OCEANOGRAPHICAL STATION LIST

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Volume 7

Estuarine Hydrological Investigations in Eastern Australia, 1940-50

New South Wales: Port Hacking, Lake Illawarra, Shoalhaven River, Jervis Bay, Clyde River, Moruya River, Tuross River, Wagonga Inlet; Victoria: Port Phillip; Tasmania: Tamar River, Derwent River, Huon River, D'Entrecasteaux Channel, Pittwater, Lake Dobson (Freshwater), Penna Dam (Freshwater)

Compiled by D. J. Rochford

COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANIZATION. AUSTRALIA
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ESTUARINE HYDROLOGICAL INVESTIGATIONS IN EASTERN AUSTRALIA 1940-50

NEW SOUTH WALES: PORT HACKING, LAKE ILLAWARRA, SHOALHAVEN. RIVER, JERVIS BAY, CLYDE RIVER, MORUYA RIVER, TUROSS RIVER, WAGONGA INLET. VICTORIA: PORT PHILLIP. TASMANIA: TAMAR RIVER, DERWENT RIVER, HUON RIVER, D'ENTRECASTEAUX CHANNEL, PITTWATER, LAKE DOBSON (FRESHWATER), PENNA DAM (FRESHWATER)

Compiled by D. J. ROCHFORD

I. INTRODUCTION

With the wartime cessation of oceanographical work, the hydrological work of the C.S.I.R.O. Fisheries Division was concentrated upon the onshore and estuarine environment.

The hydrological data contained in this volume have been utilized in a recent general survey of the Australian estuarine environment (Rochford 1951) and any further details concerning the development and implications of the estuarine investigations can be obtained by reference to that publication.

II. METHODS

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

III. TIDAL CORRECTIONS

In order that the time of storage prior to analysis could be kept at a minimum, water sampling at estuarine stations had to be carried out as soon as the station was occupied without waiting for any particular phase of the tide. It was hoped that a correction based upon the time lag between sampling and a particular height of tide could be applied to the hydrological data thus obtained. As discussed by Rochford (1951), however, the effort required is very great and can in any case be applied only to those estuarine systems for which sufficient accurate tidal information is available.

As the Georges River-Botany Bay, Port Hacking, and Hawkesbury River systems are the only eastern Australian systems for which such tidal data are available, it was thought best to leave the hydrological data in these volumes uncorrected. In the appropriate paper dealing with these estuarine systems, tidal corrections will be applied as required.

IV. Units

Units are those used by Rochford (1951).

V. Location of Stations

The data have been collected from a number of stations on the eastern Australian coast. Table 1 gives the detail of the system's stations dealt with in this volume. Figure 1 of Volume 6 shows the location of the systems along the eastern coast. Where the sampling stations are all situated within the channel of the estuarine system, the distance of each station from the entrance of the system has been given and will enable the longitudinal relationship of each to be established. In certain cases, however, the distribution of stations is so random that no attempt has been made to give a distance reference.

In the subsequent papers dealing with these systems, station maps giving the location of each station will be included.

VI. Personnel

The laboratory analyses of the data have been the responsibility of Mr. D. J. Rochford and the hydrology staff at Cronulla. The field collections have been carried out by Messrs. C. Wirrell, H. Hollis, C. Brown, and G. Kitchen, to whose perseverance and loyalty the whole programme is indebted.

VII. References

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

Table 1

System	Station No.	Distance from Mouth (miles)	Location
New South Wales			
Port Hacking	1	0	Entrance
	2	1.5	Mouth of Gunnamatta Bay
	3	2.5	Mouth of Burraneer Bay
	4	3.5	Mouth of South-west Arm
	5	4.5	Upper South-west Arm
	6	5.0	Mouth of Audley River
	7	6.0	Mangrove stand
	8	8.5	Bend below Audley
Lake Illawarra	1	—	Entrance
	2	—	Cudgeree Island
	3	—	Middle of Lake
	4	—	Gooseberry Island
	5	—	Kelly's Bay

TABLE 1 (*continued*)

New South Wales			
Shoalhaven River	1	0	Entrance
	2	3.5	Numbaa
	3	8.0	Nowra Bridge
	4	20.0	Bamerang
	5	24.5	Burriar
	6	27.0	Grassy Gully
	7	121.0	Charleyong
	8	136.0	Braidwood Crossing
Jervis Bay	1	—	Entrance
Clyde River	1	0	Snapper Island
	2	2.0	Punt
	3	5.0	Chinaman's Point
	4	8.0	Chinaman's Point Bend
	5	11.5	Bend Nelligen
	6	18.0	Nelligen
	7	24.0	Currowan Road Crossing
	8	27.5	Road Crossing, Broona
Moruya River	1	0	Entrance
	2	3.5	Moruya Bridge
	3	6.0	First Bend
	4	10.5	Kiora Bend
	5	16.5	5 miles above Kiora
	6	28.5	10 miles above Kiora
	7	40.5	Junction Araluen Creek
Tuross River	1	0	Entrance
	2	1.7	Off Rabbit Island
	3	2.2	Off Corilla Point
	4	2.7	Cambathin Island
	5	4.3	Pig Island
	6	6.0	Tuross Bridge
	7	7.0	Bora Lake
	8	8.6	Trunketabella Bridge
	9	15.0	Eurobadalla
	10	25.2	Cadgee
Wagonga Inlet	1	0.5	Road Bridge
	2	1.1	Mouth of Forster Bay
	3	1.75	Mouth of Barlow's Bay
	4	2.75	Mouth of Freshwater Bay
	5	3.25	Mouth of Wagonga River
	5a	3.5	Punkally Creek
	6	3.7	Wagonga
	7	5.5	Bilba Bilba
Victoria			
Port Phillip	1	—	Hobson's Bay
	2	—	Off Frankston
	3	—	South Channel off Sorrento
	5	—	Centre of Bay
	6	—	Geelong Outer Harbour
Tasmania			
Tamar River	1	0	Low Head
	2	5.0	Beauty Point
	3	14.0	Deviot
	4	18.0	Gravelly Beach

TABLE 1 (*continued*)

Tasmania			
Tamar River	4a	22.0	Rosevear Jetty
	5	26.0	Legana
	6	33.0	Trevallyn
	7	40.0	St. Leonards
	8	42.5	Hadspen
	9	56.0	Perth
	10	69.0	Deloraine
	11	79.0	Epping
Derwent River	1	0	Entrance to D'Entrecasteaux Channel
	2	6.0	Off Taroona
	3	12.0	Hobart Bridge
	4	17.0	Claremont
	5	22.0	Bridgewater
	6	29.0	New Norfolk
	7	38.0	Plenty Bridge
	7a	60.0	Clyde River at Hamilton
	8	70.0	Ouse River at Ouse
	9	84.0	Nive River at Tarraleah
	9a	85.5	Clyde River at Bothwell
	9b	95.0	Shannon River at Waddamana
	10	101.0	Derwent River at Butler's Gorge
	10a	105.0	Great Lake, Miena
	11	109.0	Derwent River at Derwent Bridge
	11a	110.5	Lake Sorell at Interlaken
	12	115.0	Great Lake at Breona
	13	117.0	Lake St. Clair
	14	—	Nive River, Upper Road Bridge
	15	—	Ouse River, Upper Road Bridge
Huon River	1	0	Off Garden Island Creek
	2	11.0	Off Wattle Grove
	3	15.0	Off Cradoc
	4	20.0	Huonville
	5	25.0	Crabtree
D'Entrecasteaux Channel	1	—	Tinderbox
	2	—	Sheppard's
	3	—	Barnes Bay
	4	—	Apollo Bay
	5	—	Simpson's Point
	6	—	Gordon
Pittwater	1	—	Railway Causeway, Inshore
	2	—	Railway Causeway, Offshore
	3	—	Road Bridge
	4	—	Pigeon Hole Creek
Lake Dobson (freshwater)	1	—	No. 1
	1a	—	Eagle Tarn Creek
	2	—	No. 2
	3	—	No. 3
	4	—	Golden Stairs Creek
Penna Dam (freshwater)	1	—	Outlet
	2	—	Inlet

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1940									
16.x	1	S	19.50	19.61					
		D	18.50	.63					
	4	S	19.20	.44					
		D	18.40	.46					
	6	S	19.50	.09					
		D	18.00	.43					
	8	S	22.40	16.12					
		D	21.00	18.12					
22.x	4	S	20.00	19.48				7	
		D	17.90	.44				7	
	6	S	21.40	.37				7	
		D	17.80	.41				8	
	8	S	23.50	17.63				0	
		D	23.20	18.33					
27.x	1	S	18.70	19.51					
		D	17.10	.52					
	4	S	19.30	.48					
		D	18.80	.49					
	6	S	20.50	.39					
		D	19.00						
	8	S	23.30	17.95					
		D	21.50	18.65					
29.x	1	S	18.10	19.69				9	0
		D	17.90	.63				6	8
	4	S	17.80	.56				10	8
		D	16.10	.52				8	6
	6	S	18.70	.47				3	0
		D	17.50	.47				11	6
	8	S	23.00	18.45				8	0
		D	23.00	.52				0	4

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1940									
13. xi	1	S	17.50	19.70				4	37
		D	17.00	.63				4	44
	4	S	20.55	.71				13	0
		D	18.00	.68				13	0
	6	S	20.70	.68				9	0
		D	19.00	.64				5	0
	8	S	24.10	18.68				9	0
		D	23.60	19.01				9	0
18. xi	1	S	18.40	19.62				5	0
		D	17.00	.60				5	0
	4	S	19.30	.49				8	0
		D	18.40	.50				8	55
	6	S	20.00	.57				5	0
		D	18.50	.55				5	0
	8	S	21.50	18.67				7	10
		D	20.50	.82				8	0
25. xi	1	S	20.10	19.59				5	0
		D	20.00	.55				3	0
	4	S	20.80	.54				7	0
		D	19.60	.56				8	0
	6	S	21.20	.52				5	0
		D	19.50	.53				5	0
	8	S	24.10	18.47				3	0
		D	23.00	.73				0	0
4. xii	1	S	20.40	18.52				7	395
		D	18.80	19.32				7	167
	4	S	22.00	15.98				4	395
		D	19.90	18.69				6	550
	6	S	23.00	10.39				0	84
		D	20.00	18.12				5	395
	8	S	23.00	1.70				0	56
		D	20.40	14.73				0	116

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1940									
9. xii	1	S	22.00	17.86				4	0
		D	18.20	19.20				4	9
	4	S	25.40	15.01				5	2
		D	20.30	18.87				7	0
	6	S	25.00	15.00				4	10
		D	19.90	18.67				4	0
	8	S	27.60	4.36				4	77
		D	23.30	15.55				4	12
16. xii	1	S	19.50	19.47				2	0
		D	18.40	.55				4	11
	4	S	23.50	18.53				0	11
		D	20.20	19.26				2	0
	6	S	23.80	18.19				0	0
		D	20.30	.96				0	0
	8	S	28.50	11.11				1	8
		D	25.60	16.25				0	2
23. xii	1	S	21.00	18.88				4	2
		D	19.50	19.42				4	5
	4	S	22.10	18.08				2	5
		D	21.00	19.08				2	0
	6	S	22.40	17.39				2	2
		D	20.40	18.81				0	19
	8	S	23.80	8.10				2	9
		D	23.10	16.36				4	5
30. xii	1	S	19.50	19.57				6	14
		D	18.70	.59				4	26
	4	S	22.00	.11				6	5
		D	21.40	.25				6	14
	6	S	22.50	18.78				5	7
		D	20.90	19.18				6	2
	8	S	24.50	14.63				6	8
		D	23.40	16.81				4	22

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1941									
6.1	1	S	22.00	18.93				6	0
		D	20.20	19.45				4	0
	4	S	22.80					9	0
		D	21.20	.18				6	2
	6	S	23.70	17.49				6	0
		D	21.20	18.96				15	0
	8	S	25.30	4.93				5	0
		D	24.20	17.37				7	2
13.1	4	S	23.40	18.99					
		D	21.60	19.24					
	6	S	23.50	18.29					
		D	21.90	19.14					
	8	S	25.50	7.16					
		D	26.10	15.56					
22.1	1	S	22.90	19.41					
		D	22.80	.44					
	4	S	23.40	.29					
		D	21.80	.42					
	6	S	24.10	18.87					
		D	21.80	19.35					
	8	S	27.25	16.65					
		D	24.75	17.71					
28.1	4	S	22.40	19.16				9	0
		D	20.00	.27				4	0
	6	S	22.40	.20				2	0
		D	20.80	.30				5	0
	8	S	26.00	14.60				11	2
		D	23.80	17.25				5	0
5.11	1	S	20.10	19.40				6	2
		D	20.00	.42				7	2
	4	S	21.10	.19				6	0
		D	20.60	.35				7	5
	6	S	21.60	.13				6	7
		D	21.00	.26				6	5
	8	S	24.00	14.17				2	5
		D	24.00	17.90				4	3

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1941									
10.ii	1	S	23.40	19.34				5	0
		D	21.60	.36				4	0
	4	S	25.30	18.71				6	0
		D	21.00	19.18				7	0
	6	S	25.30	17.90				4	2
		D	21.50	19.13				5	0
	8	S	28.60	11.01				3	3
		D	26.10	17.02				2	0
17.ii	1	S	21.00	19.60				8	2
		D	20.50	.62				6	5
	4	S	22.90	.29				5	0
		D	20.70	.35				8	0
	6	S	23.00	18.02				6	0
		D	20.90	19.32				6	0
	8	S	25.80	14.73				6	0
		D	23.80	17.17				4	0
27.ii	1	S	21.60	19.59				3	0
		D	20.60	.59				3	0
	4	S	22.00	.48				3	0
		D	21.20	.50				4	0
	6	S	22.40	.26				3	0
		D	21.50	.41				4	0
	8	S	25.50	17.26				2	0
		D	25.50	.46				2	0
4.iii	1	S	20.40	19.56				5	0
		D	16.80	.58				6	37
	4	S	23.00	.48				5	0
		D	22.10	.57				5	0
	6	S	22.60	.44				4	0
		D	22.10	.50				5	0
	8	S	26.00	17.18				2	5
		D	25.00	18.32				1	18

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1941									
13.iii	1	S	19.90	19.60				4	0
		D	19.60	.61				5	0
	4	S	21.60	.57				5	0
		D	20.30	.55				6	0
	6	S	21.95	.49				4	0
		D	19.80	.57				5	0
	8	S	24.15	18.19				2	0
		D	21.90	.97				2	0
17.iii	1	S	10.70	19.71				5	0
	4	S	21.25	.58				2	0
		D	20.75	.62				5	0
	6	S	21.75	.54				2	0
		D	20.75	.64				4	0
	8	S	23.60	18.02				2	0
		D	22.35	.95				2	0
24.iii	1	S	19.10	19.67				6	0
		D	18.70	.63				6	0
	4	S	20.65	.54				6	0
		D	19.55	.62				6	0
	6	S	20.90	.51				6	0
		D	20.00	.59				6	0
	8	S	22.95	17.48				5	0
		D	20.50	18.72				5	0
31.iii	1	S	20.60	19.65				6	0
		D	18.85	.65				8	10
	6	S	21.45	.54				5	0
		D	20.30	.62				6	2
2.v	1	S	18.20	19.70				6	2
		D	18.15	.71				6	10
	4	S	18.10	.60				5	5
		D	17.40	.64				6	5
	6	S	17.40	.62				6	0
		D	17.70	.63				7	7
	8	S	17.70	18.36				6	5
		D	17.25	.55				6	5

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1941									
10.v	1	S	18.50	19.67				3	
		D	18.30	.63				6	
	4	S	18.30	.63				5	
		D	17.70	.61				5	
	6	S	18.50	.59				6	
		D	17.70	.42				5	
	8	S	18.95	17.84				3	
		D	17.50	18.74				5	
16.v	1	S	18.45	19.76				7	0
		D	17.25	.69				4	2
	4	S	17.30	.70				4	0
		D	17.30	.69				4	5
	6	S	17.40	10.66				4	5
		D	17.30	19.66				4	5
	8	S	16.30	18.44				4	0
		D	16.10	.76				5	10
29.v	1	S	17.60	19.70				4	19
		D	16.85	.63				4	5
	4	S	16.15	.68				4	0
		D	16.10	.67				4	0
	6	S	16.25	.65				4	0
		D	16.05	.64				1	0
	8	S	14.10	12.56				3	5
		D	14.10	18.66				3	0
5.vi	1	S	15.95	19.60					
		D	15.60	.66					
	4	S	15.55	.70					
		D	15.30	.63					
	6	S	15.60	.62					
		D	15.35	.58					
	8	S	14.60	18.35					
		D	14.20	.62					

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1941									
11. vi	1	S	16.85	19.74				4	14
		D	16.45	.69				4	10
	4	S	15.20	.71				2	0
		D	14.80	.67				4	7
	6	S	15.20	.63				4	0
		D	15.00	.71				4	0
	8	S	12.60	18.06				2	0
		D	12.25	.74				2	0
17. vi	1	S	15.25	19.72					
		D	14.55	.68					
	4	S	14.15	.70					
		D	14.15	.71					
	6	S	14.30	.68					
		D	14.10	.69					
	8	S	12.10	18.17					
		D	12.00	.84					
26. vi	1	S	16.90	19.64				0	8
		D	16.30	.71				1	47
	4	S	14.15	.61				0	0
		D	13.95	.64				0	7
	6	S	14.05	.63				0	2
		D	13.95	.62				0	0
	8	S	12.15	18.32				0	2
		D	12.10	.70				0	5
30. vi	1	S	16.30	19.71	5.64	100			
		D	15.15	.72	.58	97			
	4	S	14.20	.67	.55	95			
		D	13.30	.62	.40	90			
	6	S	14.30	.67	.59	95			
		D	13.65	.63	.32	90			
	8	S	12.45	18.66	.41	88			
		D	12.40	.74	.44	88			

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1941									
7. vii	1	S	15.90	19.67	5.33	93		6	
		D	15.60	.76	.37	94		6	
	4	S	14.30	.75	.57	95		4	
		D	14.00	.75	.40	92		5	
	6	S	14.45		.50			3	
		D	13.80	.22	.67	96		5	
	8	S	12.50	18.17	.80	96		5	
		D	12.30	.78	.43	88		5	
14. vii	1	S	17.35	19.69	5.33	95		8	5
		D	16.00	.61	.47	96		8	2
	4	S	15.10	.64	.56	96		7	0
		D	14.20	.68	.32	91		7	0
	6	S	14.70	.64	.80	100		7	0
		D	14.25	.65	.02	86		8	0
	8	S	12.75	18.63	.20	85		6	0
		D	12.70	.76	6.35	104		6	0
21. vii	1	S	17.00	19.71	5.30	95		8	0
		D	16.35	.69	.44	96		7	0
	4	S	14.55	.63	.70	97		7	14
		D	14.40	.65	.32	91		10	0
	6	S	14.45	.53	.59	95		7	0
		D	14.40	.62	.28	90		7	0
	8	S	13.40	18.20	6.05	100		7	0
		D	13.40	.90	5.87	97		7	0
28. vii	1	S	17.70	19.71	5.31	95		8	8
		D	17.00	.71	.31	94		11	15
	4	S	14.55	.72	.60	96		7	8
		D	13.60	.67	.38	90		7	2
	6	S	14.50	.70	.66	96		3	0
		D	14.00	.68	.55	94		3	0
	8	S	12.10	18.85	.69	92		3	2
		D	11.90	.96	.87	94		3	5

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1941									
4. viii	1	S	15.80	19.75	5.65	98		6	
		D	15.30	.77	.69	98		7	
	4	S	14.80	.78	.86	100		6	
		D	14.55	.80	.75	98		8	
	6	S	14.70	.78	.85	100		7	
		D	14.50	.78	.71	98		6	
	8	S	12.40	18.02	6.02	96		5	
		D	12.40	.76	.01	97		6	
14. viii	1	S	15.40	19.68	5.83	101			
		D	13.30	.77	.74	96			
	4	S	13.25	.81	.79	96			
		D	13.10	.78	.65	95			
	6	S	13.60	.80	.71	96			
		D	13.30	.79	.68	95			
	8	S	11.00	18.96	6.07	96			
		D	10.90	19.23	5.80	92			
18. viii	1	S	14.60	19.74	5.81	99			
		D	13.90	.75	.64	95			
	4	S	13.20	.80	.74	96			
		D	13.10	.82	.77	95			
	6	S	13.40	.79	.66	95			
		D	13.20	.79	.65	94			
	8	S	12.30	18.67	6.00	97			
		D	12.35	19.02	.06	98			
27. viii	1	S	17.90	19.72	5.62	102		7	0
		D	16.25	.63	.70	100		6	2
	4	S	14.10	.39	.83	98		6	10
		D	13.30	.72	4.71	79		8	18
	6	S	13.75	18.85	5.78	96		6	2
		D	13.40	19.71	.08	85		7	10
	8	S	13.70	17.58	6.03	98		5	2
		D	13.45	.74	5.40	88		6	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1941									
1. ix	1	S	15.60	19.53	5.80	101		3	
		D	15.45	.53	.71	100		3	
	4	S	15.55	.33	.97	100		4	
		D	13.50	.76	3.91	66		7	
	6	S	15.10	18.78	5.86	100		3	
		D	13.75	19.63	4.95	84		6	
	8	S	15.90	10.92	6.09	95		3	
		D	15.80	17.92	.06	96		3	
8. ix	1	S	16.60	19.68	5.48	96		3	25
		D	16.40	.69	.49	96		6	23
	4	S	15.65	.54	.87	102		4	0
		D	15.25	.57	.57	96		3	0
	6	S	15.90	.45	.78	100		3	0
		D	15.20	.56	.61	97		3	0
	8	S	17.20	17.60	.91	103		3	0
		D	16.60	.77	.94	102		3	0
15. ix	1	S	16.85	19.66	5.62	100		3	0
		D	16.60	.66	.33	94		4	0
	4	S	16.00	.55	.82	102		6	0
		D	15.35	.55	.51	95		3	0
	6	S	16.40	.46	.60	98		3	0
		D	15.30	.55	.58	96		4	0
	8	S	17.80	17.76	6.00	105		3	0
		D	17.35	18.66	5.85	104		2	0
22. ix	1	S	17.30	19.64	5.35	95		1	8
		D	17.20	.67	.35	95		3	7
	4	S	17.60	18.89	.70	101		2	5
		D	15.65	19.48	4.82	84		5	0
	6	S	17.20	18.24	5.70	100		1	0
		D	15.40	19.50	4.34	75		6	8
	8	S	18.05	12.25	5.20	87		2	17
		D	18.00	16.47	.18	91		1	2

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1941									
29.ix	1	S	15.50	19.66	4.80	84			
		D	14.20	.69	.43	75			
	4	S	17.60	.52	5.47	98			
		D	17.10	.61	.18	92			
	6	S	17.30	.14	.15	92			
		D	16.35	.63	4.25	74			
	8	S	19.00	16.65	5.31	94			
		D	18.75	18.24	.05	93			
13.x	1	S	16.90	19.54	5.54	98			
		D	16.85	.57	.58	99			
	4	S	17.25	.25	.60	100			
		D	16.00	.28	3.37	59			
	6	S	17.40	.11	5.81	104			
		D	16.90	.27	.55	98			
	8	S	18.30	16.03	.47	96			
		D	18.70	18.25	.18	93			
20.x	1	S	17.10	19.57	5.06	91			
		D	16.15	.61	4.92	87			
	4	S	19.20	.30	5.47	100			
		D	16.70	.40	3.24	58			
	6	S	17.60	.20	4.72	85			
		D	17.60	.39	.72	85			
	8	S	22.40	16.33	5.43	102			
		D	21.80	17.70	.49	101			
27.x	1	S	16.30	19.64	5.09	90		5	17
		D	16.00	.64	.05	89		10	22
	4	S	18.40	.53	.17	94		2	2
		D	17.95	.44	.06	92		3	5
	6	S	18.40	.50	.15	94		3	0
		D	17.80	.53	4.61	83		7	0
	8	S	20.60	17.91	5.65	105		1	0
		D	19.25	18.32	4.77	87		2	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1941									
3. xi	1	S	18.90	19.64	5.33	98		4	0
		D	17.95	.67	.30	95		5	5
	4	S	19.80	.58	.16	96		4	0
		D	17.90	.56	4.00	72		7	0
	6	S	20.50	.47	5.17	105		4	0
		D	18.05	.54	4.32	78		6	0
	8	S	23.10	17.82	5.28	101		2	0
		D	22.40	18.33	.10	98		2	0
10. xi	1	S	16.85	19.65	5.73	102		5	
		D	16.70	.65	.73	102		3	
	4	S	18.80	.70	.08	93		3	
		D	18.20	.63	4.30	79		5	
	6	S	19.70	.53	5.20	96		2	
		D	18.35	.60	4.78	87		5	
	8	S	21.45	18.44	5.15	97		0	
		D	20.95	.57	.22	98		1	
17. xi	1	S	19.20	19.64	5.57	103		5	0
		D	19.10	.64	.67	105		3	0
	4	S	20.55	.61	.20	98		3	0
		D	18.75	.59	4.10	75		5	0
	6	S	21.20	.56	5.34	101		2	0
		D	18.55	.62	3.80	70		5	2
	8	S	25.10	17.90	5.09	102		0	0
		D	23.60	18.57	4.89	96		1	0
24. xi	1	S	20.20	19.64	5.28	98			
		D	17.95	.63	4.87	88			
	4	S	21.30	.65	.94	95			
		D	19.80	.63	.30	80			
	6	S	22.05	.59	5.00	97			
		D	20.00	.58	4.60	86			
	8	S	23.70	18.63	.97	98			
		D	22.95	19.02	.63	90			

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1941									
1. xii	1	S	20.40	19.63	5.18	87		0	2
		D	19.75	.61	.33	98		1	2
	4	S	22.50	.68	4.99	97		1	0
		D	20.40	.60	.22	85		4	0
	6	S	23.40	.62	.95	98		1	0
		D	20.50	.60	3.84	73		4	2
	8	S	25.95	18.00	4.52	92		1	0
		D	25.50	.38	.46	90		1	0
8. xii	1	S	19.35	19.63	5.30	97			
		D	19.35	.65	4.00	99			
	4	S	21.15	.72	.78	92			
		D	20.50	.69	.55	86			
	6	S	21.00	.69	.87	93			
		D	20.20	.69	.25	80			
	8	S	23.00	18.77	.98	97			
		D	22.15	19.28	.90	95			
15. xii	1	S	19.70	19.67	5.15	96		6	
		D	19.80.	.67	.15	96		5	
	4	S	22.60	.81	4.97	97		4	
		D	20.60	.74	3.22	61		11	
	6	S	22.20	.77	4.99	97		1	
		D	21.85	.77	.84	94		3	
	8	S	26.10	18.84	.90	101		1	
		D	26.10	.84	.90	101		1	
22. xii	1	S	19.50	19.67	5.45	97			
		D	18.70	.60	.40	98			
	4	S	21.80	.76	4.75	92			
		D	20.80	.77	3.86	74			
	6	S	22.50	.80	4.70	92			
		D	20.80	.72	.61	87			
	8	S	23.60	.52	.12	82			
		D	23.10	.58	3.68	72			

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1941									
29. xii	1	S	21.70	19.74	5.00	96		1	2
		D	21.05	.70	.10	97		1	2
	4	S	22.85	.78	.00	98		1	0
		D	21.10	.76	3.08	59		5	5
	6	S	23.60	.85	5.12	102		1	2
		D	21.25	.71	3.52	68		2	0
	8	S	25.90	.59	4.92	112		1	0
		D	25.50	.67	.56	94		1	0
1942									
5.i	1	S	21.90	19.80					
		D	21.25	.77					
	4	S	21.40	.83					
		D	21.35	.78					
	6	S	24.00	.89					
		D	21.90	.80					
	8	S	26.60	.82					
		D	26.35	.86					
12.i	1	S	18.90	19.84				6	2
		D	18.80	.68				3	2
	4	S	24.20	.93				3	2
		D	21.90	.81				13	14
	6	S	24.35	.92				3	0
		D	22.20	.81				8	5
	8	S	26.55	.83				0	0
		D	25.30	.87				0	0
19.i	1	S	21.00	19.73	4.90	94		0	8
		D	21.05	.73	.90	94		3	10
	4	S	22.35	.82	.58	90		3	7
		D	21.95	.86	.13	80		6	2
	6	S	23.15	.85	.47	89		3	2
		D	22.60	.84	.50	88		6	5
	8	S	23.35	20.06	.23	85		0	7
		D	23.30	.06	.22	84		3	5

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1942									
28. i	1	S	19.15	19.73	4.70	87		3	0
		D	19.15	.65	5.21	96		3	5
	4	S	22.65	.90	4.78	81		4	0
		D	21.30	.84	3.97	76		8	0
	6	S	22.80	.90	4.83	93		3	0
		D	21.65	.89	3.80	73		8	0
	8	S	24.70	.87	4.53	92		0	0
		D	23.80	20.00	.26	85		1	0
2. ii	1	S	19.40	19.70	5.09	94			
		D	19.40	.70	.08	94			
	4	S	20.60	.88	4.47	85			
		D	20.80	.83	.03	76			
	6	S	22.00	.97	.61	90			
		D	21.10	.86	.11	79			
9. ii	1	S	22.10	19.75	4.79	93		3	
		D	19.05	.73	.50	83		7	
	4	S	22.40	.92	.85	94		3	
		D	20.80	.85	3.86	74		7	
	6	S	23.00	.97	4.50	89		3	
		D	21.10	.88	.09	78		6	
	8	S	24.60	20.06	.62	94		0	
		D	24.40	.06	.44	90		1	
18. ii	1	S	20.95	19.64	5.17	98			
		D	19.65	.66	.33	98			
	4	S	22.85	.81	4.78	94			
		D	20.40	.74	3.50	65			
	6	S	23.00	.83	4.82	94			
		D	20.80	.76	3.61	69			
	8	S	24.60	.60	4.33	87			
		D	24.00	.69	.43	114			

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1942									
23.11	1	S	20.40	19.66	5.05	100		0	5
		D	19.15	.65	4.96	92		3	8
	4	S	22.70	.81	.75	94		2	5
		D	20.60	.76	2.40	45		18	30
	6	S	23.15	.81	4.54	90		2	0
		D	21.45	.80	3.58	69		8	5
	8	S	25.50	.84	4.93	102		1	2
		D	25.00	.85	.82	99		0	2
2.111	1	S	21.05	19.67	5.02	96			
		D	20.55	.65	.12	96			
	4	S	23.60	.83	4.71	94			
		D	21.35	.73	2.55	49			
	6	S	24.20	.81	4.91	98			
		D	21.80	.76	3.13	61			
	8	S	26.00	.98	4.59	95			
		D	24.90	20.06	.43	91			
11.111	1	S	21.65	19.80	4.47	86		0	5
		D	21.00	.75	.59	88		3	2
	4	S	22.30	.81	3.17	62		3	2
		D	21.30	.76	4.31	83		9	2
	6	S	22.90	.83	.26	84		0	5
		D	21.65	.79	3.71	72		6	2
	8	S	23.85	20.19	.98	81		2	26
		D	23.50	.17	.97	80		0	2
16.111	1	S	21.20	19.78	4.84	84			
		D	21.05	.75	.97	93			
	4	S	21.80	.88	.81	93			
		D	21.10	.84	.33	82			
	6	S	22.15	.88	.59	89			
		D	21.40	.85	.10	78			
	8	S	22.10	20.29	.70	92			
		D	21.80	.29	.55	88			

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1942									
23.iii	1	S	20.25	19.73	4.92	93		6	10
		D	20.20	.71	.93	96		3	10
	4	S	20.00	18.98	.79	89		5	8
		D	19.30	19.61	.25	79		7	8
	6	S	20.15	.43	5.00	96		4	5
		D	19.75	.66	4.39	82		8	5
	8	S	20.85	11.04	5.31	100		0	12
		D	20.10	18.65	.54	104		0	2
30.iii	1	S	20.55	13.54	4.73	84		3	117
		D	20.70	19.56	.86	92		0	18
	4	S	20.30	13.93	.46	79		5	57
		D	19.60	19.62	3.09	57		9	24
	6	S	20.30	11.55	4.55	78		33	83
		D	19.95	19.55	3.54	66		30	14
	8	S	20.20	0.46	4.99	76		6	240
		D	19.95	.63	.05	62		6	240
6.iv	1	S	19.10	18.91	5.04	92		0	10
		D	19.90	19.55	4.94	92		3	8
	4	S	19.15	18.65	.94	90		0	8
		D	19.65	19.57	1.96	36		1	50
	6	S	18.95	17.00	5.48	98		2	18
		D	19.95	19.35	3.45	64		16	25
	8	S	19.20	15.35	5.08	89		12	50
		D	19.55	.30	4.87	87		2	38
13.iv	1	S	19.90	19.47	4.81	89		0	8
		D	19.65	.69	.81	90		1	14
	4	S	21.05	18.98	5.05	95		0	5
		D	19.70	19.60	.09	95		22	62
	6	S	21.15	18.75	4.99	92		0	5
		D	19.95	19.41	2.25	42		13	37
	8	S	23.20	13.38	5.00	92		1	32
		D	22.60	16.85	4.75	90		0	10

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1942									
20. iv	1	S	19.05	19.61	5.23	96		0	5
		D	19.20	.75	.20	96		1	8
	4	S	19.55	.37	4.83	89		0	2
		D	19.10	.51	.60	85		0	5
	6	S	19.95	.06	.73	88		0	2
		D	19.25	.43	.60	85		2	5
	8	S	19.70	17.53	5.00	91		0	2
		D	19.60	.95	4.70	86		0	0
27. iv	1	S	20.25	19.36	5.00	93			
		D	20.05	.63	.38	109			
	4	S	20.45	.09	4.95	93			
		D	19.25	.47	2.10	39			
	6	S	20.60	18.69	4.77	88			
		D	19.35	19.37	3.58	66			
	8	S	21.70	11.09	4.72	83			
		D	21.65	17.75	3.74	70			
11. v	1	S	18.00	19.64	5.10	93		0	
		D	18.20	.65	.18	95		0	
	4	S	17.75	.50	4.98	90		0	
		D	18.15	.54	.96	90		0	
	6	S	18.15	.36	.85	88		1	
		D	17.65	.51	.90	88		0	
	8	S	19.30	17.86	.42	80		0	
		D	19.10	18.03	5.00	91		0	
25. v	1	S	17.40	19.64	5.61	91		1	
		D	17.45	.67	.08	91		3	
	4	S	17.15	.55	.14	92		0	
		D	17.20	.61	4.50	81		5	
	6	S	17.10	.43	.96	88		1	
		D	17.10	.57	.96	89		3	
	8	S	17.80	17.69	.69	82		0	
		D	17.45	18.60	.68	83		2	

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1942									
16. vi	1	S	16.50	19.23	5.34	94		3	22
		D	17.50	.67	.67	102		5	38
	4	S	16.50	.09	.70	99		2	0
		D	16.60	.58	9.34	164		7	27
	6	S	15.80	.26	5.55	97		0	2
		D	16.50	.27	.70	84		5	0
	8	S	16.10	5.14	.64	86		0	48
		D	16.50	17.30	.45	94		1	7
23. vi	1	S	15.50	19.25	5.29	91		3	22
		D	15.50	.35	6.17	106		3	48
	4	S	16.20	.02	5.38	94		0	2
		D	16.00	.41	8.27	144		9	37
	6	S	15.20	18.59	5.06	86		2	2
		D	16.00	19.25	8.85	154		9	24
	8	S	15.20	10.65	5.53	86		0	24
		D	15.50	17.69	.32	90		3	7
6. vii	1	S	15.70	19.63				0	34
		D	13.70	.52				0	27
	4	S	14.20	.38				0	7
		D	14.00	.39				1	8
	6	S	14.00	.15				0	7
		D	14.40	.35				2	12
	8	S	14.00	16.50				1	23
		D	13.50	18.28				0	10
3. viii	1	S	16.00	19.65	5.43	95		0	2
		D	15.40	.52	6.73	116		0	0
	4	S	14.00	.30	5.76	97		0	2
		D	14.00	.40	9.75	164		1	0
	6	S	13.90	.25	5.80	97		0	2
		D	13.90	.35	9.94	166		1	8
	8	S	13.60	15.06	5.98	95		0	8
		D	13.60	17.86	6.12	102		0	2

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1942									
17. viii	1	S	16.70	19.66	5.28	94		2	25
		D	16.00	.72	6.31	114		0	29
	4	S	14.50	.45	5.90	100		0	7
		D	14.10	.52	10.12	171		0	11
	6	S	14.00	.17	5.18	87		0	11
		D	14.00	.48	11.13	187		1	7
	8	S	14.10	17.18	5.99	98		0	7
		D	14.00	18.21	.99	99		0	17
31. viii	1	S	15.80	19.70	5.32	93		6	20
		D	15.60	.55	7.40	128		3	11
	4	S	15.40	.56	5.71	98		0	11
		D	15.30	.61	8.52	147		5	11
	6	S	15.20	.56	5.72	99		9	28
		D	15.10	.56	10.32	177		3	0
	8	S	15.00	18.50	5.51	94		0	0
		D	14.50	.75	.83	98		1	23
14. ix	1	S	15.60	19.63	4.90	85		9	56
		D	14.75	.63	.90	84		10	56
	4	S	15.80	.61	5.60	98		2	0
		D	15.10	.72	.24	91		3	0
	6	S	15.75	.59	.38	94		1	0
		D	15.05	.62	.13	87		3	0
	8	S	15.80	18.67	.35	92		1	0
		D	15.70	.78	.37	93		1	0
28. ix	1	S	16.50	19.72	5.58	99		3	6
		D	15.90	.69	7.14	125		4	17
	4	S	17.10	.72	5.23	94		0	3
		D	15.20	.72	10.12	175		0	3
	6	S	17.00	.68	5.60	100		0	0
		D	15.90	.68	9.05	158		0	0
	8	S	17.40	18.23	5.30	93		0	6
		D		19.23	.33			0	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1942									
20. x	1	S	17.50	17.26	5.31	93			
		D	16.00	19.42	6.90	120			
	4	S	18.00	13.74	5.57	94			
		D	16.50	19.50	8.49	149			
	6	S	19.00	9.87	5.38	89			
		D	16.20	19.35	3.95	69			
	8	S		4.31	5.17				
		D		15.02	4.31				
26. x	1	S	17.30	19.24				0	0
		D	17.30	.46				5	0
	4	S	16.80	18.65				0	0
		D	16.50	19.41				0	1
	6	S	17.30	18.46				0	0
		D	16.80	.97				1	0
	8	S	18.20	15.75				0	0
		D	18.20	.35				0	0
9. xi	1	S	18.50	19.59	5.46	101		1	8
		D	18.10	.56	6.40	116		0	8
	4	S	19.60	18.39	5.32	97		0	0
		D	17.40	19.36	7.85	140		3	0
	6	S	20.70	18.26	5.57	104		0	0
		D	16.90	19.47	9.30	165		8	11
	8	S	20.40	14.36	5.21	93		0	3
		D	19.50	15.52	.25	93		0	0
23. xi	1	S	17.95	19.48	5.54	100		0	8
		D	15.75	.49	.75	100		3	41
	4	S	20.10	18.97	.37	95		0	3
		D	17.00	19.49				19	44
	6	S	20.35	18.40	.05	94		0	0
		D	18.30	19.23	2.64	48		7	14
	8	S	22.00	9.27	4.38	76		0	11
		D	21.40	17.34	3.89	73		0	3

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1942									
7. xii	1	S	19.35	19.62	5.40	97		0	5
		D	19.30	.70	.39	100		0	0
	4	S	20.70	.25	.32	98		0	5
		D	18.30	.43	2.23	41		17	5
	6	S	21.40	18.91	5.05	96		0	5
		D	18.70	19.24	.47	51		7	23
	8	S	23.40	15.35	.77	109		0	1
		D	22.10	17.81	4.65	88		0	1
21. xii	1	S	20.10	19.63	5.33	95		0	5
		D	18.40	.61	.03	92		0	33
	4	S	22.45	.31	.15	103		0	8
		D	19.30	.43	2.76	51		11	8
	6	S	23.30	18.81	5.11	100		0	1
		D	19.80	19.31	3.86	72		0	3
	8	S	26.20	14.36	5.10	92		0	3
		D	24.20	17.47	.05	99		0	3
1943									
4. i	1	S	19.10	19.45	4.58	83		6	17
		D	17.00	.57	6.15	106		8	43
	4	S	22.70	.12	4.88	95		0	6
		D	19.50	.42	7.06	131		41	17
	6	S	22.80	18.69	4.83	94		0	3
		D	20.50	19.35	8.10	152		12	17
	8	S	23.90	11.58	3.94	72		0	
		D	25.40	17.27	4.00	80		0	6
18. i	1	S	22.80	19.71	4.96	97		0	0
		D	18.95	.66	5.03	93		3	0
	4	S	25.75	.65	4.74	98		0	0
		D	21.20	.59	3.45	66		4	0
	6	S	26.45	.54	4.28	89		0	0
		D	21.20	.58	2.74	52		7	0
	8	S	30.30	17.61	4.84	106		0	0
		D	28.60	18.47	.44	95		0	0

Location: **PORT HACKING**

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1943									
15.ii	1	S	22.05	19.74	4.87	94		0	0
		D	20.90	.71	.90	93		0	0
	4	S	23.50	.72	.79	95		0	0
		D	22.00	.68	3.75	73		4	0
	6	S	23.55	.70	4.88	97		0	8
		D	22.55	.71	3.33	65		5	0
	8	S	26.10	17.94	4.43	90		0	0
		D	26.00	18.61	.10	84		0	0
2.iii	1	S	22.75	19.79	4.71	92		0	0
		D	20.45	.75	.88	92		0	0
	4	S	24.20	.87	.70	95		0	0
		D	21.95	.82	3.45	67		5	6
	6	S	23.85	.81	.73	75		0	0
		D	22.35	.77				5	0
	8	S	27.00	18.77	4.86	101		0	0
		D	25.60	19.31	.58	94		0	4
15.iii	1	S	22.55	19.78					
		D	22.25	.73					
	4	S	23.75	.77					
		D	22.45	.85					
	6	S	23.80	.79					
		D	22.55	.81					
	8	S	25.45	18.55					
		D	25.60	.83					
5.iv	1	S	21.85	19.59	5.06	98		3	4
		D	21.60	.63	.02	97		4	12
	4	S	21.25	.44	4.94	94		1	8
		D	21.35	.68	3.45	66		11	12
	6	S	21.30	.31	5.06	96		2	4
		D	21.45	.75	3.70	71		8	12
	8	S	21.55	16.10	4.97	92		0	4
		D	21.45	18.17	.52	85		4	4

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1943									
12.iv	1	S	20.60	19.74	4.90	93		8	4
		D	20.40	.72	5.71	109		5	9
	4	S	20.45	.70	4.97	95		5	4
		D	20.25	.70				9	9
	6	S	20.75	.64	.95	94		6	0
		D	20.50	.65				7	9
	8	S	20.80	17.58	5.32	99		3	4
		D	20.65	18.76	4.93	92		7	0
26.iv	1	S	19.50	19.76	5.29	98		4-5	0
		D	17.30	.77	6.03	108		3-5	0
	4	S	17.50	.80	5.33	97		6-3	0
		D	17.15	.80				4-5	0
	6	S	18.25	.76	.10	93		1-3	0
		D	17.60	.79				7-7	0
	8	S	17.10	18.92	6.07	107		8-0	0
		D	16.20	19.02	4.43	77		4-3	0
10.v	1	S	19.50	19.83	5.19	67		0-5	3
		D	18.20	.83	.85	107		0-20	8
	4	S	17.70	.83	.17	93		6-7	8
		D	17.80	.83	6.39	116		1-17	6
	6	S	18.20	.83	5.23	95		0-13	0
		D	17.50	.83	6.36	115		0-13	8
	8	S	16.50	18.98	5.61	98		4-5	0
		D	18.20	19.12	.74	104		7-5	0
31.v	1	S	16.80	16.68	5.56	97		4-4	31
		D	17.65	18.89	6.55	117		3-7	19
	4	S	16.95	15.18	5.71	96		4-5	27
		D	17.55	19.76	8.40	151		4-12	16
	6	S	15.98	13.60	5.51	90		5-4	36
		D	17.45	19.27	9.36	167		2-14	16
	8	S	15.15	12.47	6.45	104		2-5	72
		D	15.95	.97	5.23	85		4-4	36

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1943									
8. vi	1	S	15.35	19.06	5.38	93		3-5	25
		D	15.25	.55	6.20	107		0-9	33
	4	S	15.80	18.01	5.91	101		8-3	16
		D	17.55	19.90	9.90	179		12-13	27
	6	S	15.30	15.98	5.91	98		14-0	31
		D	17.50	19.76	8.67	158		11-13	19
	8	S	15.95	15.13	5.12	85		5-2	25
		D	16.30	16.35	.08	86		5-0	22
22. vi	1	S	15.90	19.51	5.87	102		9-5	27
		D	16.25	.58	.87	103		0-5	25
	4	S	15.50	.18	4.69	81		0-4	14
		D	16.90	.60	6.10	108		14	45
	6	S	15.50	18.76	3.98	68		0-4	16
		D	15.80	19.35	4.96	86		0-8	38
	8	S	14.10	14.09	.91	78		2-0	16
		D	14.50	16.91	5.91	98		3-0	8
5. vii	1	S	15.95	19.64	5.17	90		2-4	31
		D	15.20	.65	.80	100		5-3	31
	4	S	13.55	.11	.90	98		5-0	3
		D	13.60	.28				3-2	11
	6	S	13.45	18.80	.59	95		3-0	14
		D	15.85	19.14	.12	89		4-1	3
	8	S	14.00	17.57	.72	94		1-0	11
		D	13.70	.71	.62	92		0-0	11
19. vii	1	S	15.20	19.70	5.66	98		1-4	11
		D	14.20	.51	6.90	117		4-1	8
	4	S	12.40	.35	5.85	96		0-1	14
		D	12.85	.45	9.08	150		0-8	3
	6	S	12.30	.17	5.81	95		0-4	3
		D	13.90	.44	9.54	152		0-3	6
	8	S	12.10	17.63	5.85	93		0-0	3
		D	11.90	.97	.78	92		0-1	3

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1943									
4. viii	1	S	13.70	19.70	5.67	96		0-3	11
		D	13.35	.67	6.23	105		0-4	11
	4	S	12.10	.55	.00	98		0-5	3
		D	11.75	.56	9.40	153		3-2	8
	6	S	12.10	.48	5.75	94		0-6	6
		D	12.20	.51	9.44	155		0-3	3
	8	S	10.85	16.74	6.09	97		0-5	8
		D	10.75	18.54	5.78	91		0-5	6
19. viii	1	S	14.35	19.69	5.75	97			30
		D	14.45	.66	6.69	114			28
	4	S	13.30	.24	5,97	99			18
		D	12.60	.51	.75	95			11
	6	S	12.80	18.94	6.66	109			9
		D	12.60	19.49	5.80	95			6
	8	S	12.35	13.68	6.29	96			6
		D	12.80	17.70	.05	98			4
30. viii	1	S	14.30	19.49	5.89	100		0-8	7
		D	14.60	.62	.90	102		2-7	7
	4	S	14.00	17.27	6.02	99		0-7	7
		D	12.75	19.59	4.39	72		5-9	10
	6	S	13.90	15.30	5.95	95		0-8	20
		D	12.85	19.51	4.99	82		5-9	7
	8	S	13.60	11.03	5.82	88		0-6	56
		D	13.90	14.80	.43	86		0-9	12
13. ix	1	S	14.50	19.43	5.92	100		4-8	0
		D	14.45	.64	.96	102		5-8	4
	4	S	15.05	.11	.86	100		4-8	4
		D	13.20	.57	3.30	55		14-12	26
	6	S	15.15	18.62	5.90	101		4-5	0
		D	13.45	19.37	4.56	76		9-4	9
	8	S	17.05	14.59	5.86	98		2-10	12
		D	16.70	16.77	.58	96		3-9	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1943									
27. ix	1	S	15.25	19.65				6-2	7
		D	15.20	.71				7-1	12
	4	S	15.60	.32				6-4	4
		D	14.35	.49				12-2	9
	6	S	16.15	18.71				3-5	7
		D	14.60	19.43				14-0	7
	8	S	17.75	16.44				3-3	14
		D	17.70	17.97				3-4	4
18. x	1	S	17.25	19.13	5.30	94		2-4	17
		D	15.80	.40	.19	90		0-8	26
	4	S	17.95	18.83				1-4	90
		D	15.45	19.35				8-6	14
	6	S	18.00	18.55				0-6	17
		D	16.20	19.19				7-3	17
	8	S	19.15	16.46				2-7	11
		D	18.55	17.13				0-10	11
1. xi	1	S	17.70	19.56	5.25	94		0-5	4
		D	17.60	.65	4.85	87		1-2	4
	4	S	18.25	.09	5.18	94		0-5	2
		D	16.45	.31	2.53	44		6-14	4
	6	S	18.45	18.94	5.25	95		0-4	0
		D	17.10	19.22	4.94	88		1-7	2
	8	S	19.60	17.30	.30	78		0-0	2
		D	19.55	.58	.65	85		0-5	2
17. xi	1	S	19.10	19.33	5.37	99		0-0	6
		D	17.05	.58	4.89	87		4-2	28
	4	S	19.45	18.95	5.17	95		0-0	3
		D	18.25	19.38	4.00	73		1-6	3
	6	S	19.85	18.97	5.28	98		0-5	0
		D	18.55	19.32	4.74	87		0-5	4
	8	S	21.35	16.14	5.29	90		0-0	9
		D	20.55	.89	4.68	86		0-3	4

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1943									
1. xii	1	S	18.70	19.59	5.38	99		0-0	2
		D	18.40	.60	.39	98		0-5	9
	4	S	20.65	18.66	.29	99		0-3	12
		D	18.30	19.33	2.84	52		13-4	12
	6	S	21.05	18.16	5.18	97		0-1	2
		D	18.75	19.22	3.55	65		3-15	7
	8	S	23.15	11.28	5.40	97		0-1	7
		D	21.45	17.03	.03	94		0-0	2
13. xii	1	S	19.85	19.58				0-6	6
		D	19.30	.68	4.99	92		1-0	9
	4	S	20.95	18.74	.91	92		0-5	4
		D	19.20	19.34	3.29	61		11-6	14
	6	S	21.25	18.57	5.15	97		0-4	4
		D	19.50	19.26	4.96	92		5-6	9
	8	S	22.20	16.91	.83	91		0-2	2
		D	21.85	17.28	.49	84		0-3	2
28. xii	1	S	19.95	19.62	5.29	99		0-5	8
		D	19.60	.68	.38	100		0-2	8
	4	S	22.20	.20	4.71	92		0-0	9
		D	20.20	.37	3.08	58		11-11	20
	6	S	22.00	.24	4.73	91		0-2	12
		D	20.50	.24	3.42	67		5-2	8
	8	S	24.65	16.35	4.23	83		0-2	7
		D	23.10	17.87	.35	84		0-5	4
1944									
10. i	1	S	20.35	19.71	5.27	99		2	6
		D	18.30	.71	2.46	45		4-5	6
	4	S	25.80	.42	4.55	94		0-3	4
		D	20.80	.49	3.22	61		0-17	0
	6	S	25.75	.52	4.61	95		0-5	0
		D	21.45	.50	2.76	53		8-6	4
	8	S	29.60	16.01	4.35	92		0-8	2
		D	27.70	17.75	.03	84		0-1	0

Location: **PORT HACKING**

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1944									
18.i	1	S	20.30	19.61	4.05	76		0	8
		D	19.55	.64	6.90	128		0	3
	4	S	22.50	.43	4.77	93		0	0
		D	20.75	.51	3.47	66		9	17
	6	S	22.95	.26	4.80	94		0	0
		D	21.30	.46	3.86	74		5	3
	8	S	27.10	17.78	4.91	101		0	14
		D	24.25	18.33	.80	95		0	6
25.i	1	S	21.60	19.60	4.77	92		1-3	0
		D	21.40	.65	.82	93		26-5	0
	4	S	23.00	.50	.69	92		0-11	0
		D	21.60	.50	2.02	39		32-0	0
	6	S	23.60	.46	4.62	91		0-5	0
		D	22.30	.53	.19	81		4-7	6
	8	S	25.55		3.83			0-4	16
		D	24.50	18.18	.40	67		2-4	46
9.ii	1	S	19.90	19.65	4.77	89		6-1	14
		D	19.50	.73	.41	82		6-3	16
	4	S	23.45	.75	.63	92		5-3	14
		D	21.80	.73	3.61	70		14-0	14
	6	S	23.35	.70	4.46	88		5-2	25
		D	22.25	.72	.30	83		7-0	14
	8	S	25.70	18.64	.21	86		0-3	4
		D	24.65	19.17	3.84	77		1-5	8
21.ii	1	S	21.70	19.60	4.80	92		1-6	35
		D	21.60	.62	.80	92		0-3	40
	4	S	23.15	.67	.43	87		0-11	20
		D	22.40	.70	.43	97		16-4	20
	6	S	23.10	.57	.55	90		0-7	12
		D	22.45	.65	.26	83		2-5	35
	8	S	22.20	18.72	.38	84		0-5	12
		D	24.10	.72	.31	86		0-5	3

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1944									
7.iii	1	S	20.95	19.67	5.13	98		3-4	7
		D	21.15	.63	.13	98		0-2	12
	4	S	23.30	.69	4.61	91		0-10	7
		D	22.20	.70	.56	89		4-5	9
	6	S	23.40	.70	.88	97		0-7	0
		D	22.55	.71	.68	91		3-6	12
	8	S	25.60	18.74	5.01	102		0-7	3
		D	24.50	19.01	4.68	94		0-7	0
28.iii	1	S	20.60	19.74	5.03	95		3-2	12
		D	20.10	.72	.03	94		3-4	12
	4	S	21.30	.76	4.96	95		8-6	2
		D	20.85	.74	.79	91		7-4	3
	6	S	21.60	.82				5-6	2
		D	20.95	.80	.43	84		8-6	3
	8	S	22.40	.22				4-4	2
		D	21.50	.43	.46	85		4-5	2
12.iv	1	S	18.40	19.68	5.49	100		6-3	33
		D	18.75	.74	.41	99		5-0	20
	4	S	19.50	.80	4.90	91		1-8	0
		D	19.20	.73	.75	88		6-1	9
	6	S	19.90	.74	.96	93		2-5	0
		D	19.35	.78	.88	91		9-3	3
	8	S	18.30	.18	.98	90		0-5	0
		D	18.60	.32	.79	87		2-2	0
26.iv	1	S	19.10	19.79	5.46	101		0-2	3
		D	18.25	.81	.49	100		0-3	2
	4	S	17.50	.77	.15	93		0-6	0
		D	16.60	.75	.06	90		1-4	9
	6	S	17.75	.77	.25	93		0-6	3
		D	17.30	.75	.05	89		1-4	0
	8	S	16.45	18.69	.30	92		0-0	9
		D	15.20	19.05	.35	92		0-1	12

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1944									
8. v	1	S	17.40	19.81	5.41	97			9
		D	17.60	.83	.37	97			15
	4	S	16.30	.85	.46	96			3
		D	15.90	.88	4.95	87			3
	6	S	16.40	.82	5.31	94			9
		D	16.20	.82	4.89	86			9
	8	S	15.60	18.90	5.52	95			9
		D	15.15	19.12	.38	92			0
22. v	1	S	17.10	19.71	5.49	98		2-3	
		D	16.85	.70	4.52	80		1-6	
	4	S	16.45	.61	5.39	95		2-31	
		D	15.95	.80	2.73	48		6-38	
	6	S	16.05	.40	5.32	93		0-20	
		D	15.90	.67	4.89	85		2-57	
	8	S	16.15	16.28	.97	84		0-15	
		D	16.05	17.62	.56	78		0-24	
8. vi	1	S	16.70	19.62	5.88	104		1-2	3
		D	16.15	.68	.92	104		1-3	2
	4	S	14.80	.48	.22	89		1-3	2
		D	14.95	.51	.68	97		0-6	0
	6	S	15.05	.40	.69	97		0-5	0
		D	15.15	.54	.69	98		1-7	0
	8	S	14.35	18.04	.74	96		0-4	0
		D	14.25	.14	.70	95		0-2	0
26. vi	1	S	15.15	19.80	5.90	102		0-7	18
		D	14.45	.62	.88	100		2-2	25
	4	S	13.30	.40	.83	97		0-4	13
		D	13.55	.51	.79	97		1-5	9
	6	S	13.80	.37	.84	98		0-5	10
		D	13.60	.43	.84	97		0-8	6
	8	S	12.50	16.52	6.11	97		0-3	11
		D	12.90	18.25	5.75	92		0-4	4

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1944									
12. vii	1	S	15.15	19.47	5.71	98		1-4	14
		D	15.30	.62	.53	96		4-1	23
	4	S	13.95	.22	6.03	101		2-3	10
		D	13.75	.43	4.98	83		2-8	10
	6	S	13.85	18.44	6.04	100		1-1	6
		D	13.75	19.28	5.11	85		6-4	10
	8	S	13.55	16.36	.92	95		0-2	4
		D	13.45	17.05	.81	94		1-2	6
24. vii	1	S	14.40	19.70	6.00	102		2-4	27
		D	14.45	.69	.01	102		3-3	25
	4	S	12.25	.21	.65	107		0-6	5
		D	12.40	.34	.29	103		0-5	5
	6	S	12.25	.00	.48	105		0-3	5
		D	12.65	.31	.41	105		0-5	3
	8	S	12.45	17.66	.55	105		0-1	0
		D	12.10	.84	.25	100		0-5	0
7. viii	1	S	15.60	19.70	5.95	103		0	12
		D	15.05	.70	.99	103		1	13
	4	S	13.25	.37	6.04	101		0	0
		D	13.35	.42	5.78	96		0	0
	6	S	12.60	.23	.95	98		0	0
		D	13.40	.43	.89	98		0	0
	8	S	12.55	17.87	6.24	101		0	0
		D	12.25	18.02	.05	97		0	0
21. viii	1	S	15.10	19.55	5.90	102		2-3	16
		D	15.65	.71	.80	100		4-1	13
	4	S	14.20	18.96	.98	101		0-10	0
		D	13.95	19.35	4.47	75		4-2	0
	6	S	14.25	.04	6.70	103		0-5	0
		D	14.00	.30	5.38	90		2-3	0
	8	S	14.55	17.06	.85	97		0-5	2
		D	14.50	.26	.74	95		0-2	2

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1944									
4. ix	1	S	15.90	19.69	5.74	100		0-9	13
		D	15.65	.68	.50	95		1-8	12
	4	S	15.90	.26	.86	102		0-2	0
		D	14.75	.35	4.88	83		3-3	0
	6	S	15.00	18.93	5.70	99		0-6	0
		D	15.25	19.38	.22	90		1-2	0
	8	S	16.60	16.93				0-3	0
		D	16.70	.93	.83	100		0-4	0
19. ix	1	S	16.60	19.68	5.62	99		1-5	0
		D	16.40	.60	.75	101		1-6	0
	4	S	15.50	.35	.85	101		1-4	0
		D	14.85	.42	.50	94		4-6	0
	6	S	15.65	.21	6.25	108		1-5	0
		D	15.15	.36	5.56	96		2-4	0
	8	S	16.45	16.55	6.10	104		0-6	0
		D	15.75	17.83	5.54	94		0-11	0
4. x	1	S	15.80	19.54	5.63	98		4-5	33
		D	15.55	.58	.45	94		7-6	54
	4	S	17.15	.39	.48	98		2-7	0
		D	16.15	.49	4.87	86		6-5	14
	6	S	17.50	.18	5.63	101		5-1	16
		D	16.30	.45	.05	89		2-7	0
	8	S	18.50	16.53	.46	100		0-6	0
		D	17.50	17.95	.45	96		2-3	0
19. x	1	S	16.45	19.62	5.78	102		2-6	14
		D	16.40	.61	.78	102		4-5	10
	4	S	17.15	.45	.45	97		0-9	0
		D	16.25	.49	.40	95		2-8	0
	6	S	17.60	.50	.33	96		0-6	0
		D	16.50	.52	.20	92		2-10	0
	8	S	19.30	17.70	.25	95		0-2	0
		D	17.10	18.70	.20	92		0-3	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1944									
27. xi	1	S	20.40	19.71	5.52	104		2-1	0
		D	18.25	.68	.86	107		5-0	9
	4	S	20.60	.66	.09	96		2-5	0
		D	19.15	.69	4.21	78		4-5	0
	6	S	21.60	.74	5.05	97		2-3	0
		D	19.55	.70	4.57	85		4-1	10
	8	S	24.25	18.96	5.28	105		0-2	0
		D	23.20	19.08	.19	102		0-5	0
12. xii	1	S	18.85	19.69	4.43	81		0-6	0
		D	18.80	.63	5.42	100		0-7	0
	4	S	21.10	.80	4.80	92		1-5	0
		D	19.05	.73	3.22	60		5-10	0
	6	S	21.45	.78	5.02	97		0-9	0
		D	19.45	.75	3.52	66		2-11	0
	8	S	24.15	.10	4.66	93		0-5	0
		D	24.20	.20	.07	81		0-6	0
1945									
2. i	1	S	19.80	19.66	5.14	96		5-0	5
		D	19.75	.69	.18	96		3-0	5
	4	S	22.25	.83	4.60	89		5-1	0
		D	20.55	.78	3.00	57		7-2	11
	6	S	18.25	.81	4.78	87		5-1	5
		D	16.80	.71	3.94	70		6-5	9
	8	S	24.30	.56	4.25	86		2-3	0
		D	23.75	.85	.24	85		2-7	0
16. i	1	S	19.65	19.62	5.23	97		1-0	0
		D	18.45	.64	4.87	89		0-2	0
	4	S	22.60	.98	.62	91		0-4	0
		D	20.90	.80	3.36	64		12-4	5
	6	S	23.25	.85	4.77	94		0-6	0
		D	21.15	.83	3.50	67		6-5	5
	8	S	24.10	.24	.37	67		0-0	0
		D	23.25	.62	.76	74		0-2	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1945									
26. i	1	S	21. 90	19. 58	5. 10	98		0-5	5
		D	21. 65	.63	.04	97		0-3	0
	4	S	23. 25	.62	.10	101		0-7	0
		D	21. 60	.68	2. 84	55		1-4	0
	6	S	23. 80	.63	4. 92	95		0-2	0
		D	21. 90	.67	3. 00	58		6-24	0
	8	S	25. 20	18. 75	4. 25	86		0-5	0
		D	25. 05	19. 23	3. 78	77		0-5	0
30. i	1	S	20. 25	19. 78	4. 94	93		0-3	7
		D	19. 55	.76	.90	91		0-2	9
	4	S	23. 30	.84	.64	92		0-5	0
		D	23. 05	.82	2. 19	43		13-11	19
	6	S	23. 10	.88	4. 78	95		0-8	0
		D	21. 60	.84	3. 03	58		5-1	0
	8	S	24. 45	.17	.66	73		0-3	0
		D	23. 95	.61	.61	72		0-3	0
13. ii	1	S	25. 85	19. 66	5. 15	106		1-7	23
		D	25. 50	.67	.15	106		0-35	0
	4	S	23. 15	.73	4. 72	93		0-11	0
		D	21. 55	.71	3. 12	60		6-24	5
	6	S	23. 40	.73	4. 72	94		0-6	5
		D	21. 65	.67	.60	88		1-11	5
	8	S	25. 10	18. 88	.62	93		0-6	0
		D	23. 65	19. 49	.63	92		0-11	0
19. iii	1	S	21. 55	19. 70	5. 17	99		2	1
		D	22. 40	.72	.24	102		0-6	15
	4	S	22. 30	.81	.11	97		0-5	0
		D	21. 50	.80	3. 82	73		3-3	1
	6	S	23. 45	.76	4. 95	98		2-6	8
		D	21. 55	.79	3. 88	75		4-0	8
	8	S	24. 25	.47	4. 85	97		0-23	23
		D	23. 80	.53	.75	95		0-10	1

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
3.iv	1	S	20.80	19.55	5.17	98		1-1	5
		D	19.10	.69	.03	96		4-0	9
	4	S	19.45	.80	.09	95		1-1	3
		D	19.05	.86	4.66	86		1-0	5
	6	S	20.00	.86	.88	92		0-2	5
		D	19.45	.83	.86	91			3
	8	S	18.60	.68	5.05	93		1-0	5
		D	18.55	.78	.15	95		0-0	5
16.iv	1	S	21.90	19.45	4.92	95		0-1	3
		D	21.60	.31	.80	92		0-0	3
	4	S	20.35	18.80	5.04	94		0-2	3
		D	19.25	19.76	3.23	60		2-4	3
	6	S	20.45	18.57	5.10	95		0-6	3
		D	19.35	19.66	3.82	71		2-4	9
	8	S	20.50	16.94	4.46	82		0-3	3
		D	20.45	.98	.28	79		0-2	3
1.v	1	S	20.65	18.73	5.25	99		0-1	0
		D	20.75	19.42	4.93	92		0-6	6
	4	S	21.10	18.20	5.19	97		0-40	0
		D	19.60	19.73	1.13	21		40-0	18
	6	S	17.10	17.65	5.34	93		0-3	0
		D	16.05	19.62	2.36	41		13-32	28
	8	S	17.65	15.19	4.22	72		0-2	4
		D	16.30	.43	.13	69		0-0	4
14.v	1	S	19.15	19.49	4.75	87		0-6	4
		D	18.85	.49	5.31	97		0-5	4
	4	S	18.05	.10	.03	91		0-2	4
		D	18.50	.44	2.94	54		13-3	28
	6	S	18.30	18.90	5.13	92		0-20	4
		D	18.35	19.23	4.93	89		2-4	4
	8	S	17.55	17.46	.86	85		0-8	4
		D	17.30	.52	.72	82		0-3	4

Location: **PORT HACKING**

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
25. vi	1	S	16.65	19.25	4.97	88		11-0	90
		D	16.95	.50	.85	86		8-0	40
	4	S	15.75	17.34	5.19	88		9-0	56
		D	17.40	19.13	2.60	46		24-2	153
	6	S	15.90	16.17	4.92	83		5-14	52
		D	17.35	18.82	3.45	61		13-5	66
	8	S	15.65	9.35	5.43	84		2-4	103
		D	16.45	14.80	4.40	73		5-0	66
9. vii	1	S	15.55	19.21	5.83	101		2-4	15
		D	15.65	.18	.75	99		2-3	13
	4	S	14.60	18.81	.69	96		3-2	8
		D	14.75	.85	.85	99		4-2	8
	6	S	15.20	.53	.47	93		3-6	8
		D	15.00	.81	.78	98		5-1	13
	8	S	14.25	14.12	.36	85		2-0	13
		D	14.85	16.87	.78	96		3-2	26
23. vii	1	S	15.25	19.17	5.66	97		0-6	13
		D	16.00	.42	.59	98		2-3	15
	4	S	15.80	18.37	.80	99		0-5	3
		D	14.95	.97	4.32	74		2-3	13
	6	S	14.85	16.98	6.02	96		0-5	6
		D	15.10	18.91	4.66	80		2-6	11
	8	S	14.35	16.13	5.75	94		0-2	6
		D	14.55	.65	.55	91		0-1	3
21. viii	4	S	16.30	19.00	5.88	103		2-6	20
		D	16.60	.15	4.85	85		41-16	30
	6	S	15.80	18.48	5.65	97		13-1	23
		D	15.10	19.06	4.89	84		16-8	39
	8	S	17.50	17.01	6.13	106		8-2	17
		D	17.35	.61	5.42	95		10-1	20

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
11. ix	1	S	16.70	19.54	6.13	113		0-9	12
		D	15.85	.56	5.81	101		2-6	22
	4	S	16.60	.30	6.07	107		0-6	12
		D	14.55	.33	5.80	99		0-7	8
	6	S	17.10	.10	.80	103		0-5	5
		D	14.75	.30	.69	97		2-7	8
	8	S	18.70	15.54	.79	101		0-5	8
		D	17.10	17.98	.49	96		0-8	7
22. ix	1	S	13.00	19.53	5.19	86		12-0	82
		D	14.70	.55	4.91	84		14-0	105
	4	S	15.85	.48	5.45	95		6-1	0
		D	15.55	.48	.21	90		6-3	5
	6	S	15.85	.27	.61	97		4-1	0
		D	15.85	.42	.21	90		9-2	7
	8	S	15.30	18.31	.20	89		4-0	3
		D	16.75	.74	.30	93		4-3	0
1. x	1	S	15.70	19.64	5.80	101		2-3	8
		D	16.50	.67	.61	101		4-1	6
	4	S	15.50	.48	.64	97		0-6	0
		D	15.30	.53	.12	88		3-2	3
	6	S	16.10	.49	.65	98		0-2	0
		D	15.60	.50	.31	92		1-5	0
	8	S	17.00	17.79	.60	101		0-5	3
		D	16.60	18.72	.32	93		1-5	3
20. x	1	S	16.80	19.61	5.80	103		0-4	3
		D	17.20	.58	6.03	108		2-12	3
22. x	4	S	16.75	.60	5.43	96		0-8	3
		D	17.20	.57	4.91	88		1-9	3
	6	S	19.00	.55	5.33	98		0-6	0
		D	18.35	.57	.25	96		1-7	0
	8	S	21.00	18.35	4.91	92		0-11	3
		D	20.10	.63	.80	89		0-10	4

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1945									
30. x	1	S	17.75	19.67	5.62	101		3-2	0
		D	17.70	.69	.59	101		2-1	0
	4	S	18.65	.57	.34	98		0-6	0
		D	17.25	.58	4.31	77		1-11	0
	6	S	18.95	.58	5.32	98		0-13	0
		D	17.60	.57	4.32	78		5-7	0
	8	S	21.45	18.11	.73	89		0-7	0
		D	20.15		.69			0-7	0
8. xi	1	S	18.45	19.58	5.46	100		0-4	18
		D	16.00	.57	.03	91		2-5	57
	4	S	20.45	.70	.02	94		0-7	15
		D	18.80	.65	4.10	75		0-7	18
	6	S	21.70	.68	.91	94		0-3	11
		D	19.00	.61	.36	80		0-5	9
	8	S	23.60	18.94	.51	88		0-4	9
		D	23.40	19.16	.21	82		0-5	3
26. xi	1	S	18.80	19.57	5.68	104		0-11	7
		D	16.20	.57	.70	100		0-12	10
	4	S	22.00	.70	4.20	79		0-12	7
		D	17.60	.60	.40	79		2-16	10
	6	S	22.50	.59	.90	96		0-9	7
		D	18.90	.61	.42	81		0-7	7
	8	S	25.35	18.72	3.05	102		0-3	7
		D	24.00	19.05	4.57	91		0-2	7
17. xii	1	S	20.40	19.63	5.22	98		0-11	9
		D	15.05	.57	4.80	84		0-20	7
	4	S	23.50	.70	.85	98		0-3	7
		D	19.30	.60	1.88	35		1-34	7
	6	S	24.00	.69	4.96	99		0-3	9
		D	20.70	.64	3.96	76		12-8	15
	8	S	27.50	18.84	4.47	94		0-0	9
		D	26.20	19.40	.17	86		0-0	105

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
2.i	1	S	20.40	19.69	5.29	100		3-22	0
		D	19.90	.61	.34	99		8-22	0
	4	S	23.40	.65	4.94	98		3-10	0
		D	21.10	.63	3.05	58		5-17	0
	6	S	22.80	18.87	5.05	98		0-11	0
		D	21.10	19.06	3.26	63		0-10	0
	8	S	19.65	.64	4.58	96		0-8	0
		D	26.00	.62	.09	85		0-9	0
20.i	1	S	23.60	5.26	5.26	105		11-3	0
		D	21.60	19.73	4.67	90		11-6	0
	4	S	23.40	.72	.49	90		11-11	0
		D	21.70	.73	5.11	98		13-7	0
	6	S	18.45	.66	4.48	82		7-0	0
		D	17.65	.68	.25	77		10-6	40
	8	S	27.00	.40	.56	96		5-4	5
		D	26.80	.42	5.22	109		3-8	17
11.ii	1	S	23.00	19.72	4.39	86		0-12	0
		D	20.40	.72	5.33	100		0-29	0
	4	S	23.50	.77	4.98	99		1-9	0
		D	22.55	.75	.67	91		9-11	0
	6	S	24.25	.72	.63	93		3-9	0
		D	22.25	.70	3.25	63		2-21	0
	8	S		.74	4.49			1-9	0
		D	26.00	.64	.39	87		9-0	0
4.iii	1	S	21.30	19.65	5.55	106		2-7	15
		D	20.60	.67	.53	105		1-14	15
13.iii	4	S	22.40	19.77	5.50	108		2-10	22
		D	21.50	.74	4.70	90		2-8	13
	6	S	21.95	.75	.87	86		0-6	14
		D	21.50	.74	.55	88		1-8	13
	8	S	21.50	.50	5.03	96		0-2	10
14.iii	1	S	22.00	.70	4.90	95		0-8	22
		D	21.80	.74	5.03	97		0-7	13

Location: **PORT HACKING**

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
29.iii	4	S	21.90	19.63	4.95	96		2-5	13
		D	21.10	.73	3.49	67		10-6	23
	6	S	21.60	.61	4.94	95		4-5	10
		D	20.90	.73	2.78	52		13-7	20
	8	S	21.00	.58	4.90	93		0-7	8
		D	20.10	.58	.02	75		0-9	15
26.iv	1	S	18.60	18.81	5.26	95		0-3	12
		D	18.50	19.40	.12	93		1-6	12
	4	S	18.50	18.08	.45	98		2-7	2
		D	18.20	19.60	3.92	71		6-7	9
	6	S	18.50	16.67	5.10	90		0-4	0
		D	18.20	19.49	3.76	68		9-11	16
	8	S	18.80	10.93	4.50	75		0-2	16
		D	18.60	16.90	.35	77		0-3	2
13.v	1	S	19.20	19.49	5.14	95		1-5	13
		D	19.20	.51	.15	95		2-7	3
	4	S	18.50	.17	.24	95		2-6	0
		D	18.50	.39	2.88	53		16-12	20
	6	S	18.60	18.97	5.20	94		2-1	8
		D	18.40	19.23	3.92	1		5-11	3
	8	S	19.50	17.30	4.42	80		0-6	1
		D	19.05	.52	.24	76		1-5	8
27.v	1	S	17.40	18.62	5.86	104		1-1	3
		D	18.80	19.53	.58	103		0-1	14
	4	S	17.40	17.92	6.00	105		0-5	6
		D	17.00	19.19	3.99	71		10-0	14
	6	S	17.00	17.23	6.00	104		2-3	3
		D	17.10	19.17	4.43	79		5-0	13
	8	S	17.00	14.14	5.50	92		1-0	13
		D	18.30	16.69	4.95	87		2-0	8

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
11. vi	1	S	16.90	18.85	5.66	100		2-7	4
		D	18.60	19.46	.60	102		2-4	4
	4	S	14.80	17.26	6.35	106		2-0	4
		D	15.50	19.11	4.85	87		2-6	4
	6	S	15.40	17.47	5.58	94		0-3	1
		D	15.30	19.09	4.77	82		6-3	2
	8	S	14.30	12.68	5.56	87		0-1	25
		D	15.00	15.88	4.89	81		2-2	14
25. vi	1	S	14.50	18.92	5.75	97		0-2	12
		D	15.10	19.27	.70	98		0-4	12
	4	S	14.40	18.56	.57	95		4-2	8
		D	15.30	19.08	4.04	69		7-2	8
	6	S	13.90	17.80	5.86	97		2-9	8
		D	15.10	18.90	4.62	78		9-7	8
	8	S	15.30	16.19	5.57	93		2-3	12
		D	15.10	17.04	.01	84		3-0	12
8. vii	1	S	14.00	19.40	5.94	100		1-4	7
		D	14.60	.53	.90	101		0-5	7
	4	S	13.70	18.91	.78	96		0-5	1
		D	13.70	19.14	.70	96		0-6	0
	6	S	13.90	17.25	.84	96		0-4	5
		D	14.00	.88	.45	90		1-0	1
	8	S	14.40	18.40	.34	90		0-6	7
		D	14.40	19.07	.14	87		0-6	7
22. vii	1	S	13.70	19.35	5.78	97		2-3	16
		D	14.40	.50	.84	99		2-3	16
	4	S	13.50	.12	.75	96		1-3	12
		D	13.40	.26	.56	93		1-3	12
	6	S	13.60	18.97	.75	96		1-2	12
		D	13.60	19.20	.90	98		2-3	12
	8	S	13.60	17.63	.48	90		1-3	14
		D	13.60	.91	.37	88		1-4	14

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
5. viii	1	S	14.70	19.67	6.10	105		0	16
		D	14.40	.69	.10	104		1-13	12
	4	S	13.60	.44	5.78	97		0-11	12
		D	12.70	.45	.55	91		0-23	12
	6	S	13.40	.29	.80	97		0-13	12
		D	13.00	.46	.56	92		0-14	12
	8	S	13.30	17.97	.58	92		0-14	12
		D	13.90	18.49	.40	90		2-10	12
9. ix	1	S	15.40	19.72	6.00	104		2-1	0
		D	15.00	.75	5.42	93		5-2	2
	4	S	15.00	.66	.88	101		1-2	0
		D	13.60	.69	.57	94		4-0	4
	6	S	14.40	.63	.70	97		4-0	4
		D	13.70	.67	.46	92		4-0	4
	8	S	16.60	18.36	6.00	105		5-0	2
		D	14.90	.76	5.52	94		0-3	2
16. ix	1	S	14.90	19.73	5.22	90		1-2	2
		D	14.90	.70	.88	101		2-1	2
	4	S	15.00	.77	.73	99		0-3	0
		D	14.60	.69	.41	93		1-3	0
	6	S	15.00	.73	.81	100		1-3	4
		D	14.60	.67	.31	91		4-6	2
	8	S	16.30	18.70	.44	95		1-2	2
		D	15.50	19.11	.46	94		1-2	2
14. x	1	S	16.30	19.68	5.36	94		6-6	22
		D	16.10	.75	.40	95		8-3	22
	4	S	18.40	18.77	4.88	89		1-7	4
		D	15.90	19.75	5.15	90		5-6	6
	6	S	18.10	.76	4.62	84		1	6
		D	16.40	.75	5.44	96		3-11	6
	8	S	21.40	.70	.23	100		0-8	6
		D	20.30	.36	4.68	88		1-10	14

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
11.xi	1	S	18.40	19.66	5.30	97		3-3	14
		D	18.10	.71	.50	100		1-5	14
	4	S	21.10	.31	.66	106		0-4	11
		D	18.90	.66	4.58	84		1-7	9
	6	S	19.30	.61	5.68	105		0-6	9
		D	18.20	.64	4.16	76		5-5	11
	8	S	22.10	13.32	5.68	103		0-1	11
		D	21.10	16.94	4.30	80		0-3	9
2.xii	1	S	18.20	19.46	5.53	100		0-6	4
		D	18.20	.65	.71	109		0-9	4
	4	S	19.70	18.93	.15	95		0-5	1
		D	17.60	19.79	0.86	16		15-9	13
	6	S	19.70	18.29	5.05	93		0-3	1
		D	18.50	19.64	2.12	39		14-4	6
	8	S	20.40	14.91	4.55	77		0-5	4
		D	21.10	16.55	.07	75		0-6	4
17.xii	1	S	19.80	19.53	5.07	93		2-3	15
		D	16.30	.61	.40	95		6-5	22
	4	S	20.70	18.00	.15	95		2-3	10
		D	18.40	.24	2.48	45		13-11	3
	6	S	20.90	19.35	5.04	95		2-4	10
		D	19.20	.40	4.04	75		9-0	15
	8	S	23.20	.43	.95	96		0-1	15
		D	22.80	.50	.94	97		0-0	22
1947									
2.i	1	S	20.20	19.63	5.50	103		0-9	14
		D	18.80	.65	.69	104		0-14	12
	4	S	24.00	.57	.45	109		8-11	14
		D	19.90	.53	3.41	64		1-24	16
	6	S	23.00	.55	5.40	106		2-17	14
		D	21.60	.44	2.53	48		0-22	14
	8	S	27.20	17.95	5.47	113		0-13	16
		D	27.20	18.75	4.18	87		0-24	14

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
14.1	1	S	21.20	19.60	4.91	94		2-6	5
		D	21.00	.62	5.05	96		3-12	10
	4	S	22.40	.57	4.80	93		5-19	10
		D	21.50	.54	0.93	18		37-0	94
	6	S	22.60	.53	4.90	96		20-0	20
		D	21.10	.53	2.88	55		0-17	10
	8	S	24.30	17.82	4.94	97		1-5	10
		D	24.50	18.56	.48	89		0-14	5
10.11	1	S	22.00	19.69	4.85	94		0-9	10
		D	22.40	.67	.85	95		0-7	20
	4	S	24.00	.59	.05	81		7-0	10
		D	22.60	.65	2.57	50		19-3	12
	6	S	25.50	.57	4.57	94		0-7	10
		D	24.20	.67	3.38	68		10-0	10
	8	S	26.40	18.91	.94	79		0-7	10
		D	26.80	.94	.56	74		1-4	7
25.11	1	S	22.50	19.58	5.25	102		6-3	12
		D	21.90	.59	.26	102		7-0	16
	4	S	22.30	.54	4.68	91		6-7	9
		D	21.10	.58	2.96	56		22	88
	6	S	21.80	.54	4.94	95		6-3	17
		D	22.40	.56	3.72	73		10-3	24
	8	S	25.20	17.88	4.26	85		5-2	16
		D	25.50	18.24	.12	83		5-2	16
10.111	1	S	23.20	19.56	5.25	104		0-3	15
		D	23.00	.58	4.87	96		1-7	36
	4	S	24.10	.42	5.02	100		0-5	9
		D	23.20	.50	2.97	59		7-10	44
	6	S	21.60	.39	5.18	99		0-5	5
		D	21.50	.49	3.38	65		7-1	20
	8	S	24.00	16.27	4.24	82		0-3	12
		D	24.80	18.45	0.83	17		20-5	15

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
24. iii	1	S	21.40	19.62	5.16	99		3-2	7
		D	20.80	.61	.13	97		16-42	26
	4	S	22.50	.52	4.89	95		3-13	7
		D	21.60	.52	.61	88		3-9	7
	6	S	23.00	.30	.46	87		0-8	7
		D	21.50	.51	.47	86		5-5	4
	8	S	22.50	13.47	.64	85		1-6	4
		D	22.90	17.07	.69	89		3-0	7
8. iv	1	S	26.10	19.55	5.05	105		3-9	17
		D	19.70	.60	4.86	93		5-6	25
	4	S	21.20	.30	.86	93		1-5	7
		D	20.25	.47	.52	85		3-4	17
	6	S	21.20	.16	5.27	100		0-7	5
		D	20.50	.49	4.52	85		5-2	17
	8	S	23.20	9.41	.62	82		0-5	17
		D	22.70	17.66	.50	86		0-6	5
21. iv	1	S	19.70	19.60	5.25	98		1-12	65
		D	19.60	.58	.37	100		1-15	5
	4	S	19.90	.45	.00	92		1-6	5
		D	19.20	.47	4.73	87		1-9	12
	6	S	20.20	.21	5.20	98		0-8	5
		D	19.40	.45	4.55	84		1-7	5
	8	S	21.60	16.51	5.09	95		0-7	5
		D	20.20	17.79	.20	95		0-3	5
16. v	1	S	19.00	19.46	5.08	94		1-6	22
		D	19.20	.54	.24	97		0-3	25
	4	S	19.10	.30	.23	96		0-3	15
		D	18.90	.34	4.40	81		1-5	17
	6	S	19.30	18.95	.69	86		0-6	15
		D	18.90	19.30	.37	80		5-10	17
	8	S	20.20	11.58	.55	78		0-5	22
		D	20.00	18.27	3.68	68		0-1	15

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1947									
9. vi	1	S	18.50	19.32	5.21	95		1-0	32
		D	18.90	.56	.25	97		1-2	26
	4	S	17.30	17.70	.03	88		0-7	15
		D	17.50	19.12	3.82	68		6-11	34
	6	S	16.20	16.01	5.85	99		0-5	25
		D	17.40	19.10	4.11	73		7-3	37
	8	S	15.60	5.32	5.80	86		0-1	125
		D	17.10	16.32	4.62	79		1-0	34
20. vi	4	S	14.60	18.90	5.44	92		0-3	17
		D	14.60	19.06	.34	91		0-6	10
	6	S	14.70	18.82	6.40	108		0-1	17
		D	15.20	19.02	5.24	90		1-4	23
	8	S	14.30	14.02	.21	83		0-3	32
		D	15.00	16.76	.17	86		0-3	17
23. vi	1	S	15.60	19.38	.22	90		3-3	18
		D	16.10	.53	.57	98		6-1	28
30. vi	1	S	15.50	18.56	5.74	98		1-2	47
		D	14.50	19.53	.85	100		3-13	25
	4	S	14.00	.16	.24	88		3-0	20
		D	14.00	.36	.62	95		1-0	18
	6	S	14.60	.15	.67	96		1-6	18
		D	14.10	.20	.55	93		1-6	18
	8	S	14.50	11.52	6.18	96		0-3	40
		D	14.70	17.68	5.73	96		1-6	28
21. vii	1	S	15.60	19.67	5.44	95		0-5	8
		D	15.10	.61	.23	90		7-0	42
	4	S	14.05	.51	.76	97		0-3	8
		D	13.00	.45	.75	95		1-2	8
	6	S	13.00	.42	.75	95		0-3	8
		D	13.40	.46	.65	94		1-2	3
	8	S	12.00	14.53	.94	91		0-3	30
		D	12.20	18.04	.64	91		0-10	12

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
15. viii	1	S	13.90	19.65	5.91	100		9-0	3
		D	13.70	.63	.85	98		9-0	3
	4	S	13.50	.58	.85	101		9-0	0
		D	13.40	.61	.65	94		8-0	0
	6	S	13.50	.51	.84	98		10-0	0
		D	13.45	.56	.83	98		9-0	0
	8	S	14.60	16.50	.67	93		7-0	5
		D	13.60	18.42	.72	95		9-0	0
9. ix	4	S	14.50	19.59	5.90	101		5-4	0
		D	14.00	.58	.35	90		6-0	0
	6	S	14.50	.54	.92	101		6-4	0
		D	14.10	.57	.36	91		8-3	4
	8	S	15.10	16.94	.75	96		2-13	4
		D	15.60	18.55	.67	97		6-3	7
10. ix	1	S	16.40	19.72	.92	104		9-0	14
		D	15.20	.71	6.07	105		9-9	8
14. x	1	S	16.50	19.69	5.23	92		9-9	
		D	16.30	.70	.71	100		6-0	
	4	S	16.20	.72	.27	93		5-9	
		D	16.50	.72	.07	90		10-0	
	6	S	17.50	.72	.37	97		9-0	
		D	17.60	.71	.43	98		10-4	
	8	S	18.90	18.30	.42	98		6-9	
		D	18.90	.75	.18	95		5-3	
7. xi	1	S	17.50	19.77	5.40	97		4-14	4
		D	17.50	.70	.51	102		18-2	26
	4	S	18.60	.84	.26	97		3-9	0
		D	18.50	.80	4.28	79		3-18	8
	6	S	19.20	.98	5.40	101		4-10	0
		D	18.00	.93	4.83	88		3-11	7
	8	S	21.10	18.10	5.12	96		3-15	0
		D	20.60	19.01	4.97	93		0-15	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
22. xii	1	S	22.00	17.15	5.50	104		9-13	6
		D	19.40	19.24	.93	110		7-12	13
	4	S	23.00	14.20	.46	101		7-16	11
		D	19.50	19.48	1.72	32		35-5	25
	6	S	23.90	11.49	5.80	106		6-22	27
		D	19.20	19.51	2.12	39		25-7	31
	8	S	23.20	2.49	5.00	82		6-16	49
		D	22.00	15.64	4.20	78		10-23	19
1948									
5.1	1	S	21.00	18.68	4.97	94		3-16	0
		D	20.80	19.40	5.13	97		3-12	0
	4	S	22.00	18.38	.08	97		6-6	0
		D	19.00	19.52				69-2	0
	6	S	22.00	16.58	.08	95		5-18	0
		D	19.00	19.31	1.93	35		23-34	21
	8	S	24.00	6.73	4.97	87		3-11	1
		D	22.30	15.64	.30	80		7-19	30
20.1	1	S	21.50	16.69	5.30	99		3-1	0
		D	19.80	19.41	.15	96		5-0	0
	4	S	22.80	14.99	.48	102		0-14	0
		D	19.10	19.46				94-0	0
	6	S	23.30	10.13	.49	98		0-14	0
		D	19.50	19.25	0.47	9		49-0	35
	8	S	23.50	1.39	5.32	87		5-1	68
		D	19.80	14.94	2.78	49		12-0	50
3.11	1	S	23.40	18.99	4.93	97		3-19	12
		D	22.30	19.47	5.15	100		3-14	17
	4	S	23.20	18.94	.03	99		5-12	13
		D	21.30	19.28	4.11	78		11-8	8
	6	S	23.80	18.26	.65	91		3-13	12
		D	20.40	19.24	1.40	26		37-0	13
	8	S	25.20	4.26	5.16	89		2-3	42
		D	24.70	15.96	4.02	78		3-11	11

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
19.ii	1	S	23.00	19.18	4.97	97		11-1	0
		D	18.40	.56	5.43	99		7-8	0
	4	S	25.20	18.82	4.56	93		4-8	6
		D	19.90	19.44				0-0	9
	6	S	25.00	18.76	.63	94		7-8	9
		D	21.30	19.25	2.55	49		4-21	6
	8	S		8.41	4.12	78		19-0	9
		D	25.80	17.75	3.47	70		3-11	7
2.iii	1	S	21.50	19.46	4.68	90		10-5	0
		D	19.70	.68	5.40	101		8-7	0
	4	S	22.50	.45	4.97	97		11-5	0
		D	21.30	.50	.08	78		19-10	0
	6	S	22.80	.18	.81	94		10-6	0
		D	21.70	.49	.70	92		9-6	0
	8	S	25.20	11.67	.75	89		0-11	0
		D	24.40	17.64	.30	85		8-9	33
2.iv	1	S	20.30	19.43	4.83	91		4-8	23
		D	20.00	.78	5.14	96		3-9	12
	4	S	21.00	.50	4.90	93		5-9	7
		D	20.40	.51	.50	85		5-13	26
	6	S	21.20	.30	.90	93		4-11	7
		D	20.55	.49	.68	88		7-7	25
	8	S	22.50	17.62	.50	86		0-12	22
		D	22.05	18.19	.61	88		1	62
19.iv	1	S	18.40	19.48	5.06	92		4-7	0
		D	17.80	.61	4.76	86		6-4	0
	4	S	18.70	.57	5.12	94		5-9	0
		D	18.40	.59	.00	91		7-3	0
	6	S	19.00	.32	4.91	90		5-1	0
		D	18.50	.53	.96	91		8-3	0
	8	S	20.50	13.78	5.05	89		9-1	0
		D	20.20	18.26	4.95	92		4-7	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
11. v	1	S	17.90	18.93	5.25	94		4-5	0
		D	18.20	19.21	.10	92		4-8	0
	4	S	17.80	18.38	.60	99		3-21	0
		D	17.30	19.55	3.56	64		11-10	8
	6	S	17.60	17.37	5.75	101		2-9	0
		D	17.70	19.47	4.07	73		12-7	3
	8	S	17.55	8.17	.45	70		1-13	102
		D	17.90	15.64	.00	69		4-6	18
25. vi	1	S	16.00	18.57	5.92	102		5-7	19
		D	16.50	.69	.78	101		8-7	14
	4	S	14.10	15.35	6.08	98		4-6	22
		D	15.30	19.35	4.19	72		11-8	10
	6	S	14.60	9.95	6.20	95		4-4	100
		D	15.20	19.21	4.48	77		10-10	12
	8	S	12.70	2.71	6.50	88		1-6	84
		D	14.90	10.31	5.36	83		2-8	49
23. vii	1	S	14.80	19.43	5.95	102		5	18
		D	15.10	.48	.90	102		5-11	8
	4	S	13.00	.00	6.22	102		0	0
		D	12.90	.14	5.80	96		0-16	0
	6	S	13.05	18.83	6.45	106		0	0
		D	13.20	19.13	5.75	95		5-14	2
	8	S	13.00	6.51	6.32	90		0-11	56
		D	13.00	17.15	5.87	95		2-9	5
9. viii	1	S	15.05	19.54	6.08	104		0-9	5
		D	15.15	.59	.13	106		0-13	15
	4	S	14.50	.27	.23	106		1-8	0
		D	14.10	.33	5.83	98		0-11	3
	6	S	14.20	.12	6.12	103		2-6	0
		D	14.25	.27	5.99	101		3-9	3
	8	S	14.90	15.08	.83	95		2-7	0
		D	14.40	17.24	.54	92		2-6	5

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
24. viii	4	S	14.25	19.38	5.62	95		7-2	0
		D	14.20	.41	.58	94		2-9	0
	6	S	14.25	.30	.64	95		7-9	0
		D	14.20	.44	.68	96		7-2	0
	8	S	15.30	14.04	9.38	152		1	3
		D	15.20	16.79	5.26	88		3-7	3
14. ix	1	S	15.80	19.67	5.93	103		5-7	0
		D	15.70	.67	.73	100		8-6	0
	4	S	15.80	.54	.77	101		4-7	0
		D	14.70	.84	.41	93		8-7	0
	6	S	15.80	.40	.77	100		5-4	0
		D	14.80	.57	.38	92		10-4	1
	8	S	18.50	16.07	.35	94		2-6	0
		D	17.15	18.27	.43	95		3-7	0
19. x	1	S	16.00	19.56	5.14	90		12-5	2
		D	15.90	.55	4.75	83		15-7	51
	4	S	18.40	.70	5.35	98		6-8	0
		D	17.50	.69	.04	90		8-10	0
	6	S	18.60	.65	.31	97		9-4	0
		D	17.40	.64	.18	93		11-5	0
	8	S	19.80	17.20	.18	94		4-6	0
		D	18.90	18.46	.01	91		4-12	0
2. xi	1	S	16.40	19.59	5.51	97		5-9	5
		D	16.30	.66	.24	92		8-4	7
	4	S	18.00	.77	.18	94		10-0	0
		D	16.80	.74	.10	91		11-4	2
	6	S	18.40	.70	4.02	73		4-8	0
		D	17.10	.69	5.24	94		11-5	5
	8	S	19.50	18.73	4.95	91		1-10	0
		D	19.70	.73	.72	87		4-8	19

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
7. xii	1	S	21.00	19.59	1.55	29		3-11	0
		D	20.90	.63	.43	27		11-0-6	0
	4	S	21.40	.60	.65	32		6-0-0	0
		D	19.20	.60	.77	33		14-4-8	0
	6	S	20.40	.62	.49	28		7-0-2	0
		D	21.00	.58	3.66	69		18-16	26
	8	S	18.40	.52	5.64	103		3-2-3	0
		D	17.25	.51	.56	99		6-0-4	0
22. xii	1	S	21.10	19.67	5.30	101		2-8-6	0
		D	20.00	.59	.36	100		5-56	0
	4	S	22.60	.78	.04	99		3-22	0
		D	19.85	.71	3.38	63		18-26	0
	6	S	21.40	.75	4.98	95		2-4-0	0
		D	21.10	.75	.14	79		14-0-0	0
	8	S	24.20	.59	.94	99		2-0-0	0
		D	24.00	.64	.53	91		11-43	21
1949									
7.1	1	S	20.80	19.68	5.13	97		0-2-4	3
		D	21.00	.63	1.86	35		0-4-4	0
	4	S	21.60	.69	4.77	92		0-20	1
		D	19.50	.65	2.53	47		19-37	3
	6	S	22.30	.74	5.26	102		0-18	3
		D	19.90	.66	3.43	64		3-14	0
	8	S	23.20	.35	4.25	84		0-0-0	0
		D	23.50	.45	3.72	74		0-10	0
28.1	4	S	22.20	18.84	4.87	94	8.18	6-0	2
		D	20.50	19.57	1.26	24	7.92	38-5	29
	6	S	21.40	18.95	5.11	97	8.17	7-0	2
		D	20.60	19.56	1.28	24	7.81	36-1	2
	8	S	24.00	10.29	4.58	83	.97	2-13	8
		D	23.90	14.93	.11	78	.97	3-8	2

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1949									
1.iii	1	S	24.90	19.49	4.84	98		9-6	9
		D	24.60	.65	.62	94		9-8	28
	4	S	20.60	17.91	.80	89		6-9	2
		D	20.40	19.52	0.65	12		91-3	44
	6	S	23.80	6.30	4.40	76		6-15	7
		D	23.95	17.30	3.40	66		21-3	88
	8	S	23.60	16.76	4.74	91		5-12	6
		D	22.80	19.38	2.89	57		21-7	28
24.iii	1	S	20.60	19.30	4.84	91	8.18	8-7-0	5
		D	20.90	.51	5.01	95	.22	9-0-0	4
	4	S	21.70	18.60	4.77	91	.14	8-4-1	2
		D	21.80	19.48	0.12	2	7.69	115-38	0
	6	S	20.90	17.56	4.67	87	8.17	10-44	0
		D	21.60	19.40	0.62	12	7.87	36-10	130
	8	S	22.80	13.57	3.87	71	.92	10-5-0	78
		D	21.50	17.38	2.91	54	.98	11-4-4	63
31.iii	1	S	19.40	19.52	4.98	92	8.19	8-2-4	6
		D	19.15	.57	.92	91	.10	6-9-0	11
	4	S	20.45	18.79	.75	89	.08	6-8-0	0
		D	20.20	19.11	3.38	63	.17	30-19	6
	6	S	20.05	18.17	4.86	90	.15	5-10	3
		D	20.50	19.01	3.27	61	.05	24-2-6	43
	8	S	22.80	13.65	4.37	80	.13	5-4-3	3
		D	21.60	16.27	.56	85	.07	2-7-0	5
23.v	1	S	17.80	17.72	5.23	92	8.12	7-11	10
		D	22.30	19.51	.46	106	.16	8-16	23
	4	S	18.10	16.07	.37	93	.14	6-3-0	8
		D	17.20	19.46	4.55	81	.15	6-7-7	0
	6	S	17.80	15.14	.85	83	.09	6-4-3	20
		D	17.20	19.44	.93	88	.15	6-7-0	0
	8	S	20.75	6.43	5.54	91	7.25	5-18	79
		D	17.50	17.71	4.16	73	8.00	8-108	19

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
9. vi	1	S	15.90	17.80	5.75	98	8.27	12-0-0	18
		D	17.40	19.50	.37	96	.29	9-13	30
	4	S	15.40	16.79	.85	98	.18	6-14	6
		D	17.80	18.37	.57	99	.17	6-6-0	10
	6	S	15.10	15.27	.84	96	7.82	4-18	22
		D	15.50	16.60	.58	93	8.17	6-6-0	20
	8	S	14.40	6.81	3.27	48	7.64	3-5-8	43
		D	16.80	15.18	5.36	90	8.05	6-46	28
27. vi	1	S	16.30	19.26	5.27	92	8.11	9-7	48
		D	16.40	.37	.54	97	.15	8-10	31
	4	S	14.30	16.87	.83	96	.12	9-9	39
		D	14.50	.72	2.90	48	7.63	8-10	76
	6	S	14.50	.13	5.42	89	.98	8-8	35
		D	14.70	.82	.36	89	.95	14-3	43
	8	S	14.20	2.42	6.74	94	.28	1-6	107
		D	14.00	10.90	5.06	77	.92	1-12	62
29. vii	1	S	14.00	18.77	6.07	102	8.24	7-5	8
		D	15.60	19.53	5.65	98	.24	7-4	32
	4	S	14.30	18.41	6.03	101	.22	7-3	4
		D	15.20	.98	5.62	96	.22	2-12	13
	6	S	13.80	.00	6.54	108	.19	1	5
		D	14.60	.98	5.48	93	.18	11-6	5
	8	S	13.00	14.18	6.26	97	.25	7-3	6
		D	13.20	15.61	5.93	94	.20	4-2	6
12. viii	1	S	15.40	19.24	5.90	102	8.31	7-19	23
		D	15.40	.25	6.06	104	.27	6-0	0
	4	S	15.00	18.86	.01	102	.38	10-1	32
		D	15.25	19.05	5.78	99	.31	7-4	59
	6	S	14.80	18.16	.90	99	.22	6-5	23
		D	15.20	19.07	.67	97	.29	7-4	17
	8	S	15.40	9.00	6.47	99	7.96	3-7	35
		D	15.40	16.55	5.57	93	8.16	3-3	31

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
26. ix	1	S	18.40	15.79	5.14	90	8.19	12-4	18
		D	19.00	19.18	.27	97	.18	9-7	0
	4	S	16.70	11.53	.70	92	7.95	9-9	17
		D	16.85	18.56	.03	88	8.10	12-3	4
	6	S	15.35	5.00	.64	83	7.67	20-12	349
		D	16.70	18.91	4.50	79	8.09	13-7	9
	8	S	14.00	0.46	5.63	77	6.78	6-9	104
		D	15.10	7.43	.23	92	7.58	10-0	66
20. x	4	S	20.65	18.80	5.30	99	8.13	3-10	0
		D		19.08	1.02		7.87	51-132	8
	6	S	20.30	18.42	5.03	93	8.14	2-15	8
		D	14.40	19.03	1.45	25	7.90	27-25	78
	8	S	21.00	8.44	5.35	90	8.11	0-9-0	26
		D	22.75	16.13	4.80	90	.09	0-10	26
10. xi	4	S	20.00	19.27	5.28	99	8.13	11-4	0
		D	17.40	.28	4.52	81	.10	12-28	0
	6	S	20.40	18.96	5.26	98	.11	8-7	0
		D	17.50	19.25	4.44	79	.12	8-12	0
	8	S	21.90	15.48	.25	79	7.98	2-10	0
		D	22.00	16.59	5.43	102	8.09	2-13	0
11. xi	1	S	18.40	19.52	4.99	91	.23	7-9	4
		D	17.20	.53	5.07	90	.22	12-5	8
1. xii	1	S	18.70	19.36	5.65	103	8.16	6-16	133
		D	18.30	.42	.98	109	.19	5-10	0
	4	S	20.50	18.59	3.68	69	.15	11-12	3
		D	19.50	.89	2.80	52	.14	8-15	3
	6	S	22.90	17.05	5.35	102	7.93	4-9-7	0
		D	20.50	19.33	4.15	78	8.07	13-6-5	7
	8	S	22.20	2.93			7.39	10-19	38
		D	22.40	17.66	3.00	57	.87	7-27	3

Location: **PORT HACKING**

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
16. xii	1	S	19.40	19.51	5.03	93	8.16	6-8-0	3
		D	19.40	.50	.56	103	.16	6-20	9
	4	S	20.90	.27	.11	97	.11	8-3-8	0
		D	18.90	.35	0.68	12	7.74	45-22	14
	6	S	20.70	.15	5.04	95	8.11	7-17	22
		D	19.30	.33	2.59	48	7.86	24-22	24
	8	S	24.20	13.58	4.89	91	.55	2-5-5	4
		D	22.50	17.84	.34	83	.96	4-14	7
1950									
9.i	1	S	21.30	19.55	5.27	101	8.14	5-9-6	0
		D	20.40	.57	.34	101	.16	10-5-0	0
	4	S	22.90	.46	4.88	96	.05	10-8-2	0
		D	21.20	.24			7.80	43-41	0
	6	S	22.60	.36	.86	95	8.05	7-9	4
		D	21.70	.43	5.05	97	.06	12-13	9
	8	S	25.10	16.86	4.30	85	7.83	1-23	5
		D	24.60	17.28	.22	83	.87	10-41	41
1.ii	1	S	23.90	18.82	5.10	101	8.01	4-8-8	6
		D	23.80	19.41	.40	107	.09	4-16	5
	4	S	24.65	18.65	.11	102	.08	1-18	0
		D	22.10	19.59	2.23	43	7.83	33-7-0	11
	6	S	24.80	18.43	5.05	101	.97	4-8-4	10
		D	22.35	19.51	2.81	55	.79	23-4-5	12
	8	S	27.20	15.17	4.28	86	.79	14-0-0	4
		D	26.80	16.21	3.91	79	.68	7-6-2	5
27.ii	1	S	23.90	18.75	4.76	94		5-3-0	6
		D	18.30	19.58	.68	85		12-18	35
	6	S	25.70	17.74	.77	96		2-74	6
		D	21.40		0.37				
	8	S	25.70	12.04	3.91	74		0-12	11
		D	25.20	16.27	.76	74		2-16	13
1.iii	4	S	23.10	18.79	4.49	88	8.00	9-5-0	
		D	21.60	19.23	0.51	10	7.99	45-17	

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
24. iii	1	S	23.00		5.49			5-7	0
		D	24.50		3.21			6-2	0
	4	S	23.50		2.66			18	4
		D	21.60	18.74	4.12	78		36	0
	6	S	23.60	8.49	.01	71		4-4	4
		D	21.40	13.33	2.65	47		10-3	16
	8	S	21.50	1.05	4.54	71		4-0	25
		D	22.40	12.22	1.35	24		4-5	3
11. iv	1	S	20.70		5.47		7.89	10-4-0	5
		D	20.60	18.96	.40	101	8.14	7-4-1	5
	4	S	21.20	16.51	.43	100	.18	5-16	6
		D	21.00	18.82	1.77	33	7.80	63-3-6	134
	6	S	20.90	14.58	5.54	100	.99	2-19	5
		D	21.00	19.20	1.05	20	.67	43-4-0	258
	8	S	19.20	4.13	5.10	80	.35	5-8-0	66
		D	21.40	12.38	3.56	63	.42	7-8-2	27
24. iv	1	S	19.60		5.28		8.16	6-19	4
		D	20.00		.54		.16	3-12	9
	4	S	19.80	17.10	.57	101	.16	4-15	0
		D	19.70	19.04	1.23	22	7.79	62	83
	6	S	19.50	18.82	5.58	102	8.18	3-18	6
		D	22.00	.89	0.77	15	7.82	31-23	99
	8	S	20.20		3.68		.85	4-8-3	23
		D	20.20	13.91	.43	60	.88	4-8-2	23
29. v	1	S	17.70	18.76	5.46	97	8.18	5-10	21
		D	18.80	19.26	.40	99	.20	3-11	8
	4	S	16.20		.36		.08	5-17	6
		D	16.80	18.58	4.75	83	.10	7-9	6
	6	S	16.50	16.44	5.23	89	.12	6-15	2
		D	18.10	18.50	4.62	83	.08	11-14	6
	8	S	13.80	8.91	.26	71	7.89	7-12	21
		D	13.80	13.05	.78	74	.55	5-64	55

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1950									
20. vi	1	S	18.40	17.57	8.93	159	8.21	10-14	28
		D	18.40	18.89	.79	159	.17	7-0-6	9
	4	S	15.50	6.21	10.63	158	.15	2-20	17
		D	18.10	18.81	9.12	164	.09	14-0-1	50
	6	S	14.10	2.04	.62	133	7.21	3-21	51
		D	18.00	18.75	8.10	145	8.09	15-0-7	61
	8	S	13.30	0.09	.79	118	6.94	3-45	38
		D	13.25	.12	9.24	124	5.78	4-33	29
6. vii	1	S	15.90	18.07	5.63	97	8.16	3-13	13
		D	17.60	19.20	.43	97	.18	5-10	20
	4	S	15.50	17.56	.83	99	.13	4-5-6	0
		D	18.90	18.41	.19	94	.02	8-2-9	20
	6	S	15.50	17.22	.85	98	.15	7-0-6	11
		D	17.70	18.59	3.80	68	.07	16-13	96
	8	S	15.30	15.35	4.89	80	.02	7-10	21
		D	15.50	.81	.64	77	.02	8-93	80
26. vii	1	S	15.20	16.91	5.97	100	8.15	8-16	28
		D	.90	17.44	6.22	106	.18	10-9-0	27
	4	S	15.30	13.50	5.94	96	.18	5-9-6	31
		D	17.60	18.75	1.53	27	7.92	23-1-2	153
	6	S	13.80	10.88	5.71	87	8.16	6-14	37
		D	17.60	18.57	1.19	21	7.79	35-1-2	180
	8	S	12.60	0.12	6.62	88	6.87	4-6-2	55
		D	12.60	1.04	.78	90	5.91	6-4-2	63
7. viii	1	S	15.40	18.88	5.90	101	8.20	6-16	39
		D	16.00	19.25	.67	99	.20	7-10	32
	4	S	14.70	17.29	6.12	102	.19	3-9-5	16
		D	16.90	18.51	3.20	56	.02	17-19	148
	6	S	13.90	15.97	6.29	102	.22	3-8-2	14
		D	17.50	18.28	2.85	50	7.86	21-9-0	140
	8	S	15.00	13.18	4.98	80	8.04	5-4-0	45
		D	16.90	16.40	.52	77	.02	4-5-0	46

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
22. viii	1	S	15.40	19.22	5.66	98	8.13	13-9	48
		D	15.80	.45	4.71	82	.07	25-0	39
	4	S	15.80	18.24	5.79	99	.26	4-11	7
		D	15.60	.87	4.33	75	.14	15-46	4
	6	S	15.50	.02	6.06	103	.15	5-13	0
		D	16.00	.66	4.85	84	.19	6-8	12
	8	S	16.80	2.96	7.13	105	7.36	1-7	50
		D	16.90	16.36	4.71	81	8.17	1-205	23
13. ix	1	S	17.10	16.72	8.72	151	7.90	4-18	22
		D	16.20	19.13	9.01	157	8.21	7-6-4	14
	4	S	17.50	16.12	8.75	151		7-12	21
		D	16.90	17.60	7.46	129	7.94	7-14	17
	6	S	16.40	15.39	.05	118		9-12	34
		D	16.70	19.01	.99	140		11-30	23
	8	S	14.70	0.80	9.04	125		3-25	62
25. ix	1	S	17.60	19.08	6.95	124	8.27	5-12	0
		D	16.40	.57	.63	117		8-13	18
	4	S	18.30	18.13			.24	4-11	0
		D	17.70		5.17		.08	24-12	18
	6	S	18.10	17.36	7.80	138	.20	5-8-0	0
		D	16.70	19.04	4.81	85	.11	31-18	25
	8	S	19.30	14.75	6.68	117	.03	2-8-0	2
		D	18.80	.69	.58	114	7.99	2-10	2
10. x	1	S	17.80	18.80	6.11	109	8.23	4-15	0
		D	17.20	19.45	.02	107	.23	9-19	1
	4	S	18.90	18.70	5.68	103	.13	2-15	1
		D	17.00	19.08	2.04	36	7.81	53-23	38
	6	S	19.40	17.81	5.75	105	8.18	7-11	0
		D	17.40	18.94	4.48	80	.03	17-8-3	13
	8	S	21.60	13.19	5.15	92	.08	5-9-3	6
		D	20.80	17.42	3.73	69	7.61	9-12	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2 ,	O_2 °/o	pH	PO_4-P	NO_3-N
1950									
25. x	1	S	19.60	17.91	5.97	109	8.18	5-13	2
		D	18.50		.63		.18	9-5-1	3
	4	S	20.30	.84	6.48	120	.12	3-11	34
		D	18.60	19.17	3.33	61	.00	21-0-9	43
	6	S	19.80	17.71	5.99	110	.13	1	0
		D	18.40	18.91	4.61	84	.10	13-12	13
	8	S	19.80	15.31	.62	82	7.98	4	6
		D	19.60	16.23	5.47	98	.93	3-14	10
30. x	4	S	18.90	18.45	5.23	95	8.13	4-28	0
		D	18.40	19.06	3.52	64	7.98	29-7-0	80
6. xi	1	S	18.50	19.24	5.59	102	8.20	6-31	0
		D	17.60	.49	.59	100	.17	7-27	0
	4	S	18.70	18.88	.24	95	.15	5-38	1
		D	18.30	19.06	4.88	88	.14	14-37	2
	6	S	18.90	18.61	5.43	99	.15	4-9	7
		D	18.30	.85	4.67	84	.14	12-9	3
	8	S	21.30	17.37	.72	88	.07	1-12	0
		D	20.30	.60	.57	84	.06	4-9	0
13. xi	4	S	21.30	18.88	5.11	97	8.08	3-11	0
		D	19.10	19.26	4.40	81	.09	14-114	2
20. xi	1	S	19.90	19.08	5.23	97	8.12	11-6	2
		D	18.80	.60	.42	100	7.95	10-0	2
	4	S	20.80	18.08	.30	99	.84	7-6	2
		D	19.10	19.20	3.31	61	.71	26-8	30
	6	S	20.80	17.89	5.29	99	.94	11-0	10
		D	18.20	19.20	3.90	71	.85	12-19	6
	8	S	21.40	15.64	.90	72	.72	7-7	16
		D	21.30	17.10	.88	72	.83	3-9	1
27. xi	4	S	19.80	18.28	5.25	97	8.18	13-1-0	0
		D	19.10	19.17	1.42	26	7.77	58-20	72

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1950									
4. xii	1	S	21.40	18.99	4.97	94	8.18	0-24	20
		D	19.90	19.57	5.37	100	.18	5-12	2
	4	S	22.20	18.52	.44	104	.17	3-17	0
		D	19.20	19.16	0.93	17	7.78	40-78	43
	6	S	22.20	18.06	5.08	97	8.13	0-24	0
		D	19.30	19.17	2.82	52	7.94	25-3-8	12
	8	S	24.00	6.64	5.07	88	.89	0-18	2
		D	23.60	15.48	4.51	86	.99	0-15	0
11. xii	4	S	22.00	18.98	4.74	91	8.20	2-16	2
		D	19.30	19.20	1.19	22	7.82	45-70	100
18. xii	1	S	22.20	19.26	5.03	97	8.15	9-6	0
		D	22.10	.64	.50	107	.17	9-6	0
	4	S	23.00	.18	4.94	97	.13	18-8-8	0
		D	21.80	.31	3.67	70	.00	22-13	17
	6	S	22.60	.16	4.97	97	.09	6-7-9	0
		D	22.50	.33	.67	91	.10	11-0-8	0
	8	S	26.10	14.86	.27	84	7.91	3-18	0
		D	25.60	.37	3.96	77	.93	7-15	0

Location: LAKE ILLAWARRA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1942									
1. x	1	S	17.50	28.60	4.30	86		0	3
	2	S	17.50	.52	.67	93		3	0
	3	S	18.00	.36	.87	98		5	0
	4	S	17.20	.38	.69	93		3	0
	5	S	18.80	29.24	3.91	81		7	6
3. xii	1	S	16.00	22.34	4.79	87		0	8
		D	15.50	.14	.80	86		0	3
	2	S	18.50	.33	.64	88		1	0
		D	18.30	.12	.02	76		0	0
	3	S	18.70	.22	2.72	52		0	0
		D	18.70	.09	.72	52		4	8
	4	S	18.30	.04	4.35	82		0	120
		D	17.50	.09	5.00	93		0	3
	5	S	16.90	.44	.52	102		6	0
		D	16.80	.41	.42	100		3	3
1943									
24. xi	1	S	18.80	19.13	5.51	101		0-2	11
	2	S	19.85	15.17	.25	94		0-3	8
	3	S	19.90	14.62	.72	101		0-7	6
	4	S	25.50	.72	.62	109		0-10	15
	5	S	24.00	.98	.53	105		0-7	8
16. xii	1	S	21.50	15.29	4.55	83		0-14	0
	2	S	21.35	14.90	.88	89		0-9	0
	3	S	21.40	.76	5.20	95		0-9	0
	4	S	21.25	15.07	4.91	89		0-5	2
	5	S	18.90	19.49	5.32	98		0-0	0
1944									
20. i	1	S	22.65	16.91	5.35	102		3-29	0
	2	S	23.30	.53	.06	97		3-21	0
	3	S	23.15	.62	4.86	93		7-19	0
	4	S	23.30	17.03	.66	90		0-26	0
	5	S	24.10	.93	5.85	115		0-16	0

Location: LAKE ILLAWARRA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1944									
6.iii	1	S	21.95	19.38	4.84	93		1-28	36
	2	S	22.60	18.89	5.02	97		5-32	12
	3	S	22.60	.90	3.91	76		8-33	9
	4	S	21.70	.74	4.79	91		2-41	36
	5	S	20.90	20.26	.20	80		9-44	0
6.iv	1	S	19.75	19.79				3-6	3
	2	S	18.35	.76	3.37	62		8-12	9
	3	S	18.80	.79	4.72	87		12-8	12
	4	S	18.25	.72	5.13	97		2-16	10
	5	S	19.75	20.08	.86	110		0-5	2
11.v	1	S	13.10	20.43				0-12	3
	2	S	12.90	.25				0-30	9
	3	S	12.80	.26				0-37	2
	4	S	13.70	.07				0-25	3
	5	S	15.20	.67				0-55	9
15.vi	1	S	13.50	18.81	6.51	108		1-8	0
	2	S	14.30	.78	.43	109		0-8	0
	3	S	13.20	.79	.41	105		1-5	0
	4	S	13.40	.66	.05	100		0-5	0
	5	S	15.50	19.37	.23	108		2-5	0
24.vii	1	S	10.00	18.63	6.32	98		0-3	0
	2	S	10.00	.65	.77	105		3-4	3
	3	S	10.00	.66	7.17	111		2-9	0
	4	S	9.80	.71	6.32	98		2-2	0
	5	S	11.30	.84	.43	102		2-1	0
16.viii	1	S	14.60	18.50	5.69	96		0-5	0
	2	S	14.50	.43	6.35	107		0-9	0
	3	S	13.70	.54	.37	105		0-12	0
	4	S	13.70	.50	.08	101		0-13	0
	5	S	16.60	.74	7.55	102		0-2	34

Location: LAKE ILLAWARRA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1944									
12. ix	1	S	14.75	18.58	5.66	96		0-9	0
	2	S	15.15	.44	.72	97		0-30	0
	3	S	15.30	.48	.75	98		0-10	0
	4	S	14.80	.29	.68	96		3-6	0
	5	S	15.00	.60	.82	99		2-7	2
14. xi	1	S	21.50	19.11	5.33	102		1-4	0
	2	S	21.00	20.34	4.61	91		1-8	0
	3	S	20.80	.09	.82	92		5-11	0
	4	S	21.70	.30	.34	84		3-10	0
	5	S	21.45	21.12	6.23	122		2-7	5
11. xii	1	S	23.00	21.00	5.50	110		0-9	0
	2	S	23.00	20.11	4.65	93		2-7	0
	3	S	22.60	21.04	.65	92		0-18	0
	4	S	23.00	.20	.42	89		3-15	0
	5	S	22.00	20.20	6.25	122		2-9	0
1945									
5. i	1	S	21.90	20.40	5.32	104		2-3	0
	2	S	21.70	21.83	4.75	94		1-7	0
	3	S	22.00	.85	.62	91		3-4	0
	4	S	21.60	.91	.55	90		5-8	0
	5	S	21.60	22.12	.50	89		0-5	0
7. ii	1	S	22.80	20.70	7.18	142		0-4	0
	2	S	22.50	22.12	4.71	95		2-12	0
	3	S	22.50	.06	.71	95		1-13	0
	4	S	22.50	.14	.76	96		5-7	0
	5	S	22.50	.74	.07	82		0-4	0
7. iii	1	S	22.20	20.32	5.96	117		0	0
	2	S	21.50	22.40	.20	103		5	0
	3	S	21.40	.37	4.95	98		3	0
	4	S	21.70	.42	5.07	101		2	0
	5	S	20.80	.68	4.70	92		0	0

Location: LAKE ILLAWARRA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
11.iv	1	S	20.20	18.98	6.15	115		0-3	0
	2	S	17.60	20.39	5.78	105		0-5	0
	3	S	18.50	19.97	6.02	110		1-7	0
	4	S	20.60	.45	5.97	112		0-2	0
	5	S	18.80	17.66	.76	104		0-2	0
2.v	1	S	18.30	17.70	5.43	96		0-7	0
	2	S	18.90	.54	.23	94		0-6	0
	3	S	19.70	.33	.23	95		0-6	0
	4	S	18.45	16.96	4.80	85		0-2	0
	5	S	18.60	.33	3.78	67		0-0	0
7.vi	1	S	12.60	15.56	5.37	84		0-40	6
	2	S	14.00	.86	.91	95		0-50	6
	3	S	14.05	.92	.93	96		0-9	6
	4	S	12.60	.97	.83	92		0-6	6
	5	S	15.50	19.28	.88	101		3-7	6
19.vii	1	S	15.50	12.20	2.54	41		0	3
		D	11.40	13.24	6.45	96		6	3
	2	S	11.40	.18	.56	98		0	6
		D	10.90	.33	.31	93		1	6
	3	S	11.40		.62			0	3
		D	10.80		.44			5	6
	4	S	11.40		.34			0	6
		D	11.30		.26			2	6
	5	S	12.80						
		D			.78			2	6
11.viii	1	S	12.50	14.55	4.91	76		0-5	0
	2	S	12.75	.80	6.05	94		0-0	0
	3	S	13.00	.81	.17	97		1-3	0
	4	S	13.00	.87	.05	95		3-0	0
	5	S	15.50	18.69	5.91	101		1-7	19
13.ix	1	S	17.15	16.45	5.76	99		0-6	0
	2	S	17.00	.36	6.11	105		0-6	0
	3	S	17.50	.44	.34	110		0-7	0
	4	S	17.60	.45	.47	112		2-0	0
	5	S	17.85	19.14	.24	112		2-2	0

Location: LAKE ILLAWARRA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1945									
3.x	1	S	14.60	17.70	6.10	102		1-3	3
	2	S	15.40	.38	5.78	97		0-5	0
	3	S	15.80	.54	6.10	104		1-10	0
	4	S	18.00	.34	5.85	103		2-4	0
	5	S	16.20	18.44	7.25	125		1-40	3
31.x	1	S	18.50	18.60	5.95	127		0-11	0
	2	S	19.00	.34	.49	100		8-7	6
	3	S	18.70	.40	.64	102		7-8	9
	4	S	18.70	.47	.46	99		8-8	11
	5	S	19.50	.54	6.27	115		4-11	11
19.xii	1	S	19.20	19.62	5.22	96		5-0	28
	2	S	19.90	.79	.86	110		8-4	28
	3	S	21.60	.77	3.33	64		13-2	18
	4	S	22.60	.78	4.42	87		24-2	28
	5	S	18.90	20.20	5.13	95		5-4	18
1946									
18.i	1	S	26.30	20.94	4.56	96		9-23	0
	2	S	26.50	.97	.36	92		12	3
	3	S	25.50	.81	.43	92		8-12	0
	4	S	26.00	.83	.50	95		5-15	0
	5	S	20.90	19.66	5.20	102		9-4	0
12.ii	1	S	22.55	21.76	5.66	113		0-20	3
	2	S	22.15	.52	4.37	87		1-24	3
	4	S	21.50	19.72	6.75	129		0-9	3
	5	S	20.60	.62	5.35	101		0-20	3
11.iii	1	S	16.00	20.67	6.35	112		1-1	10
	2	S	17.25	21.29	.19	113		2-3	10
	3	S	17.50	22.89	5.52	103		2-9	10
	4	S	16.00	23.88	.40	99		11-22	10
	5	S	19.00	22.56	.20	99		0-9	23

Location: LAKE ILLAWARRA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
6.v	1	S	17.80	21.11	5.43	100		2-13	0
	2	S	17.50	.22	.90	108		0-16	0
	3	S	17.50	.20	.56	102		1-19	0
	4	S	17.80	.21	6.83	126		0-16	0
	5	S	17.50	20.22	.65	122		2-9	0
1950									
29.ix	3a	S	18.80	9.19	5.37	88			
1.xi	3a	S	19.22	10.21	5.82	97		4-37	12
29.xii	3a	S	21.20	13.86	5.34	96		17-2	0

Location: SHOALHAVEN RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
2-	1	S	18.40	19.43	5.49	101		0-4	12
3. xii		D	18.40	.44	.48	100		0-3	12
	1a	S	18.70	.35	.55	106		0-5	18
	2	S	21.50	16.59	.05	95		0-2	12
		D	20.70	17.14	3.36	62		0-20	12
	3	S	23.40	9.52	4.90	89		0-1	35
		D	22.70	10.19	.90	88		0-1	19
	4	S	23.90	0.09	3.97	68		0-10	75
	5	S	23.90	.03	4.35	71		5-1	75
	6	S	23.50	.03	5.75	91		0-14	75
	7	S	22.20	.02	.75	91		0-5	19
	8	S	20.80	.03	.22	81		0-2	37

Location: JERVIS BAY

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
7. vii		S	13.50	19.18	6.21	104		0-22	0
7. viii		S	14.80	19.56	5.95	102		2-14	0
3. ix		S	15.80	19.71	6.17	108		5-8	0
1. x		S	17.00	19.60	6.28	112		2-12	0
6. xi		S	17.70	19.75				78-11	0
1949									
11. i		S	20.00	19.45				1-14	3
8. iii		S	20.40	19.69	5.20	98		12-0	3
5. iv		S	24.00	19.55	5.33	107		6-8	11
3. v		S	20.10	19.63	5.30	99		6-8	25
31. v		S	16.40	19.62	5.54	98		8-5	33
28. vi		S	14.00	19.11	6.08	102		6-7	11
26. vii		S	13.60	19.31	5.58	93		11-4	9
23. viii		S	15.90	19.70	5.42	95		10-4	14
21. ix		S	17.90	19.51				7-13	0
18. x		S	17.60	19.51	6.92	124		2-14	7
15. xi		S	18.90	19.66	5.54	102		6-8	0
13. xii		S	20.40	19.47	5.46	103		0-6	

Location: JERVIS BAY

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
10. i		S	20.80	19.50	5.56	105		12-3	0
15. ii		S	20.00	19.09	5.59	104		2-9	7
30. iii		S	16.20	18.81	5.15	89		6-10	0
31. v		S	17.30	19.15	5.14	91		16-5	31
30. vi		S	15.70	19.07				6-4	22
30. viii		S	17.70	19.33	6.53	117		7-4	2
29. ix		S	15.50	19.29	4.85	84			
1. xi		S	17.37	19.14	5.59	99		9-6	0
29. xii		S	21.00	19.56	6.41	122		11-0	0

Location: CLYDE RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
11-12. xii	1	S	20.55	19.46	5.08	96		2-7	0
		D	20.35	.52	.18	97		0-11	0
	2	S	21.00	.32	4.96	94		0-11	0
		D	21.00	.29	.95	94		1-5	5
	3	S	22.70	18.29	.99	96		2-0	7
		D	22.45	.44	.40	85		0-2	5
	4	S	23.40	16.96	.71	91		0-2	3
		D	23.10	17.74	.51	87		0-7	3
	5	S	23.15	15.92	.63	88		0-5	5
		D	23.15	16.42	.77	91		0-6	5
	6	S	24.10	11.21	5.01	92		0-5	3
	7	S	25.70	4.28	.08	90		0-1	9
	8	S	23.90	0.05	.16	84		0-25	7
1948									
6-7. viii	1	S	13.50	18.60	6.59	109		5-7	2
		D	13.70	.58	.62	110		4-7	0
	2	S	13.20	17.34	.63	107		3-5	0
		D	13.80	.51	.60	108		5-5	0
	3	S	12.50	14.46	.71	104		1	1
		D	12.70	15.26	.64	104		1	3
	4	S	11.95	12.59	.95	104		5-3	3
		D	11.95	.62	7.00	105		1-5	1
	5	S	11.60	10.63	.16	104		3	0
		D	11.70	11.06	.16	105		3	0
	6	S	12.00	10.80	6.98	102		2	0
	7	S	11.10	2.02	7.92	104		1-5	52

Location: MORUYA RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
30. xi	1	S	17.80	19.42	5.60	101		0-0	15
		D	17.70	.46	.60	101		0-5	15
	2	S	22.05	14.35	.48	100		15-2	15
	3	S	22.30	10.20	.18	91		0-0	15
	4	S	23.00	0.77	.26	87		0-1	15
	5	S	23.50	.05	.95	99		0-11	27
	6	S	24.30	.04	6.13	100		0-4	27
	7	S	24.30	.06	5.95	97		0-12	27

Location: TUROSS RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1946									
10.i	1	S	23.10	19.48	4.15	82		0-9	0
		D	23.20	.52	.60	91		0-5	10
	2	S	24.40	.64	.37	88		1-5	0
	3	S	24.10	.43	3.96	79		1-10	0
	4	S	24.30	18.82	4.17	83		0-4	0
	5	S	24.60	17.83	5.13	101		4-2	0
	6	S	26.15	14.27	4.99	98		0-10	0
		D	24.20	16.88	.25	84		0-13	0
	7	S	25.10	18.17	3.83	77		0-11	0
	8	S	29.05	20.89	.95	87		3-11	18
	9	S	24.10	0.05	4.73	77		0-17	8
	10	S	24.30	.03	.80	78		0-16	25
1948									
4-7.vii	1	S	13.80	18.72	6.90	115		10-10	4
		D	13.80	19.50	5.90	99		17-7	8
	2	S	9.50	11.19	6.95	97		4-5	5
		D	12.20	17.47	.20	99		9-7	8
	3	S	11.50	14.06	.79	102		5	11
		D	12.70	16.93	.12	98		16	4
	4	S	9.50	3.31	7.43	95		1-12	68
		D	11.10	14.77	6.32	95		9-9	27
	5	S	9.40	4.68	7.73	100		3	55
		D	11.60	13.93	6.32	95		9	30
	6	S	7.00	1.07	7.98	94		5-11	94
		D	9.90	5.05	.20	95		5-9	63
	7	S	9.60	9.40	.42	102		4	13
	8	S	7.60	7.88	6.80	88		1	9
	9	S	7.70	0.03	8.28	97		0-8	133
	10	S	7.50	.05	.31	98		0-8	90

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1942									
30. xi	1	S	19.40	18.55				1	7
		D	19.40	.73				5	0
	2	S	20.40	17.89	6.01	104		0	7
		D	17.70						
	3	S	21.30	.47	.07	113		0	0
		D	18.00	19.21	5.76	108		5	23
	4	S	23.20	15.33	.71	107		1	0
		D	20.10	17.74	.36	99		0	3
	5a	S	25.50	14.94	.66	110		0	0
		D	22.00	17.55	4.70	89		0	3
1943									
12. x	1	S	15.55	19.31	5.93	101		1-9	9
		D	15.40	.35	.91	67		0-10	9
	2	S	15.50	.00	.65	97		2	6
		D	16.00	.57	3.94	69		9	14
	3	S	15.95	17.25	5.86	100		2-7	14
		D	15.20	19.52	.53	95		8-4	9
	4	S	15.95	17.44	.95	101		0	25
		D	15.50	19.51	.67	98		5	9
	5a	S	16.15	18.55	.55	96		1	9
		D	15.80	19.36	.22	91		7	9
	7	S	16.95	18.00	4.07	71		5-9	23
1945									
29. xi	1	S	17.00	19.59	5.80	103		0-0	23
		D	17.00	.60	.73	102		2-2	23
	2	S	19.70	.68	.33	99		0-6	23
		D	18.30	.66	3.96	72		5-5	23
	3	S	17.30	.65	5.39	96		1	15
		D	18.00	.63	.24	95		4	12
	4	S	19.00	.76	.37	100		2-4	15
		D	17.10	.62	.47	97		6-3	15
	5a	S	21.50	.72	4.85	94		7-6	15
	7	S	22.50	20.37	.26	84		2-4	15

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1945									
28. xii	1	S	21.25	19.49	4.00	76		0-12	4
		D	19.80	.58	.52	84		3-7	8
	2	S	21.20	.51	.20	80		0-15	0
		D	20.40	.54	.31	81		10	8
	4	S	21.60	.42	.62	89		1-8	9
		D	19.95	.56	.80	90		3-4	4
	5a	S	21.00	.46	.49	85		6-3	7
		D	20.60	.54	.26	80		12-3	7
	7	S	23.35	18.97	.18	82		3	2
		D		19.04				0	
1946									
9. i	1	S	20.90	19.68	5.25	100		0-16	0
		D	20.80	.71	.20	98		0-15	0
	2	S	22.10	.77	.13	100		0-15	5
		D	21.30	.77	4.61	88		5-18	0
	3	S	22.20	.78	5.20	101		2-12	0
		D	20.40	.71	4.85	92		1-15	0
	4	S	22.00	.77	5.14	100		0-16	0
		D	20.60	.71	4.92	93		6-12	0
	5a	S	22.30	.91	.66	91		3-21	3
	7	S	24.70	20.71	3.85	79		2-15	3
6. ii	1	S	22.10	19.71	4.57	89		4-8	0
	4	S	22.40	.75	.72	92		5-10	0
		D	22.15	.68	5.09	99		3-17	0
	5a	S	26.20	.99	4.43	93		8-12	0
		D	25.20	.99	.60	94		6-14	0
	7	S	26.50	20.53	.56	96		6-6	0
7. iii	1	S	19.40	19.60	5.35	99		2-6	13
		D	19.20	.59	.40	100		2-9	5
	2	S	22.10	.68	4.90	95		2-4	15
		D	21.20	.68	.28	82		5-10	10
	3	S	21.60	.73	5.04	97		1-4	5
		D	20.40	.64	.00	94		5-6	8
	4	S	22.10	.70	4.88	95		1-7	8
		D	20.20	.64	.97	93		5-3	5
	5a	S	23.20	.73	.65	93		6-4	5
	7	S	24.30	20.16	.80	97		3-5	5

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
11. iv	1	S	18.50	19.74	5.20	95		4-4	4
		D	18.50	.74	.26	96		2-7	5
	2	S	18.10	.78	.08	92		3-3	1
		D	17.60	.81	4.77	86		6-7	5
	3	S	18.60	.74	5.25	96		2-3	5
		D	17.70	.85	4.61	83		9-7	4
	4	S	18.40	.75	5.15	94		5-7	0
		D	18.00	.75	.09	93		5-5	1
	5a	S	17.20	.85	.11	91		5-10	0
	7	S	15.85	20.68	.36	95		4-10	0
2. v	1	S	19.10	19.52	5.34	99		2-4	0
		D	19.20	.54	.34	99		2-4	0
	2	S	17.70	.68	.15	93		4-3	0
		D	16.90	.64	4.24	75		10-23	0
	3	S	18.40	.59	5.24	96		0-7	0
		D	17.80	.58	4.70	86		9-14	0
	4	S	18.00	.60	5.32	96		2-6	0
		D	17.70	.59	.25	94		5-4	0
	5a	S	17.55	.59	.20	94		3-3	0
	7	S	15.95	.41	.00	87		0-39	0
4. vi	1	S	14.40	19.62	6.15	105		5-0	5
		D	14.30	.64	5.97	102		5-0	5
	2	S	13.90	.59	.85	99		5-0	12
		D	14.60	.66	.93	101		3-3	5
	3	S	14.50	.61	.70	97		5-0	5
		D	14.50	.70	.98	102		5-0	5
	4	S	14.00	.62	6.01	102		5-0	4
		D	14.10	.61	5.93	100		4-0	2
	5a	S	12.90	.38	6.08	101		5-2	1
	7	S	10.00	18.90	.10	95		1-0	1

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
2. vii	1	S	13.80	19.53	5.76	97		5	5
		D	13.60	.53	.78	97		2-5	5
	2	S	12.70	.38	.79	95		3-8	4
		D	12.90	.57	4.65	77		6-5	5
	3	S	13.30	.40	6.00	100		4-1	1
		D	13.20	.38	5.59	93		3-5	5
	4	S	12.70	.28	.84	96		1-5	5
		D	12.70	.29	.90	97		2-3	5
	5a	S	12.10	18.99	.63	91		0-6	1
	7	S	11.10	.34	.58	88		1-4	1
30. vii	1	S	11.70	19.53	5.93	96		1-13	18
		D	11.70	.54	.95	96		2-17	14
	2	S	11.40	.59	.93	96		5-5	12
		D	11.30	.58	.90	95		4-16	12
	3	S	11.50	.52	6.03	96		4-14	14
		D	11.30	.58	5.93	95		2-23	12
	4	S	11.10	.59	6.05	97		2-11	10
		D	11.10	.58	5.93	95		3-15	10
	5a	S	10.40	.55	.95	94		6-12	10
	7	S	8.40	18.98	6.15	92		4-9	14
1. x	1	S	14.90	19.58	5.51	95		5-7	6
		D	12.50	.58	6.50	107		5-6	6
	2	S	13.80	.60	5.93	100		3-8	12
		D	14.00	.58	.76	97		5-5	0
	3	S	13.90	.58	6.15	104		4-6	0
		D	13.70	.61	5.95	100		5-7	0
	4	S	14.10	.68	.80	98		6-4	0
		D	13.90	.68	.68	96		5-10	0
	5a	S	14.40	.65	.49	93		5-11	0
	7	S	15.40	.53	.23	91		5-7	0

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
5. xi	1	S	17.10	19.70	5.61	100		3-2	6
		D	15.90	.66	4.97	87		5-1	2
	2	S	15.90	.63	5.77	101		0-4	4
		D	15.70	.65	.77	101		3-1	2
	3	S	16.80	.63	.72	102		3-1	2
		D	15.50	.60	.56	96		5-1	4
	4	S	17.20	.67	.61	100		5-1	2
		D	15.50	.63	.61	97		4-3	4
	5a	S	18.50	.70	4.80	88		6-9	2
	7	S	19.80	.29				8-2	2
3. xii	1	S	18.80	19.19	5.35	98		0-0	1
		D	17.60	.52	3.47	62		5-0	1
	2	S	18.00	.22	5.30	96		0-1	1
		D	18.30	.20	.30	96		0-1	0
	3	S	19.20	.13	.30	98		0-0	0
		D	17.20	.50	.95	104		0-7	1
	4	S	19.30	18.51	4.91	90		0-5	0
		D	19.40	19.41	.95	92		0-4	0
	5a	S	18.90	18.22	.38	79		1-0	0
	7	S	19.80	17.68	3.83	70		3-0	1
1947									
7. i	1	S	20.90	19.64	5.00	95		0-12	13
		D	19.80	.63	.27	98		0-14	13
	2	S	19.20	.65	.44	101		0-7	17
		D	19.30	.64	.45	101		0-12	17
	3	S	20.60	.63	.23	99		3-10	13
		D	19.60	.63	4.85	90		1-14	13
	4	S	21.10	.65	5.07	97		5-14	12
		D	19.90	.65	.13	96		3-12	12
	5	S	21.60	.69	4.97	96		5-14	13
	7	S	22.60	.45	.35	85		8-12	13

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
3.ii	1	S	23.50	19.85	4.60	91		0-14	14
		D	21.30	.78	.40	84		2-12	12
	2	S	19.50	.70	5.03	94		3	12
		D	19.70	.68	.03	94		3-14	12
	3	S	22.40	.70	4.85	95		2-1	12
		D	20.32	.73	.90	92		2-5	14
	4	S	22.80	.71	.66	92		2-5	17
		D	20.80	.73	.55	86		5-5	12
	5	S	23.90	.95	.54	91		4-5	12
	7	S	25.85	20.84	3.84	80		4-5	12
11.iii	1	S	21.30	19.60	5.42	104		0-12	12
		D	19.70	.58	3.34	62		10-16	17
	2	S	20.70	.61	5.24	99		0-7	9
		D	20.75	.61	.27	100		1-8	9
	3	S	21.40	.61	.47	105		1-9	12
		D	19.35	.58	4.04	75		7-13	17
	4	S	21.50	.59	5.30	102		3-31	7
		D	20.40	.58	.21	98		7-12	9
	5	S	22.70	.55	4.76	93		5-14	9
	7	S	23.40	.43	.37	86		5-14	9
9.iv	1	S	19.60	19.66	5.05	94		0-3	7
		D	19.40	.64	4.59	85		5-13	7
	2	S	18.60	.62	5.24	96		3-5	7
		D	18.60	.60	.40	99		0-7	12
	3	S	19.50	.60	.20	97		6-4	5
		D	18.80	.62	.02	93		5-5	15
	4	S	19.40	.64	.02	93		3-0	5
		D	19.30	.66	.05	94		5-7	5
	5	S	19.90	.76	.26	99		5-10	5
	7	S	19.60	20.19	4.76	89		5-7	5

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1947									
5. v	1	S	19.40	19.60	5.07	94		0-5	2
		D	19.70	.60	.07	95		0-17	0
	2	S	18.20	.52	4.85	88		0-8	2
		D	18.15	.55	.54	103		0-0	5
	3	S	18.20	.54	5.24	95		0-5	0
		D	18.55	.50	4.84	89		1-13	2
	4	S	18.65	.40	5.07	93		0-7	2
		D	18.40	.49	.03	92		0-7	2
	5	S	18.20	.16	4.67	84		0-8	2
	7	S	18.50	17.14	3.95	70		1-5	2
5. vi	1	S	16.75	19.61	5.65	100		0-3	17
		D	16.80	.64	.65	100		0-5	15
	2	S	14.60	.46	.35	91		1-4	17
		D	14.90	.54	.20	89		3-4	23
	3	S	14.90	.46	.55	95		1-6	17
		D	15.20	.49	.32	92		3-7	15
	4	S	14.00	.07	.50	92		3-3	23
		D	15.00	.60	.40	93		5-2	17
	5	S	13.80	18.78	.85	98		3-4	23
	7	S	14.05	17.70	4.62	76		1-2	15
8. vii	1	S	12.00	19.63	5.93	96		0-3	10
		D	12.05	.64	.94	97		1-3	8
	2	S	12.00	.61	.80	94		0-3	21
		D	11.65	.73	.75	93		1-13	8
	3	S	12.50	.64	6.10	100		1-5	5
		D	12.10	.64	5.94	97		3-7	8
	4	S	12.00	.69	4.66	76		0-3	8
		D	11.75	.64	5.90	96		3-7	8
	5	S	10.70	.46	.87	92		0-1	8
	7	S	11.80	.17	6.04	97		0-1	3

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
4. viii	1	S	11.80	19.62	6.57	106		1-9	5
		D	11.65	.64	.57	106		0-13	3
	2	S	11.50	.64	.54	105		0-11	0
		D	11.60	.66	.36	103		5-5	0
	3	S	12.00	.56	.38	104		0-9	3
		D	11.30	.63	.38	103		1-14	3
	4	S	11.70	.63	.54	106		1-13	5
		D	11.25	.65	.94	112		13-3	17
	5	S	11.00	.68				0-3	0
	7	S	10.20	.69	.05	95		0-14	12
2. ix	1	S	13.10		6.20				4
		D	13.00	19.60	.20	103		9	11
	2	S	12.50	.53	.13	101		6-12	0
		D	12.30	.56	.10	100		7-9	0
	3	S	12.70	.51	.45	106		8-6	0
		D	12.50	.53	.48	106		6-6	0
	4	S	12.30	.51	.20	101		4-11	0
		D	12.20	.52	.30	103		4-12	0
	5	S	12.00	.28	.05	98		4-10	0
	7	S	12.00	.18	.10	99		4-13	0
7. x	1	S	14.70	19.63	6.05	103		0-18	17
		D	15.60	.60	.00	104		0-8	16
	2	S	15.50	.63	5.86	100		0-19	25
		D	15.25	.63	.59	96		4-14	34
	3	S	14.80	.65	.95	102		3-5	13
		D	14.60	.71	.90	101		7-11	16
	4	S	15.40	.63	.97	103		4-5	10
		D	16.20	.63	.72	100		7-12	17
	5	S	16.00	.69	.60	98		6-8	11
	7	S	17.00	.22	.53	98		6-12	3

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
4. xi	1	S	14.50	19.54	6.00	102		10-10	20
		D	14.60	.54	5.93	101		0-17	4
	2	S	17.40	.54	.60	100		8-6	5
		D	15.85	.59	.10	89		2-16	0
	3	S	16.80	.47	.56	98		0-16	0
		D	15.90	.49	.75	100		8-6	0
	4	S	17.30	.57	.59	100		5-10	7
		D	15.90	.55	.46	95		2-13	0
	5	S	18.60	.38	.25	96		7-6	4
	7	S	19.50	.09	.33	99		0-18	0
3. xii	1	S	16.60	19.35	5.85	103		8-12	0
		D	16.70	.35	.80	102		11-8	5
	2	S	18.60	18.32	.60	101		10-13	9
		D	18.00	19.59	4.48	81		15-14	1
	3	S	18.50	18.96	5.67	103		7-20	4
		D	17.30	19.54	.40	96		11-24	6
	4	S	18.50	18.47	.55	100		9-10	0
		D	18.10	19.53	4.55	83		49-12	16
	5	S	18.90	18.03	5.36	97		7-5	7
	7	S	20.00	.41	.28	99		7-12	14
1948									
12. i	1	S	20.10	18.92	5.28	98		11-5	0
		D	20.10	.94	.28	98		10-12	5
	2	S	19.90	.53	.35	99		15	0
		D	20.40	19.19	4.25	80		18	0
	3	S	20.05	18.81	5.26	98		11	0
		D	20.30	19.20	.13	96		11	0
	4	S	20.25	16.68	.15	94		17	4
		D	20.60	19.21	4.30	81		15	7
	5	S	20.25	4.01	.39	70		9	132
	7	S	20.30	5.64	.42	71		7-15	23

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
2. ii	1	S	21.40	19.49	4.95	95		8-7	4
		D	21.50	.58	.96	95		8-6	10
	2	S	22.10	.38	.95	96		10-7	8
		D	21.20	.33	.56	87		14-3	4
	3	S	21.90	.38	5.25	101		7-6	0
		D	21.00	.58	4.87	93		9-10	2
	4	S	22.20	.33	5.48	106		6-8	5
		D	21.70	.38	.02	96		11-6	5
	5	S	23.30	.06	4.72	93		15-9	6
	7	S	24.50	17.86	3.58	71		15-5	4
2. iii	1	S	20.30	19.56	4.78	90		4-12	0
		D	20.25	.56	5.37	101		5-7	0
	2	S	21.30	.55	.02	96		6-11	0
		D	20.05	.56	.12	96		6-12	0
	3	S	20.50	.55	.20	97		4-14	0
		D	19.70	.56	.12	95		3-9	0
	4	S	20.50	.52	4.92	93		7-9	0
		D	20.20	.53	.92	92		4-12	0
	5	S	20.00	.07	.55	85		14-1	0
	7	S	20.10	.15	.55	85		11-10	0
5. iv	1	S	19.60	19.67	5.32	99		9-7	7
		D	19.50	.74	.18	96		5-10	9
	2	S	19.30	.77	.13	95		10-5	17
		D	19.10	.75	4.89	90		10-7	0
	3	S	19.50	.72	5.28	98		8-6	7
		D	19.20	.78	.01	93		10-8	5
	4	S	20.10	.73	.37	101		13-8	175
		D	19.30	.77	4.89	91		12-7	4
	5	S	20.00	.83	5.28	99		13-6	0
	7	S	20.10	20.10	.63	106		12-11	0

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
6. v	1	S	17.30	15.70	5.23	90		10-1	50
		D	17.60	17.25	.12	90		10-8	24
	2	S	17.50	16.34	.15	89		9-5	32
		D	17.40	19.59	4.37	78		14-13	0
	3	S	17.20	15.03	5.08	86		9-7	48
		D	17.25	19.31	.19	92		10-4	0
	4	S	17.70	14.93	4.97	85		7-11	51
		D	17.40	19.25	5.00	89		9-6	4
	5	S	17.30	2.76	4.48	67		2-2	526
	7	S	17.40	.30	.17	62		2-8	156
1. vi	1	S	13.50	19.50	5.68	95		3-2	9
		D	13.00	.45	.60	93		6-6	10
	2	S	13.50	.46	.75	96		4-2	7
		D	12.90	.50	.43	90		8	10
	3	S	13.90	.48	.74	97		5	5
		D	13.30	.45	.74	103		6-0	37
	4	S	12.70	.42	.71	94		6-0	10
		D	12.60	.35	.71	94		7-0	11
	5	S	11.00	18.89	.47	87		7-0	4
	6	S	10.80	.20	.86	92		5	6
1. vii	1	S	13.00	19.55	5.89	98		9-9	3
		D	13.60	.51	.77	97		11-7	15
	2	S	12.70	.42	6.61	109		10-9	3
		D	12.50	.41	.06	99		7-13	5
	3	S	12.50	.32	.32	104		9-10	2
		D	12.60	.37	.15	101		7-13	8
	4	S	12.40	.25	.14	100		15-9	7
		D	11.90	.23	.16	100		25-17	8
	5	S	12.00	18.94	.05	98		14-1	8
	7	S	11.40	.77	.02	96		11-7	4

Location: WAGONGA INLET

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
4. viii	1	S	12.10	19.56	6.03	98		10-19	20
		D	13.30	.58	.00	100		10-0	13
	2	S	12.00	.71	.32	103		6-12	0
		D	9.80	.66	.29	98		11-0	2
	3	S	12.70	.60	.25	103		10-12	4
		D	12.40	.60	.24	103		10-10	0
	4	S	12.05	.60	.32	103		5-11	0
		D	12.20	.60	.29	103		9-9	0
	5	S	10.80	.33	.13	97		9-5	0
	7	S	10.10	18.91	.53	101		9-5	0

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1947									
29. iii	1	0	18.80	19.82				1	5
		5	18.80	.81				0	15
	2	0	18.80	.94				8	7
		10	18.80	.90				5	7
	3	0	18.90	.63				3	7
		10	18.60	.60				3	12
		20	18.60	.61				1	12
	5	0	18.70	.88				0	5
		10	18.70	.88				1	7
		20	16.20	.88				6	7
	6	0	19.60	20.17				3	12
		5	19.60	.25				3	12
4-7. v	1	0	16.20	19.94				1	7
		10	16.20	.99				0	7
	2	0	16.40	.92				1	7
		10	17.00	.96				3	7
	3	0	16.30	.79				1	5
		10	16.40	.80					7
		20	16.40	.82				1	7
	5	0	17.10	.89				1	7
		10	16.60	.96				1	7
		20	16.70	20.00				3	5
	6	0	15.90	.28				1	5
		5	15.90	.35				1	7
30. v-4. vi	1	0	12.90	20.07				6	16
		5	12.90	.07				3	32
	2	0	14.50	.02				6	16
		10	14.50	.02				3	23
	3	0	14.50	19.87				1	23
		10	14.50	.90				1	17
	5	0	14.30	20.07				6	23
		10	14.20	.05				6	23
		20	14.30	.09				3	23
	6	0	12.10	.35				7	25
		5	11.90	.41				7	25

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
4-	1	0	10.70	19.97				6	5
9. vii		5	10.80	.99				1	5
	2	0	10.90	.97				7	15
		10	11.00	.98				7	15
	3	0	11.35	.84				3	12
		10	11.30	.85				5	8
		20	11.25	.86				3	8
	5	0	10.70	20.00				6	8
		10	10.80	.01				5	3
		20	12.00	.00				8	15
	6	0	11.20	.20				7	15
		5	11.35	.20				7	12
11. ix	1	0	11.20	19.79	6.43	103		15	0
		5	10.90	.82	.50	104		10	4
	2	0	11.00	.28	.43	119		6	0
		10	10.60	.41	.42	102		10	0
	3	0	12.00	.68	.19	101		10	16
		10	12.00	.67	.19	101		7	0
		20	12.00	.66	.25	102		7	0
	5	0	10.70	.69	.25	99		14	0
		10	10.40	.75	.28	99		14	0
		20	10.40	.71	.07	96		13	0
	6	0	10.50	20.03	.35	101		11	0
		5	10.20	.02	.18	98		11	0
4-	1	0	14.10	18.61	6.46	108		11	19
8. x		5	13.20	19.00	5.87	97		8	24
	2	0	13.10	.37	.98	99		7	0
		10	12.50	.44				4	0
	3	0	11.60	.52	.90	95		6	0
		10	12.80	.54				4	0
		20	12.30	.58	.97	98		6	4
	5	0	11.90	.54	.57	90		6	6
		10	11.90	.57				9	0
		20	12.00	.64				7	0
	6	0	13.30	20.08					2
		5	13.30		.58				

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
31. x-	1	0	15.30	18.86	5.91	101		8	0
3. xi		5	15.00	19.43	.88	101		14	0
	2	0	13.90	.48				0	0
		10	14.00	.48	.85	99		12	0
	3	0	14.40	.61	.77	98		0	0
		10	14.10	.61	.63	95		14	0
		20	14.10	.62	.74	97		12	2
	5	0	13.80						
		10	13.80	.43				0	0
		20	13.50	.57	.44	91		12	0
	6	0	14.90	20.07	.55	96		0	5
		5	14.90	.06	.75	99		14	5
21-	1	0	16.30	18.75				6	4
25. xi		5	17.20	.80	6.00	106		4	0
	2	0	16.90	19.09				15	0
		10	16.50	.12	.27	110		8	2
	3	0	16.00	.45	5.75	100		15	6
		10	16.00	.46	.61	98		15	1
		20	13.10	.48	6.28	104		11	0
	5	0	16.40	.25	5.78	101		11	0
		10	16.20	.35	.77	101		15	0
		16	16.20	.40	.60	98		15	0
	6	0	17.80	.83	.44	99		11	1
		5	17.80	.85	.42	98		11	0
10-	1	0	18.60	18.53	5.30	96		15	26
12. xii		5	17.80	19.14	.04	90		16	35
	2	0	16.80	.41	.34	94		11	20
		10	22.70	.43	.48	107		11	19
	3	0	16.50	.51	.44	96		11	22
		10	16.40	.53	.20	92		10	27
		20	16.40	.53	4.98	88		10	49
	5	0	17.80	.37	5.42	97		11	12
		10	16.60	.38	.18	91		11	12
		20	16.50	.39	.21	92		14	20
	6	0	19.40	20.01	.29	98		12	20
		5	19.40	.02	.04	94		11	20

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1948									
26-	1	0	10.00	19.21				14	4
27. viii		5	9.80	.56				14	5
	2	0	9.20	.41				12	5
		10	9.10	.49				20	1
	3	0	9.75	.65				24	5
		10	9.80	.64				5	5
		20	9.90	.64				5	5
	5	0	9.80	.67				16	0
		10	9.20	.66				13	2
		20	9.20	.68				10	6
	6	0	10.00	.90				10	0
		5	9.70	.89				18	66
20-	1	0	11.80	18.84	6.06	98		9	4
23. ix		5	11.80	19.23	.09	98		9	4
	2	0	11.90		.47				
		10	11.80	.41	.26	101		9	4
	3	0	12.20	.58	.17	101		6	3
		10	11.80	.50	.06	98		10	4
		20	12.40	.50				8	1
28-	1	0	13.50	18.09				13	16
31. x		5	13.80	19.44	5.73	96		13	6
	2	0	13.00	.28	.87	97		9	0
		10	12.80	.30	.97	98		9	2
	3	0	13.40	.63	.91	99		6	0
		10	13.30	.61	.96	99		6	0
		20	13.30	.59	.83	97		9	0
	5	0	13.00	.46	.87	97		13	4
		10	13.00	.46	.87	97		12	7
		20	13.00	.50	.83	97		13	7
	6	0	14.00	.76	.96	101		9	0
		5	13.80	.74	6.05	102		12	6

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
30. xi-	1	0	17.50	18.77	5.77	102		7	5
3. xii		5	17.30	19.61	.66	101		11	0
	2	0	16.50	.36	.77	102		11	0
		10	17.00	.37				7	0
	3	0	16.00	.66	.80	102		8	5
		10	16.00	.61	.81	102		7	0
		20	16.30		.99			27	0
	5	0	17.30	.40	.73	102		9	12
		10	16.40	.36	.63	99		12	19
		20	16.40	.43	.80	102		22	16
	6	0	17.50	.82	.59	101		9	7
		5	17.30	.90	.59	100		16	9
15-	1	0	18.40	18.78	6.68	121		4	14
21. xii		5	18.40	.99	.08	110		7	9
	2	0	16.50	19.44	5.40	95		10	14
		10	17.40	.44	.39	96		0	13
	3	0	15.80	.71	.82	102		2	41
		10	15.80	.72	.67	99		6	0
		20	15.80	.73	.70	99		2	0
	5	0	17.50	.46	.37	96		9	11
		10	17.05	.49	.38	96		11	2
		20	18.20	.45	.39	98		8	16
	6	0	18.10	20.18	.42	99		3	39
		5	17.90	.15	3.07	56		7	46
1949									
23-	1	0	20.20	18.27	5.08	94		23	85
26. i		5	19.00	19.50	4.93	91		14	6
	2	0	19.00	.60	5.14	95		12	4
		10	18.40	.62	.15	94		10	6
	3	0	17.80	.63	.23	94		6	0
		10	17.20	.67	.27	94		7	0
		20	17.10	.68	.30	94		6	0
	5	0	18.50	.61	.40	99		9	2
		10	18.40	.63	.40	99		10	2
		20	18.40	.62	.57	102		7	4
	6	0	18.10	20.18	.26	97		9	0
		5	18.80	.19	.21	96		6	0

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
24-	1	0	18.00	19.37	5.35	97		12	11
25.ii		5	16.90	.66	.21	93		12	90
	2	0	18.10	.76	.19	94		10	0
		10	17.80	.80	.21	94		8	0
	3	0	17.10	.69	.24	93		3	4
		10	16.90	.70	.31	94		3	6
		20	16.90	.72	.27	94		6	0
	5	0	18.10	.85	.27	96		5	0
		10	18.10	.81	.18	94		11	4
		20	18.00		.06			9	5
	6	0	16.30	20.06	.37	95		6	10
		5	16.40	.18	.14	91		4	11
7-	1	0	15.70	18.41	5.44	93		16	64
12.iv		5	15.50	19.58	.51	95		8	0
	2	0	15.50	.47	.59	97		11	0
		10	15.20	.46	.37	92		8	3
	3	0	15.50	.72	.65	98		4	0
		10	15.50	.76	.63	98		8	0
		20	15.50	.75	.55	96		5	0
	5	0	17.90	.71	.52	100		6	0
		10	17.10	.69	.44	97		8	0
		20	17.20	.66	.40	96		7	0
	6	0	15.20	.79	.41	93		7	0
		5	15.00	.76	.56	96		6	0
9-	1	0	15.00	18.35	5.35	91		23	29
11.v		5	14.50	19.69	.85	100		12	4
	2	0	14.30	.60	.90	100		6	2
		10	14.00	.61	.83	98		9	0
	3	0	14.30	.66	.85	99		5	5
		10	14.50	.69	.99	102		5	10
		20	15.00	.69	.84	101		5	4
	5	0	14.60	.66	.78	99		9	0
		10	14.40	.65	.75	98		11	2
		20	14.50	.64	.71	97		6	4
	6	0	12.50	.80	6.02	99		5	9
		5	12.70	.86	.07	100		8	4

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1949									
17-	1	0	11.40	19.38	5.55	89		7	6
19. vi		5	11.25	.40	.03	80			
	2	0	11.65	.61	.54	90		8	0
		10	11.55	.61	.73	92		8	0
	3	0	12.80	.71	.98	99		5	3
		10	12.70	.71	.84	96		5	0
		20	12.60	.71	.90	97		5	0
	5	0	11.80	.61	.92	96		10	2
		10	11.60	.72	6.03	98		6	0
		20	11.75	.72	5.90	96		6	0
	6	0	10.50	.79	.82	92		6	7
		5	10.45	.81	6.03	96		6	8
25-	1	0	9.80	16.97	6.75	102		9	83
26. vii		5	9.80	19.57	.16	96		9	3
	2	0	9.90	18.91	.87	106		4	4
		10	9.90	19.54	.33	99		8	9
	3	0	11.60	.67	.51	105			6
		10	11.60	.67	.43	104		5	0
		20	11.30	.63	.53	105		18	11
1. viii	2	0	9.40	19.65	6.62	102		10	8
		5	9.40	.68	.54	101		11	5
	5	0	9.80	.67	.56	102		7	6
		10	9.70	.56	.55	102		11	5
		20	9.80		.54				7
24-	1	0	10.40	19.52	5.88	93		7	15
26. viii		5	10.10	18.85	6.19	96		8	13
	2	0	9.90		.41			4	6
		10	9.55	19.28	.37	98		8	6
	3	0	11.00	.67	.17	99		8	5
		10	11.05	.62	.14	98		7	6
		20	11.05	.63	.30	101		4	6
	5	0	10.00	.52	5.35	84		9	6
		10	10.00	.52	.15	81		5	5
		20	9.90	.51				8	5
	6	0	9.85	.65	6.30	98		9	5
		5	9.90	.63	.18	97		7	8

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
13-	1	0	12.40	18.77	5.58	91		10	0
21. ix		5	12.10	19.15	4.44	72		7	0
	2	0	11.50	.39	.95	80		5	0
		10	11.30	.40	5.02	80		7	0
	3	0	11.80	.45	.79	94		5	0
		10	11.90	.48	.74	93		5	0
		20	12.00	.51	.35	87		4	0
	5	0	11.65	.46	.33	86		5	0
		10	11.10	.48				5	0
		20	11.00	.47	.85	93		6	0
	6	0	12.50	.72	4.70	77		9	4
		5	12.40	.67	5.90	97		6	0
17-	1	0	13.20	19.25	5.61	93		14	0
20. x		5	13.10	.30	.61	93		12	0
	2	0	13.80	.22	.56	93		7	2
		10	13.50	.29	.76	96		6	4
	3	0	13.20	.57	4.98	83		7	0
		10	13.20	.62	5.38	90		6	0
		20	13.20	.65	.10	85		7	0
	5	0	13.10	.39	.26	87		10	0
		10	13.10	.36	.71	95		8	0
		20	13.10	.38	.87	97		9	0
	6	0	13.95	.66	.75	99		7	0
		5	13.95	.63	.58	96		7	0
15-	1	0	16.20	17.24	5.36	91		12	20
18. xi		5	16.00	18.82	.28	92		13	0
	2	0	16.50	.53	6.08	106		6	0
		10	16.20	.69	5.95	103		6	0
	3	0	16.10	19.22				9	0
		10	16.00	.24	6.06	106		14	0
		20	16.00	.25				10	0
	5	0	15.50	.15	5.93	102		6	0
		10	15.60	.14	.93	102		7	0
		20	15.40	.24	.57	96		8	0
	6	0	16.90	.40	.96	105		10	0
		5	16.60	.36	.94	105		10	0

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
7-	1	0	18.10	15.26	7.60	131		11	10
9.xii		5	18.00	17.89	4.88	87		6	0
	2	0	16.75	18.92	5.13	90		12	0
		10	16.80	.89	.50	97		12	0
	3	0	16.40	19.14	.40	95		14	0
		10	16.20	.26	.51	96		13	0
		20	15.80	.37	.73	99		13	0
	5	0	17.10	18.76	4.81	85		8	0
		10	16.80	.81	5.25	92		8	0
		20	16.65	19.09	4.72	83		11	0
	6	0	17.50	.47	5.46	98		11	0
		5	17.50	.50	.55	99		13	0
1950									
18-	1	0	20.20	18.71	5.39	100		3	13
22.i		5	20.10	.89	.41	101		9	6
	2	0	18.90	19.03	4.61	84		12	2
		10	18.90	.01	.23	77		7	2
	3	0	19.00	.24	.85	89		9	3
		10	18.90	.31	5.23	96		5	4
		20	19.10	.42	.26	97		7	2
	5	0	19.10	.11	.18	95		8	6
		10	19.10	.12	.51	101		6	6
		20	19.10	.15				12	4
	6	0	20.15	.83	4.85	91		6	6
		5	19.40	.90	.92	91		10	15
13-	1	0	20.10	17.95	5.01	92		38	28
17.ii		5	19.10	19.03	.01	92		13	0
	2	0	19.00	.15	4.96	91		6	6
		10	18.80	.16	5.20	95		2	0
	3	0	18.50	.30	.02	91		10	0
		10	18.30	.32	.06	92		6	13
		20	18.30	.33	.25	95		17	8
	5	0	19.05	.27	.18	95		11	0
		10	19.10	.25	.26	97		7	0
		20	18.55	.50				17	3
	6	0	19.60	.87	4.86	91		12	12
		5	19.20	.88	5.12	95		12	12

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1950									
21-	1	0	19.40	17.58	6.02	109			0
22. iii		5	19.00	19.03	5.03	92		25	4
	2	0	19.10	.24	.07	93		10	15
		10	19.00	.24	.16	95		10	0
	3	0	18.90	.34	.10	94		6	0
		10	18.70	.36	4.96	91		8	0
		20	18.50	.37				8	4
	5	0	19.30	.28	5.17	95		8	0
		10	19.20	.28	.22	96		5	0
		20	19.10	.27	.18	95		9	0
	6	0	18.00	.72	.36	97		20	0
		5	17.90	.72	.38	97		15	0
15-	1	0	16.65	18.19				28	15
21. iv		5	15.80	.85	5.78	100		30	3
	2	0	17.00	19.05	.66	100		5	0
		10	17.00	.11	.14	91		12	1
	3	0	16.50	.39	.90	104		10	1
		10	16.15	.39	.81	102		12	0
		20	16.10	.37				8	1
	5	0	16.80	.13	.52	97		4	9
		10	16.65	.15	.56	98		8	6
		20	16.75	.27	.42	96		6	6
	6	0	16.60	18.53	6.58	115		22	2
		5	16.70	.55	.53	114		23	2
19-	1	0	13.60	18.39	5.30	88		13	17
22. v		5	13.95	.83	.37	90		7	17
	2	0	14.40	19.21	.84	99		14	5
		10	13.90	.19	.91	99		3	7
	3	0	14.80	.56	.30	91		6	4
		10	14.80	.52	.77	99		6	4
		20	15.10	.57	7.42	128		7	9
	5	0	14.90	.23	5.73	98		7	7
		10	14.60	.19	.78	98		5	6
		20	14.55	.20	.74	97		6	7
	6	0	13.20	18.95	.81	96		14	7
		5	13.00	19.24	.99	99		9	7

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
13-	1	0	11.70	18.70	6.00	96		10	16
16. vi		5	11.60	.59	.02	96		10	13
	2	0	12.20	.89	.67	108		6	4
		10	12.25	.91	.45	105		13	4
	3	0	13.50	19.41	.10	102		7	7
		10	13.55	.44	.02	101		7	5
		20	13.50	.39	.06	101		7	5
	5	0	12.60	.20	5.87	96		7	5
		10	12.50	.18	.86	96		10	4
		20	12.50	.21	.84	96		7	4
	6	0	10.75	18.85	.83	92		9	7
		5	10.70	.83	.90	93		7	5
14-	1	0	10.60	18.79	6.84	107		7	0
17. vii		5	10.55	.82	.69	105		6	2
	2	0	10.60	19.07	.55	103		1	1
		10	11.05	.23	.53	104		5	0
	3	0	12.00	.38	.58	107		1	0
		10	12.60	.51	.31	104		4	0
		20	12.60	.52	.41	105		7	5
	5	0	11.10	.27	.45	103		2	0
		10	11.00		.39				
		20	11.00	.28	.19	99		5	0
	6	0	8.95	18.97	.22	93		3	0
		5	8.90	19.06	.20	94		7	0
17-	1	0	11.00	17.95	6.73	105		15	27
21. viii		5	11.10	18.61	.39	101		12	9
	2	0	11.00	19.01	.62	105		8	
		10	11.00	.00	.59	105		9	2
	3	0	11.85	.13	.29	102		6	0
		10	12.00	.16	.50	105		7	0
		20	12.10	.24	.82	111		7	0
	5	0	11.00	.16	.62	105		5	0
		10	10.95	.15	7.01	111		9	0
		20	11.00		6.23				
	6	0	11.30	18.93	.21	99		11	0
		5	11.20	.94	.41	102		10	0

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
13-	1	0	13.00	16.80	4.64	74		19	5
15.ix		5	12.30	19.05	5.35	87		12	2
	2	0	12.45	18.93	.65	92		5	3
		10	12.30	.94	.75	91		5	3
	3	0	12.50	19.12	.65	92		6	3
		10	12.50	.15	.44	90		4	1
		20	12.45	.20	.50	101		3	5
	5	0	12.80	.08	.60	91		7	0
		10	12.80	.11	.62	92		5	0
		20	11.80	.11	.62	91		7	0
	6	0	13.90	18.87	.33	88		14	2
		5	13.80	.88	.38	90		8	0
11-	1	0	15.70	17.42	5.03	85		18	31
13.x		5	14.90	18.27	.16	87		12	8
	2	0	14.80	.65	.54	94			0
		10	13.30	.61	.42	89			6
	3	0	15.10	19.31	.34	92			7
		10	15.00	.30	.41	93			0
		20	14.90	18.31	.30	90		8	0
	5	0	14.80	.86	.57	96		5	3
		10	14.70	.83	.40	92		7	2
		20	14.80	.86	.31	90		6	1
	6	0	15.95	.84	.14	89		10	3
		5	15.95	.85	4.89	85		19	16
12-	1	0	16.80	18.36	5.59	98		4	0
16.xi		5	16.65	.73	.30	93		3	0
	2	0	17.70	.67	.76	102		3	0
		10	16.50	.65	.00	87		5	0
	3	0	16.50	19.19	.67	99		4	0
		10	16.20	.27	.67	99		6	0
		20	16.12	.29	.74	100		2	0
	5	.0		18.86	.70			3	2
		10	15.90	.91	.72	99		4	0
		20	15.90	.93	.67	98		5	0
	6	0	15.90	19.01	.44	94		4	0
		5	17.30	.04	.38	96		9	0

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
5-	1	0	19.40	18.61	4.72	87		7	2
8.xii		5	20.20	.56	.67	87		11	11
	2	0	20.56	.61	5.59	104		2	5
		10	18.80	.84				3	0
	3	0	20.00	19.30	.37	100		5	5
		10	20.10	.18	.47	102		5	2
		20	21.60	.21	.22	100		5	2
	5	0		18.82	.30			2	8
		10	20.40	19.09	.56	104		3	2
		20	18.40	.01	.32	96		6	2
	6	0	22.40	.22	4.80	93		8	6
		5	22.40	.19	5.95	115		11	3

Location: TAMAR RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1947									
11-	1	S	18.30	19.40	6.27	114		4	12
16.ii	2	S	19.85	18.00	5.55			6	12
	3	S	20.10		.62			4	10
	4	S	20.75	16.06	.34	98		7	31
	5	S	20.95	12.63	4.36	77		7	113
	6	S	21.15	5.53	5.61	94		2	124
	7	S	22.00	0.02	.05	80		0	17
	8	S	23.65	.03	.80	94		0	12
	9	S	25.80	.04	6.27	105		2	12
	10	S	17.95	.10	5.00	73		0	16
	11	S	24.60	.02	.59	92		2	12
30.vi-	1	S	11.80	17.23	5.45	86		5-12	55
3.vii	2	S	9.10	10.82	6.25	86		1-18	160
	3	S	8.40	4.11	7.32	92		0-11	170
	4	S	6.45	2.41	.60	90		0-11	140
	5	S	6.40	1.13	.84	91		0-11	150
	6	S	6.10	0.02	8.66	99		0-14	98
	7	S	5.55	.03	7.30	83		0	123
	8	S	5.05	.03	.75	87		0-10	20
	9	S	5.20	.03	.90	88		0	16
	10	S	3.20	.03	.90	84		0-11	209
	11	S	6.95	.03	.55	88		0-9	30
1948									
5-	1	S	17.80	19.10	5.51	99		6-5	7
7.iii	2	S	16.80	.62	.28	94		10-7	9
	4	S	18.00	13.76	.32	90		9-7	129
	5	S	16.90	12.67	.08	83		13-0	422
	6	S	16.90	0.49	6.33	91		3-19	75
		D	18.60	5.66	0.25	4		12-16	16
	7	S	15.15	0.05	5.94	83		11-0	199
	8	S	17.25	.04	6.22	90		11-2	44
	9	S	17.05	.04	5.95	86		7-2	121
	10	S	13.25	.06	.78	77		2-3	40
	11	S	16.20	.05	6.18	88		9-2	28

Location: TAMAR RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1948									
20-	1	S	10.30	18.78	6.57	102		11	
23. vii	2	S	8.75	15.31	.82	99		12-0	
	3	S	7.50	10.82	7.46	99		9-0	
	4	S	6.65	7.27	.95	99		11-0	
	5	S	7.50	.29	.71	98		8-5	
	6	S	4.25	0.02	9.06	98		3-9	
		D	4.35	.02	.11	99		2-10	
	7	S	3.40	.02	8.91	95		1-9	
	8	S	4.65	.03				3-10	
	9	S	5.45	.07	.41	95		1-4	35
	10	S	3.25	.03	.92	94		2-6	211
	11	S	5.20	.04	.21	91		2-4	58
1949									
9-	1	S	16.40	19.34	5.37	94		8-6	0
11. ii		D	15.65	.45	.41	94		7-6	10
	2	S	17.40	18.68	.14	91		9-6	0
		D	16.85	19.02	.42	96		10-3	4
	4	S	18.80	16.36	.08	90		8-13	10
	5	S	17.70	12.86	.36	90		8-33	82
	6	S	18.30	1.43	.72	85		5-18	26
		D	18.00	5.84	3.12	49		11-17	202
	7	S	16.90	0.02	6.02	86		3-15	6
	8	S	19.25	.03	5.98	90		2-0	7
	9	S	17.40	.03	6.48	94		0-9	0
	10	S	17.40	.01	5.20	75		1-15	0
	11	S	17.50	.03	6.11	89		3-3	6
3-	1	S	10.80	17.93	6.42	100		7-7	0
5. viii	2	S	10.05	16.29	.68	100		6-5	0
	4	S	9.90	10.12	7.30	102		7-21	5
	6	S	7.40	0.03	8.32	98		5-16	25
		D	7.50	.05	.30	98		5-33	30
	7	S	12.40	.05	.37	110		2-7	5
	8	S	9.00	.05	7.68	93		0-13	20
	9	S	10.50	.04	.93	100		2-11	10
	10	S	8.30	.02	6.57	79		1-10	50
	11	S	7.50	.04	7.93	93		2-11	20

Location: TAMAR RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
9-	1	S	18.50	18.80	5.77	104	7.88	9-4	7
12.ii		D	17.60	.86	.33	95	.90	8-5	3
	2	S	18.40	.48	.30	95	.75	9-7	7
		D	17.65	.98	.77	103	.62	9-5	3
	4	S	20.90	15.41	.26	96	.38	18-8	3
	4a	S	19.35	.08	.35	94	.65	12-38	7
	6	S	20.60	5.01	4.48	72	.16	7-45	10
		D	19.40	.79	1.31	21	.66	10-31	140
	7	S	20.70	0.02	5.66	87	5.78	5-12	18
	8	S	21.60	.03	6.34	95	.86	4-6	18
	9	S	19.70	.12	.74	102	7.43	5-1	10
	10	S	21.10	.02	5.57	86	6.15	5-13	27
	11	S	20.50	.02	6.42	99	7.03	5-4	18
30. vi-	1	S	12.35	19.54	5.88	96		10-0	0
1. vii		D	5.85	.49	.95	86		9-2	0
	2	S	11.40	18.56	3.32	53		11-12	0
		D	11.55	.63	6.00	96		16-6	3
	4	S	10.20	.80	.69	105		6-2	23
	4a	S	11.90	0.76	.69	88		9-2	36
	6	S	6.50	1.05	8.10	94		11-1	39
		D	7.00	3.89	6.19	79		11-8	116
	7	S	5.90	0.72	8.40	96		4-2	21
	8	S	9.50	.06	7.89	97		7-2	21
	9	S	6.30	.07	8.53	97		5-8	17
	10	S	5.00	.04	7.99	88		4-8	16
	11	S	7.50	.05	8.34	98		6-6	23

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
16-	3	S	8.40		6.02			12	11
19. vi		D	11.20		5.43			13	30
	5	S	7.60		6.37			0	8
		D	9.20		5.61			13	30
	6	S	6.90		6.81			0	25
		D	6.40		.84			0	20
	7	S	6.50		.98			0	15
	7a	S	5.25		.92			0	118
	8	S	4.80		7.14			7	26
	9	S	5.35		6.84			0	40
	9a	S	6.08		.44			0	138
	9b	S	5.50		.67			4	0
	10	S	6.20		.67			0	10
	10a	S	3.50		.73			0	0
	11a	S	4.80		.73			0	34
	12	S	3.85		.73			0	0
		D	.75		.47			0	5
1946									
24-	1	S	15.80	19.17	5.53	99		2-8	0
28. i		D	15.30	.35	.60	97		3-5	0
	2	S	15.70	.13	.40	93		8-2	0
		D	15.85	.12	.35	92		5-18	0
	3	S	15.65	16.52	4.82	83		2-11	0
		D	15.10	18.25	5.08	85		1-12	0
	4	S	16.40	12.66	.60	88		7-4	0
		D	16.10	16.98	.31	90		4-5	0
	5	S	16.65	6.89	4.90	77		9	0
		D	15.95	15.91	5.68	99		5-1	0
	6	S	16.20	0.25				2-17	0
		D	16.40	13.48	6.10	101		1-5	6
	7	S	16.50	0.04	5.70	81		1-8	5
	8	S	15.10	.02	6.80	94		0-9	5
	9	S	12.20	.02	.50	86		0-6	0
	9a	S	19.70	.05	5.38	81		0	137
	9b	S	16.80	.02	6.05	87		0-3	80
	10	S	10.55	.02	.55	83		0-2	0
	10a	S	14.15	.02	.40	87		0-10	0
	11	S	12.80	.02	.20	83		0-8	0
	11a	S	13.70	.03	.22	84		0	61
	12	S	12.05	.02	.20	81		0-2	0

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
25. vi	1	S	9.40	17.37	6.15	93		2-6	15
		D	11.50	19.15	5.67	91		3-5	32
	2	S	9.70	17.64	6.25	95		1-2	5
		D	9.75	18.94	5.57	86		5-9	25
	3	S	11.45	4.85	7.10	96		0-4	25
		D	11.25	18.89	4.86	77		3-0	25
	4	S	11.20	4.33	7.55	101		1-0	25
		D	10.50	17.51	5.04	78		3-0	20
	5	S	10.40	1.78	7.24	93		0-0	23
		D	10.40	4.20	.44	98		0-0	23
1-	6	S	6.90	0.06				0-7	125
3. vii		D	6.55	.02				0-5	127
	7	S	7.60	.02				0-11	35
	7a	S	8.40	.04				0	162
	8	S	7.10	.03				0-7	103
	9	S	6.25	.02				0	5
	9a	S	7.40	.02				0-7	35
	9b	S	5.20	.01				0-5	0
	10a	S	3.30	.01				4	0
	11	S	6.30	.02				0-3	5
	11a	S	5.80	.02				0-32	35
	12	S	4.10	.01				0	3
	13	S	7.00	.02				0	5
		D	7.00	.04				0-7	118
1947									
17. ii	7	S	16.20	0.02	6.93	98		5-4	44
	7a	S	18.90	.07	.35	94		3-7	56
	8	S	15.50	.01	7.06	99		5-0	26
	9	S	16.70	.01	6.65	95		3-0	12
	9a	S	17.40	.03	5.97	87		5-15	44
	9b	S	16.80	.01	6.35	91		5-0	277
	10	S	15.80	.01	.35	89		37-6	81
	10a	S	15.60	.01	5.64	79		5-1	16
	11	S	16.20	.01	6.35	90		5-0	7
	11a	S	12.50	.02	7.44	98		6-14	60
	12	S	15.90	.02	6.02	82		3-3	7
	13	S	14.65	.01	.75	93		5-0	12
	14	S	17.20	.01	.27	90		5-1	20
	15	S	16.30	.01	.35	90		5-2	12

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
25-	1	S	17.50	18.81	6.02	107		7-0	9
27. ii		D	15.45	19.26	.02	104		3-15	9
	2	S	16.20	18.86	.09	106		7-0	9
		D	16.20	19.13	5.81	101		2-0	12
	3	S	18.45	15.61	6.10	106		10-0	9
		D	16.00	19.08	5.23	91		10-0	7
	4	S	19.20	12.51	6.27	107		1-0	12
		D	16.50	17.72	5.85	104		8-0	9
	5	S	18.30	3.53	6.61	101		13-7	7
		D	17.40	4.21	.77	102		15-5	12
	6	S	16.80	0.17	.94	99		13-0	9
		D	19.05	7.42	4.81	78		14-58	16
23-	1	S	10.35	16.08	5.78	87		0	33
28. vi		D	12.00	18.95				5	28
	2	S	8.80	12.77	6.38	90		1	40
		D	12.05	18.74	5.51	89		3	33
	3	S	6.90	3.36	6.95	84		0-11	54
		D	12.55	18.64	5.00	81		1-20	36
	4	S	5.20	0.91	7.60	85		0-6	58
		D	6.55	1.93				0-12	52
	5	S	3.90	0.03	8.05	87		0-14	42
		D	4.10	.02	9.24	101		0-19	33
	6	S	3.90	.02	8.44	91		0	33
		D	3.40	.02	.50	91		0-19	40
	7	S	3.95	.03	.15	88		0-13	30
	7a	S	3.50	.06	7.60	81		0-15	150
	8	S	3.45	.02	8.46	90		0-10	36
	9	S	3.50	.02	.14	87		0-9	0
	9a	S	3.20	.03	7.25	77		0-15	16
	9b	S	2.60	.03	8.53	89		0-11	2
	10	S	4.85	.02	.00	89		0-5	7
	10a	S	2.40	.02	7.92	82		0-8	6
	11	S	7.80	.02	.52	89		0	40
	12	S	2.60	.01	.70	80		0-7	11
	13	S	7.40	.02				0-8	20
	14	S	3.45	.02	8.10	86		0-10	2
	15	S	3.40	.02	.00	85		0-13	6

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1948									
23. ii	1	S	16.60	18.91	5.23	92		8-7	0
		D	17.90	19.11	.15	92		6-13	0
	2	S	13.80	18.58	.49	91		10-11	0
		D	15.70	19.12	.38	93		9-10	0
	3	S	16.85	16.51	.31	91		9-11	0
		D	17.35	19.04	6.36	113		26-14	0
	4	S	17.20	15.26	5.23	89		11-15	0
		D	17.90	16.26	.14	89		15-8	0
2-4. iii	5	S	16.90	7.82	.43	85		12-1	35
		D	15.65	12.95	.04	81		16-4	29
	6	S	16.00	0.39	6.27	89		4-9	37
		D	17.40	12.52	2.04	34		6-13	22
	7	S	15.85	0.07	6.48	91		3-10	21
	7a	S	14.90	.05	5.98	83		10-9	239
	8	S	13.40	.01	6.95	93		3-4	74
	9	S	14.70	.01	.22	86		6-9	25
	9a	S	12.50	.04	5.40	71		6-16	230
	9b	S	12.50	.01	6.70	89		0-10	50
	10	S	12.60	.03				25-14	77
	10a	S	12.30	.01	5.86	77		3-4	51
	11	S	12.60	.02	6.45	85		9-0	4
	12	S	12.75	.01	5.42	72		2-12	32
	13	S	15.00	.02	6.25	86		4-8	93
	14	S	13.40	.01	.60	89		5	6
	15	S	12.80	.01	5.81	77		9-11	21
14. vii	1	S	9.20	18.04	6.20	94		12-0	26
		D	9.45	.17	.20	94		13-1	0
	2	S	9.40	17.57	.36	96		17-1	14
		D	11.00	18.44	.14	97		11-3	0
	3	S	10.20	.15	5.97	92		7	0
		D	11.15	19.05	.13	82		25-0	31
	4	S	6.20	3.12	7.83	92		7-2	0
		D	10.75	18.66	5.25	83		20-11	22
19-20. vii	5	S	4.20	0.29	8.69	94		0-8	2
		D	5.95	5.25	7.66	90		4-4	0
	6	S	3.90	0.12	8.93	96		1-2	0
		D	3.85	.05	9.05	97		1-4	123
	7	S	3.65	.02	.13	98		1-7	52
	7a	S	4.00	.06	.07	98		1-12	205

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
19-	8	S	2.20	0.06	9.36	96		9-0	4
20. vii	9	S	2.90	.03	8.92	94		7-0	28
	9a	S	1.70	.04	.53	87		4-7	20
	9b	S	2.25	.02	9.22	95		2-4	19
	10	S	3.60	.02	8.75	93		1-6	67
	10a	S	1.70	.02	.50	86		2-6	4
	11	S	4.20	.02	.21	89		1-7	34
	12	S	1.65	.02	.81	90		2-4	0
	13	S	4.55	.02	7.87	86		1-4	29
	14	S	2.10	.02	9.07	93		1-5	9
	15	S	1.50	.02	8.38	85		1-6	20
1949									
3. ii	1	S	17.85	17.22	5.73	101		14-0	0
		D	13.80	19.19	.37	90		8-2	6
	2	S	18.20	18.29	.82	104		11-1	0
		D	14.35	19.09	.41	91		12-6	9
	3	S	17.00	13.69	.57	93		6-2	0
		D	14.00	19.13	4.66	78		17-5	6
	4	S	18.80	2.01	5.71	87		3-7	0
		D	14.40	18.91	4.03	68		22-7	11
7-	5	S	15.90	5.58	5.58	83		6-10	7
8. ii		D	14.50	17.97	3.84	64		14-86	20
	6	S	15.80	0.29	6.22	88		3-5	8
		D	15.85	1.45	5.88	85		3-8	9
	7	S	16.50	0.03	6.24	89		3-12	
	7a	S	17.50	.01	5.85	85		3-12	
	8	S	16.35	.01	6.90	98		3-1	12
	9	S	18.40	.01	.42	94		3-0	6
	9a	S	15.25	.03	5.61	78		15-21	38
	9b	S	15.25	.01	6.55	91		3-0	11
	10	S	17.20	.01	.47	93		1-4	9
	10a	S	13.75	.01	.27	85		3-3	17
	11	S	13.25	.01	.45	86		3-3	18
	12	S	14.70	.01	5.47	75		3-10	4
	13	S	13.00	.01	6.34	98		3-1	27
	14	S	15.10	.01	.34	102		3-6	4
	15	S	16.50	.01	.47	92		3-2	19

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1949									
28. vii	1	S	9.20	16.83	6.67	99		3-19	0
		D	9.70	18.30	.34	97		3-15	0
	2	S	9.40	.26	5.94	90		4-15	2
		D	9.80	.49	6.23	96		4-14	0
	3	S	7.80	9.99	.91	92		6-12	15
		D	10.10	18.83	5.87	91		8-18	5
	4	S	6.80	8.58	7.01	89		3-22	17
		D	10.00	18.57	5.29	82		15-10	36
1-	5	S	6.40	1.64	7.92	105		3-0	15
3. viii		D	6.80	2.98	.69	92		2-9	5
	6	S	6.20	0.03	.97	91		4-3	10
		D	6.10	.03	.33	83		5-0	10
	7	S	6.10	.04	8.38	95		4-8	10
	7a	S	10.00	.06	7.75	96		5-15	80
	8	S	9.00	.03	8.58	104		2-12	10
	9	S	9.40	.02	.46	104		4-0	10
	9a	S	6.10	.04	6.47	74		4-10	20
	9b	S	4.40	.01	8.34	91		2-2	5
	10	S	5.30	.01	.33	93		0-7	10
	10a	S	5.00	.01	.10	90		0-22	10
	11	S	7.50	.01	7.75	91		0-6	10
	12	S	4.50	.02	8.09	89		0-13	5
	13	S	6.50	.02	7.65	88		2-2	10
	14	S	7.50	.02	8.27	97		1-6	5
	15	S	5.50	.02	.03	90		2-6	5
1950									
7-	1	S	16.50	18.29	5.90	103	8.06	9-7	0
15. ii		D	15.40	19.02	.56	96	.07	9-8	0
	2	S	17.20	8.85	.86	93	.05	8-2	0
		D	14.35	19.09	4.14	70	7.98	13-10	0
	3	S	17.00	14.27	5.23	88	.81	12-10	0
		D	15.80	18.26	.01	86	.91	12-11	0
	4	S	17.60	11.36	.38	88	.90	9-6	0
		D	15.10	14.29	4.78	77	.83	15-2	0
	5	S	17.35		5.83		.72	6-5	14
		D	16.60	11.49	4.26	69	.31	17-19	3
	6	S	18.40	0.37	6.49	96	6.16	5-3	25
		D	19.15		.57		.01	4-3	18

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
7-	7	S	18.35	0.03	6.56	96	5.86	5-8	22
15. ii	7a	S	18.30	.07	.34	93	6.12	7-9	22
	8	S	17.05	.02	.99	101	5.16	5-5	18
	9	S	14.80	.02	.91	95	.51	6-10	18
	9b	S	16.60	.03	.22	89	.09	5-6	22
	10	S	13.68	.02			4.37	8-3	18
	10a	S	12.95	.02	.68	89	5.19	5-4	22
	11	S	18.90	.02	.26	93	4.99	4-5	18
	12	S	17.65	.02	.66	97	5.03	3-4	10
	13	S	16.30	.02	7.05	100	.05	5-0	18
	14	S	21.90	.02	6.02	95	.14	5-5	14
	15	S	19.20	.02	.66	100	.99	5-6	22
28. vi-	1	S	10.80	18.63	6.19	97		14-0	16
5. vii		D	11.30	19.35	5.99	96		15-1	30
	2	S	10.80	18.97	6.29	99		15-2	11
		D	11.25	19.19	5.95	95		14-1	24
	3	S	9.90	12.99	6.52	94		11	13
		D	10.60	19.14	5.56	88		17	15
	4	S	9.10	11.09	6.93	96		10-5	10
		D	11.65	19.07	5.17	83		20-0	24
	5	S	5.80	4.77	8.10	97		17-0	35
		D	7.05	7.26	7.28	92		11-0	0
	6	S	5.70	0.10	8.49	96		3-7	0
		D	6.10	2.64	7.72	91		6-0	0
	7	S	5.80	0.04	8.69	97		10-0	0
	7a	S	4.40	.10	.55	93		8-17	280
	8	S	5.00	.03	.91	99		25-0	0
	9	S	5.80	.05	.34	94		8-0	0
	9b	S	4.50	.02	.60	94		3-1	0
	10	S	5.80	.03	.19	93		5-0	0
	10a	S	7.80	.04	.28	98		2-4	0
	11	S	7.20	.03	7.73	90		3-0	0
	13	S	5.60	.04	5.91	66		8-0	0
	14	S	4.30	.02	8.63	95		5-0	0
	15	S	7.10	.03	.10	94		10-0	0

Location: HUON RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1947									
22.11	1	S	17.30	18.61	6.26	111		3	9
	2	S	16.50	12.64	5.97	97		7	9
	3	S	17.60	15.02	.23	89		7	12
	4	S	15.90	3.68	.55	81		1	9
	5	S	14.85	0.11	7.08	98		1	9

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
30. i-	1	0	16.55	18.65					
1. ii		15	15.75	.87					
	2	0	16.60	.62					
		15	15.80	.80					
	3	0	17.70	.72					
		12	15.45	.90					
	5	0	15.65	.73					
		8	15.20	.80					
	6	0	14.60	19.13					
		10	14.45	.09					
5-	1	0	11.65	18.81					
7. vi		20	11.50	.85					
	2	0	10.20	.70					
		12	10.20	.77					
	3	0	9.65	.67					
		18	9.60	.70					
	4	0	9.60	.70					
		16	9.80	.65					
	5	0	9.45	.67					
		6	9.50	.75					
	6	0	9.75	.96					
		14	9.75	.85					
10-	1	0	9.85	18.81					
11. vii		20	9.65	.85					
	2	0	8.85	.70					
		14	8.60	.77					
	3	0	9.40	.67					
		14	9.35	.70					
	4	0	8.05	.70					
		11	9.40	.65					
	5	0	8.85	.67					
		9	8.65	.75					
	6	0	8.90	.86					
		12	10.00	.85					

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1945									
8-	1	0	9.60	18.34					
9. viii		22	9.80	.68					
	2	0	10.00	.40					
		11	9.30	.50					
	3	0	9.30	.40					
		17	9.30	.53					
	4	0	9.40	.45					
		12	9.40	.40					
	5	0	9.60	.20					
		10	9.30	.27					
	6	0	10.00	.75					
		14	9.80	19.09					
17-	1	0	11.80	17.92					
18. ix		10	10.80	18.14					
	2	0	10.75	17.97					
		12	10.70	18.21					
	3	0	11.15	16.69					
		15	11.00	18.36					
	4	0	10.75	17.97					
		15	10.65	18.58					
	5	0	11.10	17.75					
		9	10.70	.82					
	6	0	10.90	16.25					
		12	11.15	19.09					
19-	1	0	12.10	17.29					
20. x		9	11.95	18.04					
	2	0	13.50	17.11					
		15	11.40	18.50					
	3	0	12.35	16.97					
		18	11.40	18.33					
	4	0	12.20	16.77					
		11	11.40	18.07					
	5	0	12.40	17.84					
		9	11.80	.82					
	6	0	13.15	16.36					
		13	11.45	18.90					

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1945									
11-12. xi	1	0	13.60	18.58					
		19	13.55	.46					
	2	0	14.05	.36					
		14	13.60	.38					
	3	0	14.00	.43					
		16	13.30	.48					
	4	0	13.90	.46					
		10	13.70	.48					
	5	0	13.90	.40					
		8	13.30	.65					
	6	0	13.00	.36					
		12	12.95	.65					
1946									
21-22. i	1	0	17.25	19.04					
		16	16.20	.17					
	2	0	16.80	.04					
		14	16.30	.07					
	3	0	17.00	.07					
		14	16.50	.07					
	4	0	17.20	.07					
		10	16.70	.07					
	5	0	16.70	.09					
		5	16.90	.63					
	6	0	16.00	18.68					
		10	16.25	.94					
21-22. ii	1	0	16.45						
		17	15.50	19.10					
	2	0	16.50						
		10	16.05	18.90					
	3	0	17.45						
		10	16.00	.99					
	4	0	16.05						
		10	15.90	.97					
	5	0	16.40						
		8	15.90	.83					
	6	0	15.45						
		11	14.85	19.14					

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1946									
22-	1	0	18.30	17.33					
23.iii		19	16.00	18.83					
	2	0	16.10	.02					
		10	15.40	.36					
	3	0	16.60	17.67					
		18	15.40	18.78					
	4	0	16.50	17.60					
		8	15.35	18.46					
	5	0	15.15	17.03					
		8	15.50	.51					
	6	0	14.30	19.14					
		12	14.85	.02					
29-	1	0	11.55	18.50					
30.v		20	10.90	.83					
	2	0	11.95	.60					
		10	12.40	.53					
	3	0	11.55	.40					
		20	12.00	.65					
	4	0	11.60	.45					
		4	11.60	.96					
	5	0	10.60	.31					
		9	10.30	.45					
	6	0	11.60	.96					
		11	11.95	.89					
27.vi	1	0	9.15						
		19	10.40						
	2	0	9.85						
		16	10.55						
	3	0	9.25						
		8	10.10						
	4	0	9.70						
		10	8.25						
	5	0	9.10						
		9	9.10						
	6	0	9.35						
		19	10.40						

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1946									
22-	1	0	9.70	17.91					
23. vii		30	10.85	18.40					
	2	0	9.65	17.98					
		18	9.80	18.01					
	3	0	9.40	17.77					
		19	9.50	.77					
	4	0	9.50	.76					
		18	9.65	.82					
	5	0	8.80	.47					
		8	9.40	.57					
	6	0	11.40	.23					
		18	10.40	18.29					
20-	1	0	8.85	16.88					
21. viii		23	10.20	18.60					
	2	0	9.05	17.13					
		15	9.50	.62					
	3	0	8.50	16.88					
		10	9.20	17.18					
	4	0	8.90	.03					
		15	9.10	.27					
	5	0	8.35	16.61					
		7	8.20	.58					
	6	0	9.20	.47					
		18	9.90	18.26					
10. ix	1	0	9.80	17.62					
		18	10.90	18.72					
	2	0	10.30	17.62					
		18	10.40	18.55					
	3	0	10.40	17.67					
		15	10.00	.89					
	4	0	10.10	.55					
		8	9.95	.57					
	5	0	9.70	16.81					
		8	10.20	17.50					
	6	0	10.10	.37					
		18	10.60	18.85					

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1947									
4. iii	1	0	17.00	19.19				0-14	5
		10	16.05	.20				3-8	5
	6	0	16.60	18.94				1-6	5
		10	16.65	.99				0-4	5
14. iv	1	0	15.00	18.76				1-11	7
		25	15.30	19.02				3-10	5
	6	0	14.20	18.80				1-5	5
		13	14.70	.79				3-4	2
30. v	1	0	12.45	17.74				3-11	32
		D	12.95	18.75				7-54	23
	6	0	11.50	16.76				1-15	37
		D	12.90	17.77				7-13	37
23. vi	1	0	10.45	16.30				1-16	36
		45	12.30	18.76				1-13	36
	6	0	10.10	16.70				3-11	40
		D	10.90	17.34				3-15	45
15. vii	1	0	11.25	18.21				3-11	30
		19	12.20	19.09				7-10	30
	6	0	11.95	18.25				3-8	34
		15	11.95	.76				3-8	34
11-	1	0	9.95	17.49				7-7	4
12. viii		20	11.15	18.89				17-11	4
	6	0	10.55	17.28				3-7	14
		13	11.70	18.93				3-8	15
15-	1	0	11.45	18.32				5	20
16. ix		D	10.20	.51				6	17
	6	0	10.90	.50				14	26
		D	10.80	.53				6	24
14. x	1	0	12.15	17.61				2-9	2
		10	10.35	18.21				2-13	5
	6	0	12.20	17.59				4-13	7
		8	11.55	18.97				6-22	15

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1947									
18. xi	1	0	13.90	17.62				6-20	0
		25	12.35	18.72				10-9	0
	6	0	13.90	17.80				7-25	0
		12	12.55	.45				10-14	0
10. xii	1	0	16.45	18.08				11-0	4
		40	12.95	19.16				11-5	6
	6	0	15.70	18.58				15-0	6
		D	14.35	.68				17-6	3
1948									
20-	1	0	17.50	18.50				7-13	15
21. i		19	15.45	.94				20-8	8
	6	0	17.50	.59				7-0	40
		10	17.00	.68				6-4	27
10. ii	1	0	17.50	18.96				2	0
		15	16.10	19.16				4	0
	6	0	17.85	18.98				10	8
		11	15.90	19.09				4	0
16. iii	1	0	14.60	18.63				5-10	6
		33	14.70	19.12				9-12	15
	6	0	14.40	18.38				8-6	7
		10	13.85	.66				8-6	6
21. iv	1	0	13.30	18.73				11-2	0
		20	13.20	.86				10-1	0
	6	0	12.70	.57				10-3	0
		10	12.70	.63				14-6	16
10. v	1	0	13.75	18.68				5-9	3
		11	13.65	.76				7-11	5
	6	0	12.45	16.99				7-7	9
		12	12.20	18.76				12-13	6
9. vi	1	0	8.25	16.65				34-0	
		21	9.10	17.15				12-0	
	6	0	12.00	.49				13-1	
		12	12.60	18.78				11-0	

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
8. vii	1	0	9.05	17.92				11-0	19
		20	9.80	18.39				13-5	32
	6	0	9.60	.05				15-0	32
		19	9.60	.22				10-11	32
13. viii	1	0	9.85	18.40	6.50	100		1-7	0
		40	10.80	19.08				10-3	51
	6	0	9.50	18.09	.55	100		9-5	10
		15	9.50	.17	.38	97		8-3	0
21. ix	1	0	11.60	18.31	6.35	101		5-12	0
		40	11.25	19.14	.50	104		8-6	3
	6	0	12.00	18.19	.28	100		6-0	0
		15	11.15	19.03	.16	98		9-7	0
18. x	1	0	11.80	18.28	6.50	104		7-5	0
		25	11.50	.83	.24	100		7-5	3
	6	0	11.60	.15	.29	100		9-3	2
		14	11.50	.14	.35	100		8-4	2
10. xi	1	0	13.30	17.84	6.38	104		2-9	25
		30	11.70	19.06	5.77	93		5-12	39
	6	0	13.90	18.14	6.30	104		0-13	26
		11	12.15	.63	.16	99		2-8	27
17. xii	1	0	14.00	18.69	5.84	98		8-0	0
		44	12.90	19.11	6.14	101		8-8	3
	6	0	14.05	18.72	5.74	96		8	3
		10	13.70	.69	.94	99		6	0
1949									
20. i	1	0	15.80	18.46	5.92	102		4	0
		30	14.25	.88	6.05	102		4-0	0
	6	0	14.35	.43	4.25	71		8-11	0
		12	14.20	.61	5.89	99		6-11	0
16. ii	1	0	14.40	18.91	5.55	94		8-3	7
		7	13.65	.94	.56	93		6-4	3
	6	0	15.65	.34	.68	97		3-10	0
		12	14.20	.36	.69	95		6-5	3

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
14. iii	1	0	15. 80	18. 87	5. 41	93		4-10	4
		20	13. 80	19. 18	3. 43	57		8-5	6
	6	0	15. 00	18. 81	5. 64	96		5-15	0
		15	14. 35	. 89	. 80	98		5-7	4
10. iv	1	0	13. 55	18. 75	5. 58	93		5-12	0
		45	13. 40	19. 10	. 68	95		5-19	3
	6	0	12. 60	18. 75				6-5	0
		10	12. 60	. 74	. 81	95		5-10	0
12. v	1	0	11. 55	18. 56				9-4	5
		20	11. 60	. 83	5. 90	95		11-11	8
	6	0	11. 30	. 10	6. 22	98		9-3	4
		11	11. 40	. 75	. 18	98		9-0	5
1. vi	1	0	10. 85	18. 72	6. 33	100		10-2	5
		18	10. 80	. 71	. 19	97		10-3	5
	6	0	10. 45	. 06	. 34	98		10-5	12
		10	10. 50	. 56	4. 95	77		10-5	8
6. vii	1	0	9. 00	18. 28	5. 44	82		10-6	29
		28	9. 05	. 36	. 72	86		9-8	25
	6	0	9. 70	17. 84	4. 96	75		10-5	27
		14	9. 55	18. 13	6. 66	101		10-0	33
2-	1	0	9. 80	18. 49	6. 45	99		8-10	10
3. viii		40	10. 30	19. 06	. 10	95		12-5	30
	6	0	10. 00	18. 41	. 26	96		9-5	15
		10	10. 25	. 81	. 23	97		12-2	35
12-	1	0	10. 70	18. 60	6. 52	104		6-6	4
13. ix		30	10. 30	19. 10	5. 88	92		4-11	14
	6	0	11. 00	18. 39	6. 64	106		7-8	0
		11	11. 60	. 74	. 78	108		6-8	0
12. x	1	0	11. 50	18. 59	6. 46	103		7-3	0
		30	11. 10	19. 13	. 17	98		11-7	19
	6	0	11. 80	18. 67	. 39	102		7-7	5
		15	11. 75	. 65	. 39	102		7-6	0

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
1. xi	1	0	12.45	18.34	6.01	97		9-5	2
		45	11.55	19.14	.20	100		12-8	1
	6	0	12.10	18.55	.12	99		10-8	0
		10	11.50	19.04	5.86	94		13-8	4
9. xii	1	0	14.00	18.69	5.86	98		8-0	4
		50	13.40	.97	.79	96		8-0	7
	6	0	13.65	.73	.86	97		5-0	0
		10	13.60	.79	.90	98		4-0	0
1950									
17. i	1	0	15.35	18.63	5.65	97		6-3	
		20	14.80	.87	.58	95		13-4	
	6	0	15.20	.71	.90	101		8-2	
		10	15.10	.67	.84	99		3-9	
15. ii	1	0	16.50	18.58	5.80	101	8.07	8-2	0
		D	16.30	.68	.79	101	.10	8-0	0
	6	0	16.40	.70	.13	89	7.99	5-11	0
		D	15.85	.65	.55	96	8.07	10-5	0
3. iii	1	0	16.40	18.87	5.58	97		5-29	0
		38	15.05	19.10	.39	92		14-2	10
	6	0	16.00	.00	.68	98		9-1	10
		16	15.90		6.05			15-0	23
24. v	1	0	11.70	18.88	6.17	99		9-4	6
		38	12.05	19.04	5.33	86		9-3	6
	6	0	11.60	18.69	6.19	99		9-16	6
		14	11.00	.78	.12	97		6-5	6
20. vi	1	0	10.05	18.56	6.33	98		8-5	9
		25	10.90	.96	5.97	94		13-4	13
	6	0	9.60	.64	6.21	95		13-0	15
		D	10.00	.61	.14	95		8-0	15
18. vii	1	0	10.05	18.97	5.93	92		9-2	19
		38	10.10	.99	.90	92		10-4	13
	6	0	10.10	.86	.58	87		7-5	17
		14	10.05	.96	6.30	98		9-4	24

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
15. viii	1	0	9.65	18.78	6.03	87		9-7	7
		38	9.90	.91	5.92	108		11-3	11
	6	0	9.65	.75	6.03	93		8-8	31
		14	9.90	.79	.01	110		16-0	29
19. ix	1	0	11.90	18.87	5.99	97		8-7	6
		20	11.60	19.06	.85	94		10-5	9
	6	0	11.35	18.86	6.02	96		9-9	5
		15	12.00	19.28	5.79	94		13-2	13
18. x	1	0	15.10	18.99	5.60	96		9-5	4
		20	14.00	19.00	.83	98		9-5	0
	6	0	13.65	18.87	.77	96		9-1	0
		14	13.30	.98	.96	97		8-3	0
16. xi	1	0	14.25	18.80	5.48	92		5-9	0
		33	14.05	.90	.35	90		7-7	0
	6	0	14.30	.64	.64	95		6-13	0
		10	13.50	.82	.53	92		4-8	0
19. xii	1	0	17.40	18.92	5.41	96		6-8	0
		30	15.60	19.09	.44	94		4-5	0
	6	0	17.10	18.99	.44	95		9-2	0
		10	16.00	19.09	.37	93		5-6	0

Location: **PITTWATER, TASMANIA**

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
10. iii	1	S	19.80	20.18	5.57	105		15-22	0
	2	S	18.10	19.79	.55	101		11-24	0
	3	S	18.50	.70	.88	107		6-11	4
		D	18.00	.62	.67	103		8-14	1
5. iv	1	S	16.00	20.47	5.69	100		8-18	10
	2	S	14.60	.07	.66	97		7-14	7
	3	S	14.30	19.92	.53	94		5-8	5
		D	14.20	.97	6.27	107		5-11	3
20. v	1	S	9.70	19.54	7.68	119		7-3	0
	2	S	8.00	.50	.83	117		4-6	0
	3	S	7.80	.22	6.53	97		3-8	0
		D	7.80	.32	.54	97		4-7	0
10. vi	1	S	8.30	18.82	7.64	114		5	7
	2	S	8.10	.74	6.85	102		5	7
	3	S	8.75	.52	7.05	106		8	7
		D	8.75	.61	.04	106		10-5	8
17. viii	1	S	4.95	18.09	7.64	105		0-10	0
	2	S	5.60	.09	.47	105		5-1	0
	3	S	7.25	.25	.11	103		2-13	0
		D	7.30	.25	.05	103		4-7	0
29. ix	1	S	11.00	19.09				9-3	4
	2	S	11.00	18.95				6-10	6
	3	S	11.00	.94				1-14	3
		D	11.00	.95				1-15	10
26. x	1	S	14.00	18.21				5-12	0
	2	S	13.45	.34				7-13	0
	3	S	12.85	.72	6.20	101		6-11	0
		D	12.85	.70	.27	103		5-14	0
23. xii	1	S	17.15	18.78	5.78	103		11-3	0
	2	S	16.85	.56	.99	105		10-7	0
	3	S	15.70	.77	.66	98		7-10	0
		D	15.70	.78	.60	97		7-8	0

Location: **PITTWATER, TASMANIA**

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
31. i	1	S	21.10	20.27	5.89	113		2-15	0
	2	S	21.35	.28	.75	111		7-7	0
	3	S	18.80	19.91	.82	107		7-13	0
		D	18.80	.89	.52	102		8-13	0
21. ii	1	S	22.65	20.66	6.36	126	8.22	11-13	3
	2	S	20.80	.60	.96	133	.18	9-7	10
	3	S	16.90	.16	5.80	104	.23	8-6	7
		D	16.90	.12	.87	105	.23	7-8	3
14. iv	1	S	12.80	20.47	6.78	113		6-16	18
	2	S	13.40	.16	.38	107		1-9	5
	3	S	14.80	19.89	.46	111		8-12	7
		D	13.40	.81	.31	106		9-6	2
17. v	1	S	10.15	19.81	6.44	101		6-6	5
	2	S	9.15	.50	.38	98		6-4	5
	3	S	9.00	.44				6-4	6
		D	9.00	.45				6-6	6
15. vi	1	S	7.20	17.55	5.24	75		3-2	4
	2	S	6.95	.54				3-4	4
	3	S	7.05	.72	7.12	102		2-5	4
		D	7.15	.78	.40	107		3-22	5
11. vii	1	S	6.15	18.04	6.87	100		3-2	0
	2	S	7.58	.19	.73	98		3-9	3
	3	S	8.08	.42	.87	102		5-3	0
		D	8.10	.43	.78	100		3-4	17
8. viii	1	S	7.60	17.79	6.64	97		4-5	7
	2	S	7.55	.94	.74	98		2-5	7
	3	S	8.20	.87	.49	95		2-17	5
12. ix	1	S	12.00	17.57	5.01	80		2-7	6
	2	S	12.10	.55	6.46	103		3-2	0
	3	S	12.50	.83	2.47	40		3-6	5
		D	11.50	.77	5.25	83		5-3	7

Location: PITTWATER, TASMANIA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
4. x	1	S	14.80	18.45	6.05	102		5-14	4
	2	S	14.65	.45	5.33	90		10-5	20
	3	S	14.30	.54	.80	97		6-3	2
		D	14.60	.64	.31	90		6-4	3
9. xi	1	S	17.15	8.08	4.77	75		3-5	3
	2	S	16.90	18.95	5.14	87		6-4	1
	3	S	17.00	17.11	.65	97		3-10	0
6. xii	1	S	20.80	18.42	4.70	88		11-52	80
	2	S	20.90	.16	.97	93		13-23	16
	3	S	20.80	19.20	.57	86		7-19	2

Location: LAKE DOBSON, TASMANIA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1948									
31. iii	1	S	7.60	0.02	6.75	80		3	317
	1a	S	7.05	.01				0	350
	2	S	8.40	.01	.95	83		0	350
		D	6.55	.01	.60	76		2	183
	3	S	9.60	.01	4.58	56		0	325
	4	S	5.40	.01				3	442
10. v	1	S	3.80	0.02	7.70	83		0	0
	1a	S	2.90	.02				1	9
	2	S	3.30	.02	.85	83		0	0
		D	3.80						
	3	S	3.80	.07	.95	85		0	0
	4	S	2.80	.02				1	12
19. x	1	S	3.70	0.03	7.07	76		3-2	3
	1a	S	2.40	.02				3-2	4
	2	S	3.50	.01	.98	85		4-0	7
		D	3.40	.02	.73	82		2-7	4
	3	S	4.75	.02	8.22	90		3-2	5
	4	S	3.20	.02				3-2	1
30. xi	1	S	4.00	0.03				2-4	5
	1a	S	2.10	.02				2-4	8
	2	S	5.15	.01				1-7	8
		D	4.60	.03				1-2	8
	3	S	5.80	.03				3-2	5
	4	S	3.00	.07				5-3	0
16. xii	1	S	7.60	0.02	6.79	80		1	5
	1a	S	6.20	.06				3-2	11
	2	S	8.35	.02				2-0	5
		D	7.35	.02				2-0	5
	3	S	6.50	.01	7.12	82		0-4	10
	4	S	3.70	.02				0-1	5

Location: LAKE DOBSON, TASMANIA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
21. i	1	S	12.30	0.01	6.87	90		0-3	6
	1a	S	11.00	.01				0-3	5
	2	S	11.70	.02	.93	90		0-1	2
		D	9.70	.02	7.12	88		1-0	0
	3	S	11.85	.13	6.88	90		1-2	0
	4	S	5.90	.02				0-12	8
19. ii	1	S	5.10	0.02	7.28	81		0-11	0
	1a	S	4.95	.02				0-4	0
	2	S	4.85	.01	.94	88		0-9	0
		D	6.10	.01	.73	88		0-9	0
	3	S	6.60	.01	.72	89		1-9	3
	4	S	4.75	.02				7-0	4
9. iii	1	S	9.15	0.01	6.72	82		3-1	9
	1a	S	8.60	.01				5-0	10
	2	S	11.00	.01	.68	85		5-1	6
		D	10.25	.01	.67	83		1-6	5
	3	S	7.50	.02	.58	77		1-12	4
	4	S	7.00	.04				1-5	8
4. iv	1	S	8.10	0.01	6.52	78		2-7	14
	1a	S	5.70	.02				0-5	1
	2	S	8.60	.01	.88	83		2-1	0
		D	7.60	.01	7.07	83		0-28	11
	3	S	9.35	.03	6.85	84		0-10	3
	4	S	5.50	.05				1-2	2
19. v	1	S	4.50	0.02	7.28	79		1-20	14
	1a	S	4.25	.01				1-5	5
	2	S	4.00	.02	8.00	86		0-4	0
		D	4.10	.02	7.99	86		0	0
	3	S	4.40	.02	.94	87		4-5	0
	4	S	3.80	.05				3-5	8
14. vi	1a	S	2.30	0.02				0	0
	3	S	5.50	.07	8.43	96		0	6
	4	S	2.50	.01				0	27

Location: LAKE DOBSON, TASMANIA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
14. vii	1	S	1.55	0.05	8.15	84		3-4	10
	1a	S	1.20	.01				3-4	9
	3	S	1.60	.02	.50	86		7-0	10
	4	S	2.10	.05				1-6	12
8. viii	1	S	4.60	0.02	8.09	89		1-7	0
	1a	S	4.30	.02				1-7	0
	2	S	5.30	.02	.32	93		1-6	0
	3	S	5.60	.02	.20	92		2-4	0
	4	S	4.50	.02				3-1	0
21. ix	1	S	5.20	0.02	7.83	87		3-4	0
	1a	S	3.50	.04				3-4	0
	2	S	5.25	.04				1-6	0
		D	5.30	.05	.94	90		3-4	0
	3	S	5.30	.01	.94	89		3-4	0
	4	S	4.10	.02				3-2	0
17. x	1	S	4.40	0.03	7.88	86		0-5	15
	1a	S	2.10	.04				3-4	9
	2	S	4.00	.03				1-5	0
		D	4.00	.03	.85	85		1-12	33
	3	S	4.50	.02	.88	86		2-5	8
	4	S	5.50	.02				2-5	0
19. x	1	S	5.40		7.74		6.48	22	0
	2	S	5.40		.82		.70		0
		D	5.20		.88			20	0
	3	S	5.50		.66		5.86	31	0
20. x	1	S	5.50		7.66		5.75	15	0
	2	S	5.50		.72		.81	12	0
		D	5.20		.78			16	0
	3	S	5.50		.60		6.02	18	0
21. x	1	S	5.20		7.77		6.25	21	0
	2	S	5.10		.83		4.69	25	0
		D	5.10		.83			20	0
	3	S	5.30		.83		5.52	25	0

Location: LAKE DOBSON, TASMANIA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1949									
22. x	1	S	5.60		7.83		5.43	22	0
	2	S	5.30		.72		.51	17	0
		D	5.30		.76		.40	15	0
	3	S	5.70		.64		.38	20	0
23. x	1	S	5.30		7.95		5.50	27	0
	2	S	5.40		.99		.45	27	0
		D	5.10		.85		.46	31	0
	3	S	5.70		.90		.84	23	0
24. x	1	S	5.50		7.88		5.61	20	0
	2	S	5.20		.90		.47	23	0
		D	5.20		.90			25	0
	3	S	5.50		.99		.52	20	0
25. x	1	S	6.20		7.97		5.50	25	0
	2	S	6.10		.90		.32	22	0
		D	6.10		.88		.47	20	0
	3	S	6.40		.90		.27	20	0
21. xi	1	S	10.10	0.02	7.03	88	6.96	3	0
	1a	S	8.00	.02				3-7	0
	2	S	9.90	.02	.00	87	.99	4-16	0
		D	9.40	.02	6.91	85	.84	18-41	0
	3	S	11.25	.02	.92	89	.98	6-5	0
	4	S	4.80	.02				3-0	0
19. xii	1	S	10.50	0.05	6.24	79		1-11	0
	1a	S	10.00	.04				4-8	5
	2	S	10.50	.02	5.71	72		0-16	0
		D	9.00	.04	6.55	80		1-15	0
	3	S	12.00	.02	5.78	76		1-13	0
	4	S	7.50	.02				1-13	0

Location: LAKE DOBSON, TASMANIA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1950									
19.i	1	S	14.75	0.02	4.62	62	5.69	2-7	3
	1a	S	13.25	.04				2-3	3
	2	S	15.00	.02	5.95	82	.61	2	3
		D	12.00	.02	.82	76	.70	1-5	3
	3	S	14.75	.02	6.05	83	.59	2-5	5
	4	S	15.00	.03				1-9	8
20.ii	1	S	14.00	0.05	5.94	81	7.24	9-0	25
	1a	S	13.30	.04				9-0	22
	2	S	13.10	.04	6.64	89	.40	7-0	22
		D	12.10	.02	.73	88	.36	5-2	18
	3	S	13.05	.02	.92	93	.40	5-2	22
	4	S	6.25	.01				6-7	22
20.iii	1	S	11.70	0.03	6.95	90		3-11	2
	1a	S	13.90	.04				2-10	3
	2	S	11.40	.06	.92	89		3-10	2
		D	9.40	.03	.72	82		3-22	55
	3	S	11.50	.12	.74	87		4-6	2
	4	S	4.75	.03				3-7	4
18.iv	1	S	7.25	0.05	6.75	80	7.35	6-1	2
	1a	S	6.25	.03			6.73	1-14	20
	2	S	6.90	.03	.46	75	7.44	1-22	5
		D	6.90	.04	.64	77	.43	2-18	5
	3	S	6.75	.03	.55	76	.46	1-5	9
	4	S	5.00	.03			.05	1-4	13
19.v	1	S	4.45	0.03	7.58	83	7.28	1-5	2
	1a	S	3.75	.03				1-5	6
	2	S	4.55	.04	.60	83	.35	1-7	2
		D	4.50	.04	.32	80	.33	1-6	6
	3	S	4.50	.09	.75	85	.32	1-6	2
	4	S	3.25	.05				1-3	7
21.vi	1a	S	3.25	0.06				0-18	11
	3	S	4.50	.04	8.02	88		6-4	7
	4	S	2.25	.04				5-0	23

Location: LAKE DOBSON, TASMANIA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1950									
17. vii	1	S	3.25	0.04	7.67	81	7.19	2-2	0
	1a	S	5.40	.04				5-1	8
	3	S	3.70	.03	8.09	87	.15	3-0	2
	4	S	2.50	.04				5-0	14
21. viii	1	S	3.25	0.03	7.40	78	7.31	2-8	1
	1a	S	2.60	.03				5-2	0
	2	S	2.90	.03	.22	76	.22	4-6	8
		D	2.90	.03	.13	75	.27	2-4	0
	3	S	3.75	.04	.04	76	6.97	3-8	39
	4	S	3.30	.06				2-9	0
18. ix	1	S	7.10	0.03	7.42	86	7.07	0-6	4
	1a	S	5.80	.03				3-9	6
	2	S	7.10	.03	6.39	74	.16	1-6	4
		D	6.20	.03	7.00	80	.09	1-6	2
	3	S	6.90	.03	6.67	77	.08	1-5	3
	4	S	3.80	.03				9-0	6
23. x	1	S	15.50	0.03	5.71	80		3-8	12
	1a	S	12.75	.03				1-7	10
	2	S	14.40	.03	6.36	87		2-6	2
		D	10.40	.03	.54	82	7.07	1-9	10
	3	S	14.30	.03	5.57	76	.30	4-2	10
	4	S	5.30	.03				1-5	28
24. x	1	S	13.75	0.03	6.18	84	7.22	47-18	0
	2	S	13.75	.03	5.77	78		8-15	4
		D	10.30	.03	6.55	83	.12	3-12	2
	3	S	13.90	.03	.28	85	.19	7-21	21
30. x	1	S	9.50	0.01	6.27	77	7.55	3-8	5
	2	S	9.45	.01	.33	78	.57	1-17	3
		D	8.20	.03	5.91	71	.51	6-5	1
	3	S	9.60	.04	6.36	78	.55	1-12	6
7. xi	1	S	10.65	0.04	6.35	80	7.52	4-7	0
	2	S	8.90	.04	.51	79	.41	3-9	1
		D	7.20	.05	.32	74	.49	2-8	0
	3	S	10.00	.05	.47	80	.48	21-0	0

Location: LAKE DOBSON, TASMANIA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 %	pH	PO_4-P	NO_3-N
1950									
20. xi	1	S	12.65	0.03	6.36	84	7.38	1-11	4
	1a	S	10.00	.03				7-1	1
	2	S	11.35	.03	5.80	75	.55	3-6	9
		D	8.40	.03	6.44	77	.50	5-0	4
	3	S	12.55	.03	.36	84	.54	0-14	3
	4	S	5.20	.03				4-0	23
21. xi	1	S	11.65	0.05	6.08	79	7.56	36-15	93
	2	S	10.80	.03	.13	78	.70	32-17	0
		D	8.90	.03	5.70	69	.57	2-16	2
	3	S	11.00	.03	6.07	77	.67	6-19	4
27. xi	1	S	16.00	0.03	6.18	87		0-19	8
	2	S	15.50	.03	.00	84		12-2	0
		D	12.70	.03	.20	82		5-12	12
	3	S	16.50	.03	.06	86		4-18	0
14. xii	1	S	11.75	0.03	5.67	74		9-5	0
	1a	S	9.10	.03				14-78	0
	2	S	11.10	.03	6.05	77		4-8	0
		D	8.50	.03	.18	74		10-8	2
	3	S	10.40	.03	5.71	72		4-14	3
	4	S	6.75	.03				5-5	23
15. xii	1	S	8.30	0.03	5.86	70		22-18	0
	2	S	8.80	.03	.83	71		21-10	0
		D	8.40	.03	3.78	45		21-9	0
	3	S	8.60	.03	5.50	66		15-11	0
21. xii	1	S	14.30	0.03	6.29	86	7.35	10-14	0
	2	S	14.05	.02	.25	85	.47	3-17	0
		D	9.55	.05	.71	83	.51	12-22	0
	3	S	14.25	.03	.27	86	.35	3-13	0
28. xii	1	S	16.30	0.03	5.55	79	7.43	5-12	0
	2	S	16.60	.03	.68	81	.57	11-11	0
		D	11.80	.03	6.24	81	.27	22-26	0
	3	S	16.30	.03	5.61	80	.60	8-9	0

Location: PENNA DAM, TASMANIA

Date	Station	Depth	Temp. °C.	Cl °/oo	O_2	O_2 °/o	pH	PO_4-P	NO_3-N
1948									
31. v	1	S	6.30	0.04	6.90	79			
	2	S	.30	.04	.84	78			
20. x	1	S	13.00	0.41	5.98	80		0-5	26
	2	S	12.75	.31	.94	79		1-5	21
28. xi	1	S	16.50	0.03				4-33	47
	2	S	.00	.03				3-28	41
17. xii	1	S	19.50	0.37	5.72	86		0-16	35
	2	S	.80	.36	.95	90		0-20	16
1949									
20. ii	1	S	17.90	0.58	4.38	64		3-12	84
	2	S	16.80	.59	1.01	15		1-23	63
10. iii	1	S	20.50	0.58	6.20	96		4-24	22
	2	S	21.00	.59	5.74	89		5-21	31
5. iv	1	S	14.30	0.71	7.31	101		0-41	17
	2	S	.80	.72	4.34	60		15-0	26
20. v	1	S	7.85	0.69	6.58	79		4-22	0
	2	S	8.00	.67	.58	79		5-23	0
10. vi	1	S	10.60	0.69	7.90	101		13	32
	2	S	9.90	.72	6.87	86		3	34