

APPENDIX

Nitrate µM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 1 16/9/88	s* 0.34	0.24	0.23	0.22	#14	5.1
	m 0.09	0.22	0.12	0.28		
	b 0.18	0.23	0.18	0.88	2.4	1.1
Trip 2 26/11/88	s 0.36	0.22	0.15	0.13	0.45	0.72
	m 0.34	0.16	0.17	0.22		
	b 0.45	0.18	0.18	0.36	0.55	0.85
Trip 3 4/3/89	s 0.27	0.35	0.30	0.33	0.74	0.89
	m 0.29	0.30	0.26	0.34		
	b 0.31	0.33	0.35	0.29	0.82	1.0
Trip 4 1/6/89	s 0.31	0.23	0.16	0.15	0.36	0.64
	m 0.30	0.24	0.18	0.18		
	b 0.32	0.19	0.22	0.24	0.38	0.68
Trip 5 4/6/89	s** 0.29	0.17	0.20	0.16	0.34	0.66
	m					
	b					
Trip 6 10/7/89	s 0.42	0.48	0.47	0.39	0.61	***
	m 0.40	0.45	0.42	0.44		4.9
	b 0.42	0.51	0.45	0.43	0.64	
Trip 7 10/8/89	s 0.28	0.16	0.17	0.15	0.35	
	m 0.28	0.20	0.23	0.18		1.2
	b 0.31	0.22	0.19	0.26	0.38	
Trip 8 15/9/89	s 0.19	0.17	0.18	0.19	0.33	
	m 0.21	0.14	0.19	0.16		0.81
	b 0.21	0.16	0.23	0.20	0.35	
Trip 9 30/10/89	s 0.25	0.13	0.14	0.15	0.37	
	m 0.24	0.13	0.12	0.17		2.6
	b 0.26	0.15	0.16	0.24	0.41	

Nitrate μM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 10 20/11/89	s 0.17	0.11	0.12	0.16	0.29	
	m 0.19	0.13	0.18	0.19		3.0
	b 0.20	0.12	0.23	0.22	0.31	
Trip 11 16/12/89	s 0.38	0.32	0.32	0.28	0.68	
	m 0.38	0.32	0.34	0.35		8.7
	b 0.36	0.33	0.35	0.37	0.70	
Trip 12 12/2/90	s 0.20	0.20	0.18	0.23	0.32	
	m 0.19	0.21	0.22	0.21		2.1
	b 0.20	0.20	0.21	0.24	0.35	
Trip 13 6/4/90	s 0.40	0.36	0.34	0.35	0.86	
	m 0.39	0.36	0.35	0.38		11
	b 0.40	0.38	0.38	0.42	0.94	

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

*** Change of sampling site.

Anomalous value.

Ammonia µM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 1 16/9/88	s* 0.12	0.08	0.06	0.04	0.15	0.14
	m 0.09	0.08	0.05	0.08		
	b 0.11	0.08	0.11	0.10	0.10	0.18
Trip 2 26/11/88	s 0.19	0.44	0.51	0.10	0.27	0.33
	m 0.25	0.19	0.20	0.29		
	b 0.32	0.28	0.33	0.34	0.42	0.26
Trip 3 4/3/89	s 0.22	0.30	0.21	0.20	0.86	1.2
	m 0.07	0.11	0.29	0.65		
	b 0.35	0.16	0.42	0.96	0.72	1.3
Trip 4 1/6/89	s 0.39	0.14	0.19	0.12	0.32	0.39
	m 0.56	0.31	0.13	0.18		
	b 0.71	0.09	0.20	0.26	0.20	0.57
Trip 5 4/6/89	s** 0.69	0.21	0.25	0.07	0.29	0.38
	m					
	b					
Trip 6 10/7/89	s 0.42	0.15	0.32	0.36	0.51	***
	m 0.27	0.22	0.41	0.28		1.1
	b 0.33	0.35	0.57	0.49	0.78	
Trip 7 10/8/89	s 0.17	0.06	0.18	0.09	0.18	
	m 0.36	0.11	0.10	0.14		0.68
	b 0.22	0.21	0.14	0.19	0.29	
Trip 8 15/9/89	s 0.24	0.17	0.10	0.15	0.21	
	m 0.30	0.13	0.29	0.23		0.74
	b 0.19	0.19	0.21	0.25	0.40	
Trip 9 30/10/89	s 0.27	0.28	0.08	0.34	0.33	
	m 0.35	0.19	0.14	0.43		0.65
	b 0.32	0.24	0.16	0.37	0.45	

Ammonia μM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 10 20/11/89	s 0.27	0.13	0.08	0.35	0.19	
	m 0.11	0.22	0.18	0.20		0.80
	b 0.19	0.24	0.15	0.20	0.30	
Trip 11 16/12/89	s 0.22	0.19	0.31		0.47	
	m 0.28	0.26	0.18	0.36		1.2
	b 0.38	0.23	0.25	0.28	0.59	
Trip 12 12/2/90	s 0.11	0.21	0.17	0.18	0.22	
	m 0.23	0.09	0.24	0.10		
	b	0.13	0.15	0.20	0.31	
Trip 13 6/4/90	s 0.50	0.14	0.68	0.40	0.81	
	m 0.61	0.22	0.58	0.38		1.4
	b 0.43	0.24	0.63	0.48	0.86	

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

*** Change of sampling site.

Nitrite µM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 1 16/9/88	s*					
	m					
	b					
Trip 2 26/11/88	s 0.05	0.02	0.03	0.01	0.02	0.08
	m 0.02	0.01	<0.01	0.02		
	b 0.01	0.02	0.01	<0.01	0.02	0.06
Trip 3 4/3/89	s 0.01	<0.01	0.02	<0.01	0.05	0.10
	m 0.02	0.01	<0.01	0.01		
	b <0.01	0.02	<0.01	0.04	0.07	0.09
Trip 4 1/6/89	s 0.02	0.01	<0.01	0.02	0.03	0.04
	m <0.01	0.01	0.01	<0.01		
	b <0.01	<0.01	<0.01	0.01	0.01	0.02
Trip 5 4/6/89	s** <0.01	<0.01	<0.01	<0.01	0.01	0.02
	m					
	b					
Trip 6 10/7/89	s 0.02	<0.01	<0.01	0.02	0.05	***
	m <0.01	0.01	0.02	0.01		0.15
	b <0.01	<0.01	0.02	<0.01	0.06	
Trip 7 10/8/89	s 0.03	0.02	0.02	<0.01	0.06	
	m 0.01	<0.01	0.01	<0.01		0.10
	b 0.01	0.01	<0.01	<0.01	0.04	
Trip 8 15/9/89	s 0.04	0.01	0.01	0.02	0.04	
	m 0.03	0.02	<0.01	0.01		0.12
	b 0.02	<0.01	<0.01	0.01	0.05	
Trip 9 30/10/89	s 0.01	<0.01	0.02	<0.01	0.01	
	m 0.01	<0.01	<0.01	<0.01		0.06
	b <0.01	<0.01	0.01	<0.01	0.02	

Nitrite μM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 10 20/11/89	s <0.01	<0.01	<0.01	<0.01	<0.01	
	m <0.01	<0.01	<0.01	0.01		0.05
	b 0.01	0.02	<0.01	<0.01	0.03	
Trip 11 16/12/89	s <0.01	0.01	<0.01	0.01	0.02	
	m <0.01	0.01	0.02	<0.01		0.09
	b <0.01	<0.01	0.01	<0.01	0.03	
Trip 12 12/2/90	s <0.01	<0.01	0.01	<0.01	0.01	
	m 0.01	<0.01	<0.01	<0.01		0.08
	b <0.01	<0.01	0.01	0.02	0.04	
Trip 13 6/4/90	s 0.01	<0.01	0.01	0.02	0.05	
	m <0.01	<0.01	<0.01	0.01		0.14
	b <0.01	0.01	<0.01	<0.01	0.07	

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

*** Change of sampling site.

Phosphate μM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 1 16/9/88	s* 0.11	0.09	0.09	0.09	0.29	0.25
	m 0.13	0.10	0.18	0.10		
	b 0.13	0.11	0.12	0.52	0.21	0.27
Trip 2 26/11/88	s 0.19	0.16	0.13	0.13	0.10	0.15
	m 0.23	0.19	0.12	0.10		
	b 0.16	0.09	0.17	0.18	0.28	0.19
Trip 3 4/3/89	s 0.21	0.22	0.20	0.16	0.27	0.36
	m 0.25	0.28	0.20	0.29		
	b 0.19	0.20	0.22	0.29	0.34	0.52
Trip 4 1/6/89	s 0.15	0.21	0.24	0.20	0.23	0.26
	m 0.08	0.27	0.24	0.24		
	b 0.13	0.21	0.25	0.25	0.24	0.28
Trip 5 4/6/89	s** 0.20	0.15	0.23	0.27	0.21	0.26
	m					
	b					
Trip 6 10/7/89	s 0.24	0.25	0.28	0.25	0.26	***
	m 0.23	0.19	0.24	0.25		0.51
	b 0.22	0.27	0.27	0.22	0.29	
Trip 7 10/8/89	s 0.15	0.21	0.16	0.19	0.25	
	m 0.14	0.18	0.17	0.21		0.39
	b 0.16	0.18	0.20	0.23	0.28	
Trip 8 15/9/89	s 0.07	0.14	0.10	0.10	0.14	
	m 0.14	0.12	0.14	0.13		0.35
	b 0.11	0.20	0.18	0.24	0.23	
Trip 9 30/10/89	s 0.13	0.15	0.26	0.11	0.22	
	m 0.18	0.17	0.15	0.32		0.29
	b 0.23	0.17	0.25	0.26	0.26	

Phosphate μM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 10 20/11/89	s 0.12	0.16	0.09	0.10	0.17	
	m 0.10	0.09	0.12	0.09		0.26
	b 0.12	0.11	0.10	0.16	0.12	
Trip 11 16/12/89	s 0.21	0.19	0.18	0.22	0.27	
	m 0.15	0.25	0.25	0.19		0.65
	b 0.19	0.21	0.18	0.24	0.26	
Trip 12 12/2/90	s 0.16	0.15	0.16	0.18	0.22	
	m 0.15	0.14	0.14	0.15		0.46
	b 0.15	0.15	0.22	0.15	0.21	
Trip 13 6/4/90	s 0.26	0.26	0.25	0.26	0.42	
	m 0.28	0.26	0.23	0.28		0.93
	b 0.28	0.24	0.29	0.24	0.38	

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

*** Change of sampling site.

Total P μM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 1 16/9/88	s*					
	m					
	b					
Trip 2 26/11/88	s 0.61	0.71	0.63	0.63	0.68	0.74
	m 0.64	0.73	0.72	0.75		
	b 0.65	0.67	0.72	0.66	0.71	0.83
Trip 3 4/3/89	s 0.63	0.63	0.66	0.62	0.68	0.77
	m 0.65	0.67	0.68	0.67		
	b 0.66	0.71	0.65	0.74	0.70	0.85
Trip 4 1/6/89	s 0.43	0.52	0.51	0.48	0.50	0.58
	m 0.45	0.51	0.52	0.50		
	b 0.50	0.54	0.53	0.51	0.52	0.62
Trip 5 4/6/89	s** 0.39	0.40	0.48	0.50	0.53	0.57
	m					
	b					
Trip 6 10/7/89	s 0.60	0.58	0.62	0.65	0.72	***
	m 0.61	0.63	0.66	0.62		1.5
	b 0.59	0.66	0.61	0.63	0.72	
Trip 7 10/8/89	s 0.54	0.55	0.57	0.59	0.66	
	m 0.51	0.56	0.55	0.59		1.1
	b 0.52	0.57	0.58	0.61	0.67	
Trip 8 15/9/89	s 0.52	0.53	0.50	0.53	0.60	
	m 0.54	0.53	0.53	0.56		0.98
	b 0.53	0.55	0.56	0.54	0.63	
Trip 9 30/10/89	s 0.53	0.52	0.56	0.57	0.70	
	m 0.55	0.53	0.59	0.59		0.92
	b 0.56	0.55	0.61	0.62	0.69	

Total P μM	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 10 20/11/89	s 0.51	0.54	0.53	0.56	0.64	
	m 0.51	0.52	0.55	0.54		0.87
	b 0.52	0.54	0.55	0.55	0.65	
Trip 11 16/12/89	s 0.56	0.57	0.58	0.61	0.71	
	m 0.57	0.58	0.58	0.58		1.4
	b 0.57	0.57	0.60	0.59	0.78	
Trip 12 12/2/90	s 0.52	0.53	0.54	0.56	0.70	
	m 0.53	0.55	0.54	0.55		1.1
	b 0.51	0.54	0.55	0.56	0.71	
Trip 13 6/4/90	s 0.61	0.63	0.67	0.69	1.1	
	m 0.62	0.68	0.66	0.68		3.8
	b 0.62	0.66	0.65	0.73	0.95	

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

*** Change of sampling site.

Chl <i>a</i> µg/l	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 1 16/9/88	s*					
	m					
	b					
Trip 2 26/11/88	s					
	m					
	b					
Trip 3 4/3/89	s					
	m					
	b					
Trip 4 1/6/89	s 2.14	0.84		0.68	0.87	1.27
	m	0.71	1.12	0.79		
	b 1.73		0.94	0.52	1.04	1.56
Trip 5 4/6/89	s** 2.35	0.68	0.77	0.43		2.24
	m					
	b					
Trip 6 10/7/89	s	0.98	1.23	1.05	1.35	***
	m 3.22	1.05		0.89		
	b 2.70	0.94	1.10	1.18	1.27	
Trip 7 10/8/89	s 1.38	0.54	0.59	0.80	1.01	
	m 1.07	0.48	0.64	0.85		
	b 1.18		0.75	0.91		
Trip 8 15/9/89	s 1.18	0.80		0.53	0.96	
	m 0.96	1.07	0.69			
	b 1.23	0.80	0.75		1.12	
Trip 9 30/10/89	s	0.71	0.63	0.58	0.83	
	m 1.14		0.71	0.76		
	b 1.10	0.85	0.67	0.63		

Chl <i>a</i> µg/l	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 10 20/11/89	s 0.94	0.54	0.66	0.80	0.77	
	m 0.82	0.57		0.63		
	b	0.61	0.74		0.85	
Trip 11 16/12/89	s 1.25		0.70	0.86	0.98	
	m 1.33	0.82		0.77		
	b 1.46	0.77		0.77		
Trip 12 12/2/90	s 1.03	0.63	0.63	0.68		
	m 0.97		0.71	0.74		
	b 1.16	0.68	0.71		1.07	
Trip 13 6/4/90	s 2.26	1.03	1.16	1.33	1.56	
	m 3.34	0.91		1.20		
	b	0.98	1.08	1.16	1.72	

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

*** Change of sampling site.

Inorg Hg µg/l	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 2 26/11/88	s* <0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	m <0.05	<0.05		<0.05		
	b <0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trip 3 4/3/89	s <0.05	<0.05	<0.05	<0.05	<0.05	<0.05
	m <0.05		<0.05	<0.05		
	b <0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trip 4 1/6/89	s <0.05	<0.05		<0.05	<0.05	<0.05
	m <0.05	<0.05	<0.05	<0.05		
	b <0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trip 5 4/6/89	s** <0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Trip 6 10/7/89	s <0.05	<0.05	<0.05	<0.05	<0.05	m* <0.05
Trip 7 10/8/89	s <0.05		<0.05	<0.05	<0.05	m <0.05
Trip 8 15/9/89	s <0.05	<0.05	<0.05	<0.05	<0.05	m <0.05
Trip 9 30/10/89	s <0.05	<0.05	<0.05		<0.05	
Trip 10 20/11/89	s <0.05	<0.05	<0.05	<0.05	<0.05	m <0.05
Trip 11 16/12/89	s	<0.05	<0.05	<0.05	<0.05	m <0.05
Trip 12 12/2/90	s <0.05	<0.05	<0.05	<0.05	<0.05	m <0.05
Trip 13 6/4/90	s <0.05	<0.05	<0.05	<0.05	<0.05	m <0.05

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

Change of sampling site; only mid-depth samples collected at Site.6.

Temp. °C	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 9 30/10/89	s* 26.8	27.3	27.6	27.5	27.0	
	m 26.8	27.3	27.6	27.5		
	b 26.5			27.5	27.0	
Trip 10 20/11/89	s 28.9	28.9	28.9	29.0	29.1	
	m 28.8	28.8	28.8	28.9		
	b 28.8			28.9	29.0	
Trip 11 16/12/89	s 29.3	29.5	29.6	29.5	29.5	
	m 29.2	29.2	29.3	29.2		
	b 29.2			29.2	29.3	
Trip 12 12/2/90	s 30.4	31.2	31.0	30.5	30.1	
	m 30.3	30.4	30.3	30.3		
	b 30.3			30.3	30.0	
Trip 13 6/4/90	s 28.8	28.6	28.6	28.7	28.4	
	m 28.6	28.3	28.3	28.3		
	b 28.6			28.3	28.4	

* s surface; m mid-depth; b bottom.

Dissolved Oxygen mg/l	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 9 30/10/89	s* 8.3	8.1	8.2	8.2	8.0	
	m 8.2	8.0	8.1	8.0		
	b 8.2			7.9	7.9	
Trip 10 20/11/89	s 7.8	7.7	7.7	7.8	7.7	
	m 7.7	7.6	7.7	7.7		
	b 7.7			7.6	7.6	
Trip 11 16/12/89	s 7.4	7.5	7.4	7.4	7.3	
	m 7.4	7.3	7.3	7.3		
	b 7.4			7.3	7.2	
Trip 12 12/2/90	s 7.1	7.0	7.0	7.1	7.0	
	m 7.0	6.8	6.9	7.0		
	b 6.9			6.9	6.8	
Trip 13 6/4/90	s 7.6	7.6	7.6	7.7	7.6	
	m 7.6	7.6	7.5	7.5		
	b 7.5			7.5	7.4	

* s surface; m mid-depth; b bottom.

Salinity ‰	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 1 16/9/88	s*					
	m					
	b					
Trip 2 26/11/88	s					
	m					
	b					
Trip 3 4/3/89	s 33.5	33.3	34.6	34.3	31.9	30.8
	m 34.4	35.0	35.0	35.1		
	b 34.8	35.4	35.2	35.2	33.2	31.3
Trip 4 1/6/89	s 35.3	35.5	35.4	35.3	35.2	34.9
	m 35.1	35.6	35.2	35.4		
	b 35.2	35.3	35.3	35.8	35.7	35.2
Trip 5 4/6/89	s** 35.5	35.2	35.4	35.3	35.1	34.7
	m					
	b					
Trip 6 10/7/89	s 34.5	34.4	34.4	34.6	33.4	***
	m 34.9	35.1	35.2	35.4		6.9
	b 35.0	35.3	35.5	35.4	35.0	
Trip 7 10/8/89	s 35.2	35.3	35.2	35.2	35.4	
	m 35.4	35.3	35.7	35.4		8.3
	b 35.4	35.4	35.6	35.5	35.5	
Trip 8 15/9/89	s 35.5	35.4	35.4	35.5	35.3	
	m 35.6	35.6	35.4	35.3		14.2
	b 35.5	35.5	35.5	35.6	35.4	
Trip 9 30/10/89	s 35.6	35.8	35.7	35.7	35.8	
	m 35.5	35.5	35.4	35.5		11.1
	b 35.5	35.6	35.6	35.5	35.8	

Salinity ‰	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 10 20/11/89	s 35.7	35.8	36.0	35.8	35.9	
	m 35.6	35.6	35.7	35.6		9.4
	b 35.5	35.5	35.6	35.6	35.8	
Trip 11 16/12/89	s 35.2	35.5	35.3	35.4	35.4	
	m 35.4	35.5	35.5	35.6		2.7
	b 35.4	35.6	35.6	35.6	35.6	
Trip 12 12/2/90	s 35.1	35.2	35.0	35.2	35.1	
	m 35.3	35.5	35.4	35.4		5.3
	b 35.3	35.5	35.5	35.4	35.4	
Trip 13 6/4/90	s 34.9	34.7	34.4	34.6	34.3	
	m 35.0	35.4	35.3	35.1		3.2
	b 35.1	35.5	35.3	35.2	34.8	

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

*** Change of sampling site.

Suspended Solids mg/l	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 1 16/9/88	s*					
	m					
	b					
Trip 2 26/11/88	s 2.0	2.1	1.8	2.8	2.4	3.2
	m 2.8	1.5	1.4	2.4		
	b 1.7	1.6			5.0	2.6
Trip 3 4/3/89	s 1.4	2.9	1.4	2.4	3.4	3.7
	m 1.4	2.1	1.9	3.4		
	b 1.9	2.8	1.7	2.0	5.6	4.9
Trip 4 1/6/89	s 1.8	1.9	2.0	1.9	2.2	2.2
	m 2.1	1.9	2.6	2.0		
	b 2.1	1.9	1.9		3.9	2.6
Trip 5 4/6/89	s** 1.7	1.6	1.9	1.9	2.0	2.1
	m					
	b					
Trip 6 10/7/89	s 4.6	3.7	4.0	4.2	4.7	***
	m 4.5	4.1	4.1	4.2		42
	b 3.9	4.1	4.4	6.6	4.4	
Trip 7 10/8/89	s 2.3	2.0	1.7	1.4	2.4	
	m 1.2	1.4	1.4	1.3		
	b 1.9	1.2	1.8	2.1	2.7	
Trip 8 15/9/89	s 1.0	1.2	1.1	1.3	1.6	
	m 1.2	1.2	1.3	1.3		18
	b 1.0	1.1	1.1	1.4	1.3	
Trip 9 30/10/89	s 1.5	1.5	1.5	1.6	2.6	
	m 1.5	1.4	1.4	1.5		27
	b 1.6	1.7	1.8	1.5	3.1	

Suspended Solids mg/l	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 10 20/11/89	s 1.3	1.2	1.4	1.2	1.2	
	m 1.2	1.3	1.3	1.3		
	b 1.2	1.6	1.3	1.4	1.6	
Trip 11 16/12/89	s 2.5	2.4	2.2	2.9	4.8	
	m 2.3	2.6	2.4	3.0		69
	b 2.3	2.3	2.2	2.5	6.2	
Trip 12 12/2/90	s 1.3	1.2	1.1	1.3	1.1	
	m 1.2	1.0		1.2		17
	b 1.5	1.2	1.2	1.3	1.2	
Trip 13 6/4/90	s 2.2	2.3	2.4	2.1	3.0	
	m 2.5	2.3	2.4	2.5		31
	b 2.6	2.6	2.3	2.2	3.4	

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

*** Change of sampling site.

Secchi Disc Visibility m	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
16/9/88	*8	11	9	6		
26/11/88	*8	15	5	6	4.5	2
4/3/89	*6	7	5.5	5	3.5	2
1/6/89	*7	8.5	7.5	4	3.5	2.5
4/6/89						
10/7/89	7.5	4	4.5	5.5	2.5	
10/8/89	*9	9	5	6	4	
15/9/89	*9	9	7	5	4.5	
30/10/89	6.5	9	3.5	3	2.5	
20/11/89	*8	9.5	5.5	4	4	
16/12/89	4.5	5.5	4.5	4	2.5	
12/2/90	*8	14.5	13.5	11	6.5	
6/4/90	6.5	11	11	11	8	

* bottom.

TOC mg/l	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 1 16/9/88	s*					
	m					
	b					
Trip 2 26/11/88	s					
	m					
	b					
Trip 3 4/3/89	s 2.66	2.17	1.75	1.48		2.03
	m 1.41	4.40	1.95			
	b 1.27	1.90	3.70	4.40	5.10	
Trip 4 1/6/89	s 0.99	1.82	1.59	1.88		
	m 1.24	1.59	1.82	1.44		
	b	1.65	1.10		1.59	
Trip 5 4/6/89	s**1.49		1.13	1.28	1.59	1.43
	m					
	b					
Trip 6 10/7/89	s					***
	m					
	b					
Trip 7 10/8/89	s 0.75	3.57	1.81			
	m 1.96	1.39		1.61		3.38
	b	1.64	2.16	1.94	2.06	
Trip 8 15/9/89	s 2.33	2.66		1.34		
	m 1.03	0.92	2.29	2.73		3.35
	b 3.91	1.78	2.88	2.14	4.15	
Trip 9 30/10/89	s 1.00	0.88	1.27	1.56	2.45	
	m 1.38	0.91	1.28	1.00		3.00
	b 1.13	1.18	0.83	1.12	0.98	

TOC mg/l	Site.1. Green Island	Site.2.	Site.3.	Site.4.	Site.5. Trinity Inlet	Site.6. Barron Estuary
Trip 10 20/11/89	s 3.6	2.3		1.1	5.9	
	m 5.5		2.6	0.9		
	b 3.6	2.3	3.3	3.3	2.6	
Trip 11 16/12/89	s 2.2	1.6	3.2	3.6	1.9	
	m 2.9	2.5		1.8		5.7
	b 1.8	2.4		4.8	0.4	
Trip 12 12/2/90	s 6.2	2.2		3.8	5.6	
	m 4.8					4.3
	b 4.9	3.7	2.4	2.8	3.1	
Trip 13 6/4/90	s	1.5	6.2	6.4		
	m 4.0					5.5
	b	4.7		4.4	3.6	

* s surface; m mid-depth; b bottom.

** Only surface samples collected.

*** Change of sampling site.

	Site.1.	Site.2.	Site.3.	Site.4.	Site.5	Site.6.
Mean \pm S.D.	2.6 \pm 1.6	2.2 \pm 1.0	2.3 \pm 1.2	2.5 \pm 1.5	2.9 \pm 1.7	3.6 \pm 1.5
Range	0.75-6.2	0.88-4.7	0.83-6.2	0.9-6.4	0.4-5.9	1.43-5.7
N	24	24	19	23	14	8

