24	5.23	71	7.62	58-3		
		D	14.70	0.24	4.81	66	6.92	61-0		
4		S	13.50	4.32	6.63	93	7.84	12	450	
5		S	12.40	0.51	6.79	90	7.14	17		
7		S	13.40	8.32	6.89	101	7.92	9-8	264	
		D	13.55	8.69	6.48	96	8.00	7-10	248	
7a		S	13.40	8.32	6.70	98	7.98	7-16	274	
8		S	11.80	0.51	6.89	90	7.18	22-1		
		D	11.90	0.51	6.94	91	7.20	21-3		
9		S	11.30	0.75	6.86	89	7.31	19		

Location: PEEL-HARVEY INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO.	
1953 24.vii	1	S	15.30	18.41	5.41	92	8.26	7-20		
		D	15.30	18.65	5.48	94	8.25	12-20	21	
	1a	S	15.20	18.07	5.72	97	8.26	9	30	
		D	15.10	18.24	5.55	94	8.26	13	28	
	2	S	14.90	1.36	6.40	90	7.43	9-16	320	
		D	14.00	3.19	5.76	81	7.50	13-15	252	
	3a	S	15.00	0.39	5.91	82	6.88	18-10	65	
		D	15.00	0.39	5.51	76	6.86	29-0	66	
	4	S	14.60	3.97	6.89	98	7.76	7	205	
	5	S	12.30	0.41	7.14	94	7.23	14	575	
	7	S	14.60	3.69	6.94	99	7.82	7-18	475	
		D	14.00	4.25	6.62	94	7.71	6-26	425	
	7a	S	14.00	3.97	5.68	80	7.76	7-20	370	
	8	S	12.05	0.41	7.14	94	7.33	8-20	575	
		D	12.10	0.41	7.34	97	7.30	10-8	590	
	9	S	11.75	0.41	6.88	90	7.36	10	625	
	27.viii	1	S	15.15	9.27	6.36	98	8.51	2-9	7
			D	15.30	17.19	6.05	102	8.57	1-11	0
		1a	S	14.70	7.32	6.59	98	8.57	2-12	15
			D	15.90	16.41	5.65	95	8.58	3-9	3
2		S	14.80	4.66	7.00	101	8.37	4-14	48	
		D	14.60	5.62	7.14	104	8.30	4-14	30	
3a		S	14.10	0.51	6.61	90	7.50	10-7	20	
		D	13.90	0.51	5.51	89	7.38	10-2	25	
4		S	14.60	4.66	6.97	100	8.29	7-15	63	
5		S	12.80	0.56	7.40	99	7.66	7	62	
7		S	14.30	4.21	7.15	102	8.25	5-14	43	
		D	14.20	4.21	7.15	103	8.25	3-14	39	
7a		S	14.10	2.80	7.13	100	8.25	6-12	17	
8		S	12.60	0.56	7.35	98	7.70	4-5	60	
		D	12.40	0.61	7.15	95	7.70	6-9	91	
9		S	11.70	0.66	6.97	91	7.89	3	69	

Location: PEEL-HARVEY INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N	
1953 28.ix	1	S	16.95	13.06	5.55	92		5-13	0	
		D	16.40	18.64	5.68	99		8-3	0	
	1a	S	17.60	11.97	5.84	97		6-8	0	
		D	17.30	15.44	5.30	91		8-7	22	
	2	S	18.30	9.75	6.23	102		4-5	0	
		D	18.40	10.37	5.72	94		8-0	46	
	3a	S	18.90	0.72	5.45	82		7-7	0	
		D	17.50	0.72	5.65	82		7-8	7	
	4	S	19.50	12.22	6.19	106		7-6	0	
	5	S	18.80	0.62	6.90	103		7-11	0	
	7	S	18.05	6.94	6.44	102		5-14	0	
		D	17.55	8.83	6.32	101		14-1	0	
	7a	S	18.00	5.42	6.39	99		7-5	0	
	8	S	19.00	0.67	6.90	104		7-1	7	
		D	16.10	0.67	6.00	86		14-4	3	
	9	S	16.50	0.77	6.82	98		6-4	9	
	28.x	1	S	18.10	8.83	6.39	103	7.97	4	0
			D	16.40	11.73	6.12	99	8.06	2-16	0
		1a	S	18.50	9.79	7.11	116	8.13	5-14	0
			D	18.60	9.84	6.94	112	8.10	6-14	0
2		S	18.00	7.67	6.26	100	8.05	7	0	
		D	17.00	10.95	5.84	94	8.00	9-16	0	
3a		S	17.50	0.47	6.01	88	8.48	2-22	58	
		D	16.80	0.52	6.05	87	8.38	7-16	0	
4		S	17.30	10.33	6.12	99	7.98	13-27	0	
5		S	19.10	0.70	6.39	96	8.04	3-66	0	
7		S	17.10	8.98	6.26	100	8.02	9-25	0	
		D	16.40	11.20	5.80	93	7.97	2	0	
7a		S	16.90	7.62	6.29	98	8.12	0-20	0	
8		S	18.40	0.60	6.48	96	8.01	8-7	0	
		D	17.60	0.60	6.48	95	7.81	4-12	0	
9		S	17.30	0.72	6.74	98		5-14	5	

Location: PEEL-HARVEY INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1953 15.xii	1	S	20.40	13.43	5.24	94		0-42	0
		D	20.20	13.51	5.30	95		0-18	0
	1a	S	21.60	13.38	6.16	110		0-14	0
		D	21.15	13.31	6.10	109		0-13	0
	3a	S	24.60	0.82	4.71	77		0-17	0
		D	24.10	0.98	4.63	76		0-21	0
	5	S	26.25	1.03	5.47	93		2-14	0
	8	S	26.50	0.51	5.84	100		0-12	0
		D	26.80	1.49	3.66	63		10-14	0
	9	S	24.80	0.51	5.13	85		0-14	0