

Appendix IV

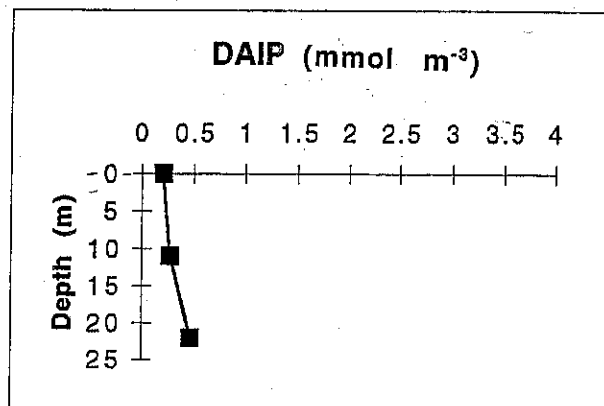
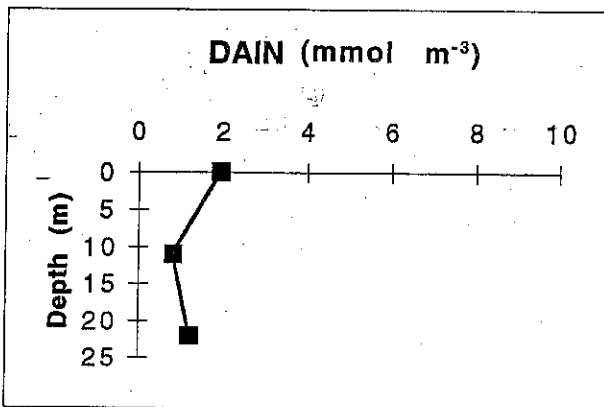
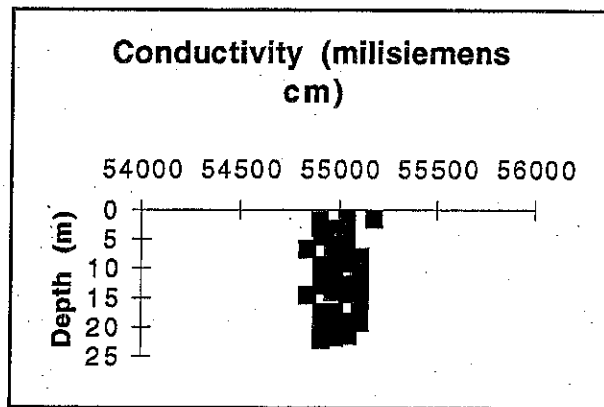
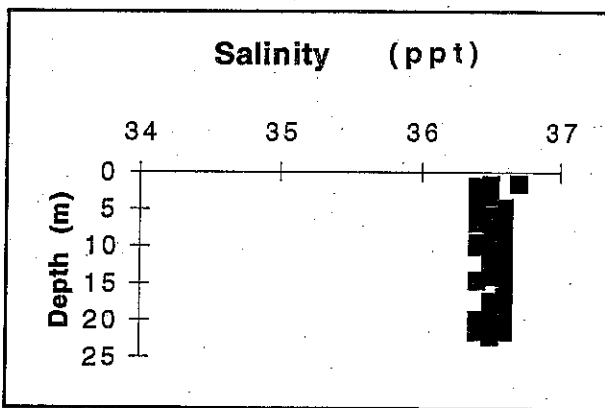
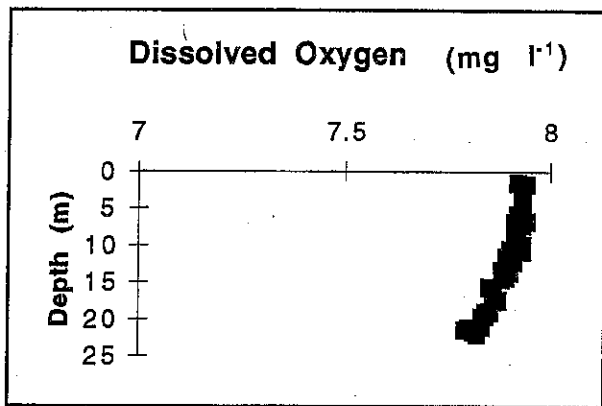
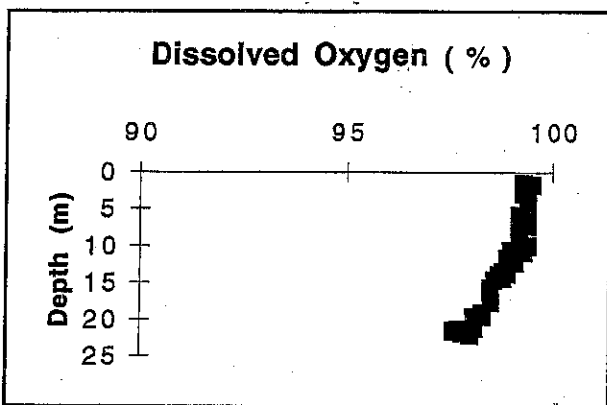
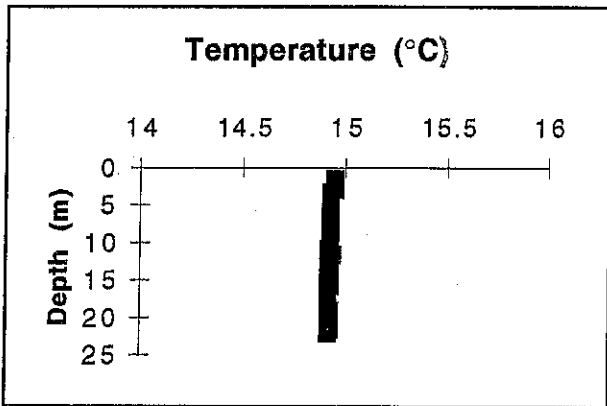
**Results from depth profiling carried out during
surveys 5, 6 and 7**

Survey 5 - 1st July 1997

Site No.	Zone	Latitude	Longitude	Time	Depth metres	Chlorophyll a mg/m3	Dis. reactive silicon mmol/m3 Si	Nitrite nitrogen mmol/m3 N	Nitrate nitrogen mmol/m3 N	Total oxidised nitrogen mmol/m3 N	Ammoniacal nitrogen mmol/m3 N	DAN mmol/m3 N	DAJP mmol/m3 P
8	C	49 04.83 N	2 08.17 W	11:34	0.00	1.34	1.44	0.06	0.44	0.51	1.42	1.93	0.21
					11.00	1.26	1.45	0.06	0.34	0.40	0.42	0.82	0.27
					22.00	1.25	1.48	0.06	0.45	0.51	0.71	1.22	0.47
17	C	49 07.19 N	2 07.09 W	13:15	0.00	0.80	1.46	0.09	0.67	0.76	0.67	1.43	0.14
					11.00	0.89	1.46	0.09	0.64	0.72	0.45	1.17	0.13
					22.00	1.13	1.47	0.10	0.66	0.76	0.81	1.56	0.18
18	C	49 08.00 N	2 06.62 W	13:33	0.00	0.98	1.40	0.09	0.71	0.81	0.50	1.31	0.13
					10.50	1.25	1.38	0.09	0.66	0.74	0.38	1.12	0.14
					21.00	1.37	1.42	0.09	0.61	0.70	0.47	1.17	0.15
20	C	49 08.50 N	2 08.46 W	14:07	0.00	0.93	1.42	0.06	0.55	0.61	0.38	0.99	0.13
					11.50	1.47	1.47	0.10	0.49	0.59	0.27	0.86	0.12
					23.00	1.08	1.48	0.09	0.63	0.71	0.55	1.26	0.15
21	B	49 09.84 N	2 08.59 W	14:28	0.00	1.23	1.46	0.07	0.49	0.56	0.45	1.01	0.12
					8.00	0.98	1.45	0.07	0.69	0.76	0.51	1.26	0.12
					16.00	1.19	1.51	0.08	0.49	0.56	0.55	1.11	0.14
23	B	49 10.18 N	2 08.50 W	14:41	0.00	1.18	1.53	0.07	0.46	0.53	0.65	1.18	0.16
					7.00	0.98	1.52	0.06	0.42	0.49	0.45	0.94	0.13
					14.00	1.25	1.54	0.06	0.44	0.51	0.48	0.99	0.13
25	B	49 10.48 N	2 08.15 W	14:52	0.00	1.43	1.47	0.09	1.83	1.93	0.64	2.57	0.14
					7.50	1.07	1.48	0.08	0.49	0.56	0.56	1.12	0.13
					15.00	0.98	1.51	0.08	0.41	0.49	0.48	0.96	0.11
27	B	49 10.87 N	2 08.15 W	15:02	0.00	1.19	1.52	0.07	0.39	0.46	0.53	0.99	0.12
					7.00	0.94	1.52	0.07	0.39	0.46	0.49	0.95	0.12
					14.00	1.04	1.52	0.08	0.45	0.53	0.66	1.19	0.14
29	B	49 11.25 N	2 07.97 W	15:14	0.00	1.25	1.57	0.06	0.39	0.46	0.77	1.23	0.13
					3.00	0.98	1.54	0.08	0.39	0.47	0.69	1.16	0.14
					6.00	1.20	1.52	0.08	0.40	0.48	0.84	1.31	0.13
30	B	49 11.48 N	2 07.94 W	15:25	0.00	1.74	1.40	0.04	0.45	0.49	0.54	1.03	0.15
					2.50	1.70	1.42	0.07	2.37	2.44	0.69	3.13	0.49
					5.00	1.70	1.36	0.06	1.38	1.43	0.58	2.01	0.35

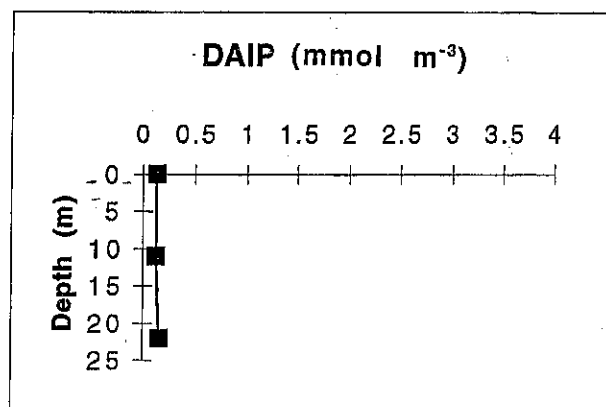
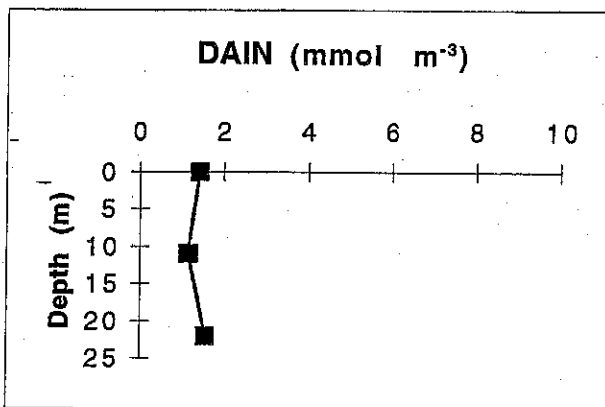
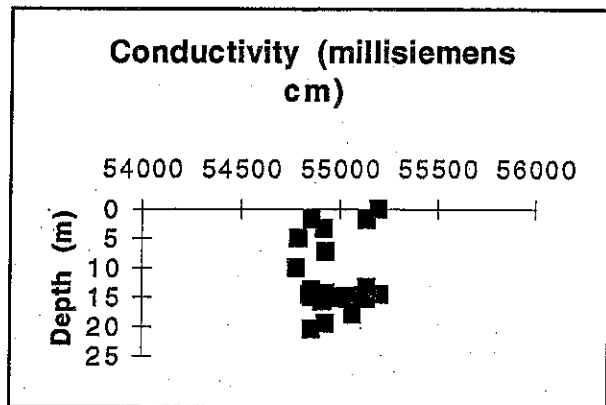
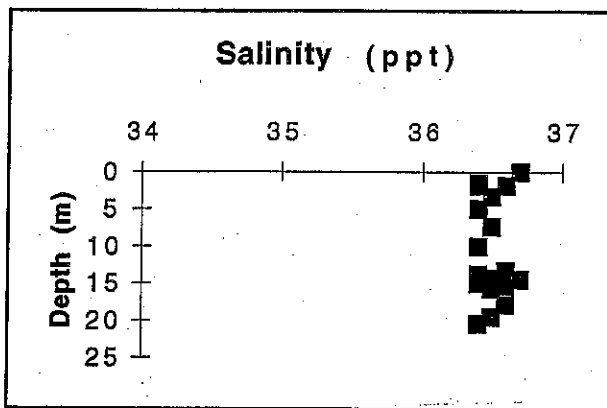
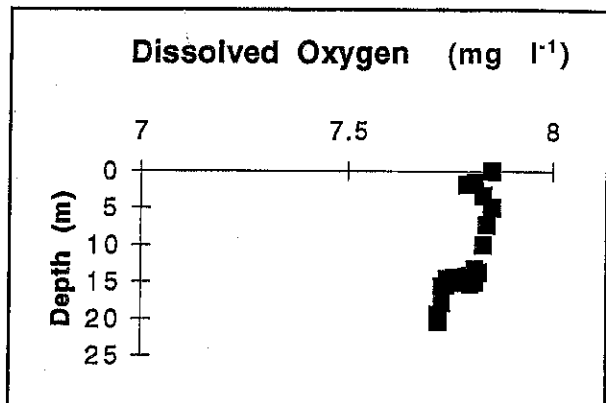
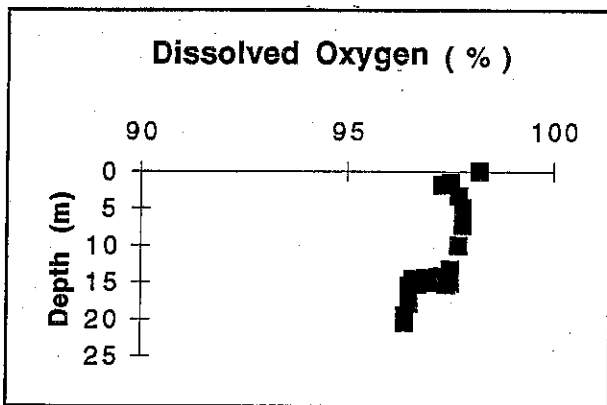
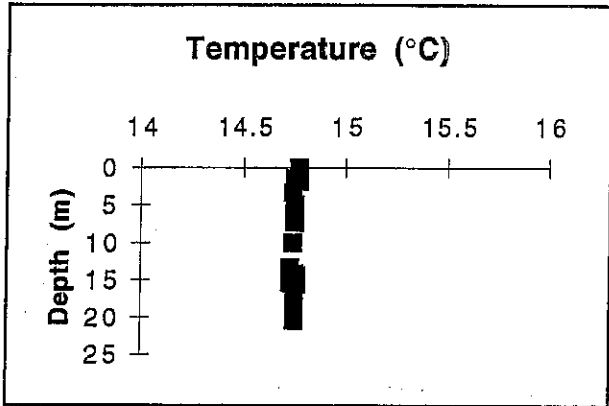
Survey 5 - 1st July 1997

Site 8 - 49 04.83 N 2 08.17 W - Zone C



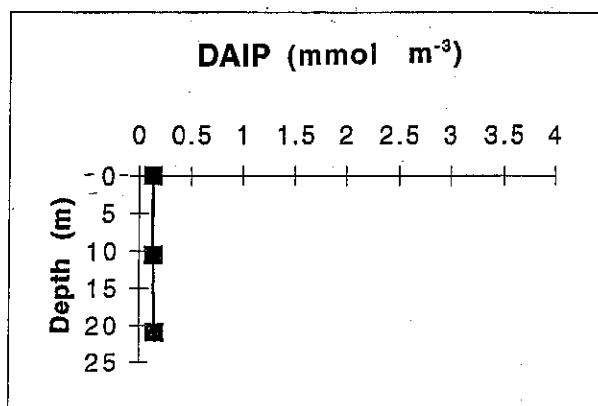
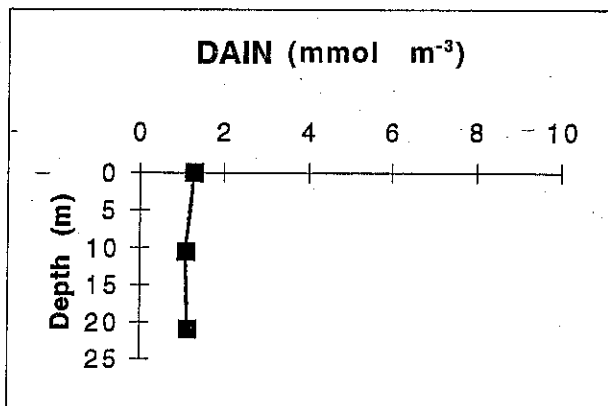
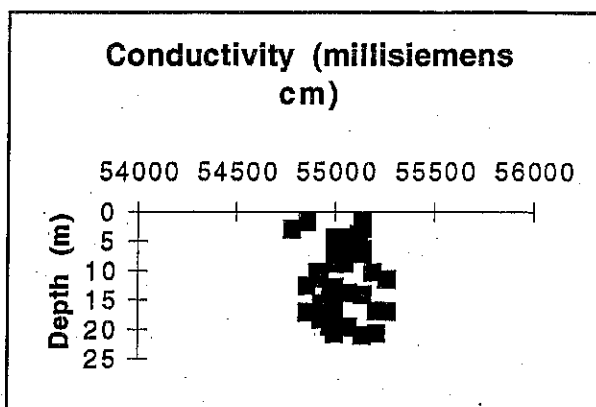
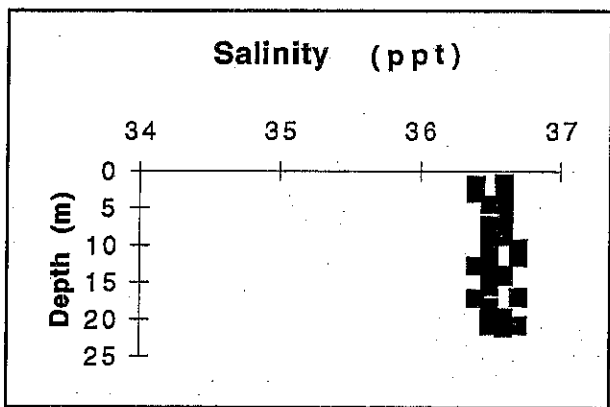
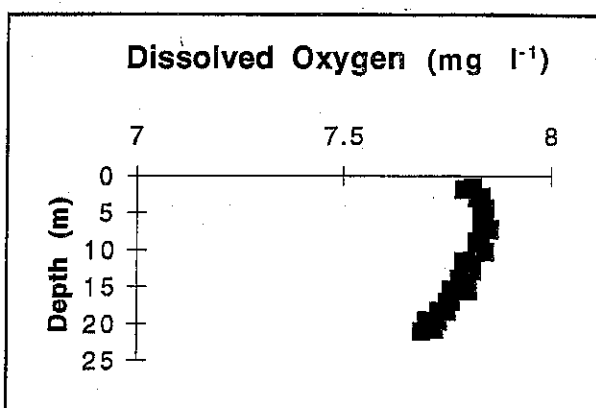
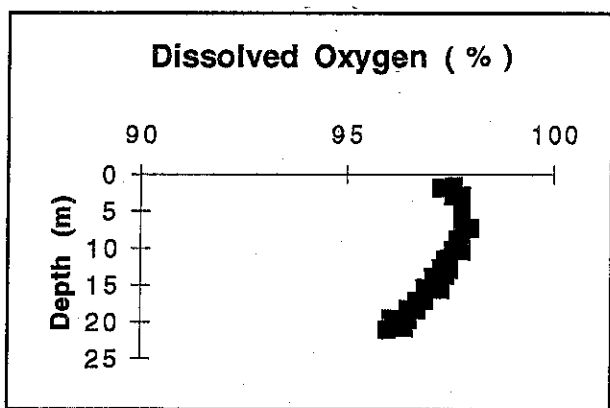
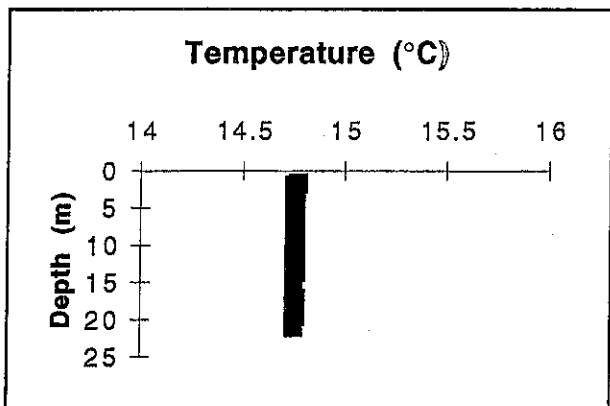
Survey 5 - 1st July 1997

Site 17 - 49 07.19 N 2 07.09 W - Zone C



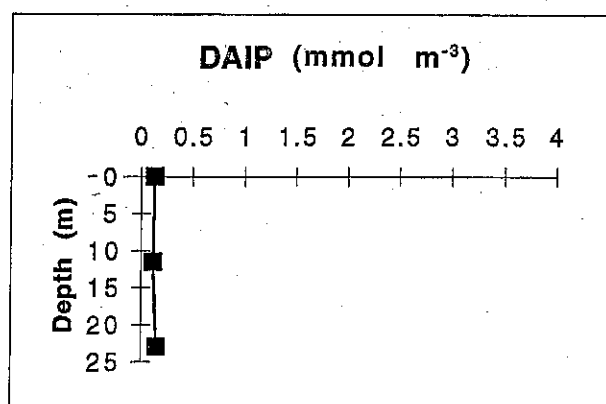
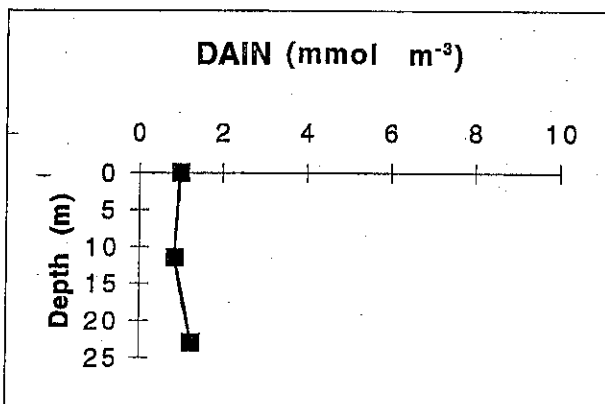
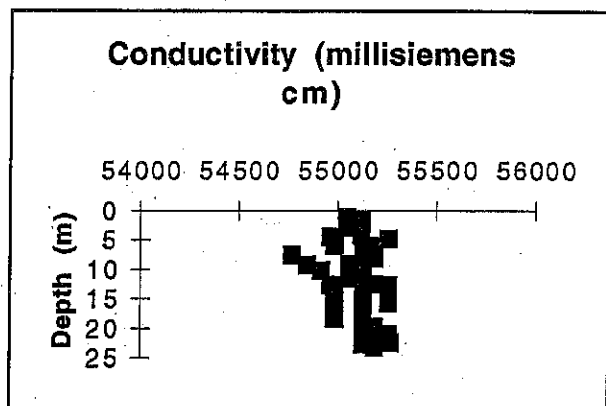
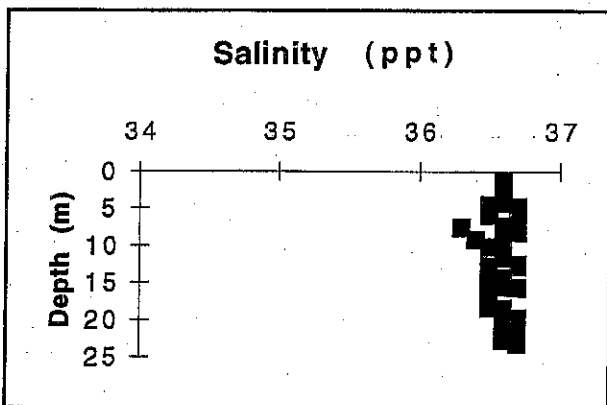
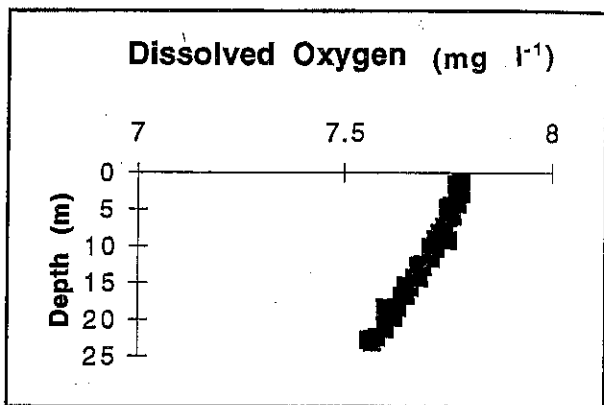
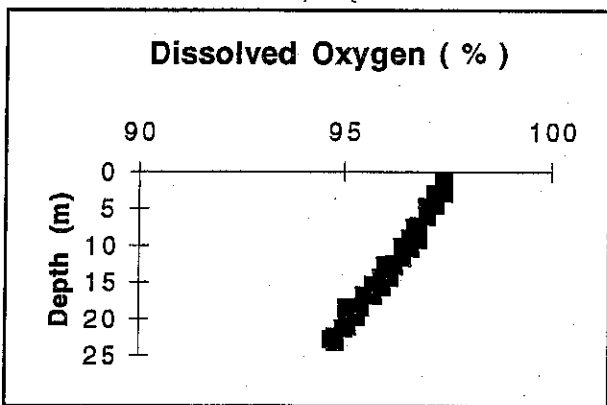
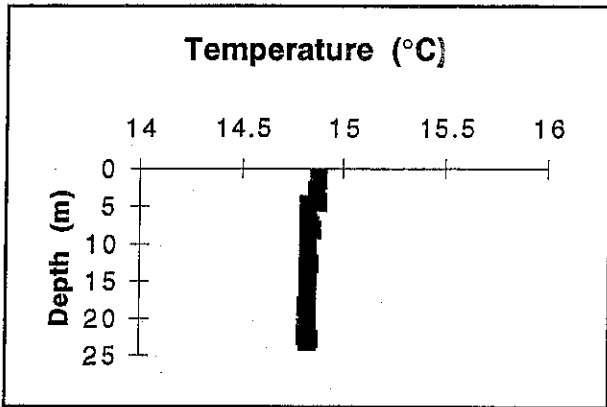
Survey 5 - 1st July 1997

Site 18 - 49 08.00 N 2 06.62 W - Zone C



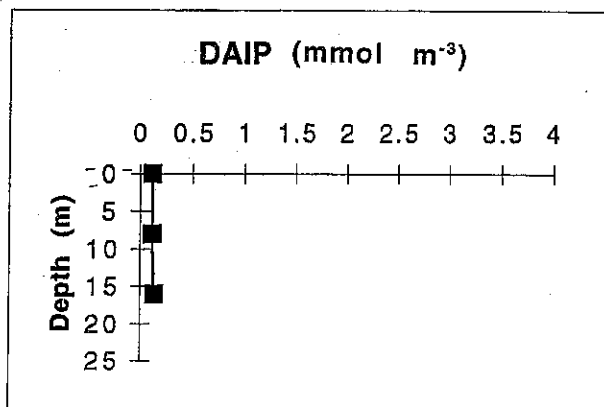
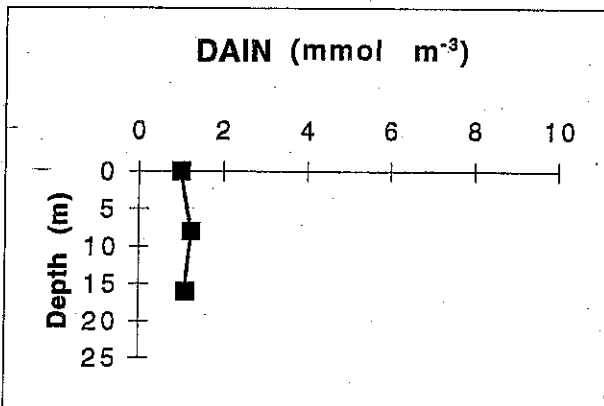
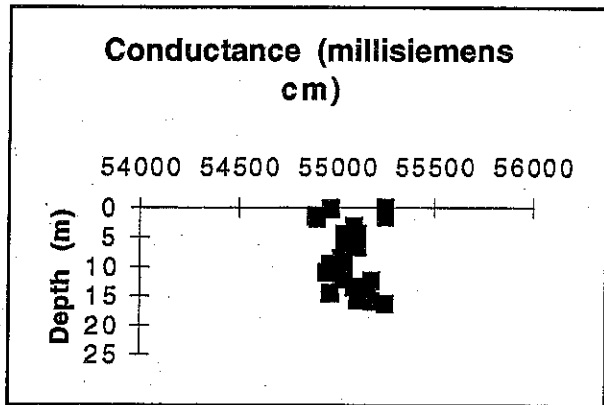
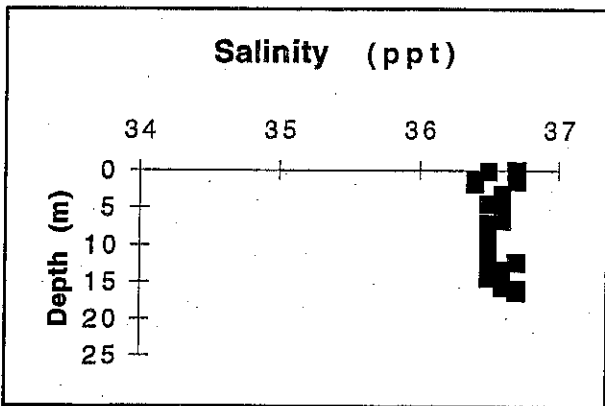
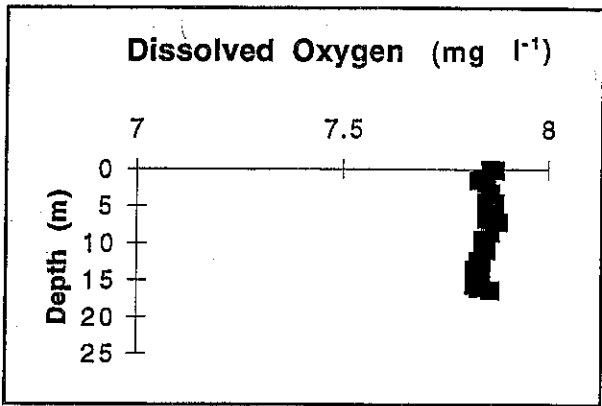
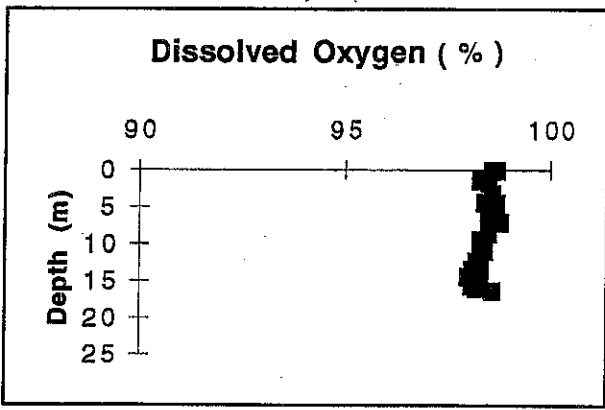
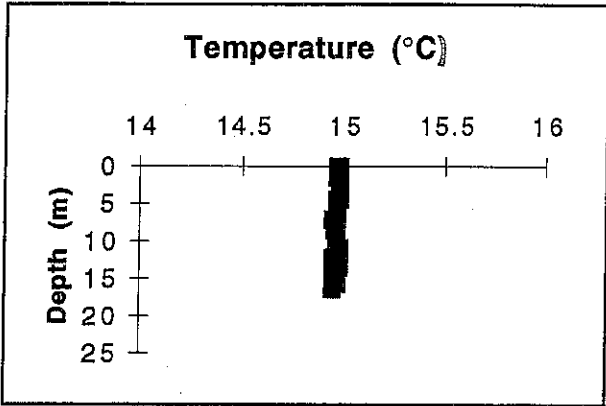
Survey 5 - 1st July 1997

Site 20 - 49 08.50 N 2 08.46 W - Zone C



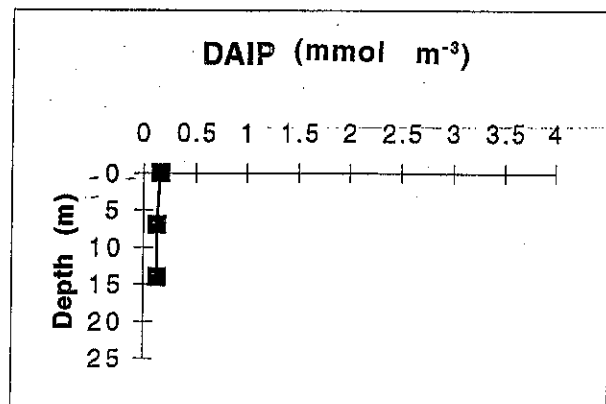
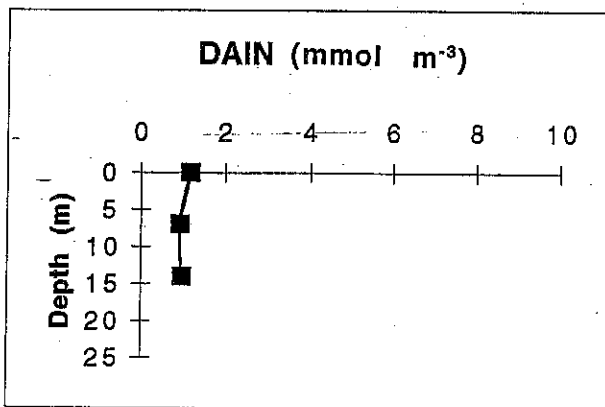
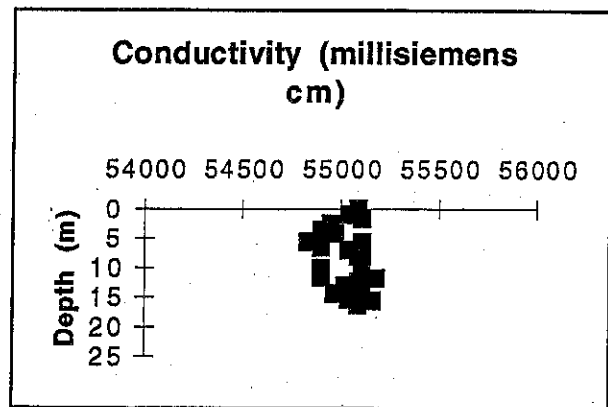
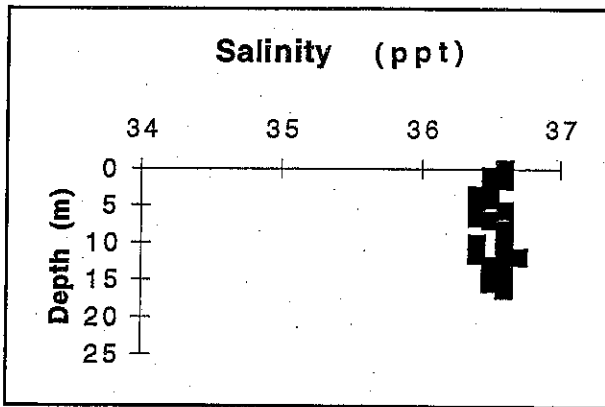
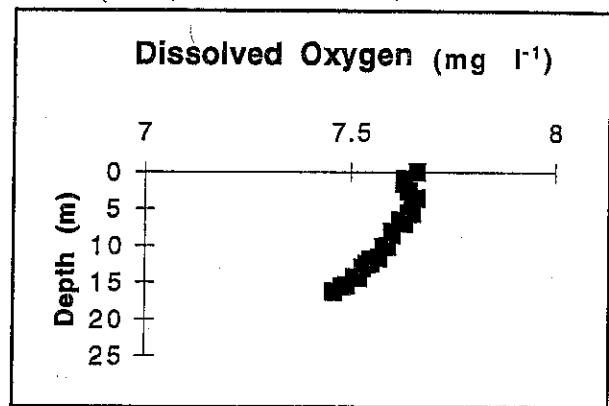
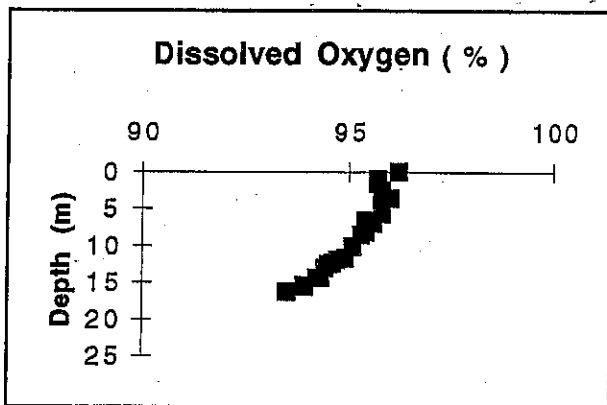
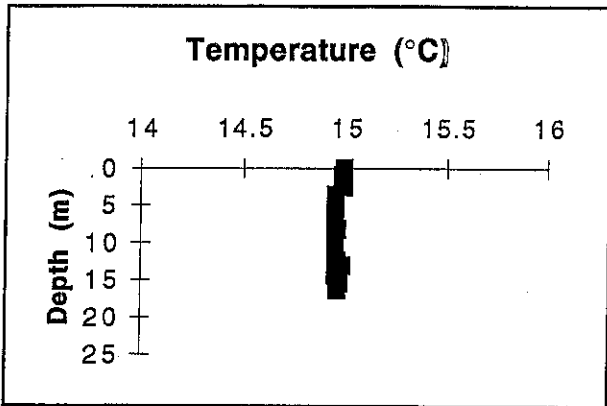
Survey 5 - 1st July 1997

Site 21 - 49 09.84 N 2 08.59 W - Zone B



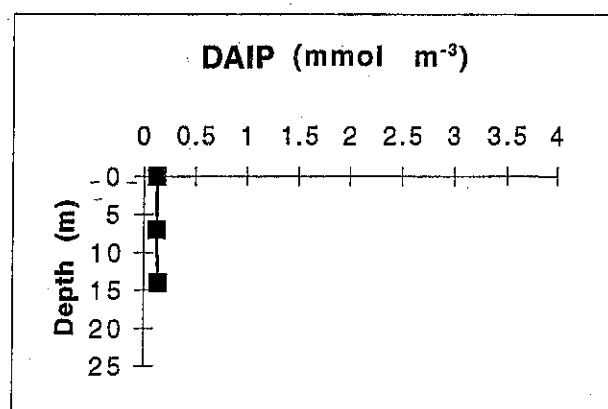
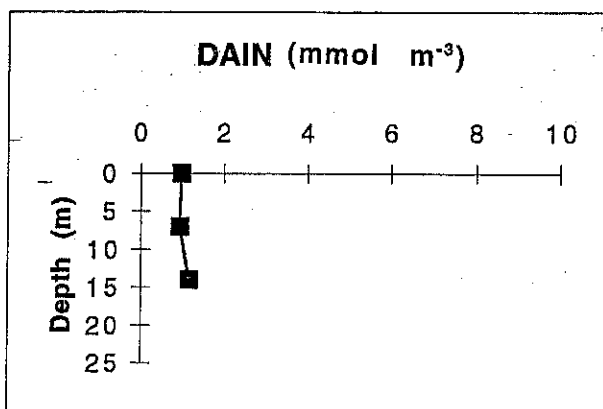
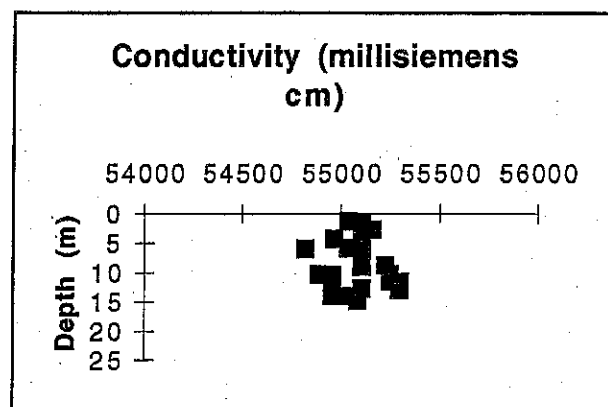
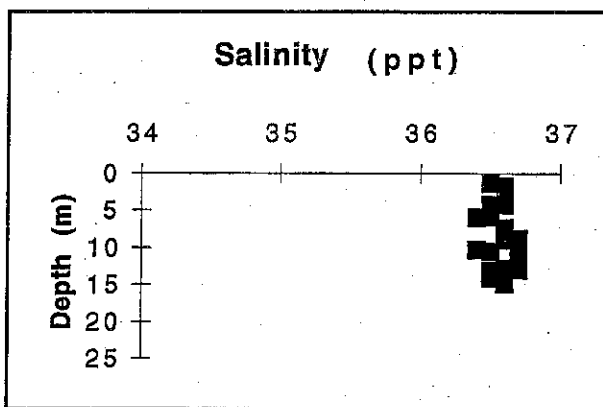
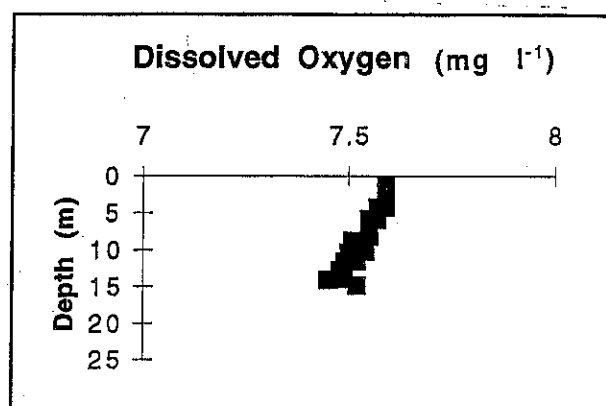
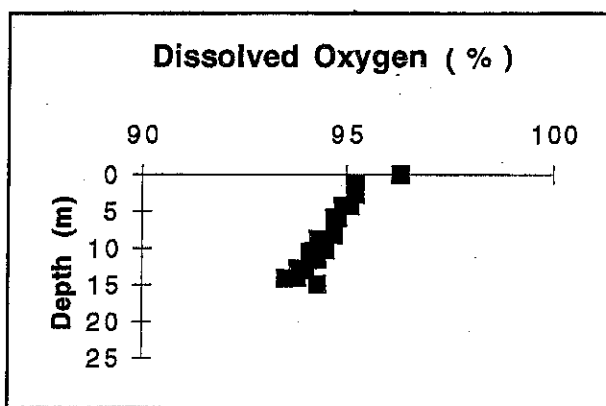
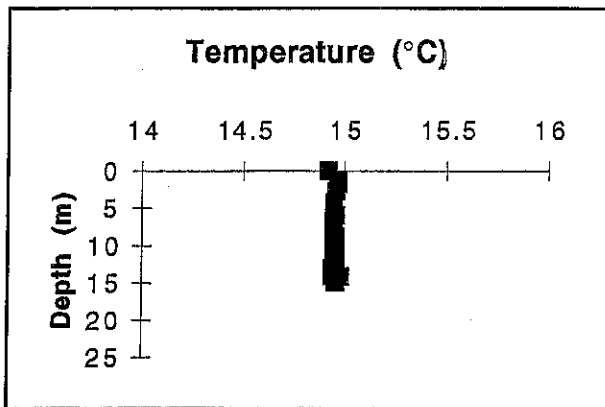
Survey 5 - 1st July 1997

Site 23 - 49 10.18 N 2 08.50 W - Zone B



Survey 5 - 1st July 1997

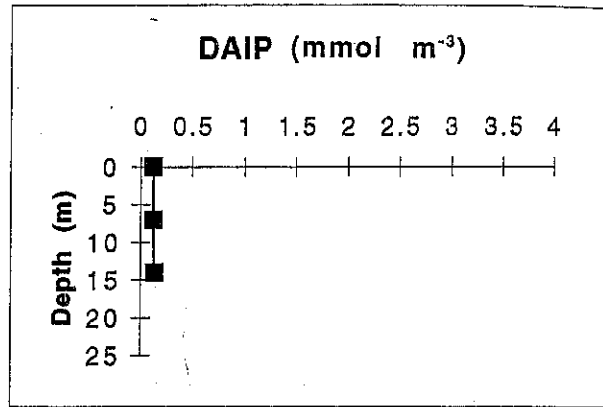
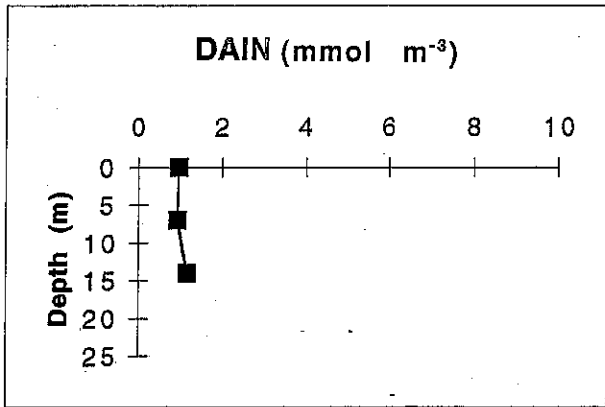
Site 25 - 49 10.48 N 2 08.15 W - Zone B



Survey 5 - 1st July 1997

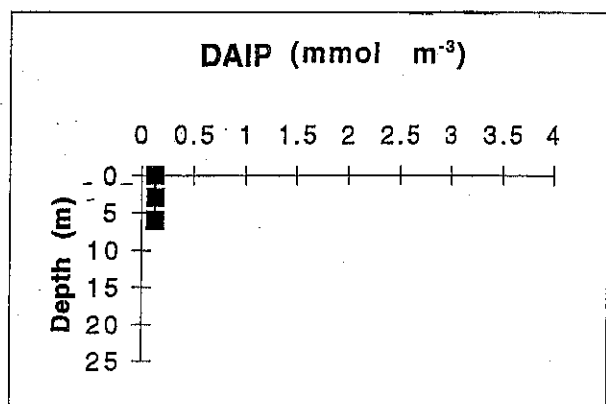
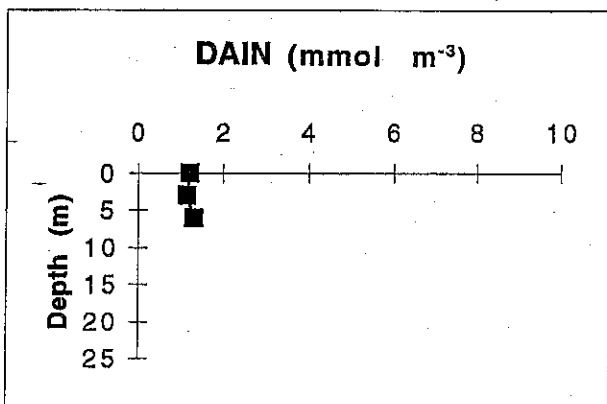
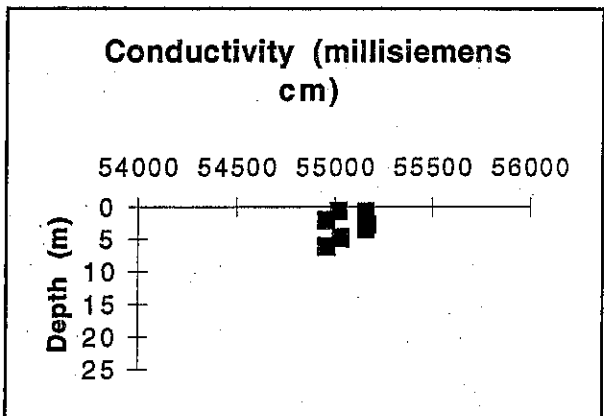
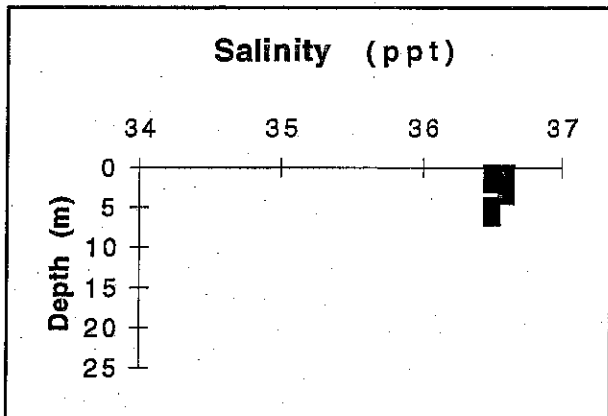
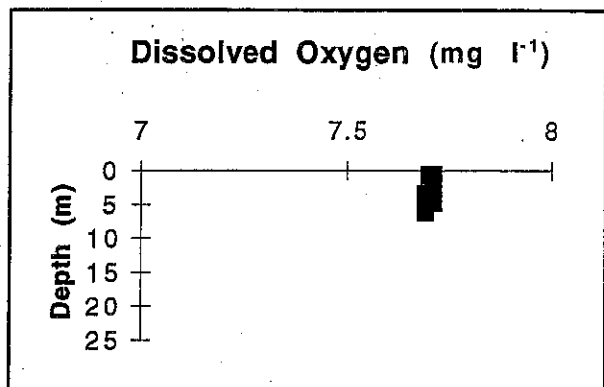
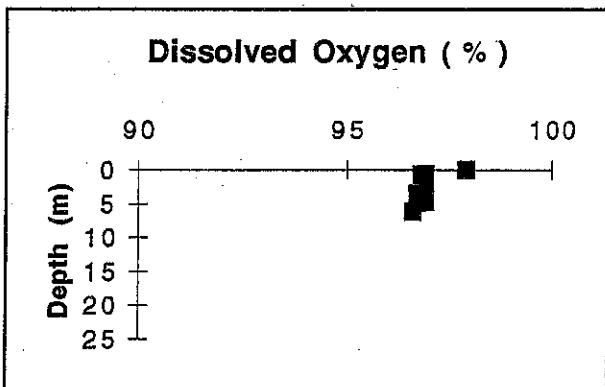
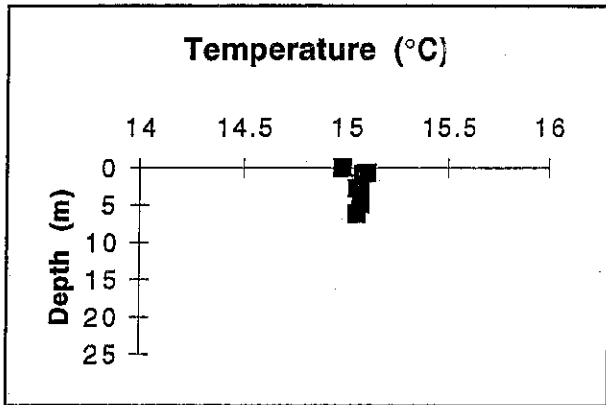
Site 27- 49 10.87 N 2 08.15 W - Zone B

Data from hydrolab corrupted - temperature, dissolved oxygen, salinity and conductivity not available



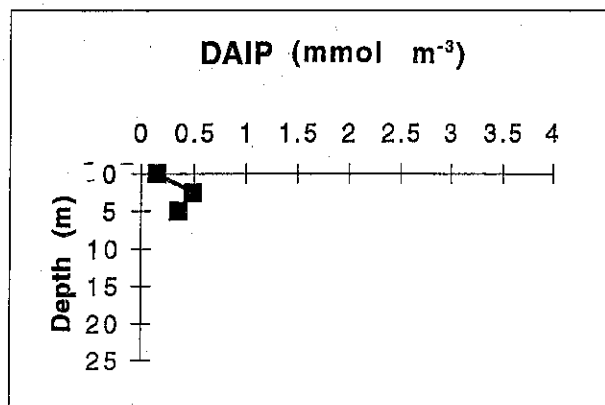
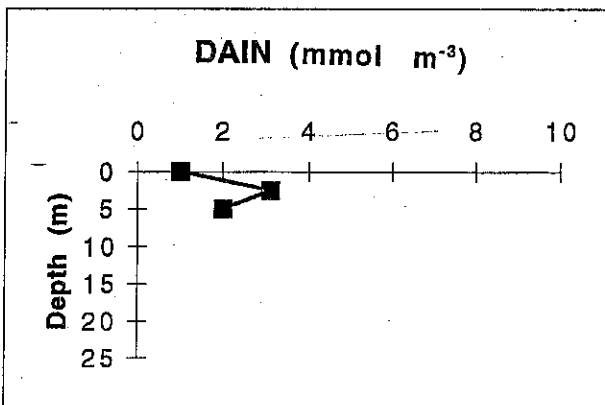
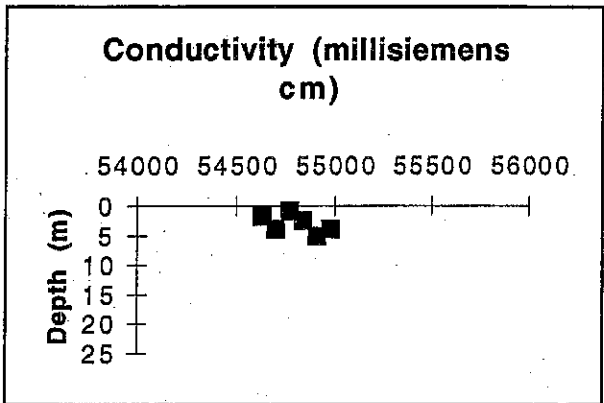
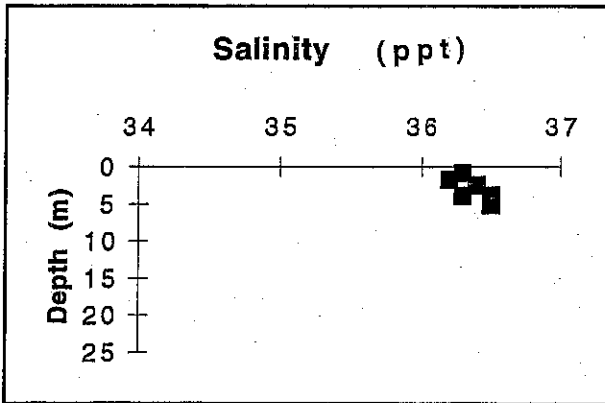
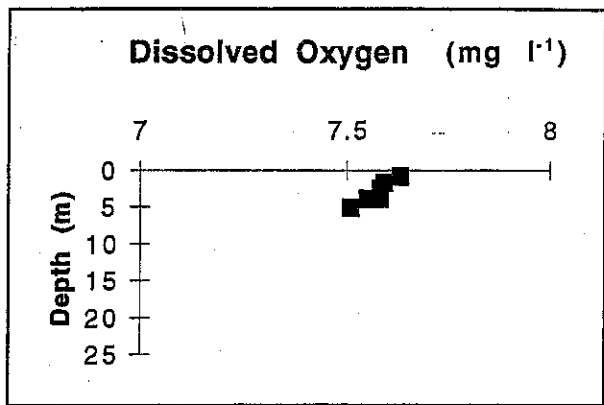
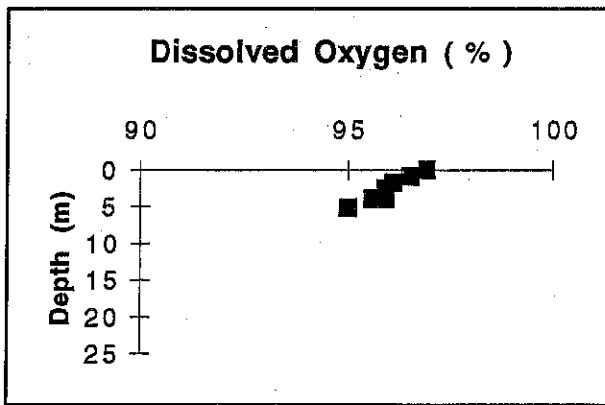
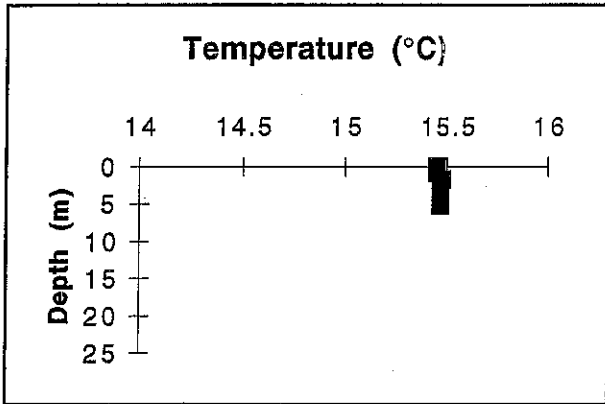
Survey 5 - 1st July 1997

Site 29 - 49 11.25 N 2 07.97 W - Zone B



Survey 5 - 1st July 1997

Site 30 - 49 11.48 N 2 07.94 W - Zone B

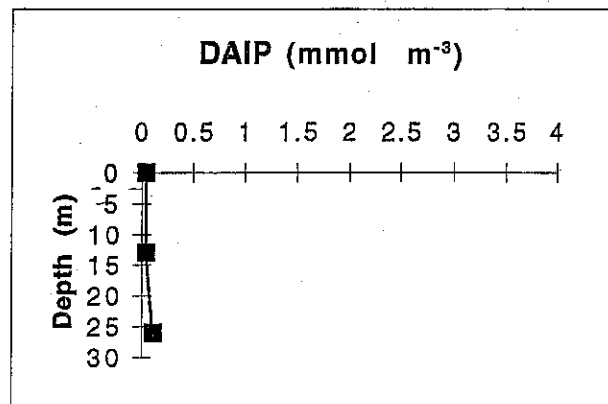
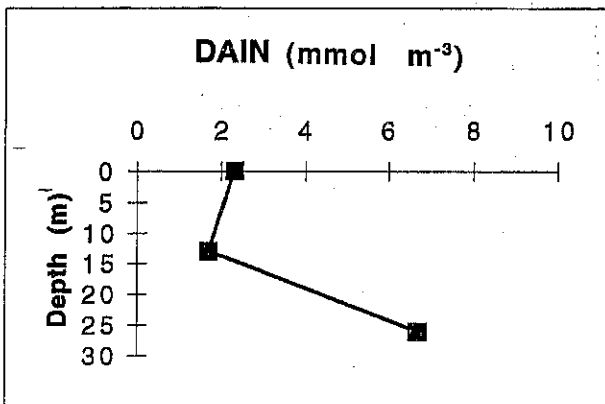
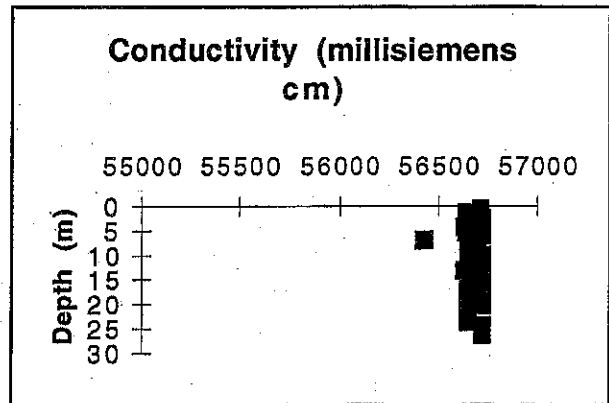
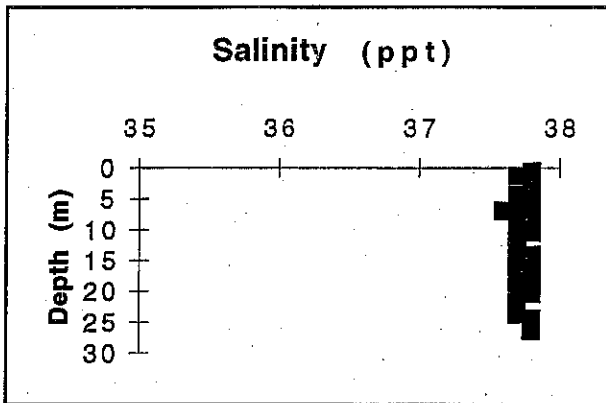
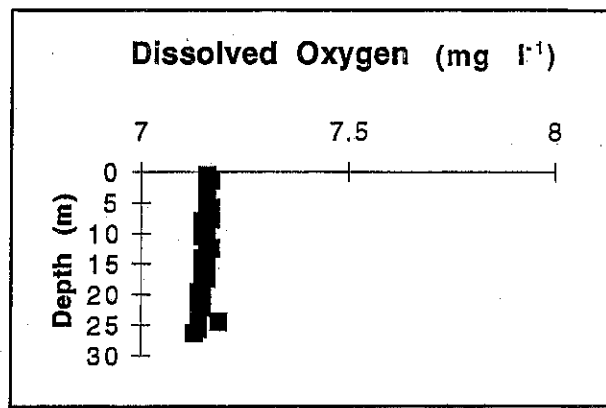
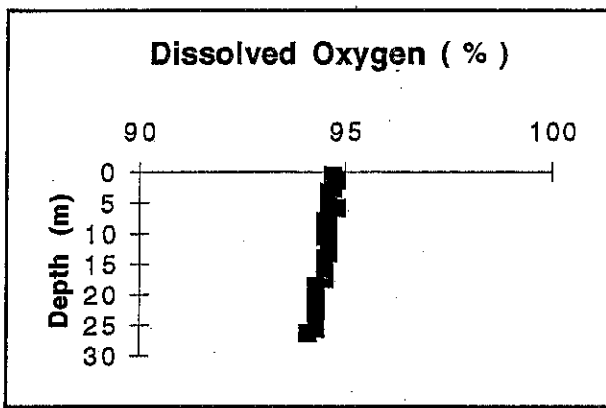
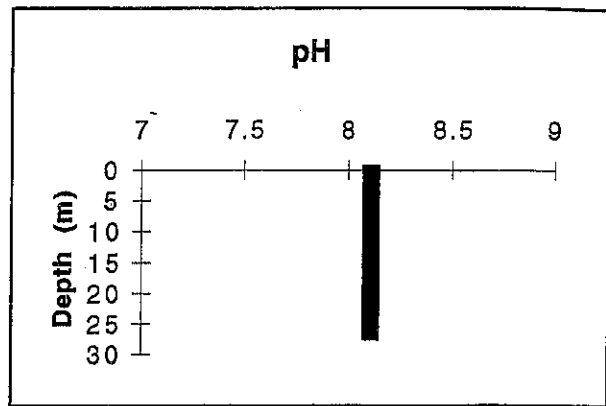
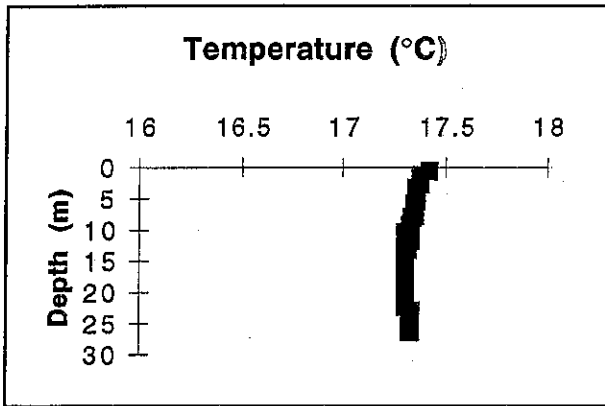


Survey 6 - 29th July 1997

Site No.	Zone	Latitude	Longitude	Time	Depth metres	Chlorophyll a mg/m ³	Dis. reactive silicon mmol/m ³ Si	Nitrite nitrogen mmol/m ³ N	Nitrate nitrogen mmol/m ³ N	Total oxidised nitrogen mmol/m ³ N	Ammoniacal nitrogen mmol/m ³ N	DAIN mmol/m ³ N	DAJP mmol/m ³ P
8	C	49 06.00 N	2 08.00 W	10:35	0.00	1.38	1.51	0.04	1.30	1.33	0.97	2.31	0.04
					11.00	1.43	1.45	0.04	0.90	0.94	0.77	1.71	0.05
					22.00	1.07	1.60	0.06	1.51	1.57	5.11	6.68	0.11
17	C	49 07.00 N	2 08.00 W	12:05	0.00	0.89	1.56	0.04	1.10	1.14	0.36	1.50	0.04
					11.00	1.16	1.53	0.05	0.65	0.70	0.46	1.16	0.06
					22.00	1.20	1.55	0.05	1.22	1.27	0.94	2.21	0.02
18	C	49 08.00 N	2 08.00 W	12:23	0.00	1.07	1.50	0.05	4.33	4.38	0.44	4.82	0.11
					10.50	0.98	1.53	0.04	0.86	0.89	0.41	1.31	0.04
					21.00	0.89	1.56	0.06	1.17	1.23	1.36	2.58	0.07
20	C	49 06.30 N	2 06.30 W	12:50	0.00	1.03	1.59	0.04	1.41	1.44	0.74	2.18	0.07
					11.50	1.20	1.58	0.04	0.65	0.69	0.42	1.11	0.04
					23.00	1.34	1.78	0.07	0.46	0.53	0.73	1.26	0.02
21	B	49 10.00 N	2 08.12 W	13:08	0.00	1.07	1.62	0.04	1.06	1.10	0.52	1.62	0.04
					8.00	1.07	1.67	0.04	0.86	0.89	0.65	1.54	0.11
					16.00	1.03	1.59	0.04	0.92	0.96	0.78	1.73	0.02
23	B	49 10.18 N	2 08.52 W	13:20	0.00	0.98	1.61	0.04	0.83	0.86	0.41	1.27	0.04
					7.00	0.80	1.64	0.04	1.10	1.14	0.40	1.53	0.04
					14.00	1.16	1.64	0.04	0.67	0.71	0.79	1.50	0.07
25	B	49 10.53 N	2 08.31 W	13:30	0.00	0.71	1.61	0.04	0.94	0.97	0.68	1.65	0.05
					7.50	0.80	1.67	0.04	1.04	1.07	0.41	1.48	0.07
					15.00	0.89	1.68	0.04	0.73	0.76	1.08	1.84	0.06
27	B	49 11.07 N	2 07.90 W	13:45	0.00	1.12	1.73	0.04	0.88	0.91	0.73	1.64	0.07
					7.00	0.98	1.77	0.04	1.20	1.24	0.38	1.61	0.06
					14.00	0.94	1.71	0.04	1.14	1.17	0.77	1.94	0.10
29	A	49 11.54 N	2 07.54 W	13:55	0.00	1.12	17.19	2.71	121.87	124.58	10.06	134.63	21.76
					3.00	1.38	2.00	0.14	1.96	1.50	0.91	2.41	0.97
					6.00	1.34	1.91	0.04	0.56	0.60	0.83	1.43	0.81

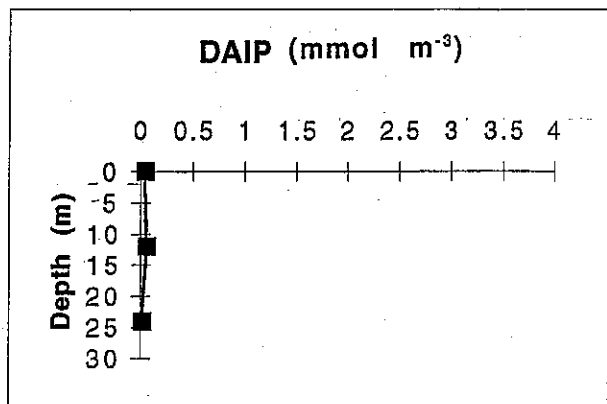
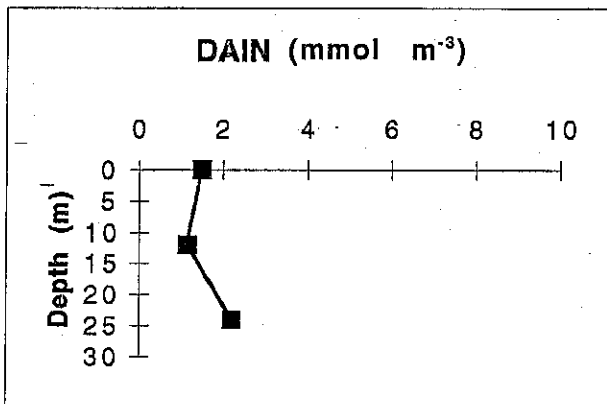
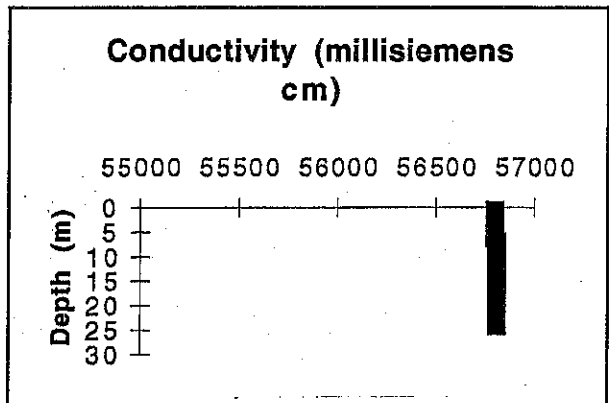
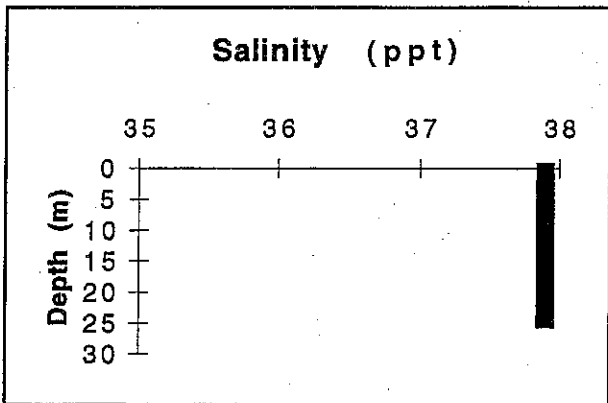
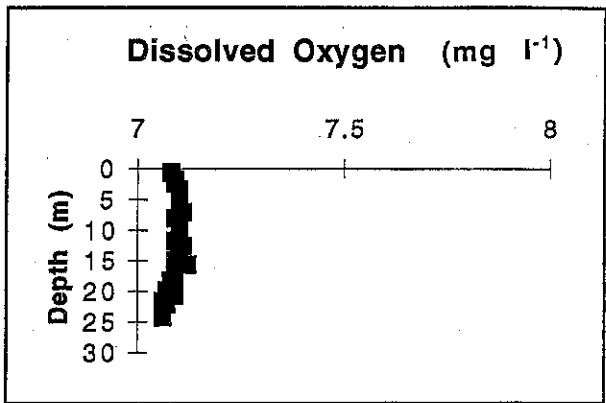
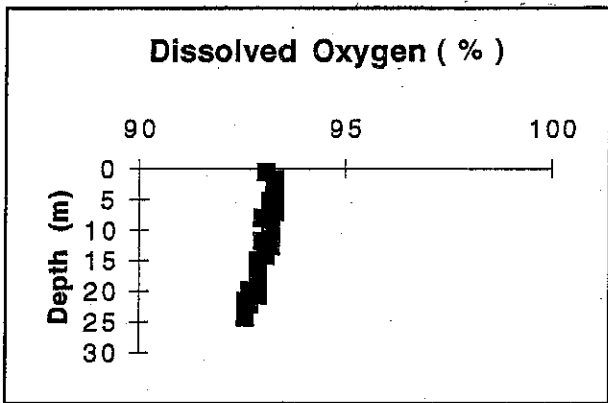
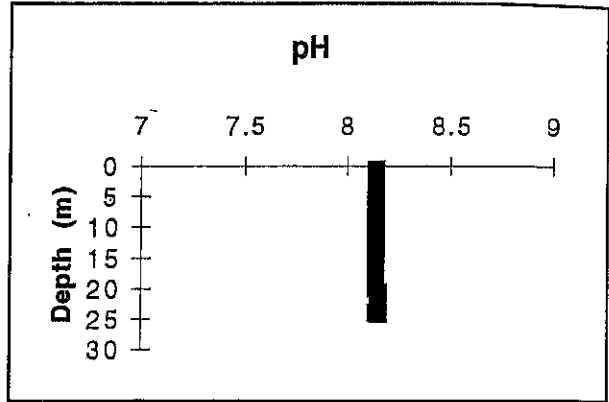
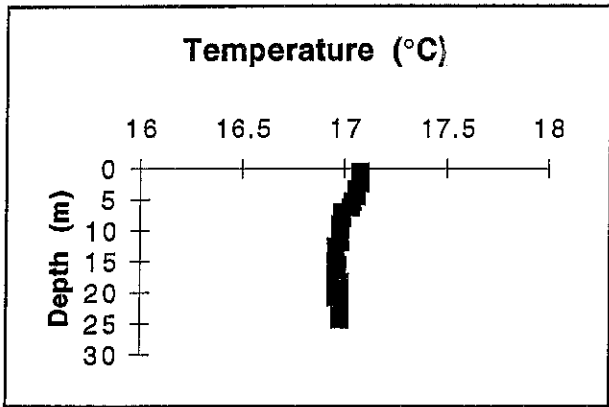
Survey 6 - 29th July 1997

Site 8 - 49 06.00 N 2 08.00 W - Zone C



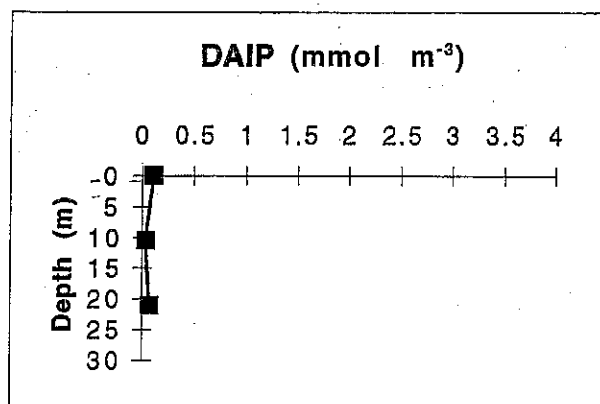
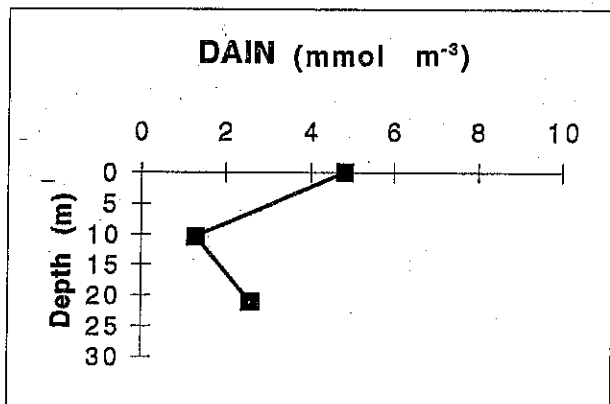
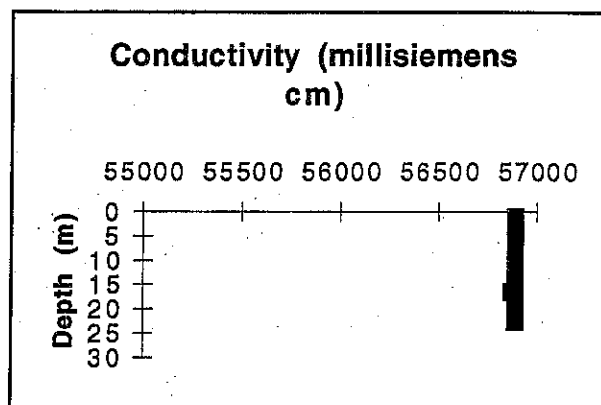
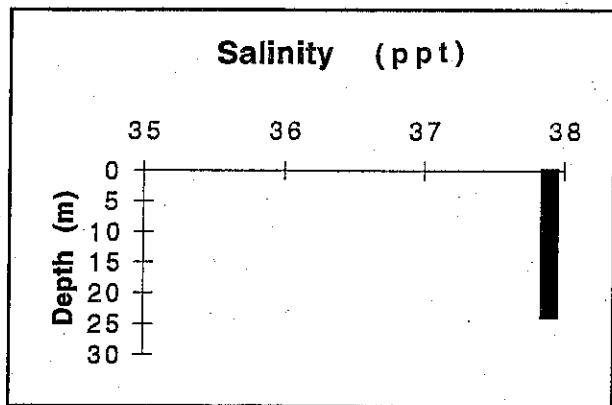
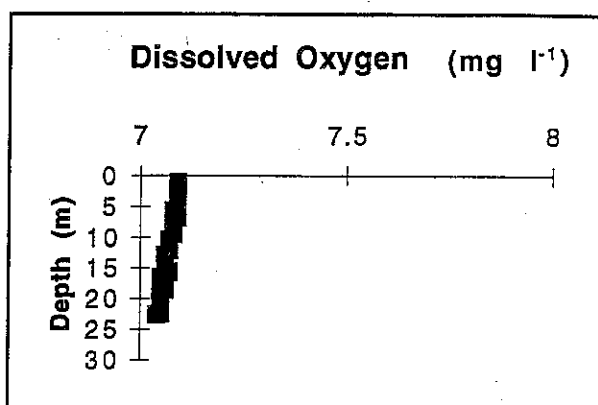
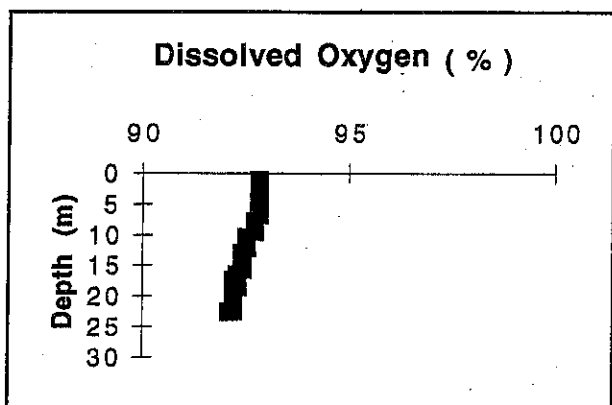
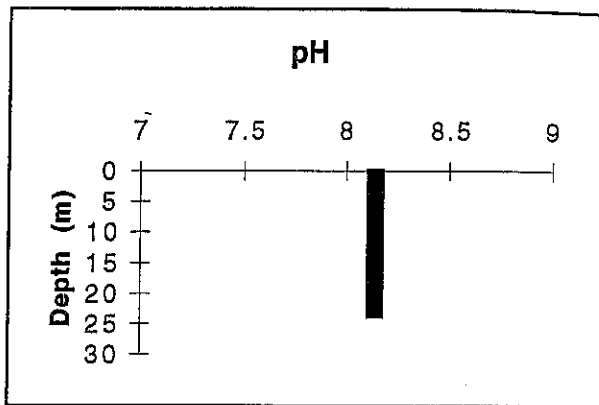
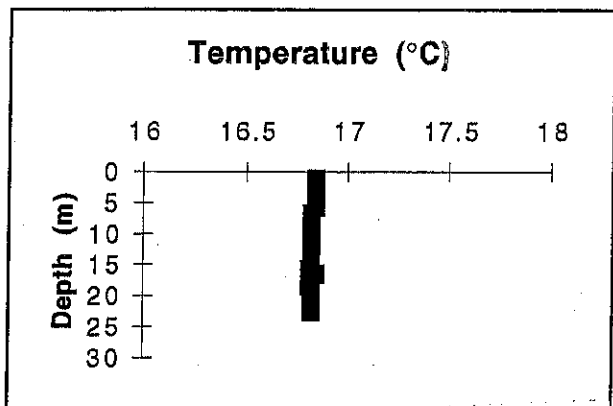
Survey 6 - 29th July 1997

Site 17- 49 07.00 N 2 08.00 W - Zone C



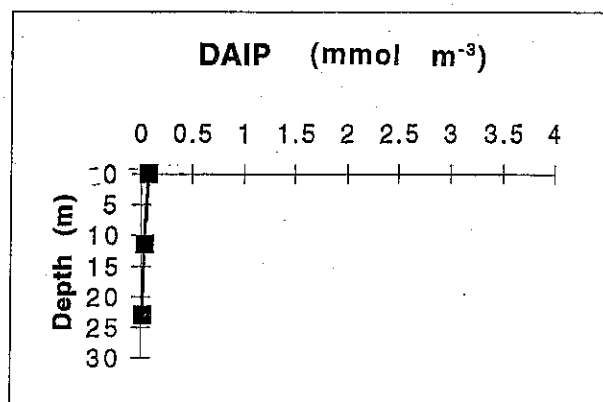
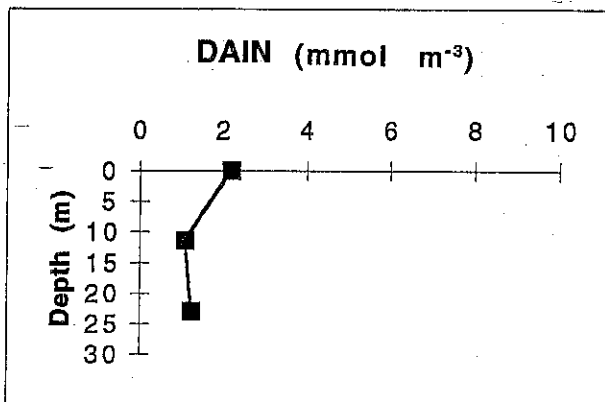
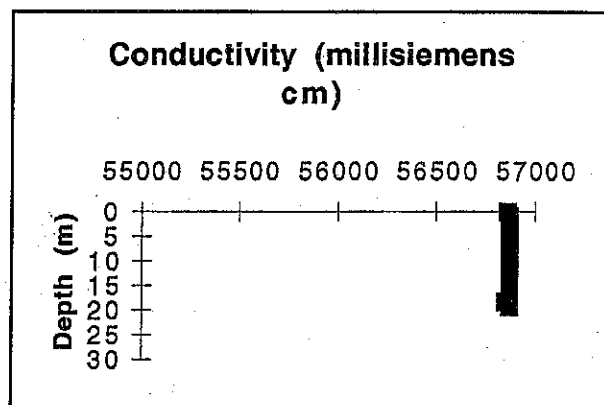
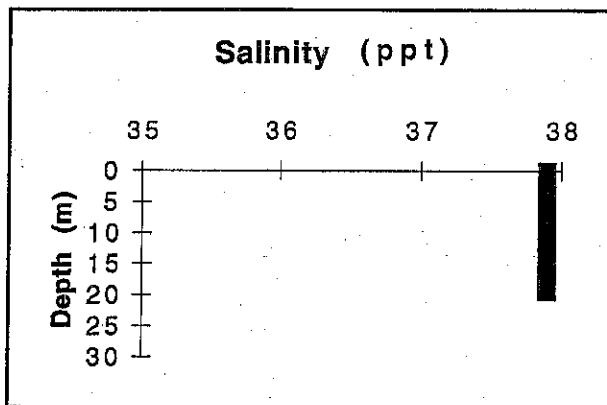
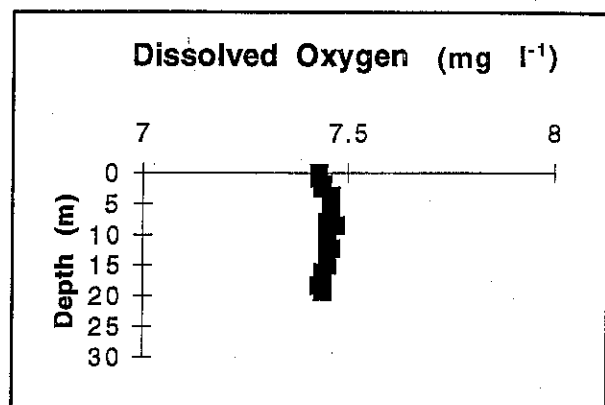
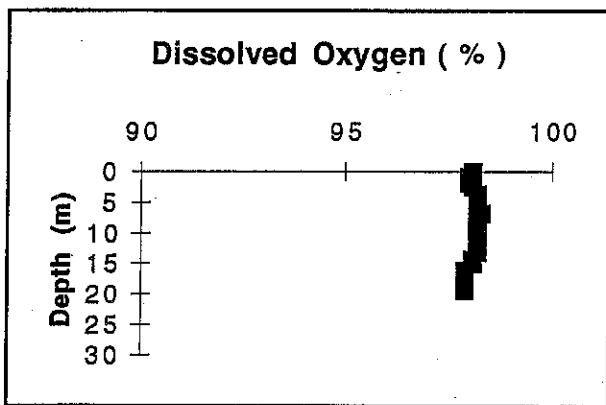
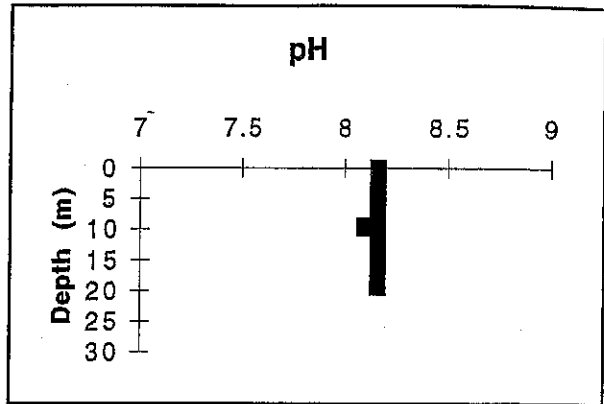
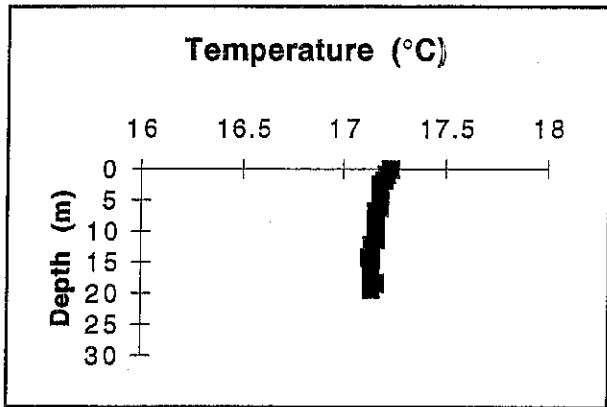
Survey 6 - 29th July 1997

Site 18 - 49 08.00 N 2 08.00 W - Zone C



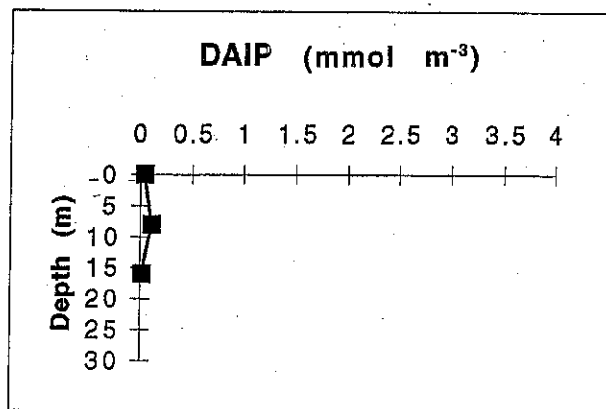
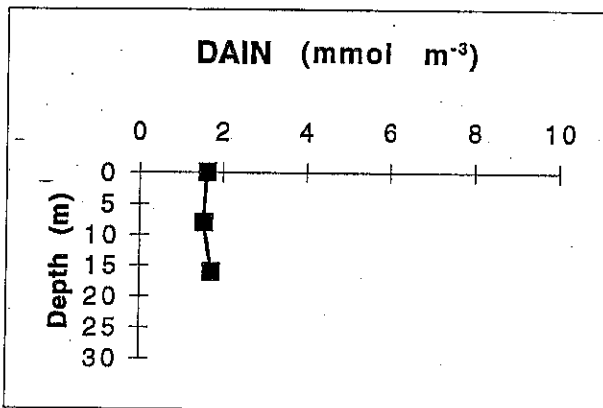
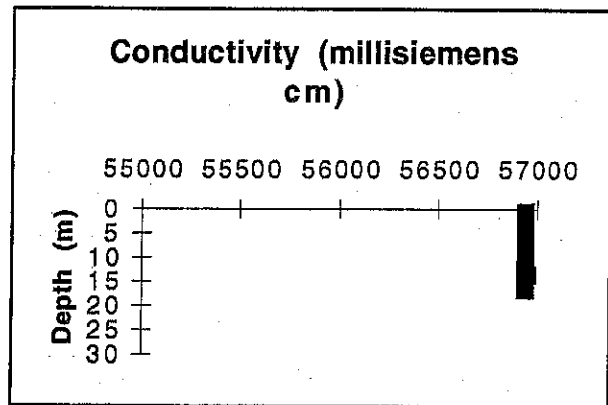
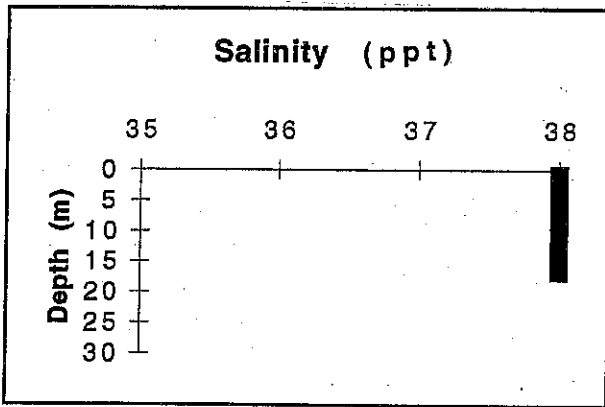
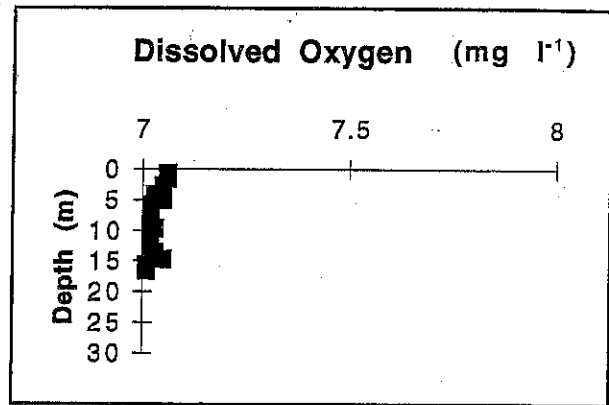
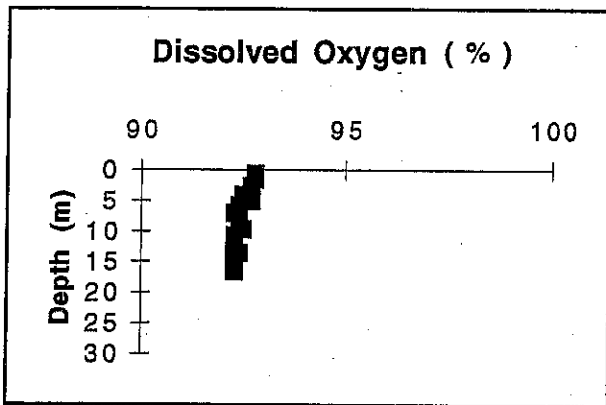
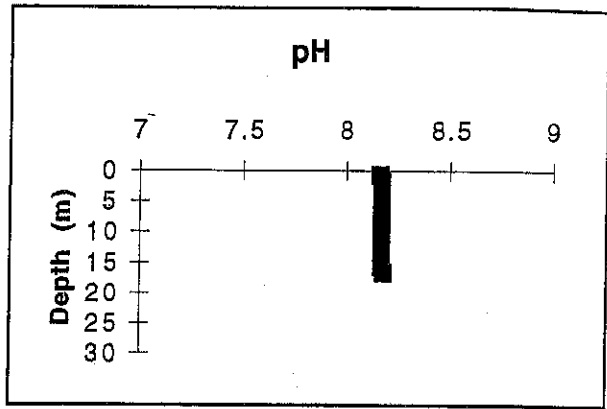
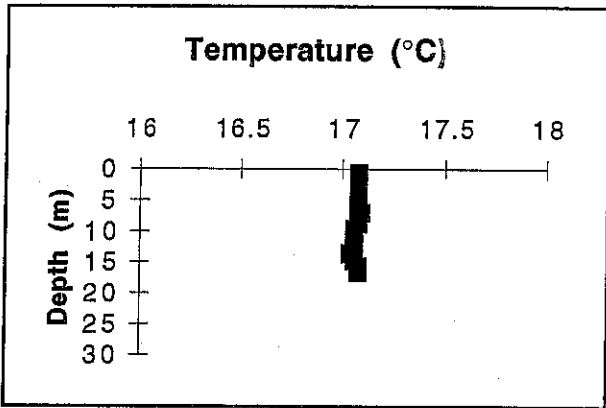
Survey 6 - 29th July 1997

Site 20 - 49 06.30 N 2 06.30 W - Zone C



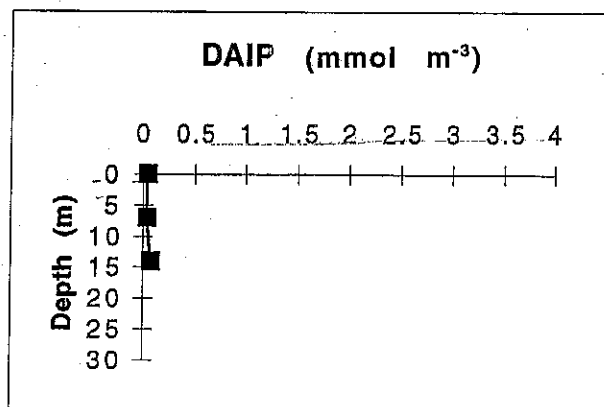
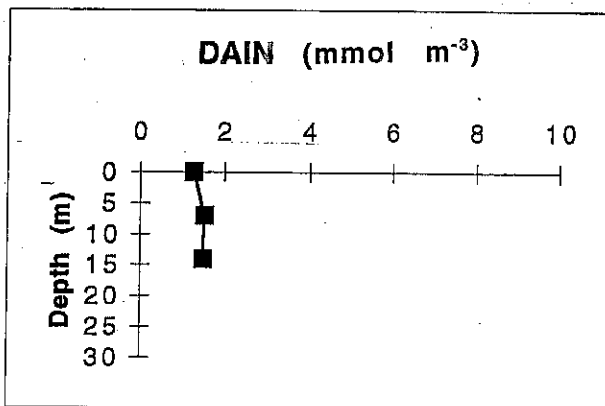
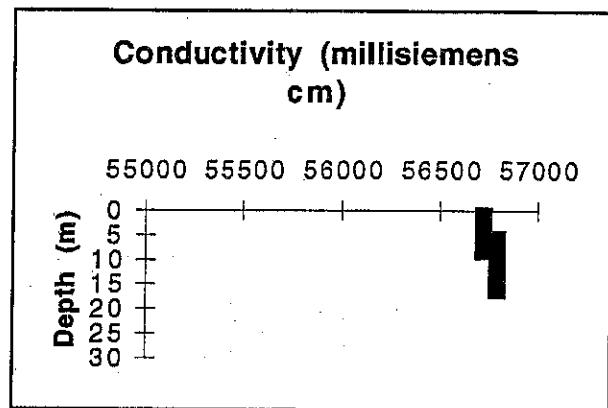
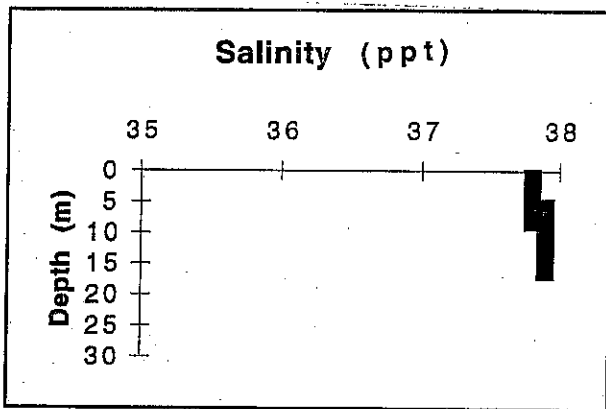
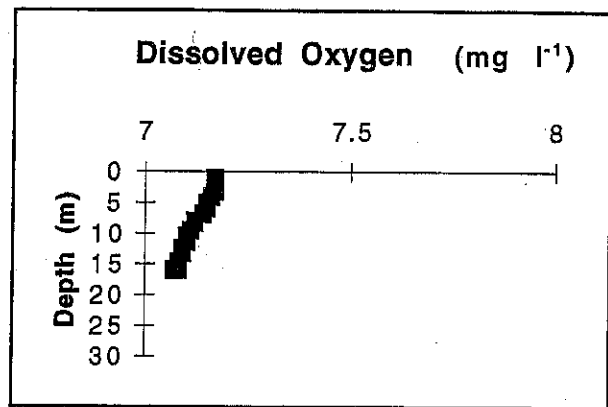
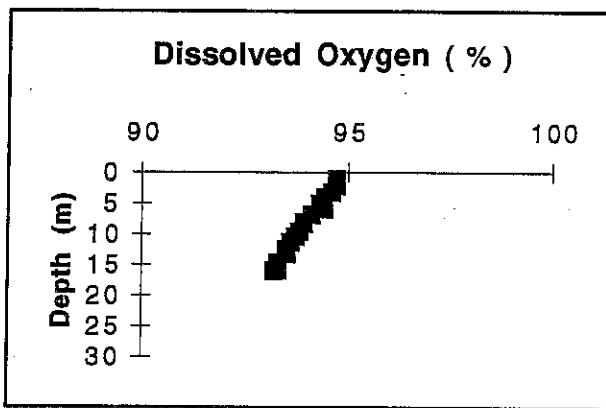
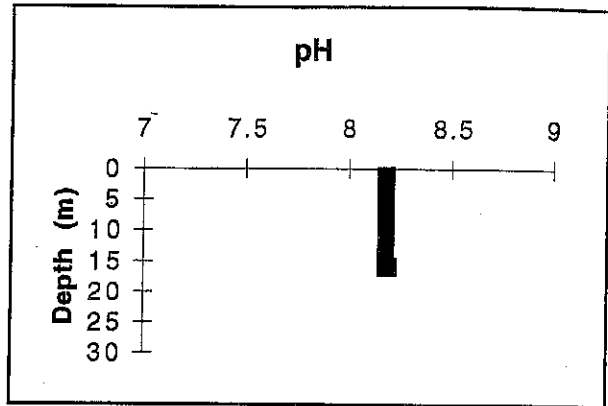
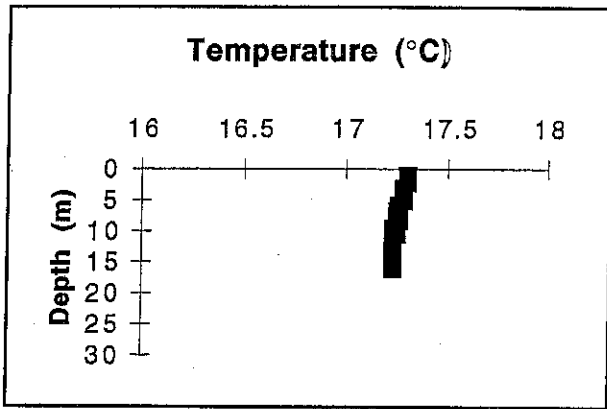
Survey 6 - 29th July 1997

Site 21 - 49 10.00 N 2 08.12 W - Zone B



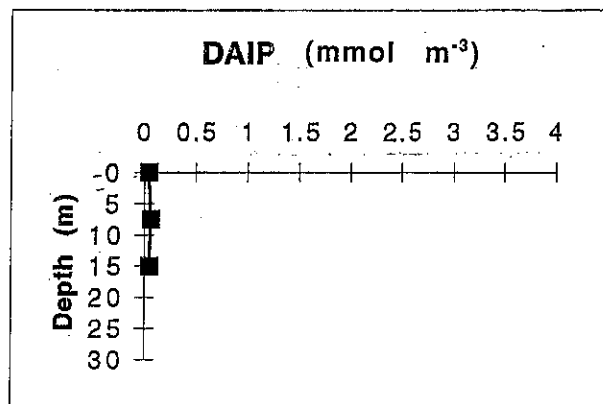
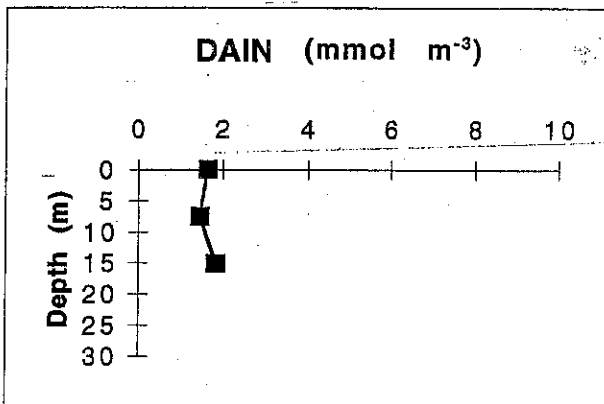
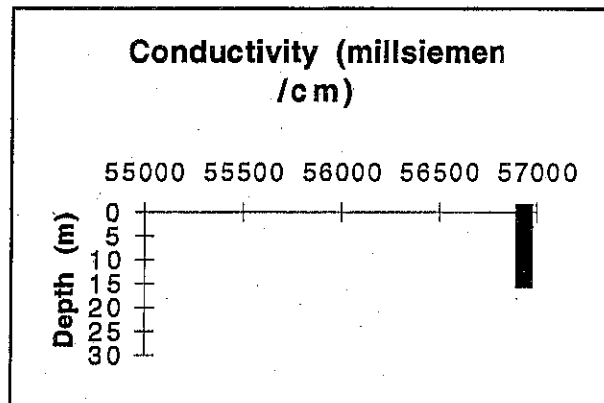
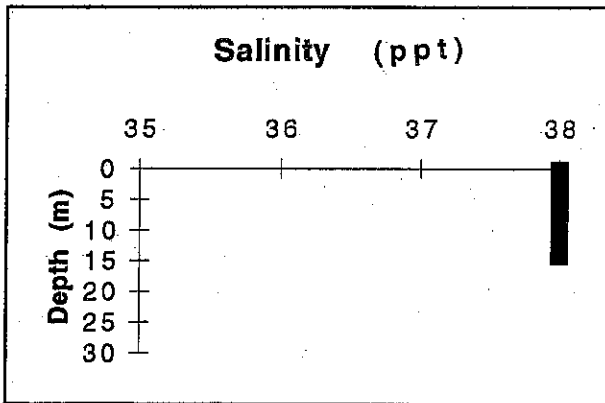
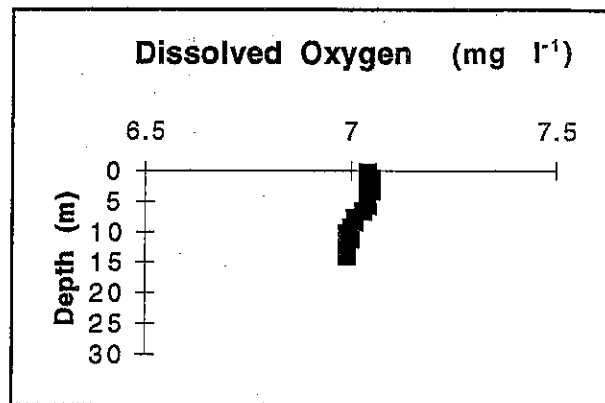
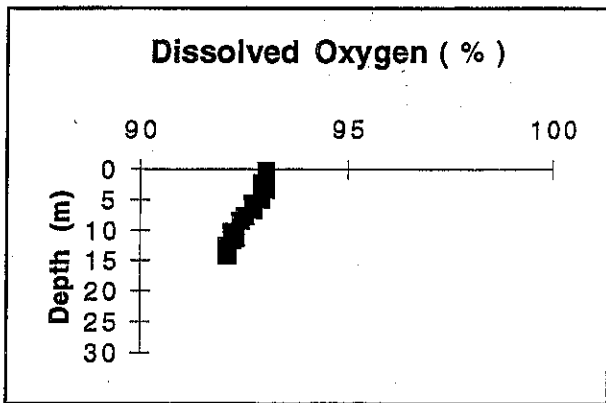
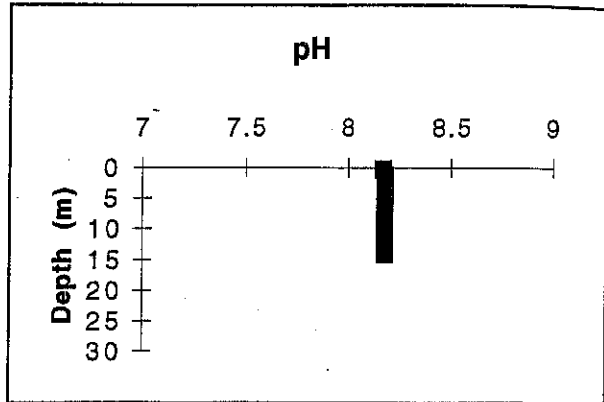
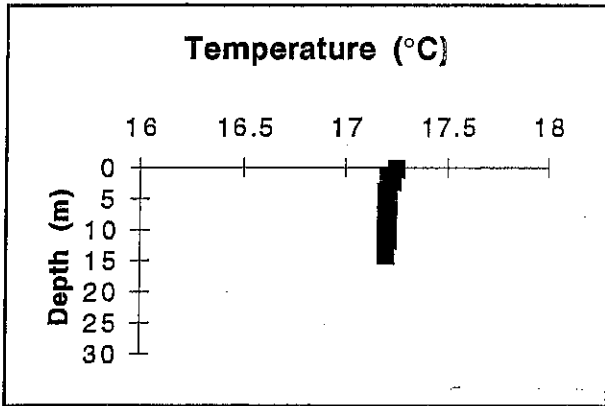
Survey 6 - 29th July 1997

Site 23 - 49 10.18 N 2 08.52 W - Zone B



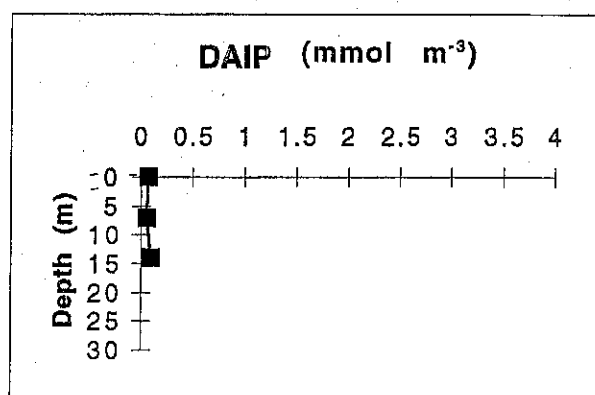
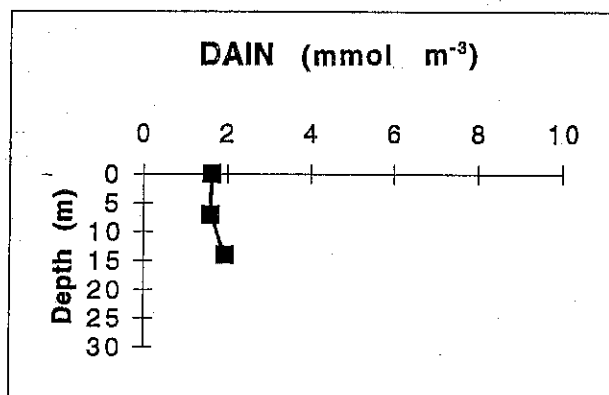
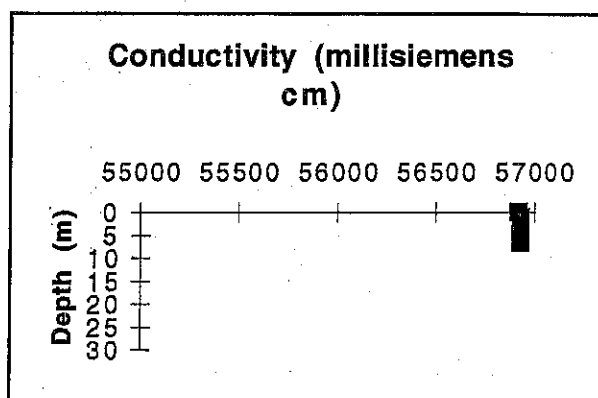
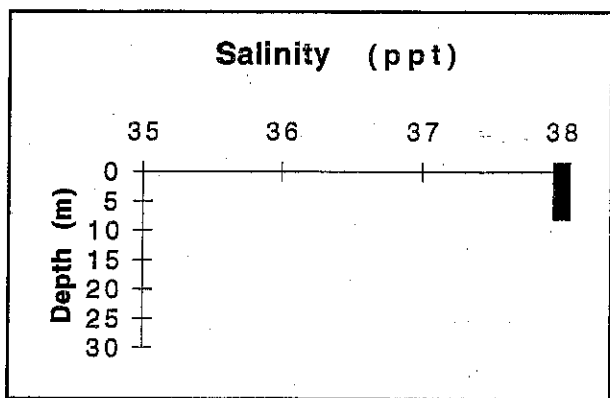
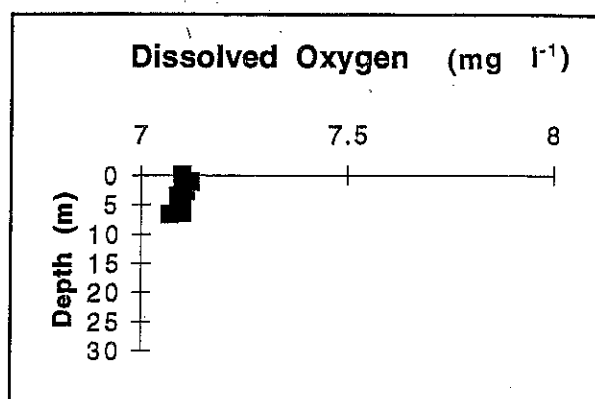
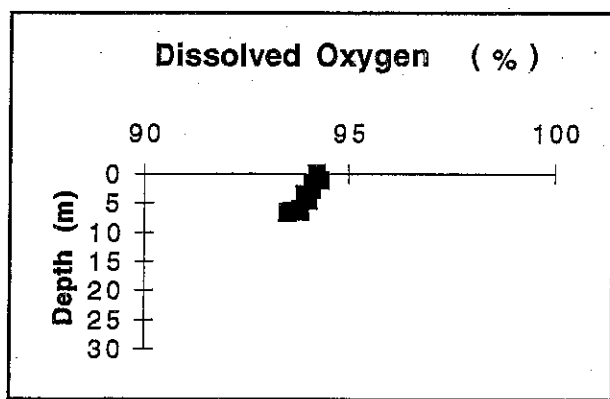
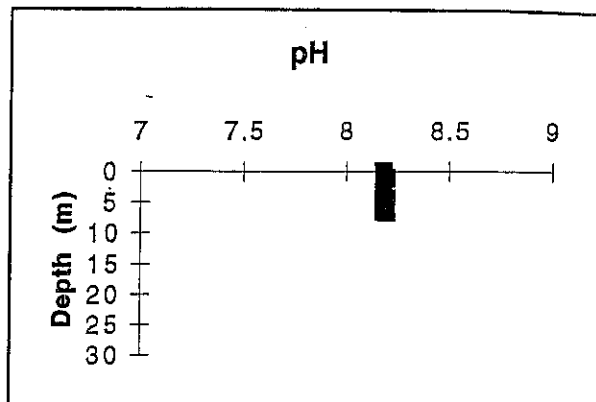
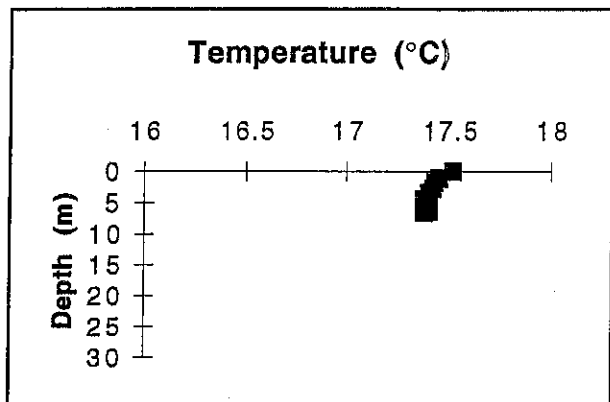
Survey 6 - 29th July 1997

Site 25 - 49 10.53 N 2 08.31 W - Zone B



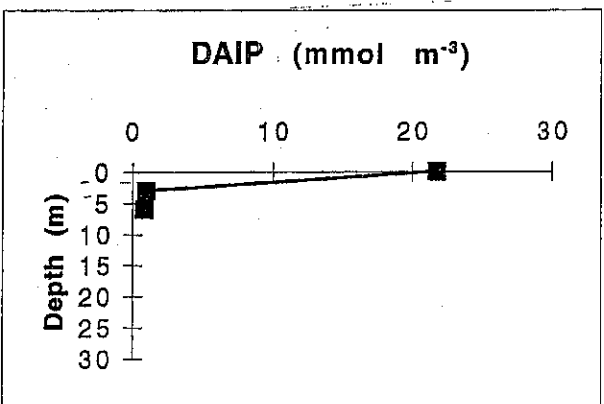
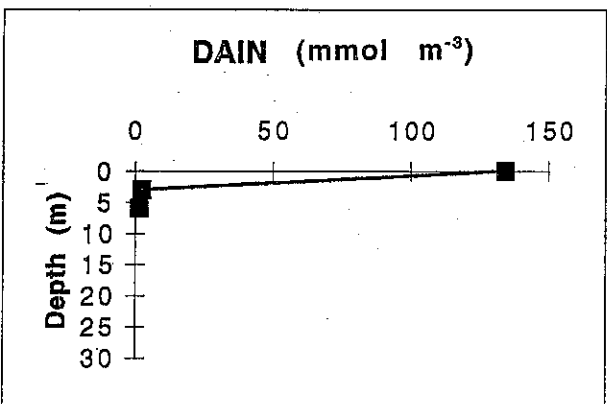
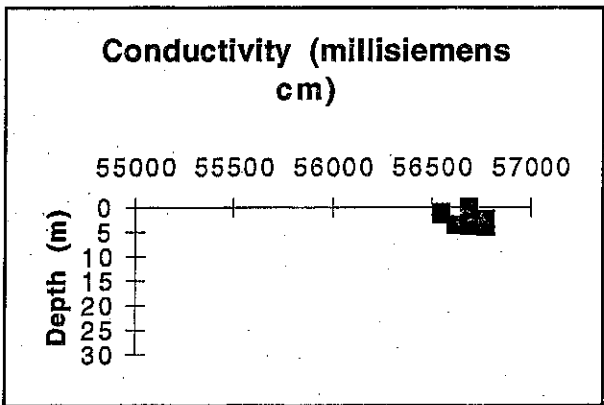
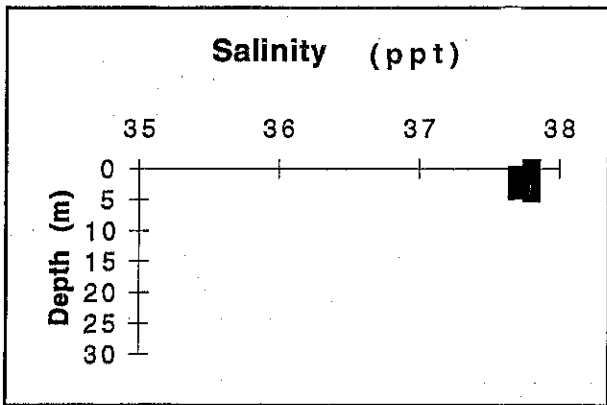
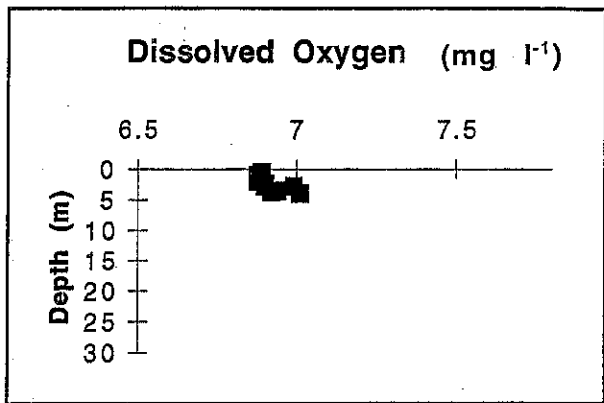
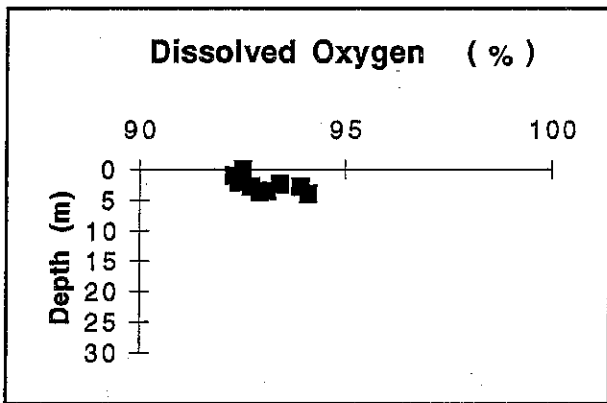
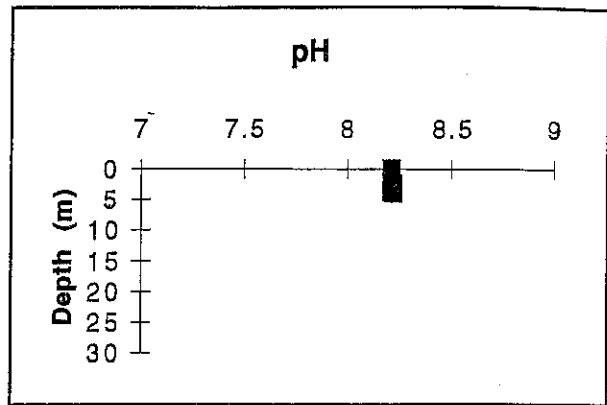
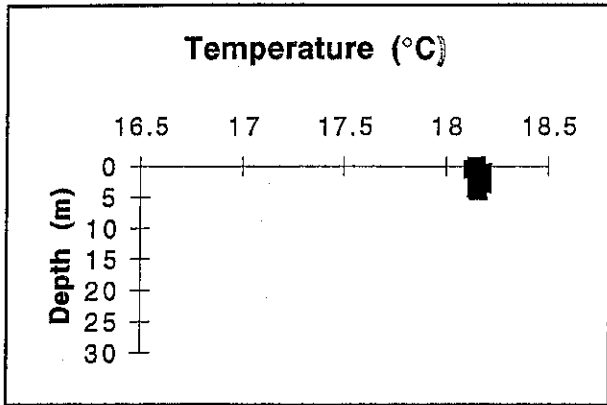
Survey 6 - 29th July 1997

Site 27 - 49 11.07 N 2 07.90 W - Zone B



Survey 6 - 29th July 1997

Site 29 - 49 11.54 N 2 07.54 W - Zone A

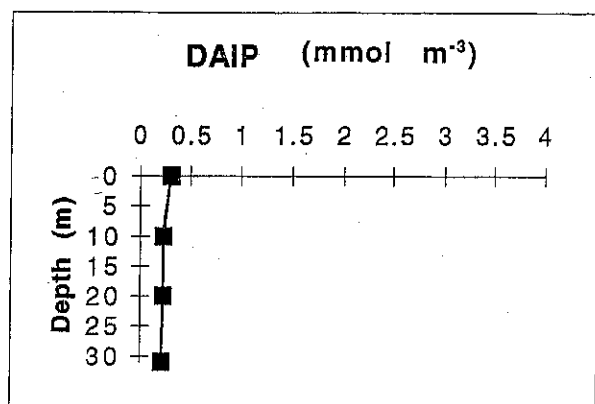
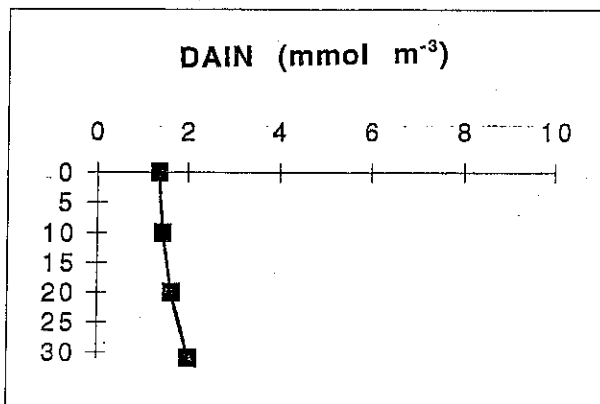
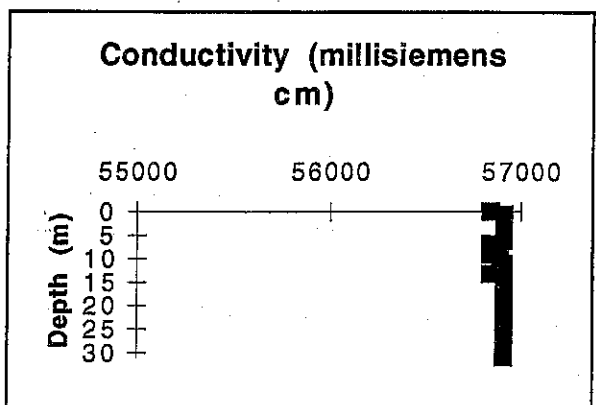
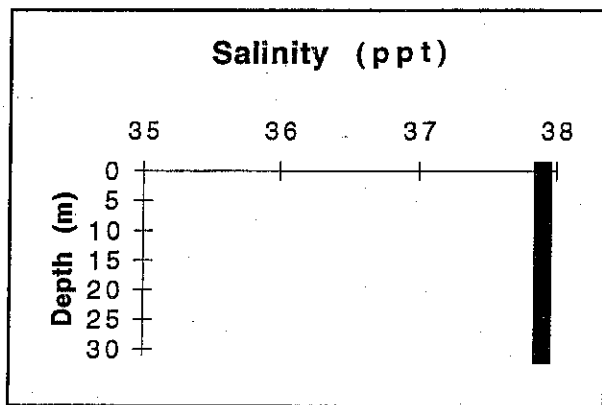
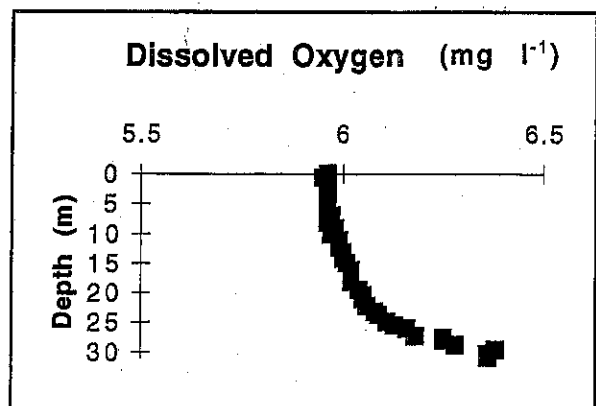
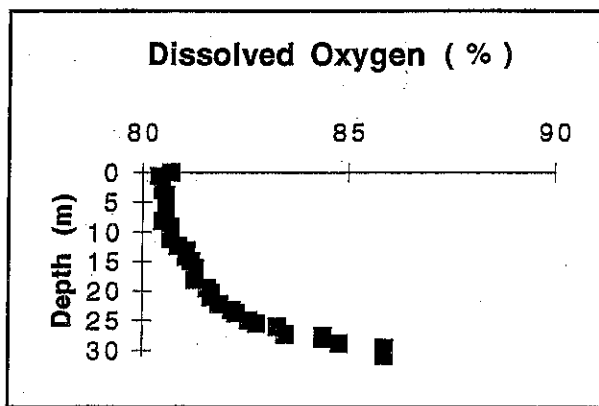
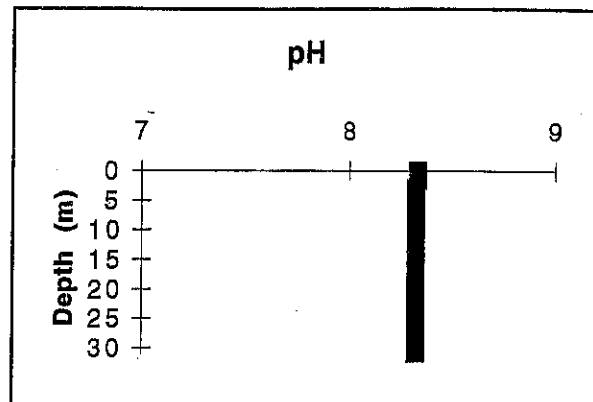
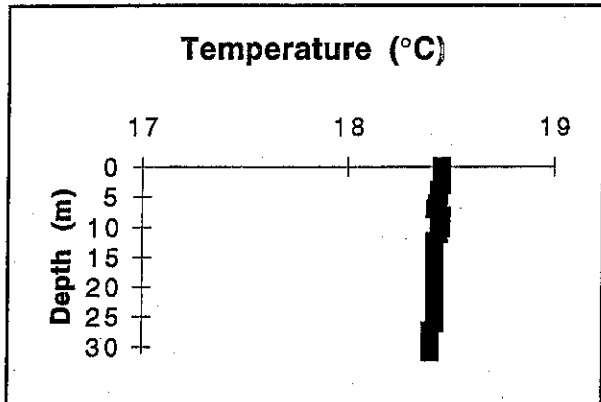


Survey 7 - 9th September 1997

Site No.	Zone	Latitude	Longitude	Time	Depth metres	Chlorophyll a mg/m ³	Dis. reactive silicon mmol/m ³ Si	Nitrite nitrogen mmol/m ³ N	Nitrate nitrogen mmol/m ³ N	Total oxidised nitrogen mmol/m ³ N	Ammoniacal nitrogen mmol/m ³ N	DAIN mmol/m ³ N	DAIP mmol/m ³ P
8	C	49 06.00 N	2 08.00 W	12:23	0.00	1.47	2.06	0.12	0.47	0.59	0.77	1.36	0.31
					10.00	1.67	2.06	0.13	0.51	0.64	0.81	1.45	0.24
					20.00	1.34	2.05	0.13	0.55	0.68	0.97	1.65	0.23
17	C	49 07.00 N	2 08.00 W	13:38	0.00	1.45	2.05	0.13	0.77	0.90	1.13	2.03	0.22
					8.00	1.43	2.08	0.12	0.59	0.71	0.77	1.48	0.55
					16.00	1.83	2.09	0.13	0.61	0.74	0.99	1.73	0.24
18	C	49 08.00 N	2 08.00 W	13:54	0.00	1.47	2.05	0.13	0.60	0.73	1.03	1.76	0.25
					25.00	1.92	2.04	0.12	0.57	0.69	0.79	1.48	0.22
					7.70	2.01	2.11	0.11	0.42	0.54	1.24	1.77	0.45
20	C	49 09.00 N	2 08.30 W	14:26	0.00	1.68	2.06	0.12	0.54	0.66	1.33	1.99	0.25
					15.30	1.61	2.25	0.13	0.57	0.70	0.93	1.63	0.31
					23.00	1.65	2.13	0.13	0.39	0.51	1.01	1.53	0.37
21	B	49 09.83 N	2 08.54 W	9:44	0.00	1.79	2.10	0.13	0.54	0.66	0.87	1.53	0.26
					6.30	1.90	2.06	0.12	0.54	0.66	0.83	1.49	0.30
					12.70	2.06	2.05	0.12	0.59	0.71	0.75	1.46	0.25
23	B	49 10.22 N	2 08.56 W	10:15	0.00	1.56	2.08	0.13	0.99	1.11	1.06	2.17	0.25
					5.00	2.10	2.06	0.16	2.01	2.16	2.29	4.45	0.28
					10.00	1.74	2.02	0.12	0.56	0.69	0.86	1.54	0.26
25	B	49 10.55 N	2 08.22 W	10:35	0.00	1.52	2.11	0.11	0.56	0.68	1.03	1.71	0.25
					5.00	2.78	2.10	0.13	0.53	0.66	3.17	3.83	0.26
					10.00	2.01	2.23	0.13	0.53	0.66	0.95	1.61	0.30
27	B	49 11.21 N	2 07.98 W	10:50	0.00	1.83	2.24	0.11	0.71	0.82	1.58	2.41	0.29
					5.00	1.88	2.25	0.11	0.66	0.76	1.11	1.88	0.30
					10.00	1.79	2.46	0.11	0.76	0.88	1.31	2.19	0.27
28	A	49 11.33 N	2 07.89 W	11:00	0.00	1.87	2.10	0.11	0.47	0.59	0.94	1.52	0.22
					5.00	2.05	2.10	0.12	0.60	0.72	1.07	1.79	0.17
					10.00	1.92	2.15	0.12	0.50	0.62	1.28	1.90	0.20
29	B	49 11.21 N	2 07.98 W	10:50	0.00	1.65	2.17	0.12	0.42	0.54	0.94	1.48	0.23
					5.00	2.45	2.22	0.12	0.24	0.36	0.71	1.07	0.29
					10.00	2.05	2.24	0.12	0.78	0.90	0.81	1.71	0.40
30	A	49 11.33 N	2 07.89 W	11:00	0.00	2.05	2.22	0.15	0.69	0.84	1.58	2.41	0.23
					5.00	1.38	2.20	0.13	0.51	0.64	0.93	1.56	0.23
					10.00	2.45	4.24	0.19	30.44	30.63	1.33	31.95	4.49
31	A	49 11.33 N	2 07.89 W	11:00	0.00	1.96	2.14	0.13	0.42	0.55	1.27	1.82	0.21
					4.00	1.87	2.10	0.13	0.40	0.53	0.95	1.48	0.19
					6.00	1.96	2.13	0.13	0.35	0.48	0.99	1.47	0.21

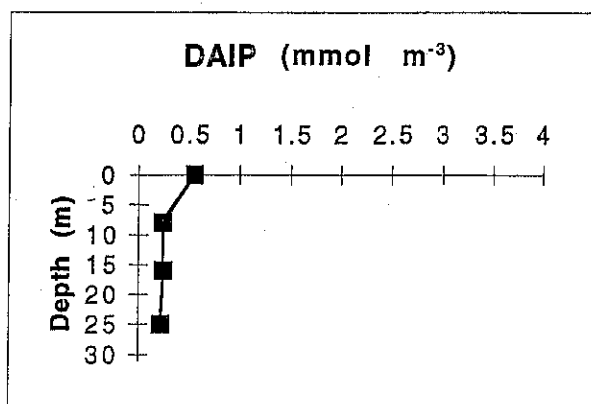
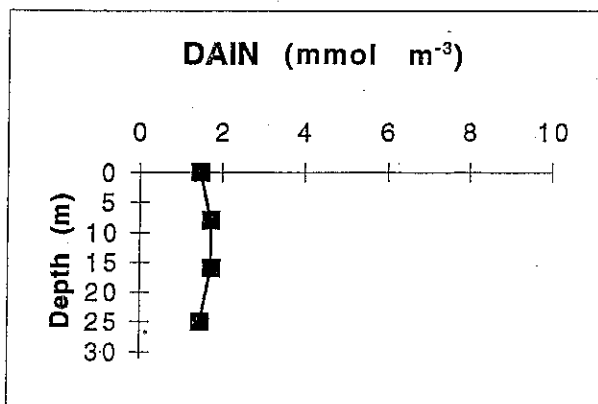
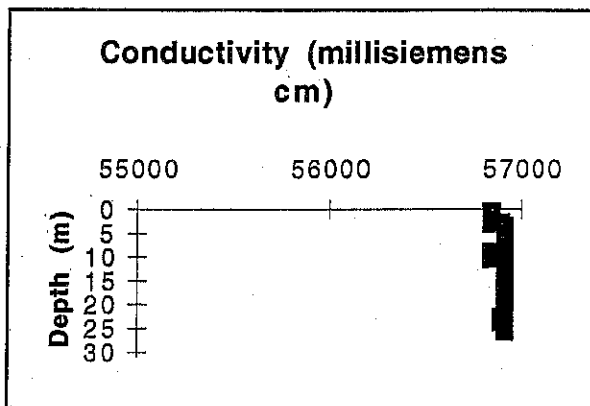
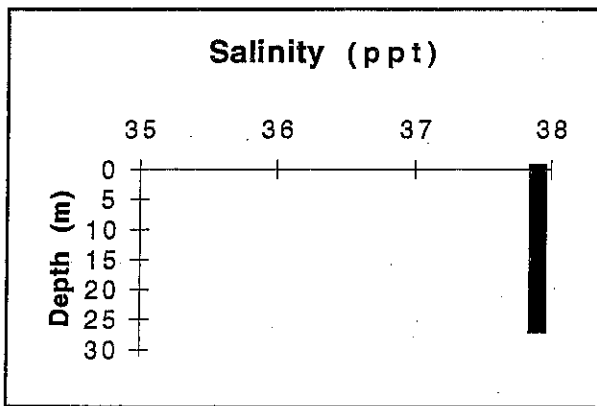
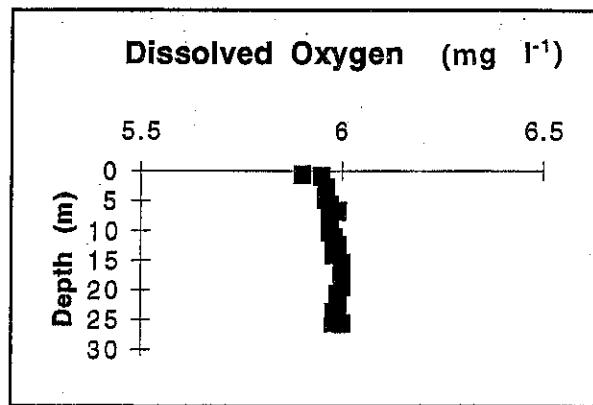
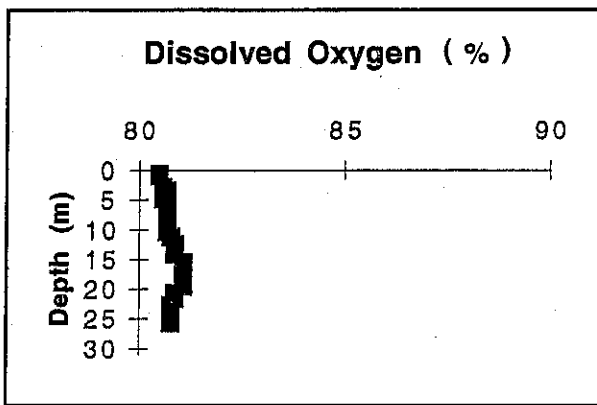
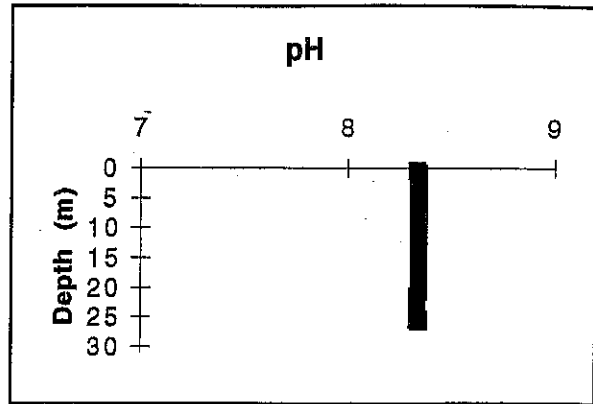
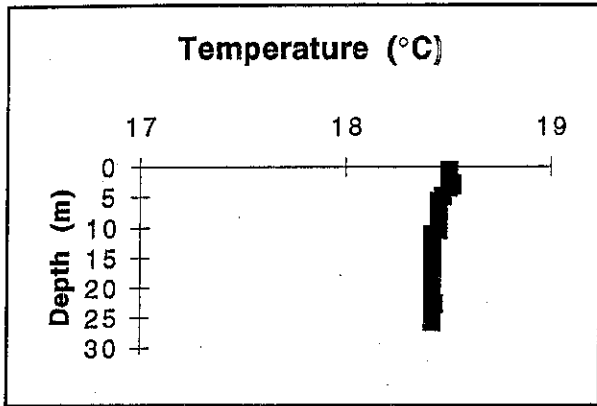
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Site 8 - 49 06.00 N 2 08.00 W - Zone C



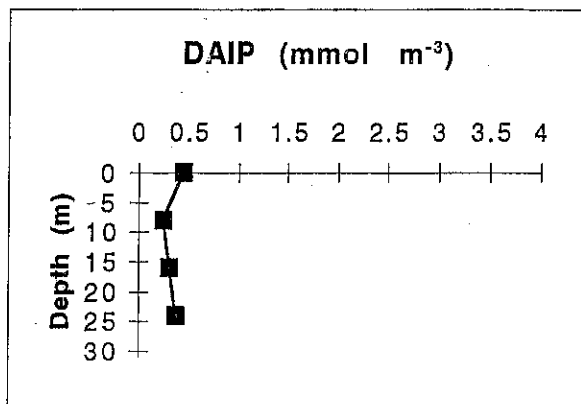
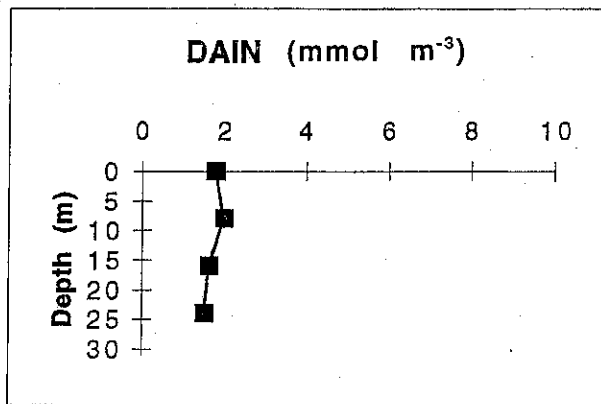
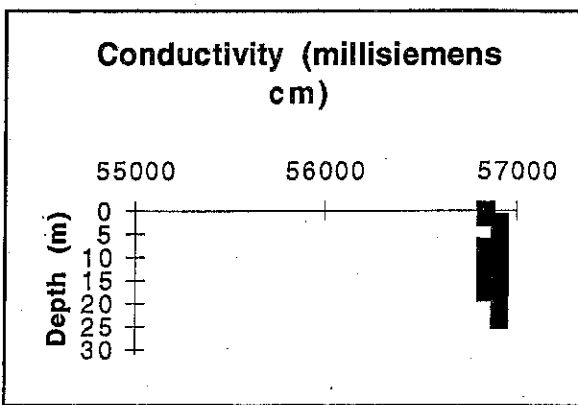
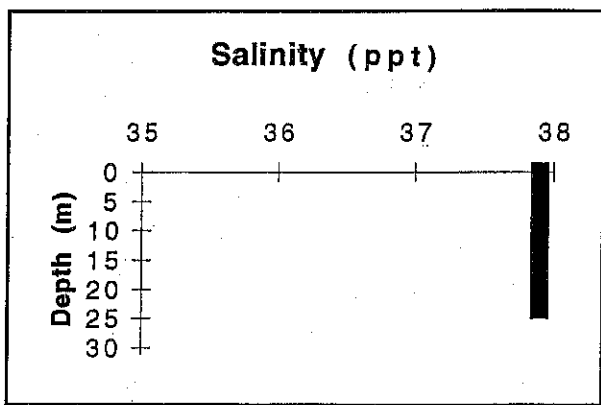
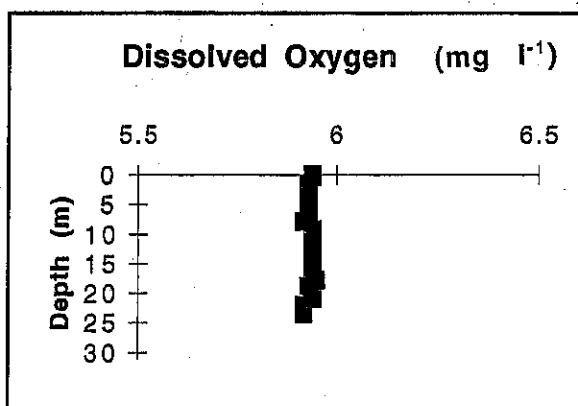
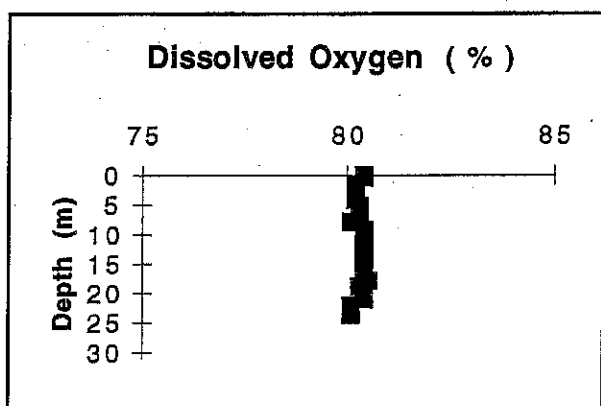
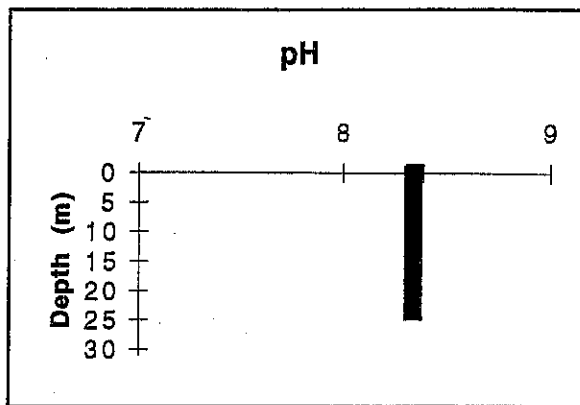
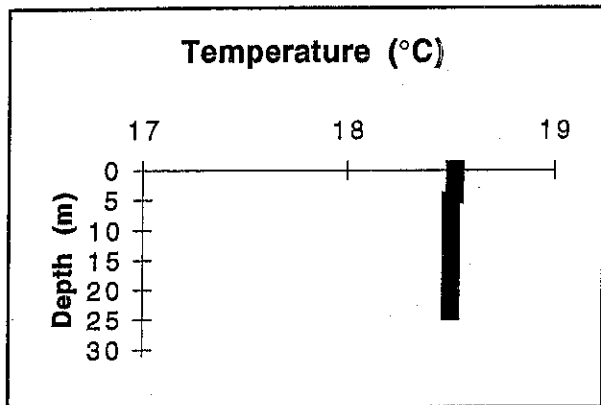
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Site 17 - 49 07.00 N 2 08.00 W - Zone C



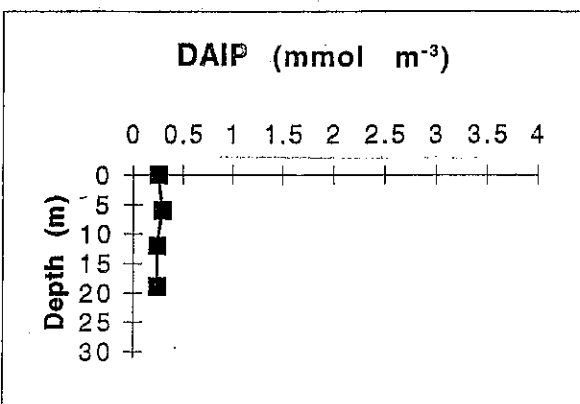
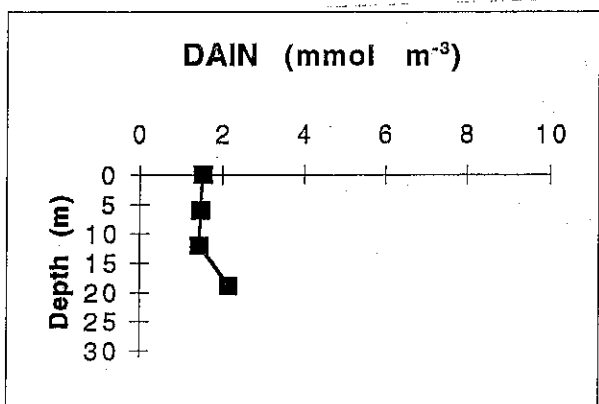
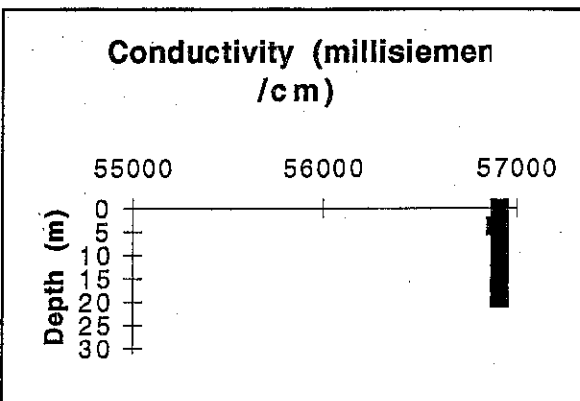
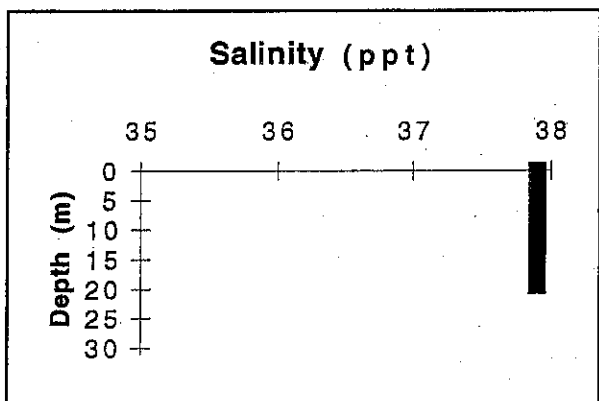
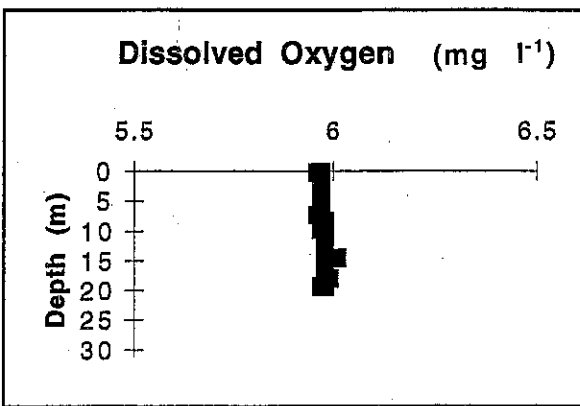
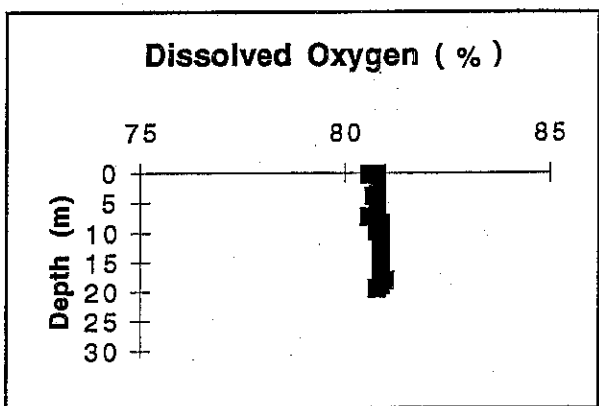
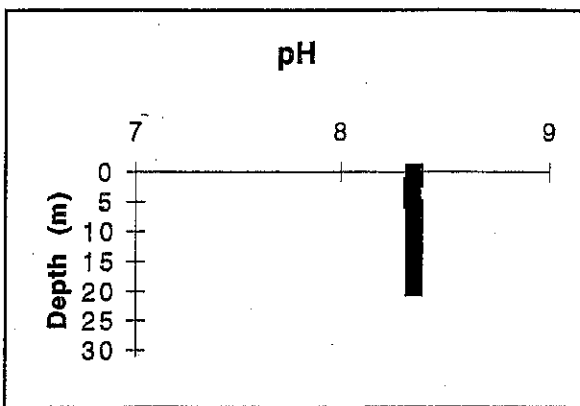
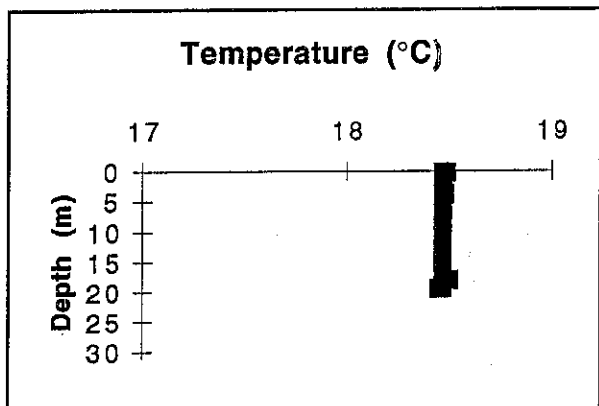
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Site 18 - 49 08.00 N 2 08.00 W - Zone C



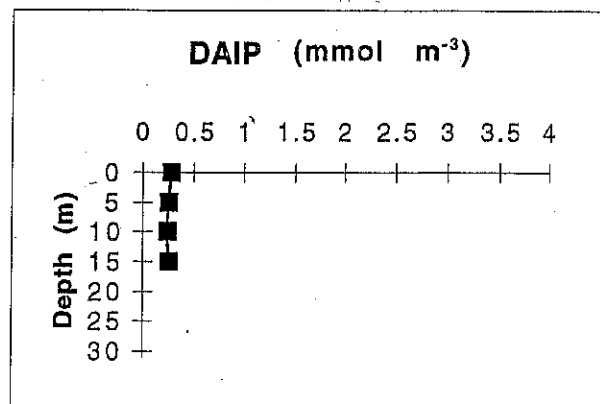
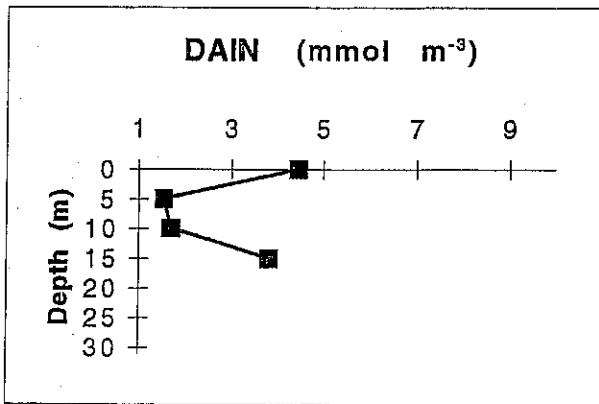
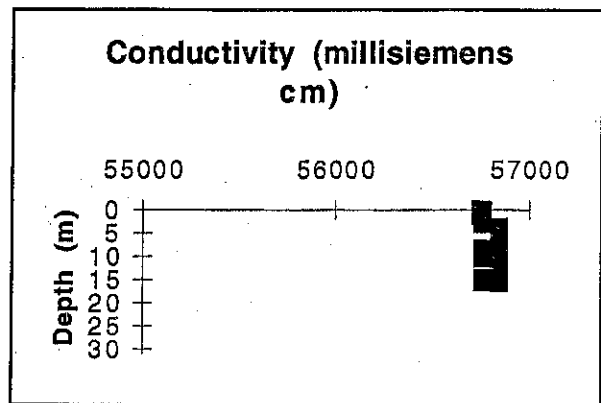
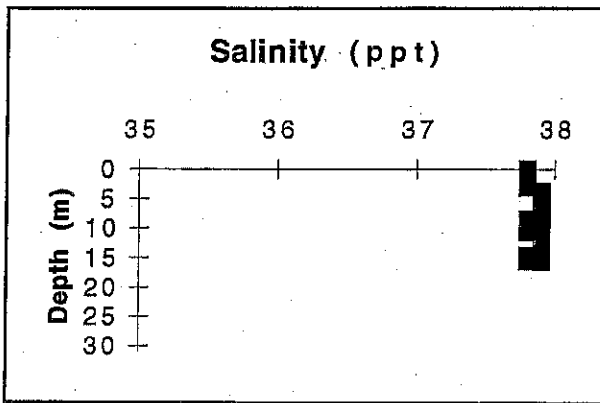
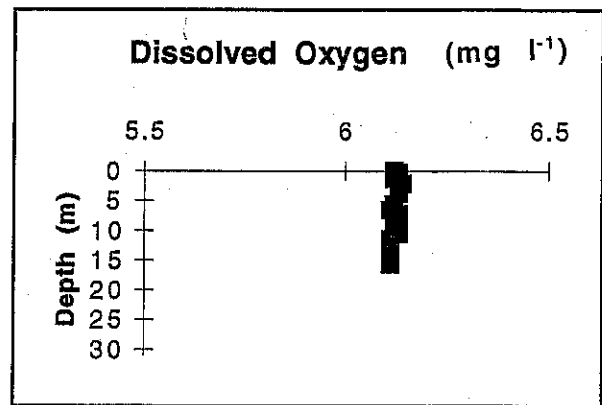
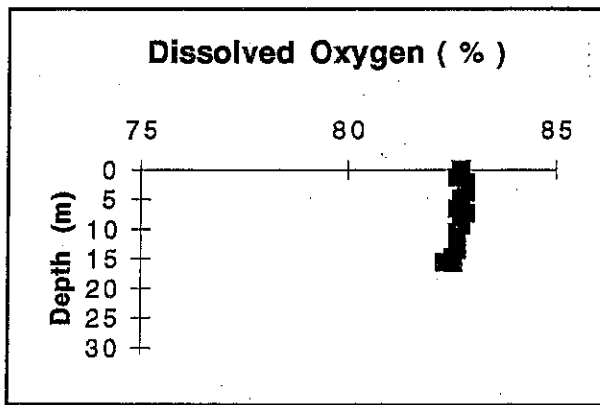
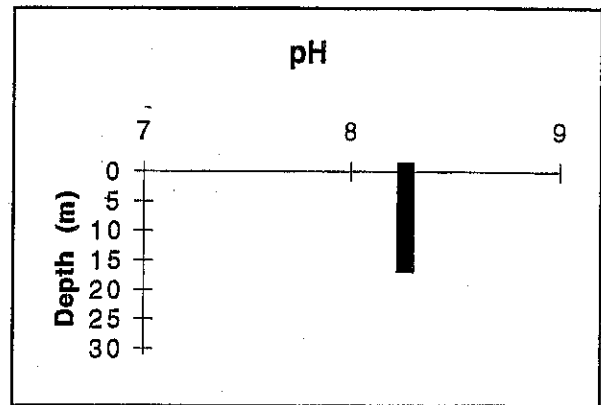
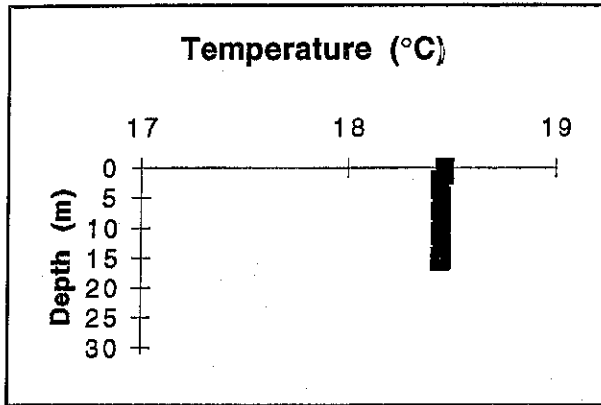
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Site 20 - 49 09.00 N 2 08.30 W - Zone C



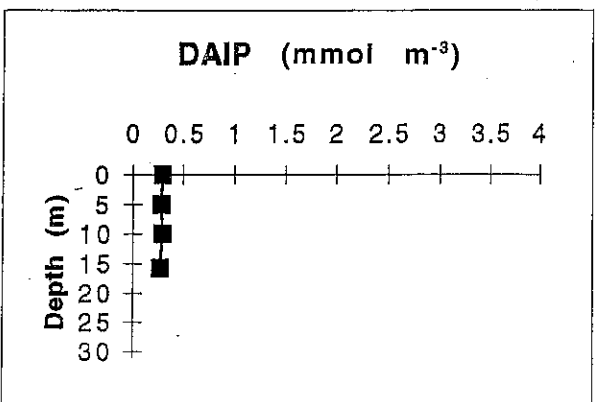
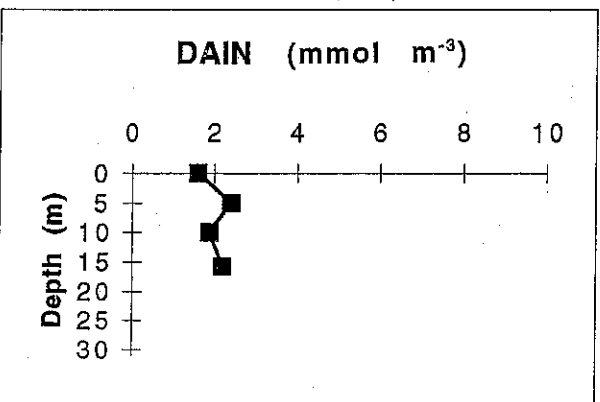
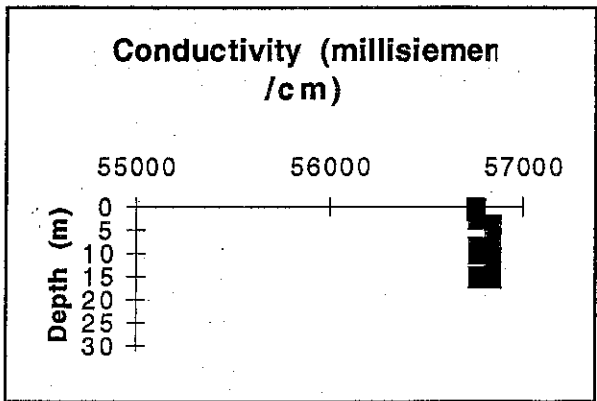
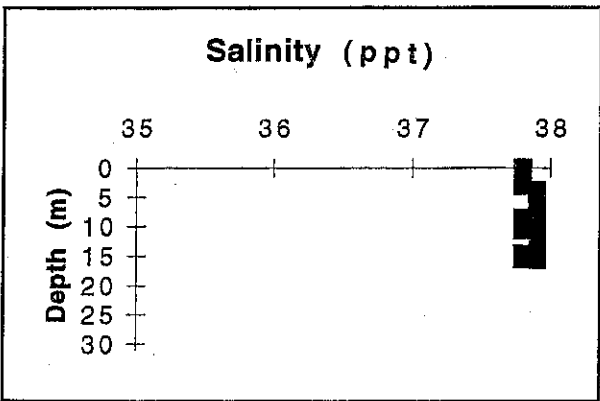
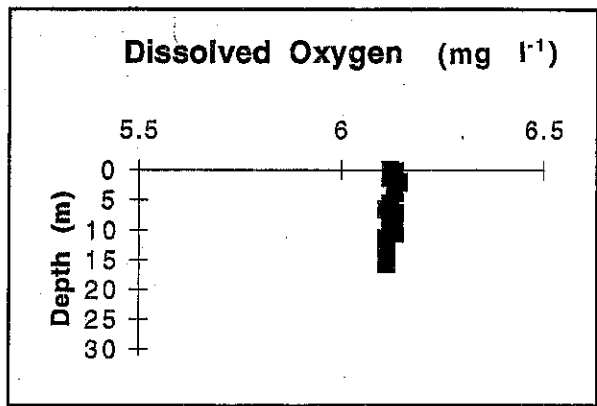
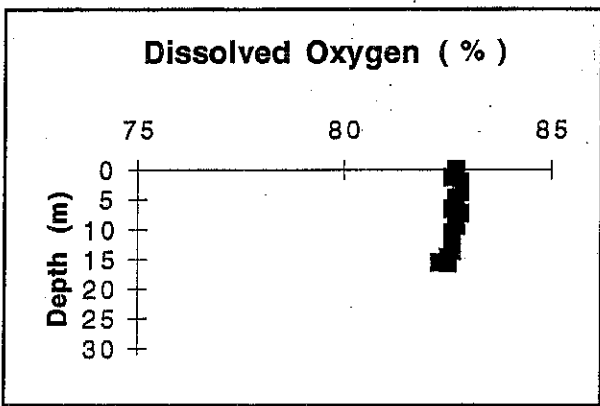
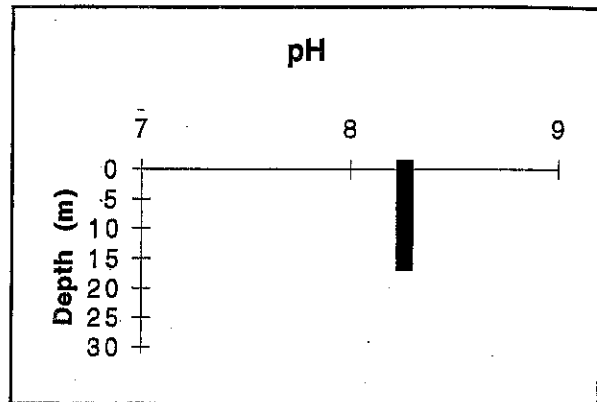
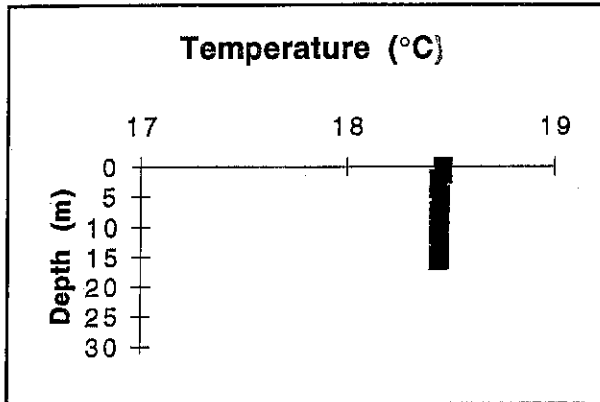
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Site 21 - 49 09.83 N 2 08.54 W - Zone B



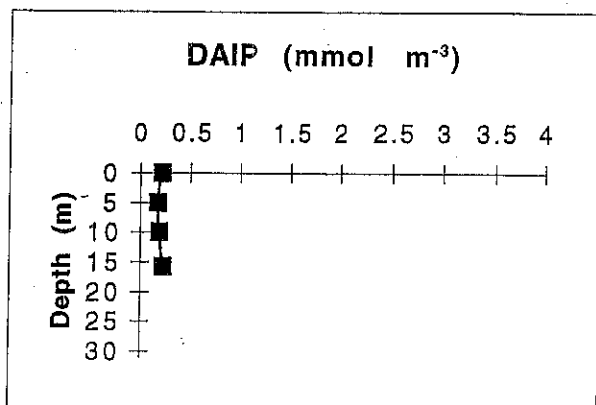
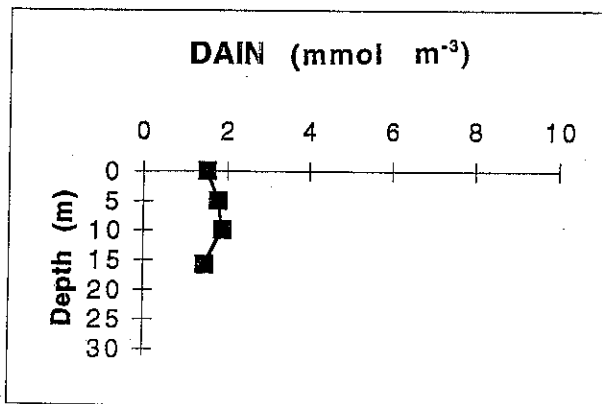
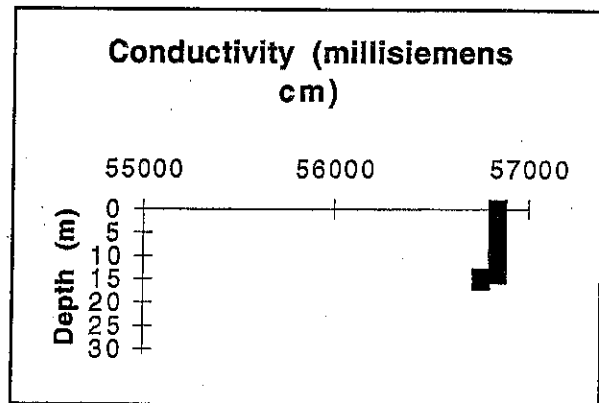
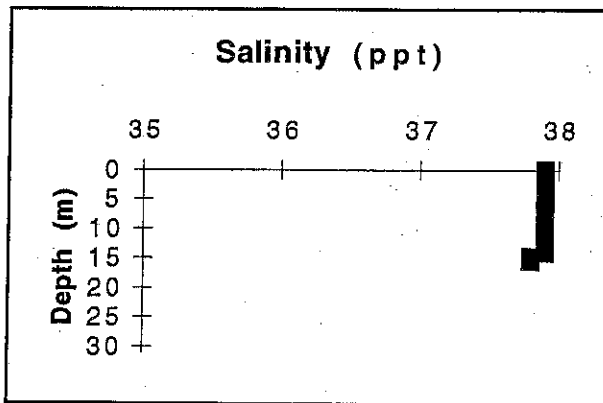
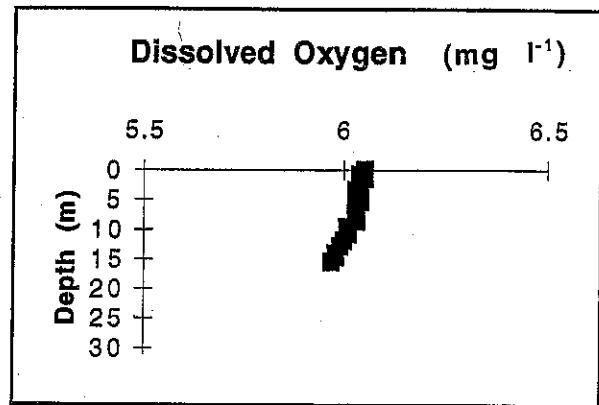
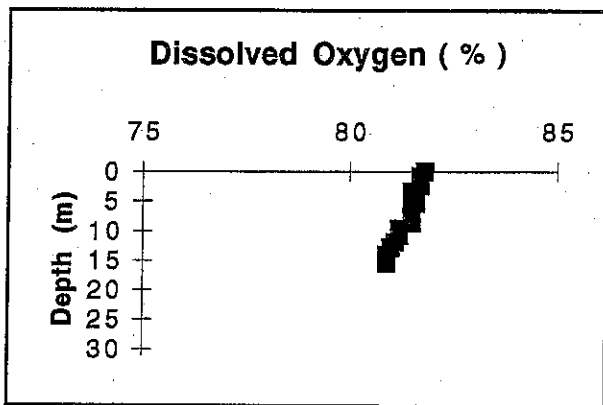
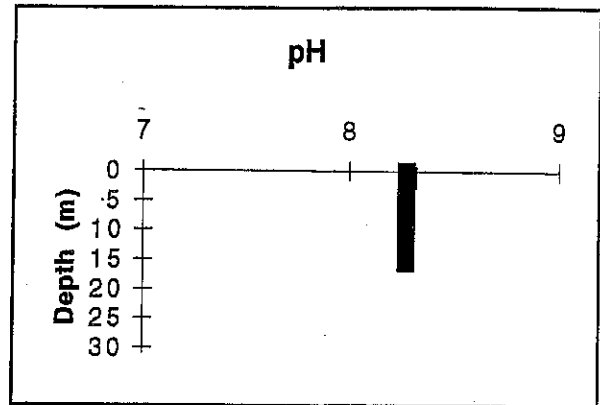
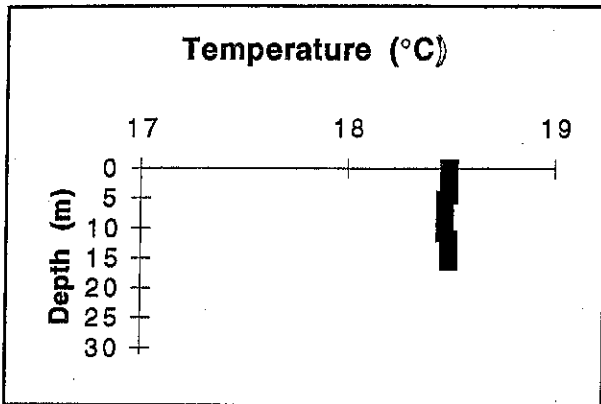
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Site 23 - 49 10.22 N 2 08.56 W - Zone B



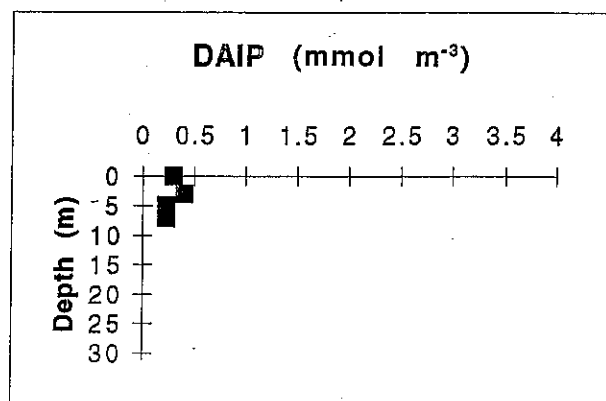
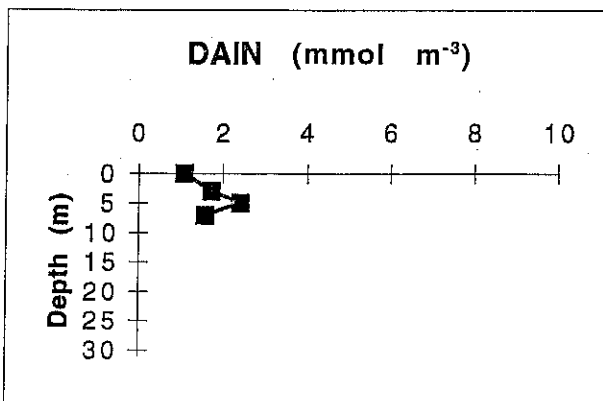
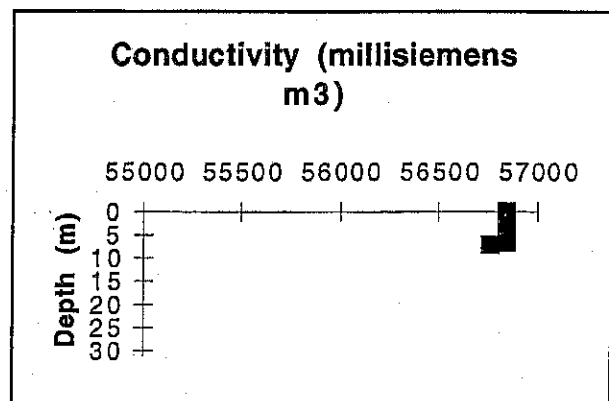
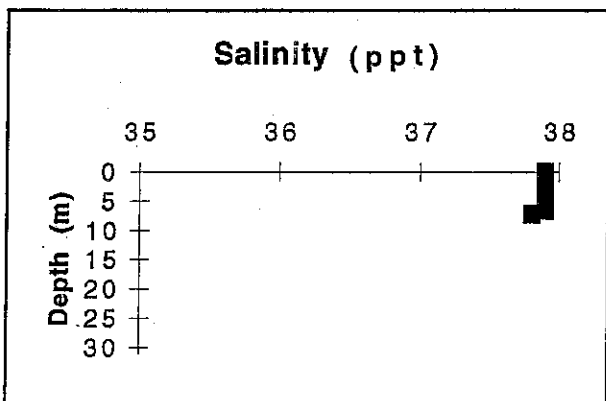
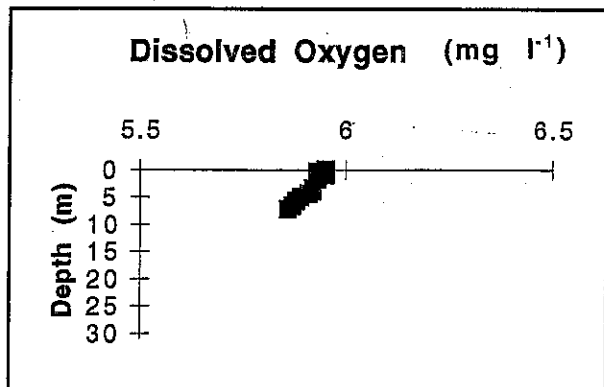
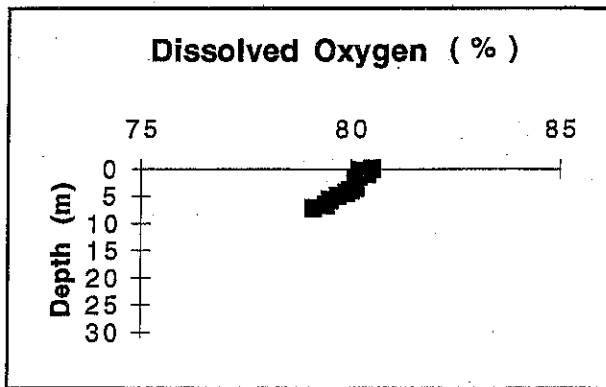
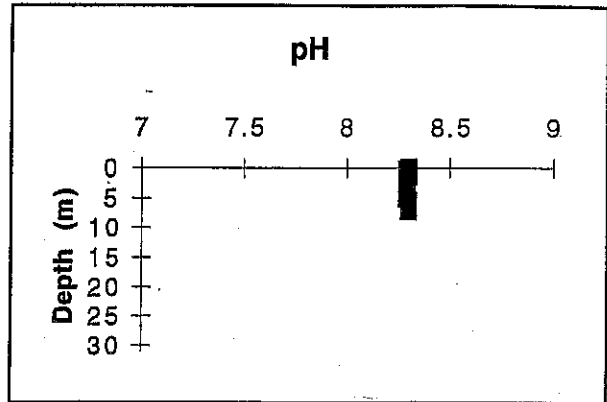
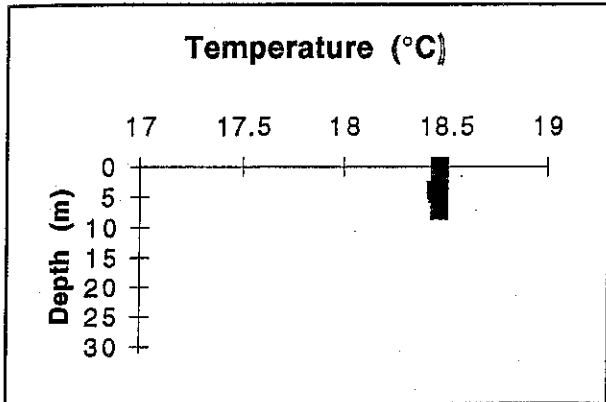
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Site 25 - 49 10.55 N 2 08.22 W - Zone B



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Site 27 - 49 11.21 N 2 07.98 W - Zone B



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Site 28 - 49 11.33 N 2 07.89 W - Zone A

