

OCEANOGRAPHICAL STATION LIST

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

Volume 12

**Estuarine Hydrological Investigations in
Eastern and South-western Australia, 1951**

Compiled by D. J. Rochford

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

The hydrological data contained in this volume were collected from estuarine systems in Queensland, New South Wales, Victoria, Tasmania, and south-western Australia during 1951.

II. METHODS

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

III. TIDAL CORRECTIONS

As in the previous volumes, no tidal corrections have been applied to the data in this volume.

IV. UNITS

Units are those used by Rochford (1951).

V. LOCATION OF STATIONS

The station locations are similar to those in previous volumes. However, in late 1950 sampling was commenced in other Queensland estuarine systems and the locations of the stations for these surveys are given in Table 1.

VI. PERSONNEL

The laboratory analyses of the data have been the responsibility of Mr. R. Spencer, Mr. A. Middleton, and the hydrology staff at Cronulla and Perth. Messrs. C. Brown, G. Kitchen, R. Pickup, and C. Wirrell were responsible for the field collecting.

VII. REFERENCES

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

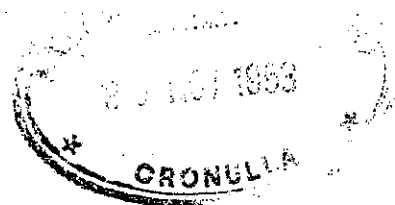


TABLE 1

System	Station No.	Distance from Mouth (miles)	Location
Queensland	1	0	Off Balaclava Island
Fitzroy River	1a	3½	West end of Low Island
	2	7½	Off Botany Point
	3	12½	Humbbug Reach
	4	18½	Lower Flats
	5	24	Upper Flats
	6	30½	Rockhampton
	7	37½	Picnic Point
	8	42½	Laurel Flat
	9	58½	Deep Creek
	10	63½	North Yamba-Counter's Farm
Mary River	1	0	Off North Road Heads
	2	3½	Off Power Islands
	3	7	Off Beaver Rock
	4	9½	Lower Rocky
	5	13	Lower Dundaphu
	6	16	Off Walkers Point
	7	19½	2 miles below Maryborough
	8	21½	Fisheries Wharf, Maryborough
	9	26½	Upper Road Bridge, Maryborough
	10	47½	Mary River at Tiaro
	11	92½	Mary River at Gympie
Gladstone	1	—	Off Catacombe Point
Harbour	2	—	Off South Tree Point
	3	—	Off main wharf
	4	—	Off Six-mile Island
	5	—	Mouth Grahams Creek
	6	—	Calliope River Bridge
	7	—	Boyne River Bridge
	8	—	Boyne River Road Bridge
Sandy Island	1	2½	Junction Beacon
Strait	2	7½	Off Deep Creek
	3	12½	Off Boonlye Point
	4	16½	Off mouth of Figtree Creek
	5	21½	Fairway Buoy
	6	22½	Off Snapper Creek
	7	25½	Off mouth of Carlo Creek
	8	29½	South end of Pelican Bank
Moreton Island	1	—	North end of Lagoon
Lagoon	2	—	South end of Lagoon
New South Wales			
Maianbar-Port	1	—	Channel entrance
Hacking	2	—	Middle of flat
	3	—	North end of basin
	4	—	South end of basin

Location: FITZROY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1950 17- 18.vi	1	S	19.00	16.40			8.06	17-5	26
		D	19.10	18.03			8.13	12-10	69
	1a	S	18.50	9.22			7.92	48	268
		D	18.50	11.19			7.92	48	204
	2	S	18.70	7.37			7.53	52-0	469
		D	18.50	8.19			7.80	46-13	345
	3	S	18.60	2.09			8.10	55	80
		D	18.70	3.18			7.21	65	
	4	S	18.20	0.04			7.61	65-20	255
		D	18.20	0.04			7.70	72-0	381
	5	S	18.30	0.04			7.50	80	267
		D	18.30	0.03			8.07	80	352
	6	S	18.00	0.05			8.06	97-43	315
		S	19.50	0.17				129	204
	8	S	19.00	0.02				123-0	377
		S	18.00	0.03				109	345
	10	S	17.50	0.03				124-0	295
17.x	1	S	24.60	18.34	5.72	114		12-3	58
		D	24.10	18.99	4.22	84		8-5	26
	2	S	24.30	7.50	4.92	87		60-2	379
		D	24.35	11.83	4.96	92		49-0	440
	3	S	24.60	0.94	4.70	78		78	317
		D	24.30	1.76	4.57	76		73	444
	4	S	24.50	0.05	4.30	70		76-0	294
		D	25.60	0.06	4.44	74		71-0	289
	5	S	24.60	0.06	4.22	69		72	476
		D	25.20	0.05	4.14	69		50	393
	6	S	24.30	0.05	3.96	65		70-27	519
		S	25.60	0.27	4.70	79		54	234
	8	S	24.60	0.07	4.66	77		72-0	422
		S	24.80	0.08	4.30	71		80	476
	10	S	24.40	0.06	4.20	69		69-0	529

Location: FITZROY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 8- 9.1	1	S	26.60	16.93	3.42	69		41-15	190
		D	26.50	17.50	3.80	77		35-12	202
	2	S	26.70	11.95	3.54	68		68	375
		D	26.80	12.07	2.92	56		66-17	355
	3	S	27.10	10.61	3.46	66		69	314
		D	27.00		2.62				
	4	S	27.20	2.95	3.58	63		96-12	555
		D	27.00	3.11	2.74	48		92-10	545
	5	S	27.40	0.15	3.04	52		124-0	540
		D	27.15	0.16	2.82	48		115-16	505
	6	S	28.20	0.05	4.05	71		99-14	220
	7	S	28.50	0.04	3.80	66		99	285
	8	S	28.70	0.04	4.05	71		91-26	153
	9	S	29.30	0.04	3.84	68		80	69
	10	S	28.70	0.06	3.90	68		76-21	27
26- 27.1v	1	S	23.30	18.70	4.60	90	7.99	29	51
		D	23.30	19.02	4.33	85	7.89	24	185
	1a	S	23.30	16.81	4.32	83	7.81	36	140
		D	23.30	17.33	4.35	84		34	148
	2	S	23.70	15.90	4.00	76	7.80	46-0	245
		D	23.80	16.03			7.80	43-1	285
	3	S	23.70	11.81	4.32	79	7.87	56	370
		D	23.80	13.43	4.25	79	7.63	48	320
	4	S	24.10	3.85	4.53	77	7.96	78-0	300
		D	23.80	3.85	4.67	79	7.80	71-18	330
	5	S	24.60	1.23	4.06	68	7.77	87	325
		D	24.30	1.23			7.78	97	320
	6	S	24.90	0.26			8.04	88-0	290
	10	S	25.20	0.19	4.00	67	8.21	37-9	3

Location: FITZROY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 25- 26. vii	1	S	16.40	19.57	5.35	94	8.02	44-3	31
		D	16.25	19.66	5.34	94	8.06	25-10	37
	2	S	16.23	18.57	5.20	90	8.01	36-13	143
		D	16.05	18.61	5.20	90	7.94	31-57	196
	3	S	16.80	13.99	5.50	92	7.96	34	290
		D	16.40	16.51	5.05	86	7.92	52	253
	4	S	17.00	7.51	5.54	86	7.89	63-0	466
		D	16.90	7.73	5.32	83	7.85	73-19	486
	5	S	17.20	5.03	5.30	81	7.82	79	514
		D	17.10	5.20			7.82	109	507
	6	S	17.30	1.87	5.32	78		91-13	489
		S	19.40	0.33	6.42	97		77	69
	8	S	20.60	0.11	6.40	98		69-18	28
		S	19.00	0.09	6.72	100		50	3
	10	S	17.30	0.12	6.60	96		36-20	4
	1	S	23.80	20.14	4.76	95	8.05	30-0	29
		D	23.80	20.23	4.46	89	8.02	22-3	75
	1a	S	24.10	20.77	4.47	91		34	39
		D	24.00	20.85	4.45	90		31	36
	2	S	24.40	19.66	3.55	71		36-0	161
		D	24.35	19.76	3.74	75		40-3	169
	3	S	24.60	19.42	4.37	88		42	186
		D	24.60	19.44	4.43	89		40	182
	4	S	24.60	16.60	4.25	83		50-6	272
		D	23.90	16.75	4.25	82		53	167
	5	S	24.10	12.05	3.90	72		75	331
		D	23.95	12.27	4.36	80		66	259
	6	S	23.50	6.17	4.36	75		91-11	492
		S	24.90		4.05			32-70	109
	8	S	24.40	2.40	5.10	85		98	223
		S	25.80	0.34	5.30	88		101	58
	10	S	25.70	0.27	4.70	79		35-2	61

Location: GLADSTONE HARBOUR

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1950									
15- 19.vi	1	S	19.50	19.28			8.16	13-1	0
		D	19.40	19.25				13-0	0
	2	S	19.10	18.81			8.11	13	0
		D	19.10	18.88			8.13	14	0
	3	S	19.00	18.49			8.06	19-0	0
		D	19.00	18.52			8.06	15-0	0
	4	S	18.80	18.32			8.00	12	6
		D	18.80	18.26			8.06	16	0
	5	S	18.50	17.78			8.18	3-9	2
		D	18.70	18.00			7.87	3-12	0
	6	S	19.90	1.30			7.92	3-32	37
	7	S	17.70	17.88				12	0
	8	S	19.50	0.31				29-3	35
13- 18.x	1	S	23.60	19.30	4.55	90		7-5	0
		D	24.10	19.34	4.93	99		9-5	0
	2	S	24.00	18.67	4.66	92		9	0
		D	23.80	18.97	4.84	96		15	0
	3	S	24.40	18.56	4.68	93		9-10	0
		D	24.35	18.61	4.60	91		11-8	0
	4	S	24.30		4.55				
		D	24.40	18.78	4.95	99		14	21
	5	S	24.40	18.78	4.42	88		10-11	0
		D	24.40	18.79	4.24	85		8-13	0
	6	S	30.00	2.39	4.94	90		53-9	0
	7	S	25.00	18.94	4.86	98		18	10
	8	S	22.90	1.23	5.72	92		41-7	97

Location: GLADSTONE HARBOUR

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 7.1	1	S	26.60	19.34	4.50	94		5	6
		D	26.40	18.41	4.15	85		9	16
	2	S	26.50	19.20	4.42	92		7	0
		D	26.40		4.52				
	3	S	27.70	18.51	2.38	50		10-5	14
		D	27.70	18.48	4.30	90		10-0	3
	4	S	26.90	18.81	3.84	80		11	11
		D	26.60		4.42				
	5	S	27.60	18.28	4.25	102		11	9
		D	28.00	18.54	4.25	90		12	4
	6	S	31.00	6.45	4.75	92		23-1	4
	7	S	26.00	11.53	3.74	71		15	25
	8	S	26.20	0.15	4.40	74		37	85
15.1 28- 29.iv	1	S	23.80	19.77	4.78	95	7.88	3-10	3
		D	23.80	19.78	4.80	96		10-4	0
	2	S	23.70	19.63	4.47	89		5-13	2
		D	23.70	19.65	4.44	89	8.08	5-11	12
	3	S	23.70	19.55	4.64	92		5-11	7
		D	23.70	19.57	4.47	89	8.01	6-9	14
	4	S	24.10	19.53	4.55	91	7.94	6-10	5
		D	24.00	19.65	4.50	90	7.78	4-16	6
	5	S	24.00	19.55	4.53	90	7.91	3-17	0
		D	23.90	19.64	4.50	90	7.93	7-7	5
	7	S	23.90	19.93	4.66	93	7.75	12	0
	8	S	24.80	0.62	7.70	127	8.37	11-4	7
27- 28.vii	1	S	17.50	20.07	5.54	100	8.14	3-9	0
		D	17.40	20.07	5.50	99	8.12	0-10	0
	2	S	17.50	20.17	5.55	100	8.07	4	0
		D	17.30	20.18	5.52	99	8.09	2	0
	3	S	17.40	20.26	5.50	99	8.10	5-13	0
		D	17.20	20.26	5.50	99	8.10	3-10	0
	4	S	17.00	20.49	5.45	98	7.98	3	0
		D	17.00	20.48	5.45	98	8.00	3	0
	5	S	17.00	20.41	5.40	97	7.95	3-14	0
		D	16.90	20.55	5.40	97	8.02	5-11	0

Location: GLADSTONE HARBOUR

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
27-	6	S	21.30	4.30	8.95	14.5		11-9	0
28.vii	7	S	18.30	20.56	5.50	101		9	3
	8	S	20.70	2.21	7.65	120		6-11	5
2-	1	S	23.10	20.12	4.62	92	8.10	8-5	0
3.xi		D	23.00	20.12	4.22	84	8.10	9-0	0
	2	S	23.50	20.21	4.15	83	8.06	6	4
		D	23.45	20.27			8.09	5	0
	3	S	23.70	20.45	5.10	103	8.04	5-11	10
		D	23.65	20.44	4.50	90	8.08	6-7	0
	4	S	24.40	20.79	4.28	88	7.98	18	0
		D	24.40	20.80	4.20	86	7.96	15	0
	5	S	24.40	20.93	5.02	103	7.97	17-0	0
		D	24.40	21.03	4.62	95	7.92	14-2	0
	6	S	26.60	14.21	4.42	87		32	100
	7	S	27.30	20.79	4.14	89	7.96	11	4
	8	S	28.40	10.14	4.80	93		14-9	8

Location: MARY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1950 20- 21.vi	1	S	18.10	17.31			8.14	6	0
		D	18.20	17.83				6	0
	2	S	17.90	12.25				13-0	30
		D	17.90	12.86				12-1	25
	3	S	17.60	6.65			7.84	11	64
		D	17.70	6.82				9	52
	4	S	17.60	1.49				18-1	188
		D	17.60	1.75				19-0	234
	5	S	17.30	0.17			7.07	29	277
		D	17.40	0.17				28	277
	6	S	17.10	0.15				30-2	282
		D	17.20	0.15				33-4	292
	7	S	17.00	0.15			7.11	20	250
		D	17.10	0.13				23	277
	8	S	17.10	0.15				28-0	288
		S	17.00	0.12				23	207
	10	S	15.50	0.13				17-0	235
	11	S	15.30	0.10				15-24	273
10- 11.x	1	S	22.30	19.05	4.64	90		7	0
		D	19.40	19.04	4.83	89		8	0
	2	S	22.60	18.26	4.61	89		9	0
		D	22.70	18.65	4.60	90		9-0	5
	3	S	22.90	15.80	4.65	87		34	6
		D	22.75	15.92	4.58	86		10	3
	4	S	22.90	11.70	4.60	83		18-2	24
		D	23.00	11.66	4.64	84		11-11	0
	5	S	23.00	5.42	4.66	84		15	35
		D	23.10	5.35	4.62	78		34	76
	6	S	23.00	1.78	4.52	73		22-4	30
		D	23.45	1.83	4.14	68		20-13	148
	7	S	23.20	0.40	4.00	64		35	169
		D	20.65	0.43	3.72	57		62	264
10- 11	8	S	23.70	0.15	4.37	70		33-0	551
	9	S	23.60	0.15	4.64	75		24	111
	10	S	23.40	0.15	4.42	71		20	803
	11	S	21.25	0.19	5.12	80		20-6	404

Location: MARY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
4-5.1	1	S	24.80	17.88	4.57	91		4	0
		D	25.00		4.80				
	2	S	25.50	14.32				10-3	8
		D	25.40	14.44	4.87	94		10-2	0
	3	S	25.40	10.16	4.75	88		12	5
		D	25.20		4.80				
	4	S	25.50	6.53	5.40	96		9	3
		D	25.50	6.91	5.13	92		13	3
	5	S	25.80	1.49	3.02	51		20	187
		D	25.80	1.54	4.14	70		18	182
	6	S	26.00	0.26	2.32	39		29-0	197
		D	25.80	0.26	1.94	33		33-0	235
	7	S	26.20	0.13	3.80	64		31-2	245
		D	26.00	0.11	3.54	60		36	280
	8	S	26.00	0.13	2.98	50		21-2	270
15.1	9	S	27.20	0.12	4.97	85		19	20
	10	S	28.30	0.14	5.20	91		15-9	11
	11	S	27.10	0.09	5.16	88		15-28	41
1-4.v	1	S	21.70	16.41	4.97	92	8.04	9	28
		D	21.70	16.76	5.08	95	8.05	6	12
	2	S	22.10	12.91	4.93	89	7.77	15-2	77
		D	22.10	12.92	4.98	90	7.92	13-5	74
	3	S	22.00	7.77	4.90	83	7.73	18	265
		D	22.00	7.63	4.64	79	7.55	18	220
	4	S	22.10	3.32	4.58	74	7.54	26-9	280
		D	22.05	4.31	4.67	77	7.96	24-11	270
	5	S	21.90	0.87	4.98	79	8.22	31	270
		D	22.00	0.90	3.84	61	7.13	33	315
	6	S	22.00	0.34	4.40	69	8.08	34-8	265
		D	22.00	0.32	4.70	74	8.16	34-9	260
	8	S	22.20	0.18	4.80	76	8.19	31-19	210
	9	S	21.10	0.15	5.80	90	8.21	15	38
	10	S	20.20	0.15	5.85	89	8.05	9-12	21
	11	S	18.20	0.10	5.06	74	8.29	11-10	13

Location: MARY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 29- 31. vii	1	S	17.80	17.98	5.86	103	8.08	4	0
		D	17.90	18.32	5.25	93	8.08	29	0
	2	S	17.90	16.59	5.78	101	8.09	14-6	0
		D	17.90	16.62	5.73	100	8.09	3-17	0
	3	S		13.24	6.06			7	2
		D	17.90	13.84	5.96	101	8.06		2
	4	S		10.96	6.10			14-7	6
		D	17.80	11.30	6.07	100	8.03	16-3	4
	5	S		7.03	6.80			14	4
		D	17.80	7.59	6.88	109	8.01	31	3
	6	S		5.21	7.50			11-3	2
		D	16.90	5.37	7.10	108		12-0	1
	7	S		2.93	7.48			14	6
		D	16.80	3.30	7.15	106		19	3
	8	S		2.46	7.12			12-14	5
		S		0.31	6.90			10	5
	10	S		0.17				10-7	2
		S		0.28	7.70	112		9-7	3
	11	S	17.80	0.28	7.70	112			
		S	17.80	0.28	7.70	112			
5- 7. xi	1	S	24.30	19.69	4.42	89	8.01	7	0
		D	24.30	19.78	4.46	90	8.01	11	0
	2	S	24.70	18.48	4.40	88	7.98	80-9	0
		D	24.80	18.90	4.08	82	7.97	11-5	0
	3	S	25.00	15.64	4.86	95	7.95	13	14
		D	24.90	15.65	4.80	93	7.96	13	2
	4	S	24.80	17.90	4.78	95		12-8	0
		D	24.60	18.14	4.55	90		12-5	0
	5	S	24.70	15.06	4.72	91		17	61
		D	24.40	15.46	4.70	90		17	55
	6	S	24.70	12.55	4.50	84		16-10	113
		D	24.70	12.56	4.37	82		21-0	112
	7	S	24.70	8.59	4.82	87		21	78
		D	24.60	8.65	4.46	80		20	231
	8	S		5.03				8-6	0
		S		5.23	5.60	98		9	3
	10	S	27.50	2.31	4.65	82		38-5	341
		S	26.40	0.28	4.58	78		19-9	172
	11	S	26.40	0.28	4.58	78			

Location: SANDY ISLAND STRAITS

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1950 20- 21. vi	1	S	18.30	18.74			8.17	4-0	0
		D	18.30	18.81				5-24	0
	2	S	18.30	18.11				6	0
		D	18.30	18.20				14	8
	3	S	18.30	18.01				5-12	0
		D	18.30	18.03				3-0	0
	4	S	18.00	17.90				5-0	0
		D	18.20	17.93				5-0	0
	5	S	17.90	17.84				3	0
		D	18.00	17.88				5	0
	6	S	17.90	16.64				0	0
		D	18.50	16.69				0	0
	7	S	18.00	17.14				7	15
		D	18.10	17.27				0-27	10
	8	S	19.90	18.44				6-1	6
		D	19.90	18.98				5-0	14
10- 11. x	1	S	22.90	19.19	4.80	94		5-3	0
		D	18.80	19.40	4.66	85			0
	2	S	22.50	18.61	4.66	90		6	4
		D	22.70	18.88	4.63	90		6	4
	3	S	22.50	18.75	4.72	91		3-17	0
		D	22.65	18.88	4.64	90		4-1	1
	4	S	22.45	18.88	4.72	91		0-7	0
		D	22.50	18.87	4.64	90		10-0	0
	5	S	22.60	18.80	4.62	89		23	0
		D	22.70	18.75	4.63	90		27	22
	6	S	22.50	17.18	4.57	87		3	0
		D	22.20	17.76	4.55	87		3	0
	7	S	22.60	17.70	4.56	87		1-3	0
		D	22.80	17.97	4.47	86		0-6	0
	8	S	22.00	19.01	4.88	94		3-6	0
		D	22.30	19.30	5.00	97		16-0	0

Location: SANDY ISLAND STRAITS

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 4.1	1	S	24.60	19.11	4.52	91		10	0
		D	24.40	19.18	4.63	93		3-8	4
	2	S	24.00	19.07	3.90	78		9	0
		D	23.80	19.07	4.73	94		9	0
	3	S	23.80	19.05	4.63	92		8-7	0
		D		19.06	4.65			6-9	4
	4	S	23.70	18.89	3.90	77		8-10	0
		D	23.30	18.95	3.68	72		8-10	10
	5	S	24.20	18.92	4.07	81		6	0
		D	24.00	18.96	2.70	54		7	0
	6	S		18.49	4.32			1	0
		D	23.80	18.54	4.60	91		7	4
	7	S	24.00	18.64	4.45	88		8-0	0
		D	24.00	18.71	4.68	93		4-9	0
	8	S	24.00	19.34	4.80	96		9-12	0
		D	24.00	19.34	4.80	96		10-10	0
	1	S	22.01	18.72	5.10	98	8.02	4-3	16
		D	22.01	19.17	4.98	96	8.10	0-4	0
	2	S	22.20	19.44	4.83	93	8.19	0	0
		D	22.20	19.43	5.26	102	8.11	0	0
	3	S	21.80	19.43	5.20	100	8.17	0-7	0
		D	21.80	19.43	5.40	104	8.09	0-7	0
	4	S	21.20	19.38	5.15	98	8.06	0-4	0
		D	21.10	19.37	5.07	96	8.08	3-1	0
	5	S	20.90	19.32	4.83	91	8.17	0	0
		D	20.80	19.34	4.60	87	8.16	3	0
	6	S	20.40	18.73	4.67	87	8.01	0-4	0
		D	20.60	18.80	4.77	89	8.14	6-0	0
	7	S	20.80	18.90	4.32	81	8.06	0	0
		D	20.80	18.88	4.53	85	8.08	2	0
	8	S	21.80	19.43	4.86	93	8.17	0-4	0
		D	21.80	19.45	4.68	90	8.19	0-4	0

Location: SANDY ISLAND STRAITS

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 29- 30. vii	1	S	17.50	19.28	5.75	103	8.14	12-0	0
		D	17.20	19.70	4.50	80	8.13	2-15	0
	2	S	17.20	19.78	5.50	98	8.20	2	0
		D	17.10	19.77	4.66	83	8.17	0	0
	3	S	17.80	19.79	5.92	106	8.19	3-8	0
		D	17.60	19.80	5.57	100	8.19	3-7	0
	4	S	17.40	19.77	5.42	97	8.19	7-1	0
		D	17.30	19.78	4.64	83	8.18	6-5	2
	5	S	17.80	19.83	5.43	98	8.17	5	0
		D	17.70	19.83	5.75	104	8.19	5	0
	6	S	17.00	19.06	5.20	92		5	2
		D	16.90	19.12	5.00	88		5	2
	7	S	17.00	19.25	5.30	94		6-5	0
		D	17.00	19.35	5.14	91		5-4	0
	8	S	18.00	19.83	5.28	96		11-4	0
		D	17.50	19.98	5.32	96		6-6	0
6- 7. xi	1	S	24.10	20.28	4.52	91	8.09	5-7	0
		D	24.00	20.32	4.62	93	8.14	4-10	0
	2	S	23.80	19.89	4.70	94		6	0
		D	23.80	20.02	3.97	80	7.99	68	472
	3	S	23.80	20.08	4.78	96	8.14	4-8	2
		D	23.40	20.08	4.60	92	8.14	4-9	0
	4	S	23.40	20.10	4.62	92	8.12	4-7	0
		D	23.50	20.06	4.57	91	8.11	4-11	0
	5	S	23.90	20.39	4.56	92	8.14	3	0
		D	24.15	20.15	4.50	91	8.14	3	0
	6	S	25.20	20.72	4.45	92	8.13	2	2
		D	25.10	20.76	4.38	90	8.13	2	2
	7	S	25.10	20.66	4.50	93	8.14	2-8	0
		D	25.00	20.69	4.55	94	8.15	2	6
	8	S	23.90	20.13	4.72	95	8.14	4-3	2
		D	23.90	20.15	4.78	96	8.16	6-3	0

Location: MORETON ISLAND LAGOON

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
8.iii	1	S	27.10	2.22	3.02	53		30-23	20
		D	28.70	2.20	3.58	64		38-28	7
	2	S	29.40	2.22	4.16	75		37-38	4
		D	29.40	2.21	4.28	78		38-24	4
3.iv	1	S	24.90	1.77	5.00	84		28-30	17
		D	22.60	1.79	4.06	66		34-26	13
	2	S	25.60	1.81	3.88	66		35-45	13
		D	23.80	1.78	5.28	87		29-27	14
16.iv	1	S	22.80	1.75	5.80	94		9-33	0
		D	22.80	1.74	3.06	50		14-107	3
	2	S	22.00	1.87	5.00	80		9-47	7
		D	22.00	1.74	4.66	74		10-46	20
26.iv	1	S	23.40	1.70	5.42	89	8.53	10-34	8
		D	21.90	1.70	4.94	79	8.42	10-60	5
	2	S	23.40	1.72	5.90	97	8.53	9-28	2
		D	22.40	1.71	5.04	81	8.44	12-46	0
24.v	1	S	20.00	1.85	5.28	82	8.55	3-41	5
26.v	1	S	19.60	1.75	5.88	90	8.53	3-22	0
		D	18.35	1.75	6.10	91	8.47	4-53	0
	2	S	19.50	1.75	5.40	83	8.54	3-25	0
		D	18.20	1.75	3.80	57	8.51	9-54	0
12.vi	1	S	19.80	1.66	6.40	99	8.53	3-54	5
		D	18.20	1.68	1.95	29	8.26	5-117	2
	2	S	19.95	1.66	6.25	97	8.61	5-46	5
		D	20.10	1.66	4.92	76	8.53	8-113	4
29.vi	1	S	15.70	1.66	6.30	90	8.61	4-62	6
		D	15.70	1.64	6.40	91	8.58	4-57	6
	2	S	15.80	1.67	6.07	87	8.62	4-56	4
		D	15.60	1.67	5.98	85	8.57	4-57	6

Location: MORETON ISLAND LAGOON

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
19.vii	1	S	16.40	1.67	6.46	93	8.45	10-34	5
		D	16.30	1.67	6.06	87	8.38	7-31	7
	2	S	15.40	1.65	6.23	88	8.41	7-45	11
		D	15.90	1.66	6.44	92	8.26	7-44	9
7.viii	1	S	17.00	1.69	6.70	98	8.59	8-53	0
		D	16.10	1.68	6.10	88	8.60	7-51	0
	2	S	17.90	1.66	6.85	102	8.58	6-53	0
		D	16.90	1.69	3.45	50	8.51	7-105	0
21.viii	1	S	16.10	1.84	6.16	89	8.57	3-55	7
		D	16.10	1.83	6.53	94	8.53	3-14	4
	2	S	16.10	1.84	6.70	96	8.49	3-48	3
		D	15.10	1.75	6.00	85	8.54	3-67	2
26.ix	1	S	22.25	1.81	5.08	82		40-20	0
		D	19.30	1.83	5.15	79		38-18	0
	2	S	21.40	1.85	4.90	78		40-17	0
		D	20.90	1.83	5.03	79		37-34	0
11.x	1	S	18.20	1.84	5.82	87		24-32	0
		D	18.30	1.83	3.50	52	8.78	25-31	0
	2	S	18.30	2.00	5.42	81	8.68	30-39	0
		D	18.20	1.83	5.32	80	8.68	20-49	0
14.xi	1	S	24.30	2.00	0.00		9.53	10-69	0
		D	23.50	2.00	0.00		9.17	62-109	433
	2	S	27.90	2.01	0.00		9.66	18-86	287
		D	25.20	2.01	0.00		9.17	19-72	433
26.xi	1	S	25.40	2.08	0.00		9.30	76	0
		D	25.40	2.12	0.00		9.30	14-86	0
	2	S	27.60	2.20	0.00		9.30	11-84	0
		D	25.60	2.10	0.00		9.24	13-123	0
20.xii	1	S	27.70	2.22	3.34	59	8.71	40-34	524
		D	26.40	2.19	7.00	121	8.60	47-13	552
	2	S	28.40	2.19	3.58	64	8.64	51-18	532
		D	27.90	2.19	0.00		8.22	15-19	593

Location: MORETON BAY - BRISBANE RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 6.11	1	S	24.40	14.78	4.38	84		14-0	19
		D	24.00	14.88	4.27	81		12-14	87
	1a	S	24.40	9.24	3.96	71		11-7	110
	2	S	24.40	14.74	5.15	98		10-7	7
		D	23.00	17.32	4.70	90		12-0	8
	1	S	22.70	17.10	4.70	89	8.06	4-5	0
		D	22.20	17.27	4.77	90	8.07	6-3	
	1a	S	22.10	15.42	4.30	80	7.92	3-6	0
	2	S	22.70	17.78	4.92	94	8.10	5-3	0
		D	22.60	17.88			8.10	9-2	0
28.v	1	S	18.50	18.30	5.55	100	8.14		2
		D	18.50	18.30	5.46	98	8.16		3
	1a	S	17.90	17.64	5.60	99	8.05		0
	2	S	18.70	5.79	5.50	87	7.96		0
		D	19.30	18.61	5.27	96	8.19		2
5.vi	2a	S	19.40	17.99	5.78	105	8.07	8-5	4
		D	16.40	17.81	5.73	99	8.03	7-8	15
	3	S	17.70	15.88	4.82	83	8.83	23-17	87
	4	S	18.30	10.34	3.80	62	8.43	34-24	215
	5	S	17.30	1.40	5.80	85	8.08	32-16	180
2- 4.vii	1	S	15.10	18.76	5.92	101	8.10	4-12	4
		D	15.00	18.81	5.92	101	8.08	4-2	0
	1a	S	15.00	18.67	6.06	110	8.04	4-5	0
	2a	S	13.60	18.04	6.17	101	8.08	11-8	4
	3	S	16.50	15.79			7.98	22-8	84
	4	S	16.70	10.92			7.87	20-8	143
	5	S	15.50	1.43			8.30	17-2	2
6.viii	3	S	16.00	17.88	4.80	82	7.94	27-12	31
	4	S	16.80	12.21	4.10	67	7.81	25-12	57
	5	S	15.45	3.68	6.53	95	8.47	8-19	82
		D	15.46	3.80	6.65	97	8.55	8-36	4

Location: MORETON BAY - BRISBANE RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 27- 31. viii	1	S	16.90	19.68	5.86	104	8.17	6-7	0
		D	16.90	19.64	6.70	119	8.16	0-19	0
	1a	S	17.50	19.95	5.35	96	7.98	3-8	0
		S	16.00	18.68			8.10	13-8	0
	2	D	15.30	19.33	7.10	122	8.15	27-7	5
		S	16.10	15.49	5.56	93	7.91	27-2	48
	3	D	15.50	18.81	5.55	95	8.09	23-0	4
		S	14.90	13.58			7.91	21-7	46
	4	D	15.20	14.89			7.98	31-1	79
		S	15.80	8.35	6.43	99	8.25	8-11	4
	5	D	15.80	8.69	7.30	112	8.23	9-23	19
		S	23.50	19.74	4.15	82	8.10	7-9	
	1a	D	23.50	19.73	4.42	88	7.98	6-9	
		S	26.00	18.60	5.23	107	8.07	21-0	
22. x	2a	S	23.40	19.87	4.07	81	8.05	17-12	
		S	23.00	20.03	3.40	67	7.81	14-48	

Location: DUNWICH OYSTER LEASE

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
8.1	1	S	26.20	19.28	4.90	101		6-7	48
12.1	1	S	25.62	19.29	4.80	98		10-2	28
15.1	1	S	19.50	19.35	5.90	109		4-7	34
22.1	1	S	26.60	19.22	5.00	104		2-12	16
31.1	1	S	22.60	16.83	5.20	98		8-9	0
2.11	1	S	23.50	15.30	5.84	110		8-8	
9.11	1	S	25.10	16.70	5.73	113		3-8	0
12.11	1	S	24.40	17.20	5.34	105		5-8	0
16.11	1	S	24.00	16.80	5.36	104		4-8	0
22.11	1	S	25.70	18.64	4.95	101			
26.11	1	S		18.31	4.93			6	0
5.111	1	S	27.80	18.67				0-14	0
8.111	1	S	27.70	18.42				0-16	0
28.111	1	S	25.20	18.78	5.60	113		4-10	0
2.1v	1	S	23.50	18.95	5.15	101		4-7	7
9.1v	1	S	23.20	18.65	5.43	106		10-5	0
16.1v	1	S	22.80	18.26	5.03	97		0-10	0
27.1v	1	S	21.40	18.49	5.35	101		7-10	3
3.v	1	S		18.70	5.97			0-11	0

Location: DUNWICH OYSTER LEASE

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
21.v	1	S	19.80	18.88	5.35	99		10-1	0
24.v	1	S	20.60		5.63		8.26		0
4.vi	1	S	18.00	18.78				4-9	
8.vi	1	S	18.00	18.97	5.60	101			4
18.vi	1	S	18.40	18.73	5.73	103		4-0	0
22.vi	1	S	16.80	18.70	6.08	107		6-4	
28.vi	1	S	16.90	19.00	6.20	109			4
11.vii	1	S	15.70	19.00	6.10	106		3-13	0
20.vii	1	S	15.70	19.39	5.96	103	8.22	6-12	0
23.vii	1	S	14.70	19.41	6.23	106			0
24.vii	1	S		19.36					0
1.viii	1	S	17.30	19.36	5.86	104		1-11	0
14.viii	1	S	14.30	19.53	5.69	97	8.23	2-13	0
22.viii	1	S	15.20	19.41	6.16	106		0-7	0
24.viii	1	S	14.80	19.47	5.95	102		7-16	0
5.ix	1	S	19.40	19.57	5.34	99		0-15	0
10.ix	1	S	17.10	19.50	5.52	98		0-12	0
21.ix	1	S	21.25	19.71	5.45	104		3-9	0
9.x	1	S	17.90	19.28	5.10	92		6-4	0

Location: **DUNWICH OYSTER LEASE**

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
22. x	1	S	23.80	19.72	5.12	102		9-8	
1. xi	1	S	21.30	19.76				10-4	
15. xi	1	S	23.70	19.87	4.75	95		7-7	0
23. xi	1	S	25.10	19.94	4.65	95		0-13	0
4. xii	1	S	23.30	20.00	4.45	88			0
24. xii	1	S	25.50	20.08	5.08	105	8.23	5-8	0

Location: SOUTH DUNWICH OYSTER LEASE

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
30.i	1	S		15.89				8-9	
2.iii	1	S		18.32	5.42			2	0
3.iv	1	S		18.30	6.76			6-12	0
3.v	1	S		18.60	6.07			0-14	2
21.v	1	S		16.87				9-1	0
22.vi	1	S		18.95				6-0	0
20.vii	1	S	14.90	18.25	7.32	124	8.24		0
24.viii	1	S	16.10	19.28	5.76	101		8-0	0
9.x	1	S	19.40	19.19	5.90	109		4-7	0
24.xi	1	S	25.10	19.96				3-10	0
24.xii	1	S	24.60	20.13	4.80	98	8.19	6-5	0

Location: MORETON BAY - LOGAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
1- 2.11	1	S	23.60	17.79	5.18	101		9-0	4
		D	23.15	18.51	5.13	100		7-0	5
	2	S	22.80	11.97	5.16	93		17-5	11
		D	22.20	16.65	5.00	94		12-8	3
	2a	S	23.20	12.66	5.20	95		15-5	21
		D	23.15	16.97	4.90	94		10-5	2
	3	S	23.80	11.34	4.64	85		22-4	10
		D	22.40	13.90	4.65	85		19-39	6
	4	S	24.60	3.80	4.30	73		31-2	47
		S	23.30	0.22	3.56	57		51-19	78
6.11	8	S	26.00	0.21	5.00	84		46-1	88
	9	S	24.60	0.17	4.42	73		50-0	103
2- 3.111	3	S	26.30	17.33	4.75	96		6-12	0
		D	26.40	17.63	4.60	94		5-6	0
	4	S	26.40	16.51	4.63	93		9-6	0
		S	26.40	12.54	4.50	87		24-6	0
	5	S	28.30	3.09	5.10	92		51-6	0
	6a	S	27.80	0.14	4.40	76		54-14	0
	7a	S	25.70	0.11	4.85	81		54-5	7
		D	25.55	1.00	4.90	82		61-5	8
	8	S	28.20	0.21	4.98	87		71-9	4
		D		0.21	4.60			69-9	0
8.111	1	S	27.70	17.47	5.42	113		0-6	0
		D	27.30	17.50	5.60	116		3-10	0
2.1v	1	S	24.70	19.31	5.10	103		3-7	0
		D	24.60	19.32	5.06	102		4-7	0
4- 5.1v	3	S	23.90	18.13	4.95	97		8-3	0
		D	23.70	18.50	4.86	95		8-1	6
	4	S	24.20	16.70	4.87	95		16-1	42
		S	23.90	10.54	4.87	88		28-3	36
	5	D	24.30	10.54	4.92	90		39-4	35

Location: MORETON BAY - LOGAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
4-5.vi	6	S	24.10	2.30	4.74	79		45-7	87
		D	24.00	2.04	5.20	86		44-0	93
	6a	S	22.60	0.07	4.24	67		52-6	6
		D	22.50	0.08	4.00	63		52-65	6
	7a	S	21.80	0.07	5.90	93		50-28	14
		D	21.80	0.07	5.80	91		75-31	23
8.v	2	S	21.50	18.60	5.32	101	8.21	4-4	0
		D	21.40	18.64			8.21	4-6	0
	2a	S	21.40	18.58	5.33	101	8.12	4-13	0
		D	21.50	18.58	5.38	102		4-12	0
	3	S	21.40	18.58	5.35	101	8.19	3-4	0
		D	21.20	18.62	5.25	99	8.24	3-10	0
	4	S	21.40	18.35	5.39	102	8.22	5-11	0
	5	S	20.90	16.25	5.09	93	8.07	15-12	0
11.v	6	S	18.60	2.94	5.30	81		39	0
	8	S	18.20	0.29	6.40	94		61-0	0
		D	18.30	0.31	6.20	91		41-15	3
6.vi	8	S	16.40	0.34	6.56	94	8.43	34-17	10
	9	S	14.90	0.31	6.20	86	8.20	50-7	45
14.vi	1	S	19.40	18.48	5.45	100	8.25	5-9	
		D	19.70	18.74	5.46	101	8.24	5-11	
29.vi	1	S	17.20	19.10	5.60	99	8.29	3-8	0
		D	16.60	19.21	5.83	102	8.26	1-9	0
2-3.vii	2	S	16.40	19.02	5.80	101		4-0	0
		D	16.00	19.06	5.72	99	8.22	4-0	0
	3	S	15.80	18.88	5.92	102	8.26	5-0	0
		D	15.70	18.91	5.78	100	8.27	11-30	3
	4	S	15.80	17.85	5.94	101	8.15	7-0	0
	5	S	15.60	15.90	5.92	99	8.19	16-0	8
	6	S	15.60	8.58	6.10	94	7.80	15-22	60
	6a	S	14.50	0.11	4.95	68	7.75	61-8	3
		D	17.10	0.25	7.50	108	8.13	57-0	40
	8	S	14.70	0.73	6.64	92	8.00	55-5	92

Location: MORETON BAY - LOGAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 17- 19.vii	1	S	16.00	19.11	5.98	104	8.17	4-8	0
		D	16.70	19.19	6.05	107	8.18	5-12	0
	2	S	16.30	19.11	5.66	99	8.18	9-8	0
		D	16.30	19.15	6.43	112	7.90	8-6	0
	2a	S	15.00	19.15	5.80	99	8.22	10-1	0
	3	S	16.50	19.11	5.70	100	8.24	3-8	3
		D	16.45	19.11	5.56	97	8.21	7-21	12
	4	S	16.70	19.10	5.70	100	8.26	6-7	0
	5	S	17.30	14.85	5.66	96	8.10	18-6	8
	6	S	15.70	9.48	5.90	109	7.87	28-8	17
	6a	S	14.80	0.17	5.50	76	7.91	55-19	9
	7a	S	14.40	0.12	7.53	103	8.32	50-0	5
		D	14.70	0.27	7.35	101	8.32	50-0	33
	8	S	15.40	1.43	6.60	93	8.17	31-15	8
		D	14.97	1.42	5.90	83	8.10	37-11	12
14- 18.viii	1	S	18.40	19.74	5.54	101	8.23	2-17	0
		D	17.40	19.67	5.60	100	8.22	4-13	0
	2	S	15.30	19.44			8.13	6	0
		D	15.30	19.46	5.82	100	8.17	5-11	0
	2a	S	15.20	19.37	5.35	92	8.21	5-14	0
		D	15.30	19.44	6.00	103	8.22	5-6	0
	3	S	15.30	19.51	6.20	107	8.24	3-13	0
		D	15.30	19.49	6.15	106	8.24	5-8	0
	4	S	15.30	19.54	6.70	116	8.17	7-8	0
	5	S	14.70	17.14	6.06	101	8.00	17-10	0
		D	14.60	17.16	6.00	100	8.07	14-15	0
	6	S	14.60	11.47	5.90	92	7.99	26-27	0
		D	14.50	11.68	6.17	96	7.93	31-16	0
	6a	S	13.90	2.49	4.37	61	7.84	45-9	0
		D	14.00	2.64	3.70	52	7.72	47-28	0
	7a	S	12.00	0.28	8.50	112	8.46	41-11	0
		D	10.80	0.15	8.08	103	8.44	44-12	0

Location: MORETON BAY - LOGAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
11- 13. ix	1	S	19.50	19.64	5.25	98	8.19	3	0
		D	19.30	19.64	5.66	105	8.19	0-15	0
	3	S	18.40	19.72	4.45	81	8.23	11-2	0
		D	18.40	19.70			8.20	15-1	8
	4	S	19.30	19.57	4.93	91	8.09	20-0	16
	5	S	19.30	17.32	4.47	81	8.02	24-3	9
		D	19.50	17.78	4.70	86	8.10	24-2	8
	8	S	18.00	2.88	6.40	97	8.24	49	26
		D	18.00	2.90	6.43	97	8.16	56	67
	9	S		0.36	7.45		8.47	61-3	11
26. ix	1	S	19.30	19.74	5.32	99			0
		D	18.90		5.80				
11- 16. x	1	S	18.80	19.59	5.10	94	8.13	2-49	0
		D	18.70	19.59			8.20	1-16	0
	2	S	18.70	19.60	5.28	97	8.20	3-20	0
		D	18.70	19.59	5.30	97	8.16	2-13	0
	2a	S	21.90	19.71	5.10	98	8.12	2-11	0
		D	21.90	19.70	5.03	97	8.12	0-13	28
	3	S	21.50	19.71	5.15	99	8.11	0-16	0
		D	21.40	19.71	5.30	102	8.12	9-8	9
	4	S	22.20	19.71	4.40	85	8.10	4-15	0
	5	S	22.00	19.41	4.82	93	8.05	13-10	17
		D	21.95	19.35	4.67	90	8.06	15-11	0
	6	S	22.10	15.18	4.88	90	7.82	36-10	
	6a	S	22.60	4.87	3.30	55	7.59	36-31	67
		D	22.10	5.18	2.77	46	7.61	35-32	122
	8	S	22.10	8.03	4.85	83	7.81	48-5	138
		D	22.00	8.56			7.79	54-4	66
	9	S	25.40	0.55	5.72	96	8.41	70-6	64
14- 22. xi	1	S	24.00	19.87	5.85	117		9-12	0
		D	23.40	19.96	4.68	93		9-5	0
	3	S	24.70	20.14	4.45	91		13-2	0
		D	24.30	20.23	4.20	85		9-6	0
	4	S	24.40	20.28	4.53	92		7-12	0

Location: MORETON BAY - LOGAN RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
14-22.xi	5	S	24.90	18.66	4.84	97		14-10	0
		D	24.40	19.82	4.70	95		14-18	0
	6	S	25.20	12.65	4.42	83		29-8	0
		D	24.80	14.88	4.24	82		29-3	0
	6a	S	25.60	4.75	3.42	59	8.17	21-28	0
		D	25.40	6.44			8.20	52-8	0
	7a	S	27.00	0.34	5.20	89		74-21	0
		D	25.40	0.18	5.10	85		84-19	0
13-24.xii	1	S	26.60	19.96	5.06	106	8.16	8-2	0
		D	26.30	19.93	4.86	101	8.16	6-5	0
	2	S	24.50	20.20	4.56	93	8.19	3-8	0
		D	24.40	20.20	4.42	90	8.21	7-4	1
	2a	S	25.00	20.33	5.85	120	8.21	10-1	0
		D	25.00	20.31	4.30	88	8.18	6-9	
	3	S	25.20	20.11			8.05	11-0	2
		D	25.20	20.19	3.58	74	8.06	17-17	0
	4	S	25.50	20.38	4.38	91	8.06	11-5	9
	5	S	25.70	20.35	4.10	85	7.96	15-6	0
		D	25.40	20.46	5.06	105	8.02	22-0	0

Location: NERANG AND COOMERA RIVERS

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
6.11	1	S	24.90	9.31	4.32	78		15-3	23
	2	S	24.40	0.15	5.62	92		12-3	23
	3	S	24.30	4.49	3.53	60		6-25	9
	4	S	27.30	0.11	5.70	98		12-16	9
11.v	1	S	19.80	16.18				10	2
	2	S	18.40	0.11	6.90	102		8	0
	3	S	16.30	15.28	4.37	73		11	0
	4	S	18.70	5.19	5.80	91		14-10	0
24.x	1	S	26.70	18.59	4.77	99	7.97	22	
	2	S	27.60	8.61	4.70	89	7.38	11-12	
	3	S	29.30	21.63	3.94	89	7.81	19-11	
	4	S	26.40	12.78	4.78	92	7.80	21-24	

Location: RICHMOND RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 1- 2.1x	1	S	19.60	19.26	5.31	99	8.15	9-8	38
	2	S	18.60	18.09	5.28	95	8.12	14-13	67
	3	S	18.50	16.38	5.32	94	8.04	25-2	32
	4	S	20.20	13.41	5.58	98	8.01	19-14	5
	5	S	17.80	8.10	5.69	93	7.82	12-11	4
	6	S	16.80	4.91	5.63	85	7.61	10-8	20
	7	S	15.70	0.09	6.83	96	8.31	0-11	47
		D	15.80	0.11	7.04	99	8.27	0-15	58
	8	S	16.00	0.10	6.86	97	8.30	3-17	29
		D	15.50	0.11	6.75	94	8.28	0-17	38
	9	S	16.00	0.10	6.34	90	8.04	33-12	9
27- 29.x	10	S	15.70	0.14	6.72	95	8.20	34-14	46
	11	S	13.50	0.08	6.38	86	8.07	32-5	86
	1	S	22.80	14.00	4.92	91		23-5	9
	2	S	22.30	8.33	5.02	86		34-5	63
	3	S	22.20	11.08	4.90	87		41-0	92
	4	S	22.60	4.86	5.03	83		42-5	263
	5	S	21.80	0.14	3.80	60		44-14	148
		D	21.90	0.16	4.15	65		56-17	205
	6	S	21.70	0.06	4.91	77		51-14	250
	7	S	21.90	0.08	4.35	68		50-33	165
		D	21.70	0.08	4.62	72		52-17	207
	8	S	22.20	0.08	4.76	75		56-15	225
		D	22.10	0.08	4.85	76		55-62	214
	9	S	22.40	0.10	5.36	85		81-1	128
	10	S	23.10	0.10	5.43	87		76-22	73
	11	S	20.80	0.34	5.23	81		77-21	154

Location: CLARENCE RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 22.1	1	S	25.00	16.35	4.92	96		4-16	10
	2	S	25.70	5.70	5.18	92		10-15	18
	3	S	25.70	0.04	4.46	75		15-14	111
	4	S	25.60	0.04	4.53	76		11-15	204
	5	S	24.20	0.04	4.36	71		12-7	123
		D	24.20	0.04	3.24	53		13-15	98
	5a	S	24.20	0.04	4.70	77		2-24	88
	6	S	23.50	0.04	4.70	76		4-22	78
		D	23.40	0.04	4.37	70		9-18	239
	7	S	23.70	0.04	4.55	74		8-17	191
		D	23.10	0.04	4.72	76		7-24	145
	8	S	24.60	0.04	5.01	82		6-19	101
30- 31. viii	9	S	23.70	0.04	5.02	81		8-21	156
		D	23.40	0.04	4.85	78		25-5	109
	9a	S	23.90	0.04	5.03	81		10-19	164
	10	S	24.60	0.04	4.85	80		10-18	165
	12	S	24.40	0.04	5.30	87		4-19	84
	1	S	18.30	15.57	5.48	95	8.10	2-14	0
	2	S	18.20	15.01	5.42	94	7.93	4-13	7
	3	S	17.00	8.12	5.75	90	7.77	2-18	0
	4	S	17.00	5.34	5.91	90	7.95	5-8	5
	5	S	15.70	2.38	6.37	95	7.74	0-17	10
		D	15.60	2.61	6.26	90	7.71	2-15	5
	5a	S	16.90	3.59	6.19	92	7.66	4-15	0
3. ix	6	S	16.70	2.27	6.49	95	7.86	3-10	0
		D	18.90	2.35	5.30	81	7.70	3-12	0
	7	S	15.80	0.65	6.34	90	7.69	5-8	5
		D	15.60	0.90	6.41	91	7.53	5-18	5
	8	S	16.70	0.09	6.67	95	8.11	4-49	16
	9	S	15.70	0.06	6.90	97	7.87	3-8	14
		D	15.30	0.06	6.90	96	7.76	2-8	9
	9a	S	15.20	0.05	7.22	100	7.87	3-38	26
	10	S	14.50	0.07	6.90	95	7.88	3-7	59
	12	S	15.60	0.19	7.00	98	8.23	3-10	27
	15	S	16.40	0.15	6.06	86	7.97	5-35	23

Location: MACLEAY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 18- 19.1	1	S	24.20	8.89	5.00	89	8.00	13-24	0
	2	S	24.90	0.05	5.10	84	8.03	10	0
	3	S	24.80	0.04	5.15	85	7.78	13-22	0
		D	25.90	0.04	4.80	80	7.90	17-59	4
	4	S	24.80	0.04	5.19	86	7.81	21-35	0
		D	24.80	0.04	5.11	84	7.76	17-60	5
	5	S	22.30	0.04	5.14	81	7.72	21	21
		D	22.30		3.50		7.81	99	
	6	S	21.90	0.04	5.15	81	7.83	19	120
	6a	S	22.00	0.04	5.45	86	7.88	18-79	101
	7	S	22.20	0.04	5.57	88	8.04	17-18	60
	1	S	25.30	17.63	4.77	95	8.08	12-12	0
	2	S	25.30	16.14	4.92	97	8.14	11	3
21- 22.11	3	S	25.60	0.04	4.53	76	7.69	18-11	15
		D	25.50	0.04	4.47	75	7.85	27-2	61
	4	S	25.60	0.04	5.09	85	7.76	21-4	5
		D	25.50	0.04	5.09	85	7.62	18-5	14
	5	S	26.10	0.05	5.36	90	7.75	9	0
		D	26.20	0.07	5.54	93	7.67	15	6
	6	S	26.30	0.05	5.29	89	7.84	18-4	0
	6a	S	26.30	0.05	5.54	93	7.82	15-16	4
	7	S	25.90	0.05	5.16	87	7.87	25-0	20
	8	S	25.70	0.11	5.42	91	7.82	15-8	0
	1	S	24.50	6.10	5.12	89	7.92	9-6	25
	2	S	24.40	0.36	5.20	85	7.48	13	53
	3	S	24.50	0.06	5.40	89	7.48	13-15	24
30- 31.11		D	24.50	0.06	5.37	88	7.48	13-15	38
	4	S	23.80	0.06	4.93	80	7.58	11-17	62
		D	23.60	0.06	4.89	79	7.45	11-19	54
	5	S	24.60	0.06	6.16	101	7.74	8	36
		D	22.40	0.06	5.66	90	7.50	12	32
	6	S	23.40	0.06	6.01	96	7.57	7	29
	6a	S	22.80	0.06	5.88	94	7.87	11-7	50
	7	S	22.40	0.06	5.93	94	7.93	12	51

Location: MACLEAY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 26. iv	1	S	20.80	14.26	4.94	87	8.01	9-12	4
	2	S	19.80	2.46	5.71	89	7.28	11	0
	3	S	19.30	0.05	5.55	83	7.54	10-13	11
		D	19.20	0.05	5.67	85	7.47	10-13	17
	4	S	19.10	0.06	5.15	77	7.52	14-39	119
		D	19.00	0.05	5.74	86	8.13	20-0	35
	5	S	18.90	0.09	6.37	95	7.83	4	0
		D	20.10	0.09	6.04	92	7.61	7	10
	6	S	19.80	0.26	6.48	98	7.50	6	2
	6a	S	19.80	0.10	6.73	102	7.64	11-9	2
	7	S	19.90	0.04	6.45	98	7.70	9	17
	25. v	3	S	16.80	0.04	6.24	89	7.77	18-0
		D	16.80	0.05	5.92	85	7.77	16-2	512
4		S	16.70	0.05	6.75	96	7.85	6-10	4
		D	16.60	0.05	6.75	96	8.14	12-5	31
5		S	16.10	0.04	6.50	92	7.70	6	6
		D	16.10	0.07	6.50	92	8.17	6	10
6		S	16.70	0.13	6.56	94	7.63	6	3
6a		S	15.60	0.05	6.65	93	7.72	6-3	0
7	S	16.20	0.06	6.43	91	7.74	6	0	
21. vi	2	S	14.50	0.04	4.34	60		37	44
	3	S	14.40		4.95			35-23	84
		D	14.50	0.04	5.71	78		38-12	77
	4	S	14.50	0.03	4.70	64		38	68
		D	14.40	0.04	3.38	46		38-8	119
	5	S	13.80	0.10	5.57	75		34	81
		D	14.10	0.05	5.15	70		32	152
	6	S	13.60	0.04	5.56	75		52	74
	6a	S	13.50		5.88			30-47	87
7	S	13.50	0.04	6.00	84		27	88	
27. viii	1	S	18.10	18.52	7.20	129	8.15	11-6	0
	2	S	13.40	3.39	6.93	96	7.96	3	
	3	S	13.70	0.10	7.12	96	8.10	20-23	31
		D	13.70	0.06	7.20	97	7.85	26-36	11

Location: MACLEAY RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
27.viii	4	S	13.40	0.06	6.93	93	7.90	25-38	57
		D	13.40	0.06	5.70	77	7.62	22-36	50
	5	S	13.50	0.06	6.75	91	7.62	22	50
		D	13.30	0.06	6.35	85	7.41	21	41
	6	S	14.40	0.06	6.35	87	7.41	22	44
	6a	S	13.50	0.08	7.12	96	7.76	26-34	39
	7	S	13.90	0.06	5.73	78	7.67	31	41
19- 20.x	1	S	20.00	19.15	5.33	99	8.06	21-0	3
	2	S	21.30	16.22	5.03	93	7.84	7	4
	3	S	21.80	1.59	5.96	95	7.87	8-13	4
		D	21.80	1.64	5.36	85	8.13	7-15	12
	4	S	21.80	0.24	5.65	89	7.80	25-0	6
		D	21.80	0.26	5.63	89	7.86	13-15	14
	5	S	21.60	0.16	6.56	103	7.94	13	7
		D	21.60	0.05	5.90	92	7.94	11	54
	6	S	21.30	0.05	5.93	92	7.91	6	3
	6a	S	21.10	0.05	6.50	101	7.97	6-11	3
	7	S	20.10	0.05	6.75	103	8.11	21	11
17.xi	1	S	19.90	19.57	5.14	96	8.06	14-4	4
	2	S	21.00		5.04		7.95	8	4
	3	S	21.90	4.09	5.93	97	7.69	8-13	4
		D	21.90		5.65		7.45	12-16	0
	4	S	22.20	1.76	6.08	98	7.63	11-15	14
		D	22.10	1.85	5.83	93	7.71	13-19	4
	5	S	22.40	0.05	5.92	94	8.01	7	210
		D	22.40	0.05	5.59	89	7.49	13	3
	6	S	22.30	0.26	5.74	91	7.99	3	4
	6a	S	22.00	0.06	7.21	113	8.21	3-11	5
	7	S	22.00	0.04	5.83	92	8.10	3	3

Location: HASTINGS RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
17.i	1	S	23.70	7.11	5.32	93		12-27	3
	2	S	20.90	2.30	4.26	67		15-110	25
	2a	S	22.80	0.04				4	9
	4	S	22.40	0.04	5.02	79		8-44	82
	4a	S	22.40	0.04				15-55	88
	5a	S	20.80	0.04	5.23	81		10-0	95
	7	S	21.60	0.04	5.15	80		20-67	110
27.viii	1	S	14.70	17.20	5.83	97	8.10	5-13	0
	2	S	14.50	11.94	6.03	94	7.97	4-12	0
	2a	S	22.00	0.58	7.30	116	7.27	3	0
	3	S	14.20	6.41			8.14	0	0
	4	S	13.40	0.46	6.76	91	7.41	0-13	11
	4a	S	14.20	0.06	7.60	104	8.28	0-3	29
	5	S	13.80	0.06	7.48	101	8.15	0	31
	5a	S	14.20	0.06	7.36	100	7.96	0-8	9
	6	S	13.10	0.08	7.62	102	8.21	0-6	2
	7	S	12.30	0.08	7.45	98	7.66	0-5	6

Location: MANNING RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 16.i	1	S	22.60	3.16	4.55	75	7.42	10-31	0
	2	S	19.90	0.03	3.96	60	7.45	13-76	89
	3	S	22.00	0.03	3.92	62	7.53	26-79	24
	6	S	20.90	0.03	4.74	73	7.54	14-47	74
	7	S	18.80	0.03	5.25	78		13-47	85
	8	S	22.60	0.03	5.25	83	7.67	24-58	11
	9	S	20.00	0.03	5.25	79	7.94	11-46	21
	11	S	22.30	0.03	4.21	67	7.73	3-22	15
20.11	1	S	24.30	12.38	5.39	100	7.97	13-7	0
	2	S	26.70	3.28	4.75	83	7.38	0-18	0
	3	S	25.80	5.10	5.54	98	7.60	0-27	0
	6	S	25.00	0.18	5.41	87	7.49	3-24	12
	7	S	24.20	0.05	5.71	93	7.97	2-15	31
	8	S	24.00	0.03	5.72	93	7.93	12-11	20
	9	S	23.70	0.04	5.54	89	7.82	13-3	10
	11	S	22.50	0.05	5.39	86	7.48	26	4
28- 29.111	1	S	22.10	11.06	5.15	91	7.90	9-11	38
	2	S	23.20	1.17	4.00	65	7.29	5-15	53
	3	S	22.70	3.37	5.12	84	7.54	15-14	98
	6	S	22.40	0.07	5.41	86	7.92	18-8	105
	7	S	23.70	0.05	5.96	96	7.55	18-2	59
	8	S	22.40	0.06	5.77	91	7.94	13-5	72
	9	S	22.40	0.06	5.87	93	7.70	12-6	56
	11	S	22.10	0.07	6.01	113	7.60	12-3	23
25.1v	1	S	21.40	18.28	5.09	96	7.84	8-9	11
	2	S	19.80	8.52	5.66	94	7.12	4-9	0
	3	S	19.50	9.05	6.15	102	7.58	6-10	0
	6	S	18.80	1.25	6.74	101	7.53	7-6	15
	7	S	17.10	0.05	6.83	98	7.46	8-3	0
	8	S	15.60	0.05	6.84	96	7.66	7-5	6
	9	S	15.10	0.05	6.75	94	7.82	7-6	24
	11	S	15.70	0.09	6.53	92	7.37	6-6	12

Location: MANNING RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
23.v	1	S	20.50	19.40	5.29	99	8.05	5-4	4
	2	S	17.60	10.57	5.28	86	7.74	5-8	9
	3	S	18.40	10.80	5.78	96	7.80	6-9	10
	6	S	17.10	2.70	6.55	97	7.72	5-7	8
	7	S	16.00	0.05	6.73	95	7.92	6-5	0
	8	S	15.80	0.05	6.70	94	7.84	6-7	0
	9	S	15.60	0.05	6.64	93	8.03	10-1	0
	11	S	14.10	0.06	6.37	87	7.98	4-11	16
20.vi	1	S	15.40	4.41	5.13	75	7.31	12-0	108
	2	S	15.10	0.10	4.29	60	5.29	8-1	39
	3	S	14.70	0.27	5.34	74	8.02	27-19	183
	6	S	14.00	0.06	5.67	77	7.71	24-12	196
	7	S	13.60	0.05	6.16	83	7.55	21-13	213
	8	S	12.80	0.06	6.17	82	7.82	30-9	219
	9	S	13.40	0.05	6.05	111	7.46	21-18	248
	11	S	12.60	0.06	6.38	85	7.84	15-10	163
24- 25.viii	1	S	14.90	14.11	6.54	105	8.16	4-13	0
	2	S	13.50	7.72	6.77	99	7.66	2-15	3
	3	S	13.20	5.88	7.12	101	8.02	3-19	0
	6	S	13.50	2.06	7.52	103	8.11	2-13	0
	7	S	12.80	0.06	7.05	94	8.09	10-0	0
	8	S	12.50	0.06	7.35	97	8.01	18-29	3
	9	S	12.70	0.07	7.28	97	7.98	19-18	12
	11	S	13.90	0.21	7.36	100	8.06	3-9	4
17- 18.x	1	S	18.00	19.60	5.56	101	8.06	13-7	0
	2	S	21.30	11.80	4.98	88	7.67	6-17	3
	3	S	20.50	9.89	5.31	90	7.98	18-7	3
	6	S	20.00	2.15	5.96	93	7.53	11-15	57
	7	S	22.10	0.06	6.50	103	8.16	10-4	14
	8	S	22.30	0.04	6.89	109	8.12	10-7	2
	9	S	22.30	0.06	6.54	103	8.17	8-9	3
	11	S	23.40	0.17	5.96	96	8.07	13-16	5

Location: MANNING RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 15. xi	1	S	21.00	19.52	5.48	104	8.03	19-5	32
	2	S	21.70	14.15	5.06	92	7.78	12-5	17
	3	S	20.50	16.88	5.71	105	7.87	13-11	3
	6	S	22.50	8.72	5.42	94	7.56	13-9	3
	7	S	22.70	0.04	5.83	93	8.00	7-5	4
	8	S	22.70	0.04	6.25	100	8.07	7-22	2
	9	S	22.40	0.08	6.31	100	7.98	7-3	1
	11	S	20.00	0.26	5.45	83	7.60	5-7	13

Location: NELSON'S BAY - PORT STEPHENS

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
2.ii	2	S	23.50	14.81	6.39	120		0-25	0
1.iii	2	S	23.20	18.75	5.14	100		0-12	0
2.iv	2	S	21.90	18.87	5.40	103		7-2	12
3.v	2	S	18.80	19.44	5.00	92		7-4	0
1.vi	2	S	18.40		5.35			6-16	2
3.vii	2	S	14.40	16.39	5.72	94		2-10	8
2.viii	2	S	16.40	18.89	5.61	98		4-21	0

Location: TILLIGERRY CREEK

Date	Station	Depth	Temp. °C.	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
3.ii	1	S	26.40	11.22	5.84	111	7.67	9-6	6
	2	S	24.40	4.94	4.34	74	7.02	9-2	0
27.ii	1	S	25.10	15.77	4.19	82	7.95	7-35	5
	2	S	24.80	10.28	2.68	49	7.23	12-10	13
21.iii	1	S	24.80	16.64	5.77	113	8.07	13-0	75
	2	S	26.10	1.63	2.00	34	7.09	43-32	406
19.iv	1	S	23.00	16.25	8.05	152	8.27	7-2	0
	2	S	19.80	6.86	4.43	72	7.40	5-9	21
26.vi	1	S	13.90	10.82	6.58	100	7.90	9-9	41
	2	S	13.70	1.71	2.66	36	7.40	21-37	27
25.vii	1	S	10.80	14.38	5.17	77	8.07	2-6	0
	2	S	10.10	8.70	5.24	72	6.98	5-9	7
24.viii	1	S	12.00	16.52	6.48	102	8.06	0-10	0
	2	S	11.90	13.80	6.06	92	7.56	0-22	0
25.ix	1	S	19.50	17.68	4.65	85		5-6	12
	2	S	20.70	15.09	4.17	75	7.52	4-9	6
30.xi	1	S	21.00	20.10	5.71	109	8.02	5-10	4
	2	S	19.40	19.72	4.29	80	7.85	7-26	2
13.xii	1	S	23.40	20.15	5.90	118	7.94	21-0	16
	2	S	25.20	18.14			7.56	5-52	6

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
19.1	24	S	18.80	0.03			6.87	7-36	177
	25	S	18.20	0.05	5.49	80	6.77	3-68	30
	26	S	19.60	0.05	6.26	94	6.90	3-63	57
23- 24.1	1	S	22.40	8.58	5.58	96	7.75	7-39	23
		D	21.70	19.15	5.56	106	8.15	7-5	45
	2	S	23.60	0.17	5.78	93		32	228
		D	21.90	17.93	2.95	56	7.97	23	50
	3	S	23.40	1.02	4.34	70	7.64	17-29	301
		D	23.20	0.95	4.73	76	7.38	18-23	328
	4	S	21.80	8.27	5.25	89	7.90	5	158
		D	21.60	18.77	5.55	106		7	26
	4a	S	22.90	8.94	5.74	100	8.14	9-9	26
		D	21.90	14.14	5.50	100	8.09	6-32	21
	5	S	21.50	0.79	5.14	81	7.33	21-13	110
		D	21.00	0.96	5.09	79	7.15	21-15	183
	6	S	21.20	0.60	5.15	80	7.09	7-30	105
		D	21.40	1.97	4.95	79	7.05	10-13	67
	7	S	21.30	0.25	5.25	82	7.21	12-22	107
		D	21.20	0.27	5.27	82	7.07	9-26	83
	8	S	21.40	0.18	5.36	84	7.15	10-22	127
		D	21.30	0.29	5.15	80	7.25	9-29	102
	9	S	21.50	0.18	5.18	81	7.15	11-18	127
		D	22.00	0.41	4.99	79	6.92	12-20	127
	10	S	22.00	0.07	4.96	78	7.91	9	94
		D	21.90	0.05	4.92	77		11	111
	11	S	21.70	0.04	4.92	77	6.87	10-29	102
		D	21.70	0.04	4.64	73	6.79	11-29	124
	12	S	21.70	0.04	4.72	74	6.91	6	77
		D	21.80	0.04	4.64	73	6.95	10	127
	13	S	21.80	0.04	4.61	72	6.99	9-25	84
		D	21.70	0.04	4.70	74	6.95	7-27	100
	14	S	21.60	0.04	4.73	74	6.94	9	81
		D	21.70	0.04	4.64	73	7.01	5	95
	15	S	21.50	0.05	4.51	70	7.01	6-37	106
		D	21.60	0.05	4.41	69	7.01	9-30	94
	16	S	21.60	0.15	4.70	74	6.99	22-13	155
		D	21.60	0.05	4.46	70	6.97	11-27	92

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 26.1	17	S	18.40	0.04	5.28	78	6.86	9-22	
		D	19.60	0.04	4.77	72	7.07	4-38	260
	18	S	18.80	0.04	5.59	83	7.00	14-17	96
	18a	S	18.60	0.04	5.59	83	6.70	12-16	85
	19	S	20.20	0.04	4.35	66	6.88	16-26	115
		D	20.20	0.04	4.50	69	6.95	12-19	86
	20	S	19.90	0.04	5.40	82	7.19	12-19	147
	21	S	19.60	0.04	5.74	87	7.29	29-15	122
		D	19.70	0.04	5.75	87	7.27	4-27	192
	22	S	20.00	0.04	6.19	93	7.36	9-25	103
	23	S	19.80	0.04	6.38	96	7.43	13-23	156
	24	S	20.30	0.04	5.70	87	7.50	3-12	71
	25	S	19.40	0.04	6.29	94	7.09	12-3	5
	26	S	20.45	0.04	6.09	93	6.68	2-7	15
15- 16.111	17	S	25.20	0.07	4.92	82		4-19	136
		D	24.30	0.07				6-16	156
	18	S	23.70	0.07	5.10	82		7-6	144
	18a	S	26.00	0.07	5.16	87		3-9	126
	19	S	25.00	0.07	4.98	82		4-6	149
		D	24.70	0.07	5.03	83		4-7	147
	20	S	24.00	0.07	4.66	76		8-8	164
	21	S	24.20	0.07	5.16	84		4-18	166
		D	23.90	0.07	5.01	81		5-29	169
	22	S	24.30	0.07	5.53	90		5-10	149
	23	S	24.50	0.07				6-43	174
	24	S	23.20	0.07	4.69	75		5-75	286
	25	S	21.10	0.17				3-5	24
	26	S	21.94	0.07	5.58	88		6-10	179
19.111	25	S	20.25	0.17	6.04	92			
20- 21.111	1	S	23.00	15.74	4.53	85	8.13	7-3	31
		D	22.30	18.37	4.02	77	8.19	9-9	513
	2	S	23.40	12.51	4.91	90	7.99	2	13
		D	22.70	18.30			7.52		
	3	S	24.70	6.84	4.54	80	7.92	10	438
		D	24.50	18.08			7.50	12	69

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
20-	4	S	23.10	15.08	4.54	85	7.99	8	50
21.111		D	22.80	18.10	3.91	75	8.21	9	59
	4a	S	23.50	17.41	5.38	104	7.99	8-10	0
		D	23.00	18.47	4.28	83	7.97	9-9	11
	5	S	23.50	13.12	4.34	80	8.18	2-7	51
		D	23.40	13.26	4.31	80	7.83	9-6	
	6	S	23.40	14.60	4.28	80	7.95	8-47	69
		D	23.30	14.62	4.34	81	8.13	6-5	58
	7	S	23.50	12.85	4.59	85	7.79	6-8	81
		D	23.40	13.29	4.27	79	7.88	6-5	81
	8	S	23.50	12.53	4.46	82	7.85	3	81
		D	23.40	18.02	3.91	76	8.03	8	
	9	S	23.60	10.76	4.46	81	7.77	4-5	113
		D	23.50	11.96	4.15	76	7.81	6-0	103
	10	S	23.20	11.98	4.08	74	7.84	4	105
		D	23.30	12.52	3.93	72	8.08	4	203
	11	S	23.90	6.66	4.34	75	8.05	3-7	186
		D	24.00	8.14	4.02	71	7.75	9	203
	12	S	24.40	4.20	4.29	73	7.94	8	275
		D	24.30	6.31	3.95	69	7.65	8	250
	13	S	24.60	3.20	4.29	73	7.30	7	303
		D	24.40	4.40	3.96	81	8.23	7	294
	14	S	24.60	1.13	4.45	74	7.80	2	209
		D	24.40	2.66	4.02	67	7.72	5	261
	15	S	24.50	0.08	4.32	71	8.18	8	350
		D	24.40	0.07			7.69	6	356
	16	S	24.50	0.17	5.35	88	7.80	6	341
		D	24.30	0.08	5.39	88	7.84	3	338
17.1v	1	S	20.70	17.70	4.99	93	8.05	9-0	10
		D	20.90		5.04		8.10	9-0	4
	2	S	20.50	17.75	4.20	78	7.93	9	22
		D	21.20	18.48	3.08	58	7.95	12	27
	3	S	21.00	16.28	3.08	57	7.74	20-17	180
		D	21.20	18.03	0.45	8	7.71	26-15	30

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C.	Cl. ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951	17.iv	4 S	20.50	16.68	4.92	90	7.98	9	10
		D	21.00	18.14	4.53	85	8.01	9	3
	4a	S	20.90	18.95	5.04	95	8.13	9-0	8
		D	20.60	18.21	5.17	96	8.11	9-0	2
	5	S	20.10	17.20	4.52	83	8.08	6-11	27
		D	19.10	14.21	5.11	89	8.09	5-1	38
	6	S	20.10	16.47	4.95	90	8.04	9-0	26
		D	19.10	14.75	4.67	82	8.08	12-0	28
	7	S	20.00	14.60	4.93	87	8.01	4-2	32
		D	20.20	15.83	4.88	88	8.06	5-0	27
	8	S	20.10	13.77	4.97	87	8.01	5	36
		D	19.70	16.14	4.57	82	8.04	5	33
	9	S	20.00	16.21	5.00	90	8.02	3-5	47
		D	20.10	12.75	4.57	79	8.01	3-6	66
	10	S	20.10	13.15	4.84	84	8.01	3	49
		D	20.00	13.64	4.71	82	7.97	3	49
	19.iv	11 S	19.60	12.16	4.67	80	7.98	4-3	57
		D	20.00	12.68	4.37	76	7.91	1-10	105
	12	S	19.80	10.33	4.72	79	7.96	1	87
		D	20.10	10.97	4.61	79	7.96	2	92
	13	S	19.70	8.12	4.73	78	7.81	2-9	130
		D	20.10	8.88	4.67	78	8.00	0-3	111
	14	S	19.80	5.78	4.92	79	7.86	0	127
		D	18.30	5.98	4.76	75	7.65	1	124
	15	S	19.60	2.35	5.08	79	7.95	0-16	166
		D	14.00	2.49	4.93	69	7.95	1-6	167
	16	S	19.70	2.23	5.16	80	7.65	0-94	178
		D	14.70	2.28	4.96	70	7.94	0-14	186
20.iv	17	S	19.40	0.10	5.63	85	7.57	1-5	196
		D	18.90	0.12	5.54	82	7.61	3-6	232
	18	S	16.20	0.26	5.69	81	7.45	2-4	244
	18a	S	17.10	0.12	6.57	95	7.52	0-2	252
	19	S	18.60	0.07	5.74	85	7.51	3-4	244
		D	18.40	0.07	5.03	74	7.54	6-4	276
	20	S	16.90	0.26	4.70	67	7.33	16-75	284
	21	S	17.20	0.10	6.07	88	7.73	6-0	248
		D	17.15	0.13	6.13	88	8.03	5-1	282

Location: HAWKESBURY RIVER

Date	Stación	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
20. iv	22	S	16.20	0.10	6.22	88	7.66	7-0	163
	23	S	16.20	0.13	6.10	87	7.86	3-4	117
	24	S	15.50	0.26	4.92	69	6.78	4-2	542
	25	S	15.80	0.26	6.54	91	8.09	2-12	0
	26	S	13.90	0.27	6.45	88	8.37	2-4	542
23- 24. v	1	S	19.20	19.01	5.70	105	8.10	4-2	106
		D	19.30	19.42	5.51	106	8.13	6-0	66
	2	S	17.00	17.50	5.75	100	8.13	7	64
		D	18.60	18.33	1.81	33	7.88	9	37
	3	S	18.30	16.34	5.60	98	7.98	9-8	2
		D	18.20	18.18	4.91	88	7.85	8-8	67
	4	S	18.50	17.89	5.39	96	8.07	7	66
		D	18.40	18.50	5.35	96	8.04	9	0
	4a	S	18.80	18.74	5.61	102	8.02	6-0	81
		D	19.10	19.23	5.53	102	8.11	7-0	99
	5	S	18.20	16.09	5.78	101	7.93	7-2	15
		D	18.00	16.36	5.03	88	7.97	6-7	20
	6	S	18.00	16.93	5.43	95	7.98	6-5	94
		D	17.90	17.06	2.39	42	8.05	8-2	76
	7	S	17.80	16.26	5.36	93	7.95	4-0	40
		D	17.80	16.46	5.31	93	7.95	5-4	35
	8	S	17.50	15.07	5.27	90	7.75	0	33
		D	17.40	15.08	4.98	85	7.72	0	49
	9	S	17.40	13.52	5.53	93	7.92	6-0	34
		D	17.40	13.54	5.61	94	7.84	5-1	40
	10	S	17.40	12.62	5.83	97	7.86	4	49
		D	17.30	13.47	5.48	91	7.97	4	45
	11	S	17.30	10.01	5.98	96	7.84	2-4	80
		D	17.20	10.03	5.92	95	7.78	5-1	74
	12	S	17.10	7.00	6.20	96	8.23	3	158
		D	17.10	7.42	6.18	96	8.23	2	154
	13	S	17.10	4.86	6.67	101	7.88	2-16	101
		D	17.00	4.99	6.50	98	7.98	2-4	139
	14	S	17.00	1.20	6.79	99	8.03	3	214
		D	16.90	1.66	6.56	96	8.33	4	197
	15	S	17.00	0.38	7.06	102	8.18	2-12	229
		D	16.90	0.48	6.73	97	8.14	0-4	250

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 24.v	16	S	16.90	0.24	6.94	100	8.08	2-7	260
		D	16.80	0.25	7.21	103	8.70	0-7	184
	17	S	16.30	0.07	6.80	97		8-15	317
		D	16.60	0.07	6.86	98		7-17	277
	18	S	16.00	0.05	6.40	90		9-9	320
	18a	S	16.80	0.04	7.00	100		8-10	257
	19	S	15.60	0.07	6.48	91		3-17	313
		D	15.90	0.07	6.43	91		5-12	322
	20	S	15.40	0.08	7.00	98		8-17	247
	21	S	14.60	0.09	6.83	94		7-9	248
		D	14.80	0.05	6.86	95		7-15	565
	22	S	14.40	0.09	6.97	95		12-26	215
	23	S	14.00	0.09	7.22	98		13-12	222
	24	S	14.50	0.10	6.62	91		8-15	164
	25	S	13.90	0.08	6.80	92		7-2	57
	26	S	14.00	0.10	6.97	95		11-16	188
15.vi	17	S	14.40	0.05	6.03	83		7-9	322
		D	14.30	0.06	6.44	88		17-6	308
	18	S	13.80	0.05	6.30	85		11-3	311
	18a	S	13.90	0.05	6.64	90		8-4	256
	19	S	14.30	0.06	6.39	87		25-0	294
		D	14.40	0.06	5.75	79		16-7	303
	20	S	14.20	0.06	5.46	75		15-9	433
	21	S	14.00	0.05	6.67	91		13-3	356
		D	14.00	0.05	6.80	92		39	375
	22	S	14.50	0.04	6.42	88		10-7	339
	23	S	14.10	0.06	5.27	72		21-9	339
	24	S	14.20	0.05	6.35	87		7-6	197
	25	S	13.90	0.09	6.99	95		3-28	29
	26	S	13.70	0.04	6.99	94		6-4	94
26- 27.vi	1	S	14.40	9.14	6.21	94	7.72	2-11	65
		D	15.00	18.32	5.11	87	8.20	9-43	19
	2	S	14.60	8.58	6.06	91	8.04	5	144
		D	17.20	18.10	3.90	68	8.04	7	56
	3	S	14.40	6.34	5.65	82	7.67	4-14	351
		D	16.20	12.65	3.07	50	7.70	12-6	167

Location: **HAWKESBURY RIVER**

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 26- 27.vi	4	S	13.90	7.90	6.19	91	7.93	3	100
		D	18.60	18.40	5.09	92	8.16	5	15
	5	S	12.20	4.09	6.76	92	7.54	4-7	107
		D	17.10	16.51	5.22	90	8.16	10-3	13
	6	S	12.50	4.11	7.18	98	7.74	3-9	86
		D	17.80	16.34	5.23	91	8.15	8-2	28
	7	S	12.40	4.43	6.80	93	7.87	6-10	91
		D	17.00	14.99	5.47	92	8.16	12-36	25
	8	S	11.50	2.21	6.93	92	7.35	9	118
		D	14.60	8.80	6.12	92	8.09	9	54
	9	S	11.30	0.58	6.92	90	7.15	10-44	
		D	11.00	0.79	6.77	87	7.96	12-19	141
	10	S	11.40	1.63	7.00	91	7.85	12	100
		D	12.90	5.07	6.53	91	7.48	12	91
	11	S	11.00	0.07	6.93	89	7.26	8-47	121
		D	11.00	0.07	6.96	89	7.18	9-42	200
	12	S	11.10	0.05	6.87	88	7.68	6	186
		D	11.20	0.05	6.83	88	8.18	8	190
	13	S	11.30	0.04	6.70	86	7.35	14-20	206
		D	11.20	0.05	6.88	88	7.76	14-41	177
	14	S	11.10	0.09	6.73	86	7.04	13	201
		D	11.20	0.06	7.56	97	7.27	12	202
	15	S	11.10	0.07	6.76	87	7.47	13-34	213
		D	11.20	0.13	6.48	83	7.86	13	210
	16	S	11.20	0.17	5.24	67	7.27	9-24	200
		D	11.30	0.08	5.25	67	7.24	11-23	188
13.vii	17	S	9.60	0.06	7.27	90	7.66	30-8	334
		D	9.30	0.06	6.83	84	7.37	31-6	368
	18	S	8.30	0.05	7.41	89	7.47	28-0	197
	18a	S	9.00	0.05	7.74	94	7.51	8-32	167
	19	S	9.60	0.07	7.51	92	8.19	25-18	368
		D	9.60	0.11	7.50	92	7.49	46-3	368
	20	S	9.10	0.06	7.00	85	7.41	50-0	392
	21	S	8.65	0.05	7.69	93	7.55	45-0	379
		D	8.60	0.06	7.78	94	7.50	15-26	363
	22	S	8.40	0.06	7.57	89	7.88	23-0	342

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 13.vii	23	S	8.10	0.06	7.74	93	7.53	7-15	326
	24	S	9.40	0.12	7.27	89	7.40	10-4	424
	25	S	7.90	0.05	7.98	95	7.53	10-2	197
	26	S	8.00	0.12	7.82	93	7.34	7-4	26
17.vii	1	S	14.40	14.55	5.54	89	8.18	1-25	11
		D	16.20	16.63	5.39	91	8.23	23-38	16
	2	S	14.10	15.20	5.88	95	8.19	2	3
		D	17.70	18.30	3.50	62	8.04	6	65
	3	S	13.20	15.06	5.04	79	8.00	23	105
		D	17.30	17.66	2.44	43	7.98	32	98
	4	S	15.50	15.70	5.57	92	8.20	7	10
		D	16.10	16.78	5.37	91	8.22	10	18
	5	S	14.40	12.78	5.76	91	8.09	8-34	57
		D	14.60	12.98	5.66	90	8.09	5-35	51
	6	S	14.40	12.41	5.72	90	8.13	8	40
		D	14.90	13.16	5.63	90	8.21	6	35
	7	S	13.80	10.90	5.94	90	7.78	7-31	71
		D	14.10	11.39	5.76	89	8.12	4-43	63
	8	S	13.40	9.66	6.03	90	8.09	10	73
		D	13.60	10.03	5.87	88	8.09	17	82
	9	S	13.50	7.28	6.36	92	8.10	8-52	95
		D	12.90	7.28	6.25	90	8.05	11-42	114
	10	S	12.20	6.46	6.47	91	8.20	10	141
		D	13.60	6.10	6.23	89	8.01	16	121
19.vii	11	S	10.60	0.97	6.95	89	7.52	8-28	219
		D	11.60	5.07	6.24	85	8.00	5-49	134
	12	S	9.90	0.07	7.24	90	7.92	12	302
		D	10.00	0.07	7.24	90	8.07	11	254
	13	S	10.00	0.05	7.28	91	8.11	8-0	329
		D	9.80	0.05	7.26	90	7.88	4-0	308
	14	S	9.70	0.05	7.36	91	7.49	7	281
		D	9.70	0.05	7.38	91	7.92	70	297
	15	S	9.30	0.09	7.51	92	7.60	8-11	257
		D	9.40	0.05	7.46	92	8.09	5-7	267
	16	S	9.20	0.34	7.47	91	8.07	9-0	284
		D	9.50	0.07	7.13	88	8.03	10	326

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
16- 17.viii	17	S	9.60	0.05	7.16	88	7.45	25	155
		D	9.50	0.05	6.28	77	7.50	5-21	148
	18	S	8.70	0.05	7.06	85	7.38	5-4	178
	18a	S	7.00	0.05	8.04	95	7.42	9-0	145
	19	S	9.40	0.05	5.46	67	7.47	13-5	178
		D	9.00	0.15	6.78	83	7.50	7-24	184
	20	S	9.10	0.06	4.76	58	7.40	10-22	328
	21	S	9.30	0.06	5.92	72	7.35	6-8	248
		D	9.30	0.06	5.85	72	7.20	13-0	233
	22	S	9.10	0.06	7.86	96	7.68	14-3	267
	23	S	13.50	0.06	6.43	87	7.51	6-6	229
	24	S	10.00	0.06	6.46	80	6.84	2-0	336
	25	S	8.20	0.06	8.00	96	8.13	6-0	307
	26	S	9.00	0.06	7.93	96	8.06	2-0	22
22- 23.viii	1	S	14.60	17.92	6.03	101	8.22	6-31	16
		D	15.30	19.49	5.10	88	8.21	10-23	31
	2	S	13.90	16.80	6.45	105	8.20	2	0
		D	16.70	18.60	3.42	60	8.07	18	85
	3	S	14.60	16.05	5.70	93	8.06	10-7	61
		D	17.30	18.36	3.14	55	8.03	10-0	50
	4	S	15.00	17.00	5.83	97	8.22	8	20
		D	15.40	18.38	5.73	98	8.22	8	23
	5	S	14.40	14.40	6.35	102	8.21	7-22	50
		D	15.40	17.82	5.73	98	8.18	8-9	33
	6	S	14.20	13.55	6.25	99	8.19	8-15	50
		D	15.30	17.19	6.10	103	8.21	8-15	26
	7	S	14.50	14.11	6.10	98	8.19	6-15	44
		D	14.70	16.31	5.80	95	8.19	6-9	39
	8	S	14.30	14.03	6.10	97	8.19	6	41
		D	14.80	15.63	6.00	98	8.24	6	30
	9	S	13.20	8.57	6.55	96	8.10	6-37	82
		D	13.50	10.24	6.38	96	8.14	9-4	89
	10	S	13.80	10.98	6.40	97	8.07	7	74
		D	13.80	12.71	6.07	94	8.17	6	70
	11	S	12.40	5.81	6.96	97	7.91	0-13	137
		D	13.30	10.47	6.19	93	8.06	2-13	78

Location: HAWKESBURY RIVER

Location: NAWASBURI RIVER										
Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N	
1951										
22-	12	S	10.30	0.50	6.86	87		3	235	
23.viii		D	11.60	3.60	6.38	86		12	210	
	13	S	10.20	0.12	7.14	89	6.61	5-17	280	
		D	10.50	0.13	7.05	89	7.91	8-12	270	
	14	S	10.10	0.13	7.37	92	7.94	6	250	
		D	10.40	0.13	6.15	77	7.66	5	325	
	15	S	10.10	0.64	7.55	95	7.89	4-16	265	
		D	10.20	0.16	6.65	83	8.13	5-18	330	
	16	S	10.00	0.15	6.50	81	7.65	6-91	296	
		D	10.20	0.21	7.28	91	6.63	6-41	246	
	14.ix	17	S	16.80	0.07	6.71	96	7.25	3-6	195
		D	15.40	0.07	6.50	91	7.34	11-0	200	
	18	S	16.40	0.06	6.22	88	7.30	0-6	235	
	18a	S	19.00	0.06	6.60	98	7.28	2-4	197	
	19	S	15.20	0.07	6.81	95	7.36	7-0	255	
	D	15.20	0.05	6.98	97	7.33	3-6	252		
20	S	16.40	0.08	6.97	99	7.38	4-3	215		
21	S	16.60	0.06	6.80	97	7.45	3-3	194		
	D	15.60	0.07	6.89	96	7.53	0-6	191		
22	S	15.00	0.07	7.49	104	7.66	5-1	130		
23	S	14.20	0.06	7.55	103	7.52	0-5	138		
24	S	14.40	0.12	6.26	86	7.12	3-2	435		
25	S	11.60	0.08	7.50	97	7.53	3-4	43		
26	S	13.00	0.23	7.33	98	8.20	1-6	430		
25-										
26.ix	1	S	17.90	17.73	5.67	100	7.44	2-10	0	
		D	16.40	19.60	4.87	83	8.11	8-13	24	
	2	S	19.00	19.41	4.96	91	8.08	3	8	
		D	17.00	18.48	4.00	70	8.05	6	20	
	3	S	19.40	16.42	5.66	101	8.05	20-19	273	
		D	16.90	18.50	2.45	43	8.00	9-12	59	
	4	S	18.40	16.48	5.57	98	8.09	4	13	
		D	17.30	19.22	5.40	96	8.10	4	8	
	4a	S	17.40	18.62	5.35	95	8.16	8-0	0	
		D	17.60	19.54	5.43	97	8.11	8-0	0	
	5	S	17.70	13.68	5.31	89	8.05	7-17	43	
		D	17.50	16.35	4.61	80	8.11	7-8	9	
	6	S	18.40	14.27	5.53	95	8.04	2-6	4	
		D	17.60	16.25	5.10	88	8.09	8-3	44	

Location: **HAWKESBURY RIVER**

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 25-26.ix	7	S	17.60	17.79	5.37	95	8.11	2-9	37
		D	17.50	17.18	5.12	89	8.10	6-29	8
	8	S	17.60	12.50	5.31	88	7.99	2	45
		D	17.60	16.39	4.41	76	8.06	8	192
	9	S	17.60	12.57	5.32	88	7.97	3-10	43
		D	17.60	12.62	5.00	83	8.09	2-4	41
	10	S	17.20	11.84	5.35	88	8.00	2	55
		D	17.50	16.39	4.87	84	8.10	7	38
	11	S	17.50	7.97	5.55	88	7.95	3-5	127
		D	17.60	12.13	5.03	83	7.99	2-5	82
	12	S	17.40	5.39	5.53	85	7.85	3	184
		D	17.50	6.35	5.65	88	7.90	2	172
	13	S	17.20	3.47	5.28	79	7.90	3-10	184
		D	17.50	5.82	5.47	84	7.78	2-7	138
	14	S	17.30	0.90	5.32	77	7.66	2	251
		D	17.40	3.77	5.41	81	8.10	2	163
	15	S	17.30	0.23	6.03	87	7.75	3-8	273
		D	17.30	0.30	5.49	82	8.00	5-4	229
	16	S	17.20	0.50	6.10	88	8.00	2-8	269
		D	17.40	0.12	5.94	86	8.10	3-9	278
16.xi	17	S	21.60	0.06	5.77	90	7.50	4-6	190
		D	22.10	0.06	5.56	88	7.58	3-6	225
	18	S	21.00	0.06	5.71	88	7.66	3-4	72
	18a	S	24.00	0.06	5.71	93	7.34	3-3	106
	19	S	22.30	0.06	5.83	92	7.65	5-8	212
		D	22.60	0.06	5.84	93	7.61	7-7	246
	20	S	21.60	0.06	6.31	99	7.52	3-6	290
	21	S	20.80	0.06	6.08	94	7.46	3-11	248
		D	20.60	0.06	6.05	93	7.61	4-7	262
	22	S	21.00	0.06	6.24	97	7.56	6-6	250
	23	S	20.50	0.06	6.31	97	7.46	3-5	103
	24	S	19.50	0.09	5.56	84	7.27	5-5	500
	25	S	18.80	0.06	6.12	91	7.58	4-0	110
	26	S	14.50	0.09	5.93	81	7.38	3-0	12

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C.	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 27- 29.xi	2	S	21.60	18.47	5.47	104	8.03	3	4
		D	17.90	18.72	0.43	8	7.77	22	19
	3	S	20.80	18.33	4.59	86	7.90	13-30	0
		D	21.00	18.42	4.41	83	7.91	15-24	0
	4	S	20.80	18.38	5.03	94	8.03	5	4
		D	19.30	18.64	4.95	91	8.05	15	26
	4a	S	19.80	19.49	5.39	100	8.12	4-6	8
		D	19.70	19.48	5.23	97	8.12	9-4	5
	5	S		17.68	4.86			6-9	20
		D		18.82	5.27			13-7	55
	6	S	17.80	18.84	4.95	89	8.00	11-6	4
		D	18.00	18.86	4.86	87	8.03	14-3	11
	7	S	20.00	17.60	4.86	89	7.95	8-10	19
		D	18.50	18.51	4.61	83	7.97	17-6	0
	8	S	20.00	17.88	4.86	89	7.93	9	19
		D	19.20	18.32	4.80	87	7.96	12	30
	9	S	20.20	16.70	5.16	94	7.88	5-5	6
		D	20.50	17.47	4.76	88	7.92	7-3	0
	10	S	21.50	15.52	4.49	82	7.81	6	21
		D	20.60		4.85		7.83	5	4
	11	S	21.20	14.86	4.83	85	7.75	3-10	21
		D	21.00	14.89	5.33	97	7.81	11-0	20
	12	S	21.60	10.92	4.93	86	7.61	7	70
		D	21.50	6.12	4.86	81	7.61	4	123
	13	S	21.80	7.90	5.23	89	7.56	3-16	54
		D	21.40	8.40	5.20	88	7.61	4-13	55
	14	S	21.60	3.93	5.71	93	7.74	1	120
		D	21.70	4.67	5.62	92	7.69	3	79
	15	S	22.60	1.95	5.90	95	8.25	3-10	115
		D	22.40	1.80	6.13	99	8.11	4-9	104
	16	S	22.60	2.10	6.13	99	7.95	1-14	117
		D	22.60	2.95	5.87	96	7.92	3-10	108
13.xii	17	S	25.00	0.07	5.78	96	7.58	6-49	69
		D	23.80	0.07	6.45	104	7.94	3-21	42
	18	S	23.60	0.07	5.84	94	7.62	3-15	14
	18a	S	28.30	0.08	5.88	97	7.50	7-23	50

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 13. xii	19	S	24.30	0.07	6.23	102	7.89	2-31	90
		D	24.30	0.07	5.76	94	7.94	2-71	127
	20	S	23.40	0.07	5.85	94	7.57	5-21	174
		D	23.40	0.07	5.84	94	7.70	3-15	228
	22	S	23.00	0.07	5.80	93	7.74	0-31	170
		D	24.40	0.07	5.61	92	7.66	0-64	184
	23	S	23.20	0.07	5.94	95	7.65	4-16	52
		D	22.20	0.07	4.86	77	7.45	0-20	372
	25	S	21.80	0.10	5.81	91	8.16	4-11	44
		D	17.40	0.07	6.39	93	8.20	2-8	12
	26	S	21.80	0.07	6.39	93	8.20	2-8	12
		D	21.60	0.07	6.39	93	8.20	2-8	12
	27	S	21.60	0.07	6.39	93	8.20	2-8	12
		D	21.60	0.07	6.39	93	8.20	2-8	12
18. xii	1	S	21.80	18.76	4.81	92	7.77	5-17	14
		D	21.60	18.82	4.80	91	7.79	7-16	12
	2	S	22.50	18.74	5.42	105	8.11	2	0
		D	19.20	18.75	1.43	26	7.82	13	62
	3	S	23.20	18.61	4.49	88	7.91	7-16	0
		D	22.40	18.64	4.97	92	8.00	7-4	0
	4	S	23.60	18.89	5.09	100	8.00	0	16
		D	20.00	19.16	4.87	91	8.09	7	16
	5	S	22.10	18.23	4.82	92	7.98	2-61	19
		D	21.60	18.54	4.75	90	8.01	7-40	85
	6	S	21.90	18.05	4.76	90	7.98	0-13	4
		D	21.40	19.26	4.77	91	8.01	8-35	22
	7	S	22.10	18.27	4.77	91	7.97	2-18	19
		D	21.70	18.58	4.78	91	8.00	6-17	0
	8	S	22.40	17.98	4.70	90	7.98	2	24
		D	22.20	18.03	4.69	89	7.95	3	37
	9	S	22.90	16.79	4.90	93	7.87	3-24	30
		D	22.60	17.21	4.68	89	7.87	3-20	42
	10	S	23.00	16.37	4.73	90	7.86	3	21
		D	22.80	16.56	4.76	90	7.74	3	43
	11	S	23.20	15.12	4.99	94	7.84	6-25	37
		D	22.90	15.52	4.82	90	7.84	3-24	49
	12	S	24.30	12.15	5.31	99	7.78	3	29
		D	23.40	13.68	4.82	89	7.75	4	33
	13	S	25.40	10.55	5.45	101	7.71	2-19	43
		D	24.90	10.44	4.98	92	7.69	4-18	83

Location: HAWKESBURY RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
18. xii	14	S	24.00	5.38	5.32	91	7.64	2	43
		D	23.40	8.53	5.60	98	7.65	4	41
	15	S	23.80	5.87	5.90	101	7.75	2-31	6
		D	23.60	5.66	5.82	99	7.73	3-14	27
	16	S	24.00	5.36	5.84	100	7.86	3-24	14
		D	23.70	5.66	5.79	99	7.75	3-30	35

Location: MIDDLE HARBOUR - PORT JACKSON

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
9.1	1	S	22.30	19.36	5.96	116		7-4	10
	3	S	23.00	19.20	5.28	103		10-2	0
	5	S	25.50	19.23	3.27	67		23-6	59
23.1	1	S	22.40	17.76	6.25	119			0
	3	S	23.40	12.35	4.60	84			198
	5	S	28.30	13.10	2.58	52			336
6.11	1	S	22.20	18.15	6.03	114		7-12	0
	3	S	22.80	17.15	5.05	96		6-20	107
	5	S	24.60	17.05	2.46	48		38-20	9
7.111	1	S	22.80	19.14	4.61	90		14-6	6
	3	S	25.00	18.03	4.60	92		15-0	0
	5	S	29.50	18.55	2.74	60		53-1	0
2.1v	1	S	22.00	19.20	5.62	108		7-6	8
	3	S	23.10	18.48	4.41	86		9-11	53
	5	S	26.60	18.73	1.95	40		29-23	44
16.1v	1	S	20.20	19.37	5.38	101		11-0	4
	3	S	20.80	18.90	5.02	94		7-6	3
	5	S	22.20	18.69	1.95	37		35-11	25
3.v	1	S	19.20	19.63	5.02	93		11-6	4
	3	S	18.50	19.30	5.09	93		11-12	0
	5	S	21.50	18.75	0.75	14		36-81	0
14.v	1	S	19.40	19.56	5.34	99		2-6	4
	3	S	17.90		5.12			3-13	0
	5	S	20.00	19.36	1.75	33		29-17	68
28.v	1	S	17.20	19.42	5.39	96		9-0	40
	3	S	16.90	18.87	5.31	93		11-0	10
	5	S	19.30	18.80	0.24	4		45-0	0

Location: MIDDLE HARBOUR - PORT JACKSON

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
12.vi	1	S	17.80	18.86	5.53	99		16-11	722
	3	S	17.40	18.05	5.24	92		13-6	60
	5	S	18.60	18.07	2.85	51		26-12	205
25.vi	1	S	16.80	18.26	5.06	88		15-11	145
	3	S	15.60	14.97	6.03	99		9-7	195
	5	S	18.80	16.63	3.25	58		22-17	359
7.vii	1	S	15.60	18.85	5.52	95		6-11	76
	3	S	15.20	17.76	5.93	104		6-17	89
	5	S	20.10	17.86	1.82	34		27-23	103
23.vii	1	S	15.40	19.29	6.23	107		14-0	47
	3	S	15.00	18.84	6.09	104		13-0	30
	5	S	17.20	18.64	2.77	36		49-0	95
6.viii	1	S	15.00	18.75	5.66	96		9-5	88
	3	S	13.50	17.28	6.09	99		3-24	42
	5	S	18.20	17.49	2.32	41		18-26	195
20.viii	1	S	15.10	19.23	6.70	115		6-2	5
	3	S	14.40	18.89	6.32	107		12-5	0
	5	S	18.40	18.69	3.06	55		12-29	52

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 10.1	1	S	21.60	19.40	4.84	93	8.15	9-1	8
		D	17.90	19.43	4.68	85	8.06	11-6	35
	2	S	23.60	19.37	4.98	99	8.08	4	0
		D	21.00	19.37	5.02	95	8.12	7	0
	3	S	21.80	19.38	5.17	99	8.15	7	0
		D	21.70	19.37	5.67	109	8.11	5	0
	4	S	23.90	19.44	4.92	98	8.05	3-12	0
		D	23.70	19.43	5.09	101	8.04	4-12	0
	5	S	24.00	19.36	5.20	104	8.04	3	0
		D	23.90	19.30	5.20	104	7.92	3	0
	6	S	23.80	19.48	5.06	101	8.10	4	0
		D	23.90	19.47	5.06	101	8.08	5	0
	7	S	24.80	19.29	4.58	93	8.01	8-5	0
		D	24.80	19.27	4.41	74	8.00	7-8	0
	8	S	25.20	19.02	4.61	94	7.98	7	0
		D	24.90	19.19	4.28	86	7.97	12	0
	9	S	25.60	18.43			7.89	7-10	0
		D	25.60	18.40	4.30	84	7.90	6-17	0
	10	S	25.80	17.47	4.37	88	7.84	3	0
		D	25.80	17.49	4.38	88	7.84	4	0
	11	S	25.80	15.83	4.18	83	7.64	7-15	0
		D	25.80	16.00			7.73	8-19	0
	12	S	26.00	11.91	4.23	80	7.68	9	27
		D	26.00	12.61	4.04	77	7.58	0	23
12- 13.111	1	S	22.50	18.48	5.36	103	8.12	2-10	0
		D	21.20	19.38			8.18	3-6	0
	2	S	22.80	18.16	5.10	98	8.17	2	0
		D	22.20	19.13	4.98	96	8.15	0	0
	3	S	22.30	18.83	4.98	96	8.16	3	0
		D	22.20	18.89	5.57	107		0	0
	4	S	23.00	18.01	4.87	94	8.03	23-0	0
		D	22.20	18.71	4.34	83	8.02	0-20	3
	5	S	23.00	18.24	4.70	91	8.02	2	2
		D	22.80	18.28	4.92	95	8.00	0	0
	6	S	22.90	17.97	4.32	83	8.03	0	0
		D	22.80	17.92	4.82	93	8.04	0	0

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
12- 13.111	7	S	22.90	17.53	4.76	91	8.07	0-15	0
		D	22.70	17.73	4.70	90	8.08	0-15	0
	8	S	23.50	16.33	4.93	94	8.05	0	12
		D	22.80	17.35	2.91	56	7.90	5	15
	9	S	24.00	14.31	4.60	87	7.96	0-12	31
		D	23.07	15.25	4.28	80	7.93	2-12	25
	10	S	24.50	11.76	5.15	95	7.82	0	28
		D	24.10	12.57	4.25	79	7.81	2	74
	11	S	24.60	7.68	3.91	69	7.70	0-13	78
		D	24.50	7.01	3.99	70	7.63	3-10	105
	12	S	24.90	4.09	3.77	65	7.53	0	98
		D	24.80		3.83		7.47	6	0
16.111	13	S	22.80	0.17	5.06	81	7.05	0-6	0
	15	D	22.70	0.41	4.92	78	6.78	6-28	0
	16	S	24.90	0.20	4.35	72	7.31	7-27	197
		D	24.50	0.23	3.86	63	6.90	5-23	229
	17	S	24.90	0.20			6.91	4-26	191
	18	S	20.60	0.10	4.07	63	6.16	5-7	3
	19	S	25.10	0.60	7.37	123	6.90	8-30	371
	21	S	24.40	0.07	4.69	77	6.79	6-4	1
9- 10.11	1	S	22.40	19.46	4.75	92	8.17	4-6	0
		D	22.10	19.42	4.89	95	8.21	7-1	2
	2	S	19.80	18.73	5.35	99	8.12	7	0
		D	20.40	19.10	4.98	93	8.16	8	2
	3	S	20.60	19.30			8.20	6	0
		D	20.30	19.31	4.96	93	8.20	3	0
	4	S	19.90	18.42	5.36	99	8.08	14-3	7
		D	19.30	18.71	4.86	89	8.08	7-7	0
	5	S	19.60	18.57	5.39	99	8.11	8	0
		D	19.10	18.59			8.11	10	0
	6	S	19.30	18.50	5.25	96	8.10	2	0
		D	19.20	18.37	5.18	95	8.08	0	3
	7	S	19.60	18.59	5.05	93	8.08	7-11	0
		D	19.70	18.81	4.92	91	8.10	7-11	0
	8	S	19.40	17.67	5.20	94	8.00	4	9
		D	19.30	18.60	4.94	90	8.07	10	5

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
9- 10. iv	9	S	19.10	16.21	4.92	87	8.00	0-17	11
		D	19.20	16.28	4.83	86	7.97	0-43	18
	10	S	19.00	14.92	4.91	86	7.92	0	14
		D	19.10	14.98	4.80	84	7.87	0	20
	11	S	19.20	12.81	4.80	82	7.64	2-14	34
		D	19.20	12.71	4.68	80	7.68	0-22	35
	12	S	19.50	7.90	4.67	76	7.61	2	113
		D	19.60	7.85	4.96	81	7.52	2	140
13. iv	13	S	17.10	0.17	6.80	98	7.51	0-5	4
	15	S	16.50	3.12	4.18	61	6.89	2-4	43
	16	S	19.20	1.22	5.00	74	7.16	3-6	262
		D	19.20	1.22	5.39	80	7.08	3-7	289
	17	S	19.40	0.79	5.65	85	7.06	5-8	300
	18	S	15.00	0.17	4.92	68	6.20	5-11	3
	19	S	19.70	0.51	5.48	83	7.34	10-22	444
	21	S	18.20	0.17	5.28	78	7.43	4-4	7
14. v	13	S	13.50	0.07	7.35	99	8.11	2-5	2
	15	S	15.80	0.10			6.97	0-10	6
	16	S	16.10	3.82	6.55	96	7.11	7-46	347
		D	15.70	5.25	5.75	85	7.21	4-19	262
	17	S	16.10	3.08	6.35	92	7.45	7-63	537
	18	S	12.80	0.12	5.61	75	6.00	0-10	13
	19	S	13.30	0.67	4.54	74	7.49	7-28	376
	21	S	14.90	0.15	5.75	80	8.49	7-28	467
17- 18. v	1	S	19.10	19.52	5.29	98	8.20	0-14	0
		D	18.20	19.49	5.10	93	8.17	4-29	0
	2	S	22.90	19.08	5.64	110	8.12	7	0
		D	16.90	19.10	5.13	90	8.17	7	0
	3	S	18.20	19.50	5.37	98	8.19	7	0
		D	16.70	19.51	5.46	96	8.15	4	0
	4	S	16.20	19.00	5.43	94	8.23	7-11	0
		D	16.10	19.20	4.96	86	8.15	6-58	10
	5	S	16.20	19.15	5.78	101	8.21	9	0
		D	15.90	19.16	5.62	98	8.18	5	0

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 17- 18.v	6	S	15.40	18.84	5.62	97	8.21	7	0
		D	15.50	18.91	5.66	97	8.14	7	0
	7	S	15.20	18.82	5.40	92	8.07	7-9	0
		D	15.90	19.11	5.36	93	8.08	4-9	0
	8	S	15.20	18.78	5.42	93	8.03	7	0
		D	15.40	18.91	5.32	91	8.09	8	0
	9	S	14.80	18.33	5.36	90	7.90	3-9	0
		D	14.80	17.52	5.53	92		4-7	0
	10	S	14.90		5.34		7.97	3	0
		D	14.80	17.59	5.25	88	7.94	3	0
	11	S	15.00	15.51	4.49	74	7.72	2-9	5
		D	14.80	15.56	5.49	90	7.71	3-9	4
	12	S	15.20	13.13	5.46	88	7.72	3	17
		D	15.10	13.13	5.48	88	7.69	2	24
13- 15.vi	1	S	17.30	17.77	5.90	103		7-12	81
		D	17.70	19.59	4.70	85		12-8	89
	2	S	17.00	17.46	6.03	105		6	76
		D	17.70	18.53	3.18	56		10	23
	3	S	17.00	17.23	6.13	106		5	65
		D	17.10	17.28	6.03	105		5	54
	4	S	16.90	17.15	5.45	94		9-9	50
		D	17.40	19.20	5.39	96		11-16	34
	5	S	16.90	17.32	5.49	95		8	59
		D	16.90	17.34	5.32	92		9	47
	6	S	17.00	17.26	5.53	96		8	43
		D	17.20	18.25	5.42	95		5	32
	7	S	16.80	16.65	5.29	91		7-6	58
		D	17.00	17.51	5.12	89		5-6	48
	8	S	16.60	13.94	4.95	82		13	113
		D	16.80	16.58	4.75	81		7	69
	9	S	16.20	10.86	4.77	76		13-24	176
		D	16.20	11.04	4.53	72		10-30	192
	10	S	15.80	6.45	4.90	74		11	334
		D	15.80	6.42	4.70	71		7	363
	11	S	15.50	1.70	5.09	72		16-27	479
		D	15.40	1.94	4.97	71		12-59	474

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
13-15.vi	12	S	15.30	0.22	5.39	75		14	411
		D	15.30	0.22	5.32	74		16	411
	13	S	14.50	0.08	6.83	94		3-7	13
	15	S	14.80	0.08	6.62	91		3-2	3
	16	S	15.20	0.10	4.70	65		22-42	795
		D	15.20	0.12	4.16	58		34-27	729
	17	S	15.50	0.10	4.83	68		43-17	720
	18	S	14.90	0.08	5.62	78		4-3	21
	19	S	15.00	0.13	3.66	70		173	1155
	21	S	14.90	0.11	5.87	81		9-11	169
12-13.vii	1	S	15.40	18.58	5.76	98	8.26	5-5	15
		D	17.20	19.42	5.52	98	8.24	14-7	7
	2	S	13.70	18.07	6.19	102	8.24	5	39
		D	16.60	19.17	5.66	99	8.19	11	13
	3	S	14.90	18.77	6.54	111	8.27	6	0
		D	15.20	18.80	6.73	115	8.28	4	0
	4	S	14.20	17.84	6.50	108	8.26	7-8	15
		D	15.90	18.74	5.77	100	8.24	4-6	28
	5	S	13.80	17.76	6.39	105	8.22	4	25
		D	14.60	18.36	6.45	109	8.26	7	10
	6	S	14.40	18.23	6.37	107	8.27	5	12
		D	15.40	18.63	6.32	108	8.28	1	0
	7	S	13.70	16.91	6.34	103	8.24	1-23	33
		D	14.50	17.66	6.50	108	8.29	0-27	9
	8	S	13.40	16.31	6.23	100	8.21	1	63
		D	14.30	17.63	6.17	102	8.24	10	20
	9	S	11.40	9.91	6.26	90	8.07	13-28	141
		D	11.80	11.61	5.96	88	8.09	15-27	129
	10	S	10.90	6.59	6.31	86	7.91	8	207
		D	11.00	6.86	6.42	88	7.94	3	185
	11	S	9.90	3.11	6.48	84	8.32	3-39	223
		D	10.00	3.03	6.42	83	7.51	1-38	215
	12	S	9.90	0.41	6.42	80	7.92	18	252
		D	9.90	0.85	6.36	80	8.03	15	253
	13	S	8.70	0.07	7.95	96	5.37	3-1	3
	15	S	8.20	0.12	7.64	91	6.75	3-3	2

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
12-13.vii	16	S	8.70	0.13	5.75	70	6.90	25-17	416
		D	8.70	0.13	5.94	72	6.85	22-16	395
	17	S	8.90	0.12	5.85	71	6.87	26-18	374
	18	S	8.50	0.07	7.16	86	6.35	2-5	16
	19	S	8.90	0.43	4.42	54	7.35	38-45	663
	21	S	10.40	0.05	7.63	96	7.87	9-1	26
14-16.viii	1	S	14.50	19.11	6.65	113	8.27	3-8	7
		D	14.60	19.36	6.39	109	8.25	11-0	0
	2	S	12.20	18.20	7.18	115	8.36	2	0
		D	12.20	18.64	7.33	118	8.35	7	0
	3	S	12.60	19.10	6.92	113	8.32	4	0
		D	12.20	19.09	6.99	113	8.34	9	0
	4	S	12.40	18.42	6.92	112	8.30	2-11	0
		D	12.60	18.75	6.90	113	8.32	7-0	0
	5	S	12.40	18.65	7.05	114	8.32	5	0
		D	12.70	18.83	6.70	109	8.32	4	0
	6	S	12.20	18.24	7.06	114	8.33	6	0
		D	13.00	19.00	6.71	110	8.29	0	0
	7	S	12.40	18.45	6.43	104	8.31	0	0
		D	12.60	18.60	6.46	105	8.30	12	0
	8	S	11.50	16.28	6.70	104	8.31	2	5
		D	11.70	17.41	6.66	105	8.30	4	0
	9	S	10.60	14.75	6.70	100	8.35	1-18	35
		D	11.40	15.98	6.69	103	8.34	8-27	14
	10	S	10.80	13.97	6.80	101	8.35	0	61
		D	11.00	14.67	6.52	98	8.31	5	35
	11	S	10.20	7.58	6.83	93	8.13	3-30	222
		D	10.40	7.28	6.87	94	8.12	12-12	176
	12	S	10.20	4.85	6.51	86	7.85	1	261
		D	10.40	4.49	6.44	85	7.72	14	235
	13	S	10.00	0.06	7.51	93	7.71	0-12	0
	15	S	9.20	0.06	7.21	88	6.81	8-4	9
	16	S	10.60	0.06	5.35	68	6.95	20-22	453
		D	10.70	0.06	4.86	62	7.92	18-25	465
	17	S	10.90	0.06	5.32	68	6.79	18-33	321
	18	S	9.00	0.06	7.06	114	6.90	6-9	9

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
14- 16.viii	19	S	8.40	0.06	3.25	39	7.39	25-55	431
	21	S	10.80	0.06	7.47	95	7.70	12-3	82
10- 13.ix	1	S	16.10	19.36	5.89	103	8.18	7-0	9
		D	16.50	19.62	5.54	98	8.17	10-2	13
	2	S	15.40	18.82	6.39	110	8.15	3	0
		D	16.00	19.39	5.03	88	8.12	13	0
	3	S	16.20	19.24	5.84	102	8.16	7	0
		D	15.90	19.27	6.37	111	8.22	6	0
	4	S	15.80		5.96		8.10	7-11	0
		D	15.30	19.07	6.00	103	8.18	7-11	0
	5	S	15.60	18.75	5.96	102	8.12	6	0
		D	15.00	18.83	5.96	101	8.17	3	0
	6	S	15.90	18.73	5.89	102	8.14	6	0
		D	15.70	19.04	6.01	104	8.17	6	0
	7	S	15.40	18.90	5.78	99	8.16	11-2	0
		D	15.50	18.85	5.96	102	8.16	7-4	4
	8	S	15.20	18.34	5.92	101	8.14	4	0
		D	15.30	18.43	5.76	98	8.12	7	0
	9	S	15.00	16.86	5.75	96	8.03	6-11	0
		D	15.00	16.85	5.62	94	8.09	3-8	0
	10	S	15.00	14.28	5.88	95	8.00	7	13
		D	15.00	14.31	5.88	95	8.00	7	13
	11	S	14.80	9.47	5.71	87	7.83	6-3	158
		D	15.00	9.73	5.84	90	8.00	7-11	134
	12	S	15.10	6.93	5.48	82	7.72	6	232
		D	15.00	6.80	6.10	91	7.66	7	260
	13	S	16.20	0.22	6.56	93	7.56	0-7	4
	15	S	16.00	3.04	5.77	84	7.05	3-13	110
	16	S	15.70	1.18	5.77	82	7.12	6-25	425
		D	15.70	1.41	5.53	79	7.22	3-27	425
	17	S	16.50	0.37	6.12	87	7.44	9-26	470
	18	S	12.70	0.21	5.56	74	7.60	3-15	250
	19	S	15.60	0.62	6.15	87	7.82	7-64	430
	21	S	16.30	0.12	6.56	93	7.08	3-4	85

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 9- 11.x	1	S	17.40	18.41	5.35	94	8.37	0-16	12
		D	18.10	19.40	5.18	93	8.21	10-2	39
	2	S	17.60	18.24	6.16	109	8.23	4	0
		D	17.80	19.25	5.06	91	8.18	3	0
	3	S	18.00	18.56	5.65	101	8.23	2	0
		D	18.00	18.94	5.56	100	8.23	2	0
	4	S	17.80	17.97	5.97	107	8.23	8-4	0
		D	17.60	18.52	5.67	101	8.19	2-8	0
	5	S	17.90	17.87	5.91	105	8.22	3	7
		D	17.60	18.17	5.17	91	8.23	2	0
	6	S	17.80	17.88	5.85	103	8.23	3	0
		D	17.80	18.23	5.40	96	8.23	7	0
	7	S	17.60	16.91	5.74	100	8.14	4-1	0
		D	17.80	17.25	5.21	91	8.15	14-19	10
	8	S	18.20	16.49	5.62	99	8.15	7	2
		D	18.00	17.31	5.96	105	8.13	4	0
	9	S	18.20	13.28	5.44	92	7.98	5-4	72
		D	18.20	13.62	4.90	83	7.98	3-15	82
	10	S	18.10	9.82	4.98	81	7.80	10	152
		D	18.20	10.19	5.01	82	7.80	7	162
	11	S	18.10	6.02	5.28	83	7.50	10-4	277
		D	18.40	6.23	5.04	79	7.50	10-3	231
	12	S	18.90	1.67	5.27	80	6.79	7-28	422
		D	18.80	1.71	5.01	76	7.04	12-28	350
	13	S	18.20	0.42	6.43	95	8.16	3-7	12
	15	S	18.20	0.34	5.65	83	7.30	2-9	11
	16	S	18.40	0.17	3.48	51	6.75	17-40	502
		D	18.40	0.18	3.24	48	6.80	21-39	510
	17	S	19.00	0.12	2.97	44	6.81	24-38	500
	18	S	15.90	0.08	6.15	87	6.69	6-8	98
	19	S	18.50	0.29	3.18	47	6.56	10-44	565
	21	S	18.50	0.11	5.70	84	6.79	3-13	30
12.xi	13	S	20.40	0.29	6.12	94		0-9	0
	15	S	20.60	7.43	5.59	93	7.49	1-8	252
	16	S	22.00	4.15	6.55	107	7.47	3-27	538
		D	21.60	4.99	6.60	108	7.47	3-21	481

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 12.xi	17	S	22.20	2.25	7.05	114	7.26	4-30	790
	18	S	16.60	0.17	4.52	65	6.30	12-12	1334
	19	S	19.70	0.65	7.65	116	7.22	26-84	1334
	21	S	22.70	0.22	5.48	87		1-9	12
15.xi	1	S	17.80	19.37	5.71	103	8.12	8-2	8
		D	17.20	19.65	5.78	103	8.12	10-0	8
	2	S	19.90	19.62	5.80	108	8.07	3	0
		D	19.90	19.62	5.59	104	8.05	8	0
	3	S	18.60	19.66	5.98	110	8.12	7	0
		D	18.90	19.67	5.98	110	8.11	7	2
	4	S	19.90	19.51	5.90	110	8.04	7-3	0
		D	20.00	19.52	5.98	112	8.02	13-8	0
	5	S	20.00	19.56	5.68	106	8.02	4	3
		D	20.00	19.54	5.77	108	8.04	8	6
	6	S	19.80	19.50	5.48	102	8.00	3	5
		D	19.90	19.50	5.43	101	7.98	6	0
	7	S	20.20	19.40	5.10	96	7.95	4-27	7
		D	20.30	19.42	5.16	97	7.98	2-30	7
	8	S	20.70	19.13	5.17	97	7.94	6	14
		D	20.80	19.15	5.27	99	7.91	0	7
	9	S	21.20	18.19	5.17	97	7.89	3-25	6
		D	21.50	18.20	5.22	98	7.82	3-37	10
	10	S	21.40	17.32	5.20	98	7.81	2	10
		D	21.60	17.32	5.11	96	7.75	3	21
	11	S	21.60	14.12	5.04	91	7.65	0-34	51
		D	21.50	14.07	5.03	91	7.63	0-17	56
	12	S	21.90	11.04	5.17	91	7.62	2	187
		D	22.00	10.97	5.13	90	7.56	2	159
6.xi	13	S	27.90	0.16	5.77	100		3-3	0
	15	S	30.80	9.12	4.11	82		4-18	21
	16	S	24.70	5.83	3.91	68		2-34	327
		D	24.20	6.04	4.37	76		2-28	343
	17	S	24.80	5.47	4.33	75		2-31	323
	18	S	23.60	0.27	5.86	95		2-15	0
	19	S	23.80	1.42	5.99	98		19-39	417
	21	S	26.70	0.23	4.95	84		3-22	3

Location: GEORGES RIVER - BOTANY BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
12-	1	S	18.90	19.68	5.17	95		10-10	34
13. xii		D	21.00	19.69	4.96	94		16-6	29
	2	S	19.50	19.70	5.42	101		7	17
		D	21.00	19.75	5.10	97		6	25
	3	S	19.00	19.72	5.32	98		10	21
		D	18.90	19.69	5.32	98		12	21
	4	S	20.00	19.77	5.54	104		4-21	4
		D	19.40	19.76	5.06	94		5-60	13
	5	S	20.90	19.80	5.44	103		7	5
		D	20.40	19.75	5.37	101		4	11
	6	S	20.70	19.83				11	21
		D	21.20	19.83	4.40	83		11	36
	7	S	21.20	19.89	4.53	87		5-23	12
		D	21.50	19.98	4.25	82		8-42	15
	8	S	22.20	19.77	4.17	81		7	14
		D	21.00	19.76	3.59	68		11	32
	9	S	22.00	19.35	4.17	80		8-29	16
		D	22.30	19.36	4.02	78		7-43	23

Location: SHELL POINT - GEORGES RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 25.i	1	S	21.10	9.86	3.54	61	8.28	211	1
		D	21.20	26.30	0.01	0	8.03	184	55
	2	S	19.30	3.84	4.84	76	8.54	5-63	8
	3	S	20.40	16.65	0.01	0	8.49	290	31
	4	S	20.10	12.23	0.00		7.57	327	482
	5	S	20.20	14.60	0.00		7.74	259	137
	6	S	22.80	10.04	6.15	108	8.44	4-23	0
	9	S	22.80	9.95	5.94	105	8.33	15-41	0
	1	S	22.30	13.52	2.57	47	8.09	230	18
		D	22.20	25.96	0.00	0	7.86	181	96
	2	S	22.00	3.88			8.59	13-95	34
	3	S	22.00	15.04			8.52	343	4
	4	S	21.80	2.94			7.53	217	3
	5	S	21.50	13.50			7.83	347	0
	6	S	26.10	17.07	6.52	131	8.23	3-57	3
	9	S	26.20	17.19	7.32	148	8.36	0-81	12
	1	S	12.40	22.41	2.95	50	8.15	523	376
		D	12.40	22.45	2.60	44	8.12	480	93
	2	S	12.80	4.51	4.54	63	8.74	47	99
	3	S	13.00	11.18	3.38	51	8.33	357	364
	4	S	15.00	8.79	0.00	0	7.57	557	157
	5	S	14.30	13.83	0.10	2	8.00	515	0
	6	S	16.20	19.31	4.22	74	8.32	60	4
	9	S	16.10	19.40	7.60	137	8.60	13	6
16.v	1	S	15.30	16.90	3.14	53		285-0	204
		D	14.90	19.69	1.26	22		285-0	211
	2	S	12.20	3.25	5.83	79		25-0	93
	3	S	14.90		0.17			312	0
	4	S	12.40	1.48	4.56	61		240-68	0
	5	S	12.80	4.16	0.25	3		310-0	0
	6	S	12.50	6.42	5.03	71		43	67
	9	S	12.20	6.17	6.10	85		24-4	30
18.vi	1	S	15.30	16.90	3.14	53		285-0	204
		D	14.90	19.69	1.26	22		285-0	211
	2	S	12.20	3.25	5.83	79		25-0	93
	3	S	14.90		0.17			312	0
	4	S	12.40	1.48	4.56	61		240-68	0
	5	S	12.80	4.16	0.25	3		310-0	0
	6	S	12.50	6.42	5.03	71		43	67
	9	S	12.20	6.17	6.10	85		24-4	30

Location: SHELL POINT - GEORGES RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 10. vii	1	S	11.60	15.50	5.81	89	8.35	424-22	77
		D	11.50	19.54	1.26	20	8.20	446-9	132
	2	S	9.50	2.89	6.62	84	8.66	74-0	26
	3	S	10.00		0.06		8.69	468	0
	4	S	10.10	1.04	6.85	87	8.17	172-0	106
	5	S	10.20	11.94	0	0	7.95	578-0	11
	6	S	9.50	8.47	7.24	98	8.56	28-40	6
	9	S	9.60	8.51	7.42	101	8.58	2-40	16
16. viii	1	S	10.60	18.74	5.84	92	8.38	390-0	0
		D	9.40	18.81	6.10	93	8.41	405-0	0
	2	S	9.50	2.76	7.38	94	8.65	28-27	64
	3	S	9.60	8.64	4.97	68	8.52	445-75	132
	4	S	9.60	6.49	0.93	12	7.66	549-0	50
	5	S	9.60	12.31	0.25	4	7.90	546	0
	6	S	11.50	13.51	6.43	93	8.48	80-25	6
	9	S	11.70	13.45	6.67	100	8.52	5-6-1	6
16. x	1	S	18.80	20.38	3.38	63	8.43	370-53	0
		D	19.00	20.31	3.98	74	8.42	332-67	0
	2	S	16.80	3.37	4.76	70	7.59	63-492	165
	3	S	18.20	11.65	1.29	21	8.59	561-0	0
	4	S	18.30	5.09	7.55	117	8.03	593-72	0
	5	S	18.00	11.03	2.30	38	8.01	648	0
	6	S	21.30	19.01	5.17	98	8.05	57-33	0
	9	S	21.60	19.02	5.11	98	7.93	15-106	0
11. xi	1	S	16.20	31.33	2.43	48	8.48	545-0	0
		D	16.20	31.06	2.81	55	8.50	520-0	0
	2	S	14.90	5.26	4.36	63	8.75	49-39	293
	3	S	14.20	20.27	3.31	56	8.86	187	0
	4	S	14.20	9.99	1.89	29	8.47	635-25	46
	5	S	14.40	17.05	1.68	28	8.35	547	55
	6	S	17.40	33.93	4.59	100	8.61	27-39	21
	7	S	18.00	35.44	4.62	100	8.64	13-63	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
2.1	4	S	22.10	19.46	4.96	96	8.15	11-12	0
		D	21.00	19.50	3.44	65	8.03	15-168	15
8.1	1	S	17.40	19.59	5.10	91	8.05	9-3-7	32
		D	18.80	19.61	4.91	90	8.17	12-6-0	38
	4	S	23.40	19.48	4.94	96	8.23	3-7-9	0
		D	21.30	19.49	3.73	67	8.14	16-21	15
	6	S	22.60	19.49	4.92	96	8.19	6-14-5	3
		D	21.50	19.49	4.15	80	8.13	14-1-2	0
	8	S	26.10	17.35	3.52	71	7.95	3-2-8	0
		D	25.90	17.58	3.52	70	7.68	4-3-1	6
15.1	4	S	22.90	19.14	4.86	95	8.07	7-0-5	0
		D	21.60	19.34	3.27	63	8.17	19-101	3
22.1	1	S	22.10	14.62	5.01	92	7.57	10-25	11
		D	21.40	19.35	5.21	99	7.88	8-25	0
	4	S	22.30	12.33	4.26	76	7.89	10-193	12
		D	21.80	19.50	3.12	60	7.47	20-27	19
	6	S	21.50	5.63	4.44	72	7.67	11-21	36
		D	21.60	19.47	3.72	71	7.49	15-10	0
31.1	4	S	21.60	16.18	5.94	110	7.97	0-13-4	4
		D	23.60	19.46	3.74	74	7.71	13-12	33
5.11	1	S	20.70	19.23	4.97	94	8.02	12-0-0	143
		D	19.40	19.34	5.07	94	7.81	9-3-8	5
	4	S	22.80	17.79	5.05	97	7.99	6-1-6	20
		D	21.50	19.35	1.23	24	7.71	39-8-1	91
	6	S	23.30	17.19	5.19	100	7.90	9-1-22	14
		D	21.80	19.33	2.23	43	7.73	20-5-2	9
	8	S	25.10	11.84	4.75	89	7.68	3-4-10	37
		D	24.60	13.70	4.54	84	7.75	6-6-0	0
12.11	4	S	22.20	19.46	4.32	84		49-30	3
		D	21.50	18.69	5.23	99		9-8-6	110

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
19.11	1	S	22.70	19.18	4.36	85		9-10-1	
		D	22.60	19.22	5.10	99		3-10-2	
	4	S	23.90	18.60	4.90	97		1-11-0	
		D	23.00	18.83	4.57	89		6-9-0	
	6	S	23.90	18.53	5.32	105		8-4-0	
		D	23.70	18.91	4.33	85		25-0-0	
	8	S	26.40	8.83	4.51	84		8-2-9	
		D	25.90	9.97	4.41	82		1-9-0	
27.11	4	S	23.80	17.51	4.76	93	8.09	0-13-2	0
		D	21.50	19.38	0.42	8	7.78	94-39	0
6.111	1	S	22.20	19.71	5.03	98	8.16	7-10	0
		D	18.20	19.90	4.83	88	8.18	9-0	13
	4	S	25.40	18.67	4.69	92	8.14	6-9	0
		D	22.20	19.51	1.01	20	7.83	44-8	61
	6	S	25.50	18.16	4.69	95	8.10	3-6	13
		D	22.00	19.53	0.34	7	7.78	44	105
	8	S	26.40	13.66	3.73	73	7.92	4-7	0
		D	26.00	16.58	2.93	58	7.86	15	37
12.111	4	S	22.70	18.72	4.41	85	8.13	16-0-0	8
		D	21.70	19.33	0.03	1	7.77	103-80	39
19.111	1	S	23.40	18.65	4.93	97	8.16	3-4-0	21
		D	20.40	19.42	4.91	92	8.18	6-1-0	34
	4	S	23.70	18.80	5.04	99	8.18	3-4-0	0
		D	21.50	19.30	0.93	18	7.73	108-0	265
	6	S	23.70	18.68	5.02	99	8.17	6-1-0	0
		D	23.20	18.97	4.98	98	8.17	6-6-2	0
	8	S	26.20	16.43	3.56	71	7.90	2-0-0	0
		D	25.80	17.37	3.24	65	7.87	4-2-0	0
27.111	4	S	24.00	18.90	4.86	96	8.12	10-12	16
		D	22.10	19.20	1.46	28	7.89	53-264	111

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 3.iv	1	S	21.90	19.30	4.93	95	8.16	6-0-0	0
		D	22.60	19.31	4.88	95	8.16	9-14-0	0
	4	S	22.50	18.97	4.70	91	8.14	9-50	5
		D	22.00	19.20	1.75	34	7.94	63-38	0
	6	S	22.80	18.90	4.23	82	8.12	6-4-0	8
		D	22.20	19.08	4.53	87	8.16	13-2-0	4
	8	S	24.30	14.95	3.67	70	7.92	6-9-4	9
		D	24.30	17.41	3.38	66	7.92	6-2-2	3
	4	S	20.90	19.09	5.03	95	8.11	6-11-0	0
		D	20.60	19.10	4.28	80	8.06	10-10	0
	16.iv	S	20.00	19.54	5.18	97	8.18	6-3-0	15
		D	23.90	19.53	5.20	104	8.15	5-10-3	7
		S	19.60	19.19	4.80	89	8.10	8-7-0	2
		D	19.50	19.22	4.71	87	8.13	16-1-5	4
		S	20.00	19.10	4.86	91	8.12	8-7-3	0
		D	19.90	19.12	4.77	89	8.15	8-6-0	3
		S	21.40	17.64	3.90	73	7.99	3-9-0	0
		D	20.90	18.10	4.05	76	8.01	4-7-0	3
	23.iv	S	18.90		5.29		8.17	8-13	
		D	18.40	18.93	5.02	91	8.19	8	0
	28.v	S	16.60	18.77	5.67	99	8.17	12-2-0	3
		D	17.10	19.23	4.74	84	8.16	13-1-4	8
		S	17.30	18.41	5.34	94	8.14	12-3-5	8
		D	17.20	19.06	4.83	86	8.16	14-0-3	10
		S	17.40	9.51	5.52	88	8.09	5-1-0	34
		D	17.80	16.64	4.22	74	7.96	8-0-0	11
	29.v	S	18.10	19.67	5.34	97	8.23	6-12-0	9
		D	16.00	19.36	5.66	99	8.25	5-26	11
	5.vi	S	16.10	18.85	5.38	93	8.19	6-5-1	22
		D	16.70	18.99	4.70	83	8.14	11-0-0	22

Location: PORT HACKING

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
12.vi	1	S	17.20	17.98	5.70	100	8.11	9-1-0	0
		D	18.00	19.51	5.64	102	8.11	10-15	38
	4	S	17.40	9.17	5.70	85	8.17	9-14-0	0
		D	16.70	17.53	3.35	58	8.12	9-8-3	0
	6	S	17.00	13.45	5.90	98	8.16	8-4-2	0
		D	16.80	19.03	5.16	91	8.05	9-2-15	0
	8	S	15.90	3.85	6.23	91	8.06	10-0-4	28
		D	16.60	17.10	4.33	74	8.11	7-4-6	0
20.vi	4	S	15.80	16.43	5.41	91	8.18	7-0-5	36
		D	14.40	16.64	4.53	74	8.21	9-0-0	28
26.vi	1	S	16.70	17.73	5.28	92		4-10-0	20
		D	15.40	19.13	5.19	89		6-6-18	0
3.vii	4	S	14.90		5.68		8.10	2-22-0	22
		D	16.80		2.73		7.92	9-117	87
11.vii	1	S	14.90	18.32	5.77	98	8.20	7-5-3	17
		D	16.20	19.21	5.90	103	8.18	9-6-3	0
	4	S	14.60	17.92	5.70	95	8.19	6-7-0	0
		D	16.90	19.11	1.95	34	7.92	25-27	163
	6	S	14.00	17.05	5.93	97	8.17	4-8-3	4
		D	16.70	18.91	3.38	59	8.04	29-73	78
	8	S	13.20	5.05	6.78	95	7.82	5-2-5	60
		D	15.50	16.36	5.90	98	8.10	6-6-19	9
16.vii	4	S	15.00	18.33	5.91	100	8.19	0-7-0	47
		D	16.90	19.06	1.96	35	8.00	21-21	154
23.vii	1	S	14.40	18.99	6.02	102	8.20	8-2-0	4
		D	15.60	19.55	5.63	98	8.19	18	12
26.vii	4	S	13.70	18.80	5.83	97	8.28	8-3-1	0
		D	14.30	18.92	5.00	84	8.21	20-88	40
	6	S	14.10	18.69	5.86	98	8.26	5-6-0	0
		D	13.90	18.78	5.80	97	8.28	5-4-6	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
26.vii	8	S	14.40	16.73	5.70	94	8.21	6-0-0	0
		D	14.30	17.21	5.42	89	8.21	1-6-42	0
2.viii	4	S	14.80	9.47	6.59	101	8.03	14-14	11
		D	14.40	18.99	5.32	90	8.02	9-5-40	0
6.viii	4	S	14.30	17.88	6.05	101		4-0-5	18
		D	14.40	19.06	4.67	79		6-1-4	0
	6	S	14.00		6.00			4-1-0	0
		D	14.20	18.99	4.84	81		4-5-53	0
	8	S	13.50	10.36	5.75	86		3-12-2	33
		D	14.00	15.21	4.99	80		2-4-1	2
7.viii	1	S	15.80	19.27	5.99	104	8.22	0	0
		D	14.90		5.91		8.24		
20.viii	1	S	15.60	19.38	6.02	104	8.23	12-10	6
		D	15.90	19.56	5.80	101	8.21	13-17	11
28.viii	4	S	14.40	19.01	6.10	103	8.24	6-0-0	0
		D	14.80	19.17	5.78	98	8.19	12-0-0	0
3.ix	4	S	15.20	19.09	5.97	102	8.19	0-9-0	0
		D	15.10	19.21	5.94	102	8.23	3-15-7	0
	6	S	15.40	18.57	5.90	101	8.18	0-9-3	0
		D	15.70	19.24	5.87	102	8.22	7-8-28	0
	8	S	15.20	13.68	5.80	94	8.13	0-6-1	0
		D		16.63	5.66			0-6-1	0
5.ix	1	S	16.30	19.58	4.73	83	8.19	7-10-0	29
		D	16.20	19.58	5.71	100	8.22	2-10-0	14
14.ix	4	S	17.00	19.16	5.65	100	8.14	3-3-6	0
		D	15.50	19.33	4.92	85	8.16	8-4-8	0
25.ix	1	S	16.50	19.48			7.95	0-0-2	14
		D	16.50	19.57	5.09	90	8.19	9-1-8	18

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 25.ix	4	S	17.80		4.59		7.88	0-0-8	4
		D	16.70	19.41	3.71	65	8.14	16-0-0	4
	6	S	17.40	19.24	5.03	90	8.14	2-5-5	3
		D	16.90	19.36	4.51	80	8.09	3-11-0	3
	8	S	18.30	15.72	3.82	66	7.92	2-2-0	0
		D	18.30	18.32	3.76	67	7.98	2-0-0	0
11.x	1	S	18.40	19.22	2.43	44	8.19	2-10-0	13
		D	18.40	19.20	5.82	106	8.19	6-0-0	3
	4	S	18.40	18.90	5.75	104	8.18	3-11-5	3
		D	17.00	19.33	5.67	100	7.94	22-0-9	13
	6	S	18.60	18.60	5.96	108	8.15	3-4-1	17
		D	17.20	19.21	5.95	106	8.00	21-72	28
	8	S	20.80	16.22	5.20	95	8.03	3-2-0	4
		D	20.30	16.99	3.83	70	7.90	3-4-0	4
22.x	4	S	18.80	19.25	5.71	104	8.15	5-20-1	0
		D	17.50	19.32	4.78	86	8.07	10-21	0
25.x	1	S	16.20	19.60	5.63	99	8.16	10-0-5	42
		D	15.80	19.58	5.23	91	8.13	14-0-0	81
26.x	4	S	18.80	19.35	5.09	93	8.16	8-2-2	0
		D	17.60	19.41	3.60	65	8.17	10-0-9	0
	6	S	18.40	18.13	5.55	99	8.16	8-14-0	0
		D	17.60	19.38	5.45	98	8.17	10-18	0
	8	S	21.00	7.09	5.36	89	8.14	1-27	3
		D	20.50	18.00	5.03	93	8.16	9-14-0	0
30.x	1	S	17.00	19.61	5.40	96	8.18	9-8-4	0
		D	16.60	19.67	5.67	100	8.16	10-2-0	0
1.xi	4	S	18.70	19.49	5.27	97	8.12	1-7-9	0
		D	17.80	19.57	5.46	99	8.18	14-92	0
	6	S	19.60	19.31	5.57	103	8.16	3-4-1	0
		D	17.80	19.55	5.55	100	8.18	11-27	0
	8	S	21.70		5.36		8.10	3-12-0	0
		D	20.90	18.15	5.34	100	8.07	3-2-7	0

Location: PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
12. xi	4	S	19.60	19.48	5.59	104	8.16	3-3-1	5
		D	18.40	19.59	5.10	93	8.15	10-69	5
	6	S	19.90	19.33	5.48	102	8.13	3-0-4	5
		D	18.40	19.55	5.98	109	8.15	6-1-31	5
	8	S	22.00	11.78	5.03	89	7.93	5-2-8	25
		D	21.80	18.21	4.45	84	7.99	2-122	10
16. xi	1	S	17.00	19.62	5.71	102	8.15	6-0-4	4
		D	16.50	19.60	5.19	91	8.14	10-0-0	18
22. xi	4	S	21.00	19.70	5.84	111	8.15	8-7-0	0
		D	18.50	19.62	4.11	75	8.16	14-7-7	3
	6	S	21.40	19.61	5.48	105	8.10	6-7-0	2
		D	18.70	19.63	4.38	80	8.08	11-9-0	10
	8	S	23.80	17.47	4.80	93	8.02	6-5-0	0
		D	22.50	18.60	4.06	78	7.58	3-8-0	2
5. xii	1	S	20.60	19.75	5.49	104	8.09	5-1-2	0
		D	19.30	19.69	5.46	101	8.09	7-3-11	0
6. xii	4	S	21.90	19.76	5.35	103	7.94	6-7-0	0
		D	19.40	19.70	3.58	67	7.86	22-83	8
	6	S	22.60	19.74	5.22	102	7.87	5-9-0	0
		D	19.90	19.71	4.31	80	7.90	14-1-4	0
	8	S	24.30	18.60	4.25	84	7.75	3-9-1	0
		D	24.00	18.72	3.91	77	7.71	4-4-0	9

Location: MALANBAR - PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951	4.vii	1 S	12.10	16.14	8.86	139	8.57	1-7-0	0
		2 S	14.30	14.51	8.10	130	8.47	146-19	0
		3 S	14.00	15.95	6.03	98	8.37	83-34	0
		D	16.00	18.88	2.61	45	7.99	8-100	8
		4 S	14.80	16.39	6.36	105	8.32	11-29	0
		D	15.80	18.96	0.78	13	7.84	16-36	0
	21.viii	1 S	13.20	19.33	6.12	102	8.24	13-0-0	2
		2 S	14.40	19.13	6.65	113	8.23	11-57	2
		3 S	14.00	18.82	6.36	106	8.27	10-2-3	2
		D	14.00	18.98	4.67	78	8.19	22-0-0	9
		4 S	14.20	18.79	6.12	103	8.26	10-2-2	1
		D		19.04	5.78			9-21-7	2
	28.viii	1 S	20.40	18.94	9.68	181	8.57	6-5-6	0
		2 S	18.60	18.96	9.09	165	8.54	3-4-5	0
		3 S	15.00	18.84	6.86	117	8.29	2-4-0	0
		D	15.00	18.94	5.17	88	8.21	4-11-0	0
		4 S	14.70	18.85	6.26	106	8.32	3-9-0	0
		D	15.00	18.91	6.00	102	8.33	4-21-0	17
	4.ix	1 S	18.00	19.31	8.19	148	8.41	12-36	0
		2 S	17.00	19.70	7.16	127	8.26	7-4-5	0
		3 S	16.00	19.34	5.70	99	8.21	44-13	0
		D	15.80	19.11	5.42	94	8.22	7-5	17
		4 S	16.50	18.84	5.70	100	8.22	7-4-5	19
		D	16.20	19.03	5.90	103	8.27	12-8	9
	12.ix	1 S	21.30	19.41	5.30	101	8.61	40-20	63
		2 S	22.00	19.20	8.40	162	8.86	102-28	0
		3 S	17.40	18.95	5.86	104	8.38	7-30	10
		D	15.80	19.10	4.77	83	8.30	13-11	0
		4 S	17.60	18.86	5.96	106	8.37	7-6-0	4
		D	16.20	19.04	5.69	99	8.37	7-4-4	0
	12.x	1 S	23.40	19.00	7.30	143		10-5-4	48
		2 S	24.40	18.83	7.45	148		10-4-5	12
		4 S	21.60	18.80	5.63	107		5-12-2	0

Location: MAIANBAR - PORT HACKING

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
23.x	1	S	19.80	19.78	5.83	109	8.13	11-27	14
	2	S	21.80	19.65	9.15	176	8.60	9-28	4
	3	S	20.40	19.21	6.01	113	8.25	5-33	1
		D	20.40	19.22	5.77	108	8.12	18-83	1
	4	S	20.40	19.17	6.01	113	8.27	7-22	2
		D	19.20	19.19	5.75	106	8.24	10-23	1
2.xi	1	S	19.00	19.66	6.26	115	8.09	5-5-7	4
	2	S	19.50	19.59	5.40	100	8.13	3-4-3	0
	3	S	20.30	19.40	4.78	90	8.10	0-8-4	0
		D	18.50	19.51	5.18	95	8.08	6-31-0	0
	4	S	21.00	19.48	5.01	95	8.07	1-18	0
		D	18.80	19.49	5.07	93	8.12	3-11	0
13.xi	1	S	23.30	19.80	8.46	168	8.42	0-13-0	0
	2	S	22.80	19.79	8.53	168	8.39	2-11-0	0
	3	S	20.80	19.79	5.23	99	8.20	3-12-2	0
		D	19.00	19.81	4.25	79	8.11	11-81	0
	4	S	21.40	19.75	4.98	95	8.16	3-15-0	4
		D	19.20	19.79	4.41	82	8.11	38-29	0
4.xii	1	S	21.80	19.75	5.95	115	8.13	7-6-7	0
	2	S	22.60	19.82	6.19	121	8.12	8-2-5	0
	3	S	22.30	19.94	6.19	121	8.10	8-2-2	0
		D	18.60	19.68	5.14	94	8.03	25-28	0
	4	S	22.00	19.93	5.60	109	8.10	6-2-2	0
		D	19.50	19.63	5.66	105	8.13	7-10-0	0
17.xii	1	S	21.80	19.74	5.39	104	8.18	10-3-0	12
	2	S	22.80	19.77	5.94	117	8.19	7-6-2	0
	3	S	23.40	20.08	5.54	110	8.02	6-7-7	0
		D	20.50	20.08	4.77	90	8.05	10-25	0
	4	S	22.90	20.07	5.15	102	8.17	3-10-4	0
		D	21.40	20.06	5.27	101	8.18	3-17-0	0

Location: LAKE ILLAWARRA

Date	Station	Depth	Temp. °C.	Cl °/oo	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
1.iii	3a	S	26.20	8.11	5.14	92		2-20	0
30.iii	3a	S	22.80	9.70	5.06	89		11-13	17
30.iv	3a	S	20.80	12.53	5.89	102		10-14	0
30.v	3a	S	11.50		5.37			14-1	1
2.vii	3a	S	11.00		7.13			22-0	32
3.viii	3a	S	11.60	9.63	7.00	100		18-13	0
31.viii	3a	S	13.40	12.73	6.48	100		6-7	8

Location: JERVIS BAY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
1.iii		S	25.80	19.68	5.92	122		0-15	0
30.iii		S	21.70	19.40	4.48	86		9-8	45
30.iv		S	20.60	19.52	5.21	98		10-0	9
30.v		S	17.80		5.95			9-5	7
29.vi		S	13.60	17.80	5.85	96		6-10	41
3.viii		S	15.90	19.35	5.76	100		4-18	0
31.viii		S	16.00	19.38	6.83	119		16-9	36

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
23- 26.1	1	0m	23.90	17.02	3.40	66		11	0
		5m	23.50	19.05	4.20	83		15	0
	2	0m	16.40	18.70	5.02	87		10	0
		10m	21.30	18.71	4.97	94		12	0
	3	0m	20.10		5.27			3	3
		10m	20.10		5.22			4	0
		20m	20.10		5.33			1	59
	5	0m	22.20	19.33	5.05	98		3	2
		10m	22.00	19.30	5.04	97		4	2
		20m	22.10	19.26	5.00	97		10	2
	6	0m	22.50	19.60	5.16	101		1	0
		5m	23.00	19.71	4.81	95		6	4
11.11	2	0m	20.90	19.36	4.86	92		5	
		10m	20.90	19.36	4.92	93		44	
	3	0m	20.30	19.52	5.03	94		24	
		10m	20.50	19.48	4.79	90		5	
		20m	20.90	19.51	5.09	97		4	
	6	0m	20.90	20.31	4.32	83		14	0
		5m	21.10	20.34	4.54	87		12	0
13- 15.111	1	0m		18.37	4.52			35	28
		5m		19.07	4.57			35	6
	2	0m		19.16	5.08			0	0
		10m		19.17	4.96			22	0
	3	0m		19.49	5.07			9	1
		10m		19.51	5.12			3	0
		20m		19.58				3	0
	5	0m		19.38	5.16			7	2
		10m		19.39	5.13			9	0
		20m		19.38	4.96			3	6
	6	0m		19.26				0	1
		5m		19.24	4.80			12	3
16- 21.1v	1	0m	14.50	19.07	5.50	93		11	0
		5m	12.50	19.18	5.53	90		6	76
	2	0m	15.00	19.20	5.49	94		7	84
		10m	15.30	19.25				7	32

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 16- 21. iv	3	0m	13.70	19.61	5.74	96		6	2
		10m	14.40	19.57	5.84	99		6	0
		20m	14.30	19.51	5.74	97		6	2
	5	0m	15.30	19.34	5.62	97		7	0
		10m	16.20	19.31	5.62	98		7	0
		20m	14.70	19.28	5.50	94		7	0
	6	0m	14.49	17.52	5.81	96		11	0
		5m	13.90		5.56			14	0
	1	0m	13.60	19.24	5.75	96		11	7
		5m	13.50	19.43	5.75	96		13	0
	2	0m	13.30	19.09	6.16	102		5	0
		10m	13.30	19.08	6.27	104		3	0
14- 17. v	3	0m	14.30	19.52	5.83	99		11	23
		10m	13.80	19.56	5.93	100		7	4
		20m	13.50	19.59	6.04	101		8	3
	5	0m	14.00	19.52	5.81	98		10	0
		10m	14.00	19.50	5.69	96		11	9
		20m	14.30	19.47	5.75	97		13	5
	6	0m	12.10	19.47	5.78	94		12	4
		5m	12.60	19.50	5.81	95		12	0
	1	0m	12.80	18.08	6.28	102		14	31
		5m	12.60	19.17	4.19	69		18	18
	2	0m	11.90	19.00	5.95	96		13	15
		10m	11.90	19.34	5.49	89		15	4
19- 21. vi	3	0m	12.45	19.31	5.91	97		8	0
		10m	12.80	19.32	5.86	96		9	12
		20m	11.80	19.32	5.82	94		9	0
	5	0m	12.00	19.24	6.03	98		12	3
		10m	12.20	19.37	5.81	95		12	0
		20m	12.20	19.42	5.48	89		12	0
	6	0m	11.30	19.19	5.94	95		17	5
		5m	11.10	19.30	5.82	93		14	8

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 10- 11.vii	1	0m	10.80		6.27			8	59
		5m	11.25	19.06	5.40	86		8	2
	2	0m	11.15	19.32	6.17	98		16	0
		10m	11.15	19.23	6.29	100		12	0
	3	0m	11.35	19.32	6.29	101		3	0
		10m	11.40	19.37	6.29	101		1	0
		20m	11.40	19.36	6.29	101		18	0
	5	0m	11.77	19.21	6.31	102		2	0
		10m	11.73	19.23	6.10	98		3	0
		20m	11.73	19.33	6.20	100		12	0
	6	0m	10.25	18.91	6.34	99		15	0
		5m	10.25	19.23	6.29	99		8	0
14- 17.viii	1	0m	9.10	18.45	6.85	104		10	4
		5m	8.90	18.89	6.82	103		8	2
	2	0m	9.90	18.96	6.55	101		5	2
		10m	9.50	18.95	6.33	97		7	5
	3	0m	9.90	18.89	6.66	103		5	4
		10m	9.80	18.93	7.54	116		7	4
		20m	9.90	18.91	6.55	101		6	4
	5	0m	9.90	18.91	6.63	102		9	0
		10m	9.50	18.86	6.33	97		8	0
		20m	9.50	18.84	6.35	97		7	0
	6	0m	8.90	19.02	6.70	102		11	1
		5m	8.90	19.03	6.06	92		12	3
10- 13.ix	1	0m	11.20	18.34	5.54	87		10	0
		10m	11.00	18.54	5.46	86		14	0
	2	0m	12.10	18.14	7.40	119		0	0
		10m	11.20	18.26	6.83	108		0	0
	3	0m	12.70	19.10	6.29	103		0	0
		10m	12.70	19.48				0	0
		20m	12.70	19.47	6.13	108		0	0
	5	0m	11.30	18.55	6.03	96		7	0
		10m	11.10	18.62	6.32	100		8	0
	6	20m	10.70	18.64	5.63	88		0	0
		0m	12.20		6.09				
		5m	11.40	18.65	5.94	94		0	0

Location: PORT PHILLIP

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
8- 10.x	1	0m	13.40	17.88	6.20	101		3	2
		5m	12.80		5.39			8	2
		10m	12.20	18.46	6.34	106		0	0
	2	0m	13.40	18.48	6.25	103		8	0
		5m	14.90	18.95	6.20	105		2	0
		10m	13.70	19.29	6.21	104		10	0
	3	0m	13.60	19.33	6.40	107		3	0
		5m	15.30	18.58	6.20	106		7	0
		10m	13.80	18.60	6.40	106		0	0
	4	0m	13.60	18.64	6.34	105		8	0
		5m	15.40	18.62	5.17	88		10	0
		10m	15.40	18.64	5.27	90		4	0
	5	0m	17.20	15.99	5.46	94		4	18
		5m	15.20	18.35	5.87	100		7	0
		10m	15.50	18.33	5.58	95		5	0
	6	0m	15.40	18.32	5.52	94		5	0
		5m	15.40	19.41	5.54	96		3	0
		10m	15.40	19.19	5.16	89		2	0
	7	0m	15.40	19.23	5.13	88		6	0
		5m	15.80	18.48	5.91	102		4	0
		10m	15.10	18.52	5.56	95		4	0
	8	0m	15.20	18.65	5.50	94		4	0
		5m	16.00	18.75	4.38	76		7	0
		10m	15.90	18.77	5.49	95		4	0
11- 12.xii	1	0m	17.70	17.09	5.96	104		12	360
		5m	17.30	18.63				13	35
		10m	18.60	18.71	5.84	106		13	0
	2	0m	16.80	18.72	5.84	102		11	0
		5m	16.95	19.08	5.78	102		13	0
		10m	16.25	19.41	5.96	104		9	3
	3	0m	16.10	19.52	5.84	102		8	0
		5m	17.20	18.65	5.93	105		11	0
		10m	17.00	18.64	5.65	99		13	0
	4	0m	17.00	18.67	5.61	99		7	11
		5m	18.00	18.88	5.61	101		8	0
		10m	17.80	18.89	5.84	104		8	11

Location: TAMAR RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 14.11	1	S	19.40	19.21	5.22	96		6-11	0
		D	20.40	19.22	5.15	97		7-18	0
	2	S	20.30	18.60	5.36	100		10-7	0
		D	21.00	18.95	5.20	98		0-23	0
	8	S	19.20	0.02	6.07	91		0-13	0
	10	S	16.80	0.02	4.38	63		5-12	21
	3	S	21.20	17.68	5.55	104		12-13	0
	4	S	21.80	16.69	5.14	96		12-16	0
	4a	S	20.80	15.01	5.27	95		12-29	7
		D	20.85	15.32	4.56	83		16-9	0
17- 18.11	6	S	20.70	3.29	4.67	72		19-5	14
		D	20.50	7.28	1.39	23		15-26	77
	7	S	17.45	6.20	4.90	76		30-0	0
	9	S	17.70	0.05	6.30	92		2-13	6
	11	S	18.15	0.04	6.01	88		3-16	0
29.vii- 1.viii	1	S	12.20	17.19	6.00	95		6-12	17
	2	S	9.40	9.93	6.84	94		0-18	74
		D	10.60	15.30	6.16	92		4-10	22
	3	S	8.60	5.17	7.25	93		3-18	103
	4	S	7.70	1.16	7.63	91		10-10	106
	4a	S	8.10	1.16	7.39	89		10-19	115
		D	8.60	3.44	7.36	92		2-10	116
	5	S	6.70	0.27	7.77	90		11-17	135
	6	S	6.80	0.04	8.13	94		15-27	118
		D	6.90	0.03	8.71	101		12-15	24
	7	S	8.30	0.04	6.94	83		3-9	79
	8	S	7.80	0.04	5.84	69		7-17	32
	9	S	6.60	0.05	8.15	94		2-7	6
	10	S	6.20	0.02	5.92	68		11-9	168
	11	S	6.70	0.05	8.02	93		2-4	40

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
10.1	3	S D	15.60 18.30	19.16 14.74	5.16 3.94	89 68		17-16 17-2	0 0
15.1	6	S	20.35	0.03	5.37	82		2-13	12
5.11	3	S D	15.80 15.40	15.81 19.13	5.47 4.85	91 83		10-13 10-12	84 6
11.11	1	S D	17.40 17.15	19.23 19.21	5.54 5.58	97 99		10-12 11-7	0 0
	2	S D	16.95 16.65	18.79 19.04	5.49 5.66	97 99		9-9 10-5	0 0
	3	S D	17.80 17.35	15.41 18.84	5.23 5.39	90 96		12-30 12-9	0 0
	4	S D	18.00 18.65	8.97 13.87	5.27 5.23	85 90		11-4 20-4	0 0
12- 14.11	5	S D	20.25 18.85	14.95 13.77	5.45 4.57	96 79		13-12 18-12	0 0
	6	S D	20.15 21.20	0.26 0.41	6.23 5.72	95 89		7-3 3-12	0 0
	7	S	19.70	0.05	6.34	96		1-14	0
	7a	S	20.90	0.10	5.27	82		6-25	0
	8	S	20.70	0.05	5.88	90		3-21	0
	9	S	19.00	0.05	5.77	86		6-36	17
	9a	S	19.50	0.05	5.42	82		25-10	48
	9b	S	12.30	0.03	6.45	85		11-0	3
	10	S	17.00	0.05	4.82	69		4-14	9
	10a	S	16.20	0.03	6.05	86		3-8	10
	11	S	15.30	0.05				0-18	2
	12	S	15.60	0.03	5.14	72		15-0	4
	13	S	15.80	0.05	5.48	77		3-17	3
	14	S	19.70	0.03	6.42	97		11-2	0
	15	S	19.20	0.03	5.83	87		1-12	0
19.11	6	S	17.35	0.05	6.67	97		16-0	11

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
14.iii	3	S D		14.60 19.37	5.44 4.50			51 38-8	0 0
19.iii	6	S	17.50	0.26	6.33	92		6-0	29
24.iv	3	Om 21m	11.07 13.95	18.99 19.18	5.13 1.97	81 33		69	0
10.v	3	S D	11.55 13.70	11.14 19.33	4.48 4.76	65 80		36-0 20-33	10 8
7.vi	3	Om 33m	8.75 13.15	9.56 19.16	5.54 2.71	75 44		8-13 19-10	14 28
21.vi	6	S	5.80	0.04	9.05	102		3-9	8
10.vii	3	S D	8.25 12.25	18.97 10.21	3.86 4.53	58 66		5-13 43-0	21 51
25.vii	1	S D	9.20 13.90	18.60 18.72	6.25 6.38	95 107		5-7 9-0	44 17
	2	S D	10.10 9.80	18.60 18.74	6.02 5.99	93 92		8-5 12-0	11 0
	3	S D	7.90 10.90	6.74 18.54	6.91	89		5-11 13-2	11 27
	4	S D	6.70 11.10	2.41 10.94	7.65 5.08	90 73		6-12 36	27 100
27- 28.vii	6	S D	8.20 5.90	0.05 0.05	7.47 7.83	89 89		11-0 2-15	31 21
	7	S	7.80	0.05	7.73	92		6-9	17
	7a	S	7.80	0.05	7.98	95		8-0	63
	8	S	6.70	0.05	8.55	99		4-2	9
	9	S	8.20	0.05	8.02	96		3-2	79
	9b	S	3.30	0.05	8.52	90		0-4	16
	10	S	4.90	0.05	8.31	92		3-6	26
	10a	S	2.60	0.05	8.34	87		0-4	11
	11	S	4.60	0.07	7.88	86		2-10	0

Location: DERWENT RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
27-	12	S	6.70	0.05	7.81	90		15	58
28.vii	13	S	5.60	0.05	7.75	87		11-7	47
	14	S	4.30	0.05	8.27	90		0-9	11
	15	S	2.00	0.05	8.33	85		2-4	0
1.viii	5	S	5.10	0.05	8.75	97		5-7	74
		D	5.00	0.05	8.13	90		2-8	41
	9a	S	5.00	0.05	8.36	93		3-3	42
	11a	S	6.70	0.04	8.12	94		8-10	66
7.viii	3	Om	8.05	4.06				0-25	9
		31m	11.00	19.20	2.94	47		4-29	24
6.ix	3	S	8.50	6.11	6.78	87		8-8	41
		D	10.79	19.21	5.27	84		21-6	32
4.x	6	S	10.50	0.06				4-9	24
6.x	3	Om	12.90	8.37	6.93	101		5-6	15
		23m	11.12	19.06	5.23	83		26-0	9
1.xi	6	Om	11.00	0.05				2-11	10
2.xi	3	S	12.65	11.36	6.17	92		11-6	4
4.xi	3	S	14.50	9.22	6.20	94		7-2	3
		D	12.70	18.77	5.16	84		17-3	7

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
18.i	1	S	19.20	19.05	5.49	101		3-17	0
		D	17.85	19.08	5.49	98		9-26	0
	6	S	17.90	19.15	4.39	79		4-6	1
		D	17.60	19.17	4.93	88		5-14	3
11.ii	1	S	17.40	19.23	5.54	97		10-12	0
		D	17.15	19.21	5.58	99		11-7	0
	6	S	16.70	19.33	4.76	84		6-12	0
		D	16.60	19.30	5.54	98		6-36	0
20.iii	1	Om	16.60	19.32	5.56	98		11-1	24
		30m	16.52		5.47			10-2	17
	6	Om	16.85	19.20	5.35	95		9-6	5
		14m	16.80	19.17	5.38	95		9-4	17
27.iv	1	Om	12.80	17.58				11-6	2
		29m	13.10	18.66				11-11	0
	6	Om	12.55	17.67	5.71	92		11-6	6
		11m	13.05	18.32	5.48	90		10-9	6
16- 17.v	1	Om	12.70	18.81				7-2	2
		14m	12.85	18.88				6-7	2
	6	Om	11.50	18.75				4-10	4
		12m	12.25	18.72				38-7	5
13.vi	1	S	11.51	18.56	5.70	91		10-10	34
		D	12.30	19.07	5.71	93		10-30	29
	6	S	11.32		5.85			9-36	27
		D	11.70	18.74				8-11	29
20.vii	1	Om	10.30	18.80	6.20	97		13-9	50
		28m	10.28	18.84	5.95	93		12-18	28
	6	Om	9.90	18.61	6.01	92		12-15	83
		14m	9.80	18.62	6.10	94		10-18	83
9- 10.viii	1	Om	9.55	18.55				5-12	6
		14m	9.90	18.71				5-14	9

Location: D'ENTRECASTEAUX CHANNEL

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
9- 10. viii	6	0m 11m	9.20 9.70	18.06 18.21				41 39	12 6
19. ix	1	S D	11.60 11.50	18.69 19.07				9-2 8-1	0 0
	6	S D	11.60 11.50	18.68 18.69	6.75 6.40	108 102		9-2 6-5	0 0
16. x	1	0m 20m	13.75 12.10	18.77 19.12	6.29 5.73	105 93		2-8 10-7	0 0
	6	0m 15m	13.90 13.70	18.96	6.25 6.32			3-9 7-5	0 0
17. xi	1	0m 48m	12.45 12.40	18.29 18.99	6.19 5.95	100 97		8-5 13-2	6 10
	6	0m 14m	13.00 12.80	18.48 18.58	6.10 6.47	100 106		7-6 10-3	6 22
14. xii	1	0m 36m	14.10 13.52	18.12 18.66	6.17 6.04	103 100		10-9 10-9	0 4
	6	0m 14m	13.65 13.64	18.75 18.77	6.19 6.19	103 103		10-4 10-4	0 0

Location: PITTWATER - TASMANIA

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
10.i	1	S	19.15	19.81	5.39	100		5-5	0
	2	S	19.80	19.71	5.29	99		8-36	0
	3	S	18.65	19.60	4.48	82		12-0	0
5.ii	1	S	14.75	20.82	5.48	95		3-21	0
	2	S	15.40	20.61	4.98	87		9-12	23
	3	S	14.90	19.92	4.75	82		3-15	9
14.iii	1	S		20.86	5.82			35-0	5
	2	S		20.56	6.60			58	5
	3	S		20.43	5.82			31	0
24.iv	1	S	12.80	18.92	7.90	130		1-5	0
	2	S	12.50	18.99	6.77	110		2-7	0
	3	S	11.75	18.96	6.63	107		3-8	0
10.v	1	S	11.45	18.78	5.96	95		41	0
	2	S	11.20	18.78	5.39	86		37	0
	3	S	10.65	18.81	5.57	87		7-30	0
7.vi	1	S	9.30	18.53				7-7	0
	2	S	9.00	18.77	4.40	67		17-0	0
	3	S	7.65	18.75	4.88	72		8-29	0
10.vii	1	S	8.38	18.10	6.81	101		3-14	0
	2	S	7.58	18.11	6.87	100		3-15	0
	3	S	6.85	18.15	6.90	99		22-0	6
7.viii	1	S	8.35	17.48	5.70	84		0-52	0
	2	S	7.80	17.60	5.57	81		0-15	0
	3	S	8.10	17.72	7.00	103		0-9	0
6.ix	1	S	12.32	17.72	7.10	114		7-4	0
	2	S	10.95	17.58	7.40	115		3-7	0
	3	S	10.78	17.99	6.92	108		6-1	32

Location: PITTWATER - TASMANIA

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
5.x	1	S	13.80	18.46	6.56	109			
	2	S	14.90	18.56	6.36	108		8-5	10
	3	S	12.00	18.67	4.86	78		9-8	33
								7	4
1.xi	1	S	12.90	17.74	6.65	108			
	2	S	13.20	17.68	6.32	103		7-6	4
	3	S	13.70	17.94	6.31	104		8-20	4
								10-7	8
4-	2	S	16.25	19.15	5.99	105			
6.xi	3	S	15.30	19.05	5.88	101		8-15	0
	4	S	17.60	19.02	5.67	101		4-16	0
								9-31	0

Location: LAKE DOBSON

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
15.1	1	S	17.30	0.02	5.90	85		3-20	0
	1a	S	12.00	0.03				2-21	18
	2	S	16.65	0.02	5.31	76		7-37	1
		D	15.60	0.02	3.89	55		4-20	2
	3	S	17.30	0.02	4.27	64		2-20	0
	4	S	7.25	0.02				0-13	5
16.1	1	S	18.20	0.02	5.90	83		117-129	0
	2	S		0.02	5.81			11-27	0
		D	15.80	0.02	4.94	70		12-23	0
	3	S	18.40	0.02	5.85	86		2-17	3
22.1	1	S	20.60	0.02	6.39	98		21-24	7
	2	S	19.75	0.02	5.71	86		4	0
		D	17.85	0.02	5.76	84		12-22	1
	3	S	20.10	0.02	6.00	91		12-14	4
30.1	1	S	20.10	0.02	5.75	88		6-20	0
	2	S	19.40	0.02	5.50	82		5-19	4
		D	18.30	0.02	5.64	83		2-18	3
	3	S	19.20	0.03	5.50	82		9-33	0
19.11	1	S	11.90	0.05	6.67	87		0-16	18
	1a	S	9.40	0.08				0-12	0
	2	S	14.25	0.02	6.66	91		10-10	0
		D	11.10	0.05	6.00	77		2-32	0
	3	S	14.75	0.02	6.76	93		5-12	2
	4	S	7.75	0.02				9-1	3
20.11	1	S	14.00	0.05	6.66	90		31-15	0
	2	S	12.80	0.05	6.54	87		36-23	4
		D	13.00	0.05	6.53	87		45-0	0
	3	S	14.00	0.05	6.60	90		31-37	0
26.11	1	S	13.10	0.05	6.16	82		18-48	0
	2	S	13.70	0.06	6.04	82		17-12	0
		D	12.50	0.06	5.78	76		12-11	0
	3	S	14.40	0.06	6.17	85		18-17	0

Location: LAKE DOBSON

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
6.111	1	S	13.70	0.04	6.53	88		20-11	14
	2	S	13.50	0.04	6.55	88		21-6	7
		D	12.50	0.04	6.16	81		23	17
	3	S	14.90	0.04	6.33	88		23-0	7
19.111	1	S	12.40	0.03	6.21	82		13-0	18
	1a	S	11.50	0.03				4-7	21
	2	S	13.30	0.03	6.06	80		11-7	5
		D	11.10	0.03	5.97	76		3-13	10
	3	S	13.90	0.03	6.12	83		15-0	19
	4	S	6.25	0.03				6-0	19
20.111	1	S	12.40	0.03	5.99	79		28-16	24
	2	S	12.40	0.03	5.87	77		12-3	30
		D	12.80	0.03	3.60	48		23-0	23
	3	S	12.10	0.03	5.98	78		7-14	19
2.1v	1	S	9.45	0.06	5.75	71		10-20	2
	2	S	7.40	0.06	6.14	72		6-17	0
		D	7.35	0.06	5.19	61		2-30	3
	3	S	9.40	0.06	4.85	60		4-23	3
23.1v	1	S	3.40	0.04				33	6
	1a	S	3.20						
	2	S	3.00	0.04	7.70	81		13-0	2
		D	3.20	0.04	7.05	75		11-0	0
	3	S	3.50	0.04	7.76	83		11-2	2
	4	S	3.75	0.04				21	1
24.1v	1	S	3.80	0.04	7.57	81		83-30	0
	2	S	3.35	0.04	4.73	50		23-5	1
		D	3.30	0.04				23-11	0
	3	S	3.00	0.04	7.78	82		19	0
3.v	1	S	5.85	0.03	7.27	82		12-19	0
	2	S	6.40	0.03	7.21	83		11-4	0
		D	4.95	0.03	6.96	77		10-43	0
	3	S	6.40		7.35				

Location: KING GEORGE SOUND

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 9- 10.v	1	S	20.10	19.76	6.38	121	8.28	4	11
		D	20.20	19.76	6.38	121	8.28	7-4	6
	2	S	19.80	19.75	6.32	118	8.26	5	4
		D	19.80	19.75	5.98	112	8.28	5	5
	3	S	18.30	19.76	6.22	113	8.28	7	3
		D	16.70	19.76	6.22	110	8.06	4	0
	4	S	16.60	19.76	6.53	116	8.23	9-0	0
		D	16.70	19.70	5.30	94	8.25	16-0	0
	5	S	15.50	19.02	5.64	97	8.18	15-5	0
	6	S	14.80	18.21	4.72	89	8.08	4-6	0
	7	S	15.00	1.03	3.24	45	7.40	5	0
	8	S	14.80	11.35	3.28	51	7.41	12	0
25.vii	2	S	16.00	19.59	5.83	102	8.22	4	0
		D	15.80	19.58	5.80	101	8.21	5	0
	3	S	13.80	19.24	5.83	97	8.15	10	0
		D	12.50	19.20	5.97	98	8.13	10	0
23.viii	2	S	15.20	19.52	5.92	102	8.21	5	0
		D	15.05	19.50	5.89	101	8.19	5	0
	3	S	12.60	19.06	6.10	100	8.16	4	0
		D	12.40	19.09	6.00	98	8.17	9	0
20.ix	2	S	15.60	19.35	5.72	99	8.16	6	0
		D	15.60	19.39	5.67	98	8.17	2	0
	3	S	14.60	19.17	5.88	100	8.13	5	0
		D	14.60	18.96	5.67	96	8.13	4	0
10- 11.x	1	S	17.00	19.62	5.59	100	8.23	8-1	0
		D	17.00	19.63	5.59	100	8.21	8-0	0
	2	S	16.60	19.53	5.95	105	8.22	7	0
		D	16.60	19.51	5.92	104	8.23	5	0
	3	S	16.70	19.28	6.10	108	8.23	7	0
		D	16.70	19.40	6.15	109	8.25	7	0
	4	S	17.50	18.75	6.15	110	8.24	3-8	0
		D	17.00	18.99	5.44	96	8.23	8-2	0
	5	S	18.40	18.00	5.70	102	8.22	6-8	0
	6	S	15.10	16.62	4.27	71	8.11	6-7	5
	7	S	14.80	0.53	2.42	34	6.62	4	9
	8	S	13.90	0.62	3.34	46	6.35	5	0

Location: KING GEORGE SOUND

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 15. XI	2	S	18.40	19.74	5.53	102	8.17	8	0
		D	18.10	19.75	5.65	103	8.17	6	0
	3	S	18.40	19.85	5.35	98	8.21	4	0
		D	18.40	19.89	5.35	98	8.21	5	0

Location: WILSON'S INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 11.v	1	S	15.80	13.38	6.88	112	7.94	8-0	0
		D	15.70	13.38	6.88	112	7.92	5-0	0
	2	S	15.20	13.40	6.32	102	7.82	10	0
		D	15.20	13.40	6.35	103	8.02	11	0
	3	S	15.20	13.33	5.90	95	8.00	8	0
		D	15.20	13.37	5.38	87	7.90	10	0
	4	S	15.00	13.28	6.30	101	7.79	10-0	0
		D	14.90	13.27	5.88	94	7.77	9-0	0
	5	S	15.20	13.31	6.03	97	7.77	4	0
		D	15.20	13.32	6.50	105	7.80	7	0
	6	S	15.40	13.38	6.48	105	7.82	7-1	0
		D	15.10	13.38	6.67	106	7.82	3-5	0
	7	S	17.10	11.87	5.80	95	7.92	3-4	12
		D	15.90	12.68	5.60	90	7.92	5-3	14
	8	S	15.50	8.12	4.76	73	7.28	9-0	19
		D	15.50	13.25	4.13	67	7.45	9-16	14
	1	S	17.30	8.37	5.32	84	7.72		17
		D	16.30	8.41	5.15	80	7.71		3
	2	S	17.20	14.10	5.21	87	7.67	12	13
		D	16.60	8.13	3.64	57	7.83	8	1
	3	S	16.60	9.42	3.22	51	7.82	2	7
		D	16.40	12.72	2.09	34	7.50	5	4
	4	S	16.40	8.03	4.67	73	7.59	5-9	0
		D	17.00	14.03	2.09	35	7.42	12-6	44
	5	S	17.10	7.81	4.56	71	7.68	3	7
		D	17.00	7.81	5.59	87	7.60	5	2
	6	S	16.80	7.84	4.75	74	7.74	2-9	4
		D	16.80	7.87	5.55	87	7.68	5-12	7
	7	S	15.90	0.50	3.34	47	6.44	2-14	5
		D	15.90	3.86	2.29	34	6.78	3-8	0
	8	S	15.80	7.14	2.02	31	7.10	51-14	0
		D	16.40	9.21	0.59	1	6.98	5-0	32

Location: NORMALUP INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 12. v	1	S	18.70	19.67	5.92	108	8.24	7-1	14
		D	18.70	19.68	5.73	105	8.21	13-0	5
	2	S	14.70	11.81	5.60	88	8.22	8-2	12
		D	17.10	16.66	5.28	91	8.16	13-0	16
	3	S	13.90	15.83	6.03	97	8.10	7	16
		D	17.40	19.25	6.00	107	8.17	12	39
	4	S	14.20	12.71	6.80	106	8.29	5-4	14
		D	16.60	18.30	3.58	62	7.93	18-0	35
	5	S	14.30	14.88	5.85	94	8.23	8	8
		D	17.00	17.10	6.05	104	8.24	16	24
	6	S	14.00	0.49	4.29	59	7.05	4	155
		D	13.00	0.13	4.75	63	6.55	0-19	49
	7	S	13.10	0.13	4.62	61	6.52	0-11	53
		D	15.30	4.37	4.93	72	7.14	10-0	
	8	S	15.30	4.37	4.93	72	7.14	10-0	
		D	18.30	16.16	1.44	20	7.44	7-9	49
	1	S	14.90	7.86	5.67	85	7.64	4-5	0
		D	14.60	10.26	4.98	76	7.72	3-8	0
	2	S	15.10	6.51	5.47	81	7.34	5-4	0
		D	13.30	14.60	4.87	76	7.86	8-3	0
	3	S	14.90	10.19	4.98	77	7.71	7	0
		D	16.50	19.14	4.80	84		38	0
	4	S	14.70	4.42	4.75	69	7.39	8-4	0
		D	16.50	17.38	3.74	64	8.00	6-14	0
	5	S	17.60	15.98	4.68	81	7.70	11	0
		D	16.50	9.43	7.85	124	7.91	8	32
	6	S	13.40	0.22	3.84	52	6.34	7	0
		D	13.40	0.09	3.58	48	6.02	5	16
	7	S	12.70	0.08	3.69	49	5.32	6-0	22
		D	12.70	0.08	3.61	48	5.32	6-7	15
	8	S	15.80	0.61	3.72	53	6.70	8	0
		D	15.70	9.99	3.09	48	7.29	10	0

Location: HARDY INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 15.v	1	S	19.00	18.28	5.43	99	8.26	8-0	9
		D	19.30	18.93	5.10	93	8.29	7-6	0
	2	S	18.80	19.51	5.60	103	8.25	17	0
		D	19.60	17.10	5.35	97	8.28	6	0
	3	S	19.10	18.39	5.40	98	8.26	16	0
		D	19.60	19.18	5.35	99	8.29	9	0
	5	S	16.20	10.49	5.67	90	8.16	4-6	0
		D	18.40	15.83	6.25	110	8.26	5-4	0
	6	S	14.80	1.30	7.05	99	7.35	3-12	5
		D	20.50	13.85	2.41	43	7.64	13	35
	7	S	12.30	0.76	6.05	80	7.45	3	0
		S	14.20	1.77	5.63	78	7.67	3-5	0
	8	D	13.80	1.77	5.55	76	7.68	7-10	0
		S	14.10	2.63	5.26	73	7.67	4	0
	9	D	14.00		5.32		7.51	3	0
	1	S	17.10	1.73	5.58	82	7.20	4-7	2
		D	16.50	15.29	5.10	86	8.06	6-2	0
	2	S	17.30	8.18	5.85	92	7.10	6	0
		D	16.20	0.81	5.10	73	7.86	0	0
	3	S	17.10	1.58	5.50	80	7.15	0	0
		D	16.60	4.10	6.60	98	7.43	3	0
	5	S	16.30	0.43	5.18	74	6.90	3-4	0
		D	16.40	0.36	3.78	54	6.76	4-3	42
	6	S	15.70	0.41	6.04	85	6.82	1-5	16
		D	15.10	0.42	5.82	81	6.74	1-4	1
	7	S	14.10	0.78	5.67	78	7.16	3	8
		S	15.90	1.69	4.87	70	7.36	3-8	0
	8	D	15.80	1.70	5.21	74	7.34	2-15	0
		S	16.10	1.98	4.45	64	7.24	14	0
	9	D	16.40	1.99	4.50	65	7.24	24	0

Location: LESCHANAULT INLET

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 18.v	1	S	17.30	19.85	5.10	92	8.38	5-6	9
		D	17.00	19.88	4.70	84	8.37	7-3	13
	2a	S	15.80	7.74	6.22	95	6.72	13-0	53
	3	S	17.00	19.56	5.50	98	8.39	5	8
		D	17.00	19.53	5.40	96	8.46	5	11
	3a	S	17.20	16.78	5.32	92	8.33	5-4	19
		D	16.60	18.77	5.20	91	8.37	8-0	7
	4	S	17.30	19.28	6.02	107	8.51	17	19
	6	S	18.40	18.24	4.66	84	8.23	25-0	58
	7	S	20.40	14.33	4.81	86	7.77	7	11
	8a	S	13.00	0.32	6.84	92	6.83	10	98
	9	S	12.80	0.13	6.31	84	6.77	7-0	24
	10	S	13.50	0.26	5.59	76	7.10	16-0	26
23.x	1	S	17.50	18.84	5.30	94	8.07	3-10	0
		D	16.80	19.38	4.43	78	8.00	7-105	0
	2a	S	16.80	0.22	6.20	89	6.56	8-6	54
	3	S	18.00	14.66	5.40	92	8.06	0	0
	3a	S	18.90	2.94	5.67	89	7.24	1-12	0
		D	18.10	15.24	2.06	36	7.68	9-12	24
	4	S	24.40	14.57	6.40	123	8.30	0	0
	6	S	24.40	13.52	4.56	86	8.03	2-11	0
	7	S	20.10	0.27	5.94	91	6.89	7	0
	8a	S	23.10	0.20	5.86	94	5.91	4	0
	9	S	19.50	0.22	6.56	99	6.81	0-15	0
	10	S	19.00	0.16	7.07	106	6.60	1-8	0

Location: PEEL-HARVEY ESTUARY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 8.1	1	S	24.30	19.80	3.75	75	8.17	2-6	3
		D	24.40	19.81	3.72	75	8.21	1-3	0
	1a	S	25.10	19.70	4.38	90	8.19	0	0
		D	25.10	19.66	4.43	90	8.19	2	0
	2	S	26.20	19.28	4.40	91	8.21	1-6	0
		D	26.20	19.24	4.50	93	8.22	1-7	0
	3	S	26.00	19.55	3.64	75	8.02	3	0
		D	26.10	19.53	3.50	72	8.02	0	0
	3a	S	25.60	19.37	3.78	77	8.12	2-6	0
		D	25.60	19.35	3.64	75	8.12	0-7	12
	3b	S	27.00	17.69	3.75	77	8.03	12-1	0
		D	27.00	17.77	3.64	75	8.04	4-6	0
	4	S	24.50	6.48	4.60	81	7.80	6	0
		D	26.20	19.54	4.18	87	8.10	1	0
	4a	S	27.20	19.15	3.75	78	8.10	4	0
		D	26.00	5.16	4.80	85	7.67	9-4	0
	8	S	30.00	15.99	1.61	34	7.73	9-4	0
		D	25.30	0.42	3.90	65	6.95	9	0
	9	S	25.30	0.42	3.90	65	6.95	9	0
		D	25.30	0.42	3.90	65	6.95	9	0
21.iii	1	S	21.80	20.27	4.04	79	8.19	4-3	0
		D	21.80	20.23	3.72	72	8.18	5-0	0
	1a	S	21.70	20.29	4.59	89	8.17	7	0
		D	21.80	20.29	4.59	89	8.15	5	0
	2	S	25.40	21.90	4.38	93	8.06	4-1	0
		D	24.90	22.06	4.62	96	8.07	3-6	0
	3a	S	24.70	21.81	4.91	102	8.10	6-0	0
		D	24.00	21.98	4.68	97	8.06	3-5	0
	3b	S	26.80	22.14	3.21	70	8.02	3-4	0
		D	26.40	22.14	3.18	68	8.01	3-7	0
	4	S	26.20	12.38	3.72	70	8.09	7	0
		D	25.00	21.75	4.30	90	8.01	4	0
	4a	S	25.00	21.75	4.30	90	8.01	4	0
		D	25.70	22.07	3.77	80	7.89	5-4	0
	8	S	30.00	12.05	3.98	81	8.17	9-7	0
		D	29.40	20.35	3.72	80	8.12	8-5	0
	9	S	25.90	1.87	3.83	65	7.01	8	0
		D	25.90	1.87	3.83	65	7.01	8	0

Location: PEEL-HARVEY ESTUARY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
30.v	1	S	17.50	19.82	5.12	92	8.15	4-9	0
		D	17.50	19.77	5.94	107	8.15	5-4	0
	1a	S	17.60	19.78	5.67	102	8.15	5	22
		D	17.60	19.82	5.24	95	8.15	4	0
	2	S	16.80	19.11	5.48	97	8.02	3-10	0
		D	16.40	19.14	6.33	111	8.05	3-7	0
	3	S	16.60	19.41	4.88	87	7.99	3	0
	3a	S	16.70	19.50	5.07	90	8.05	2-7	0
		D	16.60	19.57	5.05	90	8.01	2-12	0
	3b	S	17.60	13.97	5.23	89	7.85	2-11	3
		D	17.30	15.80	4.51	86	7.91	2-8	0
	4	S	19.80	9.16	4.92	82	7.83	5	0
	4a	S	17.30	18.90	5.58	99	8.00	3	0
	5	S	17.30	20.50	5.02	90	7.93	2-11	0
	8	S	20.10	7.24	5.77	94	7.73	4-10	0
		D	20.20	18.18	2.62	49	7.70	4-14	0
	9	S	15.30	0.36	5.64	79	6.86	3	4
4.vii	1	S	11.40	7.79	6.47	90	7.76	3-1	195
		D	11.70	10.69	6.25	95	7.80	8-0	105
	1a	S	12.00	6.09	7.02	97	7.70	1	270
		D	11.60	11.05	6.47	94	7.83	3	95
	2	S	12.10	10.50	6.60	96	7.81	1-2	85
		D	12.25	10.71	6.40	94	8.05	0-8	77
	3	S	13.30	8.46	6.30	92	7.71	1	125
	3a	S	11.90		6.50		7.80		
		D	11.80	10.44	6.40	93	7.80	2-2	75
	3b	S	11.80	0.37	5.28	69	6.67	3-4	29
		D	11.80	0.34	6.32	82	6.77	4-1	32
	4	S	11.00	0.43	6.90	88	6.87	12	295
	4a	S	12.75	10.37	6.35	94	7.82	2	85
	5	S	12.60	9.34	6.13	90	7.72	4-1	70
	8	S	11.00	0.47	7.20	92	6.83	4-6	375
		D	11.00	0.47	7.17	92	6.86	8-0	335
	9	S	11.10	0.66	7.30	94	7.06	1	445

Location: PEEL-HARVEY ESTUARY

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
1. viii	1	S	14.40	8.36	7.00	100	7.93	0-8	20
		D	14.50	8.34	7.20	107	8.01	0-11	19
	1a	S	14.20	7.73	6.90	102	7.90	0	26
		D	14.20	7.75	6.90	102	7.91	0	28
	2	S	13.50	6.08	7.00	100	7.78	2-4	20
		D	14.20	7.72	6.25	93	7.80	4-1	18
	3	S	14.40	6.01	6.80	96	7.66	0	21
	3a	S	13.10	7.71	6.78	99	7.50	0-7	22
		D	13.20	8.25	6.25	91	7.80	0-9	57
	3b	S	14.65	2.96	6.25	89	7.32	6-6	7
		D	14.60	3.03	6.78	96	7.30	2-0	8
	4	S	10.90	0.76	7.02	90	7.13	4	36
	4a	S	13.10	7.14	6.65	96	7.70	0	25
	5	S	9.10	5.49	7.00	91	7.64	1-8	11
	8	S	12.50	0.73	7.24	97	7.06	3-4	42
		D	12.50	0.74	7.24	97	7.06	4-1	60
	9	S	11.90	0.86	6.00	92	7.08	19	52
5. ix	1	S	16.05	3.97	5.80	85	7.44	5-0	13
		D	18.40	17.86	5.49	99	7.88	3-5	0
	1a	S	17.10	3.31	6.37	95	7.36	1	10
		D	16.60	3.45	6.37	94	7.35	0	8
	2	S	16.70	3.42	6.25	93	7.33	0-4	3
		D	17.00	10.36	5.17	82	7.69	0-6	3
	3	S	17.80	3.01	6.87	103	7.38	0	2
	3a	S	16.40	4.69	6.32	94	7.42	0-5	13
		D	16.40	4.77	6.23	93	7.45	0-4	14
	3b	S	18.30	0.78	5.55	82	6.71	2-8	4
		D	18.20	0.82	5.60	83	6.63	6-0	4
	4	S	15.00	0.62	6.93	96	6.65	0	8
	4a	S	16.50	5.04	6.35	95	7.48	0	14
	5	S	17.40	2.31	6.45	96	7.23	3-4	22
	8	S	14.30	0.61	6.78	93	6.75	1-7	7
		D	14.90	0.60	6.75	94	6.74	3-5	10
	9	S	13.80	0.65	6.78	92	6.78	0	11

Location: PEEL-HARVEY ESTUARY

Date	Station	Depth	Temp. °C	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951 10. x	1	S	18.50	19.00	5.20	94	7.97	0-2	0
		D	18.10	19.19	5.38	97	8.17	0-7	0
	1a	S	19.00	19.07	5.35	98	8.14	0	0
		D	18.80	19.07	5.50	101	8.15	0	0
	2	S	19.70	10.01	5.45	92	8.03	13-30	0
		D	19.70	10.01	5.47	92	8.01	0-7	0
	3a	S	20.30	9.39	5.38	91	7.96	0-5	0
		D	20.30	9.63	5.45	91	7.96	0-10	0
	3b	S	18.70	0.81	4.72	70	7.04	3-3	1
		D	18.60	0.83	4.50	67	6.84	8-0	1
	4	S	19.20	0.61	6.10	92	7.07	11	0
	4a	S	21.30	9.29	5.47	93	8.01	0	0
	5	S	20.90	5.98	6.30	103	8.70	0-0	0
	8	S	19.00	0.59	6.25	94	7.08	3-0	2
		D	17.90	0.67	5.78	85	7.03	2-3	7
	9	S	17.50	0.72	5.57	81	7.01	0	2
20. xii	1	S	23.20	13.77	4.57	85	8.14	4-6	
		D	21.40	19.32	4.68	89	8.15	11-3	
	1a	S	24.45	12.38	5.73	107	8.23	7-1	
		D	24.40	12.37	5.26	98	8.23	6-0	
	3b	S	24.80	1.08	4.00	67	7.13	5-0	
		D	22.20	1.08	4.24	67	7.11	5-4	
	4	S	25.20	1.11	4.68	78	7.11	6	
	8	S	26.40	1.07	3.86	66	7.12	7-3	
		D	21.70	1.14	3.34	53	6.96	4-7	
	9	S	22.40	0.99	3.94	63	6.94	5	

Location: SWAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951 15.1	1	S	22.30	19.62	6.42	125	8.18	6	0
		D	22.10	20.18	6.30	123	8.25	5	0
	2	S	23.00	19.74	5.07	100	8.17	8-0	19
		D	22.90	19.82	5.20	103	8.15	8-0	0
	3	S	23.00	19.32	5.40	106	8.21	6	0
		D	23.00	19.43	6.21	122	8.19	9	0
	4	S	23.00	19.29	4.95	97	8.18	11-5	0
		D	22.90	19.80	3.48	68	8.13	10-0	0
	5	S	23.20	18.95	5.02	98	8.22	14	0
		D	22.80	19.42	3.23	63	7.95	34	0
	5a	S	23.90	18.81	5.65	112	8.24	20-2	0
		D	23.70	18.79	5.93	118	8.23	18-3	0
	6	S	23.00	18.77	5.62	110	8.21	18-7	0
		D	22.70	18.78	5.69	111	8.21	19-4	0
	7	S	22.50	17.90	4.60	90	8.10	19	0
		D	22.50	18.64	5.13	101	8.30	14	0
	8	S	26.70	16.10	6.60	134	8.34	9-11	0
		D	26.70	16.21	6.81	138	8.33	15-2	0
	9	S	27.10	15.68	4.69	95	7.90	15-10	100
	9a	S	24.80	10.99	3.98	73	7.86	29	0
	10	S	25.60	9.98	4.20	78	7.68	26-7	0
	12	S	25.80	3.51	6.50	113	7.78	7	0
	13	S	25.20	1.34	3.85	65	7.32	8-17	0
28- 29.11	1	S	22.30	20.16	7.17	140	8.17	9	0
		D	22.30	20.29	6.98	137	8.21	9	0
	2	S	22.10	20.12	7.02	137	8.16	9-9	0
		D	22.10	20.08	4.21	82	8.16	12-1	0
	3	S	22.60	19.78	4.29	84	8.08	15	18
		D	22.50	19.80	6.78	133	8.10	15	
	4	S	22.70	19.68	6.86	135	8.10	11-12	0
		D	22.50	19.70	6.24	123	8.08	13-8	0
	5	S	22.30	19.57	6.29	123	8.06	19	0
		D	22.00	19.59	4.21	82	8.05	15	0
	5a	S	22.80	19.57	5.72	112	8.06	18-11	0
		D	22.60	19.56	5.23	103	8.06	10-19	0
	6	S	21.40	19.27	5.53	106	8.10	12-21	0
		D	21.20	19.33	5.00	95	8.02	17-20	0

Location: SWAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
28-	7	S	21.00	18.49	5.28	100	8.08	10	0
29.11		D	22.15	19.22	5.10	99	8.04	19	0
	8	S	22.80	16.89	4.70	89	8.00	19-13	42
		D	22.50	17.17	4.67	89	8.04	19-11	21
	9	S	25.50	15.42	4.67	91	7.70	32-11	97
	9a	S	23.40	14.66	4.38	82	7.74	43	0
	10	S	23.70	12.25	4.43	82	7.75	51-11	0
	12	S	24.60	6.28	4.77	83	7.61	9	0
	13	S	23.20	2.08	3.43	56	7.46	9-6	0
16.111	6	S	22.85	19.65	5.24	103	8.07		5
		D	22.40	19.66	4.70	91	8.06		65
28-	1	S	22.00	20.11	5.64	110	8.18	7	0
29.111		D	22.05	20.13				13	0
	2	S	22.20	20.09	4.62	90	8.12	7-6	0
		D	22.20	20.11	4.82	94	8.15	7-1	0
	3	S	22.10	20.00	4.36	84	8.08	9	7
		D	21.90	19.96	4.43	87	8.05	10	15
	4	S	22.30	19.89	4.76	93	8.06	13-4	17
		D	22.30	19.91	4.23	83	8.04	9-3	10
	5	S	22.30	19.82	4.43	87	8.04	9	6
		D	22.30	19.83	4.76	93	8.04	14	12
	5a	S	23.10	19.85	4.27	84	7.84	17-12	7
		D	22.80	19.88	3.77	74	7.79	19-9	10
	6	S	22.00	19.78	4.46	86	8.02	13-0	4
		D	21.60	19.83	4.49	86	7.98	15-2	4
	7	S	21.80	19.36	4.18	81	7.99	16	3
		D	21.90	19.35	4.18	81	7.99	16	4
	8	S	22.70	17.50	4.76	90	7.71	26-21	13
		D	22.10	17.74	3.85	73	7.73	27-9	93
	9	S	25.20	16.35	3.56	70	7.57	46-22	235
	9a	S	23.00	14.43	4.43	82	7.71	26	10
	10	S	23.80	13.35	4.43	83	7.67	27-6	10
	12	S	24.40	7.85	4.43	79	7.55	7	5
	13	S	23.10	2.81	4.12	68	7.50	7-1	6

Location: SWAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
13.iv	6	S	22.10	19.33	4.46	87	8.03	12-12	0
		D	21.80	19.66	2.67	51	7.90	18-18	185
20.iv	6	S	19.50	17.95	6.02	110	8.18	8-13	0
		D	20.10	19.21	4.42	82	7.98	7-16	4
26.iv	6	S	19.60	17.60	6.48	118	8.18	3-24	0
		D	19.60	19.30	3.98	74	8.00	3-17	5
25.v	6	S	15.60	17.47	5.05	85	8.05	10-12	0
		D	16.50	18.94	2.76	48	7.95	13-8	0
11- 12.vi	1	S	16.60	18.99	5.83	103	8.09	6	0
		D	17.00	19.59	6.22	112	8.12	7	0
	2	S	16.70	19.37	5.64	100	8.10	7-4	0
		D	16.80	19.38	5.53	98	8.10	11-0	0
	3	S	15.70	17.84	5.64	96	8.04	9	0
		D	16.10	18.52	5.47	94	8.04	11	5
	4	S	14.70	14.70	6.16	100	7.98	7-3	20
		D	16.90	18.92	3.91	69	8.00	15-0	0
	5	S	15.25	14.30	6.50	106	7.99	7	14
		D	16.50	17.58	4.00	72	7.91	6	0
	5a	S	16.10	16.76	6.06	103	7.99	8	0
		D	16.40	17.31	5.55	95	7.94	3	0
	6	S	15.50	14.29	5.98	98	7.86	4-11	40
		D	16.10	17.71	4.40	79	7.91	3-12	0
	7	S	15.60	8.95	4.57	70	7.49	13	138
		D	16.10	17.51	4.78	82	7.92	5	0
	8	S	15.50	9.02	4.98	77	7.47	10-13	148
		D	16.30	14.26	3.72	62	7.50	11-1	55
	9	S	16.10	3.82	3.98	59	7.19	31	200
	9a	S	15.20	3.15	3.64	52	7.14	32	268
	10	S	15.60	2.75	4.07	58	7.13	20-4	275
	12	S	14.90	3.08	5.16	72	7.33	4	202
	13	S	14.70	3.72	4.95	71	7.49	0-5	190

Location: SWAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
27.vi	6	S	14.40	4.68	8.05	116	8.04	23-5	
		D	16.40	17.23	1.51	26	7.74	30-3	
6.vii	6	S	13.25	2.38	6.79	93	7.79	17-0	
		D	14.00	16.42	0.70	11	7.60	23-0	
11.vii	1	S	13.00	17.56	6.75	109	8.20	3	
		D	16.35	19.46	6.65	117	8.19	4	
	2	S	11.80	8.67	7.06	100	8.20	5-2	
		D	16.20	18.53	6.45	112	6-0	6-0	
	3	S	12.80	4.82	7.72	107	8.04	15	
		D	16.10	18.71	6.65	116	8.16	7	
	4	S	13.50	4.51	7.70	108	7.99	13	
		D	15.70	18.38	4.65	80	8.00	14-0	
	5	S	14.00	4.50	7.47	106	7.91	9	
		D	16.30	18.15	1.61	28	7.70	38	
	5a	S	13.70	4.60	5.85	84	7.63	41	
		D	15.60	16.43	0.09	2	7.44	55	
	6	S	13.50	5.01	6.30	89	7.69	7-3	
		D	15.80	16.92	1.02	17	7.52	52-4	
	7	S	12.80	3.07	6.00	82	7.55	18	
		D	15.00	14.29	1.61	26	7.46	31	
	8	S	13.50	2.48	5.62	77	7.44	21	
		D	14.40	8.94	1.81	27	7.30	35-0	
	9	S	12.30	2.02	6.40	86	7.34	11	
	9a	S	12.00	1.77	5.90	79	7.26	51	
	10	S	12.00	1.68	6.00	79	7.21	34	
	12	S	11.80	1.83	6.27	83	7.36	3	
	13	S	12.10	1.84	6.50	87	7.39	8-0	
19.vii	6	S	13.40	3.42	6.13	85	7.63	4-0	400
		D	16.00	17.91	1.00	17	7.65	66-0	30
27.vii	6	S	14.00	5.23	7.40	106	8.07	0-2	250
		D	16.00	17.50	0.34	6	7.67	52-0	36

Location: SWAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ %	pH	PO ₄ -P	NO ₃ -N
1951									
8.viii	1	S	13.70	12.56	6.45	100	8.17	4	80
		D	14.90	19.41	5.25	90	8.17	5	3
	2	S	12.70	8.34	6.90	100	8.20	4-23	90
		D	14.60	16.98	5.48	91	8.11	7-6	26
	3	S	12.40	7.19	6.95	99	8.15	4	80
		D	15.60	10.42	6.30	102	8.09	2	70
	4	S	12.10	6.63	7.45	104	8.13	0-21	70
		D	16.00	18.81	3.67	64	8.04	14-7	35
	5	S	11.90	5.31	6.93	96	7.87	5	114
		D	15.90	17.98	1.03	18	7.74	28	45
	5a	S	13.10	5.85	7.18	102	7.68	28	46
		D	14.90	12.24	3.47	55	7.97	13	11
	6	S	11.90	4.59	6.80	92	7.68	4-23	107
		D	15.40	15.95	1.70	28	7.63	11-13	77
	7	S	11.90	3.12	5.55	74	7.14	12	120
		D	14.80	14.44	2.19	31	7.61	4	40
	8	S	11.50	1.39	5.64	74	7.13	22-4	165
		D	11.30	1.37	5.74	75	7.08	25-0	150
	9	S	12.20	1.60	6.06	80	7.30	16-2	143
		9a	11.00	1.77	6.17	80	7.18	18	143
	10	S	11.20	1.86	6.32	83	7.19	10-10	143
	12	S	11.40	2.35	6.46	85	7.29	5	105
	13	S	11.10	2.48	6.80	90	7.36	5-9	127
31.viii	6	S	16.75	3.32	8.20	121	8.16	5-16	16
		D	15.80	17.70	0.34	6	7.65	50-0	12
7.ix	6	S	15.80	5.79	7.75	116	8.20	8-36	0
		D	15.70	17.25	0.06	1	7.31	43-18	140
11.ix	1	S	17.20	19.19	5.70	102	8.19	5	2
		D	17.30	19.42	5.90	105	8.18	5	5
	2	S	17.50	17.05	5.97	104	8.23	5-10	16
		D	17.40	18.89	5.80	103	8.18	5-6	7
	3	S	16.50	9.13	6.64	104	8.45	3	4
		D	17.00	17.98	4.80	84	8.14	4	5
	4	S	16.50	8.35	7.02	109	8.50	3-30	0
		D	16.80	17.26	4.26	73	8.13	7-16	2
	5	S	16.90	6.55	7.20	111	8.43	3	6
		D	15.80	18.20	1.13	19	7.75	22	38

Location: SWAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
11.ix	5a	S	15.90	6.26	6.35	95	8.22	10	2
		D	17.20	17.06	0.03	1	7.38	45	6
	6	S	17.00	6.68	6.66	102	8.33	2-18	0
		D	15.80	17.55	0.21	4	7.59	32-9	20
	7	S	17.10	7.49	6.54	103	8.11	15	0
		D	15.90	17.52	0.03	1	7.36	62	23
	8	S	19.10	2.84	3.63	56	7.31	27-0	165
		D	18.70	3.13	3.30	51	7.30	25-6	244
	9	S	18.40	1.77	5.16	78	7.23	25-0	114
	9a	S	17.80	1.72	4.74	70	7.12	26	77
	10	S	17.40	1.75	4.68	69	7.08	21-7	75
	12	S	16.70	2.14	4.68	69	7.16	3	28
	13	S	16.10	2.06	5.27	75	7.21	0-12	16
21.ix	6	S	17.80	8.55	5.85	93	8.26	3-22	8
		D	16.10	17.78	0.06	1	7.63	35-9	0
28.ix	6	S	18.90	11.69	4.45	75	7.69	6-17	0
		D	16.50	17.32	0.51	1	7.61	29-27	11
4.x	6	S	20.10	12.69	6.30	109	8.16	22-17	0
		D	17.00	17.63	0.65	1	7.64	32-6	32
19.x	6	S	17.70	14.68	5.38	91	8.04	11-6	0
		D	17.60	16.40	4.38	76	8.00	17-10	0
26.x	6	S	21.90	14.44	5.95	109	8.14	13-0	0
		D	18.20	17.97	2.41	43	7.90	21-10	0
2.xi	6	S	20.00	15.04	4.73	84	8.03	7-8	
		D	20.10	15.12	4.73	84	8.02	12-11	
8-	1	S	19.00	19.24	5.41	100	8.17	4	0
9.xi		D	18.50	19.58	5.63	103	8.17	4	0
	2	S	20.40	17.25	5.70	105	8.16	3-8	0
		D	19.30	18.82	5.74	105	8.18	2-5	0
	3	S	19.20	16.15	5.76	102	8.15	2	0
		D	19.10	16.67	5.84	104	8.15	3	0

Location: SWAN RIVER

Date	Station	Depth	Temp. °C.	Cl ‰	O ₂	O ₂ ‰	pH	PO ₄ -P	NO ₃ -N
1951									
8-	4	S	19.60	15.81	5.66	101	8.13	5-8	0
9.xi		D	18.70	18.32	4.50	82	8.09	5-4	0
	5	S	20.00	14.93	5.27	94	8.09	3	0
		D	18.90	17.89	1.67	30	7.89	13	0
	5a	S	20.00	13.77	5.10	89	8.06	8	0
		D	19.30	15.88	4.50	80	8.05	16	0
	6	S	21.10	14.79	5.59	101	8.12	7-8	0
		D	19.30	15.10	3.56	63	8.01	17-7	0
	7	S	21.10	9.02	5.63	95	8.13	10	0
		D	19.60	12.37	4.18	72		13	0
	8	S	20.70	7.21	4.72	79	7.77	17-8	80
		D	20.00	11.87	3.68	63	7.85	17-18	0
	9	S	23.80	3.63	4.66	73	7.54	5-24	20
	9a	S	21.90	3.25	5.95	96	7.61	10	0
	10	S	23.10	1.94	6.44	105	7.49	11-1	0
	12	S	22.50	2.28	5.79	92	7.48	7	0
	13	S	22.80	2.74	5.27	86	7.41	5-6	0
16.xi	6	S	21.60	14.03	4.07	74	8.07	26-11	0
		D	20.40	14.41	4.50	80	8.11	19-10	0
30.xi	6	S	22.90	16.36	4.73	90	8.13	22-2	
		D	20.60	17.96	3.33	62	7.98	21-2	
7.xii	6	S	21.70	16.39	5.03	94	8.14	19-3	
		D	21.60	18.42	2.11	40	7.92	24-0	
14.xii	6	S	21.60	13.20	5.13	92	8.10	20-0	
		D	21.60	18.37	1.96	37	7.89	25-4	
21.xii	6	S	22.90	14.96	5.16	96	8.16	14-7	
		D	21.70	18.51	3.08	59	7.93	21-4	