Ödsmål. Kville sn, Bohuslän

Hällristning
Fiskare från
bronsåldern

Rock carving
Bronze age
fishermen

MEDDELANDE från
HAVSFISKELABORATORIET • LYSEKIL

nr 103

Hydrografiska avdelningen, Göteborg

DATA OF MEASUREMENTS IN THE HANÖ BIGHT AUGUST - SEPTEMBER 1970 (R/V EYSTRASALT)

by

Karl Erik Berntsson and Artur Svansson

August 1971

103

Hydrografiska avdelningen, Göteborg

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The conclusion drawn in "Meddelande från Havsfiskelaboratoriet no 103" (issued in February 1971 and composed by Billmark and Tegner) were unfortunately based on a wrong translation of the original program. It is accordingly withdrawn and in place of it a new "Meddelande" no 103 is hereby issued viz. DATA OF MEASUREMENTS IN THE HANÖ BIGHT AUGUST - SEPTEMBER 1970 (R/V EYSTRASALT) by Karl Erik Berntsson and Artur Svansson.

Please destroy the old no. 103!

DATA OF MEASUREMENTS IN THE HANÖ BIGHT AUGUST - SEPTEMBER 1970
(R/V EYSTRASALT)

by

Karl Erik Berntsson and Artur Svansson

CONTENTS

INTRODUCTION, METHODS.

During the late summer of 1969 hydrographical and biological measurements were carried out in the Hanö Bight in order to possibly shed some light on the problem of a decline in the eel fishing between the two arms of the Helgeå river outlet into the bight. The results were published in Meddelande från Havsfiskelaboratoriet no 97.

New observations were again made during the period August 30 - September 3, 1970, the results of which are published here. This time mostly surface measurements were carried out and thereby more stations could be visited.

The methods used for the parameters measured this time as well as in 1969 are not repeated here; reference is made to Medd. no 97. The following changes were made from 1969:

Temperature was read in a bucket with an ordinary thermometer of 0.1 °C accuracy.

Salinity. A salinometer, type NIO was not used during this expedition.

$KMnO_4$- Consumption was also this time determined in an acid medium.

Attenuation measured by an in situ beam transmittance meter was this time used only at 12 occasions and only with RG1. After that the instrument failed to work due to a cable break.

A Secchi disk was not used nor were bottom animals identified.

Phytoplankton Species were also this time identified by Rut Hobro.

During this expedition was additionally determined

Absorption in the wavelengths 260, 280 and 375 mμ of filtered (through a 200 mμ millipore filter) but otherwise unprepared samples in a 10 cm cuvette. This was done many weeks afterwards. From the absorption in 375 mμ was computed

$$C_{375} = \frac{A_{375} \times 10}{10 \log e}$$

This unit is the same as that measured by Jerlov (1955).

Comments to the maps, Fig:s 2-7.

Awaiting the final conclusions when the work is completed only a few comments will be presented here.

The surface drifters show (Fig. 2) that the transport was towards NE, very probably due to the S - and SW-ly winds. There is a slight upwelling of colder water along the coast (Fig. 3). Salinity (Fig. 4), however is lower in the low temperature region, possibly due to the river outlets in the area. The high values of the attenuation C_{375} (Fig. 5) might originate from the Nymölla Sulphite Pulp Industry (outlet at station 0) while the Mörrum Sulphate Pulp Industry does not seem to have such consequences.

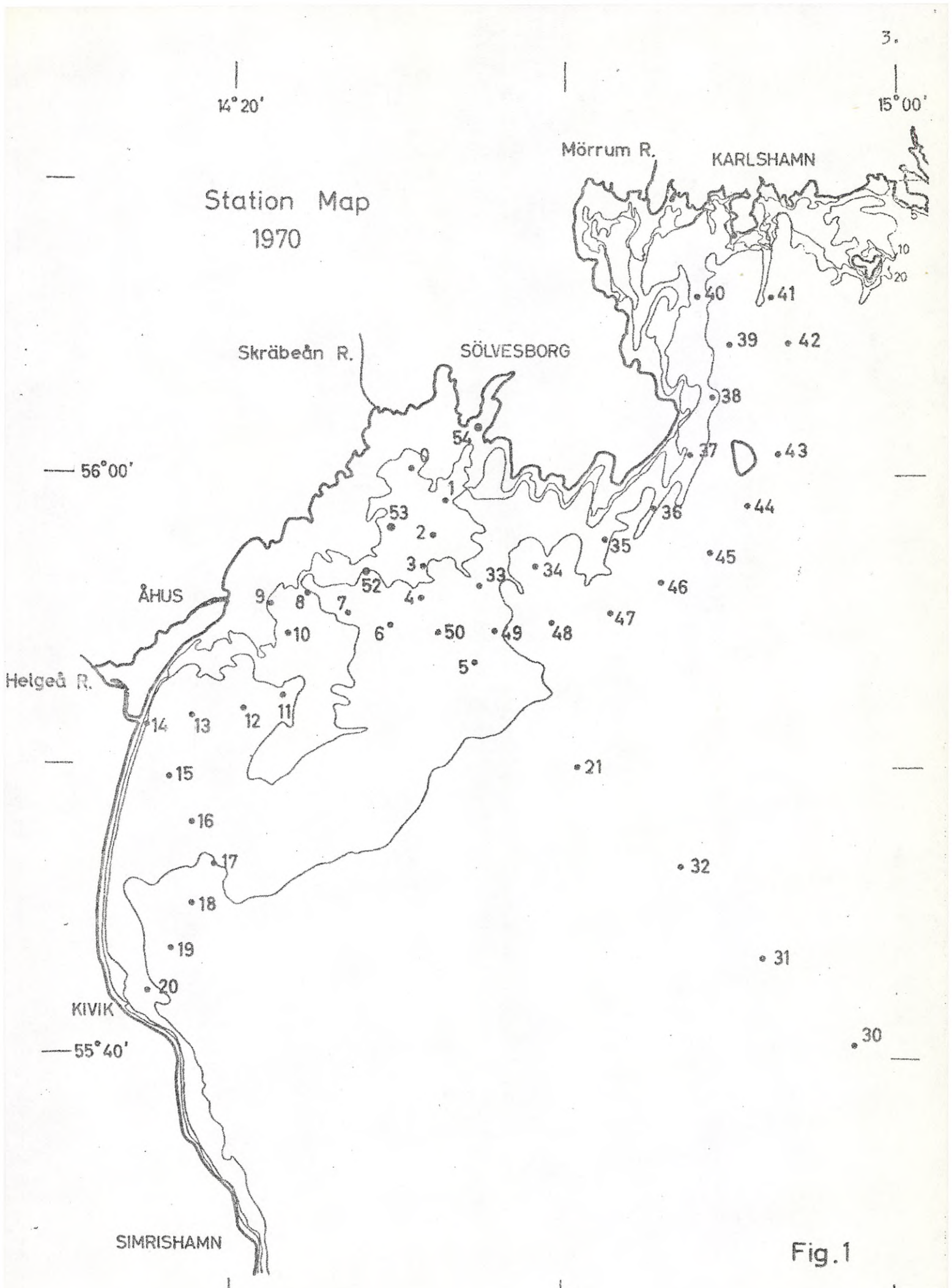
Phytoplankton biomass (Fig. 7) has nearly the same maximum areas as total phosphorus (Fig. 6). The proximity of the Helgeå river outlet to the highest maximum is striking. Table 7 shows that the total phosphorus of the river measured during August, September and October were rather high (meanvalue 1.75 µgat/l corresponding to an annual outlet of 25 tons of phosphorus, if the river discharge during this time of the year can be put equal to 15 m^3/s (Melin 1955)).

References.

Jerlov, N.G., 1955: Factors influencing the trancparency of the Baltic waters. Medd. fr. Oceanogr. institutet i Göteborg no 25.

Berntsson, K.E. and Svansson A., 1971: Data of measurements in the Hanö bight August-September 1969 (R/V Eystrasalt). Medd. fr. Havsfiskelab. no 97.

Melin, R., 1955: Vattenförningen i Sveriges floder. SMHI Medd. Serie D nr 6.


Station Map
1970
14° 20'
15° 00'
Mörrum R.
KARLSHAMN
Skräbeån R.
SÖLVESBORG
ÅHUS
Helgeå R.
KIVIK
SIMRISHAMN
56° 00'
55° 40'
5
10
20
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
30
31
32
33
34
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48
49
50
52
53
54

Fig. 1

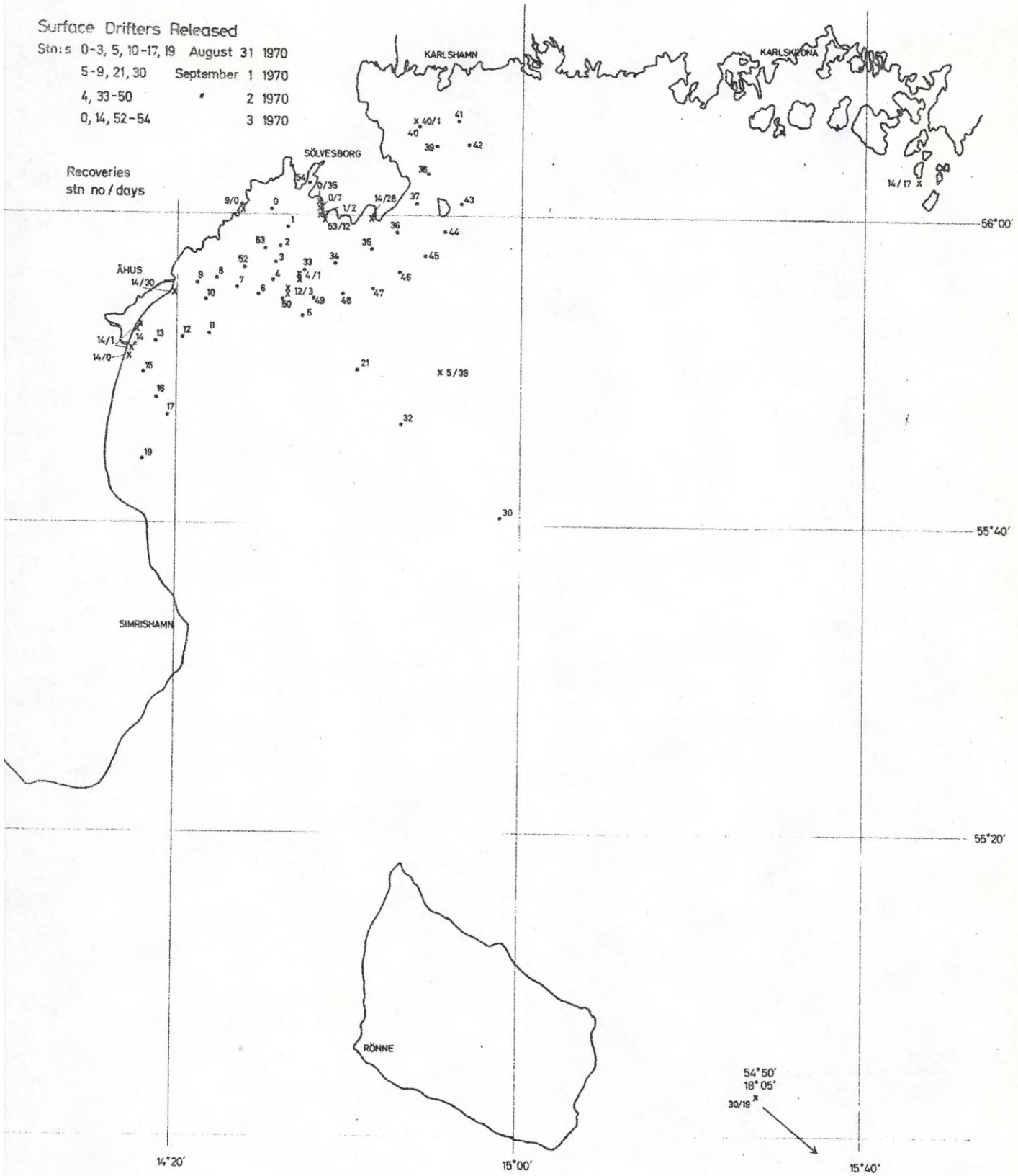
Surface Drifters Released
Stn:s 0-3, 5, 10-17, 19 August 31 1970
5-9, 21, 30 September 1 1970
4, 33-50 " 2 1970
0, 14, 52-54 3 1970
Recoveries
stn no / days
KARLSHAMN
KARLSKRONA
SÖLVESBORG
ÄHUS
14/30
SIMRISHAMN
RÖNNE
14/1
14/0
9/0
0/35
0/7
1/2
53/12
14/28
14/17
4/1
12/3
X 40/1
X 5/39
30/19
56°00'
55°40'
55°20'
14°20'
15°00'
15°40'
54°50'
18°05'

Fig. 2

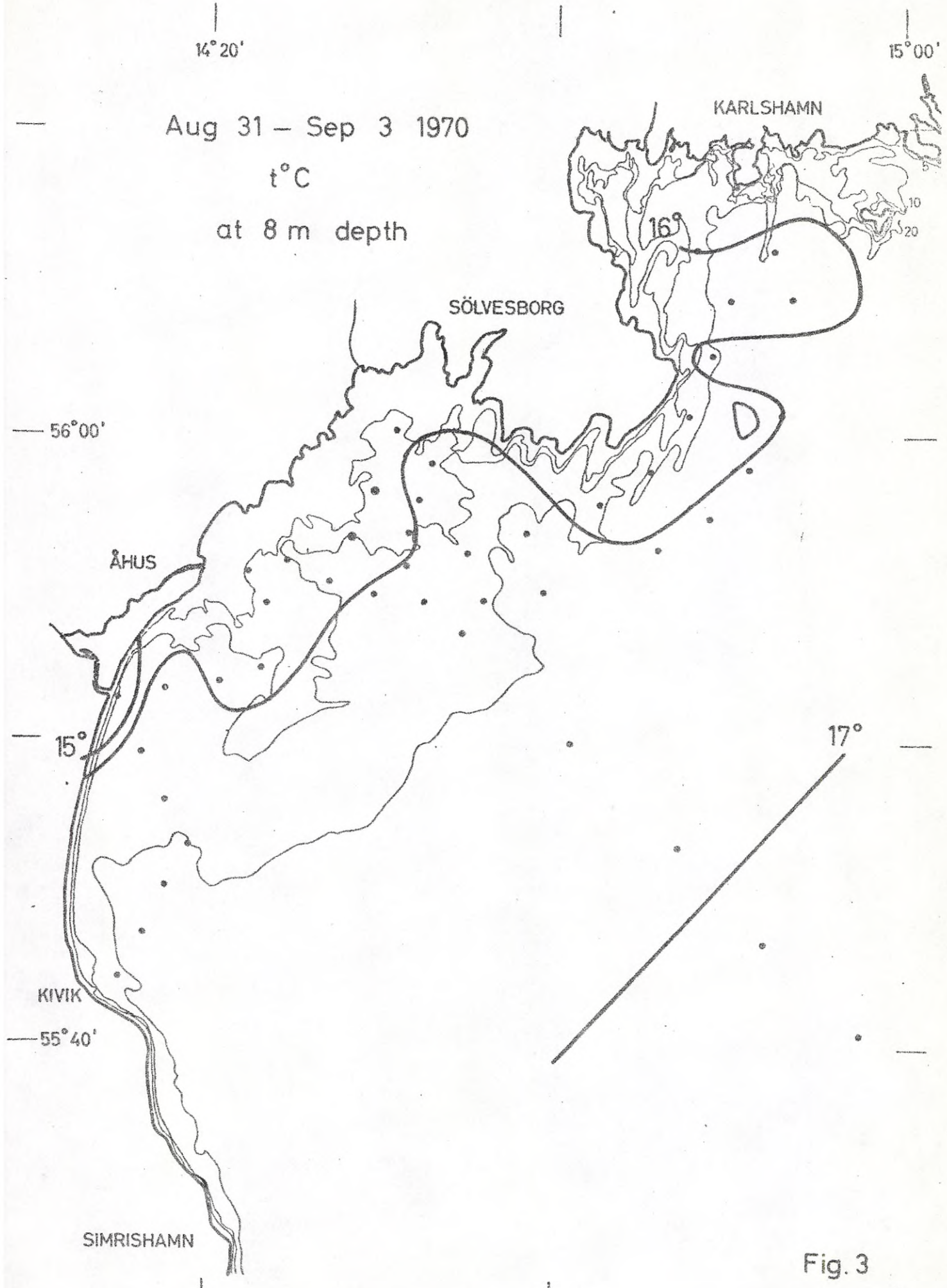
14° 20'
15° 00'
Aug 31 – Sep 3 1970
t°C
at 8 m depth
KARLSHAMN
16°
10
20
SÖLVESBORG
56° 00'
ÅHUS
15°
17°
KIVIK
55° 40'
SIMRISHAMN

Fig. 3

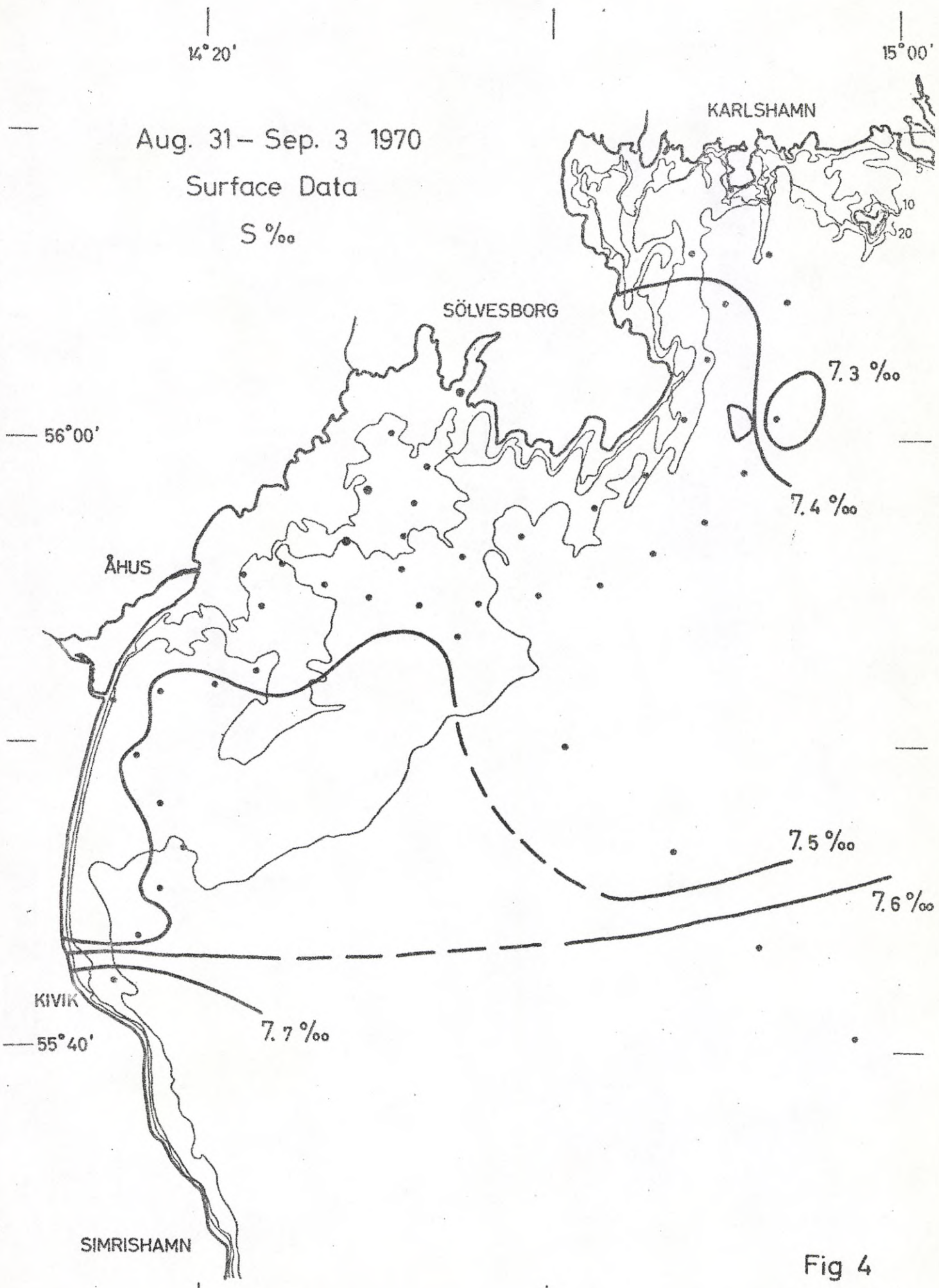
14°20'
15°00'
Aug. 31 – Sep. 3 1970
Surface Data
S ‰
KARLSHAMN
5
10
20
SÖLVESBORG
7.3 ‰
56°00'
7.4 ‰
ÅHUS
7.5 ‰
7.6 ‰
KIVIK
7.7 ‰
55°40'
SIMRISHAMN

Fig 4

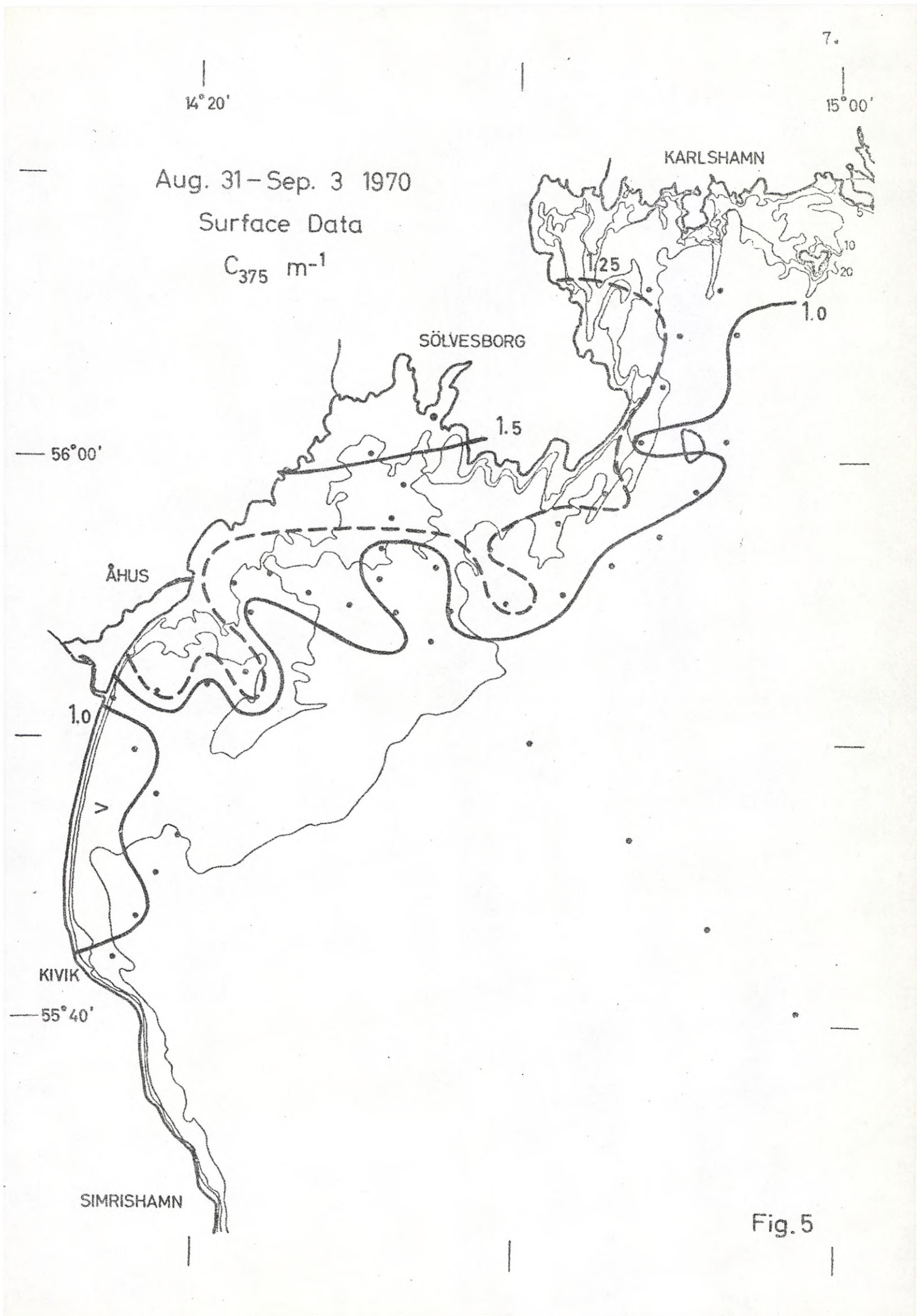
14° 20'
15° 00'
Aug. 31 – Sep. 3 1970
Surface Data
C_{375} m^{-1}
KARLSHAMN
5
10
20
1.25
1.0
SÖLVESBORG
1.5
56° 00'
ÅHUS
1.0
KIVIK
55° 40'
SIMRISHAMN

Fig. 5

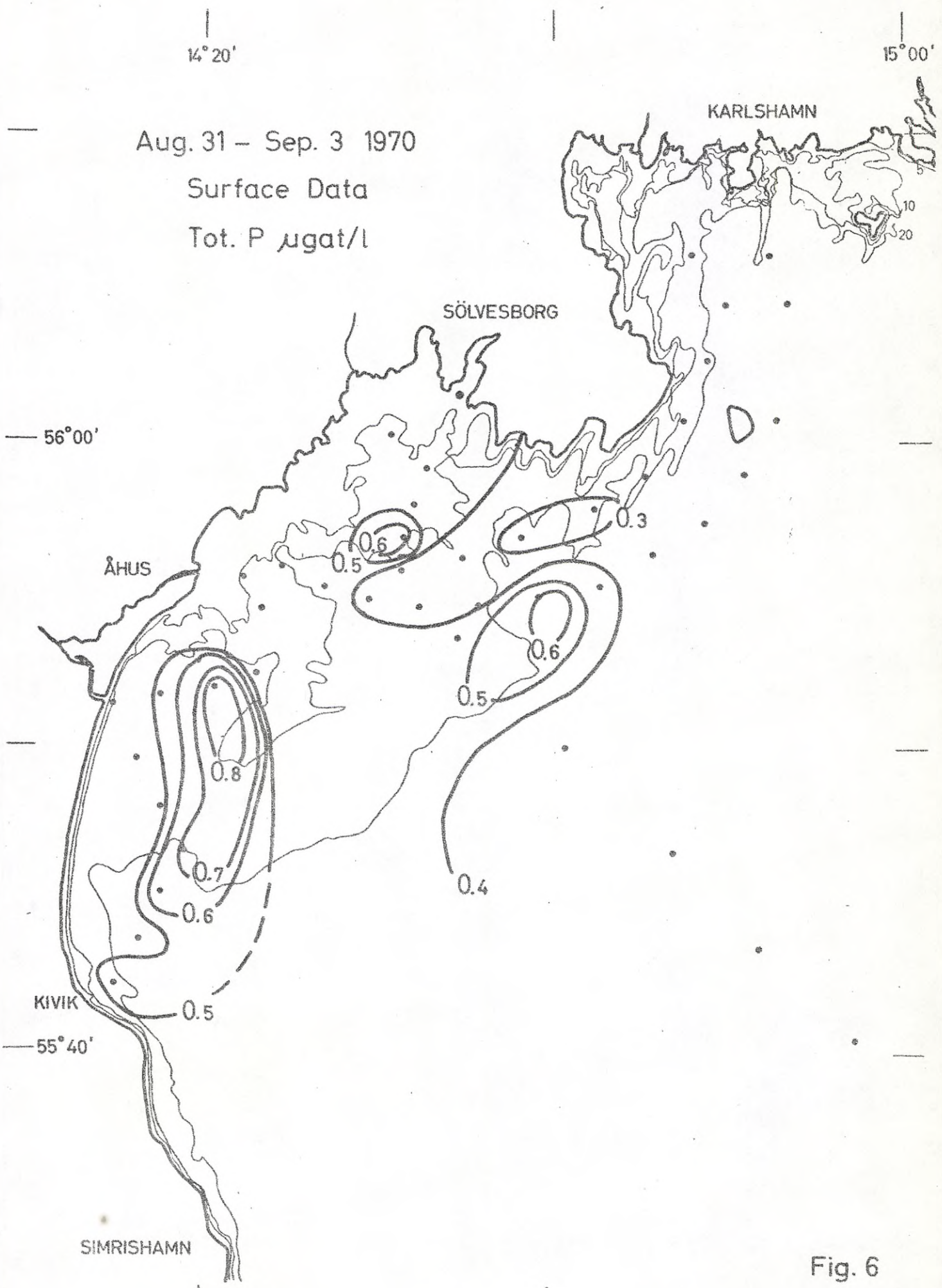
14° 20'
15° 00'
Aug. 31 – Sep. 3 1970
Surface Data
Tot. P µgat/l
KARLSHAMN
5
10
20
SÖLVESBORG
56° 00'
ÅHUS
0.6
0.5
0.3
0.6
0.5
0.8
0.7
0.6
0.4
KIVIK
0.5
55° 40'
SIMRISHAMN

Fig. 6

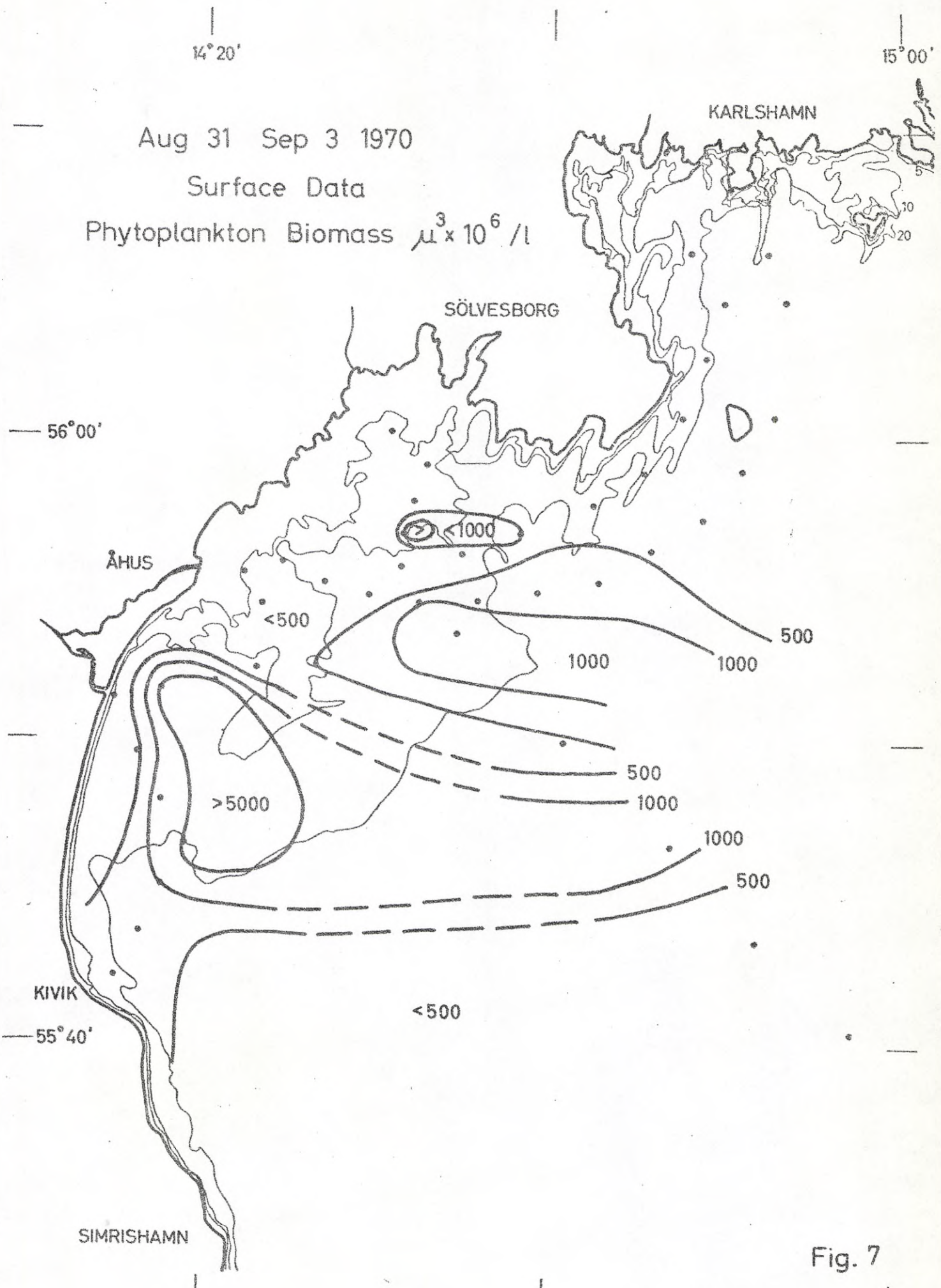
14°20'
15°00'
Aug 31 Sep 3 1970
Surface Data
Phytoplankton Biomass $\mu^3 \times 10^6$ /l
KARLSHAMN
5
10
20
SÖLVESBORG
56°00'
<1000
ÅHUS
<500
500
1000
1000
500
1000
>5000
1000
500
KIVIK
<500
55°40'
SIMRISHAMN

Fig. 7

Table 1a.

Surface Data

Eystrasalt 31/8 1970

GMT	Station		Lat.	Long.	Temp. °C	Sal. ‰	O_2 ml/l	BS7	PO_4-P µgat/l	Tot.P µgat/l	$KMnO_4$ mg/l	Färg
08^{45}	Hanö	20	55° 42.2′	14° 15.0′	16.9	7.705	7.09	0.76		0.53	32	
09^{00}		19	55° 43.7′	14° 16.4′	16.9	7.489	7.08	0.80	0.16	0.43	36	
09^{35}		18	55° 45.2′	14° 17.7′	16.8	7.514	7.16	0.93	0.32	0.63	40	
09^{55}		17	55° 46.6′	14° 19.1′	17.3	7.527	7.03	1.13	0.11	0.71	43	
10^{10}		16	55° 48.1′	14° 17.7′	17.0	7.542	7.04	0.86	0.07	0.41	45	
10^{30}		15	55° 49.7′	14° 16.2′	17.0	7.532	7.22	0.80	0.19	0.41	45	
10^{50}		14	55° 51.4′	14° 15.0′	16.1	7.457	6.89	0.70	0.21	0.49	36	
11^{10}		13	55° 51.7′	14° 17.7′	17.1	7.534	7.10	1.29	0	0.52	52	
11^{30}		12	55° 51.9	14° 20.7′	17.2	7.502	7.27	1.69	0	0.80	41	
11^{40}		11	55° 52.3′	14° 23.0′	15.8	7.408	7.04	0.71		0.35	31	
12^{10}		10	55° 54.5′	14° 23.4′	16.1	7.474	6.91	0.40	0.24	0.46	40	
12^{55}		5	55° 53.5′	14° 34.7′	17.0	7.495	7.13	0.99	0.16	0.47	39	
13^{30}		3	55° 56.9′	14° 31.5′	16.9	7.475	7.01	0.65	0.11	0.67	47	
13^{55}		2	55° 58.0′	14° 32.0′	16.7	7.460	6.86	0.49	0.21	0.42	46	
14^{00}		1	55° 59.2′	14° 32.8′	16.8	7.457	6.87	0.51	0.16	0.39	38	
14^{30}		0	56° 00.3′	14° 30.8′	16.6	7.420	7.02	0.63	0.18	0.43	44	
15^{20}		8	55° 56.0′	14° 24.6′	16.6	7.464	7.03	0.58	0.21	0.45	45	
15^{30}		9	55° 55.5′	14° 22.3′	16.3	7.462	6.84	0.75	0.21	0.42	39	

Table 1b.

Surface Data

Eystrasalt 1/9 1970

GMT	Station	Lat.	Long.	Temp. °C	Sal. ‰	O_2 ml/l	BS7	PO_4-P µgat/l	Tot.P µgat/l	$KMnO_4$ mg/l	Färg
07^{20}	Hanö 9	55° 55.5′	14° 22.3	16.0	7.399	6.90	0.58	0.11	0.46	30	5
07^{35}	8	55° 56.0′	14° 24.6′	16.0	7.463	6.84	0.42	0.11	0.49	36	4
07^{45}	7	55° 55.3′	14° 27.0′	16.1	7.472	6.87	0.51	0.13	0.46	36	4
08^{10}	6	55° 54.8′	14° 29.5′	16.5	7.496	6.98	0.54	0.07	0.36	40	4
08^{30}	5	55° 53.5′	14° 34.7′	16.6	7.495	7.08		0.06	0.46	48	4
10^{00}	21	55° 46.5′	14° 47.2′	16.8	7.468	7.00	0.68	0	0.37	48	4
11^{15}	30	55° 40.5′	14° 57.5′	17.2	7.614	6.96	0.78	0	0.31	36	4
11^{55}	31	55° 43.5′	14° 52.0′	17.3	7.633	6.98	0.77	0	0.31	48	4
13^{00}	32	55° 50.0′	14° 41.0′	16.7	7.409	7.06	0.77	0	0.36	44	4

Table 1c.

Surface Data

Eystrasalt 2/9 1970

GMT	Station	Lat.	Long.	Temp. °C	Sal. ‰	O_2 ml/l	BS7	PO_4-P µgat/l	Tot.P µgat/l	$KMnO_4$ mg/l	Färg
07^{35}	Hanö 4	55° 55.8′	14° 31.3′	16.0	7.482	6.90	0.90	0.09	0.39	42	4
07^{50}	33	55° 56.3′	14° 34.8′	16.4	7.485	6.98	0.71	0.06	0.33	44	4
08^{15}	34	55° 56.8′	14° 38.3′	16.4	7.476	6.94	0.81	0.11	0.27	46	4
08^{35}	35	55° 57.8′	14° 42.5′	16.0	7.468	6.82	0.56	0.08	0.26	45	4
08^{55}	36	55° 58.8′	14° 45.4′	15.5	7.464	6.70	0.60		0.36	39	4
09^{25}	37	56° 00.6′	14° 47.7′	15.7	7.459	6.77	0.65	0.16	0.33	37	4
09^{45}	38	56° 02.5′	14° 49.1′	16.1	7.428	6.92	0.57	0.07	0.30	43	4
10^{00}	39	56° 04.4′	14° 50.0′	16.0	7.425	7.01	0.57	0.07	0.33	60	5
10^{15}	40	56° 06.0′	14° 48.0′	16.2	7.382	6.86	0.48	0.11	0.36	39	4
10^{30}	41	56° 06.0′	14° 50.5′	16.4	7.387	7.01	0.64	0.09	0.35	54	4
10^{50}	42	56° 04.5′	14° 53.6′	16.0	7.353	6.98	0.53	0.05	0.32	35	4
11^{20}	43	56° 00.7′	14° 53.0	16.3	7.241	6.98	0.58	0.01		32	4
11^{40}	44	55° 59.0′	14° 51.1′	16.2	7.460	6.87	0.44	0.09	0.35	42	4
12^{00}	45	55° 57.3′	14° 48.9′	16.3	7.469	7.00	0.54	0.05	0.35	41	4
12^{20}	46	55° 56.3′	14° 45.9	16.4	7.483	6.92	0.51	0.06	0.35	40	4
12^{40}	47	55° 55.2′	14° 42.8′	16.6	7.482	6.97	0.86	0.02	0.41	44	4
13^{00}	48	55° 54.9′	14° 39.3′	16.6	7.494	6.96	0.88	0.03	0.60	43	4
13^{20}	49	55° 54.7′	14° 35.8	16.5	7.487	6.99	0.62	0.04	0.36	44	4
13^{45}	50	55° 54.6′	14° 32.3′	16.3	7.474	6.90	0.49	0.09	0.34	41	4
14^{00}	6	55° 54.8′	14° 29.5′	15.9	7.478	6.82	0.41	0.16	0.40	44	4
14^{10}	7	55° 55.3′	14° 27.0′	16.0	7.470	6.76		0.12	0.39	30	4
14^{30}	9	55° 55.5′	14° 22.3′	15.2	7.499	6.76		0.18	0.40	37	4
14^{40}	51	Åhus hamnmynning		15.7	7.420	6.81		0.40	1.50	44	4

Table 1d.

Surface Data

Eystrasalt 3/9 1970

GMT	Station	Lat.	Long.	Temp. °C	Sal. ‰	O_2 ml/l	BS7	PO_4-P µgat/l	Tot.P µgat/l	$KMnO_4$ mg/l	Färg
07^{30}	Hanö 52	55° 56.6′	14° 27.9′	15.8	7.475	6.63	0.61	0.17	0.42	39	5
07^{45}	53	55° 58.1′	14° 30.2′	15.7	7.474	6.69	0.41	0.16	0.41	38	6
08^{15}	0	56° 00.3′	14° 30.8′	15.9	7.542	6.68	0.98	0.22	0.55	44	9
08^{35}	1	55° 59.2′	14° 32.8′	16.0	7.472	6.71	0.51	0.17	0.52	42	5
09^{10}	54	Sölvesborgs hamn		17.1	7.430	6.33	0.84	0.74	1.42	41	9
15^{00}	Gropahålet	Helgeå mynning		15.7	7.429	6.73	1.22		0.83	40	9
15^{10}	300 m N om	Helgeåmynning		15.7	7.436				0.88	36	7

Table 2a.

Eystrasalt August 31, 1970

Bathythermograph Temperature °C

Station	Hanö	20	19	18	17	16	15	14	13	12	11	10	5	3	2	1	0
Depth	0 m	16.9	16.9	16.8	17.3	17.0	17.0	16.1	17.1	17.2	15.8	16.1	17.0		16.7	16.8	16.6
	1	16.9	16.9	16.8	17.3	17.0	16.9	16.1	17.1	17.0	15.7	16.1	17.0		16.7	16.8	16.6
	2	16.9	16.6	16.7	17.3	17.0	16.8	16.1	17.1	16.9	15.6	16.1	16.9		16.7	16.8	16.6
	3	16.9	16.5	16.5	17.3	17.0	16.7	16.1	17.1	16.8	15.8	16.1	16.8		16.7	16.8	16.6
	4	16.8	16.5	16.4	17.1	16.8	16.6	15.9	17.0	16.6	16.0	16.0	16.8		16.6	16.7	16.6
	5	16.8	16.5	16.3	17.1	16.7	16.5	15.7	16.9	16.5	15.8	15.5	16.6		16.5	16.6	16.6
	6	16.7	16.4	16.3	17.0	16.6	16.5	15.0	16.8	15.9	15.7	15.3	16.4		16.4	16.5	16.3
	7	16.6	16.4	16.3	16.9	16.6	16.5	14.9	16.6	15.6	15.4	15.3	16.3		16.4	16.1	15.7
	8	16.6	16.4	16.3	16.8	16.6	16.5	14.9	16.4	15.4	15.3	15.3	16.2		16.3	15.9	15.5
	9	16.6	16.1	16.3	16.8	16.5	16.5	14.9	16.0	15.3	15.2	15.2	16.2		16.1	15.8	
	10	16.5	15.5	16.3	16.8	16.5	16.5	14.8	15.7	15.2			16.1		15.7	15.6	
	11	16.2	15.1	16.3	16.8	16.5	16.5	14.8	15.5	15.2			15.9		15.5	15.4	
	12	15.3	15.0	16.3	16.8	16.5	16.1	14.8	15.4	15.2			15.3		15.3	15.0	
	13	15.0	14.9	15.9	16.8	16.5	15.7		15.3	15.1			15.1				
	14	14.3	14.6	15.4	16.6	16.5	15.2		15.3	15.1			15.0				
	15		14.0	15.3	16.3	16.4			15.3	15.1			15.0				
	16		13.9	15.1	16.0								15.0				
	17		13.5	15.0	15.7												
	18		11.7	14.9													
	19		11.1	14.8													
	20			14.6													

Table 2b.

Eystrasalt September 1-2, 1970

Bathythermograph Temperature °C

Station	Hanö	9	8	7	6	5	21	30	31	32	4	33	34	35	36	37	38
Depth	0 m	16.0	16.0	16.1	16.5	16.6	16.8	17.2	17.3	16.7	16.0	16.4	16.4	16.0	15.5	15.7	16.1
	1	16.0	16.0	16.1	16.5	16.6	16.8	17.2	17.3	16.7	16.0	16.4	16.4	16.0	15.5	15.7	16.1
	2	16.0	16.0	16.1	16.5	16.6	16.8	17.1	17.3	16.7	16.0	16.4	16.4	16.0	15.5	15.7	16.1
	3	16.0	16.0	16.1	16.5	16.6	16.8	17.1	17.3	16.7	16.0	16.4	16.4	16.0	15.5	15.7	16.1
	4	15.9	16.0	16.1	16.5	16.6	16.8	17.1	17.3	16.7	16.0	16.4	16.4	16.0	15.5	15.7	16.1
	5	15.8	16.0	16.0	16.5	16.6	16.8	17.1	17.3	16.7	16.0	16.4	16.4	16.0	15.5	15.7	16.1
	6	15.4	16.0	16.0	16.6	16.6	16.8	17.1	17.3	16.7	16.0	16.4	16.4	16.0	15.5	15.7	16.1
	7	15.4	16.0	16.0	16.5	16.6	16.8	17.1	17.3	16.7	16.0	16.4	16.4	16.0	15.5	15.7	16.1
	8	15.3	15.8	15.9	16.5	16.5	16.8	17.1	17.3	16.7	16.0	16.4	16.4	15.9	15.5	15.7	16.1
	9	15.2	15.3	15.8	16.4	16.4	16.8	17.0	17.3	16.6	16.0	16.4	16.4	15.7	15.4	15.3	16.0
	10	15.2	15.1	15.6	16.3	15.9	16.8	17.0	17.3	16.6	15.8	16.3	16.3	15.5	15.2	14.8	15.7
	11		15.0	15.1	16.0	15.5	16.8	17.0	17.2	16.6	15.1	16.2	16.3	15.1	14.2	14.3	15.3
	12		14.9	15.0	15.5	15.2	16.7	17.0	17.2	16.5	15.0	15.9	16.2	15.0	13.0	13.8	14.9
	13			14.8	15.3	15.1	16.7	16.9	17.2	16.5		15.6	15.7	14.8	12.3	13.3	14.6
	14			14.7	14.9	15.0	16.6	16.8	17.1	16.5		15.4	15.2	14.3	12.2	12.8	14.0
	15			14.6		15.0	16.6	16.7	17.1	16.3		15.3	15.0	13.8		12.0	13.3
	16			14.5		14.9	16.3	16.5	17.0	16.1		15.0	14.9			10.0	11.5
	17					14.9	16.0	16.3	16.6	15.9			14.9				10.4
	18					14.5	15.7	15.7	15.8	15.5			14.8				8.0
	19						15.4	14.2	15.6	14.9			14.0				7.3
	20						15.4	13.7	14.0	13.5							7.1
	21																7.0
	25						10.0	7.0	9.5	6.3							
	30						8.1	4.7	6.5	5.3							
	35						5.8	4.0	5.5	8.7							
	40						5.0	3.2	4.0								
	45						6.5	3.3	5.0								
	50							7.7									
	54							8.9									
	60							5.0									

Table 2c.

Eystrasalt September 2-3, 1970

Bathythermograph Temperature °C

Station	Hanö	39	40	41	42	43	44	45	46	48	49	50	6	7	9	52	53	0	1	54
Depth	0 m	16.0	16.2	16.4	16.0	16.3	16.2	16.3	16.4	16.6	16.5	16.3	15.9	16.0	15.2	15.8	15.7	15.9	16.0	17.1
	1	16.0	16.2	16.4	16.0	16.3	16.2	16.3	16.4	16.6	16.5	16.3	15.9	16.0	15.2	15.8	15.7	15.9	16.0	17.1
	2	16.0	16.2	16.4	16.0	16.3	16.2	16.3	16.4	16.6	16.5	16.3	15.9	16.0	15.2	15.8	15.7	15.9	16.0	17.1
	3	15.9	16.2	16.4	16.0	16.3	16.2	16.3	16.4	16.6	16.5	16.3	15.9	16.0	15.2	15.8	15.7	15.9	16.0	17.1
	4	15.9	16.2	16.3	15.9	16.3	16.2	16.3	16.4	16.6	16.5	16.2	15.8	16.0	15.2	15.8	15.7	15.9	16.0	17.1
	5	15.8	16.2	16.3	15.9	16.2	16.2	16.3	16.4	16.6	16.5	16.2	15.8	16.0	15.1	15.8	15.7	15.9	16.0	
	6	15.8	16.2	16.3	15.8	16.2	16.2	16.3	16.4	16.6	16.4	16.2	15.7	15.8	15.1	15.8	15.7	15.9	16.0	
	7	15.7	16.1	16.2	15.7	16.1	16.2	16.2	16.4	16.6	16.4	16.2	15.7	15.7	15.1	15.8	15.7	15.9	16.0	
	8	15.7	16.0	15.8	15.7	16.0	16.1	16.2	16.3	16.5	16.4	16.2	15.7	15.7	15.1	15.8	15.7	15.9	16.0	
	9	15.6	15.5	15.7	15.7	15.8	16.1	16.1	16.3	16.5	16.3	16.1	15.6	15.5		15.8	15.7		15.9	
	10	15.3	15.2	15.2	15.7	15.7	16.1	16.1	16.3	16.4	16.3	15.9	15.5	15.4		15.7	15.7		15.7	
	11	15.0	14.3	14.0	15.6	15.5	15.9	15.8	16.2	16.3	16.2	15.4	15.3	15.4					15.4	
	12	14.5	13.8	12.0	15.4	15.2	14.8	15.5	15.7	16.3	15.9	14.9	15.1							
	13	13.9	12.3	11.3	15.2	14.7	14.7	14.7	15.2	16.2	15.8	14.7	14.7							
	14	12.3	10.9	10.5	14.0	14.5	14.6	14.3	14.7	15.5	15.2	14.5								
	15	11.3		9.5	12.0	14.0	14.4	14.2	14.3	14.7	15.0	14.3								
	16	9.8		8.5	11.0	13.3	14.1	14.0	13.5	14.3										
	17	8.8		8.2	10.7	12.7	13.7	13.8	12.0	14.1										
	18	8.2		7.9	10.2	11.0	13.3	13.7	11.0	13.8										
	19	7.7		7.9	9.6	10.3	12.5	13.0	9.5	13.5										
	20	7.6		7.7	9.0	9.3	10.5	9.9		13.0										
	21			7.6						10.5										
	22			7.5																
	23			7.5																
	24							8.4												
	25	6.7			6.5	6.6	6.3													
	30	6.0			6.3	6.0	6.0													

Table 3.

"Eystrasalt"

77 Sweden 1970 Station Hanö 21

Hydro Depth Observations (Code 0 3)

Station No.	Lat. °	Lat. ′	Long. °	Long. ′	N S E W	Date Year	Date Mo.	Date Day	Station time	Depth to bottom	Max. obs. depth	Mixed layer depth	Wind Dir.	Wind Sp. kn.	Temperature Dry bulb	Temperature Wet bulb	Weather	Cloud amount	State of sea	Ice
5 6 7 8	9 10	11 12	13 14 15	16 17	18	19 20 21	22 23	24 25	26 27	28 29 30 31	46 47	48 49 50	51 52	53 54	55 56 57	58 59 60	61	62	63	64
0070	55	47	014	47	0	970	09	01	10	0048	00		18	12			68		2	0

Obs. time	Obs. depth	Temp.	Sal.	σ_t	Oxygen ml/l	Oxygen %	BS7	Tot.P µgat/l	$KMnO_4$ mg/l	Färg	Sal. method	Extra info.
26 27	28 29 30 31	32 33 34 35	36 37 38 39 40	41 42 43 44 45	58 59 60	61 62 63 64					77	78
10	0000	1675	07468	0460	700		0.68	0.37	48	4	3	3
	0005	1660	07447	0462	719		0.56	0.37	40	4		
	0010	1665	07449	0461	729		0.65	0.35	52	4		
	0015	1671	07631	0474	673		0.40	0.32	48	4		
	0020	1568	07695	0497	655		0.45	0.27	42	4		
	0030	0845	07876	0605	737		1.32	0.36	52	3		
	0040	0406	08190	0657	757		1.45	0.42	42	4		

BT Slide Ey 52/873B, N 55°46.5′ E 14°47.2′, Observer: Svansson

Table 4a.

Absorption in 10 cm cell.

Date	Station Hanö	A_{260}	A_{280}	C_{375} m^{-1}
31.8.70	20	0.611	0.423	0.967
	19	0.672	0.485	1.082
	18	0.575	0.398	0.921
	16	0.568	0.391	0.852
	15	0.594	0.414	1.059
	14	0.587	0.408	0.898
	13	0.696	0.515	1.243
	12	0.629	0.444	1.013
	11	0.623	0.443	1.266
	10	0.606	0.427	0.944
	5	0.571	0.391	0.829
	3	0.592	0.414	0.990
	2	0.646	0.466	1.405
	1	0.691	0.501	1.474
	0	0.660	0.480	1.335
	8	0.644	0.460	1.312
	9	0.637	0.460	1.082
1.9.70	9	0.601	0.419	1.036
	8	0.589	0.413	0.967
	7	0.598	0.422	1.105
	6	0.596	0.417	1.059
	5	0.649	0.475	1.151
	21: 0 m	0.564	0.385	0.783
	5 m	0.581	0.399	0.875
	10 m	0.620	0.440	1.151
	15 m	0.556	0.382	0.783
	20 m	0.548	0.375	0.783
	40 m	0.572	0.403	0.990
	30	0.572	0.396	0.921
	31	0.582	0.405	0.967
	32	0.574	0.399	0.898
2.9.70	4	0.576	0.396	0.898
	33	0.577	0.396	0.898
	34	0.605	0.426	1.128

Table 4b.

Absorption in 10 cm cell.

Date	Station Hanö	A_{260}	A_{280}	C_{375} m^{-1}
2.9.70	35	0.614	0.437	1.128
	36	0.662	0.483	1.266
	37	0.588	0.407	0.967
	38	0.602	0.426	1.036
	39	0.602	0.425	1.220
	40	0.650	0.458	1.220
	41	0.633	0.446	1.197
	42	0.577	0.401	0.944
	43	0.576	0.398	0.967
	44	0.617	0.438	1.036
	45	0.603	0.424	0.967
	46	0.585	0.407	0.967
	47	0.736	0.557	1.497
	48	0.660	0.478	1.289
	49	0.592	0.416	1.036
3.9.70	0	0.853	0.653	2.095
	Sölvesborg	0.718	0.525	1.658

Table 5a.

Dominating phytoplankton species/l

Station Hanö		20	19	18	17	16	15	14	13	12	11	10
CYANOPHYTA	Unit											
Anabaena (straight)	m	1.0	+	+	+	+	+		+	+		+
Anabaena (trailed)	cell	12	8	8	4							+
Aphanizomenon flos-aquae	m	8.2	5.7	12.1	15.8	10.5	8.0	+	20.8	22.8	+	
Gomphosphaeria lacustris	kol							+				+
Nodularia spumigena	m	3.1	1.8	3.8	10.1	6.9	1.3		12.3	9.8	+	
Narrow bluegreen threades	m							+				
EUGLENOPHYTA												
Euglenid	cell	1	+					+	+	+	+	+
PYRROPHYTA												
Amphidinium sp.	"											
Ebria tripartita	"	1		+	+	+					+	
Dinophysis spp.	"	+										
Gymnodinium sp.	"	1	1	1	5	2	1	1	+	4	4	+
Phalacroma rotundatum	"		+				+					
Peridinium sp.	"				+			21	2	4	8	2
CHRYSOPHYTA												
Chaetoceros danicus	"											
Licmophora sp.	"											
Rhoicosphenia curvata	"	+										
Synedra spp.	"					+				+		
Thalassiosira baltica	"											+
CHLOROPHYTA												
Ankistrodesmus sp.	"	11	4	178	29030	14008	252	1	28218	24023	1	+
Oocystis spp.	kol	1	2	1	1	3	2	+	1	2	1	+
Scenedesmus quadricauda	cell										+	
Monads, small	"	79	46	40	32	47	49	48	45	32	78	25

Table 5b.

Dominating phytoplankton species/l

Station Hanö		5	3	2	1	8	9	9	8	7	6	5
CYANOPHYTA	Unit											
Anabaena (straight)	m	+	+	+	+			+		+	+	+
Anabaena (trailed)	cell	8	4		12	+			8	8	+	+
Aphanizomenon flos-aquae	m	8.2	8.0	2.0	+	+			+	+	2.4	13.3
Gomphosphaeria lacustris	kol											
Nodularia spumigena	m	8.3	8.2	1.4	1.0	+	+	+		+	+	5.5
Narrow bluegreen threades	m											
EUGLENOPHYTA												
Euglenid	cell	1		+	+	2	+	+	+	+		
PYRROPHYTA												
Amphidinium sp.	"											
Ebria tripartita	"	+	+	+								+
Dinophysis spp.	"											+
Gymnodinium sp.	"		+	1	1	+	+		+		+	1
Phalacroma rotundatum	"											
Peridinium sp.	"	1	+	1	1	3	3	5	1	+		
CHRYSOPHYTA												
Chaetoceros danicus	"						+					
Licmophora sp.	"											
Rhoicosphenia curvata	"											
Synedra spp.	"									+		
Thalassiosira baltica	"					+	+	+	+	+		
CHLOROPHYTA												
Ankistrodesmus sp.	"	221	4	+	+				+	+	1	1
Oocystis spp.	kol	1	2		+	+			+	+	1	1
Scenedesmus quadricauda	cell											
Monads, small	"	145	59	57	25	47	22	21	15	31	17	54

Table 5c.

Dominating phytoplankton species/l

Station Hanö		21	21	21	21	21	21	21	30	31	32	4
Depth		0	5	10	15	20	30	40	0	0	0	0
CYANOPHYTA	Unit											
Anabaena (straight)	m	1	+								+	
Anabaena (trailed)	cell	+									16	
Aphanizomenon flos-aquae	m	9.9	4.9	6.9	+	+			1.0	+	11.4	+
Gomphosphaeria lacustris	kol											
Nodularia spumigena	m	1.5	2.4	1.0	+		+			+	4.1	+
Narrow bluegreen threades	m	+	+									
EUGLENOPHYTA												
Euglenid	cell						+		+	+		+
PYRROPHYTA												
Amphidinium sp.	"	+										
Ebria tripartita	"	+	+				+		+		1	
Dinophysis spp.	"										+	
Gymnodinium sp.	"	1	+							+	2	+
Phalacroma rotundatum	"	+	+		+							
Peridinium sp.	"											1
CHRYSOPHYTA												
Chaetoceros danicus	"		+		+							+
Licmophora sp.	"											
Rhoicosphenia curvata	"											
Synedra spp.	"											
Thalassiosira baltica	"				+	1	+					
CHLOROPHYTA												
Ankistrodesmus sp.	"	56	65	3	1	+		+	5	1	132	38
Oocystis spp.	kol	2	1	1	2	1	+	+	1	3		+
Scenedesmus quadricauda	cell											
Monads, small	"	99	78	69	18	17	21	4	53	72	81	35

Table 5d.

Dominating phytoplankton species/l

Station Hanö		33	34	35	36	37	38	39	40	41	42	43
CYANOPHYTA	Unit											
Anabaena (straight)	m	+	+			+		+	+	+		+
Anabaena (trailed)	cell		28	28				1	14	32		112
Aphanizomenon flos-aquae	m	1.2	4.1	+		+	+	1.8	1.0	3.3	2.6	9.0
Gomphosphaeria lacustris	kol										+	+
Nodularia spumigena	m	1.5	1.6	+		+	1.0	+	+	+	+	+
Narrow bluegreen threades	m					+	+	+	+	+	+	1.9
EUGLENOPHYTA												
Euglenid	cell	+	1			+	1	+			1	+
PYRROPHYTA												
Amphidinium sp.	"			+					+	+		
Ebria tripartita	"		+				+	+	+	+	+	1
Dinophysis spp.	"			+		+	+					
Gymnodinium sp.	"		1	1		+	+	+	+		1	+
Phalacroma rotundatum	"									+		
Peridinium sp.	"		1	+	3	+	1	2	1	2	+	1
CHRYSOPHYTA												
Chaetoceros danicus	"			+								
Licmophora sp.	"				+	+			+			
Rhoicosphenia curvata	"									+		
Synedra spp.	"						+		+			
Thalassiosira baltica	"				+	+	+					
CHLOROPHYTA												
Ankistrodesmus sp.	"	1	13	+		1	1	2	1	11	10	49
Oocystis spp.	kol	+	2	+		+	1	+	+	+	1	+
Scenedesmus quadricauda	cell											
Monads, small	"	24	48	29	25	42	74	67	44	69	53	146

Table 5e.

Dominating phytoplankton species/l

Station Hanö		44	45	46	47	48	49	50	6	7	9	E Åhus
CYANOPHYTA	Unit											
Anabaena (straight)	m	+	+	+	1	+	+			+	+	
Anabaena (trailed)	cell			8	16	8	40		32	16		
Aphanizomenon flos-aquae	m	1.0	1.0	1.9	6.5	4.8	12.6	4.2	+	+	+	
Gomphosphaeria lacustris	kol	+		+				+	+	+		
Nodularia spumigena	m	+	1.6	2.0	4.2	4.4	2.8	1.0		+		
Narrow bluegreen threades	m	+	+	+	+							
EUGLENOPHYTA												
Euglenid	cell											
PYRROPHYTA												
Amphidinium sp.	"											
Ebria tripartita	"					+	+					
Dinophysis spp.	"			+		+		+	+			
Gymnodinium sp.	"	1		1		2	1	1	+	+		7
Phalacroma rotundatum	"			+		+						
Peridinium sp.	"		+		+	+			1	1	4	985
CHRYSOPHYTA												
Chaetoceros danicus	"			+	+	+		+				
Licmophora sp.	"			+								
Rhoicosphenia curvata	"										+	
Synedra spp.	"											
Thalassiosira baltica	"				+						+	
CHLOROPHYTA												
Ankistrodesmus sp.	"	1	1	1	114	252	6	1	+		+	
Oocystis spp.	kol	+	+	+	+	1	1	1	+		+	
Scenedesmus quadricauda	cell											
Monads, small	"	72	102	119	137	138	81	64	38	33	67	12

Table 5f.

Dominating phytoplankton species/l

Station Hanö		52	53	0	1	54	S14	N14
CYANOPHYTA	Unit							
Anabaena (straight)	m	+				+	+	+
Anabaena (trailed)	cell	+	4				4	
Aphanizomenon flos-aquae	m	+			1.0		2.4	4.5
Gomphosphaeria lacustris	kol			+			+	+
Nodularia spumigena	m	+					+	+
Narrow bluegreen threades	m				1.0	+	+	+
EUGLENOPHYTA								
Euglenid	cell	+		+				
PYRROPHYTA								
Amphidinium sp.	"						+	
Ebria tripartita	"		+					
Dinophysis spp.	"		+				+	
Gymnodinium sp.	"		+	+		+	1	+
Phalacroma rotundatum	"							
Peridinium sp.	"		+	2	+	4	79	200
CHRYSOPHYTA								
Chaetoceros danicus	"							+
Licmophora sp.	"						+	+
Rhoicosphenia curvata	"			+			+	1
Synedra spp.	"					+	140	55
Thalassiosira baltica	"						+	
CHLOROPHYTA								
Ankistrodesmus sp.	"	+	+			11	+	3
Oocystis spp.	kol		+				1	+
Scenedesmus quadricauda	cell						1	+
Monads, small	"	25	31	11	17	12	7	16

Table 6a. () = biomass not counted

Phytoplankton biomass $\mu^3 \times 10^6/l$

Station Hanö		20	19	18	17	16	15	14	13	12	11	10
CYANOPHYTA	Unit											
Anabaena (straight)	m	1	+	1	+	2	1		6	2		+
Anabaena (trailed)	cell	1	1	1	+							+
Aphanizomenon flos-aquae	m	229	160	339	442	294	96	9	581	637	3	
Gomphosphaeria lacustris	kol							()				+
Nodularia spumigena	m	471	280	585	1555	1060	206		1891	1512	25	
Narrow bluegreen threades	m							()				
EUGLENOPHYTA												
Euglenid	cell	+	+					+	+	+	+	+
PYRROPHYTA												
Amphidinium sp.	"											
Ebria tripartita	"	()		()	()	()					()	
Dinophysis spp.	"	()										
Gymnodinium sp.	"	39	39	26	149	71	26	13	136	142	13	
Phalacroma rotundatum	"		1				1					
Peridinium sp.	"				+			6	1	1	2	1
CHRYSOPHYTA												
Chaetoceros danicus	"											
Licmophora sp.	"											
Rhoicosphenia curvata	"	()										
Synedra spp.	"					()				()		
Thalassiosira baltica	"											()
CHLOROPHYTA												
Ankistrodesmus sp.	"	2	1	26	4238	2045	37	+	4120	3507	+	+
Oocystis spp.	kol	15	19	17	10	32	24	5	15	22	10	5
Scenedesmus quadricauda	cell										()	
Monads, small	"	20	12	10	8	12	13	12	12	8	20	7
		778	513	1005	6402	3516	404	45	6762	5831	73	13

Table 6b.

Phytoplankton biomass $\mu^3 \times 10^6/l$

Station Hanö		5	3	2	1	8	9	9	8	7	6	5
CYANOPHYTA	Unit											
Anabaena (straight)	m	2	2	+	+			+		+	+	2
Anabaena (trailed)	cell	1	+		1	+			1	1	+	+
Aphanizomenon flos-aquae	m	230	224	57	+	12			+	3	66	366
Gomphosphaeria lacustris	kol											
Nodularia spumigena	m	1278	1263	222	157	26	80	+		15	12	844
Narrow bluegreen threades	m											
EUGLENOPHYTA												
Euglenid	cell	+		+	+	1	+	+	+	+		
PYRROPHYTA												
Amphidinium sp.	"											
Ebria tripartita	"	()	()	()								()
Dinophysis spp.	"											()
Gymnodinium sp.	"	13	45	26	13	7		7		7	13	19
Phalacroma rotundatum	"											1
Peridinium sp.	"	+	+	+	+	1	1	2	+	+		
CHRYSOPHYTA												
Chaetoceros danicus	"						()					
Licmophora sp.	"											
Rhoicosphenia curvata	"											
Synedra spp.	"									()		
Thalassiosira baltica	"					()	()	()	()	()		
CHLOROPHYTA												
Ankistrodesmus sp.	"	32	1	+	+					+	+	28
Oocystis spp.	kol	7	19		2	2			1	2	7	10
Scenedesmus quadricauda	cell											
Monads, small	"	37	15	15	7	12	6	6	4	8	4	14
		1600	1569	320	180	61	87	15	6	36	102	1283

Table 6c.

Phytoplankton biomass $\mu^3 \times 10^6/l$

Station Hanö		21	21	21	21	21	21	21	30	31	32	4
Depth		0	5	10	15	20	30	40	0	0	0	0
CYANOPHYTA	Unit											
Anabaena (straight)	m	1	+								1	
Anabaena (trailed)	cell	+		1							1	
Aphanizomenon flos-aquae	m			194	+	+			18	3	320	5
Gomphosphaeria lacustris	kol											
Nodularia spumigena	m	231	367	105	+		+			+	628	49
Narrow bluegreen threades	m	+	()									
EUGLENOPHYTA												
Euglenid	cell						+		+	+		+
PYRROPHYTA												
Amphidinium sp.	"	()										
Ebria tripartita	"	()	()				()		()		()	
Dinophysis spp.	"										()	
Gymnodinium sp.	"	19	13							7	52	7
Phalacroma rotundatum	"	1	1		1							
Peridinium sp.	"											+
CHRYSOPHYTA												
Chaetoceros danicus	"		()		()							()
Licmophora sp.	"											
Rhoicosphenia curvata	"											
Synedra spp.	"											
Thalassiosira baltica	"	()			()	()	()					
CHLOROPHYTA												
Ankistrodesmus sp.	"	8	10	1	+	+		+	1	+	19	6
Oocystis spp.	kol	24	15	15	22	10	4	1	6	34		5
Scenedesmus quadricauda	cell											
Monads, small	"	25	20	18	5	5	5	1	14	18	21	9
		309	426	334	28	15	9	2	39	62	1042	81

Table 6d.

Phytoplankton biomass $\mu^3 \times 10^6/l$

Station Hanö		33	34	35	36	37	38	39	40	41	42	43
CYANOPHYTA	Unit											
Anabaena (straight)	m	+	2			+		+	+	+		1
Anabaena (trailed)	cell		2	2				+	1	2		7
Aphanizomenon flos-aquae	m	34	114	8		5	5	50	22	93	74	253
Gomphosphaeria lacustris	kol										()	()
Nodularia spumigena	m	223	246	59		46	99	71	42	+	31	77
Narrow bluegreen threades	m					+	+	+	+	+	()	()
EUGLENOPHYTA												
Euglenid	cell	+	+			+	1	+			+	+
PYRROPHYTA												
Amphidinium sp.	"			()					()	()		
Ebria tripartita	"		()				()	()	()	()	()	()
Dinophysis spp.	"			()		()	()					
Gymnodinium sp.	"		19	19		7	7	13	2		19	13
Phalacroma rotundatum	"									1		
Peridinium sp.	"		+	+	1	+	+	1	+	1	+	+
CHRYSOPHYTA												
Chaetoceros danicus	"			()								
Licmophora sp.	"				()	()			()			
Rhoicosphenia curvata	"									()		
Synedra spp.	"						+		()			
Thalassiosira baltica	"				()	()	()					
CHLOROPHYTA												
Ankistrodesmus sp.	"	+	2	+		+	+	+	+	2	2	7
Oocystis spp.	kol	2	24	2		2	12	1	1	2	7	5
Scenedesmus quadricauda	cell											
Monads, small	"	6	12	7	6	11	19	17	11	18	14	37
		265	421	97	7	71	142	153	79	119	147	400

Table 6e.

Phytoplankton biomass $\mu^3 \times 10^6/l$

Station Hanö		44	45	46	47	48	49	50	6	7	9	Åhus Harbor
CYANOPHYTA	Unit											
Anabaena (straight)	m	+	1	1	9	1	+			1	+	
Anabaena (trailed)	cell			1	1	1	3		2	1		
Aphanizomenon flos-aquae	m	24	15	54	183	134	354	117	16	12	+	
Gomphosphaeria lacustris	kol	()		()				()	()	()		
Nodularia spumigena	m	31	246	314	653	681	431	117		65		
Narrow bluegreen threades	m	+	+	+	+							
EUGLENOPHYTA												
Euglenid	cell											
PYRROPHYTA												
Amphidinium sp.	"											
Ebria tripartita	"	()					()	()				
Dinophysis spp.	"			()				()	()			
Gymnodinium sp.	"	19		19	52	32		26	7	7		233
Phalacroma rotundatum	"			1		1						
Peridinium sp.	"		+		+	+			+	+	1	276
CHRYSOPHYTA												
Chaetoceros danicus	"			()	()	()		()				
Licmophora sp.	"			()								
Rhoicosphenia curvata	"										()	
Synedra spp.	"											
Thalassiosira baltica	"				()						()	
CHLOROPHYTA												
Ankistrodesmus sp.	"	+	+	+	17	37	1	+	+		+	
Oocystis spp.	kol	2	2	5	2	10	17	10	2		5	
Scenedesmus quadricauda	cell											
Monads, small	"	19	26	30	35	35	21	17	10	9	17	3
		95	290	425	952	932	827	287	37	95	23	512

Table 6f.

Phytoplankton biomass $\mu^3 \times 10^6/l$

Station Hanö		52	53	0	1	54	Near 14 (in the river)	Near 14 Beach
CYANOPHYTA	Unit							
Anabaena (straight)	m	1				+	+	+
Anabaena (trailed)	cell	+	+				+	
Aphanizomenon flos-aquae	m	3			21		67	127
Gomphosphaeria lacustris	kol			()			()	()
Nodularia spumigena	m	15					+	+
Narrow bluegreen threades	m							
EUGLENOPHYTA								
Euglenid	cell	+		+				
PYRROPHYTA								
Amphidinium sp.	"						()	
Ebria tripartita	"		()					
Dinophysis spp.	"		()	()		()	()	
Gymnodinium sp.	"		7	13		7	19	7
Phalacroma rotundatum	"							
Peridinium sp.	"		+	1	+	1	22	56
CHRYSOPHYTA								
Chaetoceros danicus	"							()
Licmophora sp.	"						()	()
Rhoicosphenia curvata	"			()			()	()
Synedra spp.	"					()	()	()
Thalassiosira baltica	"						()	
CHLOROPHYTA								
Ankistrodesmus sp.	"	+	+			2	+	+
Oocystis spp.	kol		2				7	5
Scenedesmus quadricauda	cell							
Monads, small	"	6	8	3	4	3	2	4
		25	17	17	25	13	117	199

Table 7.

Total phosphorus along the beach, Aug. 26 - Oct. 12

µgat/l

Date	N of Stn 14	In the Helgeå R. inside Stn 14	300 m south of the northern mouth of the Helgeå R.
Aug. 26	2.10		
Sep. 2	0.99		0.33
7			1.46
8	0.54	0.61	
10	0.64		0.39
13	0.89	1.55	0.39
15	0.57	3.59	
16			0.84
17	0.46	1.42	
20			0.48
21	2.78	1.41	
23			0.50
24	0.88	1.51	
27			0.38
28	0.76	1.97	
30			0.44
Okt. 1	0.69	1.65	
4			0.48
6	0.55	1.78	
7			0.47
8	0.81	1.97	
11			0.55
12	0.58		

Table 8.

Attenuation RG1 m^{-1}

Depth m	Station 20	19	18	17	16	15	14	13	12	11	10	5
0								1.05	1.05	1.00		1.10
1	0.97	0.97	1.05	0.99	0.97	0.99	1.00	1.08	1.02	1.00	0.92	1.10
2	0.97	0.99	1.02	1.00	0.98	0.98	1.00	1.03	1.03	1.00	0.92	1.09
3	1.00	1.02	1.00	1.02	1.00	1.00	0.99	1.06	1.02	1.00	0.92	1.08
4	0.99	1.04	0.97	0.99	1.00	1.02	0.97	1.03	0.98	0.99	0.92	1.07
5	0.95	1.05	0.97	0.99	0.98	1.00	0.97	1.01	0.98	0.98	0.92	1.09
6	0.93	1.03	0.96	0.97	0.99	1.00	0.96	1.00	0.97	0.97	0.93	0.99
7	0.92	1.00	0.96	0.97	0.99	0.99	0.96	0.98	0.95	0.97	0.92	0.95
8	0.91	0.97	0.95	0.96	0.98	0.98	0.95	0.97	0.94	0.97	0.92	0.95
9	0.89	0.95	0.94	0.96	0.97	0.96	0.95	0.95	0.95	0.95		0.94
10	0.88	0.93	0.93	0.95	0.97	0.95	0.95	0.95	0.89	0.95		0.93
11	0.87	0.88	0.93	0.94	0.95	0.93	0.95	0.92	0.87			0.92
12	0.84	0.88	0.93	0.93	0.92	0.92		0.92	0.86			0.89
13	0.80	0.87	0.91	0.92	0.92	0.90		0.89	0.86			0.84
14	0.79	0.87	0.89	0.91	0.91	0.89			0.85			0.81
15	0.76	0.86	0.89	0.88	0.89	0.89			0.86			0.80
16		0.86	0.89	0.87	0.87	0.87						
17		0.86	0.89	0.86								
18		0.85	0.88									
19		0.83	0.88									
20		0.83										

Table 9.

Dominating Zooplankton

Station no.	0	1	21	52	53	54
Date 1970	31/8 ?	31/8 ?	1/9	3/9	3/9	3/9
Bosmina coregoni maritima	2	2	3	2	2	1
Podon spp.	1	1	2	2	1	1
Evadne nordmanni	2	3	1	2	2	1
Acartia spp.	3	3	3	3	3	4
Centropages hamatus	1	1	1	1	1	1
Tempora longicornis	2	2	2	2	2	2
Nauplius larvae	0	0	0	0	1	1
Balanidnauplius	0	0	0	0	0	1
Mytilus edulis	1	0	1	1	1	0

Additional: Station no. 1 : Detritus

Species occurrence

0 = no specimens in the sample

1 = few specimens in the sample, about 1-5 % of the total number of specimens

2 = less abundant, about 6-25 % of the total number of specimens

3 = abundant, about 26-50 % of the total number of specimens

4 = very abundant, more than 50 % of the total number of specimens

Note: In samples where the total sum of individuals was low, the species most abundant was not given figur 4 but instead figure 3, even if comprising more than 50 % of the sample. This way a more accurate comparison between the different samples was obtained.