Annex CHE

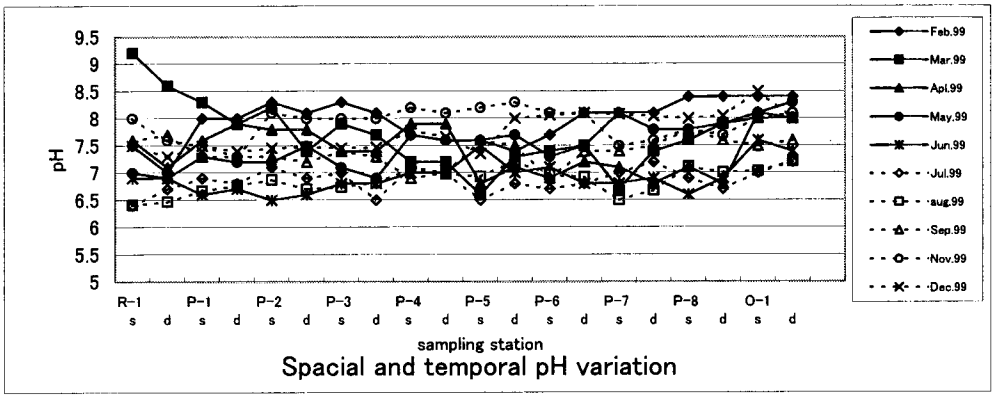
CHE-F-1

pH Variation in Patos Lake

Period:February, 1999-January, 2000

pH VARIATION IN PATOS LAKE

station		1st Feb.99	2nd Mar.99	3th Apl.99	4th May.99	5th Jun.99	6th Jul.99	7th aug.99	8yh Sep.99	9yh Nov.99	10th Dec.99	11th Jan.2000
R-1	s	7.5	9.2	7.6	7	6.9	6.4	6.41	7.6	8	7.5	
	d	7	8.6	7.1	6.9	6.9	6.7	6.47	7.7	7.6	7.3	
P-1	s	8	8.3	7.6	7.3	6.6	6.9	6.67	7.3	7.5	7.5	
	d	8	7.9	7.9	7.2	6.7	6.8	6.77	7.3	7.3	7.4	
P-2	s	8.3	8.2	7.8	7.2	6.5	7.1	6.87	7.3	8.1	7.46	
	d	8.1	7.4	7.8	7.5	6.6	6.9	6.7	7.2	8	7.48	
P-3	s	8.3	7.9	7.4	7.1	6.8	7	6.74	7.4	8	7.46	
	d	8.1	7.7	7.4	6.9	6.8	6.5	6.82	7.3	8	7.47	
P-4	s	7.7	7.2	7.9	7.7	7	7.1	7.08	6.9	8.2	7.78	
	d	7.6	7.2	7.9	7.6	7	7	6.98	7	8.1	7.66	
P-5	s	7.6	6.6	6.8	7.6	7.5	6.5	6.93	7.6	8.2	7.35	
	d	7.4	7.3	7.1	7.7	7	6.8	7.21	7.5	8.3	8	
P-6	s	7.7	7.4	6.9	7.3	7.1	6.7	6.96	6.9	8.1	8.06	
	d	8.1	7.5	7.2	7.5	6.8	6.8	6.92	7.4	8.1	8.1	
P-7	s	8.1	6.7	7.1	8.1	6.8	7	6.5	7.4	7.5	8.08	
	d	8.1	7.4	6.8	7.8	6.9	7.2	6.68	7.5	7.6	8.04	
P-8	s	8.4	7.6	7.1	7.8	6.6	6.9	7.11	7.8	7.8	8	
	d	8.4	7.9	6.8	7.9	6.9	6.7	7.01	7.6	7.7	8.05	
O-1	s	8.4	8	8.1	8.1	7.6	7	7.03	7.5	8	8.5	
	d	8.4	8	8	8.3	7.4	7.2	7.21	7.6	8.1	8	



Spacial and temporal pH variation

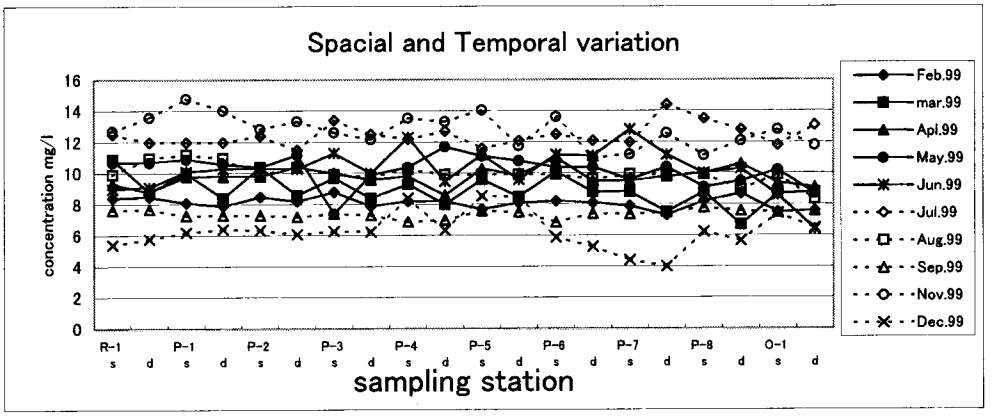
CHE-F-2

DO Variation in Patos Lake

Period:February, 1999-January, 2000

DO VARIATION IN PATOS LAKE

station		Feb.99	mar.99	Apl.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dec.99	Jan.2000
R-1	s	8.4	10.9	9.3	10.7	9	12.5	9.93	7.63	12.7	5.4	
	d	8.5	8.8	8.8	10.7	9.1	12	10.97	7.7	13.58	5.77	
P-1	s	8.1	10	9.8	10.9	10.1	12	11.21	7.29	14.8	6.19	
	d	7.9	8.4	9.8	10.6	10.3	12	10.97	7.3	14.04	6.4	
P-2	s	8.5	10.4	9.8	10.4	10.3	12.4	9.93	7.3	12.85	6.35	
	d	8.2	8.6	10.4	11.2	10.3	11.5	10.41	7.2	13.33	6.08	
P-3	s	8.8	9.7	10	7.4	11.3	13.4	9.93	7.4	12.62	6.29	
	d	7.9	8.4	9.6	9.9	10	12.5	9.77	7.3	12.17	6.24	
P-4	s	8.2	9.3	9.8	10.4	12.3	12.2	10.25	6.9	13.54	8.4	
	d	8.2	8	8.6	11.7	9.5	12.7	9.93	7	13.31	6.35	
P-5	s	7.7	9.6	10.3	11.1	11.2	11.6	9.93	7.6	14.06	8.55	
	d	8.1	8.5	9.9	10.8	9.6	12.1	9.93	7.5	11.76	8.5	
P-6	s	8.2	10.1	11	10.4	11.2	12.5	9.93	6.86	13.62	5.87	
	d	8.1	8.8	9.5	10.4	11.1	12.1	9.61	7.4	10.98	5.27	
P-7	s	7.9	8.8	9.5	9.6	12.8	12	9.93	7.36	11.21	4.42	
	d	7.3	7.5	9.8	10.4	11.2	14.4	9.93	7.5	12.58	4.01	
P-8	s	8.2	8.8	10	9.1	10	13.5	9.93	7.8	11.15	6.25	
	d	8.7	6.7	10.6	9.5	10.3	12.8	8.97	7.6	12.1	5.66	
O-1	s	7.5	8.7	9.4	10.2	8.6	11.8	9.93	7.5	12.8	7.42	
	d	7.6	8.8	9.1	8.7	6.4	13.1	8.33	7.6	11.8	6.48	



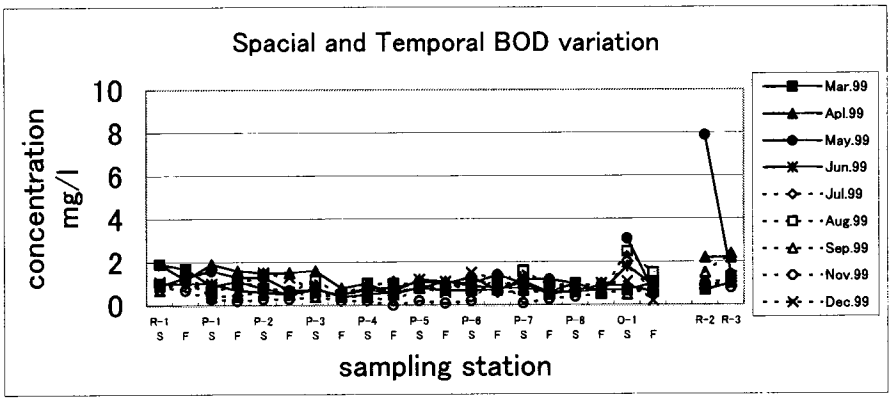
CHE-F-3

BOD Variation in Patos Lake

Period:February, 1999-January, 2000

BOD VARIATION IN PATOS LAKE

station		Mar.99	Apl.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dec.99	Jan.2000
R-1	S	1.9	1.9	0.9	1	0.7	1	0.7	0.9	1.1	
	F	1.7	1.2	1.3	1	1.3	1.2	1.2	0.7	1	
P-1	S	0.9	1.9	1.6	1	0.8	0.6	0.4	0.3	0.6	
	F	1.1	1.6	1.3	0.7	1.1	1	0.5	0.2	1	
P-2	S	0.8	1.5	1.3	0.6	0.9	1.4	0.6	0.3	1.5	
	F	0.5	1.5	0.7	0.5	0.6	0.6	0.7	0.3	1.3	
P-3	S	0.8	1.6	0.7	0.7	0.8	1.2	0.4	0.4	0.7	
	F	0.4	0.8	0.5	0.5	0.4	0.5	0.5	0.2	0.4	
P-4	S	0.5	1	0.8	0.7	0.9	1	0.4	0.2	0.4	
	F	0.6	0.5	0.8	0.6	1.1	1	0.7	0	0.2	
P-5	S	0.8	0.8	1.1	1.2	0.9	0.8	0.8	0.2	0.8	
	F	0.7	1.1	1	1.1	0.9	0.8	1	0.1	0.6	
P-6	S	0.7	1	1.3	0.9	0.8	1.1	0.7	0.2	1.5	
	F	0.7	1.4	0.7	0.8	0.6	1	0.9	1.4	1.2	
P-7	S	1.1	1	1.2	0.8	0.6	1.6	0.7	0.1	0.8	
	F	0.6	0.5	1.2	0.6	0.6	0.9	0.6	0.3	0.8	
P-8	S	0.6	0.7	1	1	0.8	1	0.7	0.4	0.9	
	F	0.7	0.9		0.6	1	0.5	0.7	0.5	1	
O-1	S	0.7	0.9	3.1	1.8	0.8	2.5	0.5	2	1.1	
	F	1	0.6	0.6	0.9	0.5	1.5	0.8	0.5	0.2	
R-2		0.7	2.2	7.9		0.8	0.8	1.5	1	1.1	
R-3		1	2.2	1.4	1.3	1.2	1.1	2.4	0.8	1.1	



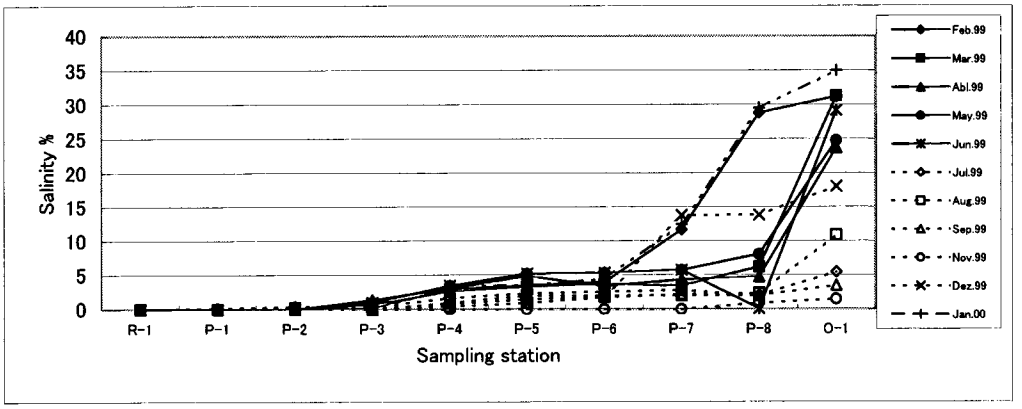
CHE-F-4

Salinity Variation in Patos Lake

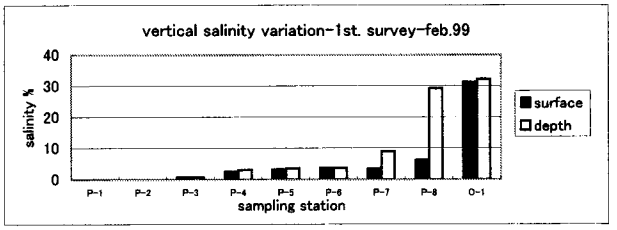
Period:February, 1999-January, 2000

SALINITY VARIATION IN PATOS LAKE Period: Feb.99-Jan.00

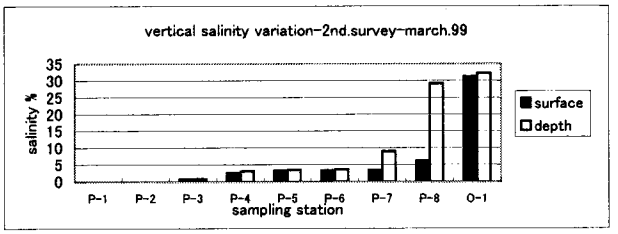
station	Feb.99	Mar.99	Abl.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dez.99	Jan.00
R-1	0	0	0	0	0	0.01	0.01	0	0	0	0
P-1	0	0	0	0	0	0.13	0.01	0	0	0.01	0
P-2	0	0	0	0.01	0.01	0.44	0.22	0	0	0.02	0
P-3	0.2	0.72	1.35	0.96	0.96	0.35	0.32	0	0	0.01	1
P-4	3	2.64	3.11	3.48	3.48	1.7	0.43	1	0	0.8	3.5
P-5	3.5	3.29	4.93	5.22	5.22	2.35	0.92	2	0	1.5	3.5
P-6	4	3.71	3.36	5.35	5.35	2.59	1.8	2	0	1.84	4.5
P-7	11.7	3.46	4.34	5.75	5.75	2.8	2.14	2	0	13.78	12.5
P-8	28.8	6.2	4.78	8.08	0.08	2.07	2.33	2	0.9	13.84	29.5
O-1	31.2	31.3	23.72	24.8	29.2	5.47	10.88	3.5	1.5	18.07	35



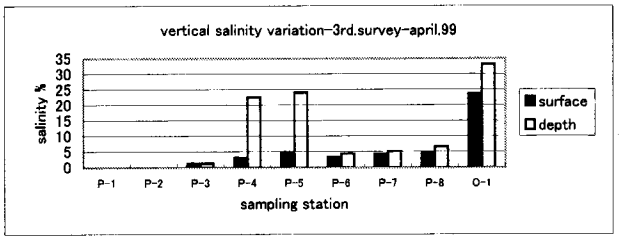
station	surface	depth
P-1	0	0
P-2	0	0
P-3	0.7	0.7
P-4	2.6	3.1
P-5	3.3	3.6
P-6	3.7	3.7
P-7	3.5	9
P-8	6.2	29.3
O-1	31.3	32.2



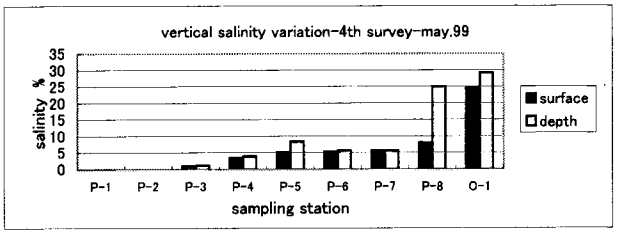
station	surface	depth
P-1	0	0
P-2	0	0
P-3	0.72	0.83
P-4	2.64	3.13
P-5	3.29	3.47
P-6	3.42	3.72
P-7	3.46	9.04
P-8	6.2	29.25
O-1	31.33	32.24



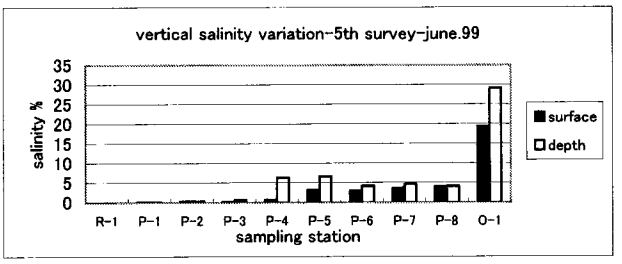
station	surface	depth
P-1	0	0
P-2	0	0
P-3	1.35	1.39
P-4	3.11	22.53
P-5	4.93	24.03
P-6	3.36	4.47
P-7	4.35	5.13
P-8	4.78	6.66
O-1	23.72	33.12



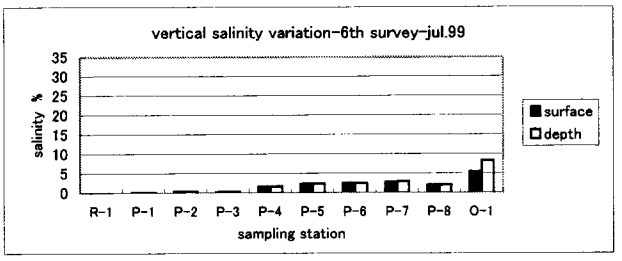
station	surface	depth
P-1	0	0
P-2	0.01	0.01
P-3	0.96	1.18
P-4	3.48	3.98
P-5	5.22	8.42
P-6	5.35	5.74
P-7	5.75	5.75
P-8	8.08	25.02
O-1	24.8	29.2



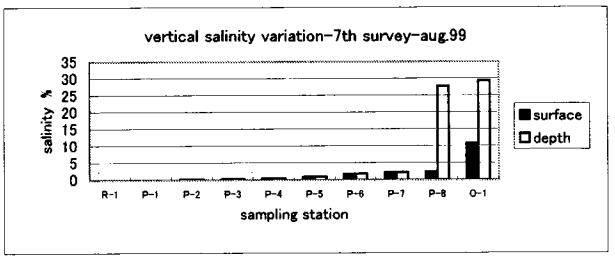
station	surface	depth
R-1	0.01	0.01
P-1	0.13	0.18
P-2	0.34	0.34
P-3	0.26	0.69
P-4	0.73	6.29
P-5	3.21	6.63
P-6	3.11	4.24
P-7	3.67	4.72
P-8	4.08	4.11
O-1	19.37	29.17



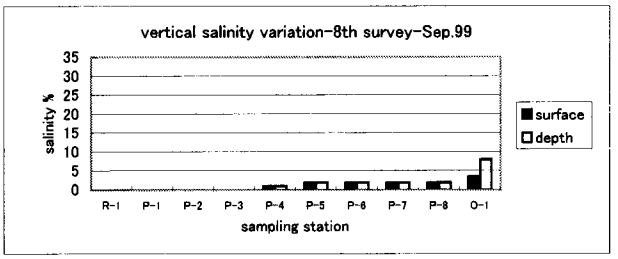
station	surface	depth
R-1	0.01	0.01
P-1	0.13	0.14
P-2	0.44	0.45
P-3	0.35	0.37
P-4	1.7	1.73
P-5	2.35	2.34
P-6	2.59	2.58
P-7	2.8	2.96
P-8	2.07	2.07
O-1	5.47	8.32



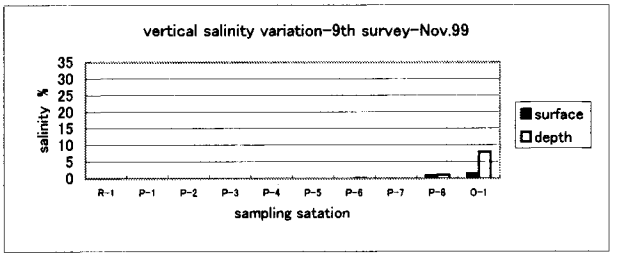
station	surface	depth
R-1	0.01	0.01
P-1	0.01	0.01
P-2	0.22	0.2
P-3	0.32	0.28
P-4	0.43	0.43
P-5	0.92	0.93
P-6	1.8	1.8
P-7	2.14	2.25
P-8	2.33	27.71
O-1	10.88	29.48



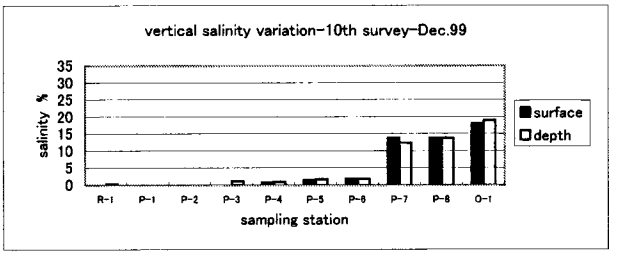
station	surface	depth
R-1	0	0
P-1	0	0
P-2	0	0
P-3	0	0
P-4	1	1
P-5	2	2
P-6	2	2
P-7	2	2
P-8	2	2
O-1	3.5	8



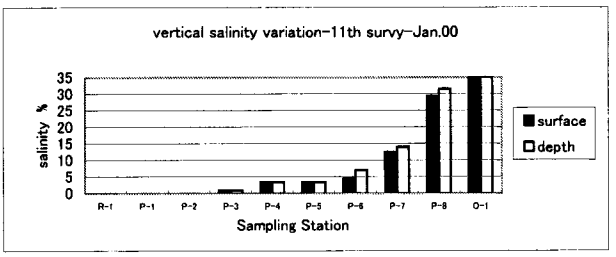
station	surface	depth
R-1	0	0
P-1	0	0
P-2	0	0
P-3	0	0.02
P-4	0	0
P-5	0	0
P-6	0	0.1
P-7	0	0
P-8	0.9	1.1
O-1	1.5	8



station	surface	depth
R-1	0	0.41
P-1	0.01	0
P-2	0.02	0
P-3	0.01	1.26
P-4	0.8	1.07
P-5	1.5	1.82
P-6	1.84	1.85
P-7	13.78	12.46
P-8	13.84	13.84
O-1	18.07	19.03



station	surface	depth
R-1	0	0
P-1	0	0
P-2	0	0
P-3	1	1
P-4	3.5	3.5
P-5	3.5	3.5
P-6	4.5	7
P-7	12.5	14
P-8	29.5	31.5
O-1	35	35



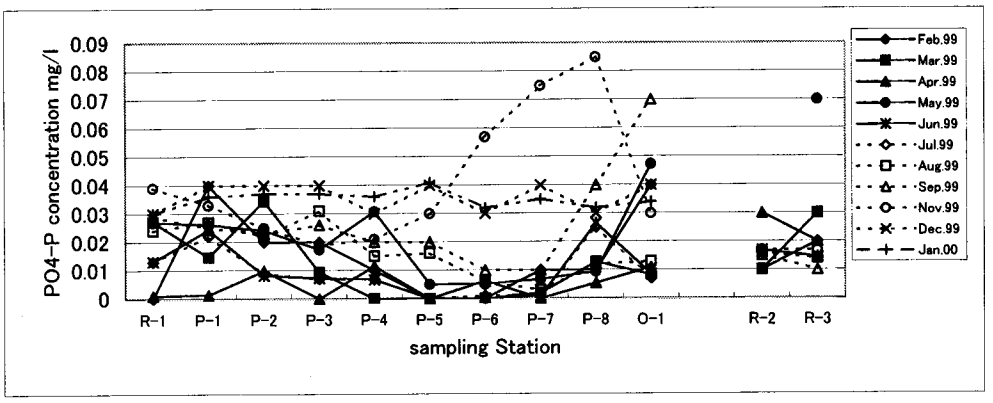
CHE-F-5

PO_4-P Variation in Patos Lake

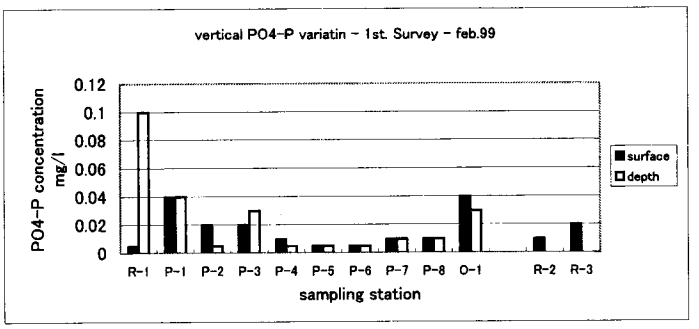
Period:March, 1999-January, 2000

PO4-P VARIATION IN PATOS LAK Period: Feb.99-Jan.00

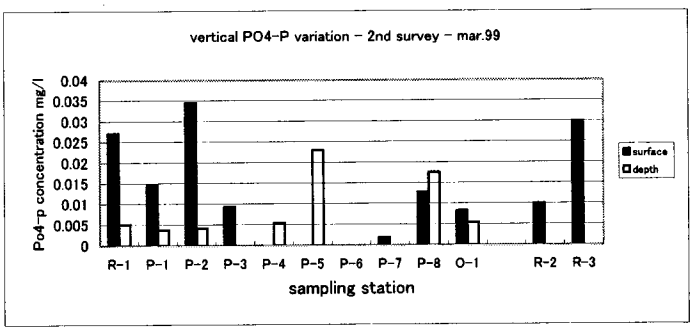
station	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dec.99	Jan.00
R-1	<0.01	0.0272	0.001	0.0269	0.0131	0.013	0.024	0.029	0.039	0.03	0.03
P-1	0.04	0.0147	0.0013	0.0262	0.0244	0.022	0.027	0.025	0.033	0.04	0.036
P-2	0.02	0.0345	0.0099	0.0241	0.0082	0.009	0.022	0.023	0.025	0.04	0.037
P-3	0.02	0.0093	0	0.0174	0.0073	0.007	0.031	0.026	0.019	0.04	0.037
P-4	0.01	0	0.0115	0.0308	0.0067	0.007	0.015	0.02	0.021	0.03	0.036
P-5	<0.01	0	0	0.0051	0	0	0.016	0.02	0.03	0.04	0.041
P-6	<0.01	0	0.0062	0.0051	0	0.001	0.006	0.01	0.057	0.03	0.032
P-7	0.01	0.0019	0	0.0067	0.0008	0.001	0.003	0.01	0.075	0.04	0.035
P-8	0.01	0.0128	0.0054	0.0094	0.0265	0.025	0.012	0.04	0.085	0.03	0.032
O-1	0.04	0.0083	0.0109	0.0474	0.0085	0.007	0.013	0.07	0.03	0.04	0.034
R-2	0.01	0.01	0.03		0.0168	0.016	0.016	0.015	0.017		
R-3	0.02	0.03	0.02	0.07	0.0146	0.014	0.014	0.01	0.017		



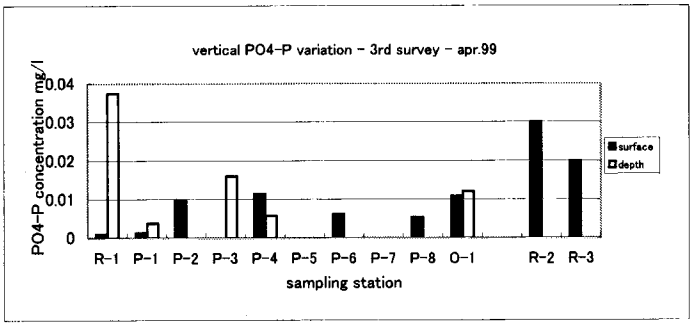
station	surface	depth
R-1	0.005	0.1
P-1	0.04	0.04
P-2	0.02	0.005
P-3	0.02	0.03
P-4	0.01	0.005
P-5	0.005	0.005
P-6	0.005	0.005
P-7	0.01	0.01
P-8	0.01	0.01
O-1	0.04	0.03
R-2	0.01	
R-3	0.02	



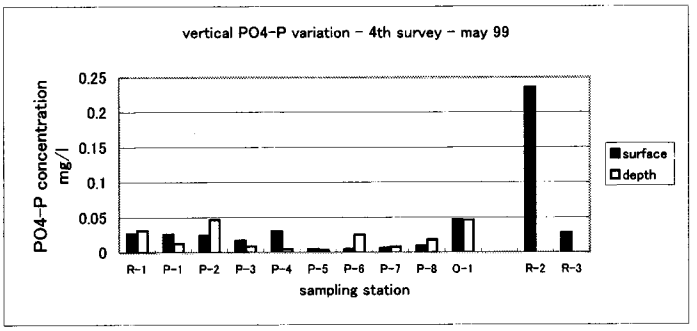
station	surface	depth
R-1	0.0272	0.0051
P-1	0.0147	0.0038
P-2	0.0345	0.0042
P-3	0.0093	0
P-4	0	0.0054
P-5	0	0.023
P-6	0	0
P-7	0.0019	0
P-8	0.0128	0.0176
O-1	0.0083	0.0054
R-2	0.01	
R-3	0.03	



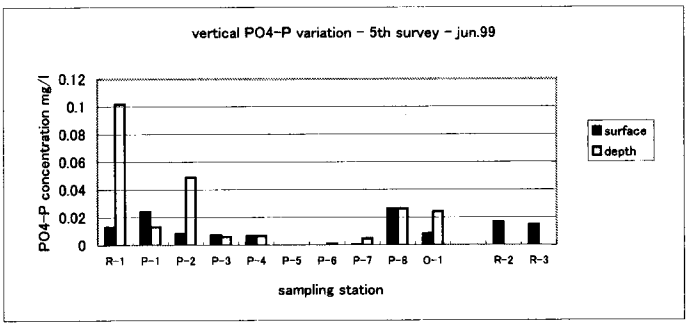
station	surface	depth
R-1	0.001	0.0374
P-1	0.0013	0.0038
P-2	0.0099	0
P-3	0	0.016
P-4	0.0115	0.0058
P-5	0	0
P-6	0.0062	0
P-7	0	0
P-8	0.0054	0
O-1	0.0109	0.0121
R-2	0.03	
R-3	0.02	



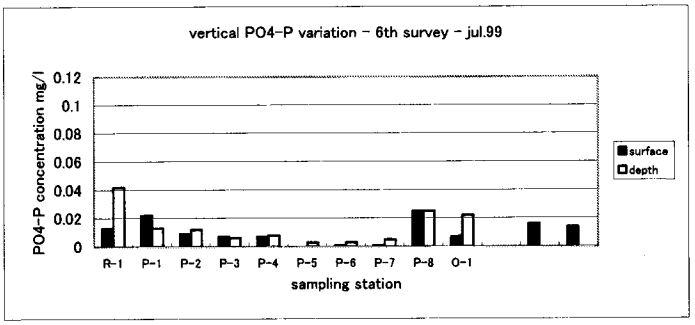
station	surface	depth
R-1	0.0269	0.0317
P-1	0.0262	0.0128
P-2	0.0241	0.0471
P-3	0.0174	0.0091
P-4	0.0308	0.0051
P-5	0.0051	0.0042
P-6	0.0051	0.0256
P-7	0.0067	0.0082
P-8	0.0094	0.0183
O-1	0.0474	0.0471
R-2	0.2359	
R-3	0.0278	



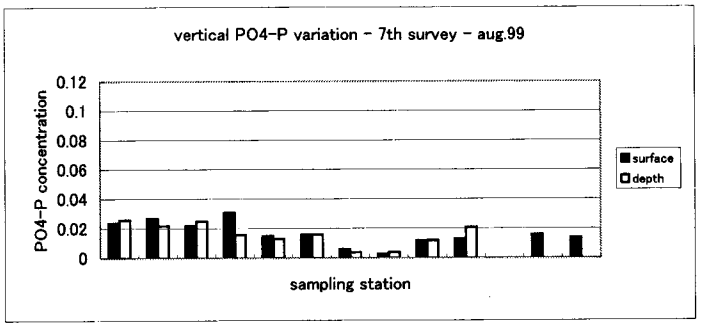
station	surface	depth
R-1	0.0131	0.1018
P-1	0.0244	0.0134
P-2	0.0082	0.0489
P-3	0.0073	0.0063
P-4	0.0067	0.0067
P-5	0	0
P-6	0	0.0011
P-7	0.0008	0.0048
P-8	0.0265	0.0265
O-1	0.0085	0.0244
R-2	0.0168	
R-3	0.0146	



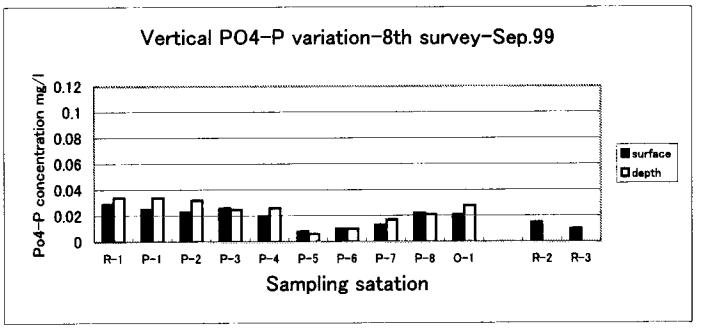
station	surface	depth
R-1	0.013	0.042
P-1	0.022	0.013
P-2	0.009	0.012
P-3	0.007	0.006
P-4	0.007	0.008
P-5	0	0.003
P-6	0.001	0.003
P-7	0.001	0.005
P-8	0.025	0.025
O-1	0.007	0.022
	0.016	
	0.014	



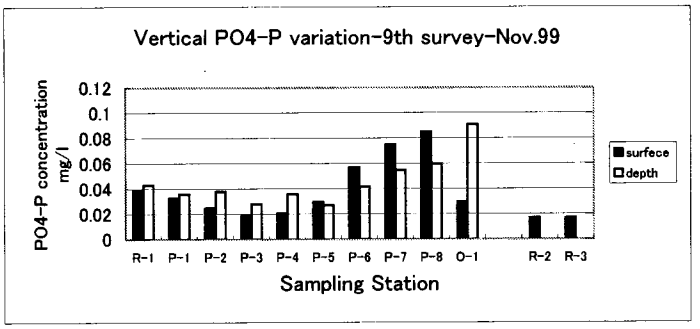
station	surface	depth
R-1	0.024	0.026
P-1	0.027	0.022
P-2	0.022	0.025
P-3	0.031	0.016
P-4	0.015	0.013
P-5	0.016	0.016
P-6	0.006	0.004
P-7	0.003	0.004
P-8	0.012	0.012
O-1	0.013	0.021
R-2	0.016	
R-3	0.014	



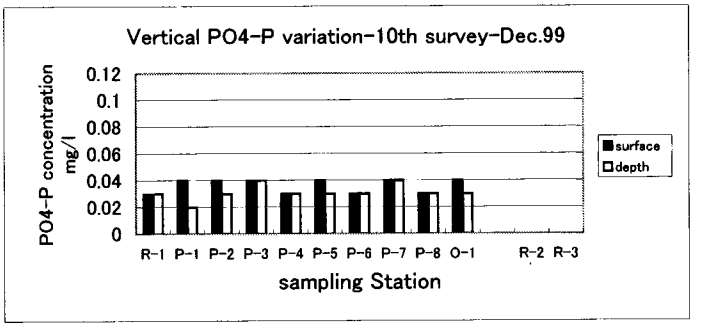
station	surface	depth
R-1	0.029	0.034
P-1	0.025	0.034
P-2	0.023	0.032
P-3	0.026	0.025
P-4	0.02	0.026
P-5	0.008	0.006
P-6	0.01	0.01
P-7	*0.013*	0.017
P-8	0.022	0.021
O-1	0.021	0.028
R-2	0.015	
R-3	0.01	



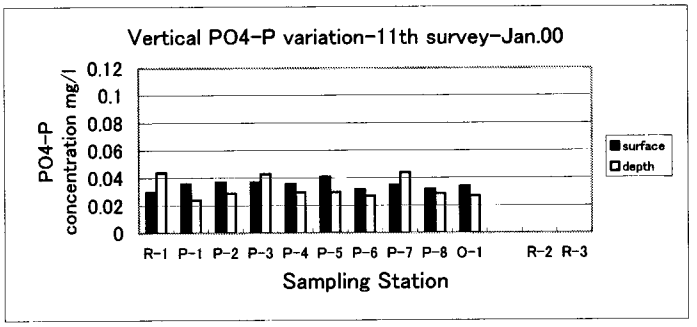
station	surfece	depth
R-1	0.039	0.043
P-1	0.033	0.036
P-2	0.025	0.038
P-3	0.019	0.028
P-4	0.021	0.036
P-5	0.03	0.027
P-6	0.057	0.042
P-7	0.075	0.055
P-8	0.085	0.06
O-1	0.03	0.091
R-2	0.017	
R-3	0.017	



station	surface	depth
R-1	0.03	0.03
P-1	0.04	0.02
P-2	0.04	0.03
P-3	0.04	0.04
P-4	0.03	0.03
P-5	0.04	0.03
P-6	0.03	0.03
P-7	0.04	0.04
P-8	0.03	0.03
O-1	0.04	0.03
R-2		
R-3		



station	surface	depth
R-1	0.03	0.044
P-1	0.036	0.024
P-2	0.037	0.029
P-3	0.037	0.043
P-4	0.036	0.03
P-5	0.041	0.03
P-6	0.032	0.027
P-7	0.035	0.044
P-8	0.032	0.029
O-1	0.034	0.027
R-2		
R-3		



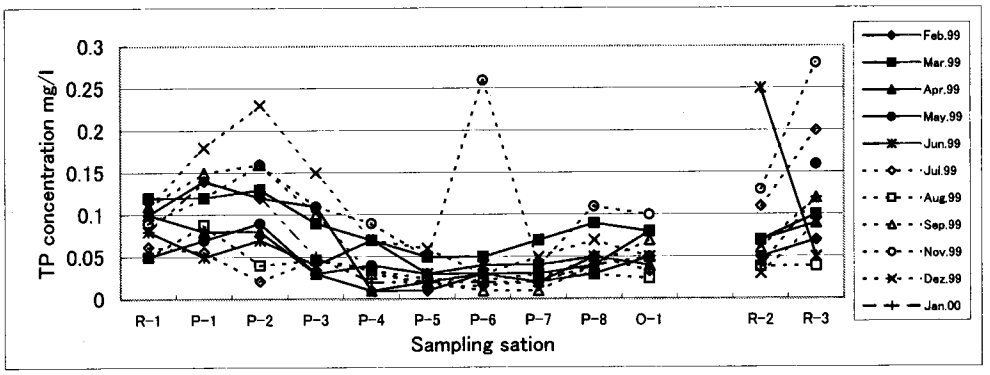
CHE-F-6

TP Variation in Patos Lake

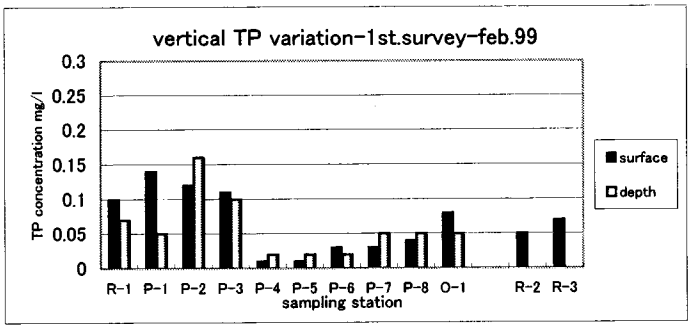
Period:March, 1999-January, 2000

TP VARIATION IN PATOS LAKE Period : Feb.99-Jan.00

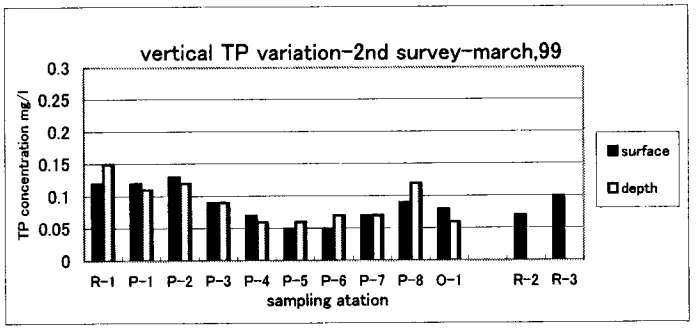
station	Feb.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dez.99	Jan.00
R-1	0.1	0.12	0.1	0.05	0.08	0.062	0.05	0.11	0.09	0.11	0.08
P-1	0.14	0.12	0.08	0.07	0.05	0.056	0.088	0.15	0.12	0.18	0.14
P-2	0.12	0.13	0.08	0.09	0.07	0.021	0.04	0.16	0.16	0.23	0.12
P-3	0.11	0.09	0.03	0.03	0.04	0.047	0.046	0.1	0.11	0.15	0.05
P-4	0.01	0.07	0.01	0.04	0.07	0.036	0.034	0.03	0.09	0.07	0.02
P-5	0.01	0.05	0.02	0.03	0.03	0.014	0.024	0.02	0.05	0.06	0.02
P-6	0.03	0.05	0.03	0.03	0.04	0.016	0.022	0.01	0.26	0.03	0.02
P-7	0.03	0.07	0.02	0.02	0.04	0.021	0.03	0.01	0.04	0.05	0.02
P-8	0.04	0.09	0.05	0.03	0.05	0.051	0.029	0.04	0.11	0.07	0.04
O-1	0.08	0.08	0.04	0.05	0.04	0.033	0.024	0.07	0.1	0.05	0.05
R-2	0.05	0.07	0.07		0.25	0.11	0.038	0.06	0.13	0.03	0.04
R-3	0.07	0.1	0.09	0.16	0.05	0.2	0.039	0.12	0.28	0.09	0.12



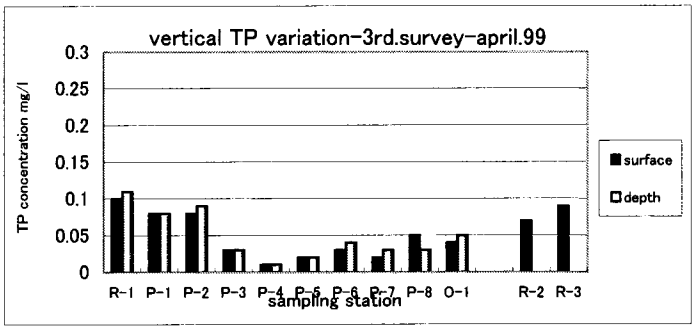
station	surface	depth
R-1	0.1	0.07
P-1	0.14	0.05
P-2	0.12	0.16
P-3	0.11	0.1
P-4	0.01	0.02
P-5	0.01	0.02
P-6	0.03	0.02
P-7	0.03	0.05
P-8	0.04	0.05
O-1	0.08	0.05
R-2	0.05	
R-3	0.07	



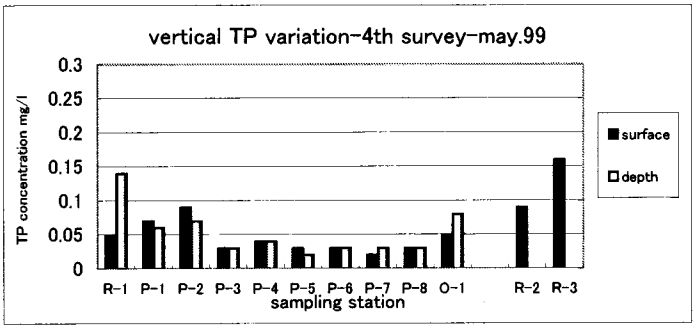
station	surface	depth
R-1	0.12	0.15
P-1	0.12	0.11
P-2	0.13	0.12
P-3	0.09	0.09
P-4	0.07	0.06
P-5	0.05	0.06
P-6	0.05	0.07
P-7	0.07	0.07
P-8	0.09	0.12
O-1	0.08	0.06
R-2	0.07	
R-3	0.1	



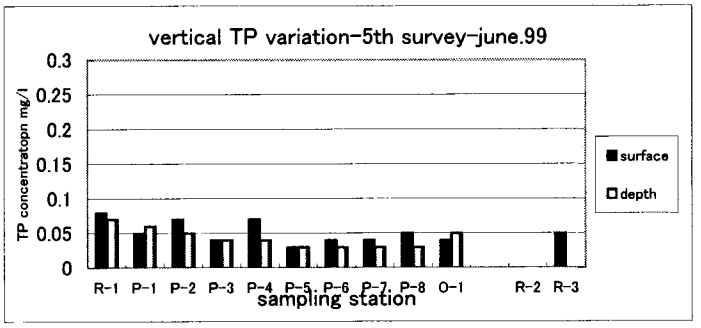
station	surface	depth
R-1	0.1	0.11
P-1	0.08	0.08
P-2	0.08	0.09
P-3	0.03	0.03
P-4	0.01	0.01
P-5	0.02	0.02
P-6	0.03	0.04
P-7	0.02	0.03
P-8	0.05	0.03
O-1	0.04	0.05
R-2	0.07	
R-3	0.09	



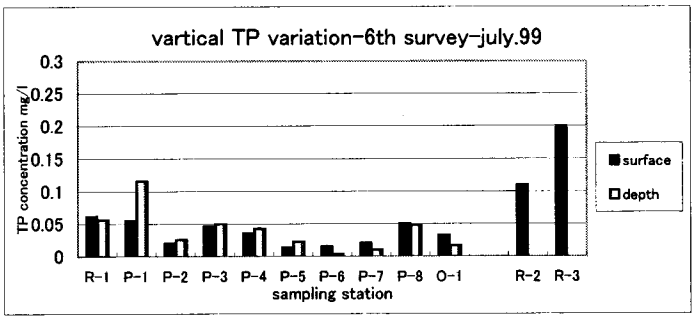
station	surface	depth
R-1	0.05	0.14
P-1	0.07	0.06
P-2	0.09	0.07
P-3	0.03	0.03
P-4	0.04	0.04
P-5	0.03	0.02
P-6	0.03	0.03
P-7	0.02	0.03
P-8	0.03	0.03
O-1	0.05	0.08
R-2	0.09	
R-3	0.16	



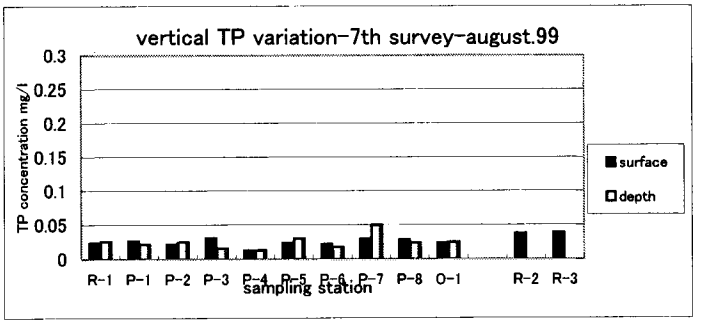
station	surface	depth
R-1	0.08	0.07
P-1	0.05	0.06
P-2	0.07	0.05
P-3	0.04	0.04
P-4	0.07	0.04
P-5	0.03	0.03
P-6	0.04	0.03
P-7	0.04	0.03
P-8	0.05	0.03
O-1	0.04	0.05
R-2		
R-3	0.05	



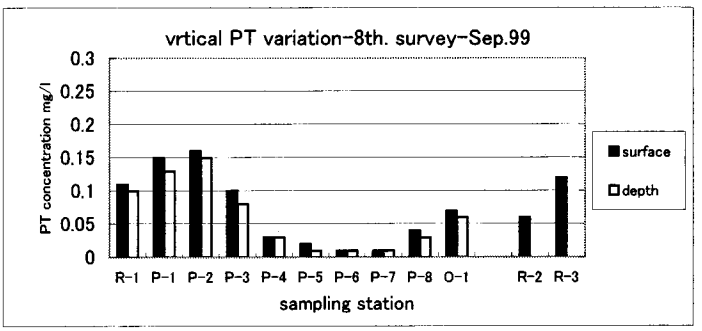
Staion	surface	depth
R-1	0.062	0.057
P-1	0.056	0.116
P-2	0.021	0.026
P-3	0.047	0.05
P-4	0.036	0.043
P-5	0.014	0.023
P-6	0.016	0.004
P-7	0.021	0.011
P-8	0.051	0.048
O-1	0.033	0.017
R-2	0.11	
R-3	0.2	



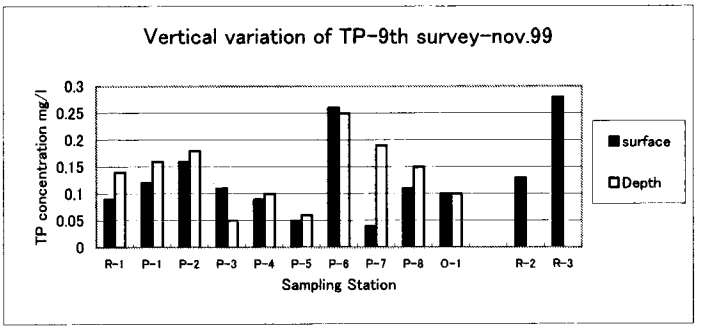
station	surface	depth
R-1	0.024	0.026
P-1	0.027	0.022
P-2	0.022	0.025
P-3	0.031	0.016
P-4	0.013	0.013
P-5	0.024	0.03
P-6	0.022	0.018
P-7	0.03	0.05
P-8	0.029	0.024
O-1	0.024	0.025
R-2	0.038	
R-3	0.039	



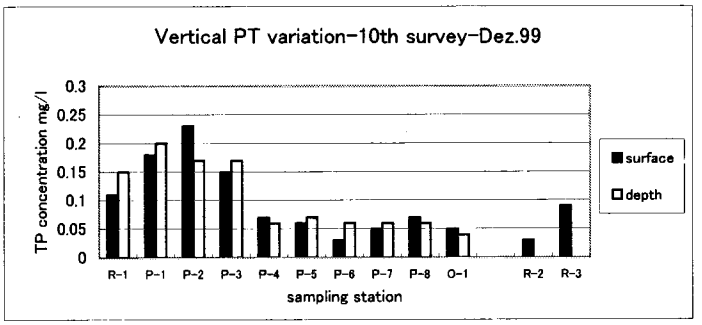
Station	surface	depth
R-1	0.11	0.1
P-1	0.15	0.13
P-2	0.16	0.15
P-3	0.1	0.08
P-4	0.03	0.03
P-5	0.02	0.01
P-6	0.01	0.01
P-7	0.01	0.01
P-8	0.04	0.03
O-1	0.07	0.06
R-2	0.06	
R-3	0.12	



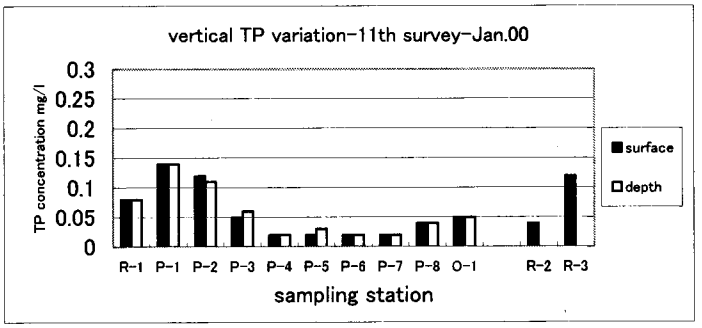
station	surface	Depth
R-1	0.09	0.14
P-1	0.12	0.16
P-2	0.16	0.18
P-3	0.11	0.05
P-4	0.09	0.1
P-5	0.05	0.06
P-6	0.26	0.25
P-7	0.04	0.19
P-8	0.11	0.15
O-1	0.1	0.1
R-2	0.13	
R-3	0.28	



station	surface	depth
R-1	0.11	0.15
P-1	0.18	0.2
P-2	0.23	0.17
P-3	0.15	0.17
P-4	0.07	0.06
P-5	0.06	0.07
P-6	0.03	0.06
P-7	0.05	0.06
P-8	0.07	0.06
O-1	0.05	0.04
R-2	0.03	
R-3	0.09	



station	surface	depth
R-1	0.08	0.08
P-1	0.14	0.14
P-2	0.12	0.11
P-3	0.05	0.06
P-4	0.02	0.02
P-5	0.02	0.03
P-6	0.02	0.02
P-7	0.02	0.02
P-8	0.04	0.04
O-1	0.05	0.05
R-2	0.04	
R-3	0.12	



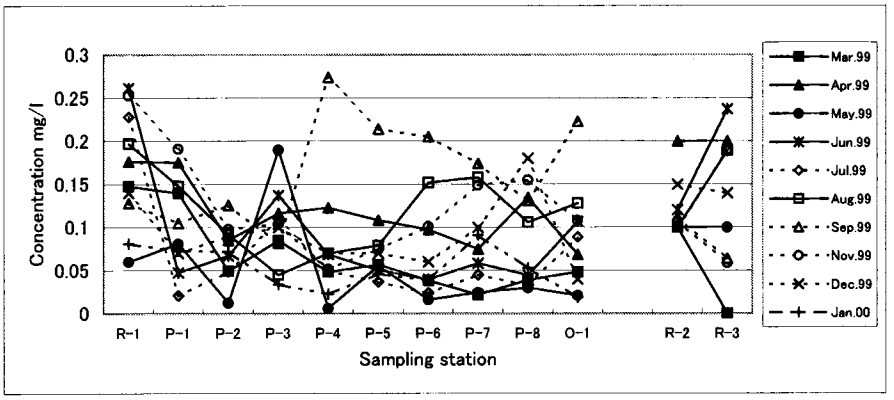
CHE-F-7

NH_4-N Variation in Patos Lake

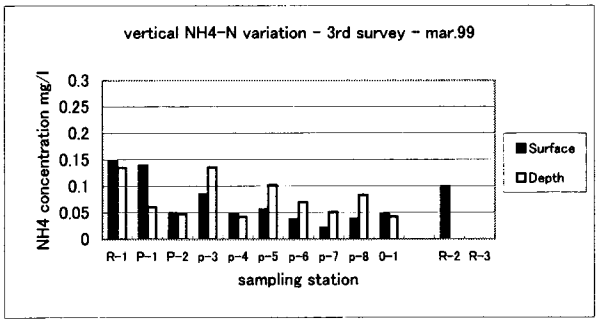
Period:March, 1999-January, 2000

NH4-N VARIATION IN PATOS LAKE Period: Feb.99-Jan.00

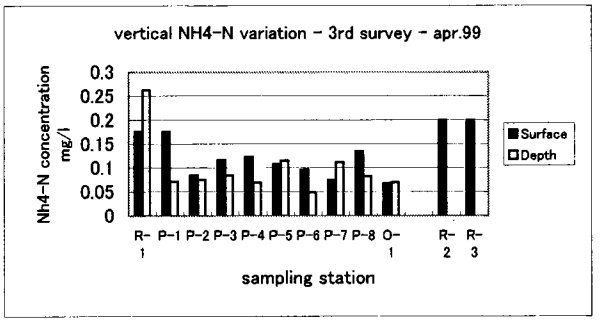
station	2nd.survey Mar.99	3rd.survey Apr.99	4th.survey May.99	5th.survey Jun.99	6th.survey Jul.99	7th.survey Aug.99	8th survey Sep.99	9th survey Nov.99	10th survey Dec.99	11th survey Jan.00
R-1	0.1475	0.1764	0.06	0.2616	0.228	0.197	0.128	0.253	0.14	0.081
P-1	0.14	0.1754	0.081	0.0476	0.021	0.148	0.105	0.191	0.07	0.073
P-2	0.0495	0.0851	0.0127	0.0673	0.049	0.092	0.126	0.098	0.09	0.072
P-3	0.0849	0.1166	0.19	0.1371	0.11	0.045	0.082	0.104	0.1	0.034
P-4	0.0485	0.1227	0.0064	0.0688	0.05	0.07	0.274	0.052	0.07	0.023
P-5	0.0569	0.1084	0.0555	0.0506	0.037	0.079	0.214	0.075	0.07	0.046
P-6	0.0382	0.0973	0.0164	0.04	0.024	0.152	0.205	0.101	0.06	0.039
P-7	0.0218	0.075	0.0245	0.0582	0.045	0.158	0.174	0.149	0.1	0.091
P-8	0.0392	0.1348	0.03	0.0445	0.033	0.106	0.131	0.155	0.18	0.053
O-1	0.0485	0.0685	0.021	0.1068	0.089	0.128	0.223	0.108	0.04	0.019
R-2	0.1	0.2	0.1	0.1204	0.1	0.1	0.111	0.107	0.15	
R-3	0	0.2	0.1	0.2373	0.189	0.189	0.064	0.059	0.14	



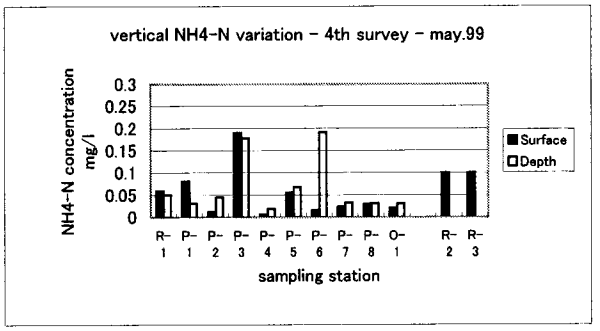
Station	Surface	Depth
R-1	0.1475	0.1353
P-1	0.14	0.0616
P-2	0.0495	0.0476
p-3	0.0849	0.1363
p-4	0.0485	0.042
p-5	0.0569	0.1027
p-6	0.0382	0.07
p-7	0.0218	0.0513
p-8	0.0392	0.084
0-1	0.0485	0.0429
R-2	0.1	
R-3	0	



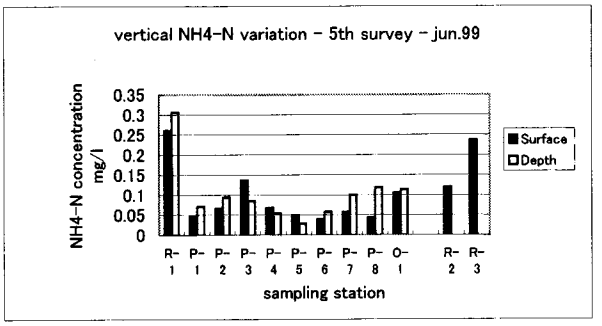
Station	Surface	Depth
R-1	0.1764	0.2627
P-1	0.1754	0.0719
P-2	0.0851	0.076
P-3	0.1166	0.0851
P-4	0.1227	0.0699
P-5	0.1084	0.1156
P-6	0.0973	0.0496
P-7	0.075	0.1125
P-8	0.1348	0.0831
O-1	0.0685	0.0699
R-2	0.2	
R-3	0.2	



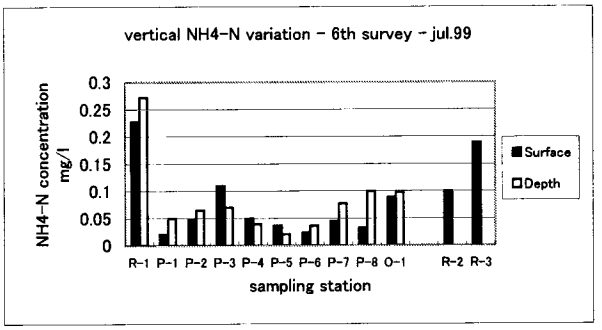
station	Surface	Depth
R-1	0.06	0.0509
P-1	0.0809	0.0318
P-2	0.0127	0.0455
P-3	0.19	0.1782
P-4	0.0064	0.0191
P-5	0.0555	0.0682
P-6	0.0164	0.1918
P-7	0.0245	0.0327
P-8	0.03	0.0318
O-1	0.0209	0.0309
R-2	0.1	
R-3	0.1	



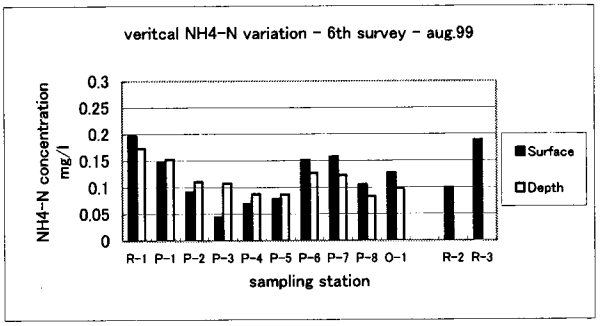
station	Surface	Depth
R-1	0.2616	0.3071
P-1	0.0476	0.0719
P-2	0.0673	0.0946
P-3	0.1371	0.0855
P-4	0.0688	0.0552
P-5	0.0506	0.0294
P-6	0.04	0.0582
P-7	0.0582	0.1007
P-8	0.0445	0.1189
O-1	0.106	0.1143
R-2	0.1204	
R-3	0.2373	



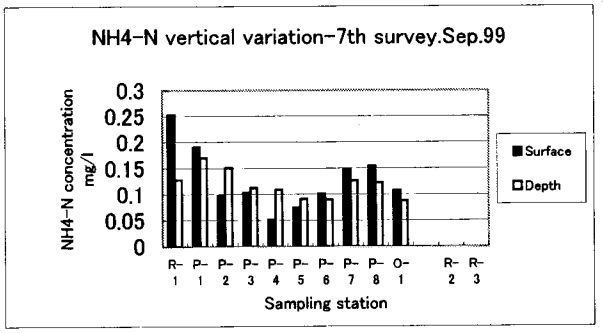
station	Surface	Depth
R-1	0.228	0.272
P-1	0.021	0.05
P-2	0.049	0.065
P-3	0.11	0.07
P-4	0.05	0.04
P-5	0.037	0.021
P-6	0.024	0.036
P-7	0.045	0.077
P-8	0.033	0.1
O-1	0.089	0.098
R-2	0.1	
R-3	0.189	



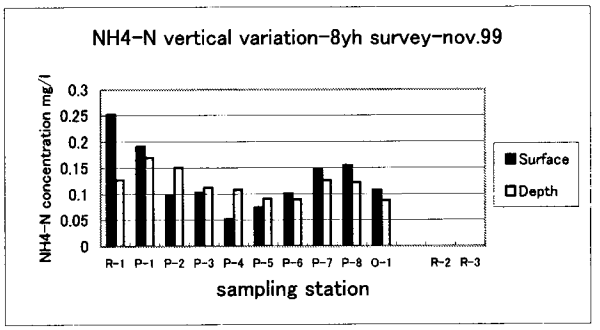
station	Surface	Depth
R-1	0.197	0.174
P-1	0.148	0.153
P-2	0.092	0.111
P-3	0.045	0.108
P-4	0.07	0.088
P-5	0.079	0.087
P-6	0.152	0.127
P-7	0.158	0.123
P-8	0.106	0.084
O-1	0.128	0.099
R-2	0.1	
R-3	0.189	



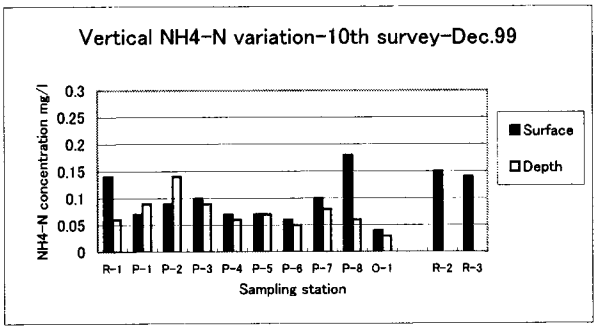
Station	Surface	Depth
R-1	0.253	0.128
P-1	0.191	0.17
P-2	0.098	0.151
P-3	0.104	0.113
P-4	0.052	0.109
P-5	0.075	0.091
P-6	0.101	0.09
P-7	0.149	0.127
P-8	0.155	0.123
O-1	0.108	0.088
R-2		
R-3		



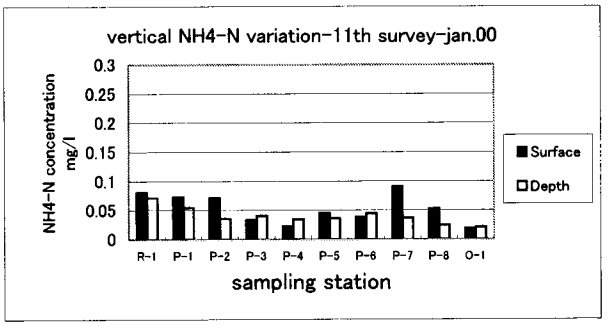
Station	Surface	Depth
R-1	0.253	0.128
P-1	0.191	0.17
P-2	0.098	0.151
P-3	0.104	0.113
P-4	0.052	0.109
P-5	0.075	0.091
P-6	0.101	0.09
P-7	0.149	0.127
P-8	0.155	0.123
O-1	0.108	0.088
R-2		
R-3		



station	Surface	Depth
R-1	0.14	0.06
P-1	0.07	0.09
P-2	0.09	0.14
P-3	0.1	0.09
P-4	0.07	0.06
P-5	0.07	0.07
P-6	0.06	0.05
P-7	0.1	0.08
P-8	0.18	0.06
O-1	0.04	0.03
R-2	0.15	
R-3	0.14	



satation	Surface	Depth
R-1	0.081	0.072
P-1	0.073	0.055
P-2	0.072	0.036
P-3	0.034	0.041
P-4	0.023	0.035
P-5	0.046	0.037
P-6	0.039	0.045
P-7	0.091	0.037
P-8	0.053	0.025
O-1	0.019	0.021



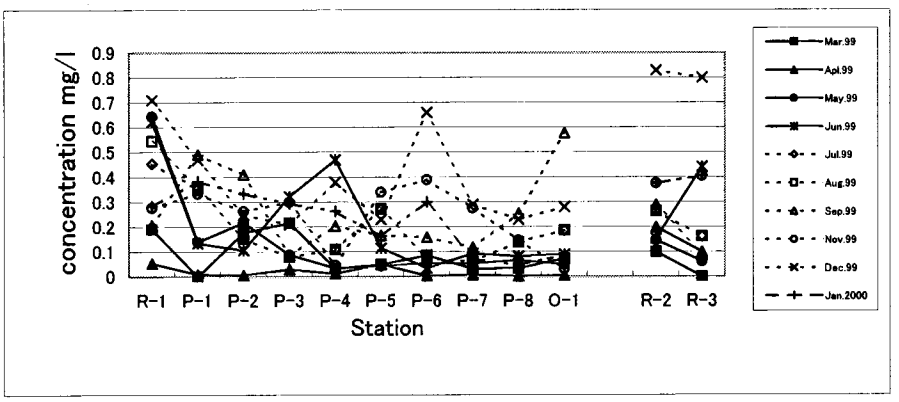
CHE-F-8

NO_3-N Variation in Patos Lake

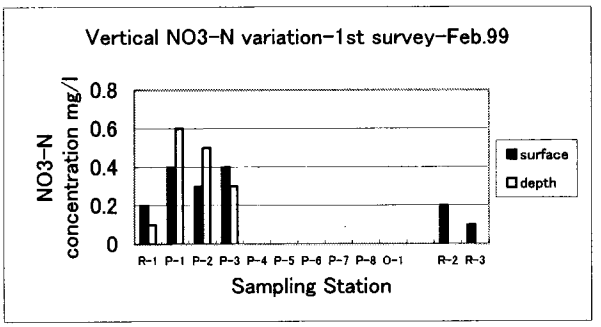
Period:March, 1999-January, 2000

NO3-N VARIATIN IN PATOS LAKE Period : Mar.99-Jan.00

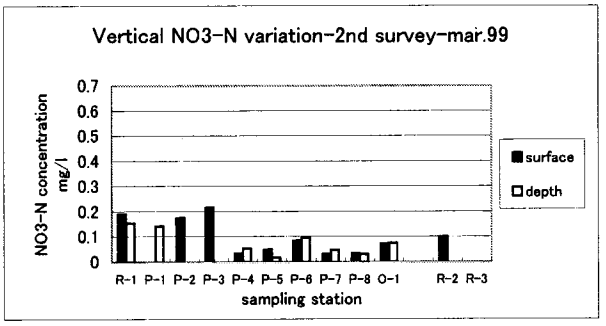
station	Mar.99	Apl.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dec.99	Jan.2000
R-1	0.1907	0.0536	0.6446	0.6227	0.454	0.545	0.207	0.278	0.71	0.284
P-1	0	0.0088	0.1391	0.134	0.358	0.358	0.491	0.334	0.47	0.384
P-2	0.1761	0.0068	0.2178	0.1067	0.154	0.154	0.411	0.264	0.25	0.334
P-3	0.2158	0.03	0.0889	0.3228	0.079	0.079	0.087	0.301	0.21	0.295
P-4	0.0334	0.0131	0.0346	0.4696	0.11	0.11	0.205	0.047	0.38	0.264
P-5	0.0492	0.0493	0.0434	0.115	0.273	0.273	0.166	0.341	0.23	0.164
P-6	0.0856	0.0041	0.0533	0.0351	0.074	0.074	0.159	0.391	0.66	0.301
P-7	0.0316	0.0072	0.053	0.094	0.062	0.062	0.118	0.276	0.29	0.07
P-8	0.0339	0.0022	0.0655	0.0822	0.14	0.14	0.255	0.147	0.23	0.047
O-1	0.0731	0.0055	0.0493	0.0901	0.187	0.187	0.577	0.032	0.28	0.087
R-2	0.1	0.2	0.1473	0.1538	0.264	0.264	0.289	0.377	0.83	0.377
R-3	0	0.1	0.0617	0.442	0.162	0.162	0.09	0.406	0.8	0.406



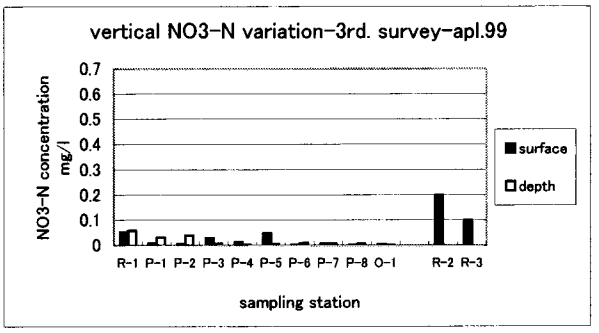
station	surface	depth
R-1	0.2	0.1
P-1	0.4	0.6
P-2	0.3	0.5
P-3	0.4	0.3
P-4		
P-5		
P-6		
P-7		
P-8		
O-1		
R-2	0.2	
R-3	0.1	



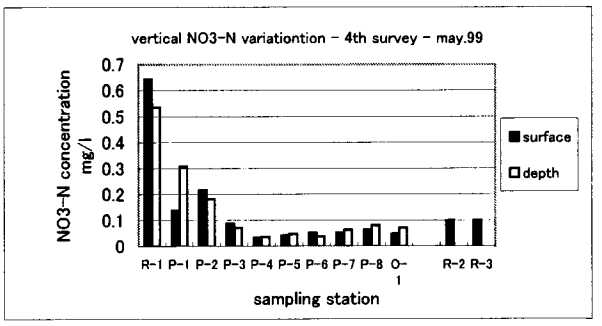
station	surface	depth
R-1	0.1907	0.1534
P-1	0	0.142
P-2	0.1761	0
P-3	0.2158	0
P-4	0.0334	0.0531
P-5	0.0492	0.0175
P-6	0.0856	0.097
P-7	0.0316	0.0469
P-8	0.0339	0.0307
O-1	0.0731	0.0749
R-2	0.1	
R-3	0	



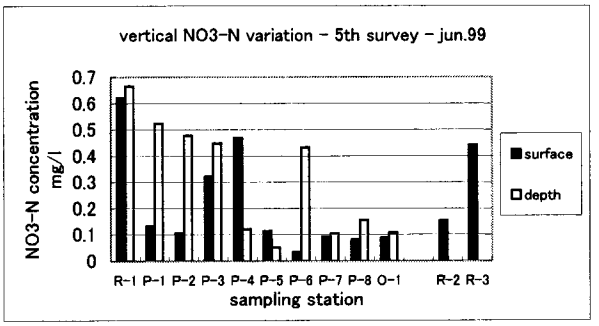
station	surface	depth
R-1	0.0536	0.0595
P-1	0.0088	0.0324
P-2	0.0068	0.0394
P-3	0.03	0.0078
P-4	0.0131	0.0036
P-5	0.0493	0.0063
P-6	0.0041	0.0084
P-7	0.0072	0.0074
P-8	0.0022	0.0058
O-1	0.0055	0.003
R-2	0.2	
R-3	0.1	



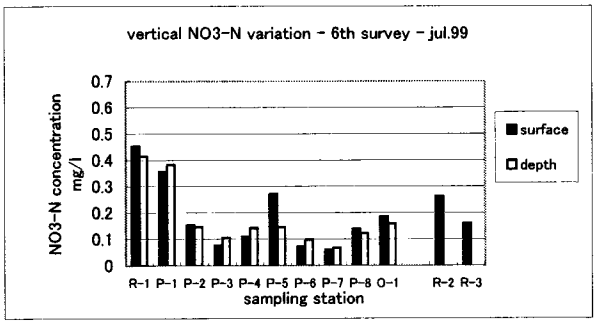
station	surface	depth
R-1	0.6446	0.5364
P-1	0.1391	0.3092
P-2	0.2178	0.1833
P-3	0.0889	0.0722
P-4	0.0346	0.0371
P-5	0.0434	0.0481
P-6	0.0533	0.0397
P-7	0.053	0.0635
P-8	0.0655	0.0807
O-1	0.0493	0.0711
R-2	0.1	
R-3	0.1	



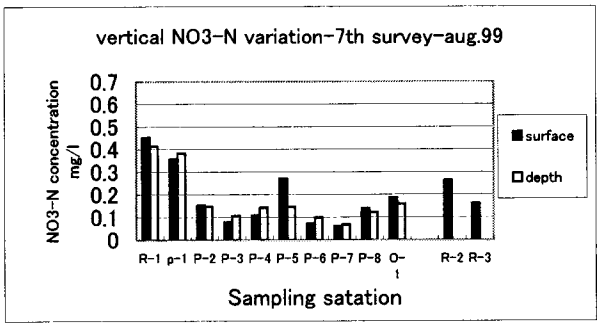
station	surface	depth
R-1	0.6227	0.6656
P-1	0.134	0.5242
P-2	0.1067	0.4781
P-3	0.3228	0.4499
P-4	0.4696	0.1225
P-5	0.1155	0.0521
P-6	0.0351	0.4332
P-7	0.094	0.1055
P-8	0.0822	0.1564
O-1	0.0901	0.109
R-2	0.1538	
R-3	0.442	



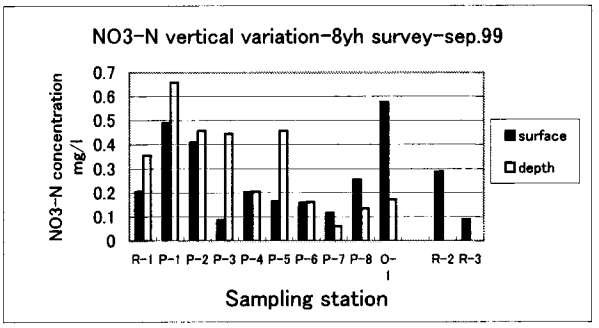
station	surface	depth
R-1	0.454	0.415
P-1	0.358	0.384
P-2	0.154	0.148
P-3	0.079	0.106
P-4	0.11	0.144
P-5	0.273	0.147
P-6	0.074	0.099
P-7	0.062	0.068
P-8	0.14	0.123
O-1	0.187	0.16
R-2	0.264	
R-3	0.162	



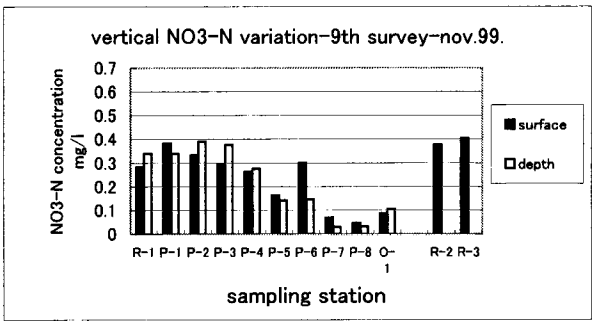
Station	surface	depth
R-1	0.454	0.415
p-1	0.358	0.384
P-2	0.154	0.148
P-3	0.079	0.106
P-4	0.11	0.144
P-5	0.273	0.147
P-6	0.074	0.099
P-7	0.062	0.068
P-8	0.14	0.123
O-1	0.187	0.16
R-2	0.264	
R-3	0.162	



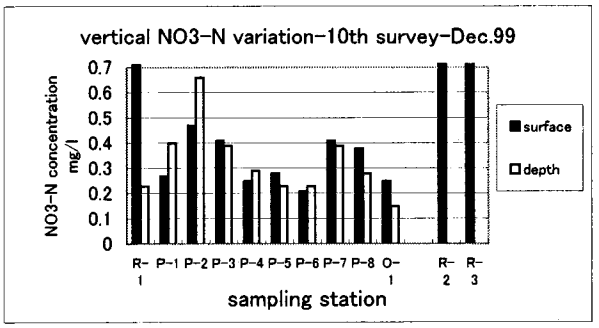
Station	surface	depth
R-1	0.207	0.356
P-1	0.491	0.66
P-2	0.411	0.459
P-3	0.087	0.446
P-4	0.205	0.205
P-5	0.166	0.458
P-6	0.159	0.162
P-7	0.118	0.062
P-8	0.255	0.135
O-1	0.577	0.174
R-2	0.289	
R-3	0.09	



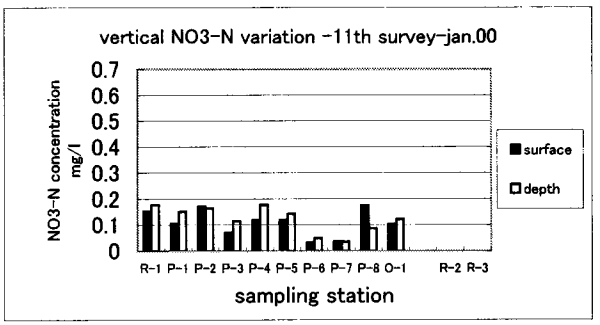
station	surface	depth
R-1	0.284	0.341
P-1	0.384	0.34
P-2	0.334	0.391
P-3	0.295	0.378
P-4	0.264	0.276
P-5	0.164	0.143
P-6	0.301	0.147
P-7	0.07	0.029
P-8	0.047	0.032
O-1	0.087	0.105
R-2	0.377	
R-3	0.406	



station	surface	depth
R-1	0.71	0.23
P-1	0.27	0.4
P-2	0.47	0.66
P-3	0.41	0.39
P-4	0.25	0.29
P-5	0.28	0.23
P-6	0.21	0.23
P-7	0.41	0.39
P-8	0.38	0.28
O-1	0.25	0.15
R-2	0.83	
R-3	0.8	



station	surface	depth
R-1	0.155	0.178
P-1	0.107	0.152
P-2	0.172	0.165
P-3	0.071	0.115
P-4	0.12	0.178
P-5	0.12	0.144
P-6	0.034	0.049
P-7	0.037	0.036
P-8	0.175	0.088
O-1	0.104	0.123
R-2		
R-3		



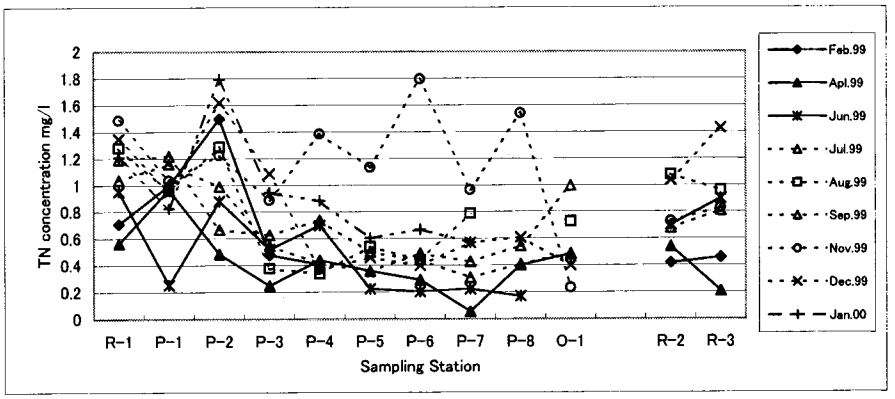
CHE-F-9

TN Variation in Patos Lake

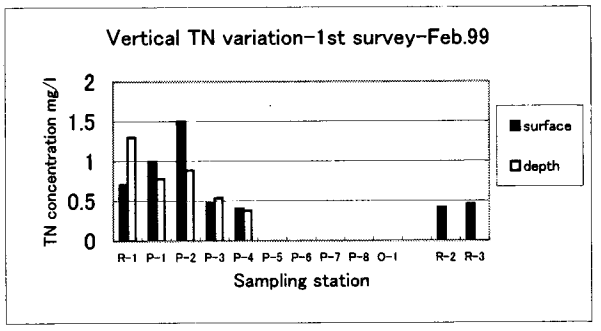
Period:March, 1999-January, 2000

TN VARIATION IN PATOS LAKE Period: Feb.99-Jan.00

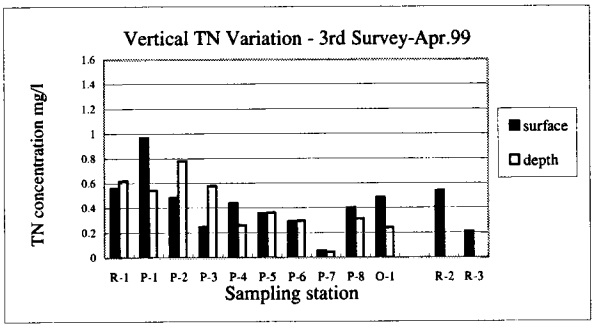
station	Feb.99	Apl.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dec.99	Jan.00
R-1	0.71	0.564	0.953	1.194	1.28	1.039	1.49	1.35	1.212
P-1	1	0.969	0.254	1.22	0.96	1.162	1.04	0.95	0.828
P-2	1.5	0.487	0.881	0.67	1.29	0.992	1.228	1.62	1.794
P-3	0.48	0.25	0.523	0.63	0.38	0.548	0.891	1.09	0.946
P-4	0.41	0.441	0.7	0.74	0.34	0.417	1.387	0.37	0.885
P-5		0.36	0.226	0.5	0.54	0.357	1.138	0.46	0.606
P-6		0.294	0.205	0.44	0.44	0.49	1.797	0.4	0.67
P-7		0.057	0.224	0.31	0.79	0.429	0.967	0.57	0.573
P-8		0.402	0.172	0.41		0.545	1.543	0.61	
O-1		0.486		0.49	0.73	0.999	0.235	0.4	0.448
R-2	0.42	0.54	0.704	0.68	1.08		0.732	1.04	
R-3	0.46	0.21	0.902	0.81	0.962		0.831	1.43	



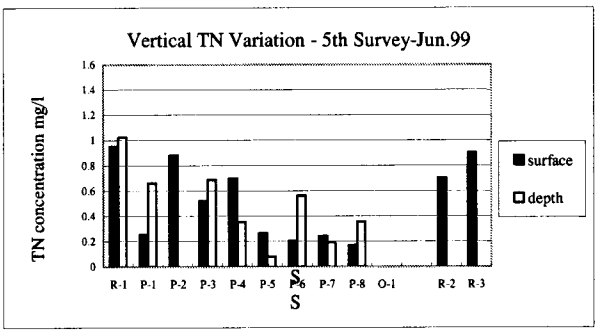
station	surface	depth
R-1	0.71	1.3
P-1	1	0.78
P-2	1.5	0.89
P-3	0.48	0.54
P-4	0.41	0.38
P-5		
P-6		
P-7		
P-8		
O-1		
R-2	0.42	
R-3	0.46	



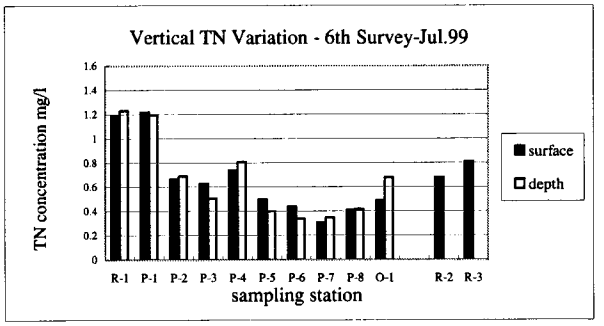
station	surface	depth
R-1	0.56	0.62
P-1	0.969	0.542
P-2	0.487	0.78
P-3	0.25	0.58
P-4	0.441	0.264
P-5	0.36	0.364
P-6	0.294	0.298
P-7	0.057	0.047
P-8	0.402	0.316
O-1	0.486	0.243
R-2	0.54	
R-3	0.21	



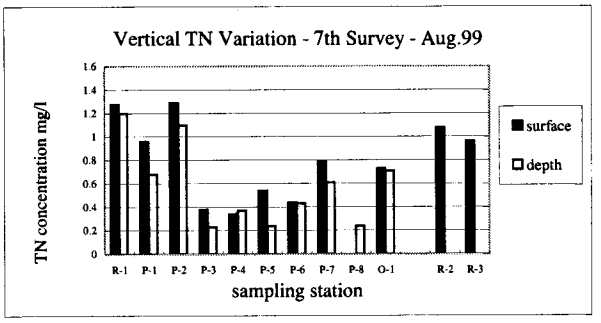
station	surface	depth
R-1	0.953	1.026
P-1	0.256	0.664
P-2	0.881	
P-3	0.523	0.69
P-4	0.7	0.353
P-5	0.266	0.0821
P-6	0.205	0.563
P-7	0.244	0.196
P-8	0.172	0.356
O-1		
R-2	0.704	
R-3	0.902	



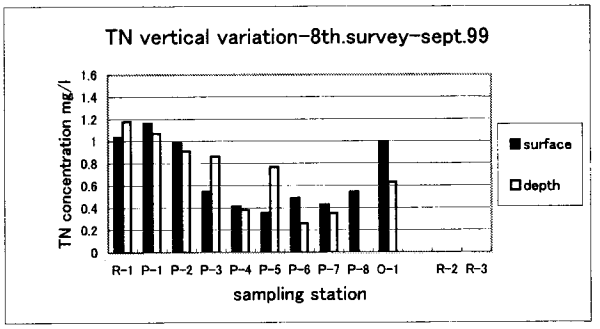
station	surface	depth
R-1	1.194	1.23
P-1	1.22	1.197
P-2	0.67	0.69
P-3	0.63	0.51
P-4	0.74	0.81
P-5	0.5	0.4
P-6	0.44	0.34
P-7	0.31	0.35
P-8	0.41	0.42
O-1	0.49	0.68
R-2	0.68	
R-3	0.81	



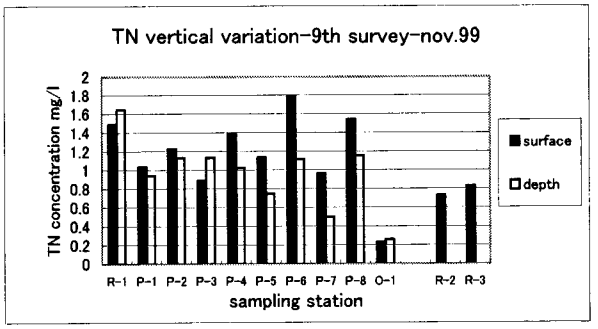
station	surface	depth
R-1	1.28	1.2
P-1	0.96	0.68
P-2	1.29	1.1
P-3	0.38	0.23
P-4	0.34	0.37
P-5	0.54	0.24
P-6	0.44	0.43
P-7	0.79	0.61
P-8		0.24
O-1	0.73	0.71
R-2	1.08	
R-3	0.962	



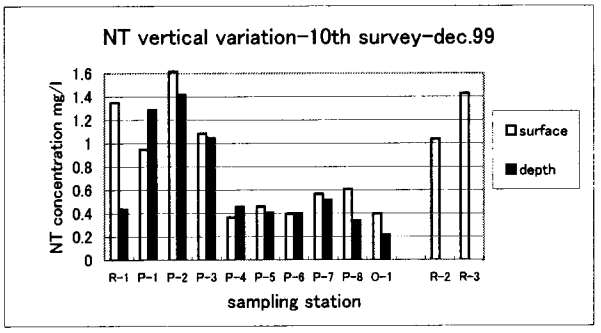
station	surface	depth
R-1	1.039	1.178
P-1	1.162	1.072
P-2	0.992	0.911
P-3	0.548	0.867
P-4	0.417	0.385
P-5	0.357	0.768
P-6	0.49	0.262
P-7	0.429	0.352
P-8	0.545	
O-1	0.999	0.634
R-2		
R-3		



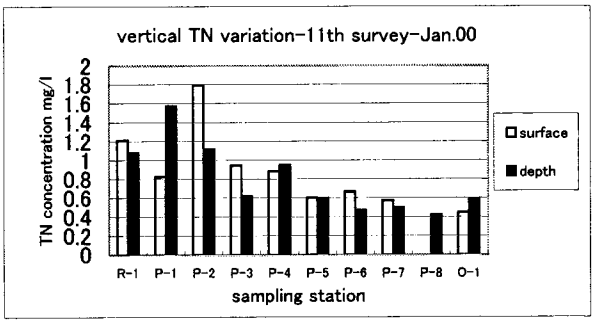
station	surface	depth
R-1	1.49	1.65
P-1	1.039	0.946
P-2	1.228	1.135
P-3	0.891	1.133
P-4	1.387	1.028
P-5	1.138	0.748
P-6	1.797	1.121
P-7	0.967	0.506
P-8	1.543	1.158
O-1	0.235	0.262
R-2	0.732	
R-3	0.831	



station	surface	depth
R-1	1.35	0.44
P-1	0.95	1.29
P-2	1.62	1.42
P-3	1.09	1.05
P-4	0.37	0.46
P-5	0.46	0.41
P-6	0.4	0.4
P-7	0.57	0.52
P-8	0.61	0.34
O-1	0.4	0.22
R-2	1.04	
R-3	1.43	



station	surface	depth
R-1	1.212	1.083
P-1	0.828	1.576
P-2	1.794	1.123
P-3	0.946	0.62
P-4	0.885	0.952
P-5	0.606	0.601
P-6	0.67	0.473
P-7	0.573	0.502
P-8		0.423
O-1	0.448	0.596



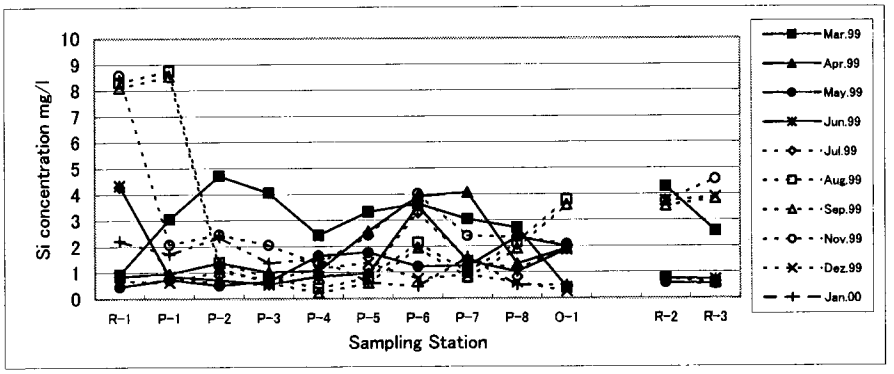
CHE-F-10

Si Variation in Patos Lake

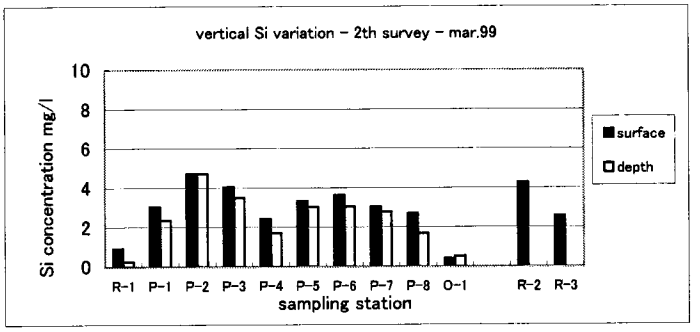
Period:February, 1999-January, 2000

Si VARIATION IN PATOS LAKE Period: Mar.99-Jan.00

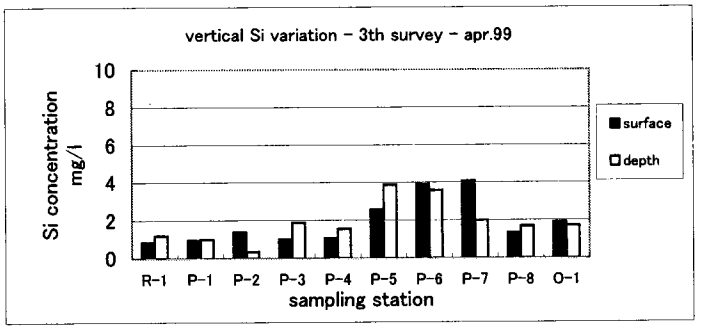
station	Mar.99	Apr.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dez.99	Jan.00
R-1	0.9444	0.854	0.4625	4.35	4.3	8.324	8.11	8.6	0.7	2.23
P-1	3.0601	0.966	0.7525	0.86	0.839	8.767	8.559	2.1	0.64	1.71
P-2	4.7233	1.386	0.5178	0.72	0.589	1.393	1.185	2.47	1.07	2.38
P-3	4.0681	1.022	0.6558	0.55	0.561	0.839	0.631	2.07	0.71	1.37
P-4	2.4385	1.064	1.6499	0.84	0.88	0.409	0.215	1.34	1.16	1.55
P-5	3.3289	2.5844	1.7742	0.97	0.971	0.811	0.603	2.45	1.39	0.63
P-6	3.6397	3.9172	1.2357	3.56	3.292	2.155	1.948	4.03	0.76	0.46
P-7	3.0517	4.0852	1.2357	1.44	1.504	1.033	0.825	2.42	0.92	1.6
P-8	2.7157	1.3356	2.3679	1.03	1.116	2.169	1.92	2.36	0.63	0.52
O-1	0.4152	1.9292	2.0089	1.88	1.948	3.805	3.597	2.09	0.28	0.52
R-2	4.2949		0.6006	0.77	0.783	0.783	3.555	3.75	3.75	
R-3	2.5897		0.5454	0.72	0.589	0.589	3.819	4.58	3.89	



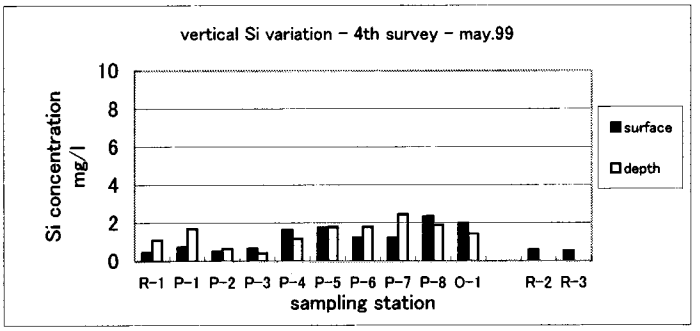
station	surface	depth
R-1	0.9444	0.2668
P-1	3.0601	2.3797
P-2	4.7233	4.7233
P-3	4.0681	3.5053
P-4	2.4385	1.7312
P-5	3.3289	3.0349
P-6	3.6397	3.0545
P-7	3.0517	2.7913
P-8	2.7157	1.6948
O-1	0.4152	0.53
R-2	4.2949	
R-3	2.5897	



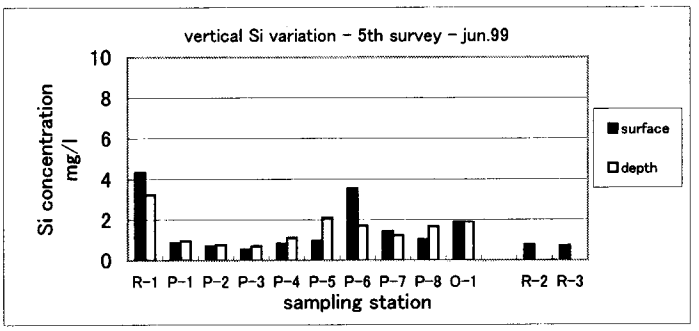
station	surface	depth
R-1	0.854	1.204
P-1	0.966	0.994
P-2	1.386	0.364
P-3	1.022	1.904
P-4	1.064	1.554
P-5	2.5844	3.8836
P-6	3.9172	3.6036
P-7	4.0852	1.9964
P-8	1.3356	1.7052
O-1	1.9292	1.7556



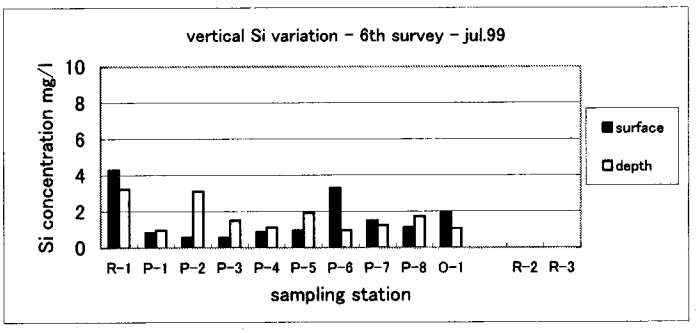
station	surface	depth
R-1	0.4625	1.0976
P-1	0.7525	1.7051
P-2	0.5178	0.642
P-3	0.6558	0.4211
P-4	1.6499	1.1943
P-5	1.7742	1.8018
P-6	1.2357	1.8018
P-7	1.2357	2.4645
P-8	2.3679	1.926
O-1	2.0089	1.429
R-2	0.6006	
R-3	0.5454	



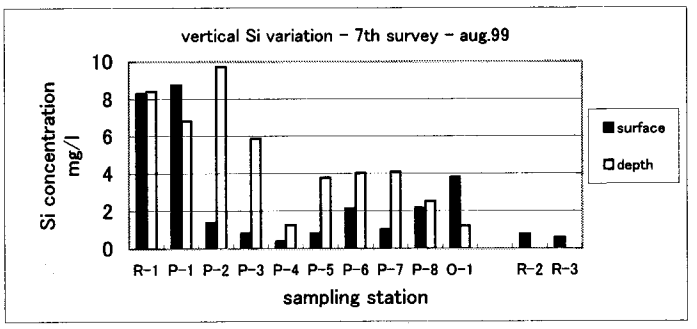
station	surface	depth
R-1	4.35	3.24
P-1	0.86	0.96
P-2	0.72	0.77
P-3	0.55	0.7
P-4	0.84	1.11
P-5	0.97	2.11
P-6	3.56	1.72
P-7	1.44	1.24
P-8	1.03	1.69
O-1	1.88	1.9
R-2	0.77	
R-3	0.72	



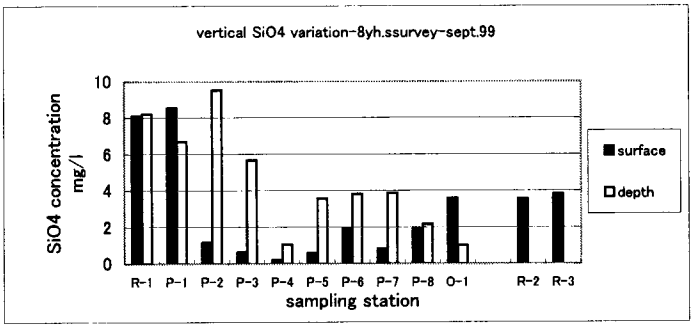
station	surface	depth
R-1	4.304	3.251
P-1	0.839	0.963
P-2	0.589	3.126
P-3	0.561	1.504
P-4	0.88	1.116
P-5	0.971	1.948
P-6	3.292	0.977
P-7	1.504	1.241
P-8	1.116	1.739
O-1	1.948	1.066
R-2	0.007	
R-3	0.005	



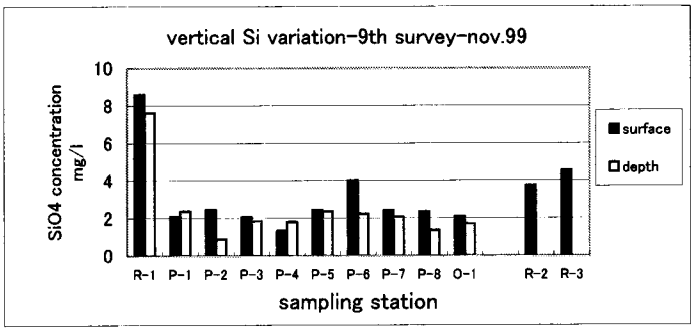
station	surface	depth
R-1	8.324	8.421
P-1	8.767	6.813
P-2	1.393	9.724
P-3	0.839	5.884
P-4	0.409	1.268
P-5	0.811	3.791
P-6	2.155	4.027
P-7	1.033	4.096
P-8	2.169	2.53
O-1	3.805	1.227
R-2	0.783	
R-3	0.589	



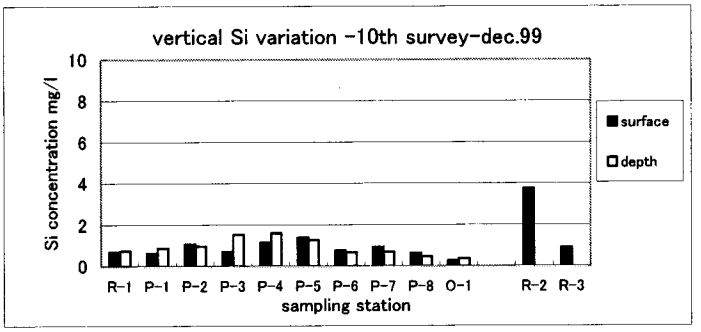
Station	surface	depth
R-1	8.116	8.213
P-1	8.559	6.702
P-2	1.185	9.516
P-3	0.631	5.676
P-4	0.215	1.06
P-5	0.603	3.583
P-6	1.948	3.819
P-7	0.825	3.888
P-8	1.92	2.169
O-1	3.597	1.019
R-2	3.555	
R-3	3.819	



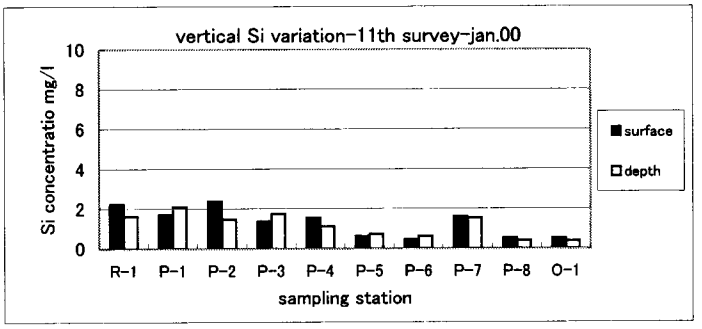
station	surface	depth
R-1	8.6	7.63
P-1	2.1	2.38
P-2	2.47	0.89
P-3	2.07	1.86
P-4	1.34	1.81
P-5	2.45	2.38
P-6	4.03	2.24
P-7	2.42	2.09
P-8	2.36	1.39
O-1	2.09	1.71
R-2	3.75	
R-3	4.58	



station	surface	depth
R-1	0.7	0.74
P-1	0.64	0.87
P-2	1.07	0.98
P-3	0.71	1.53
P-4	1.16	1.61
P-5	1.39	1.27
P-6	0.76	0.67
P-7	0.92	0.7
P-8	0.63	0.46
O-1	0.28	0.37
R-2	3.75	
R-3	0.89	



station	surface	depth
R-1	2.23	1.63
P-1	1.71	2.09
P-2	2.38	1.47
P-3	1.37	1.74
P-4	1.55	1.12
P-5	0.63	0.74
P-6	0.46	0.63
P-7	1.6	1.53
P-8	0.52	0.42
O-1	0.52	0.38



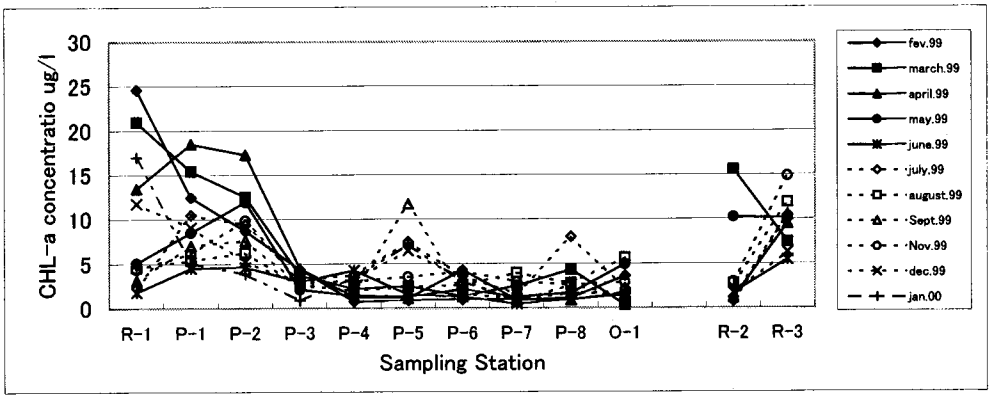
CHE-F-11

Chl-a Variation in Patos Lake

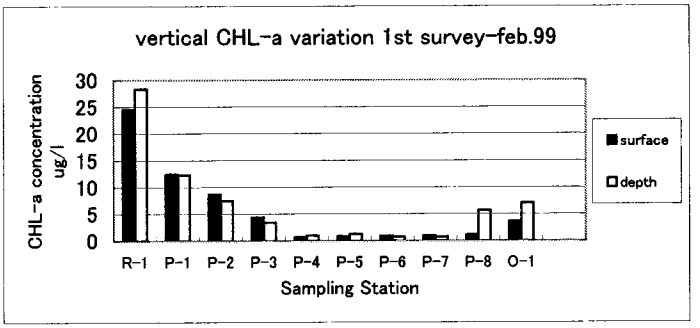
Period:February, 1999-January, 2000

CHLOROPHYLL-a VARIATIN IN PATOS LAKE Period : Feb.99-Jan.00

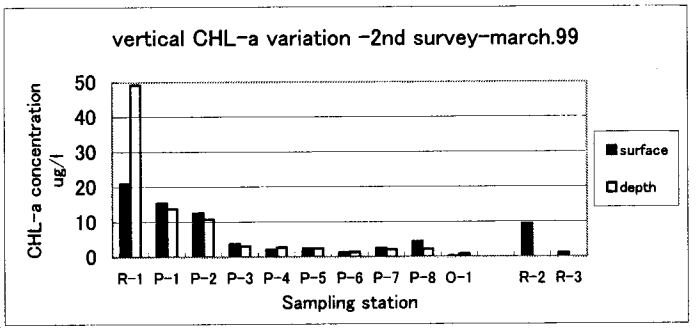
Station	1st.survey fev.99	2nd.survey march.99	3rd.survey april.99	4th. Surve may.99	5th.suvey june.99	6th. Surve july,99	7th.survey august.99	8th.survey Sept.99	9th.survey Nov.99	10th.surv. dec.99	jan.00
R-1	24.6	20.98	13.48	5.12	1.83	2.35	4.6	3.15	4.43	11.8	17
P-1	12.5	15.42	18.5	8.53	4.52	10.5	5.43	7.08	6.2	9.13	5.12
P-2	8.72	12.57	17.28	11.97	4.64	9.45	6.28	7.66	9.9	5.31	3.86
P-3	4.39	3.73	4.48	2.13	3.01	3.2	2.62	2.72	3.02	2.72	0.9
P-4	0.74	2.18	1.3	1.42	4.27	3.78	2	1.94	3.05	3.27	3.48
P-5	0.89	2.48	1.14	1.29	1.55	7.5	2.43	11.76	3.54	6.48	7.21
P-6	0.98	1.38	4.32	2.13	1.29	3.63	2.63	1.59	4.15	3.29	3.02
P-7	0.97	2.5	0.93	1.3	0.51	1.61	4	1.14	3.01	0.65	0.94
P-8	1.15	4.35	0.88	1.69	0.96	8.05	2.8	1.76	2.66	2.64	1.69
O-1	3.61	0.31	1.52	4.95	1.6	2.19	5.66	1.69	2.91	1.34	1.57
R-2		15.6	1.14	10.28	1.73	0.8	2.78	1.3	2.98	1.73	
R-3		7.45	9.5	10.13	5.45	10.45	11.9	10.5	14.9	6.31	



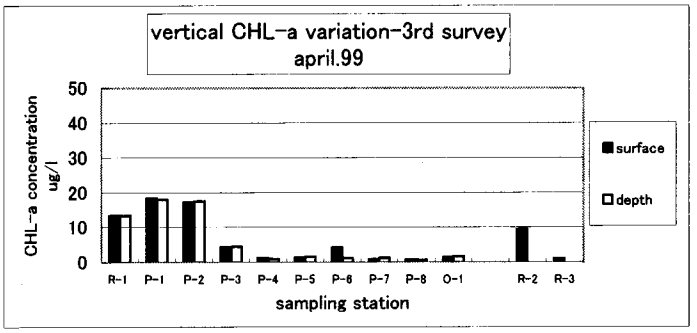
station	surface	depth
R-1	24.6	28.37
P-1	12.5	12.37
P-2	8.72	7.46
P-3	4.39	3.42
P-4	0.74	1.01
P-5	0.89	1.28
P-6	0.98	0.75
P-7	0.97	0.76
P-8	1.15	5.69
O-1	3.61	7.06
R-2		
R-3		



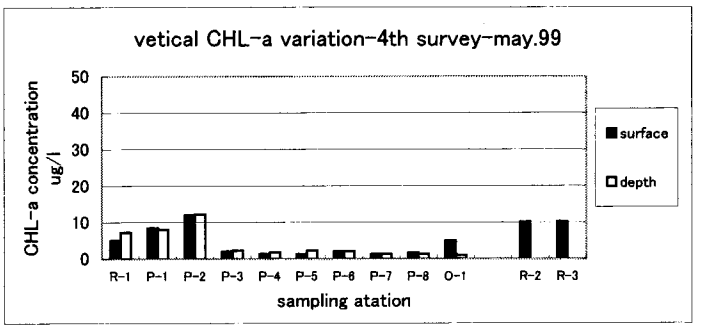
station	surface	depth
R-1	20.98	49.24
P-1	15.42	13.78
P-2	12.57	10.83
P-3	3.73	3.14
P-4	2.18	2.74
P-5	2.48	2.45
P-6	1.38	1.35
P-7	2.5	2.14
P-8	4.35	2.23
O-1	0.31	0.8
R-2	9.5	
R-3	1.14	



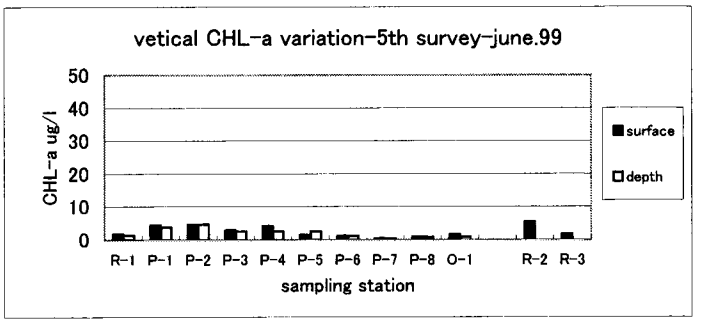
station	surface	depth
R-1	13.48	13.35
P-1	18.5	18.05
P-2	17.27	17.55
P-3	4.48	4.53
P-4	1.3	1.06
P-5	1.41	1.54
P-6	4.32	1.27
P-7	0.93	1.26
P-8	0.88	0.73
O-1	1.52	1.66
R-2	9.5	
R-3	1.14	



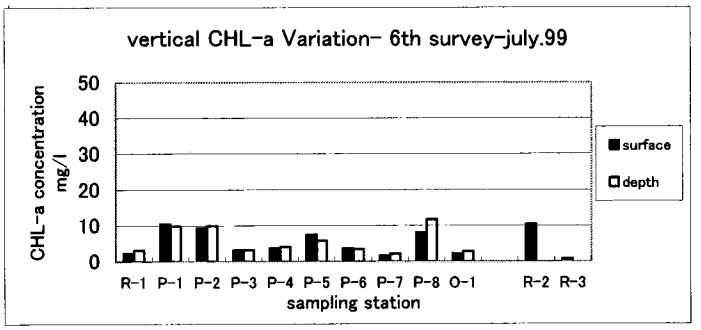
station	surface	depth
R-1	5.12	7.23
P-1	8.53	8.15
P-2	11.97	12.28
P-3	2.13	2.24
P-4	1.42	1.88
P-5	1.29	2.31
P-6	2.143	2.11
P-7	1.3	1.27
P-8	1.69	1.36
O-1	4.95	1.04
R-2	10.13	
R-3	10.28	



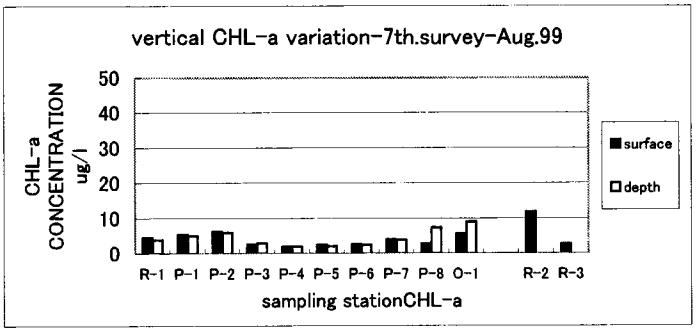
station	surface	depth
R-1	1.83	1.4
P-1	4.52	3.87
P-2	4.64	4.7
P-3	3	2.56
P-4	4.27	2.57
P-5	1.55	2.59
P-6	1.29	1.16
P-7	0.51	0.38
P-8	0.96	0.89
O-1	1.6	0.93
R-2	5.45	
R-3	1.73	



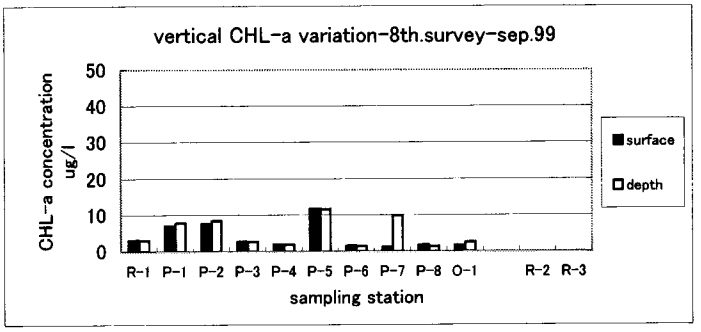
station	surface	depth
R-1	2.35	3.1
P-1	10.5	9.9
P-2	9.45	9.99
P-3	3.2	3.2
P-4	3.78	4.13
P-5	7.5	5.76
P-6	3.63	3.45
P-7	1.61	2.14
P-8	8.05	11.77
O-1	2.19	2.89
R-2	10.45	
R-3	0.8	



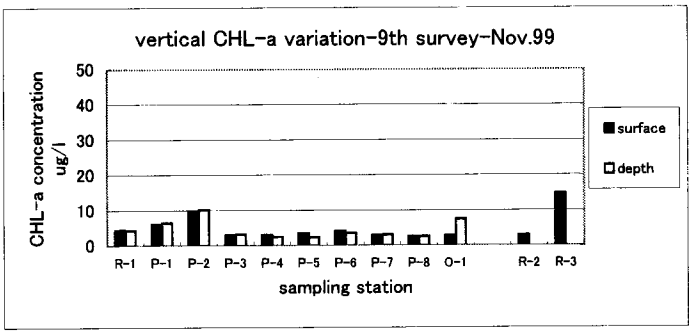
station	surface	depth
R-1	4.6	3.93
P-1	5.43	5.02
P-2	6.28	6.02
P-3	2.62	2.88
P-4	2	2
P-5	2.43	2.09
P-6	2.63	2.43
P-7	4	3.96
P-8	2.8	7.44
O-1	5.66	9.03
R-2	11.9	
R-3	2.78	



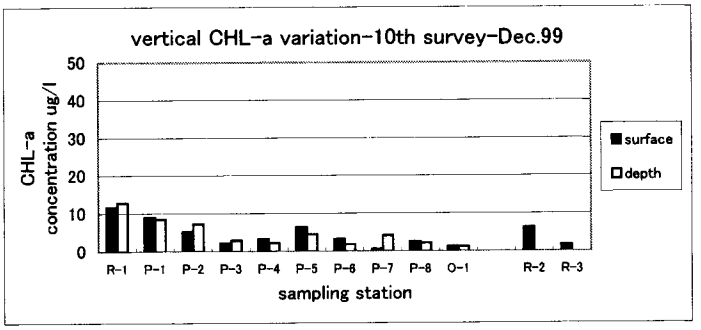
station	surface	depth
R-1	3.15	3.06
P-1	7.08	7.82
P-2	7.66	8.5
P-3	2.72	2.64
P-4	1.94	1.83
P-5	11.76	11.64
P-6	1.59	1.42
P-7	1.14	9.91
P-8	1.76	1.46
O-1	1.69	2.62
R-2		
R-3		



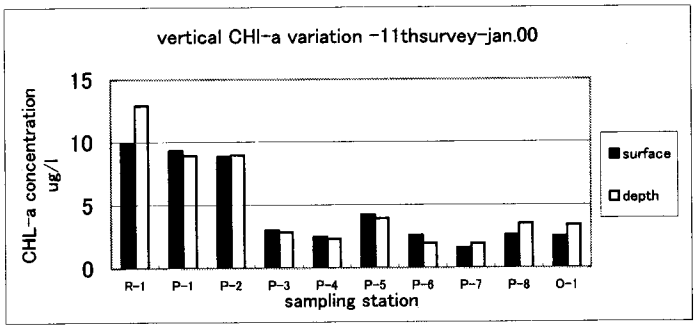
station	surface	depth
R-1	4.43	4.33
P-1	6.2	6.55
P-2	9.9	10.13
P-3	3.02	3.15
P-4	3.05	2.58
P-5	3.54	2.39
P-6	4.15	3.62
P-7	3.01	3.08
P-8	2.66	2.67
O-1	2.91	7.49
R-2	2.98	
R-3	14.9	



station	surface	depth
R-1	11.8	12.87
P-1	9.13	8.6
P-2	5.3	7.36
P-3	2.27	2.94
P-4	3.27	2.24
P-5	6.48	4.56
P-6	3.29	1.87
P-7	0.65	4.24
P-8	2.64	2.26
O-1	1.34	1.26
R-2	6.31	
R-3	1.73	



station	surface	depth
R-1	9.94	12.93
P-1	9.36	8.98
P-2	8.88	8.97
P-3	2.99	2.87
P-4	2.49	2.32
P-5	4.23	3.95
P-6	2.58	1.97
P-7	1.6	1.92
P-8	2.6	3.53
O-1	2.49	3.42
R-2		
R-3		



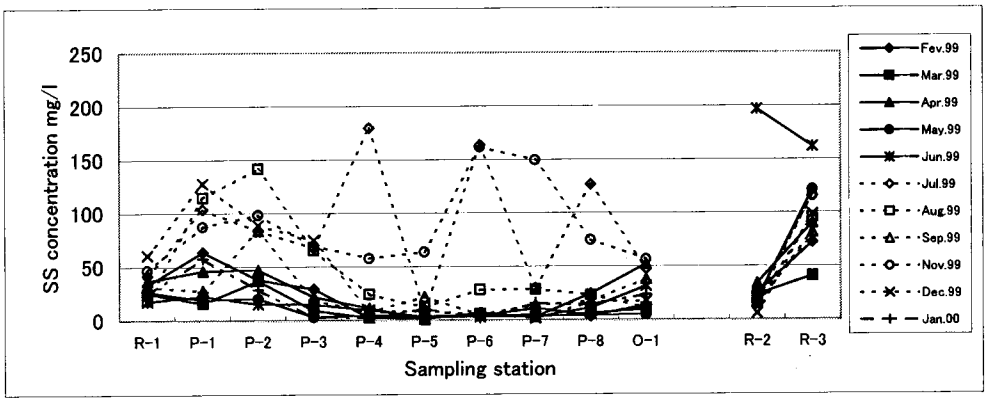
CHE-F-12

SS Variation in Patos Lake

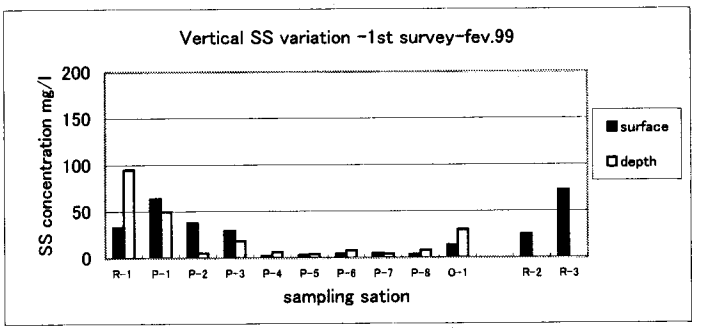
Period:February, 1999-January, 2000

SS VARIATION IN PATOS LAKE Period : Feb.99-Jan.00

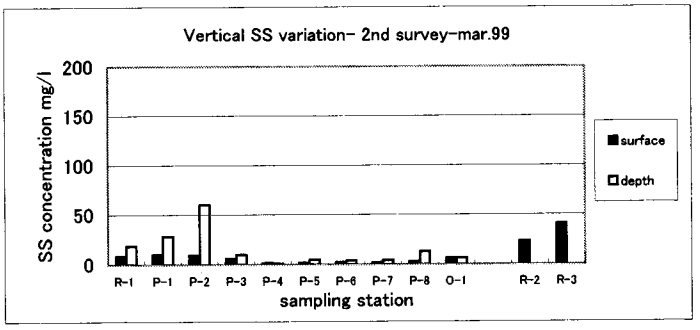
station	Fev.99	Mar.99	Apr.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dec.99	Jan.00
R-1	33.3	25.3	37	26.7	18	42	18.7	31.4	47	61	25
P-1	64	16	46.5	19	22.5	104	115	28	88	128	58
P-2	38	37.3	47.5	20.5	15.6	84	142	84	99	89	29
P-3	29.5	9.1	22	3.4	15	68	66	19	70	75	3
P-4	2.4	2.4	11.4	4.4	9.7	180	24.5	7.6	58	7.7	2.8
P-5	3	1.6	0.8	3.8	3	8.4	12.2	22	64	8.8	10.3
P-6	4.4	6.4	7	4	3	164	28.5	5.2	162	5	2
P-7	4.7	2.6	3	11	3	30	29	14	150	1.5	15.8
P-8	3.6	6.2	24.8	4.3	11.2	127	23.5	18	75	17	14.7
O-1	13.6	10.1	52.3	5	31.8	48	11.4	38.5	57	18	23.7
R-2	25.3	23.4	34.3	19	197	22.4	15.5	15	18	6	16.7
R-3	72.5	41	90.5	122	162	116	96	82	116	99	78



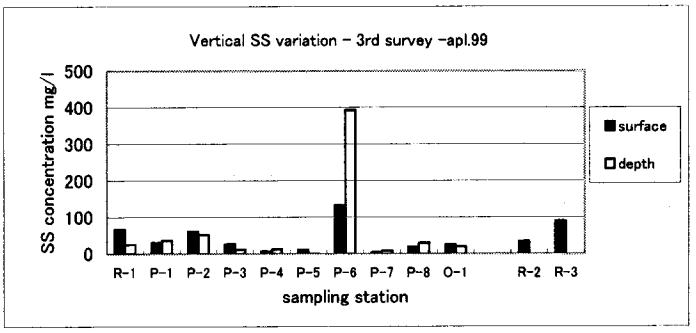
station	surface	depth
R-1	33.3	95
P-1	64	50
P-2	38	5
P-3	29.5	18
P-4	2.4	6
P-5	3	4
P-6	4.4	7.8
P-7	4.7	4
P-8	3.6	7.9
O-1	13.6	30.1
R-2	25.3	
R-3	72.5	



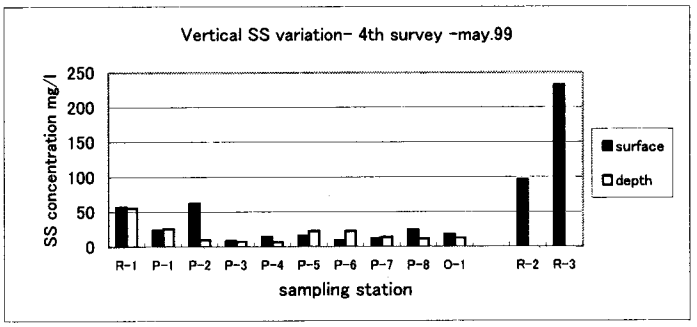
station	surface	depth
R-1	8.6	18.6
P-1	10.5	28.3
P-2	9.7	60.3
P-3	6.3	10
P-4	1.6	1
P-5	1.8	5
P-6	2.6	3.8
P-7	2.2	4.2
P-8	2.9	12.9
O-1	6.5	6.4
R-2	23.4	
R-3	41	



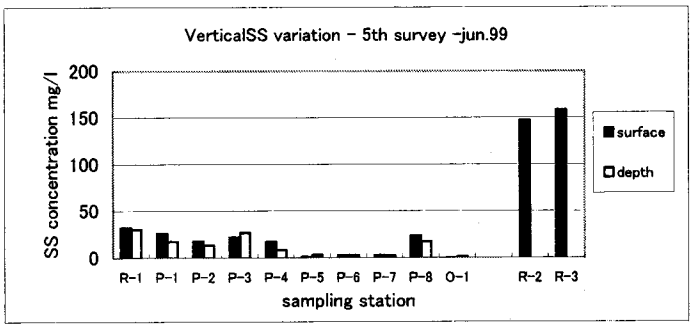
station	surface	depth
R-1	67.1	25.4
P-1	31	36
P-2	61.4	52.3
P-3	26.4	11.5
P-4	6.9	12.5
P-5	11.3	0.5
P-6	132.8	392.6
P-7	4.5	8.4
P-8	18.4	30.4
O-1	24.4	20.4
R-2	34.3	
R-3	90.5	



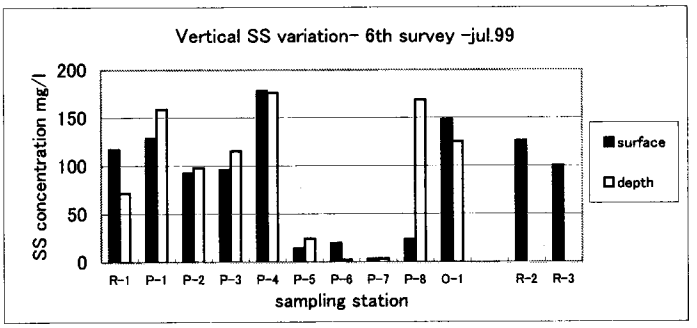
station	surface	depth
R-1	57.1	55.7
P-1	24.3	26.3
P-2	62.3	10.3
P-3	9.3	7.8
P-4	14.8	7
P-5	16.2	22.8
P-6	9.6	22.8
P-7	12.2	14
P-8	24.8	12
O-1	18.2	12.6
R-2	96	
R-3	232	



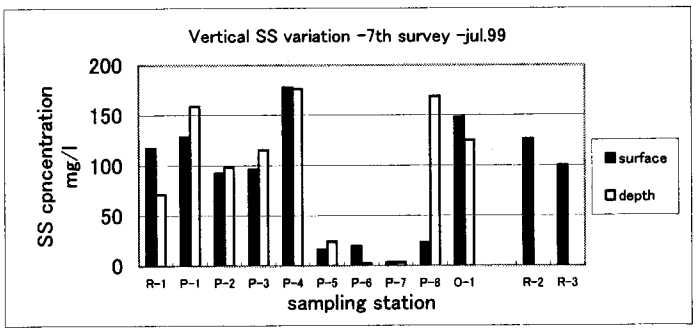
station	surface	depth
R-1	32.3	30.6
P-1	26.3	17.7
P-2	17.7	13.7
P-3	22	27
P-4	17.3	8.6
P-5	1.3	3.4
P-6	3.1	2.9
P-7	2.9	2.6
P-8	23.8	17.6
O-1	0.2	1.5
R-2	147.3	
R-3	158.6	



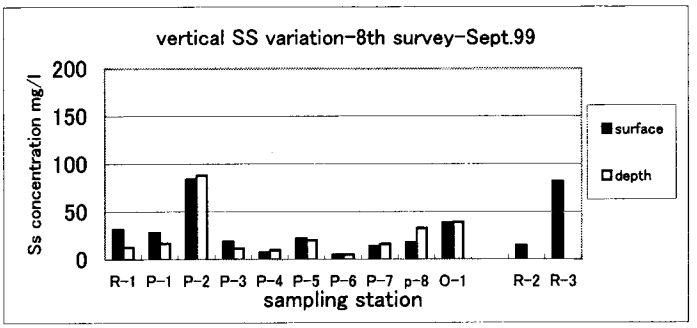
station	surface	depth
R-1	117.5	71.75
P-1	128.75	159
P-2	92.75	98.5
P-3	96.25	115.5
P-4	178	176.25
P-5	14.6	24.44
P-6	20	2.6
P-7	3.5	3.5
P-8	23.8	168.86
O-1	148.75	125.43
R-2	126.29	
R-3	100.29	



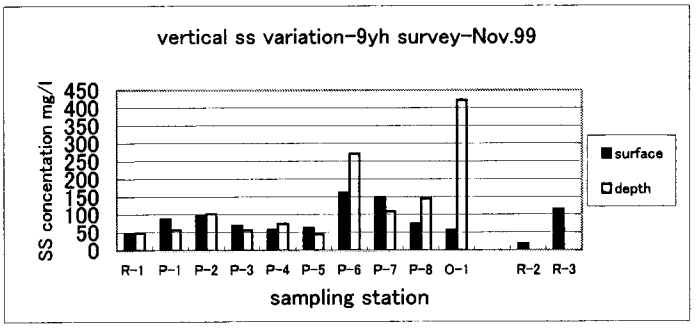
station	surface	depth
R-1	117.5	71.75
P-1	128.75	159
P-2	92.75	98.5
P-3	96.25	115.5
P-4	178	176.25
P-5	16.4	24.44
P-6	20	2.6
P-7	3.5	3.5
P-8	23.8	168.86
O-1	148.75	125.43
R-2	126.29	
R-3	100.29	



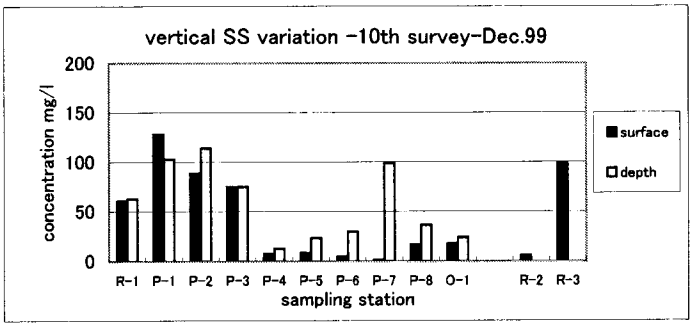
station	surface	depth
R-1	31.4	12.5
P-1	28	17
P-2	84	88
P-3	19	12
P-4	7.6	10
P-5	22	20.5
P-6	5.2	5.2
P-7	14	16.4
p-8	18	33
O-1	38.5	39
R-2	15	
R-3	82	



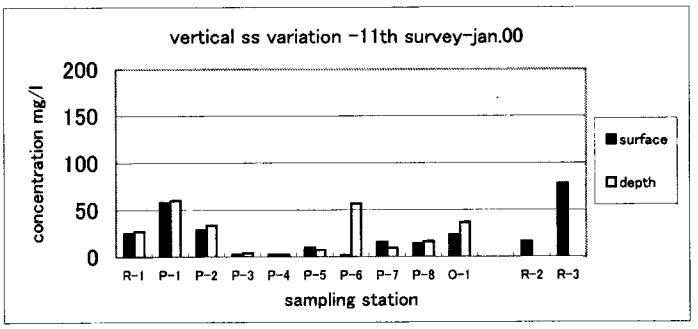
station	surface	depth
R-1	47	48
P-1	88	57
P-2	99	102
P-3	70	57
P-4	58	75
P-5	64	47
P-6	162	272
P-7	150	109
P-8	75	146
O-1	57	422
R-2	18	
R-3	116	



station	surface	depth
R-1	61	63
P-1	128	103
P-2	89	114
P-3	75	75
P-4	7.7	13
P-5	8.8	23.3
P-6	5	30
P-7	1.5	99
P-8	17	36.5
O-1	18	24
R-2	6	
R-3	99	



station	surface	depth
R-1	25	27
P-1	58	60
P-2	29	34
P-3	3	4.4
P-4	2.8	2.6
P-5	10.3	7.6
P-6	2	57
P-7	15.8	9.7
P-8	14.7	16.8
O-1	23.7	37
R-2	16.7	
R-3	78	



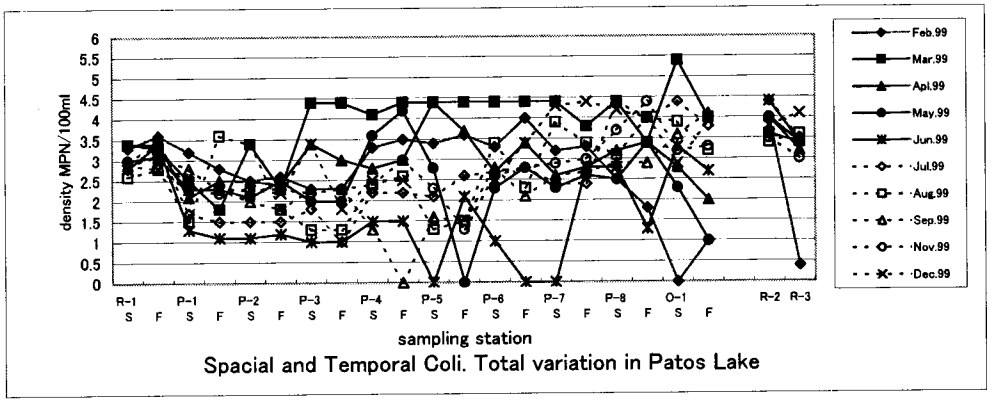
CHE-F-13

Total Coliform Variation in Patos Lake

Period:February, 1999-December, 1999

TOTAL COLIFORM VARIATION IN PATOS LAKE

Station		Feb.99	Mar.99	Apl.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dec.99
R-1	S	3.3	3.4	3.4	3	2.8	3	2.6	2.9	3.4	2.9
	F	3.6	3.3	3.4	3.1	3.4	3.4	2.8	3.1	3.4	2.8
P-1	S	3.2	2.5	2.1	2.3	1.3	1.7	1.5	2.8	2.3	2.3
	F	2.8	1.8	2.5	2.3	1.1	1.5	3.6	2.3	2.2	2.3
P-2	S	2.5	3.4	2.5	2.1	1.1	1.5	3.4	2	2.3	2.3
	F	2.6	2.3	2.4	2.5	1.2	1.5	1.8	1.8	2.3	2.2
P-3	S	2.3	4.4	3.4	2	1	1.8	1.3	2.3	2.2	3.4
	F	2.3	4.4	3	2	1	1	1.3	2.3	2.3	1.8
P-4	S	3.3	4.1	2.8	3.6	1.5	2.2	2.4	1.3	2.4	2.5
	F	3.5	4.4	3	4.2	1.5	2.2	2.6	0	3	2.5
P-5	S	3.4	4.4	4.4	2.8	0	2.1	1.3	1.6	2.3	
	F	3.6	4.4	3.7	0	2.1	2.6	1.5	1.5	1.3	
P-6	S	3.3	4.4	2.7	2.3	1	2.7	3.4	2.8	2.6	2.5
	F	4	4.4	3.4	2.8	0	2.8	2.3	2.1	2.8	3.4
P-7	S	3.2	4.4	2.6	2.3	0	2.4	3.9	2.6	2.9	4.3
	F	3.3	3.8	2.8	2.6	2.8	2.4	3.4	2.7	3	4.4
P-8	S	2.5	4.4	3.2	2.5	2.8	4.4	3.1	2.9	3.7	4.2
	F	1.8	3.4	3.4	3.4	1.3	4	4	2.9	4.4	4
O-1	S	0	5.4	2.8	2.3	3.3	4.4	3.9	3.6	3.2	2.9
	F	1	4	2	1	2.7	3.8	3.2	4.1	3.3	3.9
R-2		4	3.6	4	4	4.4	4.4	3.4		3.5	3.8
R-3		0.4	3.4	3.2	3.4	3.4	3.5	3.6		3	4.1



Spacial and Temporal Coli. Total variation in Patos Lake

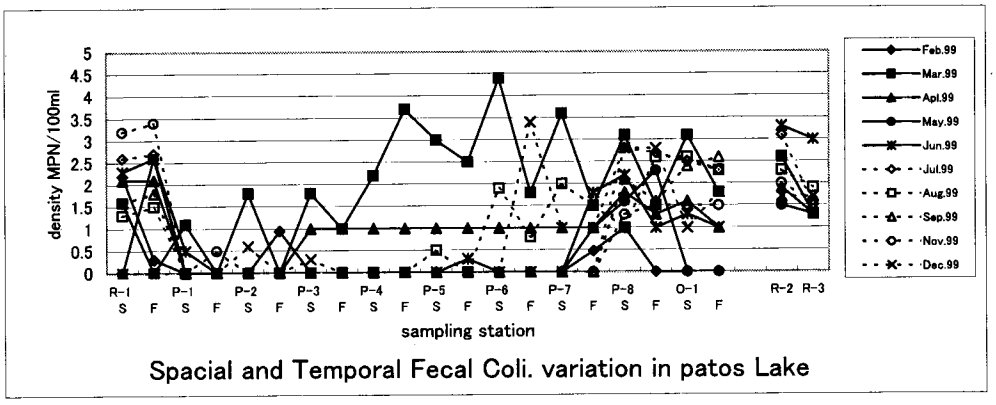
CHE-F-14

Fecal Coliform Variation in Patos Lake

Period:February, 1999-December, 1999

FECAL COLIFORM VARIATION IN PATOS LAKE

Station		Feb.99	Mar.99	Apl.99	May.99	Jun.99	Jul.99	Aug.99	Sep.99	Nov.99	Dec.99
R-1	S	2.2	1.6	2.1	0	2.3	2.6	1.3	1.6	3.2	0
	F	0.3	0	2.1	2.6	2.6	2.7	1.5	1.8	3.4	0
P-1	S	0	1.1	0	0	0.5	0	0	0	0	0
	F	0	0	0	0	0	0	0	0	0.5	0
P-2	S	0	1.8	0	0	0	0	0	0	0	0.6
	F	0.95	0	0	0	0	0	0	0	0	0
P-3	S	0	1.8	1	0	0	0	0	0	0	0.3
	F	0	1	1	0	0	0	0	0	0	0
P-4	S	0	2.2	1	0	0	0	0	0	0	0
	F	0	3.7	1	0	0	0	0	0	0	0
P-5	S	0	3	1	0	0	0	0.5	0	0	
	F	0	2.5	1	0	0.3	0	0	0	0	
P-6	S	0	4.4	1	0	0	0	1.9	0	0	0
	F	0	1.8	1	0	0	0	0.8	0	0	3.4
P-7	S	0	3.6	1	0	0	0	2	0	0	1
	F	0.48	1.5	1	1	1.8	0	1.5	0	0	1
P-8	S	1	3.1	1.8	1.6	2.2	2.8	1	2.1	1.3	2.8
	F	0	1.5	1.3	2.3	1	2.7	2.6	1.6	1.5	2.8
O-1	S	0	3.1	1.6	0	1.3	2.5	2.6	2.4	1.5	1
	F	0	1.8	1	0	1	2.3	2.3	2.6	1.5	1.8
R-2		1.5	2.6	1.9	1.5	3.3	3.1	2.3		2	1.7
R-3		1.3	1.3	1.3	1.3	3	1.5	1.9		1.6	1.7



Spacial and Temporal Fecal Coli. variation in patos Lake