65-16

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ENVIRONMENTAL OBSERVATIONS ON CONTINENTAL SHELF NOVA SCOTIA TO LONG ISLAND, MAY-JUNE 1965

ALBATROSS IV CRUISE 65-7

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Laboratory Reference No. 65-16

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ENVIRONMENTAL OBSERVATIONS ON CONTINENTAL SHELF NOVA SCOTIA TO LONG ISLAND, MAY-JUNE 1965 ALBATROSS IV CRUISE 65-7

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Introduction

This report lists results obtained during an environmental survey of Continental Shelf waters in an area bounded by longitudes 64°30' W and 72°30' W (Albatross IV Cruise 65-7, 19 May - 3 June 1965). This is the fourth of a series of cruises being undertaken on a quarterly basis to measure the seasonal and annual variations in temperature, salinity, dissolved oxygen, and chlorophyll. The cruise track and station and section locations are shown in Figure 1.

Procedures

A surface temperature reading, bathythermograph lowering, and Nansen bottle cast were made at each station. The Nansen bottle depths were 1, 10, 20, 30, 40, 50, 75, 100, 150, 200, and 250 meters. A bathythermograph lowering was made midway between stations separated by a distance greater than 15 miles. Five drift bottles were released at all stations and 5 sea-bed drifters were released at stations shoaler than 275 meters. Dissolved oxygen determinations were made at sea. All other determinations were made ashore.

Methods

Temperature

Temperature was measured with a bucket thermometer and bathythermographs.

Salinity

Salinity was determined by electrical conductivity using a Hytech Model 621 Salinometer.

Dissolved Oxygen

Dissolved oxygen was determined polarographically (Carritt and Kanwisher, 1959) using a Jarrell Ash Model 26-601 dissolved oxygen analyzer.

Chlorophyll

Chlorophyll (total pigment) within the upper 100 meters of the water column was determined by fluorescence according to the method of Yentsch and Menzel (1963) from frozen extracts of 125 ml. sea water. The specific absorption value (k) used was 66.7 (Richards, 1952). A G.K. Turner Model 110 fluorometer was used for these determinations.

Data

Values of all properties measured are tabulated by station and depth in Table 1. In addition, the bottom temperature is included where obtained.

The surface temperature and bottom temperature distributions are shown in Figure 2. The surface salinity and density distributions are shown in Figure 3. Vertical profiles of temperature, salinity, dissolved oxygen, chlorophyll, and density for sections A^1 through H are presented in Figures 4-10.

References

Carritt, D. E. and J. W. Kanwisher, (1959). An electrode system for measuring dissolved oxygen. Analytical Chemistry, 31: 5-9.

Richards, F. A. (1952). The estimation and characterization of plankton populations by pigment analysis. I. The absorption spectra of some pigments in diatoms, dinoflagellates, and brown algae. J. Mar. Res., 11: 147-155.

Yentsch, C. S. and D. W. Menzel (1963). A method for the determination of phytoplankton chlorophyll and phaeophytin by fluorescence. Deep-Sea Res., 10: 221-231.

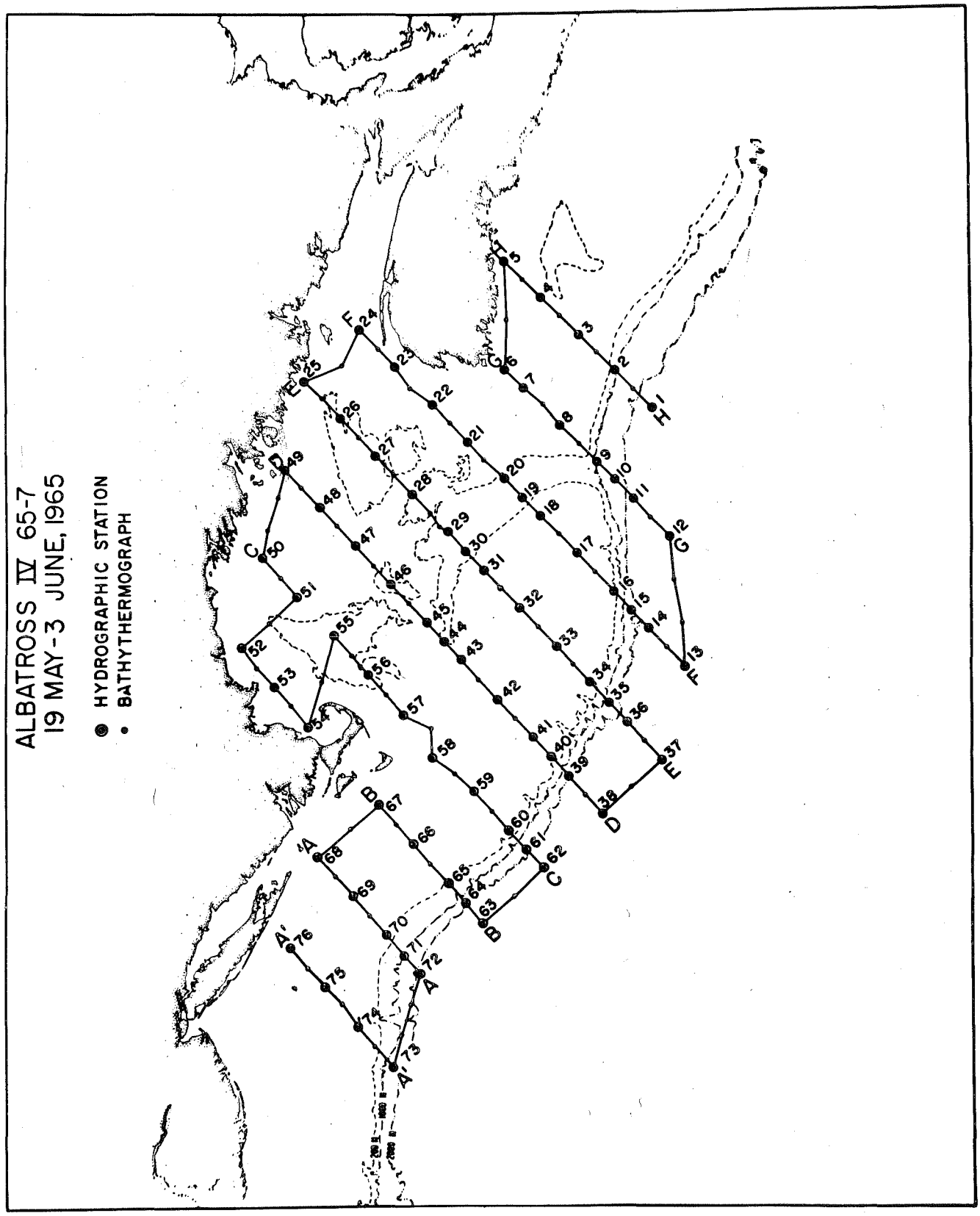
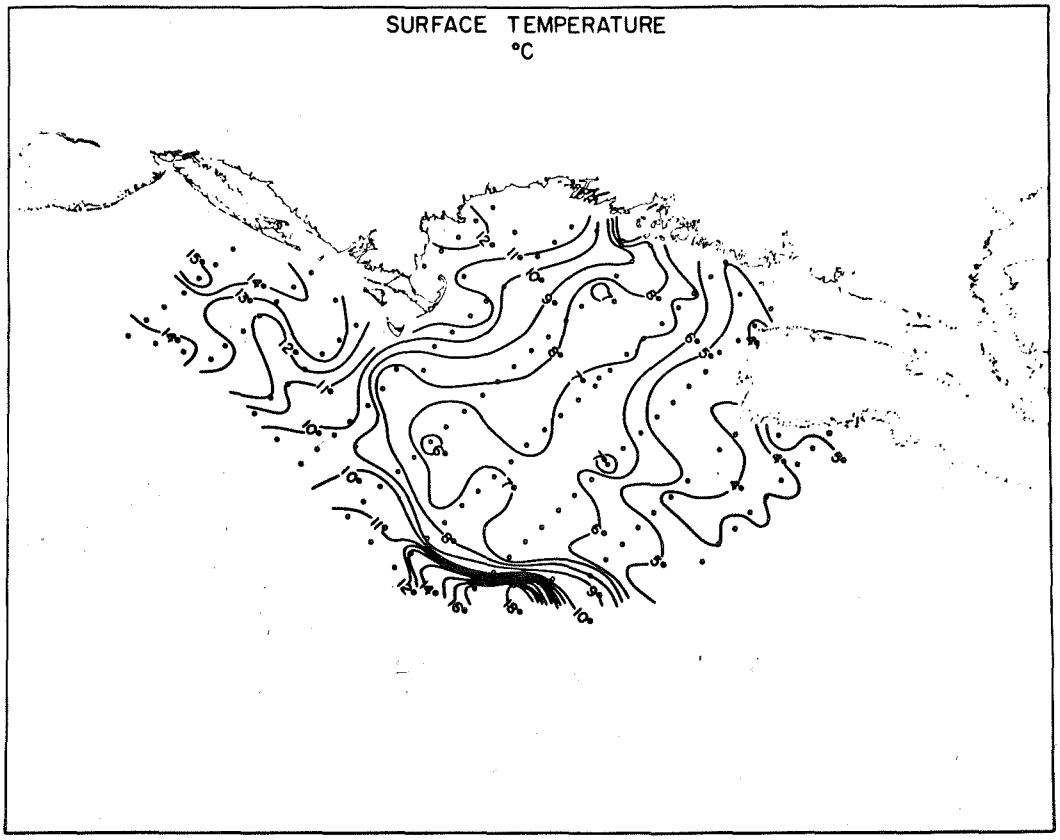

ALBATROSS IV 65-7
19 MAY-3 JUNE, 1965
HYDROGRAPHIC STATION
BATHYTHERMOGRAPH

FIGURE I



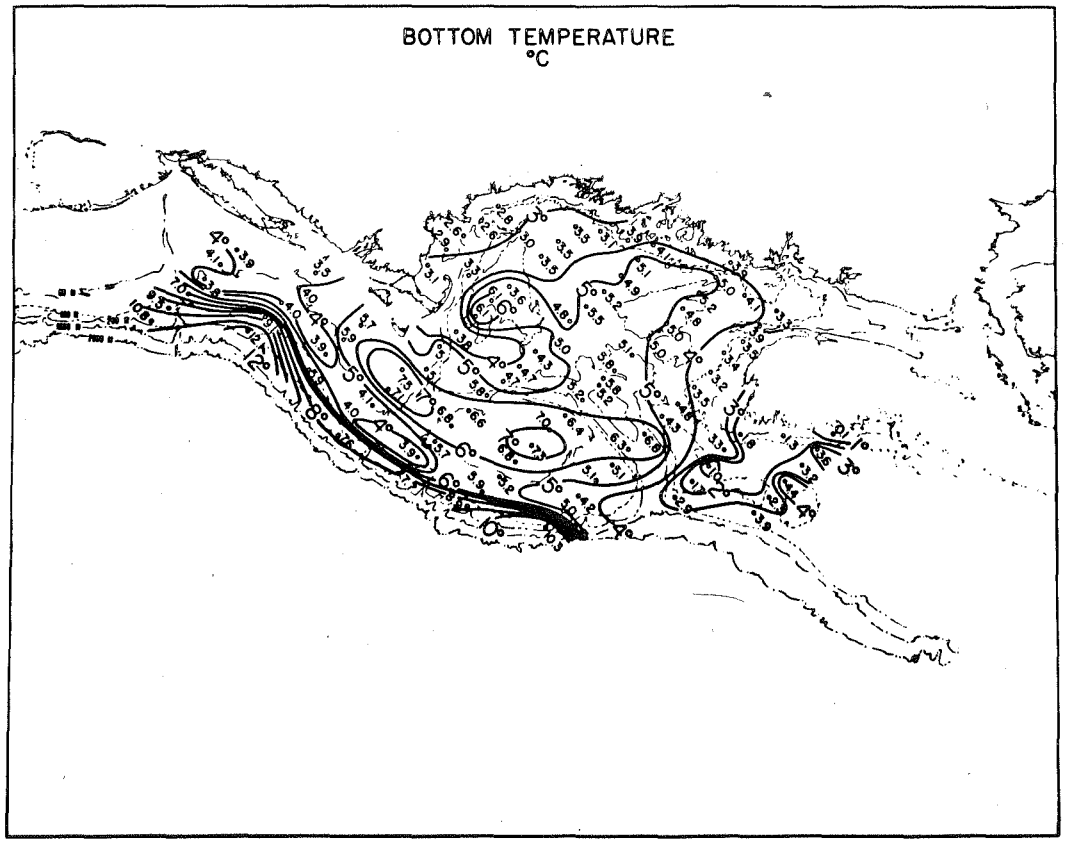
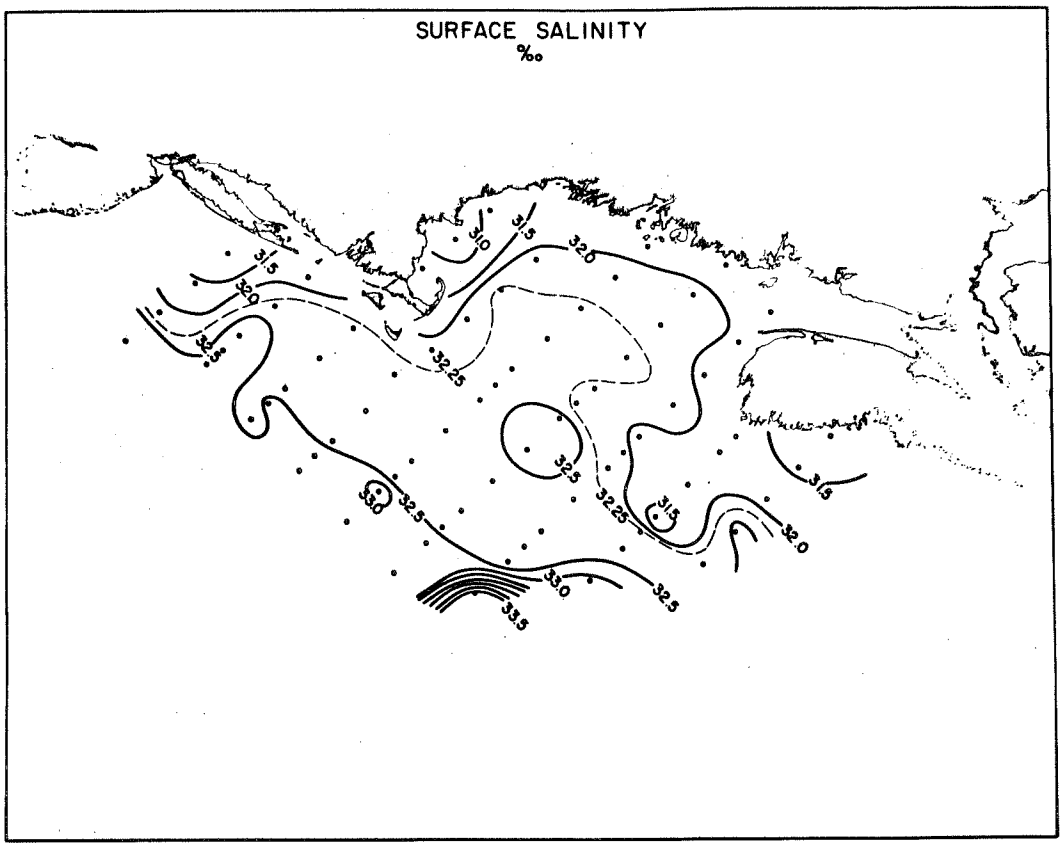


FIGURE 2


SURFACE SALINITY
‰
31.5
32.0
32.25
32.5
33.0
33.5

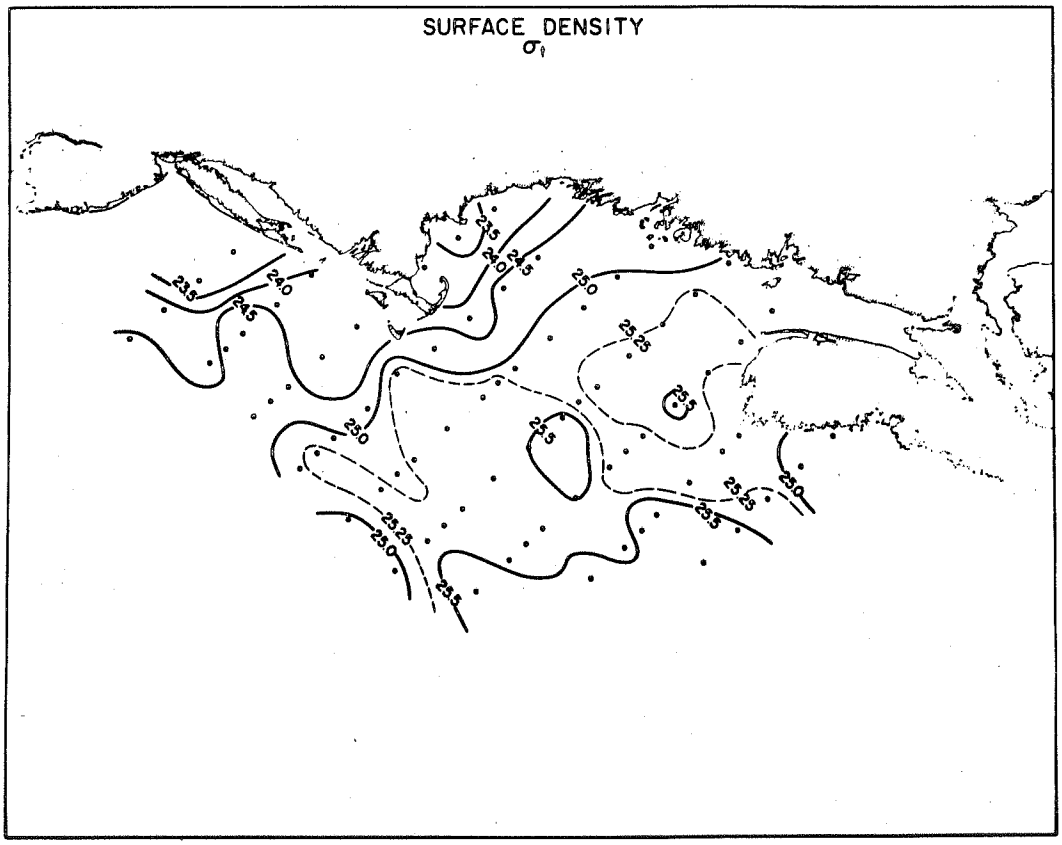

SURFACE DENSITY
σ_t
23.5
24.0
24.5
25.0
25.25
25.5

FIGURE 3

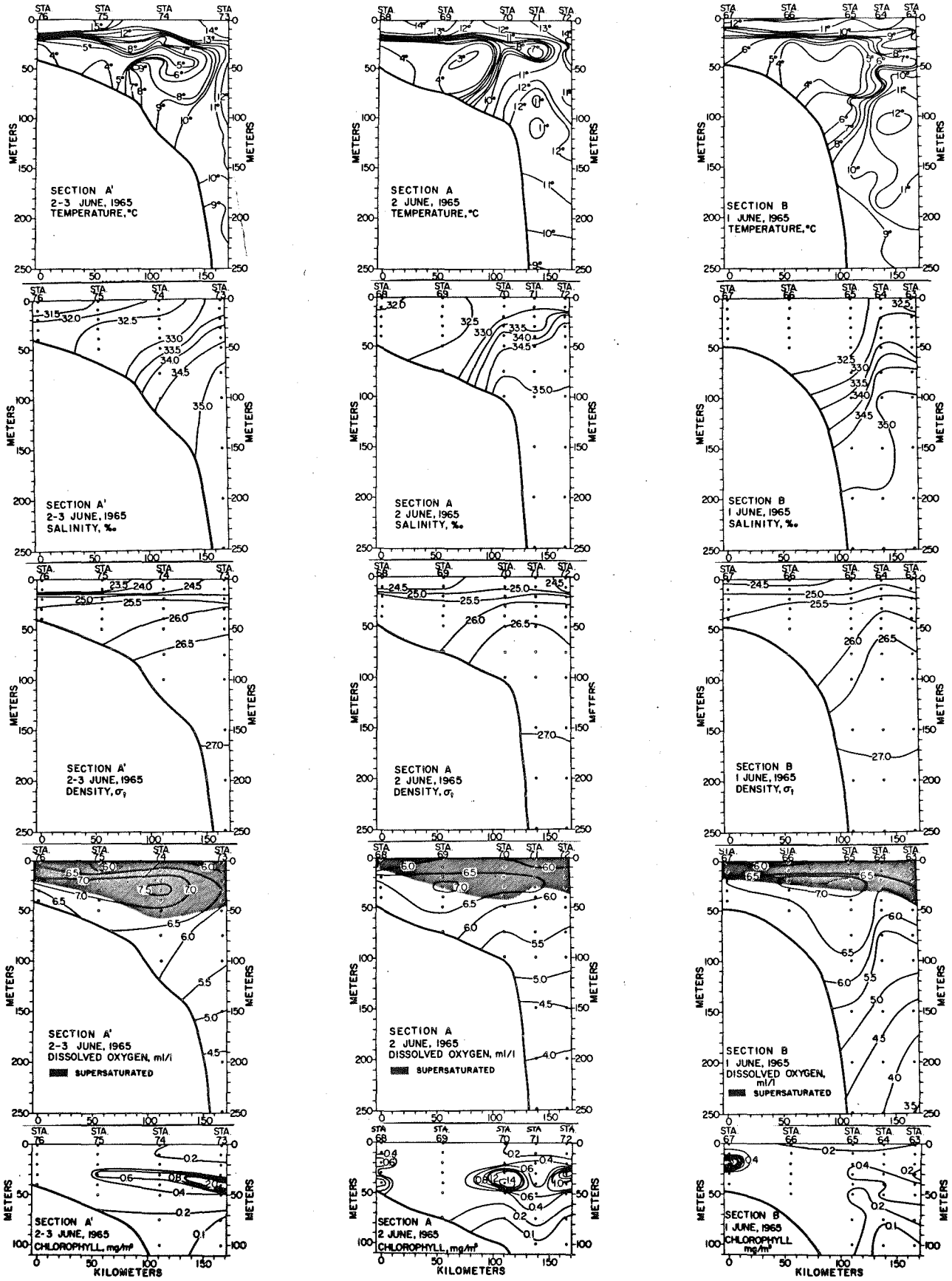

SECTION A'
2-3 JUNE, 1965
TEMPERATURE, °C
SECTION A
2 JUNE, 1965
TEMPERATURE, °C
SECTION B
1 JUNE, 1965
TEMPERATURE, °C
SECTION A'
2-3 JUNE, 1965
SALINITY, ‰
SECTION A
2 JUNE, 1965
SALINITY, ‰
SECTION B
1 JUNE, 1965
SALINITY, ‰
SECTION A'
2-3 JUNE, 1965
DENSITY, σt
SECTION A
2 JUNE, 1965
DENSITY, σt
SECTION B
1 JUNE, 1965
DENSITY, σt
SECTION A'
2-3 JUNE, 1965
DISSOLVED OXYGEN, ml/l
SUPERSATURATED
SECTION A
2 JUNE, 1965
DISSOLVED OXYGEN, ml/l
SUPERSATURATED
SECTION B
1 JUNE, 1965
DISSOLVED OXYGEN, ml/l
SUPERSATURATED
SECTION A'
2-3 JUNE, 1965
CHLOROPHYLL, mg/m³
SECTION A
2 JUNE, 1965
CHLOROPHYLL, mg/m³
SECTION B
1 JUNE, 1965
CHLOROPHYLL mg/m³
METERS
KILOMETERS

FIGURE 4

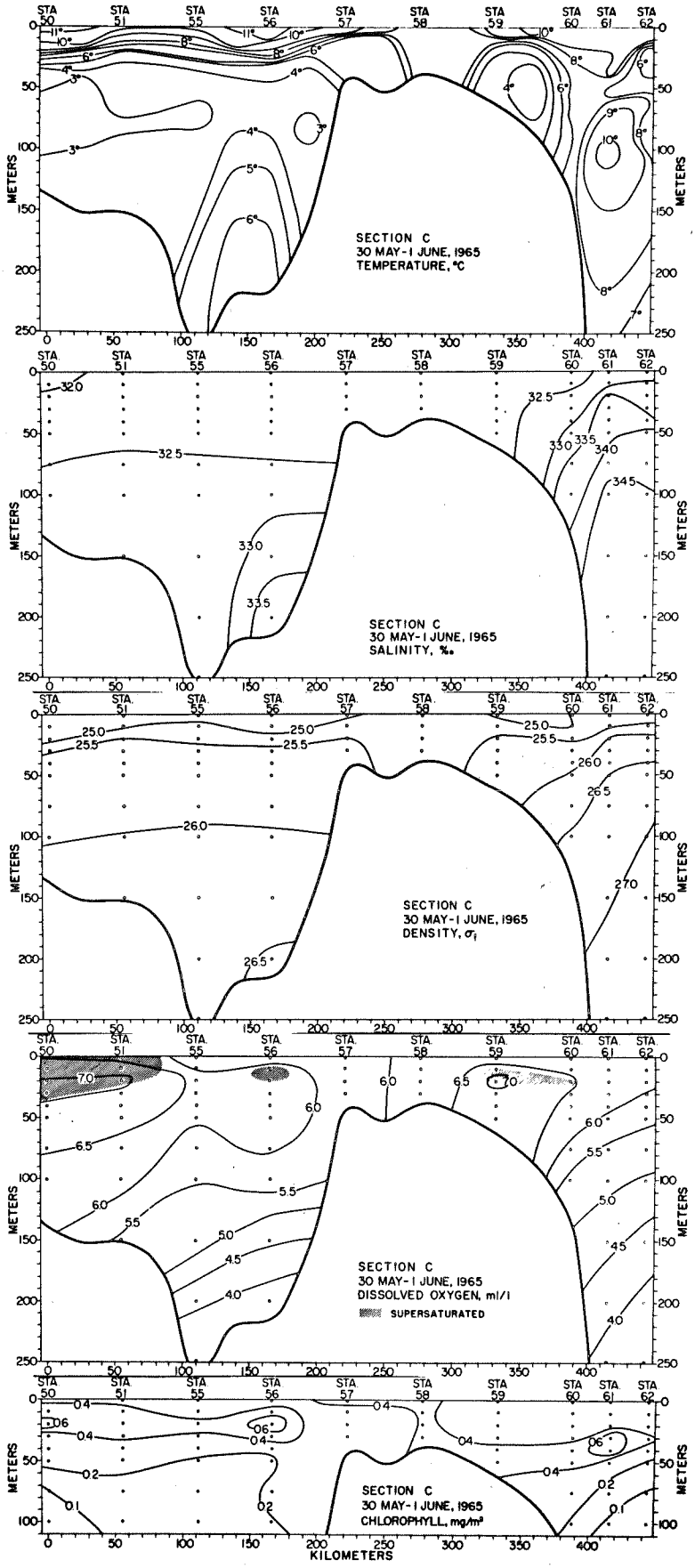

SECTION C
30 MAY-1 JUNE, 1965
TEMPERATURE, °C
SECTION C
30 MAY-1 JUNE, 1965
SALINITY, ‰
SECTION C
30 MAY-1 JUNE, 1965
DENSITY, σ_t
SECTION C
30 MAY-1 JUNE, 1965
DISSOLVED OXYGEN, ml/l
SUPERSATURATED
SECTION C
30 MAY-1 JUNE, 1965
CHLOROPHYLL, mg/m³
METERS
KILOMETERS
STA 50
STA 51
STA 55
STA 56
STA 57
STA 58
STA 59
STA 60
STA 61
STA 62

FIGURE 5

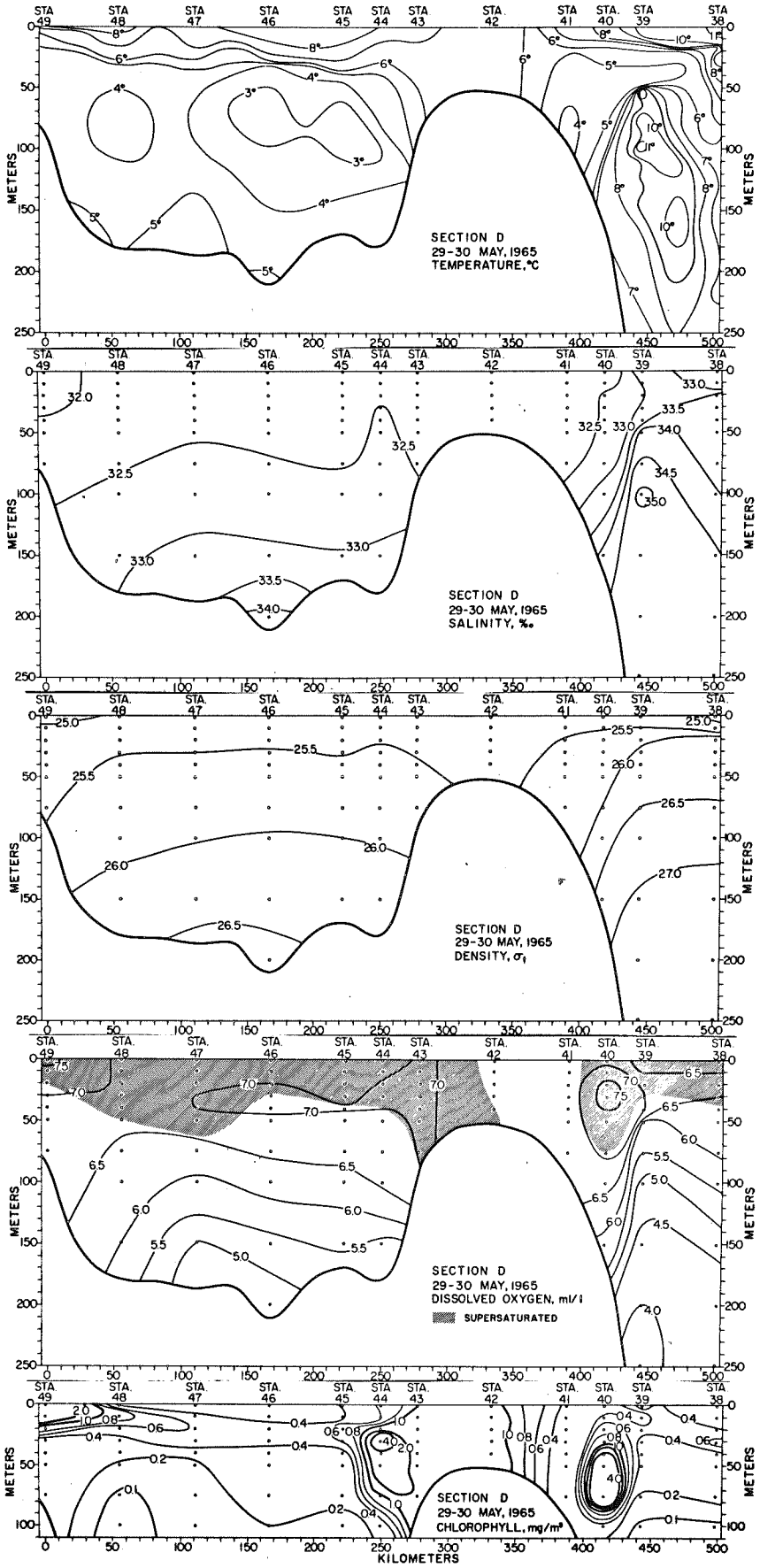

SECTION D
29-30 MAY, 1965
TEMPERATURE, °C
SECTION D
29-30 MAY, 1965
SALINITY, ‰
SECTION D
29-30 MAY, 1965
DENSITY, σ_t
SECTION D
29-30 MAY, 1965
DISSOLVED OXYGEN, ml/l
SUPERSATURATED
SECTION D
29-30 MAY, 1965
CHLOROPHYLL, mg/m³
METERS
KILOMETERS

FIGURE 6

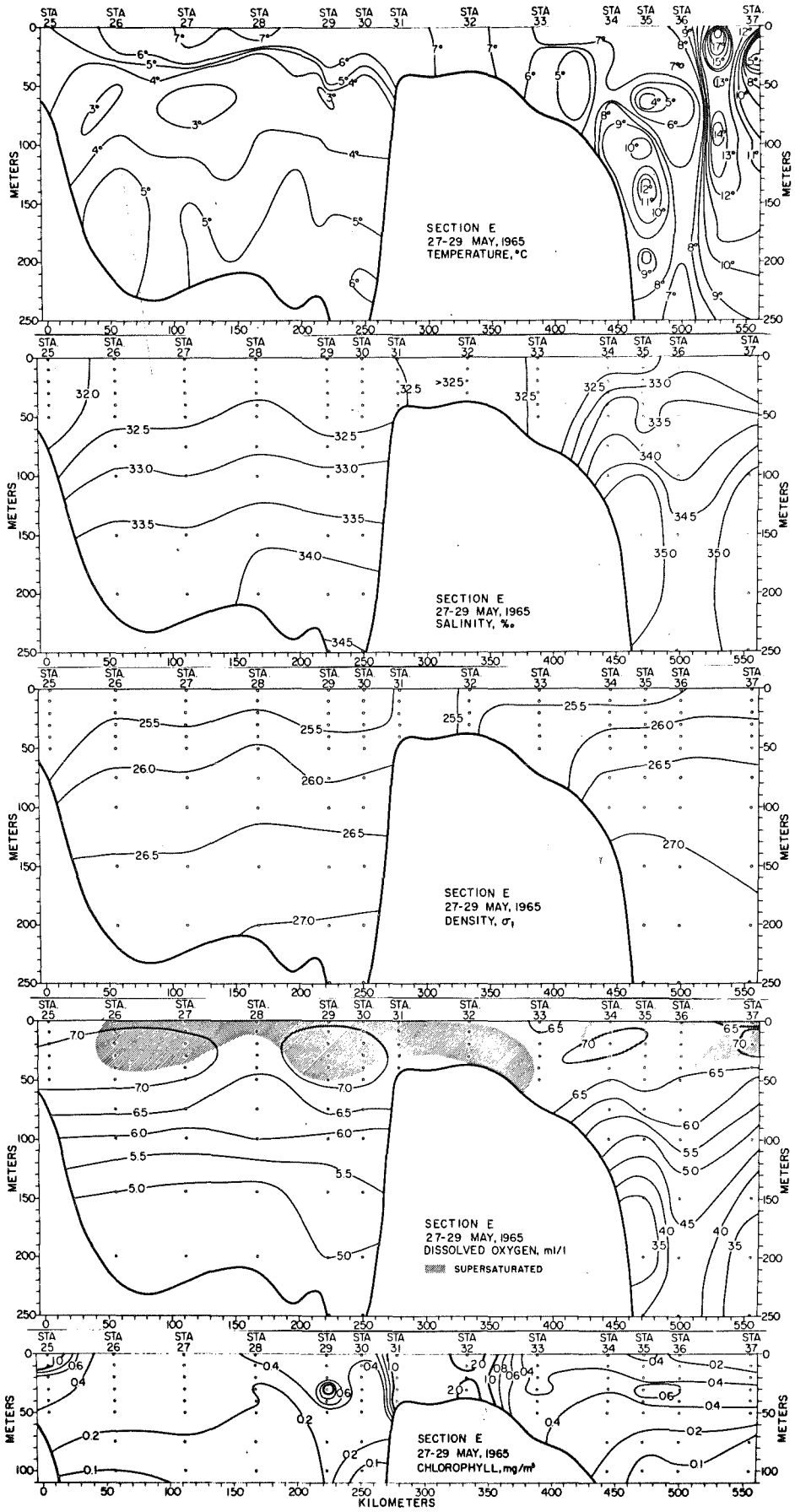

SECTION E
27-29 MAY, 1965
TEMPERATURE, °C
SECTION E
27-29 MAY, 1965
SALINITY, ‰
SECTION E
27-29 MAY, 1965
DENSITY, σ_t
SECTION E
27-29 MAY, 1965
DISSOLVED OXYGEN, ml/l
SUPERSATURATED
SECTION E
27-29 MAY, 1965
CHLOROPHYLL, mg/m³
METERS
KILOMETERS

FIGURE 7

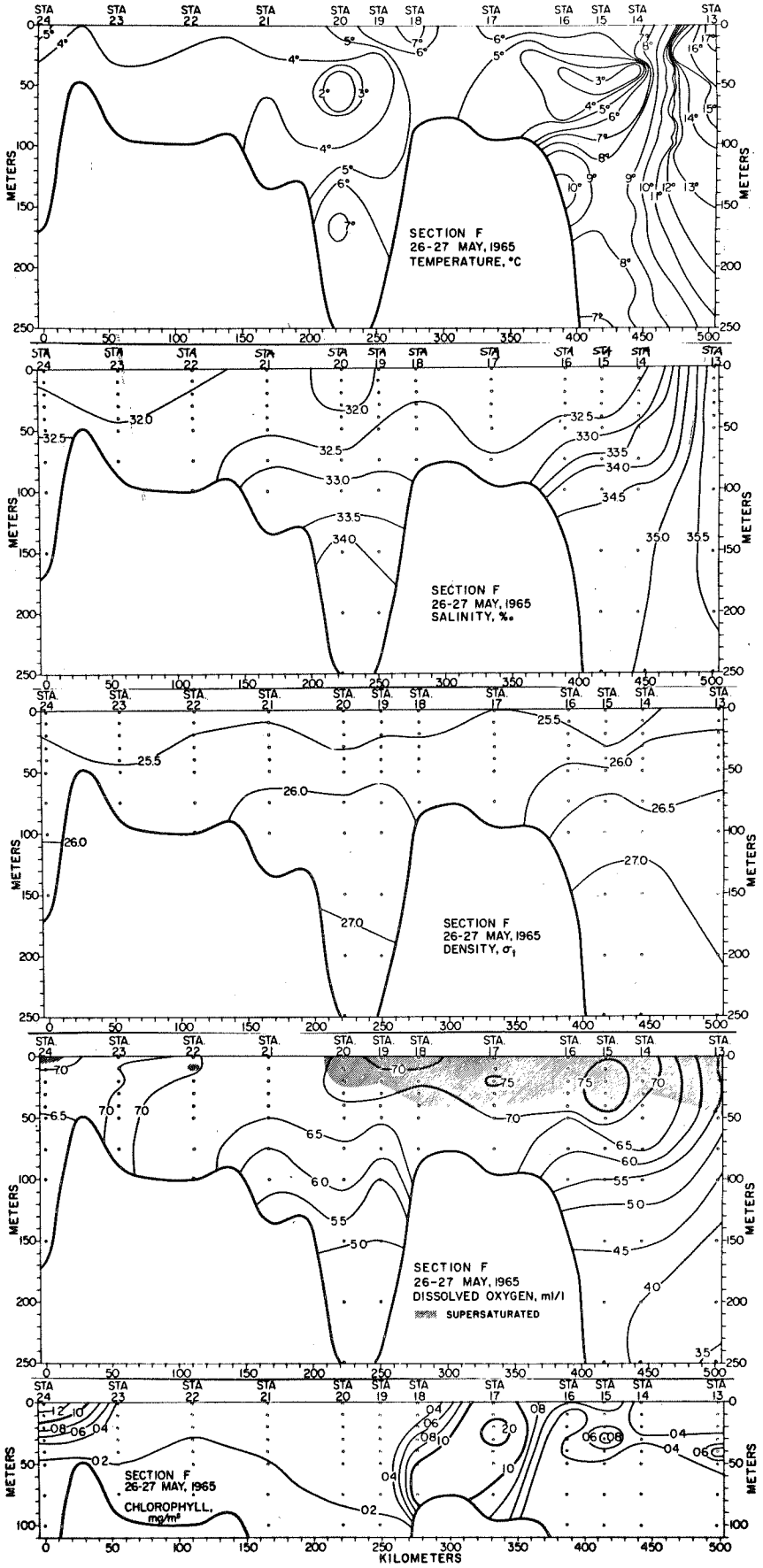

SECTION F
26-27 MAY, 1965
TEMPERATURE, °C
SECTION F
26-27 MAY, 1965
SALINITY, ‰
SECTION F
26-27 MAY, 1965
DENSITY, σ_t
SECTION F
26-27 MAY, 1965
DISSOLVED OXYGEN, ml/l
SUPERSATURATED
SECTION F
26-27 MAY, 1965
CHLOROPHYLL, mg/m³
METERS
KILOMETERS

FIGURE 8

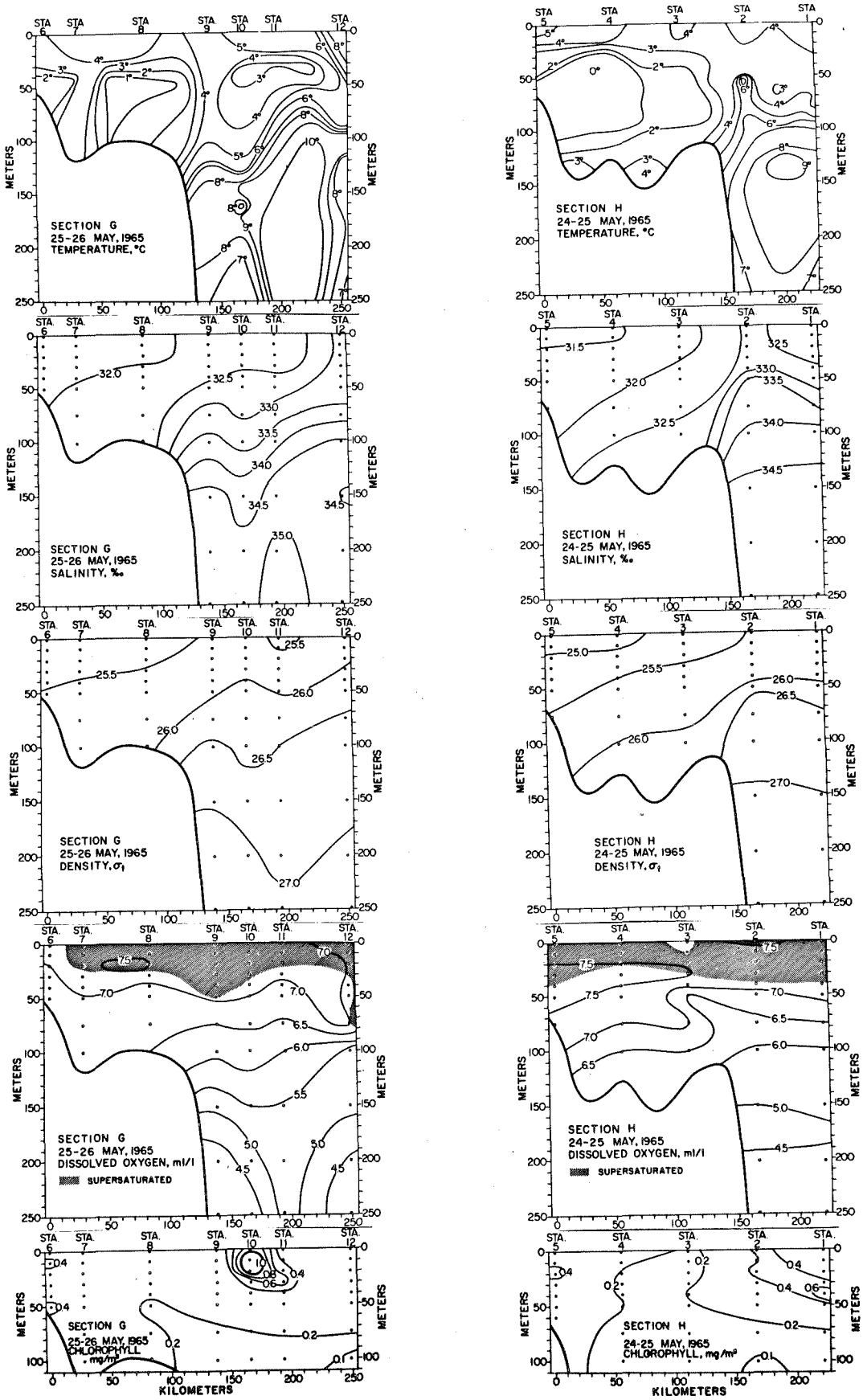

SECTION G
25-26 MAY, 1965
TEMPERATURE, °C
SECTION H
24-25 MAY, 1965
TEMPERATURE, °C
SECTION G
25-26 MAY, 1965
SALINITY, ‰
SECTION H
24-25 MAY, 1965
SALINITY, ‰
SECTION G
25-26 MAY, 1965
DENSITY, σ_t
SECTION H
24-25 MAY, 1965
DENSITY, σ_t
SECTION G
25-26 MAY, 1965
DISSOLVED OXYGEN, ml/l
SUPERSATURATED
SECTION H
24-25 MAY, 1965
DISSOLVED OXYGEN, ml/l
SUPERSATURATED
SECTION G
25-26 MAY, 1965
CHLOROPHYLL, mg/m³
SECTION H
24-25 MAY, 1965
CHLOROPHYLL, mg/m³
METERS
KILOMETERS

FIGURE 9

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
1	25-V-65	0355	42°00'	64°30'	1	4.4	32.35	7.19	0.31	
					10	4.4	32.35	7.20	0.25	
					20	4.3	32.35	7.29	0.26	
					30	3.9	32.42	7.27	0.44	
					40	3.4	32.60	7.31	0.77	
					50	3.8	32.83	7.11	0.34	
					75	4.0	33.50	6.49	0.17	
					100	6.8	34.14	5.85	0.14	
					150	8.9	34.84	5.34		
					200	8.9	34.94	4.16		
					250	6.8	34.73	4.41		
					BOTTOM					
2	25-V-65	0710	42°31'	64°30'	1	4.8	32.52	8.02	0.42	
					10	4.8	32.51	7.17	0.39	
					20	4.5	32.65	7.30	0.49	
					30	3.8	32.68	7.23	0.33	
					40	3.7	32.76	7.23	0.33	
					50	5.5	33.50	6.81	0.24	
					75	5.1	33.84	6.39	0.15	
					100	6.0	34.05	5.77	0.09	
					150	7.8	34.68	4.98		
					200	7.4	34.80	4.29		
					250	6.8	34.86	4.10		
					BOTTOM					
3	25-V-65	1020	43°00'	64°30'	1	4.0	31.90	7.18	0.19	
					10	4.0	31.87	7.24	0.17	
					20	3.9	31.87	7.38	0.18	
					30	2.2	31.98	7.58	0.19	
					40	2.1	32.13	7.32	0.21	
					50	1.5	32.26	6.42	0.17	
					75	1.5	32.37	7.00	0.10	
					100	2.0	32.64	6.52	0.17	
					150					
					200					
					250					
				(124M)	BOTTOM	2.3				
4	25-V-65	1325	43°30'	64°30'	1	4.9	31.48	7.19	0.26	
					10	4.8	31.47	7.19	0.28	
					20	3.0	31.55	7.50	0.19	
					30	0.9	31.70	7.52	0.16	
					40	0.1	31.75	7.48	0.14	
					50	-0.1	31.84	7.33	0.22	
					75	0.0	32.09	7.01	0.13	
					100	0.9	32.48	6.51	0.17	
					150					
					200					
					250					
				(127M)	BOTTOM	2.2				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
5	25·V·65	1625	44°00'	64°30'	1	5.3	31.33	7.08	0.21	
					10	5.0	31.40	7.24	0.33	
					20	3.8	31.51	7.45	0.50	
					30	2.6	31.57	7.52	0.26	
					40	2.2	31.68	7.55	0.29	
					50	1.0	31.73	7.55	0.29	
					75	0.1	31.78	7.42	0.29	
					100					
					150					
					200					
					250					
				(76M)	BOTTOM	0.1				
6	25·V·65	2210	43°15'	65°30'	1	3.9	31.56	7.18	0.29	
					10	3.7	31.58	7.22	0.50	
					20	3.1	31.60	7.04	0.26	
					30	3.0	31.65	7.10	0.32	
					40	1.9	31.87	7.13	0.35	
					50	1.8	31.89	7.19	0.40	
					75					
					100					
					150					
					200					
					250					
				(59M)	BOTTOM	1.8				
7	25·V·65	2345	43°00'	65°30'	1	4.5	31.68	7.11	0.29	
					10	4.5	31.68	7.23	0.22	
					20	4.0	31.68	7.40	0.33	
					30	3.4	31.72	7.23	0.32	
					40	2.1	31.91	7.26	0.39	
					50	3.6	32.20	6.91	0.25	
					75	3.3	32.36	6.78	0.17	
					100	3.3	32.37	6.72	0.25	
					150					
					200					
					250					
				(118M)	BOTTOM	3.3				
8	26·V·65	0240	42°30'	65°30'	1	4.9	31.72	7.11	0.20	
					10	4.9	31.72	7.11	0.21	
					20	4.5	31.84	7.50	0.23	
					30	2.4	32.02	7.21	0.24	
					40	1.2	32.10	6.94	0.21	
					50	0.9	32.15	6.75	0.15	
					75	1.2	32.34	6.64	0.21	
					100	1.6	32.43	6.52	0.24	
					150					
					200					
					250					
				(100M)	BOTTOM	1.6				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
9	26·V·65	0520	42°00'	65°30'	1	4.9	32.42	7.10	0.35	
					10	4.9	32.40	7.16	0.26	
					20	4.9	32.42	7.12	0.27	
					30	4.8	32.44	7.14	0.23	
					40	4.6	32.46	7.20	0.35	
					50	4.2	32.64	7.23	0.32	
					75	4.3	33.30	6.48	0.18	
					100	5.0	33.65	5.86	0.11	
					150	8.2	34.67	5.12		
					200	8.2	34.87	4.23		
					250	7.0	34.84	4.33		
					BOTTOM					
10	26·V·65	0710	41°45'	65°30'	1	5.1	32.28	7.19	0.98	
					10	5.0	32.26	7.39	1.18	
					20	4.9	32.27	7.39	1.18	
					30	3.5	32.45	7.37	0.53	
					40	2.9	32.60	7.10	0.23	
					50	3.0	32.72	6.95	0.19	
					75	3.3	32.92	6.61	0.20	
					100	4.3	33.36	6.25	0.14	
					150	9.1	34.25	5.47		
					200	7.2	34.72	4.87		
					250	6.1	34.83	4.20		
					BOTTOM					
11	26·V·65	0900	41°30'	65°30'	1	5.5	32.27	7.21	0.31	
					10	5.3	32.26	7.21	0.39	
					20	5.0	32.26	7.31	0.45	
					30	3.0	32.37	7.05	0.62	
					40	3.3	32.51	6.75	0.34	
					50	3.7	32.67	6.93	0.29	
					75	5.0	33.35	6.35	0.21	
					100	7.5	33.90	5.98	0.15	
					150	9.8	34.86	5.44		
					200	10.3	35.07	5.22		
					250	10.2	35.19	5.16		
					BOTTOM					
12	26·V·65	1205	41°00'	65°30'	1	8.7	33.05	6.60	0.39	
					10	8.7	33.03	6.57	0.38	
					20	8.0	33.07	6.88	0.30	
					30	7.3	33.35	6.81	0.26	
					40	5.5	33.33	6.67	0.39	
					50	5.1	33.36	6.82	0.24	
					75	5.2	33.64	6.95	0.21	
					100	9.2	34.65	5.32	0.08	
					150	7.8	34.49	5.20		
					200	8.0	34.80	4.38		
					250	7.0	34.80	4.18		
					BOTTOM					

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
13	26·V·65	2010	40°00'	66°30'	1	17.4	35.66	5.50	0.25	
					10	17.4	35.67	5.54	0.25	
					20	17.0	35.65	5.68	0.30	
					30	16.5	35.59	5.60	0.54	
					40	16.1	35.72	5.47	0.92	
					50	15.5	35.52	5.36	0.46	
					75	15.2	35.81	4.78	0.21	
					100	14.1	35.58	4.53	0.06	
					150	13.0	35.57	3.85		
					200	12.0	35.51	3.65		
					250	10.4	35.32	3.44		
					BOTTOM					
14	26·V·65	2320	40°30'	66°30'	1	6.2	32.34	7.19	0.28	
					10	6.1	32.36	7.28	0.31	
					20	7.2	32.86	7.09	0.26	
					30	5.3	32.94	7.09	0.42	
					40	2.9	32.97	6.73	0.28	
					50	5.8	33.56	6.69	0.35	
					75	6.3	33.59	6.63	0.29	
					100	8.1	34.61	5.27	0.06	
					150	9.3	34.94	4.60		
					200	8.3	34.98	3.97		
					250	8.0	35.03	3.80		
					BOTTOM					
15	27·V·65	0110	40°45'	66°30'	1	6.3	32.13	7.44	0.79	
					10	5.8	32.12	7.80	0.53	
					20	5.2	32.17	7.78	0.60	
					30	4.8	32.19	7.81	0.90	
					40	3.9	32.37	7.70	0.55	
					50	3.0	32.71	7.26	0.35	
					75	5.3	33.81	6.20	0.10	
					100	7.2	34.30	5.53	0.08	
					150	8.3	34.85	4.62		
					200	7.3	34.90	4.11		
					250	6.7	34.86	4.25		
					BOTTOM					
16	27·V·65	0300	41°00'	66°29'	1	6.4	32.30	7.26	0.60	
					10	6.1	32.37	7.27	0.35	
					20	5.1	32.36	7.28	0.29	
					30	4.3	32.32	7.21	0.55	
					40	2.8	32.50	7.20	0.50	
					50	3.2	32.75	6.52	0.24	
					75	3.9	33.14	6.07	0.18	
					100	8.5	34.18	5.44	0.19	
					150					
					200					
					250					
				(142m)	BOTTOM	10.3				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
17	27-V-65	0610	41°30'	66°30'	1	6.3	32.40	7.34	1.29	
					10	6.1	32.38	7.44	1.47	
					20	5.8	32.39	7.49	2.73	
					30	5.2	32.42	7.23	2.69	
					40	4.7	32.44	7.10	1.26	
					50	4.5	32.45	6.98	1.26	
					75	4.2	32.51	6.75	0.95	
					100					
					150					
					200					
					250					
				(96M)	BOTTOM	4.2				
18	27-V-65	0915	42°00'	66°30'	1	7.2	32.19	6.86	0.35	
					10	7.1	32.19	6.99	0.34	
					20	6.7	32.34	7.07	0.42	
					30	5.7	32.52	6.88	0.74	
					40	5.3	32.52	6.92	0.83	
					50	5.1	32.55	6.92	1.02	
					75	5.1	32.55	686	1.06	
					100					
					150					
					200					
					250					
				(86M)	BOTTOM	5.1				
19	27-V-65	1105	42°15'	66°30'	1	6.7	32.02	6.87	0.22	
					10	6.8	32.02	7.01	0.18	
					20	4.2	32.07	7.34	0.30	
					30	3.3	32.23	7.13	0.27	
					40	3.2	32.42	6.75	0.31	
					50	3.2	32.55	6.61	0.28	
					75	3.8	32.84	6.13	0.26	
					100	4.2	33.22	5.51	0.16	
					150	5.2	33.85	5.02		
					200	6.9	34.52	4.78		
					250					
				(245M)	BOTTOM	6.3				
20	27-V-65	1255	42°30'	66°30'	1	5.4	31.92	7.10	0.29	
					10	5.2	31.90	7.13	0.29	
					20	4.2	31.85	7.27	0.29	
					30	4.0	31.90	7.17	0.29	
					40	1.9	32.12	6.89	0.24	
					50	1.7	32.19	6.76	0.22	
					75	3.0	32.65	6.94	0.24	
					100	3.9	33.16	6.24	0.15	
					150	6.8	34.32	5.07		
					200	6.8	34.65	4.70		
					250	6.8	34.70	4.62		
				(255M)	BOTTOM	6.8				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
21	27·V·65	1540	43°00'	66°30'	1	4.5	32.15	6.80	0.29	
					10	4.3	32.12	6.75	0.29	
					20	4.1	32.18	6.79	0.31	
					30	3.7	32.22	6.76	0.28	
					40	3.6	32.33	6.62	0.22	
					50	3.6	32.43	6.50	0.19	
					75	4.2	32.97	6.03	0.18	
					100	4.6	33.13	5.71	0.18	
					150					
					200					
					250					
				(135M)	BOTTOM	4.9				
22	27·V·65	1835	43°30'	66°30'	1	4.9	31.88	6.97	0.39	
					10	4.9	31.88	7.06	0.35	
					20	3.9	32.07	6.91	0.27	
					30	3.2	32.24	6.76	0.19	
					40	3.2	32.27	6.77	0.16	
					50	3.2	32.28	6.77	0.18	
					75	3.2	32.28	6.67	0.19	
					100	3.2	32.27	6.69		
					150					
					200					
					250					
				(100M)	BOTTOM	3.2				
23	27·V·65	2145	44°00'	66°30'	1	4.7	31.91	6.75	0.39	
					10	4.7	31.91	6.98	0.33	
					20	4.6	31.91	6.86	0.32	
					30	4.1	31.93	7.11	0.32	
					40	3.9	31.98	7.11	0.33	
					50	3.6	32.12	7.04	0.20	
					75	3.5	32.18	6.97	0.18	
					100					
					150					
					200					
					250					
				(90M)	BOTTOM	3.5				
24	28·V·65	0020	44°30'	66°30'	1	5.4	31.69	7.08	2.51	
					10	4.9	31.79	6.96	1.21	
					20	4.2	32.07	6.91	0.82	
					30	4.0	32.15	6.76	0.44	
					40	3.5	32.25	6.82	0.24	
					50	3.4	32.48	6.42	0.18	
					75	3.2	32.61	6.29	0.18	
					100	3.3	32.62	6.16	0.29	
					150	3.5	32.74	6.09		
					200					
					250					
				(169M)	BOTTOM	3.3				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
25	28·V·65	0455	44°28'	67°30'	1	4.9	31.61	6.80	1.34	
					10	4.6	31.66	6.90	1.03	
					20	4.2	31.71	6.98	0.57	
					30	4.2	31.72	7.01	0.54	
					40	4.1	31.73	7.13	0.48	
					50	4.1	31.76	7.06	0.35	
					75	3.9				
					100					
					150					
					200					
					250					
				(817)	BOTTOM	3.9				
26	28·V·65	0750	44°00'	67°30'	1	7.0	32.22	6.83	0.29	
					10	7.0	32.23	7.05	0.27	
					20	6.0	32.27	7.33	0.32	
					30	4.8	32.32	7.19	0.25	
					40	3.6	32.37	7.34	0.26	
					50	3.0	32.44	7.19	0.27	
					75	3.2	32.73	6.58	0.16	
					100	4.1	33.08	5.88	0.10	
					150	5.2	33.62	5.04		
					200	5.2	33.76	4.90		
					250					
				(2201)	BOTTOM	5.2				
27	28·V·65	1110	43°30'	67°30'	1	7.2	32.22	6.74	0.27	
					10	7.2	32.21	6.89	0.27	
					20	6.8	32.25	7.22	0.26	
					30	6.3	32.36	7.29	0.30	
					40	3.8	32.40	7.11	0.35	
					50	3.0	32.42	6.98	0.39	
					75	2.9	32.62	6.45	0.18	
					100	3.7	33.00	5.74	0.12	
					150	5.0	33.53	4.78		
					200	5.0	33.69	4.75		
					250					
				(2217)	BOTTOM	5.0				
28	28·V·65	1405	43°00'	67°30'	1	7.1	32.26	6.80	0.58	
					10	7.0	32.24	6.81	0.39	
					20	4.3	32.24	6.86	0.24	
					30	3.8	32.42	6.59	0.17	
					40	3.6	32.58	6.58	0.22	
					50	3.6	32.74	6.36	0.15	
					75	3.8	32.95	6.12	0.17	
					100	4.2	33.29	5.98	0.15	
					150	4.9	33.93	4.84		
					200	5.2	34.17	4.78		
					250					
				(2121)	BOTTOM	5.1				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
29	28·V·65	1725	42°30'	67°30'	1	6.6	32.21	6.85	0.44	
					10	6.6	32.21	7.05	0.41	
					20	6.6	32.24	7.22	0.44	
					30	6.2	32.29	7.11	1.00	
					40	5.6	32.31	7.20	0.74	
					50	4.9	32.33	7.07	0.33	
					75	3.2	32.57	6.55		
					100	3.8	33.06	5.94	0.21	
					150	4.9	33.79	5.15		
					200	5.8	34.28	4.97		
					250	5.2	34.55	4.92		
					BOTTOM					
30	28·V·65	1910	42°15'	67°30'	1	6.7	32.13	6.79	0.53	
					10	6.7	32.11	7.04	0.35	
					20	6.2	32.12	7.10	0.35	
					30	5.3	32.12	7.15	0.29	
					40	4.0	32.21	7.28	0.39	
					50	3.3	32.34	7.05	0.27	
					75	3.2	32.68	6.46	0.21	
					100	3.8	33.05	5.69	0.09	
					150	4.3	33.56	5.37		
					200	5.6	34.36	4.90		
					250	5.2	34.50	4.83		
					BOTTOM					
31	28·V·65	2100	42°00'	67°30'	1	6.7	32.51	6.72	1.29	
					10	6.6	32.49	6.79	1.34	
					20	6.5	32.49	6.82	1.18	
					30	6.4	32.49	6.80	1.39	
					40	6.4	32.49	6.71	1.34	
					50					
					75					
					100					
					150					
					200					
					250					
				(42M)	BOTTOM	6.4				
32	28·V·65	2345	41°30'	67°30'	1	7.3	32.55	6.58	2.28	
					10	7.3	32.55	6.77	2.21	
					20	7.2	32.55	6.77	1.99	
					30	7.3	32.55	6.72	2.25	
					40					
					50					
					75					
					100					
					150					
					200					
					250					
				(38M)	BOTTOM	7.3				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
33	29.V.65	0335	41°00'	67°30'	1	7.1	32.43	6.46	0.24	
					10	7.1	32.42	6.51	0.19	
					20	5.2	32.45	6.66	0.39	
					30	5.1	32.45	6.70	0.30	
					40	5.1	32.45	6.90	0.46	
					50	5.1	32.45	6.80	0.45	
					75					
					100					
					150					
					200					
					250					
				(74m)	BOTTOM	5.1				
34	29.V.65	0635	40°31'	67°30'	1	7.1	32.36	6.84	0.37	
					10	7.1	32.38	6.98	0.34	
					20	6.8	32.81	7.00	0.46	
					30	6.8	33.02	6.96	0.48	
					40	7.7	33.51	6.58	0.19	
					50	7.3	33.51	6.52	0.29	
					75	8.5	34.28	5.63	0.24	
					100	9.1	34.52	5.25	0.18	
					150					
					200					
					250					
				(126m)	BOTTOM	8.9				
35	29.V.65	0830	40°15'	67°30'	1	7.1	32.35	6.81	0.40	
					10	7.1	32.34	7.01	0.34	
					20	7.2	32.76	6.93	0.12	
					30	7.7	33.08	6.90	0.65	
					40	7.1	33.49	6.65	0.58	
					50	5.7	33.38	6.67	0.34	
					75	5.3	33.61	6.15	0.13	
					100	10.5	35.00	4.81	0.05	
					150	11.1	35.43	3.53		
					200	10.1	35.24	3.24		
					250	7.5	34.91	3.99		
					BOTTOM					
36	29.V.65	1015	40°00'	67°30'	1	8.6	32.80	6.65	0.19	
					10	8.4	32.99	6.65	0.21	
					20	7.8	33.20	6.82	0.34	
					30	7.5	33.37	6.70	0.60	
					40	7.2	33.52	6.64	0.57	
					50	6.1	33.61	6.39	0.26	
					75	5.9	33.75	6.20	0.16	
					100	6.2	33.97	5.83	0.09	
					150	7.7	34.66	4.69		
					200	7.2	34.75	4.27		
					250	6.5	34.80	4.14		
					BOTTOM					

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
37	29.V.65	1305	39°30'	67°30'	1	11.9	32.86	6.24	0.11	
					10	8.0	32.68	7.14	0.18	
					20	5.2	32.84	7.09	0.25	
					30	4.8	32.93	6.98	0.50	
					40	7.0	33.17	6.50	0.49	
					50	8.1	33.85	6.04	0.33	
					75	9.5	34.40	5.43	0.08	
					100	11.0	35.03	4.68	0.04	
					150	11.8	35.35	3.73		
					200	10.1	35.25	3.38		
					250	9.1	35.14	3.29		
					BOTTOM					
38	29.V.65	1735	39°30'	68°30'	1	11.2	32.70	6.29	0.17	
					10	10.9	32.93	6.49	0.26	
					20	8.9	33.70	6.63	0.45	
					30	9.0	33.89	6.49	0.66	
					40	8.1	33.78	6.36	0.39	
					50	7.9	33.62	6.34	0.29	
					75	6.1	33.73	6.08	0.24	
					100	6.3	34.11	5.62	0.08	
					150	5.8	34.59	4.67		
					200	7.6	34.87	4.11		
					250	7.0	34.88	4.18		
					BOTTOM					
39	29.V.65	2030	40°00'	68°30'	1	10.4	33.08	6.19	0.71	
					10	9.8	33.05	6.45	0.29	
					20	6.2	32.90	6.86	0.42	
					30	5.3	33.08	6.96	0.29	
					40	4.7	33.14	6.96	0.39	
					50	9.9	34.22	6.02	0.32	
					75	10.8	34.58	5.48	0.18	
					100	11.2	35.05	4.77	0.07	
					150	9.0	34.92	4.27		
					200	7.6	34.87	3.96		
					250	6.3	34.85	4.03		
					BOTTOM					
40	29.V.65	2205	40°15'	68°30'	1	8.5	32.35	6.92	0.39	
					10	7.1	32.41	7.34	0.41	
					20	5.5	32.52	7.58	0.68	
					30	5.0	32.51	7.59	0.93	
					40	4.7	32.60	7.46	4.13	
					50	4.5	32.62	7.34	4.96	
					75	4.7	32.80	7.05	5.88	
					100	5.7	33.20	6.72	0.26	
					150	7.1	34.09	5.81		
					200					
					250					
				(160M)	BOTTOM	7.7				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
41	29·V·65	2340	40°30'	68°30'	1	7.3	32.34	6.55	0.30	
					10	7.0	32.33	6.64	0.24	
					20	5.2	32.32	6.85	0.23	
					30	4.4	32.34	6.79	0.28	
					40	4.2	32.37	6.77	0.25	
					50	4.2	32.36	6.71	0.25	
					75	3.9	32.47	6.70	0.26	
					100					
					150					
					200					
					250					
				(94M)	BOTTOM	3.9				
42	30·V·65	0225	41°00'	68°30'	1	6.7	32.41	6.56	1.08	
					10	6.7	32.41	6.67	1.39	
					20	6.7	32.42	6.67	1.29	
					30	6.7	32.42	6.64	1.18	
					40	6.7	32.41	6.80	1.34	
					50	6.7				
					75					
					100					
					150					
					200					
					250					
				(53M)	BOTTOM	6.8				
43	30·V·65	0450	41°30'	68°30'	1	7.5	32.44	7.01	1.00	
					10	7.2	32.45	7.10	1.26	
					20	6.9	32.44	7.04	1.13	
					30	6.7	32.44	6.96	1.47	
					40	6.5	32.45	7.04	1.43	
					50	6.0	32.47	6.98	1.43	
					75	5.9	32.48	7.04	1.86	
					100					
					150					
					200					
					250					
				(90M)	BOTTOM	5.8				
44	30·V·65	0615	41°45'	68°30'	1	8.0	32.45	6.80	0.64	
					10	7.3	32.44	6.93	0.60	
					20	6.7	32.45	7.26	1.29	
					30	5.9	32.51	7.21	5.14	
					40	4.9	32.53	7.00	3.31	
					50	4.4	32.56	6.76	1.47	
					75	4.1	32.58	6.70	0.95	
					100	3.0	32.53	6.60	0.26	
					150	4.2	33.28	5.28		
					200					
					250					
				(181M)	BOTTOM	4.7				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
45	30.V.65	0800	42°00'	68°30'	1	8.3	32.33	6.56	0.42	
					10	8.2	32.33	6.60	0.39	
					20	7.5	32.34	6.88	0.76	
					30	6.7	32.36	6.89	0.60	
					40	5.0	32.39	6.96	0.37	
					50	3.2	32.37	6.79	0.29	
					75	2.9	32.47	6.69	0.27	
					100	2.9	32.59	6.32	0.11	
					150	4.2	33.01	5.55		
					200					
					250					
				(170M)	BOTTOM	4.7				
46	30.V.65	1100	42°30'	68°30'	1	8.2	32.33	6.52	0.29	
					10	8.0	32.33	6.74	0.27	
					20	7.6	32.33	6.98	0.50	
					30	4.5	32.37	7.04	0.44	
					40	3.4	32.42	7.06	0.30	
					50	3.0	32.44	6.90	0.26	
					75	2.9	32.52	6.59	0.21	
					100	3.0	32.64	6.28	0.20	
					150	4.2	33.10	5.28		
					200	5.0	34.11	4.68		
					250					
				(212M)	BOTTOM	5.0				
47	30.V.65	1415	43°00'	68°30'	1	7.8	32.27	6.66	0.27	
					10	7.6	32.25	6.72	0.46	
					20	6.8	32.28	6.87	0.54	
					30	5.8	32.33	7.03	0.49	
					40	4.9	32.35	7.00	0.35	
					50	3.7	32.93	6.70	0.17	
					75	2.9	32.74	6.30	0.19	
					100	3.1	32.58	5.86	0.15	
					150	4.1	33.25	5.00		
					200					
					250					
				(187M)	BOTTOM	4.5				
48	30.V.65	1705	43°30'	68°30'	1	8.5	32.17	6.76	0.39	
					10	7.9	32.16	6.82	0.87	
					20	6.5	32.20	6.92	0.53	
					30	5.5	32.23	6.76	0.34	
					40	4.2	32.29	6.74	0.35	
					50	4.0	32.38	6.57	0.17	
					75	3.9	32.47	6.35	0.09	
					100	3.9	32.58	6.21	0.08	
					150	4.7	32.96	5.99		
					200					
					250					
				(180M)	BOTTOM	4.9				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
49	30·V·65	2030	44°00'	68°30'	1	8.0	31.85	7.63	2.90	
					10	5.8	31.85	7.36	2.64	
					20	4.9	31.94	7.10	0.87	
					30	4.3	31.97	6.97	0.34	
					40	4.2	32.02	6.90	0.32	
					50	4.1	32.03	6.82	0.36	
					75	4.1	32.06	6.95	0.37	
					100					
					150					
					200					
					250					
				(87m)	BOTTOM	4.1				
50	31·V·65	0145	43°30'	69°30'	1	11.8				
					10	10.3	31.91	6.62	0.45	
					20	9.0	32.09	7.02	0.62	
					30	5.3	32.22	7.31	0.33	
					40	3.6	32.34	6.97	0.31	
					50	3.1	32.38	6.71	0.23	
					75	2.8	32.50	6.53	0.10	
					100	3.0	32.57	6.31	0.08	
					150					
					200					
					250					
				(137m)	BOTTOM	3.5				
51	31·V·65	0445	43°00'	69°30'	1	10.0	32.06	6.43	0.33	
					10	8.8	32.20	6.74	0.47	
					20	5.9	32.35	7.12	0.41	
					30	4.0	32.42	6.85	0.44	
					40	3.7	32.42	6.90	0.30	
					50	3.2	32.44	6.75	0.24	
					75	3.1	32.54	6.42	0.15	
					100	3.1	32.61	6.08	0.12	
					150	3.5	32.81	5.54		
					200					
					250					
				(152m)	BOTTOM	3.5				
52	31·V·65	0905	43°00'	70°30'	1	11.5	31.14	6.79	0.35	
					10	5.0	31.92	7.05	0.39	
					20	3.6	32.04	6.82	0.24	
					30	3.2	32.10	6.88	0.24	
					40	3.0	32.15	6.85	0.27	
					50	2.8	32.18	6.89	0.24	
					75	2.7	32.23	6.64	0.18	
					100					
					150					
					200					
					250					
				(48m)	BOTTOM	2.8				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
53	31·V·65	1155	42°30'	70°30'	1	12.3	30.76	6.35	0.39	
					10	11.9	31.32	6.54	0.32	
					20	5.0	32.01	7.09	0.39	
					30	2.8	32.22	6.75	0.23	
					40	2.6	32.29	6.58	0.22	
					50	2.6	32.31	6.52	0.18	
					75					
					100					
					150					
					200					
					250					
				(65M)	BOTTOM	2.7				
54	31·V·65	1435	42°00'	70°30'	1	11.3	31.21	6.31	0.35	
					10	11.2	31.21	6.38	0.34	
					20	6.0	31.66	6.83	1.26	
					30					
					40					
					50					
					75					
					100					
					150					
					200					
					250					
				(29M)	BOTTOM	3.2				
55	31·V·65	1945	42°30'	69°30'	1	10.0	32.32	5.70	0.17	
					10	9.0	32.34	5.92	0.24	
					20	6.9	32.34	6.36	0.53	
					30	4.8	32.38	6.22	0.38	
					40	3.8	32.39	6.08	0.29	
					50	3.1	32.41	6.02	0.18	
					75	2.9	32.52	5.82	0.19	
					100	3.1	32.66	5.52	0.11	
					150	3.8	32.89	5.24		
					200	4.2	32.63	4.09		
					250	4.5	32.86	3.77		
					BOTTOM					
56	31·V·65	2240	42°00'	69°30'	1	12.0	32.12	5.77	0.32	
					10	11.0	32.18	6.15	0.47	
					20	8.8	32.25	6.39	0.64	
					30	5.5	32.36	6.44	0.45	
					40	4.1	32.37	6.21	0.32	
					50	3.9	32.39	6.22	0.19	
					75	3.8	32.51	6.03	0.27	
					100	4.2	32.78	5.64	0.18	
					150	5.3	33.35	4.56		
					200	6.1	33.75	3.91		
					250					
				(216M)	BOTTOM	6.1				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
57	1·VI·65	0150	41°30'	69°30'	1	9.1	32.11	5.82	0.50	
					10	5.8	32.24	5.81	0.34	
					20	5.3	32.26	5.81	0.29	
					30	5.1	32.28	5.83	0.25	
					40	5.1				
					50					
					75					
					100					
					150					
					200					
					250					
				(42m)	BOTTOM	5.1				
58	1·VI·65	0530	41°00'	69°35	1	7.5	32.35	6.29	0.44	
					10	7.5	32.35	6.39	0.41	
					20	7.5	32.35	6.40	0.41	
					30	7.5	32.35	6.42	0.44	
					40					
					50					
					75					
					100					
					150					
					200					
					250					
				(38m)	BOTTOM	7.5				
59	1·VI·65	0825	40°30'	69°30'	1	9.3	32.30	6.21	0.25	
					10	7.6	32.31	6.57	0.37	
					20	5.2	32.27	7.07	0.24	
					30	4.0	32.47	6.65	0.26	
					40	4.1	32.48	6.55	0.51	
					50	4.1	32.43	6.61	0.46	
					75					
					100					
					150					
					200					
					250					
				(62m)	BOTTOM	4.1				
60	1·VI·65	1106	40°00'	69°30'	1	9.2	32.31	6.07	0.34	
					10	9.2	32.30	6.22	0.33	
					20	8.5	32.53	6.54	0.38	
					30	8.0	32.99	6.42	0.35	
					40	7.1	32.97	6.46	0.57	
					50	7.7	33.33	6.26	0.45	
					75	7.0	33.55	5.94	0.25	
					100	7.0	33.84	5.49	0.19	
					150					
					200					
					250					
				(133m)	BOTTOM	7.6				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
61	1·VI·65	1245	39°45	69°30'	1	9.5	32.75	6.08	0.28	
					10	9.3	32.86	6.15	0.32	
					20	8.8	33.51	6.23	0.39	
					30	8.2	33.82	6.09	0.66	
					40	7.9	33.66	6.07	0.62	
					50	7.0	33.80	5.92	0.26	
					75	9.0	34.37	5.32	0.15	
					100	10.4	34.72	5.11	0.08	
					150	9.0	34.77	4.76		
					200	8.0	34.93	4.11		
					250	7.4	34.93	3.91		
					BOTTOM					
62	1·VI·65	1415	39°30'	69°30'	1	9.5	32.64	6.06	0.31	
					10	9.3	33.07	6.26	0.28	
					20	5.8	33.23	6.25	0.35	
					30	5.7	33.40	5.99	0.41	
					40	6.0	33.70	5.85	0.23	
					50	6.5	34.11	5.59	0.19	
					75	7.8	34.34	5.30	0.08	
					100	8.0	34.64	4.93	0.05	
					150	8.3	34.90	4.18		
					200	7.7	34.92	3.87		
					250	6.3	34.84	4.17		
					BOTTOM					
63	1·VI·65	1840	39°30'	70°30'	1	10.3	32.30	6.23	0.20	
					10	10.0	32.31	6.38	0.21	
					20	10.5	33.22	6.34	0.29	
					30	9.1	33.04	6.57	0.17	
					40	7.8	33.27	6.61	0.45	
					50	7.0	33.34	6.37	0.48	
					75	10.9	34.76	5.56	0.23	
					100	11.8	35.06	5.25	0.08	
					150	11.2	35.21	4.23		
					200	10.2	35.20	3.76		
					250	9.2	35.13	3.54		
					BOTTOM					
64	1·VI·65	2035	39°45'	70°30'	1	12.0	32.81	5.97	0.11	
					10	11.5	32.97	6.44	0.33	
					20	9.5	33.00	6.60	0.29	
					30	8.6	33.34	6.54	0.42	
					40	6.0	33.26	6.37	0.39	
					50	7.7	33.80	6.24	0.54	
					75	9.7	34.55	5.44	0.11	
					100	12.0	35.15	5.23	0.07	
					150	10.2	34.91	4.87		
					200	9.8	35.06	4.27		
					250	8.8	35.02	3.99		
					BOTTOM					

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
65	1·VI·65	2220	40°00'	70°30'	1	11.0	32.16	6.25	0.13	
					10	10.7	32.15	6.28	0.24	
					20	6.5	32.21	7.14	0.26	
					30	3.9	32.28	7.36	0.68	
					40	3.2	32.42	6.70	0.23	
					50	3.4	32.45	6.63	0.12	
					75	3.5	32.76	6.87	0.31	
					100	6.8	33.62	6.35	0.24	
					150	10.0	34.84	5.36		
					200	8.8	35.09	4.58		
					250	7.2	34.99	4.43		
					BOTTOM					
66	2·VI·65	0130	40°30'	70°30'	1	13.1	32.33	5.89	0.17	
					10	11.7	32.31	6.10	0.28	
					20	6.0	32.19	7.24	0.25	
					30	3.3	32.27	6.92	0.29	
					40	3.8	32.45	6.50	0.24	
					50	3.8	32.45	6.40	0.28	
					75					
					100					
					150					
					200					
					250					
				(73m)	BOTTOM	3.9				
67	2·VI·65	0410	41°00'	70°30'	1	12.4	32.28	6.02	0.53	
					10	10.5	32.28	6.38	0.46	
					20	7.4	32.34	6.52	1.82	
					30	6.5	32.37	6.37	0.29	
					40	6.0	32.38	6.36	0.26	
					50					
					75					
					100					
					150					
					200					
					250					
				(49m)	BOTTOM	5.7				
68	2·VI·65	0830	41°00'	70°30'	1	13.1	31.90	5.91	0.25	
					10	13.0	31.95	5.93	0.33	
					20	5.7	32.48	6.66	0.68	
					30	3.8	32.37	6.22	0.35	
					40	3.6	32.38	6.12	0.82	
					50	3.5				
					75					
					100					
					150					
					200					
					250					
				(51m)	BOTTOM	3.5				

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l
69	2·VI·65	1150	40°30'	71°30'	1	13.3	32.40	5.97	0.21	
					10	13.1	32.39	6.02	0.25	
					20	8.8	32.25	6.73	0.21	
					30	4.1	32.34	7.25	0.24	
					40	4.0	32.48	6.60	0.39	
					50	3.2	32.50	6.60	0.27	
					75	4.0	32.74	6.25	0.21	
					100					
					150					
					200					
					250					
				(757)	BOTTOM	4.0				
70	2·VI·65	1455	40°00'	71°30'	1	12.5	32.91	6.01	0.21	
					10	12.2	32.90	6.10	0.20	
					20	10.7	32.98	6.65	0.30	
					30	8.7	33.63	6.72	1.26	
					40	10.1	34.20	6.27	1.51	
					50	10.4	34.49	5.88	0.34	
					75	11.9	34.98	5.54	0.11	
					100	12.1	35.14	5.27		
					150					
					200					
					250					
				(1031)	BOTTOM	12.1				
71	2·VI·65	1645	39°45'	71°30'	1	13.1	32.78	5.92	0.16	
					10	13.0	32.79	6.04	0.13	
					20	10.0	33.42	6.49	0.46	
					30	6.1	33.29	6.79	0.48	
					40	7.0	33.71	6.12	0.55	
					50	10.5	34.51	5.71	0.64	
					75	11.0	34.78	5.56	0.33	
					100	10.8	35.06	5.39	0.06	
					150	11.3	35.31	4.37		
					200	10.3	35.26	3.96		
					250	9.0	35.09	3.87		
					BOTTOM					
72	2·VI·65	1830	39°30'	71°30'	1	13.5	32.59	5.91	0.17	
					10	13.8	32.60	6.04	0.15	
					20	14.5	34.22	6.07	0.29	
					30	13.4	34.76	5.99	1.56	
					40	13.3	34.97	5.50	0.95	
					50	11.9	34.62	5.70	0.37	
					75	11.0	34.78	5.40	0.08	
					100	11.8	35.13	5.20	0.05	
					150	11.3	35.25	4.48		
					200	10.4	35.30	3.94		
					250	9.3	35.17	3.92		
					BOTTOM					

TABLE 1

ALB. IV CRUISE NO. 65-7

STA. NO.	DATE	TIME G.C.T.	LOCATION N. LAT	LOCATION W. LONG	DEPTH m.	T. °C	S. ‰	O_2 ml./l.	CHLOROPHYLL mg./m³	PO_4-P µg.at./l			
73	3·VI·65	0050	39°00'	72°30'	1	14.8	33.34	5.76	0.17				
					10	14.8	33.32	5.95	0.14				
					20	13.3	33.63	6.22	0.23				
					30	11.1	34.05	6.49	0.34				
					40	11.0	34.43	6.20	2.69				
					50	11.7	34.73	5.78	0.33				
					75	12.0	35.16	5.63	0.09				
					100	12.0	35.19	5.56	0.06				
					150	11.0	35.18	4.96					
					200	9.1	35.08	4.33					
					250	8.6	35.12	4.14					
					BOTTOM								
74	3·VI·65	0340	39°30'	72°30'	1	13.4	32.08	6.06	0.21				
					10	13.2	32.07	6.71	0.17				
					20	7.5	32.55	7.43	0.27				
					30	4.9	32.60	7.58	0.60				
					40	5.2	32.84	7.41	0.51				
					50	6.5	33.23	6.92	0.34				
					75	8.1	34.17	6.16	0.16				
					100	9.7	34.48	6.07	0.15				
					150								
					200								
					250								
				(120m)	BOTTOM	9.5							
75	3·VI·65	0645	40°00'	72°30'	1	15.1	31.52	5.96	0.27				
					10	15.0	31.51	6.00	0.26				
					20	9.0	32.46	7.09	0.26				
					30	5.0	32.57	7.25	0.64				
					40	4.5	32.60	6.88	0.32				
					50	3.8	32.63	6.70	0.24				
					75								
					100								
					150								
					200								
					250								
				(66m)	BOTTOM	3.8							
76	3·VI·65	0945	40°30'	72°30'	1	14.7	31.18	6.29	0.33				
					10	14.1	31.17	6.74	0.35				
					20	6.5	31.98	7.14	0.35				
					30	3.9	32.13	6.55	0.29				
					40	3.9	32.17	6.77	0.33				
					50								
					75								
					100								
					150								
					200								
					250								
				(43m)	BOTTOM	3.9							