

OSLOFJORDEN OG DENS FORURENSNINGSPROBLEMER

I. Undersøkelsen 1962 - 1965

Delrapport nr. 4

FYTOPLANKTON

av

Trygve Braarud og Ingrid Nygaard

Institutt for Marin Biologi avd. B,

Universitetet i Oslo

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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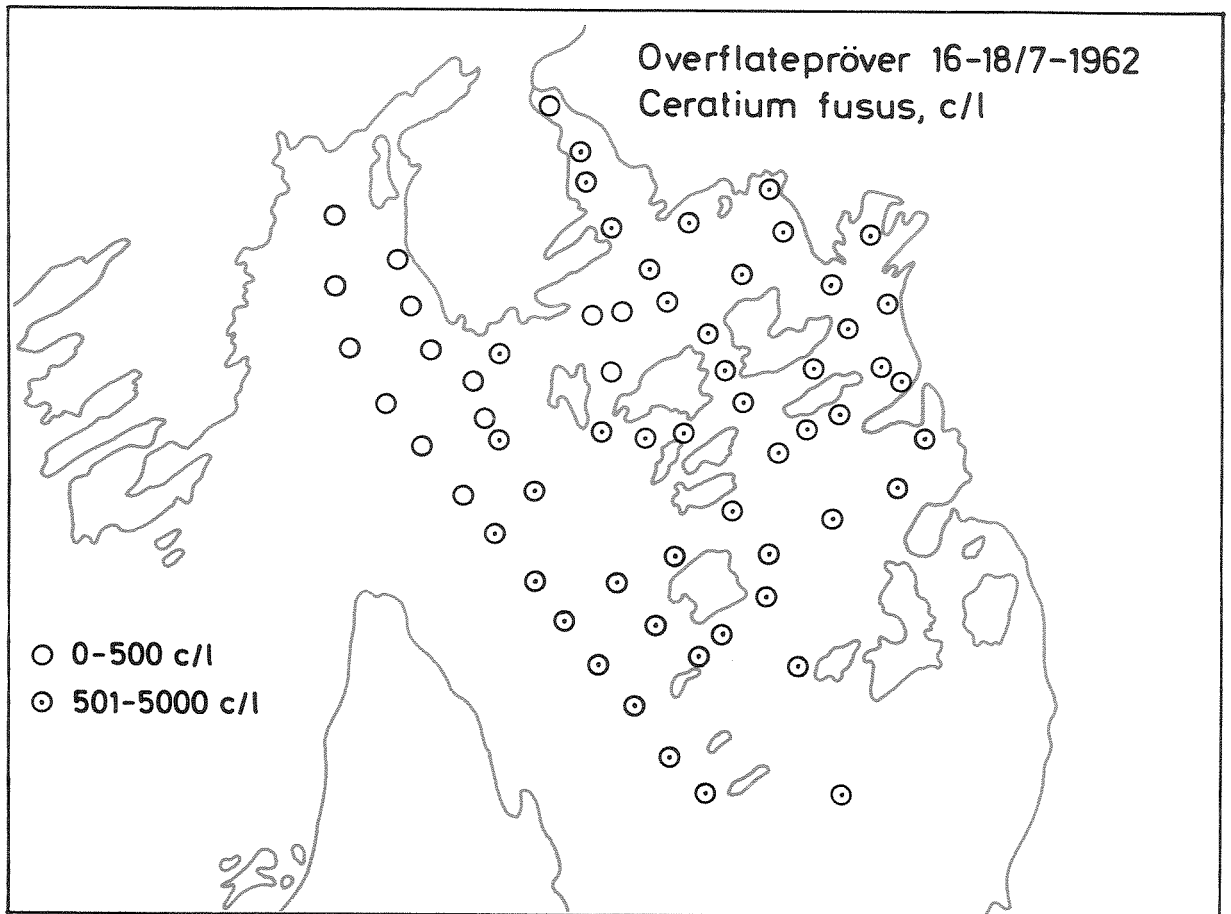
1965

15 juli:

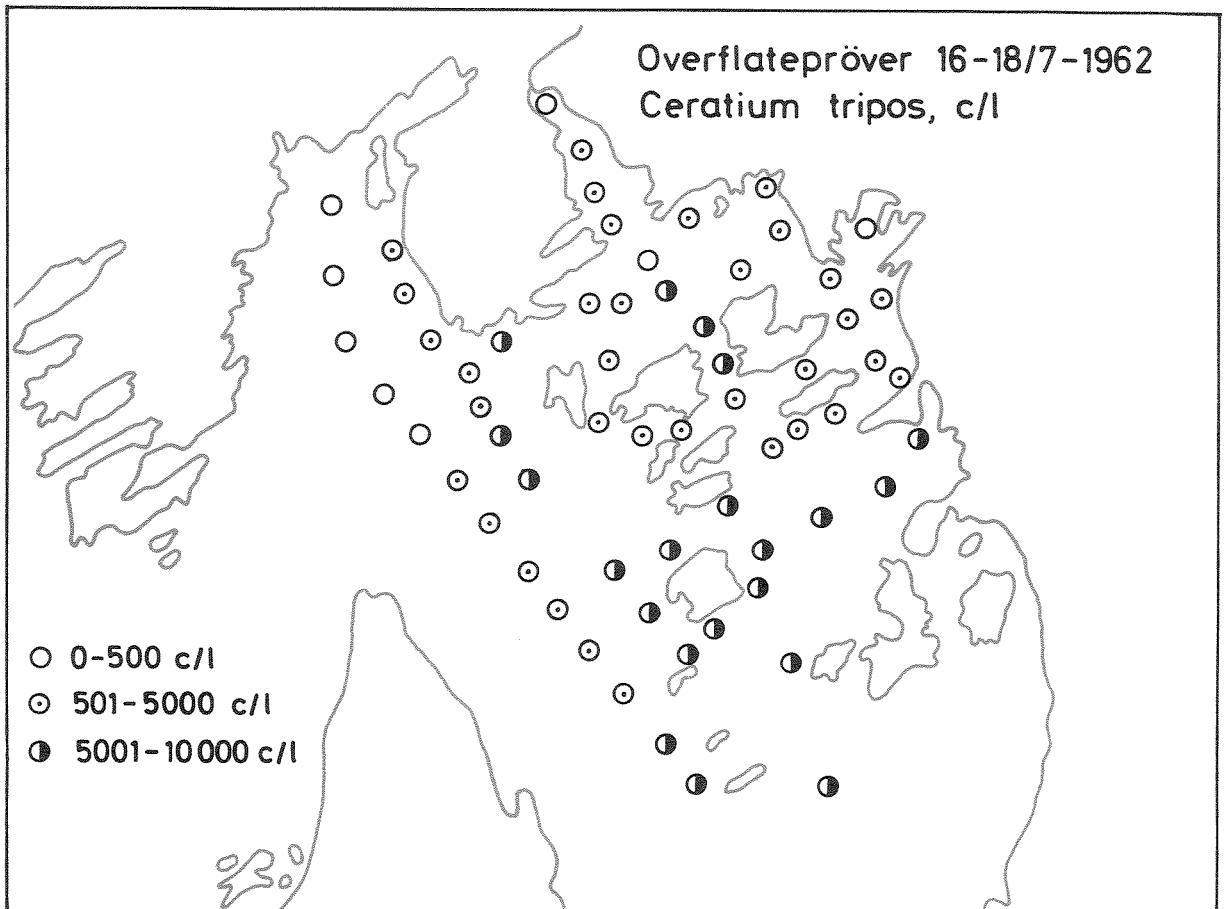
Ceratium fusus.....kart	36
" tripos..... "	37
Peridinium triquetrum. "	38+
Euglenaceae..... "	39

17 august:

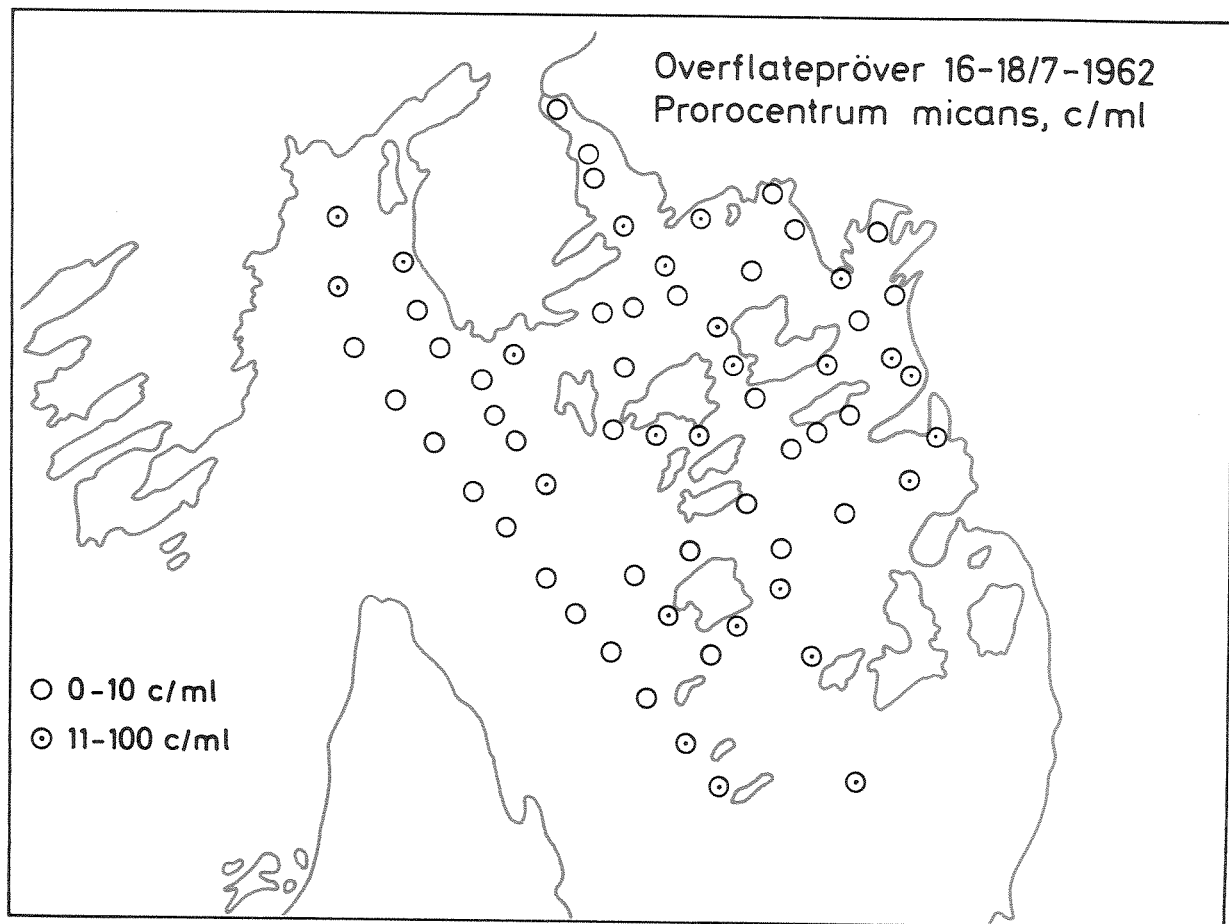
Peridinium triquetrum.kart	40
Prorocentrum micans... "	41
Euglenaceae..... "	42



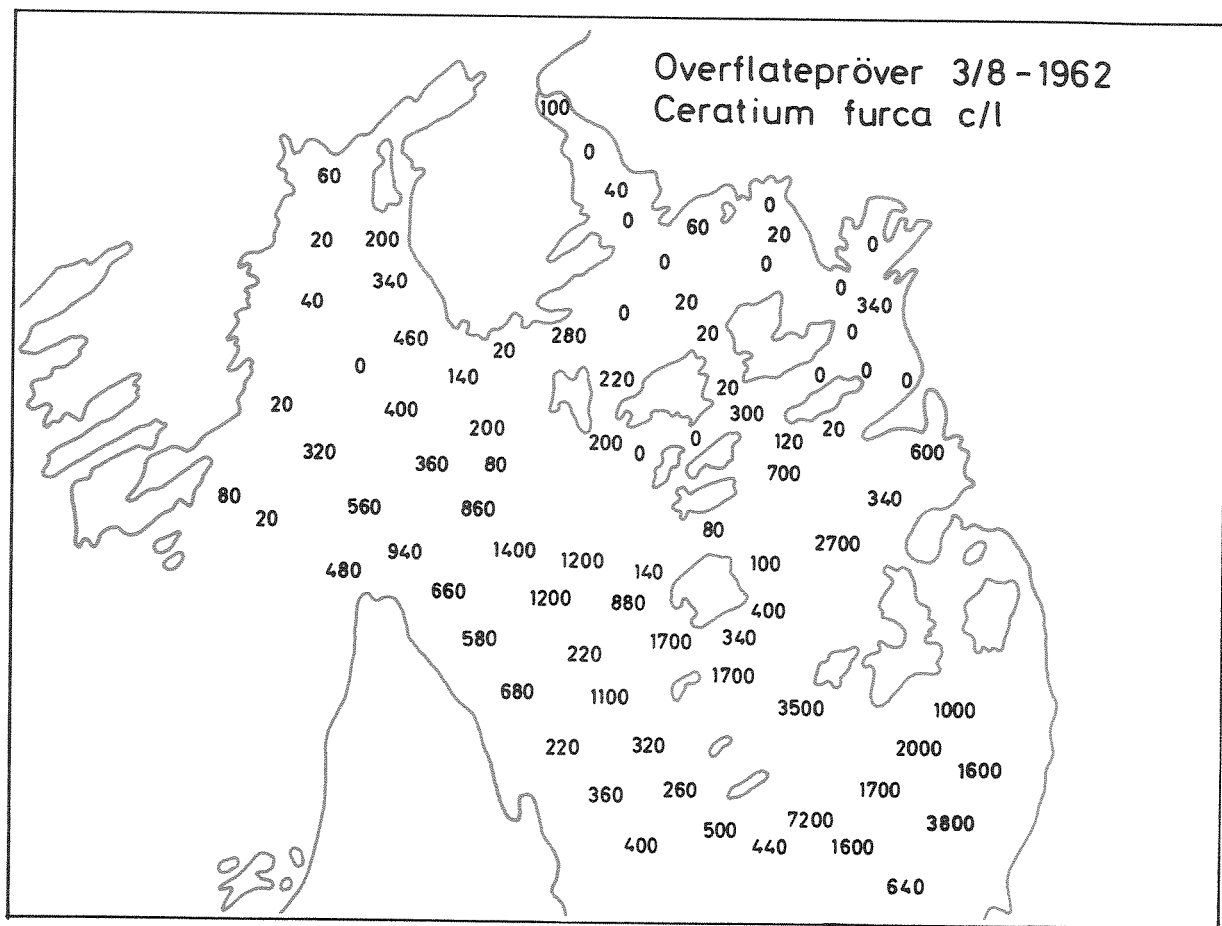
Kart 1



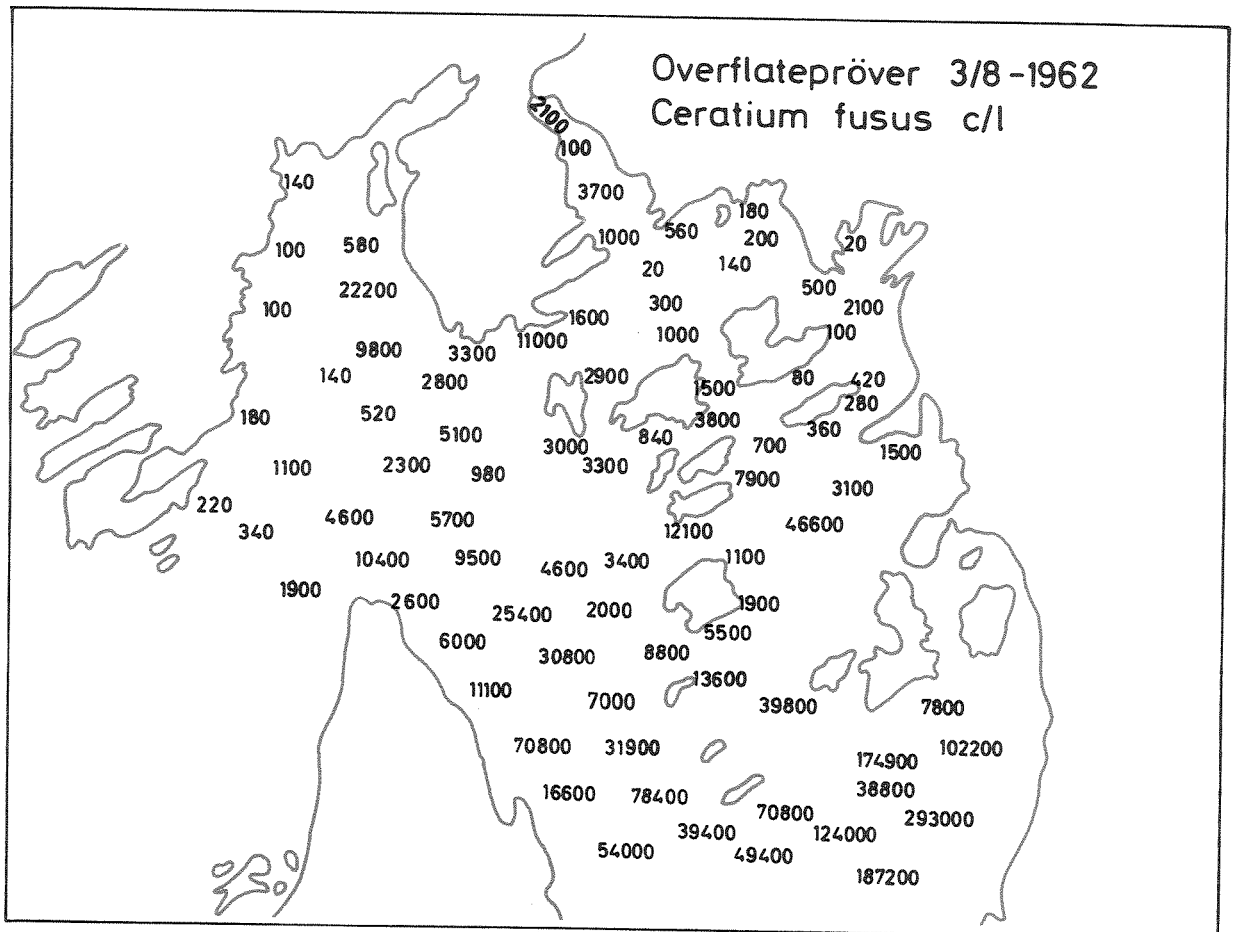
Kart 2



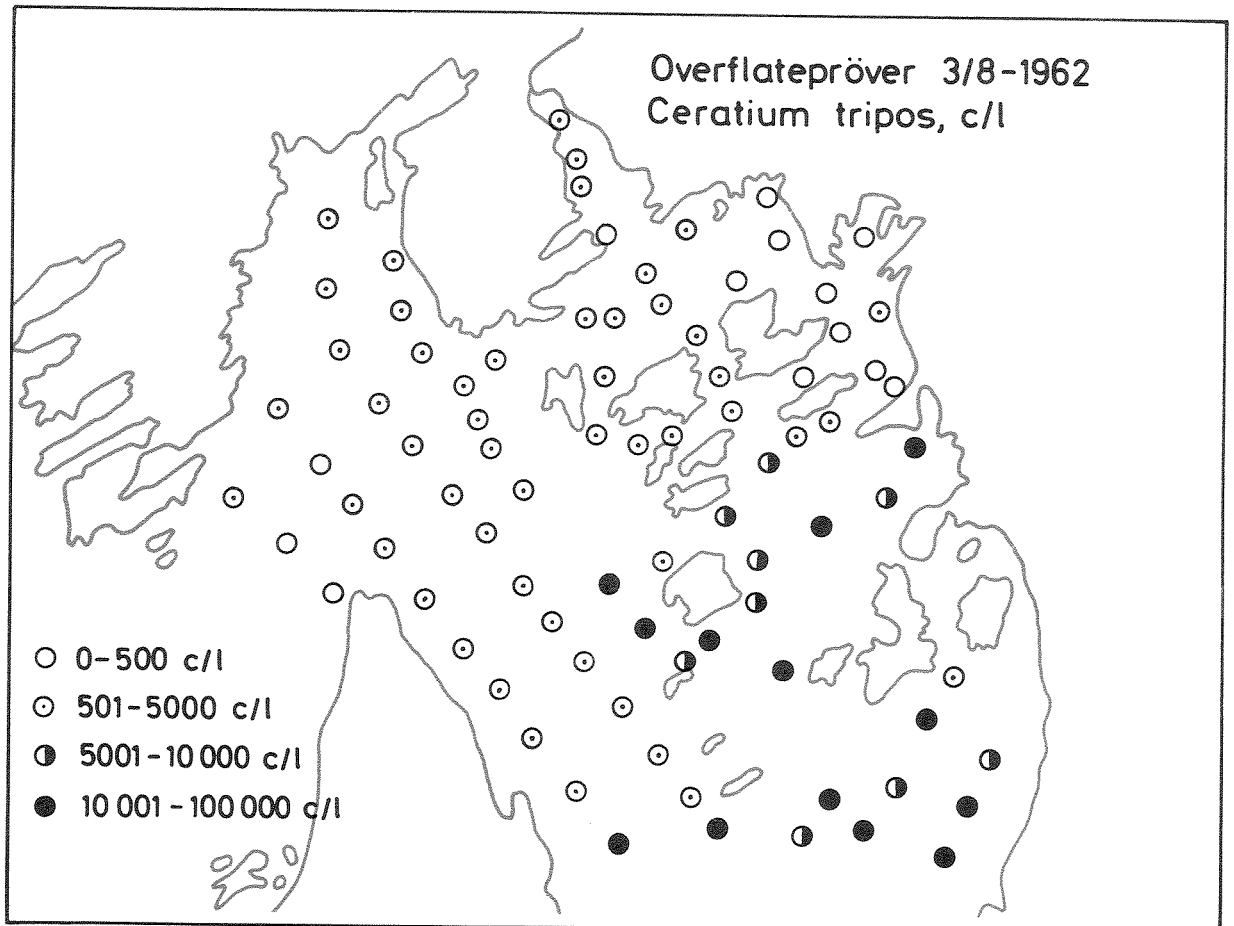
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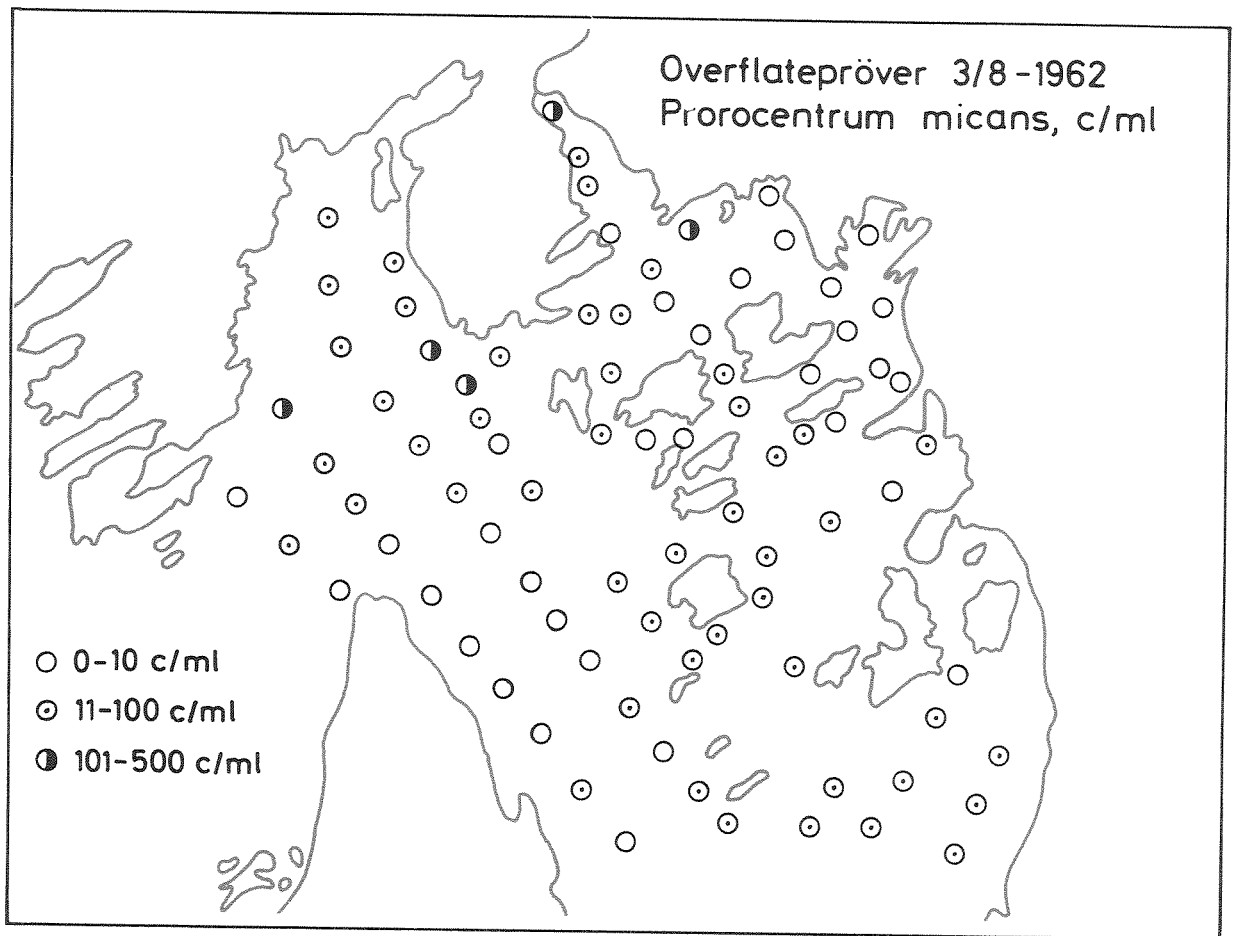
Kart 4



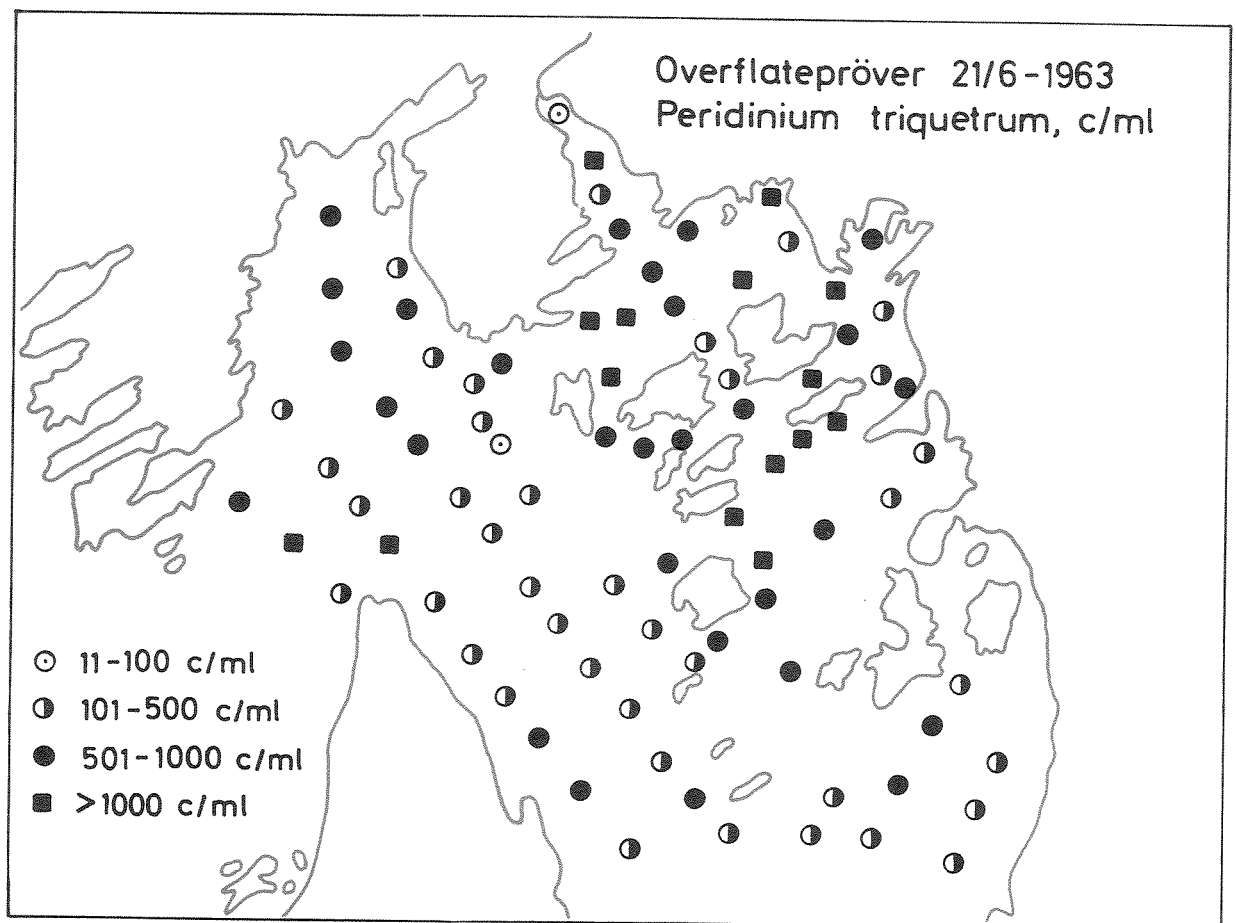
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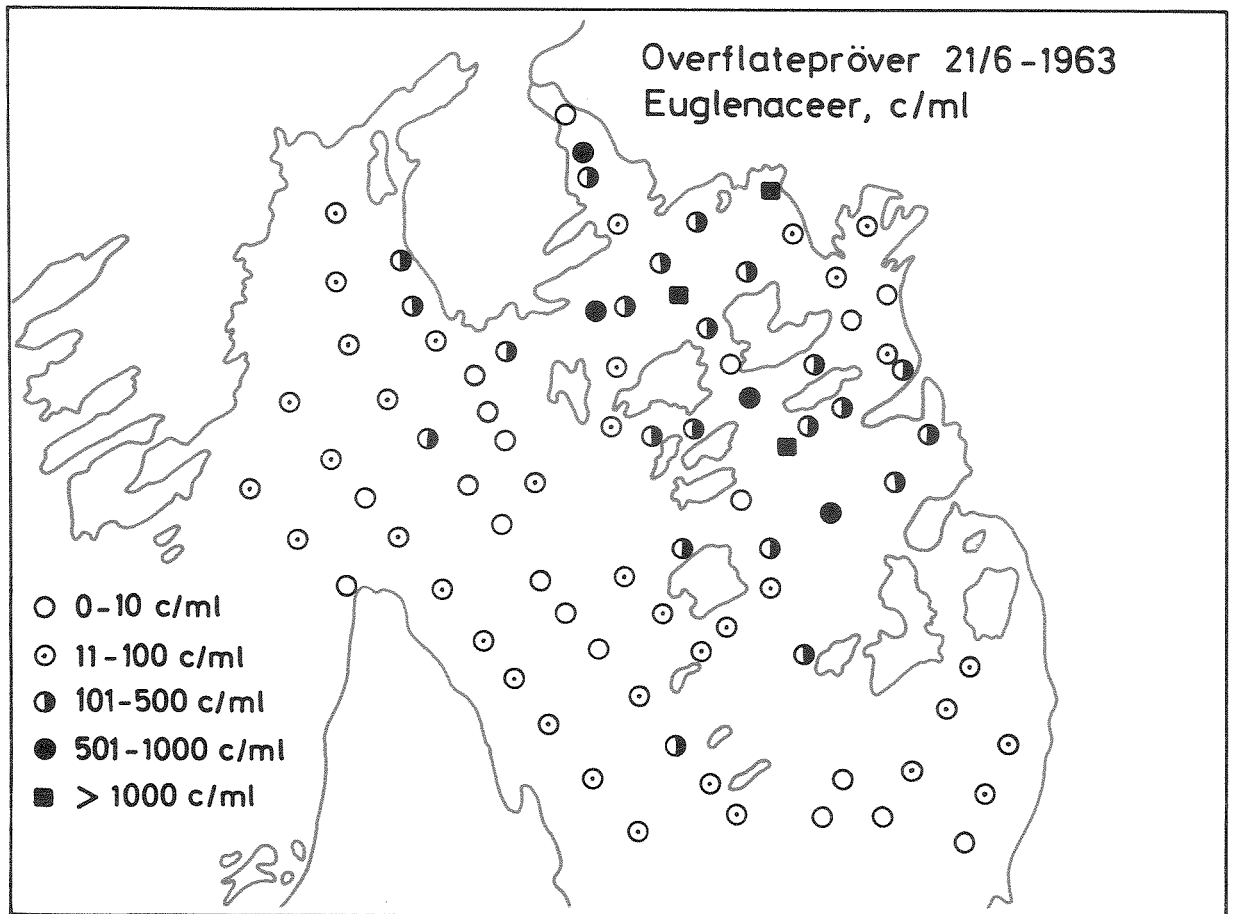
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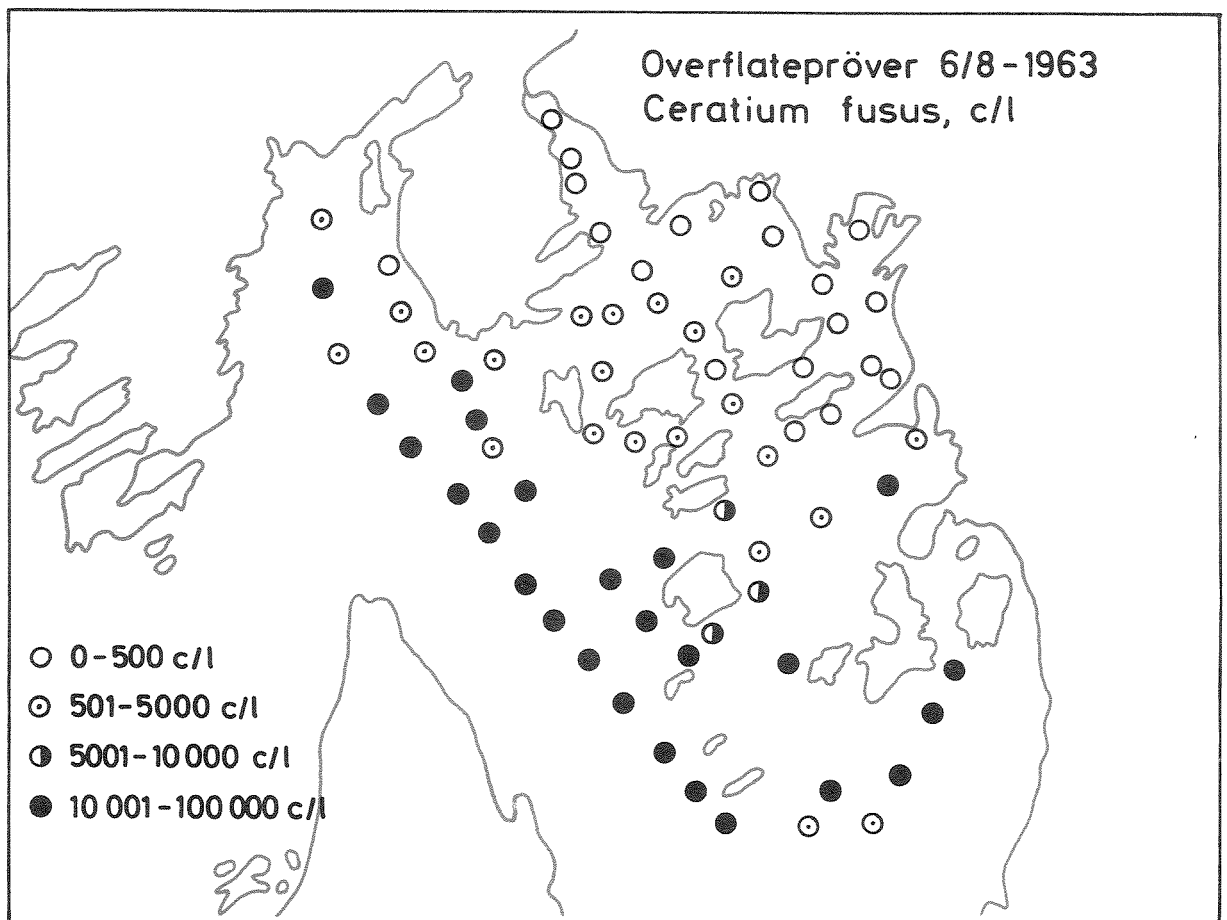
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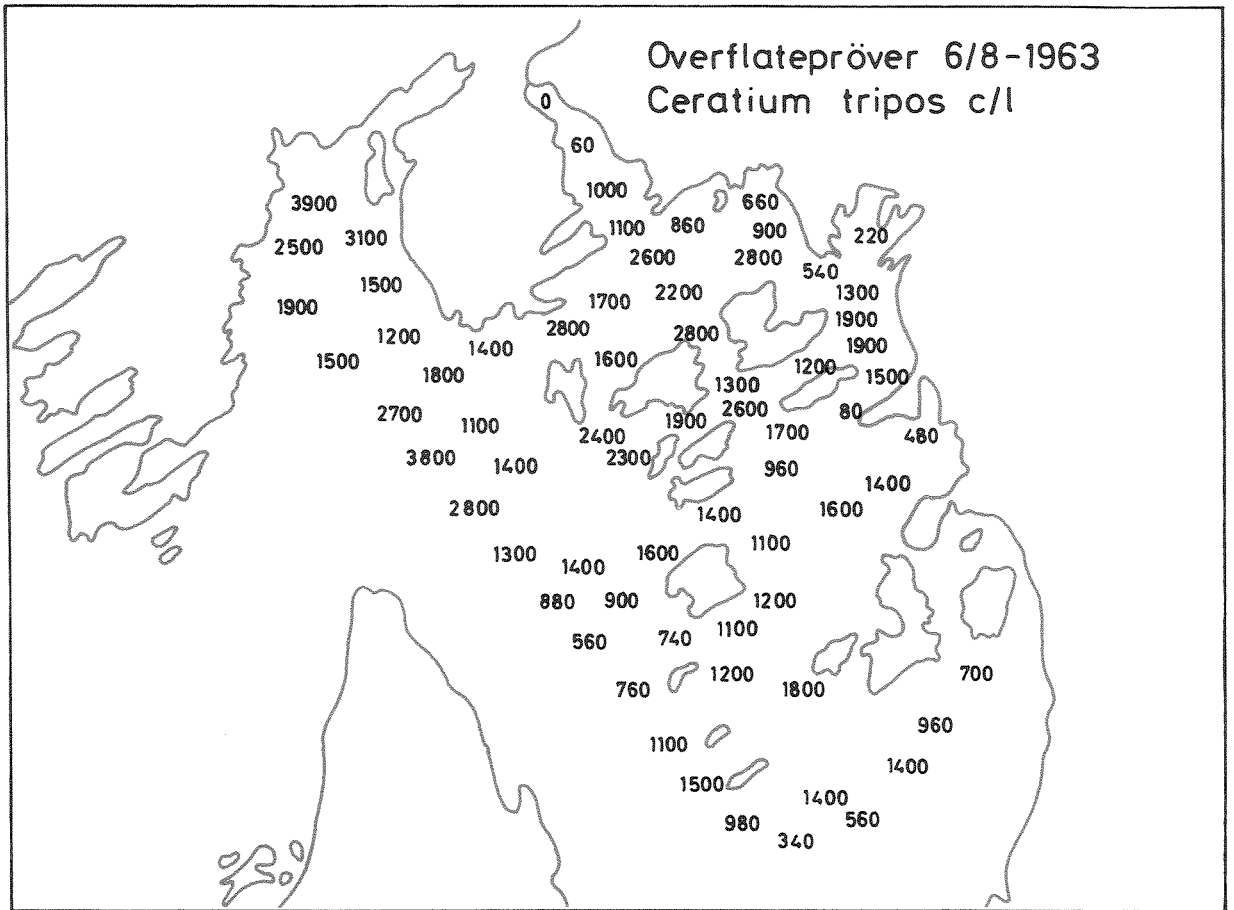
Kart 8



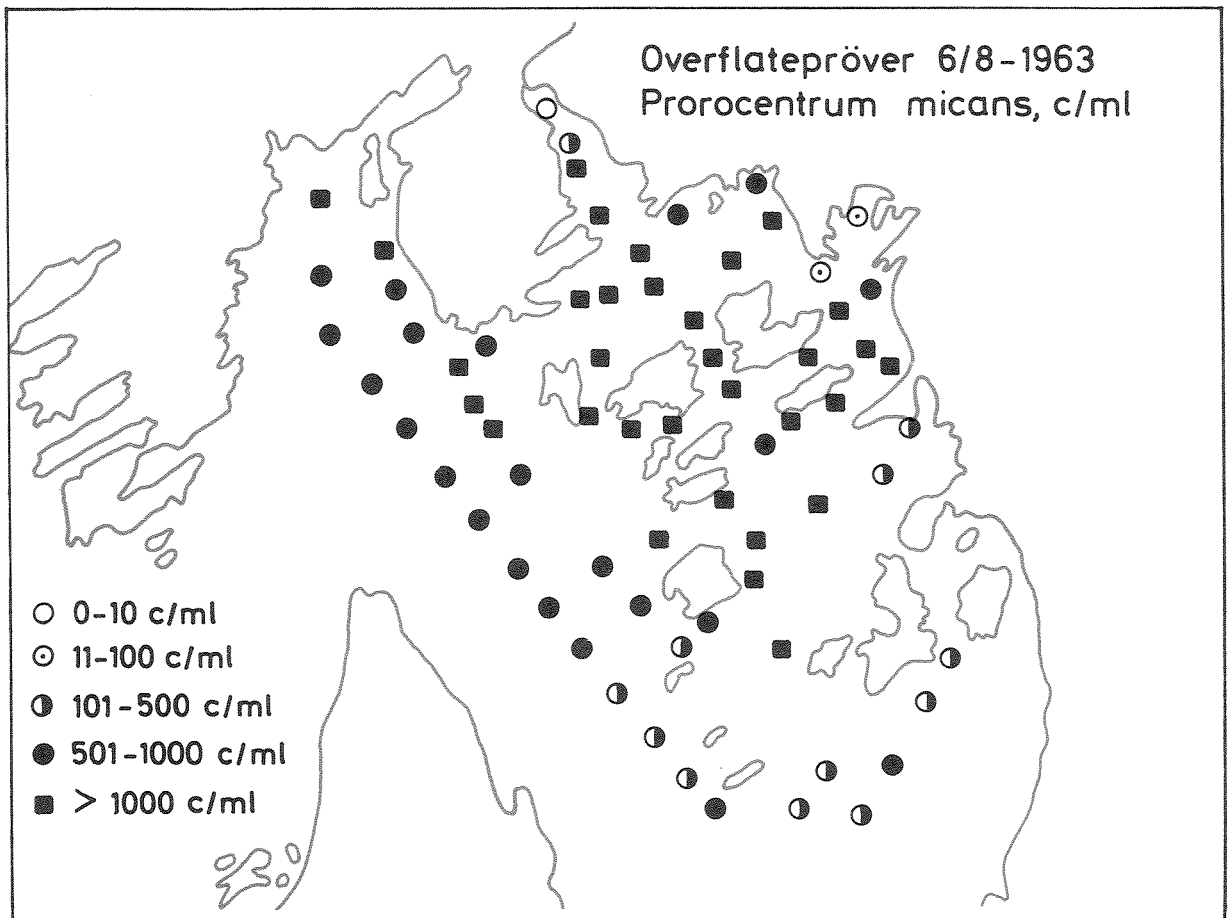
Kart 9



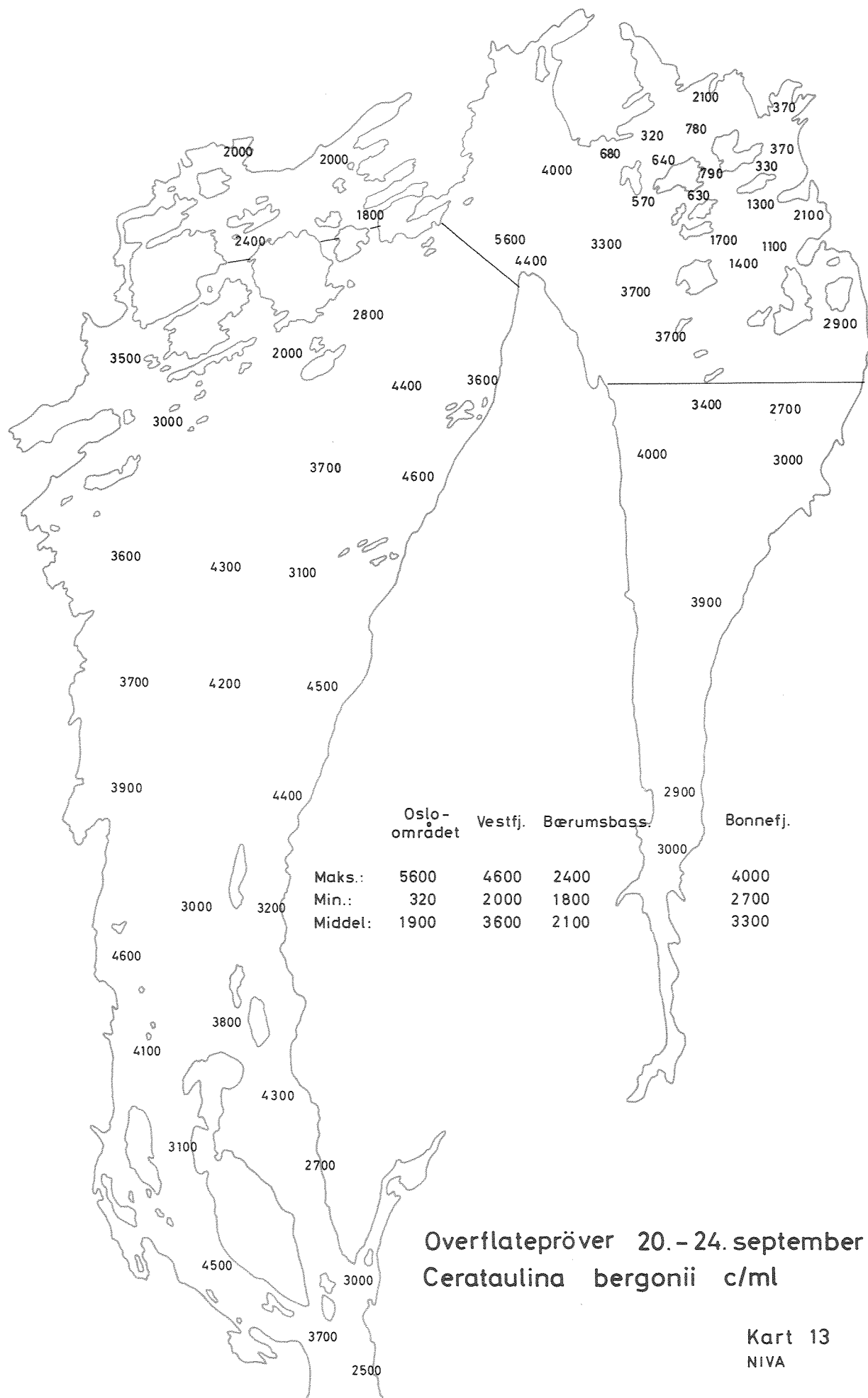
Kart 10



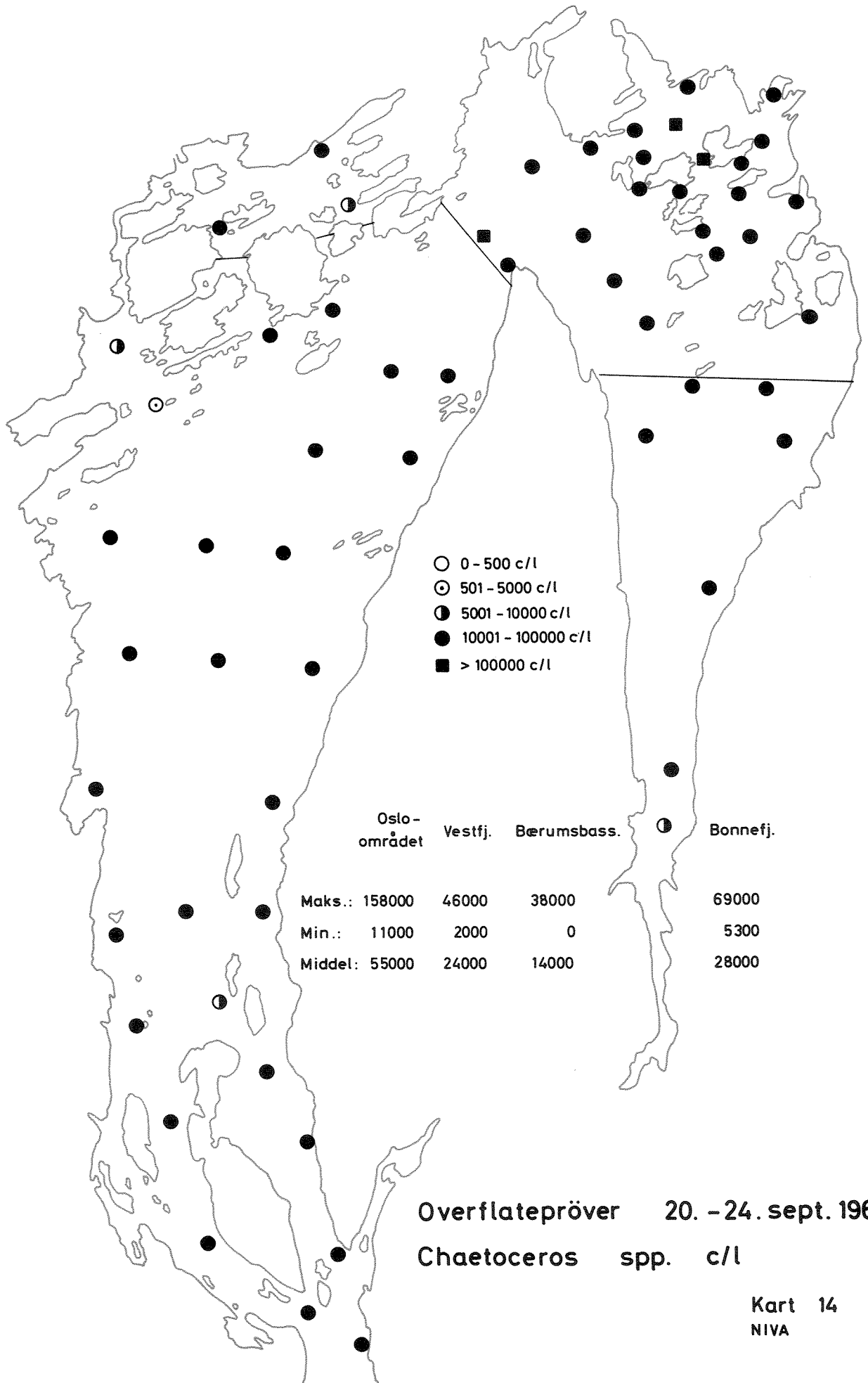
Kart 11



Kart 12



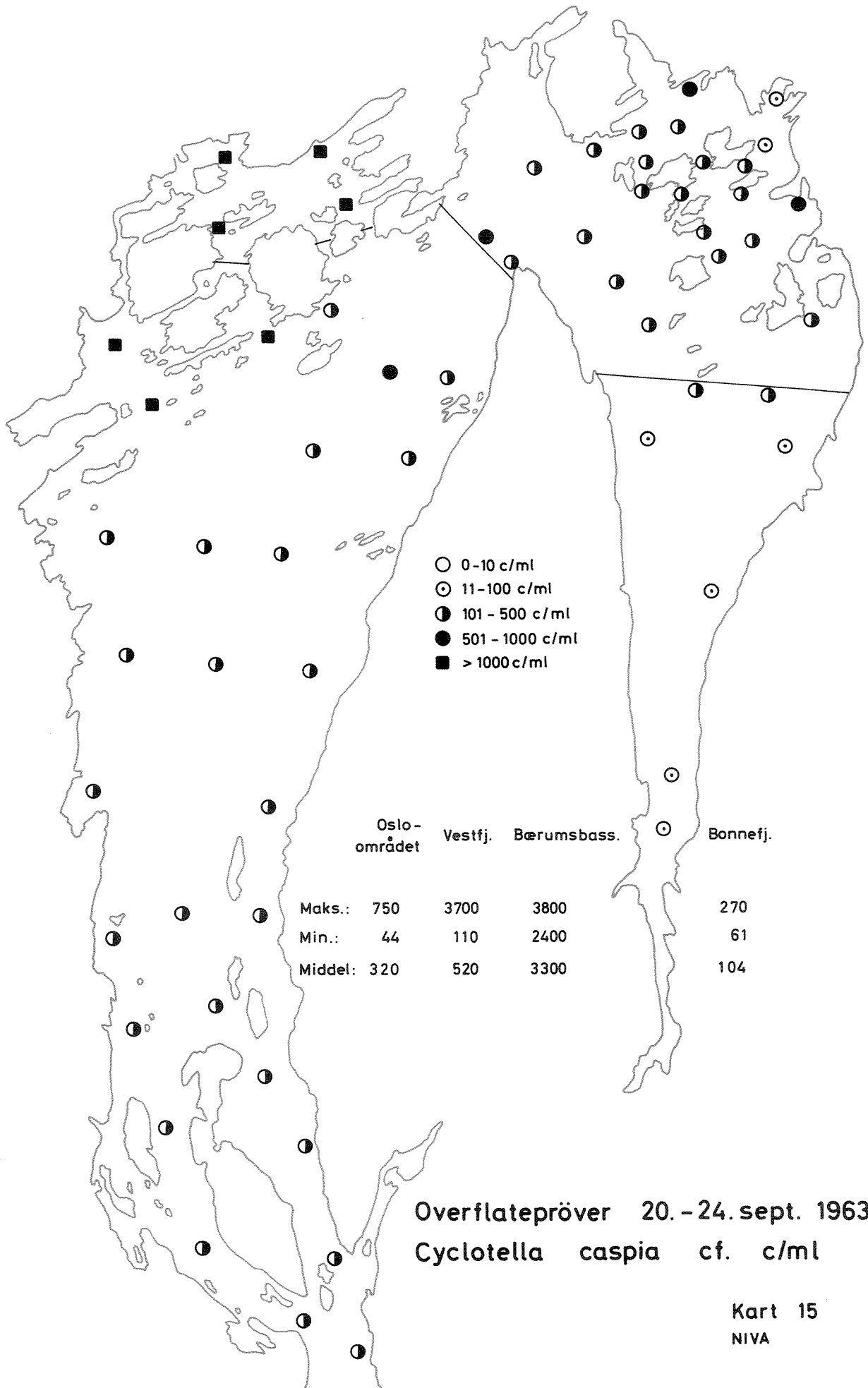
Overflateprøver 20.-24. september 1963
Cerataulina bergonii c/ml



Overflateprøver 20. - 24. sept. 1963

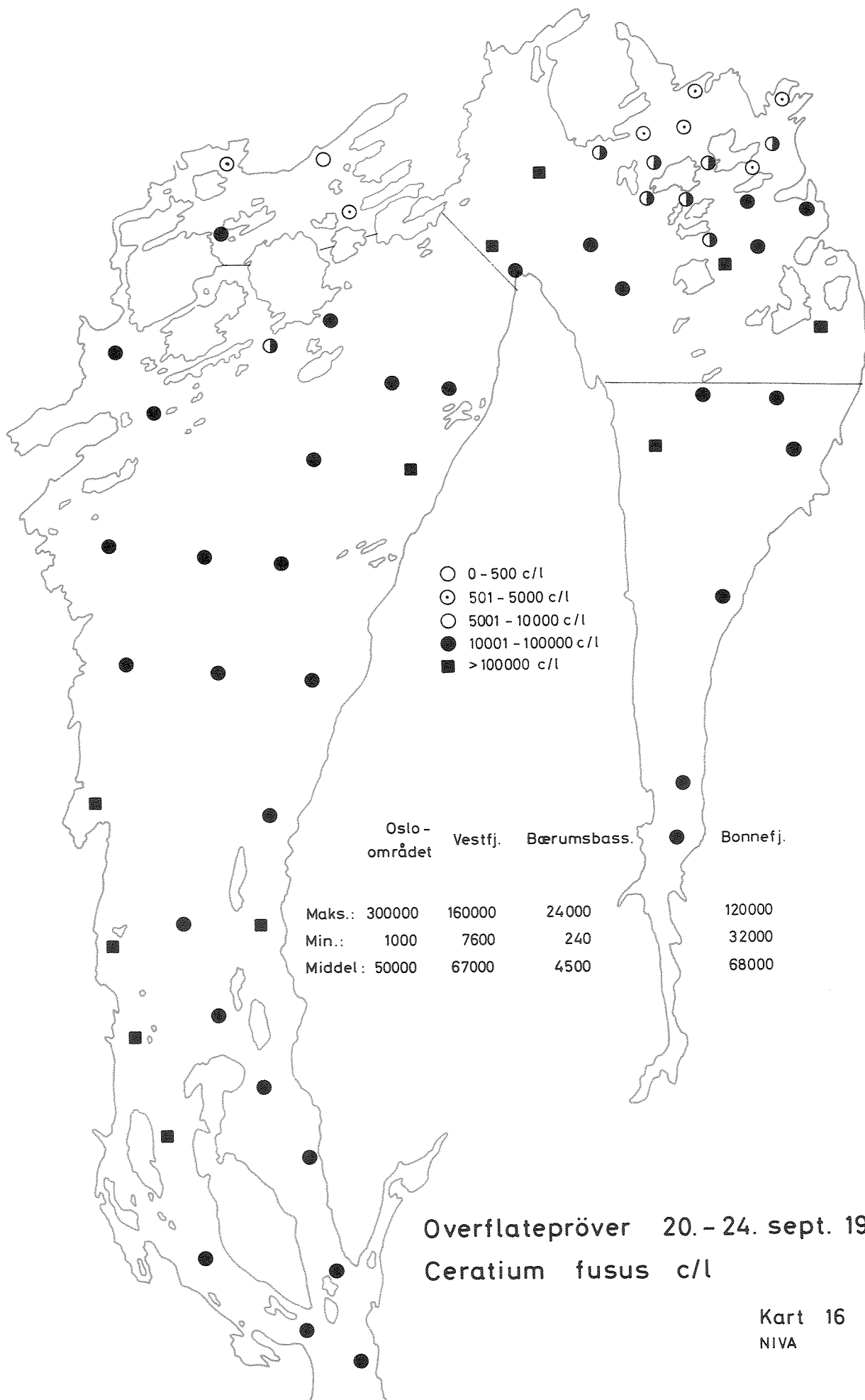
Chaetoceros spp. c/l

Kart 14
NIVA

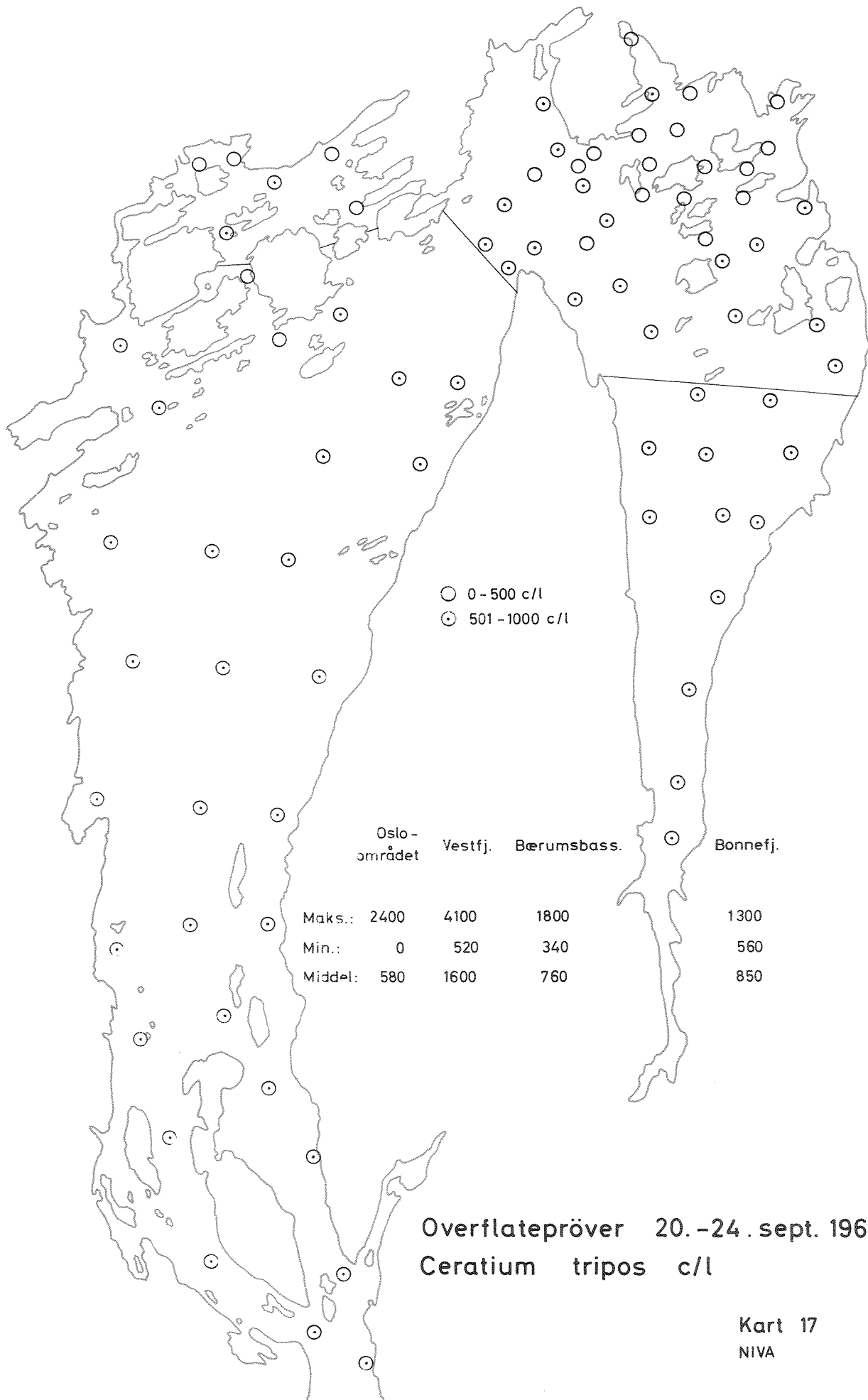


Overflateprøver 20.-24.sept. 1963
Cyclotella caspia cf. c/ml

Kart 15
 NIVA

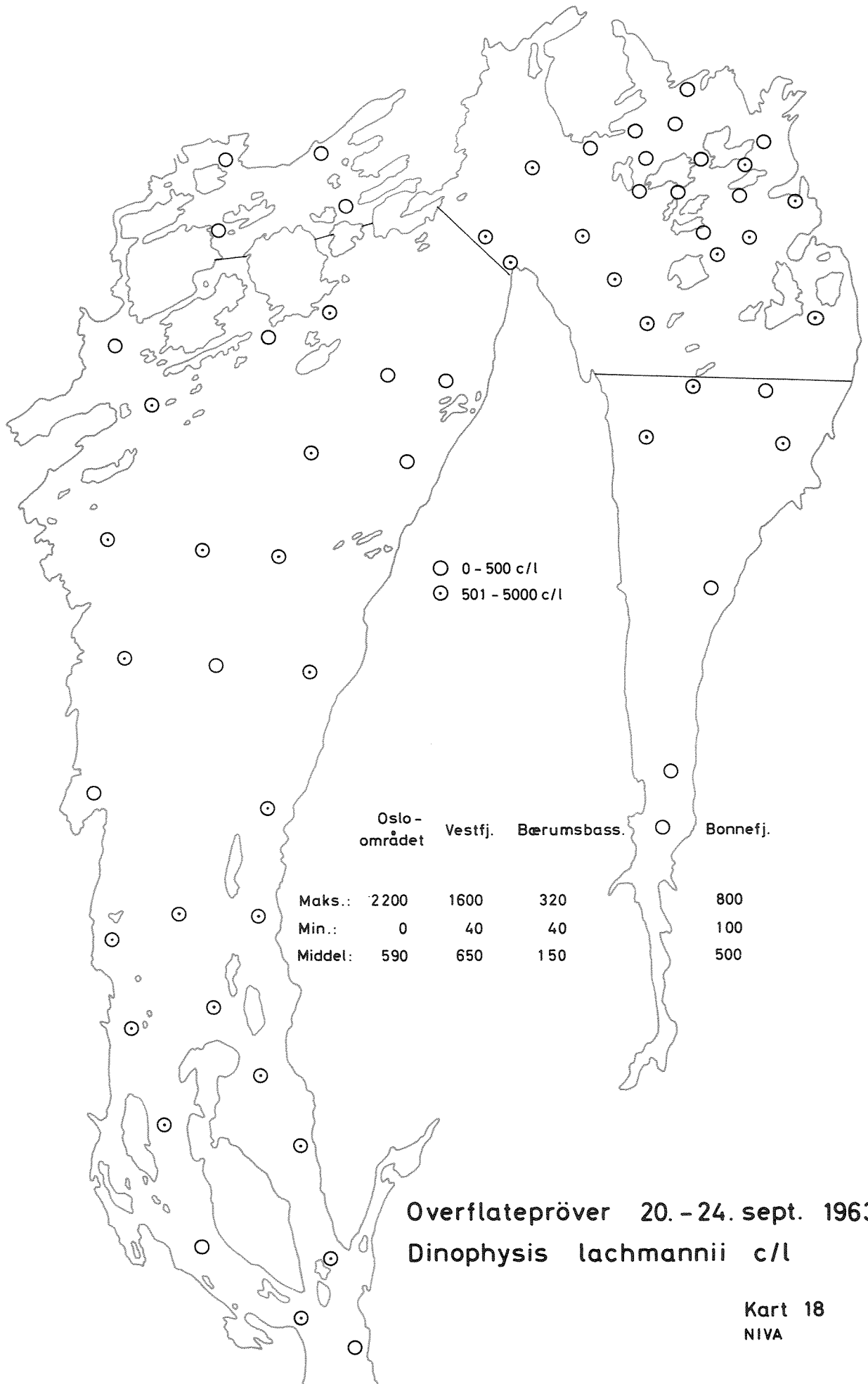


Overflateprøver 20. - 24. sept. 1963
Ceratium fusus c/l

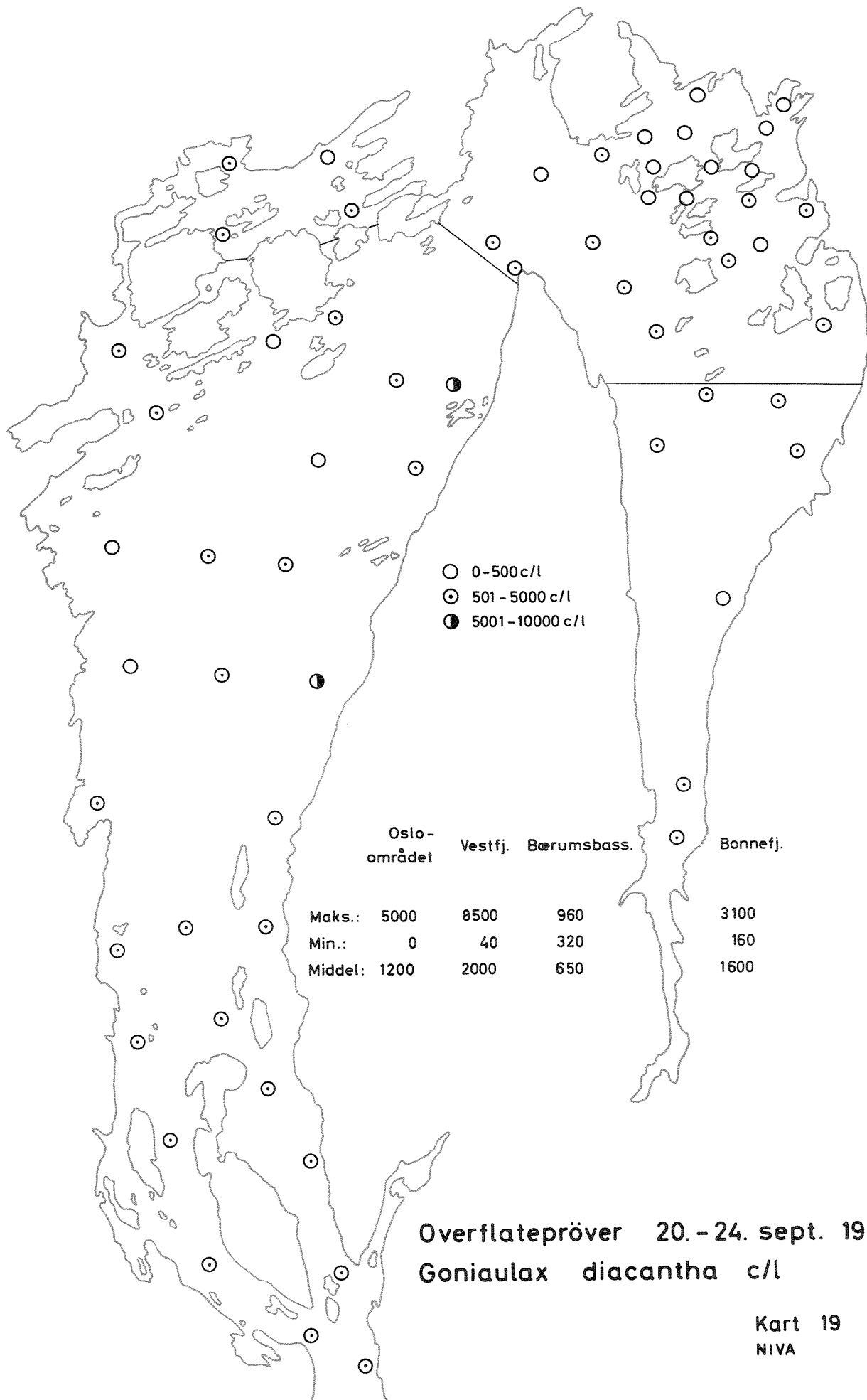


Overflateprøver 20. -24. sept. 1963
 Ceratium tripos c/l

Kart 17
 NIVA

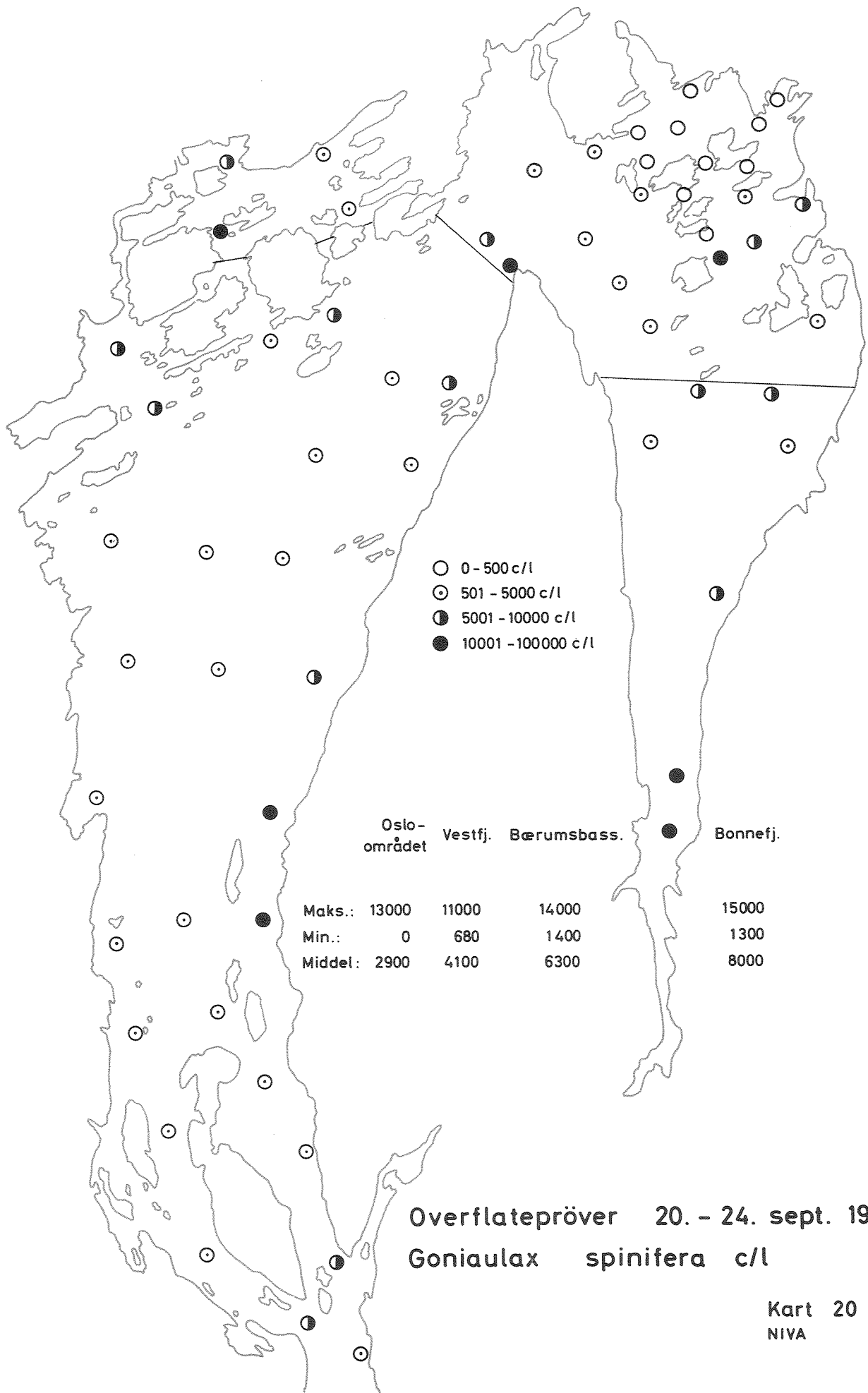


Overflateprøver 20. - 24. sept. 1963
 Dinophysis lachmannii c/l



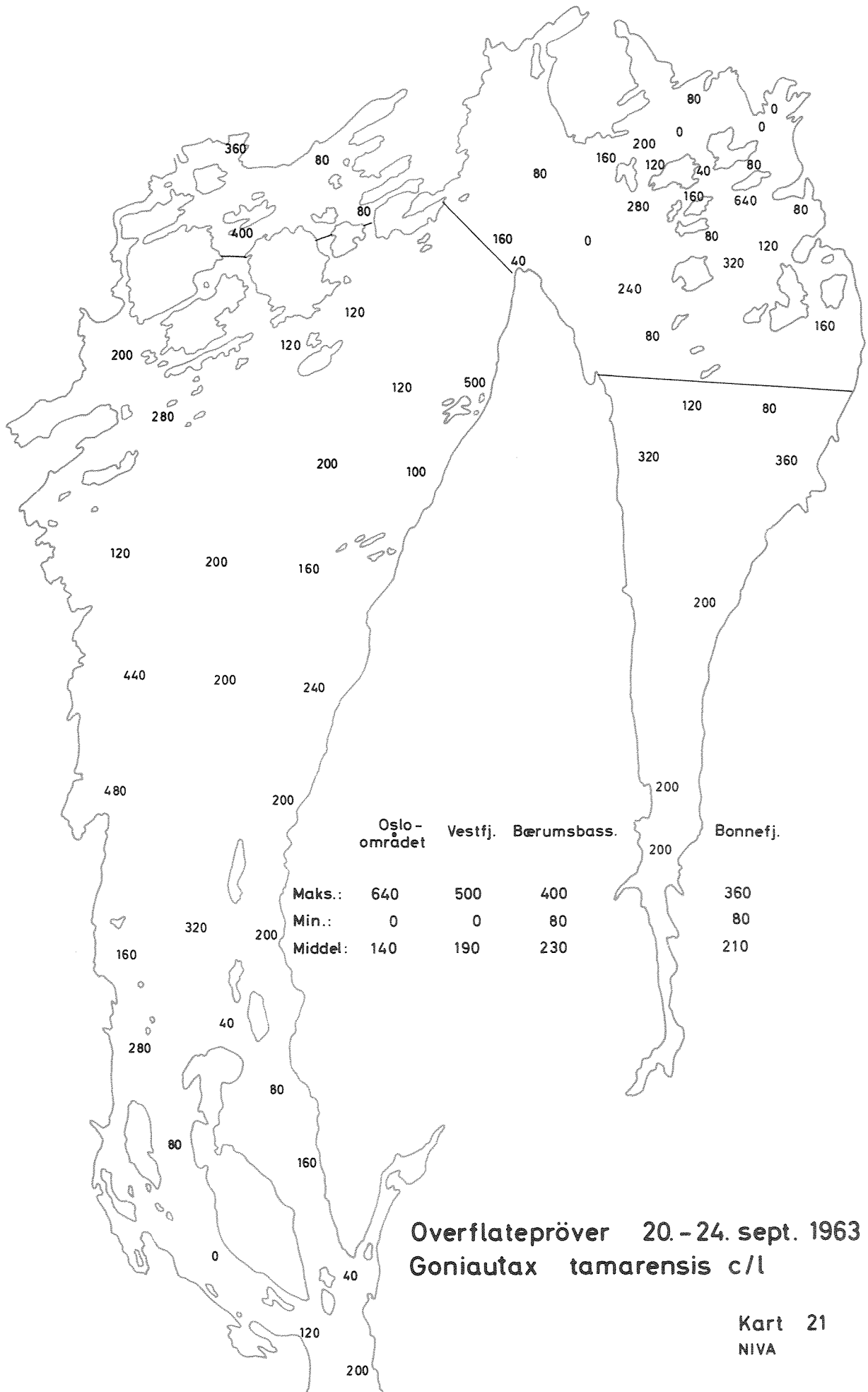
Overflateprøver 20.-24. sept. 1963
Gonialax diacantha c/l

Kart 19
 NIVA



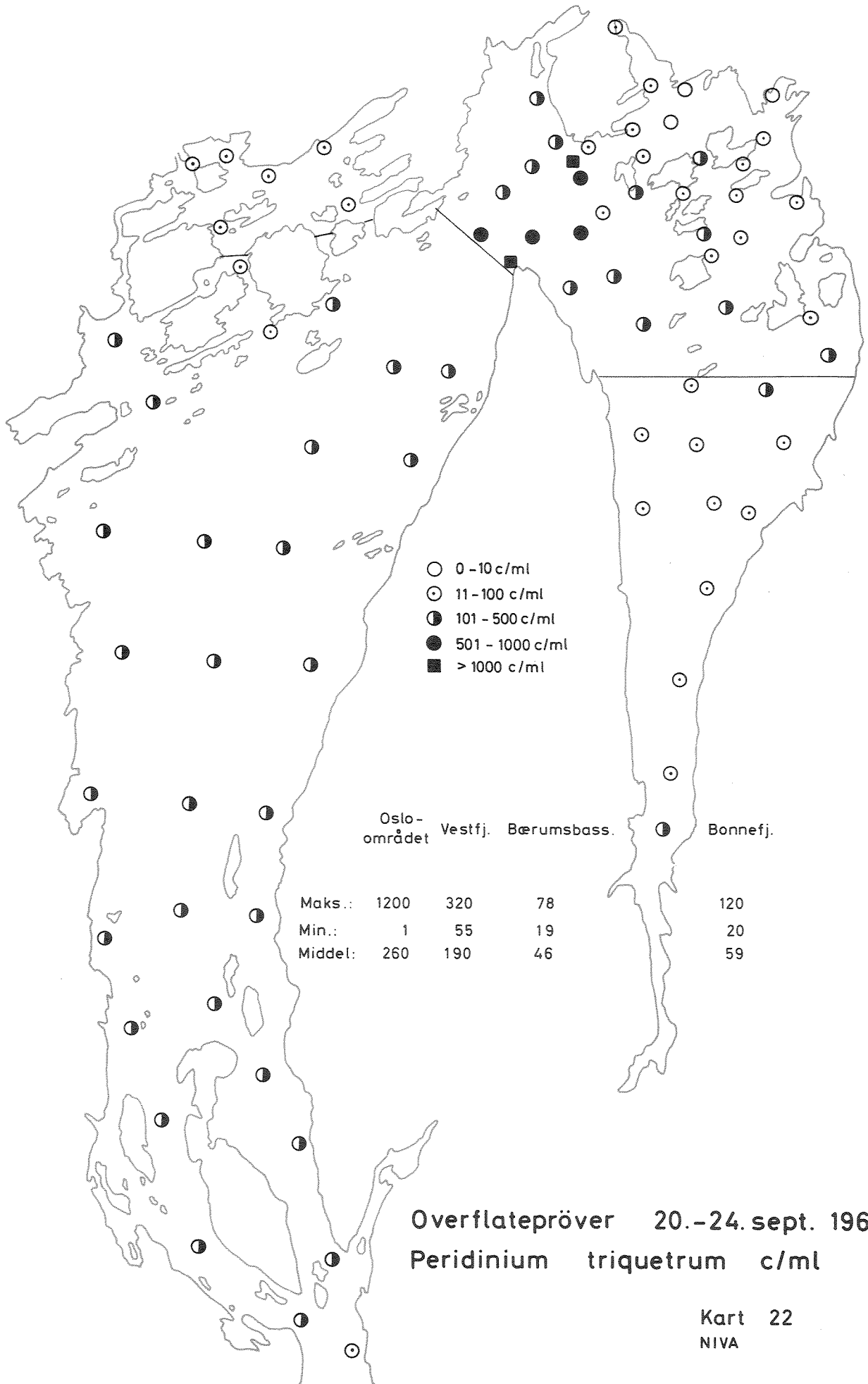
Overflateprøver 20. - 24. sept. 1963
Gonialax spinifera c/l

Kart 20
 NIVA



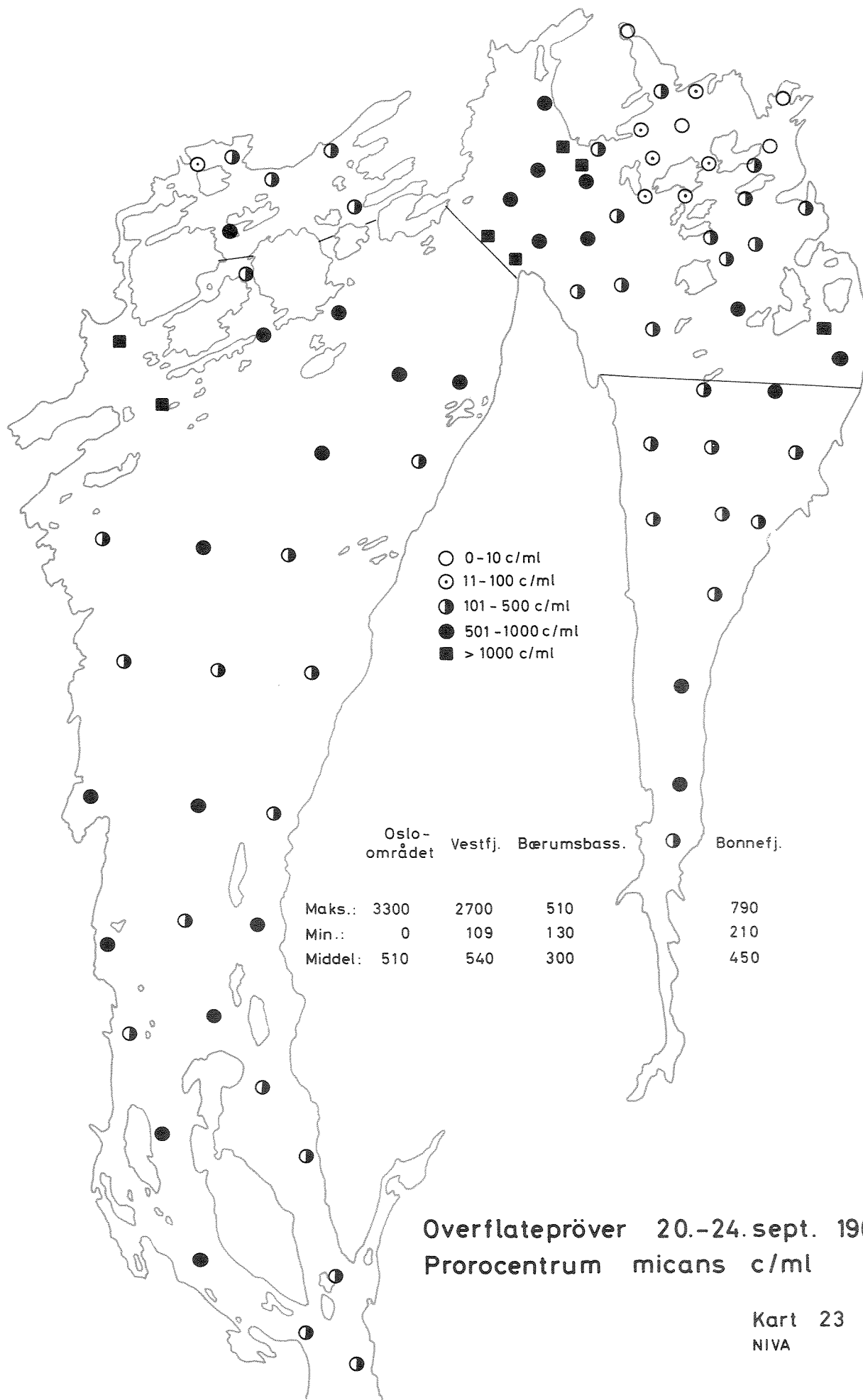
Overflateprøver 20.-24. sept. 1963
Goniautax tamarensis c/l

Kart 21
 NIVA



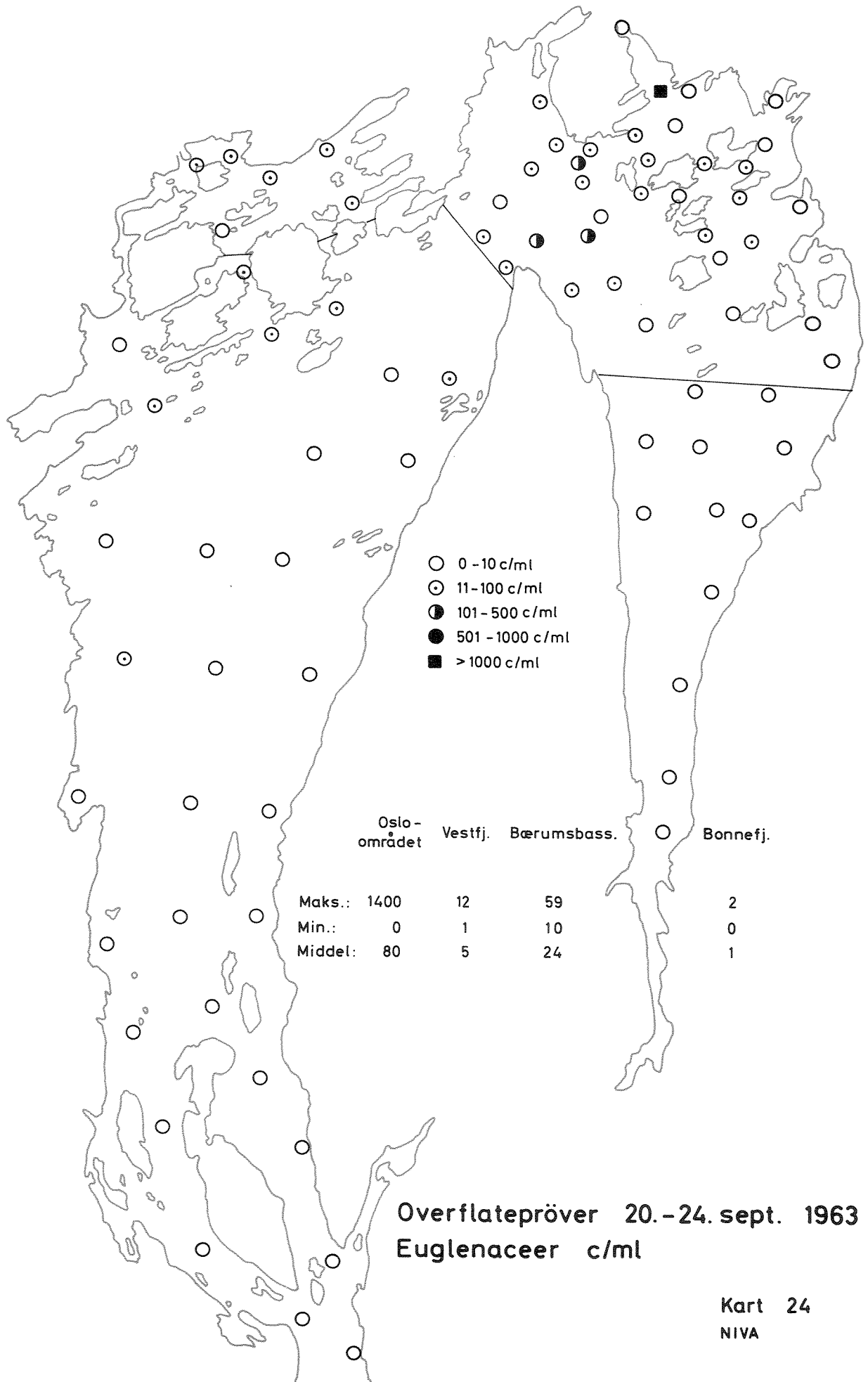
Overflateprøver 20.-24. sept. 1963
 Peridinium triquetrum c/ml

Kart 22
 NIVA



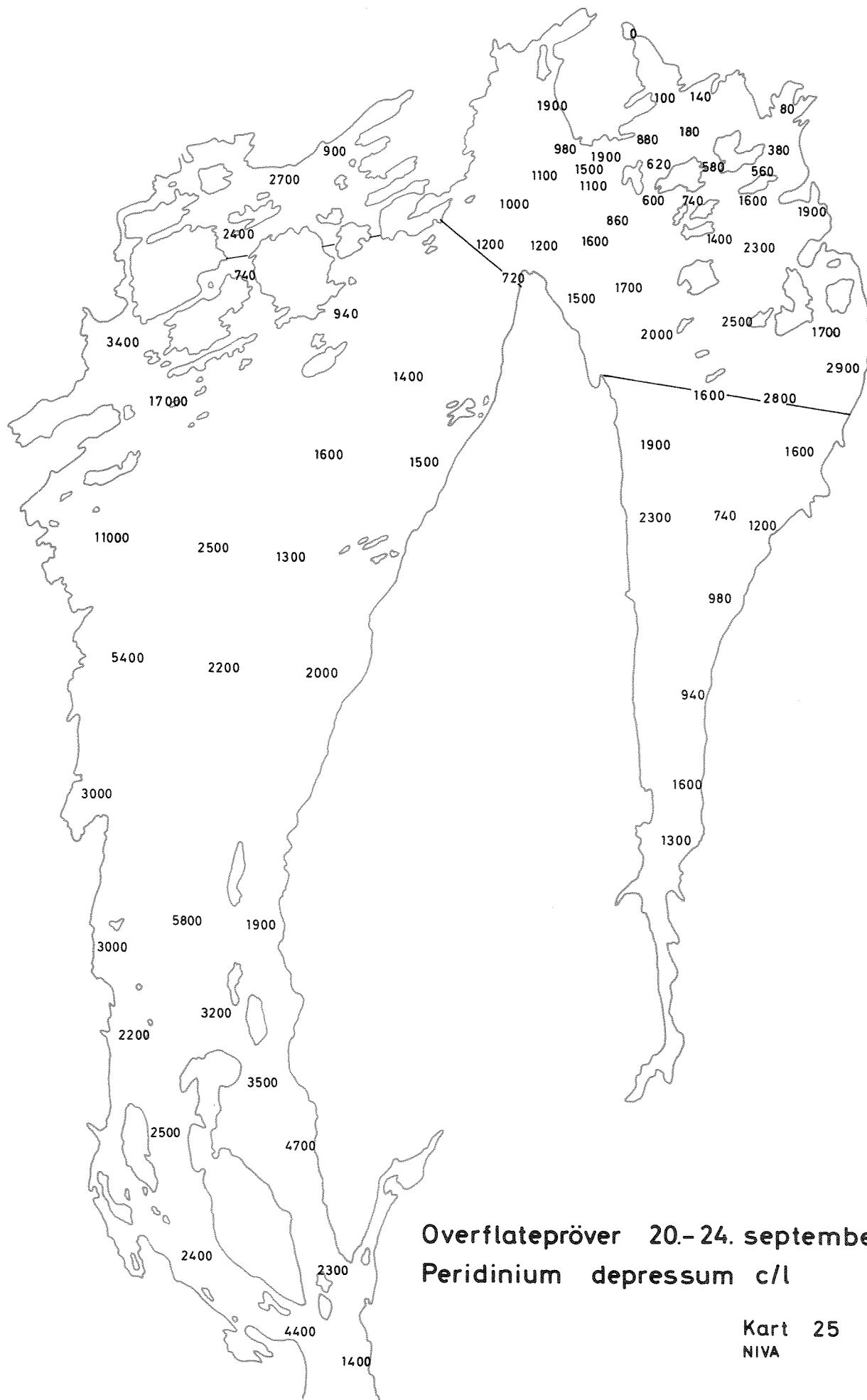
Overflateprøver 20.-24.sept. 1963
 Prorocentrum micans c/ml

Kart 23
 NIVA



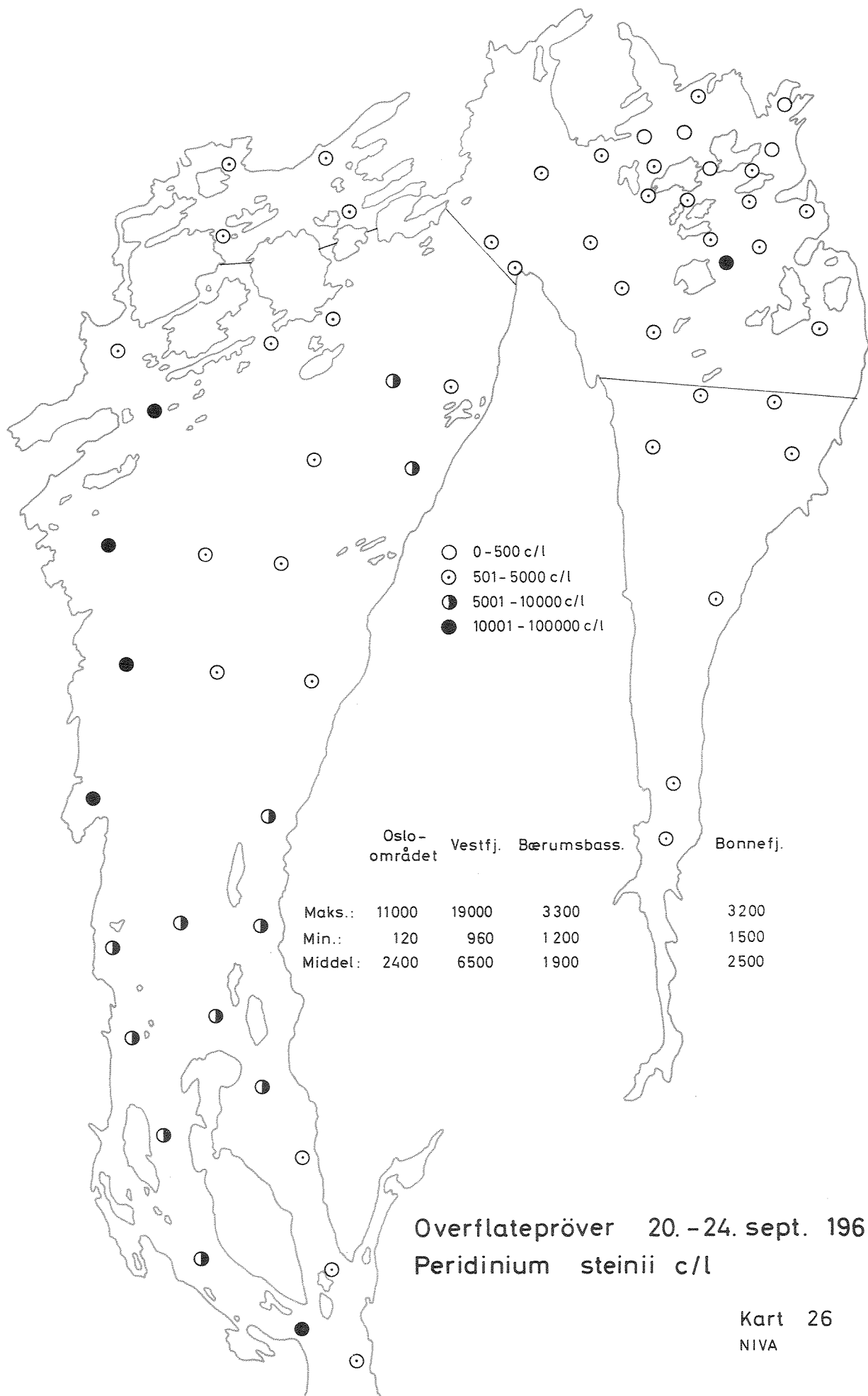
Overflateprøver 20.-24. sept. 1963
Euglenaceer c/ml

Kart 24
NIVA



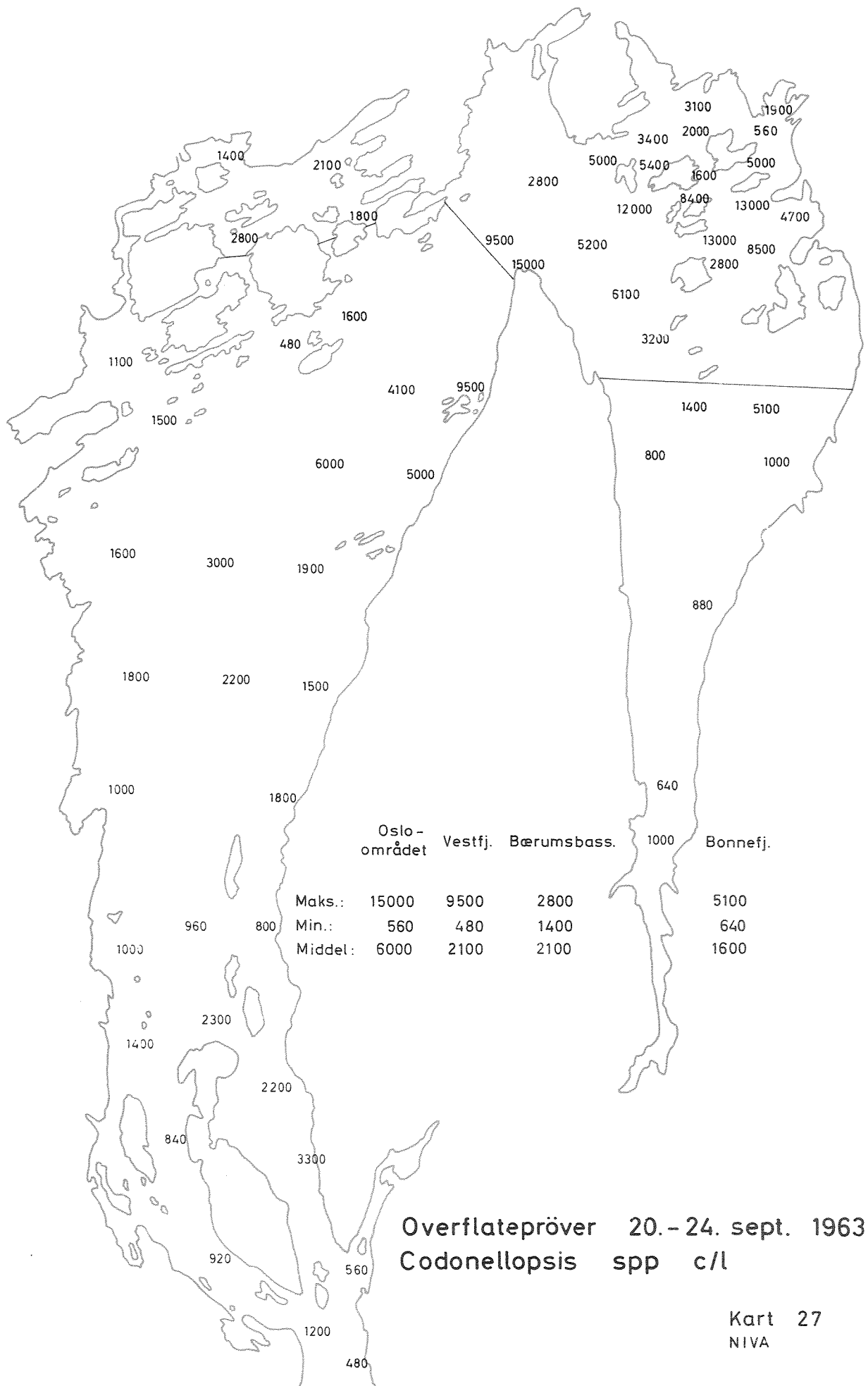
Overflateprøver 20.-24. september 1963
Peridinium depressum c/l

Kart 25
 NIVA



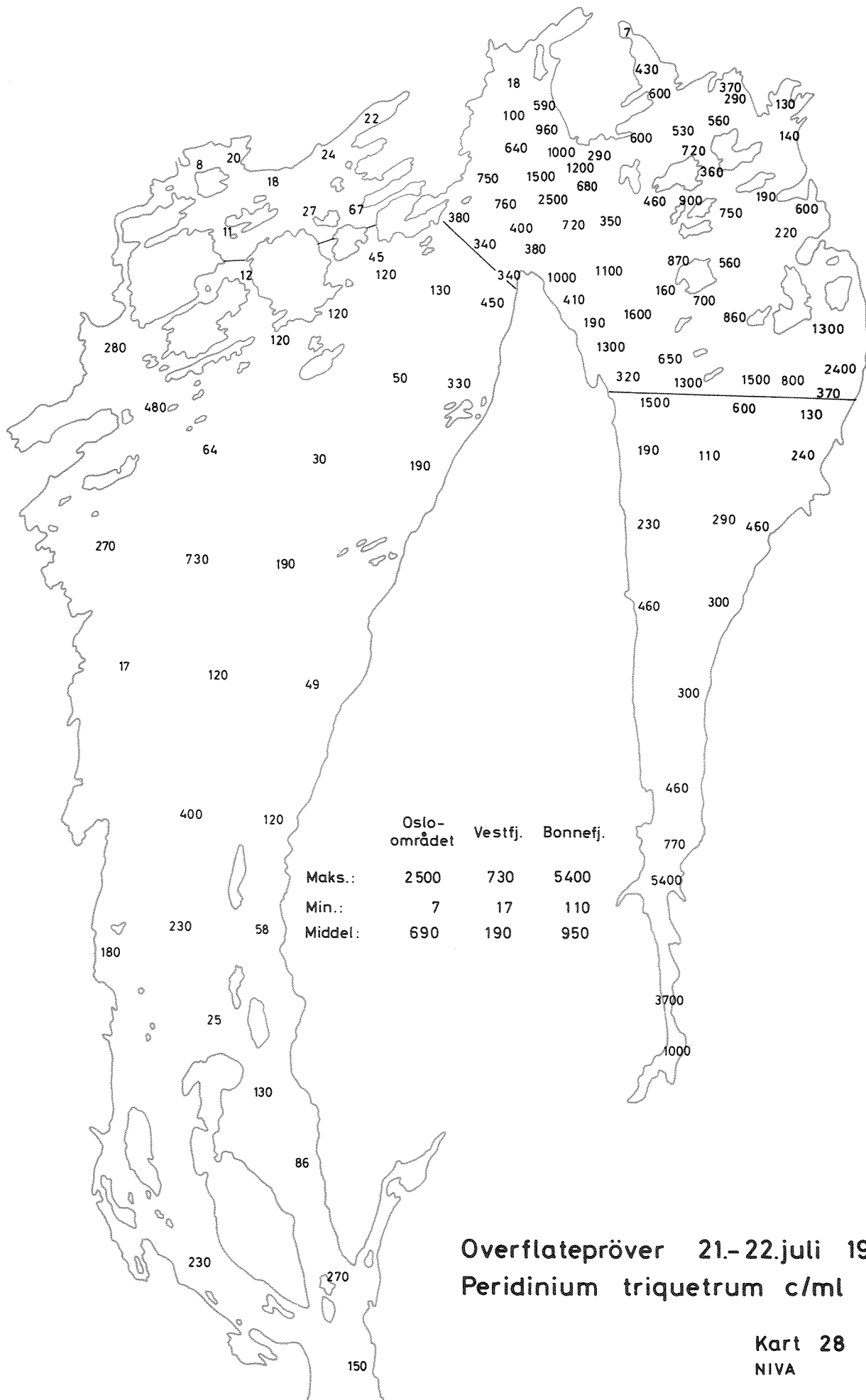
Overflateprøver 20. -24. sept. 1963
 Peridinium steinii c/l

Kart 26
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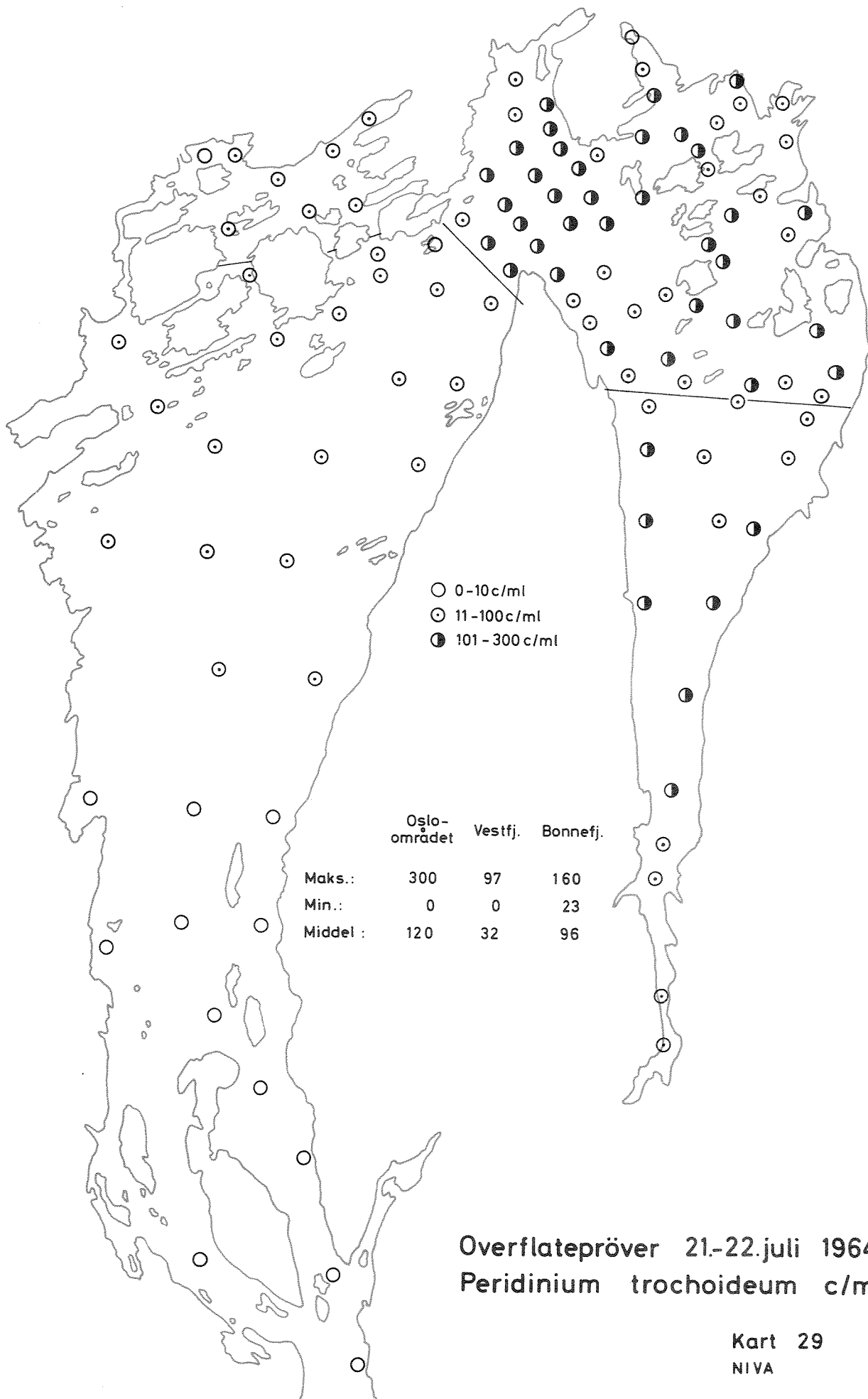


Overflateprøver 20.-24. sept. 1963
Codonellopsis spp c/l

Kart 27
 NIVA

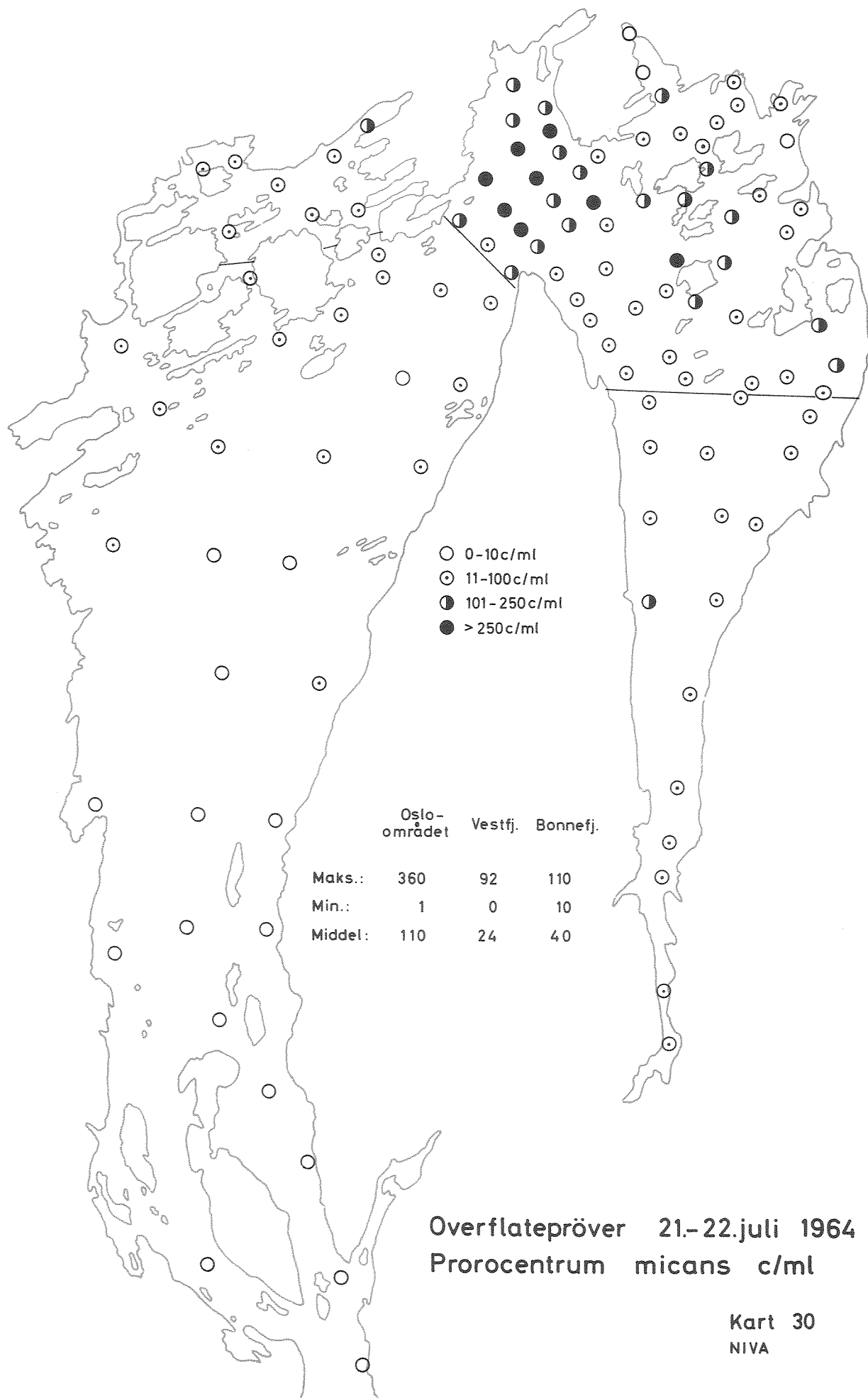


Overflateprøver 21.-22.juli 1964
 Peridinium triquetrum c/ml



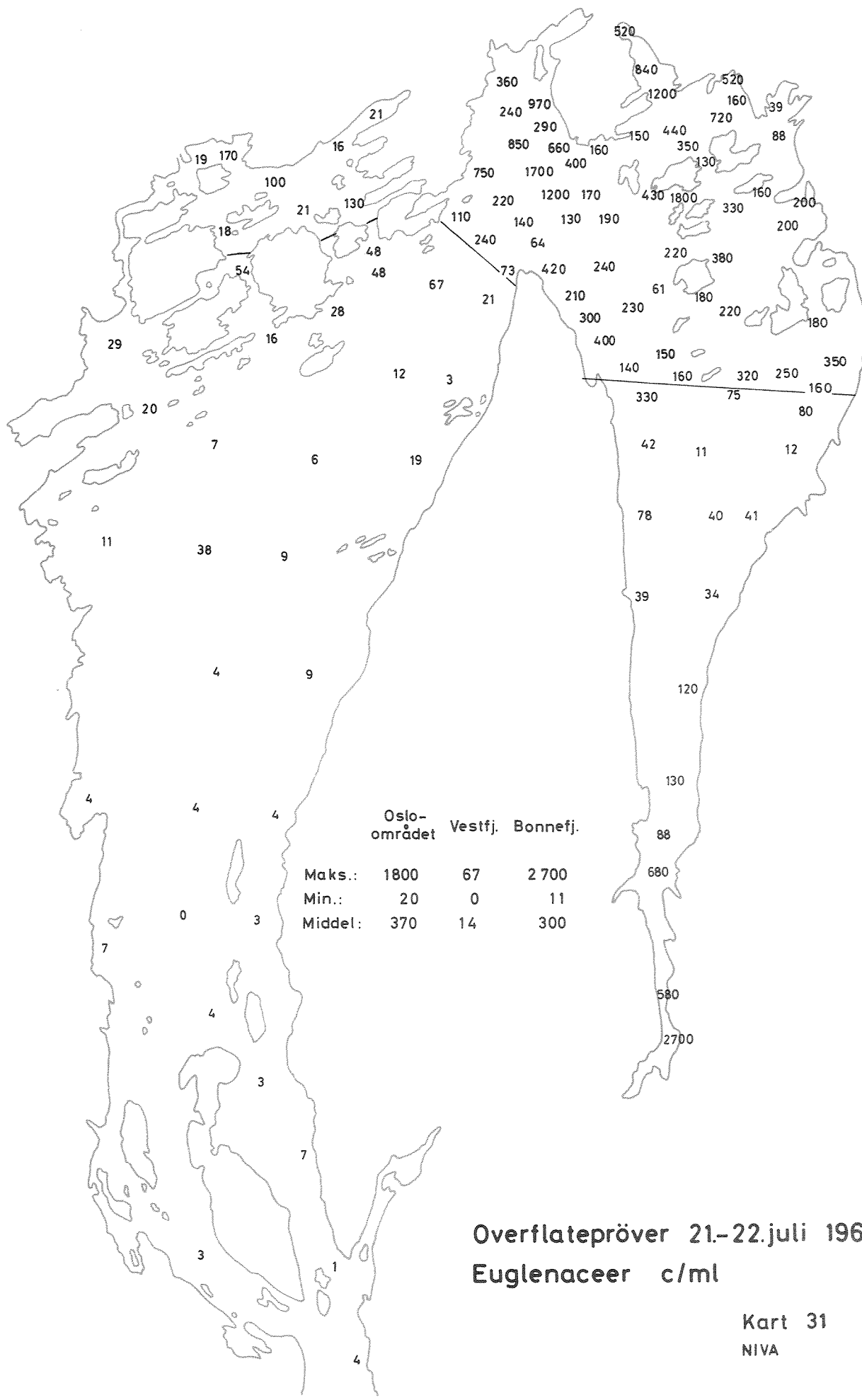
Overflateprøver 21.-22.juli 1964
 Peridinium trochoideum c/ml

Kart 29
 NIVA



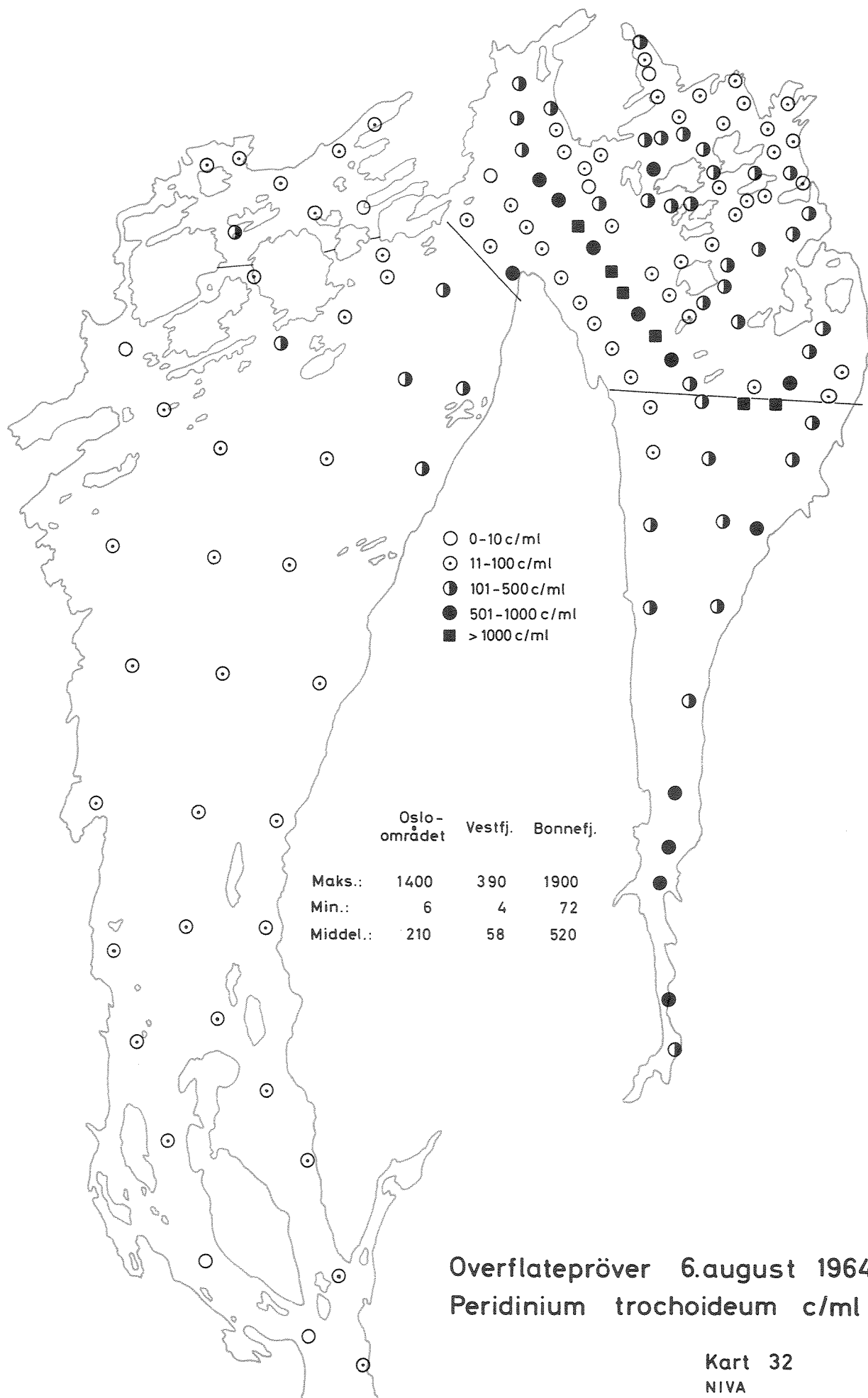
Overflateprøver 21.-22.juli 1964
 Prorocentrum micans c/ml

Kart 30
 NIVA

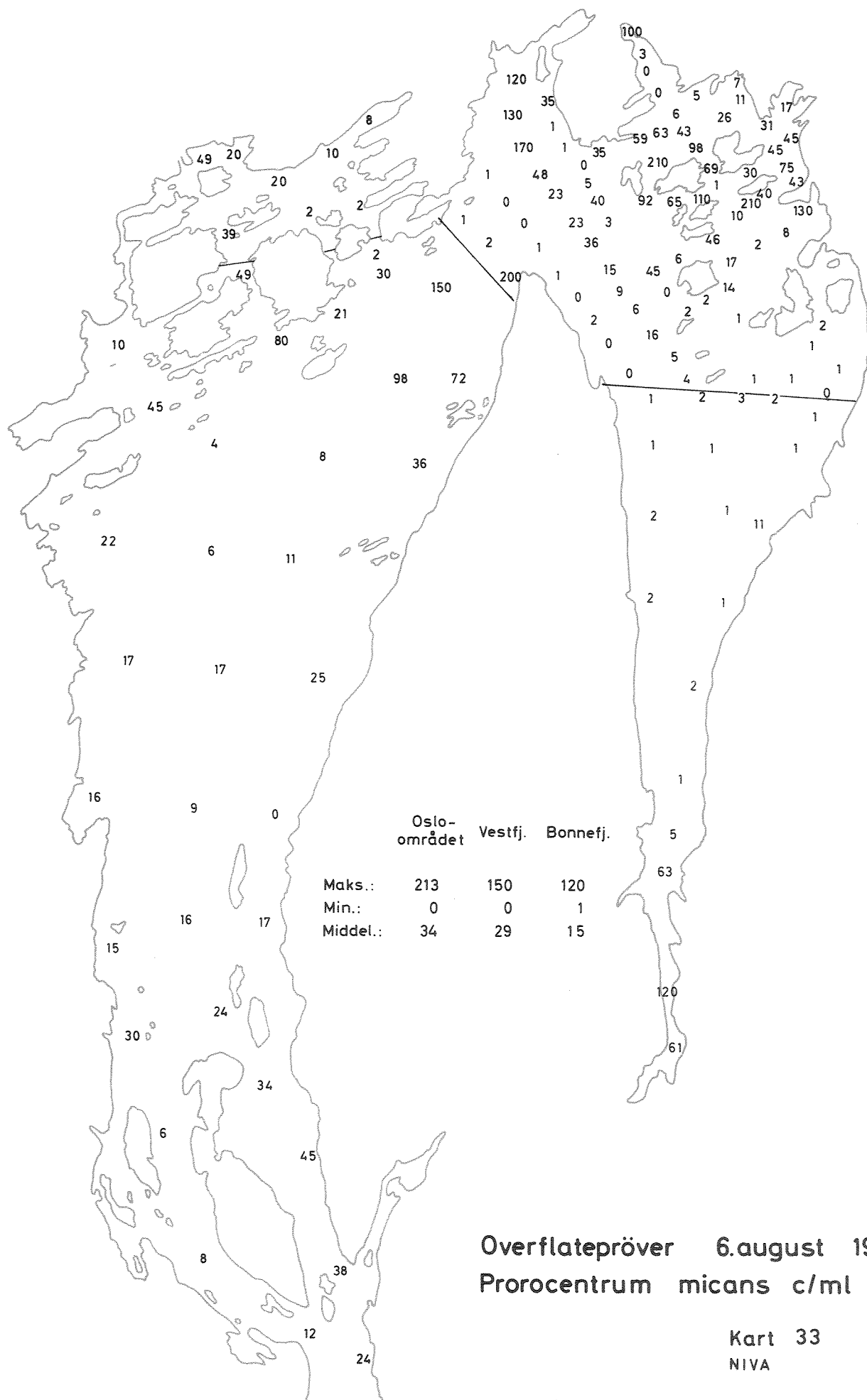


Overflateprøver 21.-22.juli 1964
Euglenaceer c/ml

Kart 31
NIVA

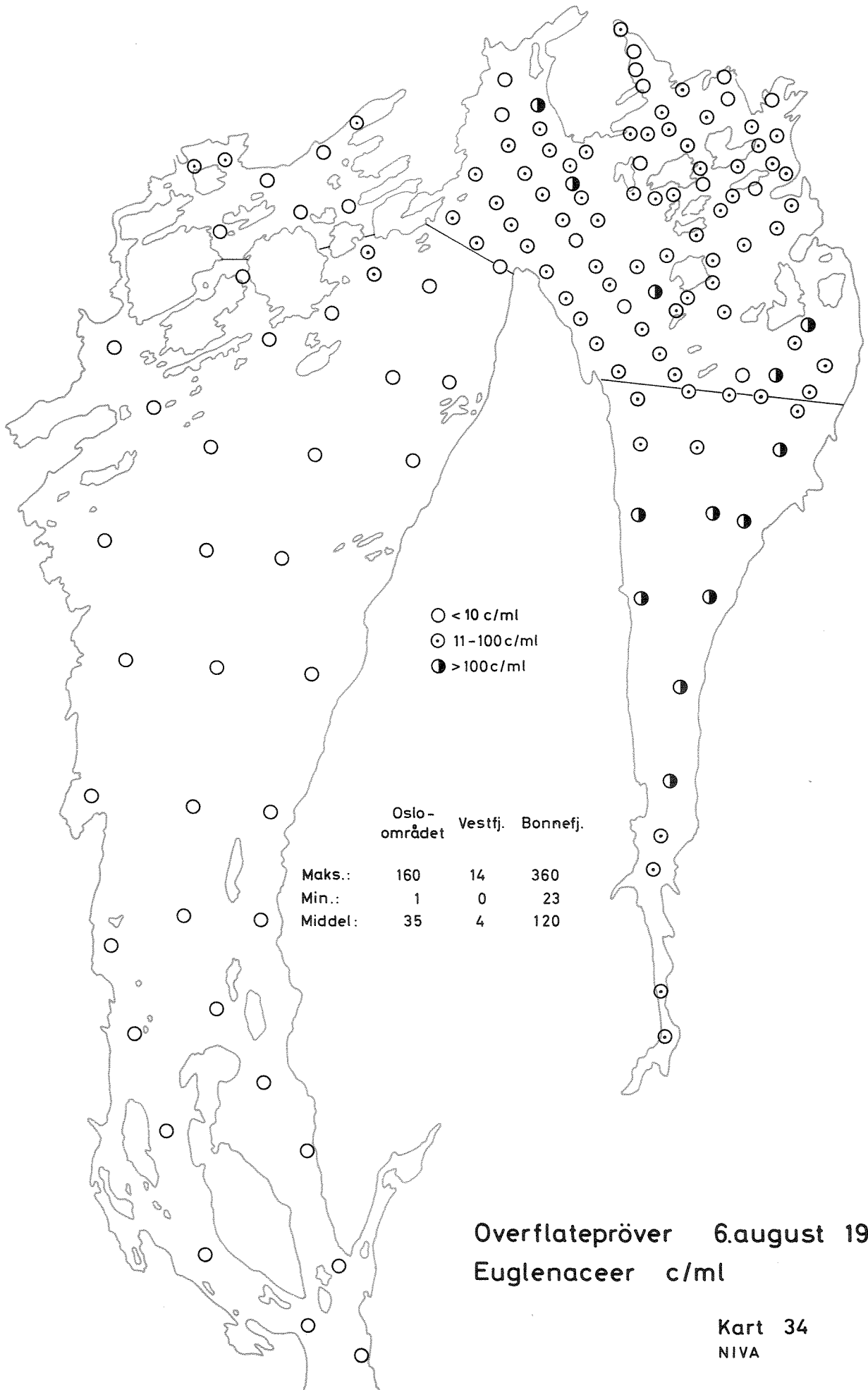


Overflateprøver 6.august 1964
Peridinium trochoideum c/ml

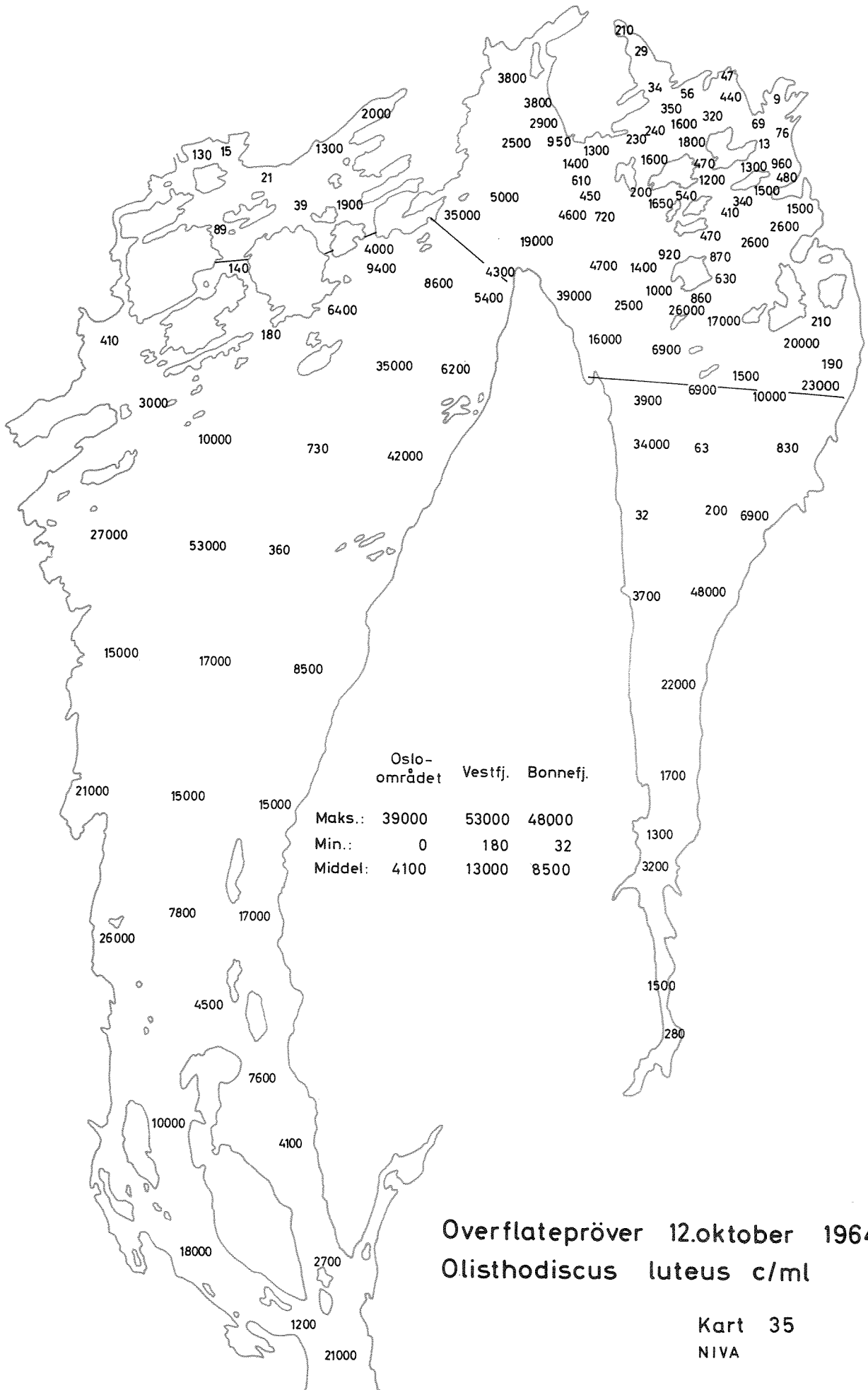


Overflateprøver 6.august 1964
 Prorocentrum micans c/ml

Kart 33
 NIVA

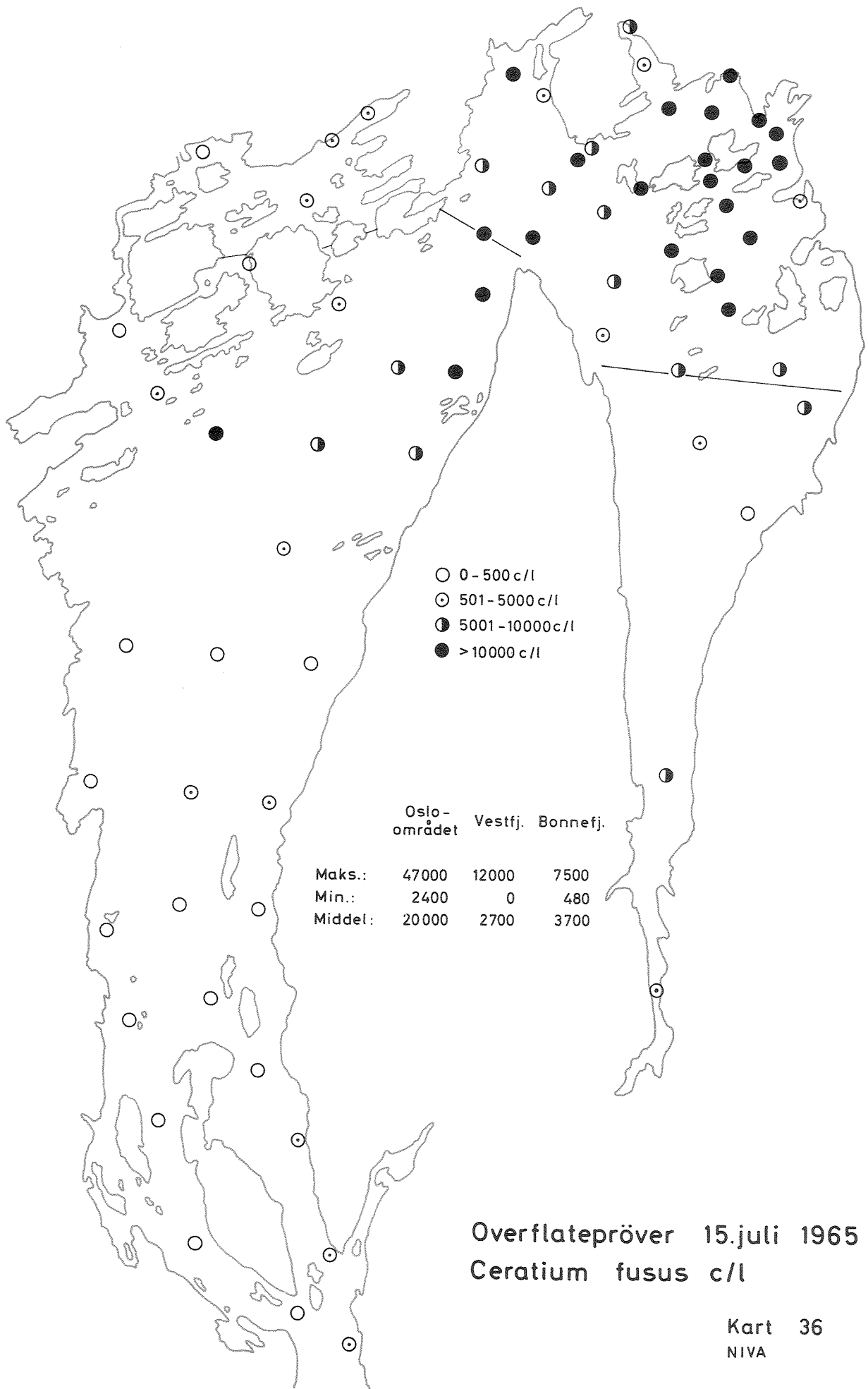


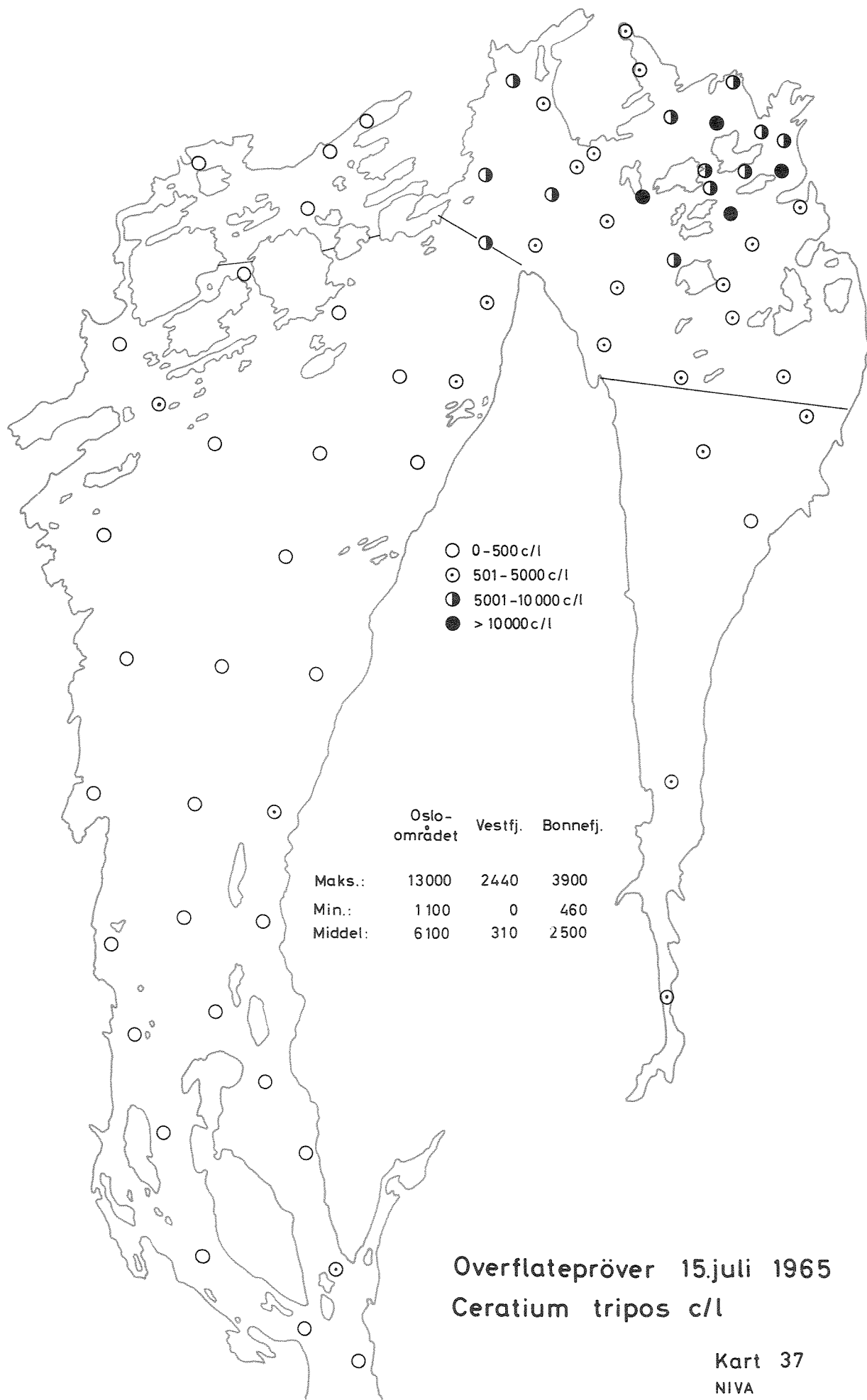
Overflateprøver 6.august 1964
Euglenaceer c/ml

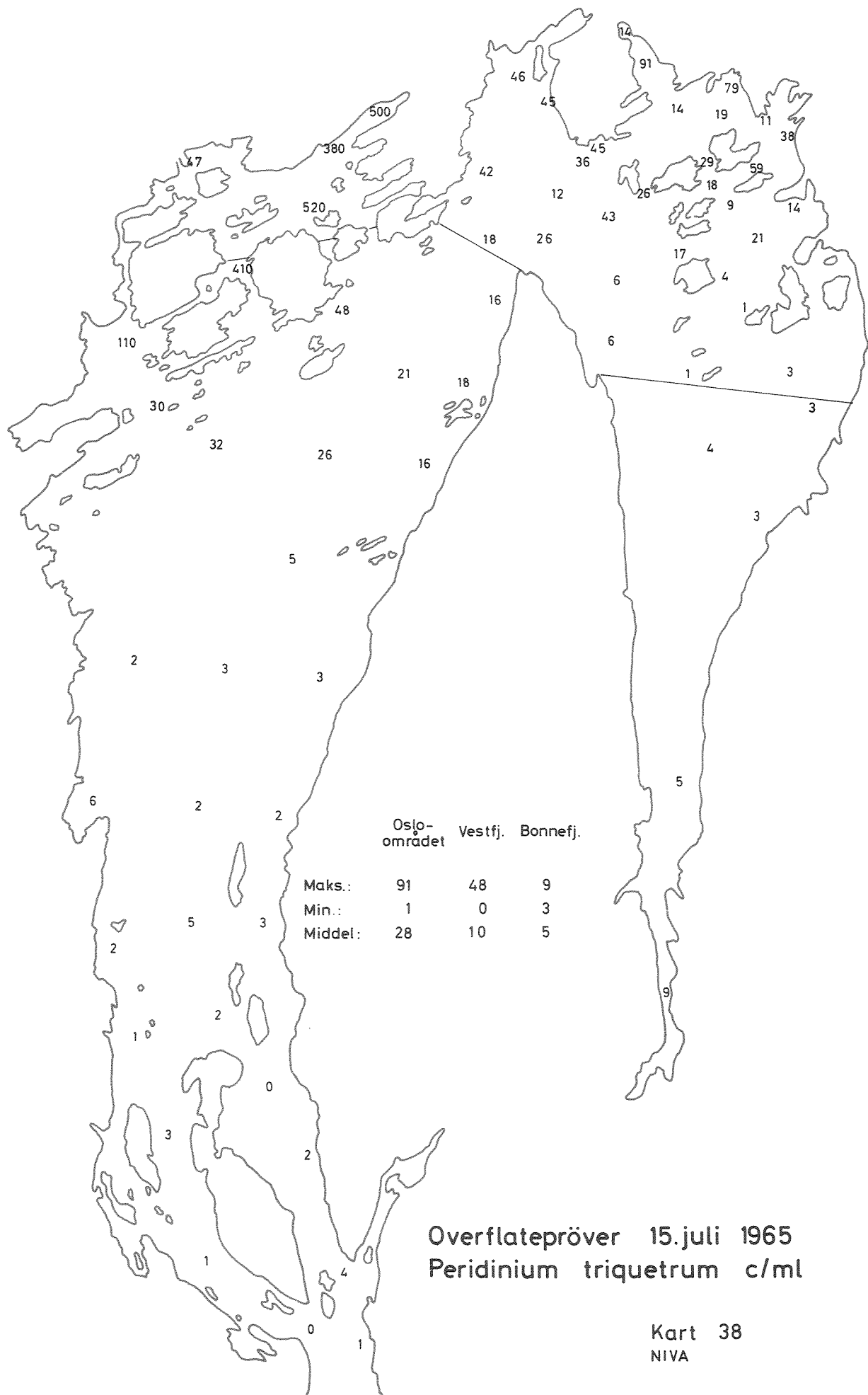


Overflateprøver 12.oktober 1964
Olisthodiscus luteus c/ml

Kart 35
 NIVA

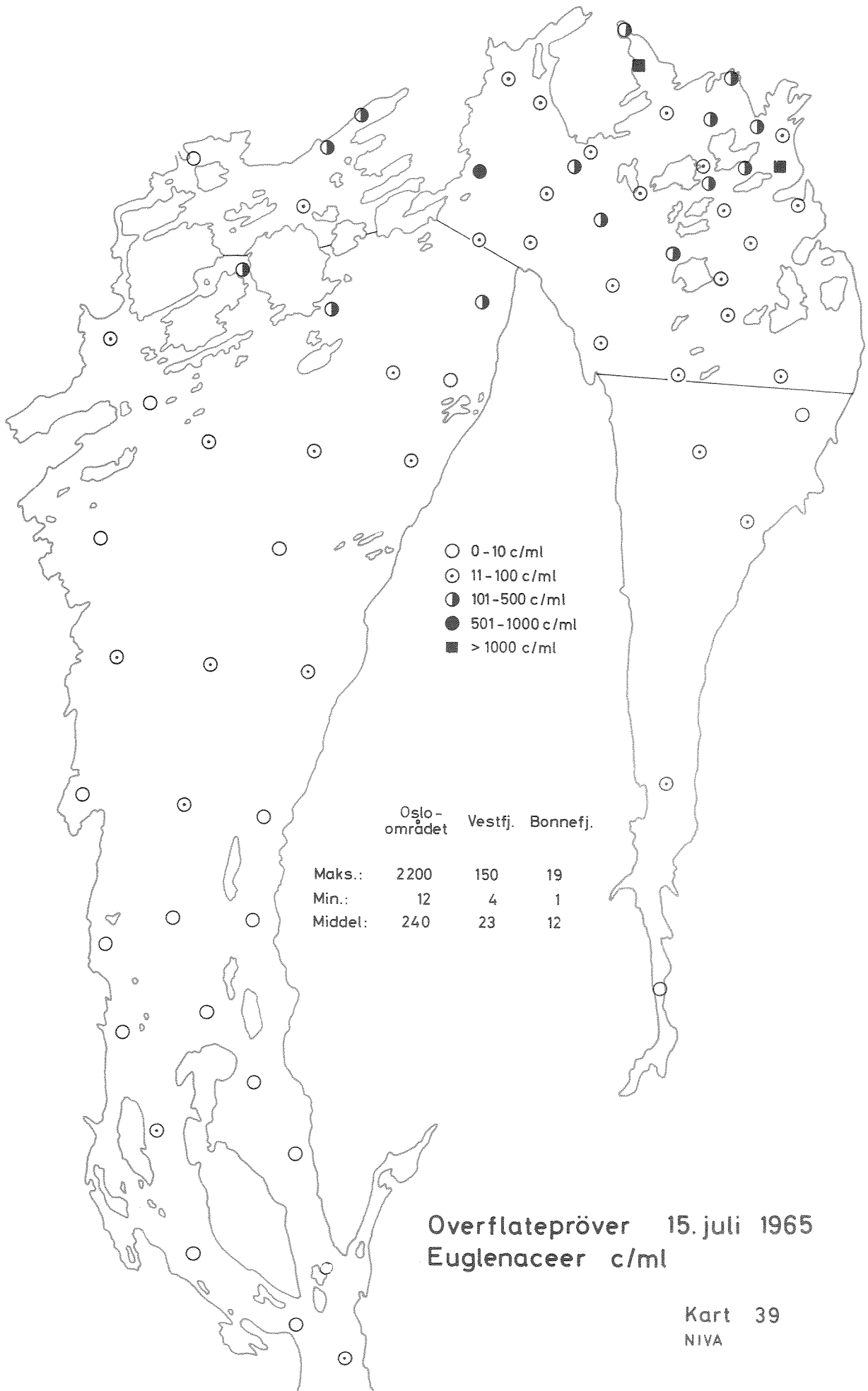






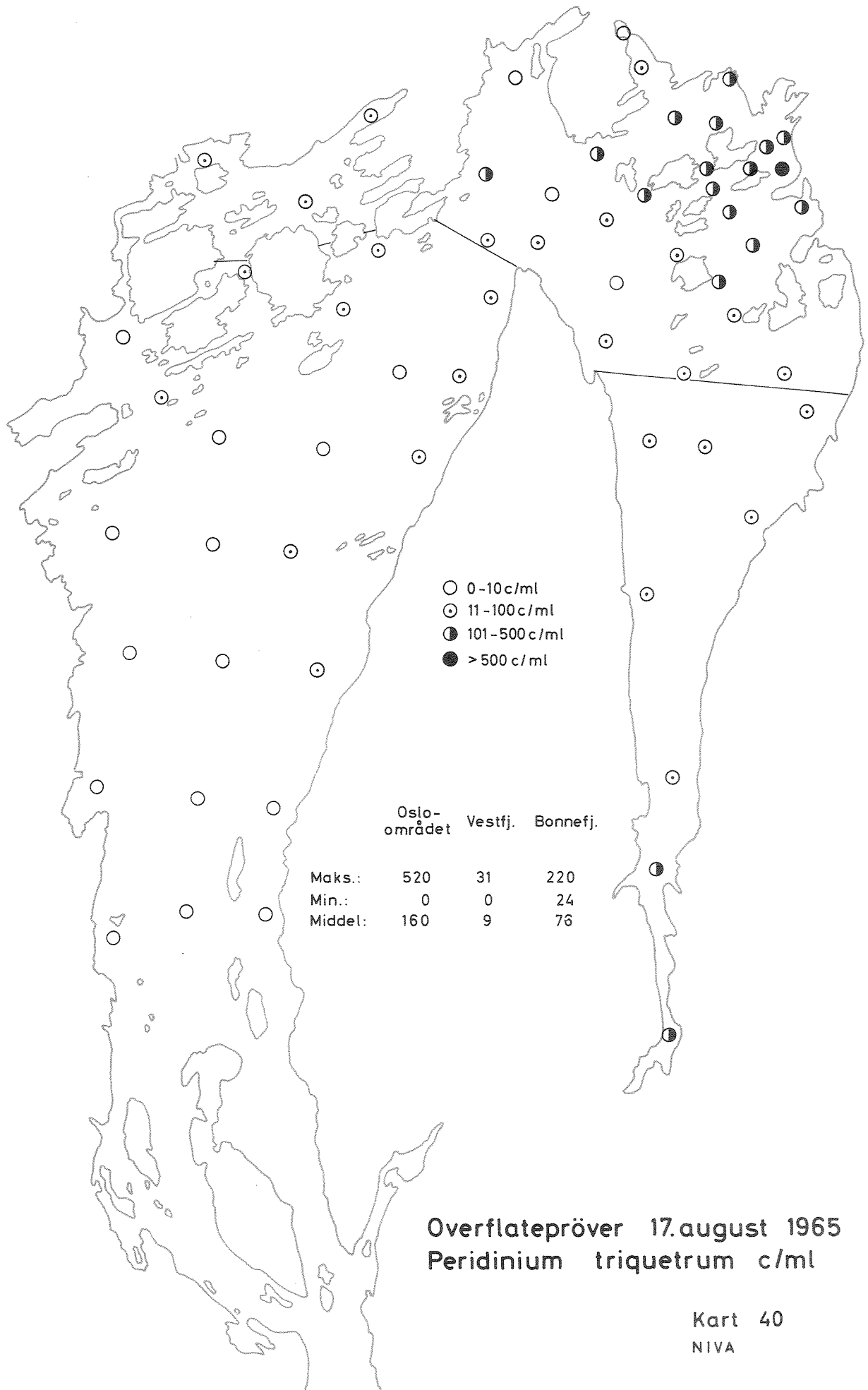
Overflateprøver 15.juli 1965
Peridinium triquetrum c/ml

Kart 38
 NIVA



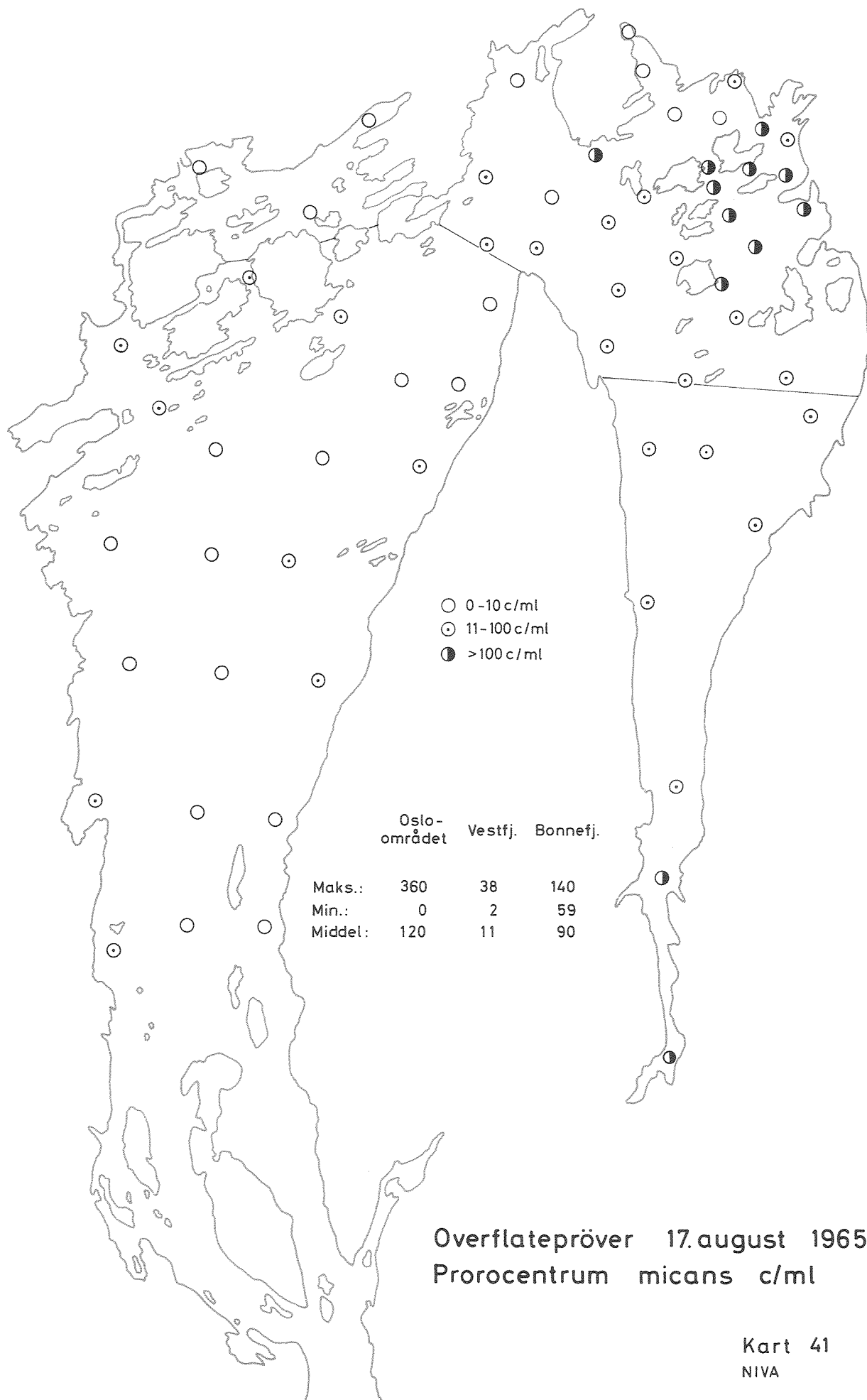
Overflateprøver 15. juli 1965
Euglenaceer c/ml

Kart 39
NIVA



Overflateprøver 17. august 1965
 Peridinium triquetrum c/ml

Kart 40
 NIVA



Overflateprøver 17.august 1965
 Prorocentrum micans c/ml

