

OSLOFJORDEN OG DENS FORURENSNINGSPROBLEMER

I. Undersøkelsen 1962 - 1965

Delrapport nr. 4

# FYTOPLANKTON

av

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Bind II

OSLOFJORDPROSJEKTET  
NORSK INSTITUTT FOR VANNFORSKNING  
BLINDERN

Redaksjonen avsluttet januar 1967

OSLOFJORDUNDERSØKELSENE 1962-65.

Delrapport nr. 4 - FYTOPLANKTON, Bind II.

Utbredelseskart for utvalgte arter på grunnlag av overflate-  
toktene.

Kommentar til kartene.

- 1) På kartene merket med + i nedenstående liste, er det for hver observasjon angitt antall celler pr. liter.

På de øvrige er bestandens størrelse angitt ved symboler. De enkelte symboler dekker ikke alltid samme konsentrasjonsområde.

- 2) Det er angitt maksimum, minimum og midlere celletall pr. liter for delområder av Indre Oslofjord. For september 1963 er Bærumsbassengene skilt ut som eget område. Ellers er de regnet med til Vestfjorden.

Liste over utbredelseskartene på grunnlag av overflateprøver.

1962

16-18 juli:

Ceratium fusus.....kart 1  
" tripos..... " 2  
Prorocentrum micans.. " 3

3 august:

Ceratium furca.....kart 4  
" fusus..... " 5 +  
" tripos..... " 6  
Prorocentrum micans.. " 7

1963

21 juni:

Peridinium triquetrum.kart 8  
Euglenaceae..... " 9

6 august (fortsatt)

Ceratium tripos.....kart 11 +  
Prorocentrum micans.. " 12

6 august:

Ceratium fusus.....kart10

20-24 september

Cerataulina bergonii.kart 13 +

20-24 september (fortsatt)

Chaetoceros spp.....kart	14	Goniaulax tamarensis..kart	21 +
Cyclotella caspia..... "	15	Peridinium triquetrum. "	22
Ceratium fusus..... "	16	Prorocentrum micans... "	23
" tripos..... "	17	Euglenaceae..... "	24
Dinophysis lachmannii. "	18	Peridinium depressum.. "	25 +
Goniaulax diacantha... "	19	" steinii.... "	26
" spinifera... "	20	Codonellopsis spp..... "	27 +

1964

21-22 juli:

Peridinium triquetrum.kart	28+
" trochoideum. "	29
Prorocentrum micans... "	30+
Euglenaceae..... "	31

6 august

Peridinium trochoideum.kart	32
Prorocentrum micans... "	33 +
Euglenaceae..... "	34

12 oktober:

Olisthodiscus luteus..kart	35 +
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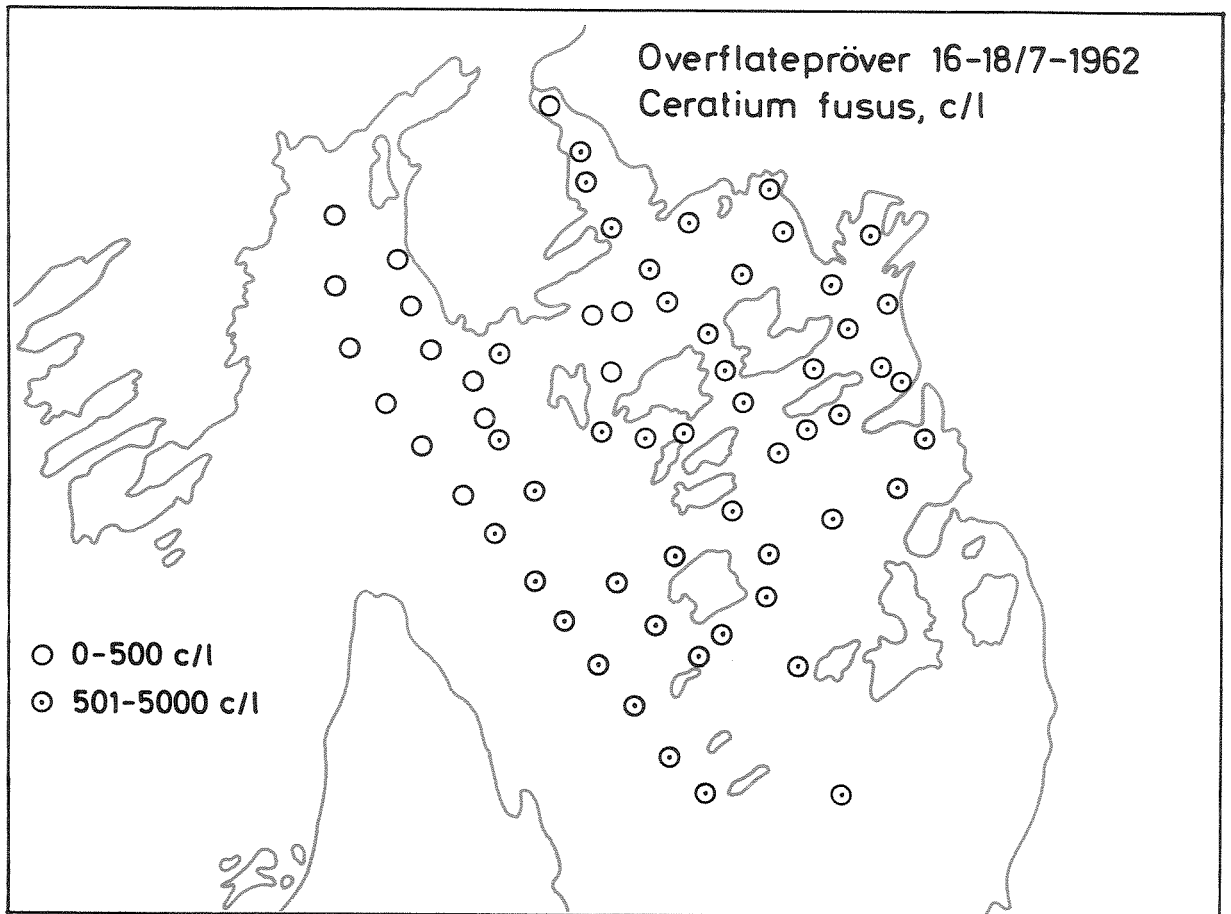
1965

15 juli:

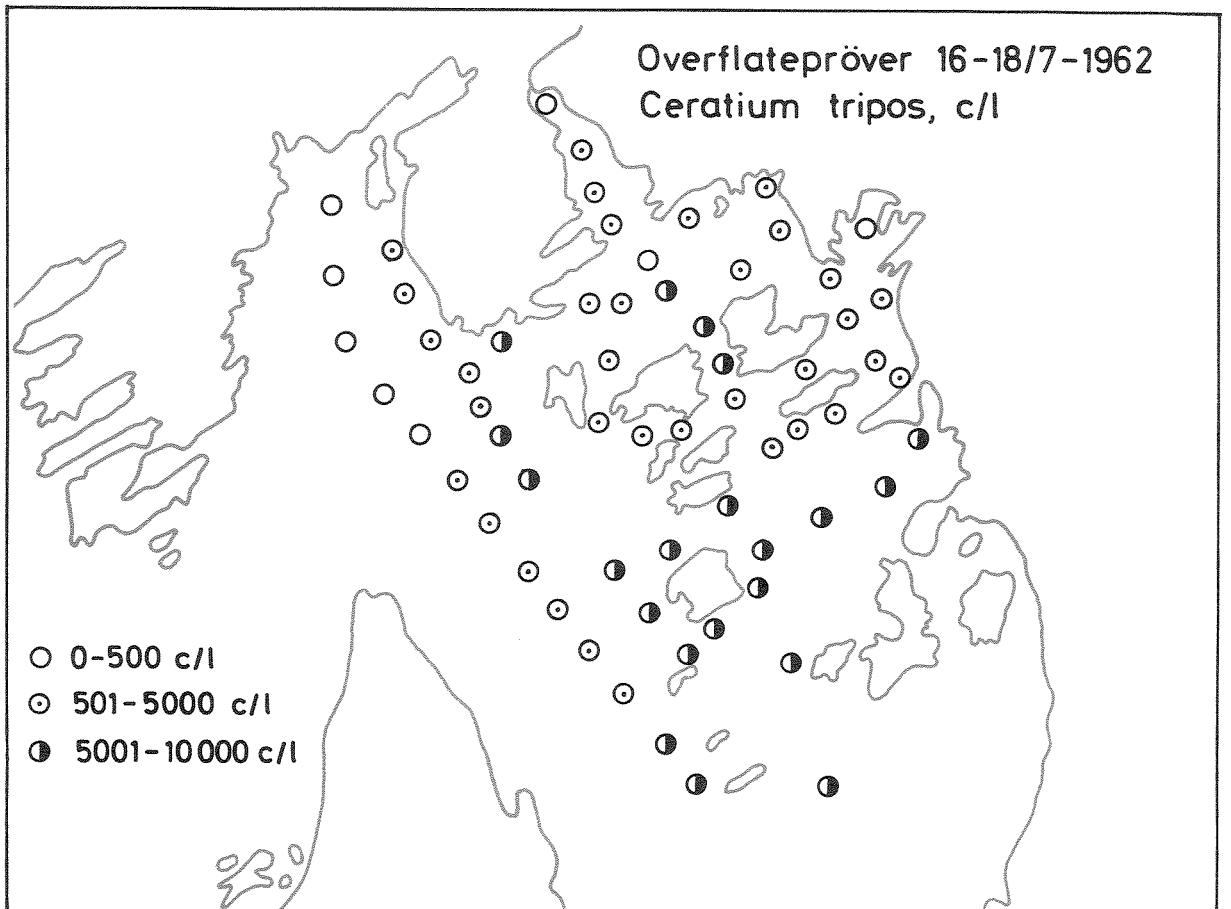
Ceratium fusus.....kart	36
" tripos..... "	37
Peridinium triquetrum. "	38+
Euglenaceae..... "	39

17 august:

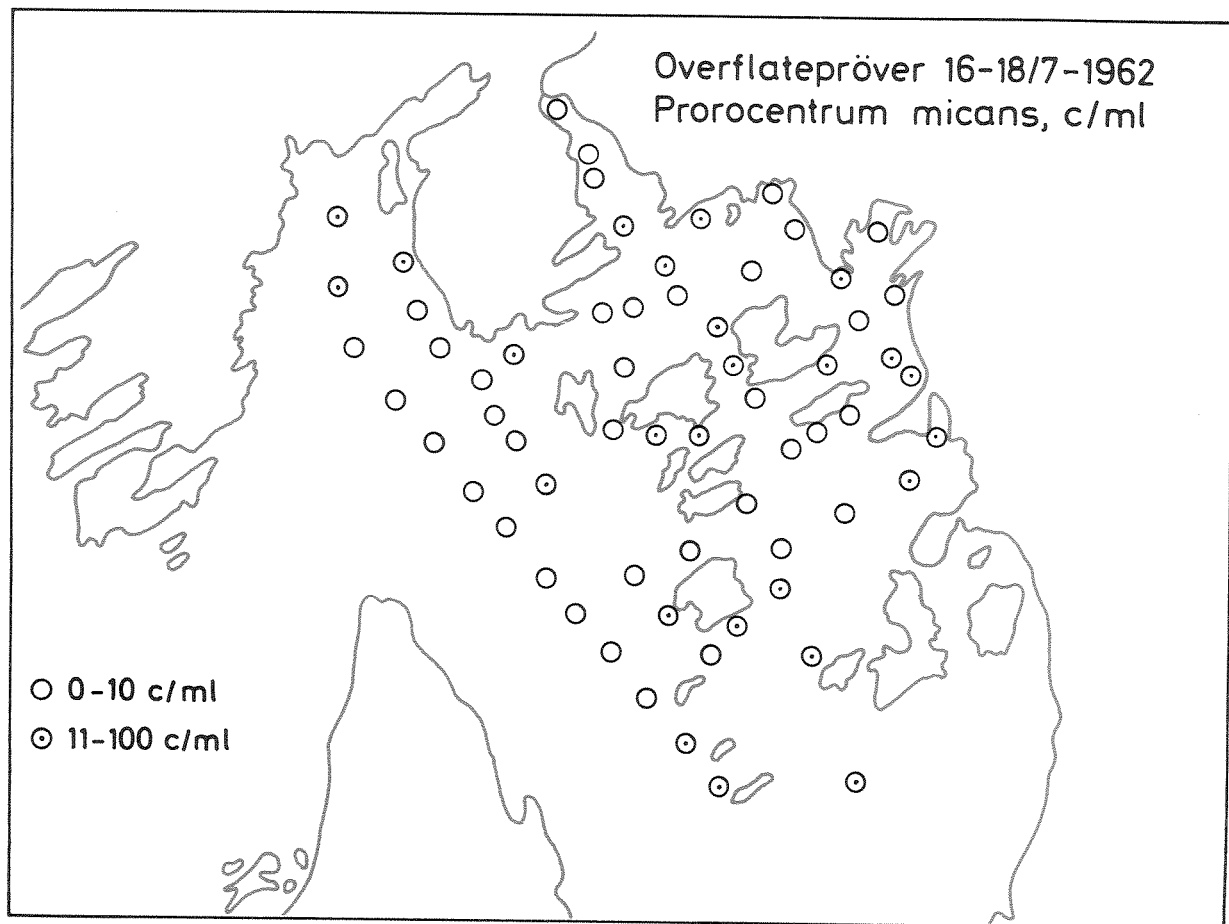
Peridinium triquetrum.kart	40
Prorocentrum micans... "	41
Euglenaceae..... "	42



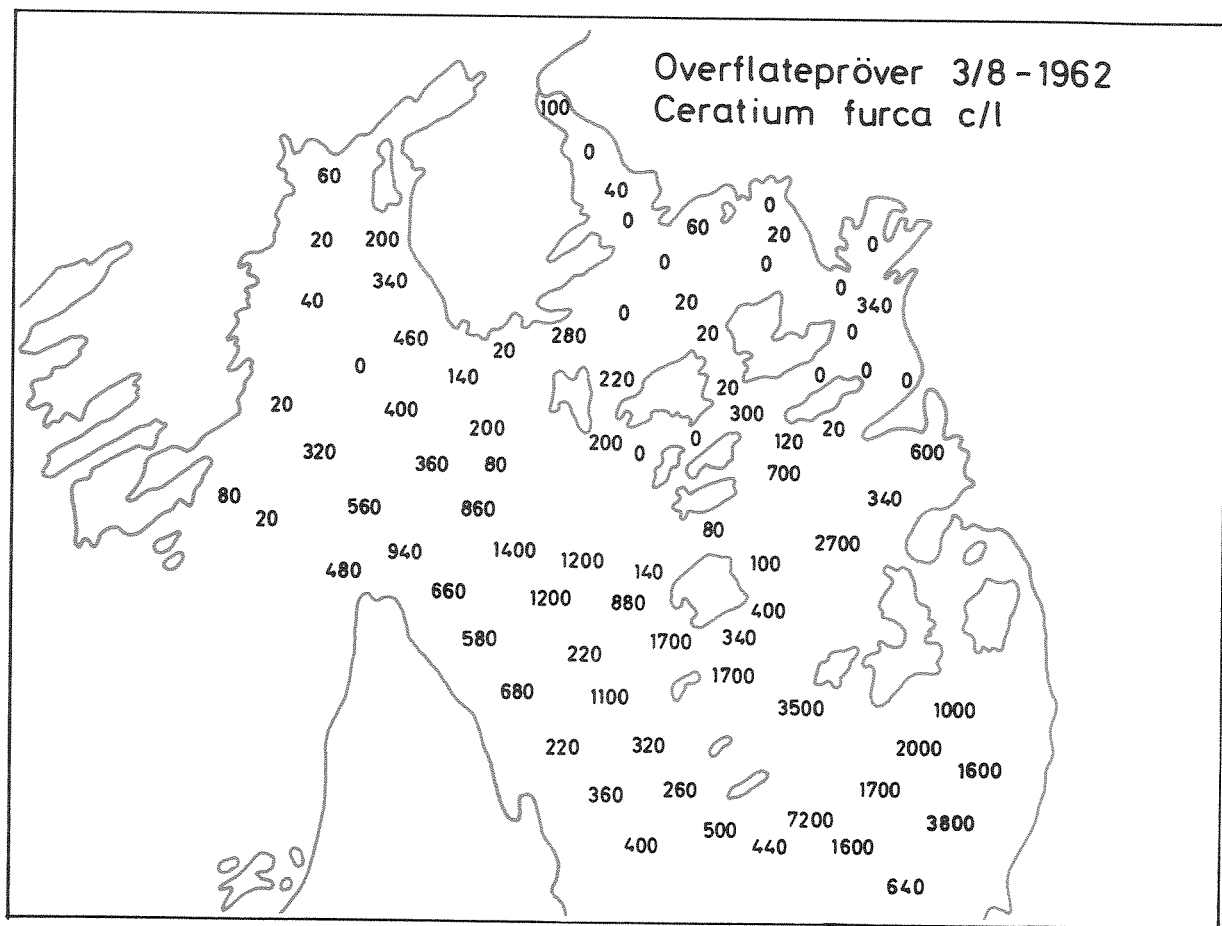
Kart 1



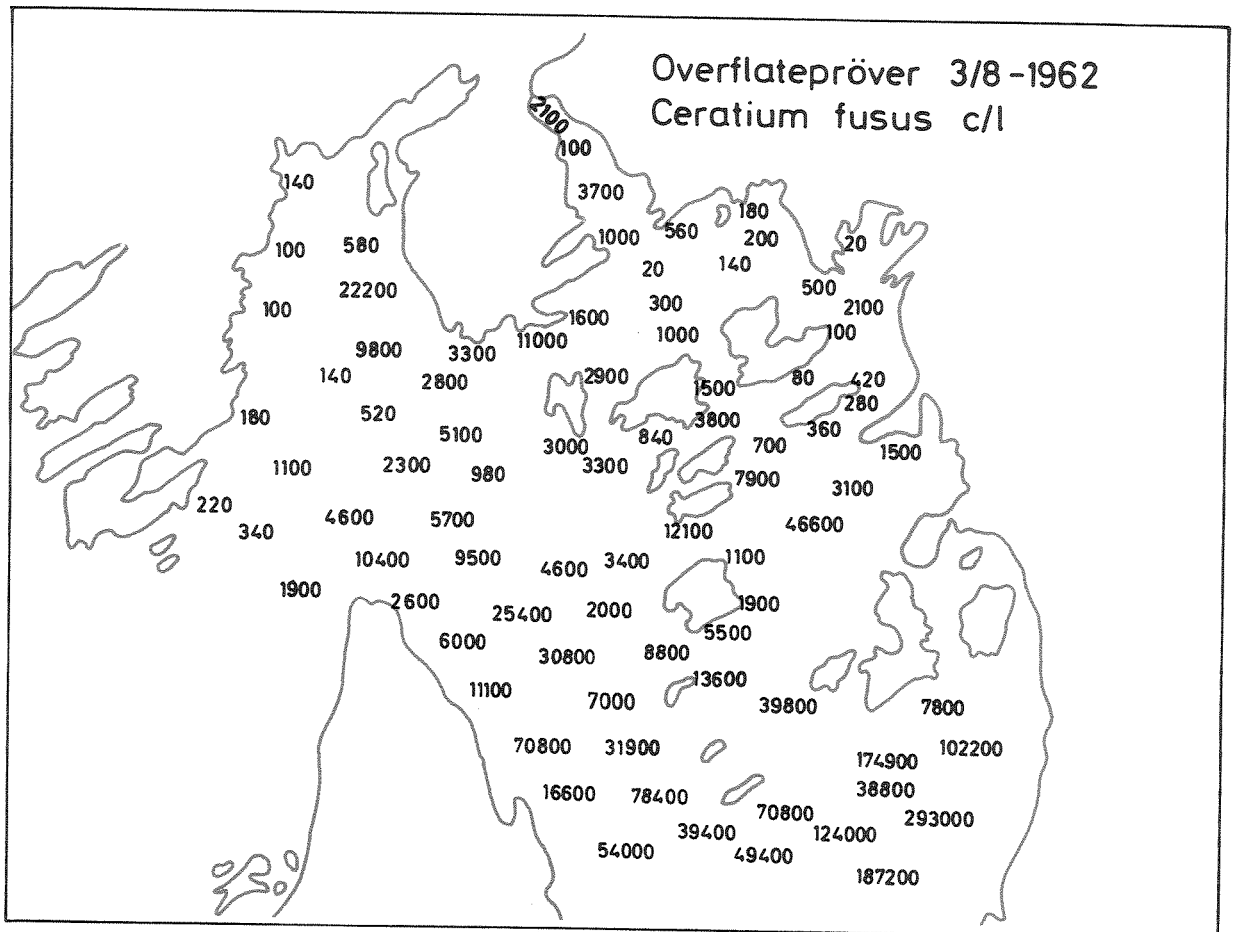
Kart 2



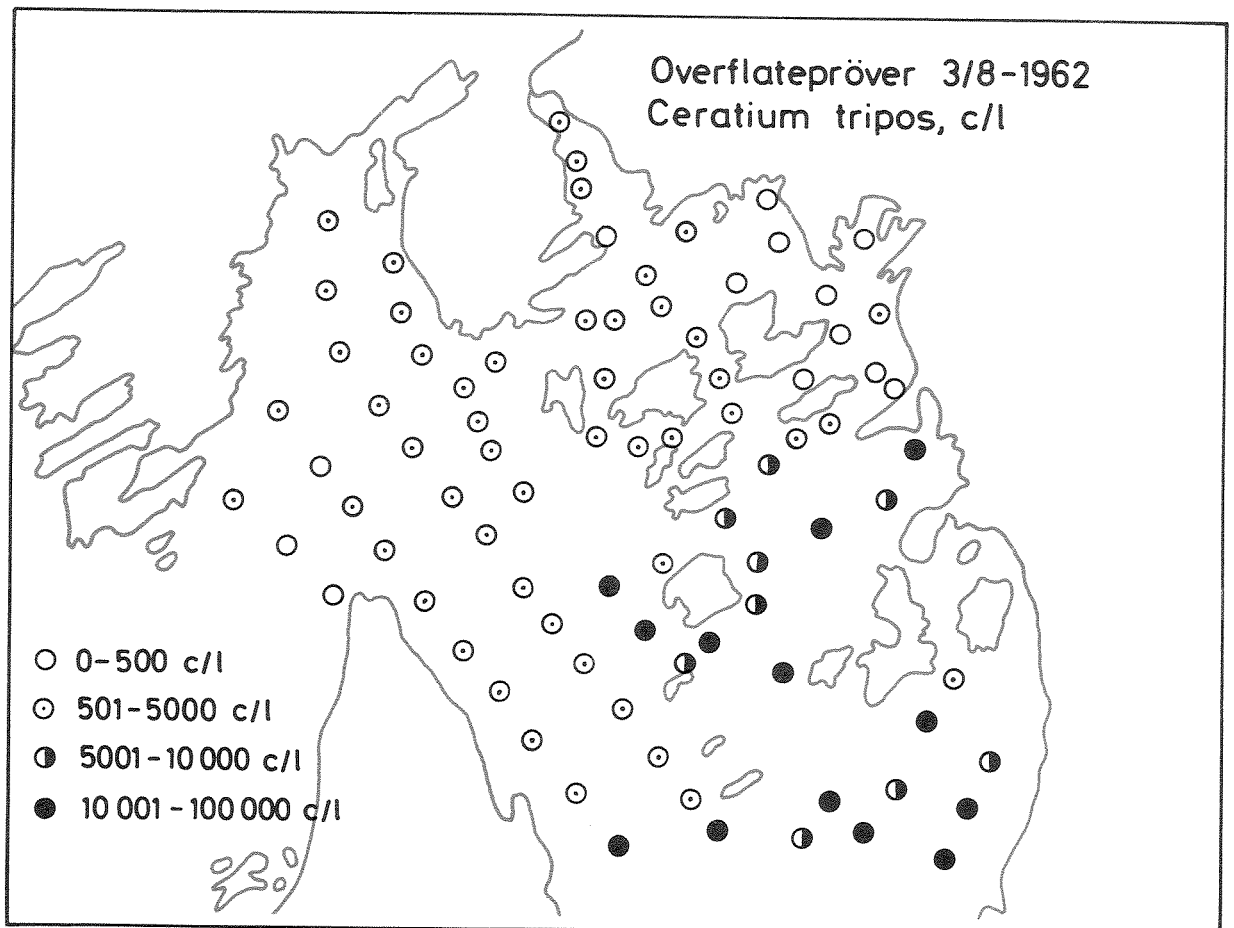
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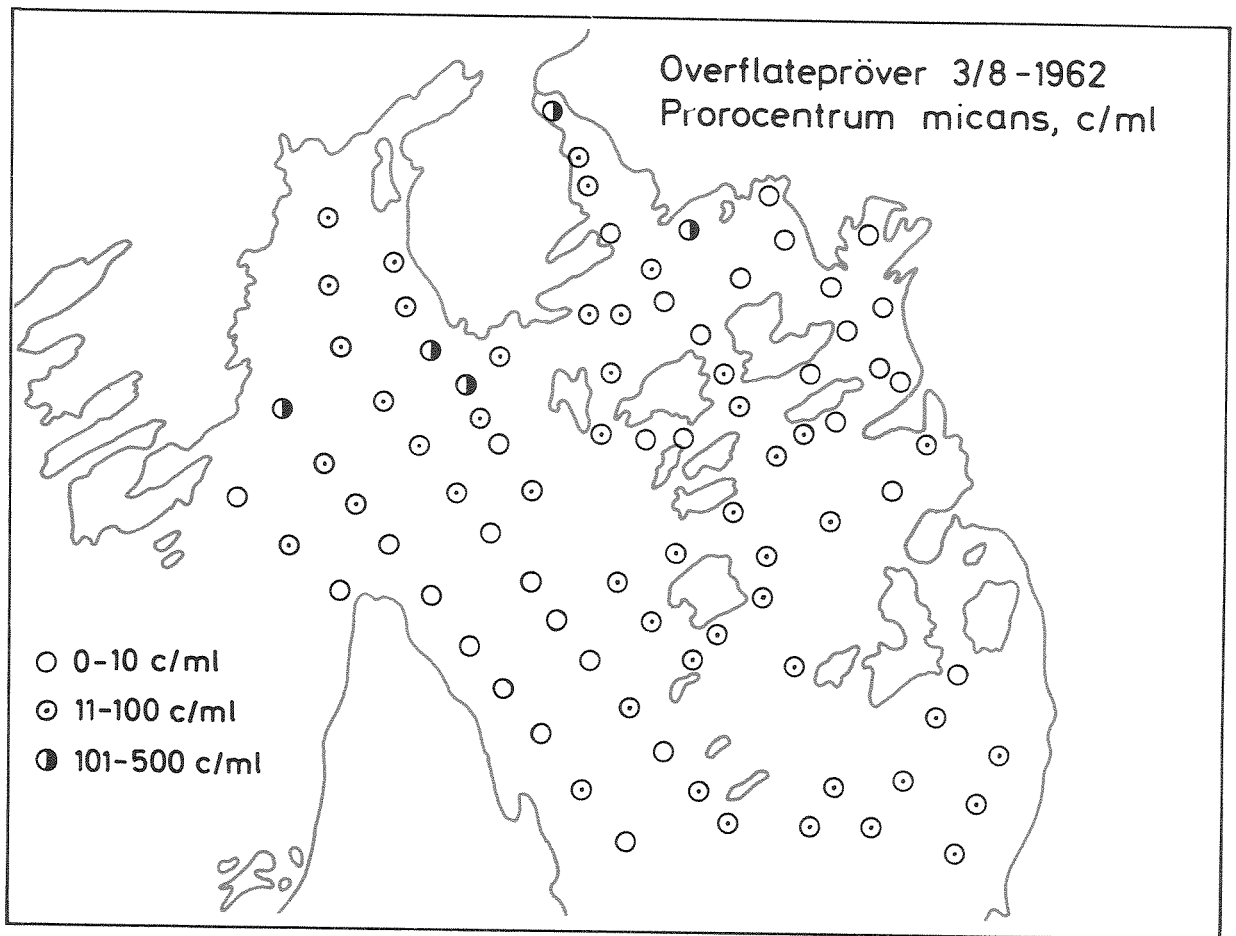
Kart 4



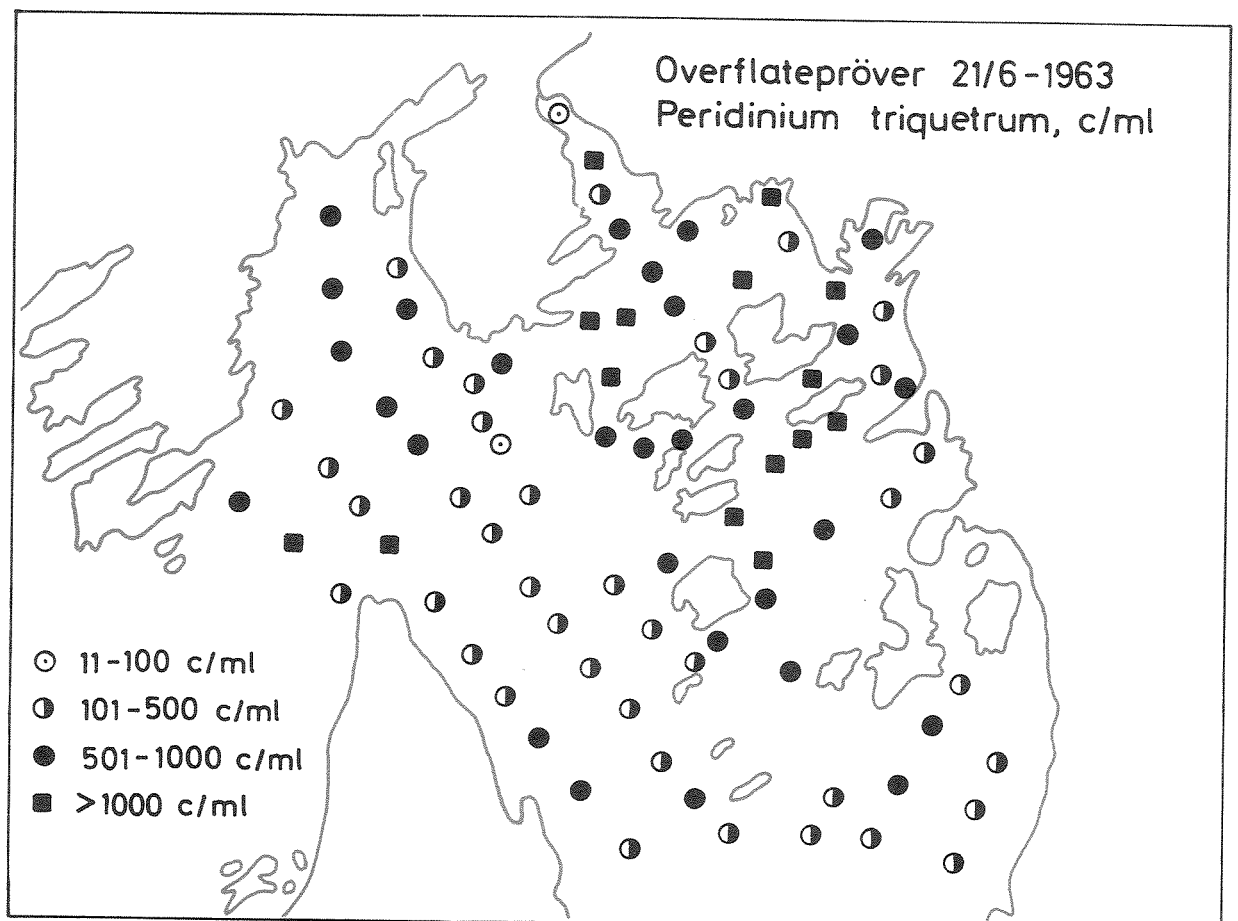
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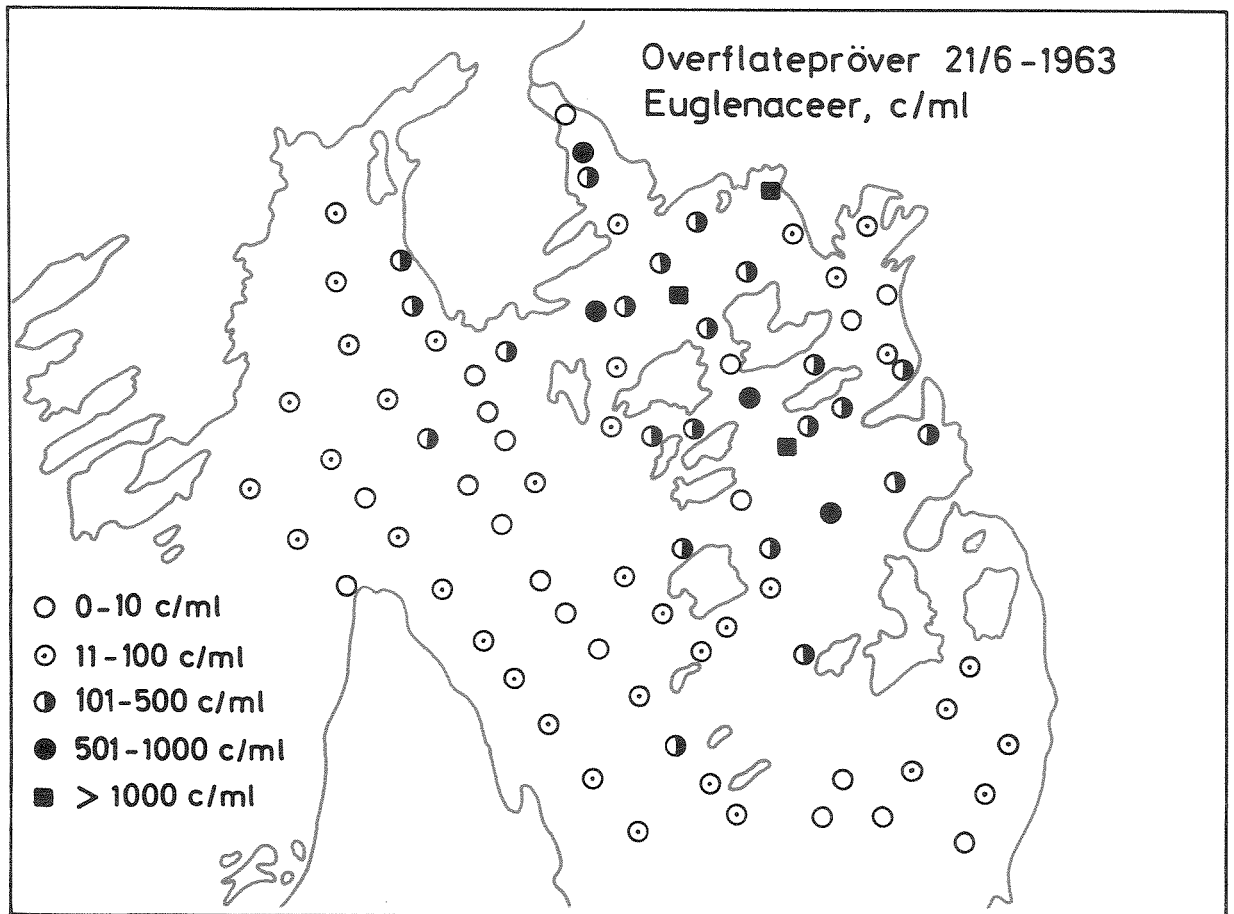
Kart 6



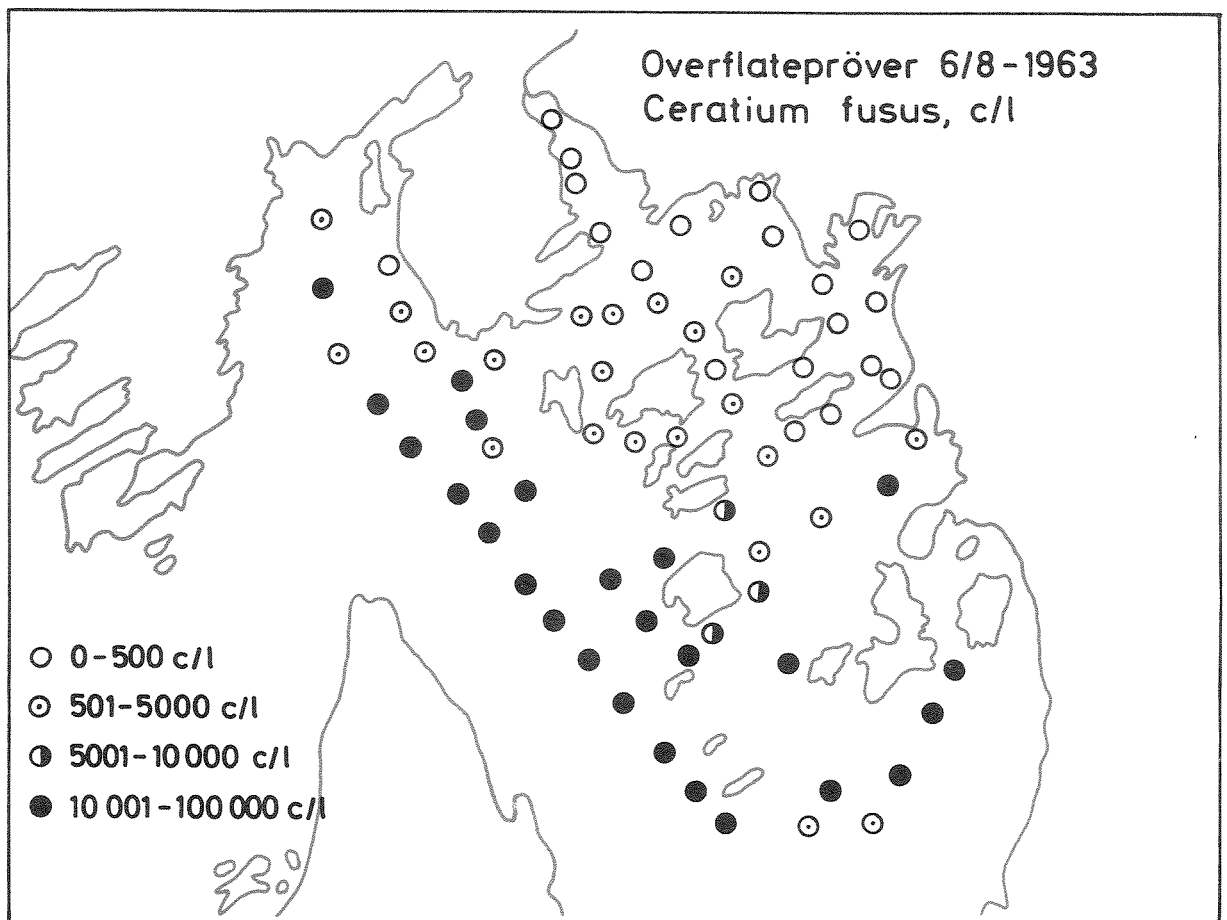
Kart 7



Kart 8

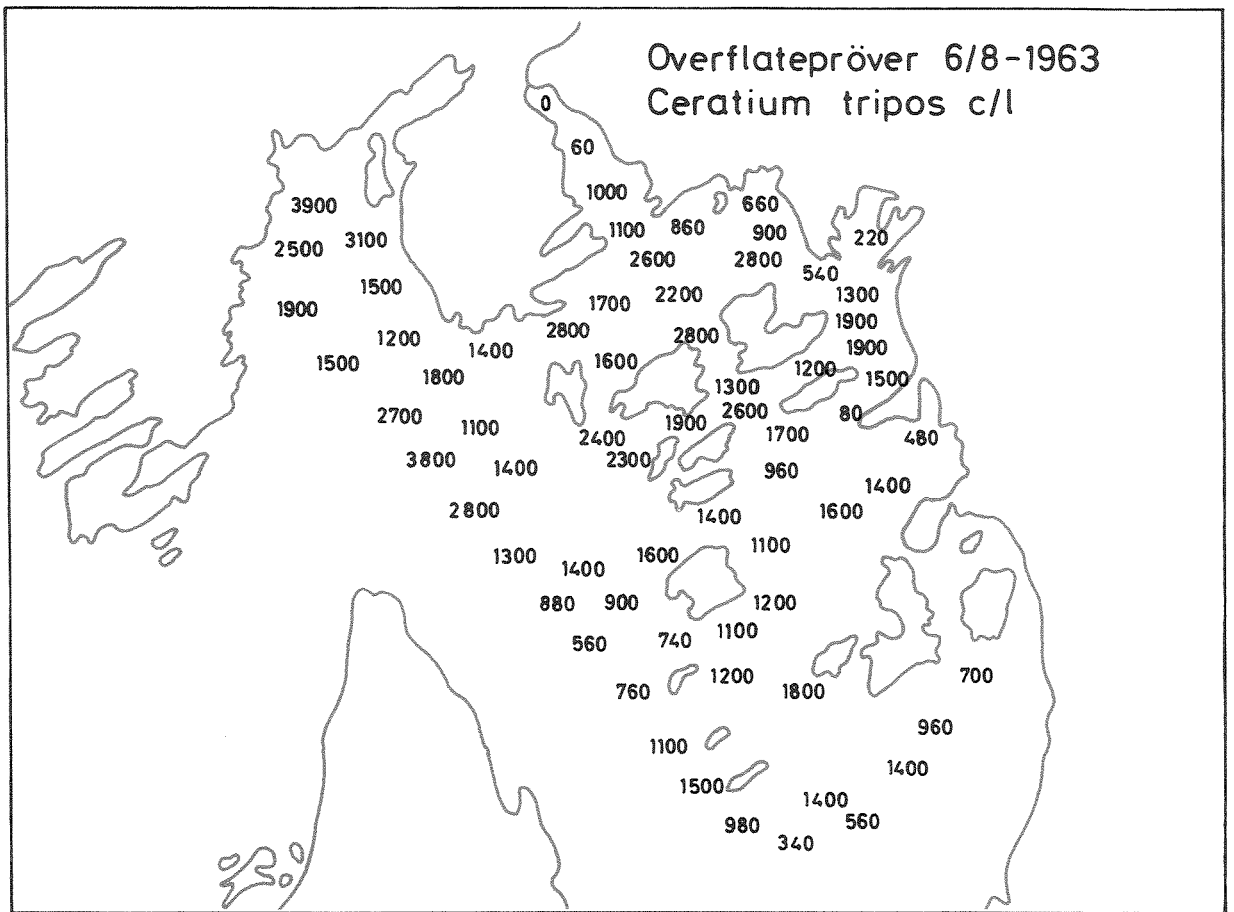


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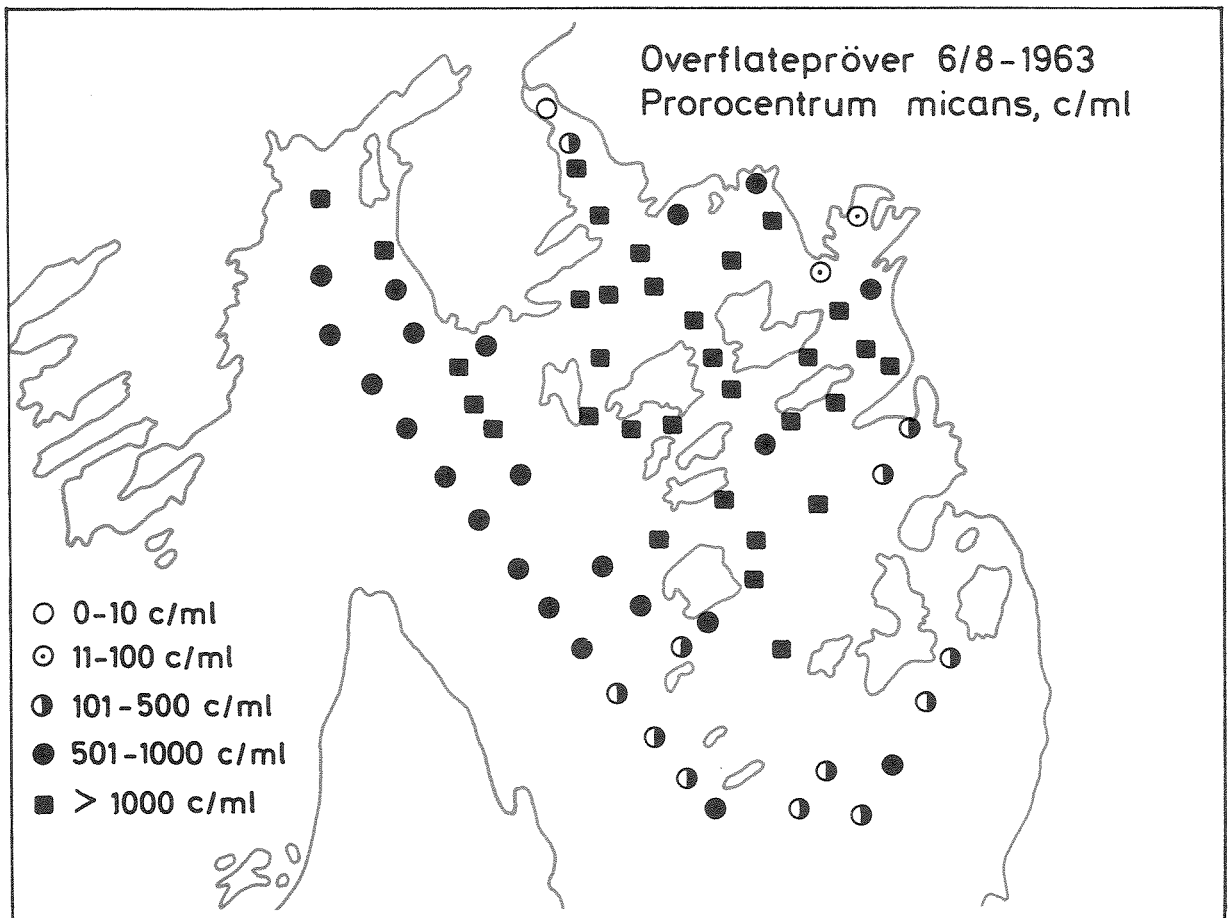


Kart 10

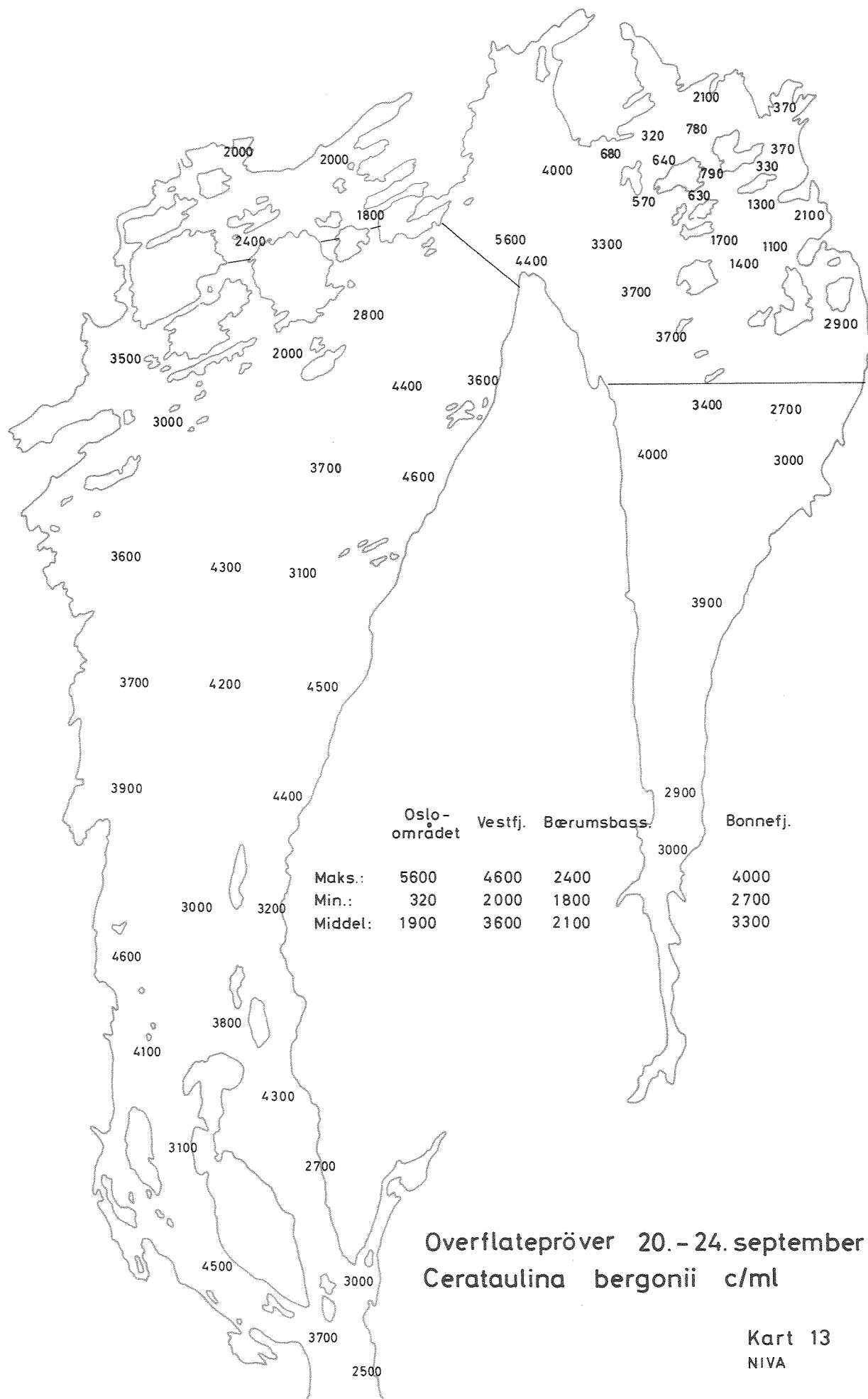




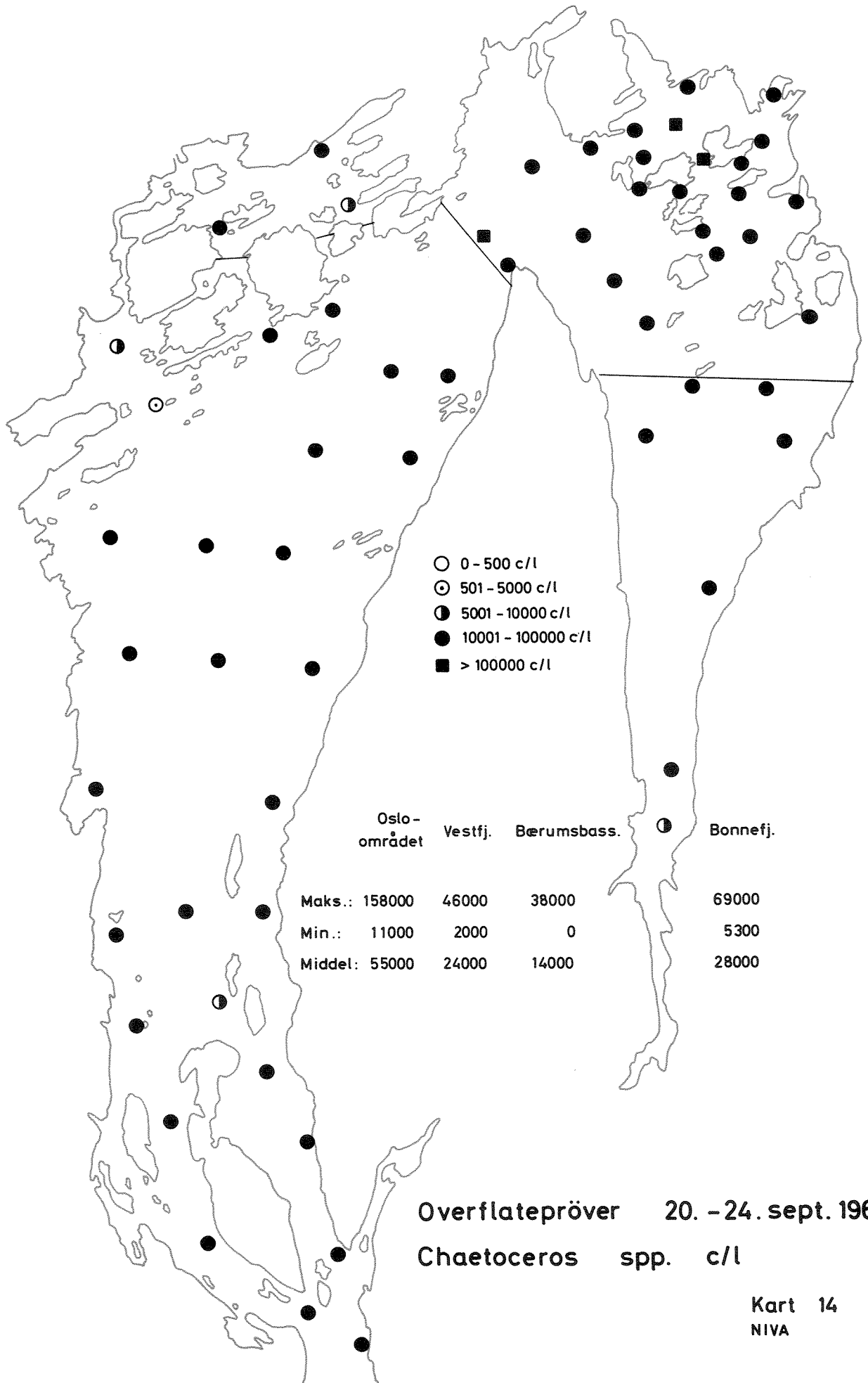
Kart 11



Kart 12



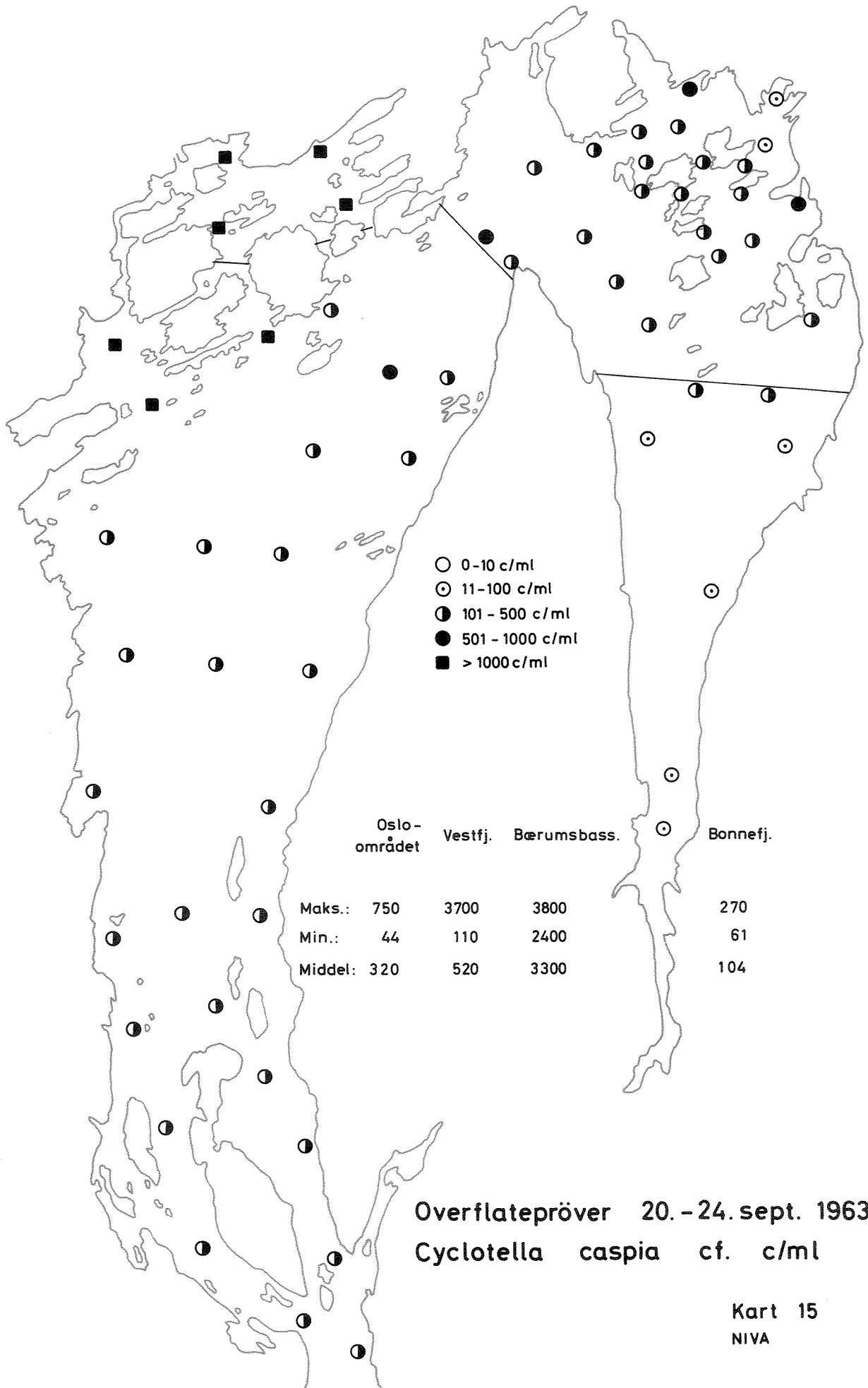
Overflateprøver 20.-24. september 1963  
*Cerataulina bergonii* c/ml



Overflateprøver 20. - 24. sept. 1963

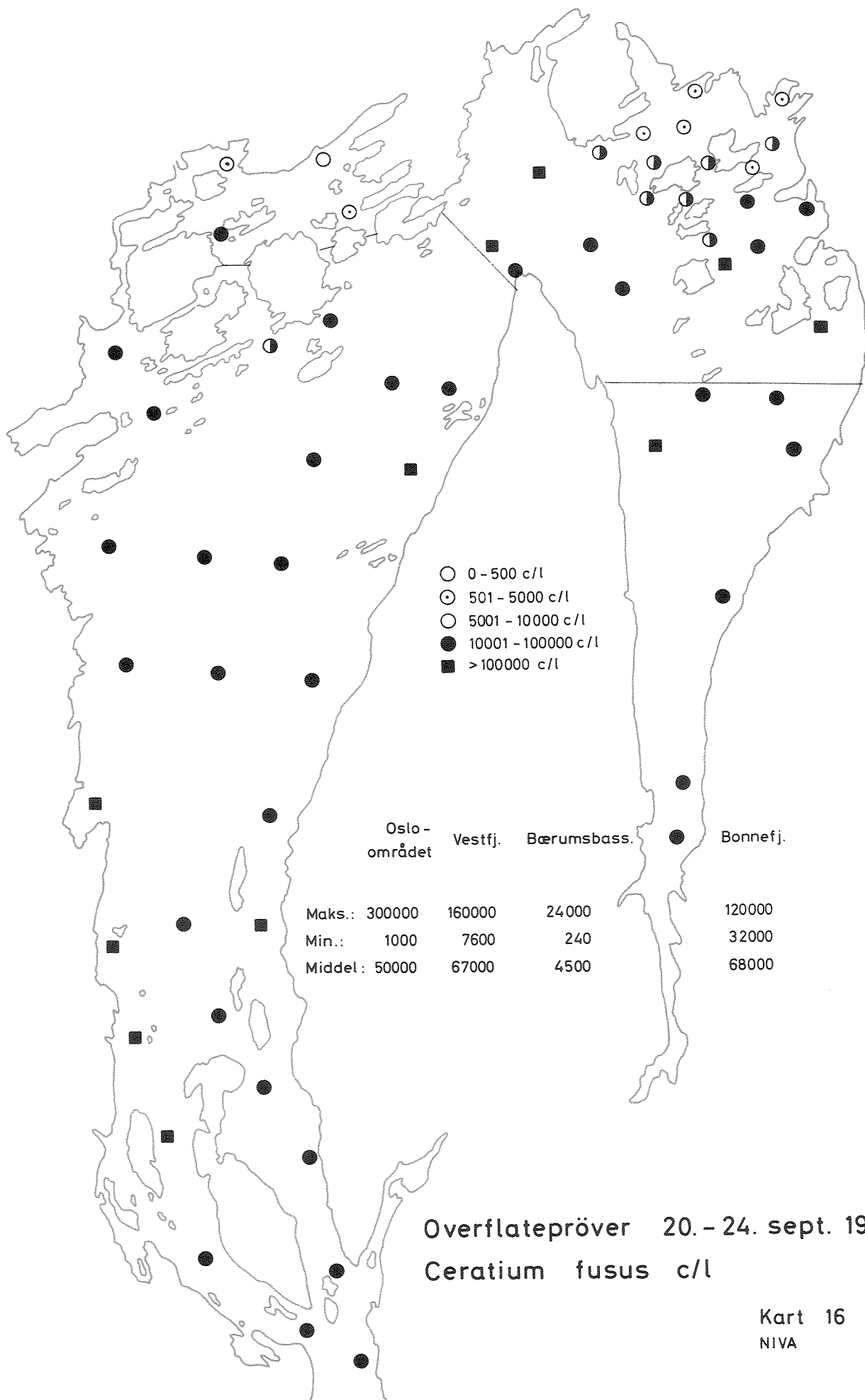
Chaetoceros spp. c/l

Kart 14  
NIVA

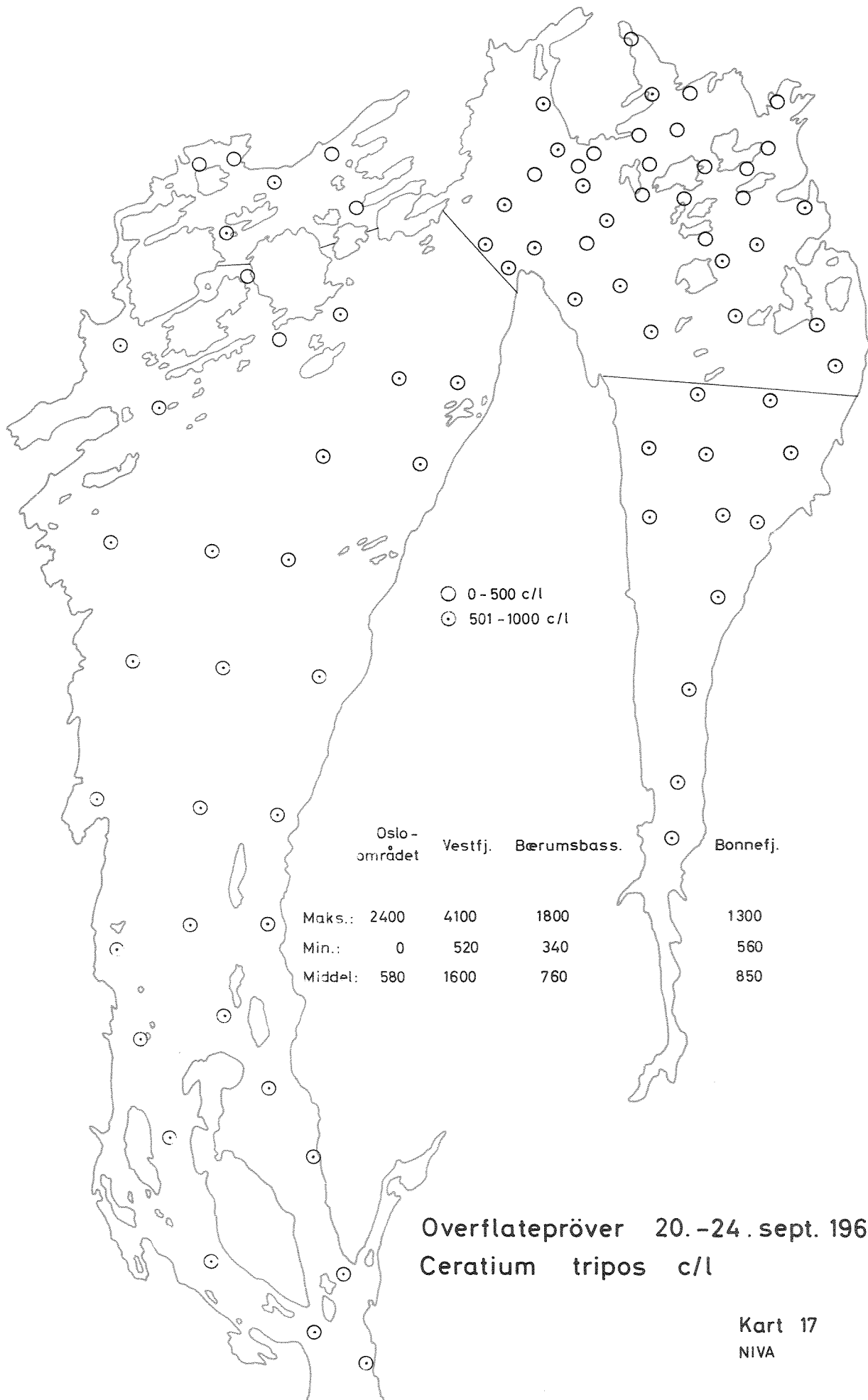


Overflateprøver 20.-24.sept. 1963  
*Cyclotella caspia* cf. c/ml

Kart 15  
 NIVA

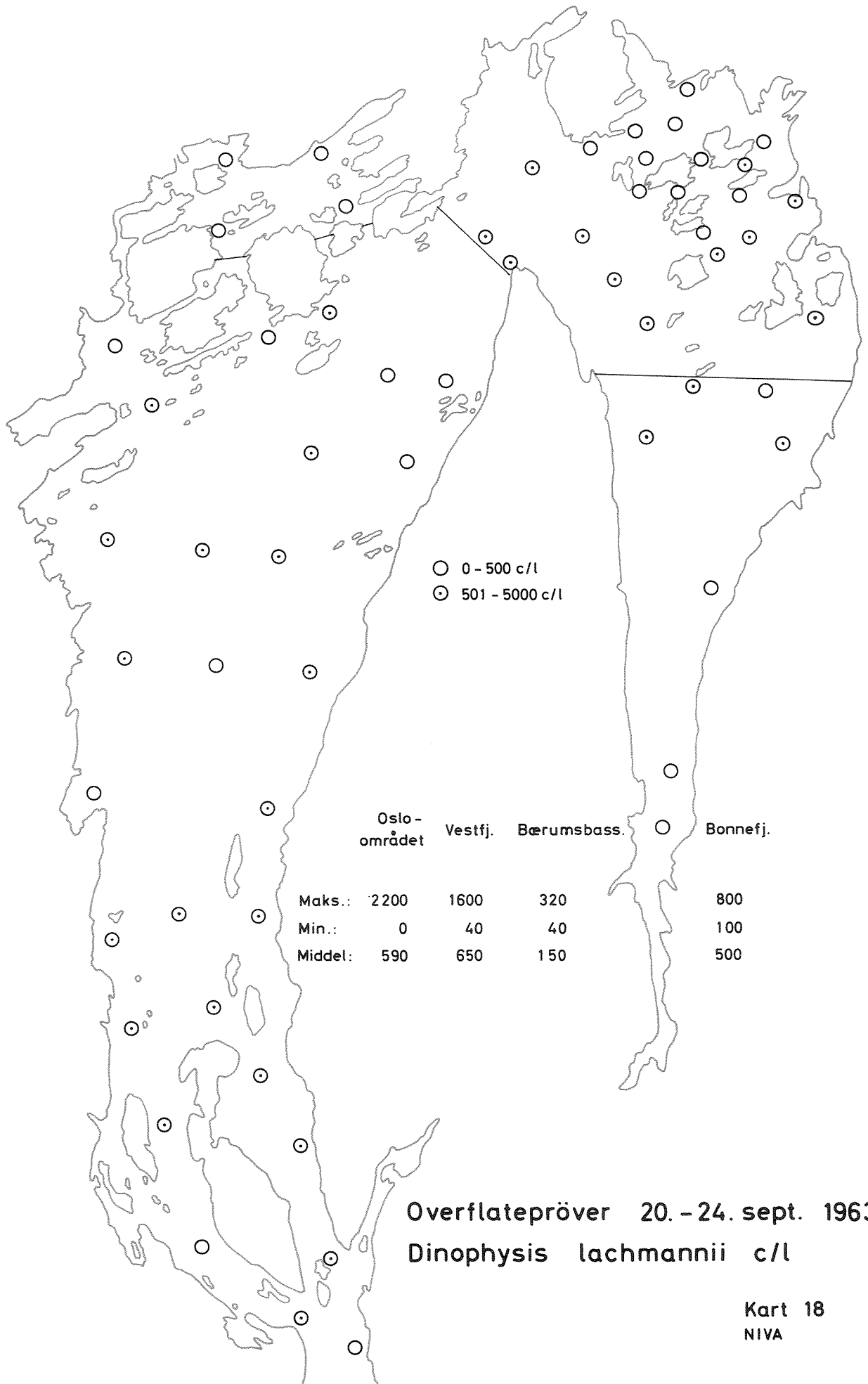


Overflateprøver 20.-24. sept. 1963  
*Ceratium fusus* c/l

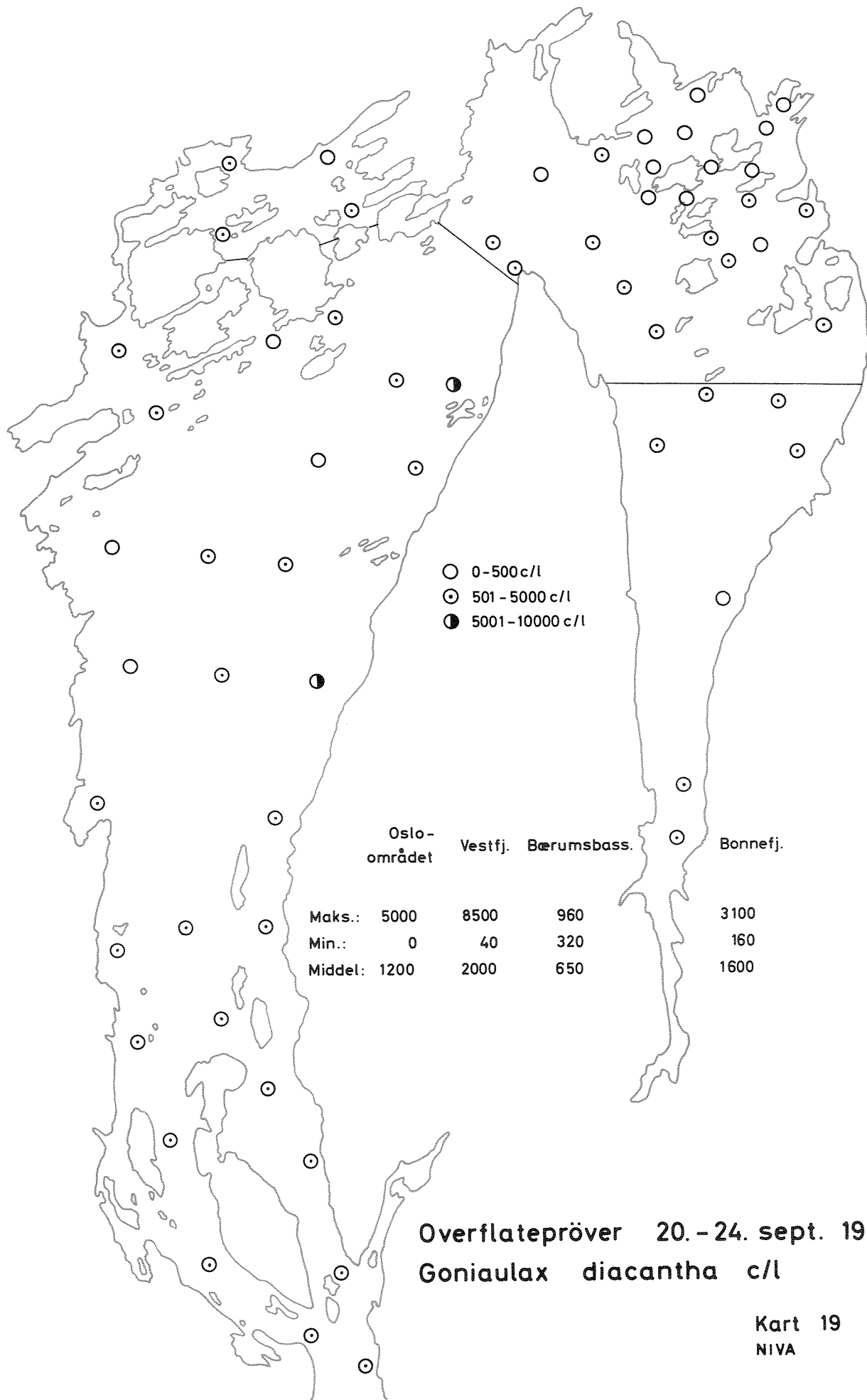


Overflateprøver 20. -24. sept. 1963  
 Ceratium tripos c/l

Kart 17  
 NIVA



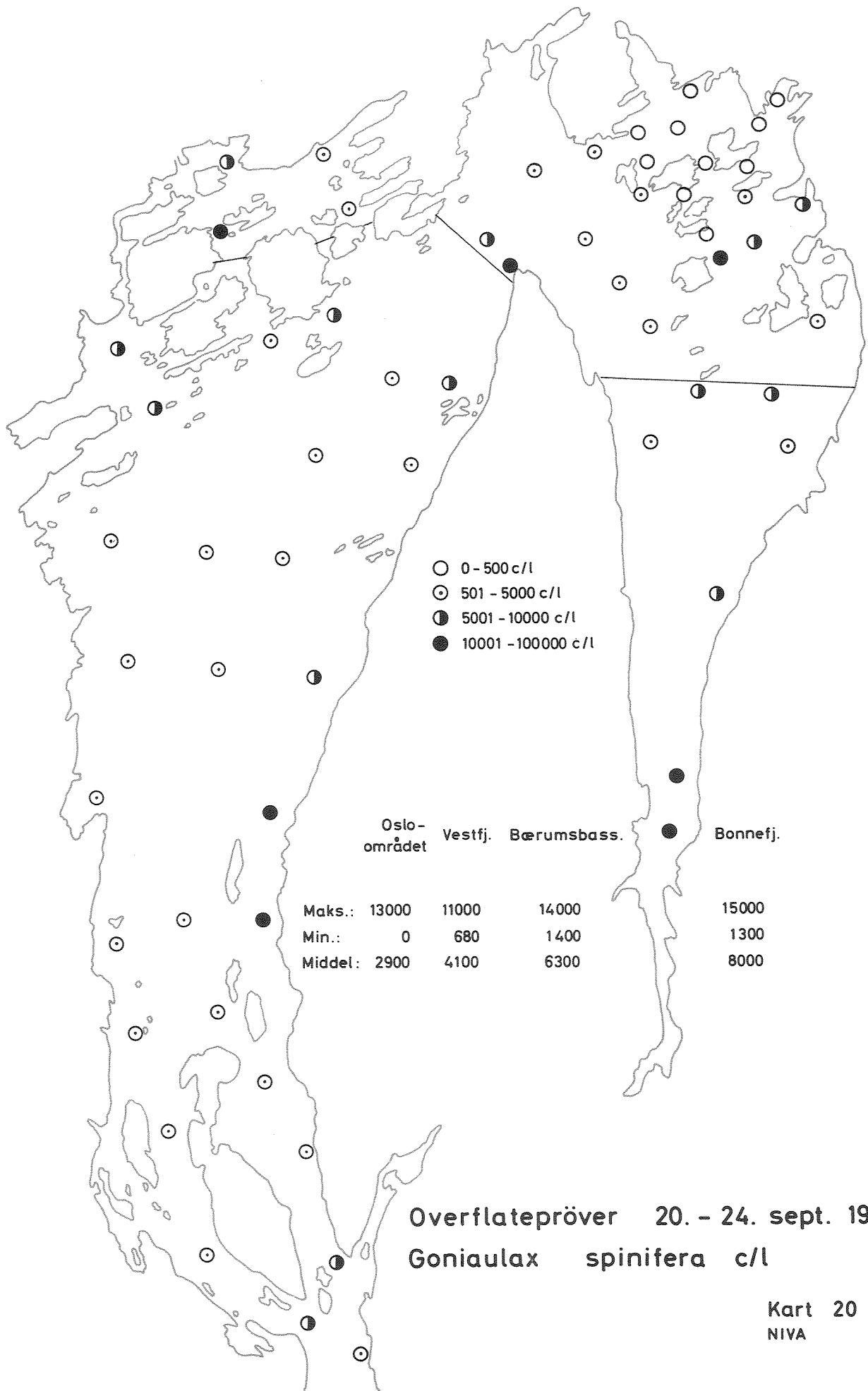
Overflateprøver 20. - 24. sept. 1963  
 Dinophysis lachmannii c/l



Overflateprøver 20.-24. sept. 1963  
*Gonialax diacantha* c/l

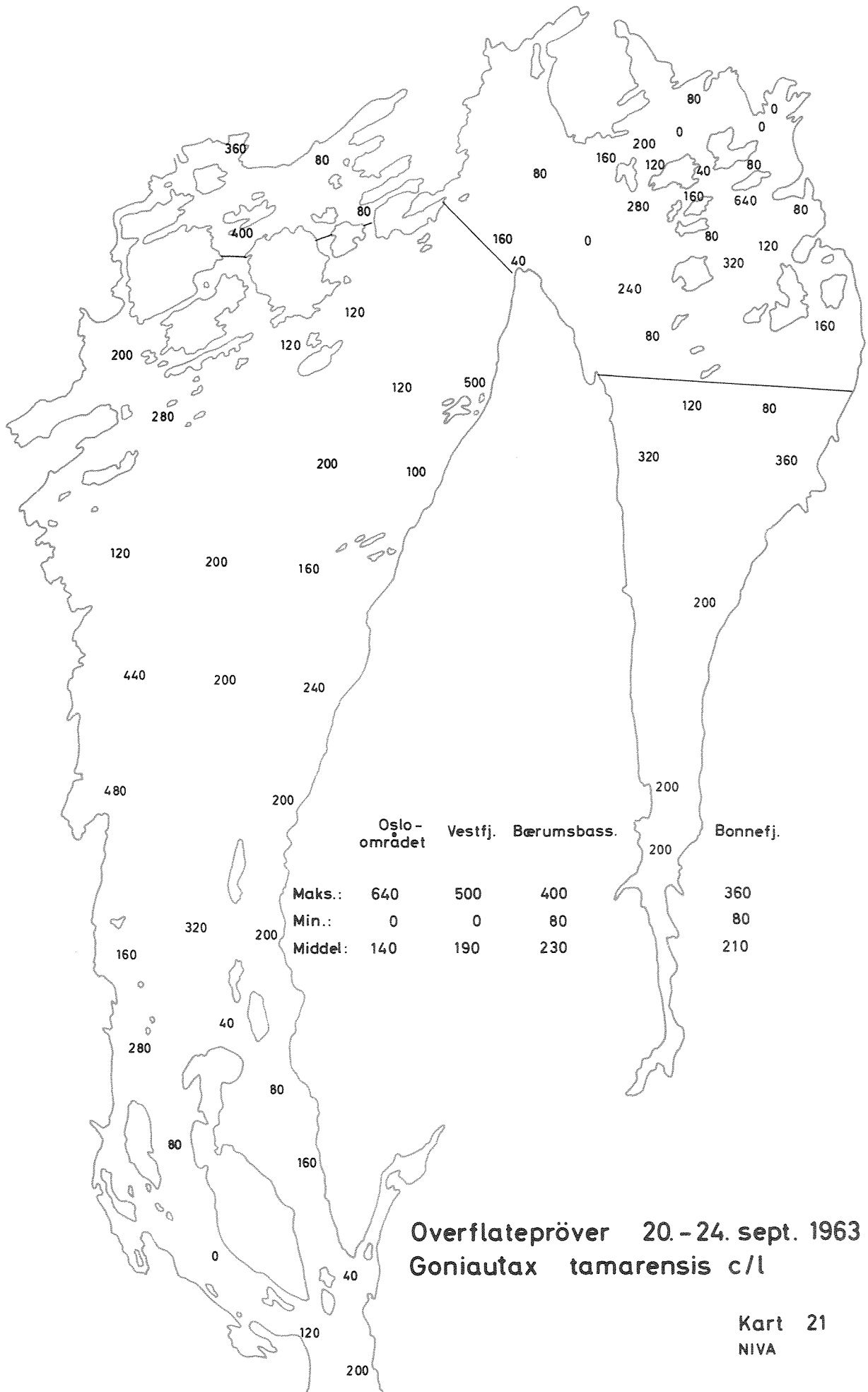
Kart 19  
 NIVA





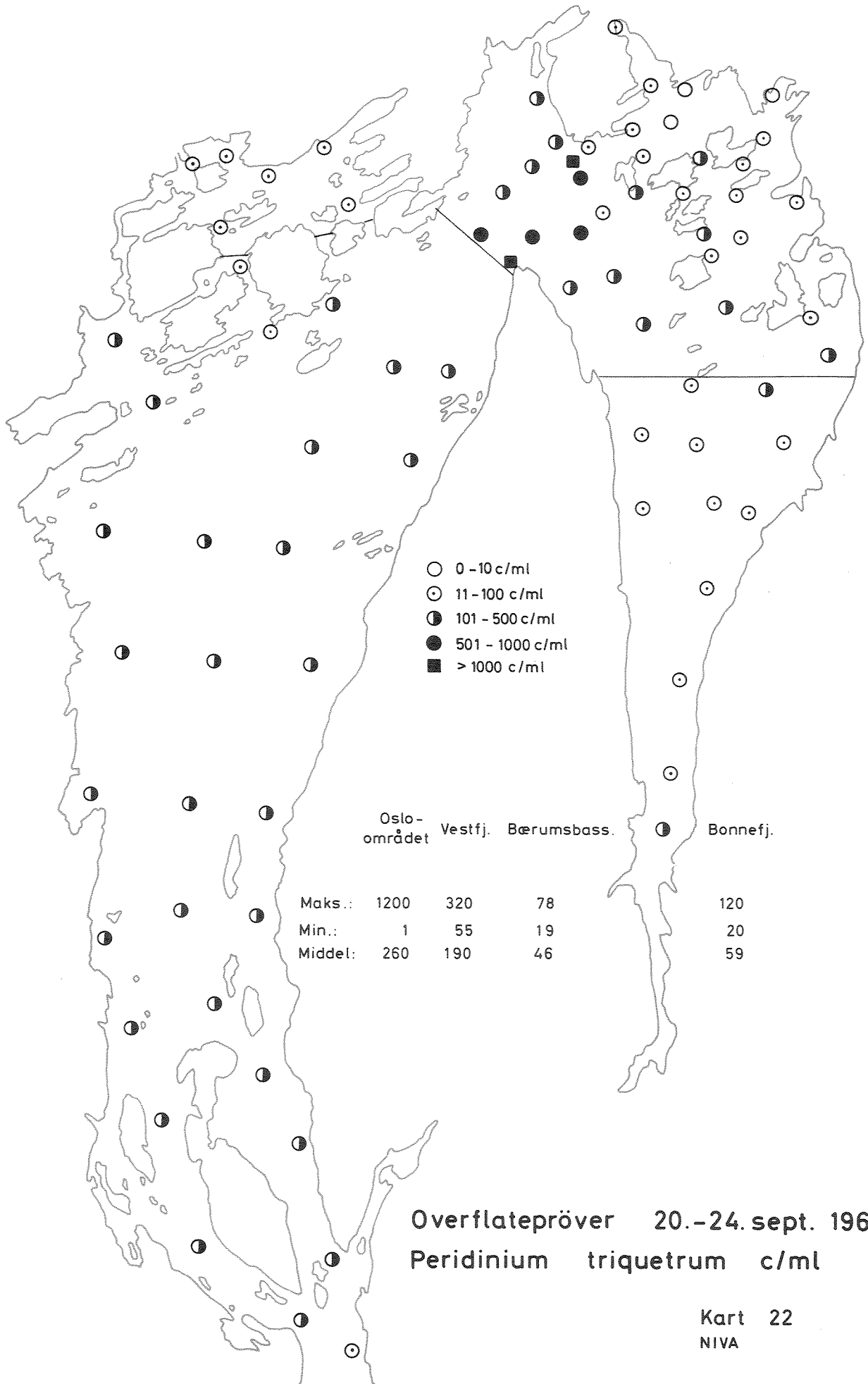
Overflateprøver 20. - 24. sept. 1963  
 Gonialax spinifera c/l

Kart 20  
 NIVA



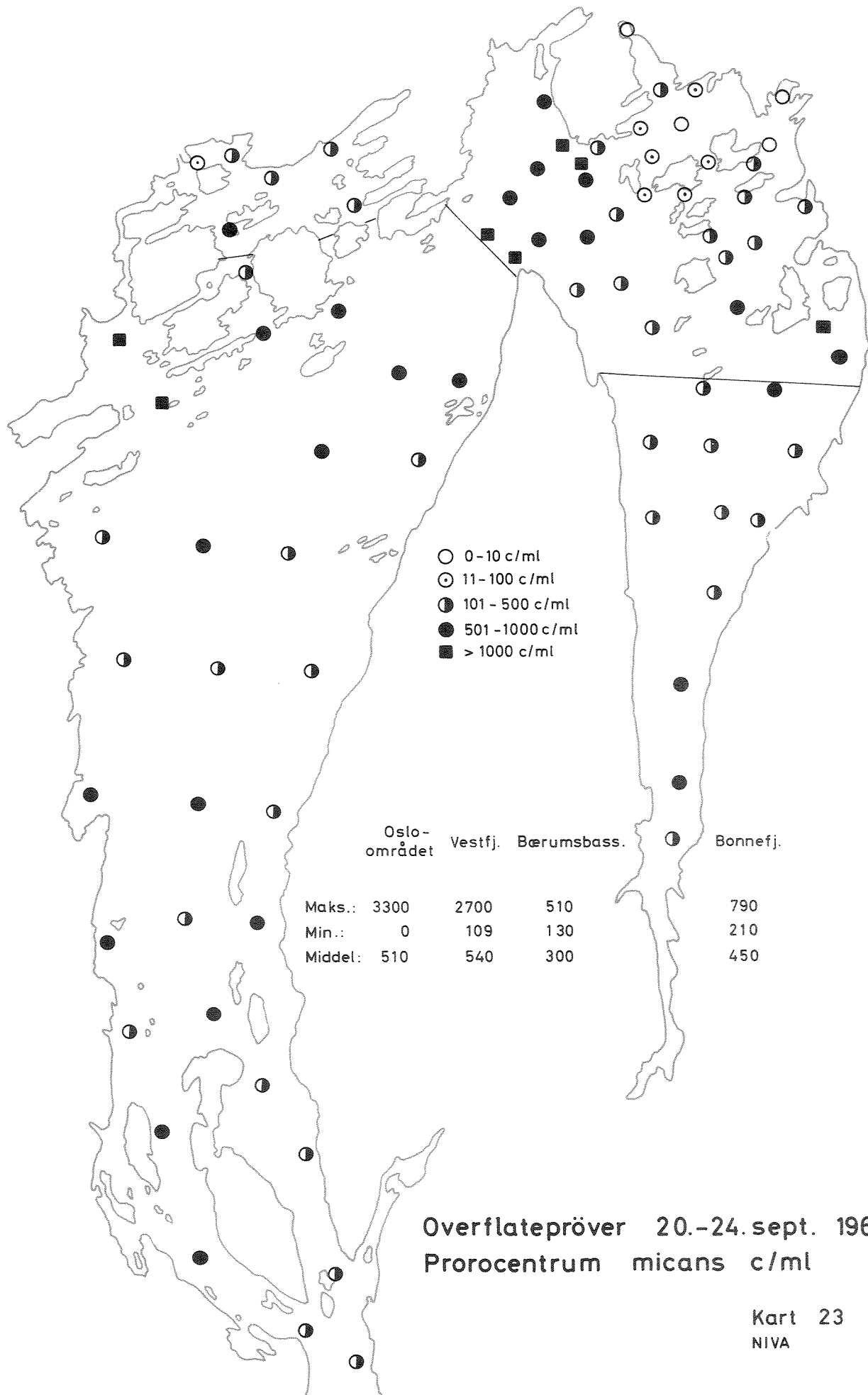
Overflateprøver 20.-24. sept. 1963  
*Goniautax tamarensis* c/l

Kart 21  
 NIVA



Overflateprøver 20.-24. sept. 1963  
 Peridinium triquetrum c/ml

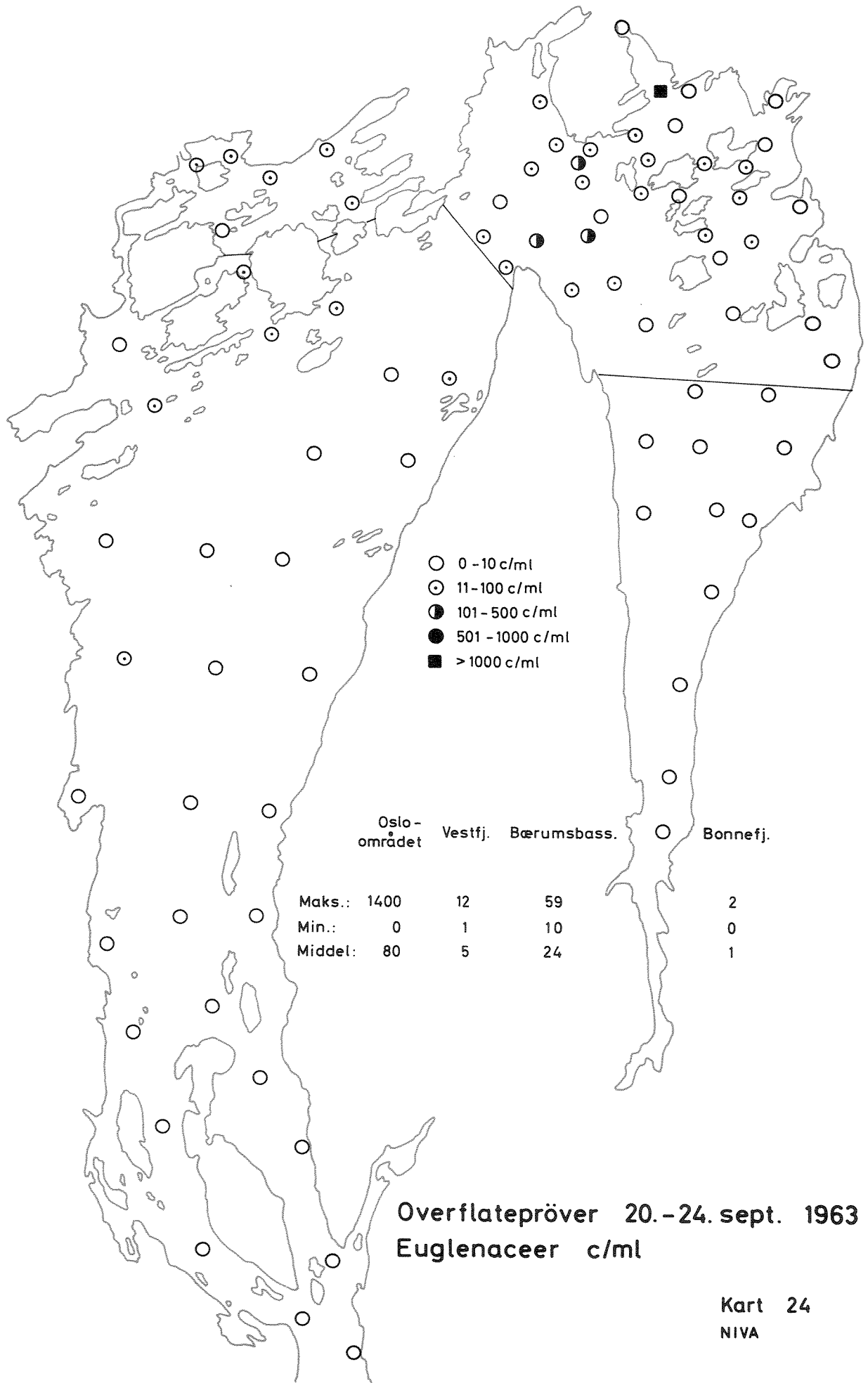
Kart 22  
 NIVA



- 0-10 c/ml
- ◐ 11-100 c/ml
- ◑ 101-500 c/ml
- 501-1000 c/ml
- > 1000 c/ml

	Oslo- området	Vestfj.	Bærumsbass.	Bonnefj.
Maks.:	3300	2700	510	790
Min.:	0	109	130	210
Middel:	510	540	300	450

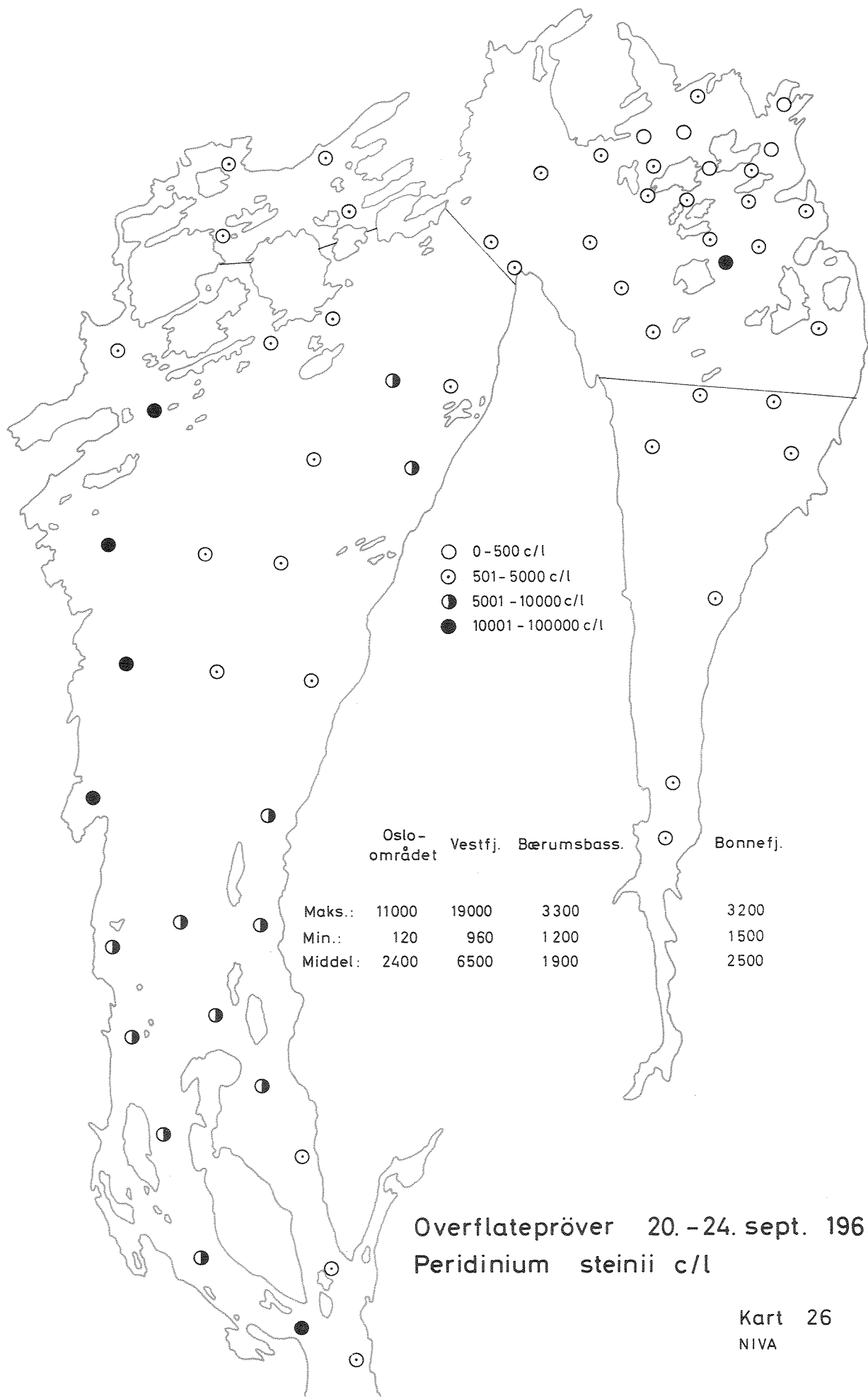
Overflateprøver 20.-24.sept. 1963  
 Prorocentrum micans c/ml



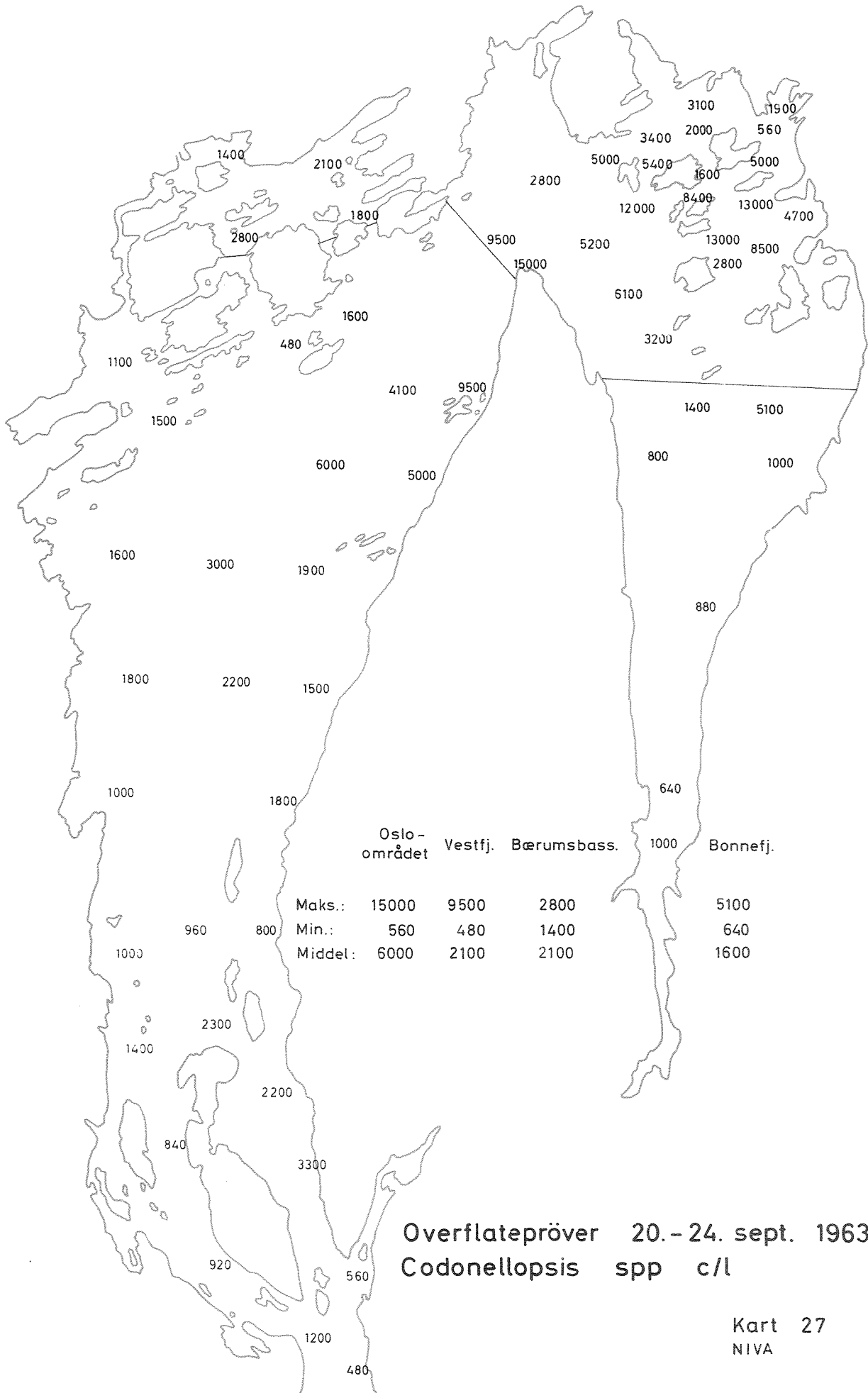
Overflateprøver 20.-24. sept. 1963  
Euglenaceer c/ml

Kart 24  
NIVA





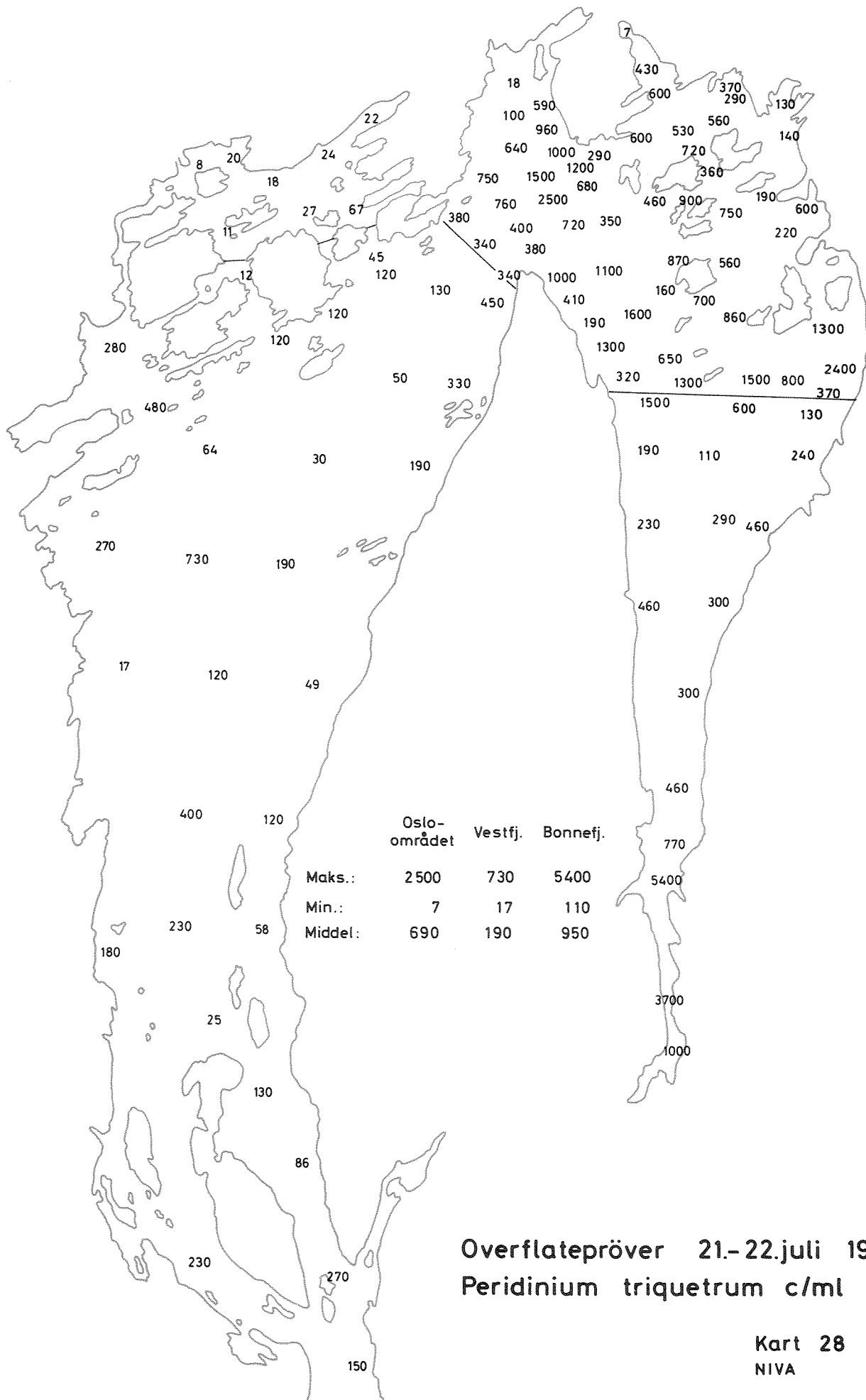
Overflateprøver 20. -24. sept. 1963  
 Peridinium steinii c/l



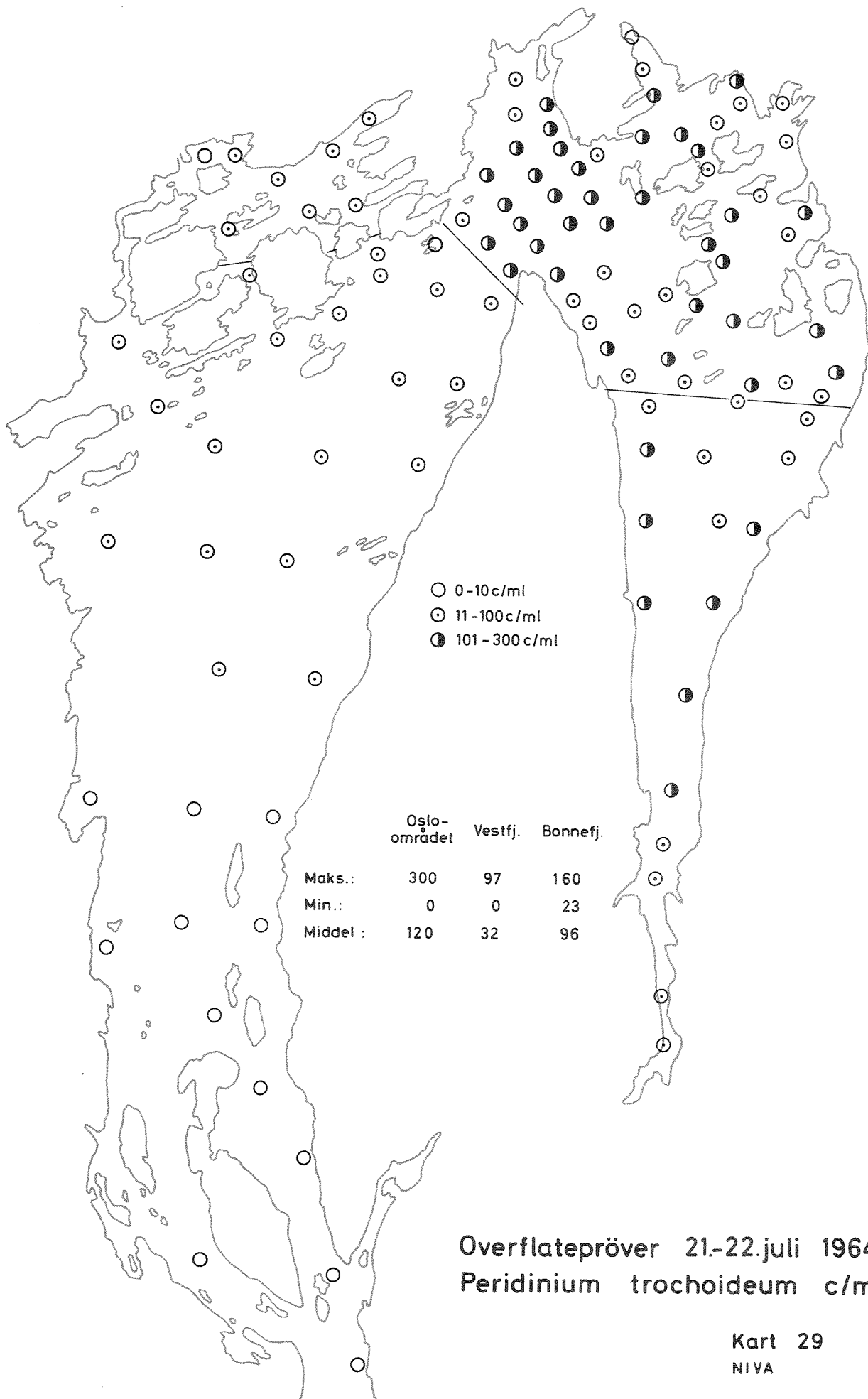
Overflateprøver 20.-24. sept. 1963  
*Codonellopsis* spp c/l

Kart 27  
 NIVA



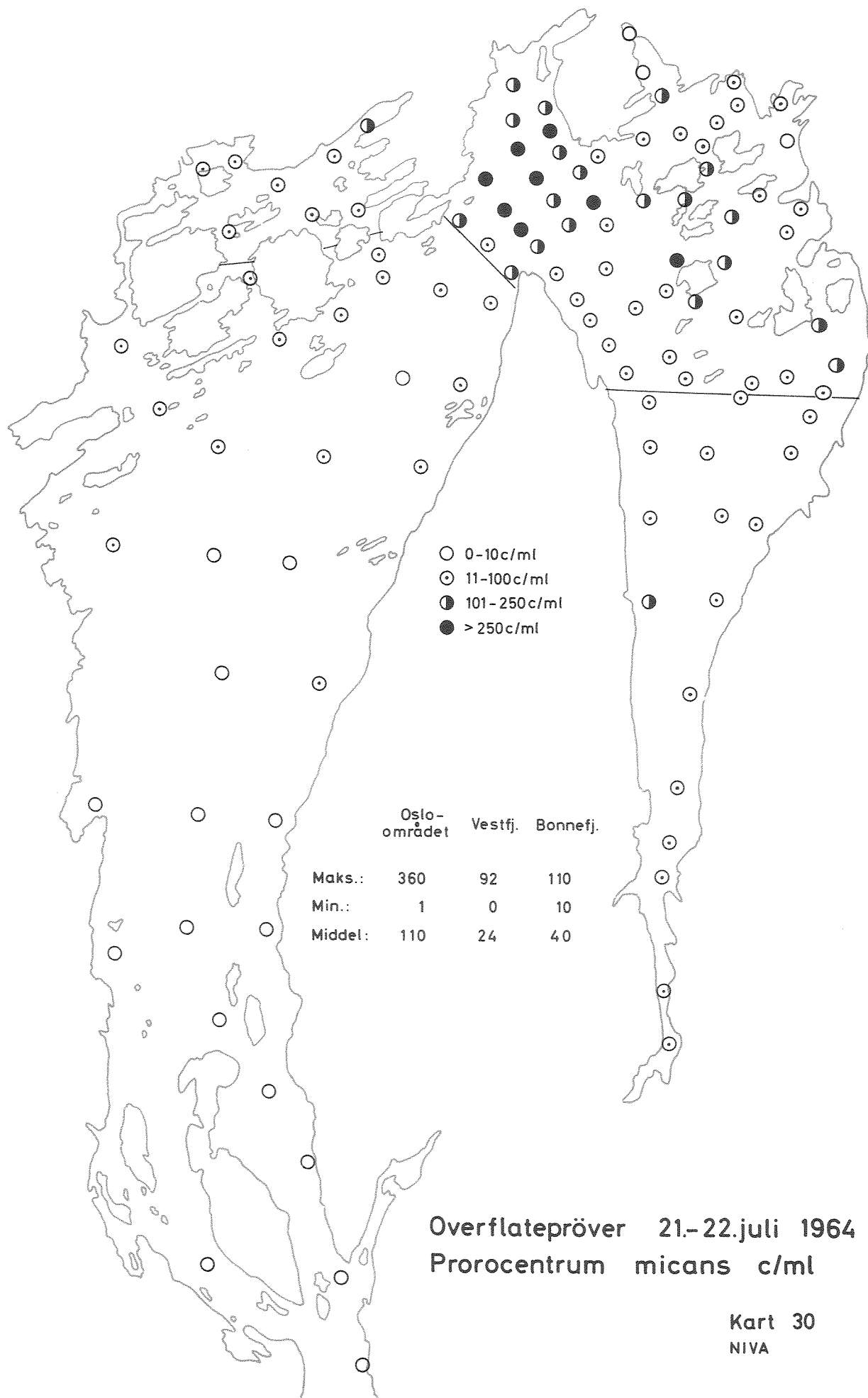


Overflateprøver 21.-22.juli 1964  
 Peridinium triquetrum c/ml



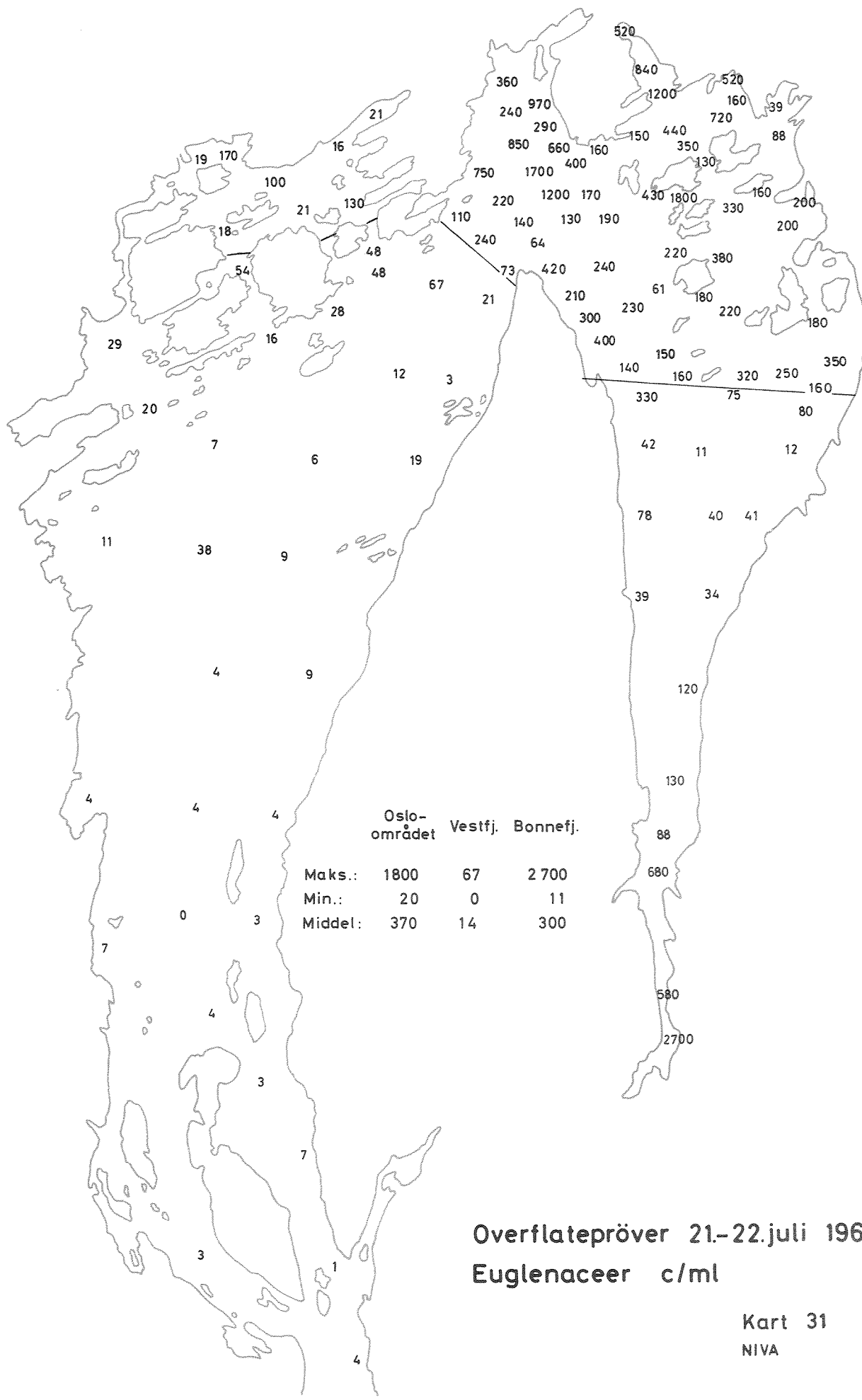
Overflateprøver 21.-22.juli 1964  
 Peridinium trochoideum c/ml

Kart 29  
 NIVA



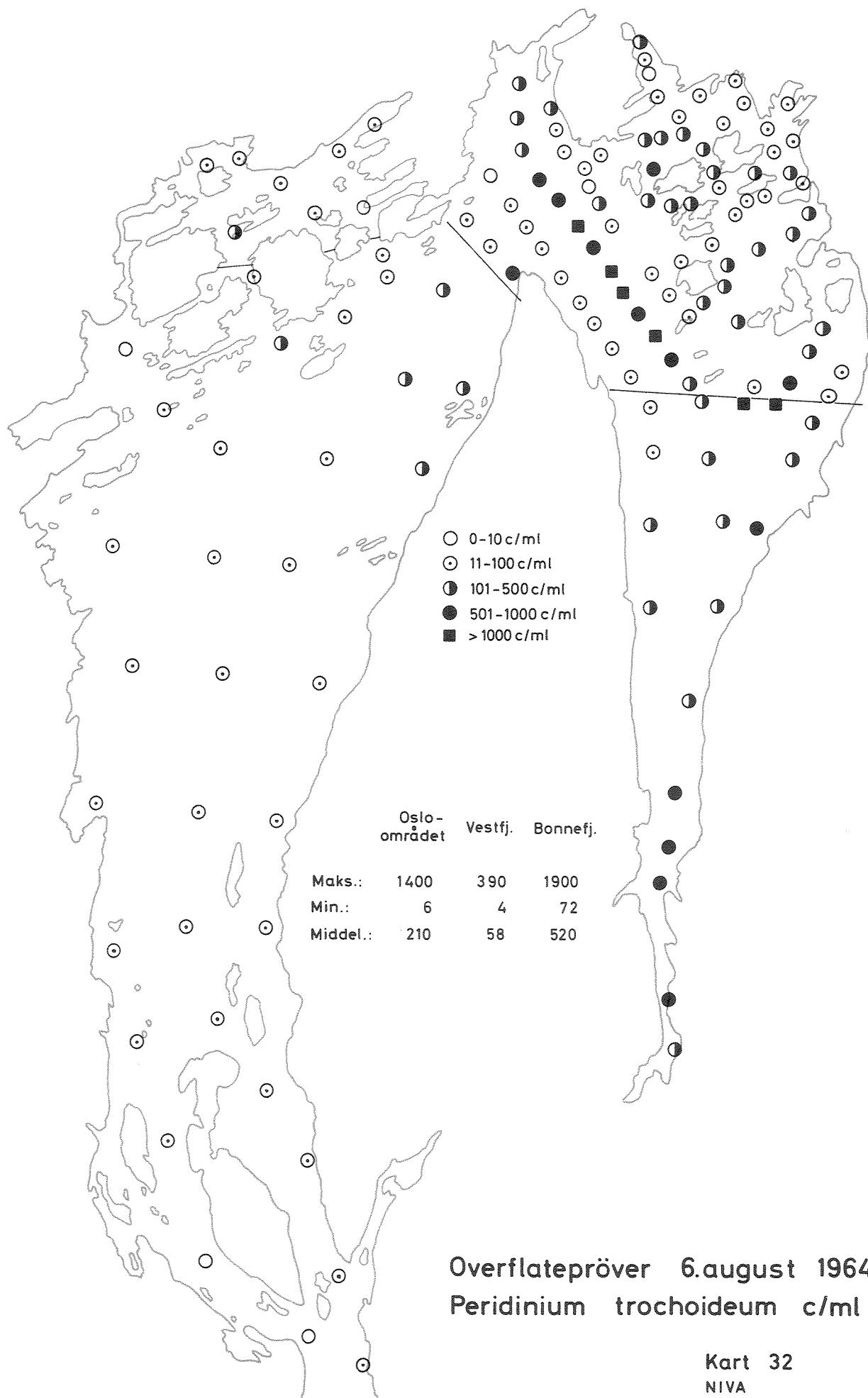
Overflateprøver 21.-22.juli 1964  
 Prorocentrum micans c/ml

Kart 30  
 NIVA

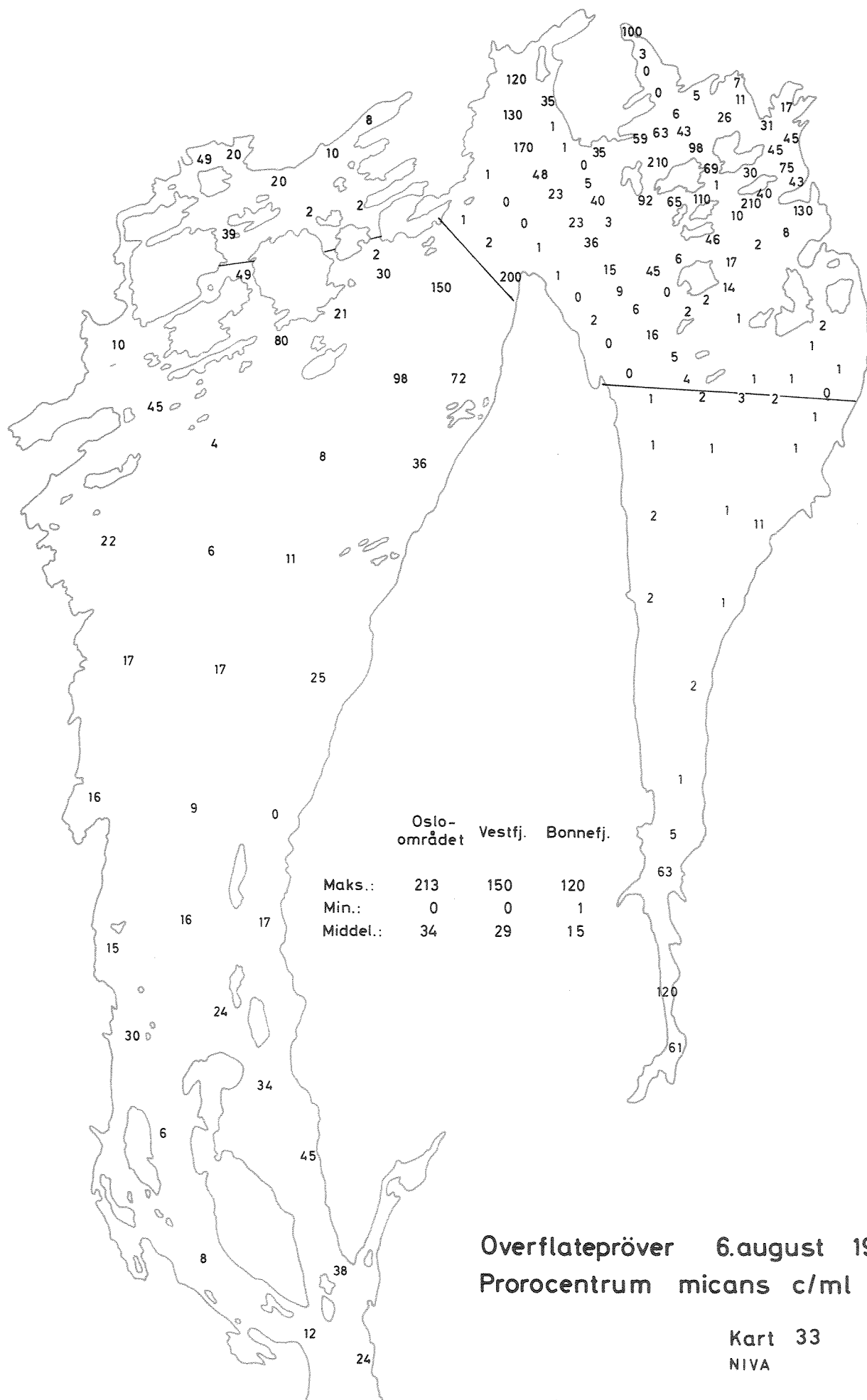


Overflateprøver 21.-22.juli 1964  
Euglenaceer c/ml

Kart 31  
NIVA

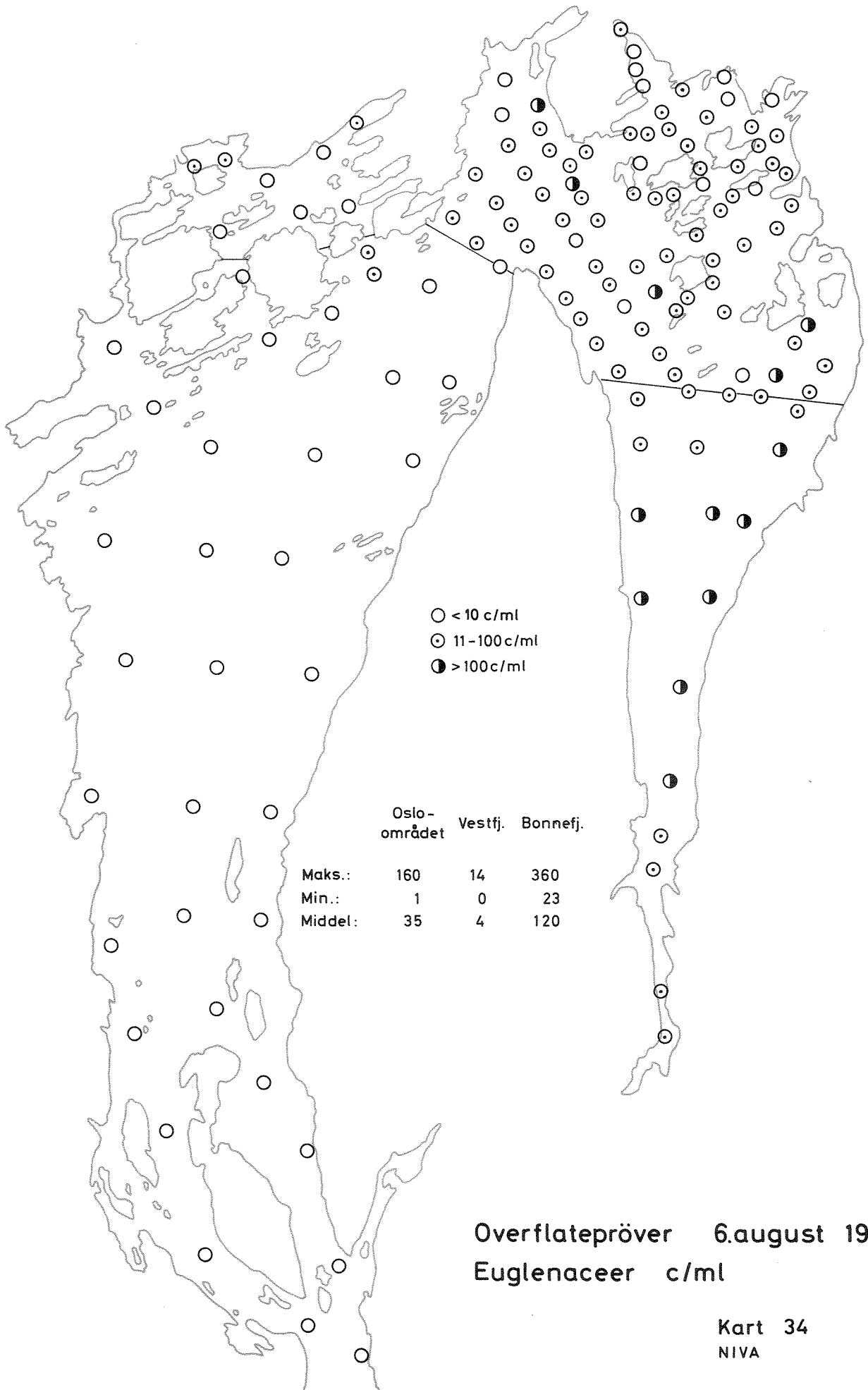


Overflateprøver 6.august 1964  
 Peridinium trochoideum c/ml

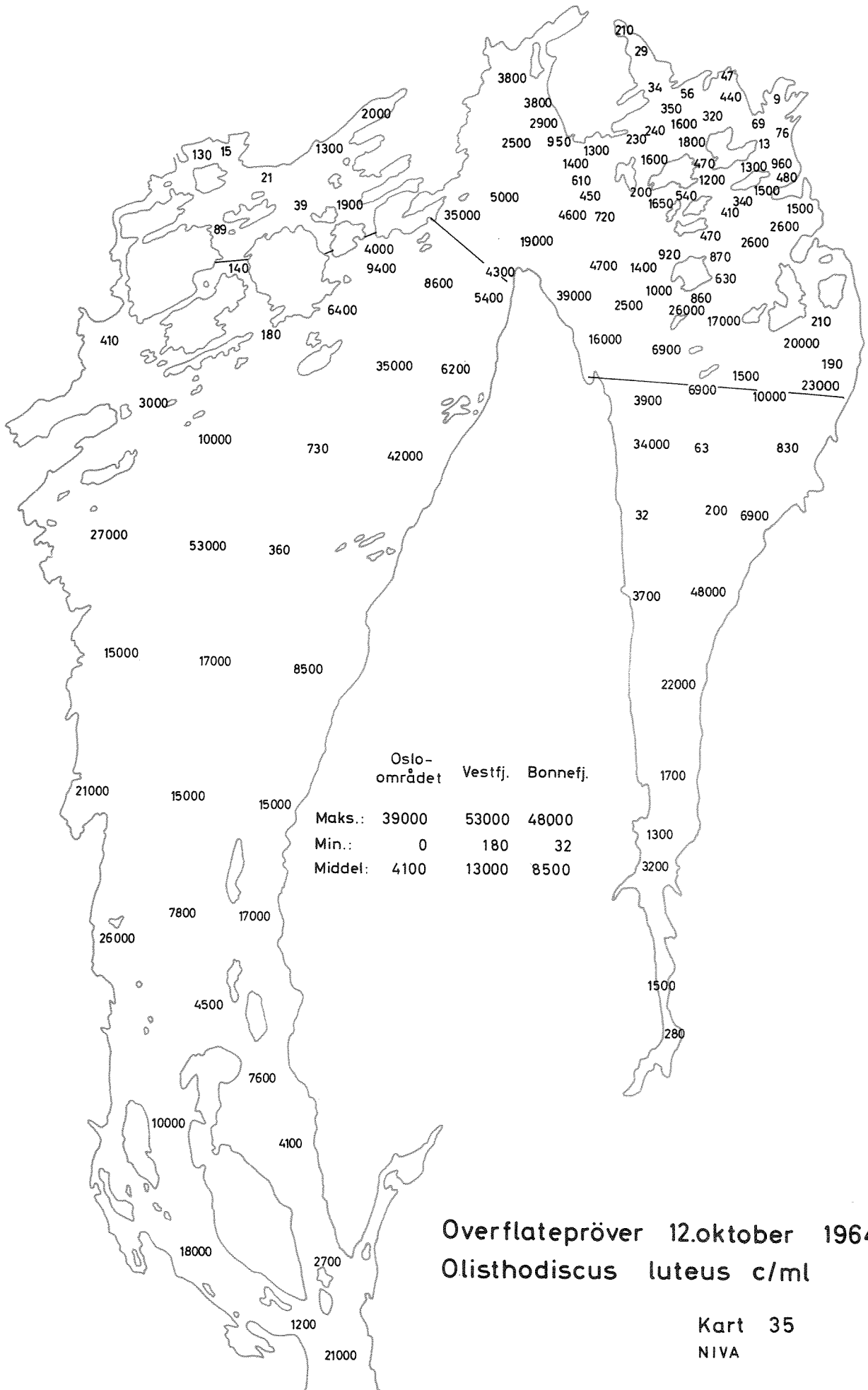


Overflateprøver 6.august 1964  
 Prorocentrum micans c/ml

Kart 33  
 NIVA



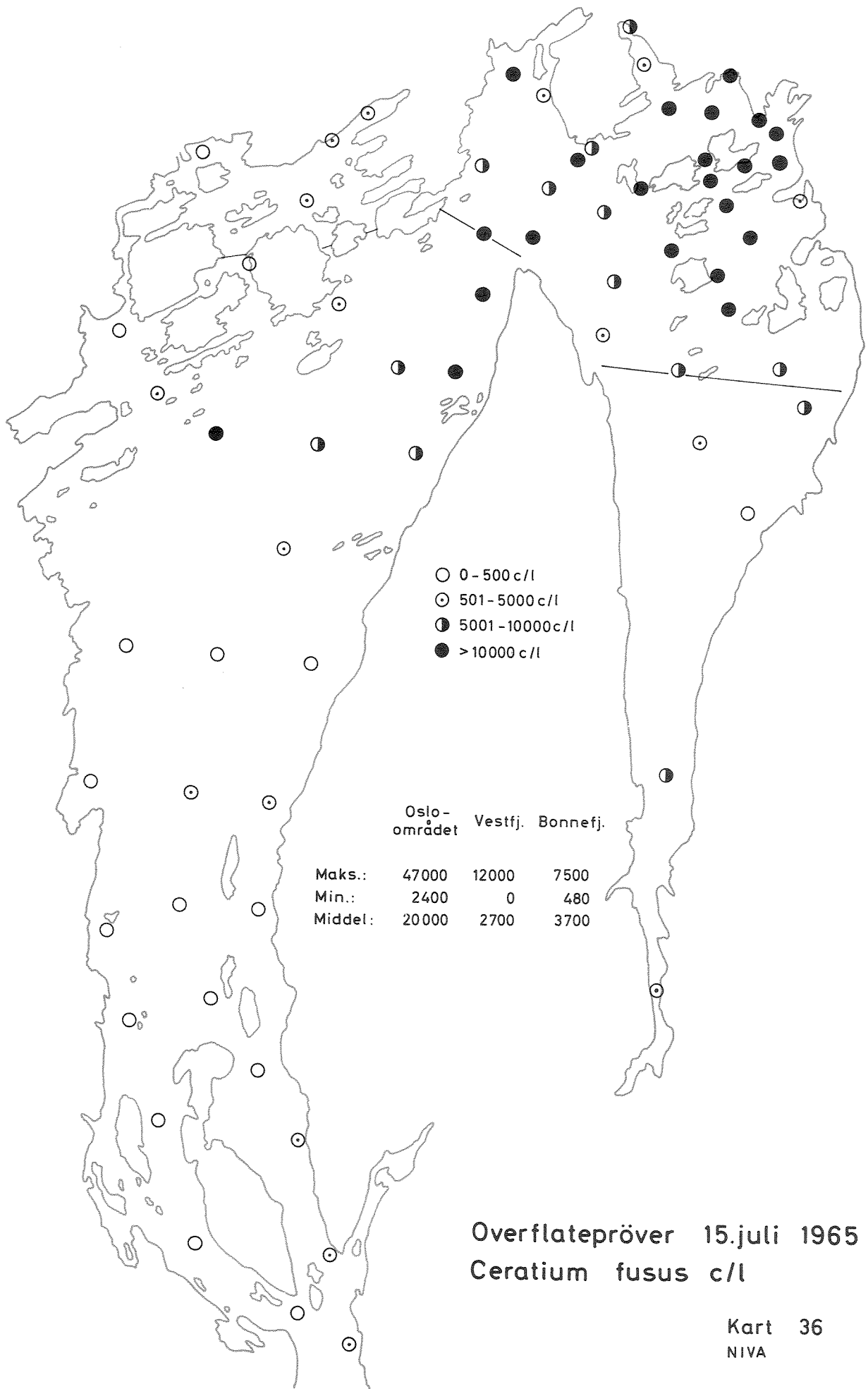
Overflateprøver 6.august 1964  
Euglenaceer c/ml

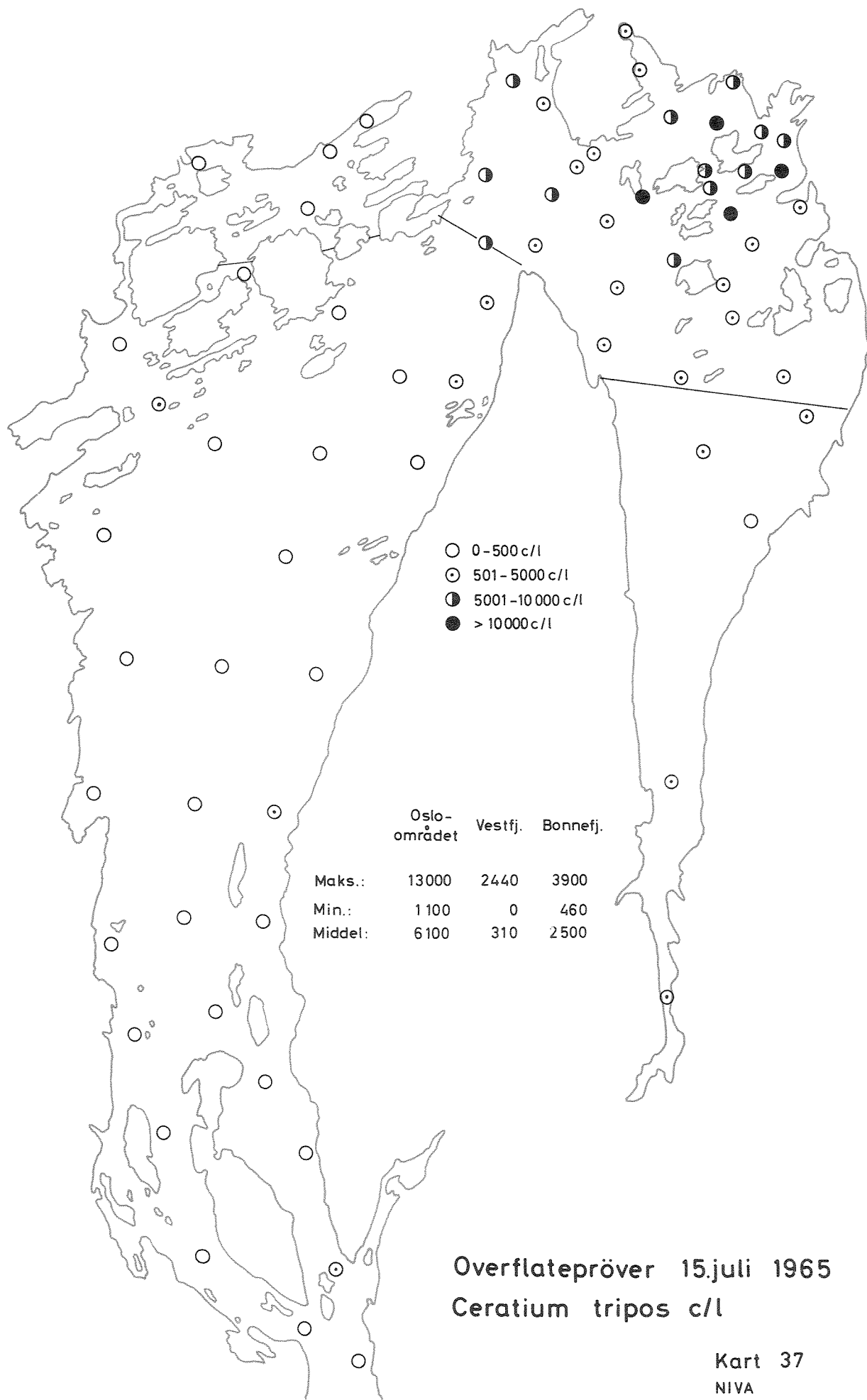


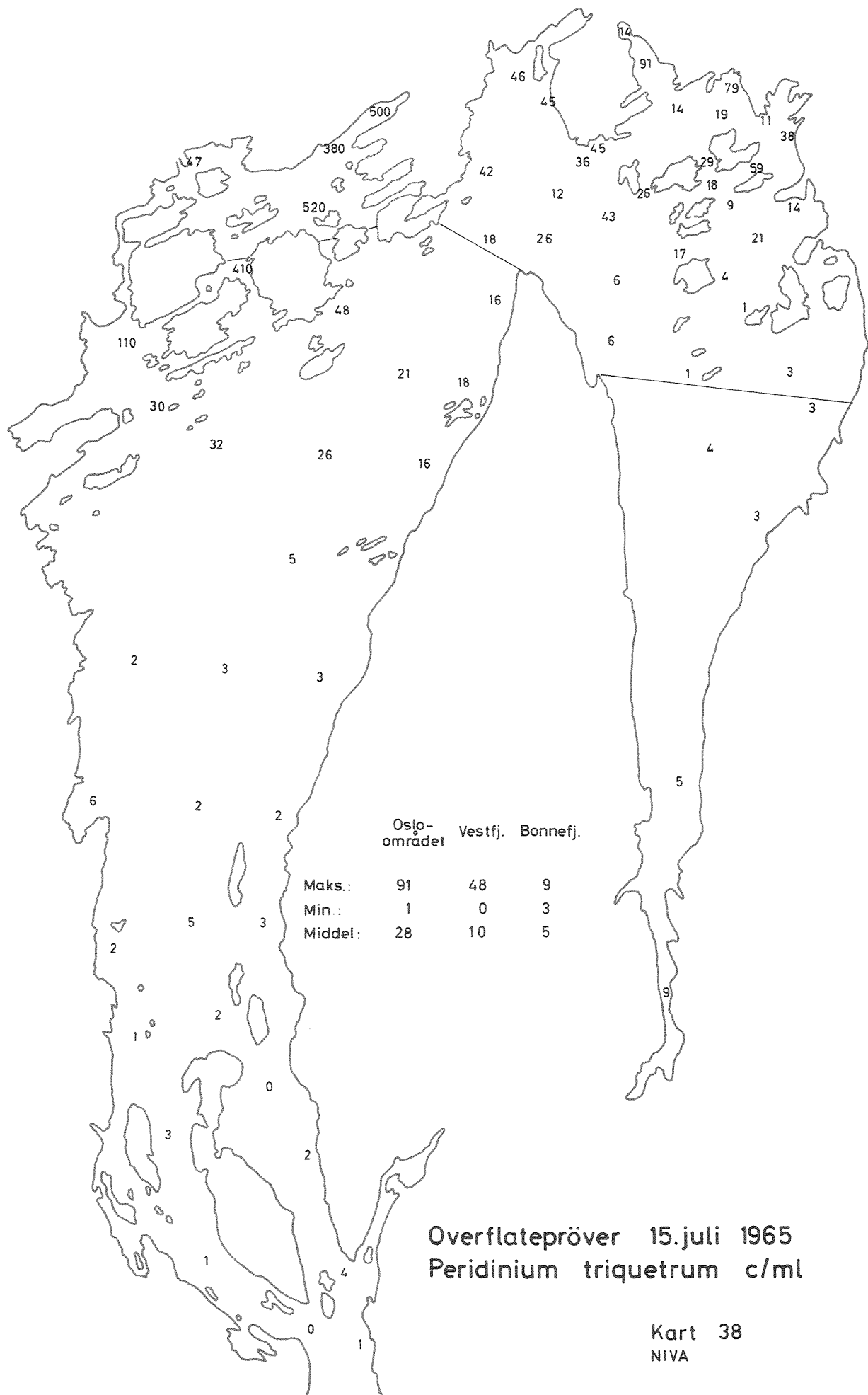
Overflateprøver 12.oktober 1964  
*Olisthodiscus luteus* c/ml

Kart 35  
 NIVA



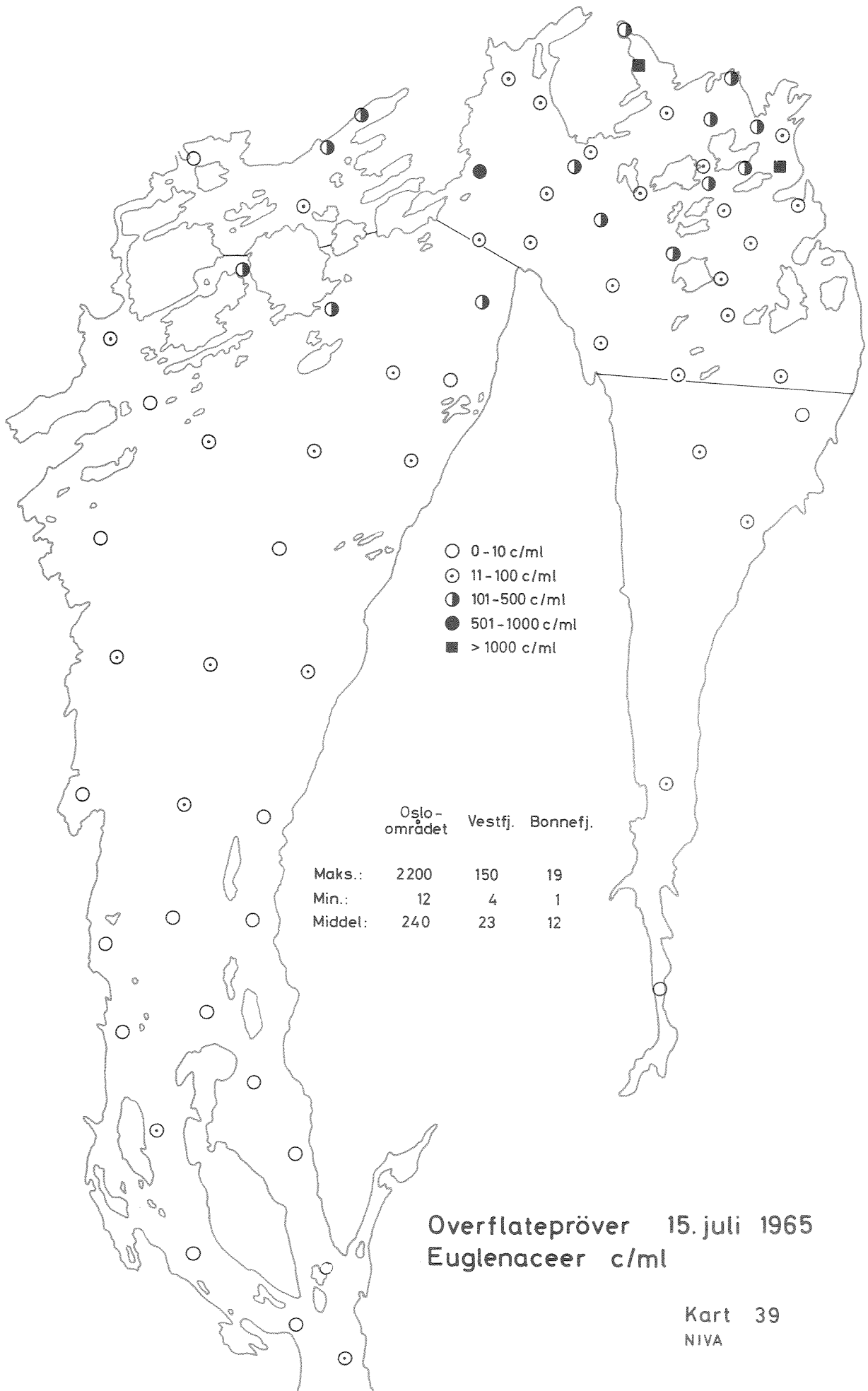






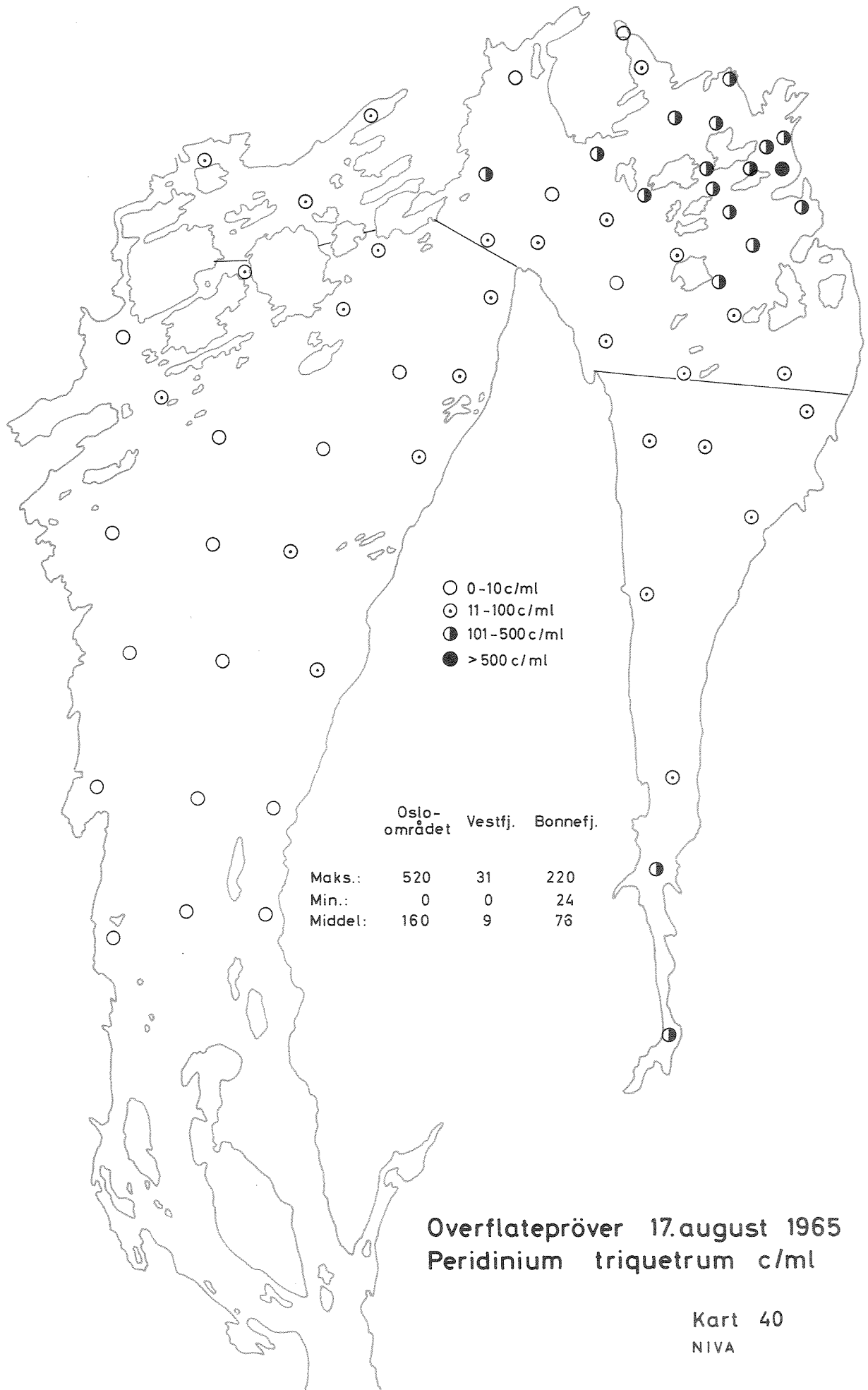
Overflateprøver 15.juli 1965  
*Peridinium triquetrum* c/ml

Kart 38  
 NIVA



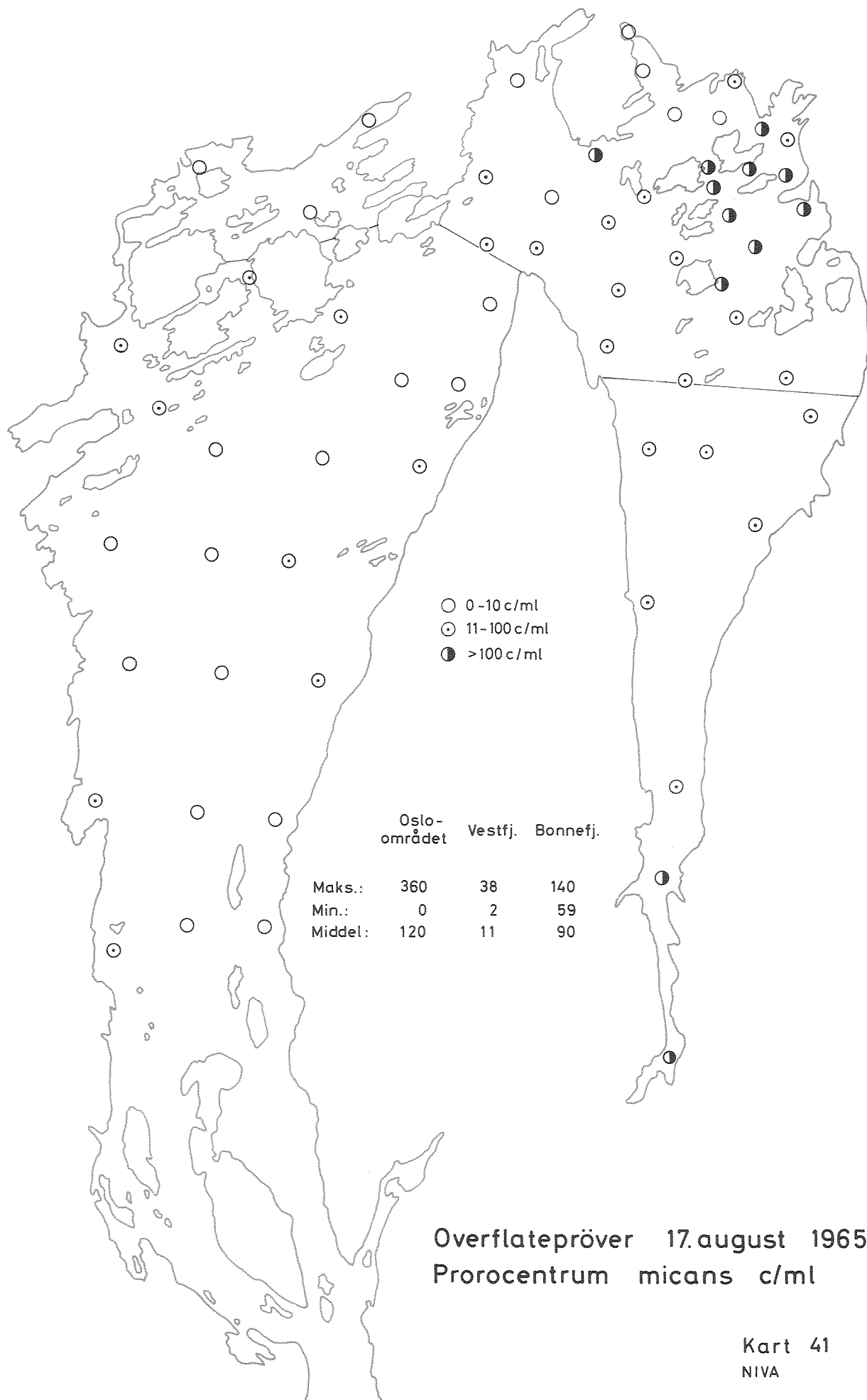
Overflateprøver 15. juli 1965  
Euglenaceer c/ml

Kart 39  
NIVA

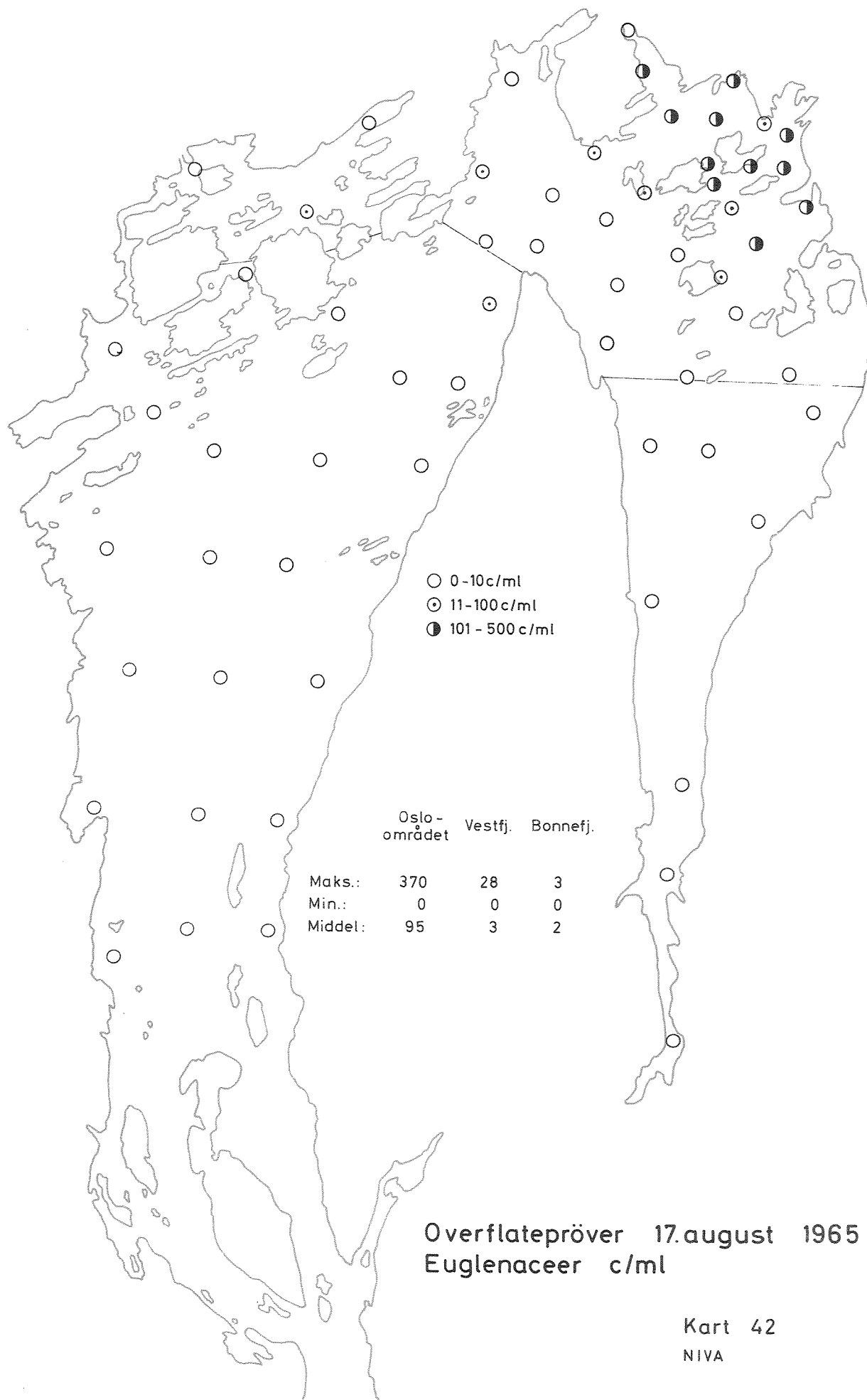


Overflateprøver 17. august 1965  
 Peridinium triquetrum c/ml

Kart 40  
 NIVA



Overflateprøver 17.august 1965  
 Prorocentrum micans c/ml



Overflateprøver 17.august 1965  
Euglenaceer c/ml

Kart 42  
NIVA