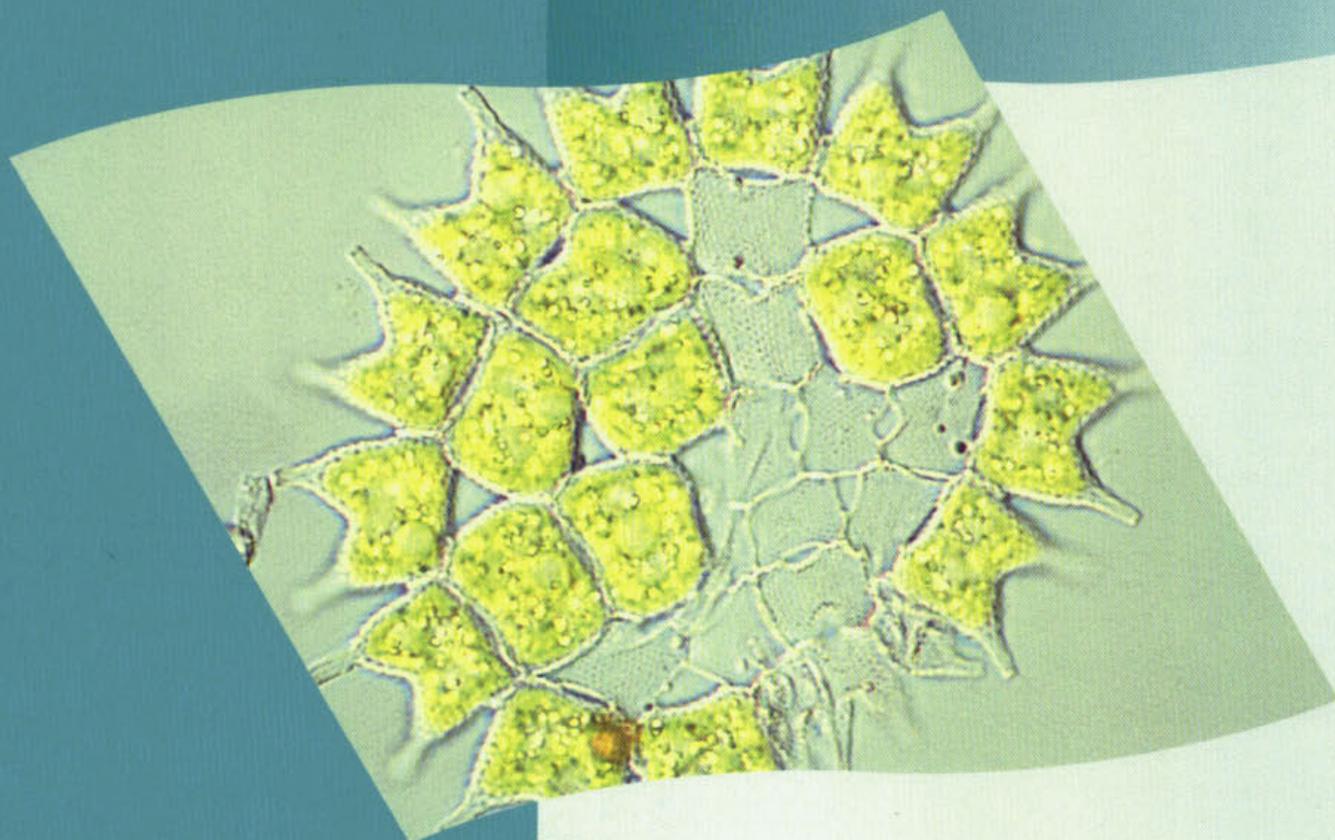


## Eco-atlas van waterorganismen

*Deel II: fytoplankton en macrofyten*



97

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**Eco-atlas van waterorganismen**

*Deel II: fytoplankton en macrofyten*

redactie:

**R.A.E. Knoben**

**E.T.H.M. Peeters**

Arthur van Schendelstraat 816

Postbus 8090, 3503 RB Utrecht

Telefoon 030 232 11 99

Fax 030 232 17 66

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## TEN GELEIDE

In het kader van het inmiddels afgeronde STOWA-project 'Ecologische beoordeling en beheer van oppervlaktewater' is een omvangrijke databank opgezet, waarin biotische en abiotische gegevens van meer dan 2500 Nederlandse oppervlaktewateren zijn opgeslagen. Deze gegevens, die zijn aangeleverd door de regionale waterbeheerders, zijn landdekkend, geografisch gelabeld en betreffen vijf verschillende watertypen, namelijk de stromende wateren, meren & plassen, sloten, kanalen en zand- grind- en kleigaten. Het is dus in principe mogelijk de verspreiding van waterorganismen uit de databank geografisch te presenteren. Van veel lokaties zijn zowel de biotische als de abiotische variabelen bekend, zodat tevens statistische verbanden tussen die variabelen bepaald kunnen worden (dosis-respons relaties). Een daartoe opgezet onderzoek heeft geleid tot het opstellen van een eco-atlas met de verspreiding van Nederlandse waterorganismen en hun respons op milieufactoren in de vorm van responsiediagrammen. Vanwege de omvang van de eco-atlas is deze gesplitst in 5 delen met verschillende organismengroepen, te weten:

- Deel I:           methodiek, gebruik watertypenbeschrijving, register
- Deel II:          fytoplankton en macrofyten
- Deel III:        epifytische diatomeeën
- Deel IV:         zoöplankton en macrofauna (excl. insecten)
- Deel V:          macrofauna: insecten

Het onderzoek werd in 1995 door het dagelijks bestuur van de STOWA opgedragen aan Witteveen+Bos Raadgevende ingenieurs b.v. in samenwerking met de Vakgroep Waterkwaliteitsbeheer en Aquatische Oecologie van de Landbouwniversiteit te Wageningen. Het projectteam bestond naast de auteurs ir. R.A.E. Knobben (Witteveen+Bos) en ir. E.H.T.M. Peeters (L.U. Wageningen), uit drs. C. Roos (Witteveen+Bos) en drs. J.J.P. Gardeniers (L.U. Wageningen). De in het project bewerkte gegevens zijn voor het merendeel geleverd door de Nederlandse waterbeheerders. Het project werd begeleid door een commissie bestaande uit dr. ir. H.H. Tolkamp (Zuiveringschap Limburg), dr. T.H.L. Claassen (Waterschap Friesland), ir. P.J.M. Latour (RIZA), drs. M. Schreijer (Hoogheemraadschap van Uitwaterende Sluizen in Hollands Noorderkwartier), dr. H. van der Hammen (Provincie Noord-Holland) en dr. S.P. Klapwijk (STOWA).

Dank is de STOWA verschuldigd aan haar deelnemers en andere instanties die door het beschikbaar stellen van gegevens deze ecoatlas mogelijk hebben gemaakt. Namens de opdrachtgever, de begeleidingscommissie en de uitvoerders van het onderzoek spreek ik de hoop uit dat deze eco-atlas veelvuldig gebruikt zal worden.

Utrecht, oktober 1997

De directeur van de STOWA

drs. J.F. Noorthoorn van der Kruijff

## Toelichting

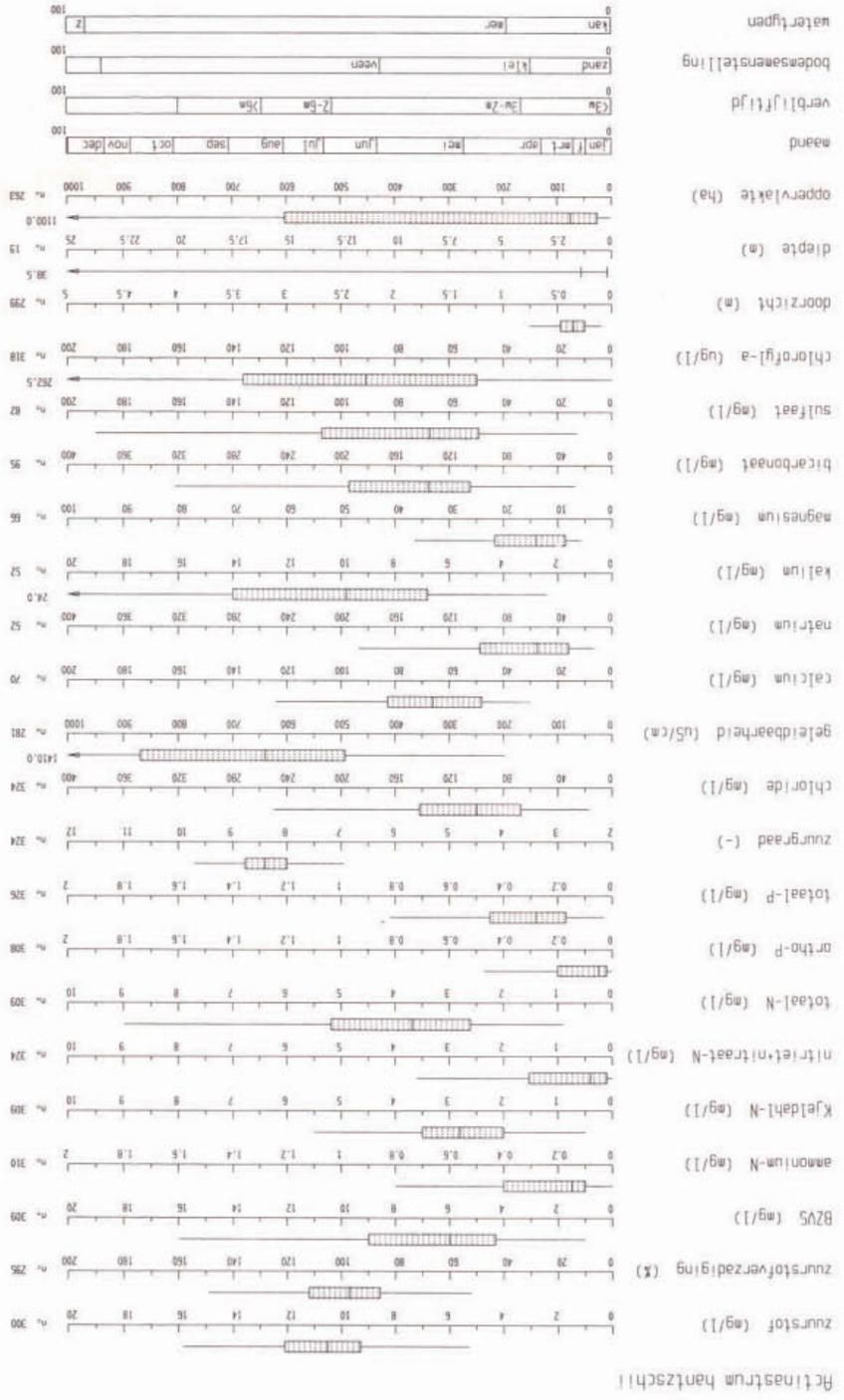
Dit rapport is onderdeel van de vijfde uitgave van de Eco-atlas van waterorganismen. Dit deelrapport bevat de verspreidingskaarten en responsiediagrammen van soorten uit het fytoplankton, of microfyten in bezinkingsplankton en macrofyten.

De achtergronden en een toelichting op het gebruik is beschreven in deel I van de Eco-atlas.

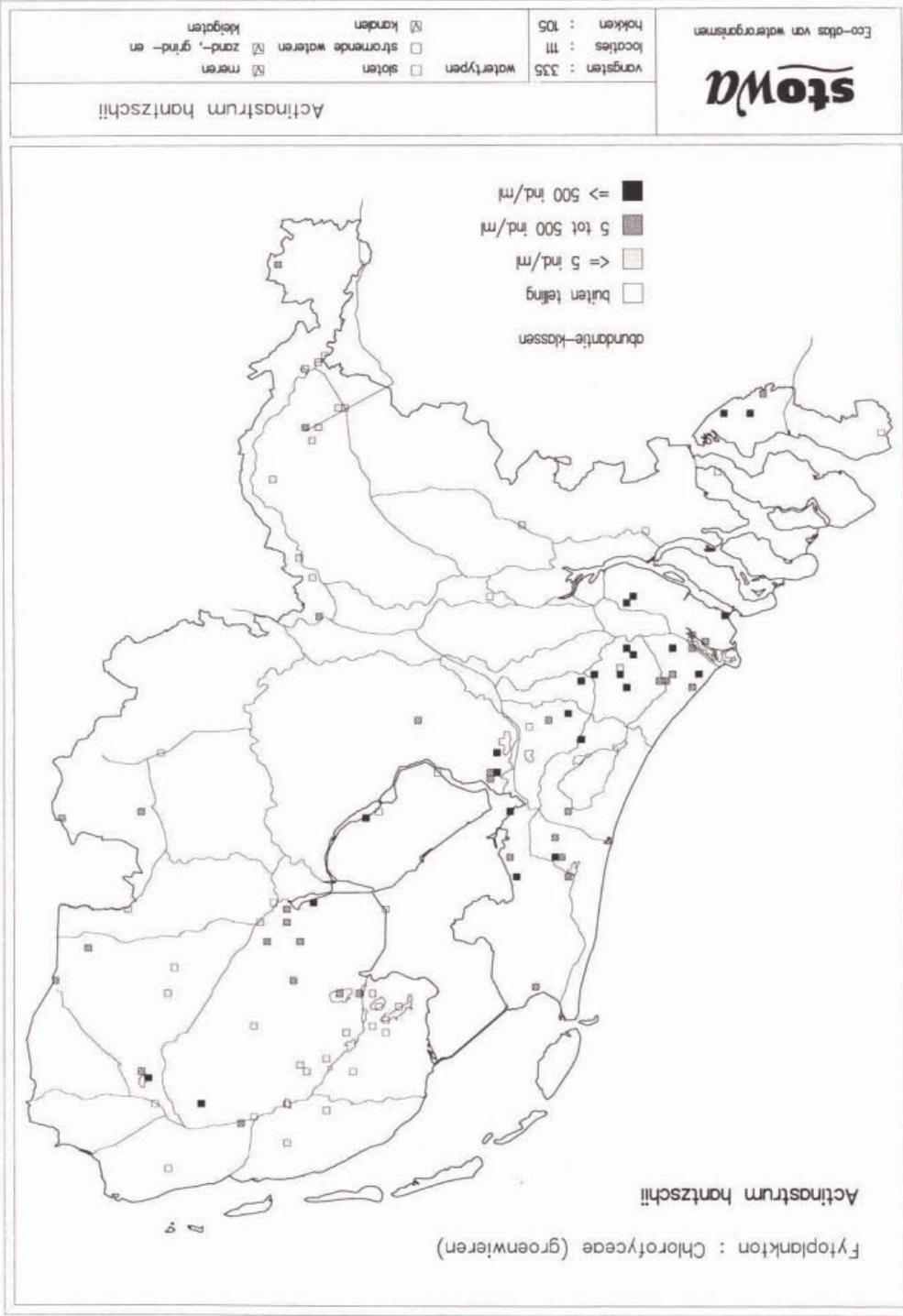
De soorten van het fytoplankton zijn gegroepeerd naar orde en binnen de orde alfabetisch gerangschikt. Een alfabetisch register op soortnamen met synonieme en oude naamgeving is in deel I opgenomen.

Diatomeeën (die doorgaans ook in het bezinkingsplankton aangetroffen kunnen worden) zijn in deel III opgenomen.

Macrofyten zijn gegroepeerd naar kranswieren, varens, paardestaarten en zaadplanten. De zaadplanten zijn eveneens alfabetisch gerangschikt. De kranswieren behoren strikt genomen niet tot de hogere planten, maar worden vaak in vegetatieopnamen meegenomen en daarom ook bij de macrofyten ondergebracht.



Actinastrum hantzschii



Actinastrum hantzschii

watertypen  sloten  meren  zand-, grind- en kleigaten  stromende wateren  kanden

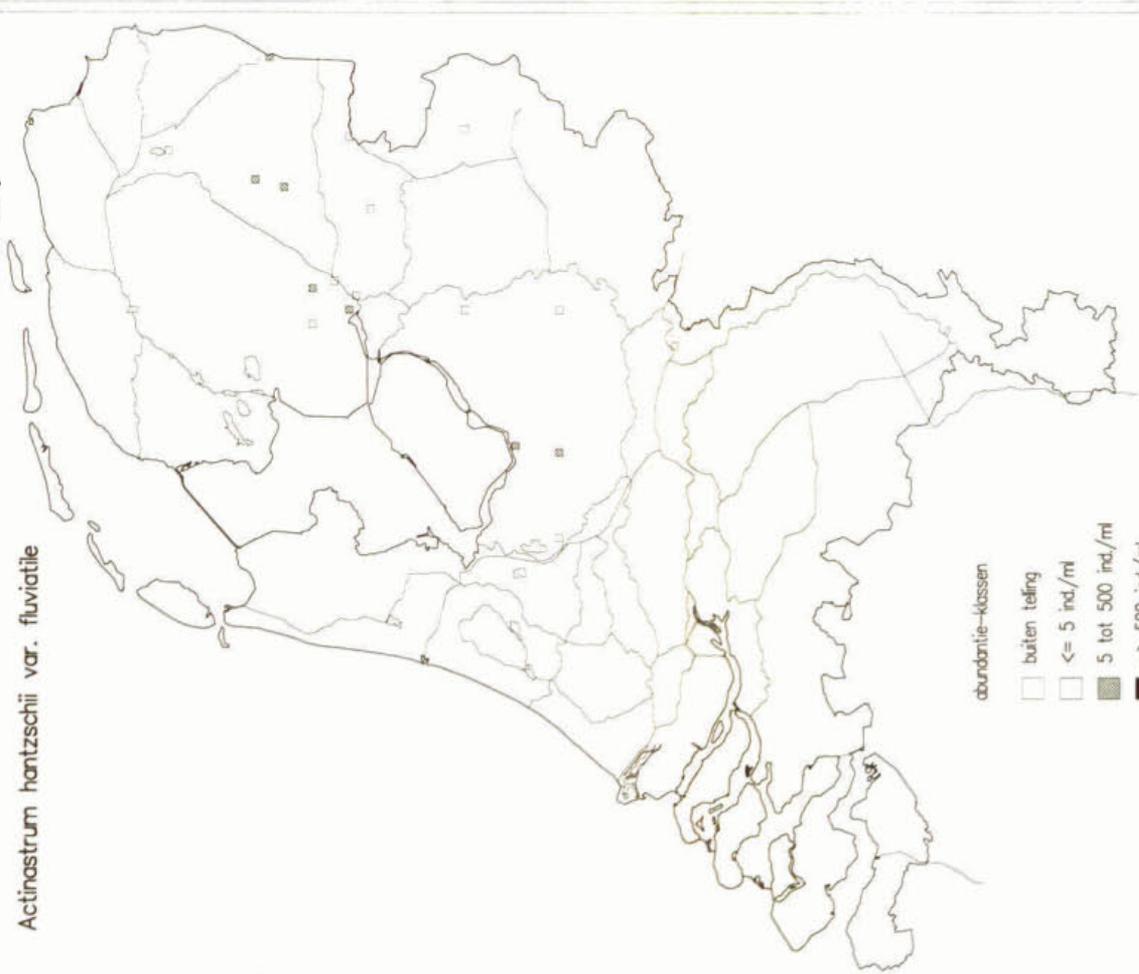
vangsten : 335  
locaties : 111  
hokken : 105

Eco-atlas van waterorganismen

STOWA

Fytoplankton : Chlorofyceae (groenwieren)

Actinastrum hantzschii var. fluviatile



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ ⇒ 500 ind./ml

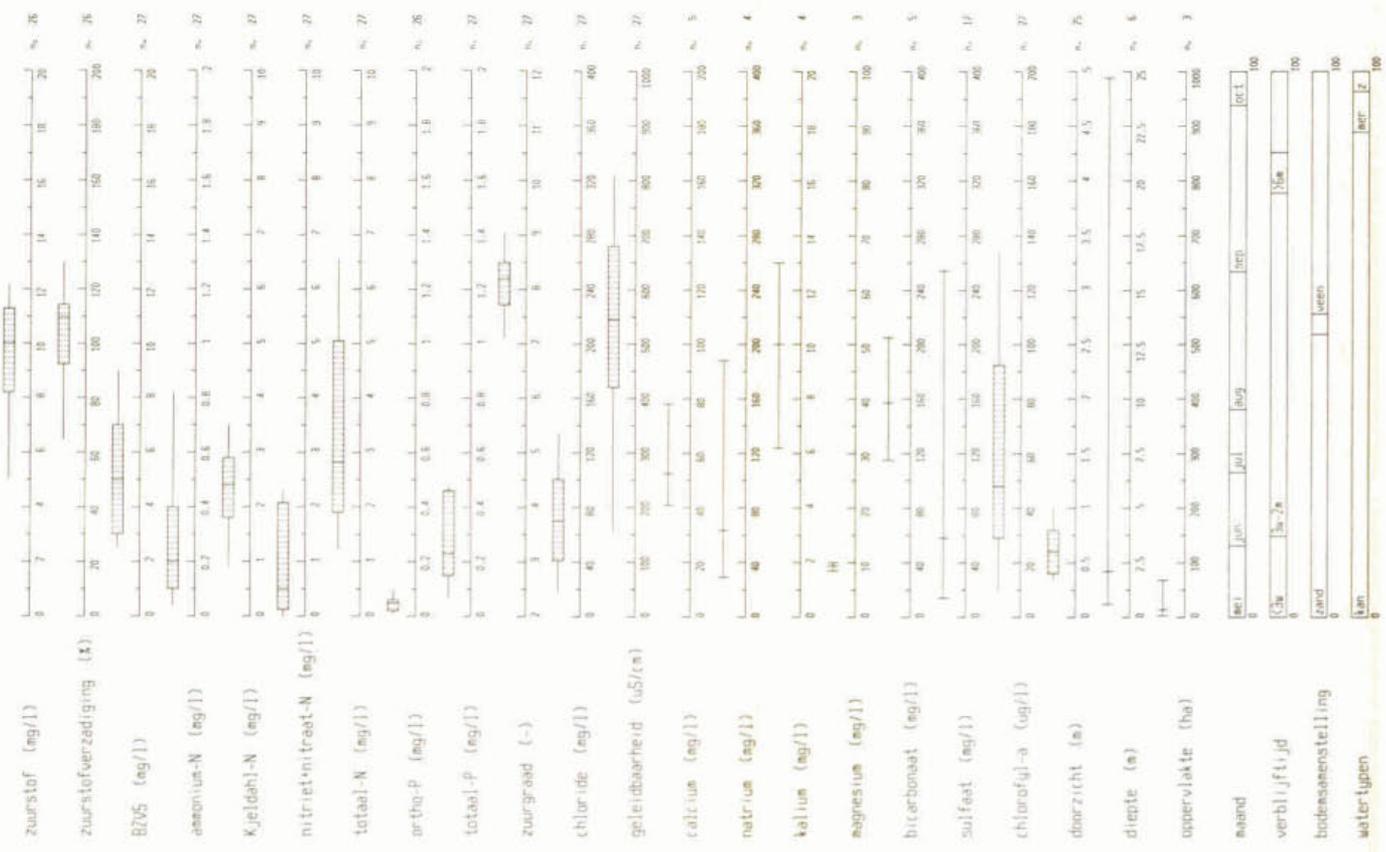
**stowa**  
 Eco-atlas van waterorganismen

Actinastrum hantzschii var. fluviatile

vangsten : 27  
 locaties : 19  
 bakken : 13

watertypen  
 slotten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen

Actinastrum hantzschii var. fluviatile



eiland  ja  nee  niet

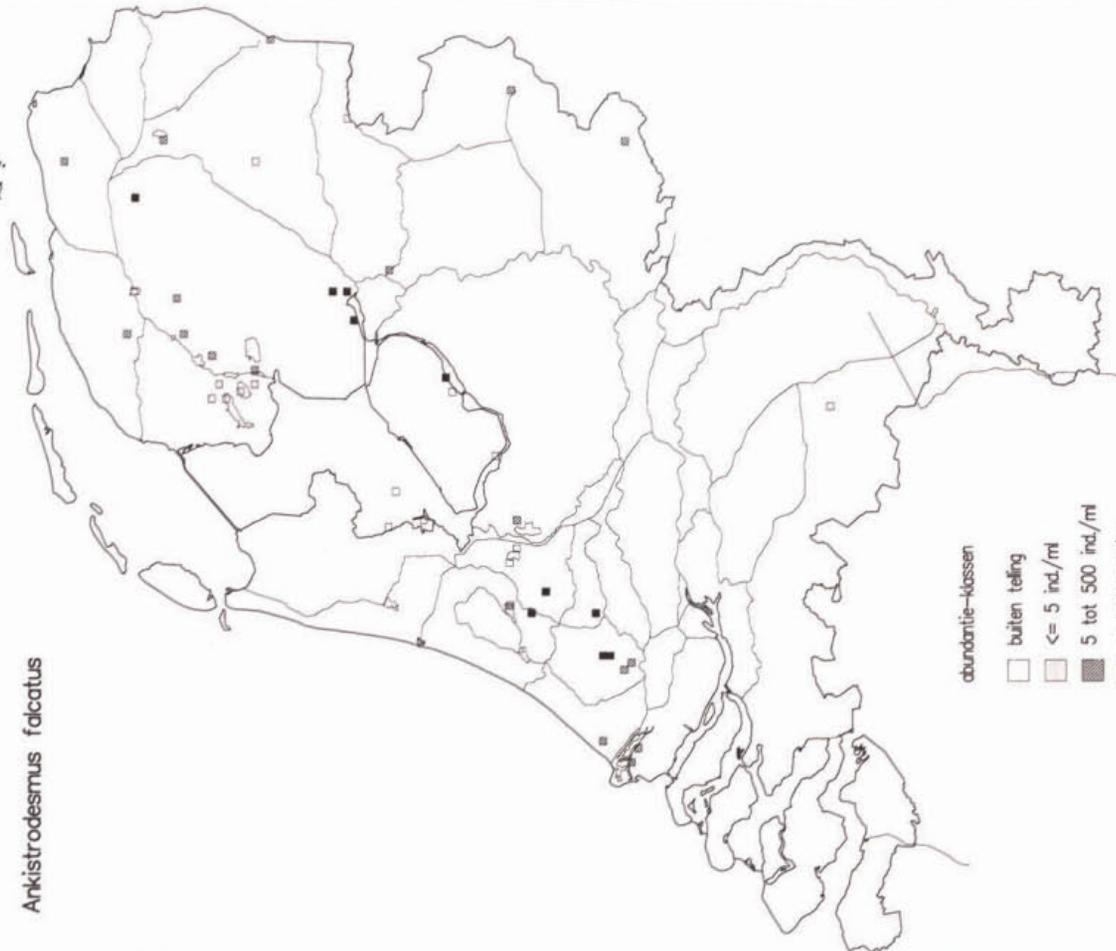
verblijftijd  1-2  3-6  7-10  11-15  16-20  21-25  26-30  31-35  36-40  41-45  46-50  51-55  56-60  61-65  66-70  71-75  76-80  81-85  86-90  91-95  96-100

bodemprofiel  zand  veen  klei

watertypen  slotten  meren  stromende wateren  zand-, grind- en kleigaten  kanalen

Fytoplankton : Chlorofyceae (groenwieren)

Ankistrodesmus falcatus



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

Ankistrodesmus falcatus

vangsten : 396  
 locaties : 50  
 hokken : 45

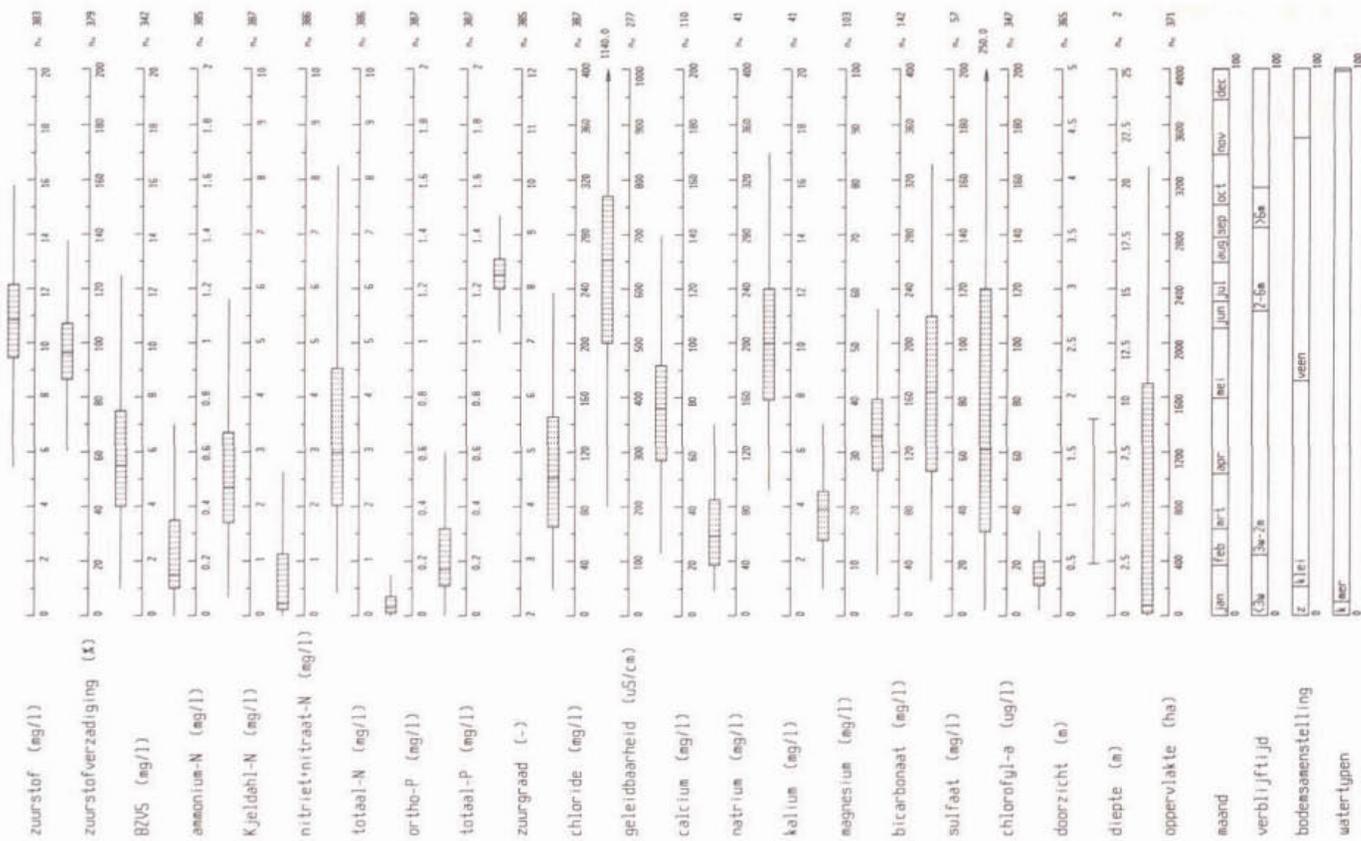
watertypen  
 sloten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten



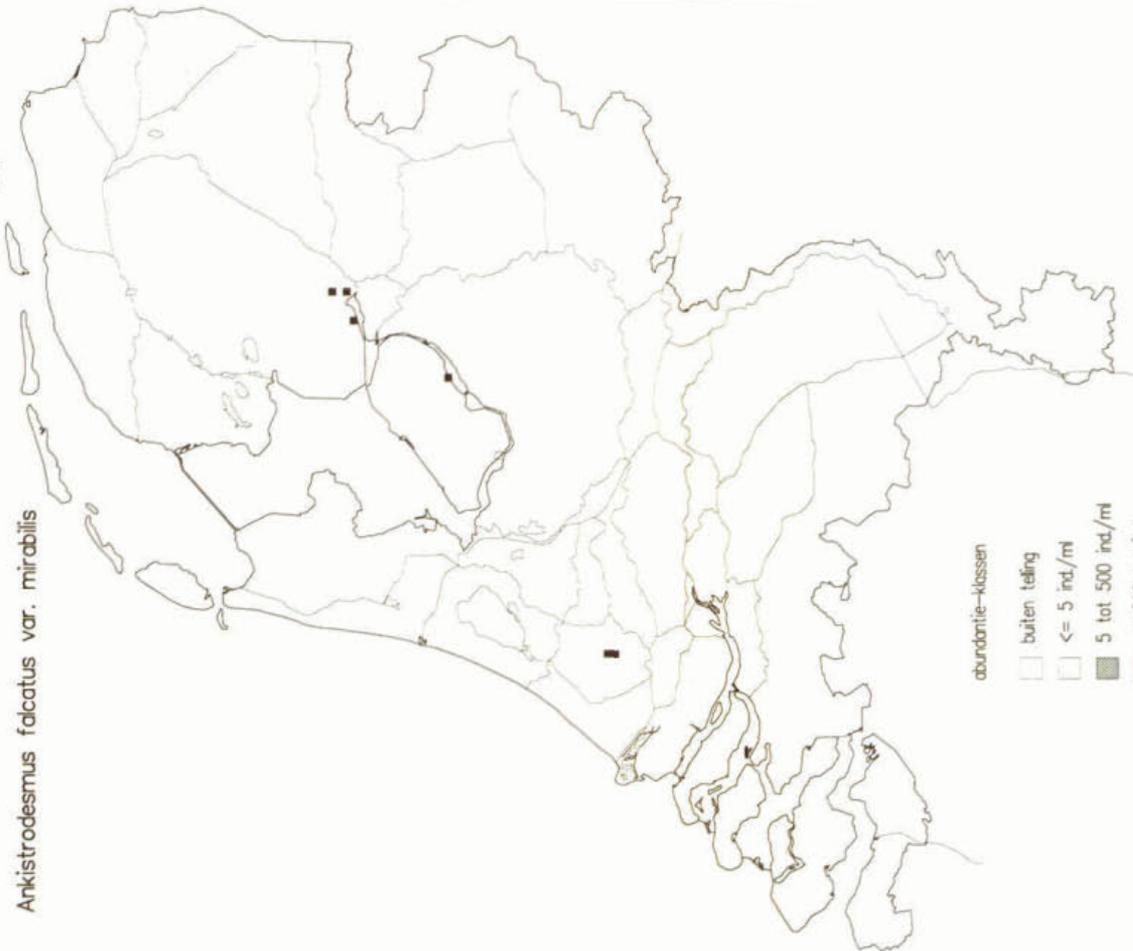
Eco-atlas van waterorganismen

Ankistrodesmus falcatus



Fytoplankton : Chlorofyceae (groenwieren)

*Ankistrodesmus falcatus* var. *mirabilis*



abundantie-klassen

- buiten telling
- ≤ 5 ind./m<sup>3</sup>
- 5 tot 500 ind./m<sup>3</sup>
- ⇒ 500 ind./m<sup>3</sup>

vangsten : 197  
 locaties : 10  
 hakken : 7

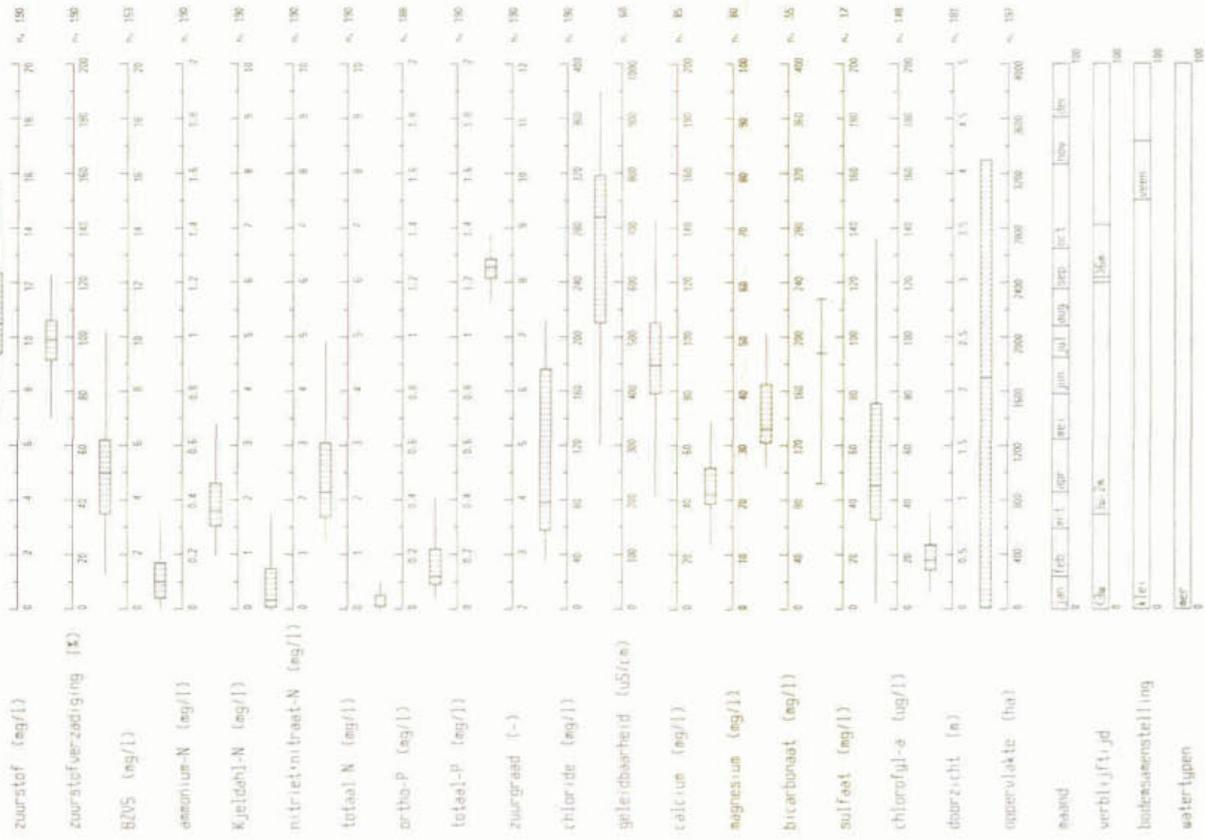
watertypen

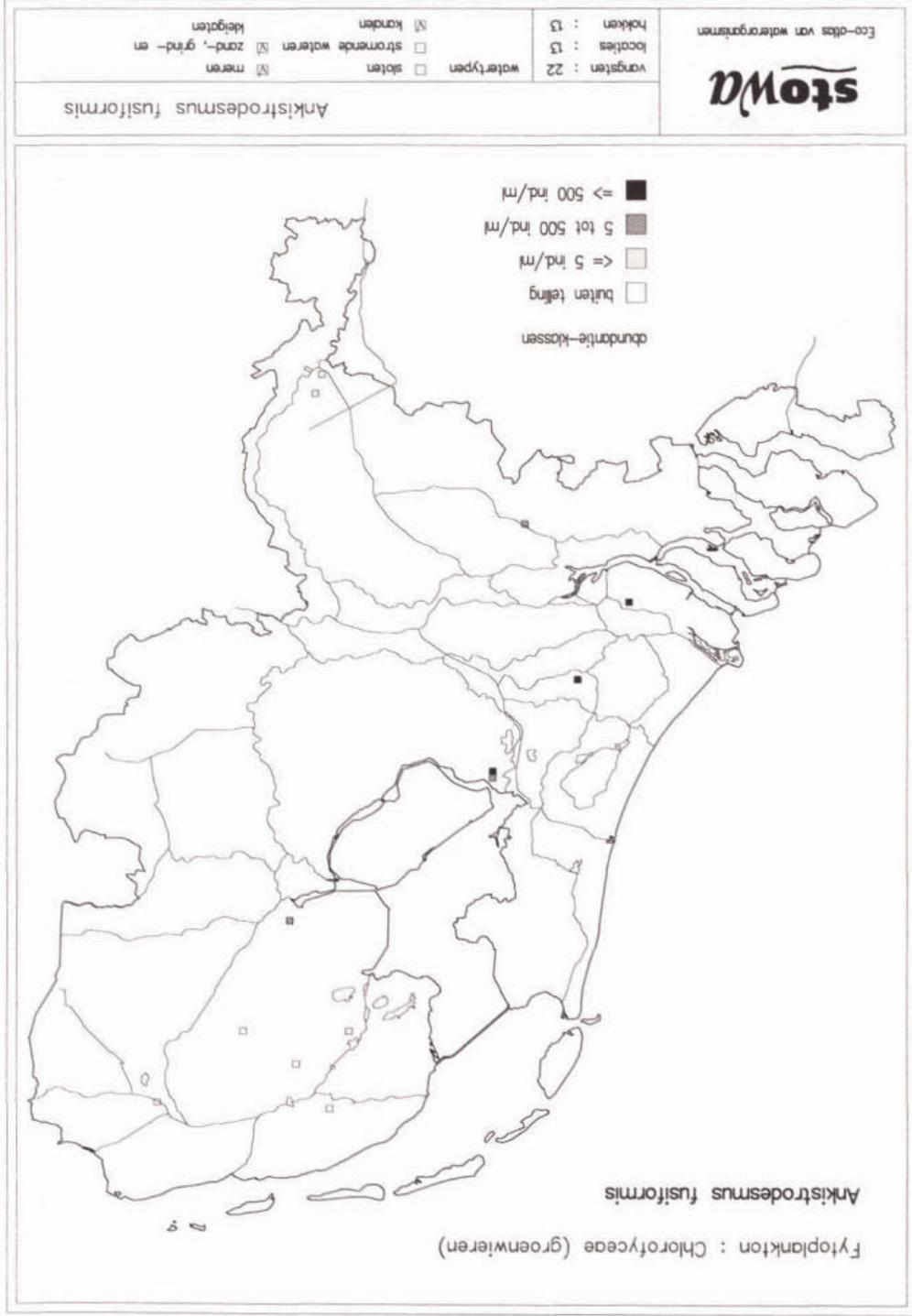
- sloten
- stromende wateren
- kanalen
- meren
- zand-, grind- en kleigaten

**stowa**

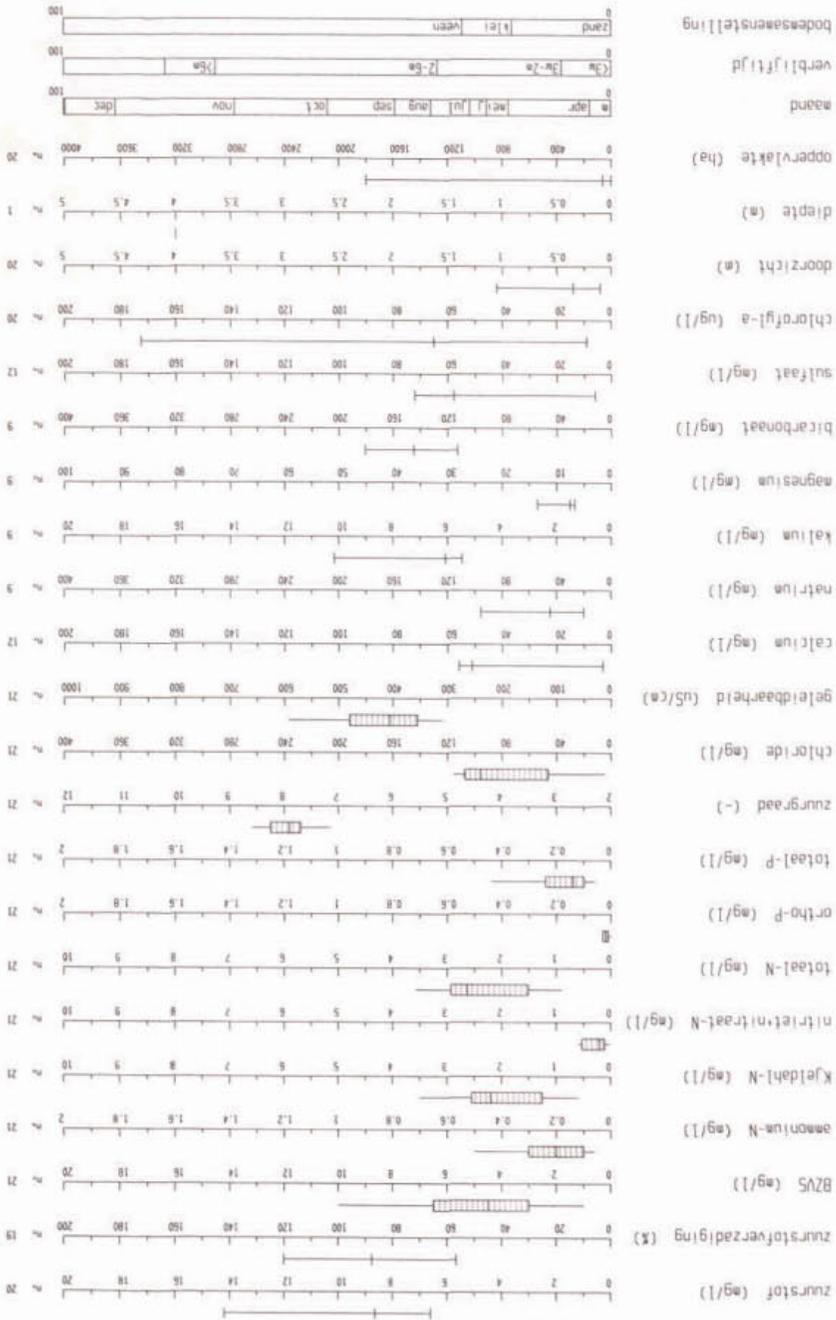
Eco-atlas van waterorganismen

*Ankistrodesmus falcatus* var. *mirabilis*



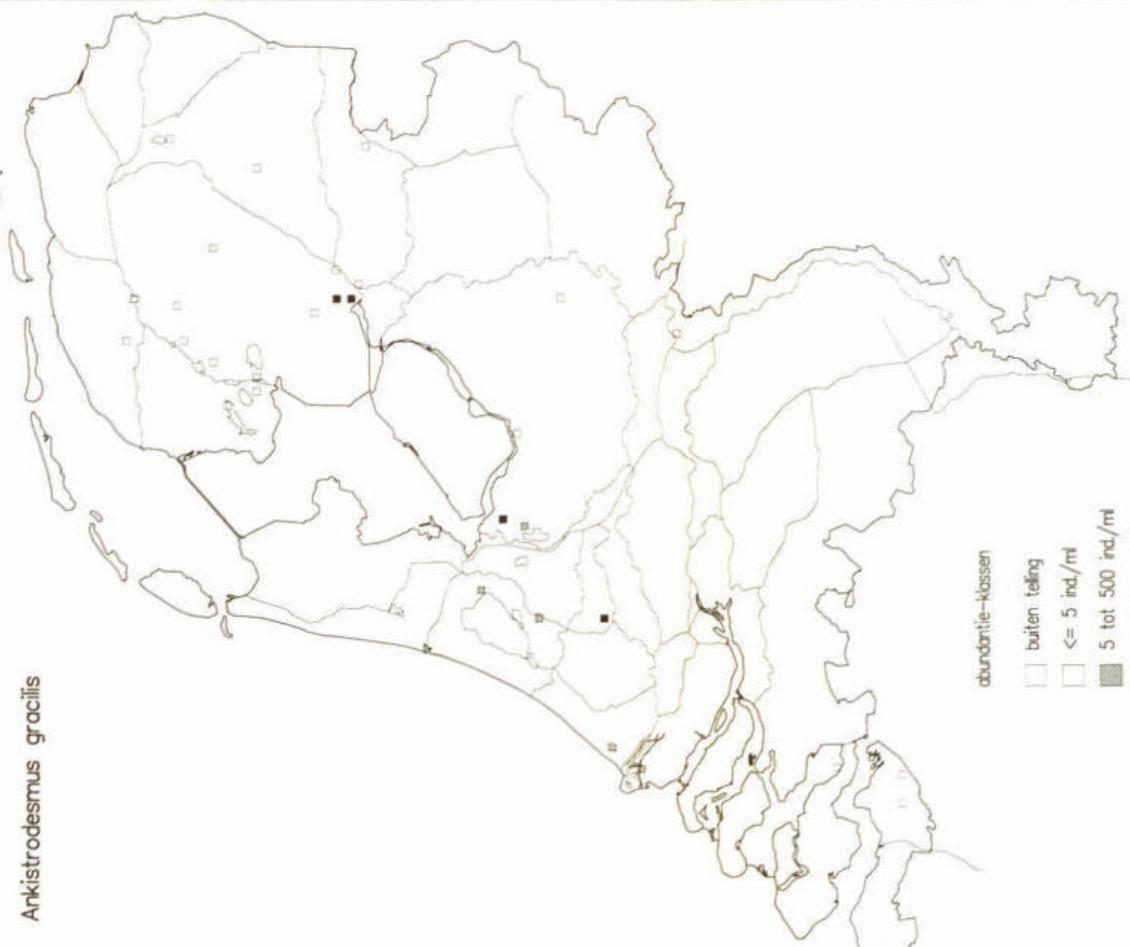


Ankrivierdesmus fustiformis



Fytoplankton : Chlorofyceae (groenwieren)

Ankistrodesmus gracilis



abundantie-klassen  
 buiten telling  
 ≤ 5 ind./ml  
 5 tot 500 ind./ml  
 ≥ 500 ind./ml

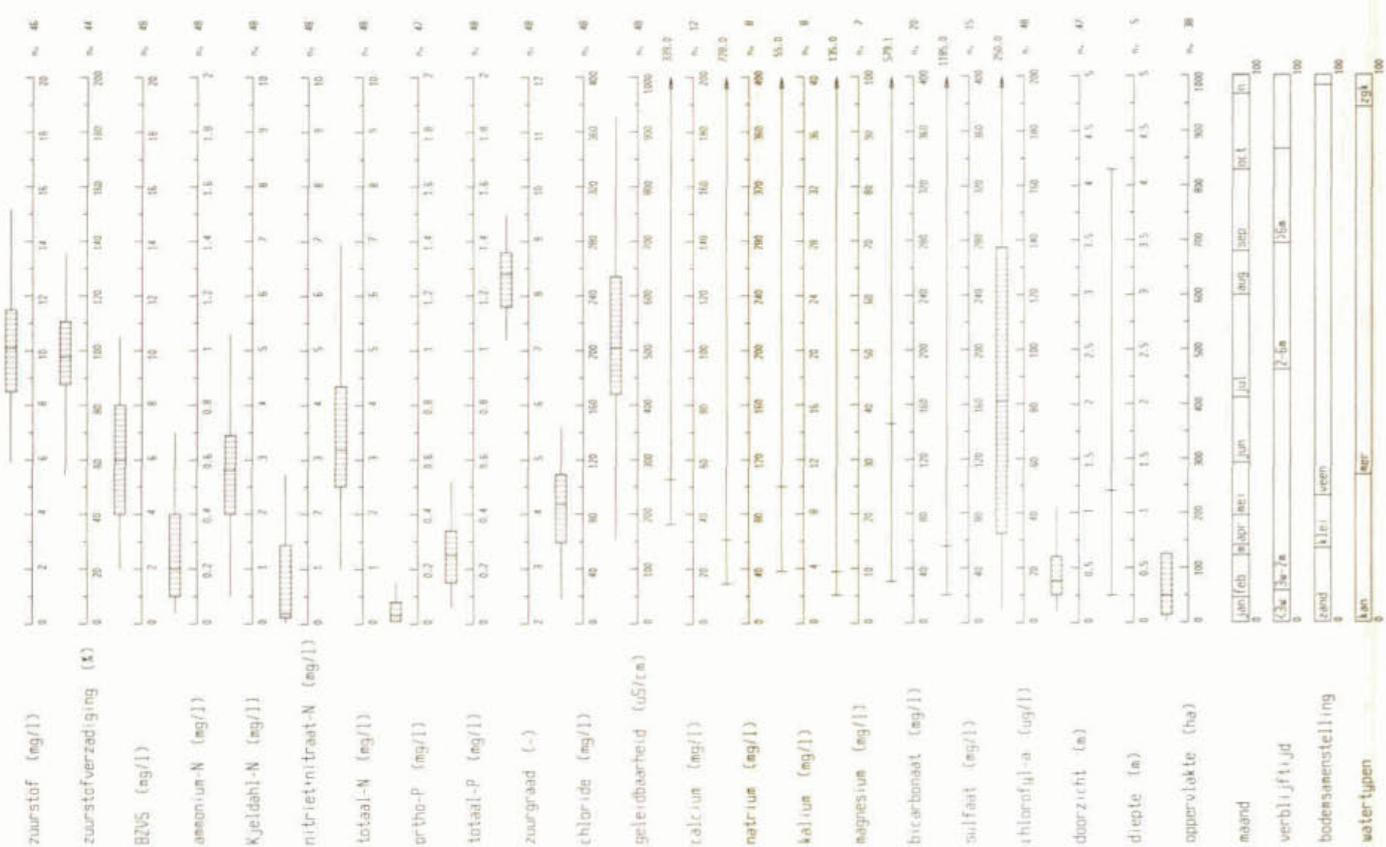
vangsten : 52  
 localities : 32  
 hokken : 31

**stowa**  
 Eco-atlas van waterorganismen

Ankistrodesmus gracilis

watertypen  
 sloten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten  
 koudwater

Ankistrodesmus gracilis



maand:  jan  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

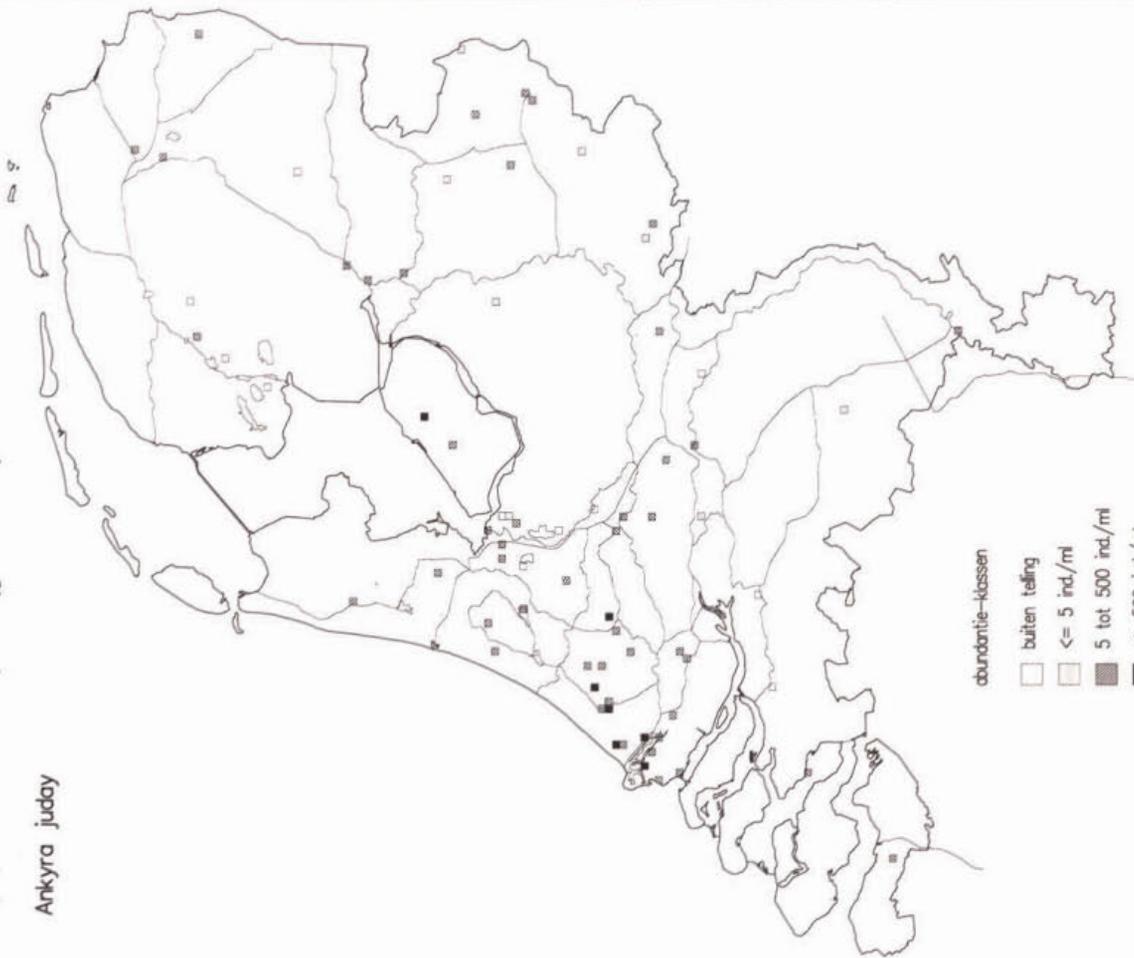
verblijftijd:  < 3w  3-7m  7-12m  12-18m  18-24m  24-36m  36-48m  48-60m

zand:  klei  veen

kan:  leer  zijk  100

Fytoplankton : Chlorofyceae (groenwieren)

Ankyra juday



**stowa**

Eco-atlas van waterorganismen

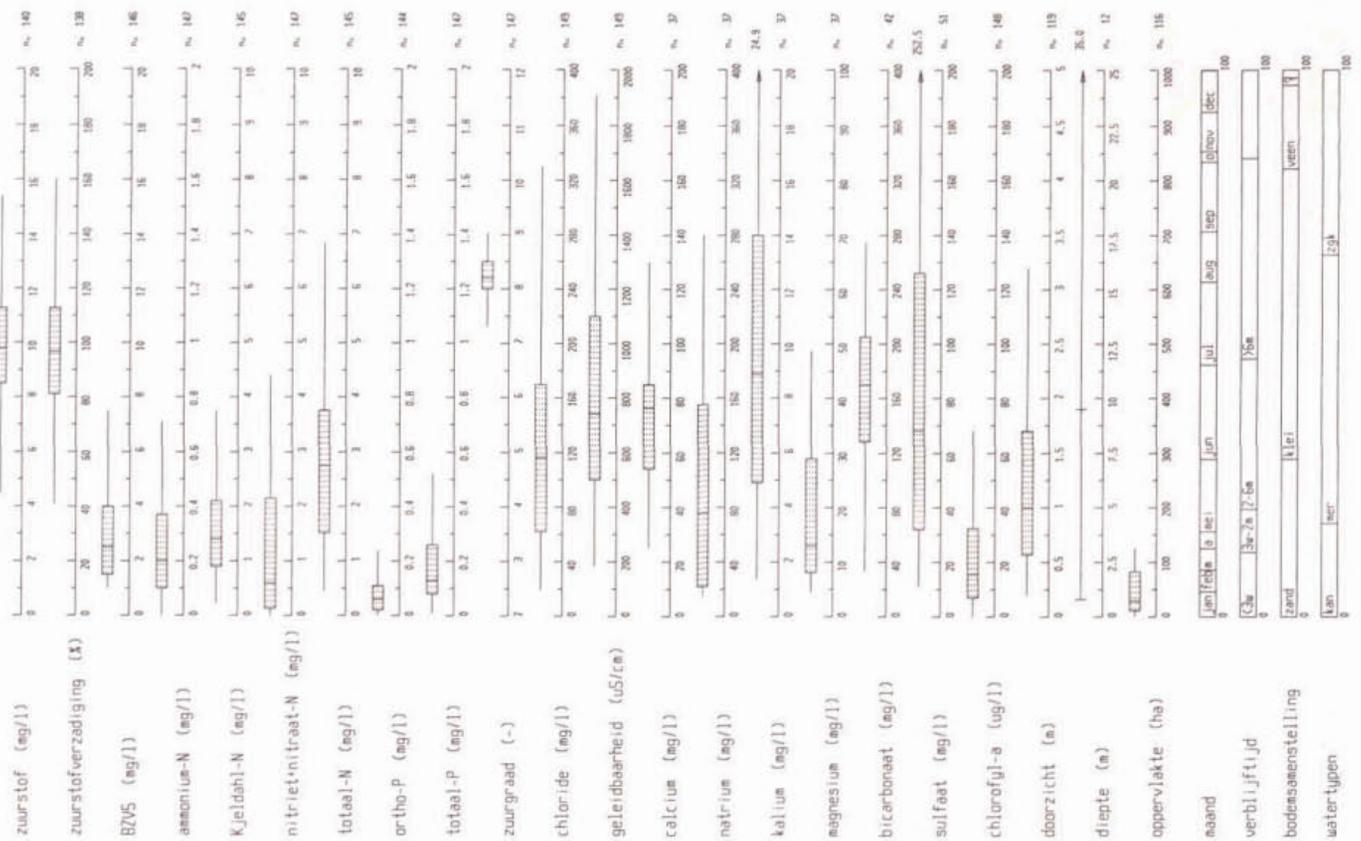
Ankyra juday

vangsten : 152  
 locaties : 73  
 bakken : 72

watertypen  
 sloten  
 stromende wateren  
 kanalen

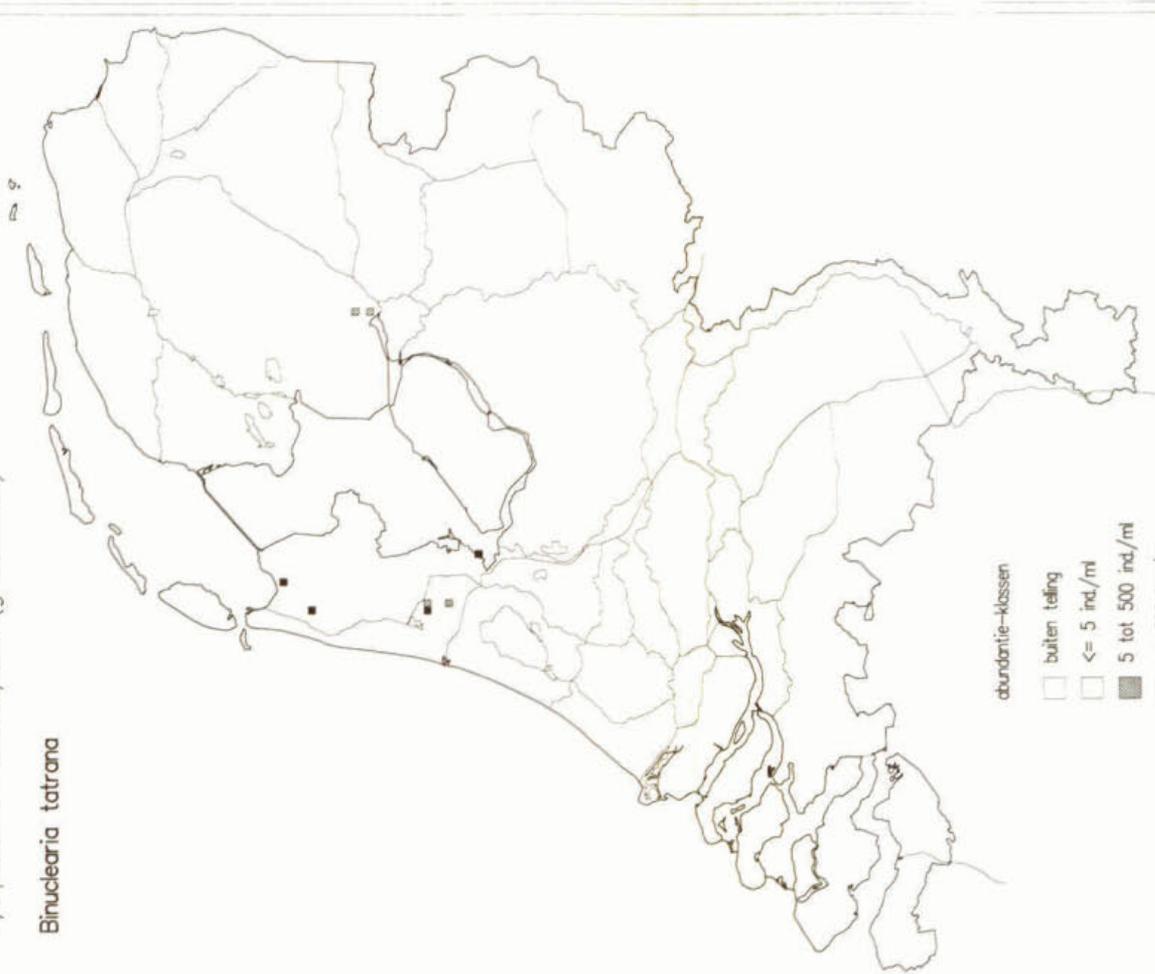
mieren  
 zand-, grind- en kleigaten

Ankyra juday



Fytoplankton : Chlorofyceae (groenwieren)

*Binuclearia tatrana*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

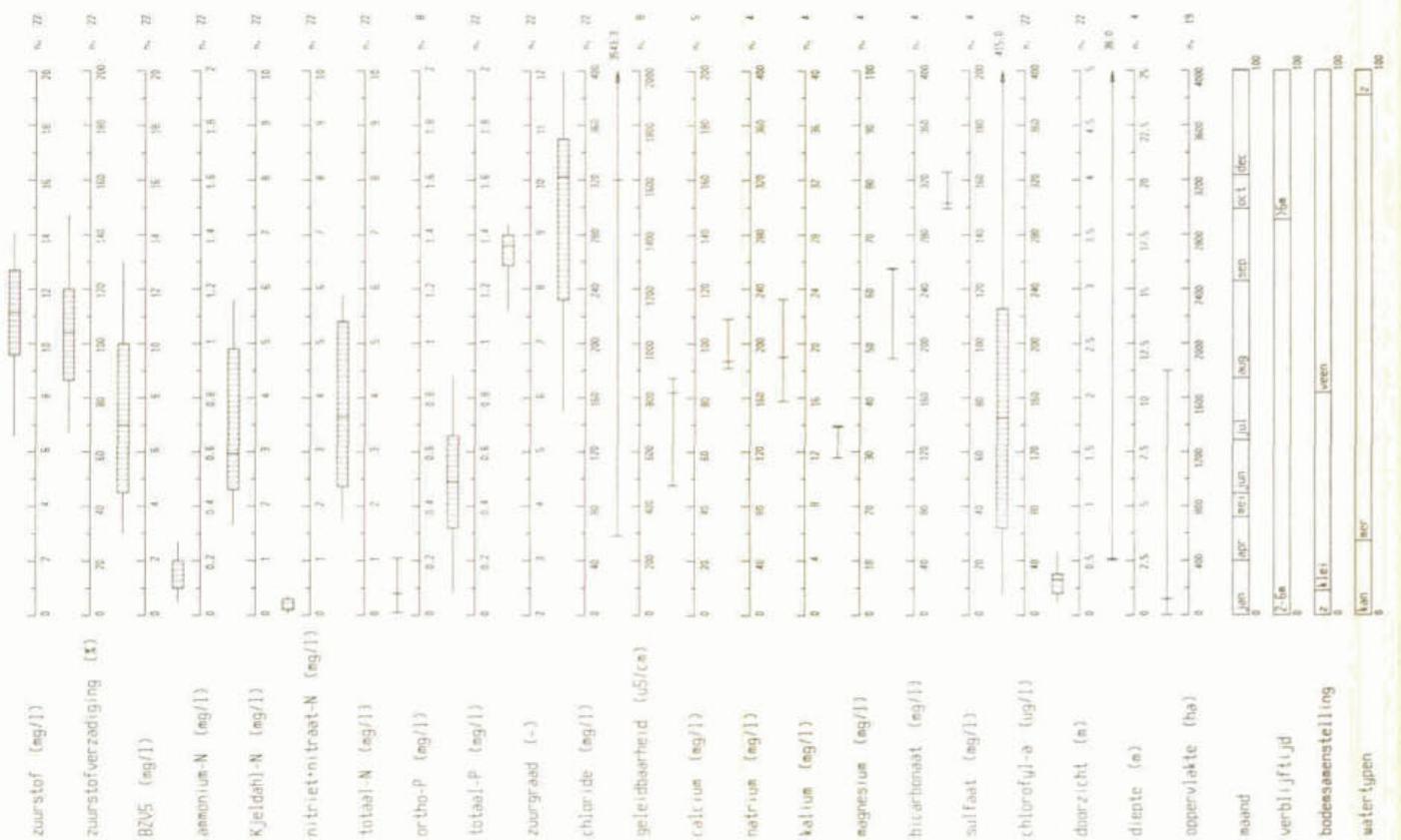
*Binuclearia tatrana*

vangsten : 22  
 locaties : 9  
 bakken : 8

watertypen  sloten  N meren  
 stromende wateren  zand-, grind- en kleigaten  
 N kanalen

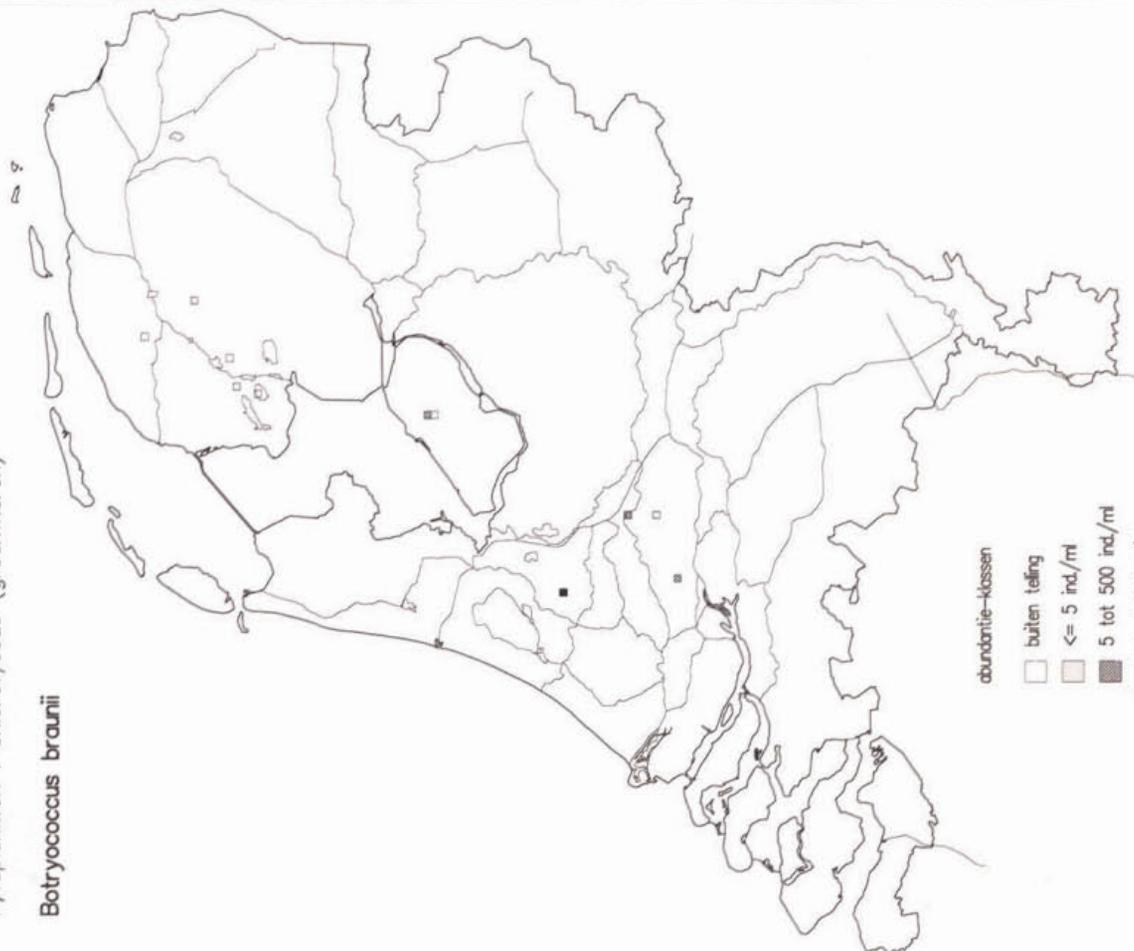
**stowa**  
 Eco-atlas van waterorganismen

*Binuclearia tatrana*



Fytoplankton : Chlorofyceae (groenwieren)

**Botryococcus braunii**



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

**stowa**  
 Eco-atlas van waterorganismen

**Botryococcus braunii**

vangsten : 20  
 locaties : 11  
 hokken : 11

watertypen  
 sloten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten

**Botryococcus braunii**

zuurstof (mg/l)	0 2 4 6 8 10 12 14 16 18 20	0 20 40 60 80 100 120 140 160 180 200	0 20
zuurstofverzadiging (‰)	0 2 4 6 8 10 12 14 16 18 20	0 20 40 60 80 100 120 140 160 180 200	0 20
BZVS (mg/l)	0 2 4 6 8 10 12 14 16 18 20	0 20 40 60 80 100 120 140 160 180 200	0 20
ammonium-N (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 20
Kjeldahl-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10	0 1 2 3 4 5 6 7 8 9 10	0 20
nitriet/nitraat-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10	0 1 2 3 4 5 6 7 8 9 10	0 20
totaal-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10	0 1 2 3 4 5 6 7 8 9 10	0 20
ortho-P (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 20
totaal-P (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 20
zuurgraad (-)	2 3 4 5 6 7 8 9 10 11 12	2 3 4 5 6 7 8 9 10 11 12	0 20
chloride (mg/l)	0 40 80 120 160 200 240 280 320 360 400	0 40 80 120 160 200 240 280 320 360 400	0 20
geleidbaarheid (µS/cm)	0 200 400 600 800 1000 1200 1400 1600 1800 2000	0 200 400 600 800 1000 1200 1400 1600 1800 2000	0 20
calcium (mg/l)	0 20 40 60 80 100 120 140 160 180 200	0 20 40 60 80 100 120 140 160 180 200	0 4
natrium (mg/l)	0 40 80 120 160 200 240 280 320 360 400	0 40 80 120 160 200 240 280 320 360 400	0 4
kalium (mg/l)	0 2 4 6 8 10 12 14 16 18 20	0 2 4 6 8 10 12 14 16 18 20	0 4
magnesium (mg/l)	0 10 20 30 40 50 60 70 80 90 100	0 10 20 30 40 50 60 70 80 90 100	0 4
bicarbonaat (mg/l)	0 40 80 120 160 200 240 280 320 360 400	0 40 80 120 160 200 240 280 320 360 400	0 12
sulfaat (mg/l)	0 40 80 120 160 200 240 280 320 360 400	0 40 80 120 160 200 240 280 320 360 400	0 5
chlorofyl-a (µg/l)	0 40 80 120 160 200 240 280 320 360 400	0 40 80 120 160 200 240 280 320 360 400	0 20
doorzicht (m)	0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5	0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5	0 20
oppervlakte (ha)	0 400 800 1200 1600 2000 2400 2800 3200 3600 4000	0 400 800 1200 1600 2000 2400 2800 3200 3600 4000	0 18
maand	jan mei jul sep oct nov	100	100
verblijftijd	3a-7a 7-1a	100	100
bodemaaanstelling	klei veen	100	100
watertypen	12a	100	100

Fytoplankton : Chlorofyceae (groenwieren)

Chlamydomonas groep euclamydomonas



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

Chlamydomonas groep euclamydomonas

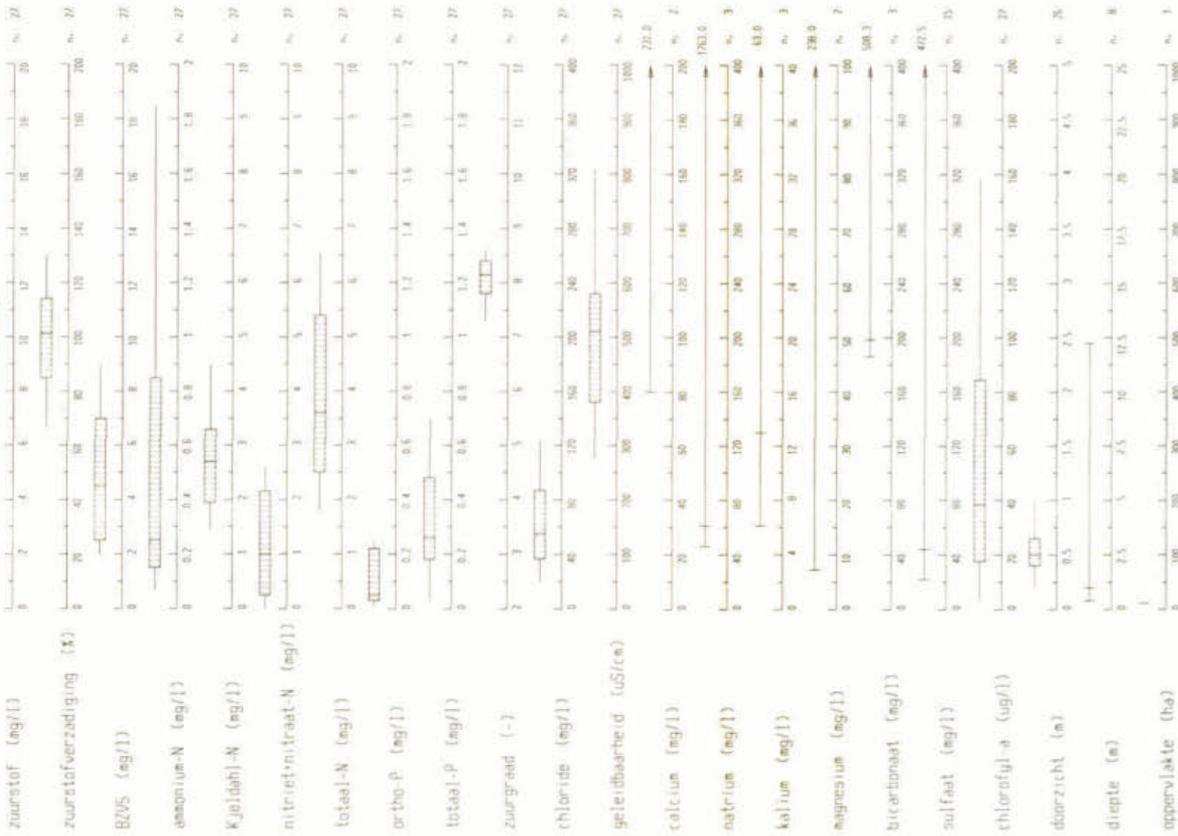
vangsten : 27  
 locaties : 12  
 bakken : 12

watertypen  
 □ sloten  
 □ meren  
 □ stromende wateren  
 □ zand-, grind- en kleigaten  
 ■ kanalen

**stowa**

Eco-atlas van waterorganismen

Chlamydomonas groep euclamydomonas



maand: [feb] [mrt] [apr] [mei] [jun] [jul] [aug] [sep] [okt] [nov] [dec]

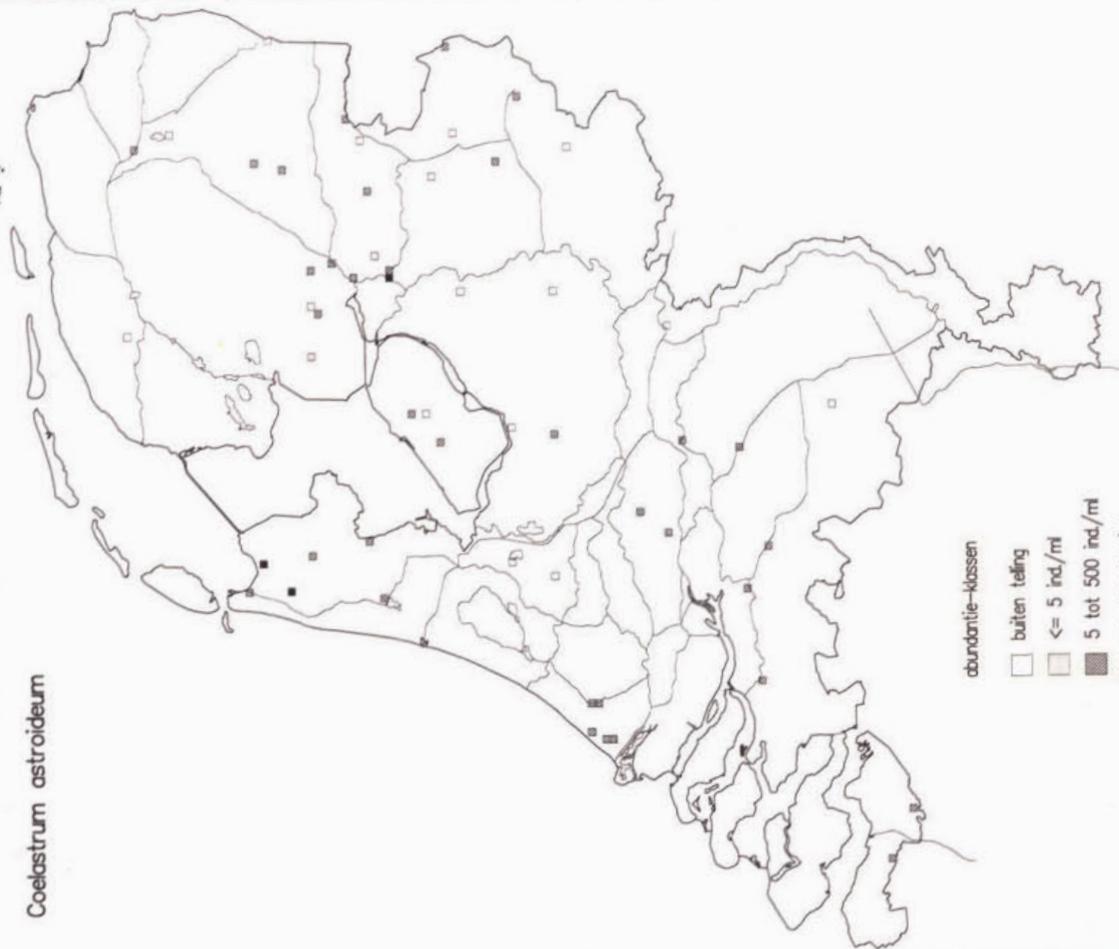
verbl.jftijd: [3-7] n

bodemgestelding: [zand] [veen]

watertypen: [kan] [z]

Fytoplankton : Chlorofyceae (groenwieren)

Coelastrum astroideum



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

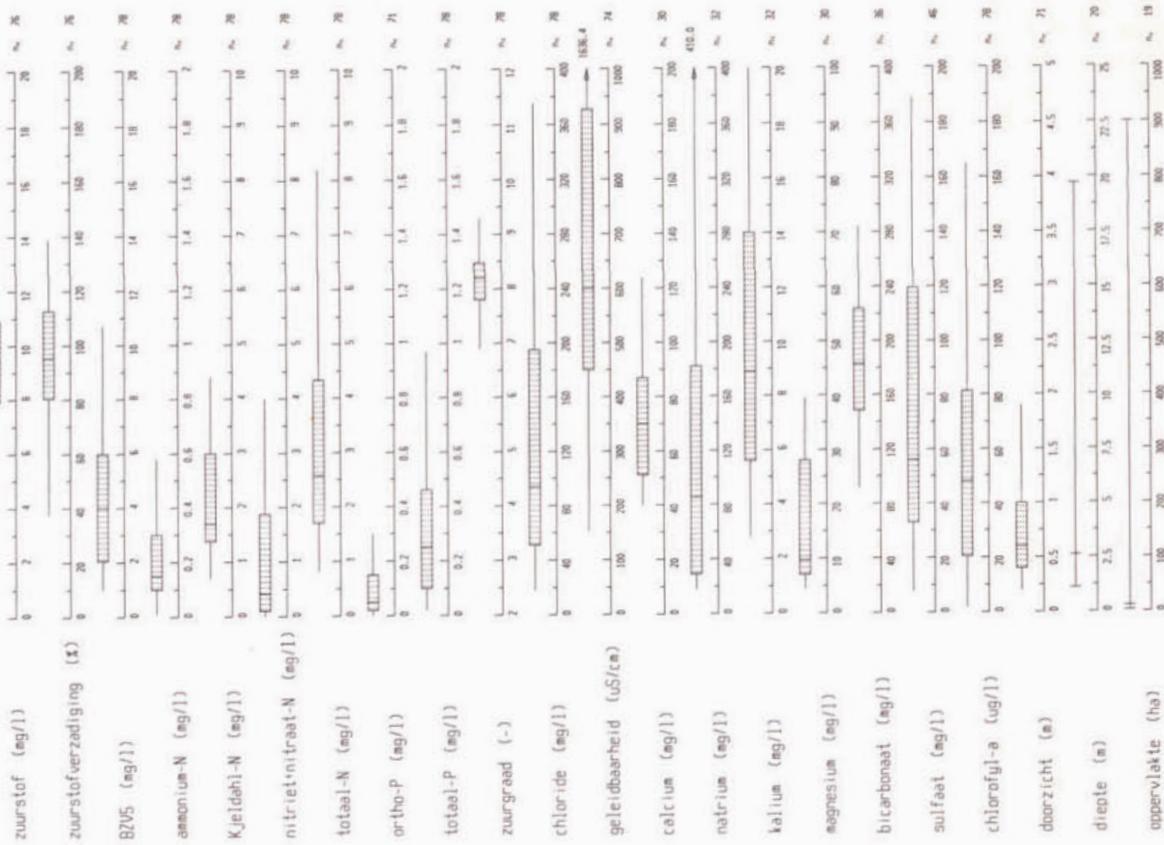
**stowa**

Eco-atlas van waterorganismen

Coelastrum astroideum

vangsten : 79  slabten  meren  
 locaties : 56  stromende wateren  zand-, grind- en kleigaten  
 hokken : 55  karriben

Coelastrum astroideum



maand:  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

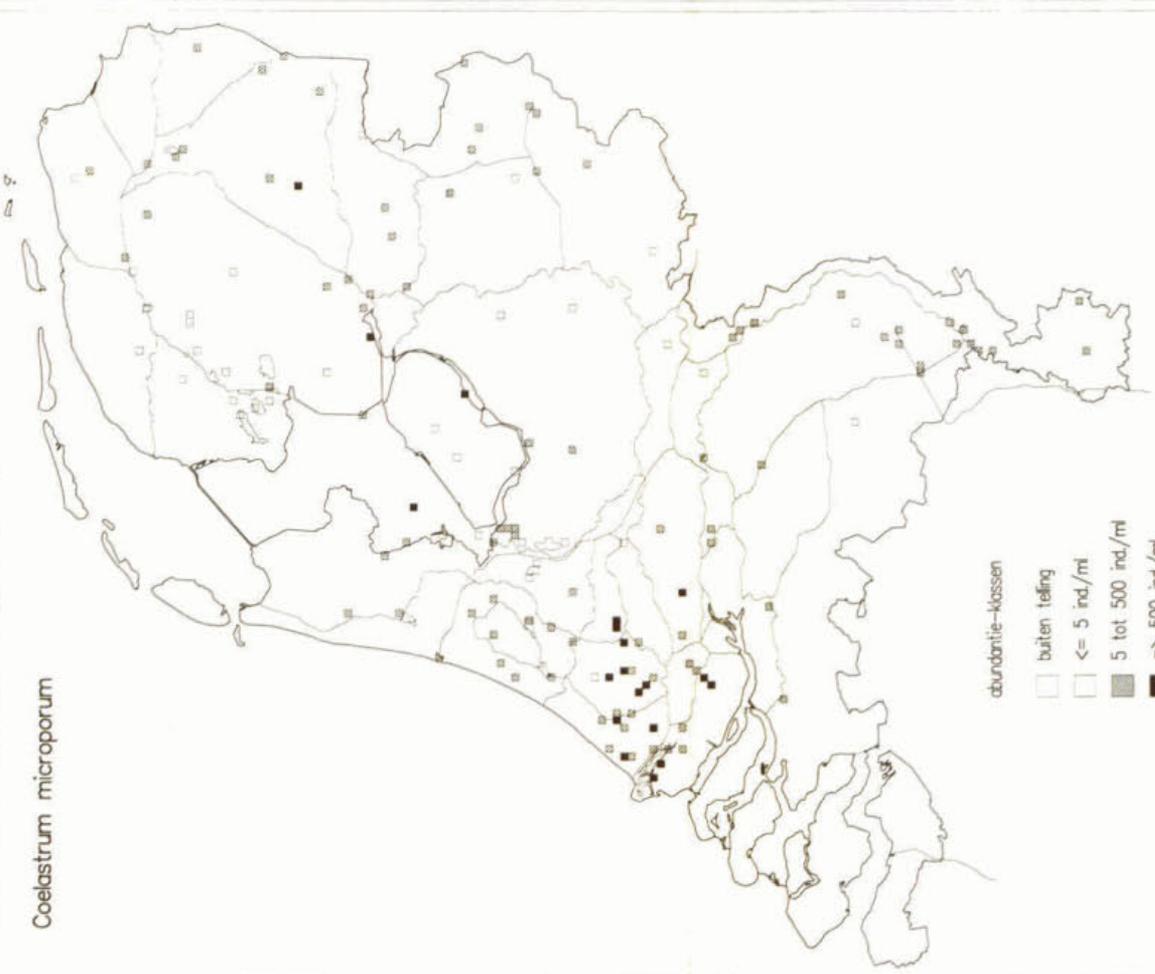
verbljftijd:  3e-7e  2-6e  5e-8e

bodestasinstelling:  zand  klei  veen  100

watertypen:  mer  100

Fytoplankton : Chlorofyceae (groenwieren)

Coelastrum microporum



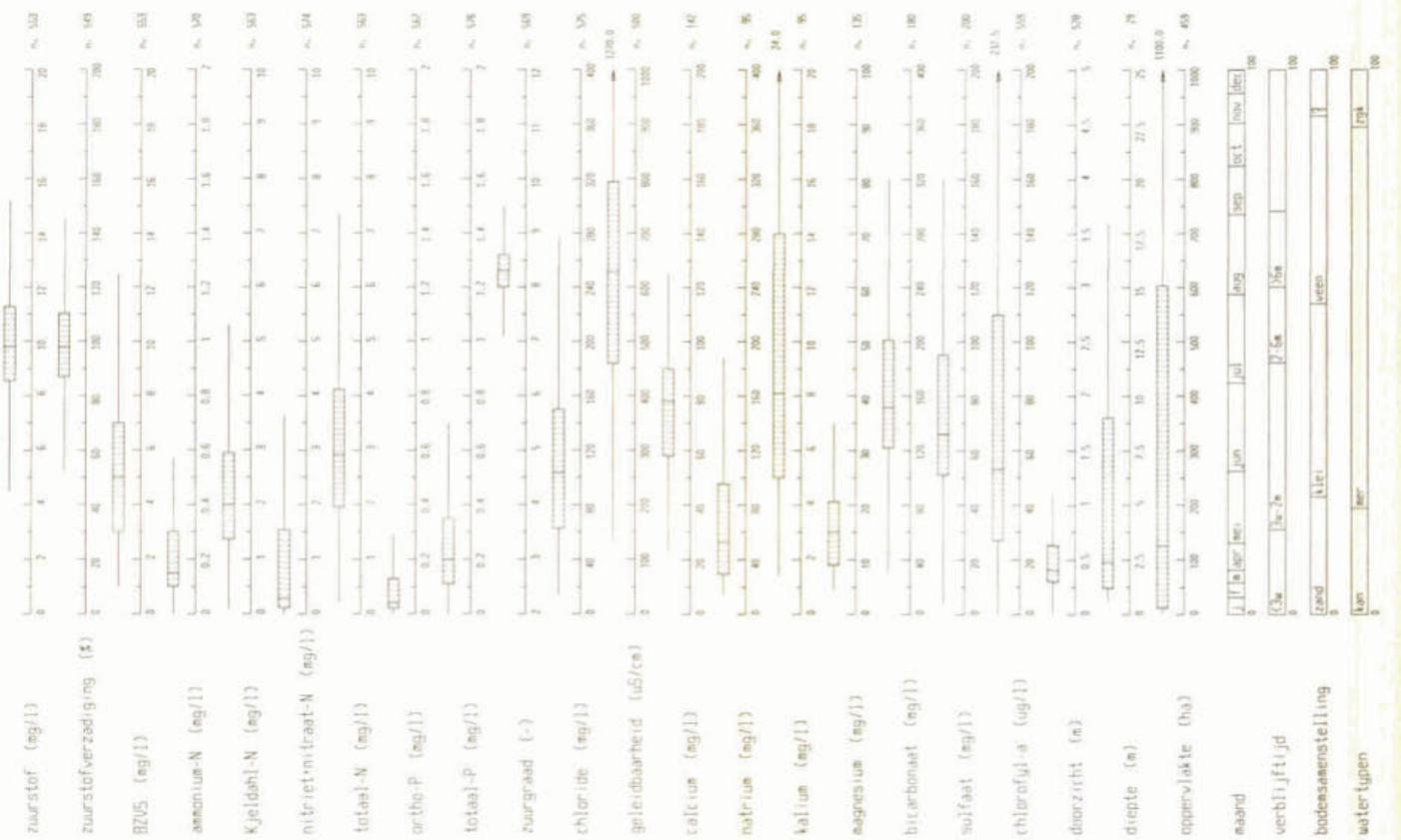
**stowa**  
Eco-atlas van waterorganismen

Coelastrum microporum

vangstien : 600  
locaties : 154  
hokken : 145

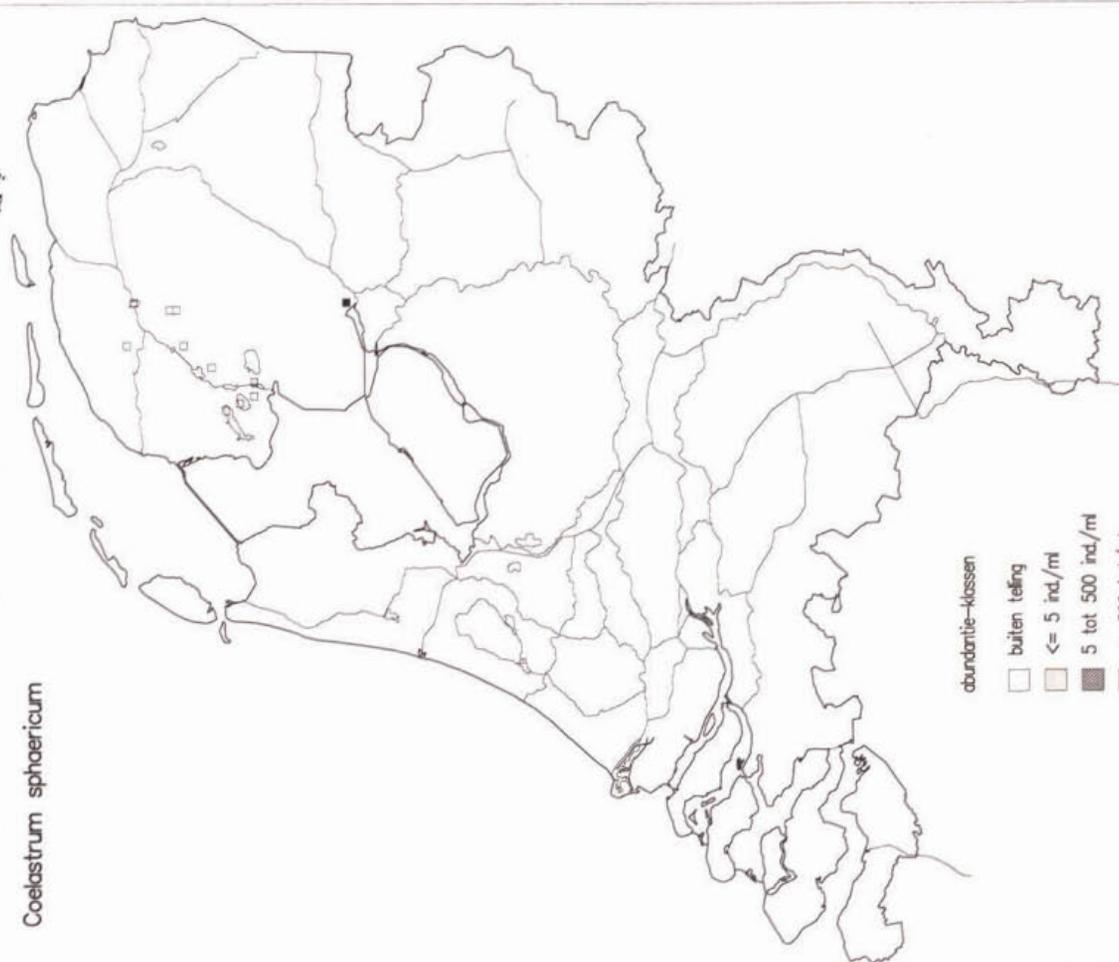
water-typen  
 slotten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

Coelastrum microporum



Fytoplankton : Chlorofyceae (groenwieren)

Coelastrum sphaericum

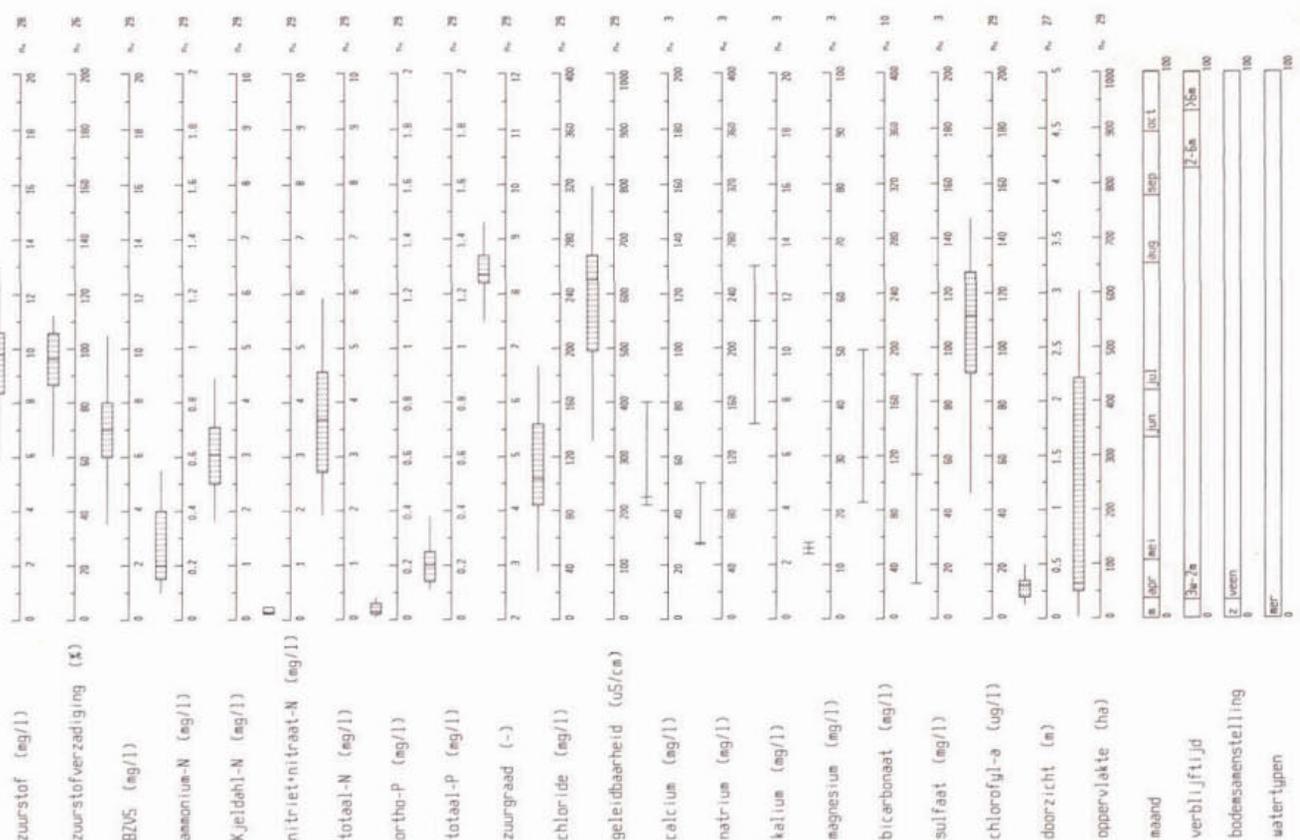


abundantie-klasse  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 □ ≥ 500 ind./ml

**stowa**  
 Eco-atlas van waterorganismen

Coelastrum sphaericum  
 vangsten : 29  
 locaties : 12  
 hokken : 11  
 watertypen  
 skoten  
 stromende wateren  
 karolen  
 mieren  
 zand-, grind- en kleigaten

Coelastrum sphaericum



Fytoplankton : Chlorofyceae (groenwieren)

*Crucigenia apiculata*



**stowa**  
Eco-atlas van waterorganismen

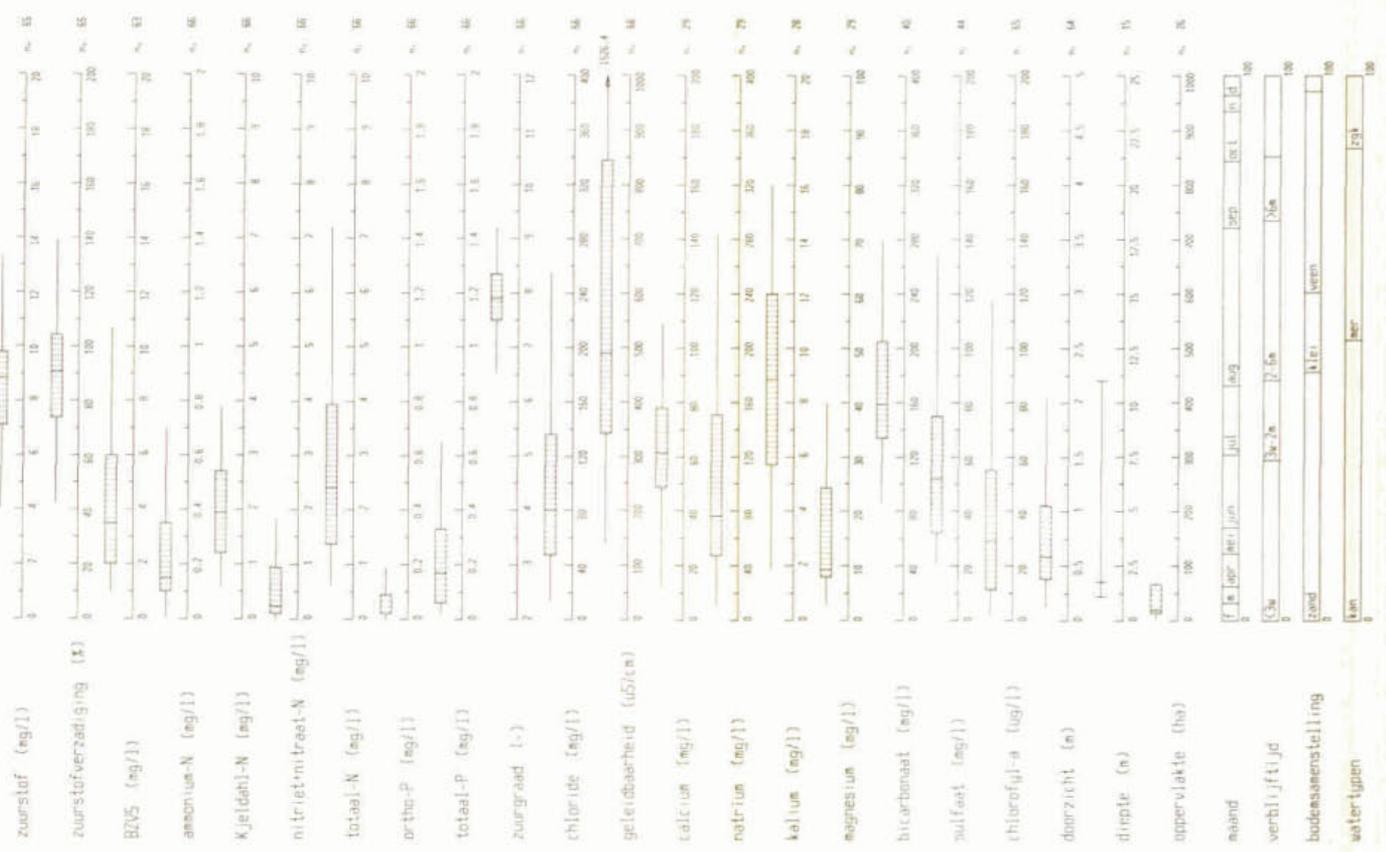
*Crucigenia apiculata*

vangsten : 68  
locaties : 42  
hokken : 38

water typen  
 sloten  
 stromende wateren  
 kanalen

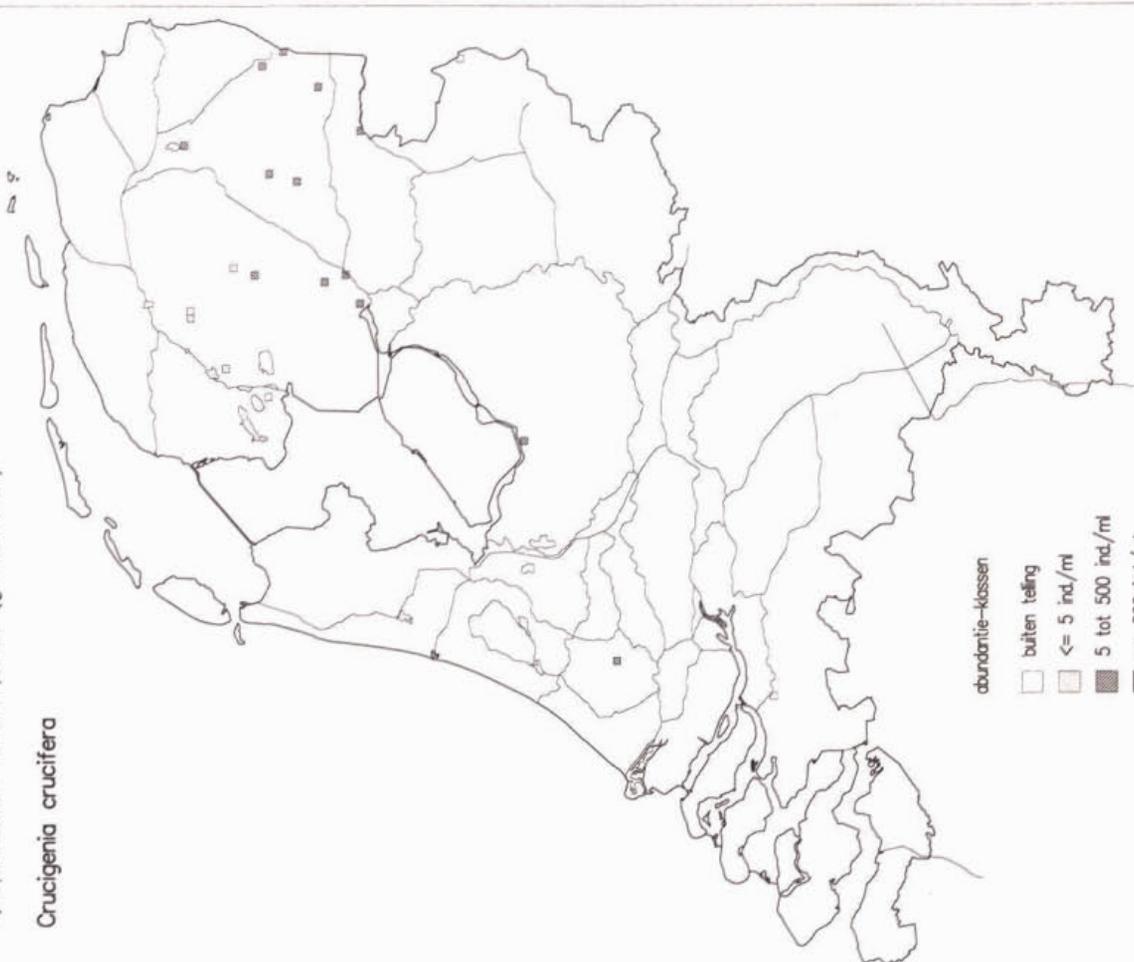
meren  
 zand-, grind- en kleigaten

*Crucigenia apiculata*



Fytoplankton : Chlorofyceae (groenwieren)

Crucigenia crucifera



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

Crucigenia crucifera

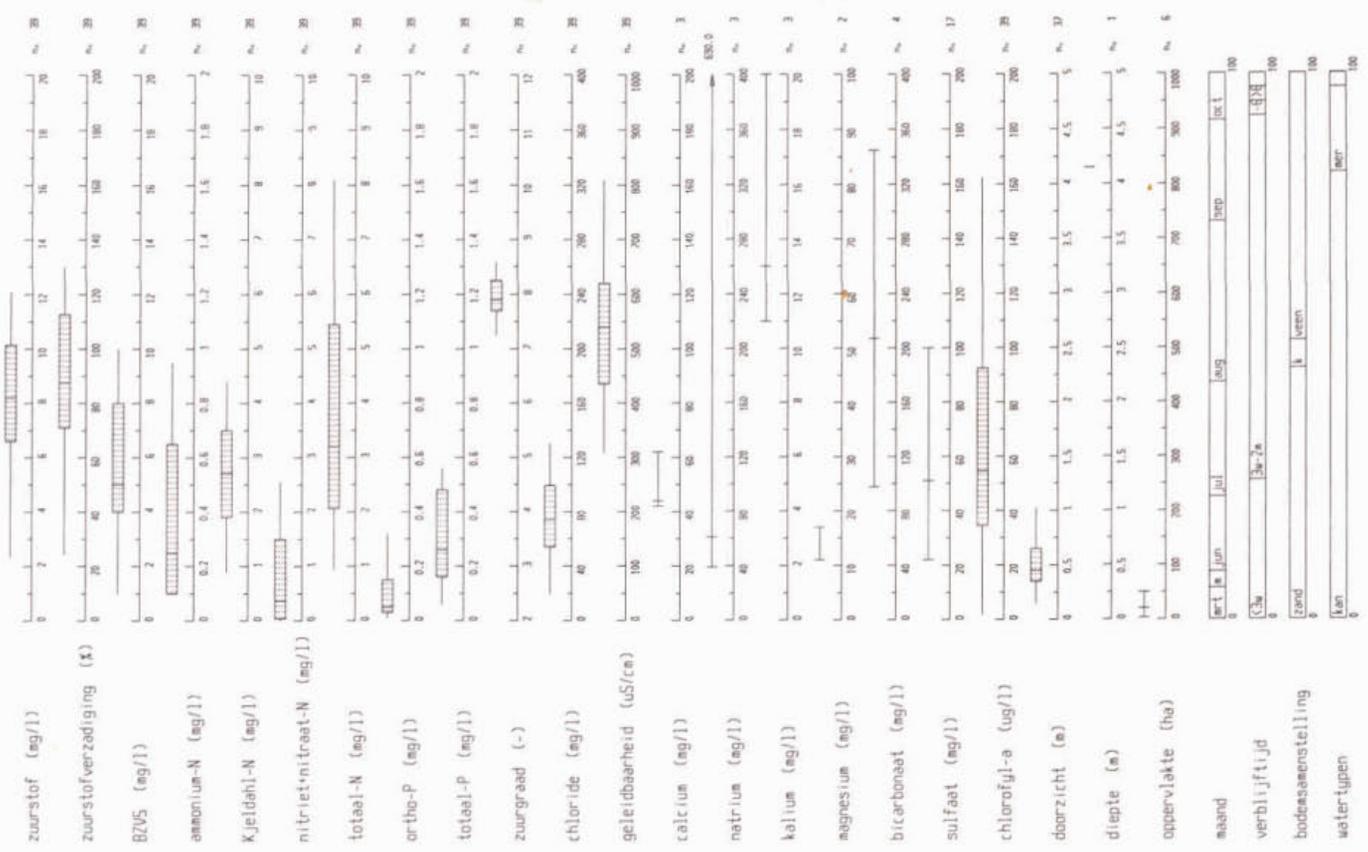
vangsten : 39  
 locaties : 21  
 hokken : 20

watertypen  
 skoten  
 stromende wateren  
 zand-, grind- en kleigaten

mieren



Crucigenia crucifera



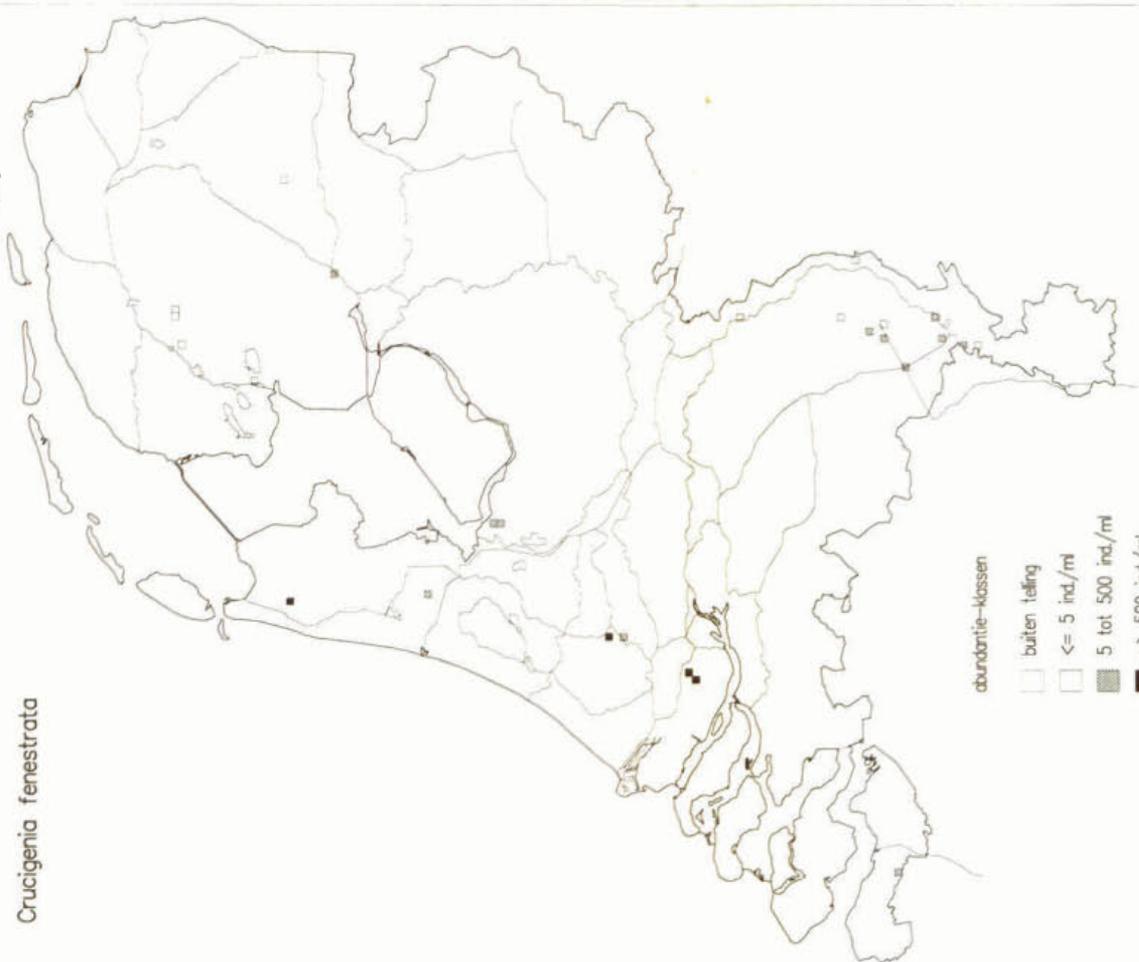
maand:  jun  jul  aug  sep  okt  nov  dec

verblijftijd:  3-4-2m  5-6-2m  7-8-2m

bodasmaentelling:  1  2  3  4  5  6

watertypen:  sk  st  z  g  k

Fytoplankton : Chlorofyceae (groenwieren)  
**Crucigenia fenestrata**

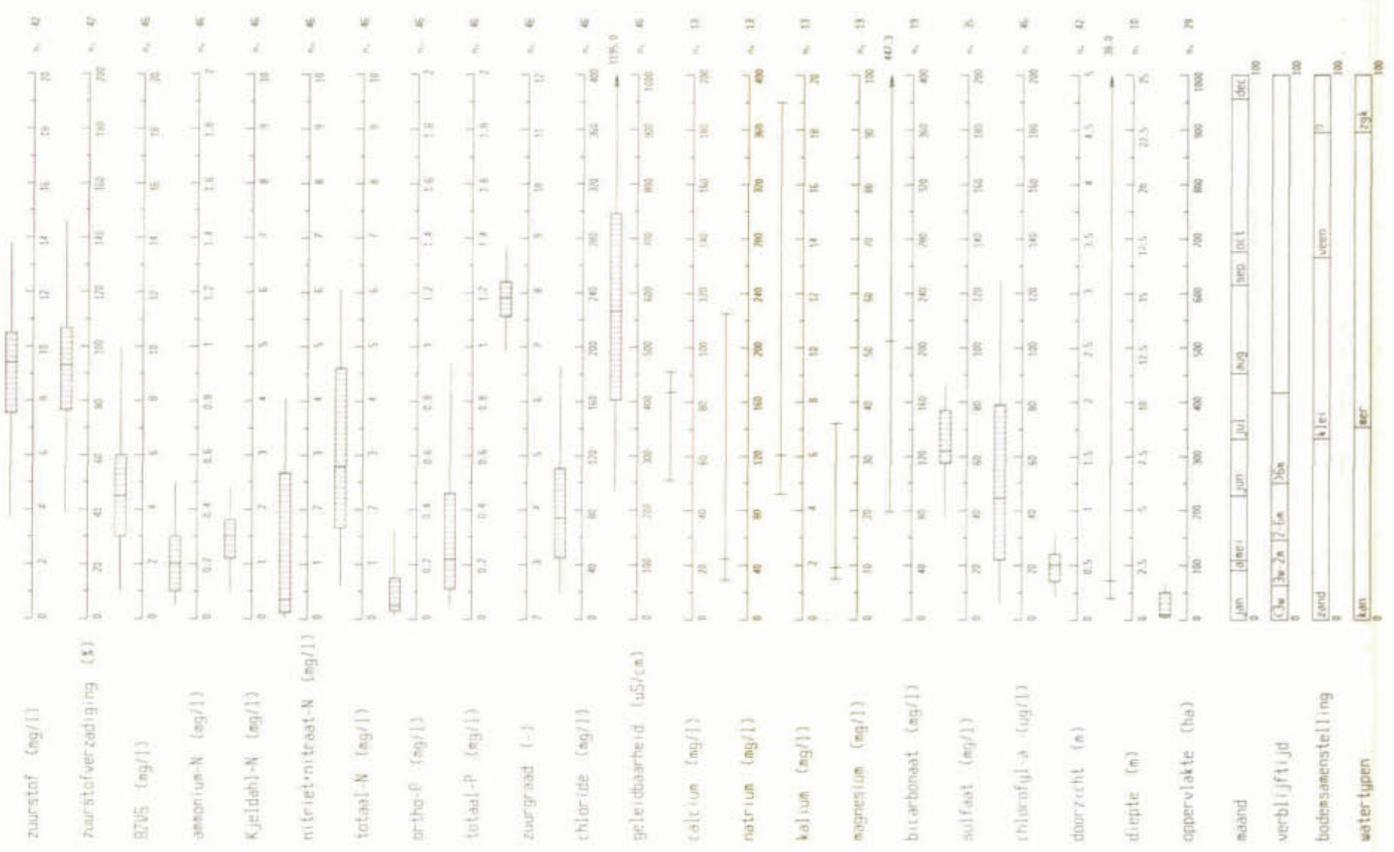


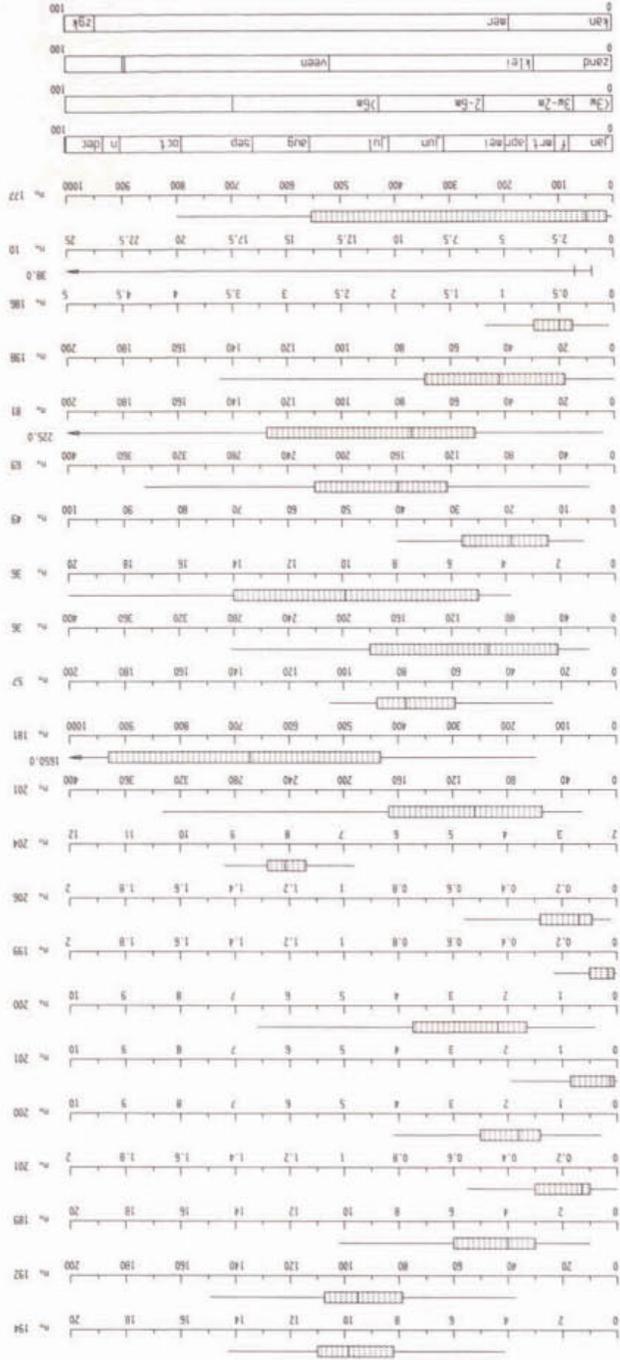
**stowa**  
 Eco-atlas van waterorganismen

vangsten : 48  
 locaties : 27  
 hokken : 27

**Crucigenia fenestrata**  
 skoten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

**Crucigenia fenestrata**





Crucigenia quadrata

zurstof (mg/l)

zurstofverzadiging (%)

BZVS (mg/l)

ammonium-N (mg/l)

Kjeldahl-N (mg/l)

nitratenitraat-N (mg/l)

totaal-N (mg/l)

ortho-P (mg/l)

totaal-P (mg/l)

zuurgraad (-)

chloride (mg/l)

geleidbaarheid (µS/cm)

calcium (mg/l)

natrium (mg/l)

kalium (mg/l)

magnesium (mg/l)

bicarbonaat (mg/l)

sulfaat (mg/l)

chlorofyll-a (µg/l)

doorzicht (m)

diepte (m)

oppervlakte (ha)

maand

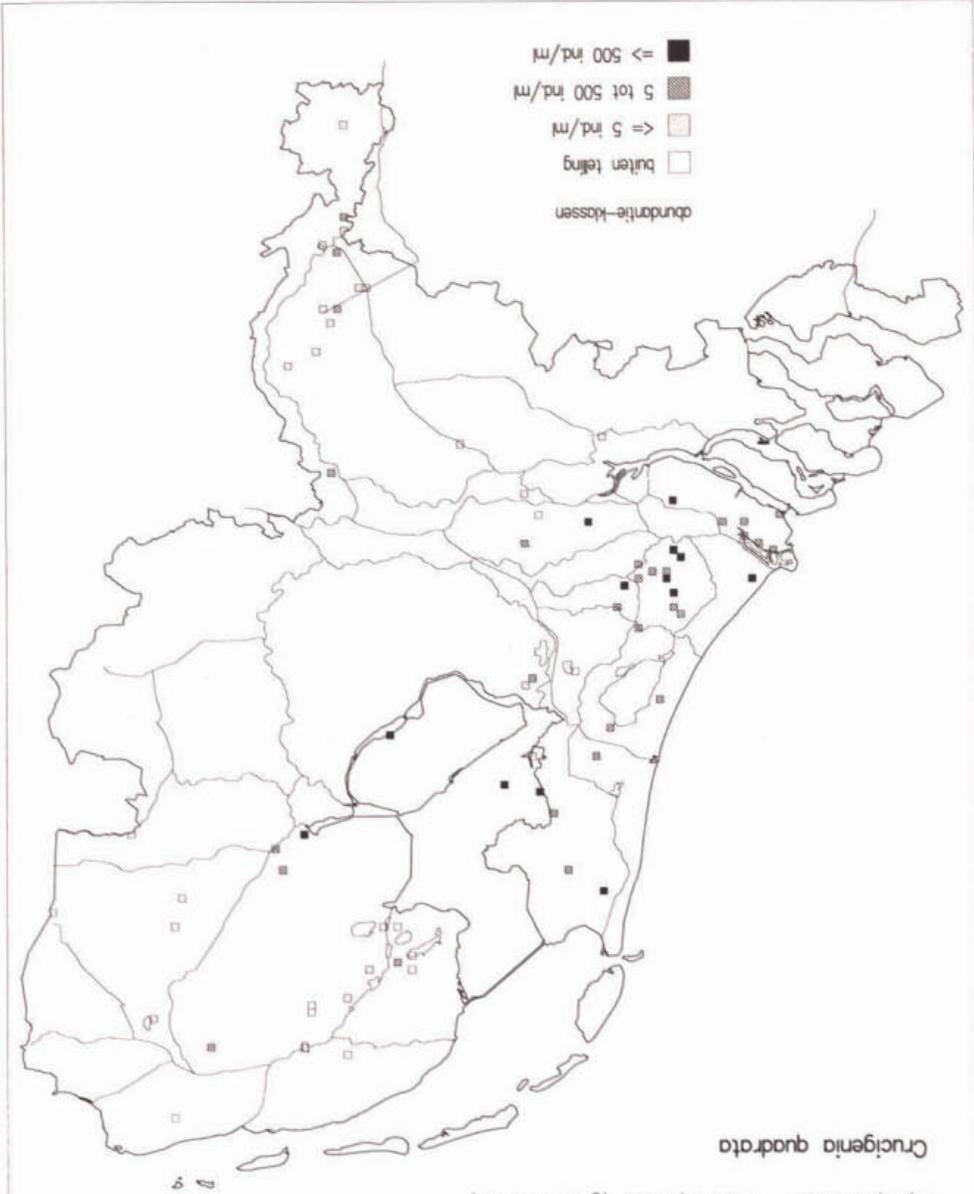
verblijftijd

bodemsamenstelling

watertypen

Crucigenia quadrata

Fytoplankton : Chlorofyceae (groenwieren)



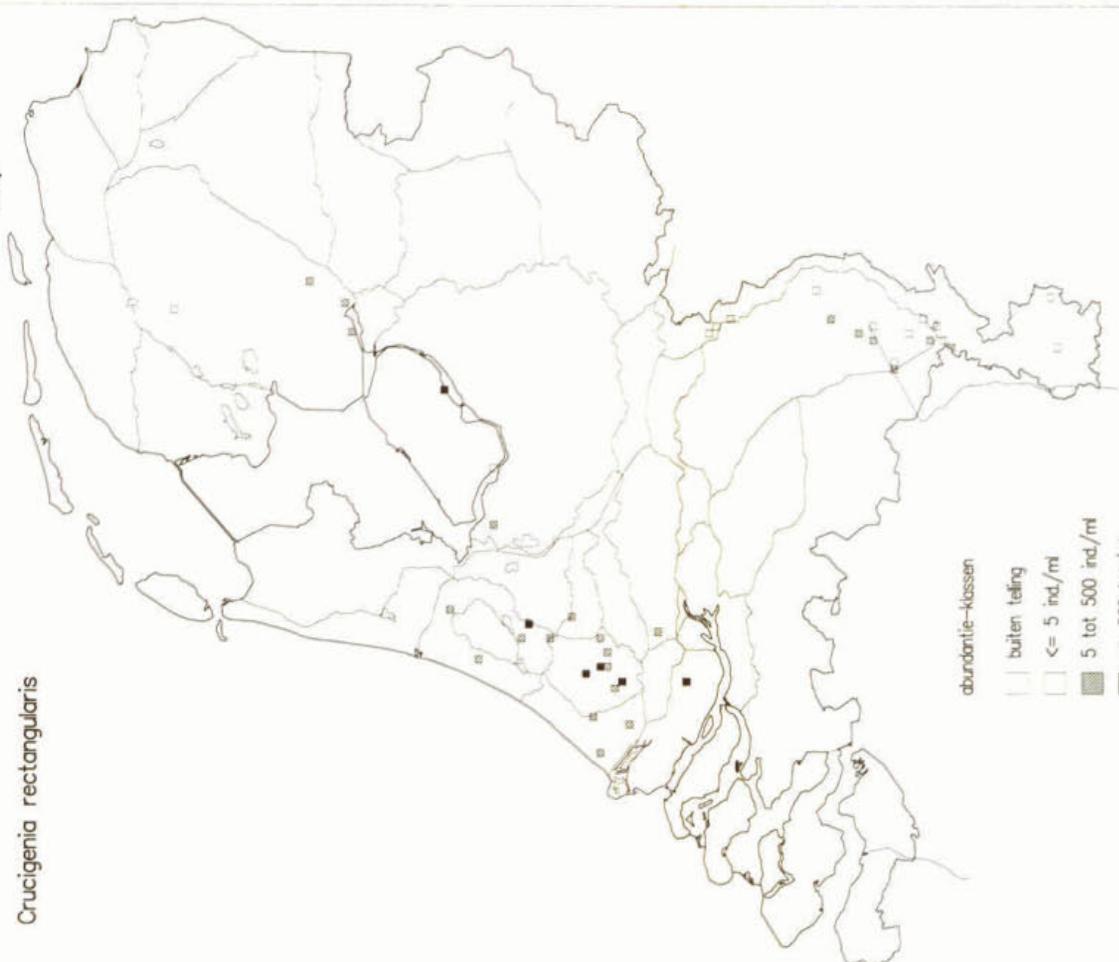
Crucigenia quadrata

watertypen  sloten  meren   
 stromende wateren  zand- en grind-meren  kanden  kleigaten

Crucigenia quadrata  
 hokken : 75  
 locations : 78  
 vangsten : 223  
 Eco-atlas van waterorganismen

Fytoplankton : Chlorofyceae (groenwieren)

*Crucigenia rectangularis*



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ▨ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml



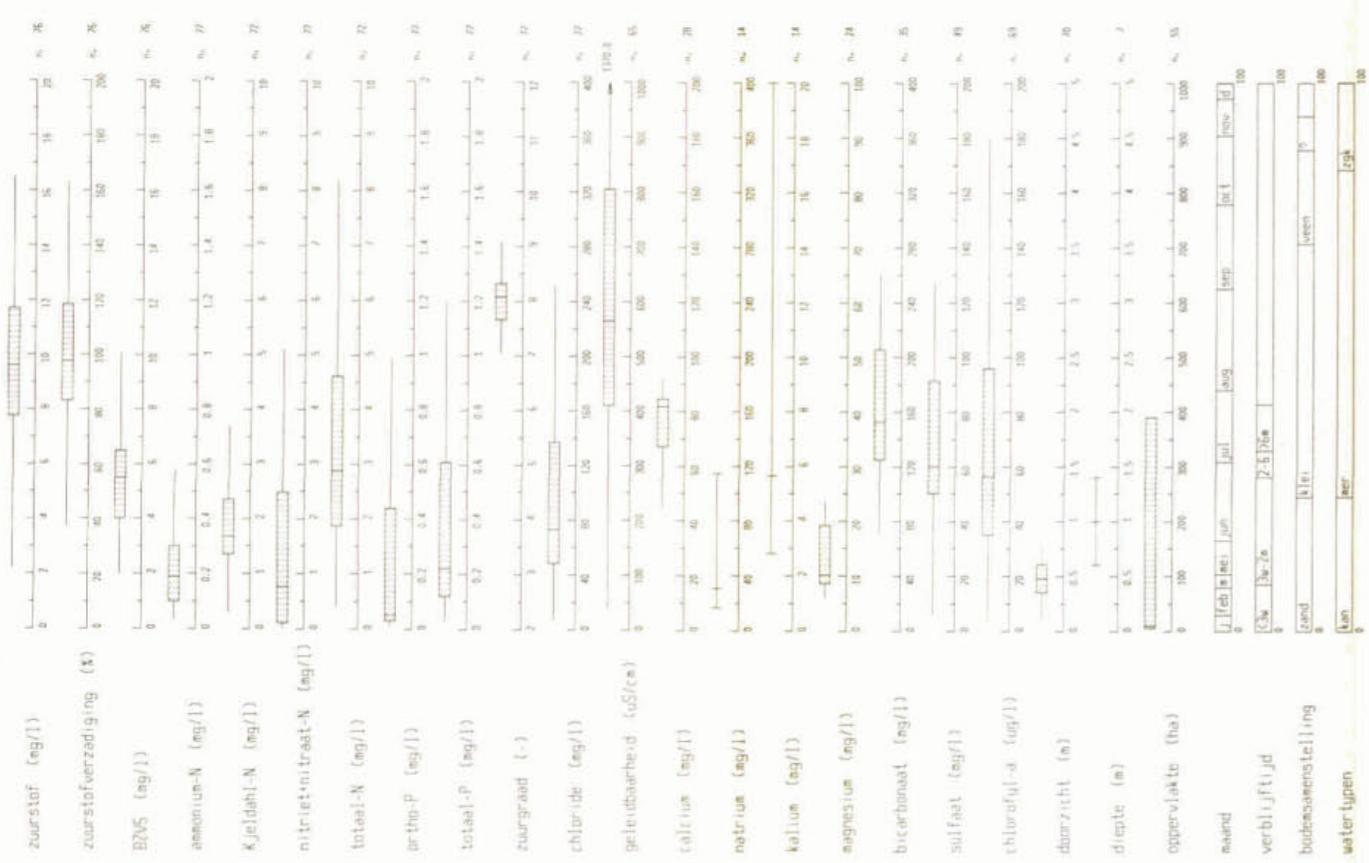
Eco-atlas van waterorganismen

*Crucigenia rectangularis*

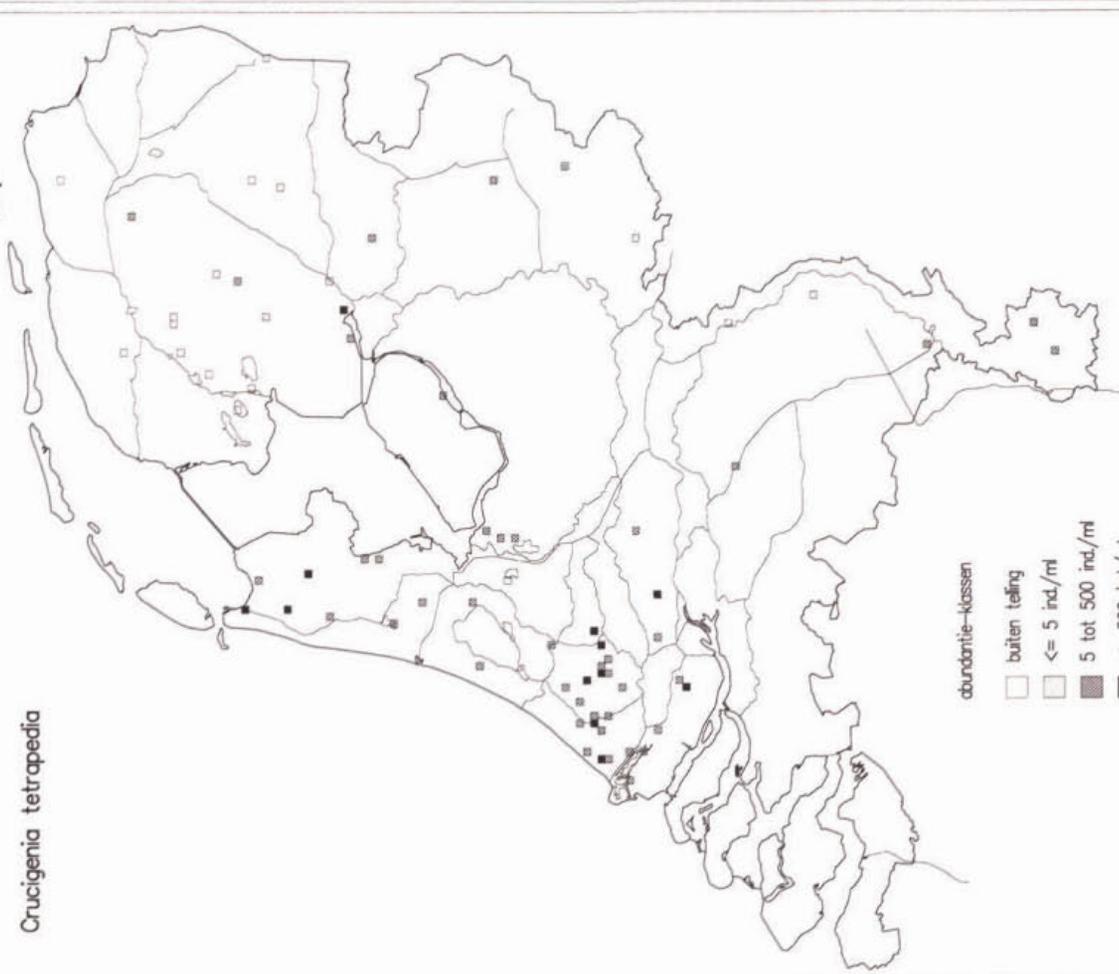
vangsten : 82  
 locaties : 47  
 holken : 44

water-typen  
 □ sloten  
 □ stromende wateren  
 □ zand-, grind- en kleipaten

*Crucigenia rectangularis*



Fytoplankton : Chlorofyceae (groenwieren)  
Crucigenia tetrapedia

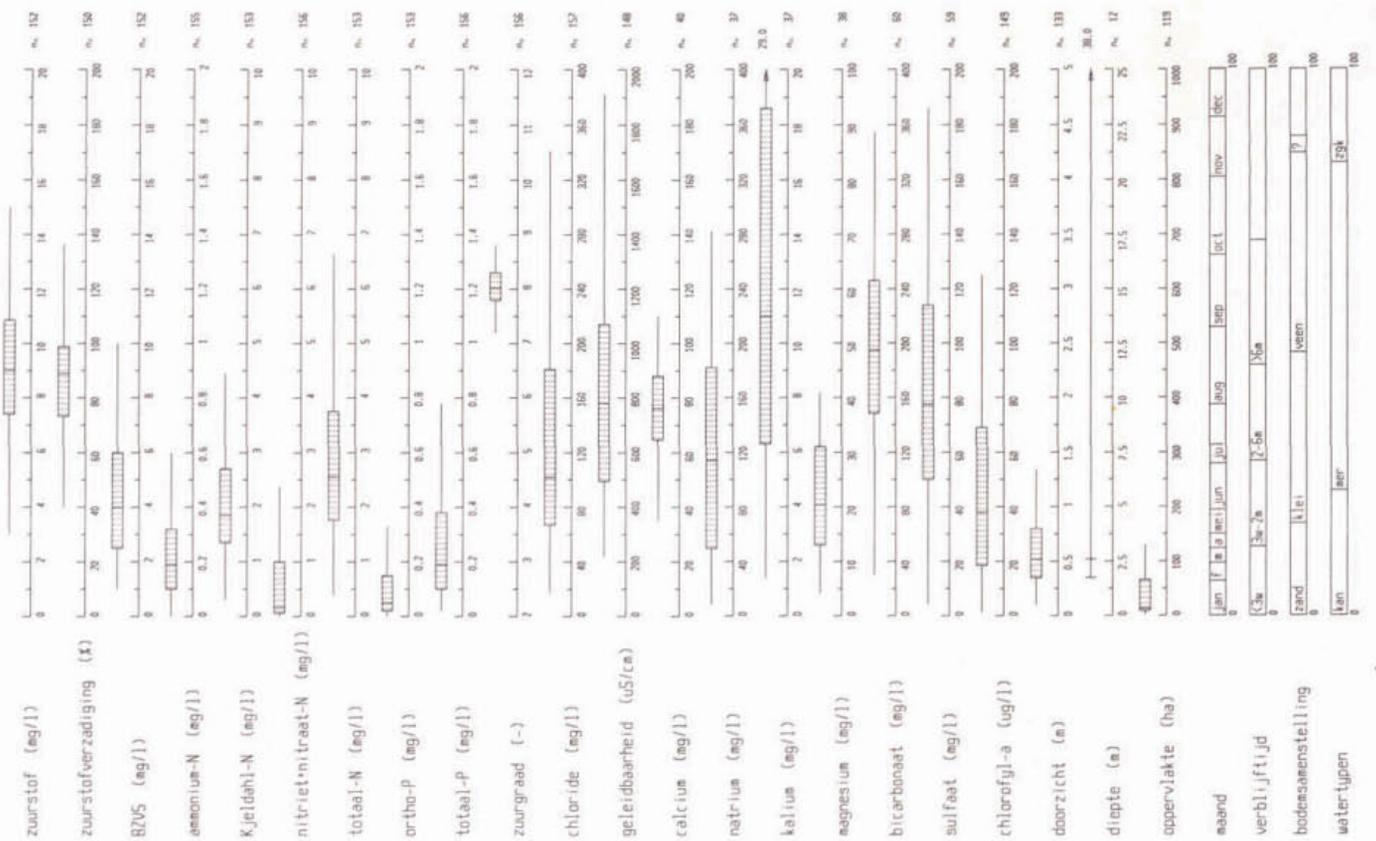


**stowa**  
Eco-atlas van waterorganismen

Crucigenia tetrapedia

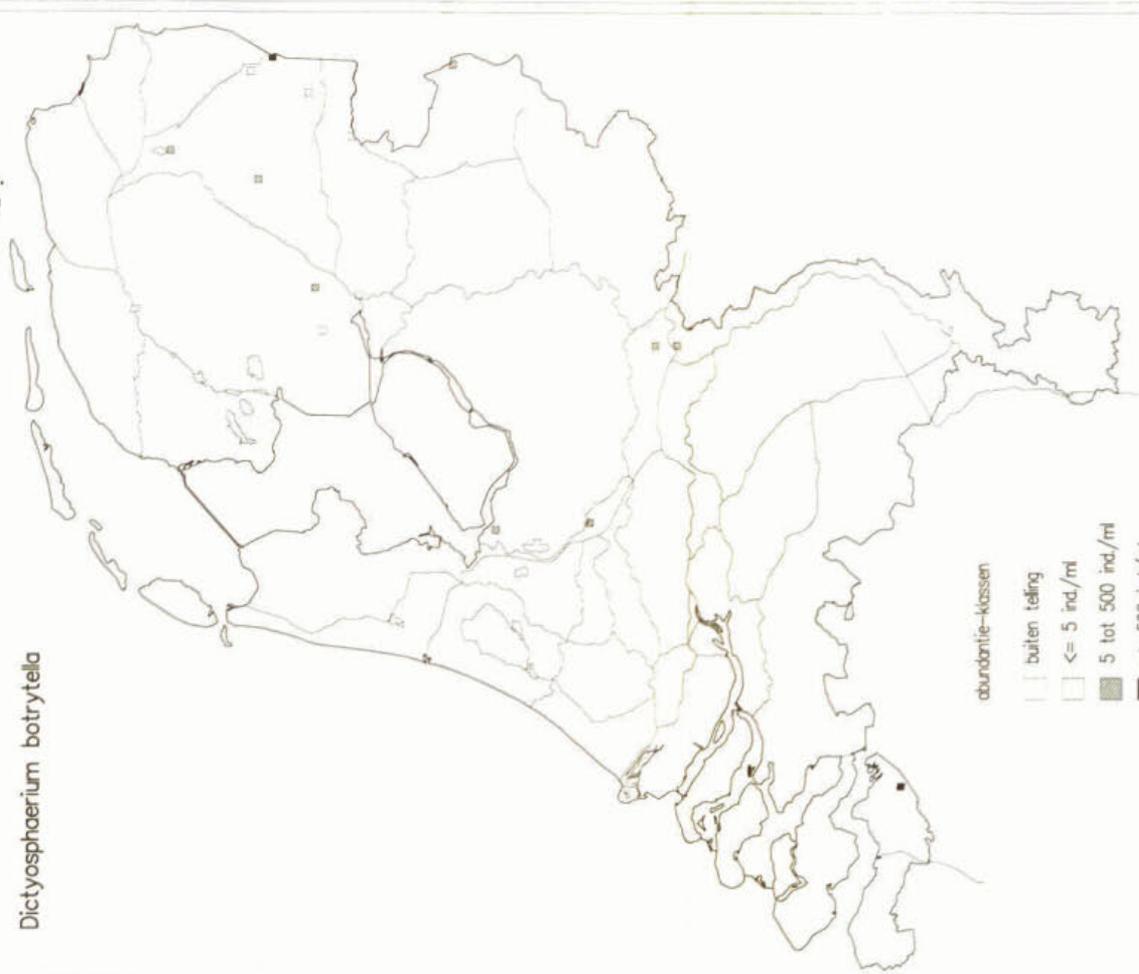
vangsten : 166	water-typen	<input type="checkbox"/> sloten	<input checked="" type="checkbox"/> meren
localities : 78		<input type="checkbox"/> stromende wateren	<input checked="" type="checkbox"/> zand-, grind- en kleigaten
hokken : 74		<input checked="" type="checkbox"/> kanden	

Crucigenia tetrapedia



Fytoplankton : Chlorofyceae (groenwieren)

Dictyosphaerium botryella



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

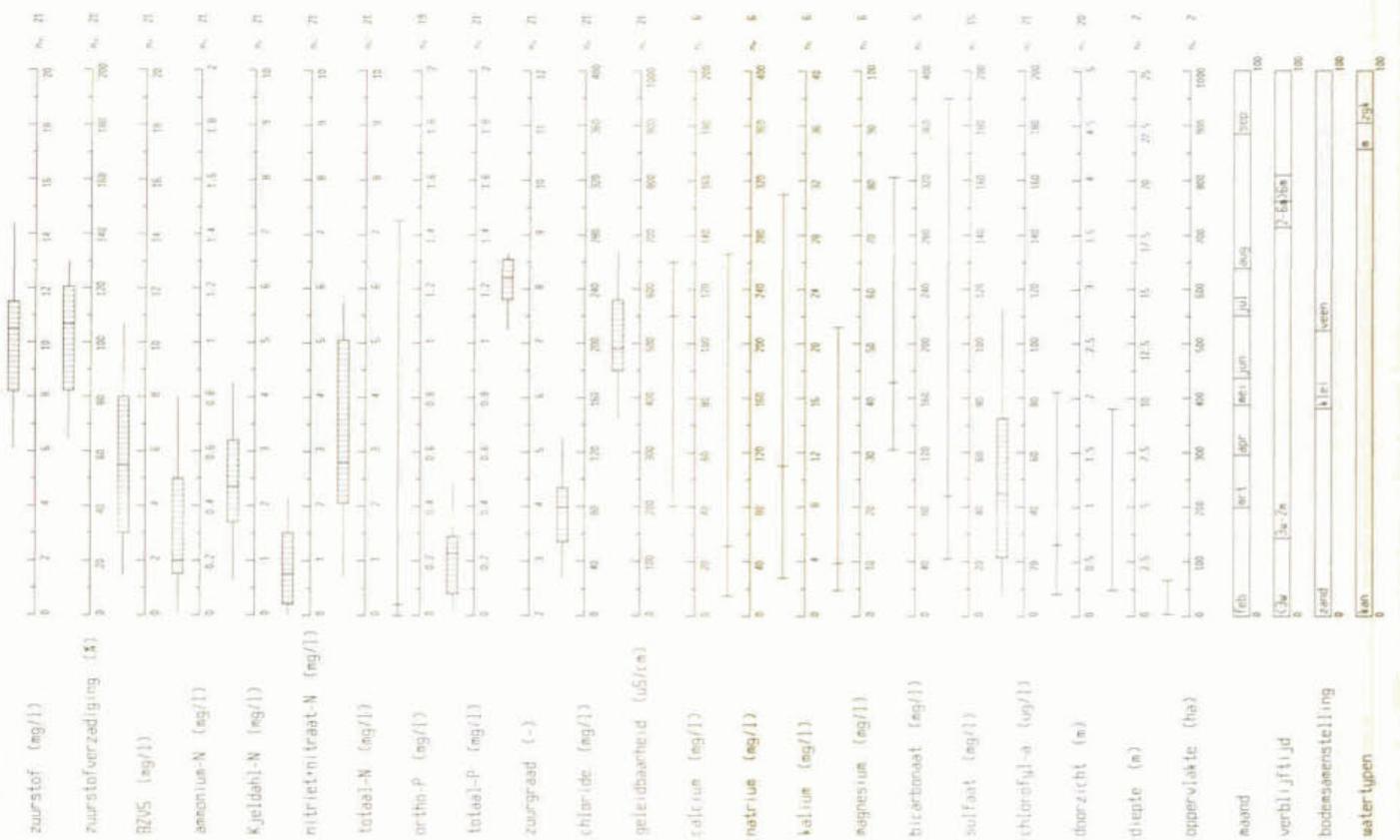
Dictyosphaerium botryella

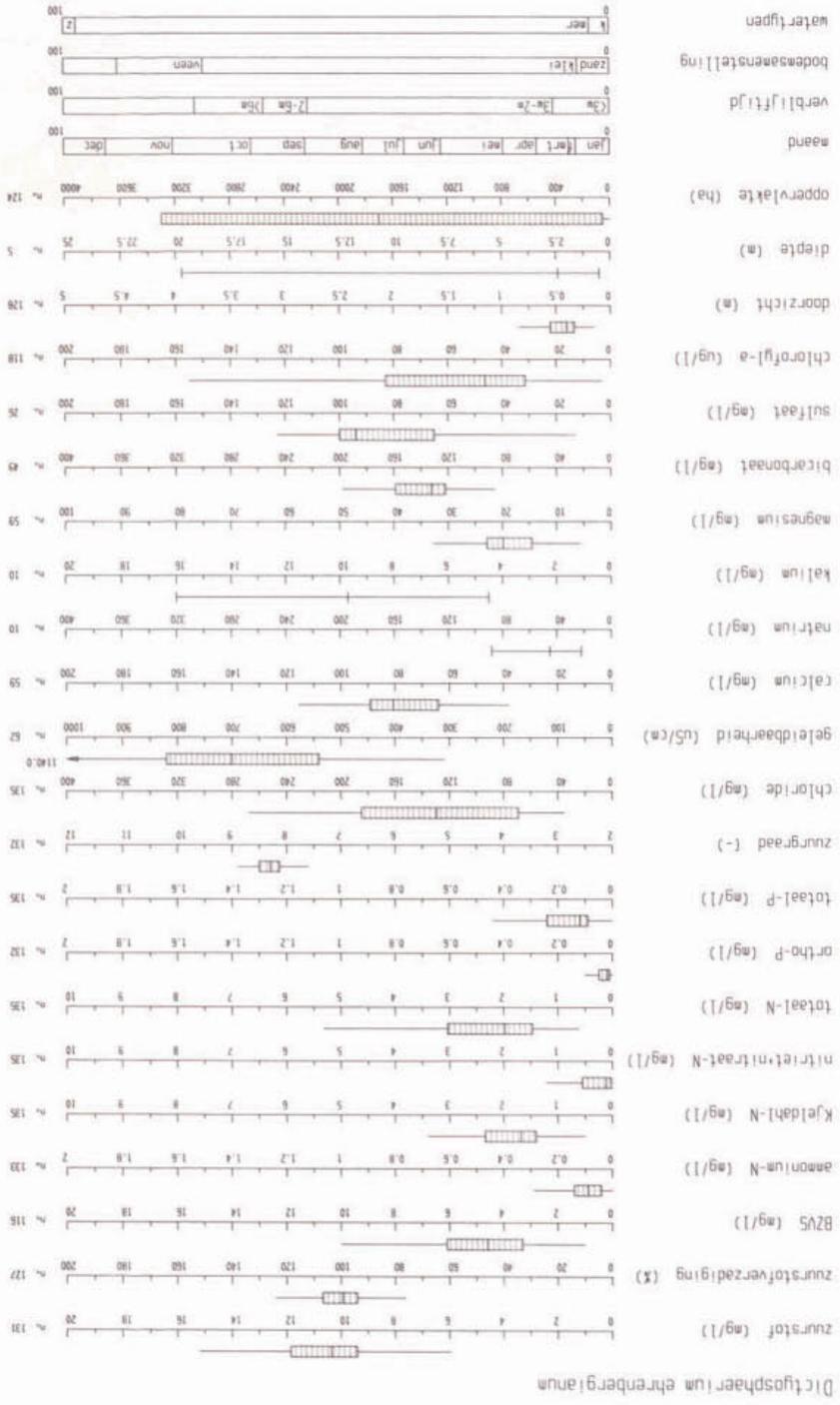
watertypen □ sluizen □ stromende wateren □ kanalen □ meren  
 vangsten : 21  
 locaties : 15  
 hokken : 15



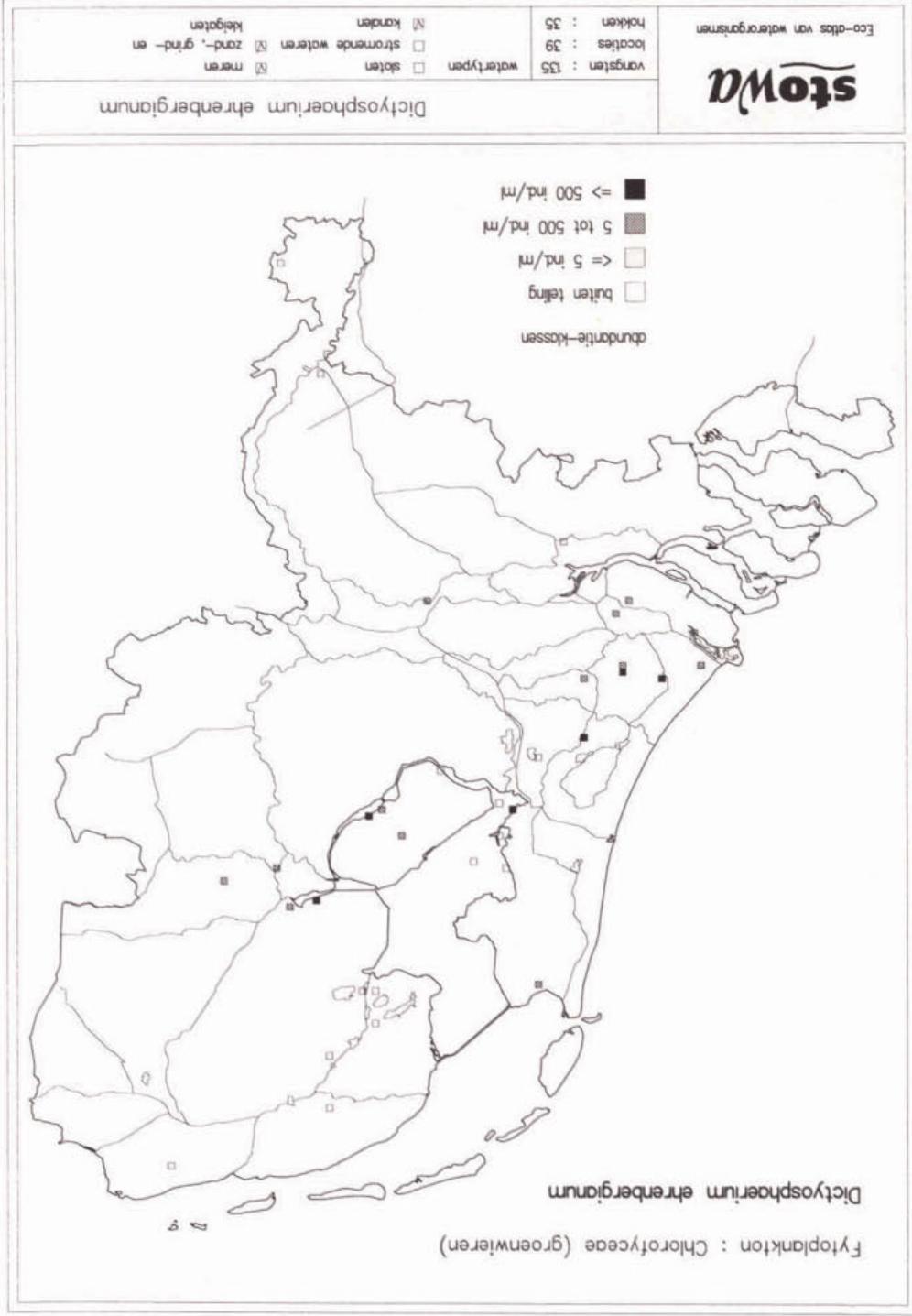
Eco-atlas van waterorganismen

Dictyosphaerium botryella





Dichtysphaerium ehrenbergianum



Fytoplankton : Chlorofyceae (groenwieren)

Dictyosphaerium pulchellum



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

**stowa**  
Eco-atlas van waterorganismen

Dictyosphaerium pulchellum

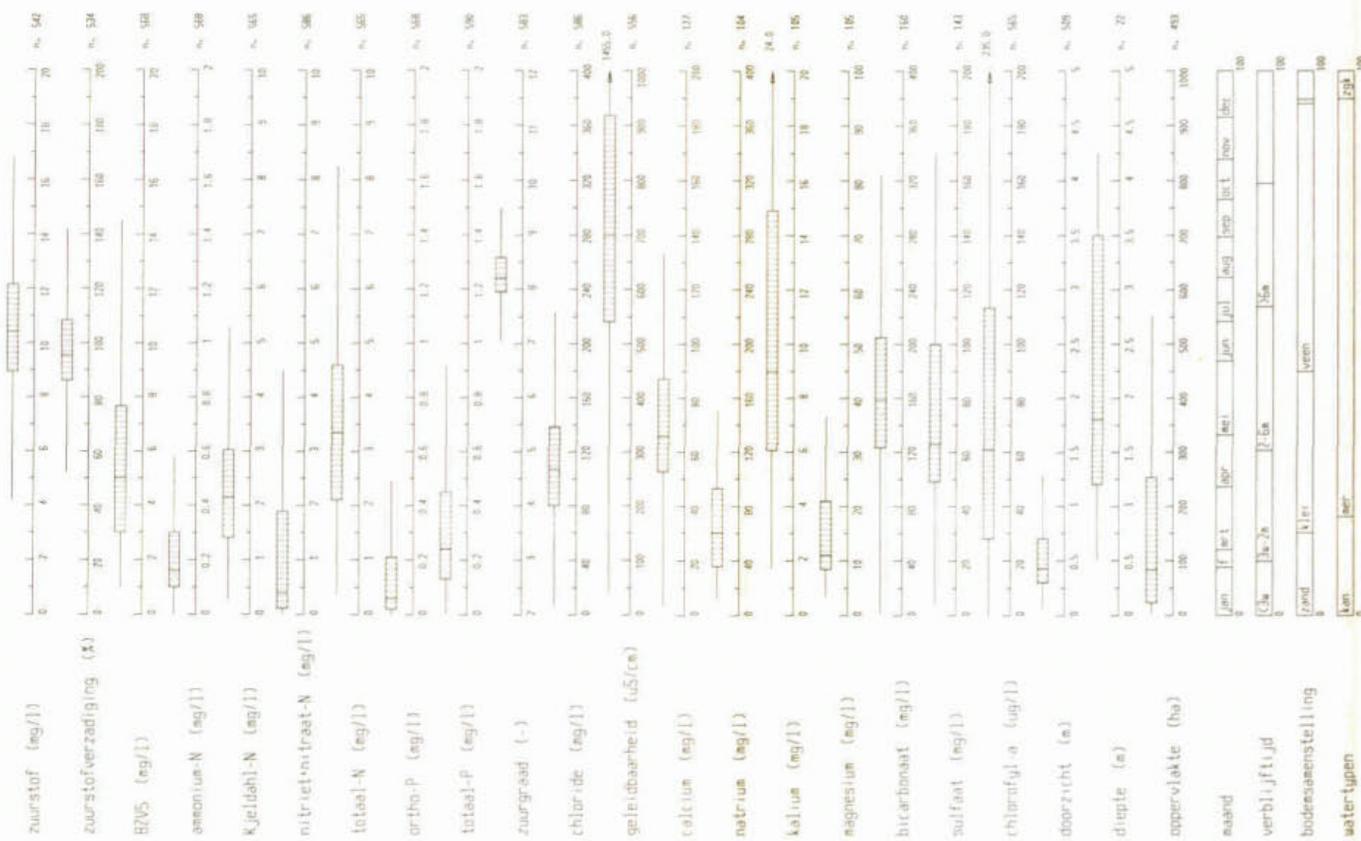
vangsten : 618  
localities : 134  
hokken : 129

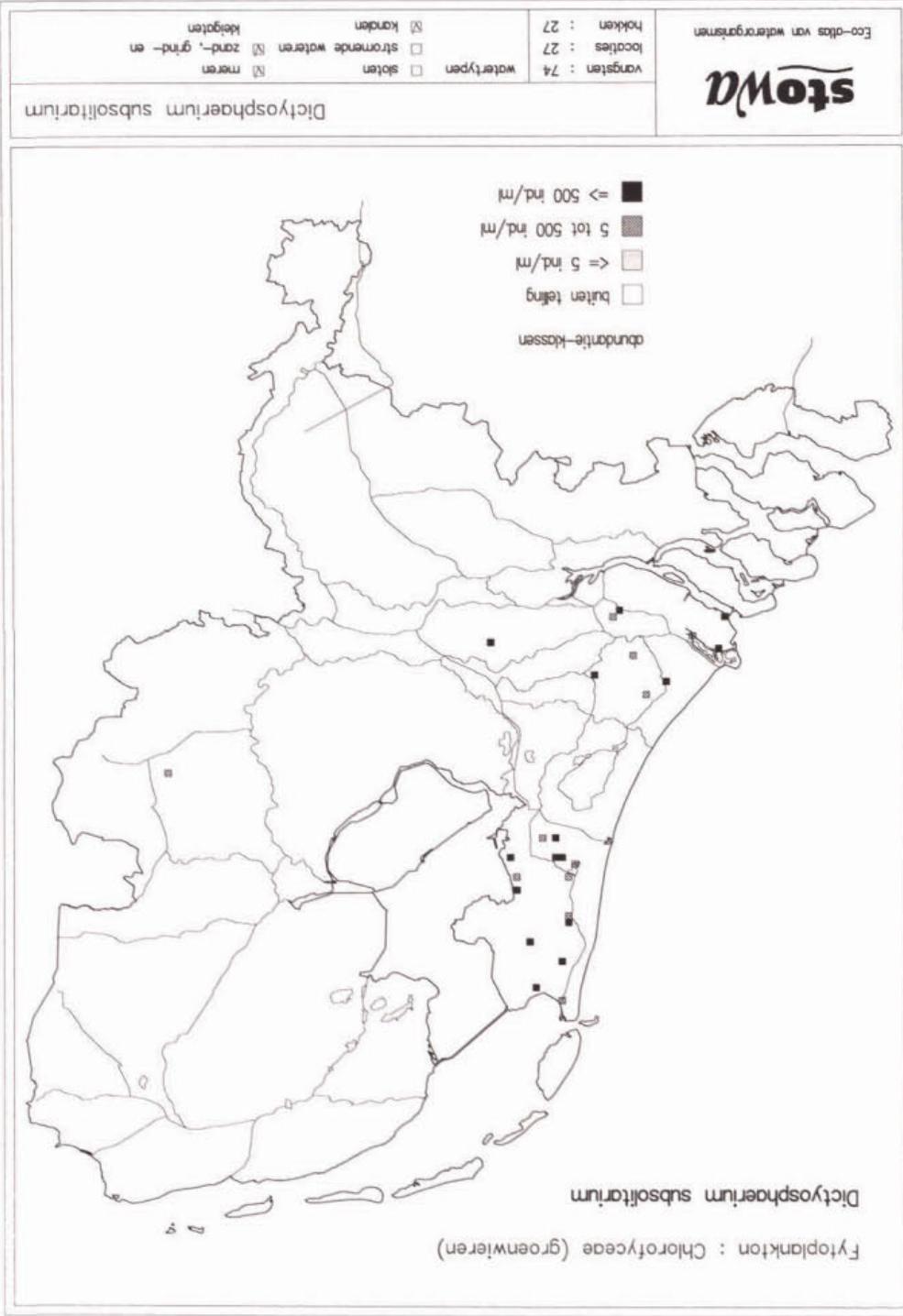
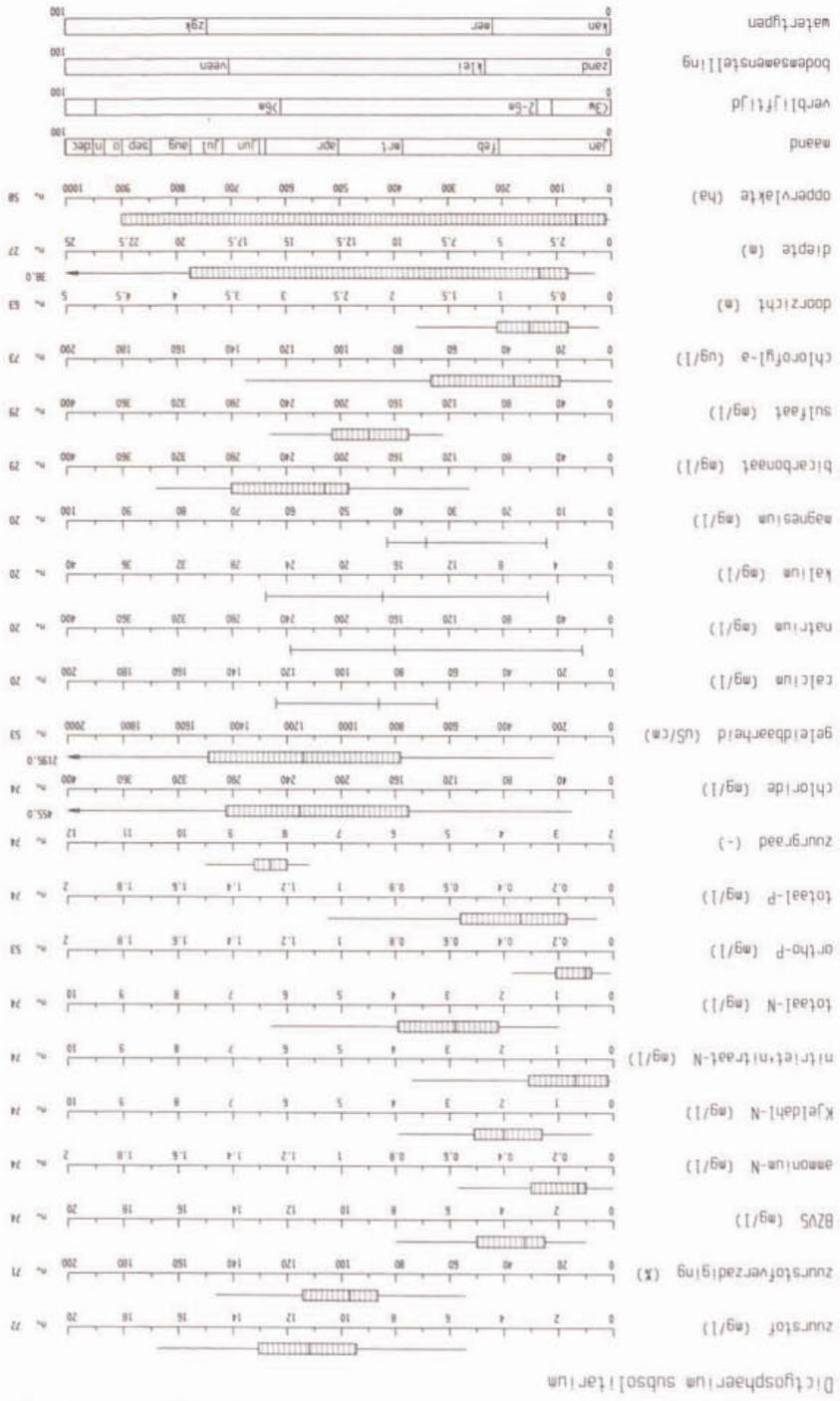
water-typen

silt  
 stromende wateren  
 zand-, grind- en kleigaten

meren  
 kanalen

Dictyosphaerium pulchellum



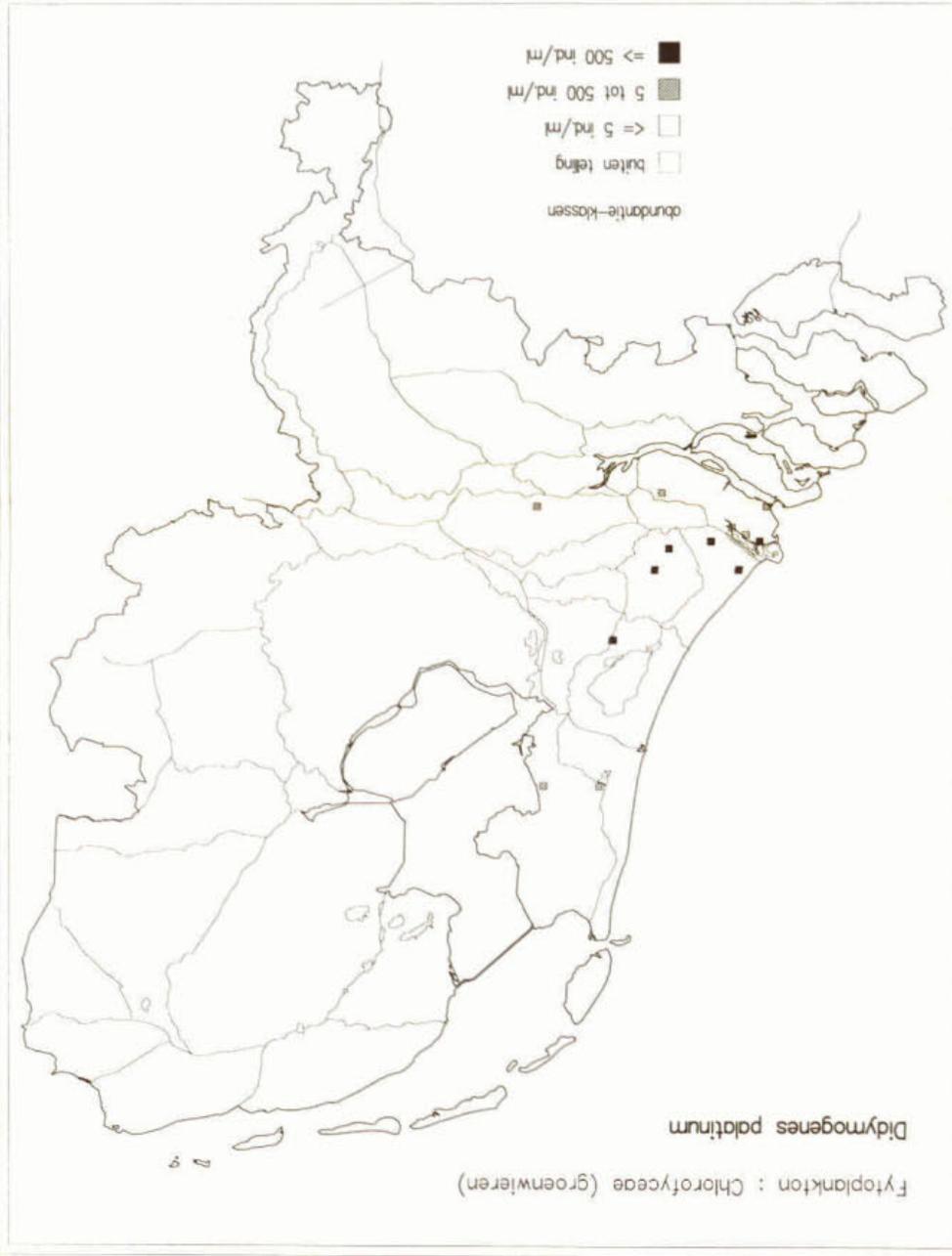


Didymogenes palatinum

sloten  
 stromende wateren  
 zand-, grind- en kleigaten  
 koudwater  
 sloten  
 stromende wateren  
 zand-, grind- en kleigaten

vngstten : 22  
 locaties : 15  
 hokken : 14

dourantie-kossen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 >= 500 ind./ml



Fytoplankton : Chlorofyceae (groenwieren)

Didymogenes palatinum

Didymogenes palatinum

zuurstof (mg/l)

zuurstofverzadiging (%)

BZVS (mg/l)

ammonium-N (mg/l)

kleidahl-N (mg/l)

nitriet/nitraat-N (mg/l)

totaal-N (mg/l)

ortho-P (mg/l)

totaal-P (mg/l)

zuurgraad (-)

chloride (mg/l)

geleidbaarheid (µS/cm)

calcium (mg/l)

natrium (mg/l)

kalium (mg/l)

magnesium (mg/l)

bicarbonaat (mg/l)

sulfaat (mg/l)

chlorofyl-a (µg/l)

doorzicht (m)

diepte (m)

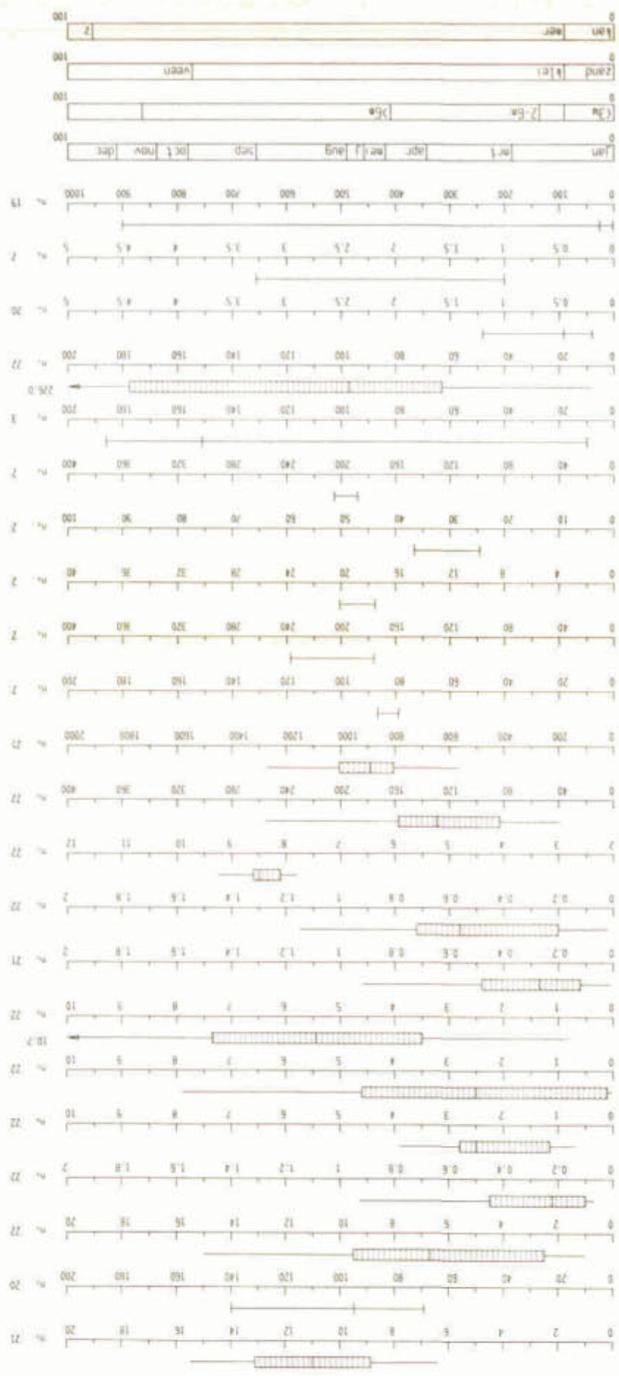
oppervlakte (ha)

maand

verbliftijd

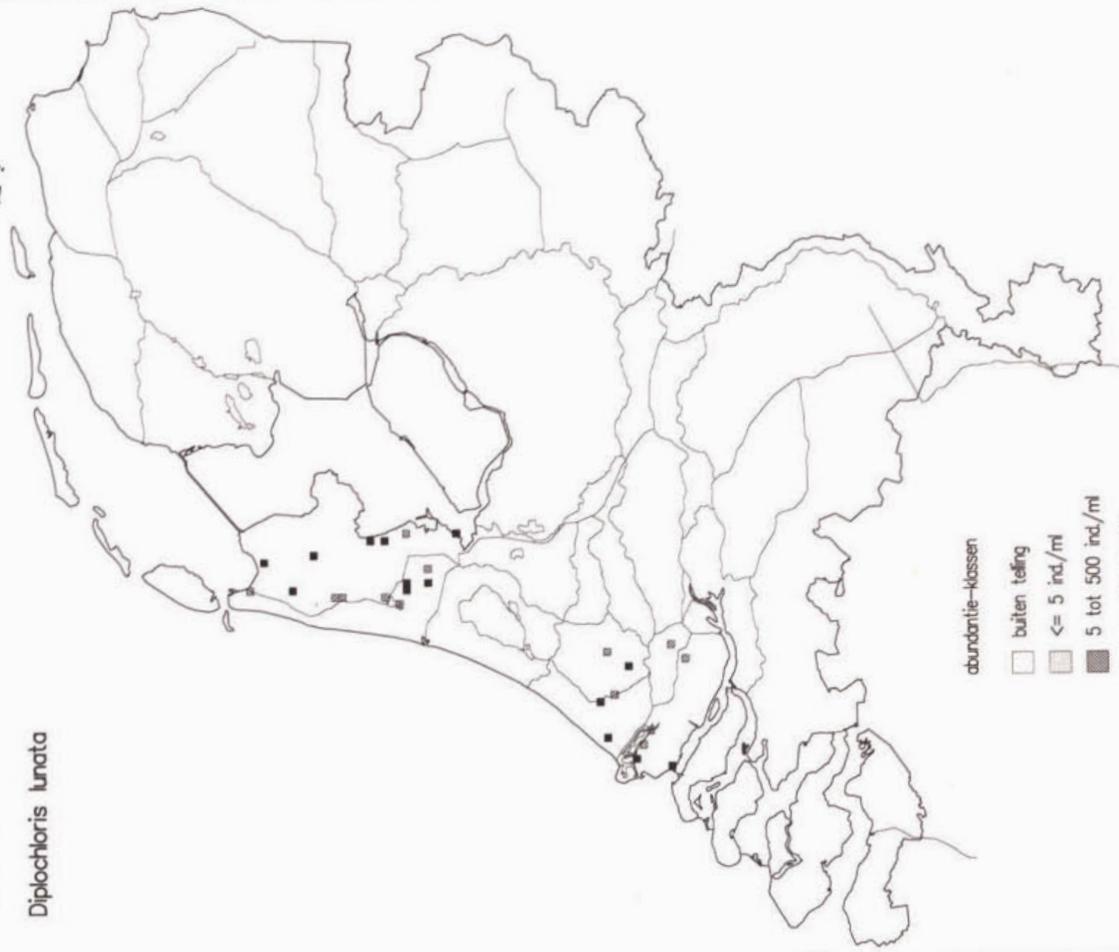
bodemsamenstelling

watertypen



Fytoplankton : Chlorofyceae (groenwieren)

Diplochloris lunata



abundantie-klassen  
 □ buiten telling  
 ◻ ≤ 5 ind./ml  
 ◻ 5 tot 500 ind./ml  
 ◼ => 500 ind./ml

Diplochloris lunata

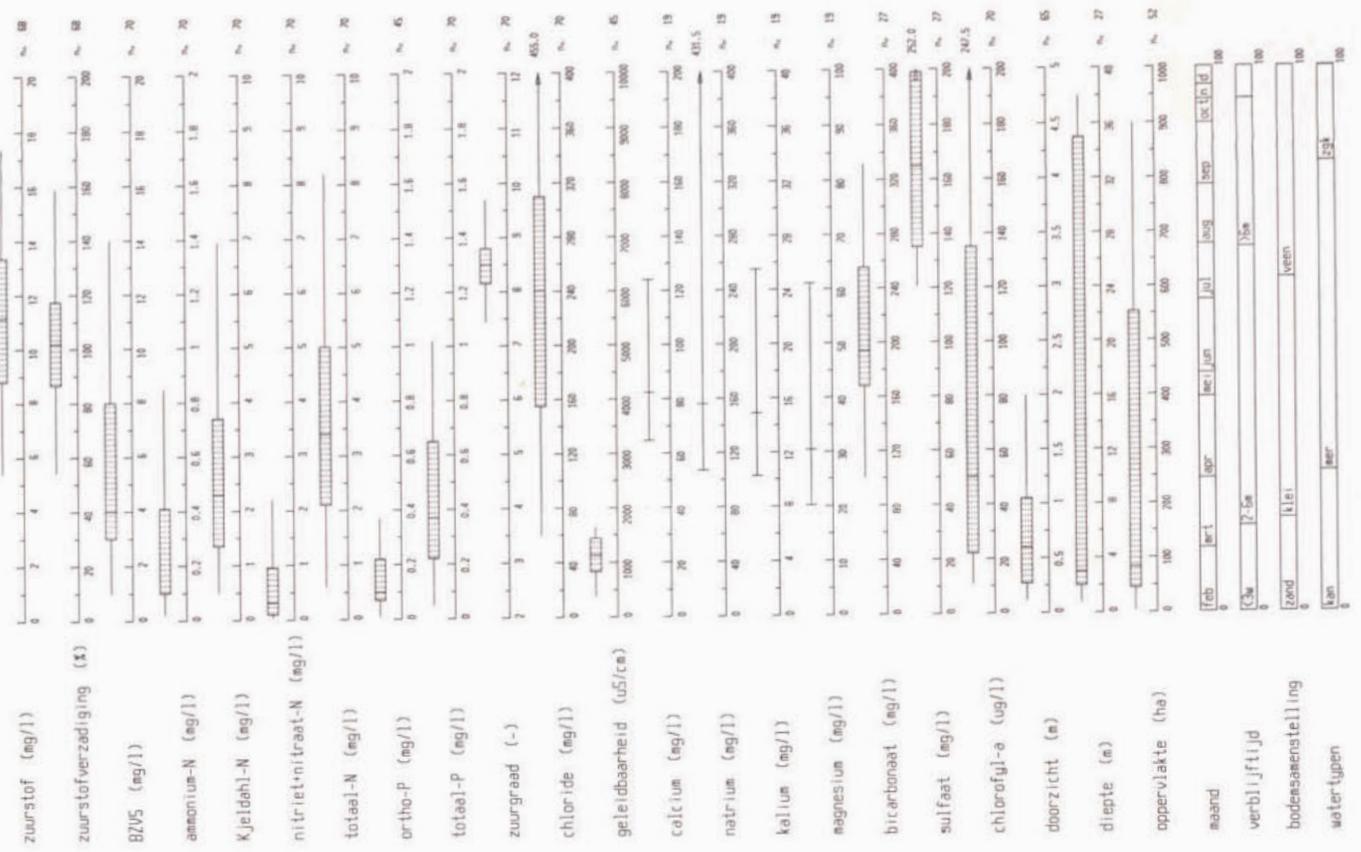
vangsten : 70  
 locaties : 29  
 hokken : 28

waterlichamen  
 □ sloten  
 □ stromende wateren  
 □ zand-, grind- en kleigaten



Eco-atlas van waterorganismen

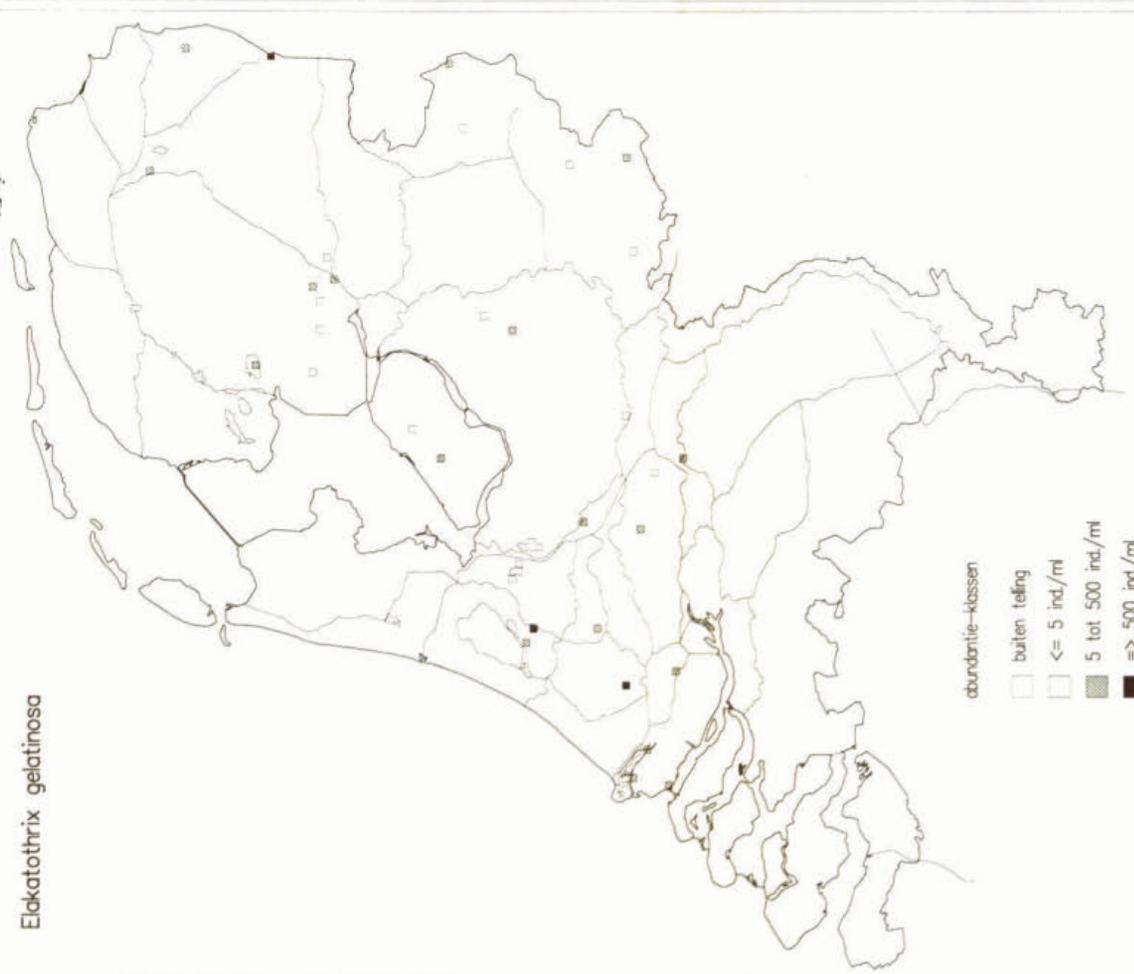
Diplochloris lunata



zuurstof (mg/l)  
 zuurstofverzadiging (%)  
 BZVS (mg/l)  
 ammonium-N (mg/l)  
 Kjeldahl-N (mg/l)  
 nitriet+nitraat-N (mg/l)  
 totaal-N (mg/l)  
 ortho-P (mg/l)  
 totaal-P (mg/l)  
 zuurgraad (-)  
 chloride (mg/l)  
 geleidbaarheid (µS/cm)  
 calcium (mg/l)  
 natrium (mg/l)  
 kalium (mg/l)  
 magnesium (mg/l)  
 bicarbonaat (mg/l)  
 sulfaat (mg/l)  
 chlorofyl-a (µg/l)  
 doorzicht (m)  
 diepte (m)  
 oppervlakte (ha)  
 maand  
 verblijftijd  
 bodemsamenstelling  
 water-typen

Fytoplankton : Chlorofyceae (groenwieren)

Elakatothrix gelatinosa



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

Elakatothrix gelatinosa

vangsten : 62  
 localities : 36  
 hakken : 34

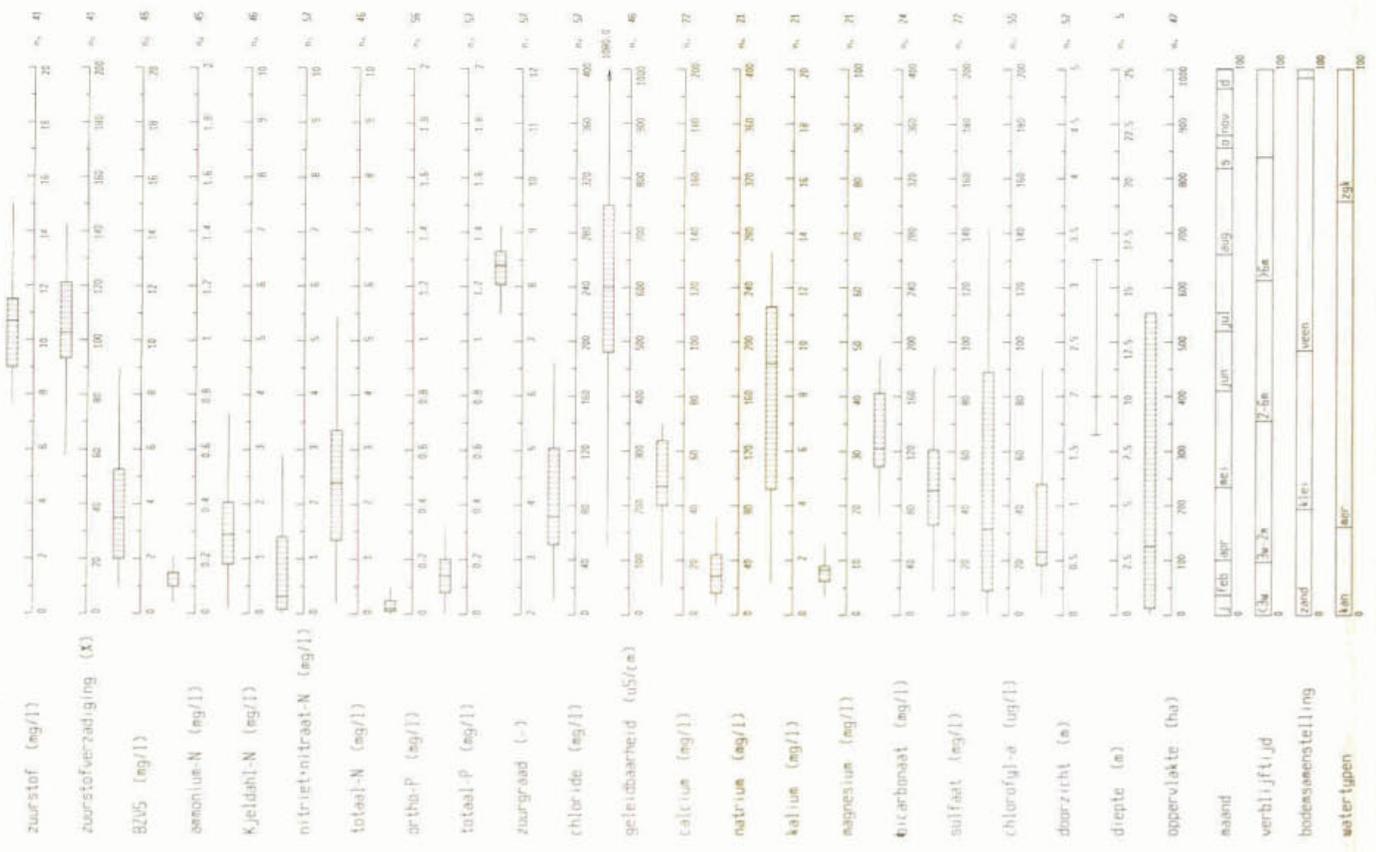
water-typen  
 □ abioten  
 □ stromende wateren  
 □ zand-, grind- en kleigaten

☞ meren  
 ☞ zand-, grind- en kleigaten



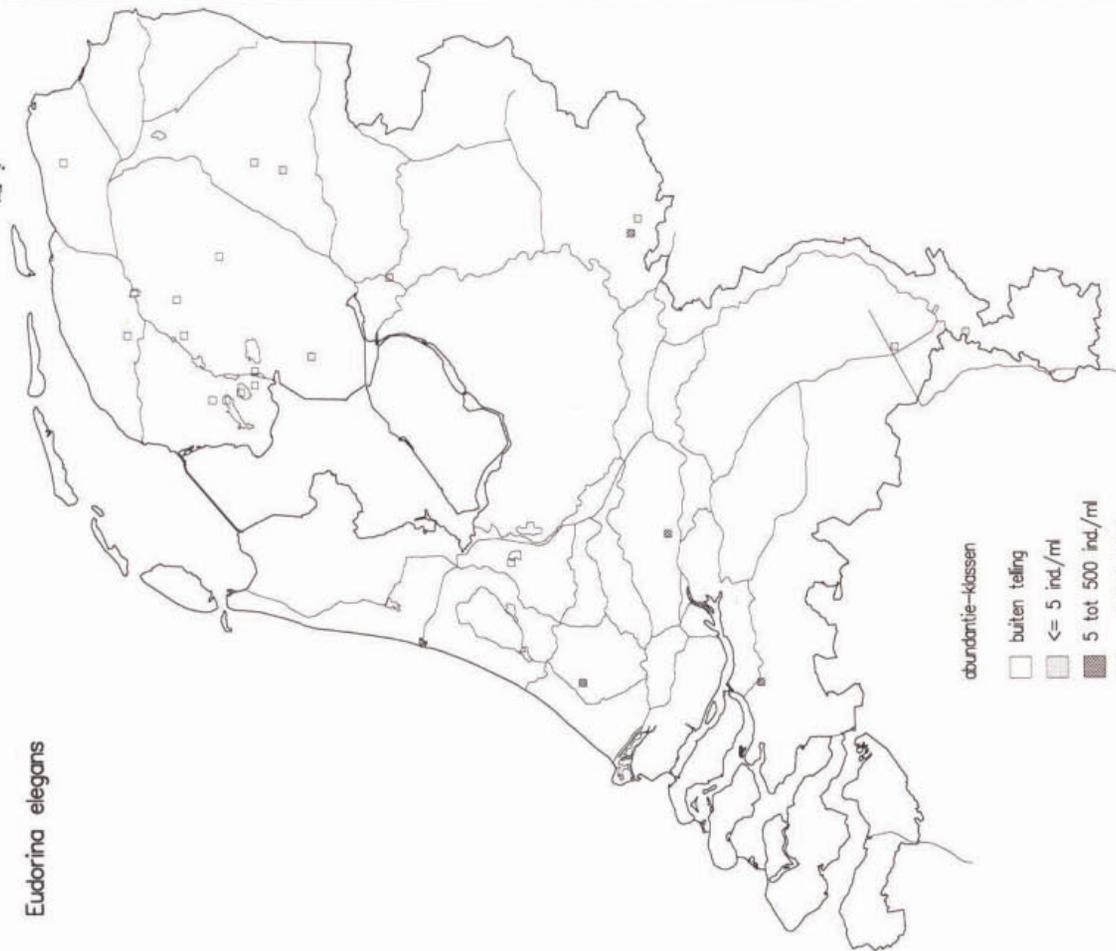
Eco-atlas van waterorganismen

Elakatothrix gelatinosa



Fytoplankton : Chlorofyceae (groenwieren)

**Eudorina elegans**



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

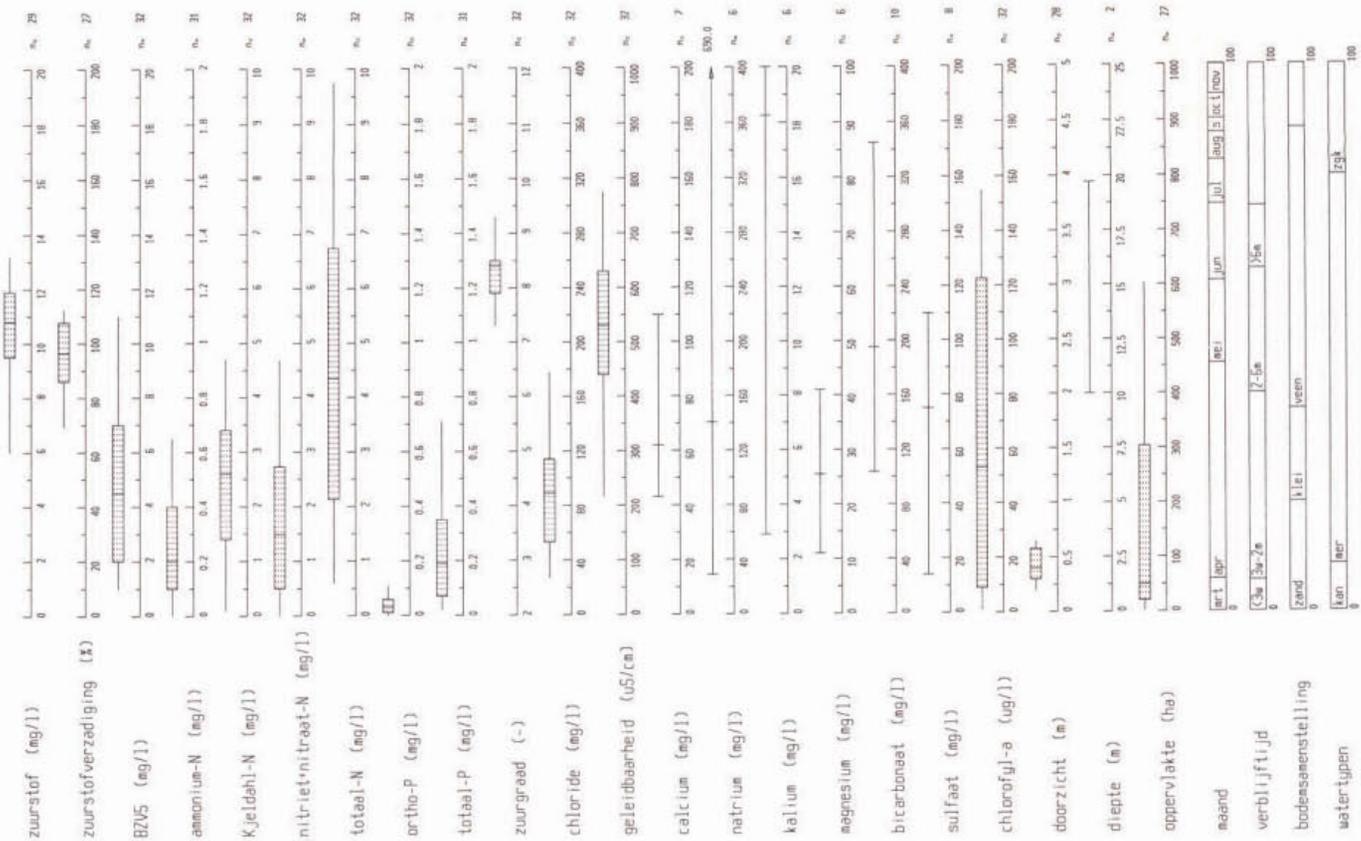
vangsten : 35  
 localities : 24  
 hokken : 24

waterrijke  sloten  meren   
 stromende wateren  zand-, grind- en kleigaten   
 sloten  kanalen

**stowa**  
 Eco-atlas van waterorganismen

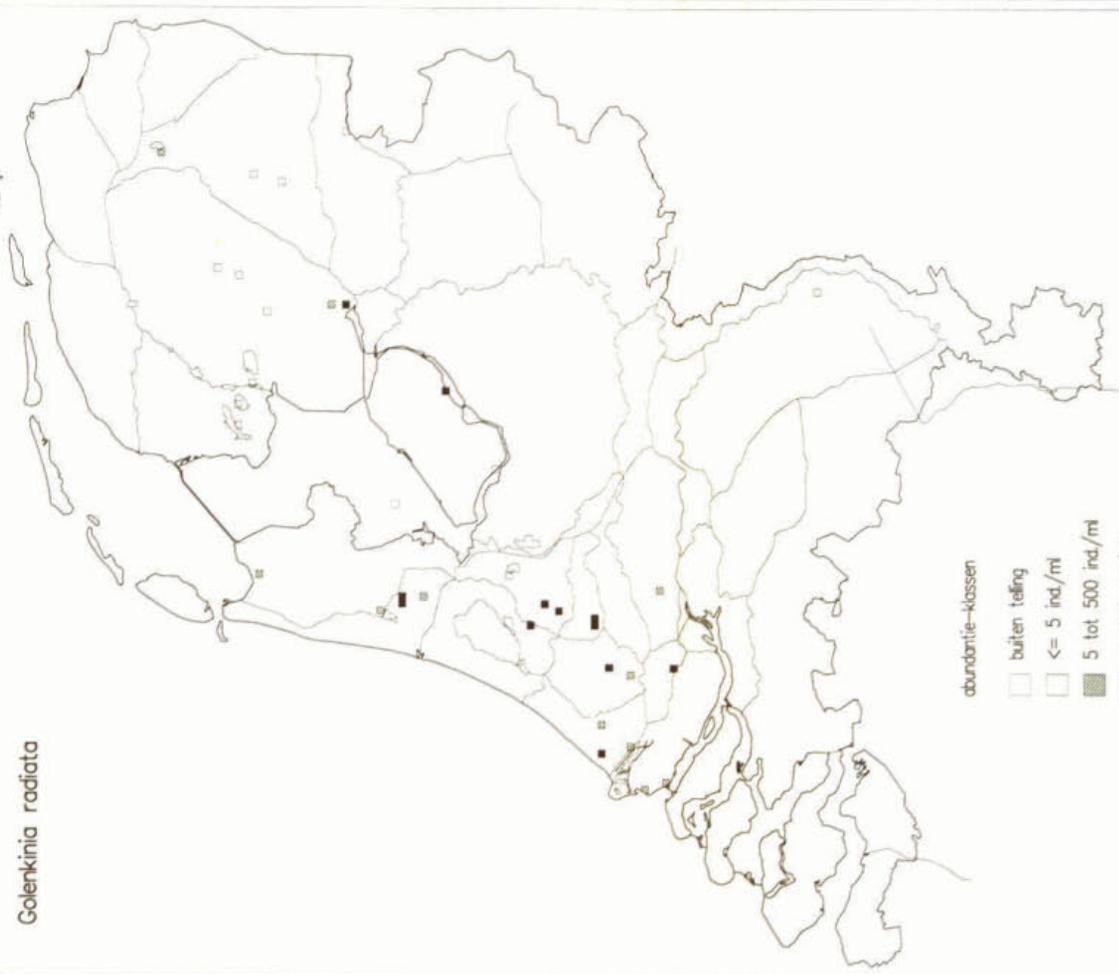
**Eudorina elegans**

**Eudorina elegans**



Fytoplankton : Chlorofyceae (groenwieren)

Golenkinia radiata



abundantie-klassen

buiten telling

<= 5 ind./ml

5 tot 500 ind./ml

=> 500 ind./ml

vangsten : 84

locaties : 38

hokken : 36

watertypen

slakten

stromende wateren

kanalen

meren

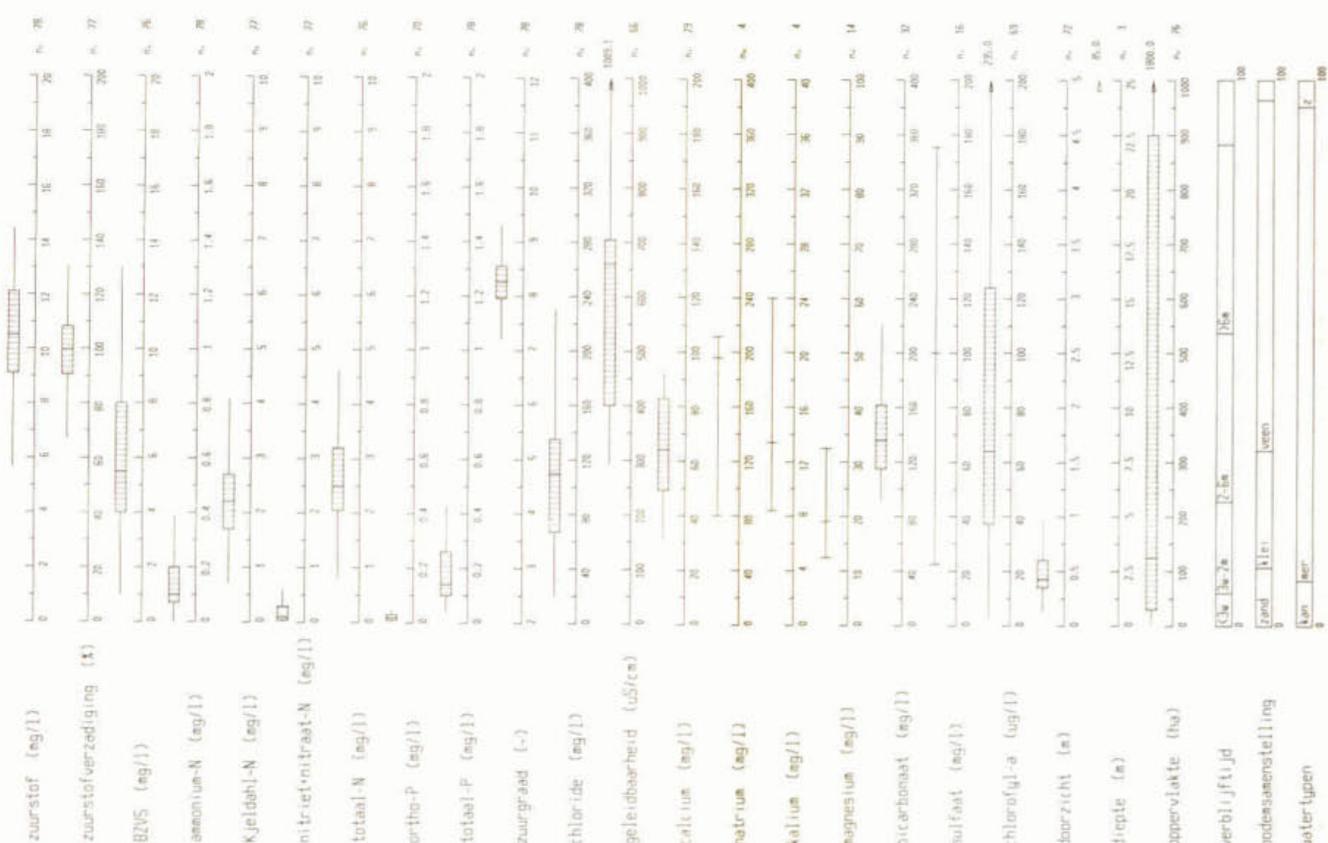
zand-, grind- en kleigaten

**stowa**

Eco-atlas van waterorganismen

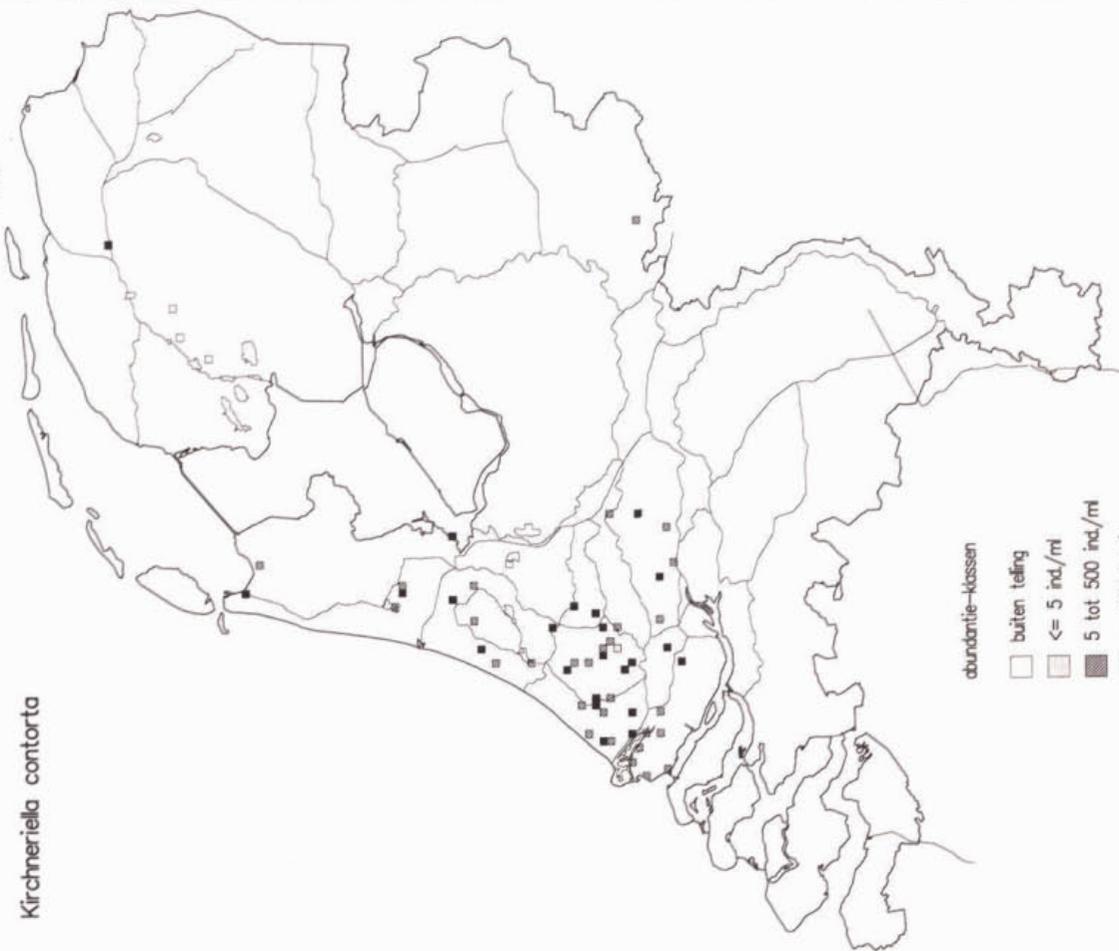
Golenkinia radiata

Golenkinia radiata



Fytoplankton : Chlorofyceae (groenwieren)

Kirchneriella contorta



abundantie-klassen

buiten telling

<= 5 ind./ml

5 tot 500 ind./ml

=> 500 ind./ml

**stowa**

Eco-atlas van waterorganismen

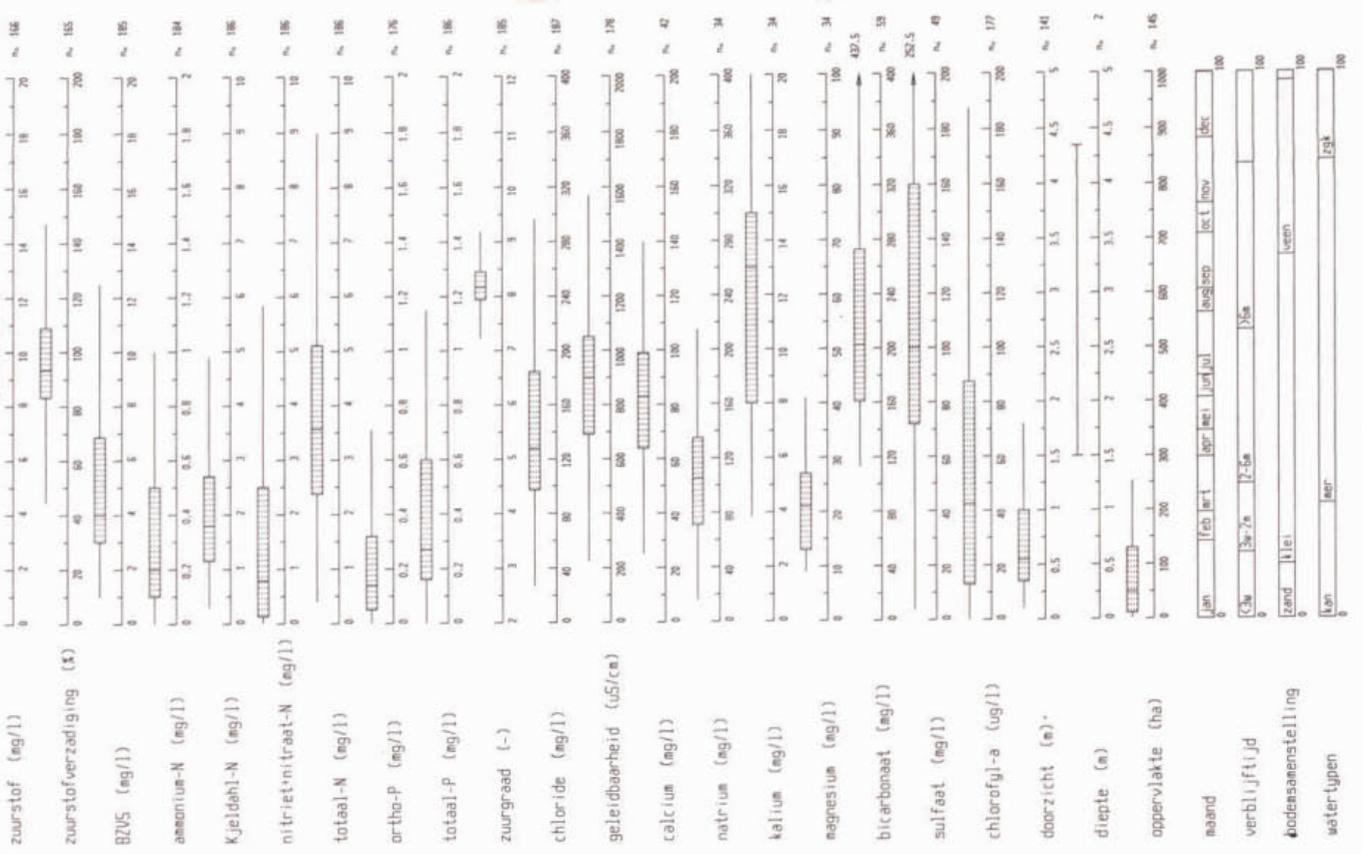
vangsten : 190  
locaties : 59  
hokken : 58

watertypen  
 sloten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten

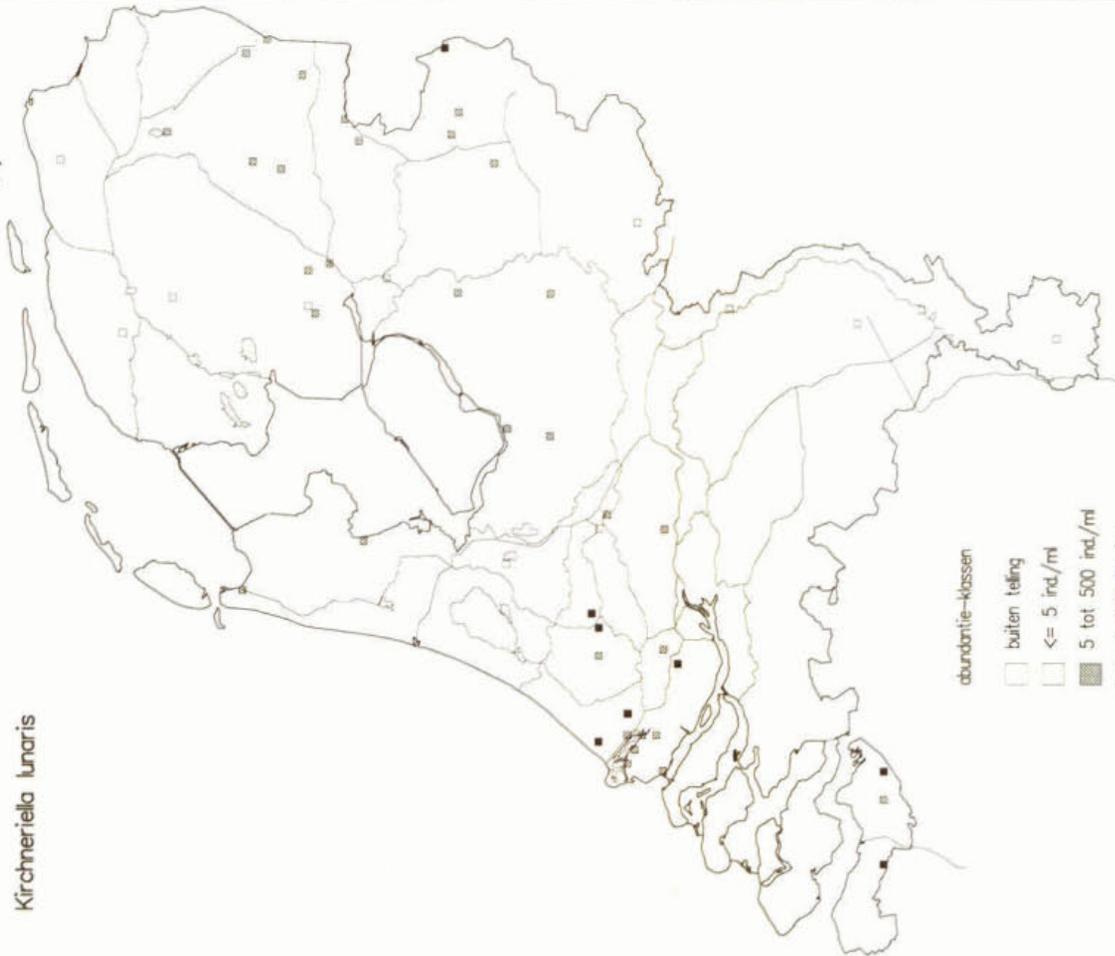
Kirchneriella contorta

Kirchneriella contorta



naam	jan	feb	mer	apr	mei	jun	jul	aug	sep	oct	nov	dec
verblijftijd	0	100	200	300	400	500	600	700	800	900	1000	1100
bodem samenstelling	zand	0	100	200	300	400	500	600	700	800	900	1000
	klei	0	100	200	300	400	500	600	700	800	900	1000
water typen	leem	0	100	200	300	400	500	600	700	800	900	1000
	zgl	0	100	200	300	400	500	600	700	800	900	1000

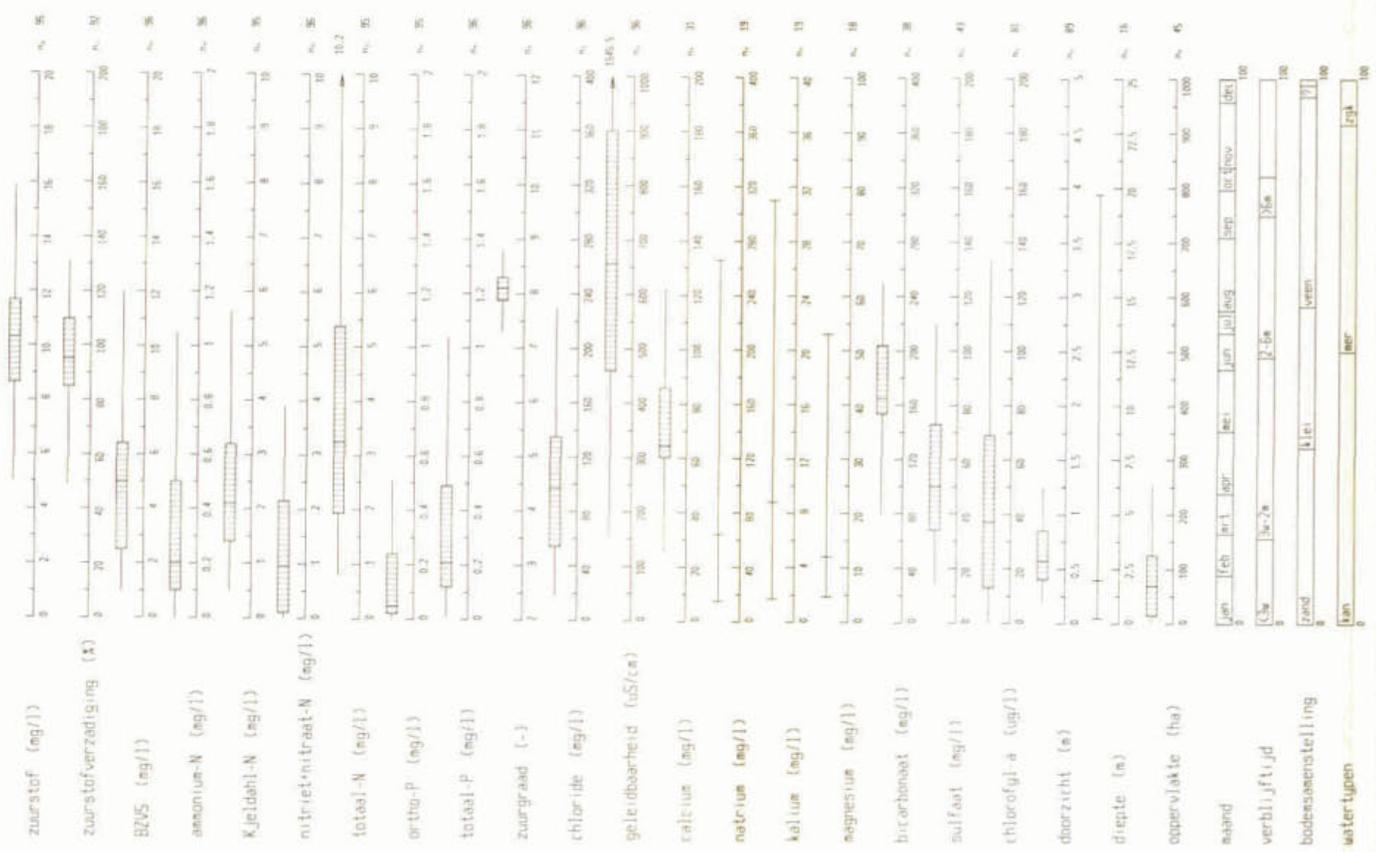
Fytoplankton : Chlorofyceae (groenwieren)  
Kirchneriella lunaris



**stowa**  
Eco-atlas van waterorganismen

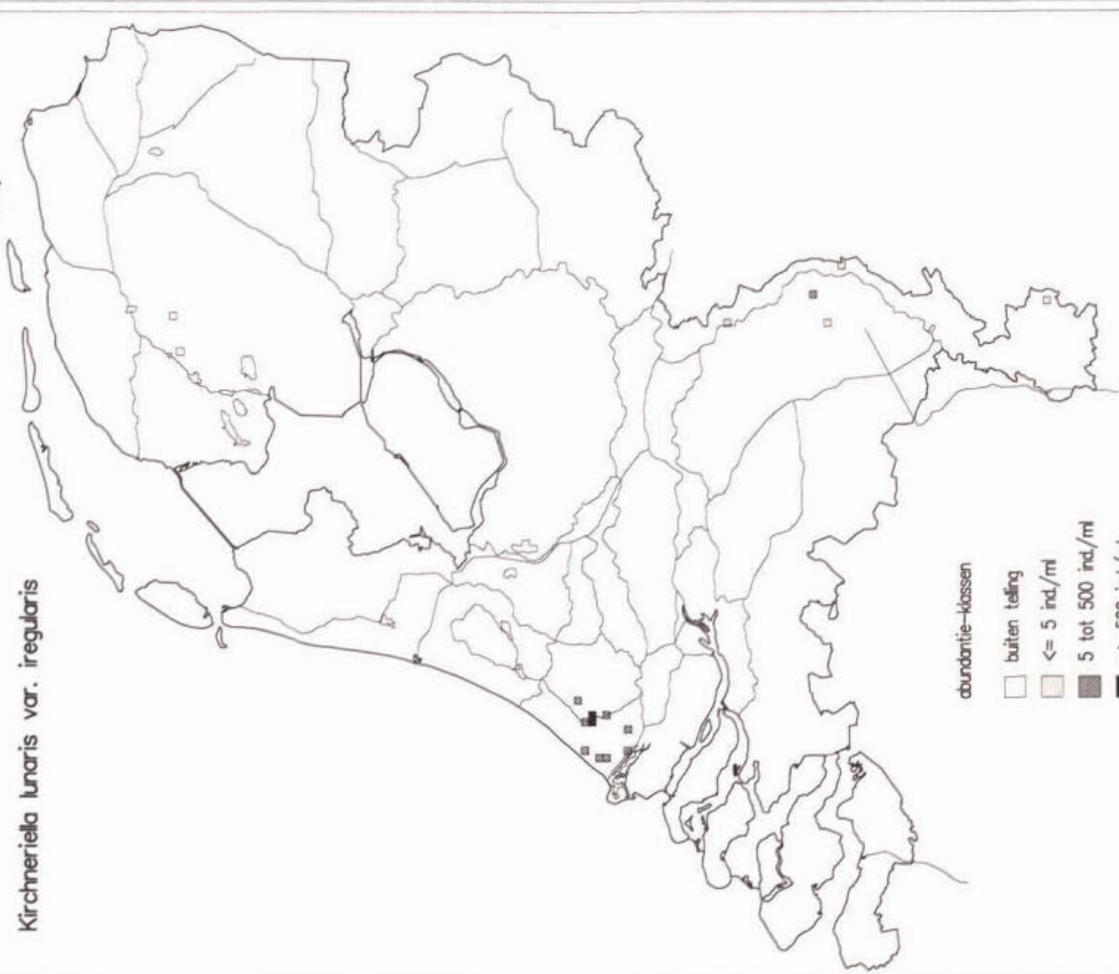
Kirchneriella lunaris  
 vangsten : 96  
 locaties : 53  
 hobben : 52  
 watertypen : □ slöten □ meren □ stromende wateren □ zand-, grind- en kleigaten □ kanalen

Kirchneriella lunaris



Fytoplankton : Chlorofyceae (groenwieren)

*Kirchneriella lunaris* var. *irregularis*



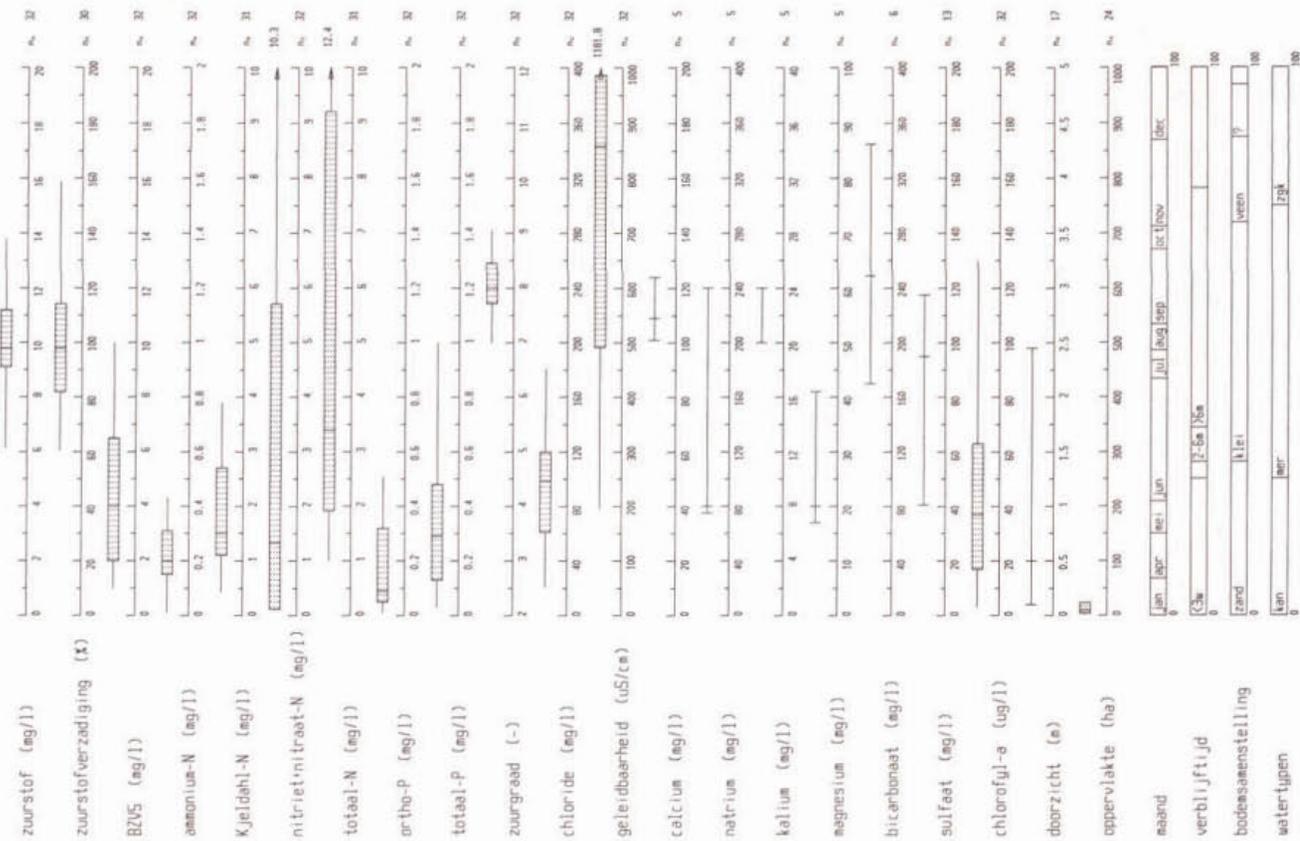
**stowa**  
Eco-atlas van waterorganismen

*Kirchneriella lunaris* var. *irregularis*

vangsten : 32  
locaties : 19  
hekken : 18

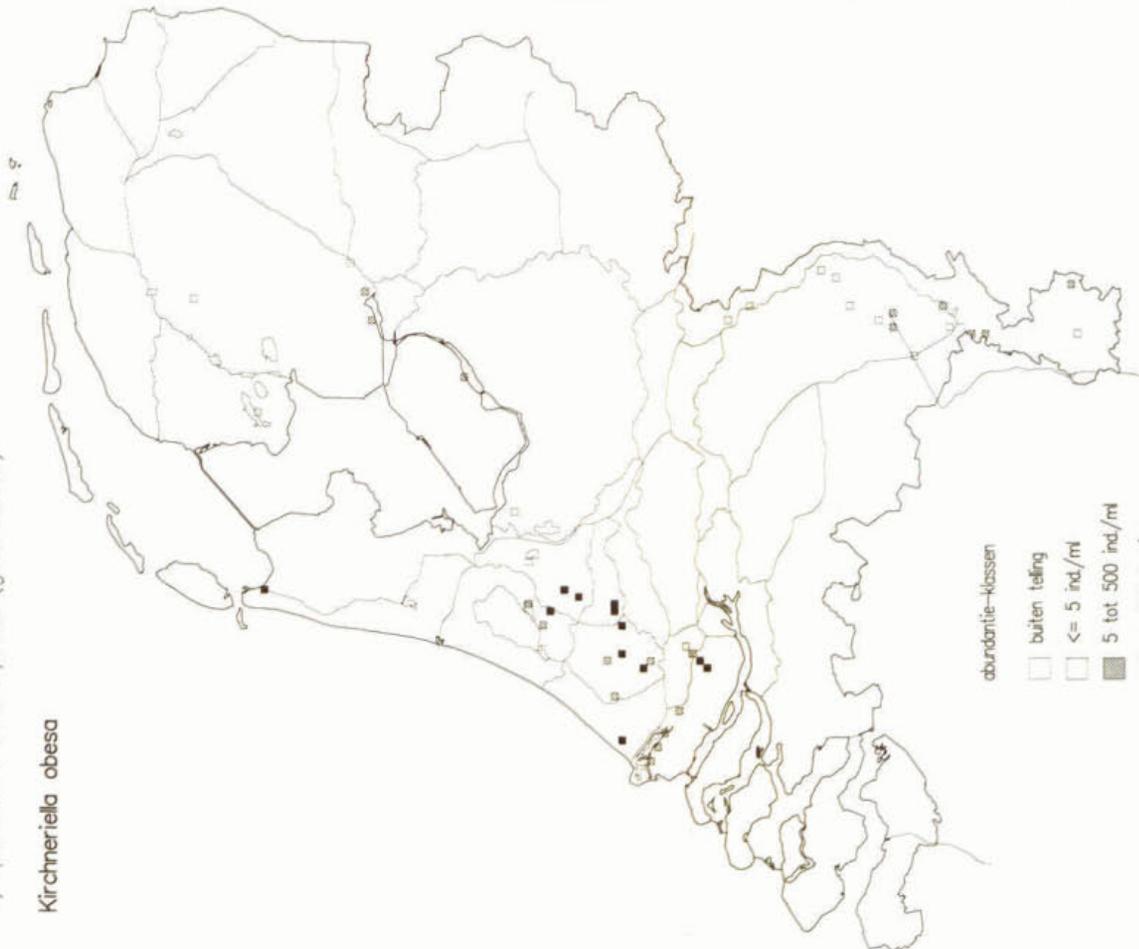
watertypen  slotten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanden

*Kirchneriella lunaris* var. *irregularis*



Fytoplankton : Chlorofyceae (groenwieren)

Kirchneriella obesa



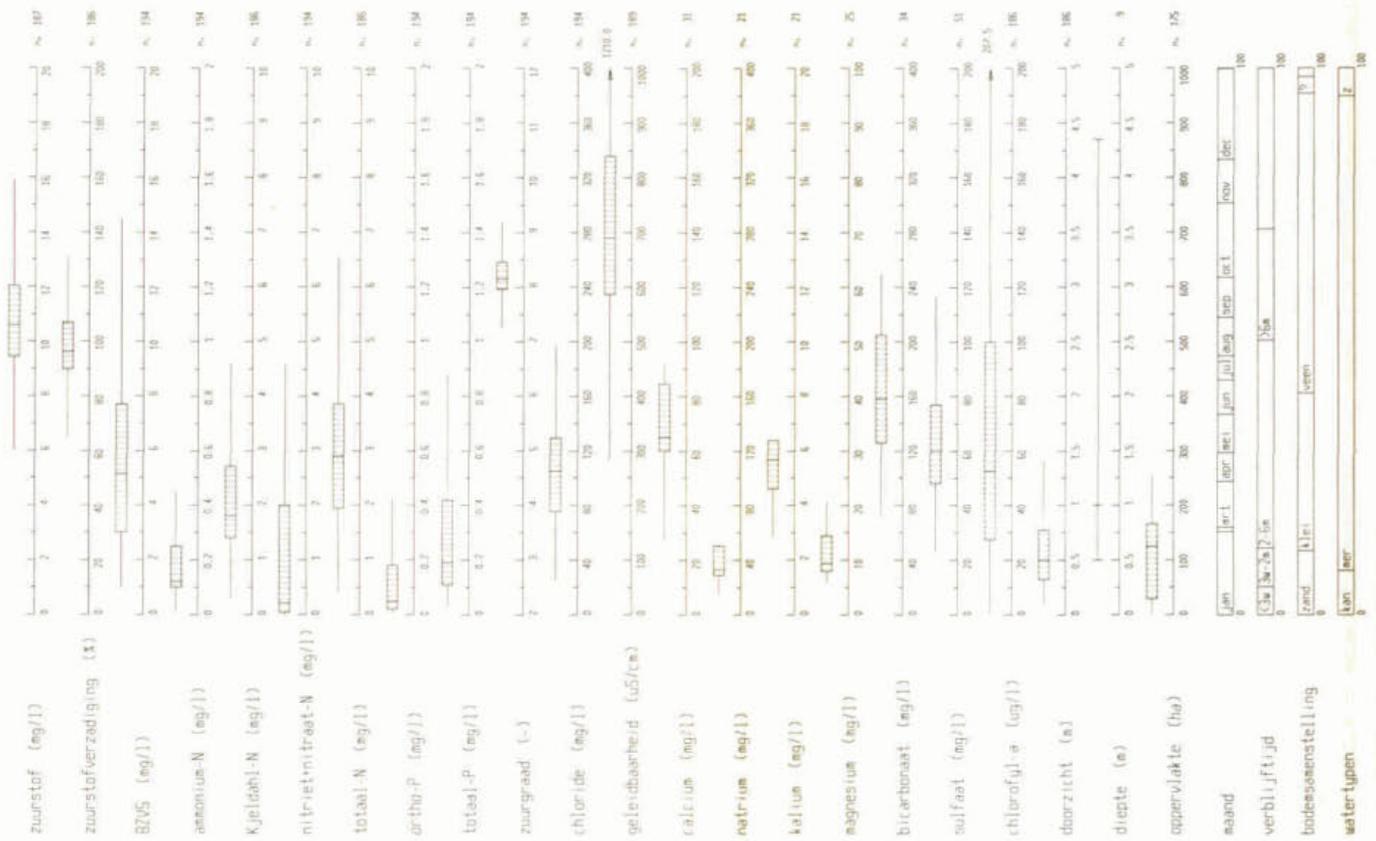
**stowa**  
Eco-atlas van waterorganismen

**Kirchneriella obesa**

vangsten : 197  
locaties : 50  
hokken : 47

watertypen  
 sloten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen

Kirchneriella obesa



Fytoplankton : Chlorofyceae (groenwieren)

**Koliella setiformis**



abundantie-klassen

- buiten telling
- <= 5 ind./m<sup>3</sup>
- 5 tot 500 ind./m<sup>3</sup>
- => 500 ind./m<sup>3</sup>

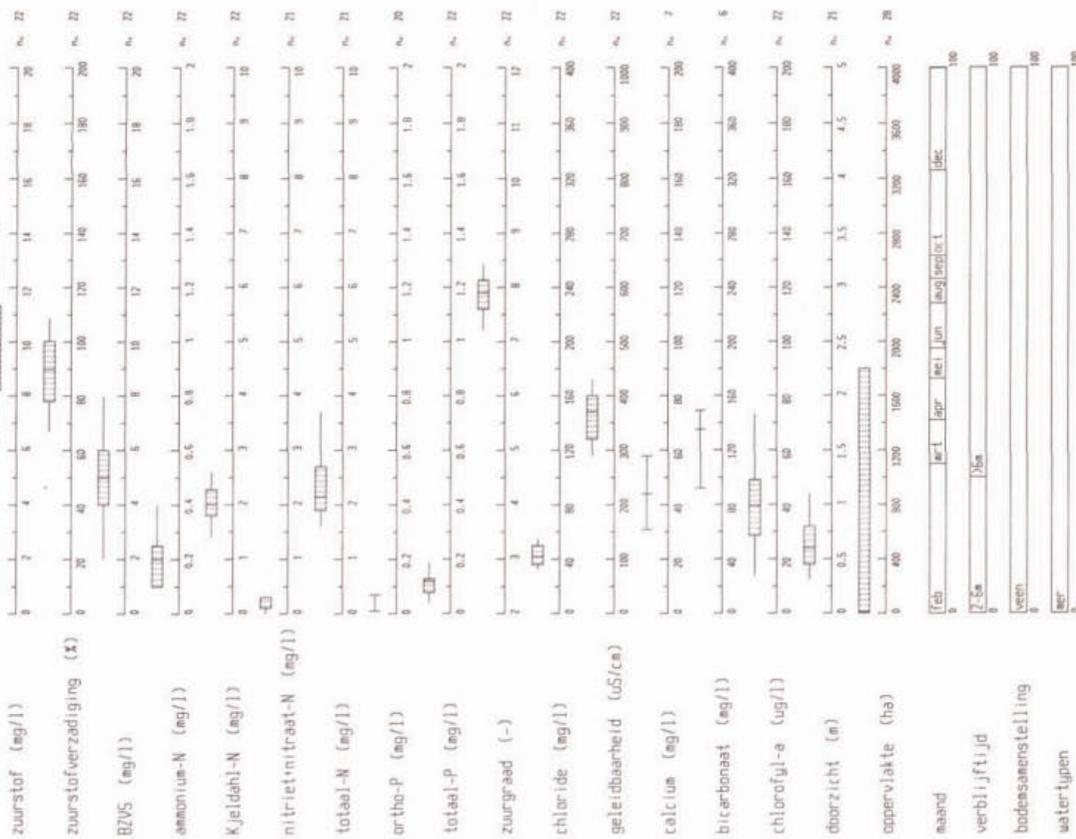
**Koliella setiformis**

- vangsten : 28  
 locaties : 3  
 hokken : 2
- watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanden

**stowa**

Eco-atlas van waterorganismen

**Koliella setiformis**





Fytoplankton : Chlorofyceae (groenwieren)

*Lagerheimia ciliata*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml



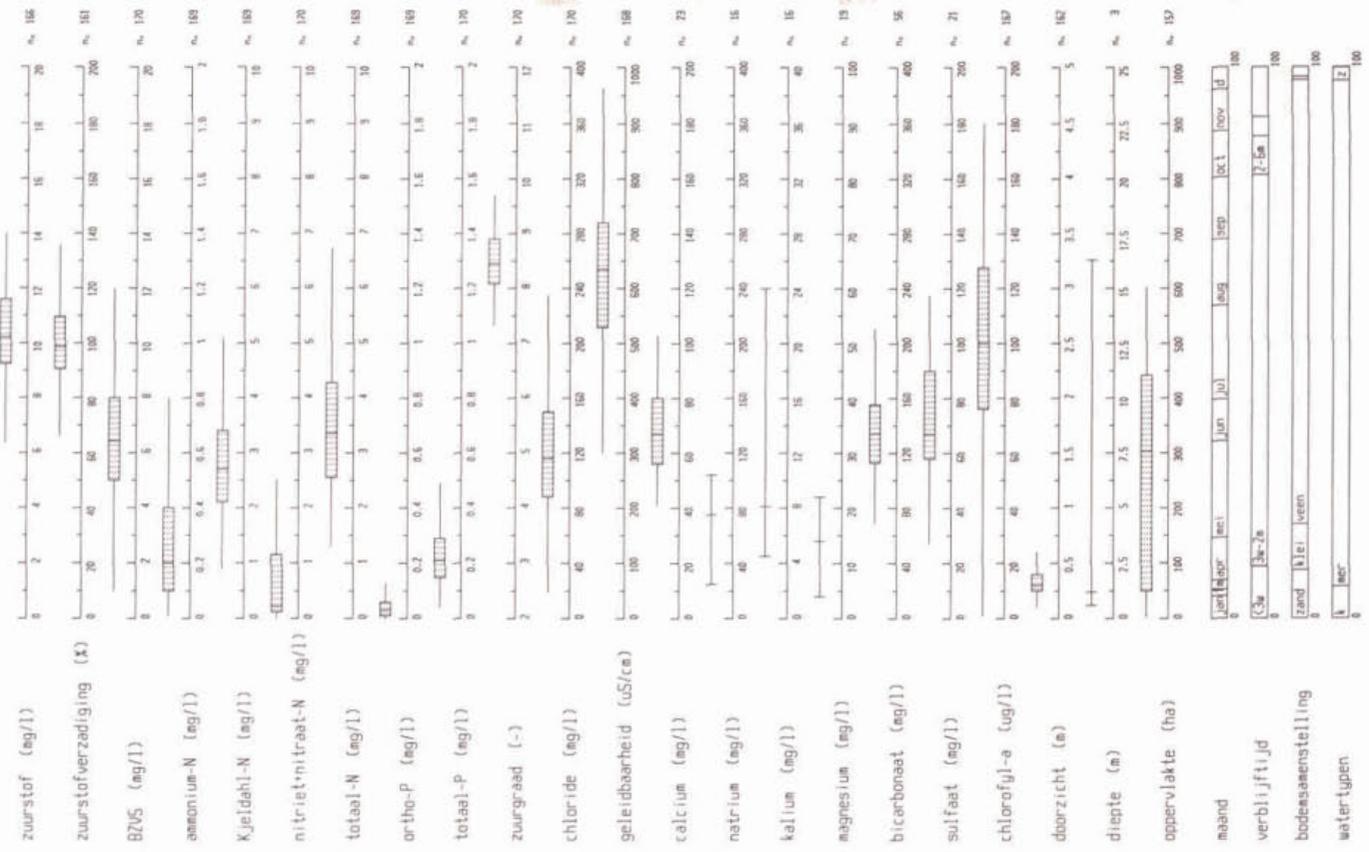
Eco-atlas van waterorganismen

*Lagerheimia ciliata*

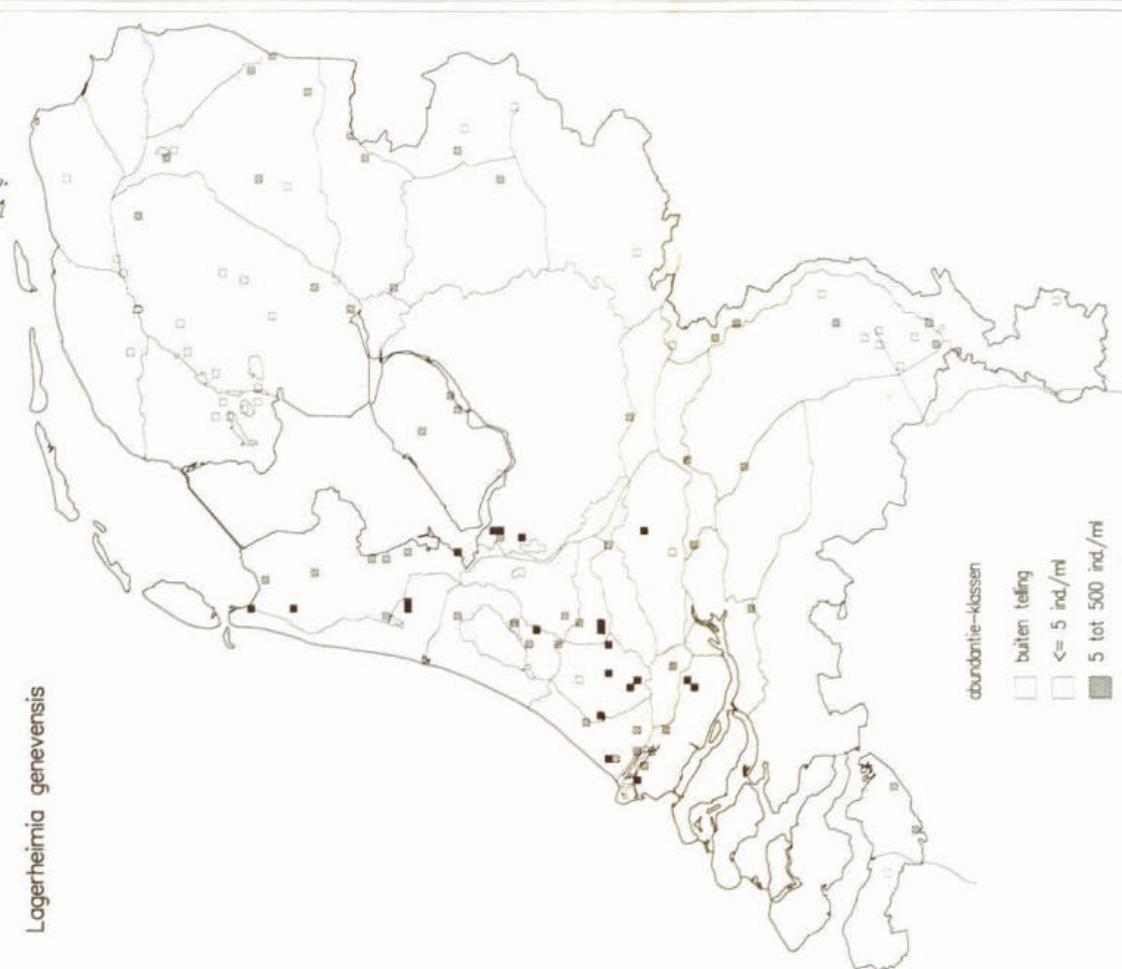
vangsten : 171  
 locaties : 41  
 hokken : 40

watertypen  
 slotten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanden

*Lagerheimia ciliata*



Fytoplankton : Chlorofyceae (groenwieren)  
**Lagerheimia genevensis**

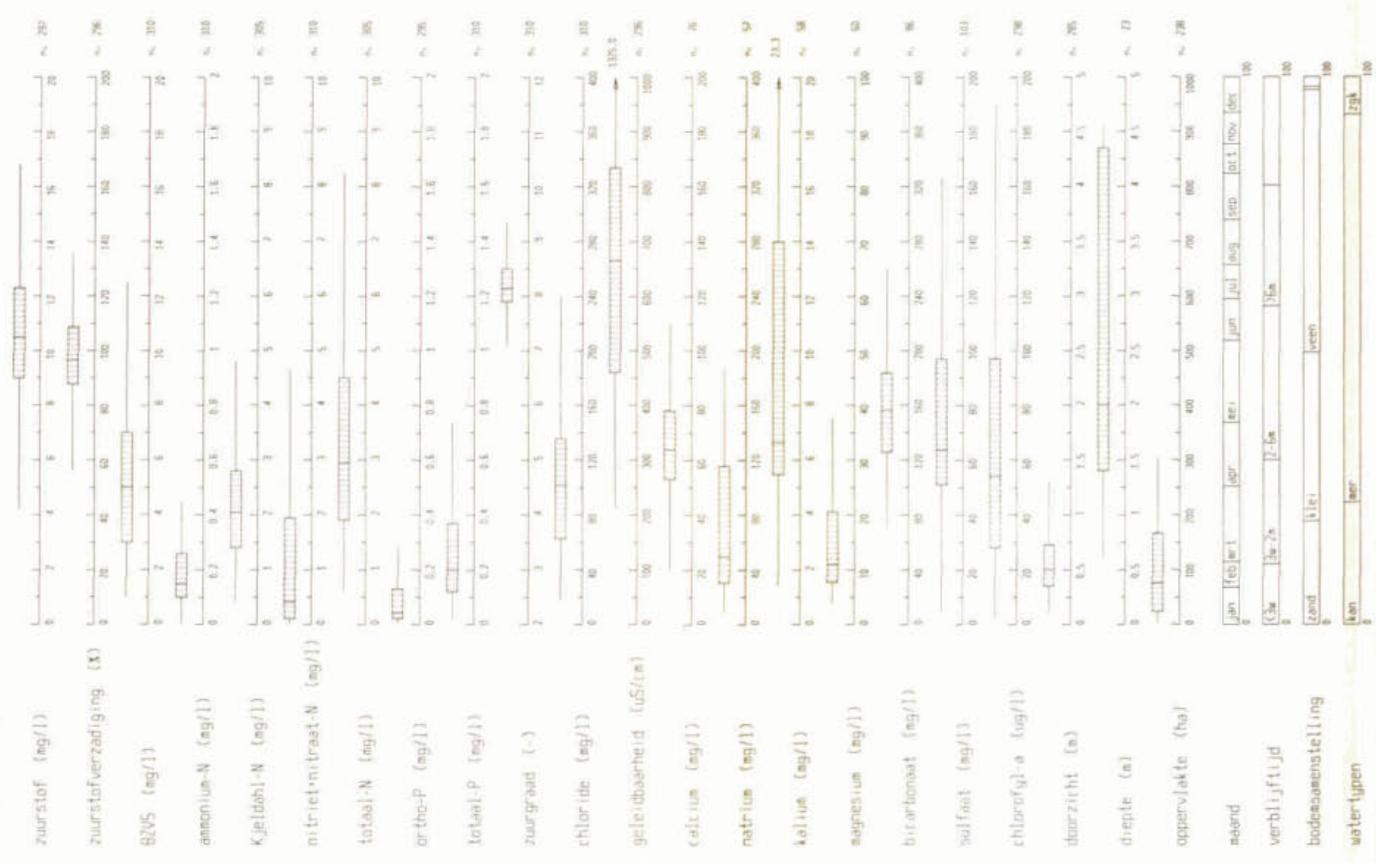


**Lagerheimia genevensis**

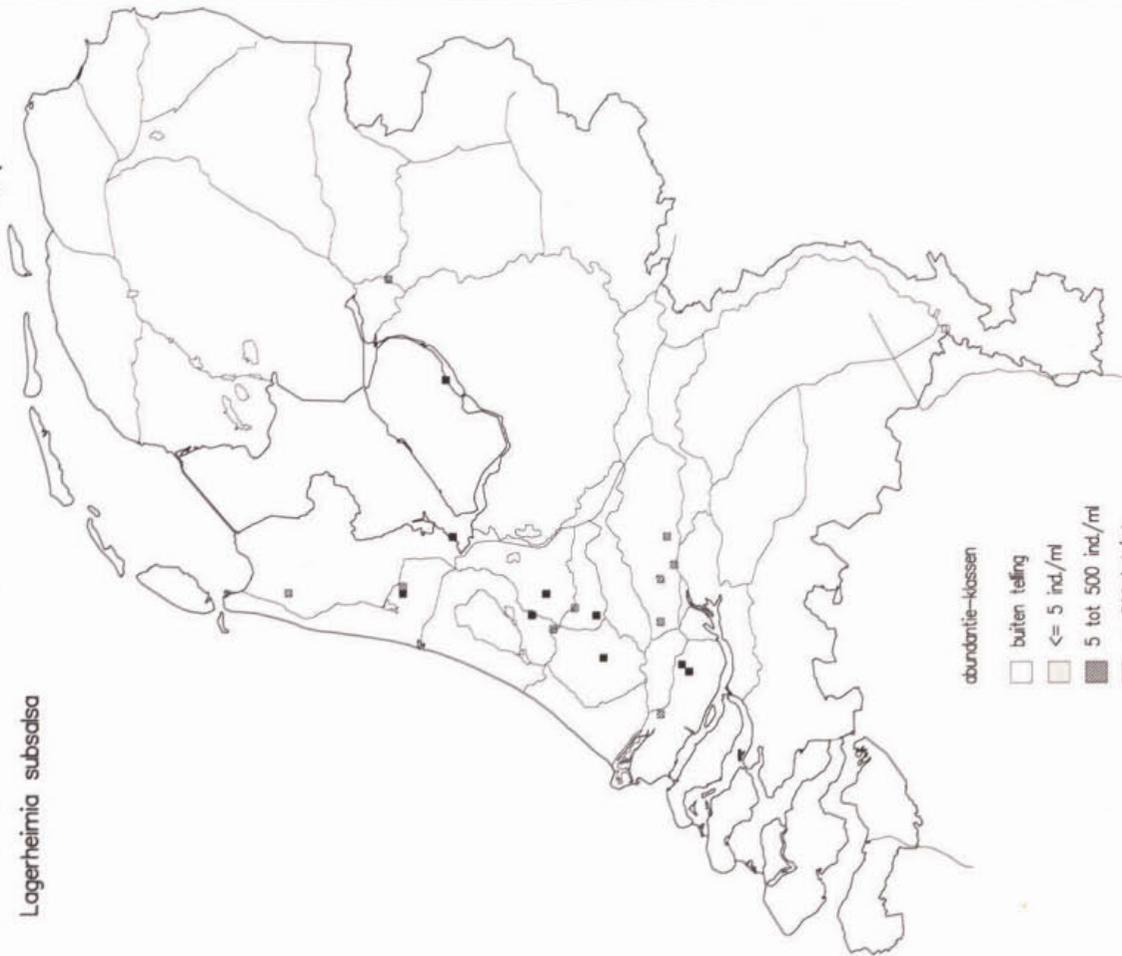
vangsten : 321  
 locaties : 16  
 hakken : 10



Lagerheimia genevensis



Fytoplankton : Chlorofyceae (groenwieren)  
Lagerheimia subsalsa

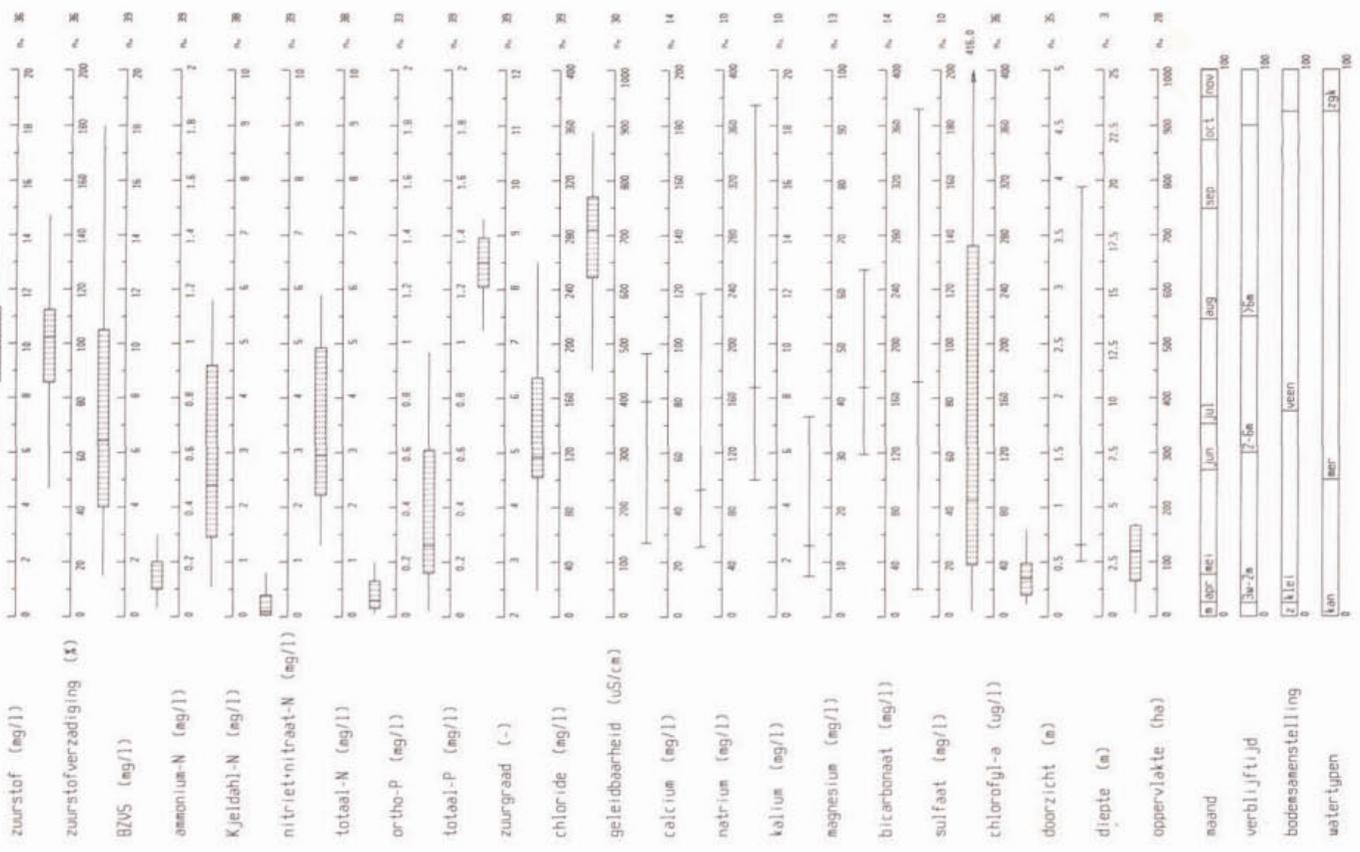


abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

**stowa**  
Eco-atlas van waterorganismen

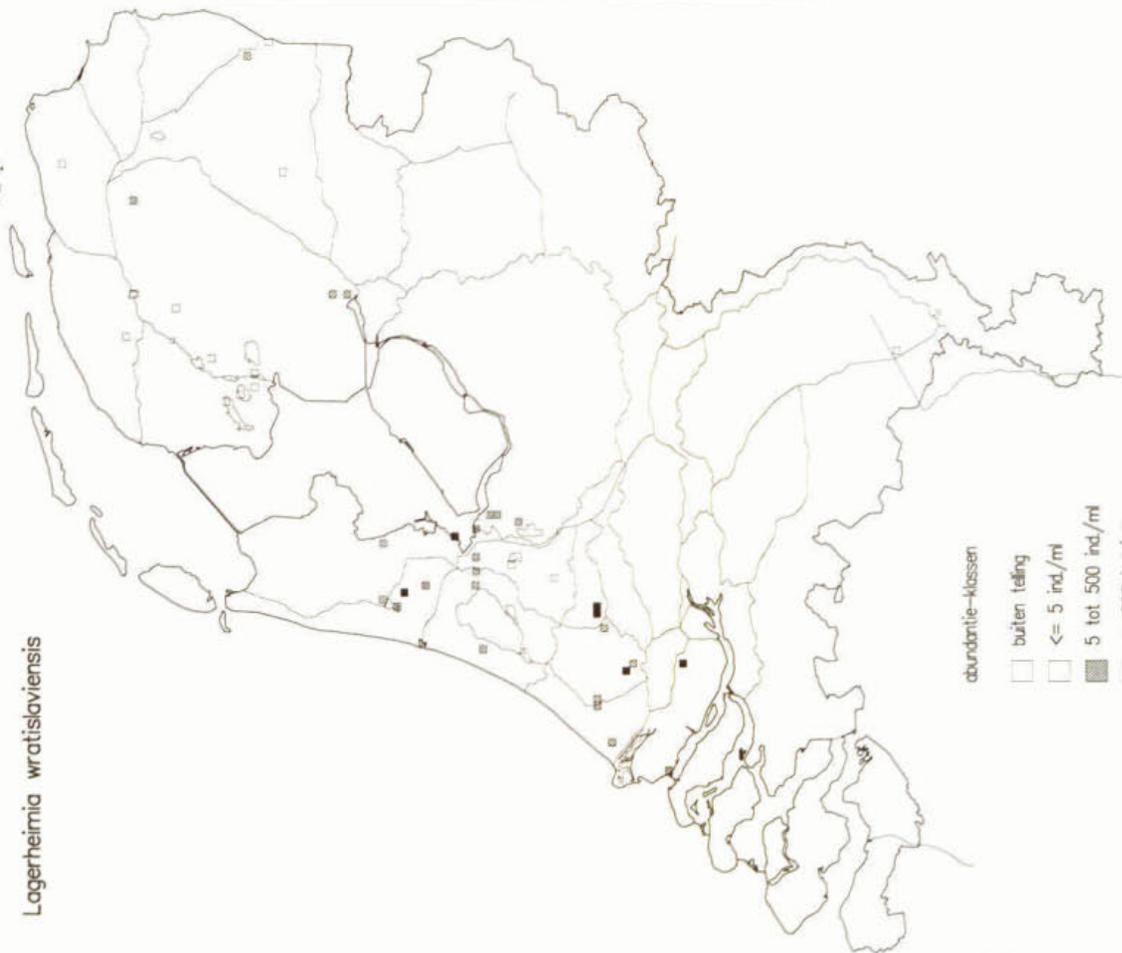
Lagerheimia subsalsa  
 vangsten : 40  
 locaties : 23  
 hobben : 21  
 watertypen  
 sloten  
 stromende wateren  
 kranen  
 meren  
 zand-, grind- en kleigaten

Lagerheimia subsalsa



Fytoplankton : Chlorofyceae (groenwieren)

*Lagerheimia wratislaviensis*



abundantie-classes  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

**stowa**  
 Eco-atlas van waterorganismen

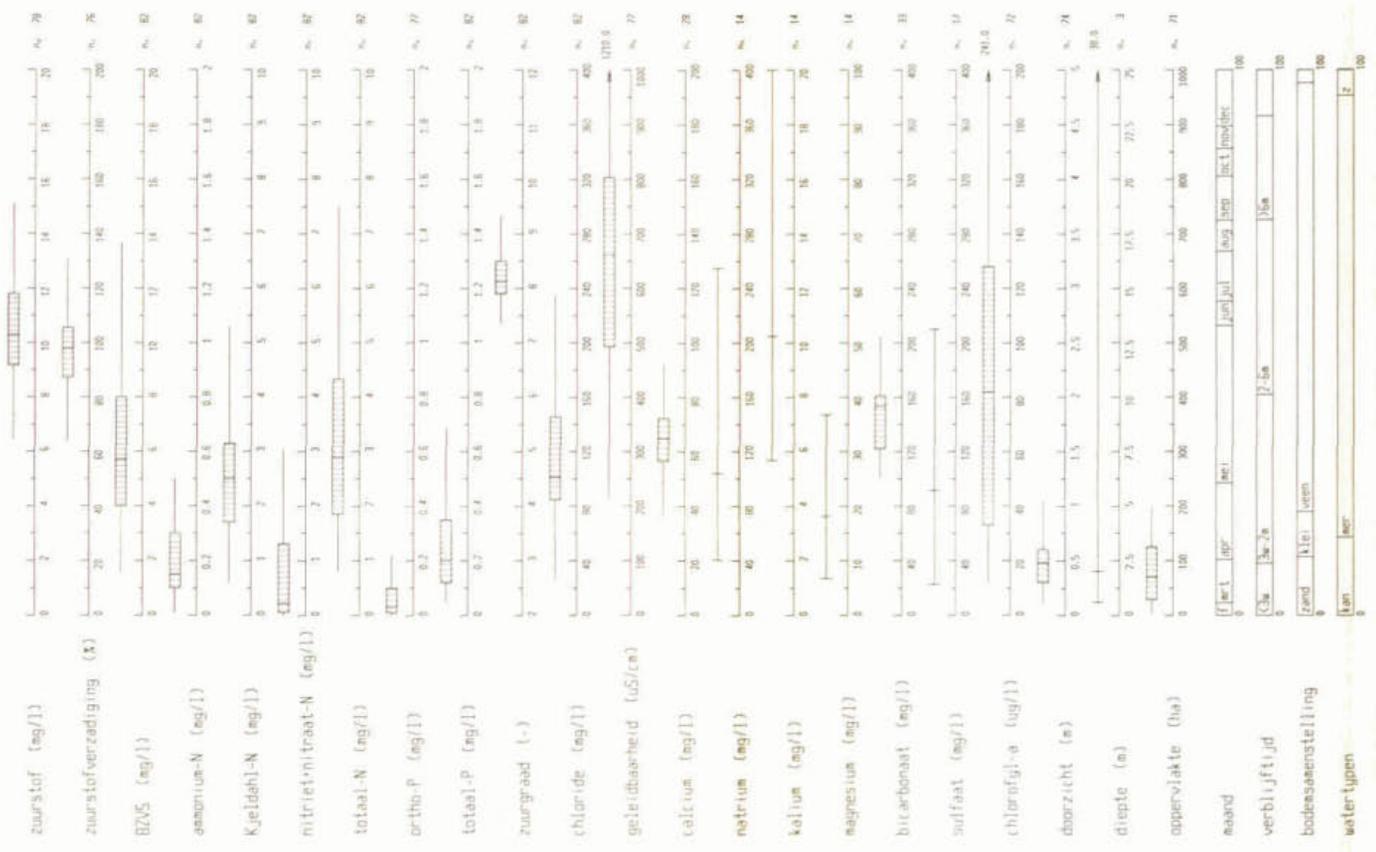
**Lagerheimia wratislaviensis**

vangsten : 84  
 locaties : 45  
 hakken : 43

watertypen  
 abioten  
 stromende wateren  
 kanalen

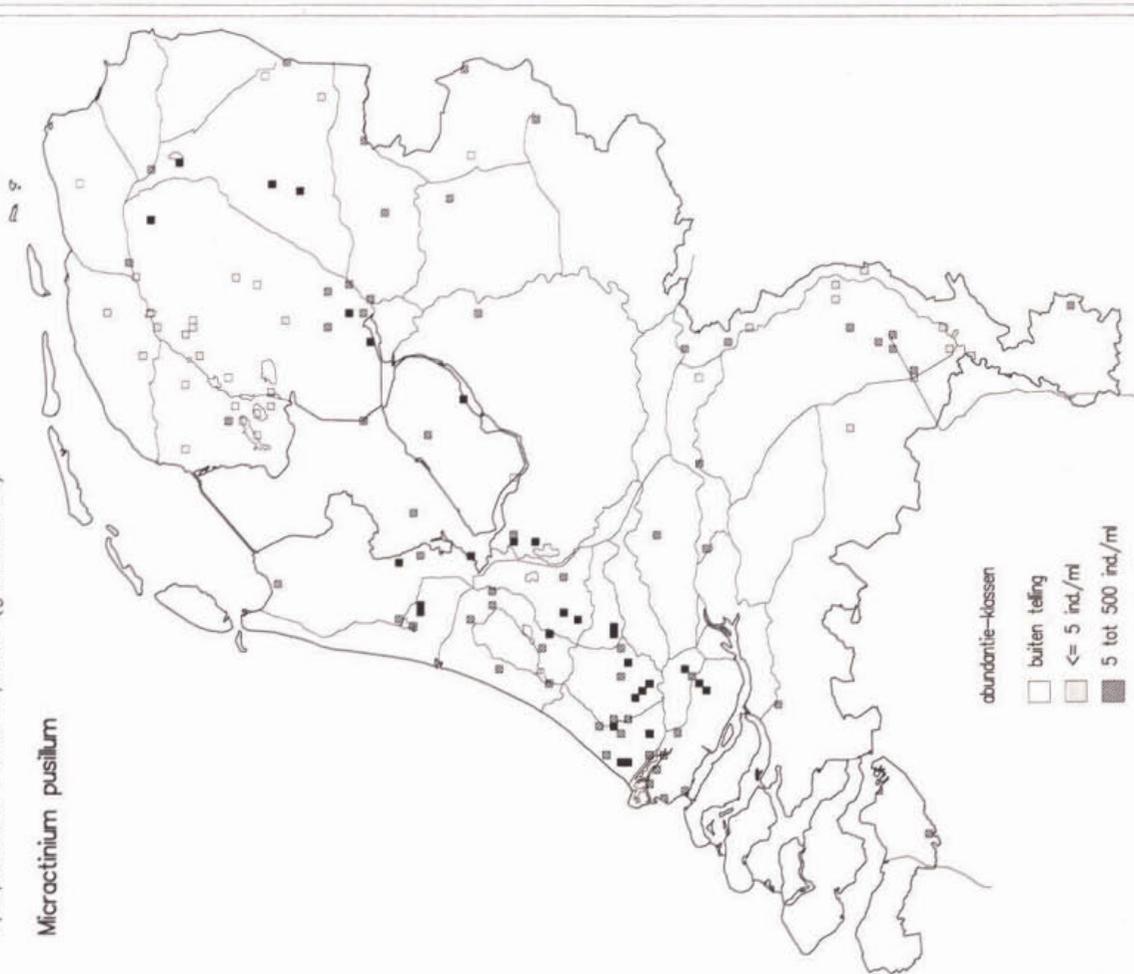
maren  
 zand-, grind- en kleigaten

*Lagerheimia wratislaviensis*



Fytoplankton : Chlorofyceae (groenwieren)

Microactinium pusillum

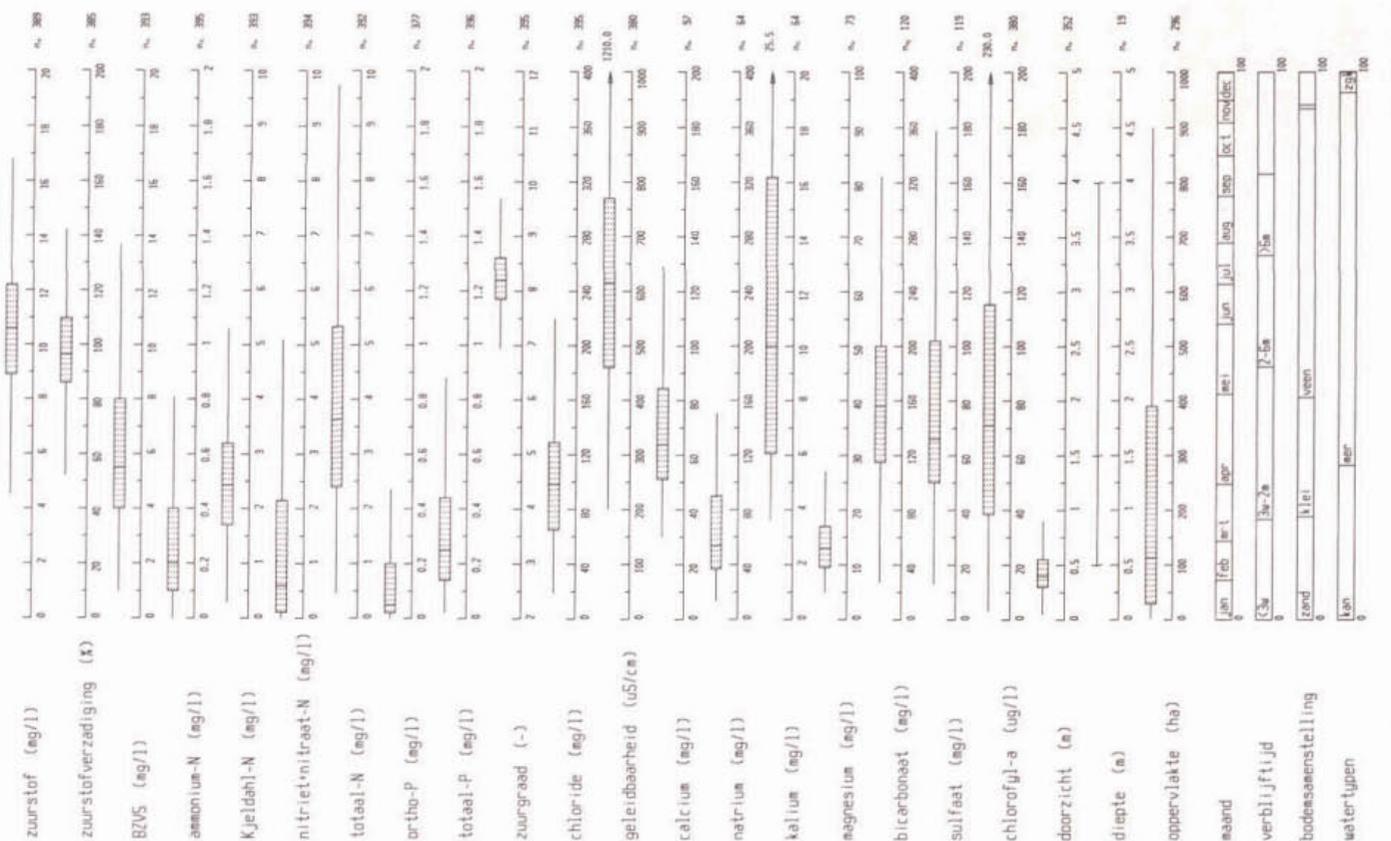


**stowa**  
Eco-atlas van waterorganismen

**Microactinium pusillum**

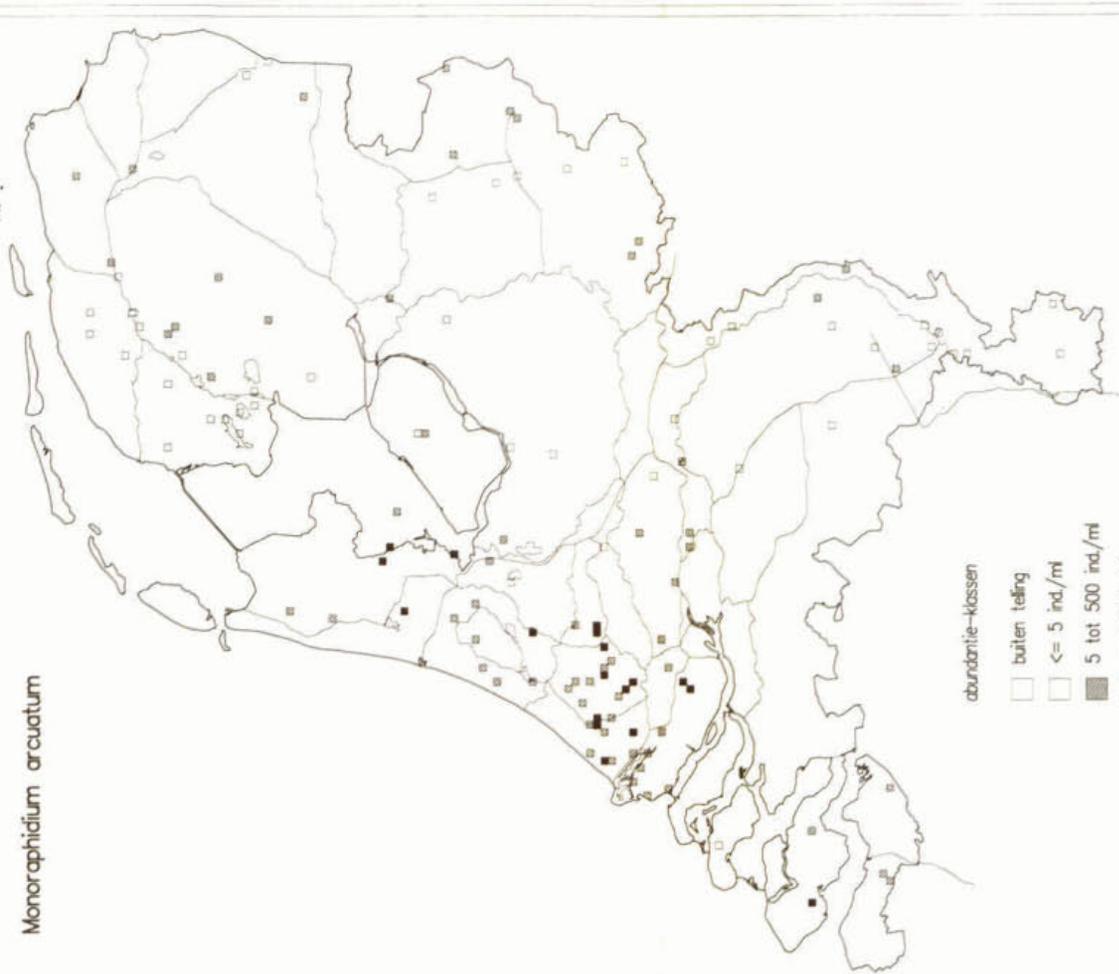
vangsten : 419	sloten	mieren
locaties : 137	stromende wateren	zand-, grind- en kleigaten
hokken : 127	karaden	

Microactinium pusillum



Fytoplankton : Chlorofyceae (groenwieren)

Monoraphidium arcuatum



abundantie-klassen

- buiten telling
- ≤ 5 ind./ml
- 5 tot 500 ind./ml
- ≥ 500 ind./ml

Monoraphidium arcuatum

vangsten : 297  
 locaties : 131  
 bakken : 927

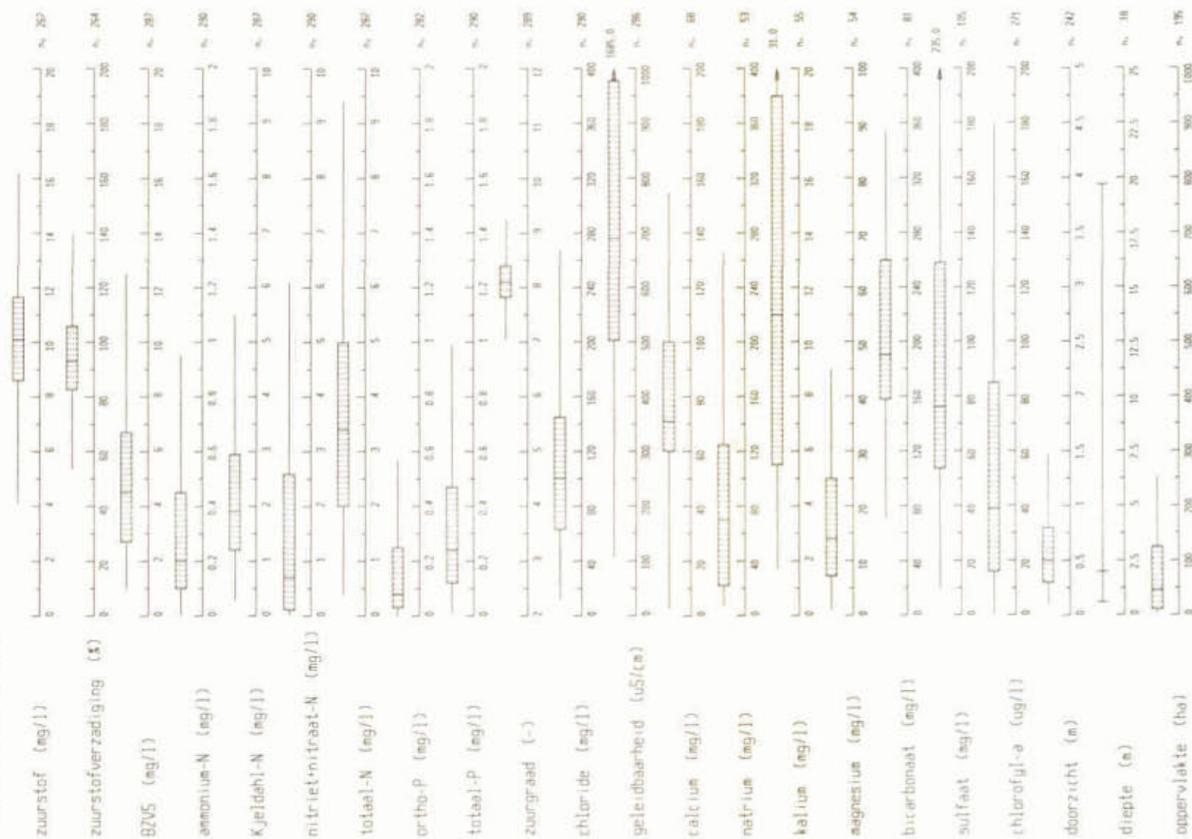
watertypen  
 □ sloten  
 □ stromende wateren  
 □ kanalen

□ meren  
 □ zand-, grind- en kleigaten

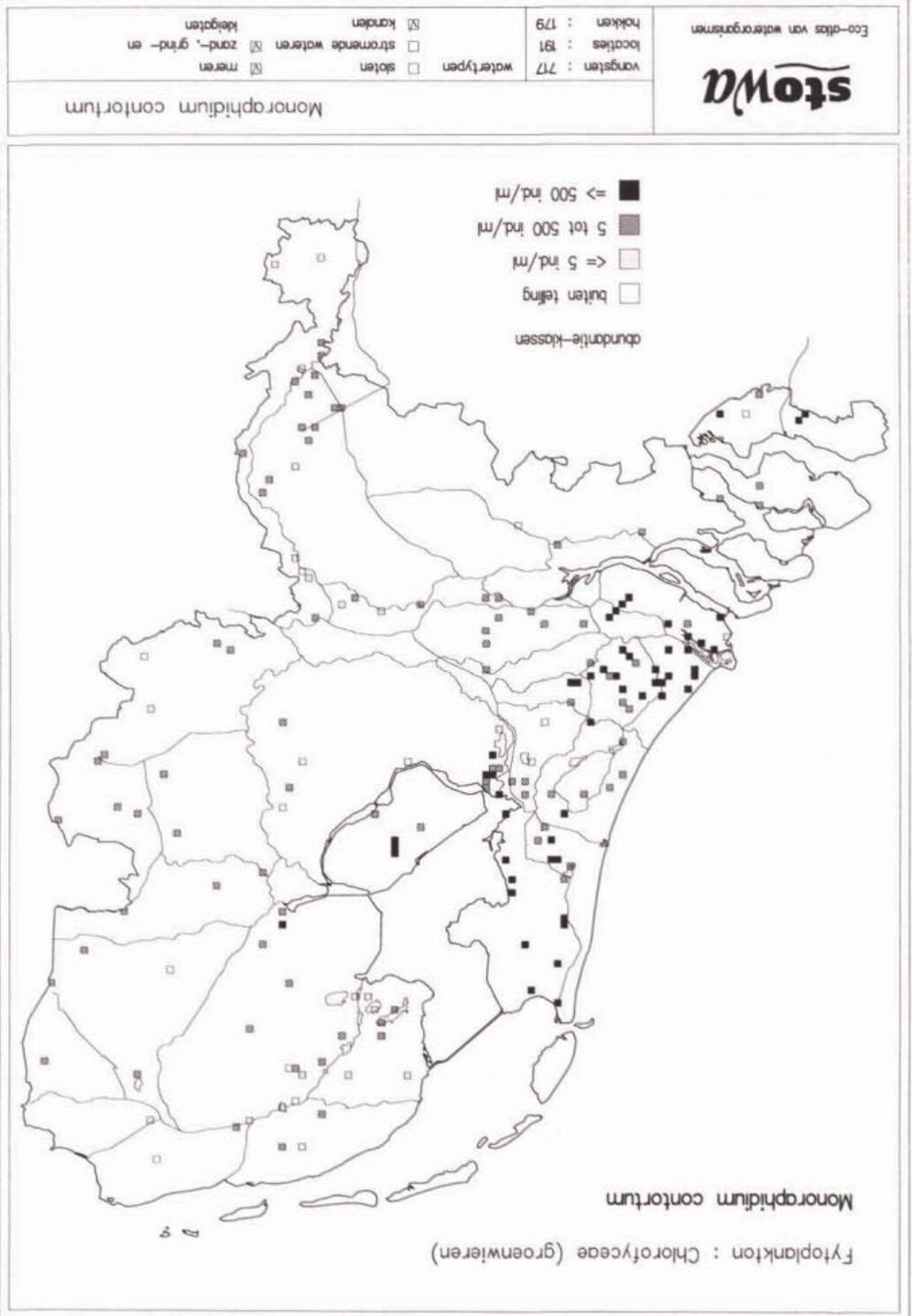
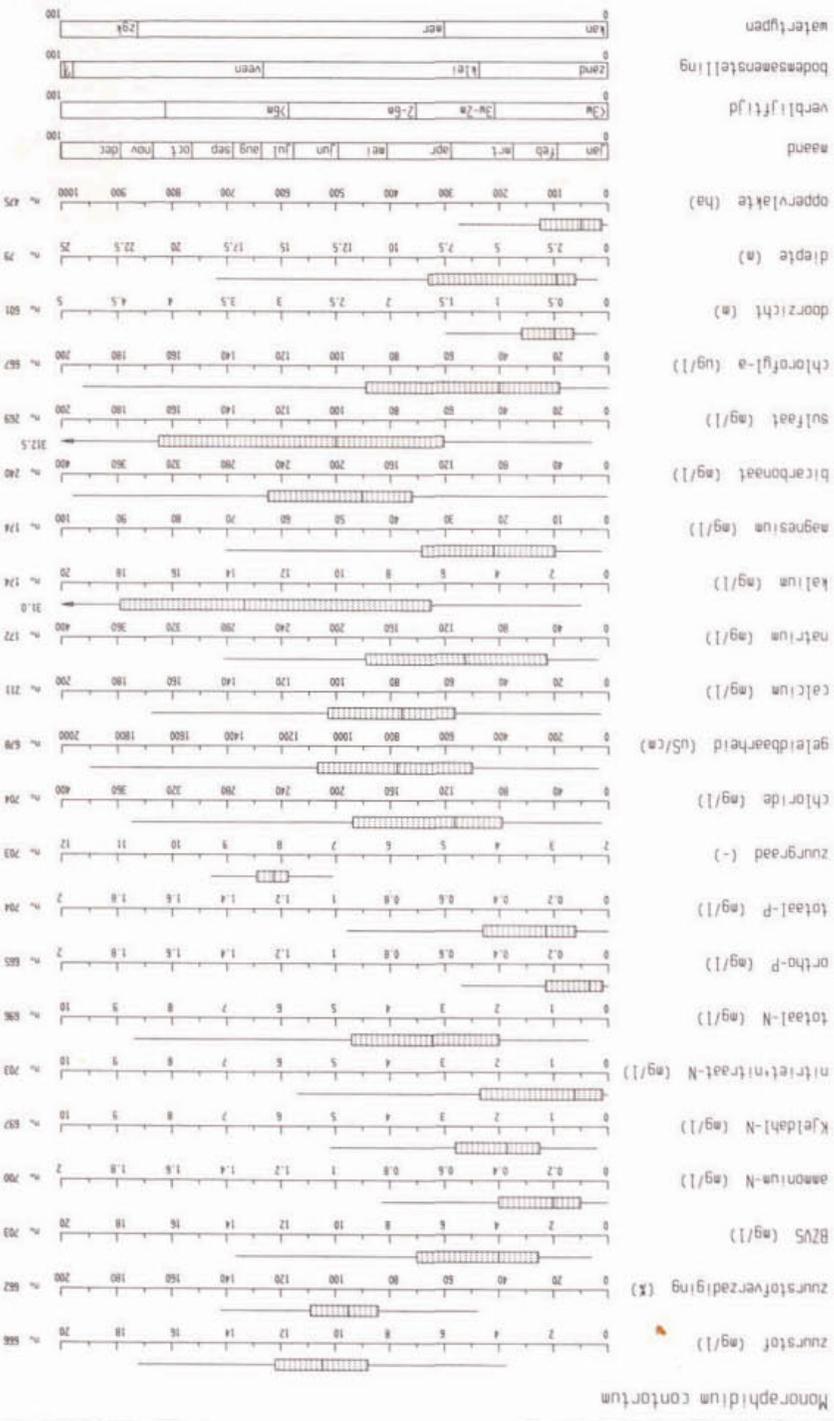


Eco-atlas van waterorganismen

Monoraphidium arcuatum

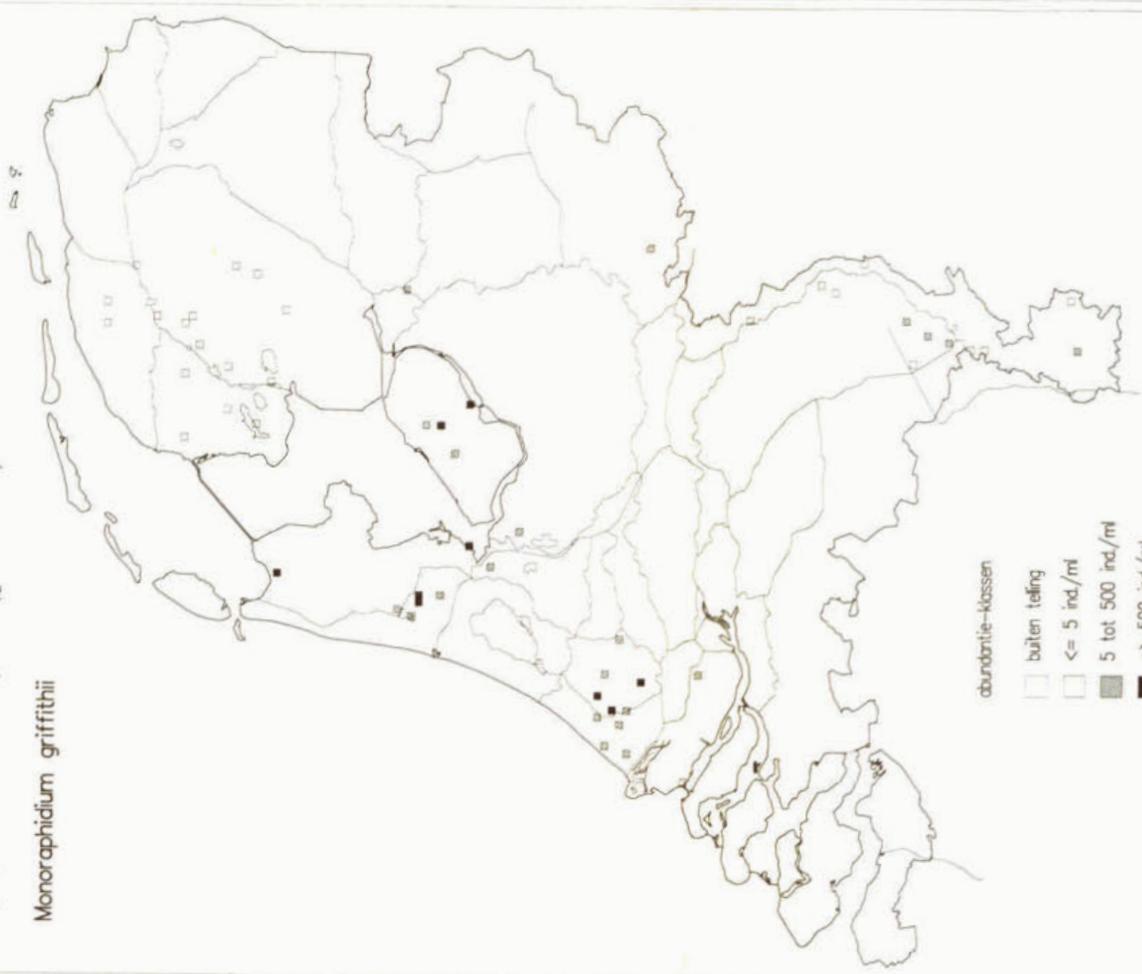


maand	jan	feb	mar	apr	mei	jun	jul	aug	sep	okt	nov	dec	n	257
verbl.f.tijd	0	30	30	30	30	30	30	30	30	30	30	30	n	100
bodemaaierstelling	0	0	0	0	0	0	0	0	0	0	0	0	n	100
watertypen	0	0	0	0	0	0	0	0	0	0	0	0	n	100



Fytoplankton : Chlorofyceae (groenwieren)

Monoraphidium griffithii

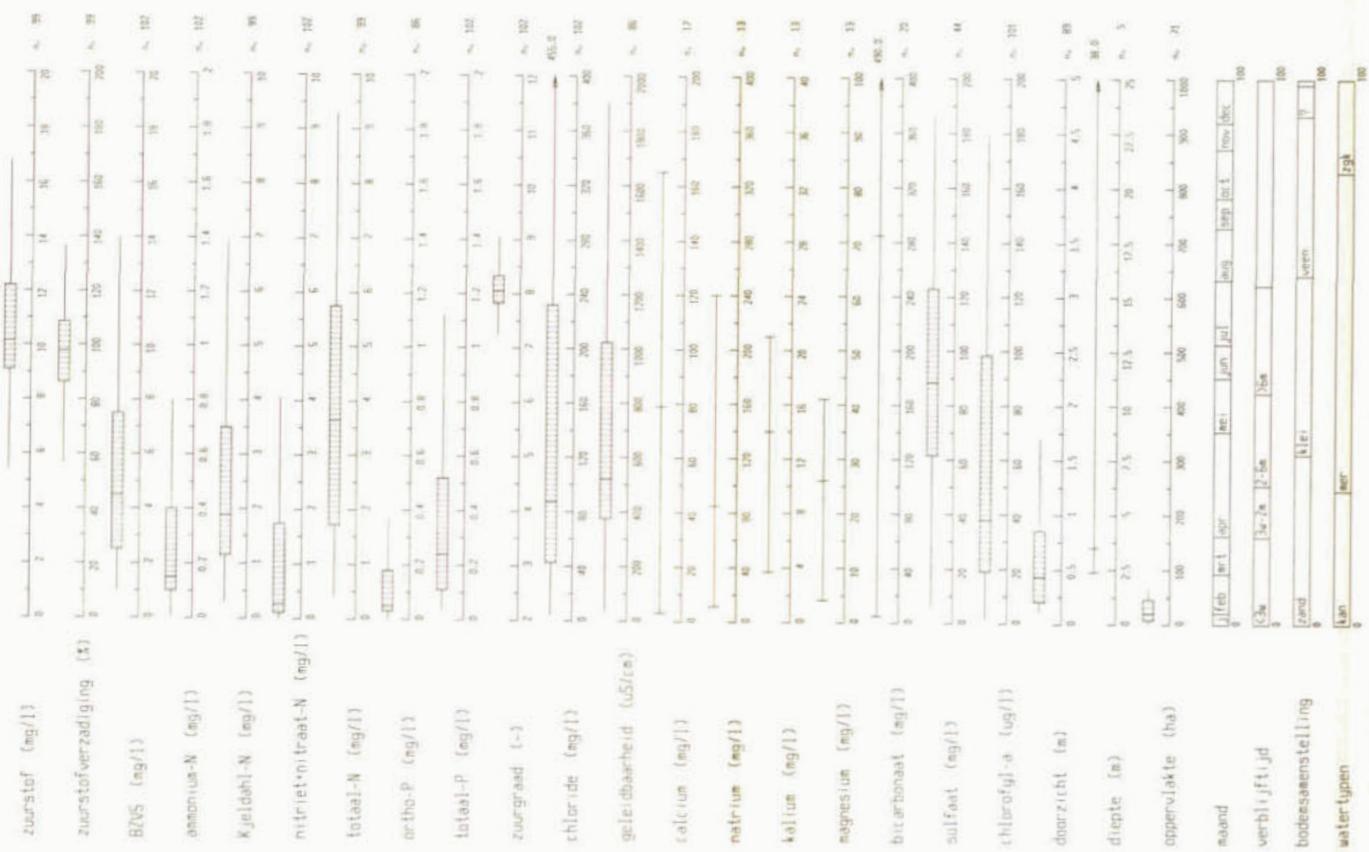


abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

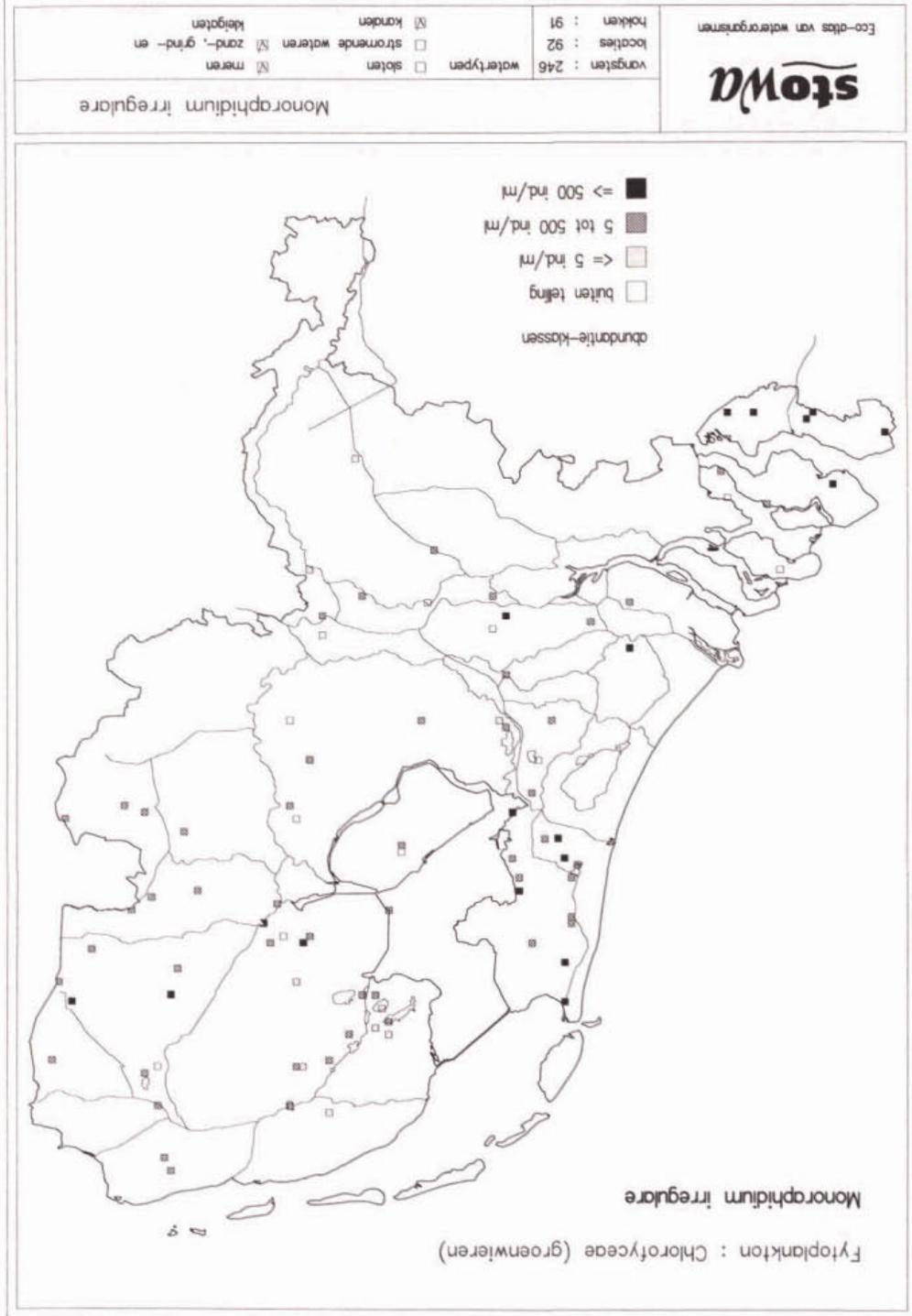
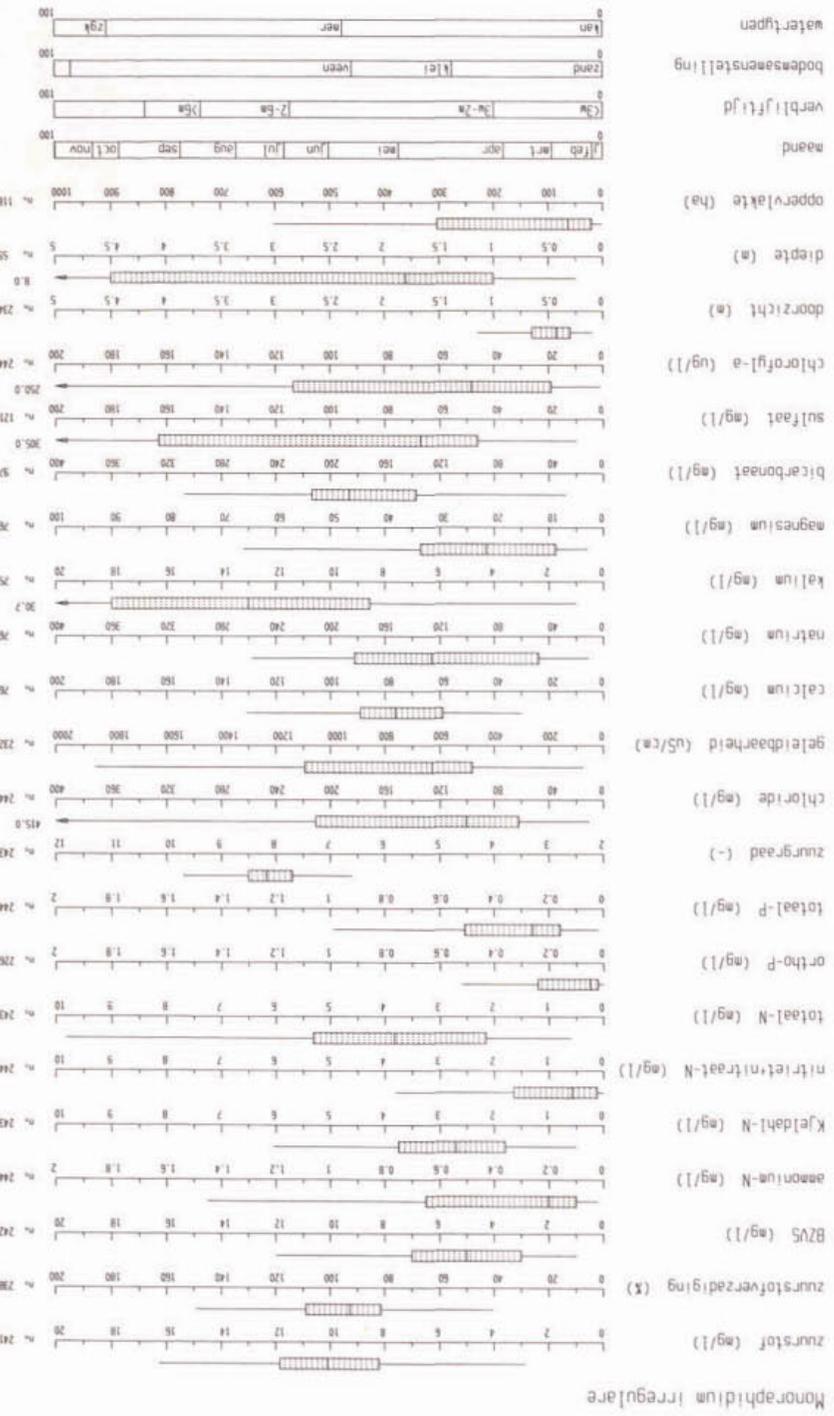
**stowa**  
 Eco-atlas van waterorganismen

Monoraphidium griffithii  
 vangsten : 106  
 locaties : 61  
 hokken : 57  
 wassertypen  
 sköten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten

Monoraphidium griffithii



maand	jan	feb	mar	apr	mei	jun	jul	aug	sep	okt	nov	dec
verbl.jft.jd	0	1	2	3	4	5	6	7	8	9	10	11
bodesaanstelling	zand	klei	veen	grind								
wassertypen	kan	mer	mer	mer	mer	mer	mer	mer	mer	mer	mer	mer



Fytoplankton : Chlorofyceae (groenwieren)

Monoraphidium minutum



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./m  
 □ 5 tot 500 ind./m  
 ■ ≥ 500 ind./m

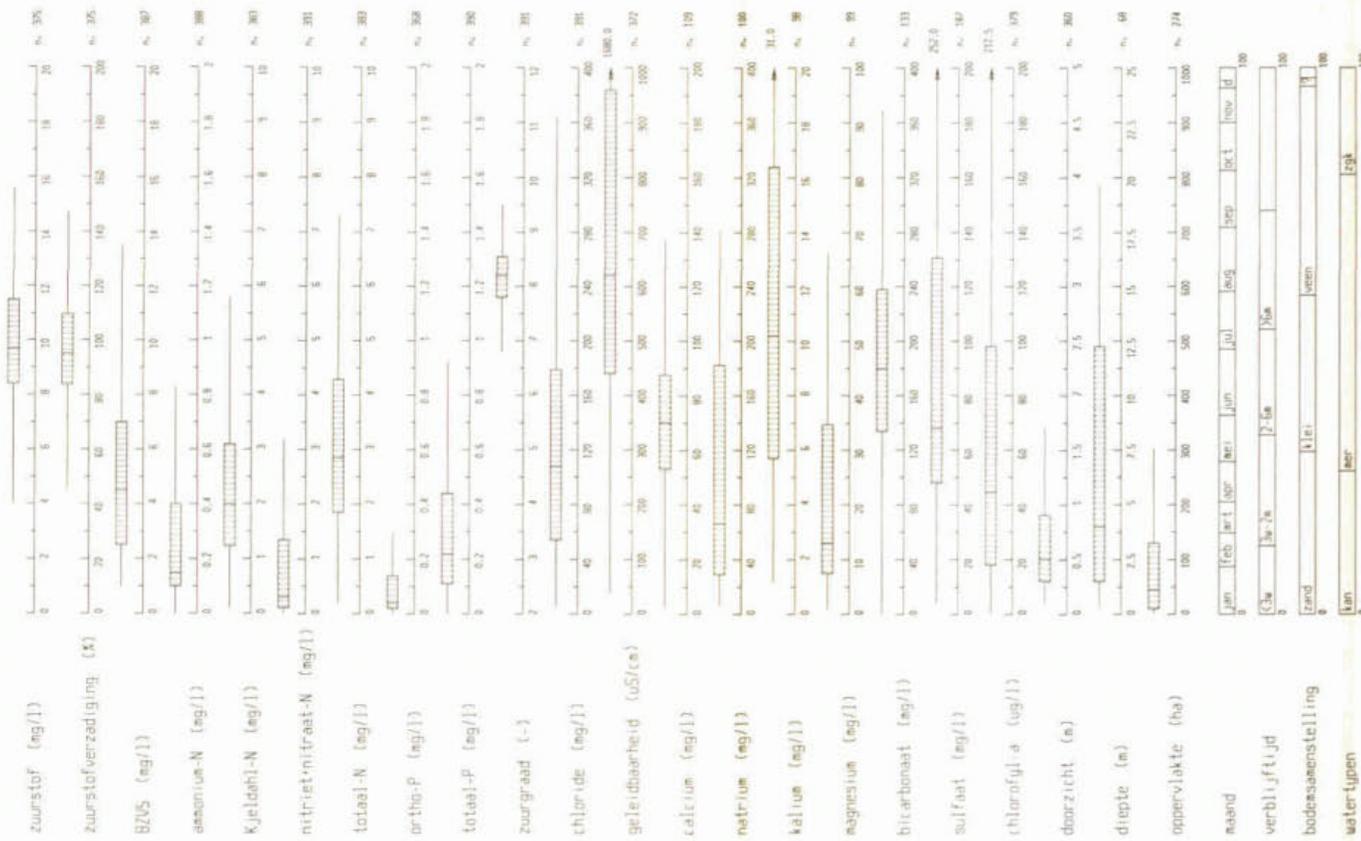
**stowa**  
 Eco-atlas van waterorganismen

vangsten : 408  
 locaties : 167  
 hakken : 161

watertypen  
 □ akten  
 □ stromende wateren  
 □ kanalen

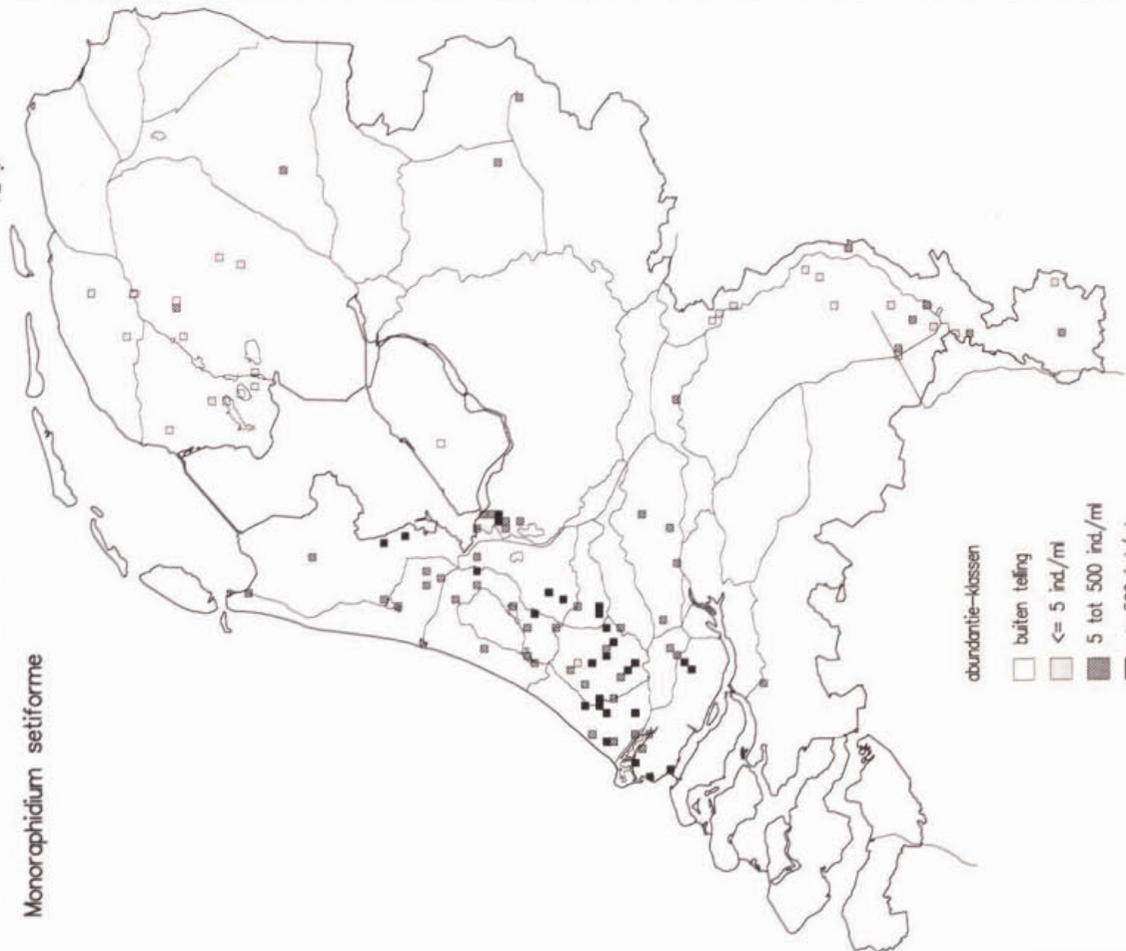
Monoraphidium minutum  
 □ meren  
 □ zand-, grind- en kleigaten

Monoraphidium minutum



Fytoplankton : Chlorofyceae (groenwieren)

Monoraphidium setiforme



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

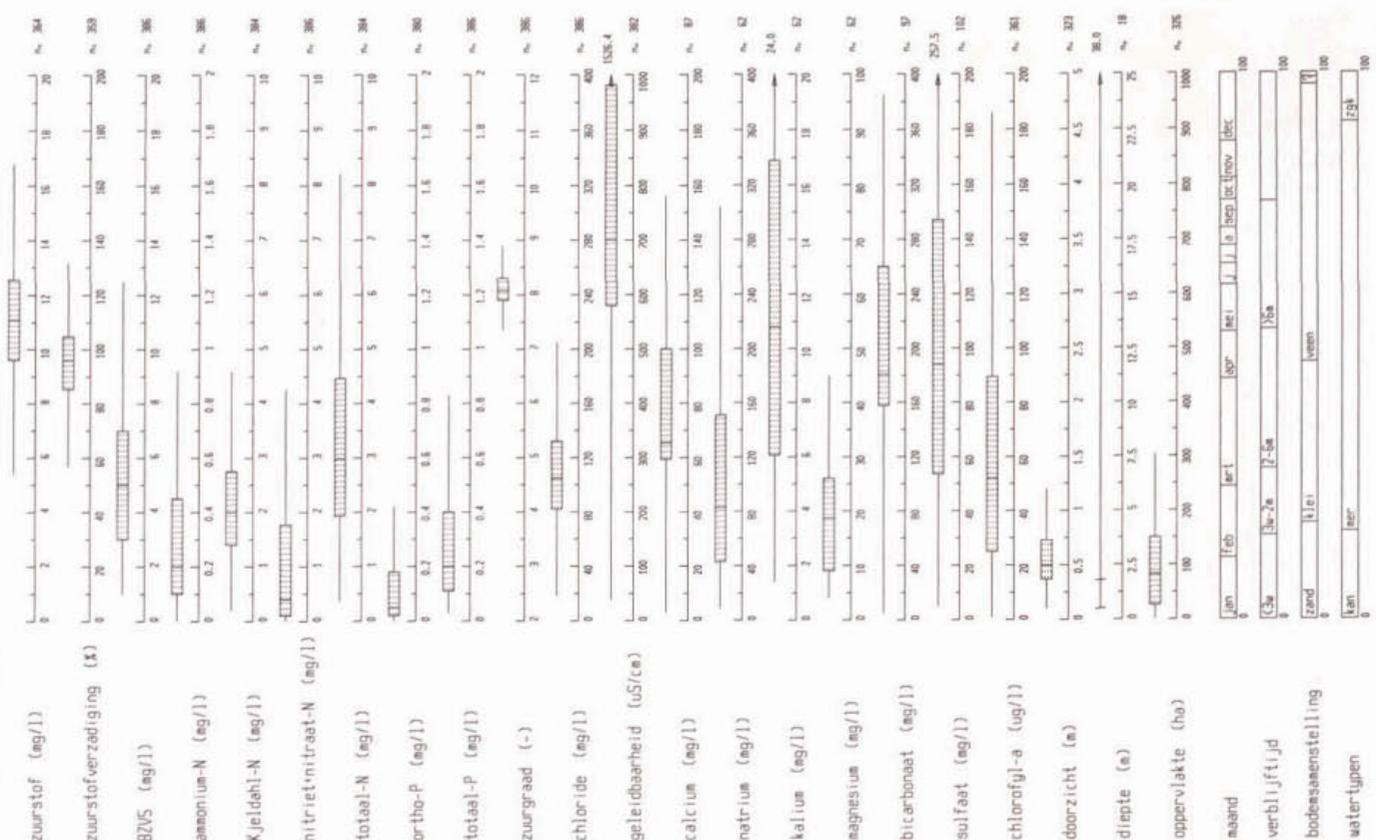
**stowa**  
 Eco-atlas van waterorganismen

Monoraphidium setiforme

waterhopen : 397  
 locaties : 114  
 hokken : 108

waterhopen  slotten  meren   
 stromende wateren  zand-, grind- en kleigaten   
 kranen

Monoraphidium setiforme



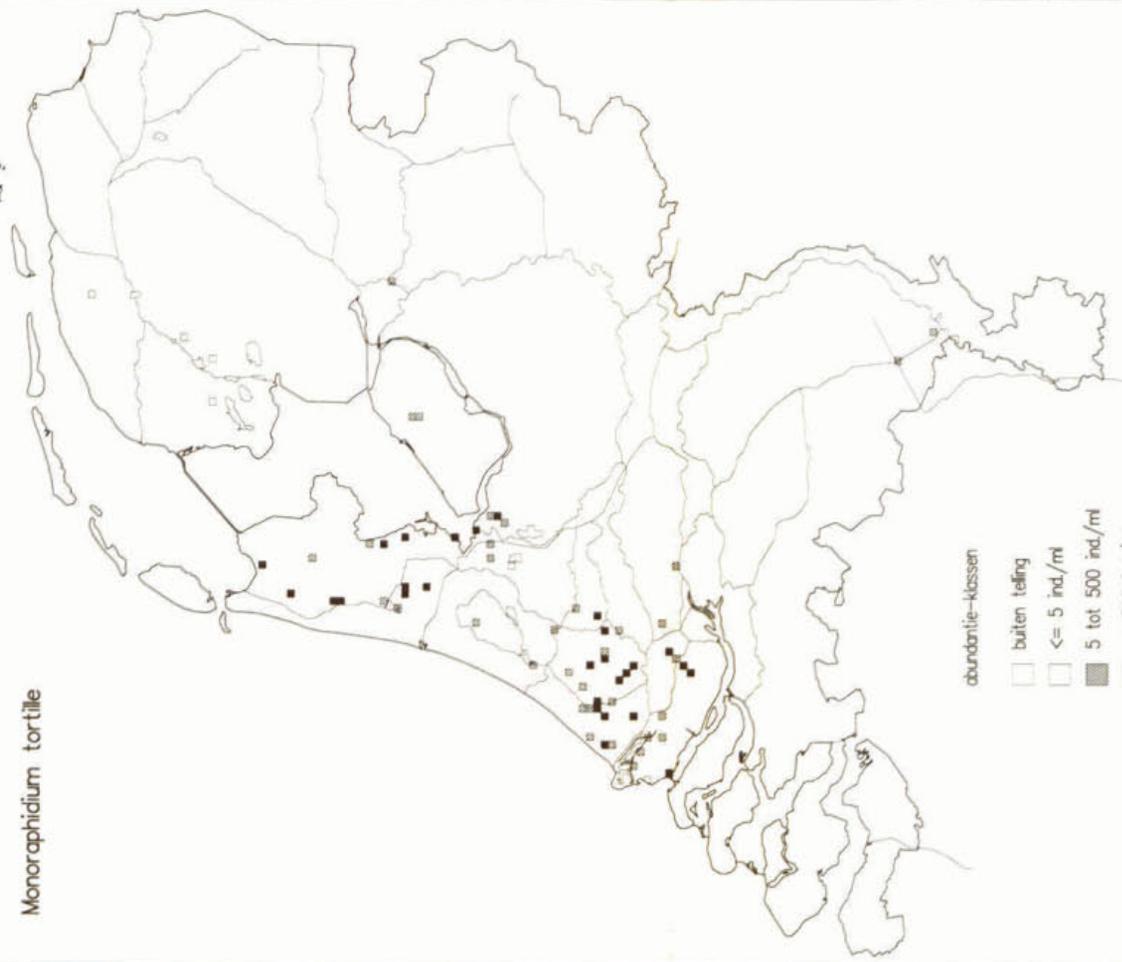
jan feb mar apr mei jun jul aug sep okt nov dec

3.3a 3.3a-2m 12-1m 7.5a

zand klei veen

kan aer

Fytoplankton : Chlorofyceae (groenwieren)  
**Monoraphidium tortille**



abundantie-klasse  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

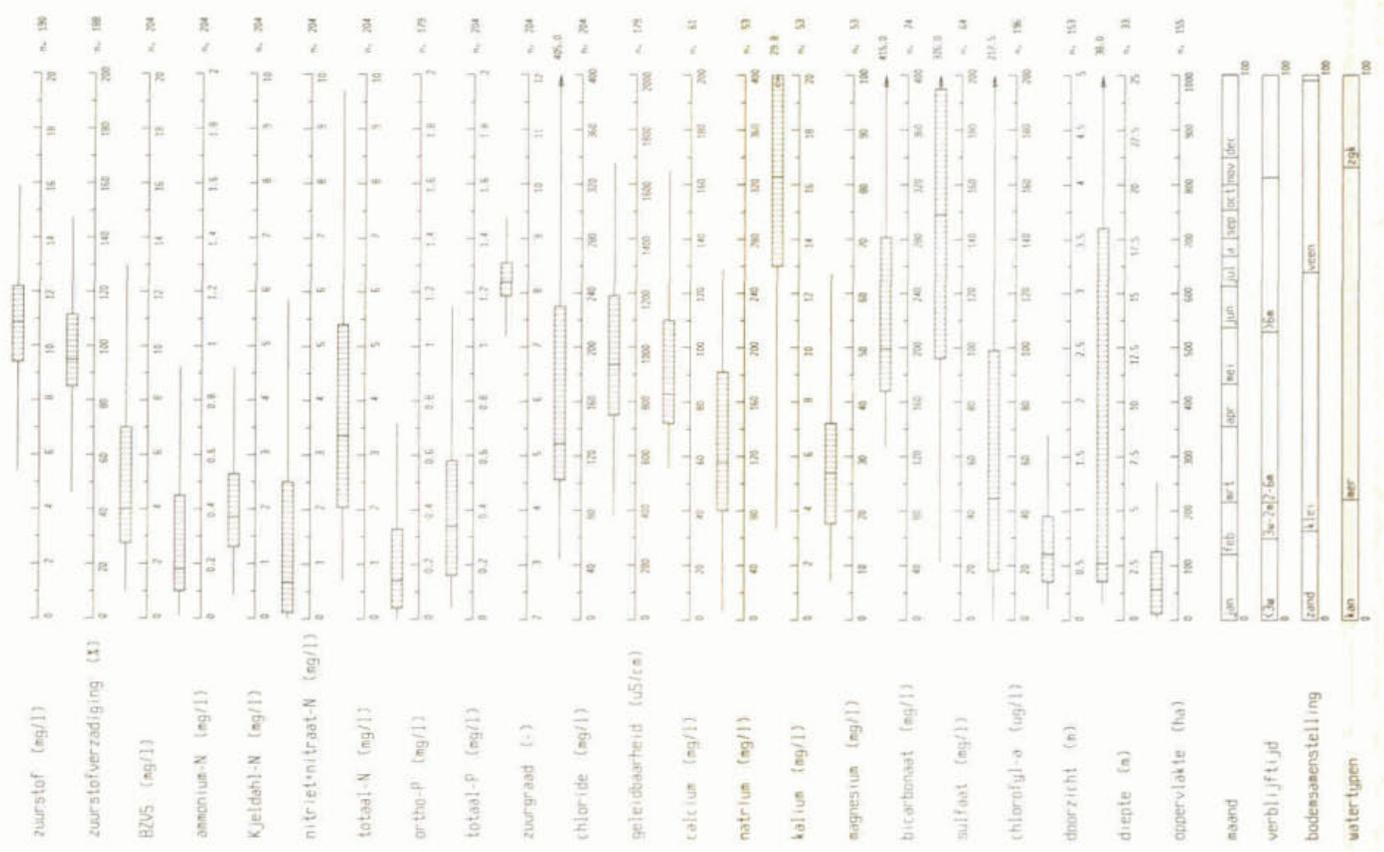
**stowa**  
 Eco-atlas van waterorganismen

**Monoraphidium tortille**

vangsten : 208  
 locaties : 72  
 hokken : 70

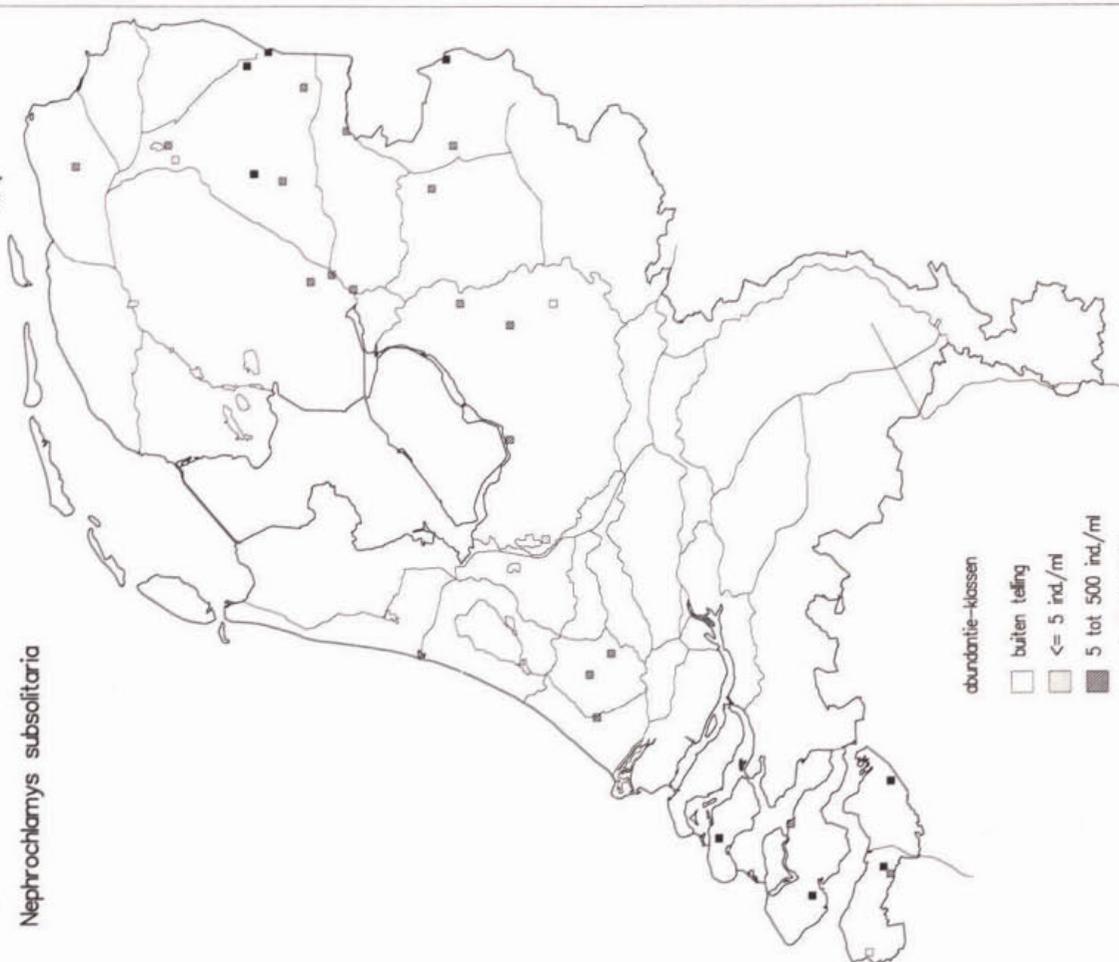
water typen  
 skien  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten

Monoraphidium tortille



Fytoplankton : Chlorofyceae (groenwieren)

**Nephrochlamys subsolitaria**



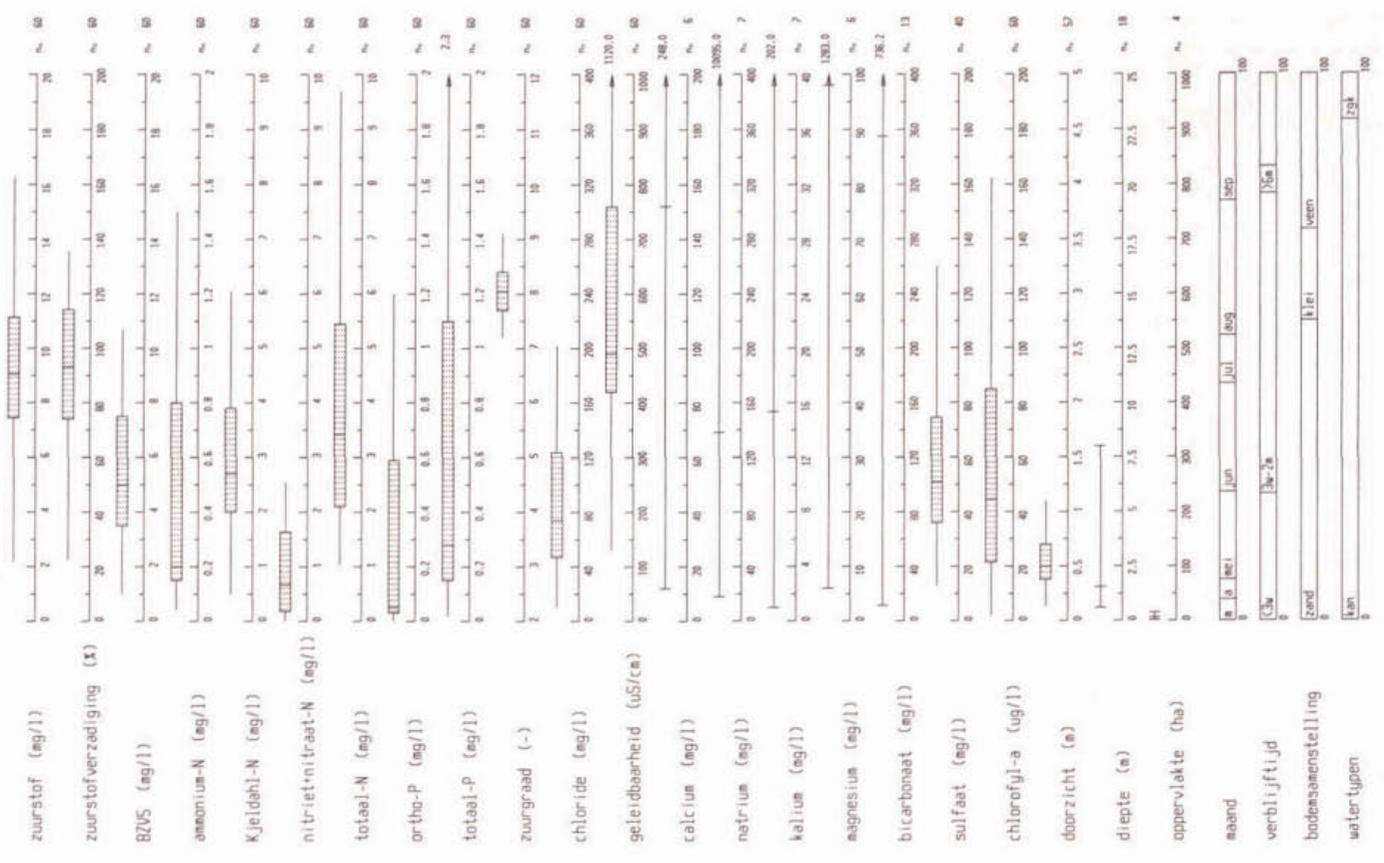
**stowa**  
Eco-atlas van waterorganismen

**Nephrochlamys subsolitaria**

vangsten : 60  
locaties : 31  
hokken : 30

waterlicyten  
 sloten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten

**Nephrochlamys subsolitaria**



maand:  mei  jun  jul  aug  sep

verblijftijd:  1-2  3-4  5-6  7-8  9-10

bodemsamenstelling:  zand  klei  veen

waterlicyten:  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20

Fytoplankton : Chlorofyceae (groenwieren)

*Oocystis lacustris*



abundantie-klassen

□ buiten telling

□ ≤ 5 ind./ml

■ 5 tot 500 ind./ml

■ ≥ 500 ind./ml

water-typen

□ slaten

○ meren

○ stromende wateren

○ kolkputten

vangsten : 90

locaties : 54

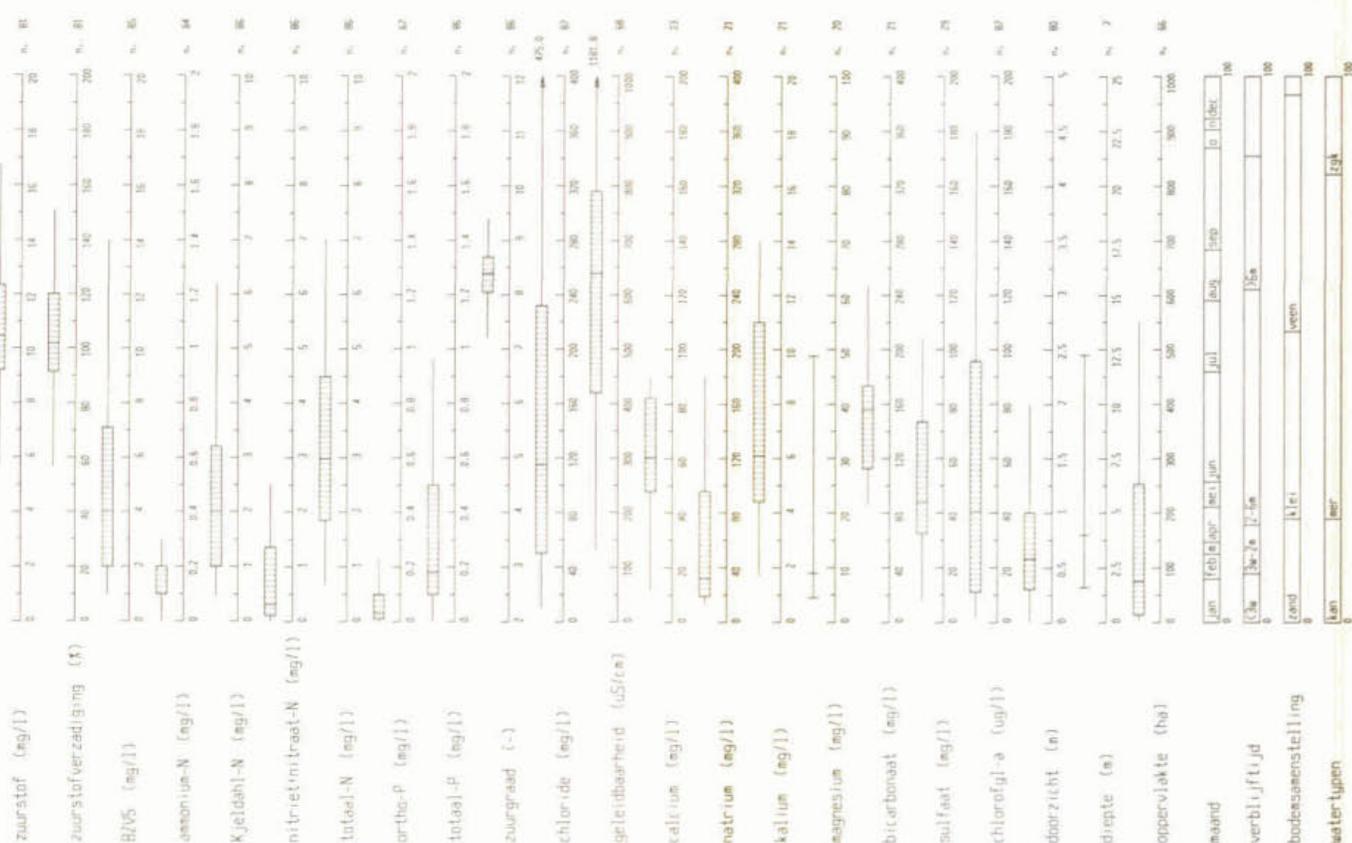
kolken : 51

**stowa**

Eco-atlas van waterorganismen

*Oocystis lacustris*

*Oocystis lacustris*



zuurstof (mg/l)

zuurstofverzadiging (%)

BZVS (mg/l)

ammonium-N (mg/l)

Kjeldahl-N (mg/l)

nitriet/nitraat-N (mg/l)

totaal-N (mg/l)

ortho-P (mg/l)

totaal-P (mg/l)

zuurgraad (-)

chloride (mg/l)

geleidbaarheid (µS/cm)

calcium (mg/l)

natrium (mg/l)

kalium (mg/l)

magnesium (mg/l)

bicarbonaat (mg/l)

sulfaat (mg/l)

chlorofyl-a (µg/l)

doorsicht (m)

diepte (m)

oppervlakte (ha)

maand

verblijftijd

bodemsamenstelling

water-typen

jan feb mar apr mei jun jul aug sep okt nov dec

0 100 200 300 400 500 600 700 800 900 1000

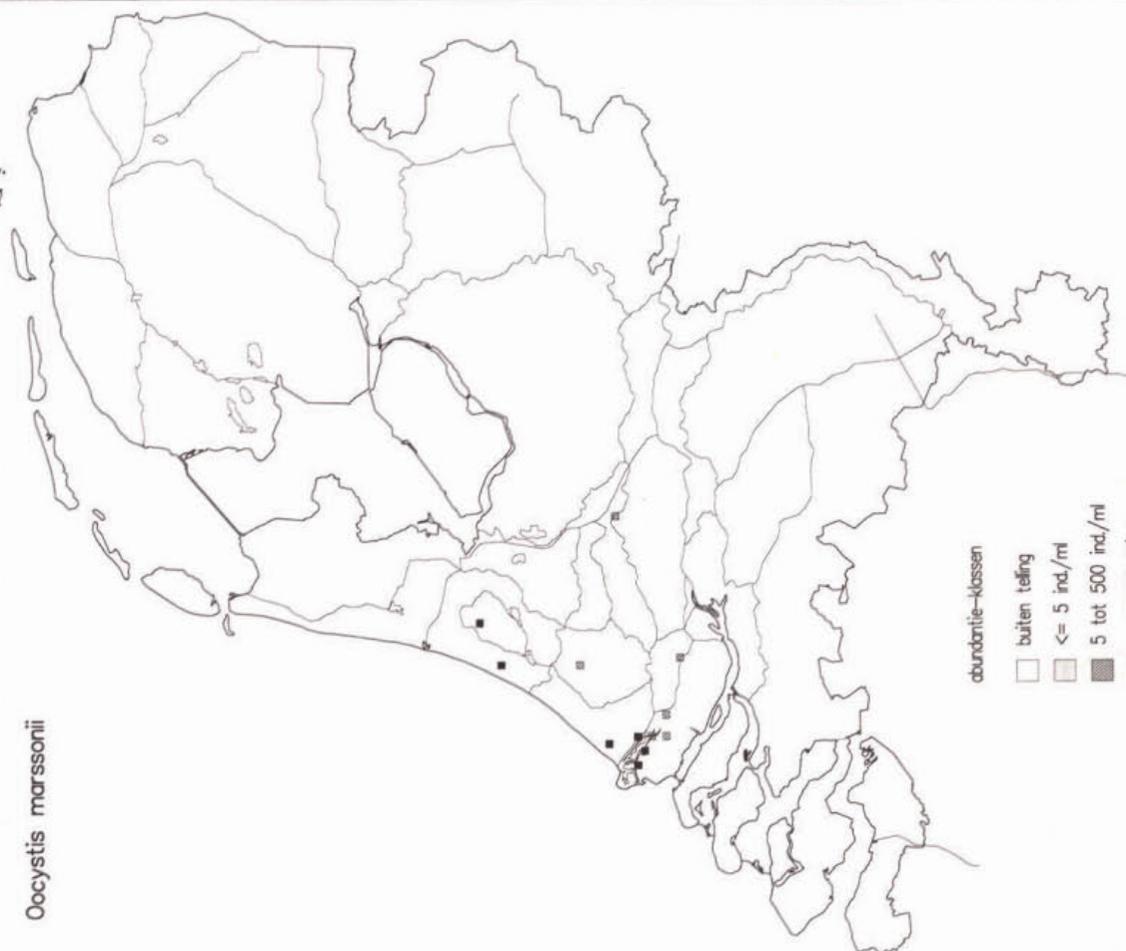
0 100 200 300 400 500 600 700 800 900 1000

0 100 200 300 400 500 600 700 800 900 1000

0 100 200 300 400 500 600 700 800 900 1000

Fytoplankton : Chlorofyceae (groenwieren)

Oocystis marssonii



abundantie-klasse

buiten telling

<= 5 ind./ml

5 tot 500 ind./ml

=> 500 ind./ml

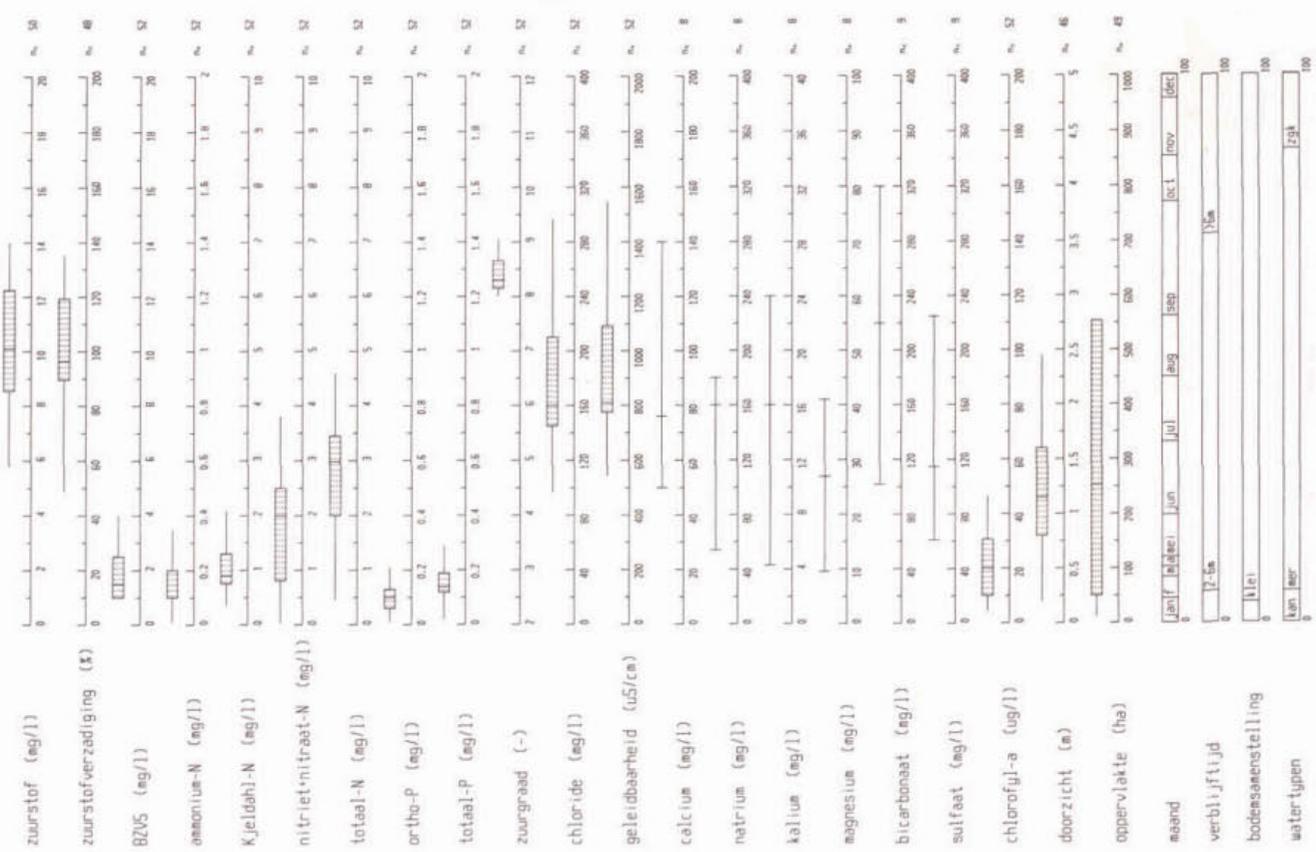
**stowa**

Eco-atlas van waterorganismen

Oocystis marssonii

vangsten : 52	watertypen	<input type="checkbox"/> sloten	<input checked="" type="checkbox"/> meren
locaties : 12		<input type="checkbox"/> stromende wateren	<input checked="" type="checkbox"/> zand-, grind- en kleigaten
hokken : 12		<input checked="" type="checkbox"/> kanalen	

Oocystis marssonii



Fytoplankton : Chlorofyceae (groenwieren)

Oocystis parva



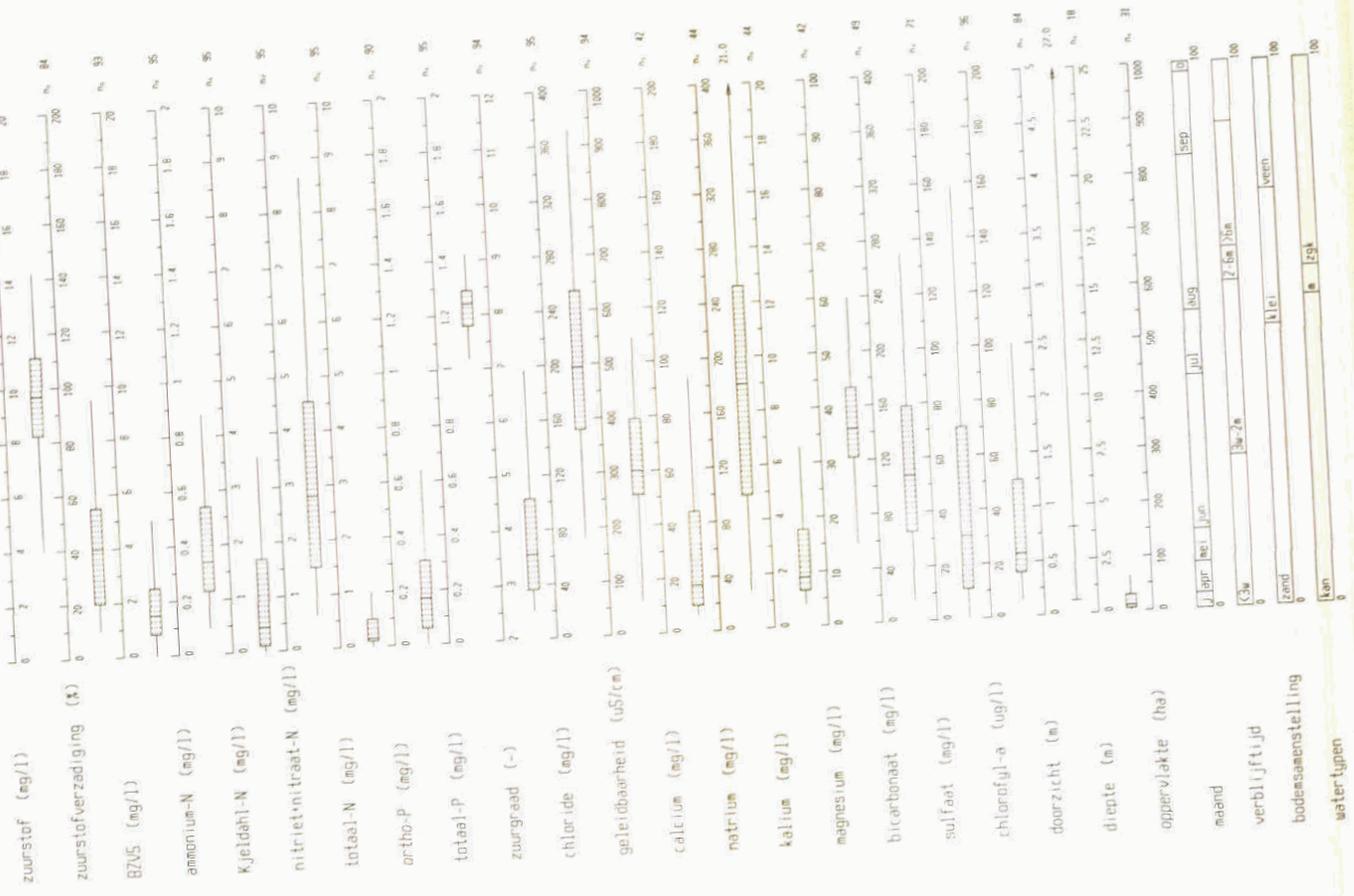
Oocystis parva

vangsten : 97  
 localities : 57  
 hokken : 55



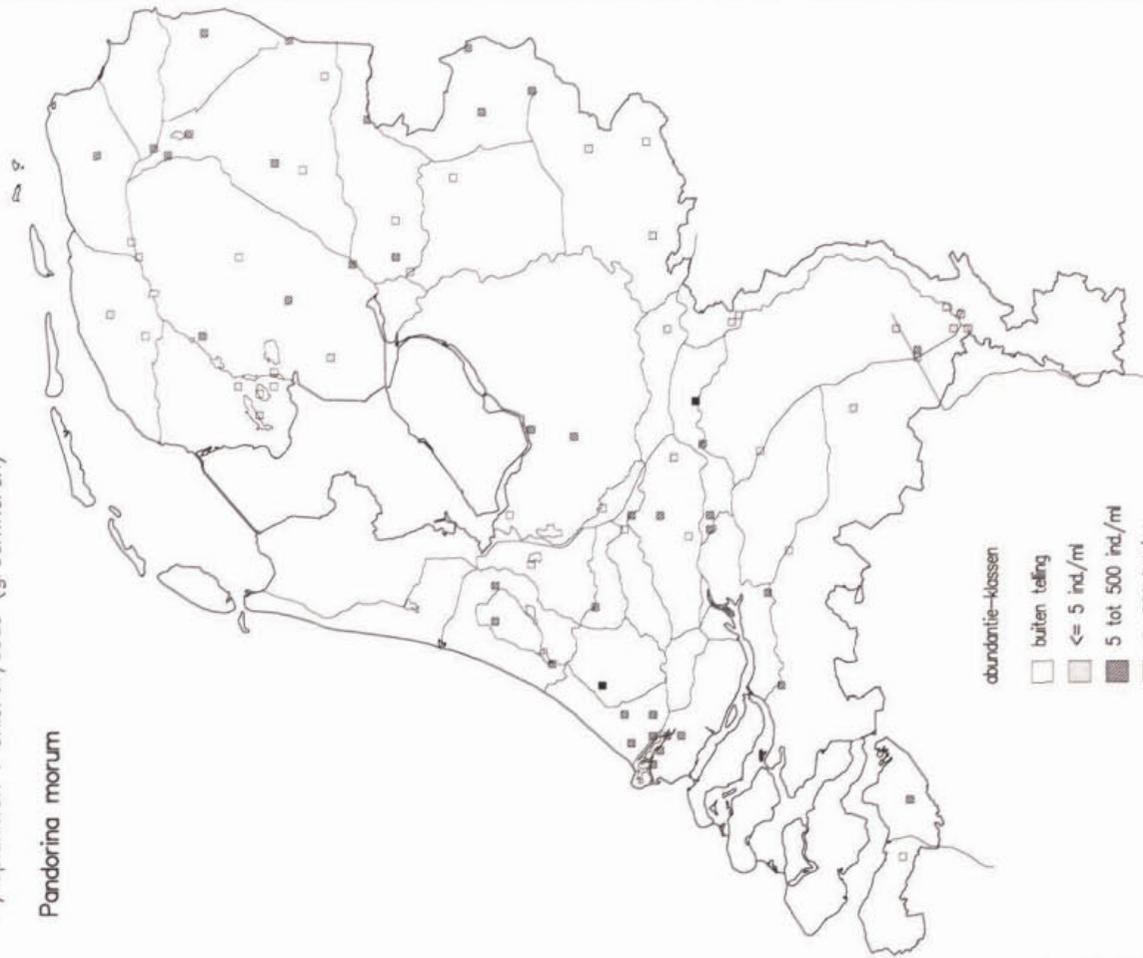
Eco-atlas van waterorganismen

Oocystis parva



Fytoplankton : Chlorofyceae (groenwieren)

**Pandorina morum**



abundantie-klassen

- buiten telling
- <= 5 ind./m<sup>3</sup>
- 5 tot 500 ind./m<sup>3</sup>
- => 500 ind./m<sup>3</sup>

**Pandorina morum**

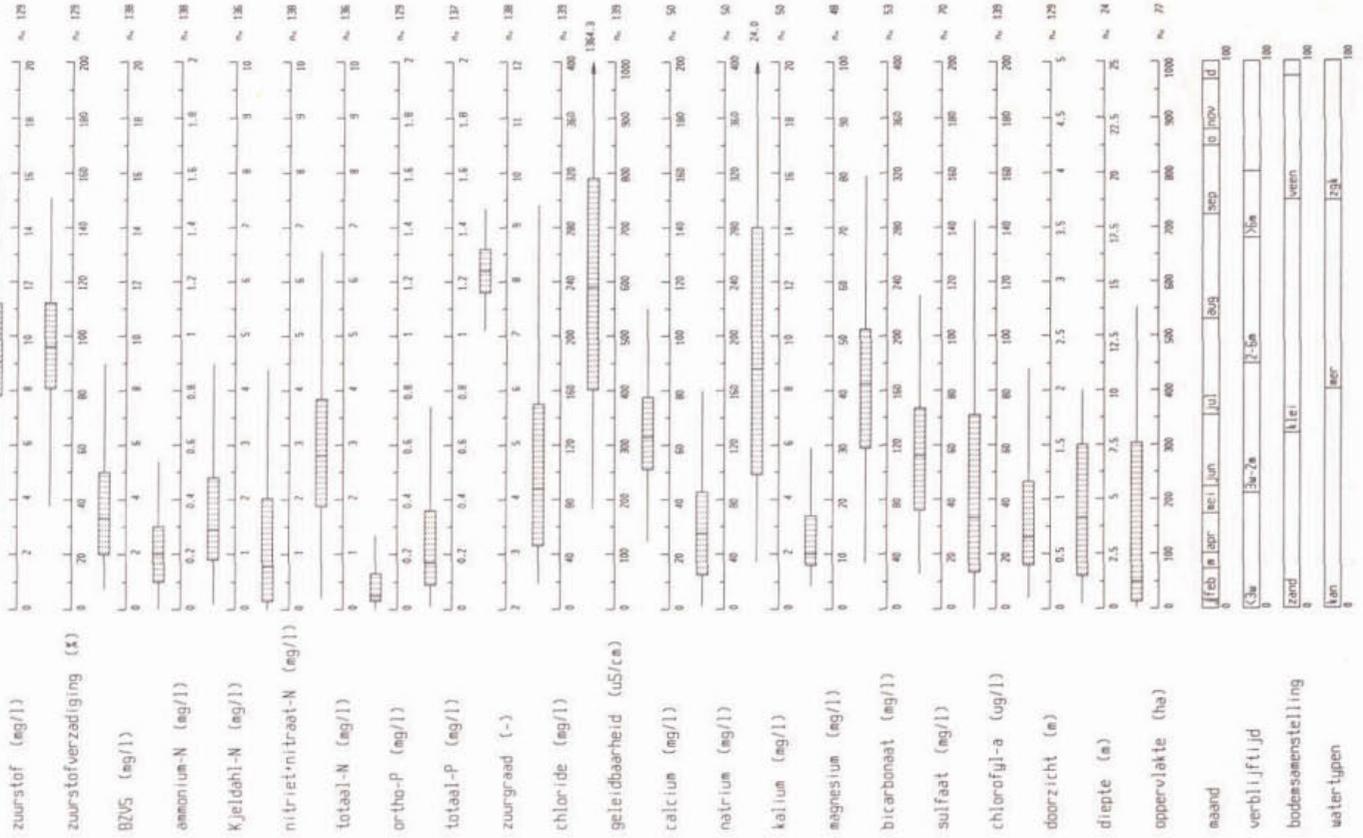
- vangsten : 146
- locaties : 80
- hokken : 79

- sloten
- stromende wateren
- kanden

- meren
- zand-, grind- en kleigaten

**stowa**  
Eco-atlas van waterorganismen

**Pandorina morum**



maand:  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

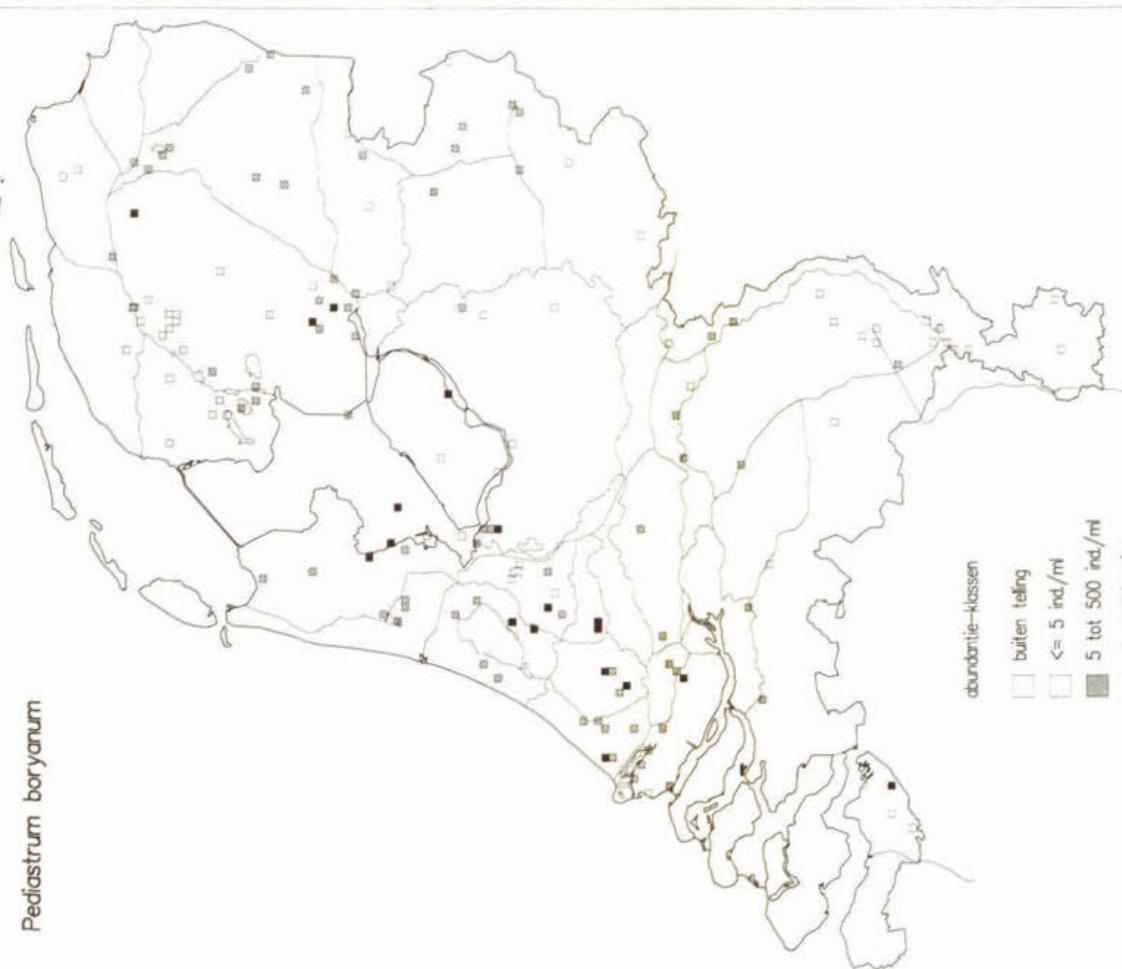
plaats:  3a-7a  7-5a  5a  10a

land:  klei  veen  100

kan:  aer  3pt  100

Fytoplankton : Chlorofyceae (groenwieren)

**Pediastrum boryanum**



abundantie-klassen  
 buiten telling  
 <= 5 ind./m<sup>3</sup>  
 5 tot 500 ind./m<sup>3</sup>  
 => 500 ind./m<sup>3</sup>

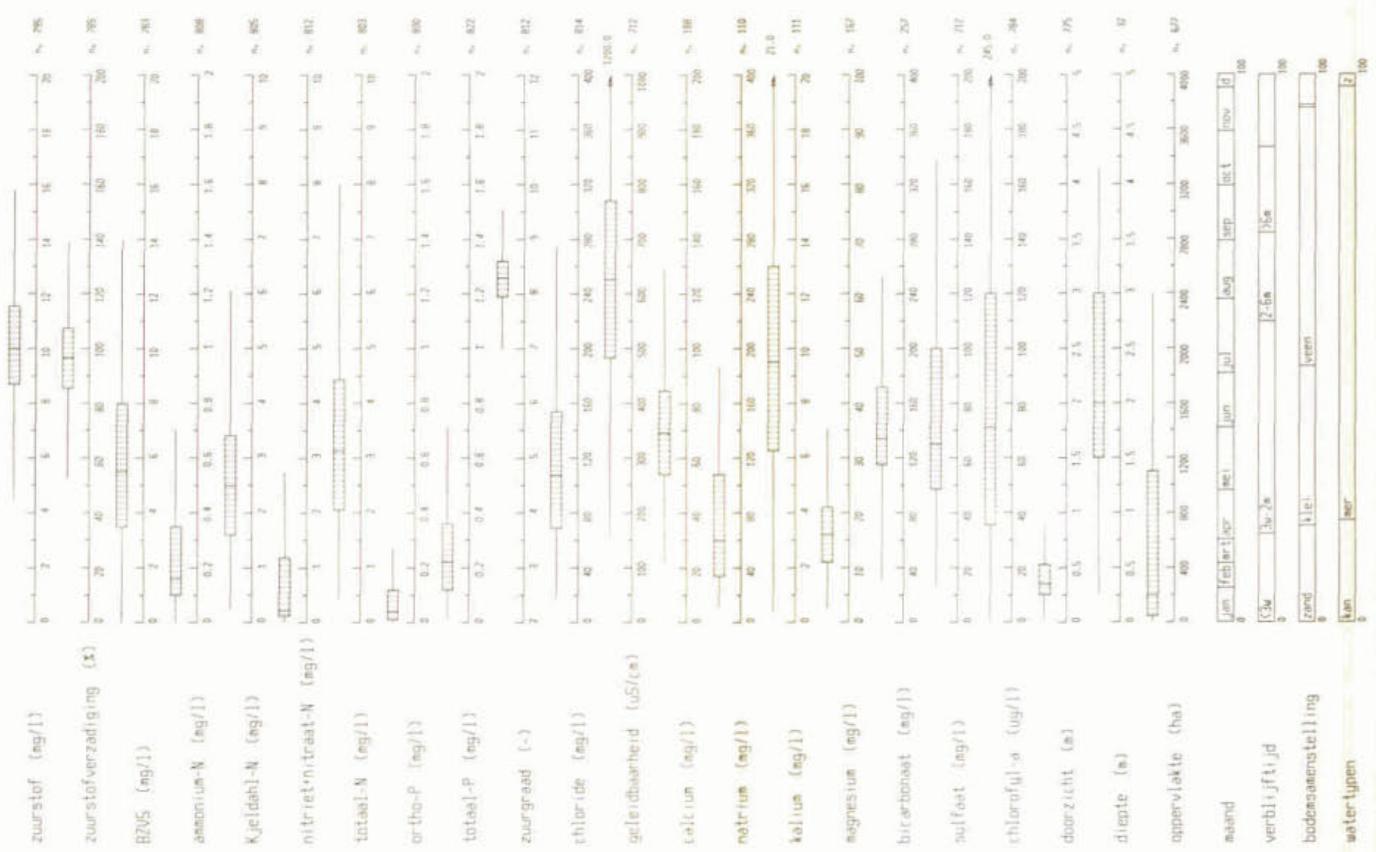
**Pediastrum boryanum**

vangsten : 850  
 locaties : 154  
 hakken : 146

watertypen  
 akten  
 stromende wateren  
 zand-, grind- en kleigaten

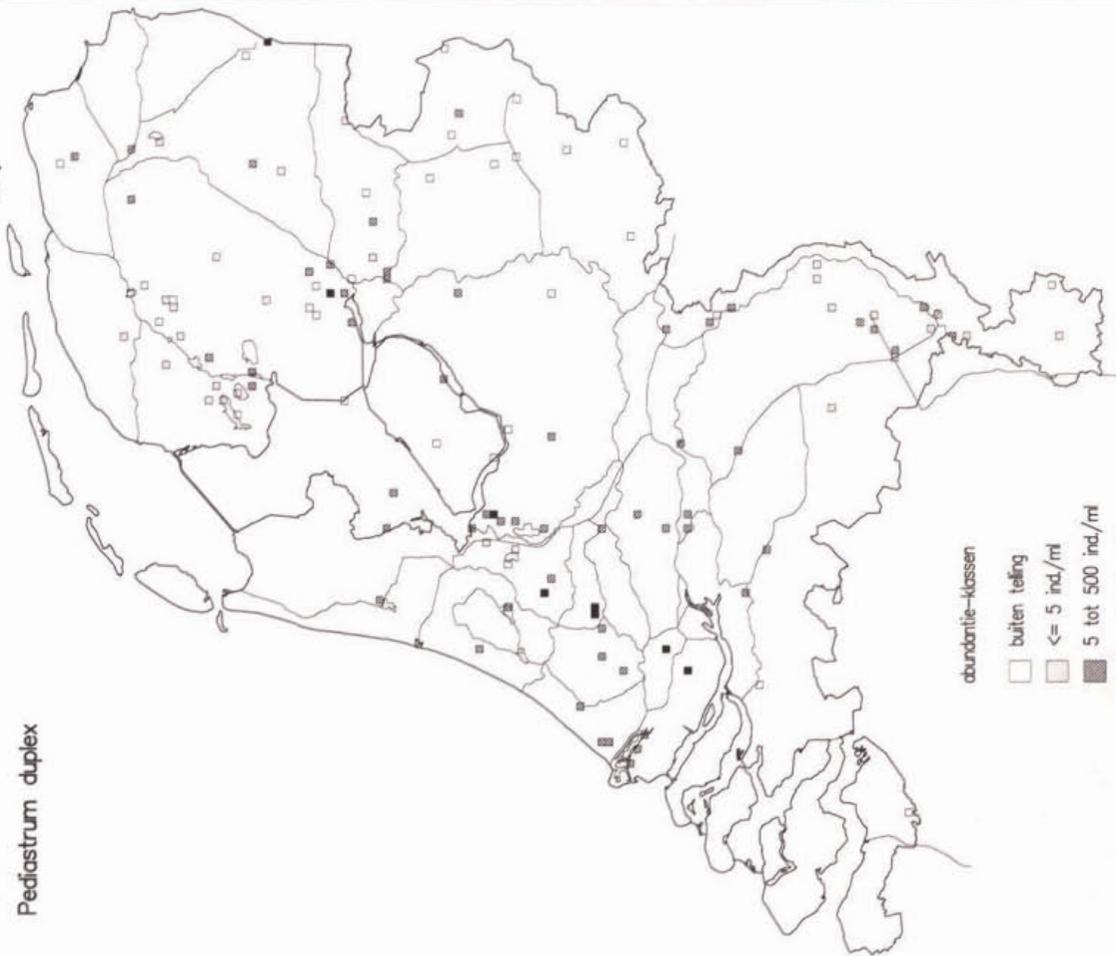
**stowa**  
 Eco-atlas van waterorganismen

**Pediastrum boryanum**



Fytoplankton : Chlorofyceae (groenwieren)

Pediastrum duplex



abundantie-klassen

- buiten telling
- ≤ 5 ind./ml
- 5 tot 500 ind./ml
- ≥ 500 ind./ml

**stowa**

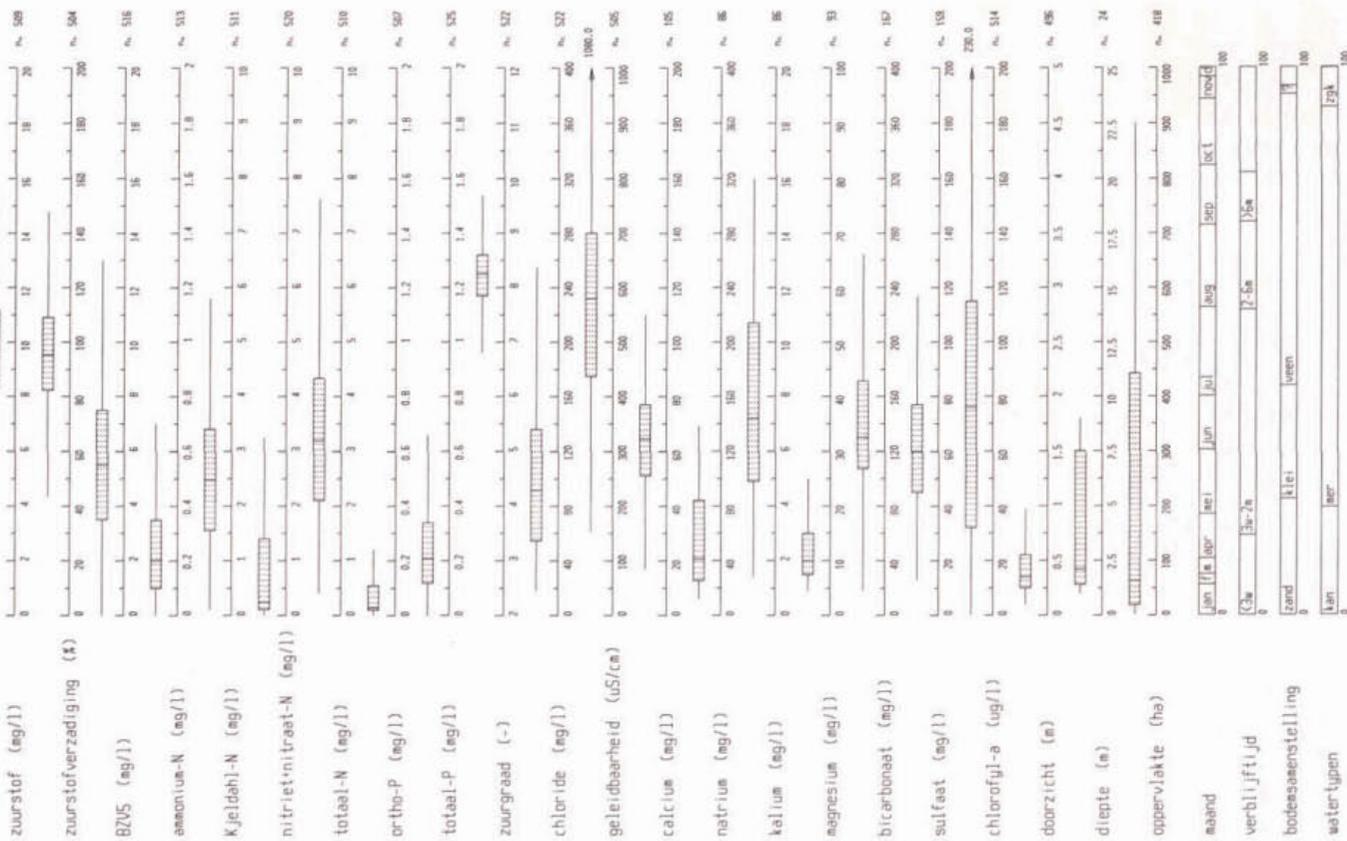
Eco-atlas van waterorganismen

vangsten : 542  
locaties : 128  
hakken : 123

Pediastrum duplex

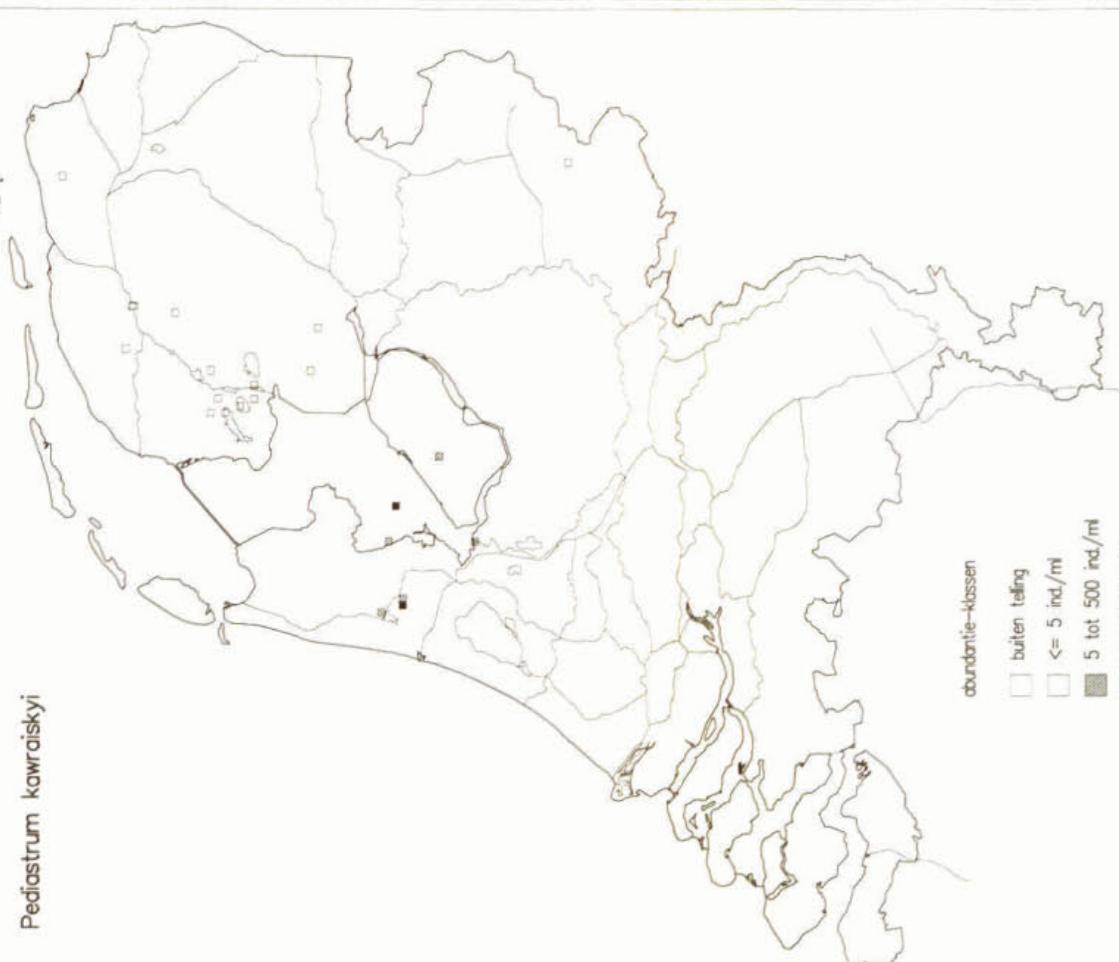
watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten

Pediastrum duplex



Fytoplankton : Chlorofyceae (groenwieren)

Pediastrum kawraiskyi



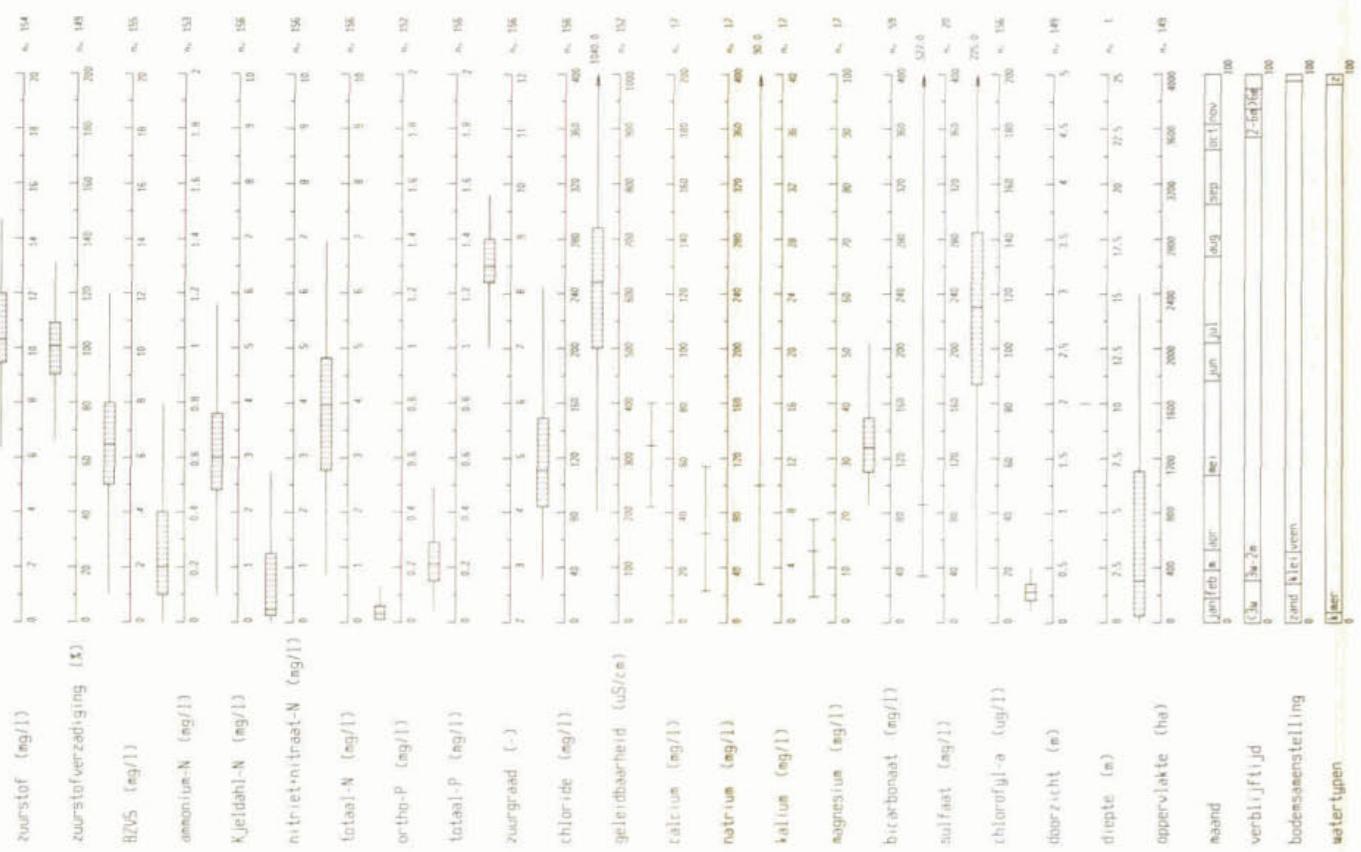
Pediastrum kawraiskyi

vangsten : 156	water-typen	<input type="checkbox"/> sloten	<input checked="" type="checkbox"/> meren
locaties : 22		<input type="checkbox"/> stromende wateren	<input checked="" type="checkbox"/> zand-, grind- en kleigaten
hokken : 22		<input checked="" type="checkbox"/> konden	



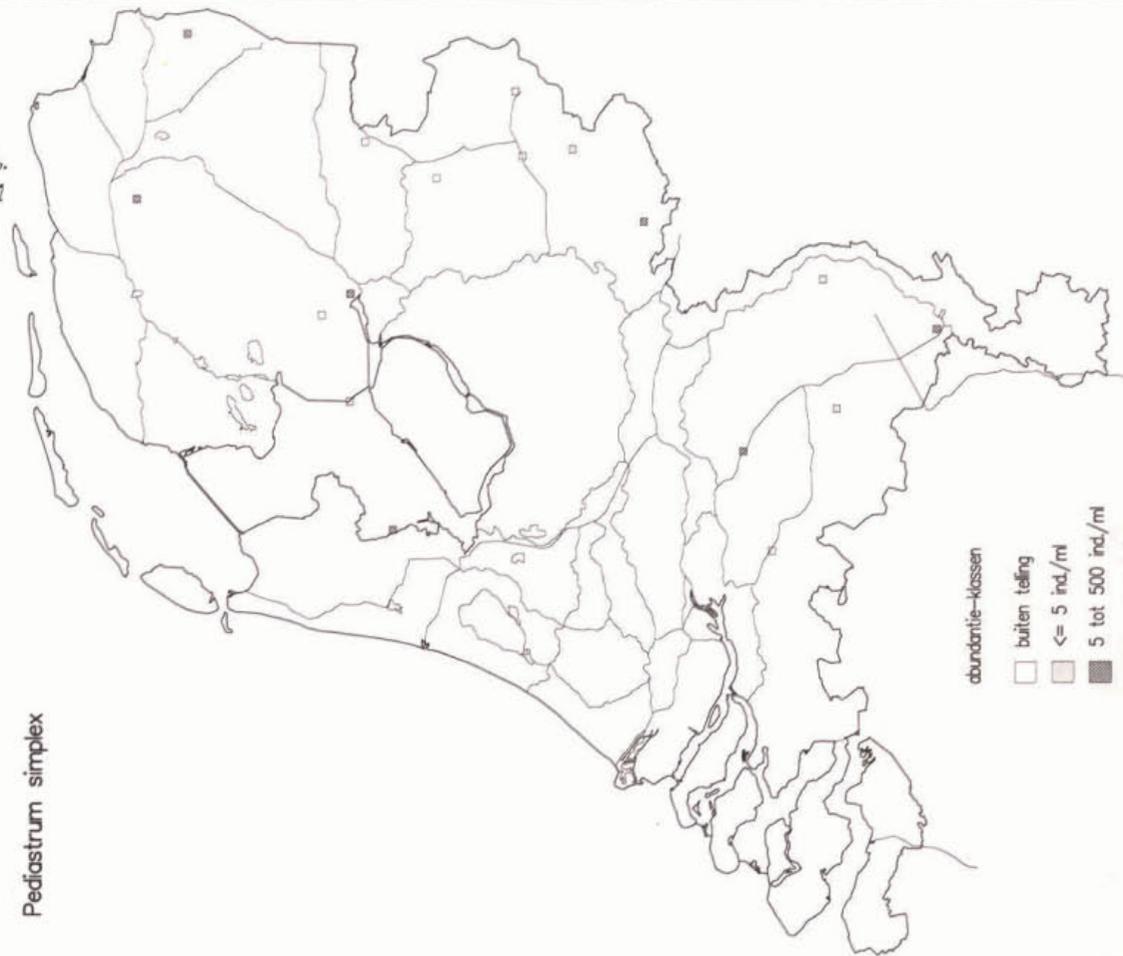
Eco-atlas van waterorganismen

Pediastrum kawraiskyi



Fytoplankton : Chlorofyceae (groenwieren)

Pediastrum simplex



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

**stowa**

Eco-atlas van waterorganismen

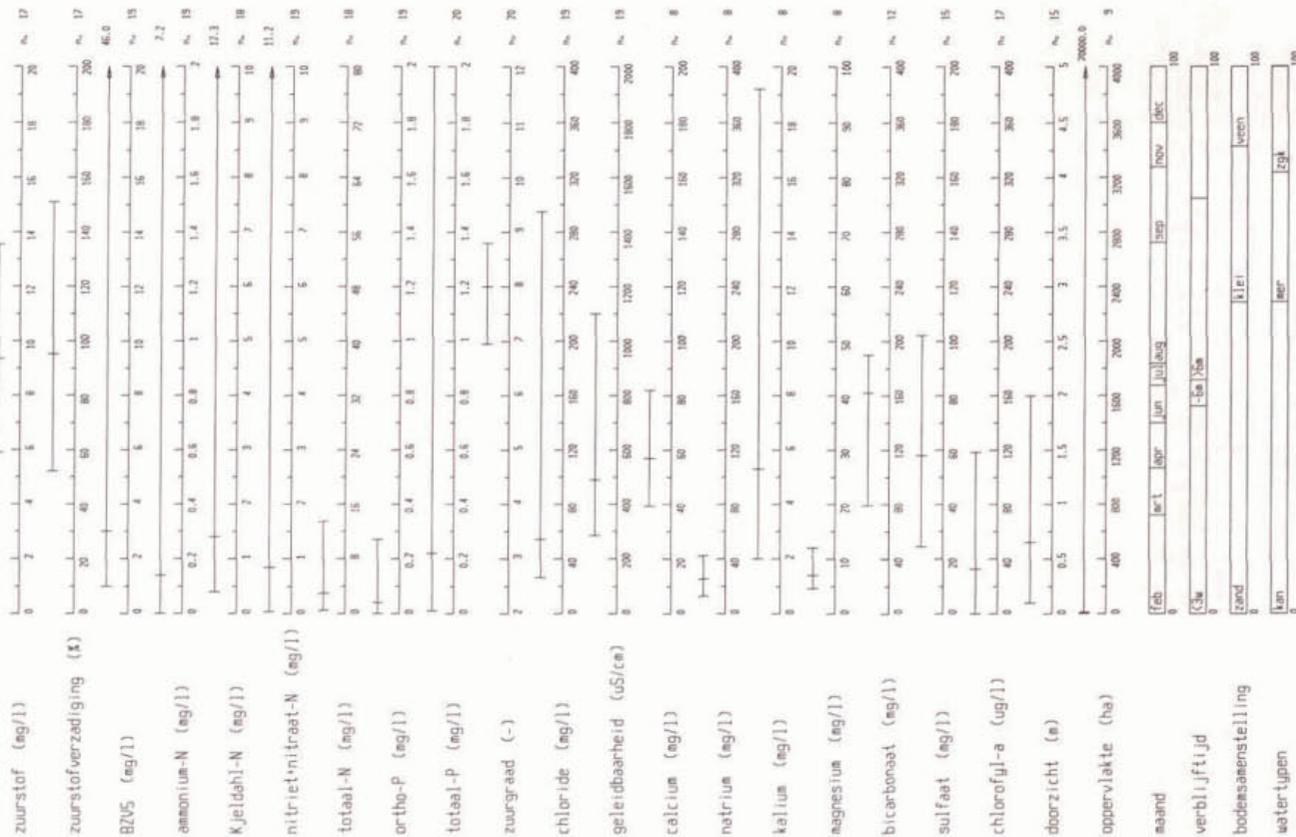
Pediastrum simplex

- vangsten : 21
- locaties : 17
- hakken : 17

watertypen

- sloten
- stromende wateren
- zand-, grind- en kleigaten
- meren
- kanalen

Pediastrum simplex



maand

verbliftijd

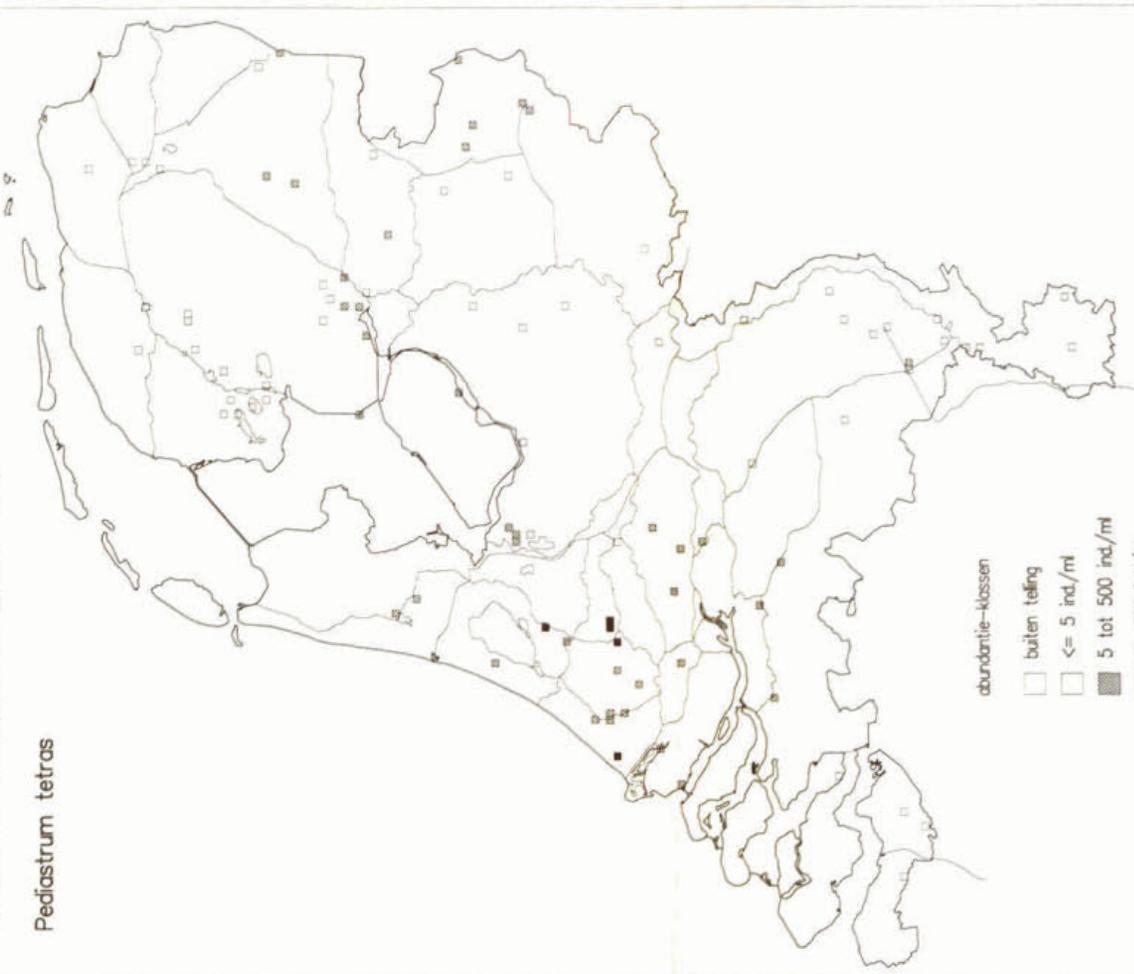
bodemsaenstelling

watertypen

Feb	Mar	Apr	Jun	Jul	Aug	Sep	Nov	Dec	100
3	4	5	6	7	8	9	10	11	12
Zand									100
Kan									100

Fytoplankton : Chlorofyceae (groenwieren)

Pediastrum tetras



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

Pediastrum tetras

vangsten : 264  
 locaties : 102  
 hokken : 96

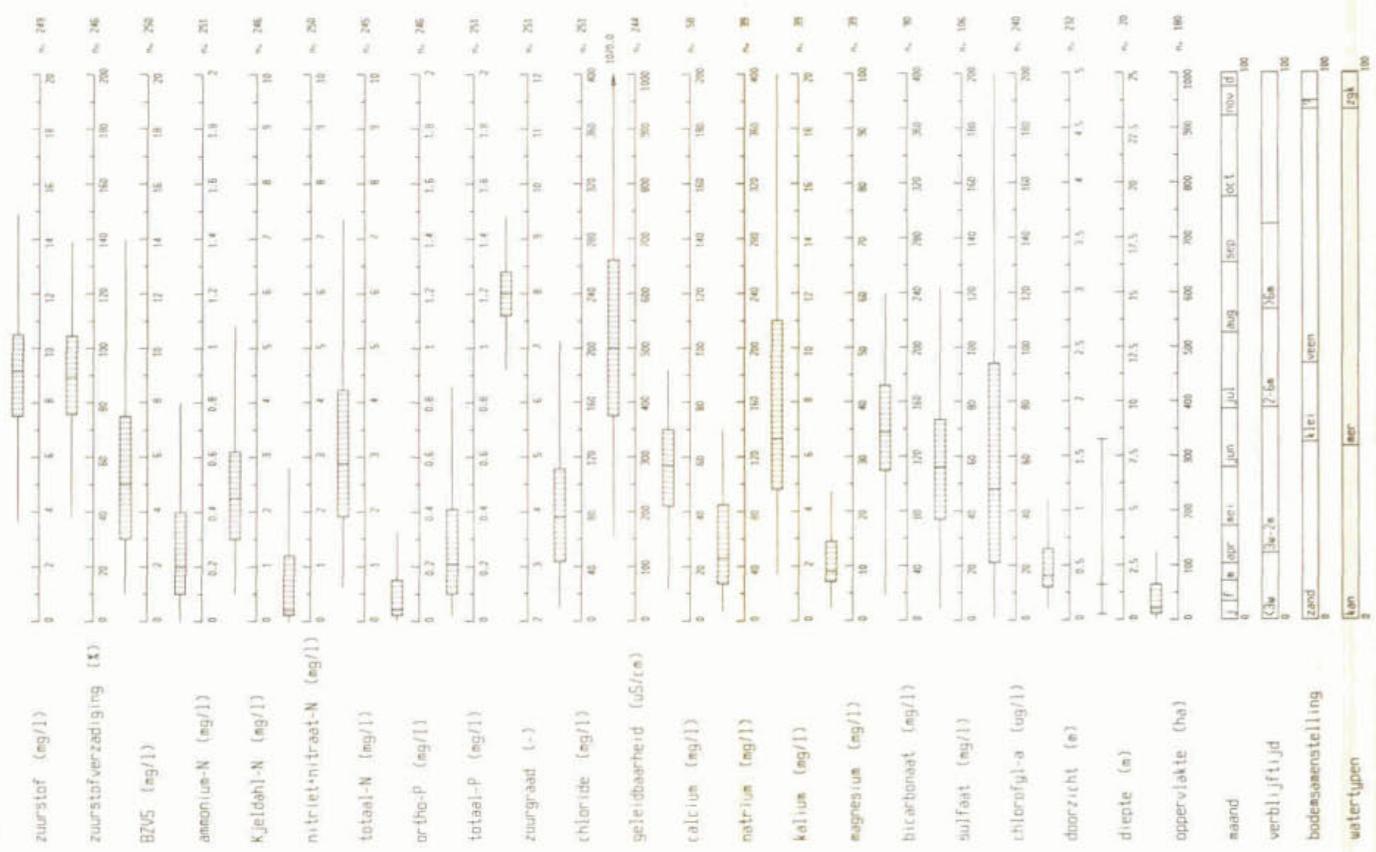
watertypen  
 □ sloten  
 □ stromende wateren  
 □ zand-, grind- en kleigaten

watertypen  
 □ sloten  
 □ stromende wateren  
 □ zand-, grind- en kleigaten



Eco-atlas van waterorganismen

Pediastrum tetras



Fytoplankton : Chlorofyceae (groenwieren)

Phacotus lendneri

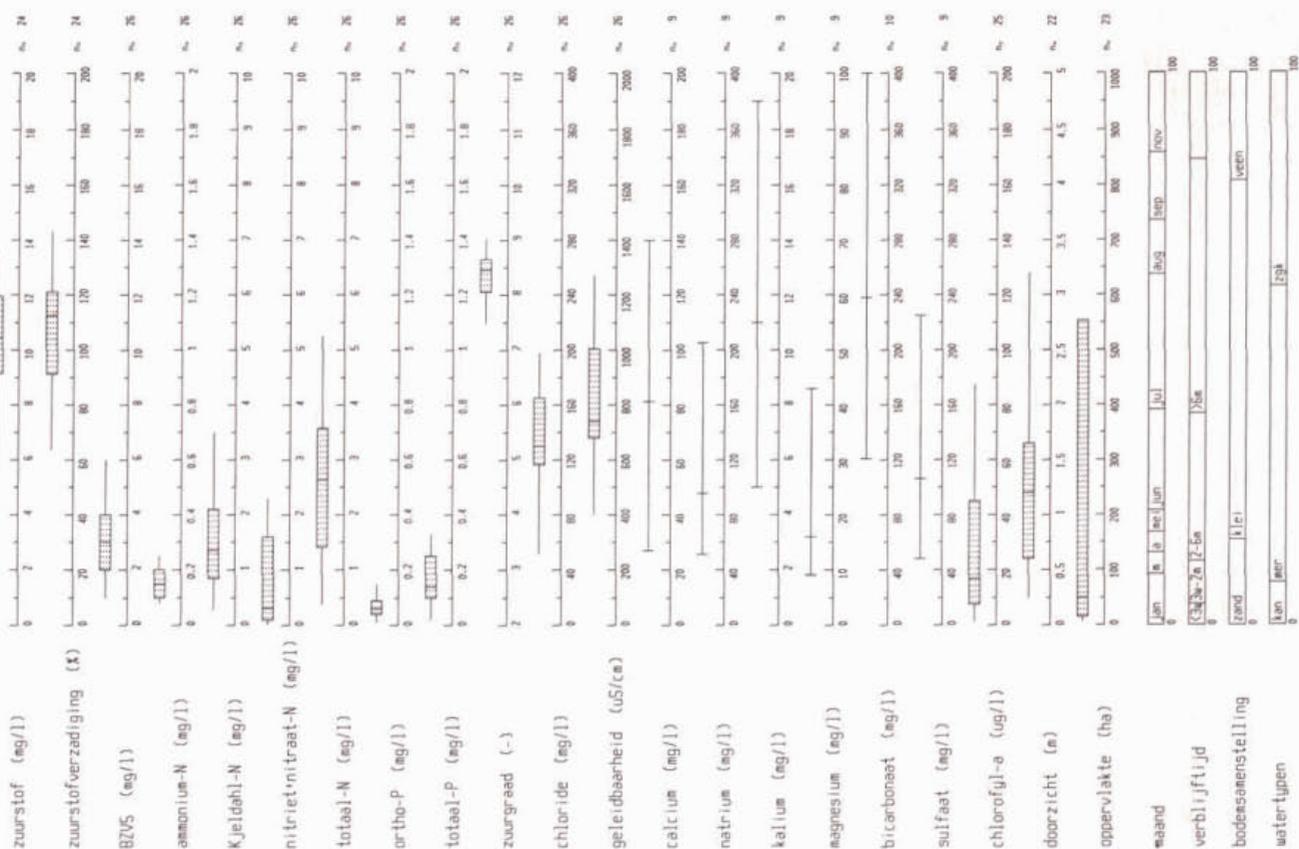


abundantie-klassen  
 □ buiten telling  
 ◻ ≤ 5 ind./ml  
 ◻ 5 tot 500 ind./ml  
 ◼ ≥ 500 ind./ml

**stowa**  
 Eco-atlas van waterorganismen

Phacotus lendneri  
 vangsten : 26  
 locaties : 18  
 hoeken : 18  
 watertypen  
 □ skoten  
 ◻ mieren  
 ◻ stromende wateren  
 ◻ zand-, grind- en kleigaten  
 ◻ kanalen

Phacotus lendneri



Jan 93 Jun 93 Nov 93  
 Jul 94 Aug 94 Sep 94  
 1995  
 1-5m  
 zand klei  
 kun jaar  
 100  
 100  
 100  
 100

Fytoplankton : Chlorofyceae (groenwieren)

Phocotus lenticularis



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

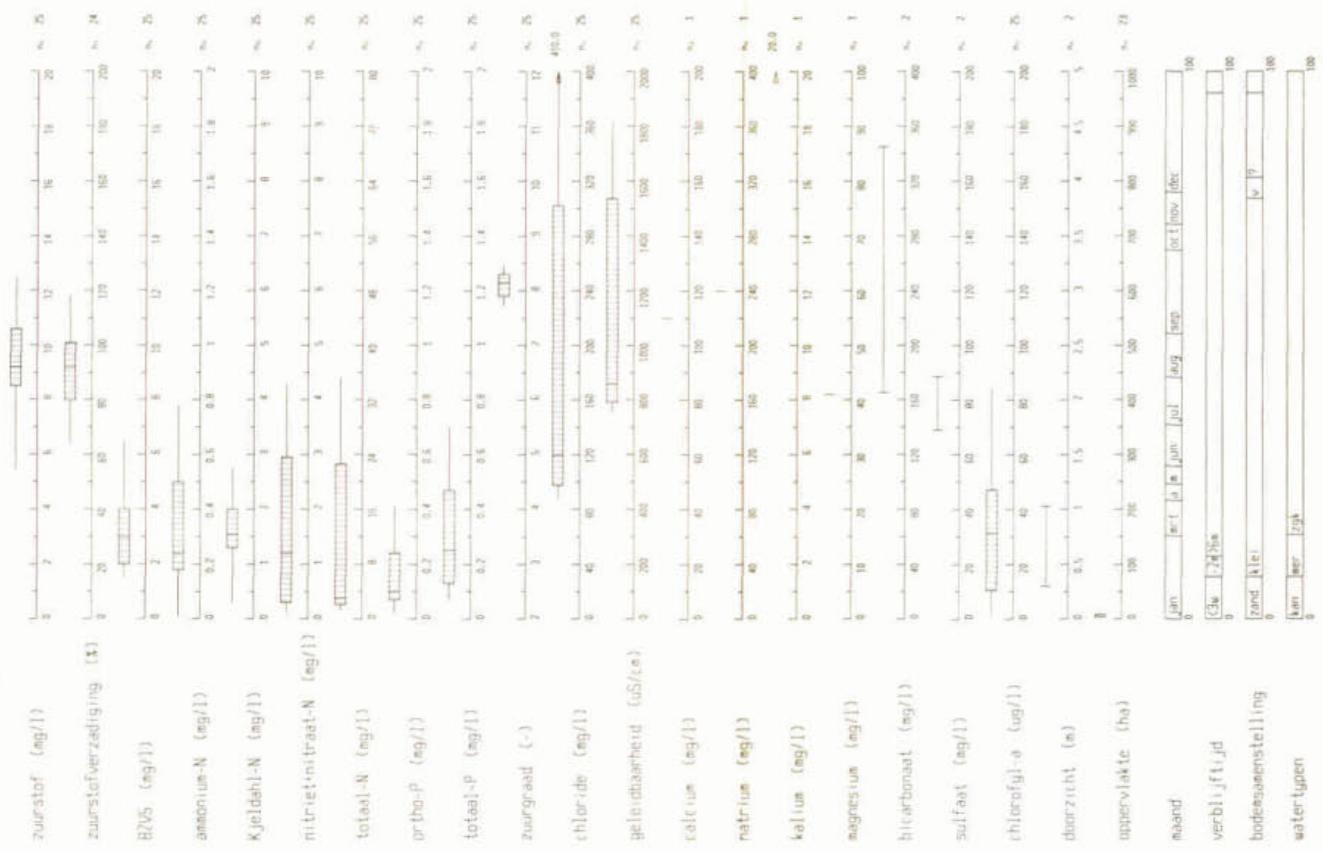


Eco-atlas van waterorganismen

Phocotus lenticularis

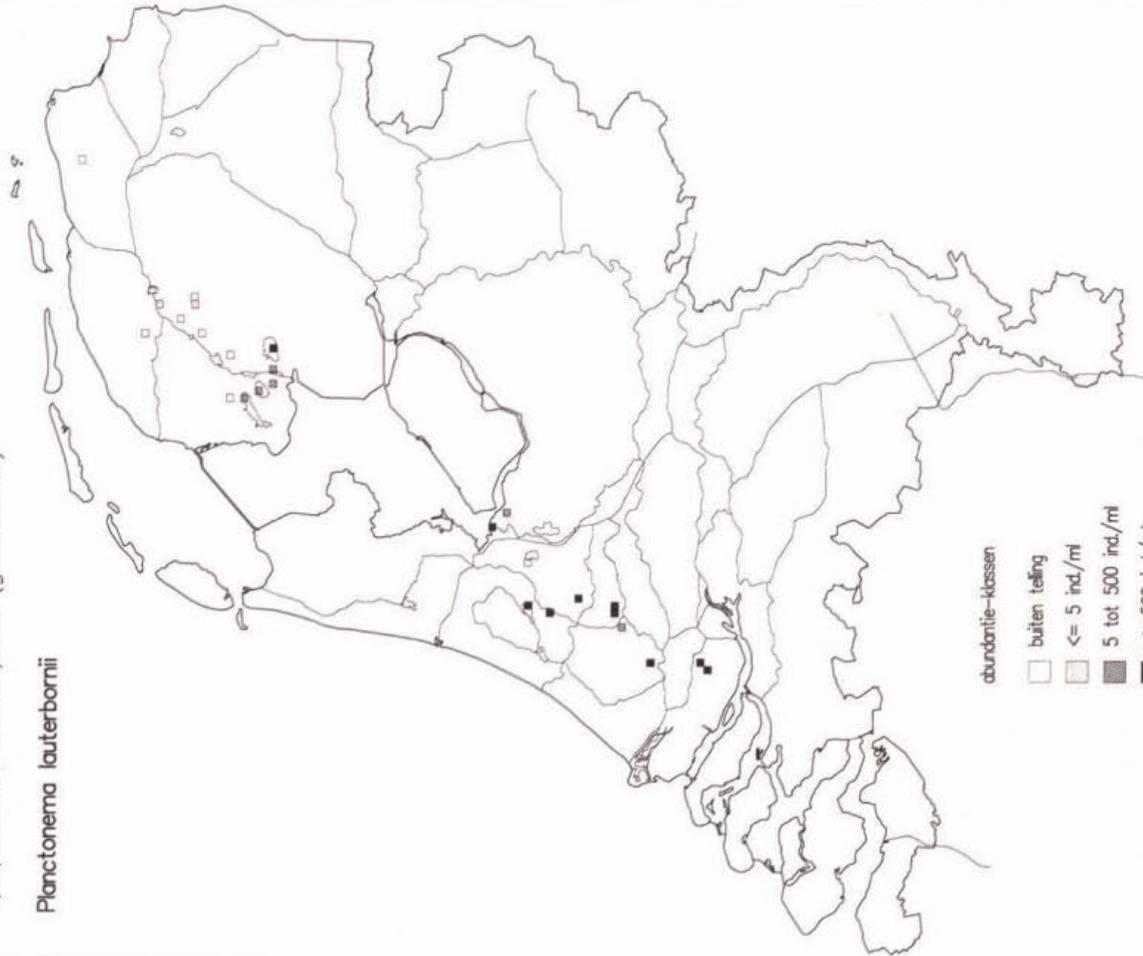
- vangsten : 26  
 locaties : 6  
 hokken : 6
- watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

Phocotus lenticularis



Fytoplankton : Chlorofyceae (groenwieren)

Planctonema lauterbornii



**stowa**

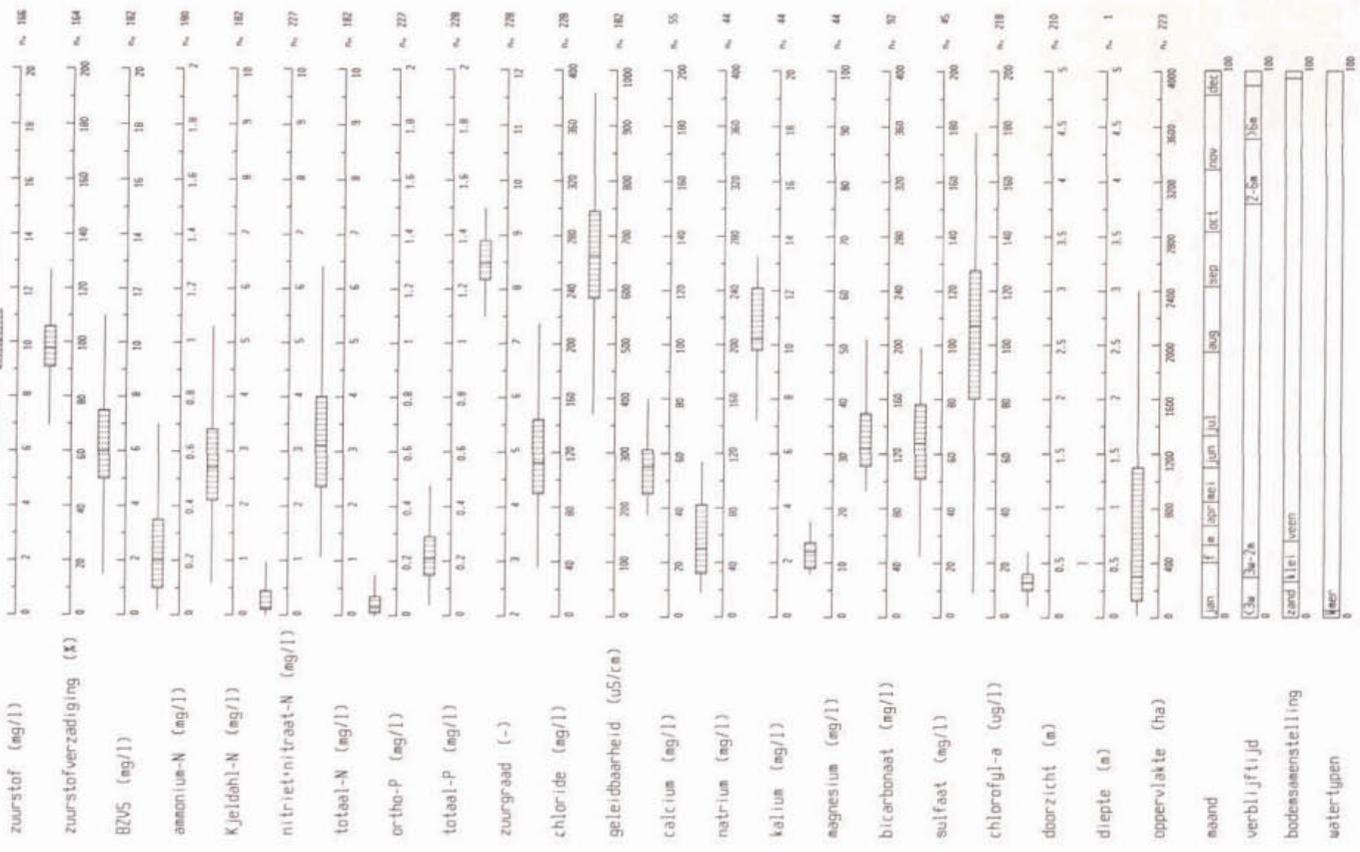
Eco-atlas van waterorganismen

Planctonema lauterbornii

vangsten : 229  
 locaties : 29  
 hokken : 28

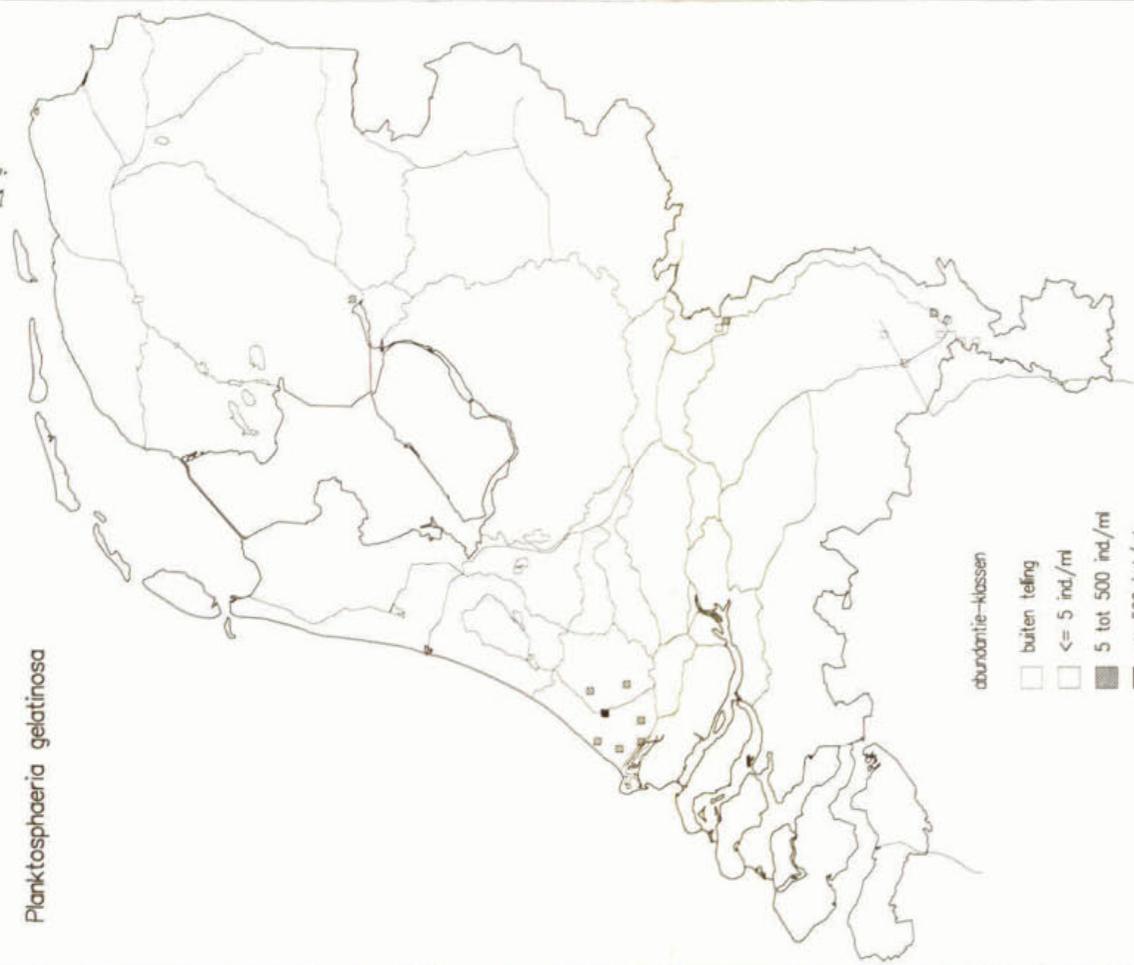
sloten  
 stromende wateren  
 kanden  
 meren  
 zand-, grind- en kleigaten

Planctonema lauterbornii



Fytoplankton : Chlorofyceae (groenwieren)

**Planktosphaeria gelatinosa**



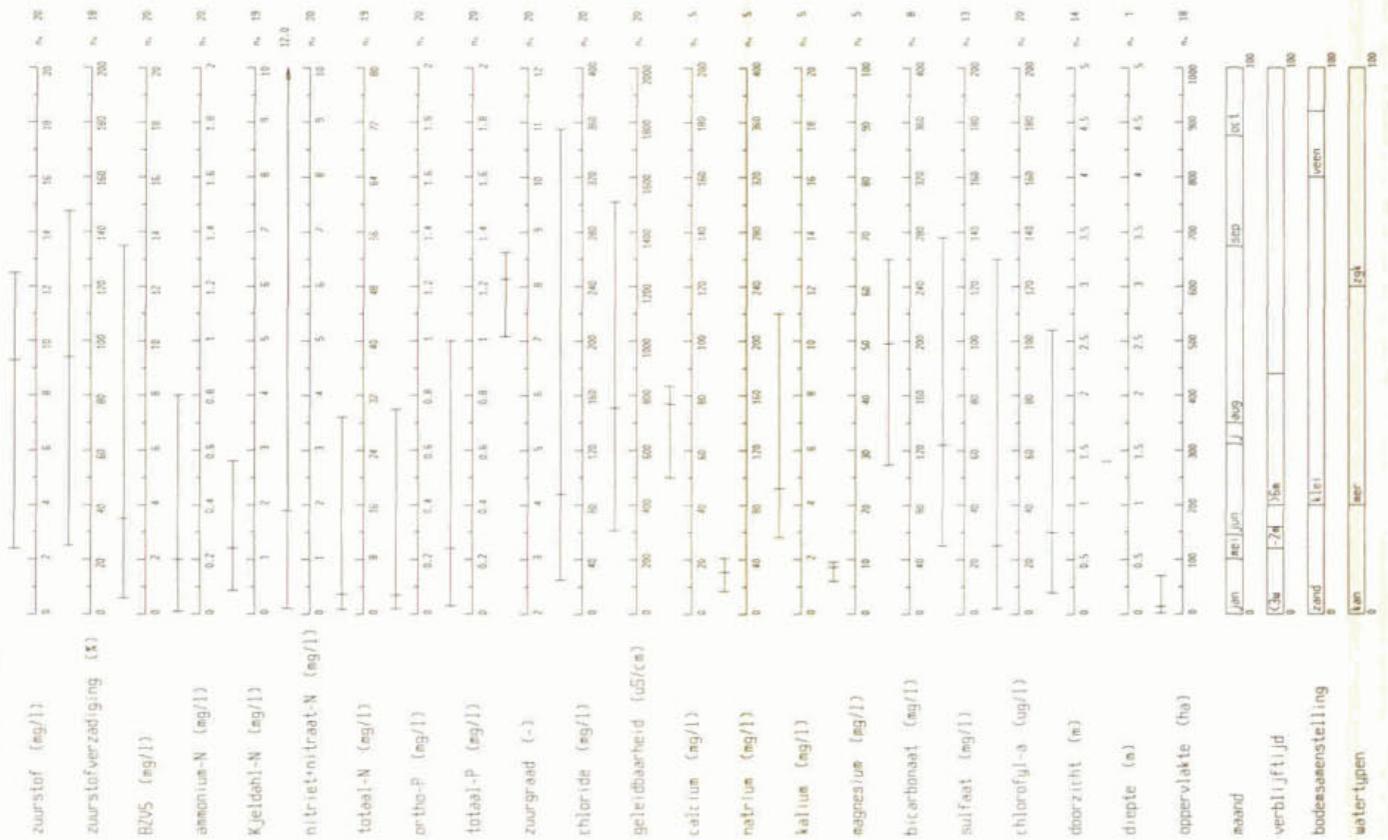
abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

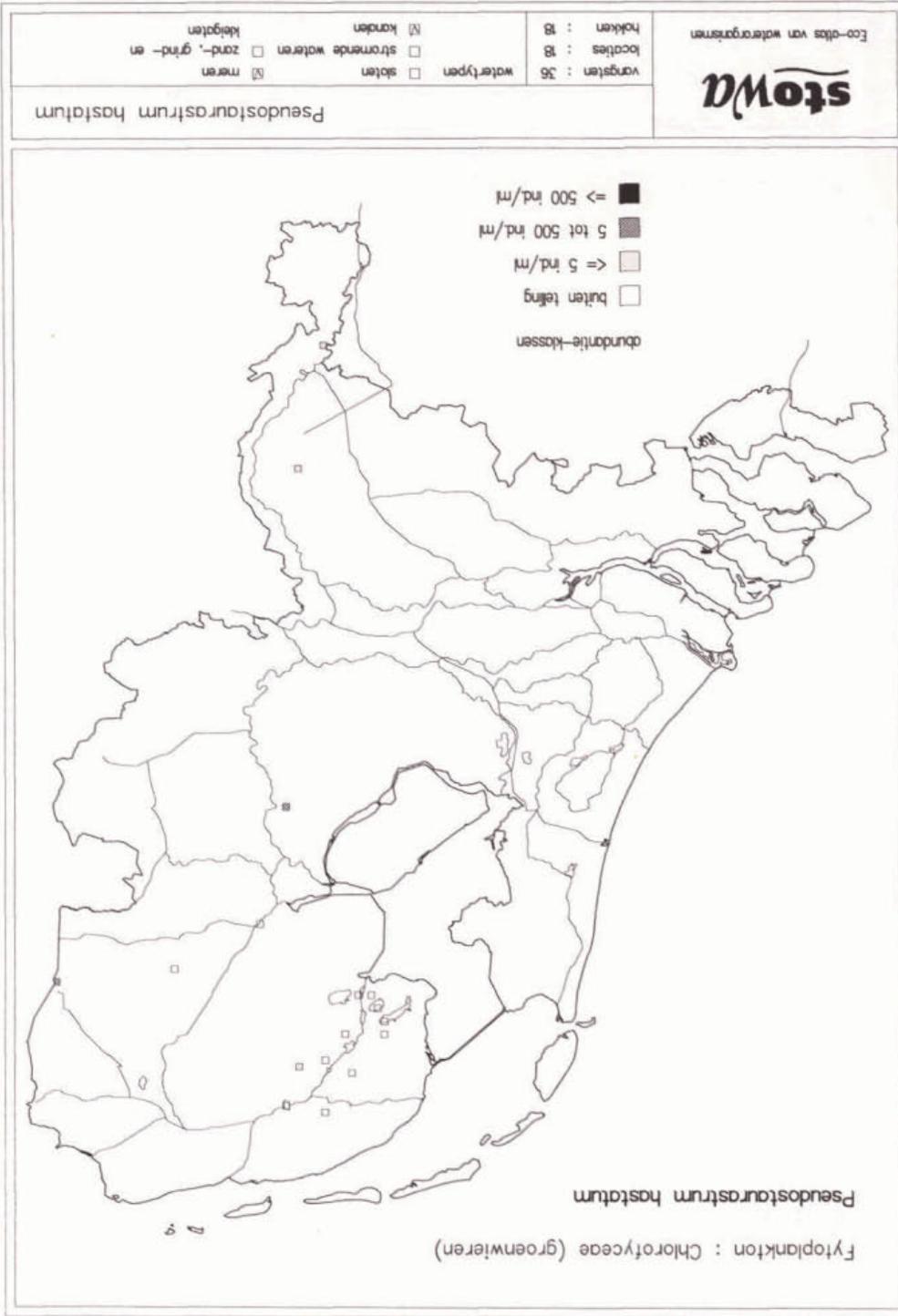
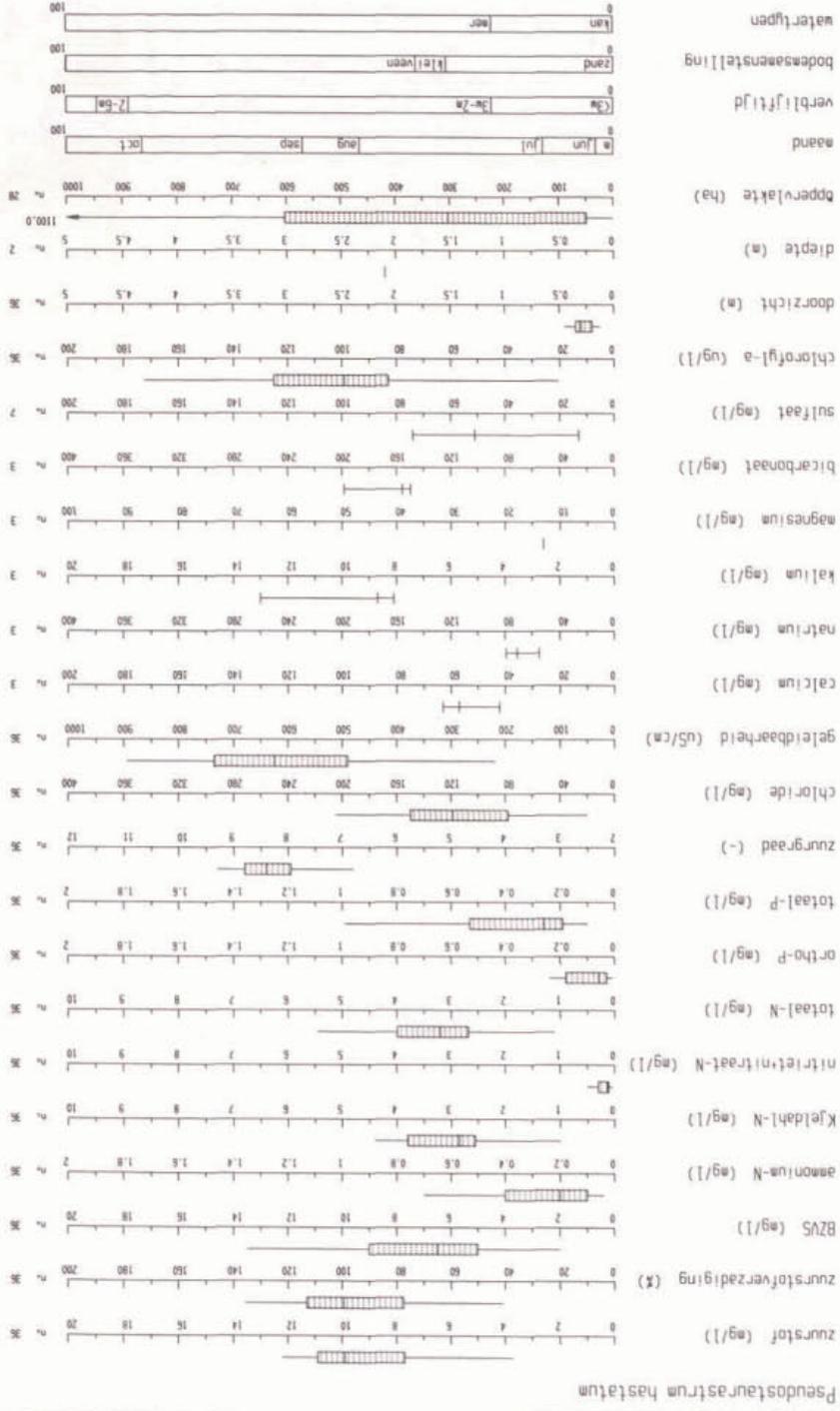
**Planktosphaeria gelatinosa**

vangsten : 25  
 localities : 19  
 hokken : 19

**stowa**  
 Eco-atlas van waterorganismen

**Planktosphaeria gelatinosa**





Fytoplankton : Chlorofyceae (groenwieren)

**Pteromonas angulosa**



abundantie-klasse  
 buiten telling  
 ≤ 5 ind./ml  
 5 tot 500 ind./ml  
 ≥ 500 ind./ml

**Pteromonas angulosa**

vangsten : 122  
 locaties : 58  
 hokken : 56

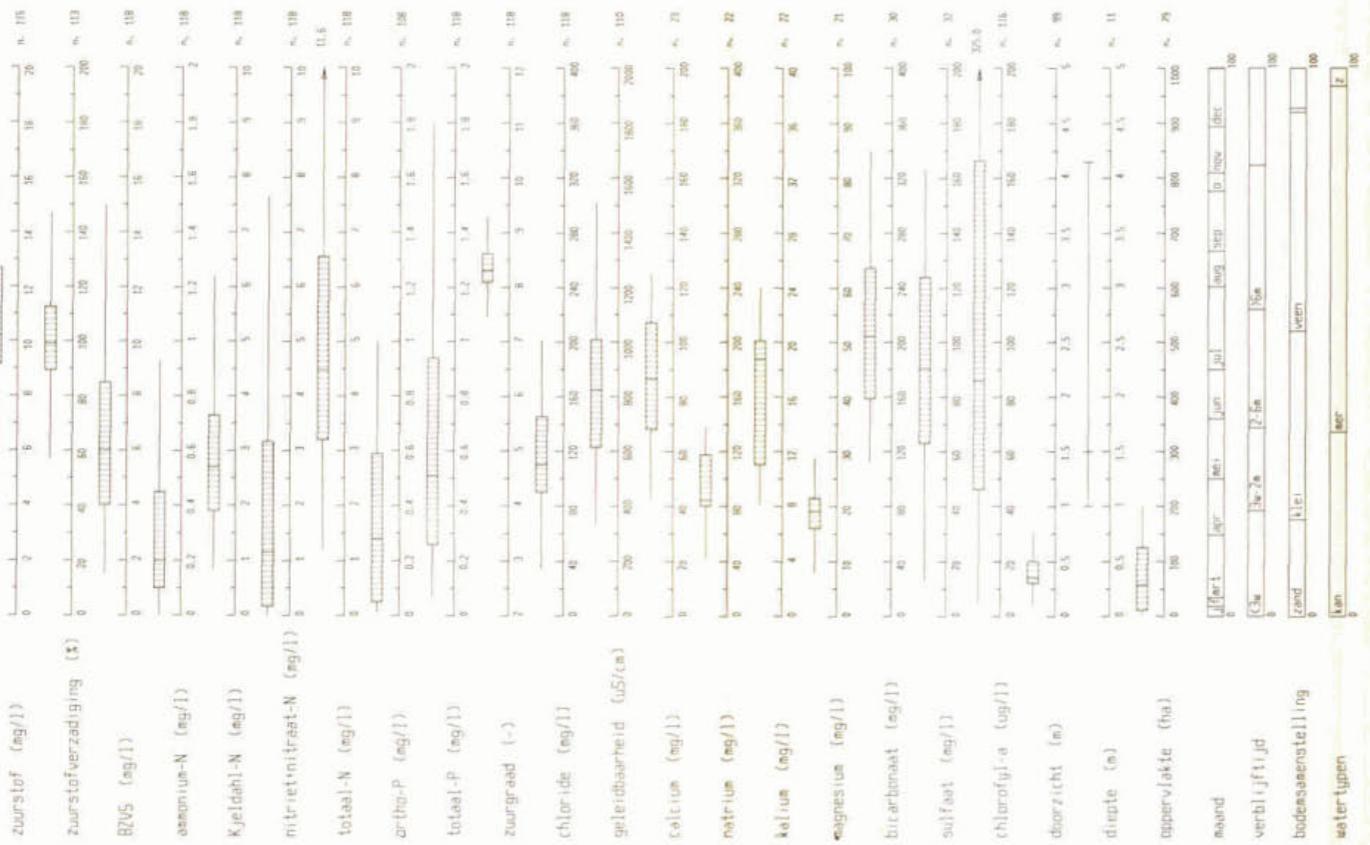
watertypen  
 sloten  
 stromende wateren  
 kanalen

meeren  
 zand-, grind- en  
 heggen

**stowa**

Eco-atlas van waterorganismen

**Pteromonas angulosa**



maand  
 jan feb mar apr mei jun jul aug sep okt nov dec

verblijftijd  
 0-5m 5-10m 10-15m 15-20m 20-25m 25-30m 30-35m 35-40m 40-45m 45-50m 50-55m 55-60m 60-65m 65-70m 70-75m 75-80m 80-85m 85-90m 90-95m 95-100m

bodsaansluiting  
 zand slte veen

watertypen  
 meer

Fytoplankton : Chlorofyceae (groenwieren)

**Quadrigula chodatii**



abundantie-klasse

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

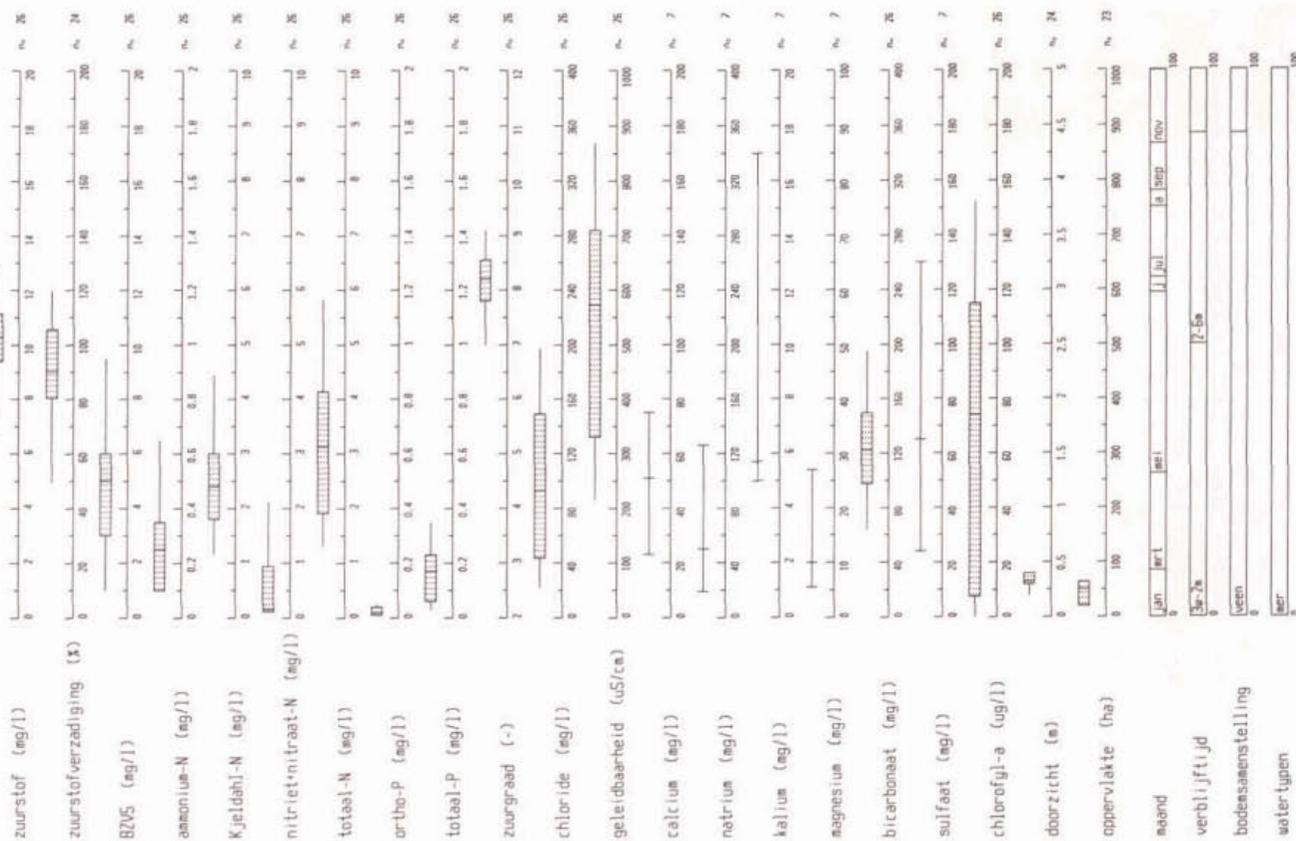
Quadrigula chodatii

- vangsten : 26  
 locaties : 6  
 hoeken : 6
- watertypen  
 sköten  
 mieren  
 stramende wateren  
 zand-, grind- en kleigaten  
 kanalen

**stowa**

Eco-atlas van waterorganismen

Quadrigula chodatii



jan	feb	mar	apr	mei	jun	jul	aug	sep	okt	nov	dec
0 100 200 300 400 500 600 700 800 900 1000											
0 100 200 300 400 500 600 700 800 900 1000											
0 100 200 300 400 500 600 700 800 900 1000											
0 100 200 300 400 500 600 700 800 900 1000											

Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus acuminatus



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

Scenedesmus acuminatus

vangsten : 712  
 locaties : 168  
 hokken : 155

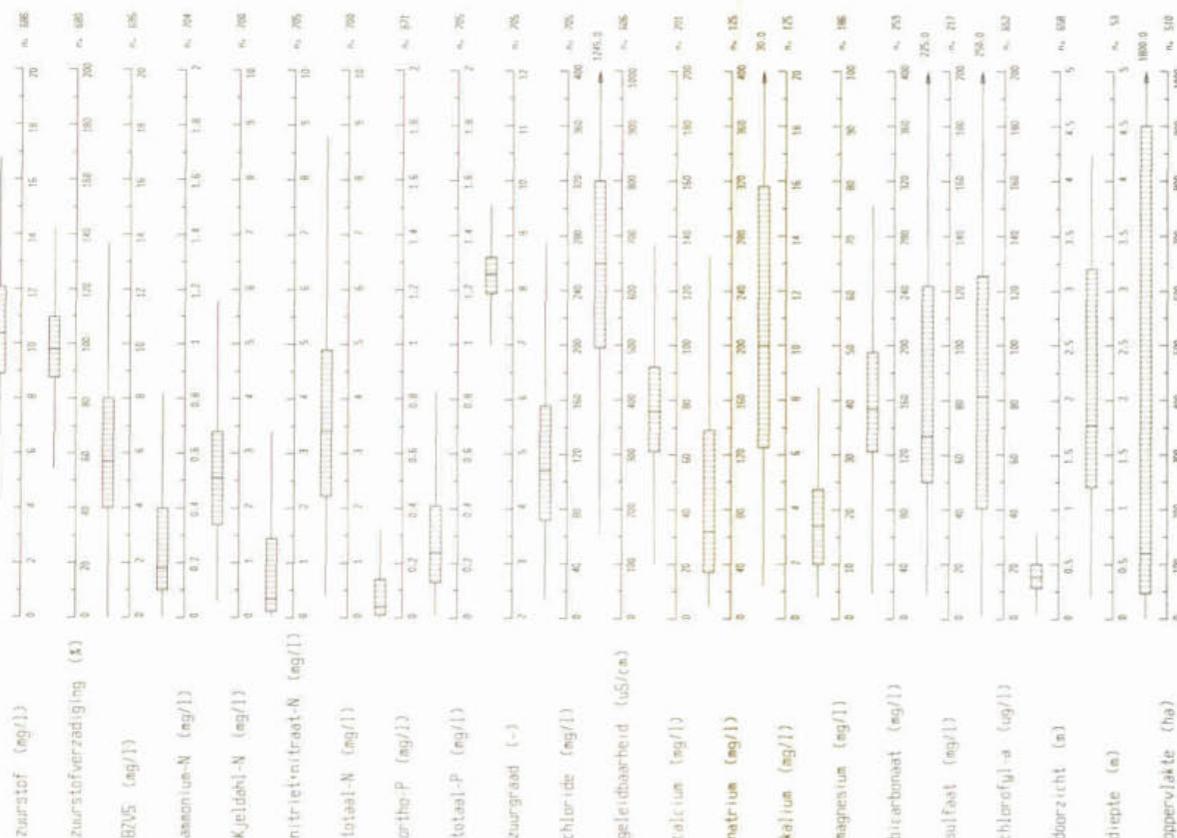
watertypen  
 sloten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten



Eco-atlas van waterorganismen

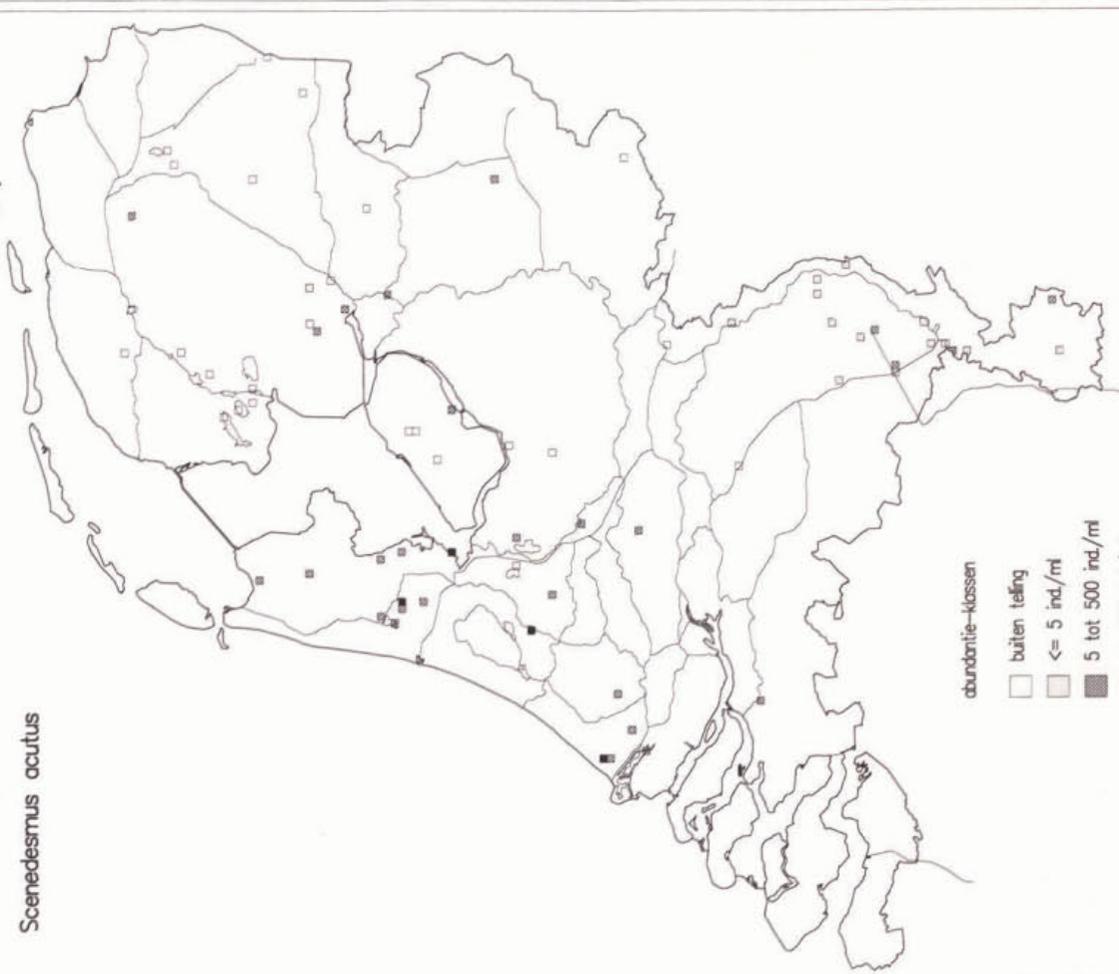
Scenedesmus acuminatus



maand  
 verblijftijd  
 bodesaanstelling  
 watertypen

Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus acutus



**stowa**  
Eco-atlas van waterorganismen

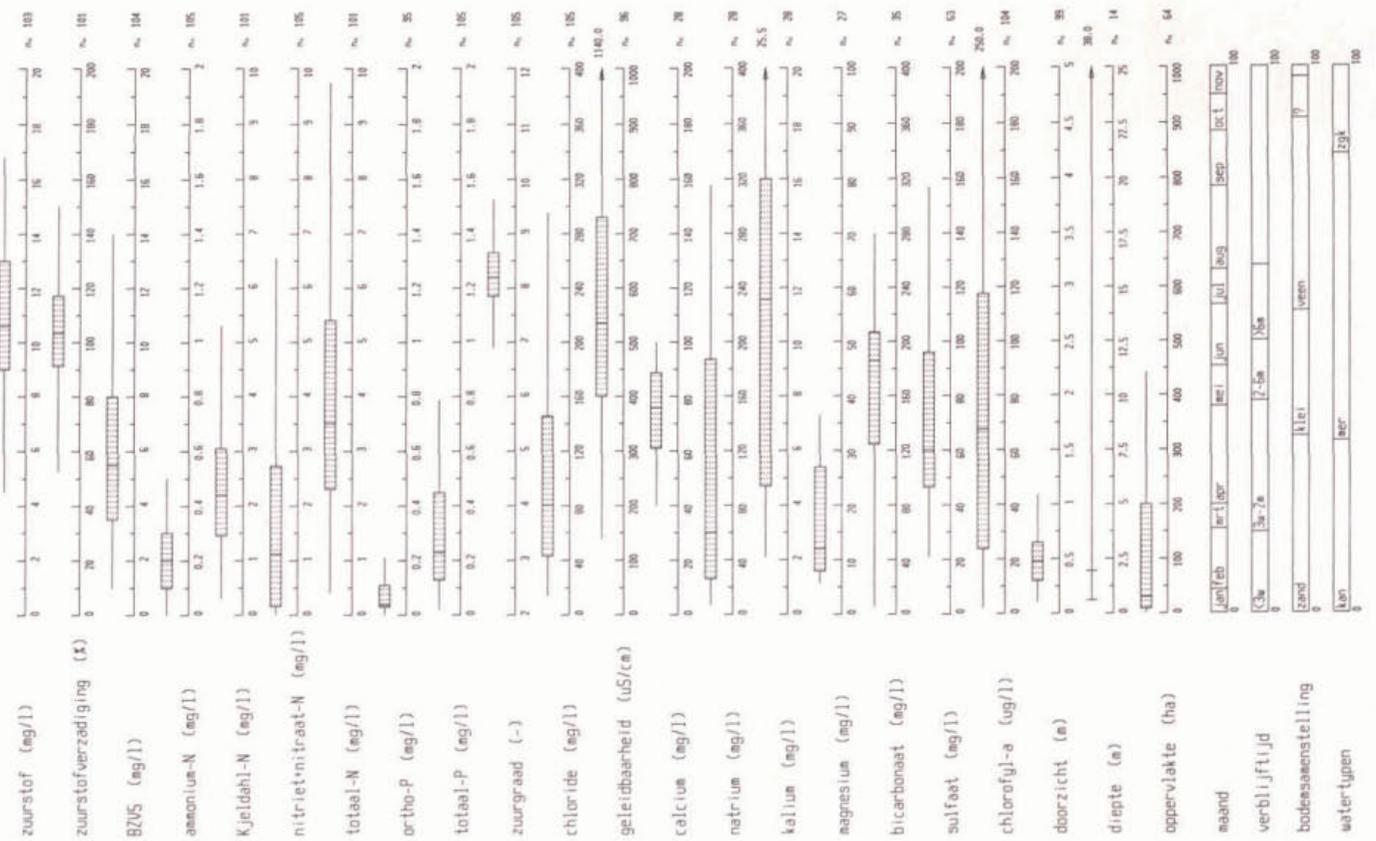
Scenedesmus acutus

vangsten : 108  
localities : 72  
hokken : 72

water-typen  
 sloten  
 stromende wateren  
 kanalen

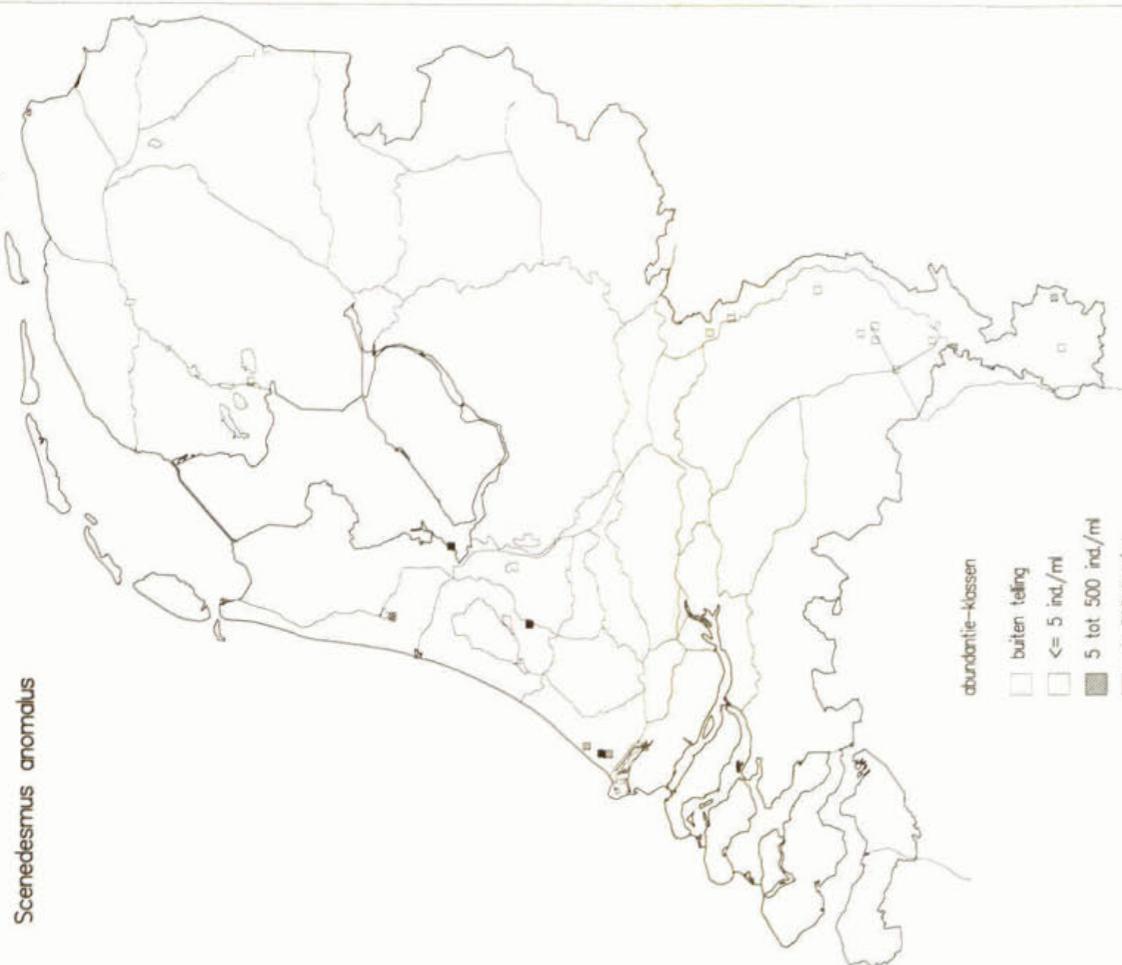
meren  
 meren  
 zand-, grind- en kleigaten

Scenedesmus acutus



Fytoplankton : Chlorofyceae (groenwieren)

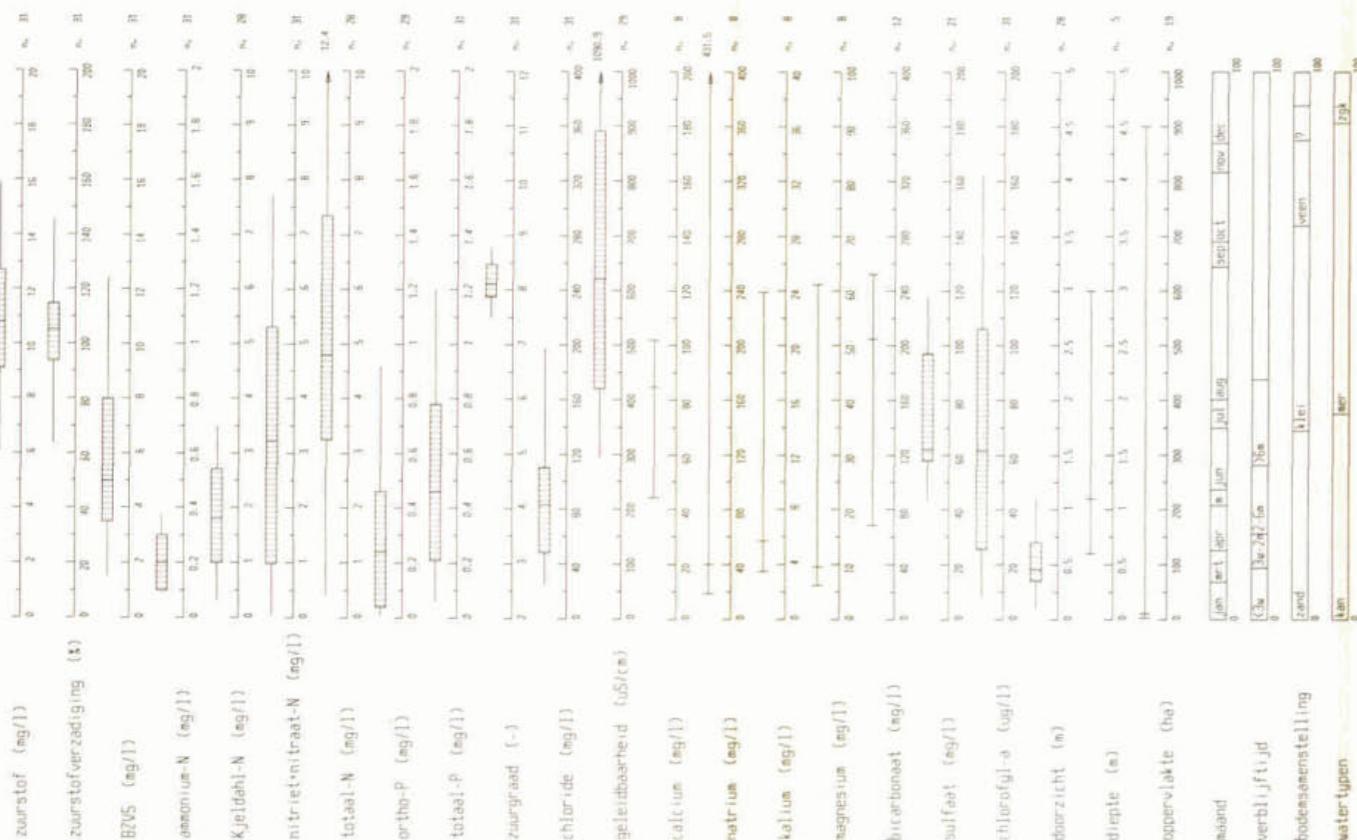
Scenedesmus anomalus



abundantie-klassen

- buiten telling
- <= 5 ind./m
- 5 tot 500 ind./m
- => 500 ind./m

Scenedesmus anomalus



Scenedesmus anomalus

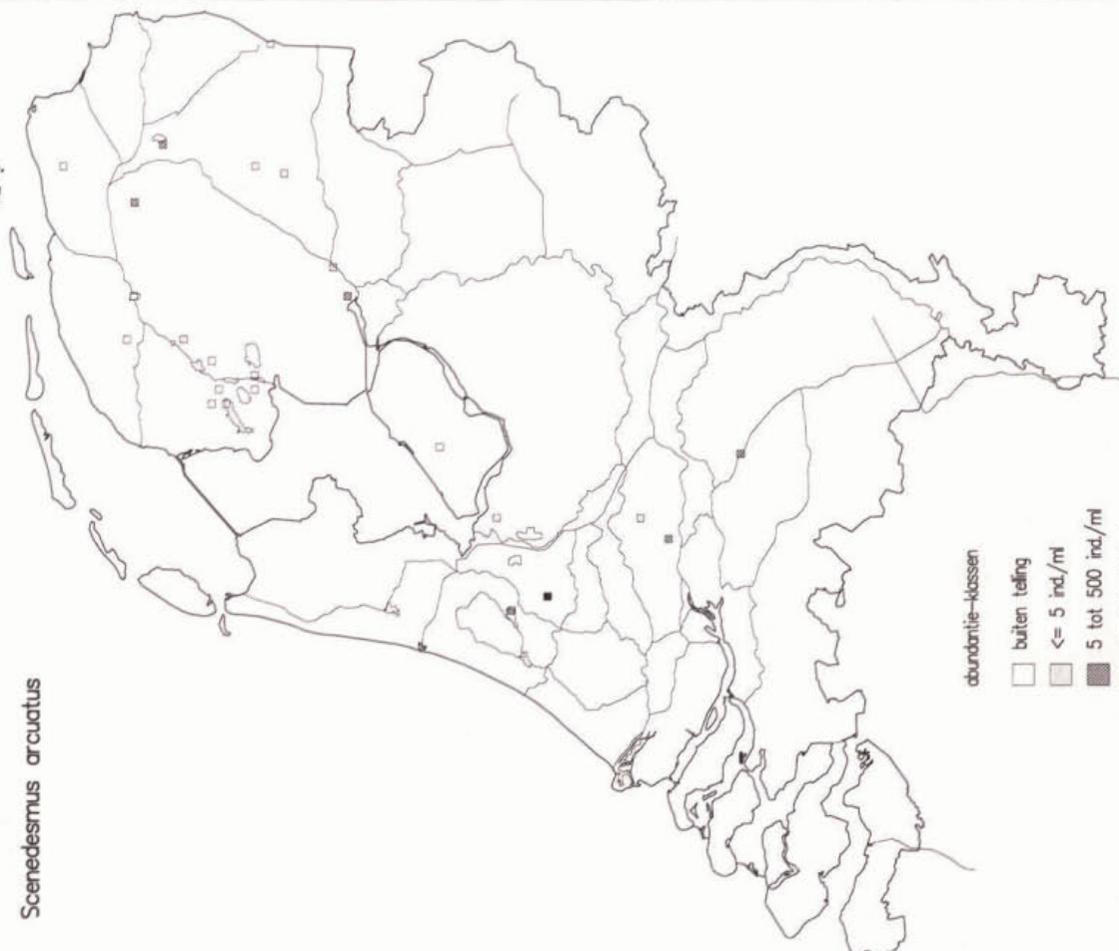
vangsten : 32	watertypen	<input type="checkbox"/> skien	<input type="checkbox"/> meren
locaties : 22	<input type="checkbox"/> stromende wateren	<input type="checkbox"/> zand-, grind- en kleigaten	
hakken : 22	<input type="checkbox"/> kanalen		



Eco-atlas van waterorganismen

Fytoplankton : Chlorofyceae (groenwieren)

*Scenedesmus arcuatus*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

**stowa**

Eco-atlas van waterorganismen

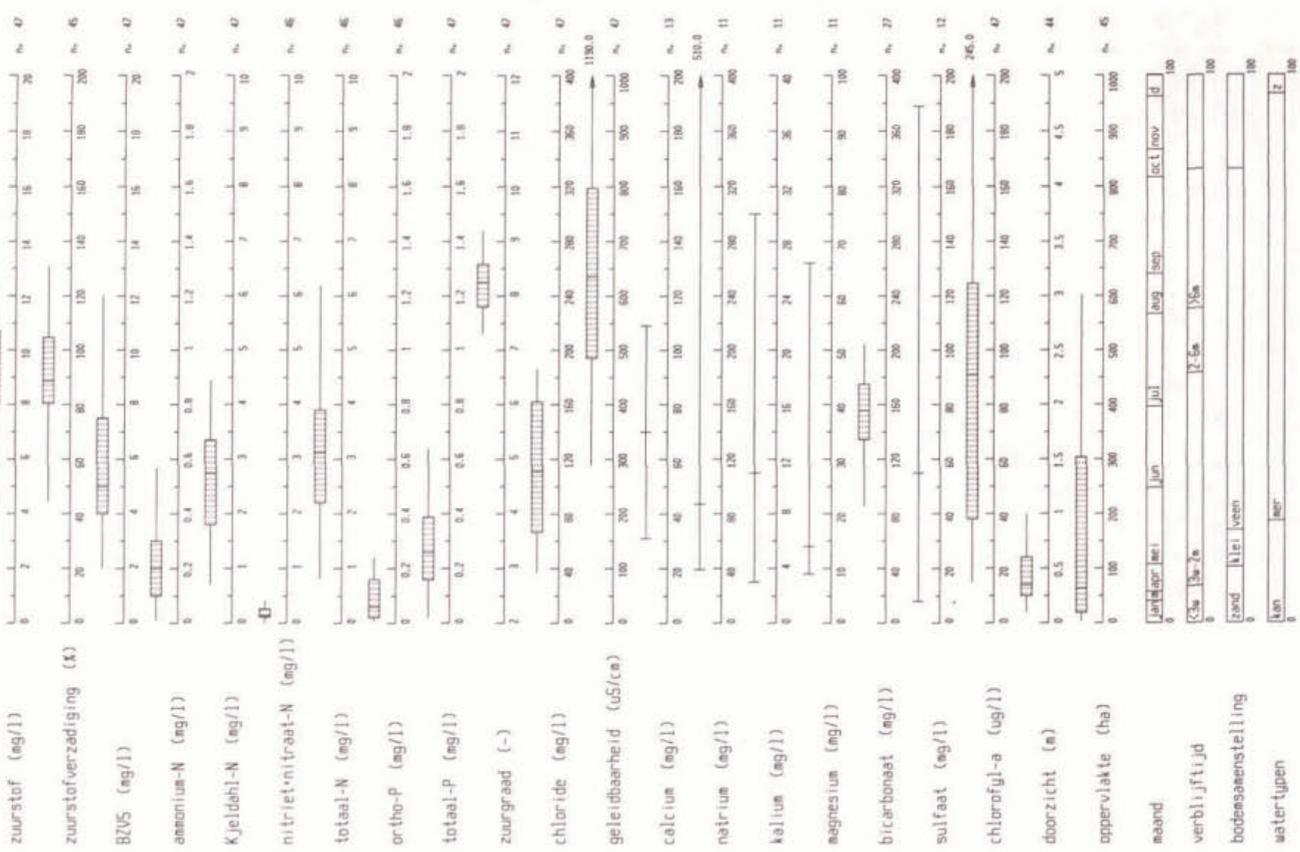
*Scenedesmus arcuatus*

- vangsten : 59
- locaties : 25
- hokken : 24

watertypen

- sloten
- meren
- stromende wateren
- zand-, grind- en kleigaten
- konden

*Scenedesmus arcuatus*



maand:  jan  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

verbljftijd:  0  1  2  3  4  5

zandklei:  0  1  2  3  4  5  6  7  8  9  10

kan:  0  1  2  3  4  5  6  7  8  9  10

**STOWA**

Eco-atlas van waterorganismen

Fytoplankton : Chlorofyceae (groenwieren)

*Scenedesmus armatus*

dunndunste-klassen

buiten telling

□ ≤ 5 ind./ml

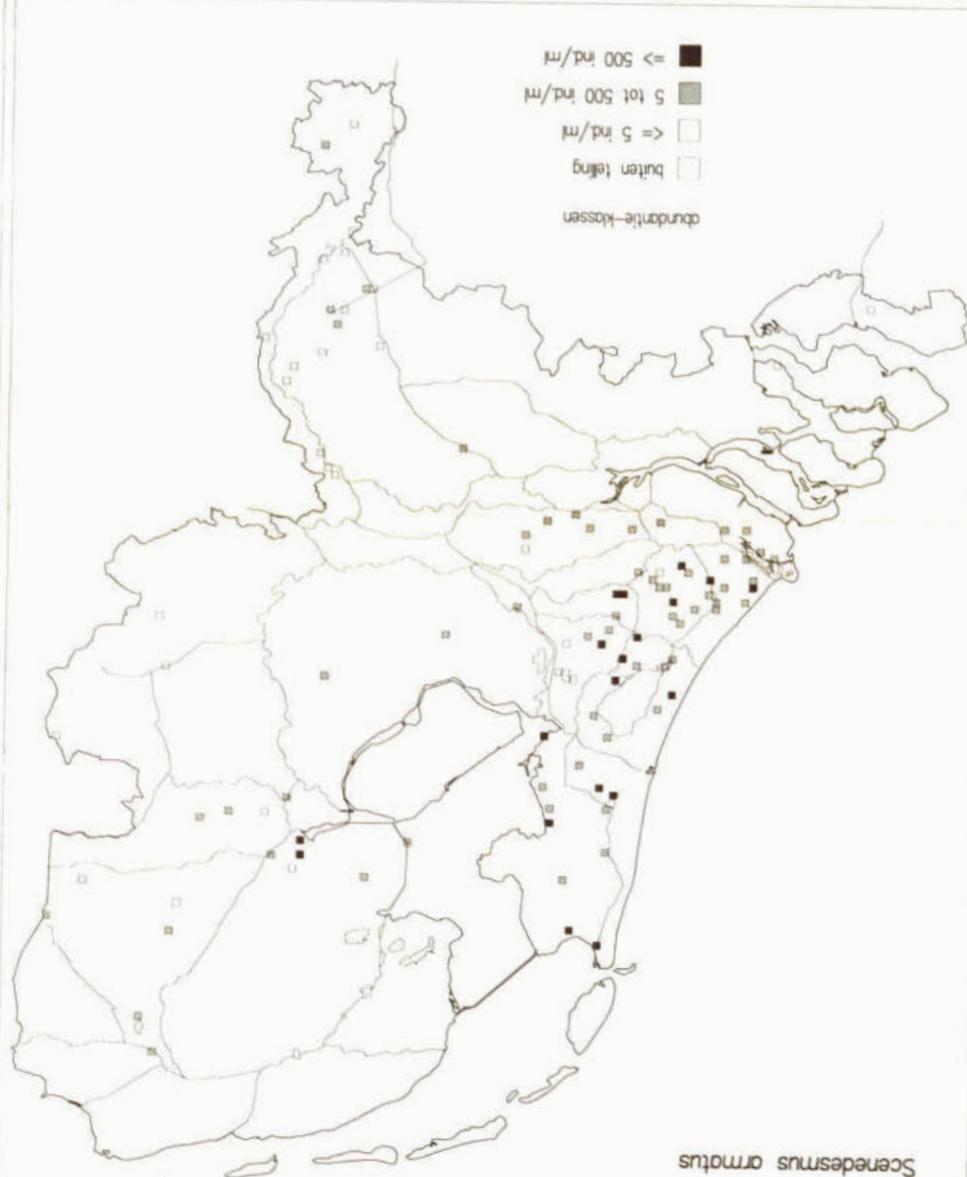
■ 5 tot 500 ind./ml

■ ≥ 500 ind./ml

*Scenedesmus armatus*

voorstel : 3B  
locaties : 112  
prokken : 108

waterlicpen □  
sloten □  
stromende wateren □  
kudde □  
meeren □  
zand-, grind- en kiegronden □



*Scenedesmus armatus*

zuurstof (mg/l)

zuurstofverzadiging (x)

BZV5 (mg/l)

ammonium-N (mg/l)

Kjeldahl-N (mg/l)

nitriet-nitrat-N (mg/l)

totaal-N (mg/l)

ortho-P (mg/l)

totaal-P (mg/l)

zuurgraad (-)

chloride (mg/l)

geleidbaarheid (µS/cm)

calcium (mg/l)

natrium (mg/l)

kalium (mg/l)

magnesium (mg/l)

Dicarbonaat (mg/l)

sulfaat (mg/l)

chlorofyl-a (µg/l)

doorzicht (m)

diepte (a)

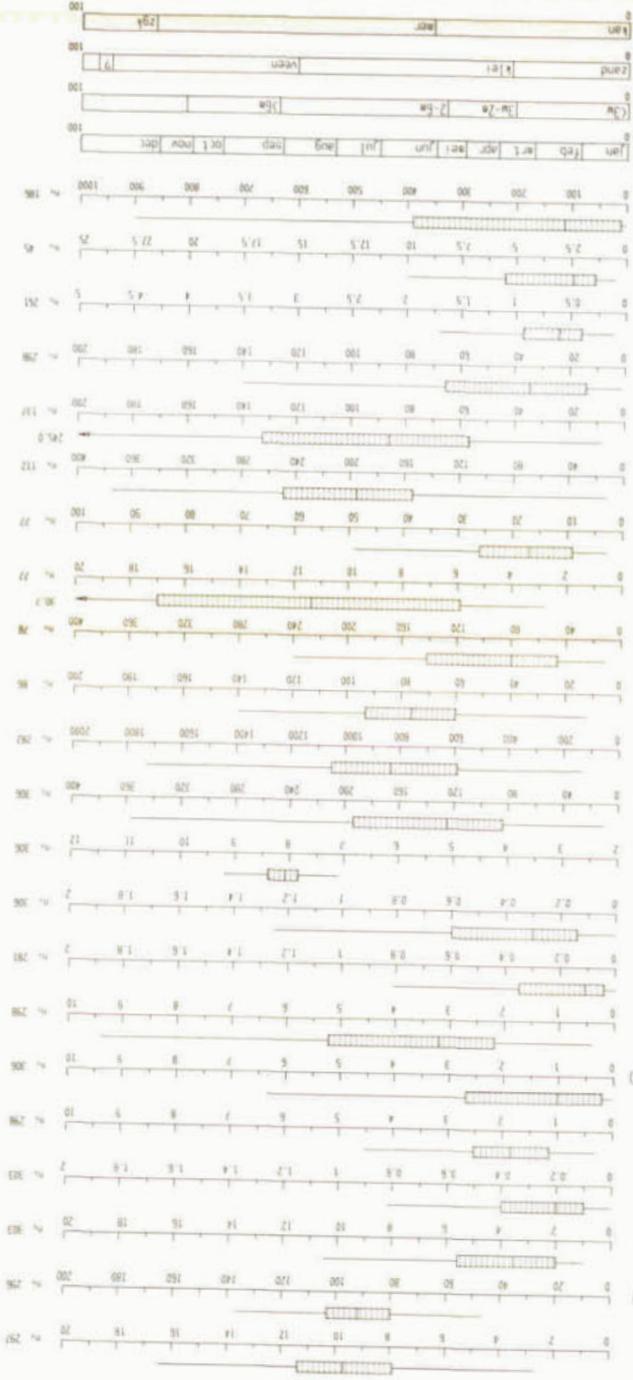
oppervlakte (ha)

maand

verblijftijd

bodemgestelding

waterlicpen



Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus bicaudatus



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

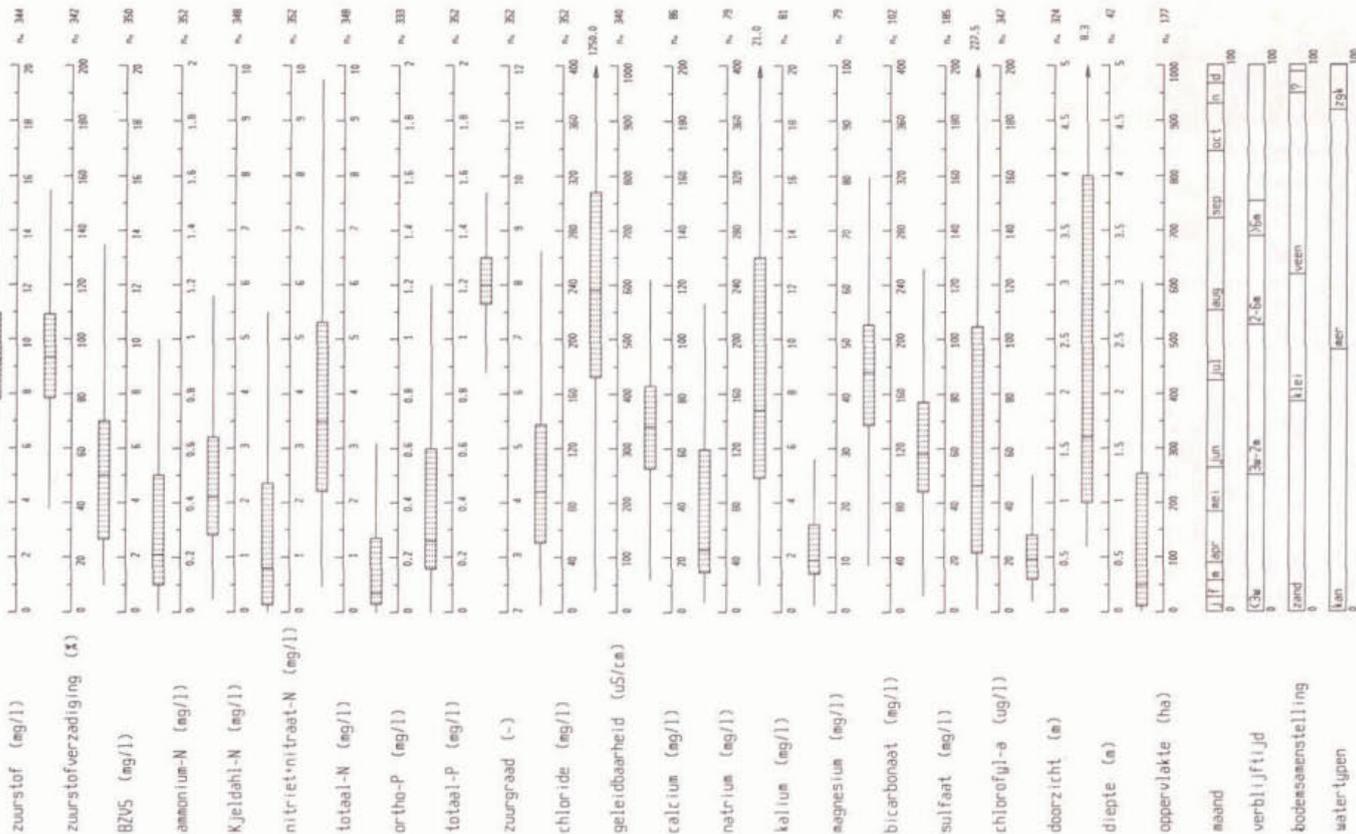
**stowa**

Eco-atlas van waterorganismen

Scenedesmus bicaudatus

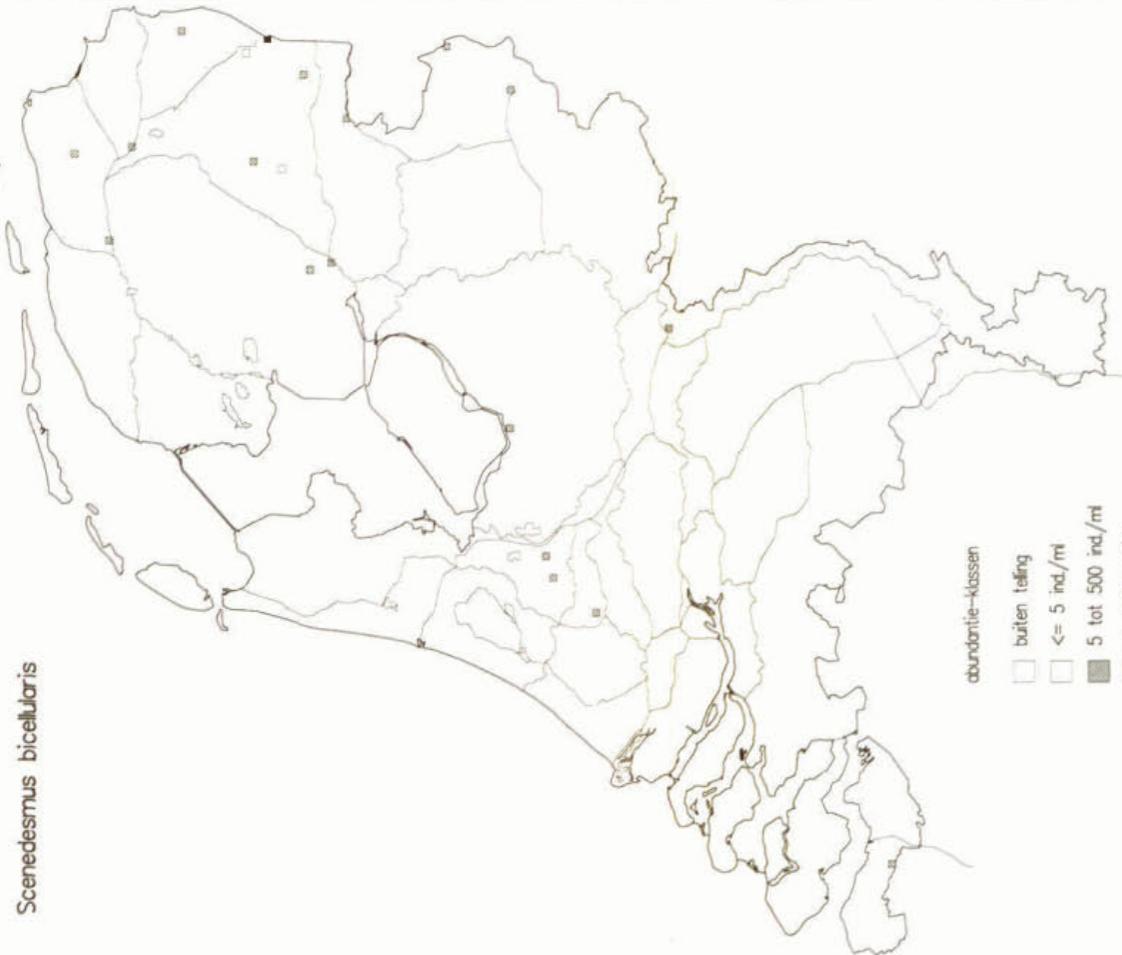
- vangsten : 356  sloten  meren  maren  
 locaties : 139  stromende wateren  zand-, grind- en  
 hokken : 134  kanalen  kleigaten

Scenedesmus bicaudatus



Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus bicellularis



abundantie-klassen

- buiten telling
- <= 5 ind./m<sup>3</sup>
- 5 tot 500 ind./m<sup>3</sup>
- >= 500 ind./m<sup>3</sup>

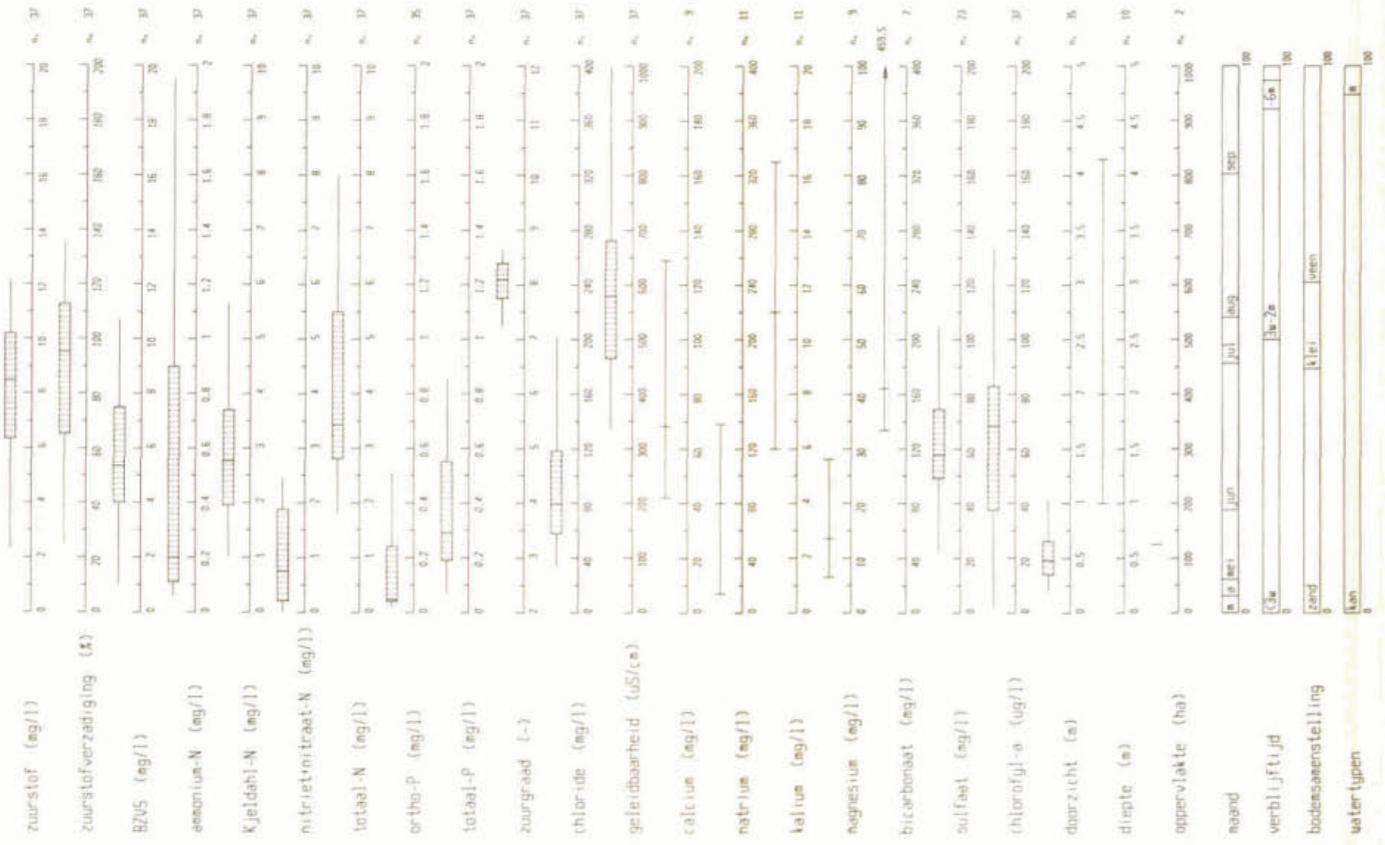
Scenedesmus bicellularis

- vangsten : 37  
 locaties : 20  
 hokken : 20
- water typen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 karven

**stowa**

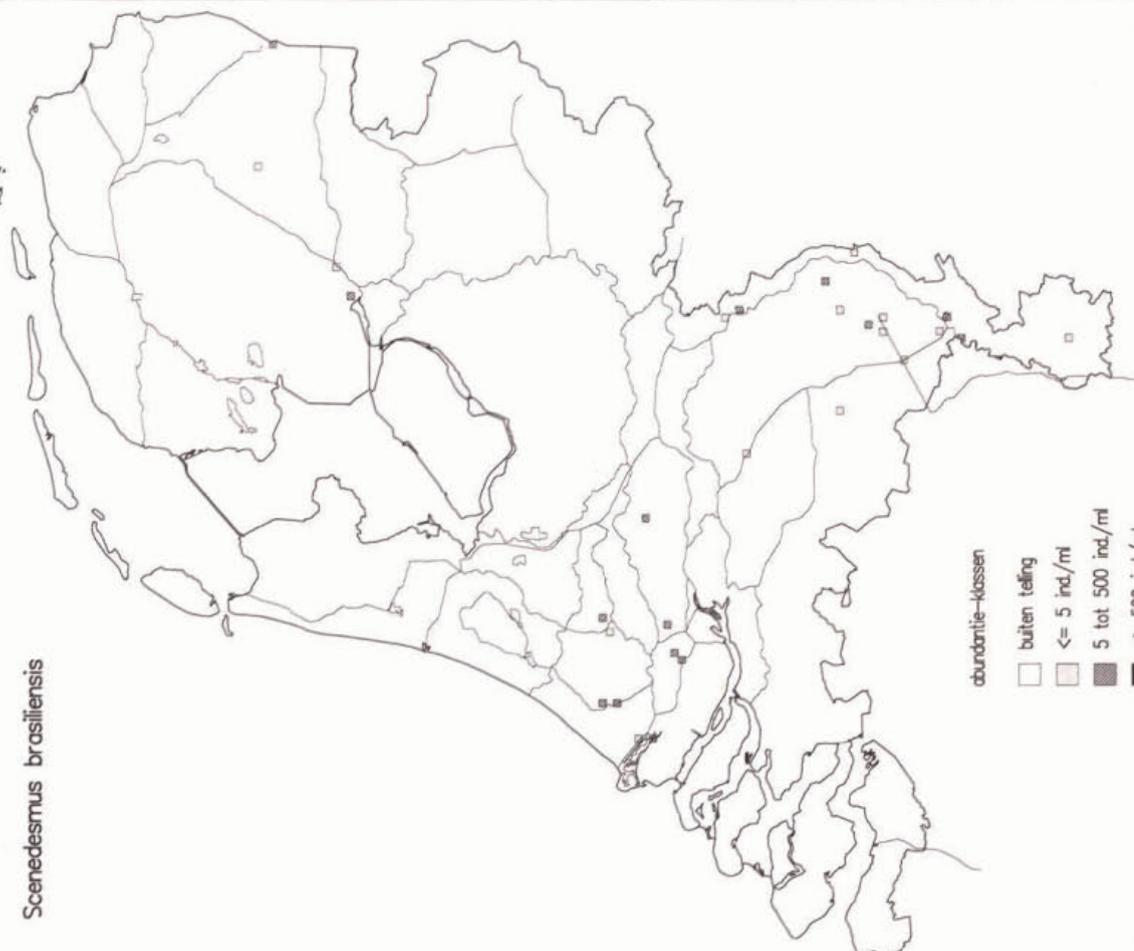
Eco-atlas van waterorganismen

Scenedesmus bicellularis



Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus brasiliensis



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 □ ≥ 500 ind./ml

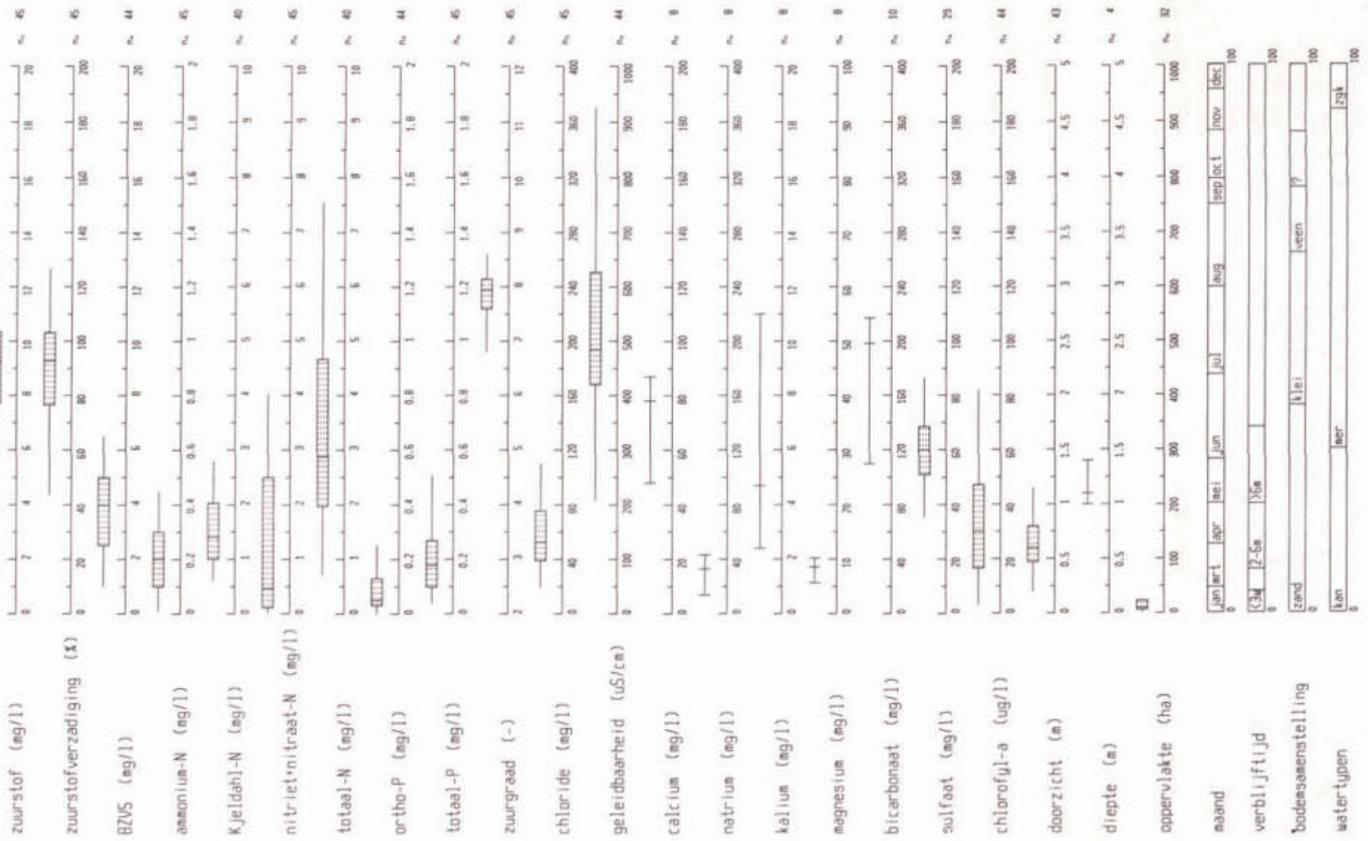
**stowa**  
 Eco-atlas van waterorganismen

Scenedesmus brasiliensis

vangsten : 50  
 locaties : 31  
 hokken : 30

watertypen  
 sloten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten  
 kanalen

Scenedesmus brasiliensis



Fytoplankton : Chlorofyceae (groenwieren)

**Scenedesmus costato-granulatus**



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ⇒ 500 ind./ml

**Scenedesmus costato-granulatus**

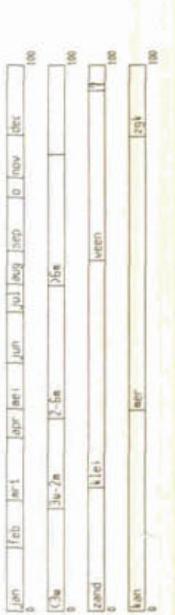
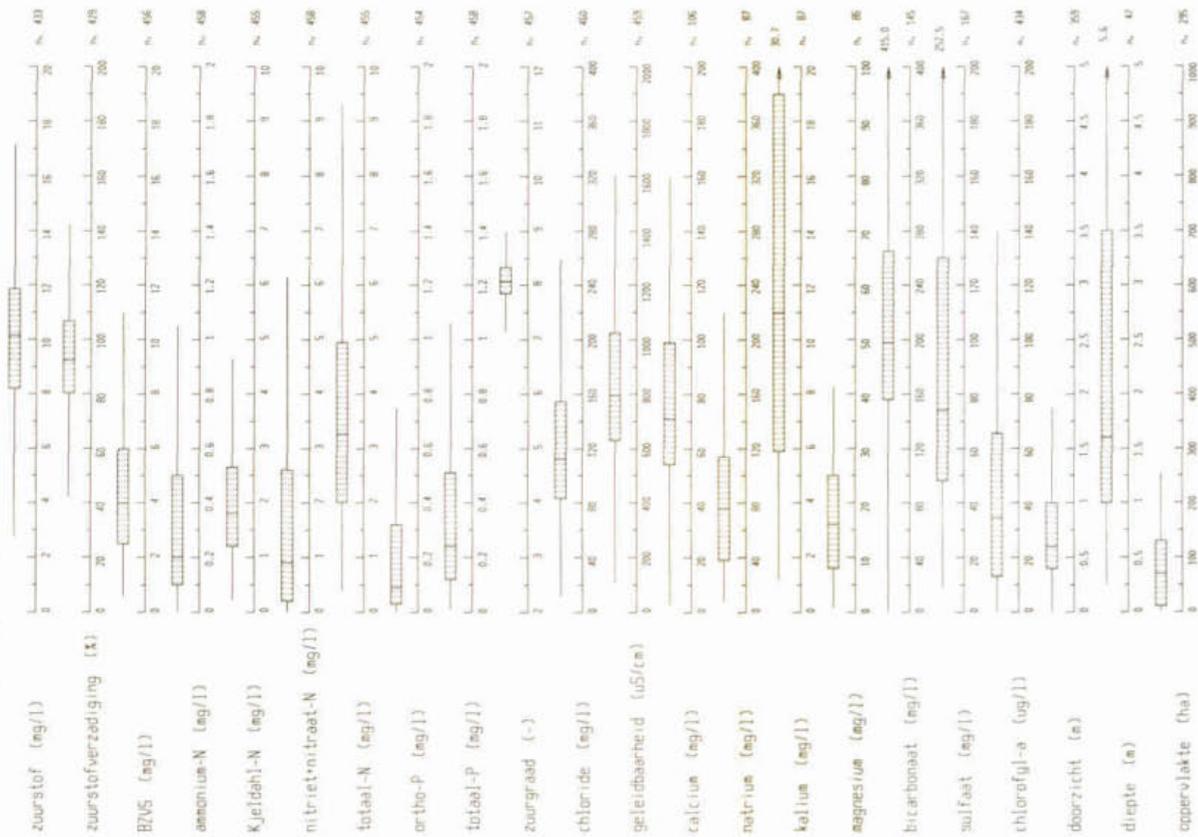
vangsten : 467  
 localities : 118  
 hokken : 114

water-typen  
 □ stilstaend water  
 □ stromend water

st. meren  
 st. zand-, grond- en kleigaten  
 st. kanalen

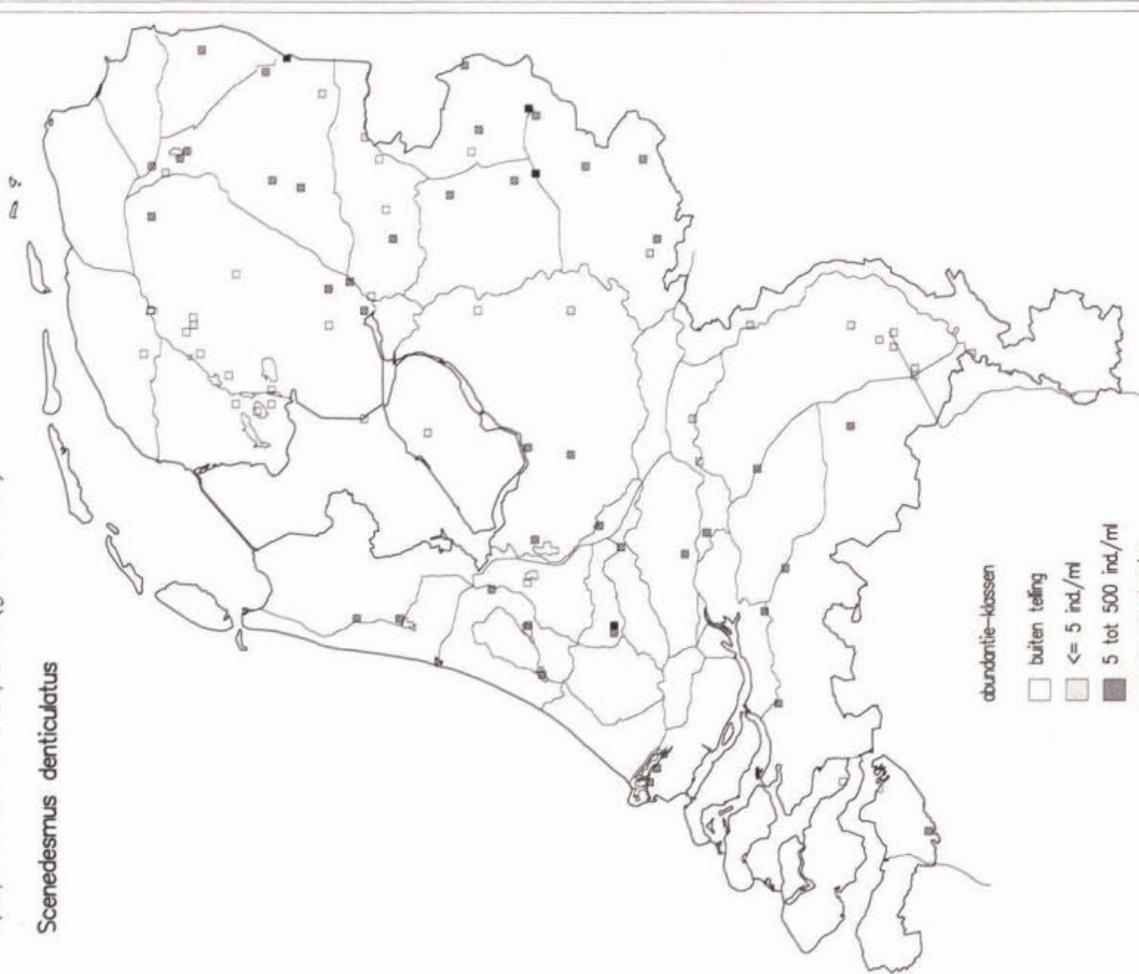
**stowa**  
 Eco-atlas van waterorganismen

**Scenedesmus costato-granulatus**



Fytoplankton : Chlorofyceae (groenwieren)

*Scenedesmus denticulatus*



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ => 500 ind./ml

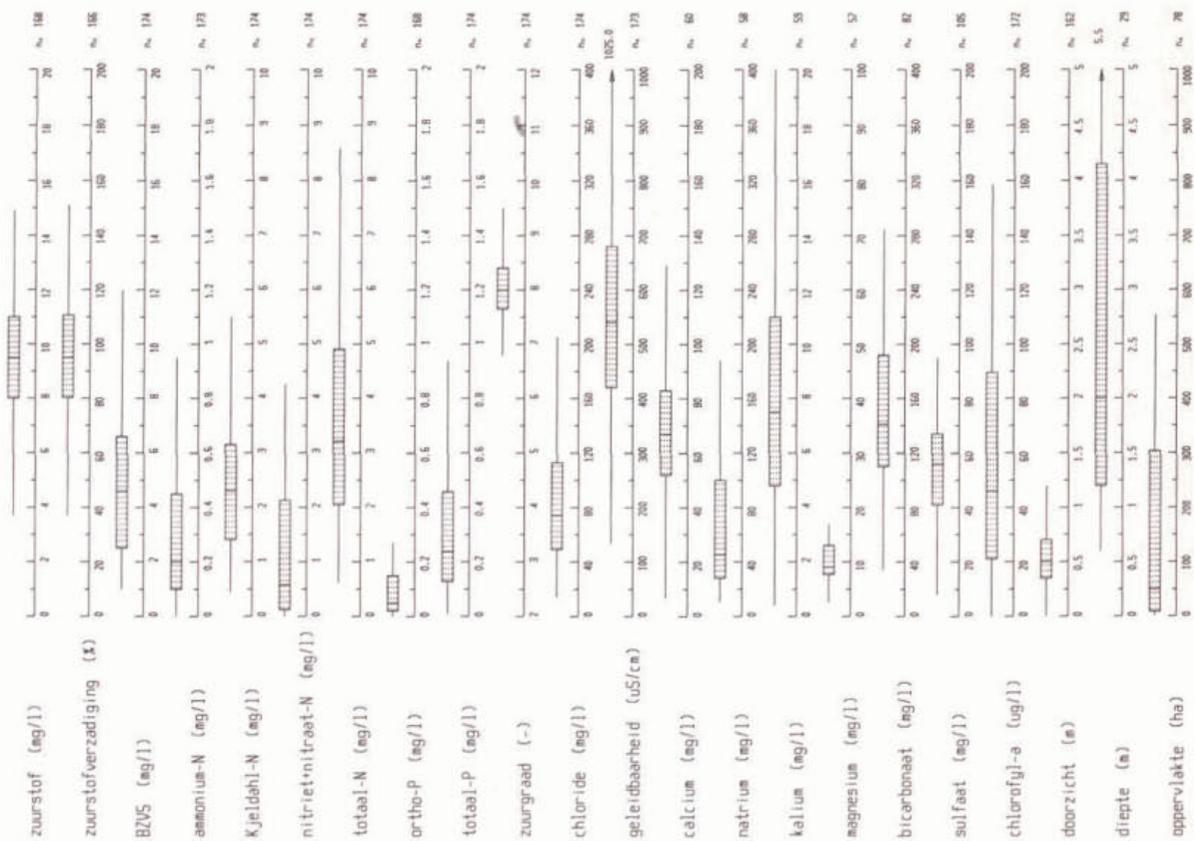


Eco-atlas van waterorganismen

*Scenedesmus denticulatus*  
 vangsten : 184  
 locaties : 87  
 hakken : 85

watertypen  
 sluizen  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

*Scenedesmus denticulatus*



maand:  jan  feb  mar  apr  mei  jun  jul  aug  sep  oct  nov  dec

verblijftijd:  0-2m  2-5a  5a

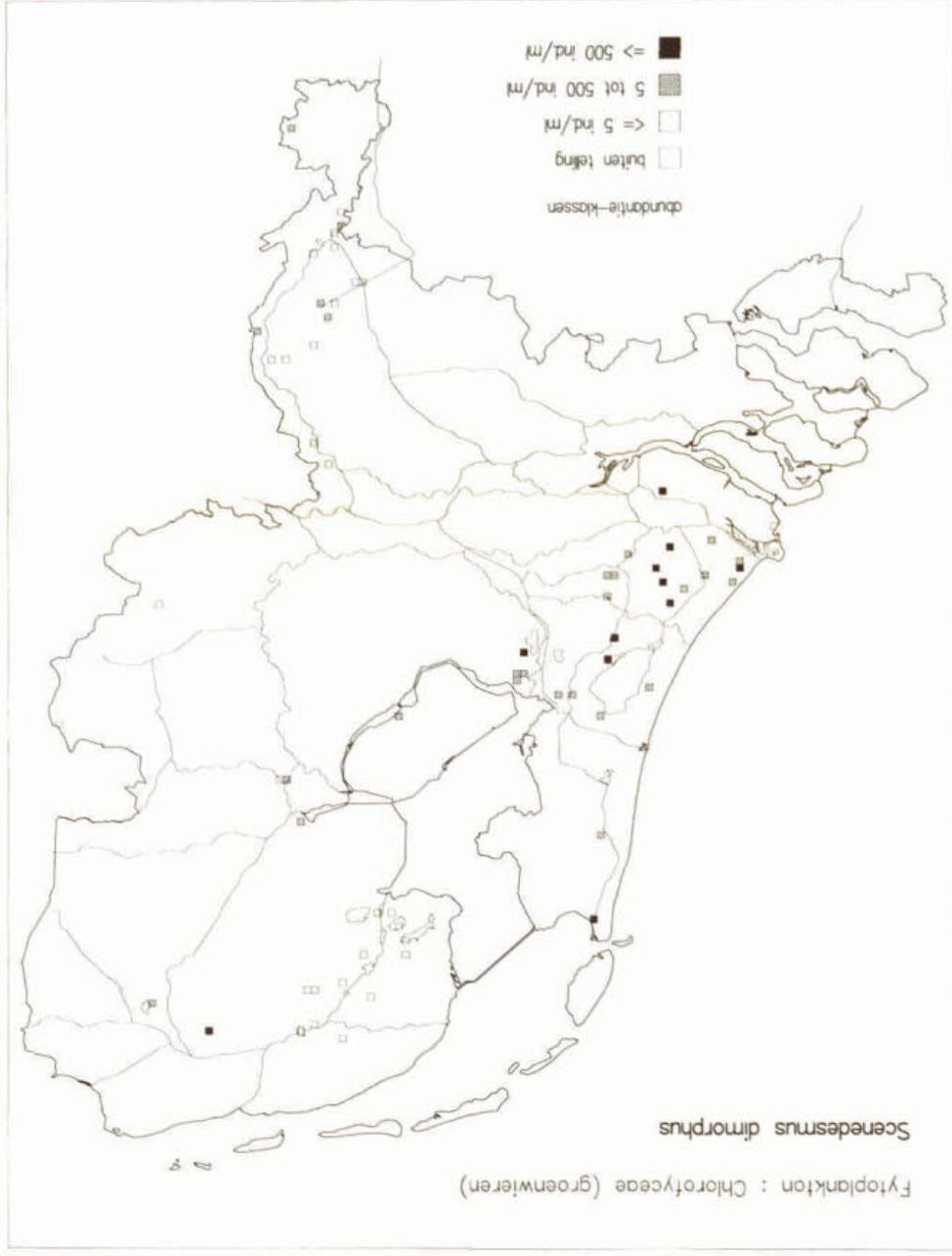
bodemaaanstelling:  zand  klei  veen

watertypen:  kan  leer  zijk  100

vongsten : 80  
locaties : 68  
holken : 67

watertypen  
 salen  
 kanden  
 stromende wateren  
 zand-, grind- en kegelten  
 meren

Scenedesmus dimorphus

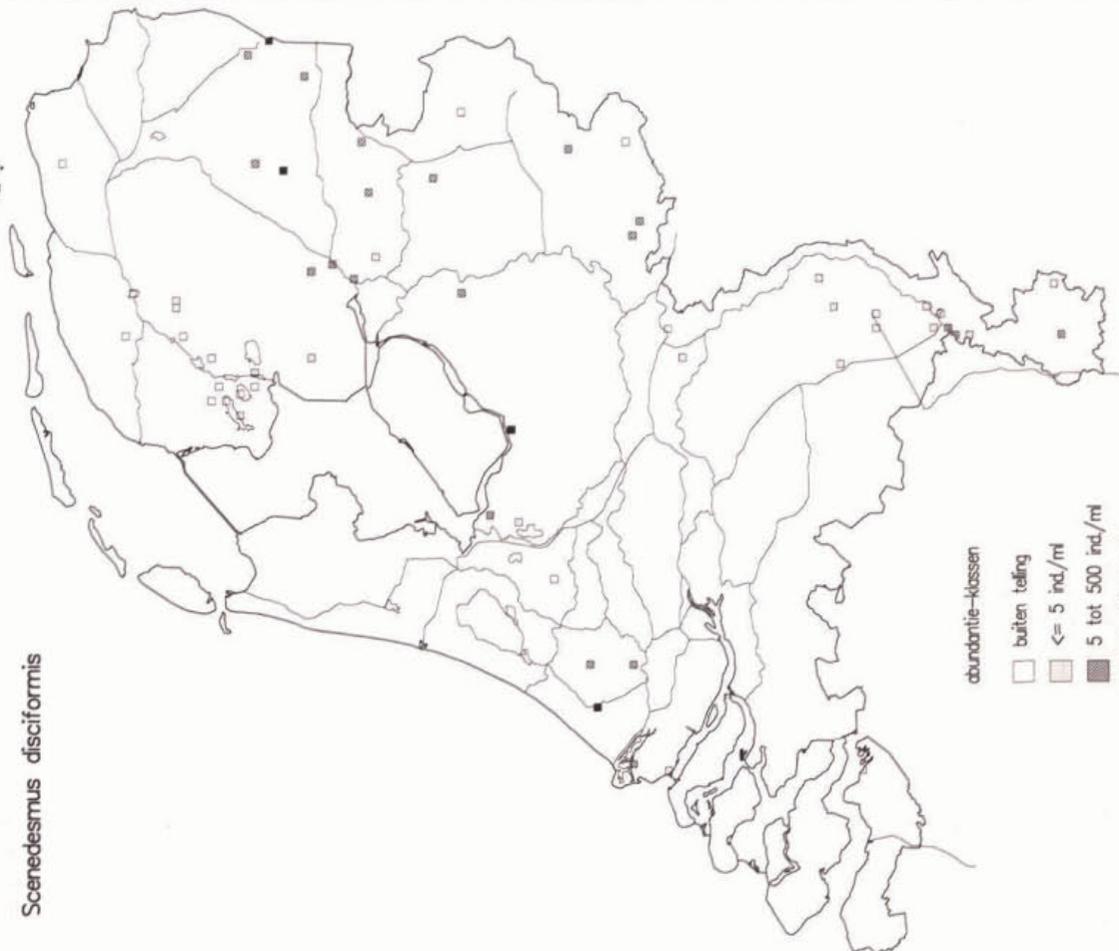


Fytoplankton : Chlorityceae (groenwieren)  
Scenedesmus dimorphus

Scenedesmus dimorphus

maand	jan	feb	mar	apr	mei	jun	jul	aug	sep	oct	nov	dec
zurenstof (mg/l)	0	2	4	6	8	10	12	14	16	18	20	22
zurenstofverzadiging (%)	0	20	40	60	80	100	120	140	160	180	200	220
BZV5 (mg/l)	0	2	4	6	8	10	12	14	16	18	20	22
amoniun-N (mg/l)	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2
Kjeldahl-N (mg/l)	0	1	2	3	4	5	6	7	8	9	10	11
nitriet/nitrat-N (mg/l)	0	1	2	3	4	5	6	7	8	9	10	11
total-N (mg/l)	0	1	2	3	4	5	6	7	8	9	10	11
ortho-P (mg/l)	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2
total-P (mg/l)	0	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2
zuurgraad (-)	2	3	4	5	6	7	8	9	10	11	12	13
chloride (mg/l)	0	40	80	120	160	200	240	280	320	360	400	440
geleidbaarheid (µS/cm)	0	100	200	300	400	500	600	700	800	900	1000	1100
calcium (mg/l)	0	20	40	60	80	100	120	140	160	180	200	220
natrium (mg/l)	0	40	80	120	160	200	240	280	320	360	400	440
kalium (mg/l)	0	2	4	6	8	10	12	14	16	18	20	22
magnesium (mg/l)	0	10	20	30	40	50	60	70	80	90	100	110
bicarbonaat (mg/l)	0	40	80	120	160	200	240	280	320	360	400	440
sulfaat (mg/l)	0	20	40	60	80	100	120	140	160	180	200	220
chlorofyll-a (µg/l)	0	20	40	60	80	100	120	140	160	180	200	220
doorzichtig (m)	0	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5
diepte (m)	0	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5
oppervlakte (ha)	0	100	200	300	400	500	600	700	800	900	1000	1100
verbliftijd	0	100	200	300	400	500	600	700	800	900	1000	1100
bodemsaestelling	0	100	200	300	400	500	600	700	800	900	1000	1100
waterlijpen	0	100	200	300	400	500	600	700	800	900	1000	1100

Fytoplankton : Chlorofyceae (groenwieren)  
**Scenedesmus disciformis**



abundantie-klasse  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 □ => 500 ind./ml

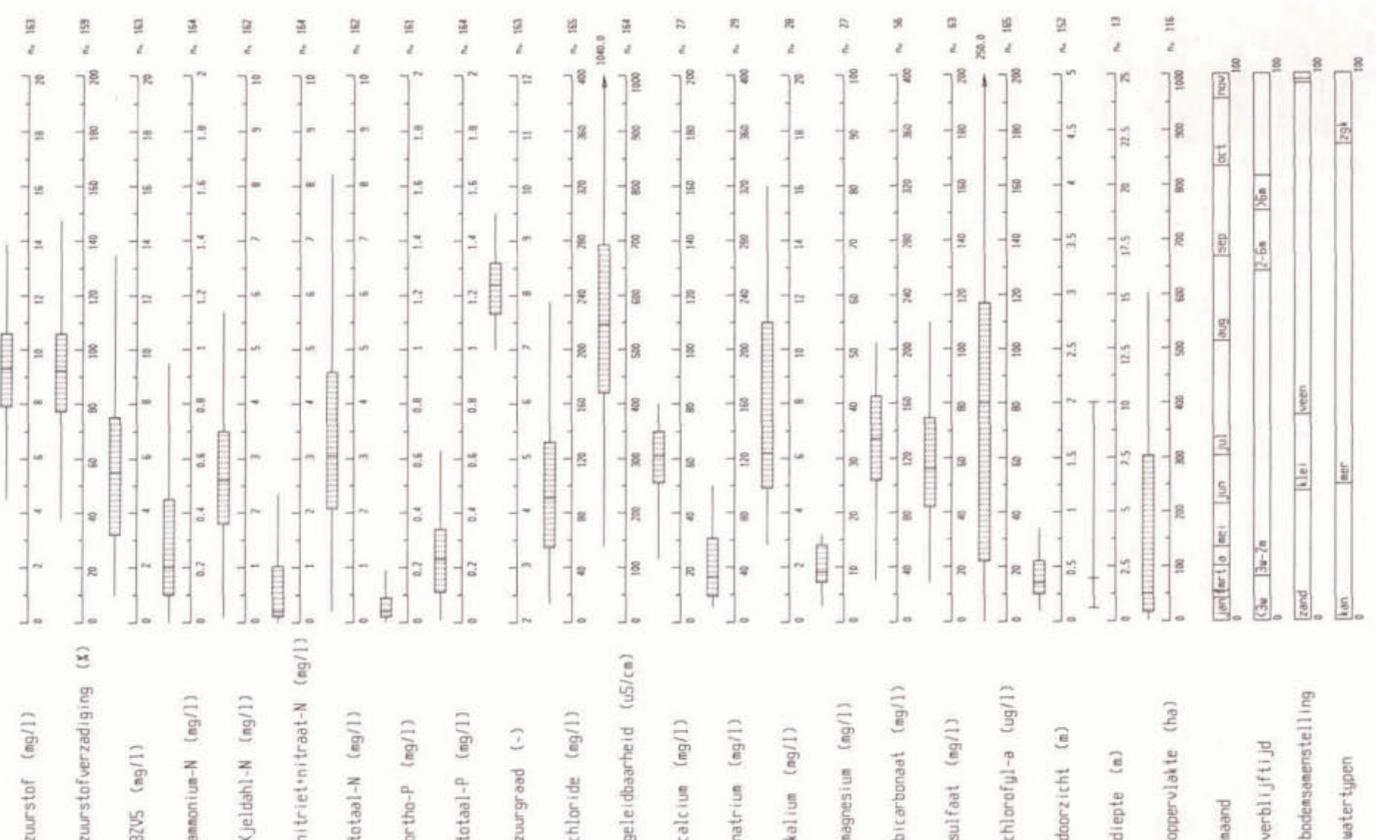
**stowa**  
 Eco-atlas van waterorganismen

vangsten : 169  
 locaties : 58  
 hokken : 58

**Scenedesmus disciformis**

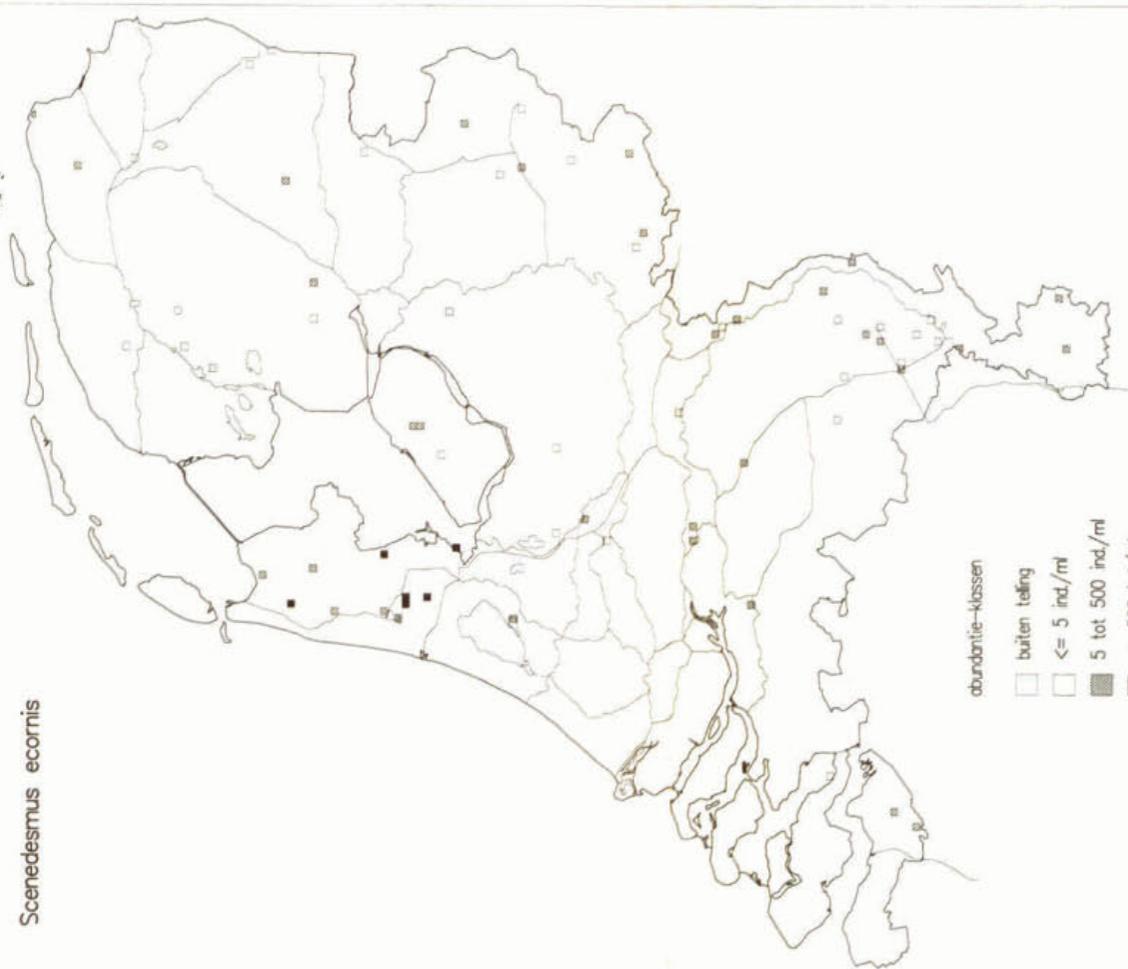
watertypen  
 □ sloten  
 □ stromende wateren  
 □ zand-, grind- en kleigaten  
 □ meren  
 □ kanalen

**Scenedesmus disciformis**



Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus ecornis

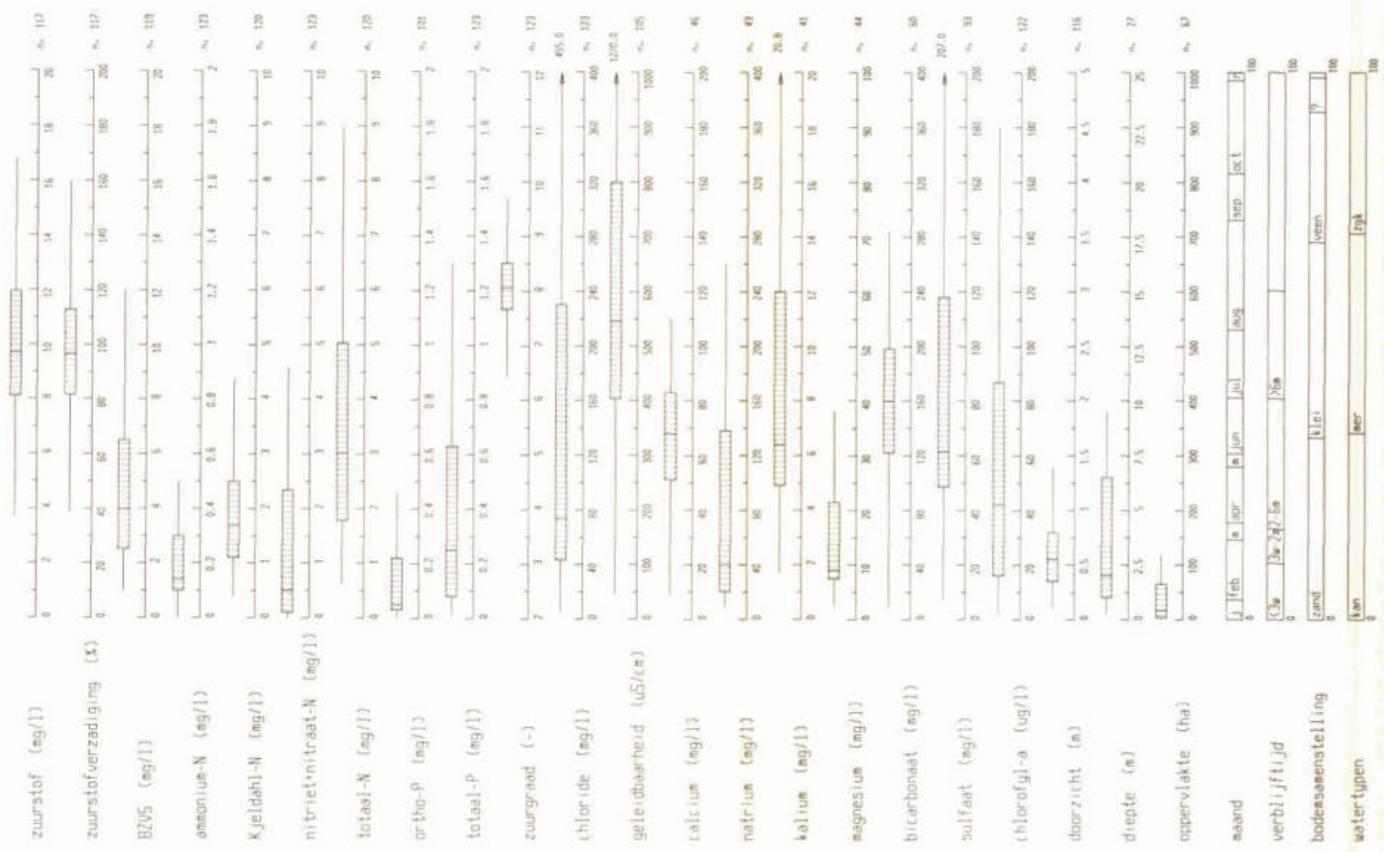


abundantie-klasse  
 □ buiten telling  
 □ <= 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ >= 500 ind./ml

Scenedesmus ecornis  
 □ slotten  
 □ stromende wateren  
 □ koudwater  
 □ meren  
 □ zand-, grind- en kleigaten

vangstien : 126  
 locaties : 73  
 hokken : 69

Scenedesmus ecornis

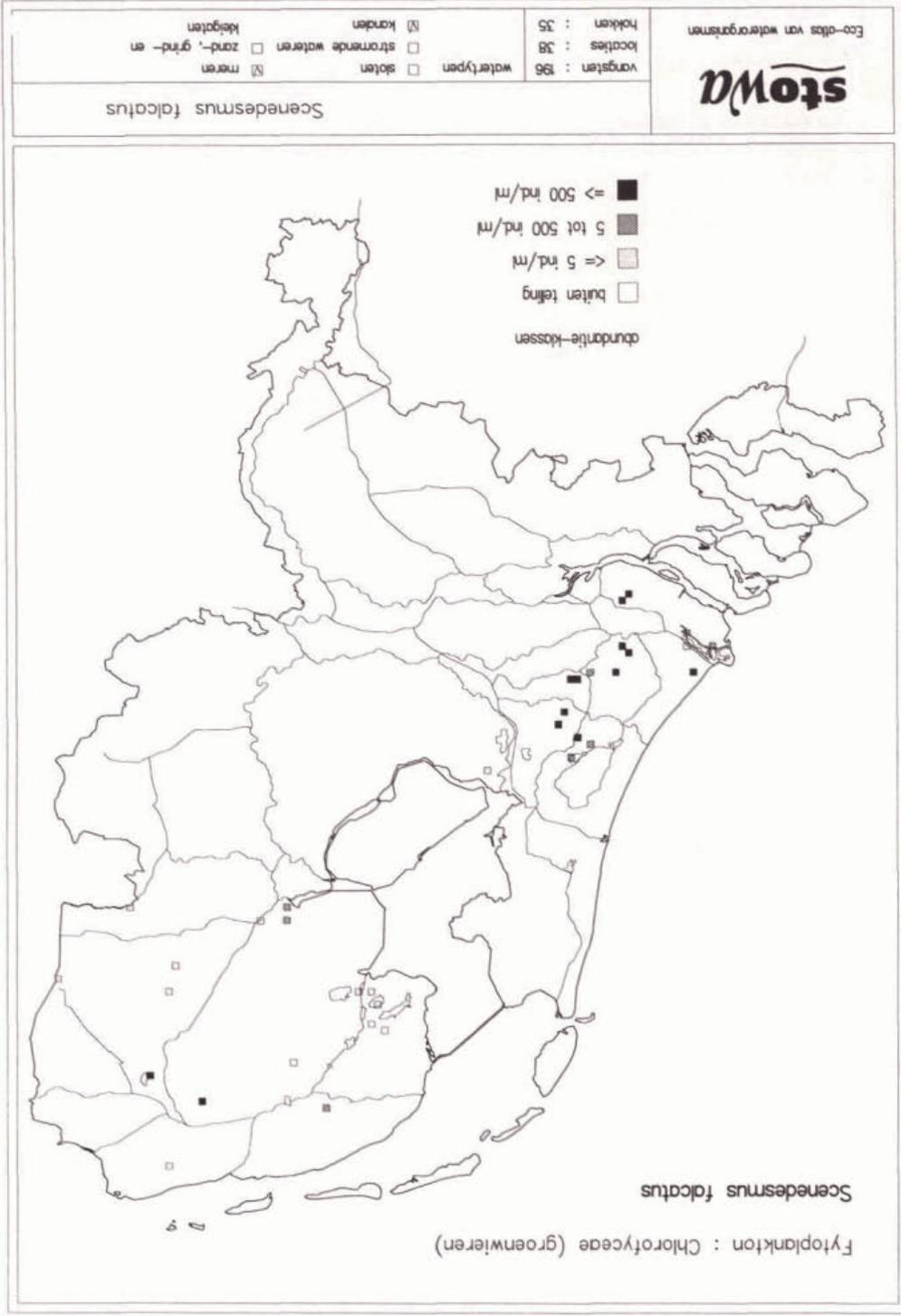
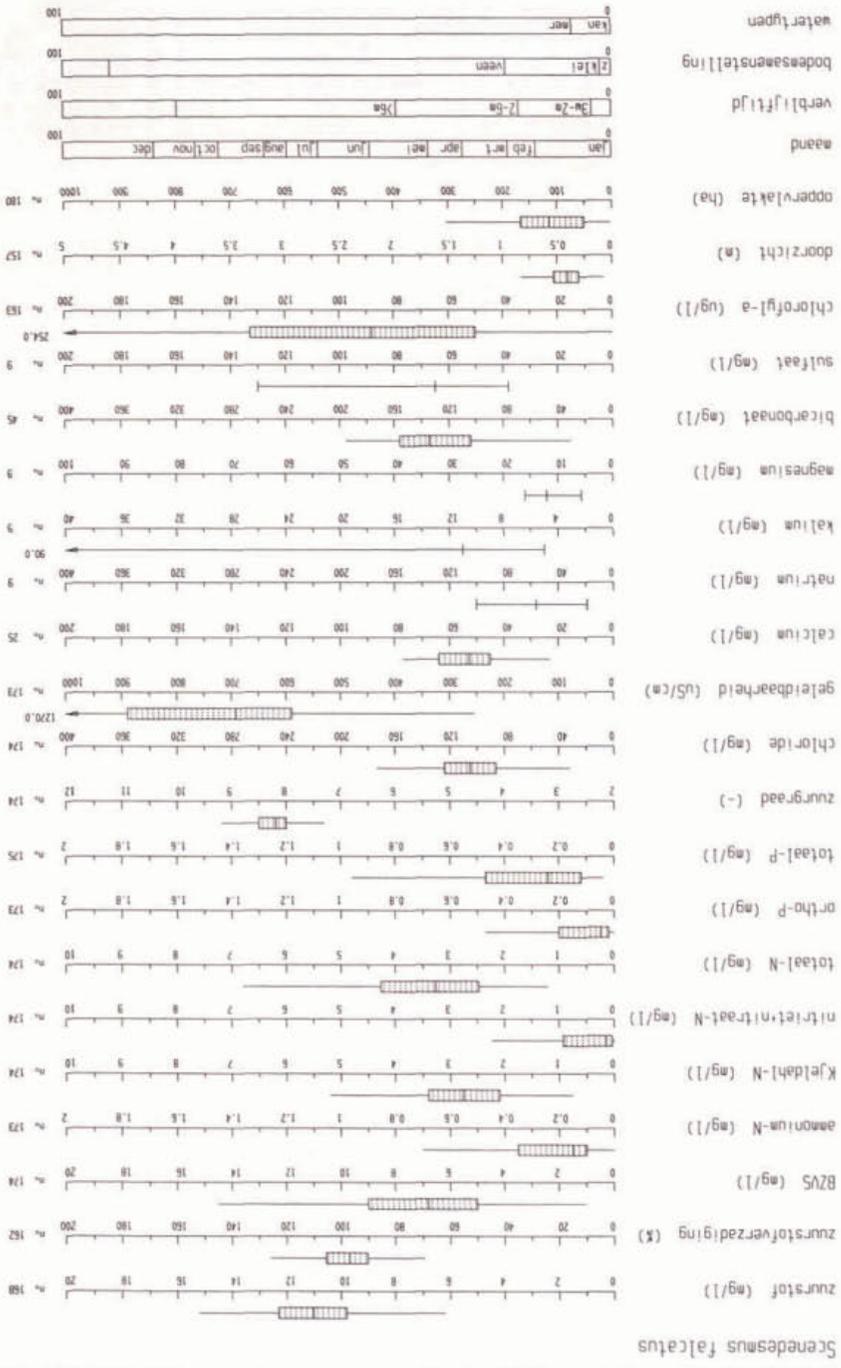


maand: J. Feb. e. Mar. e. Jun. Jul. Aug. sep. Oct. 100

verblijftijd: 0-30 31-45 46-60 61-75 76-90 91-100

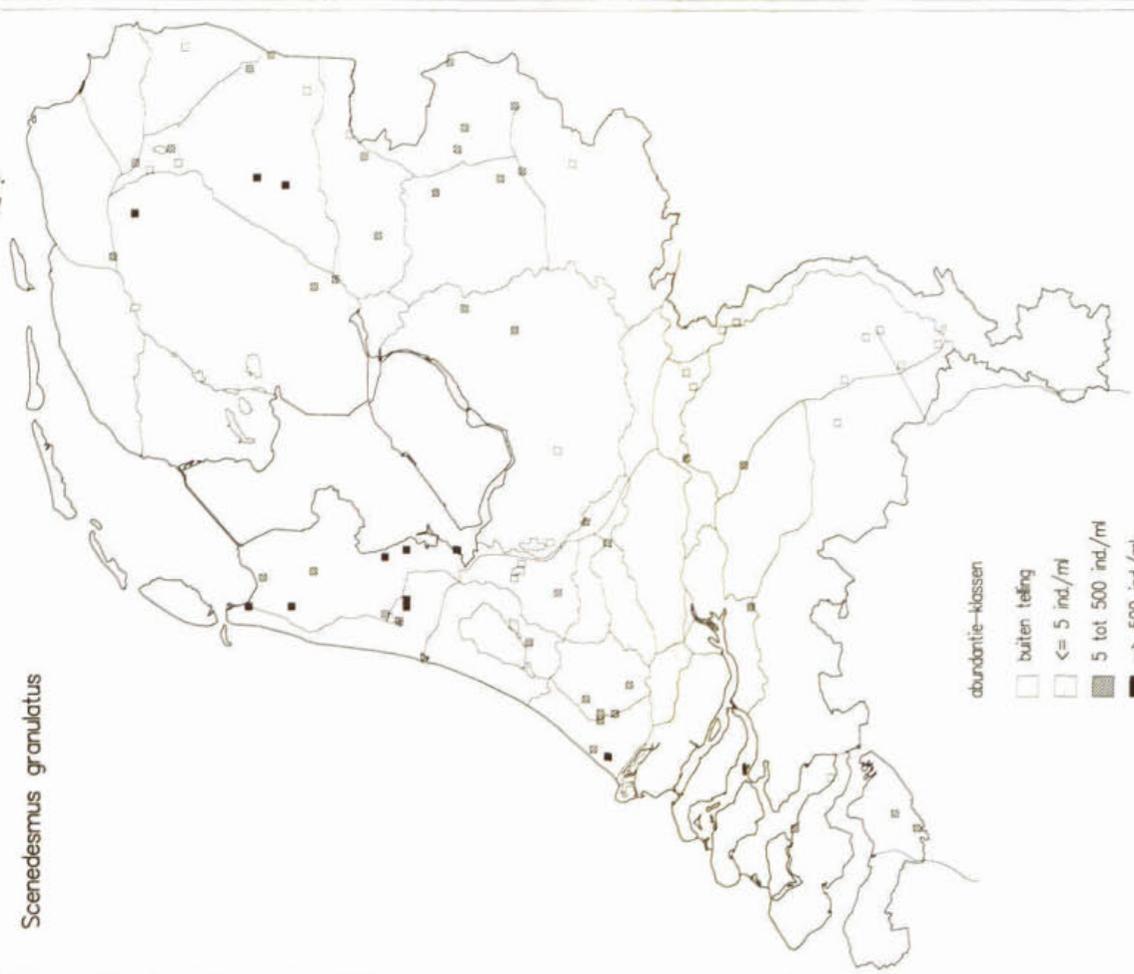
bodemgestelding: zand 0-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100

watertypen: kan 0-10 11-20 21-30 31-40 41-50 51-60 61-70 71-80 81-90 91-100



Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus granulatus



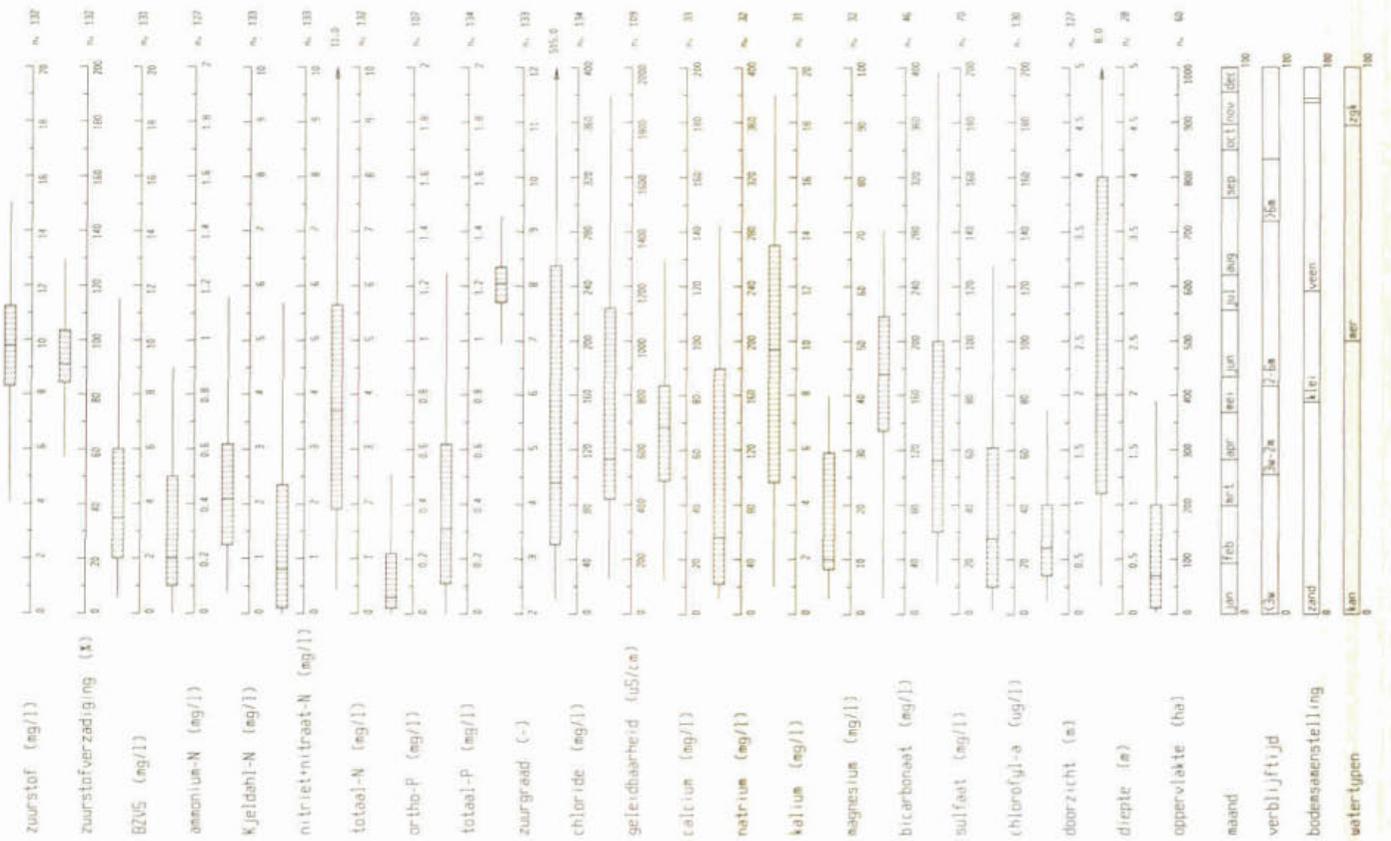
abundantie-classes  
 □ buiten telling  
 □ ≤ 5 ind./m  
 ■ 5 tot 500 ind./m  
 ■ => 500 ind./m

Scenedesmus granulatus

watertypen □ skoten □ meren □ stromende wateren □ zand-, grind- en kleigaten □ kanalen  
 vangsten : 142  
 locaties : 72  
 hakken : 71

**stowa**  
 Eco-atlas van waterorganismen

Scenedesmus granulatus



Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus gutwinski



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

**stowa**

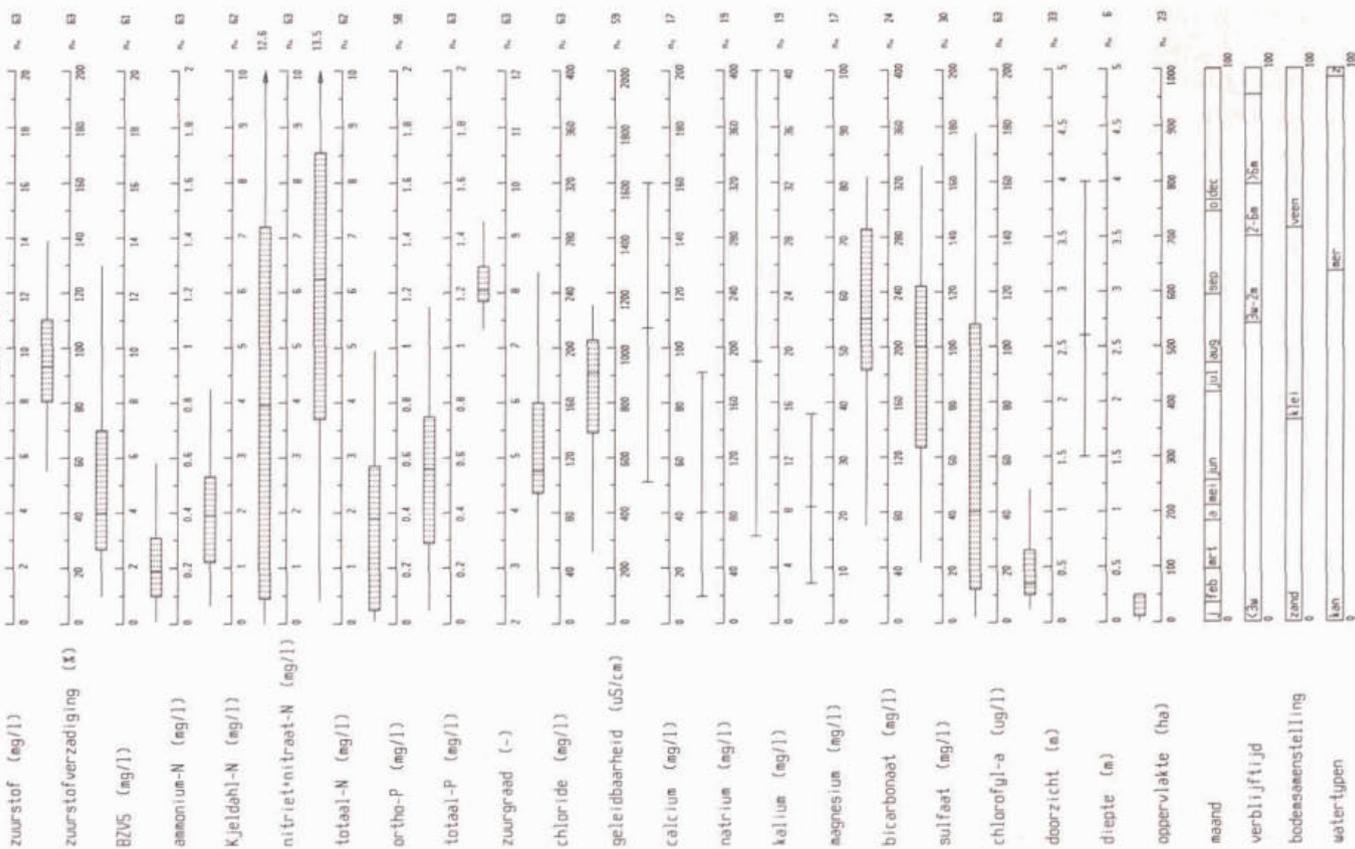
Eco-atlas van waterorganismen

vangsten : 63  
locaties : 30  
holken : 29

water-typen  
 sloten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten  
 kanalen

Scenedesmus gutwinski

Scenedesmus gutwinski



maand:  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

verbliftijd:  0-2w  3-4w  5-6w  7-8w  9-10w

bodemaaianstelling:  0  klei  veen

water-typen:  0  1  2  3  4  5  6  7  8  9  10  11  12

Fytoplankton : Chlorofyceae (groenwieren)  
**Scenedesmus insignis**



abundantie-klasse  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

**Scenedesmus insignis**

vangsten : 31  
 locaties : 13  
 hokken : 12

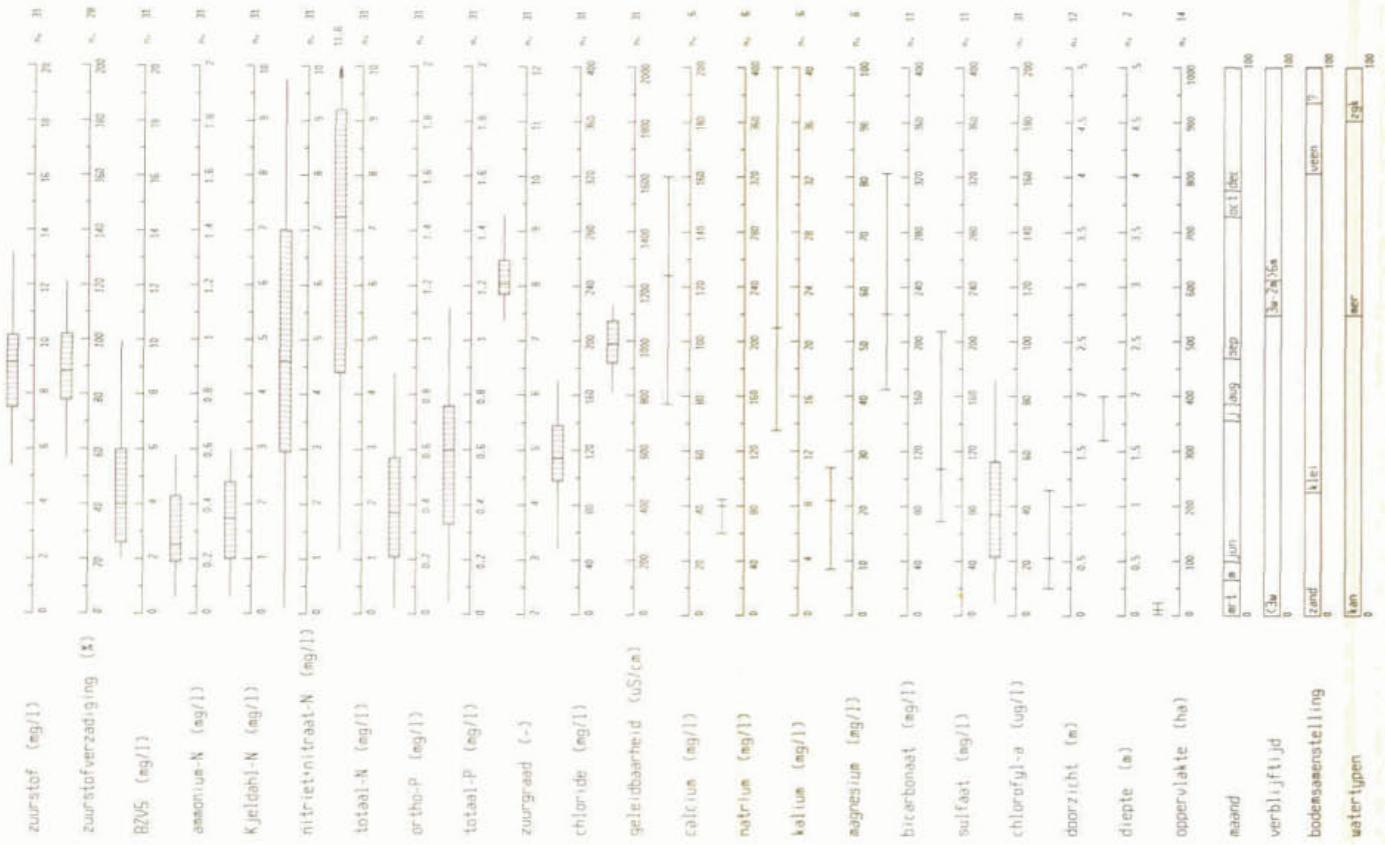
watertypen  
 sloten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleiputen

**stowa**

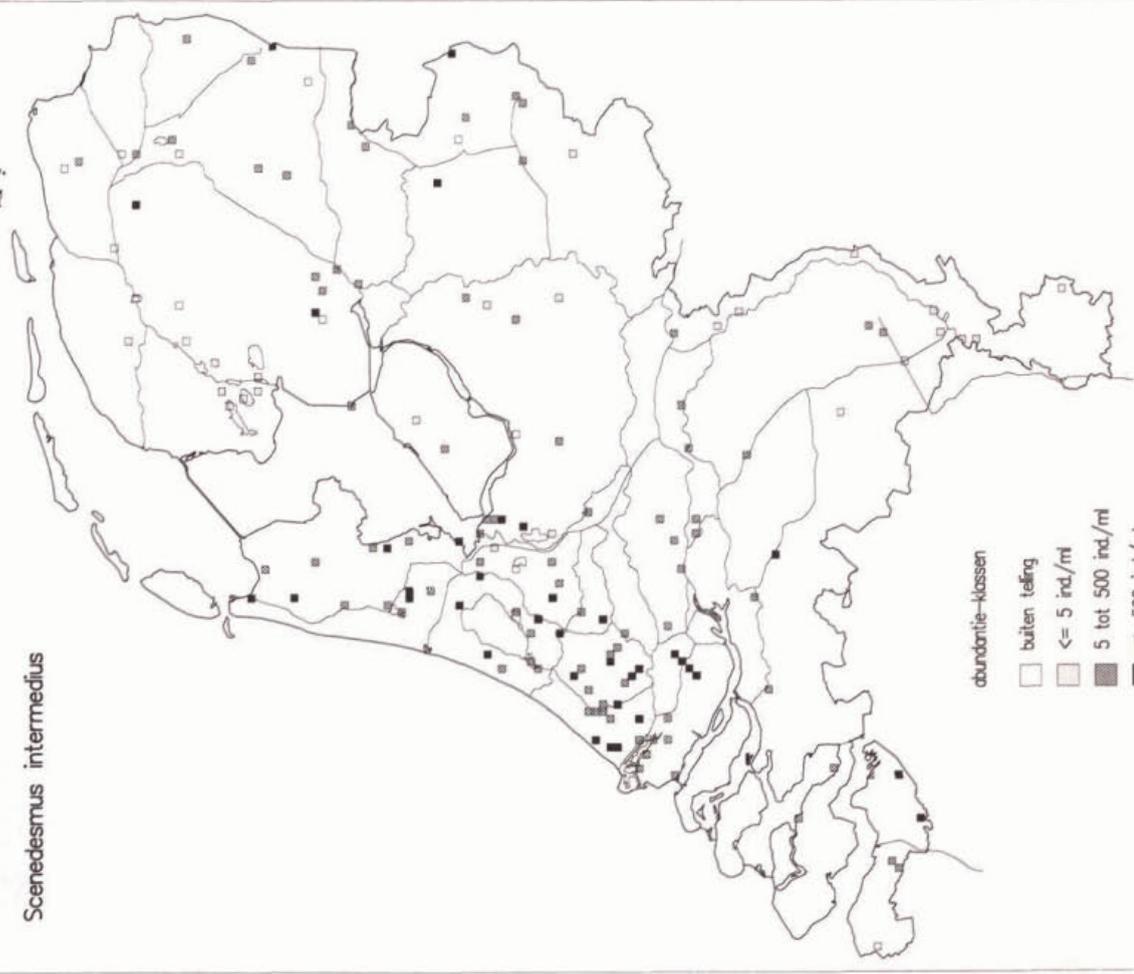
Eco-atlas van waterorganismen

**Scenedesmus insignis**



Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus intermedius



abundantie-classes  
 □ buiten telling  
 □ ≤ 5 ind./m  
 □ 5 tot 500 ind./m  
 ■ => 500 ind./m



Eco-atlas van waterorganismen

Scenedesmus intermedius

vangsten : 469  meren  
 locaties : 159  stromende wateren  zand-, grind- en kleigaten  
 hookken : 155  kanalen

watertypen

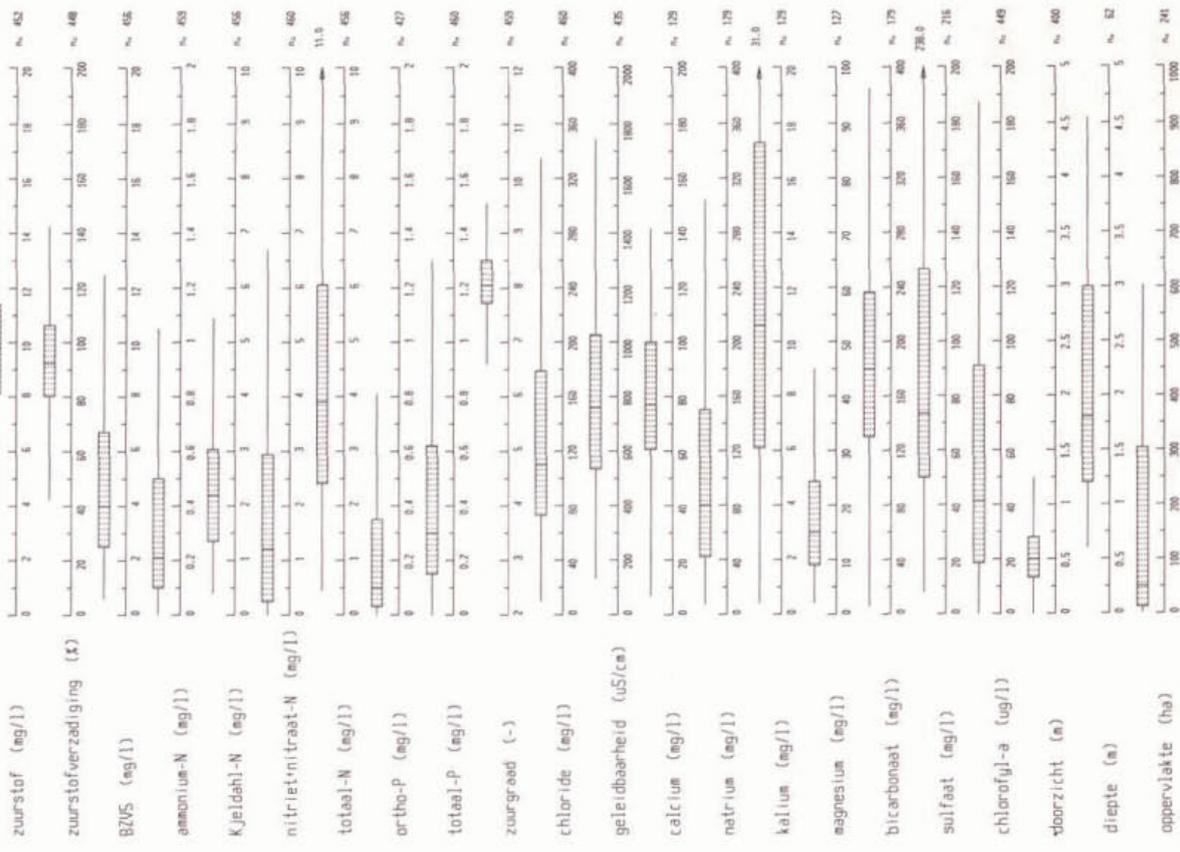
sloten

stromende wateren

meren

zand-, grind- en kleigaten

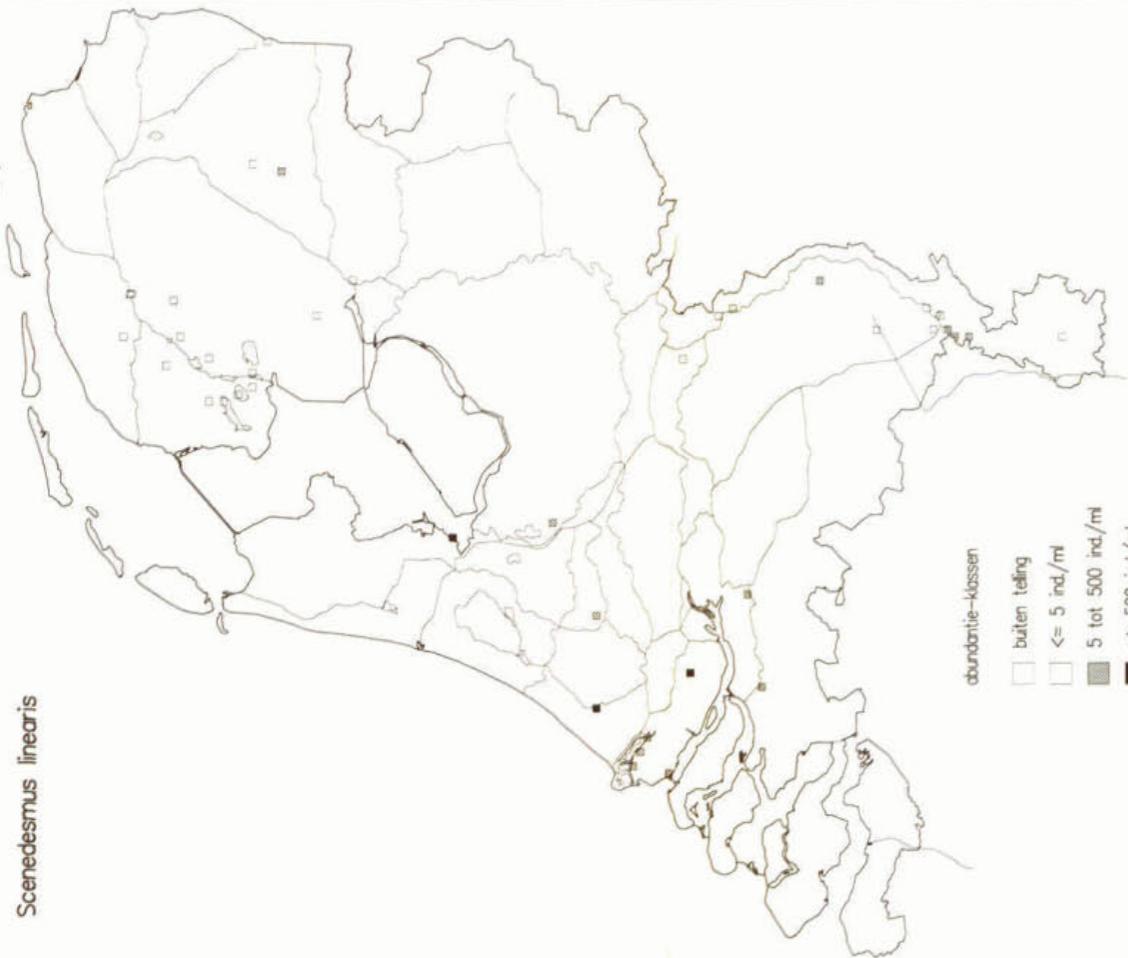
Scenedesmus intermedius



maand	jan	feb	mer	apr	mei	jun	jul	aug	sep	oct	nov	dec	n
verbljftijd													100
bodemsaestelling													100
water-typen													100

Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus linearis



**stowa**

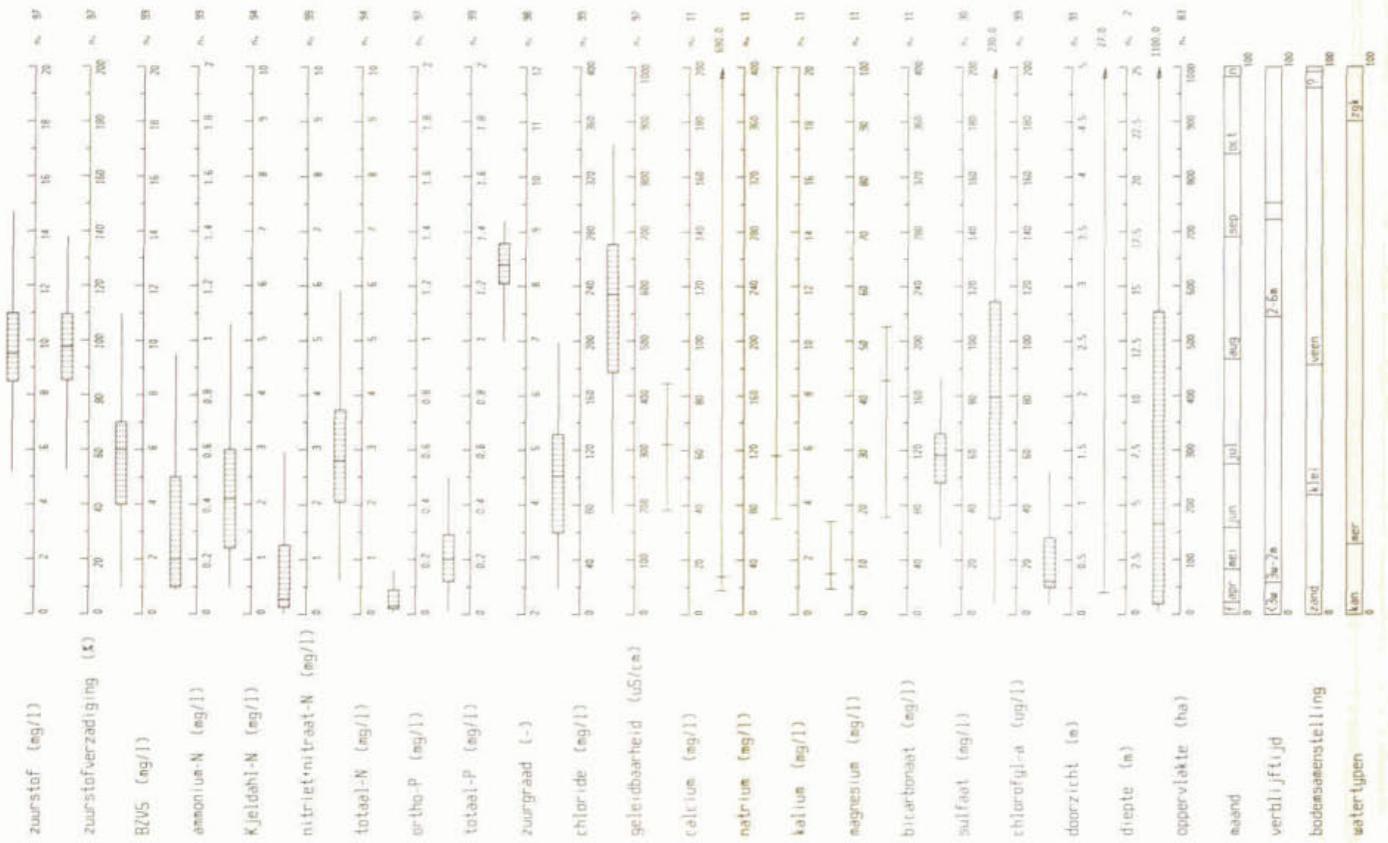
Eco-atlas van waterorganismen

Scenedesmus linearis

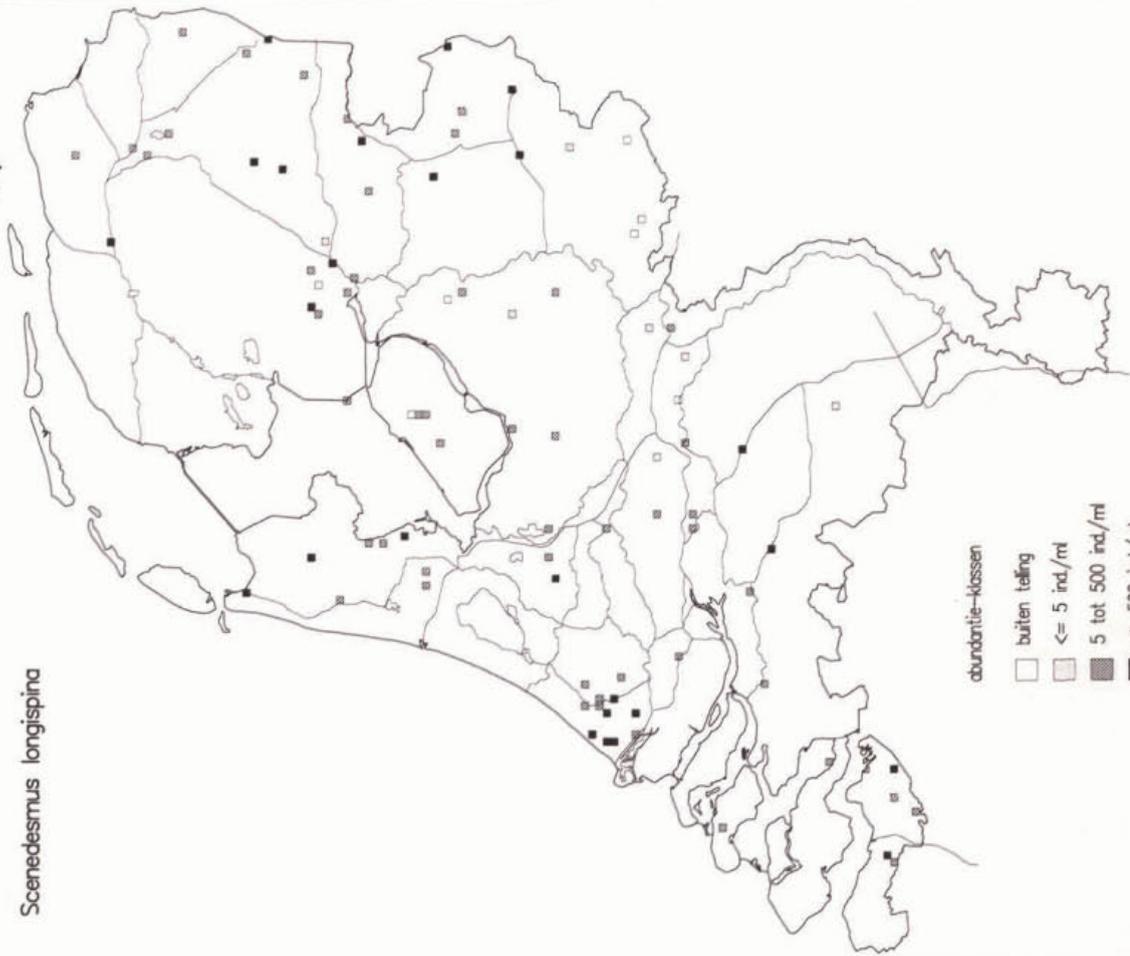
vangsten : 101  
 locaties : 39  
 hokken : 39

watertypen  
 abten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

Scenedesmus linearis



Fytoplankton : Chlorofyceae (groenwieren)  
**Scenedesmus longispina**



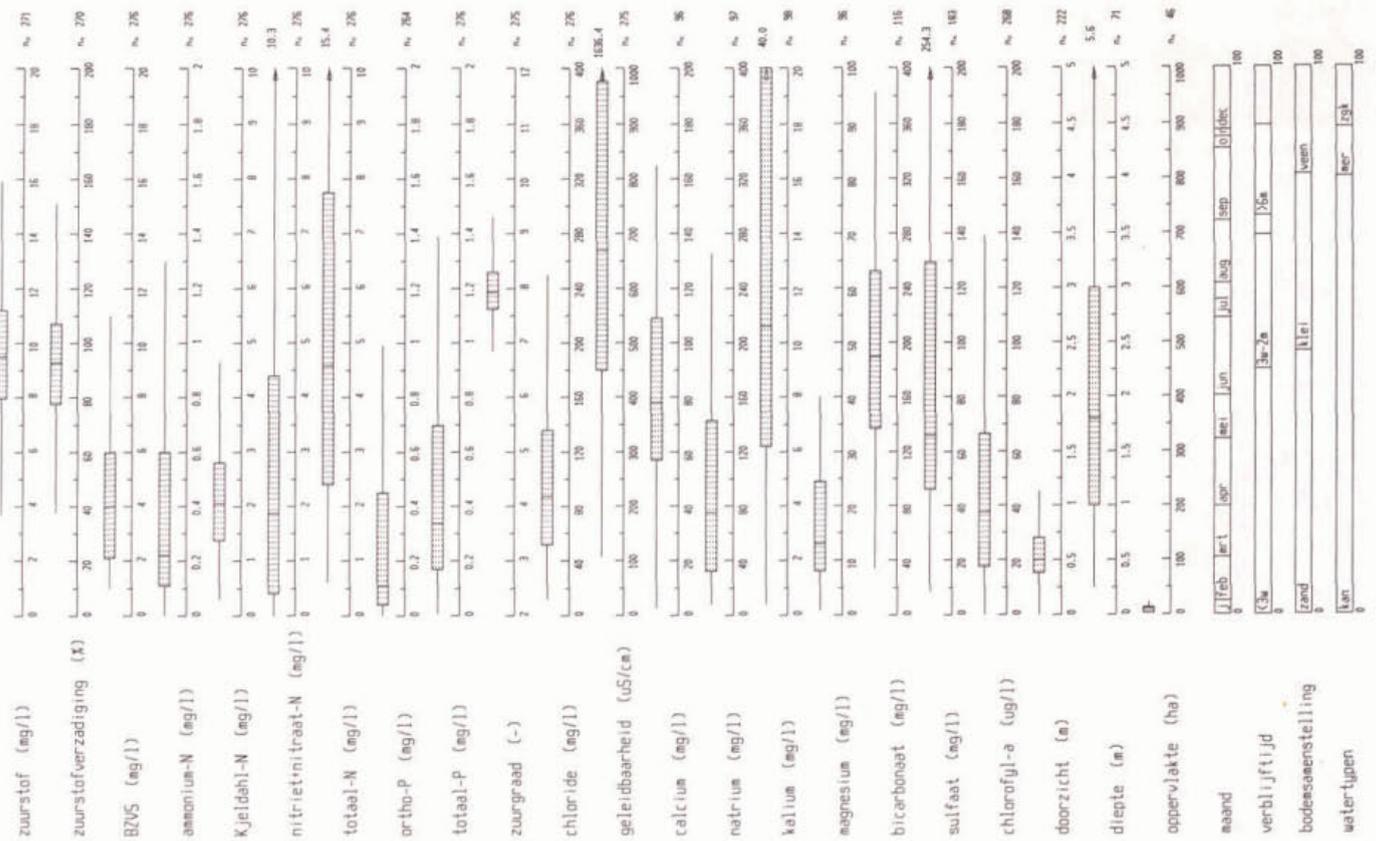
abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 >= 500 ind./ml



Scenedesmus longispina  
 vangsten : 278  
 locaties : 95  
 hokken : 91

watertypen  
 akten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

Scenedesmus longispina



maand:  jan  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

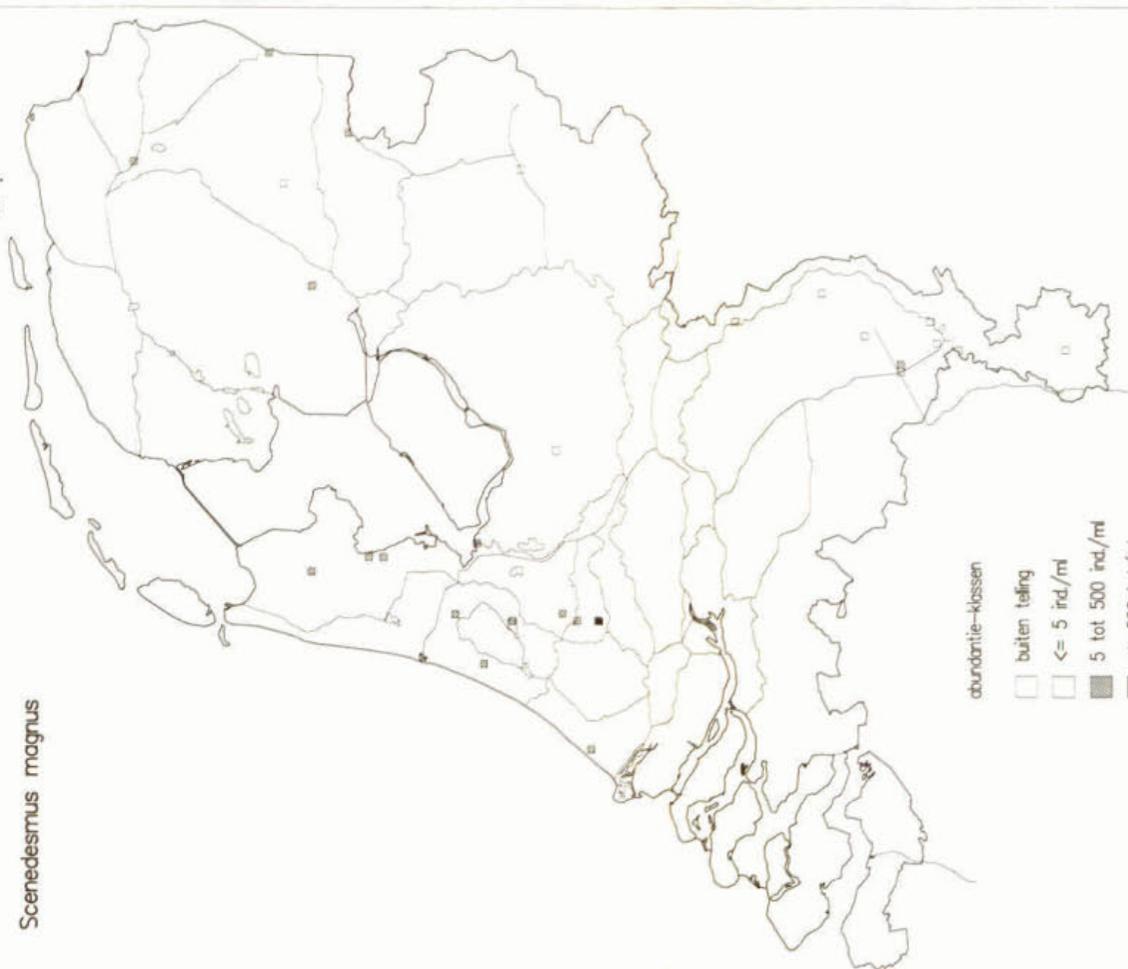
verblijftijd:  1-2m  3-4m  5-10m  15-20m  25-50m  50-100m  100-200m  200-500m  500-1000m

bodeseenstelling:  klei  leem  zand

watertypen:  kan  mer  zgt

Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus magnus



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

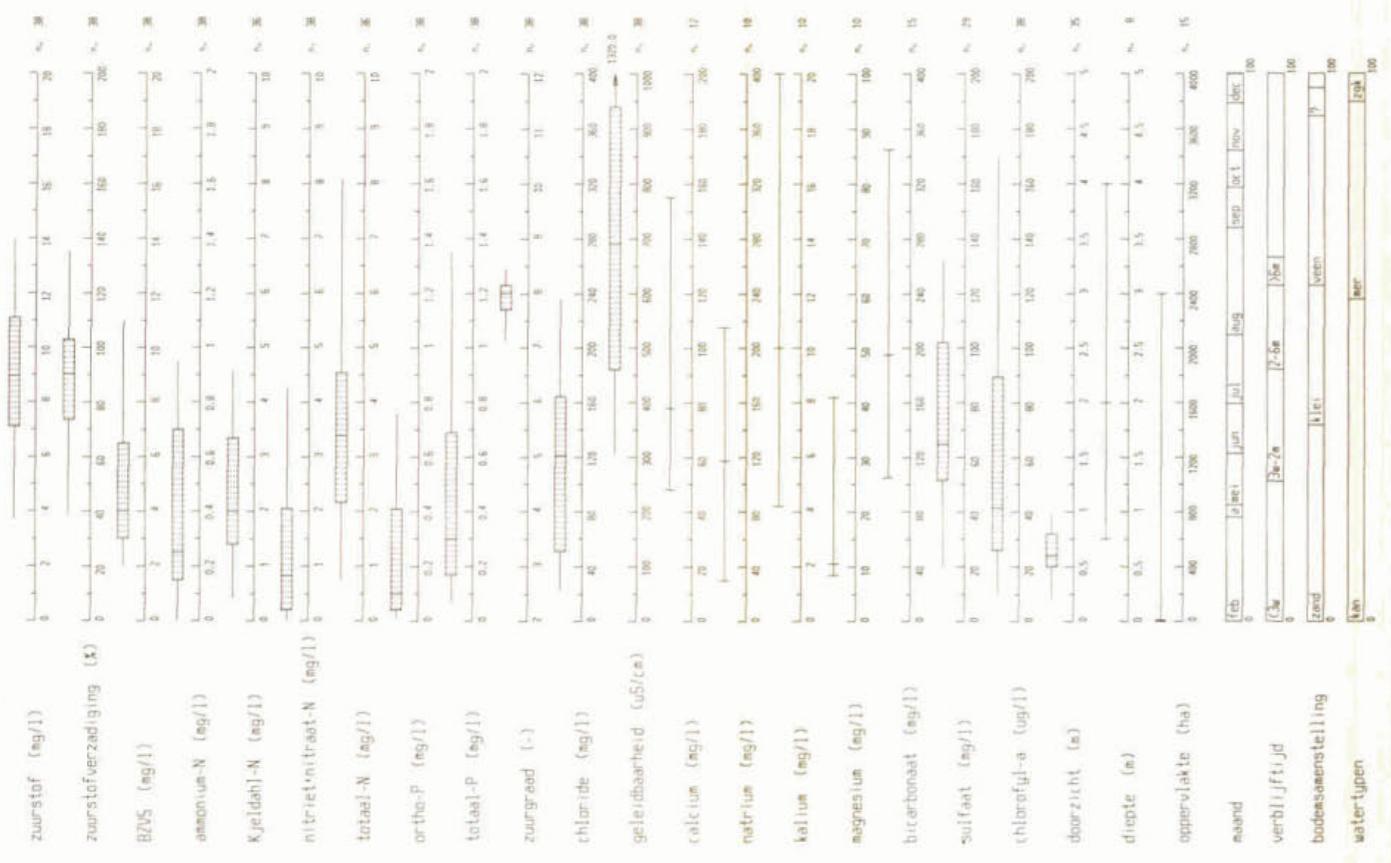
Scenedesmus magnus

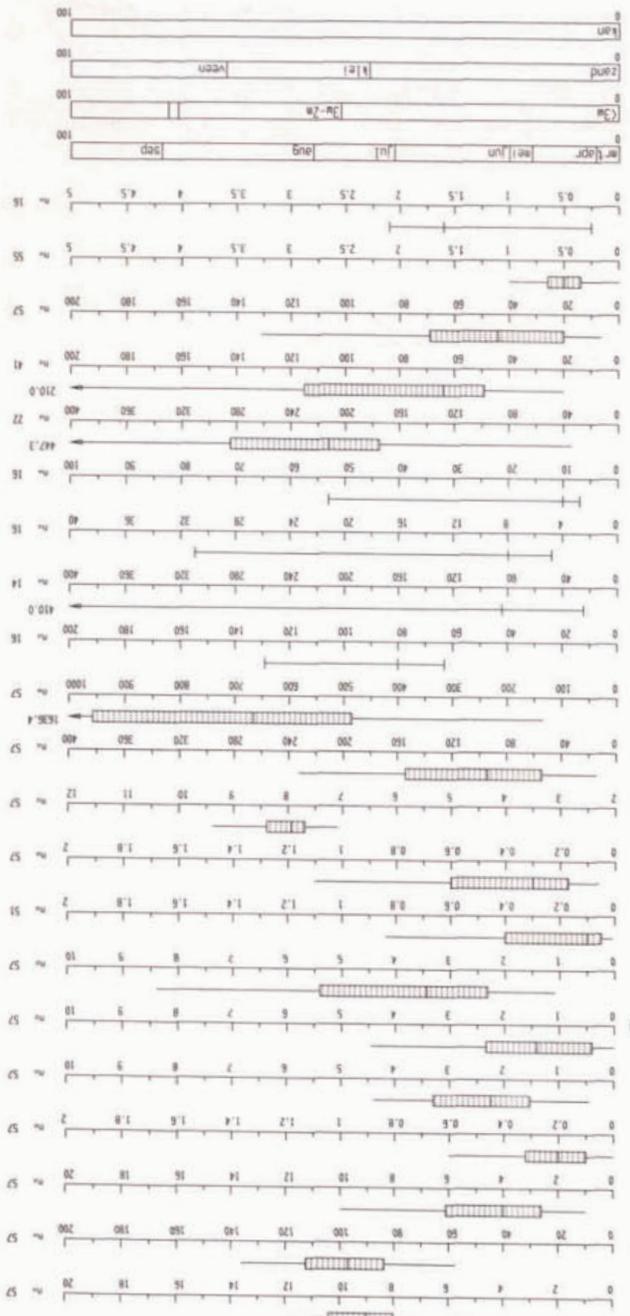
vangsten : 39  
 locaties : 29  
 hokken : 29

watertypen  
 □ sloten  
 ○ stromende wateren  
 △ kanalen

meren  
 ■ zand-, grind- en kleigaten

Scenedesmus magnus





Scenedesmus nanus

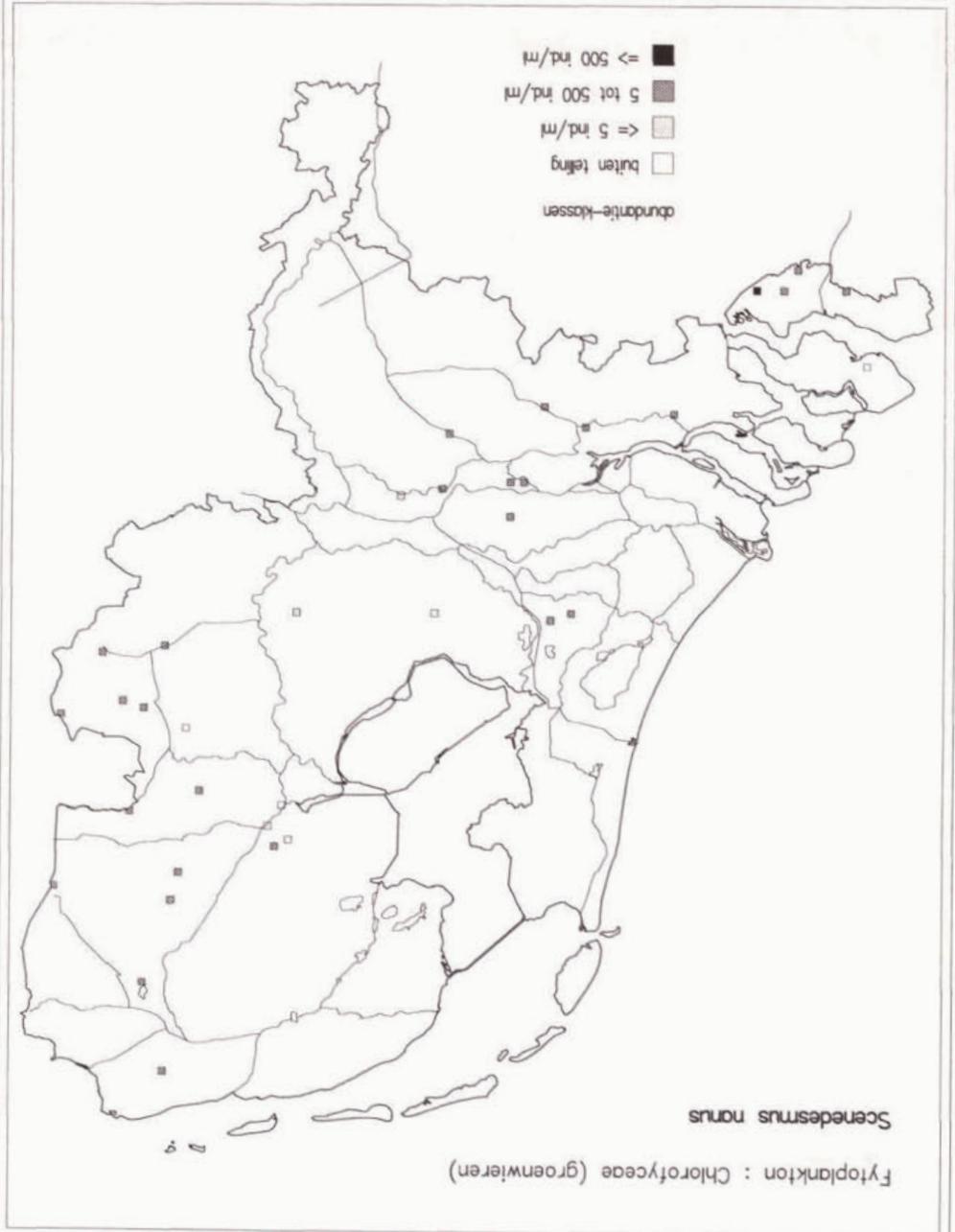
**STOWA**  
Eco-atlas van waterorganismen

Ecotoxis van waterorganismen

locaties : 35  
prokken : 35

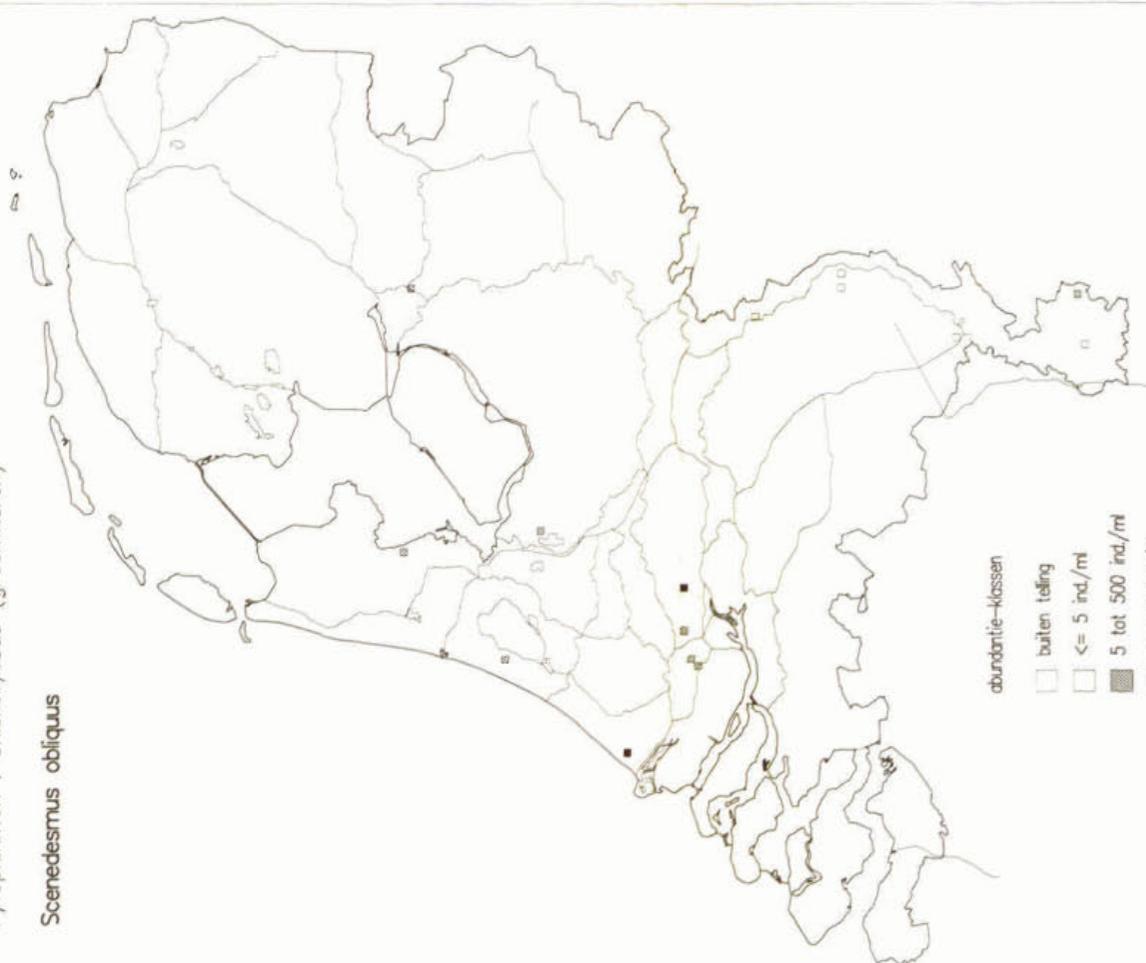
vangsten : 57  
watertypen  sloten  meren  
 stromende wateren  zand-, grind- en  
 kudden  kleigaten

Scenedesmus nanus



Fytoplankton : Chlorofyceae (groenwieren)

**Scenedesmus obliquus**



abundantie-klassen

- buiten telling
- ≤ 5 ind./ml
- 5 tot 500 ind./ml
- ≥ 500 ind./ml

**stowa**

Eco-atlas van waterorganismen

Scenedesmus obliquus

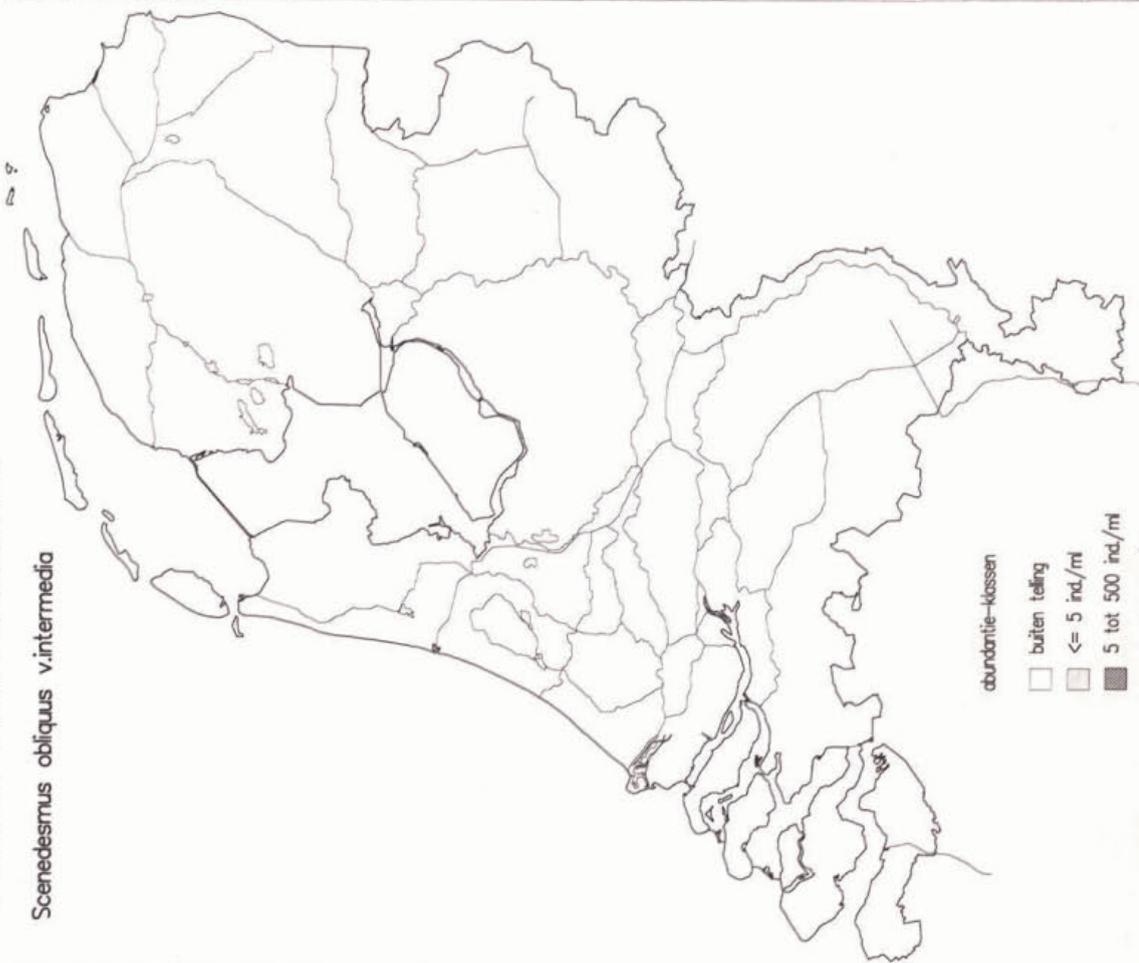
- vangsten : 20  
 locaties : 15  
 kolken : 15
- watertypen  
 sloten  
 stromende wateren  
 kanalen
- meren  
 zand-, grind- en  
 kleigaten

Scenedesmus obliquus

zuurstof (mg/l)	0 2 4 6 8 10 12 14 16 18 20	0 20 40 60 80 100 120 140 160 180 200
zuurstofverzadiging (%)	0 20 40 60 80 100 120 140 160 180 200	0 20 40 60 80 100 120 140 160 180 200
BZVS (mg/l)	0 2 4 6 8 10 12 14 16 18 20	0 20 40 60 80 100 120 140 160 180 200
ammonium-N (mg/l)	0 0.7 1.4 2.1 2.8 3.5 4.2 4.9 5.6 6.3 7.0 7.7 8.4 9.1 9.8 10.5 11.2 11.9 12.6 13.3 14.0 14.7 15.4 16.1 16.8 17.5 18.2 18.9 19.6 20.3 21.0 21.7 22.4 23.1 23.8 24.5 25.2 25.9 26.6 27.3 28.0 28.7 29.4 30.1 30.8 31.5 32.2 32.9 33.6 34.3 35.0 35.7 36.4 37.1 37.8 38.5 39.2 39.9 40.6 41.3 42.0 42.7 43.4 44.1 44.8 45.5 46.2 46.9 47.6 48.3 49.0 49.7 50.4 51.1 51.8 52.5 53.2 53.9 54.6 55.3 56.0 56.7 57.4 58.1 58.8 59.5 60.2 60.9 61.6 62.3 63.0 63.7 64.4 65.1 65.8 66.5 67.2 67.9 68.6 69.3 70.0 70.7 71.4 72.1 72.8 73.5 74.2 74.9 75.6 76.3 77.0 77.7 78.4 79.1 79.8 80.5 81.2 81.9 82.6 83.3 84.0 84.7 85.4 86.1 86.8 87.5 88.2 88.9 89.6 90.3 91.0 91.7 92.4 93.1 93.8 94.5 95.2 95.9 96.6 97.3 98.0 98.7 99.4 100.1 100.8 101.5 102.2 102.9 103.6 104.3 105.0 105.7 106.4 107.1 107.8 108.5 109.2 109.9 110.6 111.3 112.0 112.7 113.4 114.1 114.8 115.5 116.2 116.9 117.6 118.3 119.0 119.7 120.4 121.1 121.8 122.5 123.2 123.9 124.6 125.3 126.0 126.7 127.4 128.1 128.8 129.5 130.2 130.9 131.6 132.3 133.0 133.7 134.4 135.1 135.8 136.5 137.2 137.9 138.6 139.3 140.0 140.7 141.4 142.1 142.8 143.5 144.2 144.9 145.6 146.3 147.0 147.7 148.4 149.1 149.8 150.5 151.2 151.9 152.6 153.3 154.0 154.7 155.4 156.1 156.8 157.5 158.2 158.9 159.6 160.3 161.0 161.7 162.4 163.1 163.8 164.5 165.2 165.9 166.6 167.3 168.0 168.7 169.4 170.1 170.8 171.5 172.2 172.9 173.6 174.3 175.0 175.7 176.4 177.1 177.8 178.5 179.2 179.9 180.6 181.3 182.0 182.7 183.4 184.1 184.8 185.5 186.2 186.9 187.6 188.3 189.0 189.7 190.4 191.1 191.8 192.5 193.2 193.9 194.6 195.3 196.0 196.7 197.4 198.1 198.8 199.5 200.2 200.9 201.6 202.3 203.0 203.7 204.4 205.1 205.8 206.5 207.2 207.9 208.6 209.3 210.0 210.7 211.4 212.1 212.8 213.5 214.2 214.9 215.6 216.3 217.0 217.7 218.4 219.1 219.8 220.5 221.2 221.9 222.6 223.3 224.0 224.7 225.4 226.1 226.8 227.5 228.2 228.9 229.6 230.3 231.0 231.7 232.4 233.1 233.8 234.5 235.2 235.9 236.6 237.3 238.0 238.7 239.4 240.1 240.8 241.5 242.2 242.9 243.6 244.3 245.0 245.7 246.4 247.1 247.8 248.5 249.2 249.9 250.6 251.3 252.0 252.7 253.4 254.1 254.8 255.5 256.2 256.9 257.6 258.3 259.0 259.7 260.4 261.1 261.8 262.5 263.2 263.9 264.6 265.3 266.0 266.7 267.4 268.1 268.8 269.5 270.2 270.9 271.6 272.3 273.0 273.7 274.4 275.1 275.8 276.5 277.2 277.9 278.6 279.3 280.0 280.7 281.4 282.1 282.8 283.5 284.2 284.9 285.6 286.3 287.0 287.7 288.4 289.1 289.8 290.5 291.2 291.9 292.6 293.3 294.0 294.7 295.4 296.1 296.8 297.5 298.2 298.9 299.6 300.3 301.0 301.7 302.4 303.1 303.8 304.5 305.2 305.9 306.6 307.3 308.0 308.7 309.4 310.1 310.8 311.5 312.2 312.9 313.6 314.3 315.0 315.7 316.4 317.1 317.8 318.5 319.2 319.9 320.6 321.3 322.0 322.7 323.4 324.1 324.8 325.5 326.2 326.9 327.6 328.3 329.0 329.7 330.4 331.1 331.8 332.5 333.2 333.9 334.6 335.3 336.0 336.7 337.4 338.1 338.8 339.5 340.2 340.9 341.6 342.3 343.0 343.7 344.4 345.1 345.8 346.5 347.2 347.9 348.6 349.3 350.0 350.7 351.4 352.1 352.8 353.5 354.2 354.9 355.6 356.3 357.0 357.7 358.4 359.1 359.8 360.5 361.2 361.9 362.6 363.3 364.0 364.7 365.4 366.1 366.8 367.5 368.2 368.9 369.6 370.3 371.0 371.7 372.4 373.1 373.8 374.5 375.2 375.9 376.6 377.3 378.0 378.7 379.4 380.1 380.8 381.5 382.2 382.9 383.6 384.3 385.0 385.7 386.4 387.1 387.8 388.5 389.2 389.9 390.6 391.3 392.0 392.7 393.4 394.1 394.8 395.5 396.2 396.9 397.6 398.3 399.0 399.7 400.4 401.1 401.8 402.5 403.2 403.9 404.6 405.3 406.0 406.7 407.4 408.1 408.8 409.5 410.2 410.9 411.6 412.3 413.0 413.7 414.4 415.1 415.8 416.5 417.2 417.9 418.6 419.3 420.0 420.7 421.4 422.1 422.8 423.5 424.2 424.9 425.6 426.3 427.0 427.7 428.4 429.1 429.8 430.5 431.2 431.9 432.6 433.3 434.0 434.7 435.4 436.1 436.8 437.5 438.2 438.9 439.6 440.3 441.0 441.7 442.4 443.1 443.8 444.5 445.2 445.9 446.6 447.3 448.0 448.7 449.4 450.1 450.8 451.5 452.2 452.9 453.6 454.3 455.0 455.7 456.4 457.1 457.8 458.5 459.2 459.9 460.6 461.3 462.0 462.7 463.4 464.1 464.8 465.5 466.2 466.9 467.6 468.3 469.0 469.7 470.4 471.1 471.8 472.5 473.2 473.9 474.6 475.3 476.0 476.7 477.4 478.1 478.8 479.5 480.2 480.9 481.6 482.3 483.0 483.7 484.4 485.1 485.8 486.5 487.2 487.9 488.6 489.3 490.0 490.7 491.4 492.1 492.8 493.5 494.2 494.9 495.6 496.3 497.0 497.7 498.4 499.1 499.8 500.5 501.2 501.9 502.6 503.3 504.0 504.7 505.4 506.1 506.8 507.5 508.2 508.9 509.6 510.3 511.0 511.7 512.4 513.1 513.8 514.5 515.2 515.9 516.6 517.3 518.0 518.7 519.4 520.1 520.8 521.5 522.2 522.9 523.6 524.3 525.0 525.7 526.4 527.1 527.8 528.5 529.2 529.9 530.6 531.3 532.0 532.7 533.4 534.1 534.8 535.5 536.2 536.9 537.6 538.3 539.0 539.7 540.4 541.1 541.8 542.5 543.2 543.9 544.6 545.3 546.0 546.7 547.4 548.1 548.8 549.5 550.2 550.9 551.6 552.3 553.0 553.7 554.4 555.1 555.8 556.5 557.2 557.9 558.6 559.3 560.0 560.7 561.4 562.1 562.8 563.5 564.2 564.9 565.6 566.3 567.0 567.7 568.4 569.1 569.8 570.5 571.2 571.9 572.6 573.3 574.0 574.7 575.4 576.1 576.8 577.5 578.2 578.9 579.6 580.3 581.0 581.7 582.4 583.1 583.8 584.5 585.2 585.9 586.6 587.3 588.0 588.7 589.4 590.1 590.8 591.5 592.2 592.9 593.6 594.3 595.0 595.7 596.4 597.1 597.8 598.5 599.2 599.9 600.6 601.3 602.0 602.7 603.4 604.1 604.8 605.5 606.2 606.9 607.6 608.3 609.0 609.7 610.4 611.1 611.8 612.5 613.2 613.9 614.6 615.3 616.0 616.7 617.4 618.1 618.8 619.5 620.2 620.9 621.6 622.3 623.0 623.7 624.4 625.1 625.8 626.5 627.2 627.9 628.6 629.3 630.0 630.7 631.4 632.1 632.8 633.5 634.2 634.9 635.6 636.3 637.0 637.7 638.4 639.1 639.8 640.5 641.2 641.9 642.6 643.3 644.0 644.7 645.4 646.1 646.8 647.5 648.2 648.9 649.6 650.3 651.0 651.7 652.4 653.1 653.8 654.5 655.2 655.9 656.6 657.3 658.0 658.7 659.4 660.1 660.8 661.5 662.2 662.9 663.6 664.3 665.0 665.7 666.4 667.1 667.8 668.5 669.2 669.9 670.6 671.3 672.0 672.7 673.4 674.1 674.8 675.5 676.2 676.9 677.6 678.3 679.0 679.7 680.4 681.1 681.8 682.5 683.2 683.9 684.6 685.3 686.0 686.7 687.4 688.1 688.8 689.5 690.2 690.9 691.6 692.3 693.0 693.7 694.4 695.1 695.8 696.5 697.2 697.9 698.6 699.3 700.0 700.7 701.4 702.1 702.8 703.5 704.2 704.9 705.6 706.3 707.0 707.7 708.4 709.1 709.8 710.5 711.2 711.9 712.6 713.3 714.0 714.7 715.4 716.1 716.8 717.5 718.2 718.9 719.6 720.3 721.0 721.7 722.4 723.1 723.8 724.5 725.2 725.9 726.6 727.3 728.0 728.7 729.4 730.1 730.8 731.5 732.2 732.9 733.6 734.3 735.0 735.7 736.4 737.1 737.8 738.5 739.2 739.9 740.6 741.3 742.0 742.7 743.4 744.1 744.8 745.5 746.2 746.9 747.6 748.3 749.0 749.7 750.4 751.1 751.8 752.5 753.2 753.9 754.6 755.3 756.0 756.7 757.4 758.1 758.8 759.5 760.2 760.9 761.6 762.3 763.0 763.7 764.4 765.1 765.8 766.5 767.2 767.9 768.6 769.3 770.0 770.7 771.4 772.1 772.8 773.5 774.2 774.9 775.6 776.3 777.0 777.7 778.4 779.1 779.8 780.5 781.2 781.9 782.6 783.3 784.0 784.7 785.4 786.1 786.8 787.5 788.2 788.9 789.6 790.3 791.0 791.7 792.4 793.1 793.8 794.5 795.2 795.9 796.6 797.3 798.0 798.7 799.4 800.1 800.8 801.5 802.2 802.9 803.6 804.3 805.0 805.7 806.4 807.1 807.8 808.5 809.2 809.9 810.6 811.3 812.0 812.7 813.4 814.1 814.8 815.5 816.2 816.9 817.6 818.3 819.0 819.7 820.4 821.1 821.8 822.5 823.2 823.9 824.6 825.3 826.0 826.7 827.4 828.1 828.8 829.5 830.2 830.9 831.6 832.3 833.0 833.7 834.4 835.1 835.8 836.5 837.2 837.9 838.6 839.3 840.0 840.7 841.4 842.1 842.8 843.5 844.2 844.9 845.6 846.3 847.0 847.7 848.4 849.1 849.8 850.5 851.2 851.9 852.6 853.3 854.0 854.7 855.4 856.1 856.8 857.5 858.2 858.9 859.6 860.3 861.0 861.7 862.4 863.1 863.8 864.5 865.2 865.9 866.6 867.3 868.0 868.7 869.4 870.1 870.8 871.5 872.2 872.9 873.6 874.3 875.0 875.7 876.4 877.1 877.8 878.5 879.2 879.9 880.6 881.3 882.0 882.7 883.4 884.1 884.8 885.5 886.2 886.9 887.6 888.3 889.0 889.7 890.4 891.1 891.8 892.5 893.2 893.9 894.6 895.3 896.0 896.7 897.4 898.1 898.8 899.5 900.2 900.9 901.6 902.3 903.0 903.7 904.4 905.1 905.8 906.5 907.2 907.9 908.6 909.3 910.0 910.7 911.4 912.1 912.8 913.5 914.2 914.9 915.6 916.3 917.0 917.7 918.4 919.1 919.8 920.5 921.2 921.9 922.6 923.3 924.0 924.7 925.4 926.1 926.8 927.5 928.2 928.9 929.6 930.3 931.0 931.7 932.4 933.1 933.8 934.5 935.2 935.9 936.6 937.3 938.0 938.7 939.4 940.1 940.8 941.5 942.2 942.9 943.6 944.3 945.0 945.7 946.4 947.1 947.8 948.5 949.2 949.9 950.6 951.3 952.0 952.7 953.4 954.1 954.8 955.5 956.2 956.9 957.6 958.3 959.0 959.7 960.4 961.1 961.8 962.5 963.2 963.9 964.6 965.3 966.0 966.7 967.4 968.1 968.8 969.5 970.2 970.9 971.6 972.3 973.0 973.7 974.4 975.1 975.8 976.5 977.2 977.9 978.6 979.3 980.0 980.7 981.4 982.1 982.8 983.5 984.2 984.9 985.6 986.3 987.0 987.7 988.4 989.1 989.8 990.5 991.2 991.9 992.6 993.3 994.0 994.7 995.4 996.1 996.8 997.5 998.2 998.9 999.6 1000.3 1001.0 1001.7 1002.4 1003.1 1003.8 1004.5 1005.2 1005.9 1006.6 1007.3 1008.0 1008.7 1009.4 1010.1 1010.8 1011.5 1012.2 1012.9 1013.6 1014.3 1015.0 1015.7 1016.4 1017.1 1017.8 1018.5 1019.2 1019.9 1020.6 1021.3 1022.0 1022.7 1023.4 1024.1 1024.8 1025.5 1026.2 1026.9 1027.6 1028.3 1029.0 1029.7 1030.4 1031.1 1031.8 1032.5 1033.2 1033.9 1034.6 1035.3 1036.0 1036.7 1037.4 1038.1 1038.8 1039.5 1040.2 1040.9 1041.6 1042.3 1043.0 1043.7 1044.4 1045.1 1045.8 1046.5 1047.2 1047.9 1048.6 1049.3 1050.0 1050.7 1051.4 1052.1 1052.8 1053.5 1054.2 1054.9 1055.6 1056.3 1057.0 1057.7 1058.4 1059.1 1059.8 1060.5 1061.2 1061.9 1062.6 1063.3 1064.0 1064.7 1065.4 1066.1 1066.8 1067.5 1068.2 1068.9 1069.6 1070.3 1071.0 1071.7 1072.4 1073.1 1073.8 1074.5 1075.2 1075.9 1076.6 1077.3 1078.0 1078.7 1079.4 1080.1 1080.8 1081.5 1082.2 1082.9 1083.6 1084.3 1085.0 1085.7 1086.4 1087.1 1087.8 1088.5 1089.2 1089.9 1090.6 1091.3 1092.0 1092.7 1093.4 1094.1 1094.8 1095.5 1096.2 1096.9 1097.6 1098.3 1099.0 1099.7 1100.4 1101.1 1101.8 1102.5 1103.2 1103.9 1104.6 1105.3 1106.0 1106.7 1107.4 1108.1 1108.8 1109.5 1110.2 1110.9 1111.6 1112.3 1113.0 1113.7 1114.4 1115.1 1115.8 1116.5 1117.2 1117.9 1118.6 1119.3 1120.0 1120.7 1121.4 1122.1 1122.8 1123.5 1124.2 1124.9 1125.6 1126.3 1127.0 1127.7 1128.4 1129.1 1129.8 1130.5 1131.2 1131.9 1132.6 1133.3 1134.0 1134.7 1135.4 1136.1 1136.8 1137.5 1138.2 1138.9 1139.6 1140.3 1141.0 1141.7 1142.4 1143.1 1143.8 1144.5 1145.2 1145.9 1146.6 1147.3 1148.0 1148.7 1149.4 1150.1 1150.8 1151.5 1152.2 1152.9 1153.6 1154.3 1155.0 1155.7 1156.4 1157.1 1157.8 1158.5 1159.2 1159.9 1160.6 1161.3 1162.0 1162.7 1163.4 1164.1 1164.8 1165.5 1166.2 1166.9 1167.6 1168.3 1169.0 1169.7 1170.4 1171.1 1171.8 1172.5 1173.2 1173.9 1174.6 1175.3 1176.0 1176.7 1177.4 1178.1 1178.8 1179.5 1180.2 1180.9 1181.6 1182.3 1183.0 1183.7 1184.4 1185.1 1185.8 1186.5 1187.2 1187.9 1188.6 1189.3 1190.0 1190.7 1191.4 1192.1 1192.8 1193.5 1194.2 1194.9 1195.6 1196.3 1197.0 1197.7 1198.4 1199.1 1199.8 1200.5 1201.2 1201.9 1202.6 1203.3 1204.0 1204.7 1205.4 1206.1 1206.8 1207.5 1208.2 1208.9 1209.6 1210.3 1211.0 1211.7 1212.4 1213.1 1213.8 1214.5 1215.2 1215.9 1216.6 1217.3 1218.0 1218.7 1219.4 1220.1 1220.8 1221.5 1222.2 1222.9 1223.6 1224.3 1225.0 1225.7 1226.4 1227.1 1227.8 1228.5 1229.2 1229.9 1230.6 1231.3 1232.0 1232.7 1233.4 1234.1 1234.8 1235.5 1236.2 1236.9 1237.6 1238.3 1239.0 1239.7 1240.4 1241.1 1241.8 1242.5 1243.2 1243.9 1244.6 1245.3 1246.0 1246.7 1247.4 1248.1 1248.8 1249.5 1250.2 1250.9 1251.6 1252.3 1253.0 1253.7 1254.4 1255.1 1255.8 1256.5 1257.2 1257.9 1258.6 1259.3 1260.0 1260.7 1261.4 1262.1 1262.8 1263.5 1264.2 1264.9 1265.6 1266.3 1267.0 1267.7 1268.4 1269.1 1269.8 1270.5 1271.2 1271.9 1272.6 1273.3 1274.0 1274.7 1275.4 1276.1 1276.8 1277.5 1278.2 1278.9 1279.6 1280.3 1281.0 1281.7 1282.4 1283.1 1283.8 1284.5 1285.2 1285.9 1286.6 1287.3 1288.0 1288.7 1289.4 129	

Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus obliquus vintermedia



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

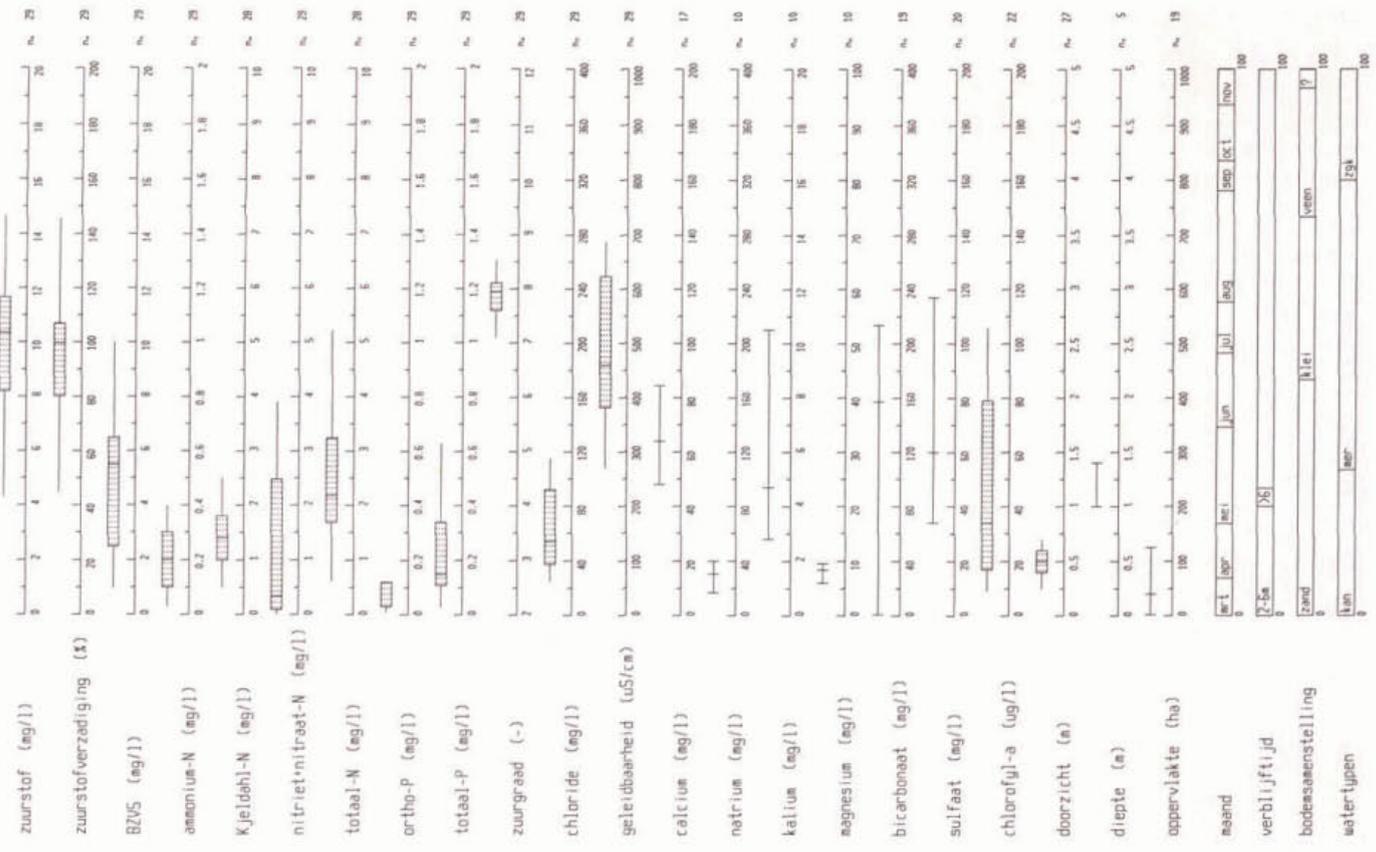


Scenedesmus obliquus vintermedia

vangsten : 30  
 locaties : 15  
 hakken : 15

watertypen  
 slotten  
 stromende wateren  
 kanden  
 meren  
 zand-, grind- en kleigaten

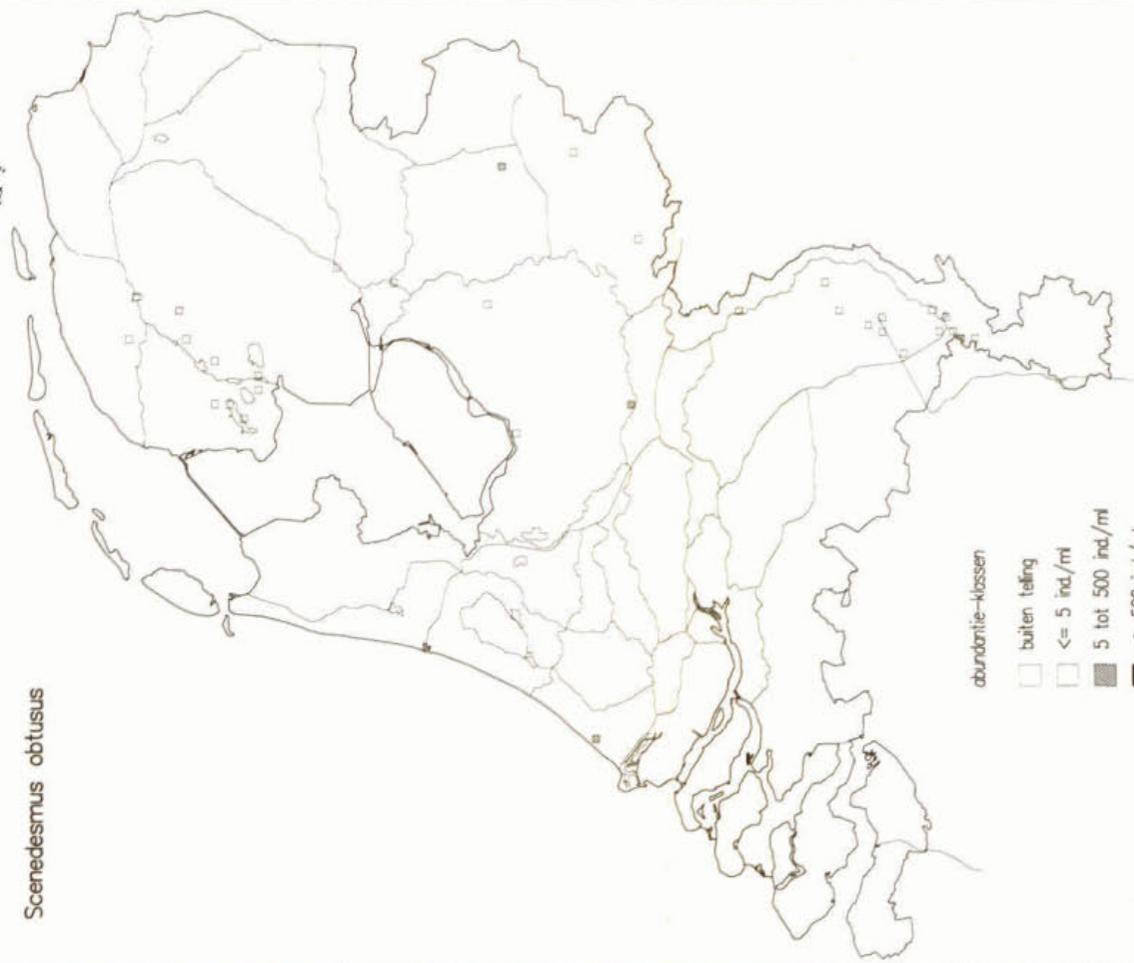
Scenedesmus obliquus v. intermedia



maand  
 verblijftijd  
 bodesaanstelling  
 watertypen

mrt apr mei jun jul aug sep oct nov  
 2-5a 10b  
 zand klei veen  
 kanden leeg  
 100  
 100  
 100  
 100

Fytoplankton : Chlorofyceae (groenwieren)  
**Scenedesmus obtusus**



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ⇒ 500 ind./ml

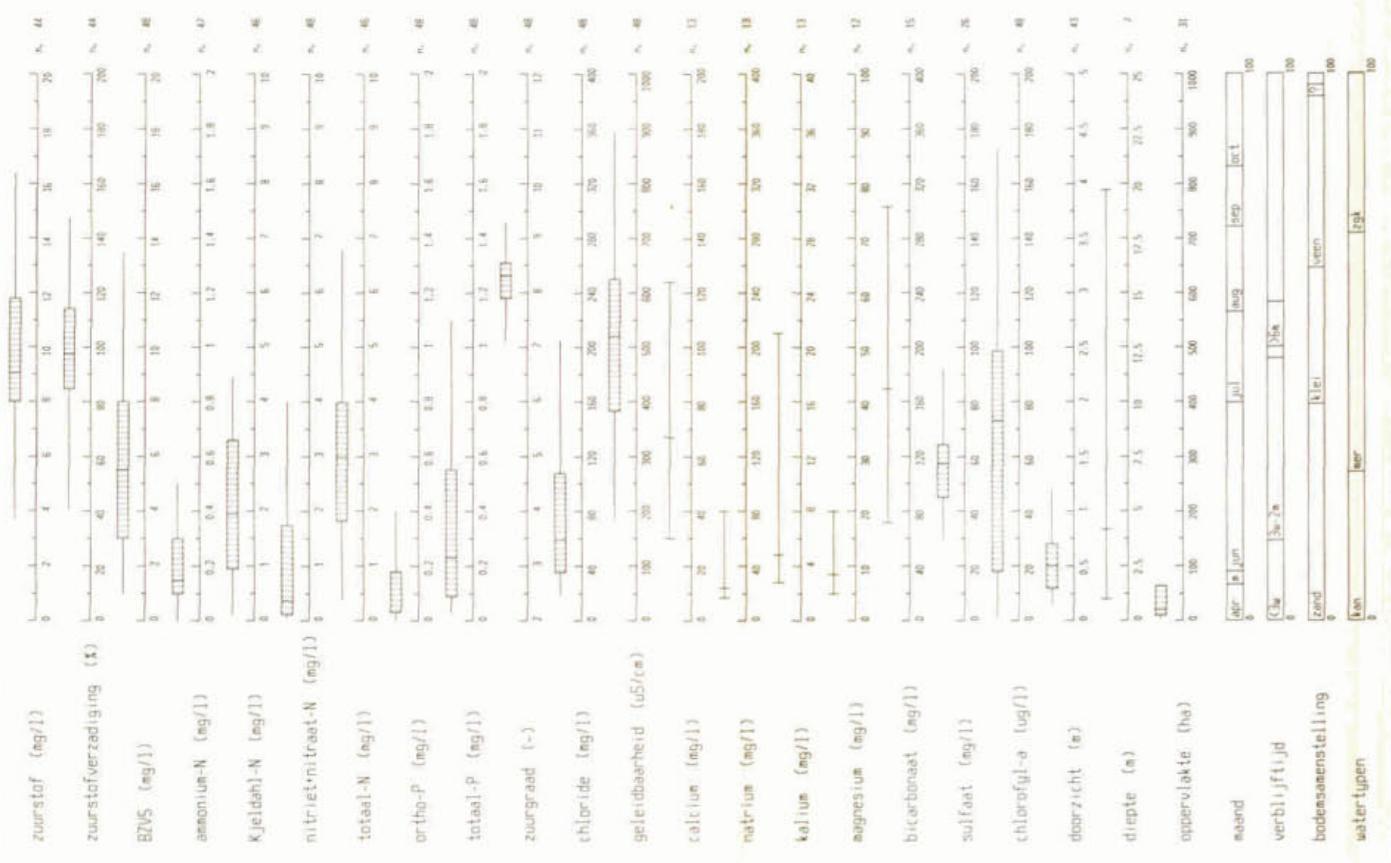
**Scenedesmus obtusus**

vangsten : 48  
 locaties : 34  
 hobken : 33

water-typen  
 □ abten  
 □ stromende wateren  
 □ landen

meren  
 □ zand-, grind- en kleigaten

**Scenedesmus obtusus**



Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus opoliensis



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

**stowa**

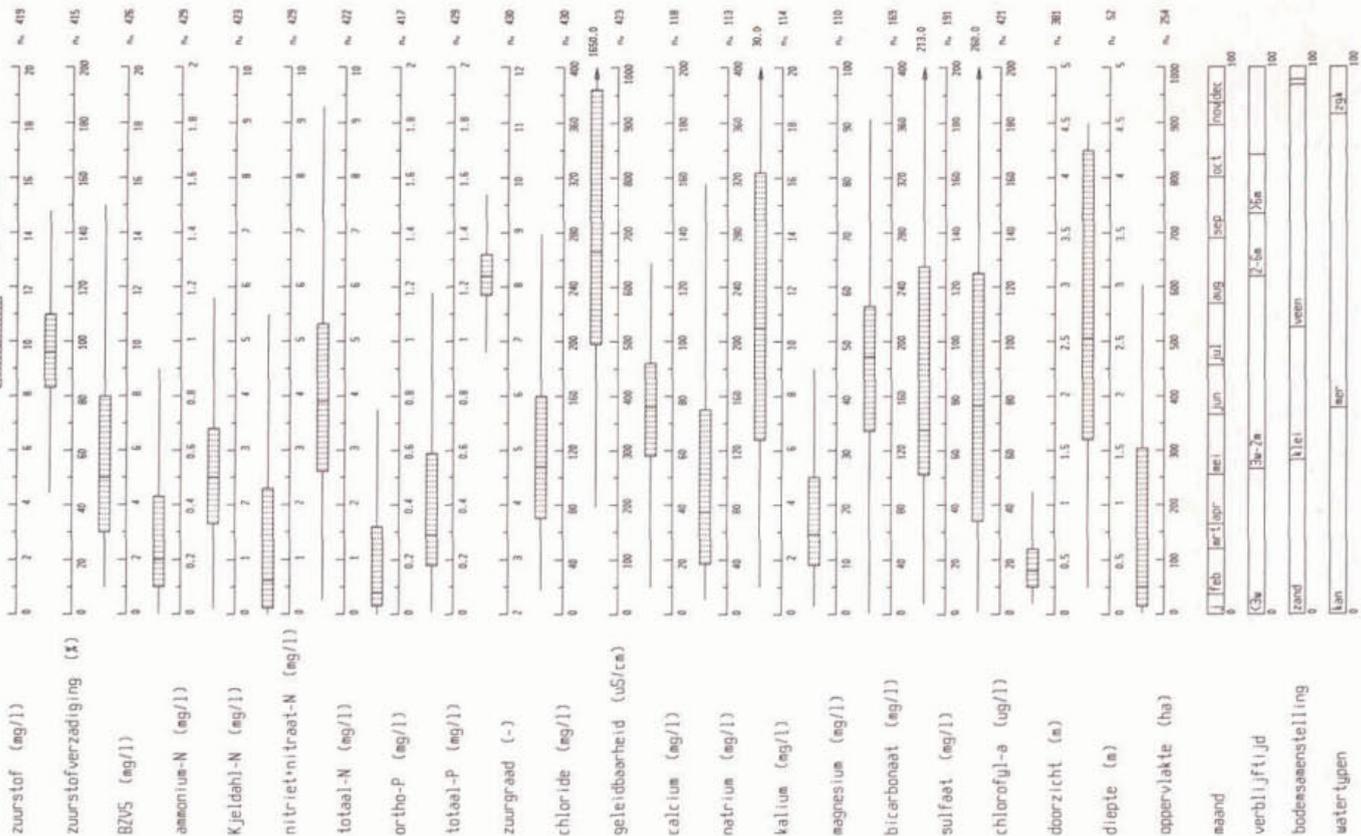
Eco-atlas van waterorganismen

Scenedesmus opoliensis

- vangsten : 432
- locaties : 141
- hokken : 133

- scien
- stromende wateren
- kanden
- meren
- zand-, grind- en kleigaten

Scenedesmus opoliensis

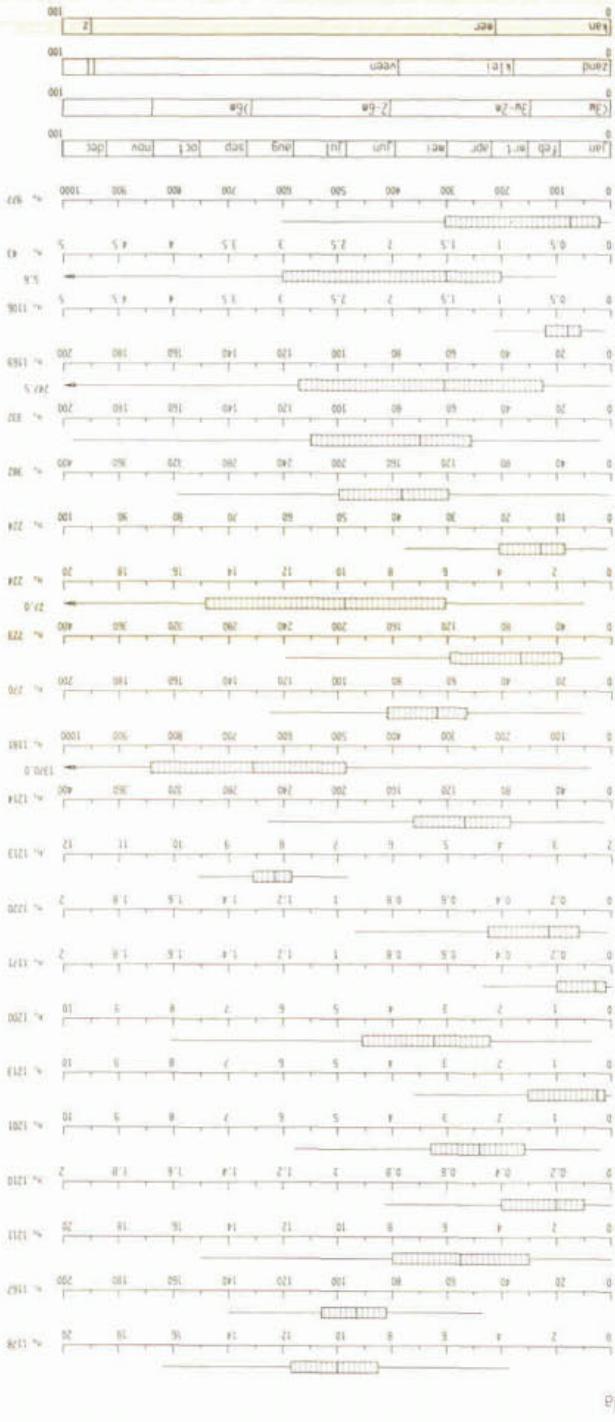


maand:  feb  mrt  apr  mei  jun  jul  aug  sep  okt  nov  dec

verblijftijd:  Gew  3e-7m  2-6a  3m

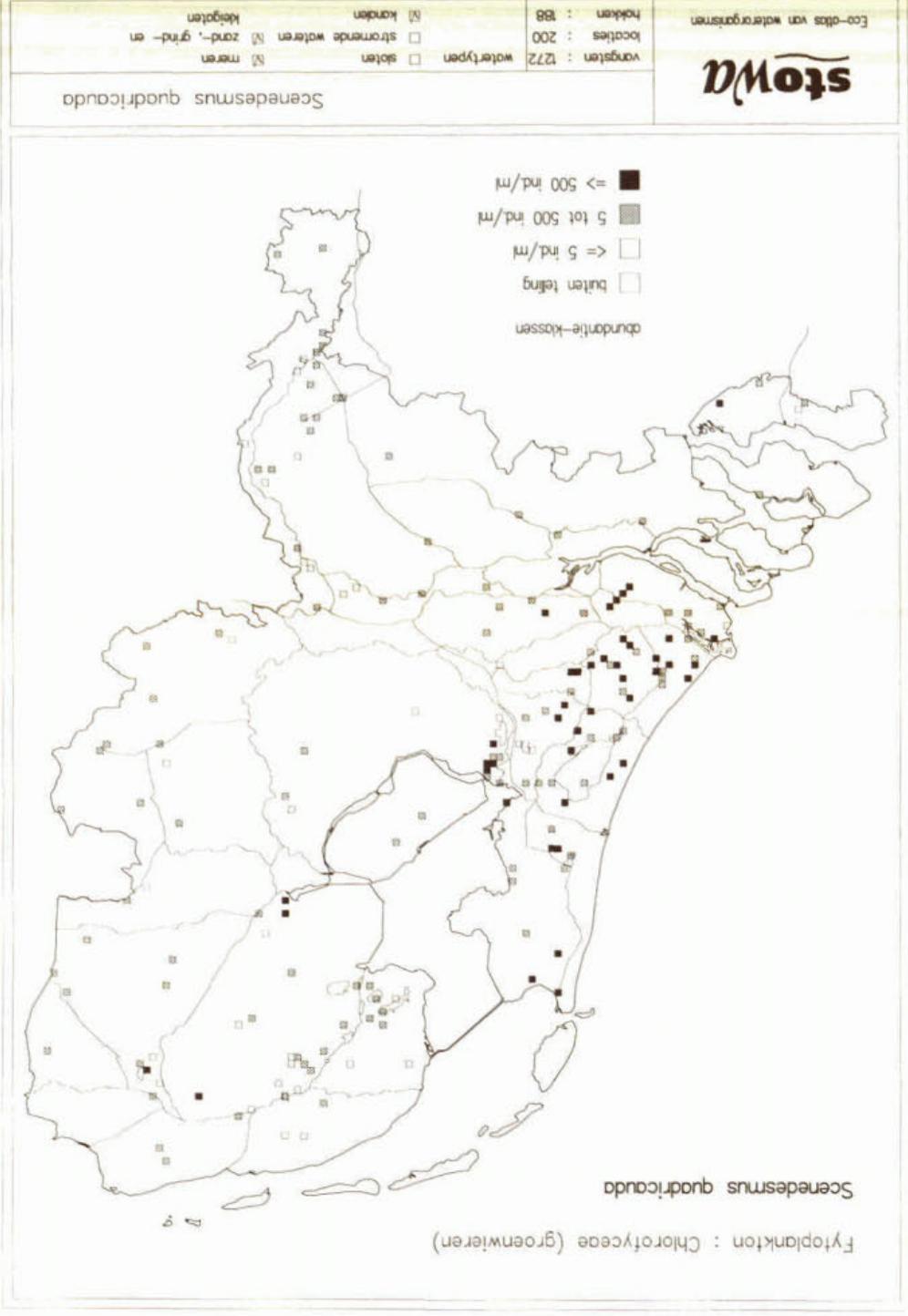
bodeseaenstelling:  zand  klei  veen

watertypen:  kvan  mer  zyk



Scenedesmus quadricauda

zuurstof (mg/l) 0 2 4 6 8 10 12 14 16 18 20  
 zuurstofverzadiging (%) 0 20 40 60 80 100 120 140 160 180 200  
 BZV5 (mg/l) 0 2 4 6 8 10 12 14 16 18 20  
 ammonium-N (mg/l) 0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2  
 Kjeldahl-N (mg/l) 0 1 2 3 4 5 6 7 8 9 10  
 nitriet/nitraat-N (mg/l) 0 1 2 3 4 5 6 7 8 9 10  
 totaal-N (mg/l) 0 1 2 3 4 5 6 7 8 9 10  
 ortho-P (mg/l) 0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2  
 totaal-P (mg/l) 0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2  
 zuregrad (-) 2 3 4 5 6 7 8 9 10 11 12  
 chloride (mg/l) 0 40 80 120 160 200 240 280 320 360 400  
 geleidbaarheid (µS/cm) 0 100 200 300 400 500 600 700 800 900 1000  
 calcium (mg/l) 0 20 40 60 80 100 120 140 160 180 200  
 natrium (mg/l) 0 40 80 120 160 200 240 280 320 360 400  
 kalium (mg/l) 0 2 4 6 8 10 12 14 16 18 20  
 magnesium (mg/l) 0 10 20 30 40 50 60 70 80 90 100  
 bicarbonaat (mg/l) 0 40 80 120 160 200 240 280 320 360 400  
 sulfaat (mg/l) 0 20 40 60 80 100 120 140 160 180 200  
 chlorofyl-a (µg/l) 0 20 40 60 80 100 120 140 160 180 200  
 doorzicht (m) 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5  
 diepte (m) 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5  
 oppervlakte (ha) 0 100 200 300 400 500 600 700 800 900 1000  
 maand  
 bodemsamenstelling  
 waterlijpen

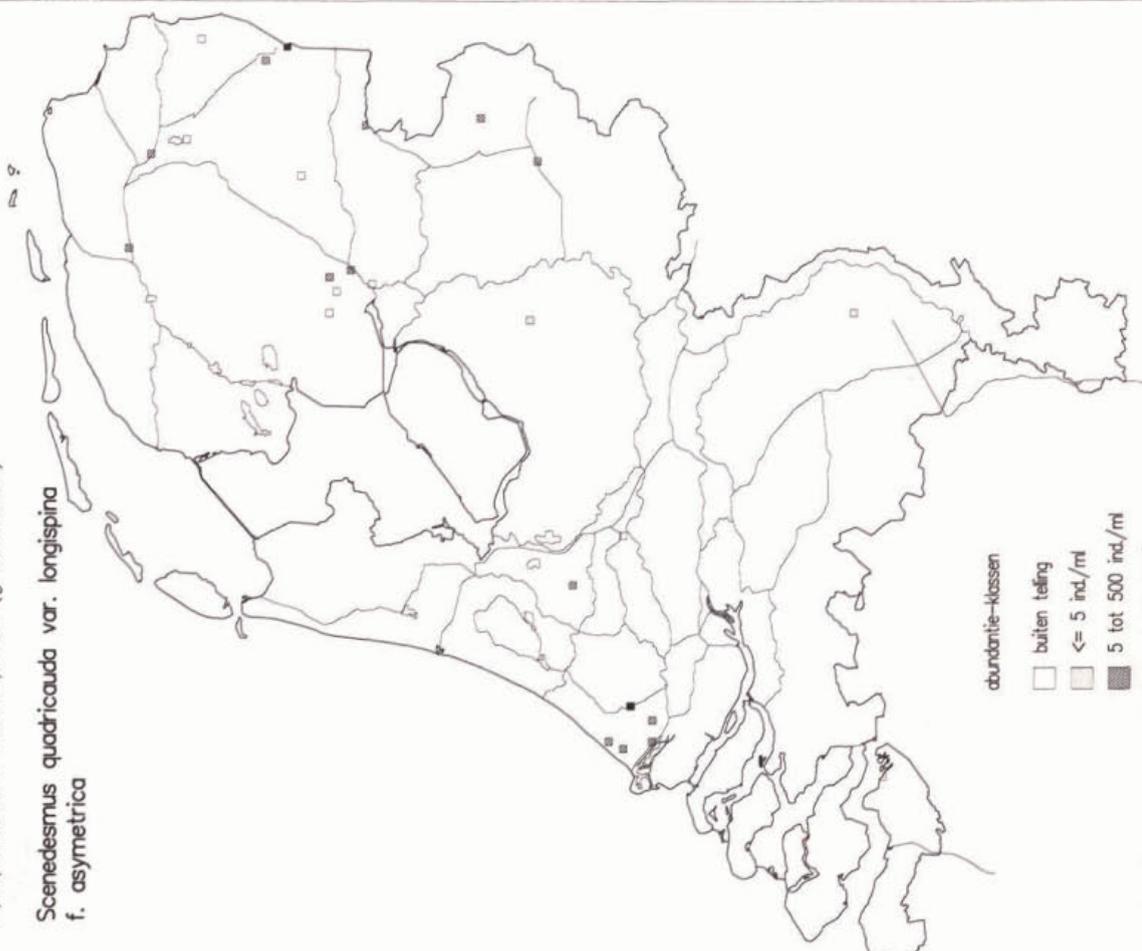


Fytoplankton : Chlorofyceae (groenwieren)  
 Scenedesmus quadricauda

Eco-atlas van waterorganismen  
**STOWA**  
 vogelsten : 1272  
 waterlijpen  sloten  meren  
 locaties : 200  
 hokken : 188  
 stromende wateren  zand-, grind- en kleigaten  
 meren

Fytoplankton : Chlorofyceae (groenwieren)

*Scenedesmus quadricauda* var. *longispina*  
f. *asymetrica*



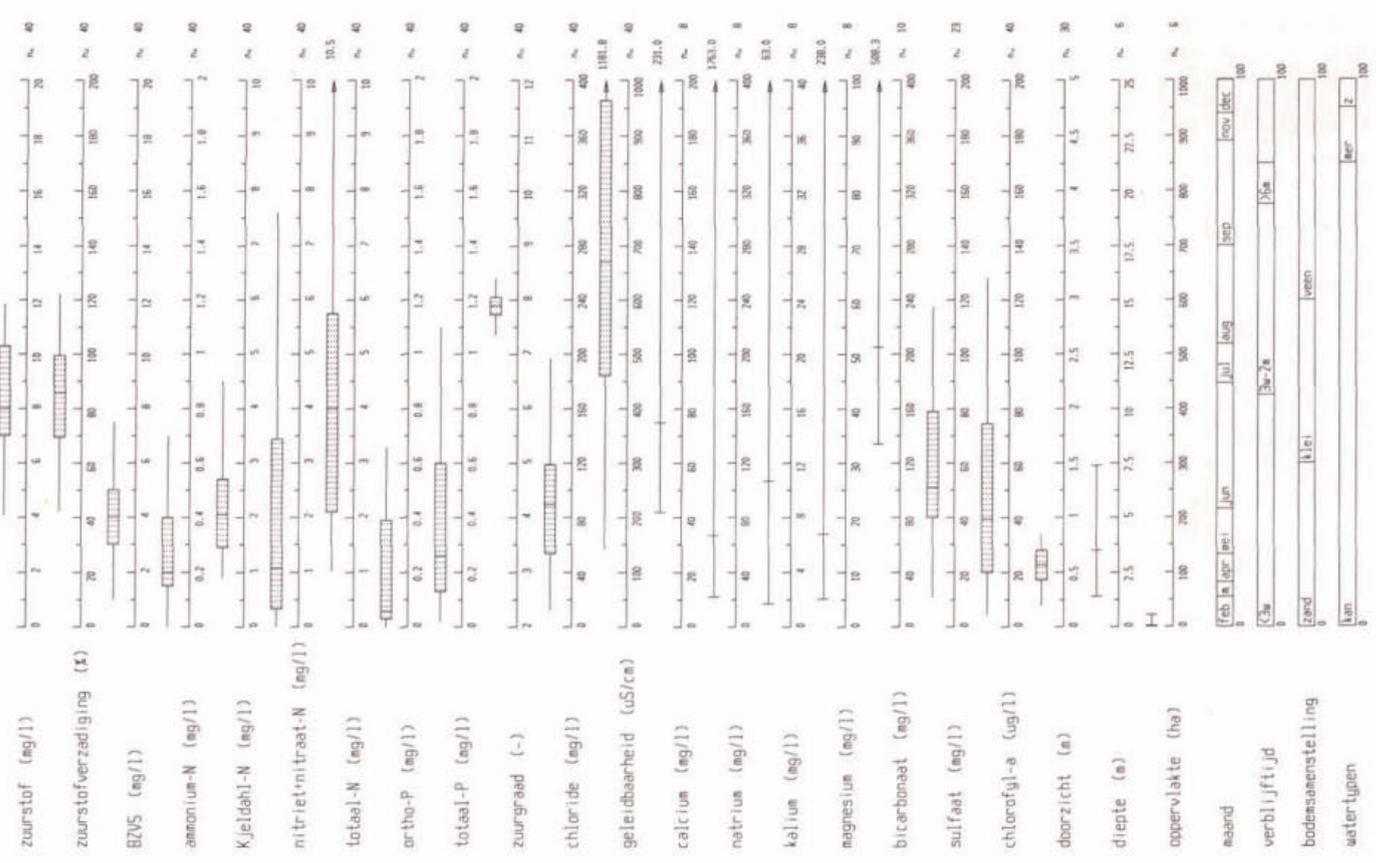
abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 >= 500 ind./ml

**stowa**  
Eco-atlas van waterorganismen

*Scenedesmus quadricauda* var. *longispina* f. *asymetrica*  
 vangsten : 40  
 locaties : 25  
 bakken : 25

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanden

*Scenedesmus quadricauda* var. *longispina* f. *asymetrica*



zuurstof (mg/l)  
 zuurstofverzadiging (%)  
 BZVS (mg/l)  
 ammonium-N (mg/l)  
 Kjeldahl-N (mg/l)  
 nitriet/nitraat-N (mg/l)  
 totaal-N (mg/l)  
 ortho-P (mg/l)  
 totaal-P (mg/l)  
 zuurgraad (-)  
 chloride (mg/l)  
 geleidbaarheid (uS/cm)  
 calcium (mg/l)  
 natrium (mg/l)  
 kalium (mg/l)  
 magnesium (mg/l)  
 bicarbonaat (mg/l)  
 sulfaat (mg/l)  
 chlorofyl-a (ug/l)  
 doorzicht (m)  
 diepte (m)  
 oppervlakte (ha)

maand  
 verblijftijd  
 bodemsamenstelling  
 watertypen

Feb | Mar | Apr | Mei | Jun | Jul | Aug | Sep | Oct | Nov | Dec

Jan | Feb | Mar | Apr | Mei | Jun | Jul | Aug | Sep | Oct | Nov | Dec

Zand | Klei | Leem

kan | laag | hoog

Fytoplankton : Chlorofyceae (groenwieren)

*Scenedesmus quadricauda* var. *quadricauda*



abundantie-klassen

- buiten telling
- <= 5 ind./m<sup>3</sup>
- 5 tot 500 ind./m<sup>3</sup>
- >= 500 ind./m<sup>3</sup>

*Scenedesmus quadricauda* var. *quadricauda*

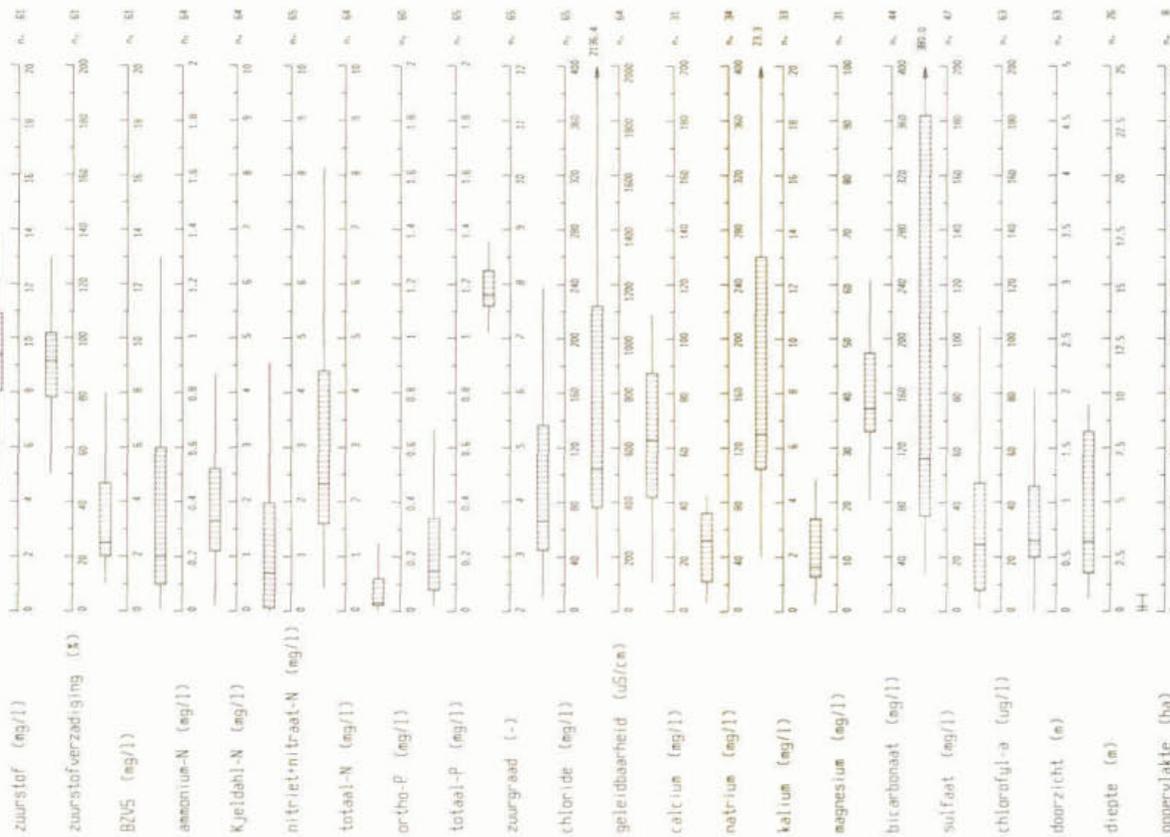
watertypen  
 slotten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

vangsten : 65  
 locaties : 46  
 hokken : 44

**stowa**

Eco-atlas van waterorganismen

*Scenedesmus quadricauda* var. *quadricauda*



maand

J | feb | e | apr | e | jun | jul | aug | sep | okt | nov | dec

verbl.jftijd

3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12

bodemaaanstelling

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12

watertypen

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12

Fytoplankton : Chlorofyceae (groenwieren)  
**Scenedesmus semipulcher**



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ⇒ 500 ind./ml

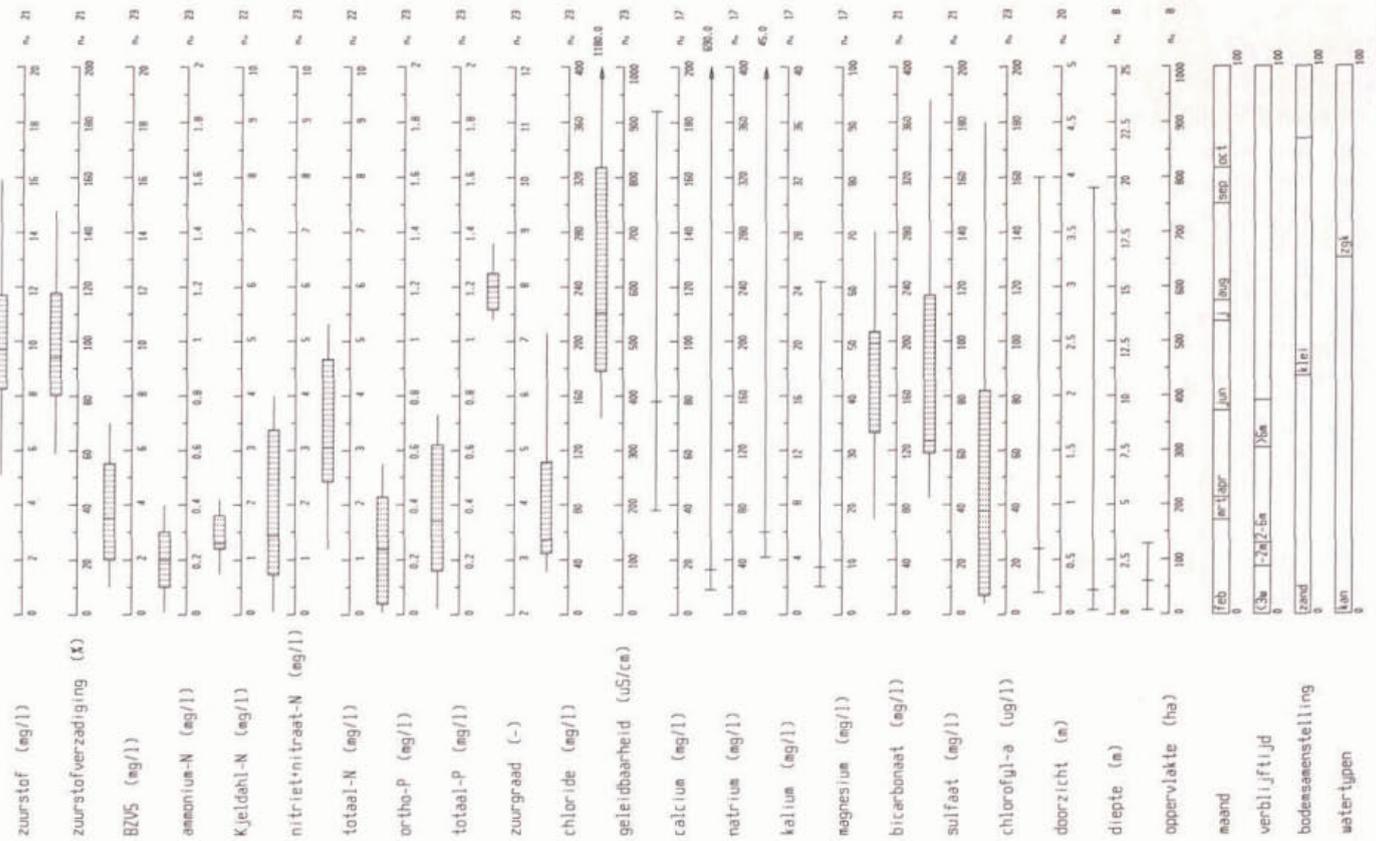
**stowa**  
 Eco-atlas van waterorganismen

vangsten : 23  
 locaties : 15  
 hokken : 15

**Scenedesmus semipulcher**

watertypen  
 sloten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen

**Scenedesmus semipulcher**

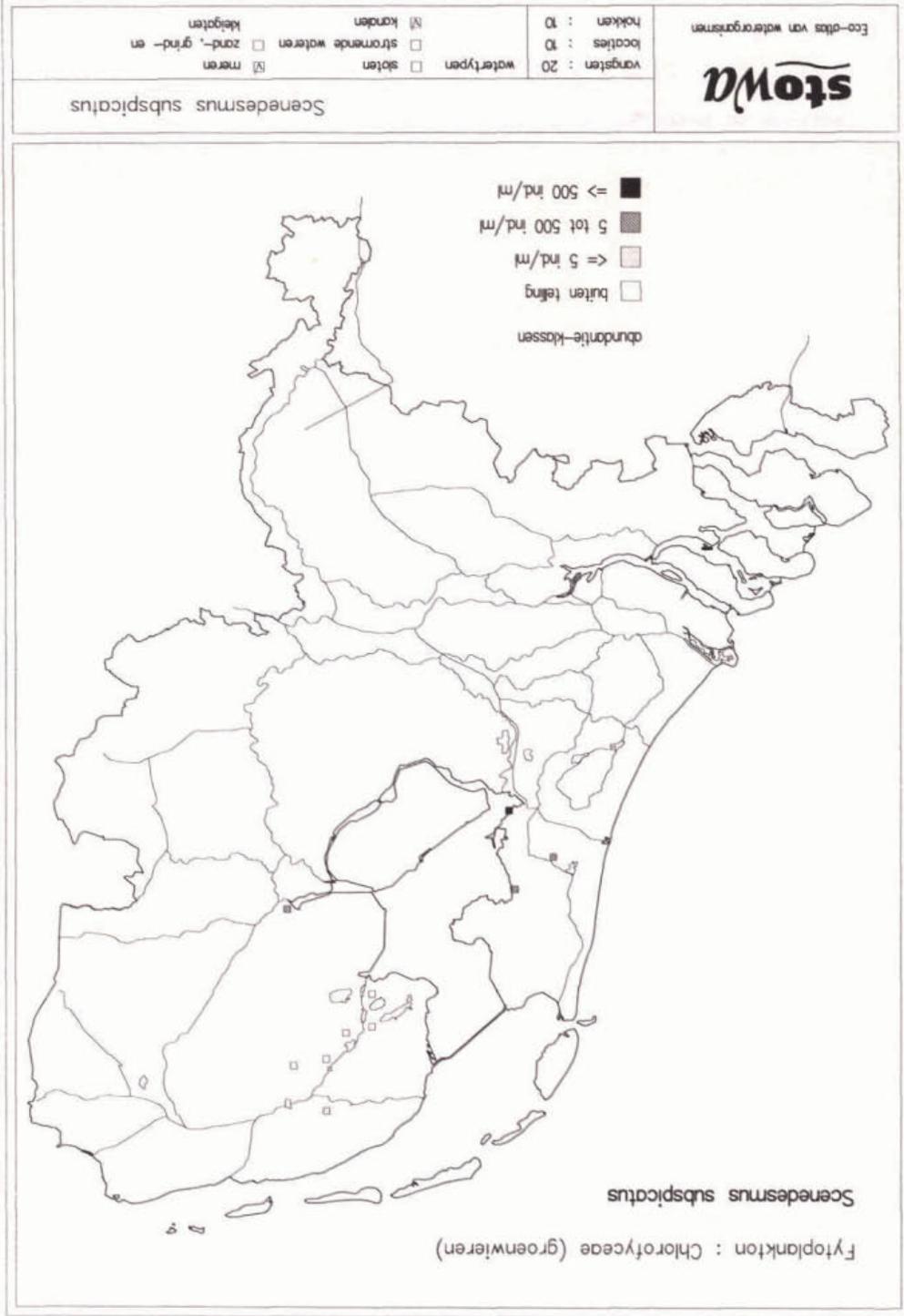


maand:  feb  mar  apr  mei  jun  jul  aug  sep  oct

locatie:  3a  zand  kun

water-typen:  sloten  meren  zand-, grind- en kleigaten  kanalen



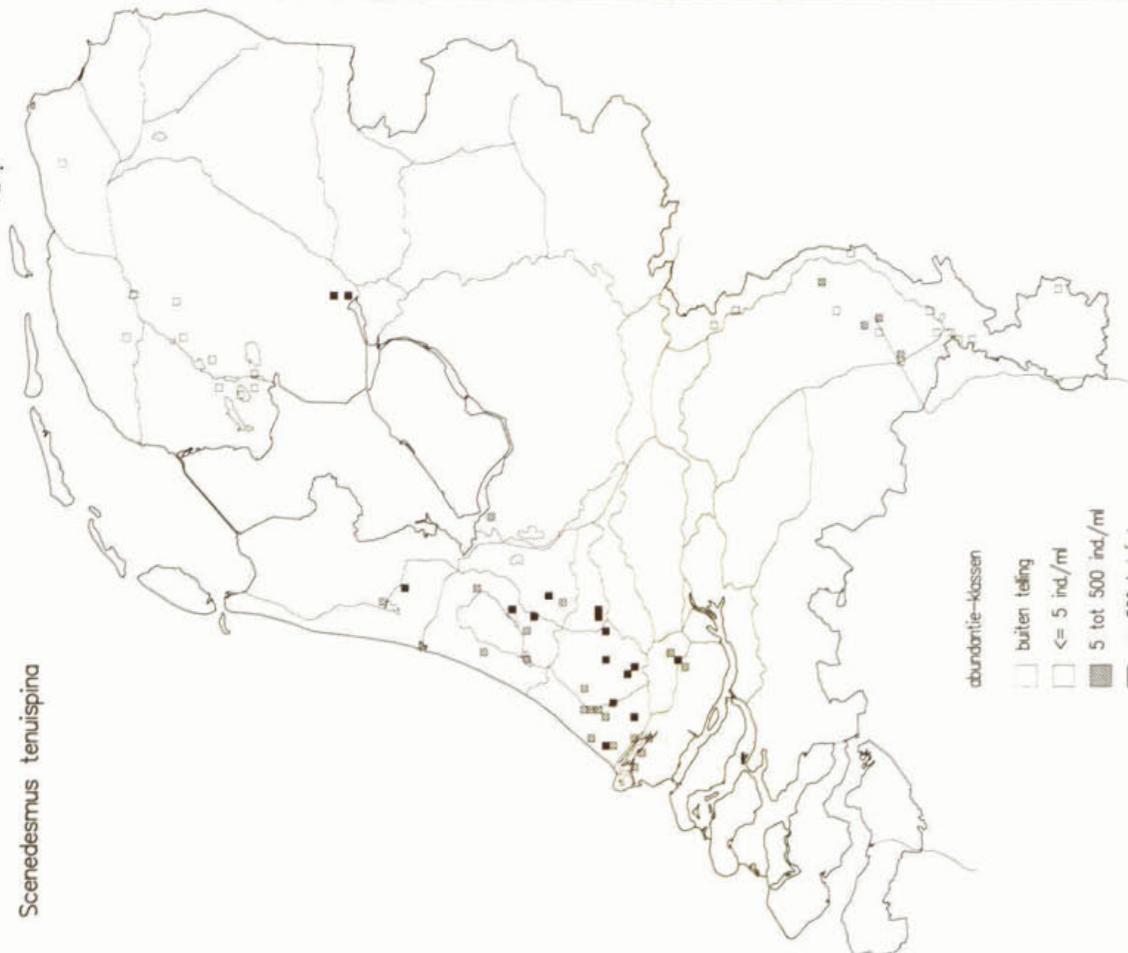


**Scenedesmus subspicatus**

maand	jan	feb	mar	apr	mei	jun	jul	aug	sep	oct	nov	dec
zurstof (mg/l)	2	4	6	8	10	12	14	16	18	20	18	20
zurstofverzadiging (%)	20	40	60	80	100	120	140	160	180	200	180	200
BZV5 (mg/l)	2	4	6	8	10	12	14	16	18	20	18	20
ammonium-N (mg/l)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	1.8	2.0
Kjeldahl-N (mg/l)	1	2	3	4	5	6	7	8	9	10	9	10
nitriet+nitraat-N (mg/l)	1	2	3	4	5	6	7	8	9	10	9	10
totaal-N (mg/l)	1	2	3	4	5	6	7	8	9	10	9	10
ortho-P (mg/l)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	1.8	2.0
totaal-P (mg/l)	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0	1.8	2.0
zuurgraad (-)	2	3	4	5	6	7	8	9	10	11	12	11
chloride (mg/l)	5	10	15	20	25	30	35	40	45	50	45	40
geleidbaarheid (µS/cm)	200	400	600	800	1000	1200	1400	1600	1800	2000	1800	2000
calcium (mg/l)	20	40	60	80	100	120	140	160	180	200	180	200
natrium (mg/l)	40	80	120	160	200	240	280	320	360	400	360	400
kalium (mg/l)	2	4	6	8	10	12	14	16	18	20	18	20
magnesium (mg/l)	10	20	30	40	50	60	70	80	90	100	90	100
bicarbonaat (mg/l)	40	80	120	160	200	240	280	320	360	400	360	400
sulfaat (mg/l)	20	40	60	80	100	120	140	160	180	200	180	200
chlorofyl-a (µg/l)	40	80	120	160	200	240	280	320	360	400	360	400
diepte (m)	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	4.5	5
oppervlakte (ha)	100	200	300	400	500	600	700	800	900	1000	900	1000
verblijftijd	0	100	200	300	400	500	600	700	800	900	1000	1100
bodemsamenstelling	0	100	200	300	400	500	600	700	800	900	1000	1100
wassertypen	0	100	200	300	400	500	600	700	800	900	1000	1100

Fytoplankton : Chlorofyceae (groenwieren)

Scenedesmus tenuispina



abundantie-klassen

□ buiten telling

□ ≤ 5 ind./ml

■ 5 tot 500 ind./ml

■ => 500 ind./ml

Scenedesmus tenuispina

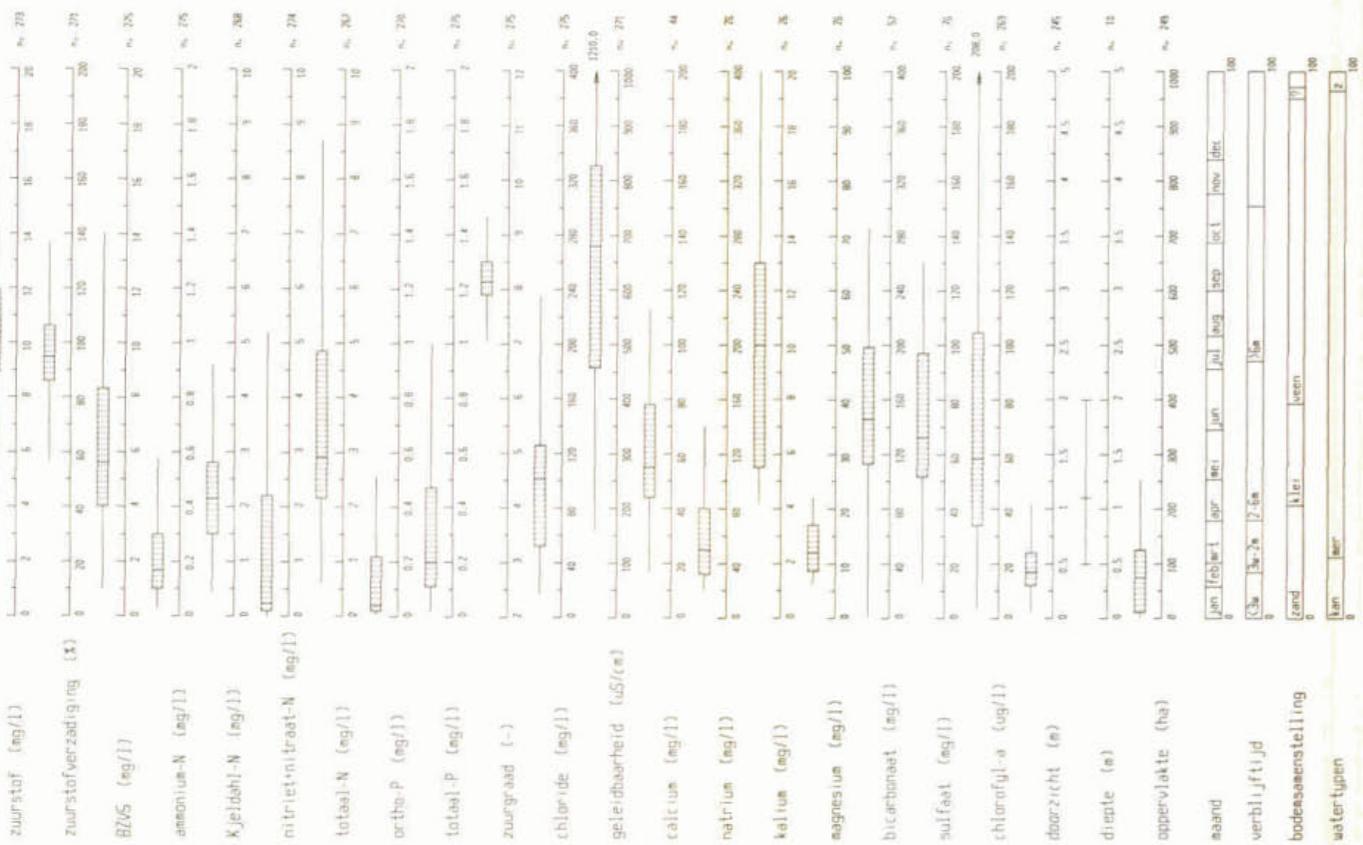
vangsten : 285  
 locaties : 68  
 hokken : 63

watertypen  
 sloten  
 stromende wateren  
 kanalen

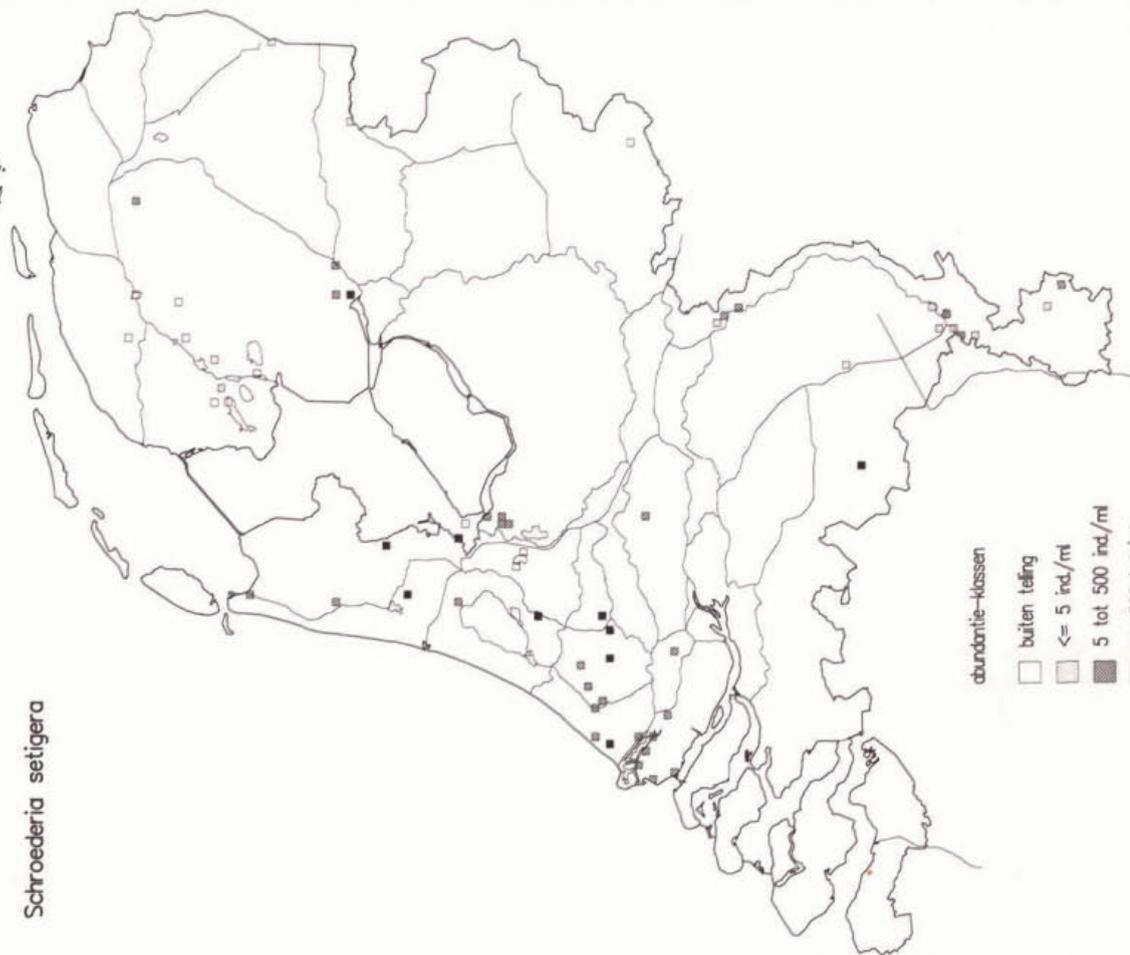
meren  
 zand-, grind- en kleigaten

**stowa**  
 Eco-atlas van waterorganismen

Scenedesmus tenuispina



Fytoplankton : Chlorofyceae (groenwieren)  
**Schroederia setigera**

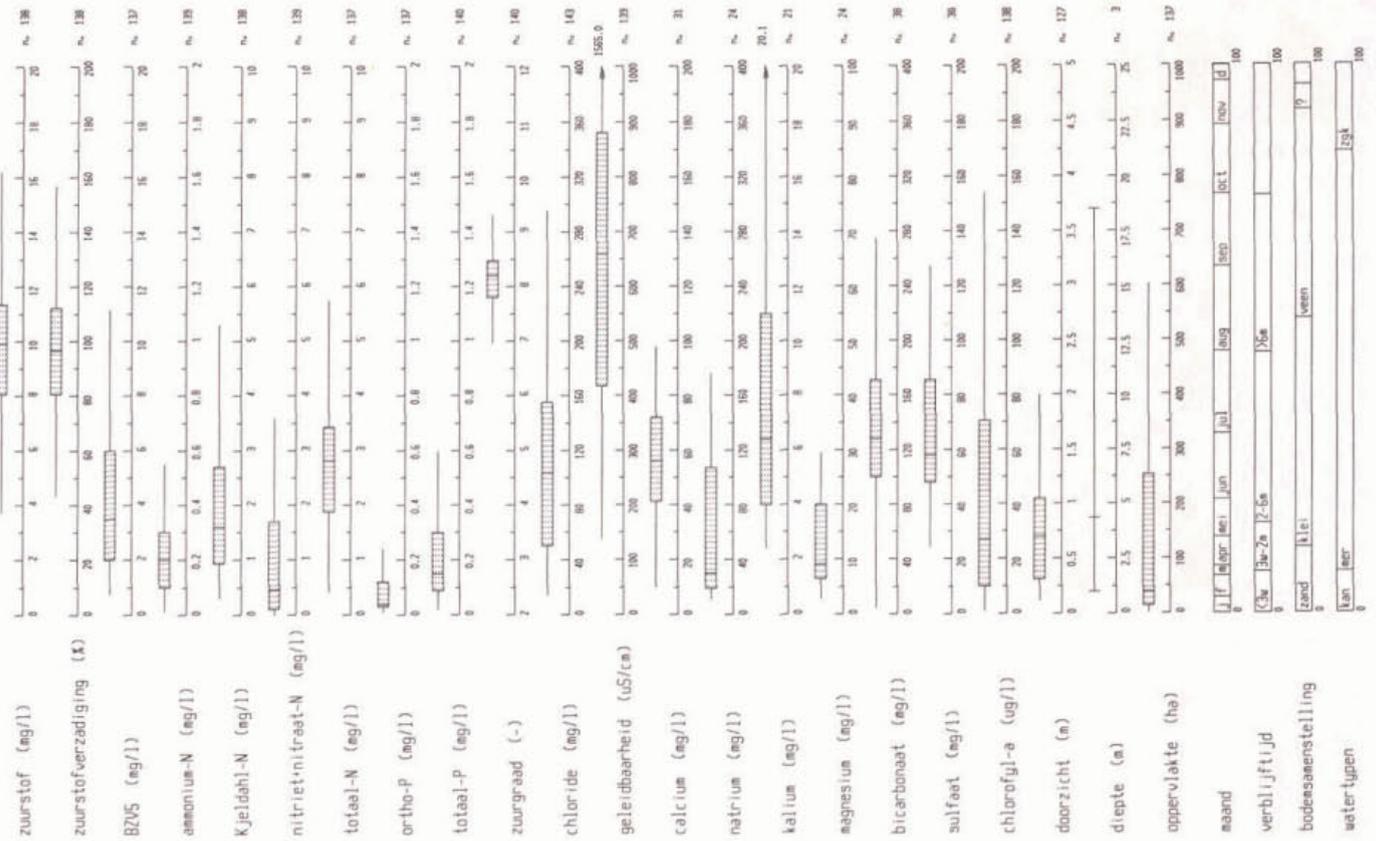


**stowa**  
 Eco-atlas van waterorganismen

**Schroederia setigera**  
 vangsten : 156  
 locaties : 64  
 hokken : 62

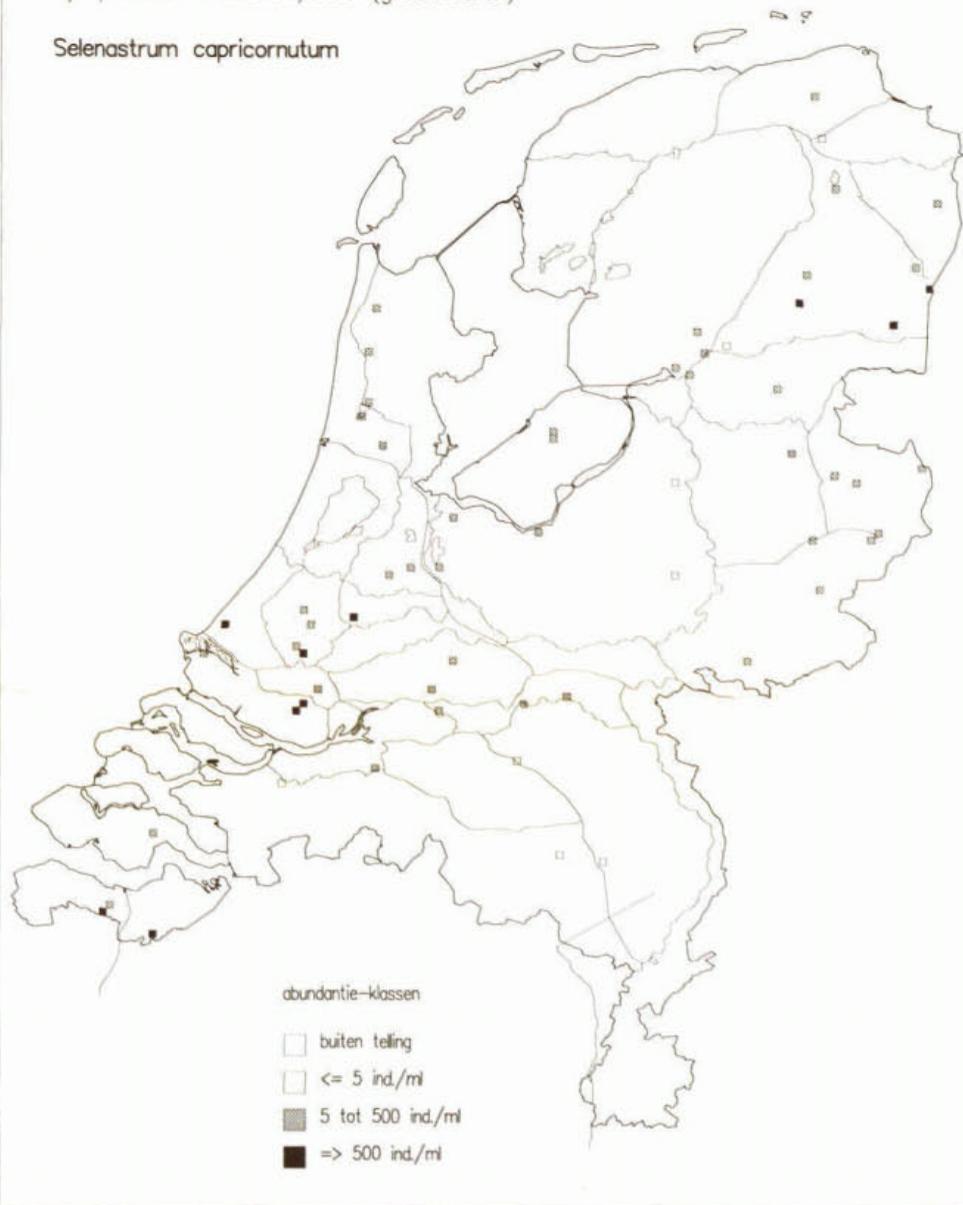
water-typen  
 sloten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen

**Schroederia setigera**



Fytoplankton : Chlorofyceae (groenwieren)

*Selenastrum capricornutum*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

**stowa**

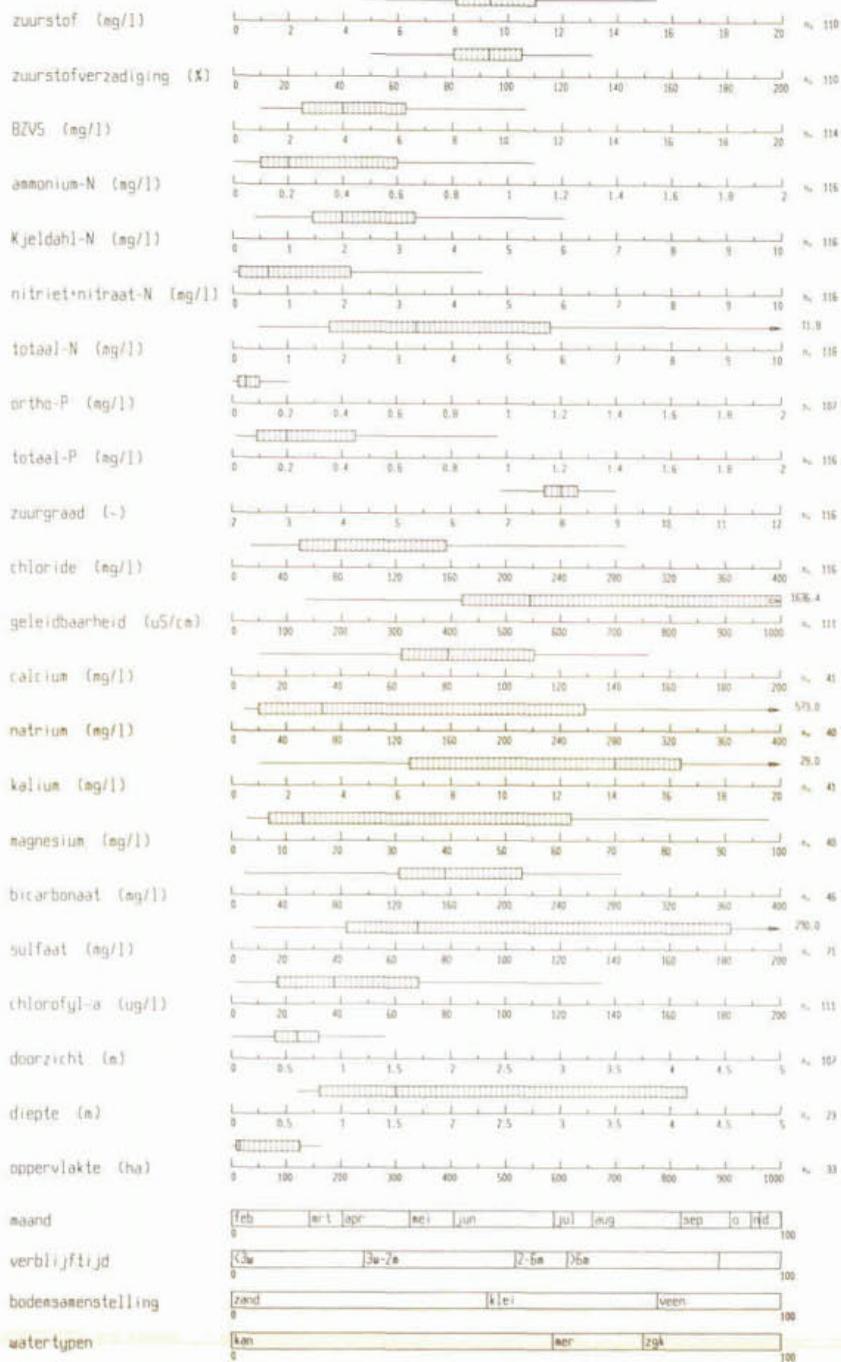
Eco-atlas van waterorganismen

*Selenastrum capricornutum*

vangsten : 16  
locaties : 65  
hokken : 62

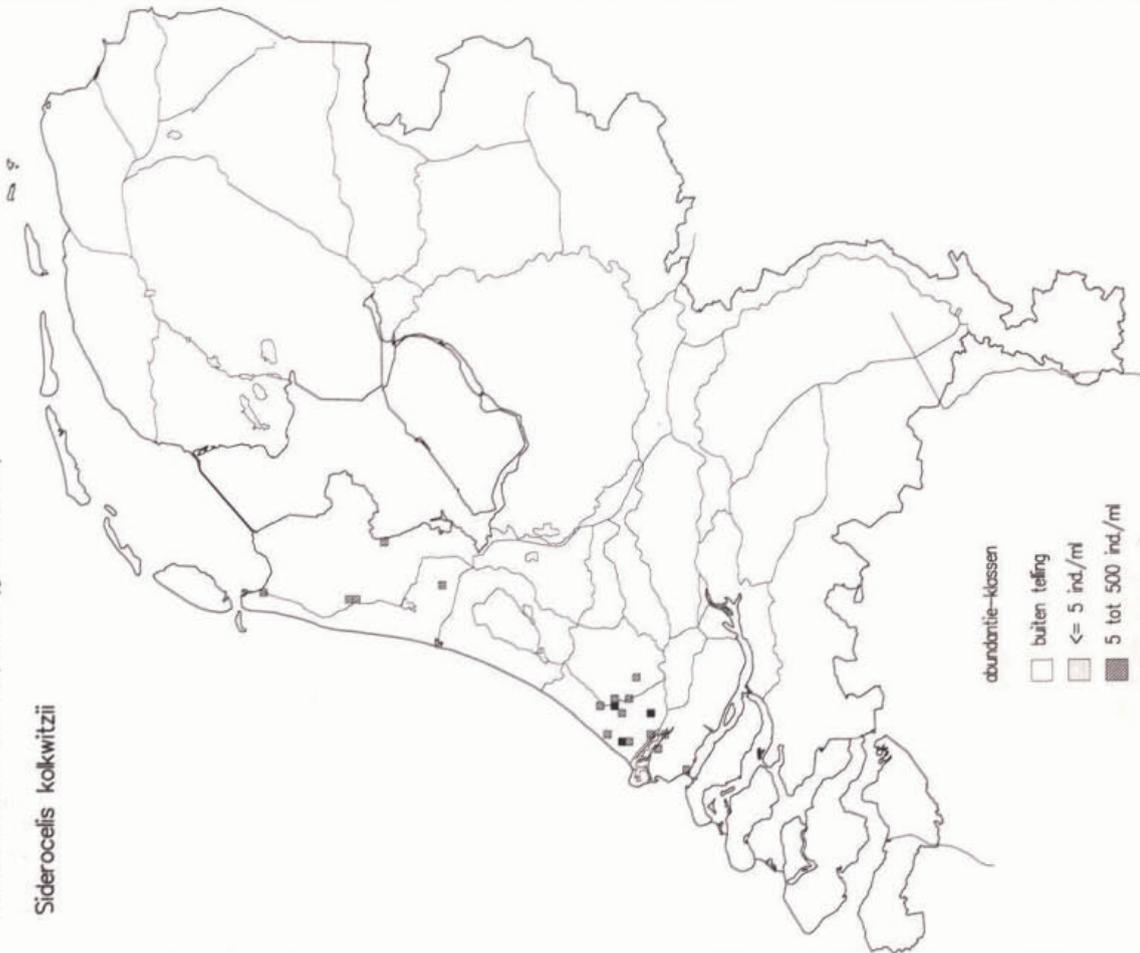
watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanden

*Selenastrum capricornutum*



Fytoplankton : Chlorofyceae (groenwieren)

Siderocelis kolkwitzii



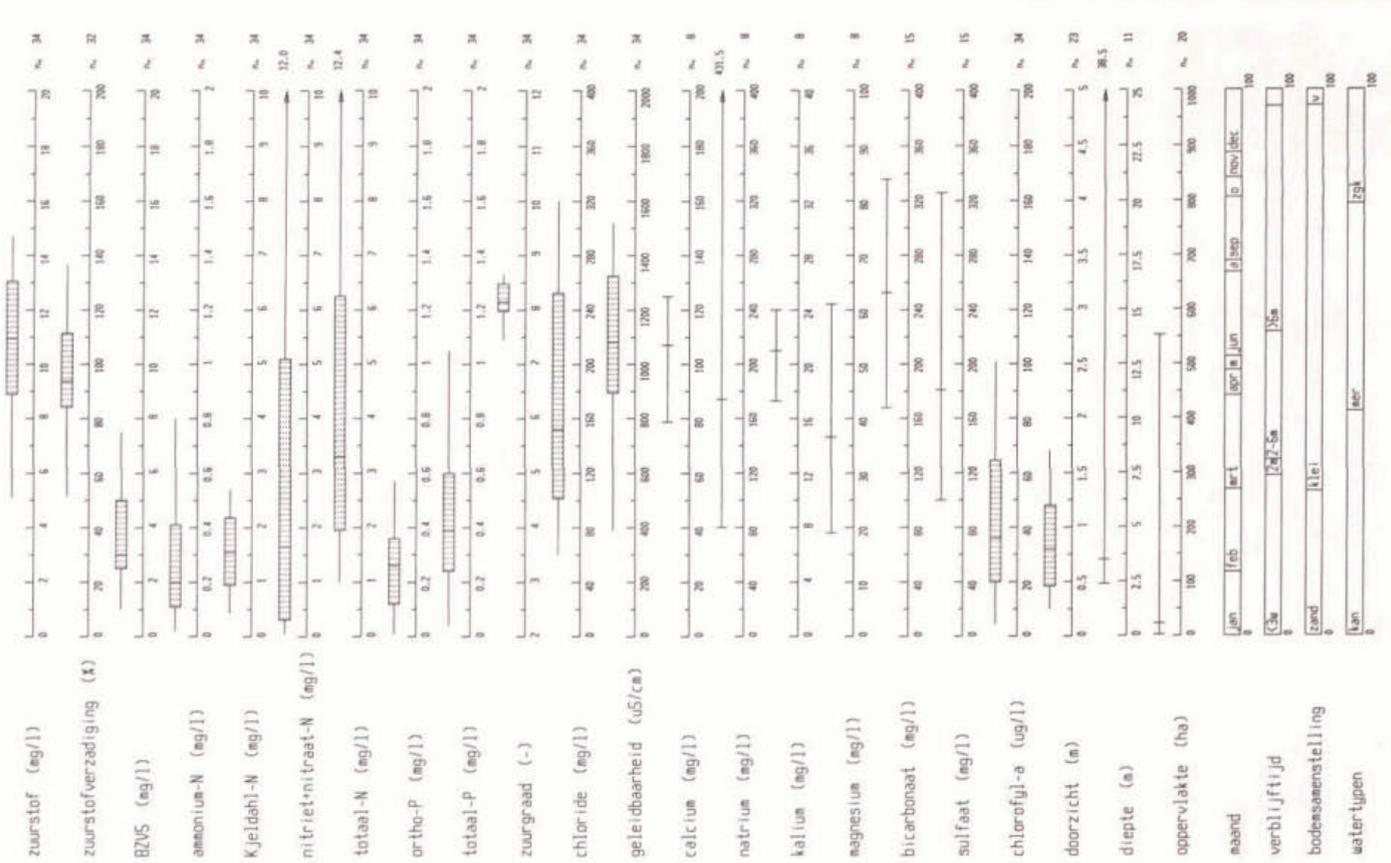
**stowa**  
Eco-atlas van waterorganismen

Siderocelis kolkwitzii

vangsten : 34  
locaties : 20  
hokken : 20

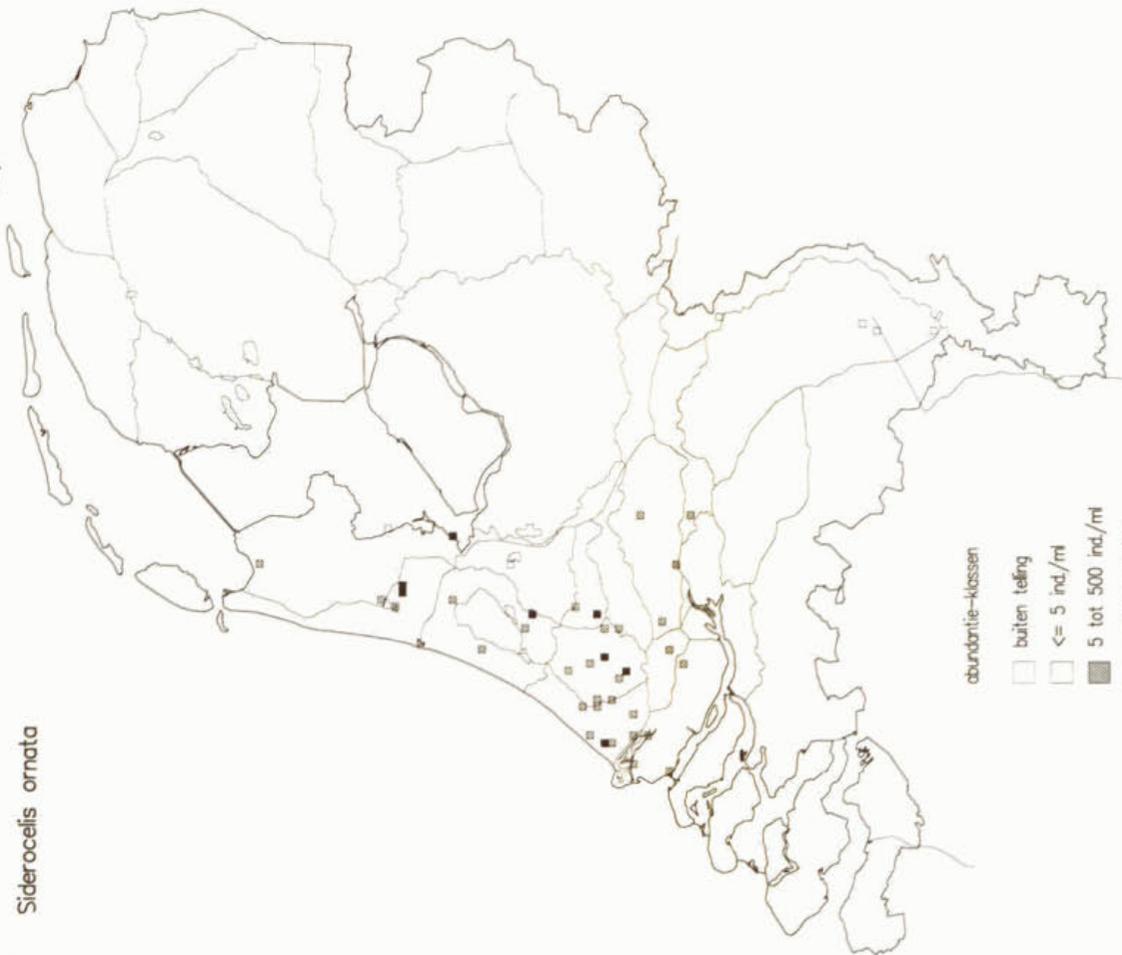
watertypen  
 sloten  
 stromende wateren  
 kanden  
 meren  
 zand-, grind- en kleigaten

Siderocelis kolkwitzii



Fytoplankton : Chlorofyceae (groenwieren)

Siderocelis ornata



abundantie-classes

- buiten telling
- ≤ 5 ind./m<sup>3</sup>
- 5 tot 500 ind./m<sup>3</sup>
- ≥ 500 ind./m<sup>3</sup>

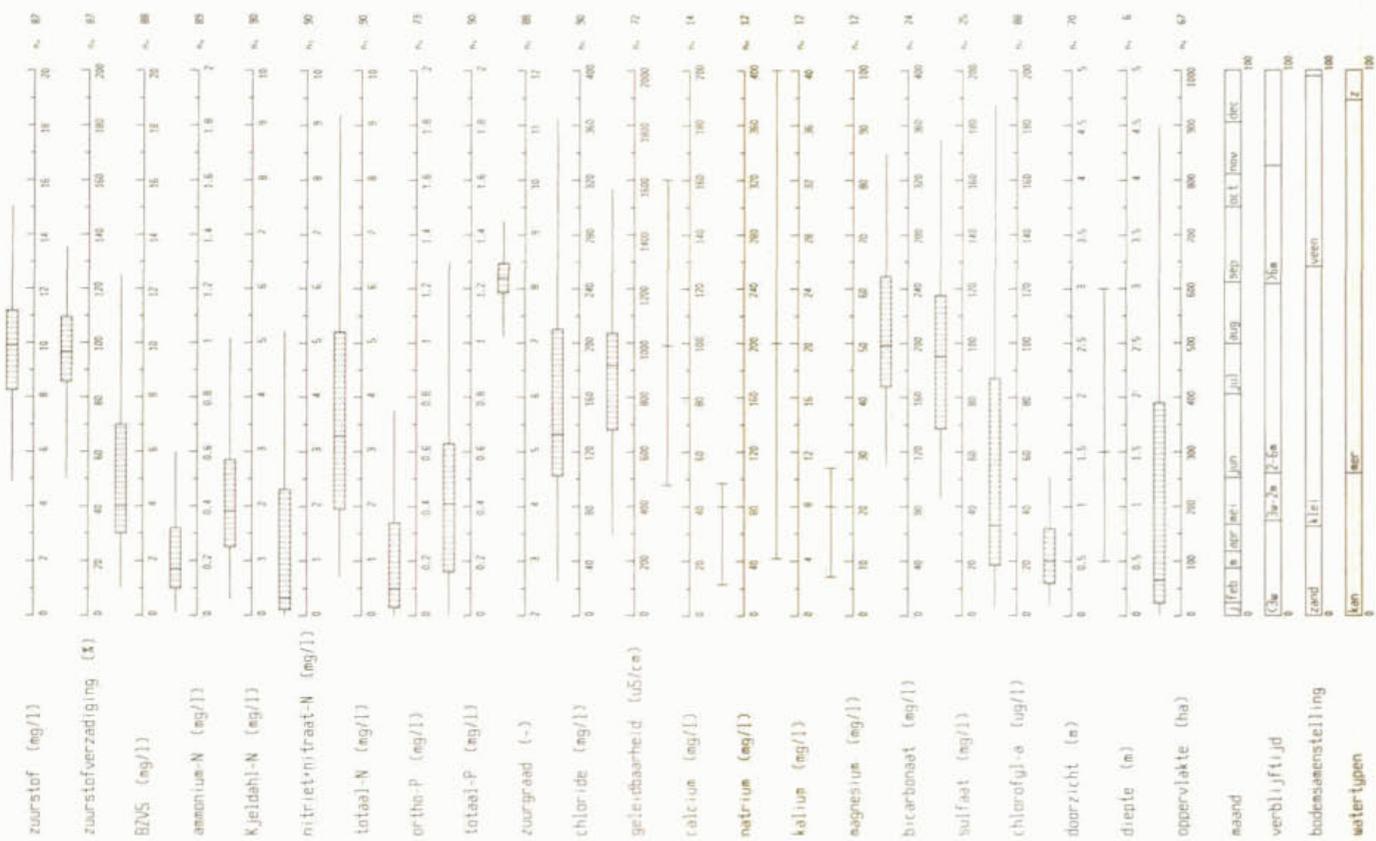
Siderocelis ornata

vangsten : 92  
 locaties : 47  
 hokken : 45

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen



Siderocelis ornata



maand:  jan  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

verbljftijd:  1-3a  3-6a  6a

bodsaemstelling:  zand  klei  veen

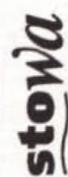
watertypen:  kan  mer  z  100

Fytoplankton : Chlorofyceae (groenwieren)

Sphaerocystis schroeteri



abundantie-classes  
 buiten telling  
 <= 5 ind./m  
 5 tot 500 ind./m  
 => 500 ind./m



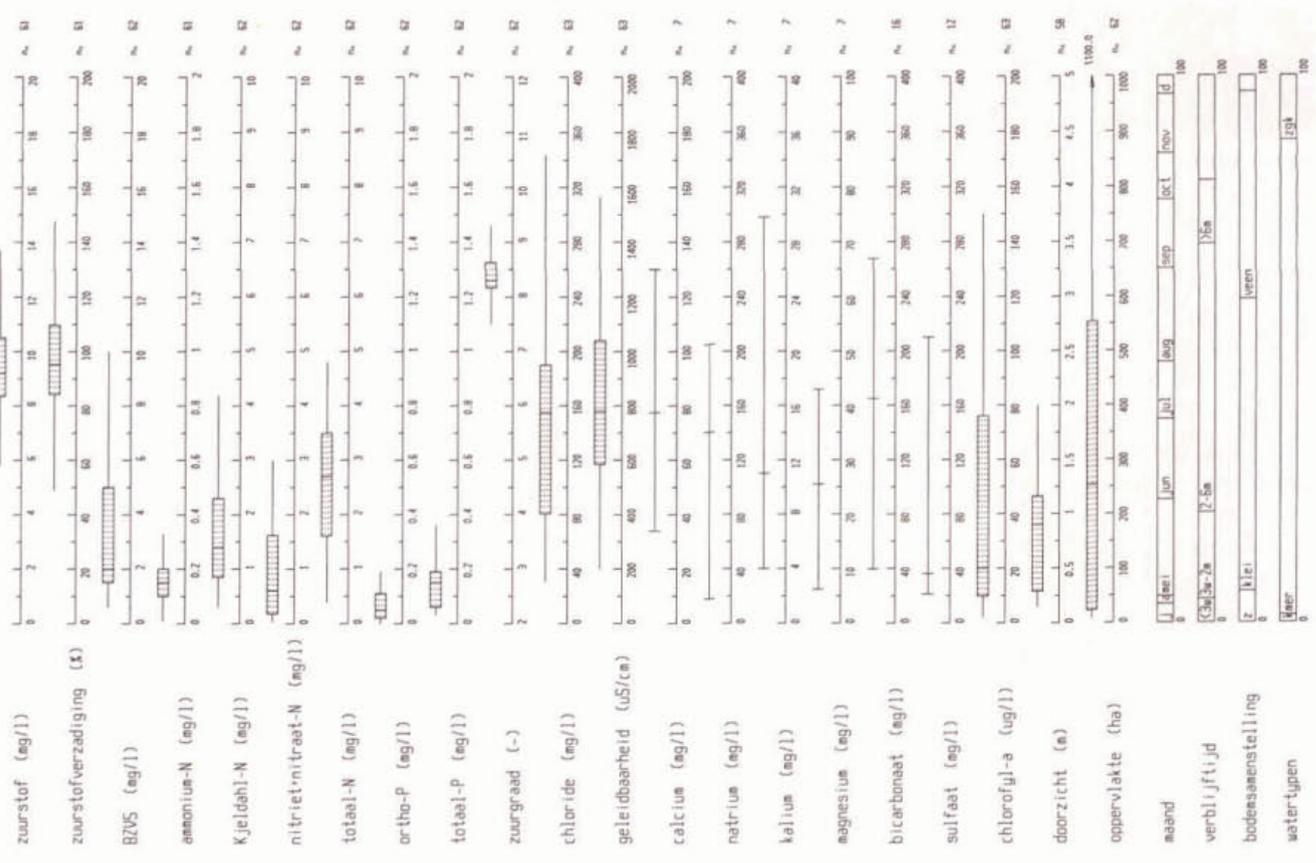
Eco-atlas van waterorganismen

Sphaerocystis schroeteri

vangsten : 69  
 locaties : 24  
 hokken : 24

watertypen  
 sloten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanden

Sphaerocystis schroeteri



Fytoplankton : Chlorofyceae (groenwieren)

Tetraedron anthrodesmiforme



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ => 500 ind./ml

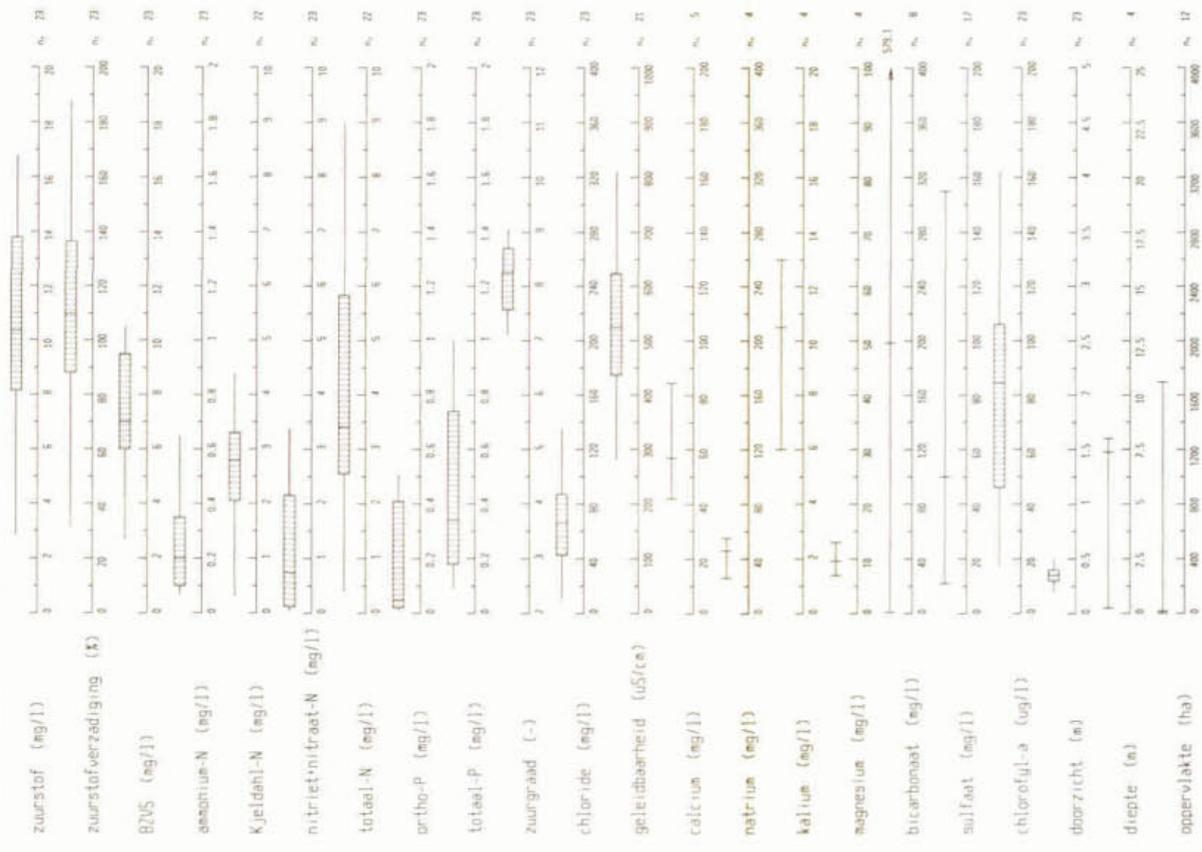
Tetraedron anthrodesmiforme

vangsten : 23  
 locaties : 17  
 hobben : 17

watertypen □ slotten  
 □ stromende wateren  
 □ zand-, grond- en kleigaten

**stowa**  
 Eco-atlas van waterorganismen

Tetraedron anthrodesmiforme



maand  
 mei | juni | juli | aug. | sep. | oct. | 100

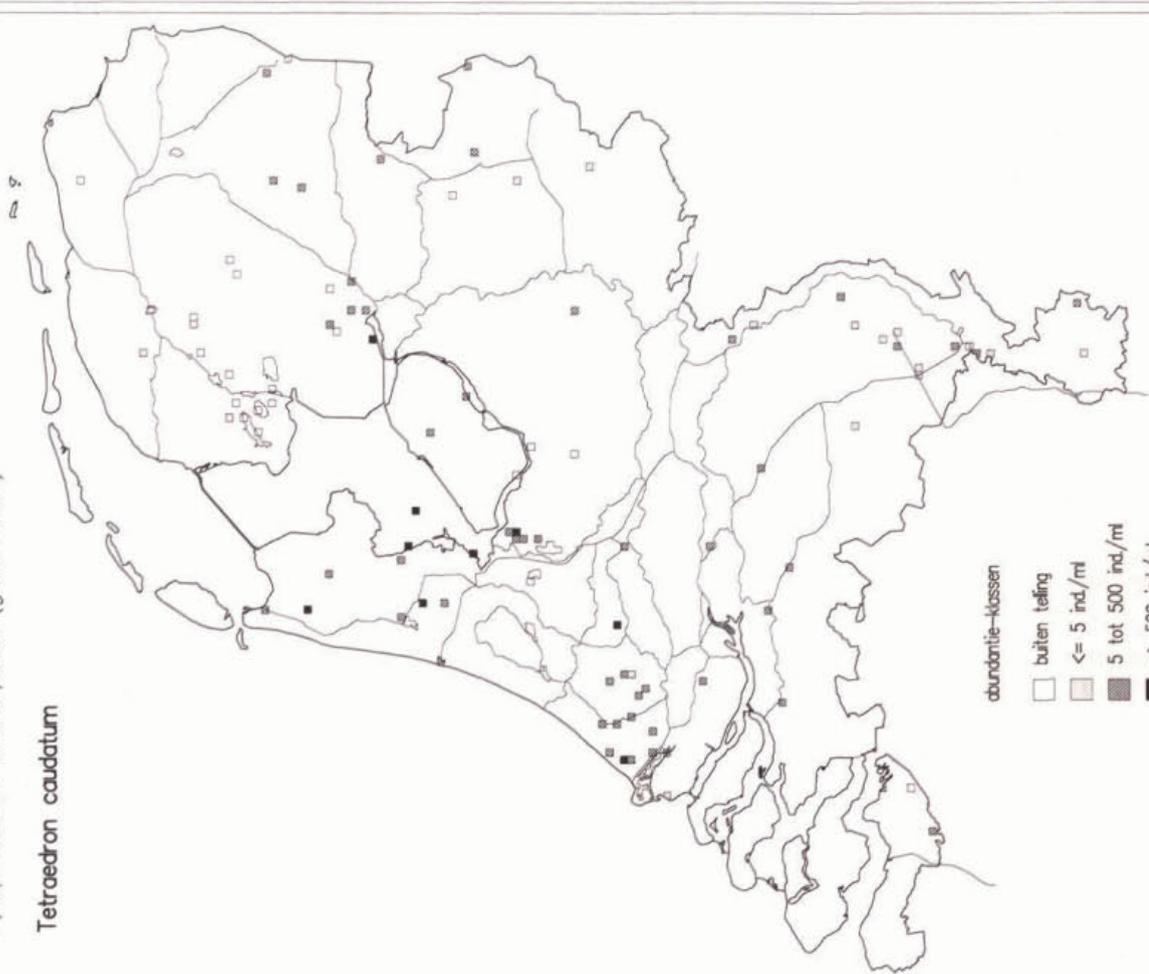
verbljftijd  
 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100

bodemsaaistelling  
 zand | klei | veen | 0 | 100

watertypen  
 sl | gr | 0 | 100

Fytoplankton : Chlorofyceae (groenwieren)

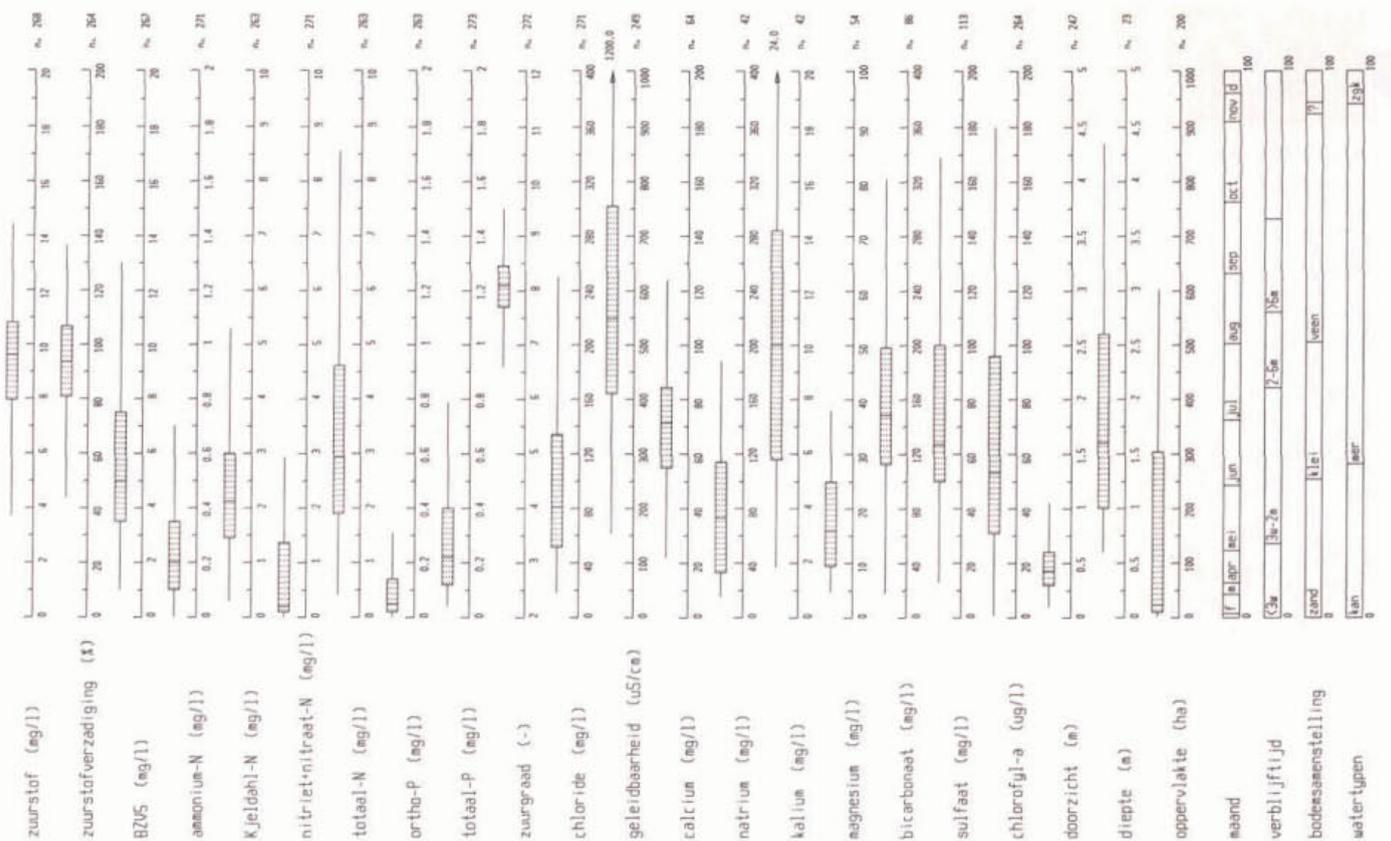
**Tetraedron caudatum**



**Tetraedron caudatum**

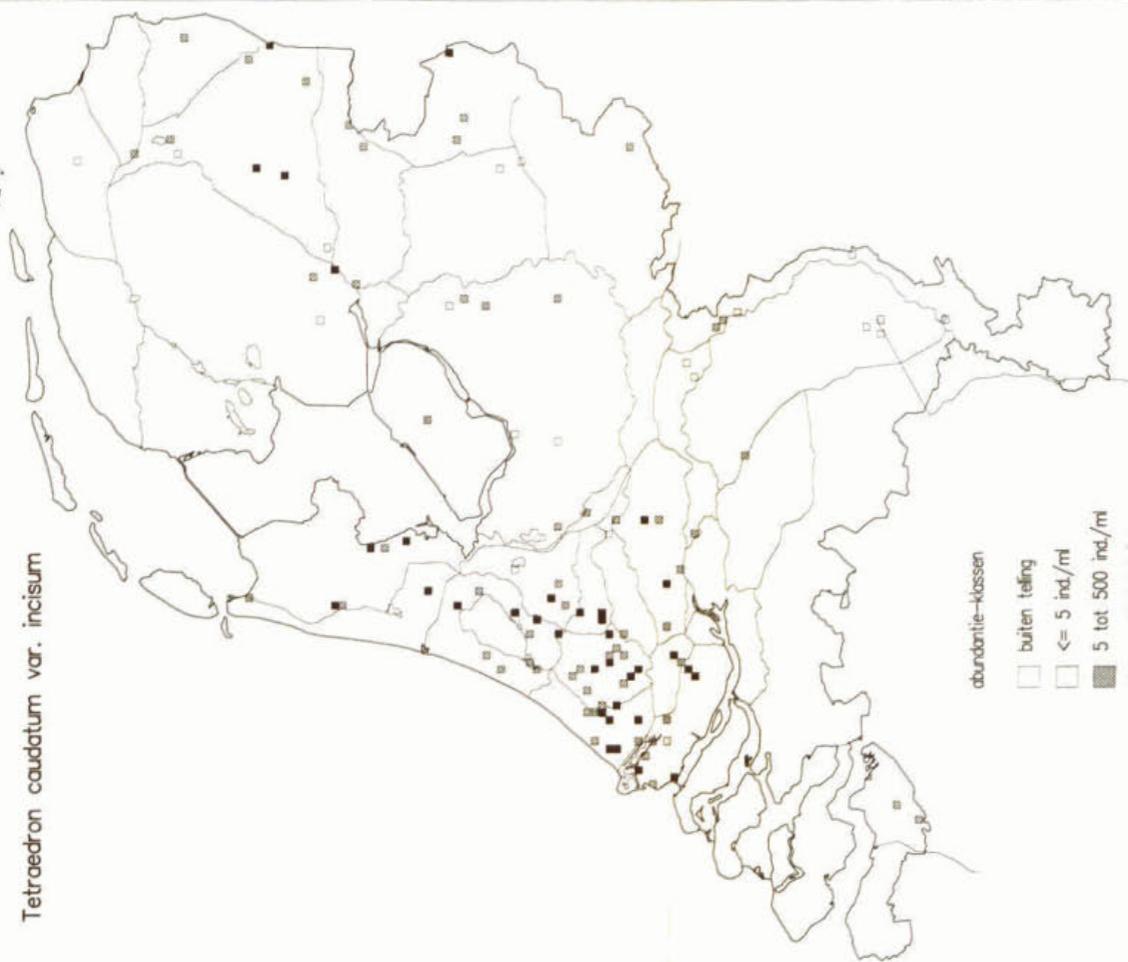
**stowa**  
Eco-atlas van waterorganismen

Tetraedron caudatum



Fytoplankton : Chlorofyceae (groenwieren)

*Tetraedron caudatum* var. *incisum*



abundantie-klassen

□ buiten telling

□ ≤ 5 ind./ml

▣ 5 tot 500 ind./ml

■ => 500 ind./ml

*Tetraedron caudatum* var. *incisum*

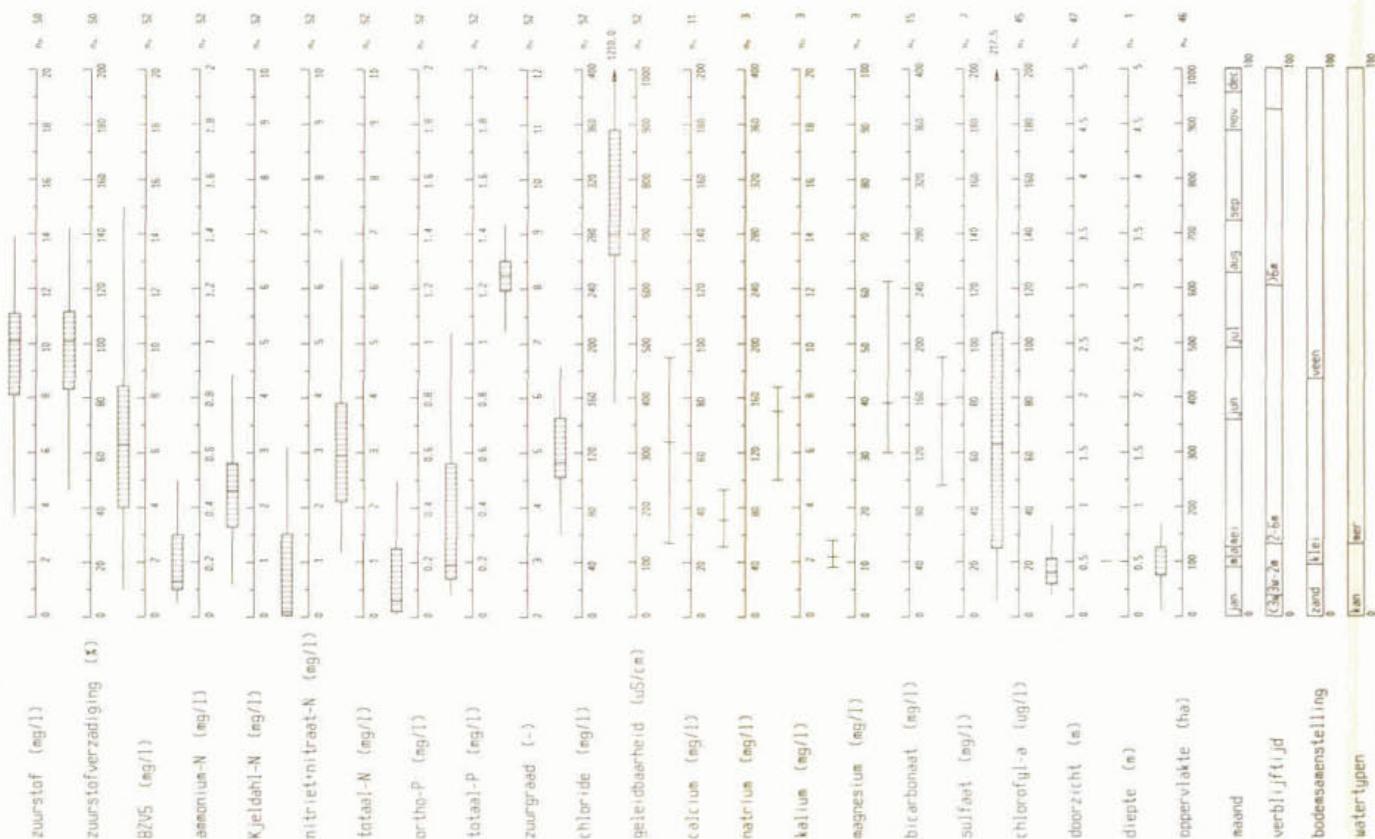
vangsten : 53  
 localities : 19  
 holken : 17

watertypen □ sloten  
 □ stromende wateren  
 □ koudwater  
 □ meren  
 □ zand-, grind- en  
 kolkgronden

**stowa**

Eco-atlas van waterorganismen

*Tetraedron caudatum* var. *incisum*



Fytoplankton : Chlorofyceae (groenwieren)

**Tetraedron incus**



**stowa**

Eco-atlas van waterorganismen

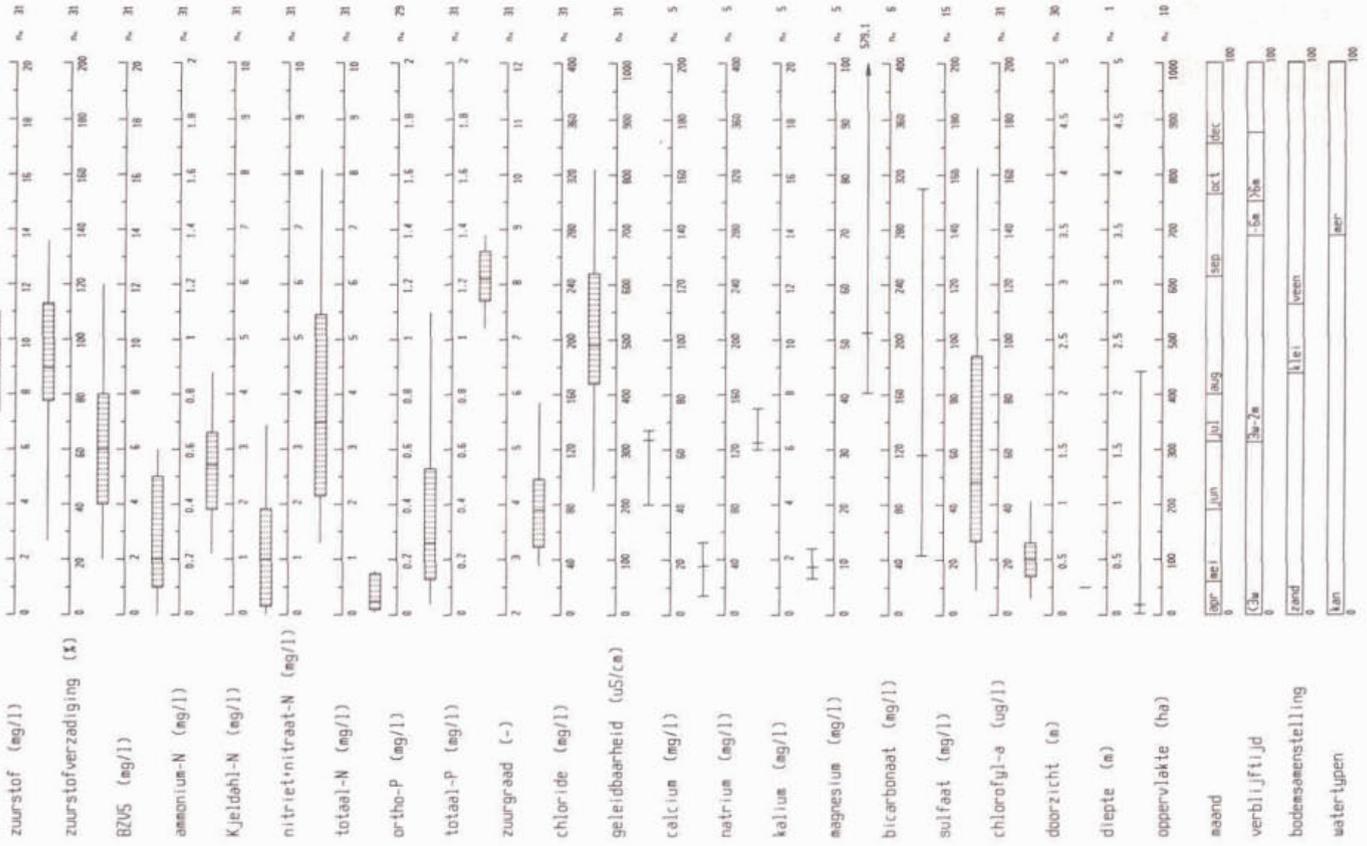
**Tetraedron incus**

vangsten : 32  
 locaties : 22  
 hokken : 21

watertypen  
 skoten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten

Tetraedron incus



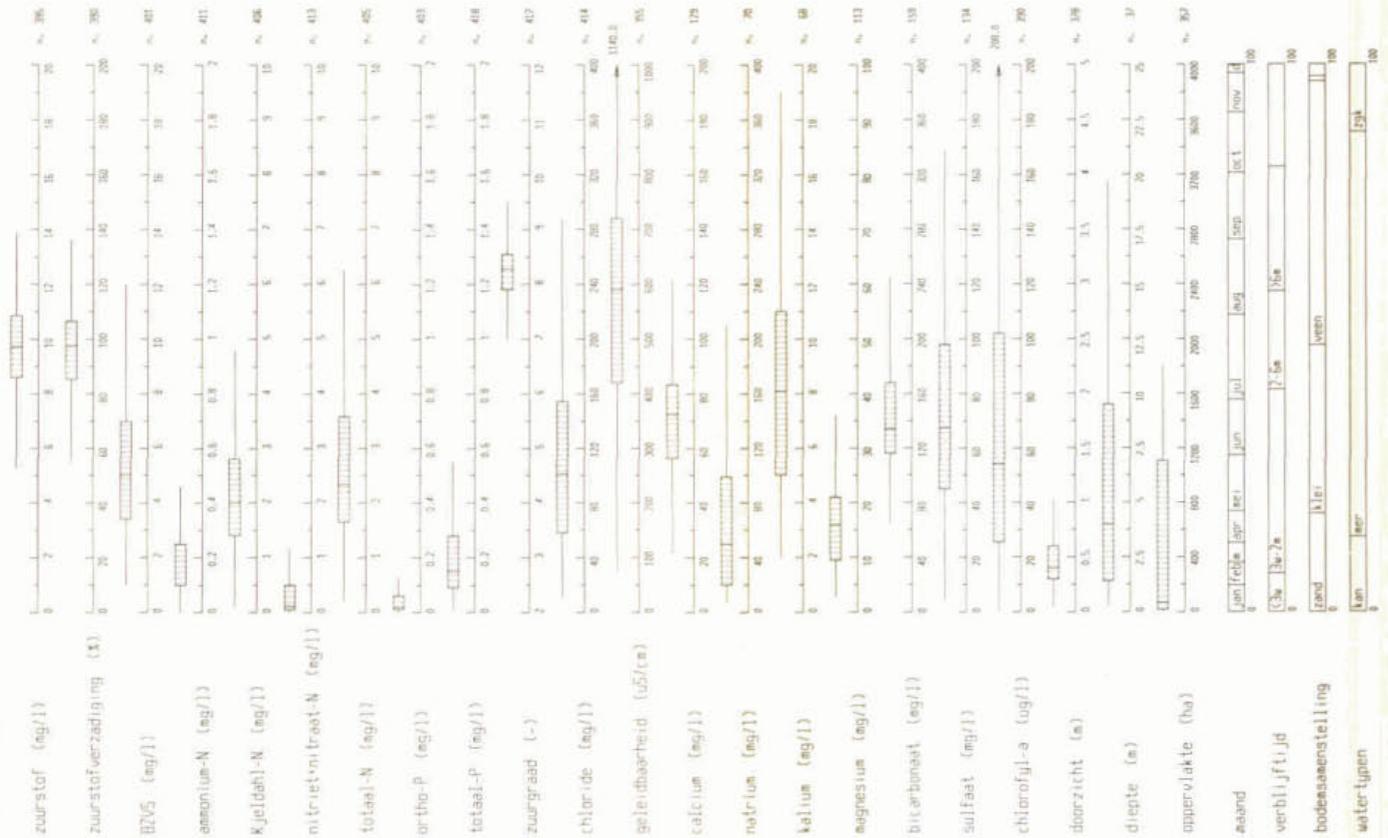
mei	jun	jul	aug	sep	okt	dec
0	0	0	0	0	0	0
100	100	100	100	100	100	100

Fytoplankton : Chlorofyceae (groenwieren)

Tetraedron minimum



Tetraedron minimum



**stowa**

Eco-atlas van waterorganismen

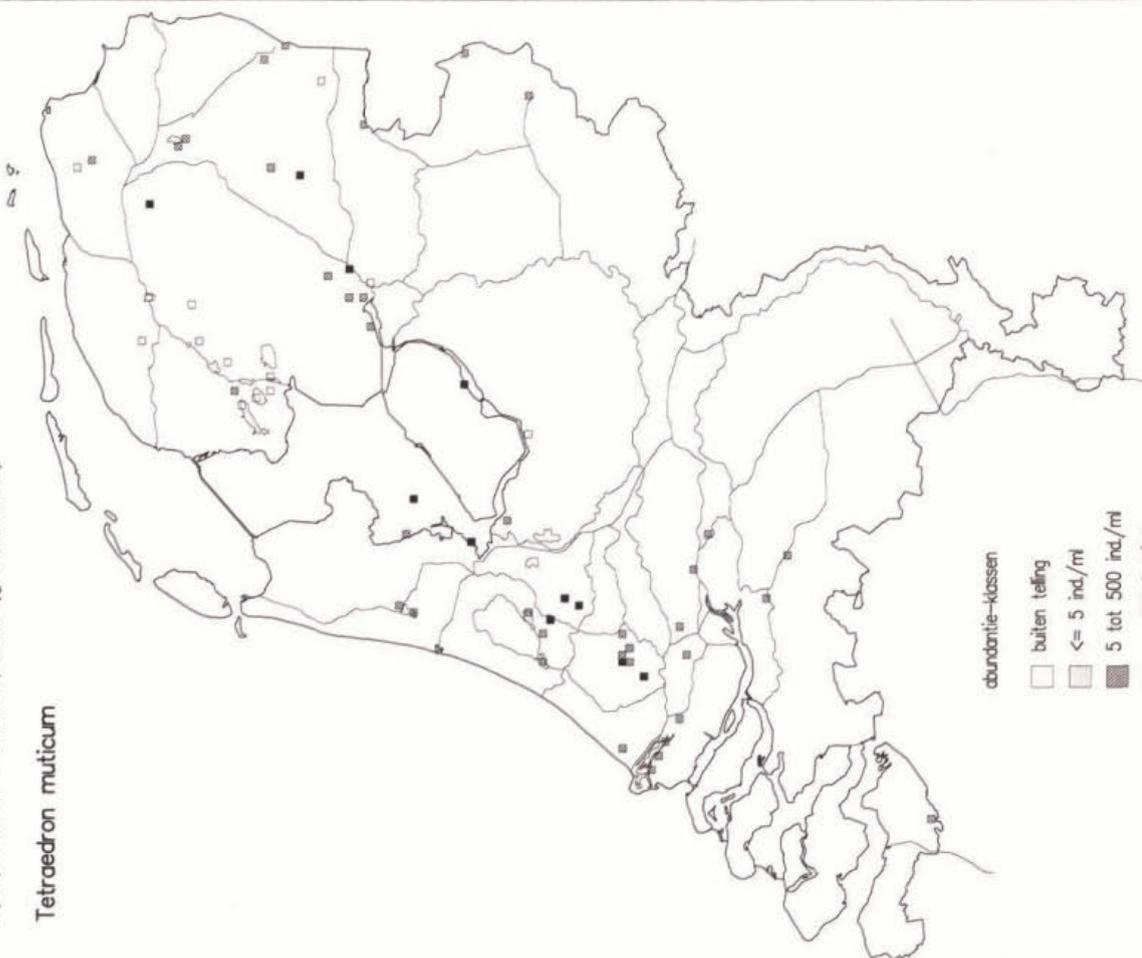
Tetraedron minimum

vangsten : 429  
 locaties : 123  
 hokken : 118

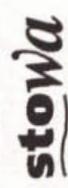
watertypen  
 sloten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

Fytoplankton : Chlorofyceae (groenwieren)

**Tetraedron muticum**



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./m  
 □ 5 tot 500 ind./m  
 □ ≥ 500 ind./m



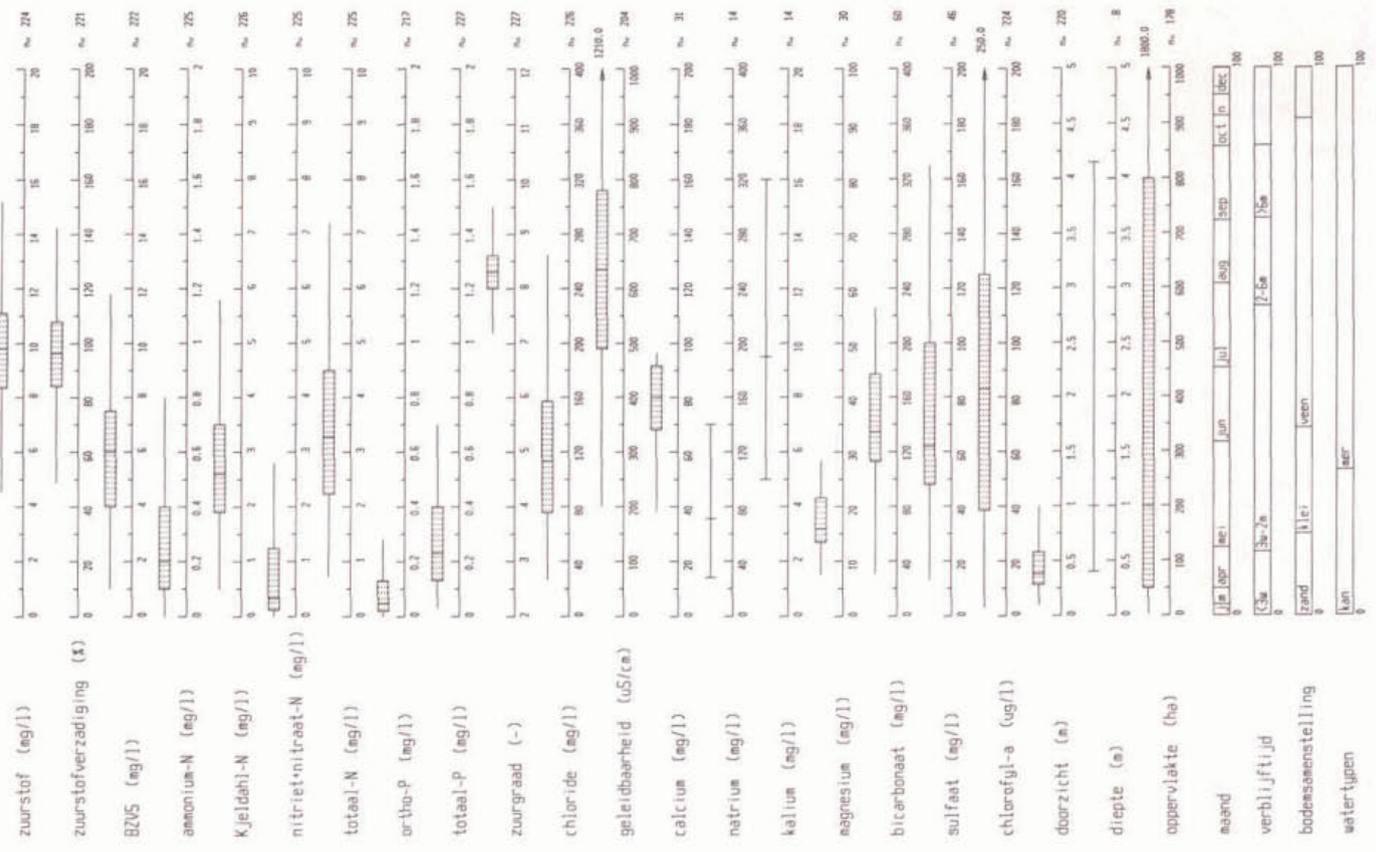
Eco-atlas van waterorganismen

**Tetraedron muticum**

vangsten : 234  
 locaties : 65  
 hokken : 62

watertypen  
 sluisen  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

**Tetraedron muticum**

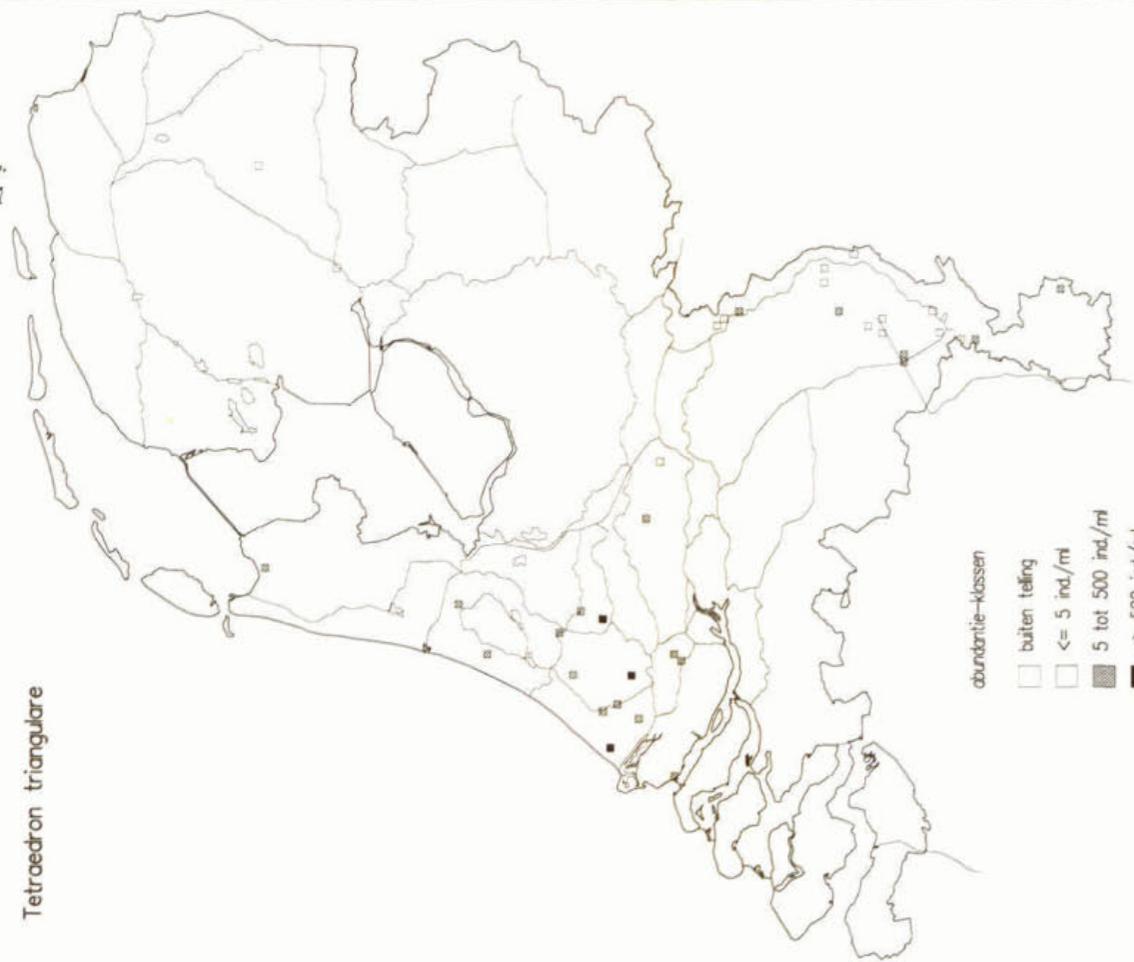


jan feb mar apr mei jun jul aug sep okt nov dec

Stu 3a-7a  
 Zand klei veen  
 kun leer

Fytoplankton : Chlorofyceae (groenwieren)

**Tetraedron triangulare**



abundantie-klassen

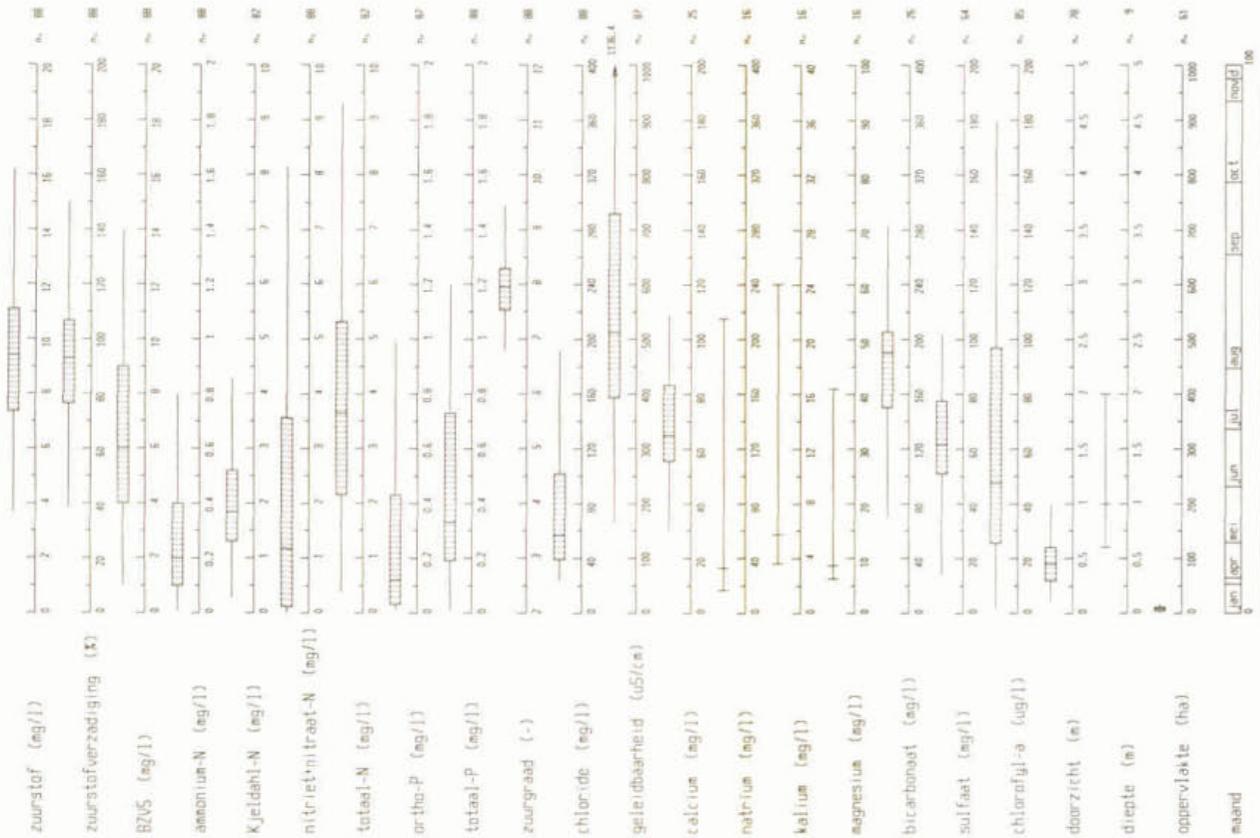
- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

**Tetraedron triangulare**

vangsten : 90  
 locaties : 39  
 hobben : 37

**stowa**  
 Eco-atlas van waterorganismen

**Tetraedron triangulare**



maand:  jan  apr  mei  jun  jul  aug  sep  oct  nov  dec

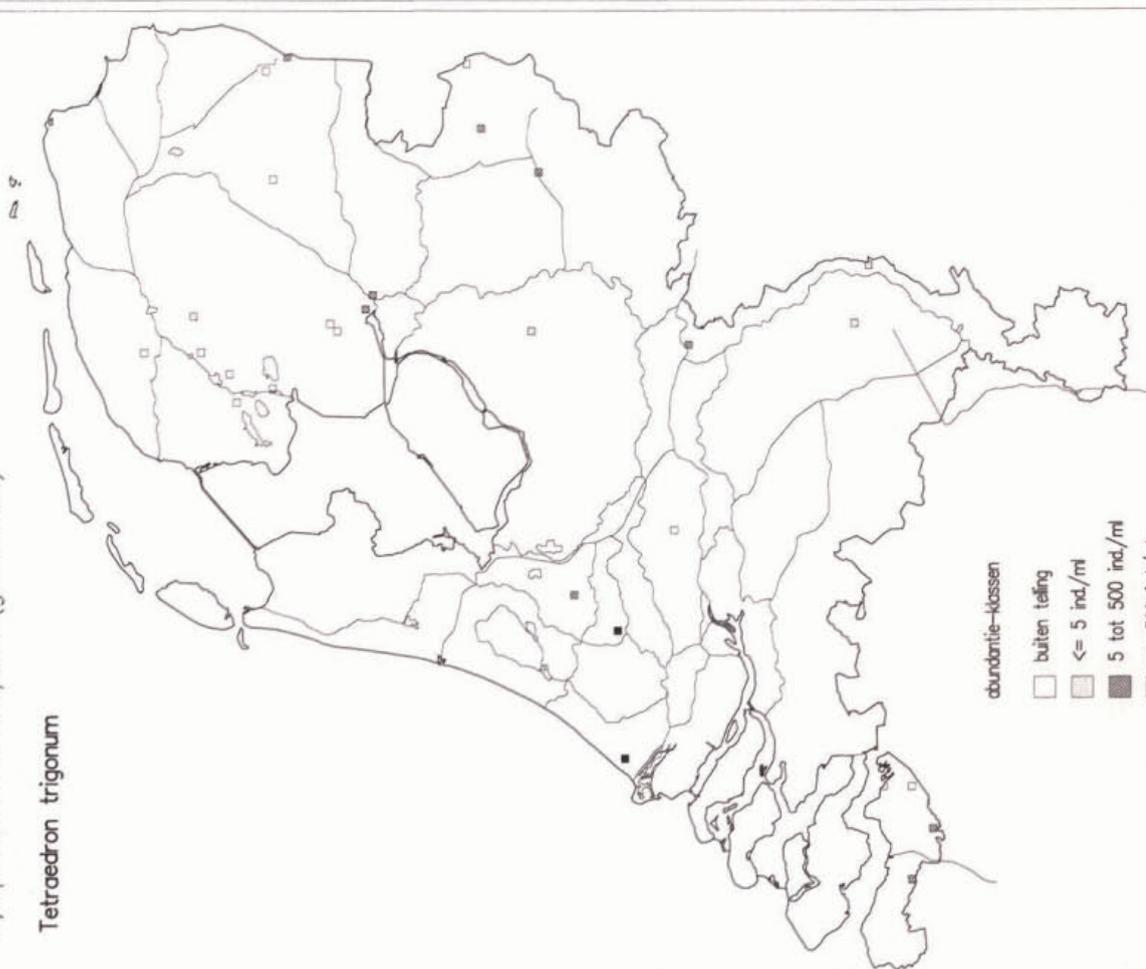
verbl.jftijd:  0-10  10-20  20-30  30-40  40-50  50-60  60-70  70-80  80-90  90-100

bodessaaistelling:  zand  klei  veen  zilg

watertypen:  kan  meer  rivier  zijkanaal

Fytoplankton : Chlorofyceae (groenwieren)

Tetraedron trigonum



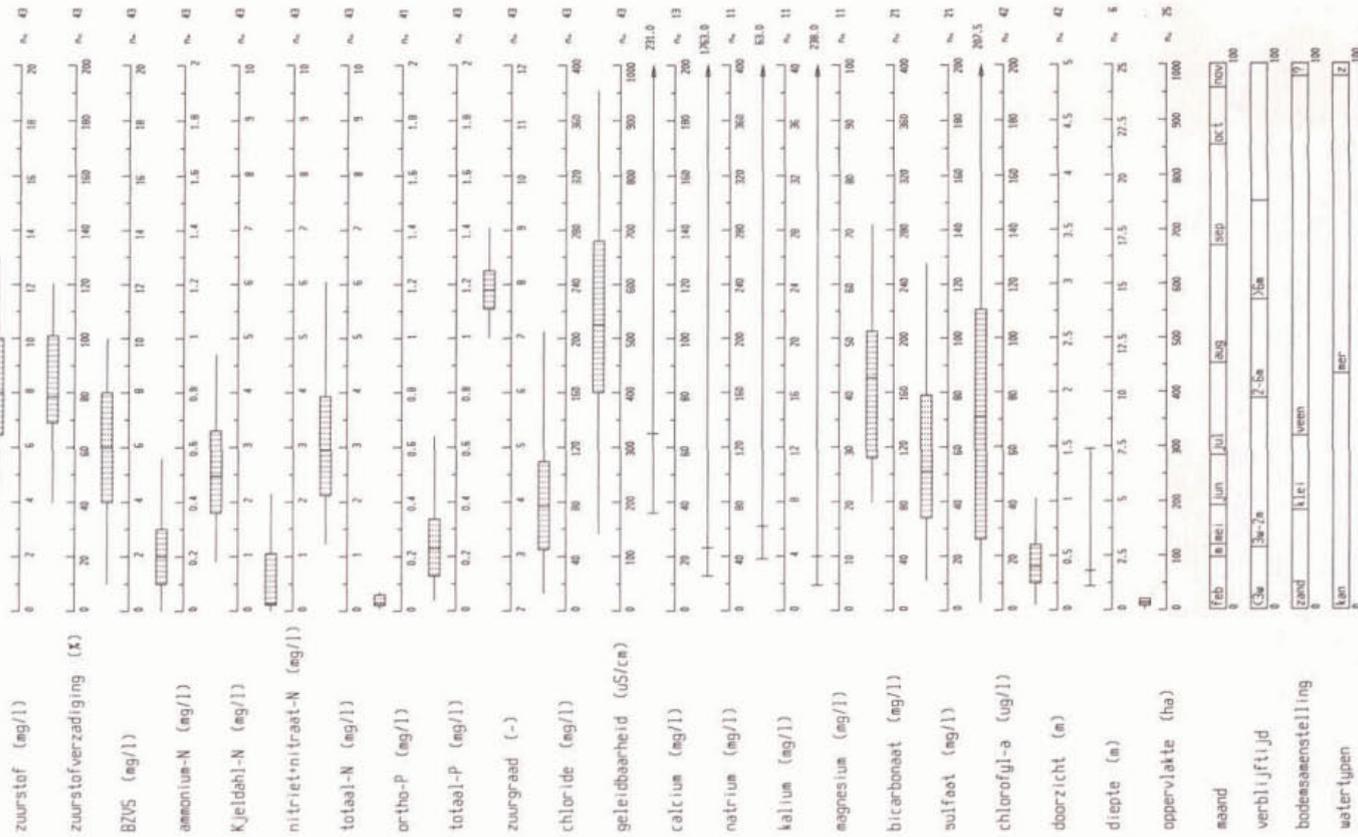
**stowa**

Eco-atlas van waterorganismen

Tetraedron trigonum

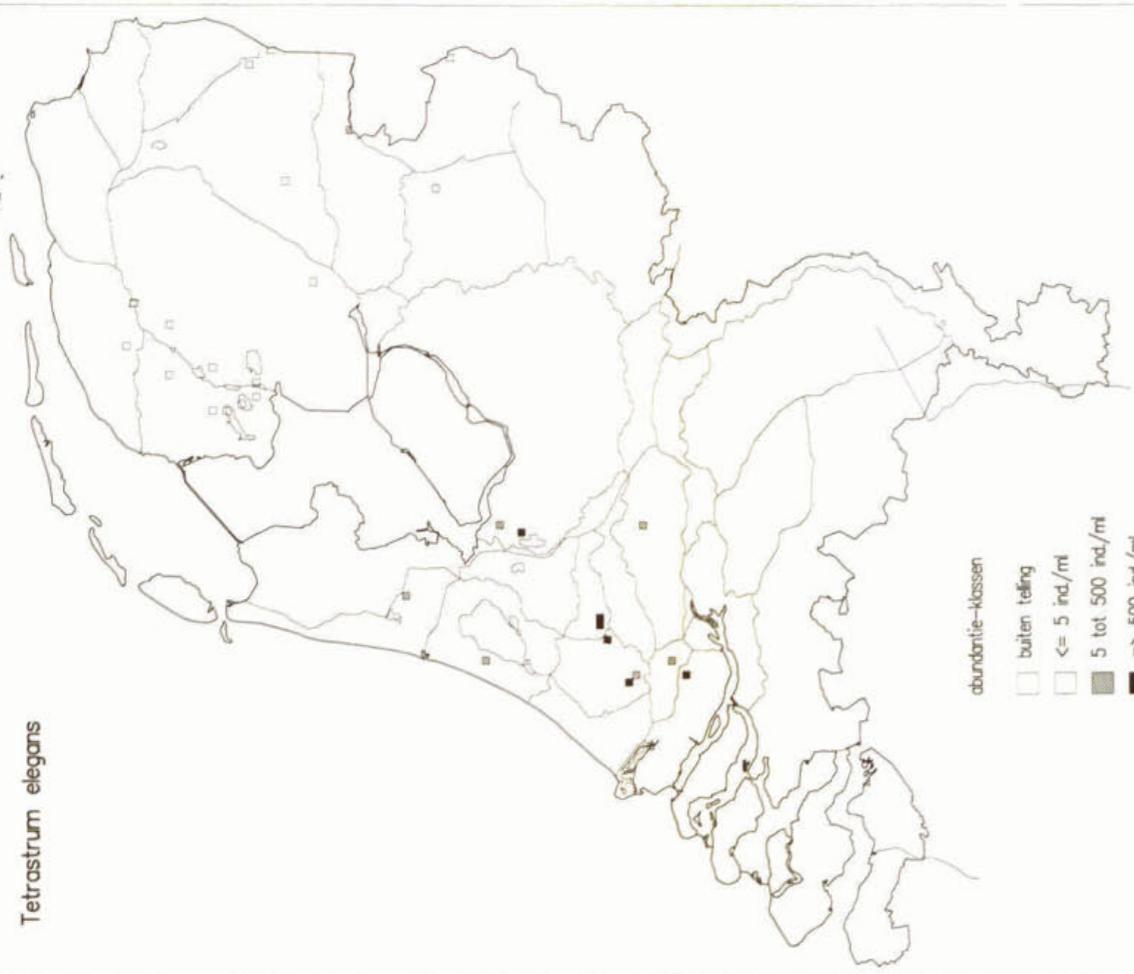
vangsten : 44  slöten  meren  
 locaties : 29  stromende wateren  zand-, grind- en  
 hokken : 28  kanalen  kleigaten

Tetraedron trigonum



Fytoplankton : Chlorofyceae (groenwieren)

Tetrastrum elegans



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./m<sup>3</sup>  
 ■ 5 tot 500 ind./m<sup>3</sup>  
 ■ ≥ 500 ind./m<sup>3</sup>

Tetrastrum elegans

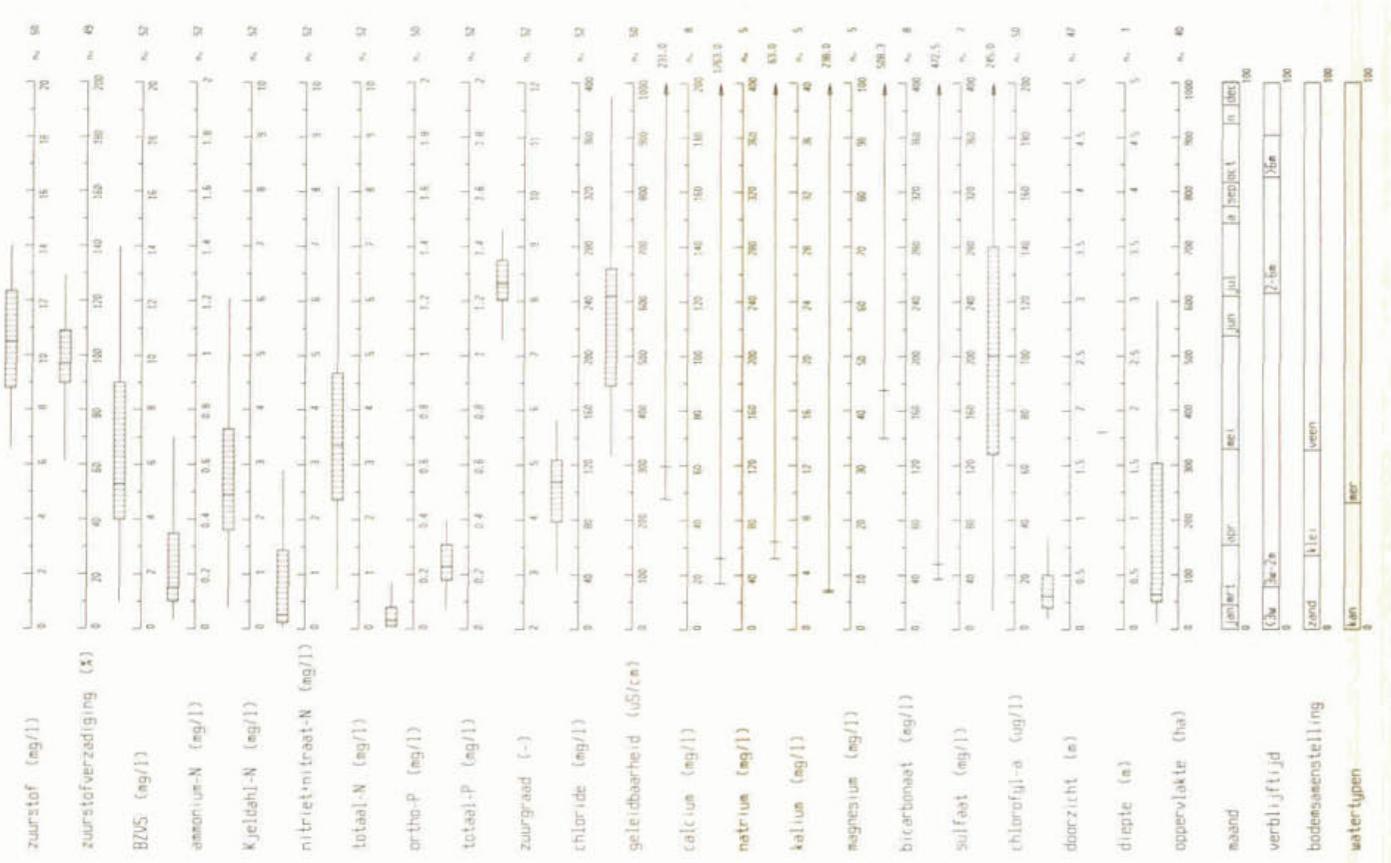
vangsten : 52  
 locaties : 32  
 hokken : 31

watertypen  
 □ skien  
 □ stromende wateren  
 □ zand-, grind- en kleigaten



Eco-atlas van waterorganismen

Tetrastrum elegans



januari feb mei jun jul sep okt in jaren

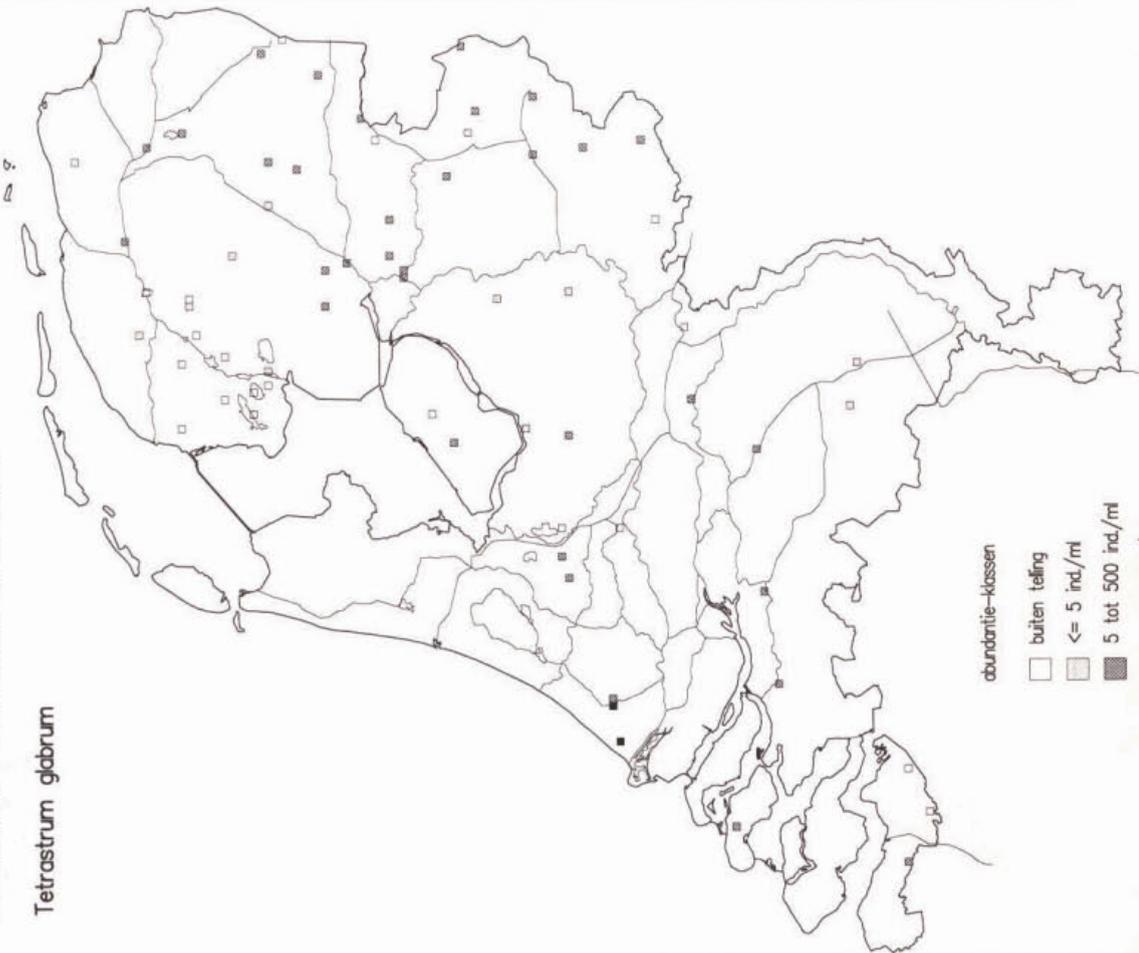
3-4 5-6 7-8 9-10 11-12

zand klei veen

kan mer

Fytoplankton : Chlorofyceae (groenwieren)

Tetrastrum glabrum



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

**stowa**

Eco-atlas van waterorganismen

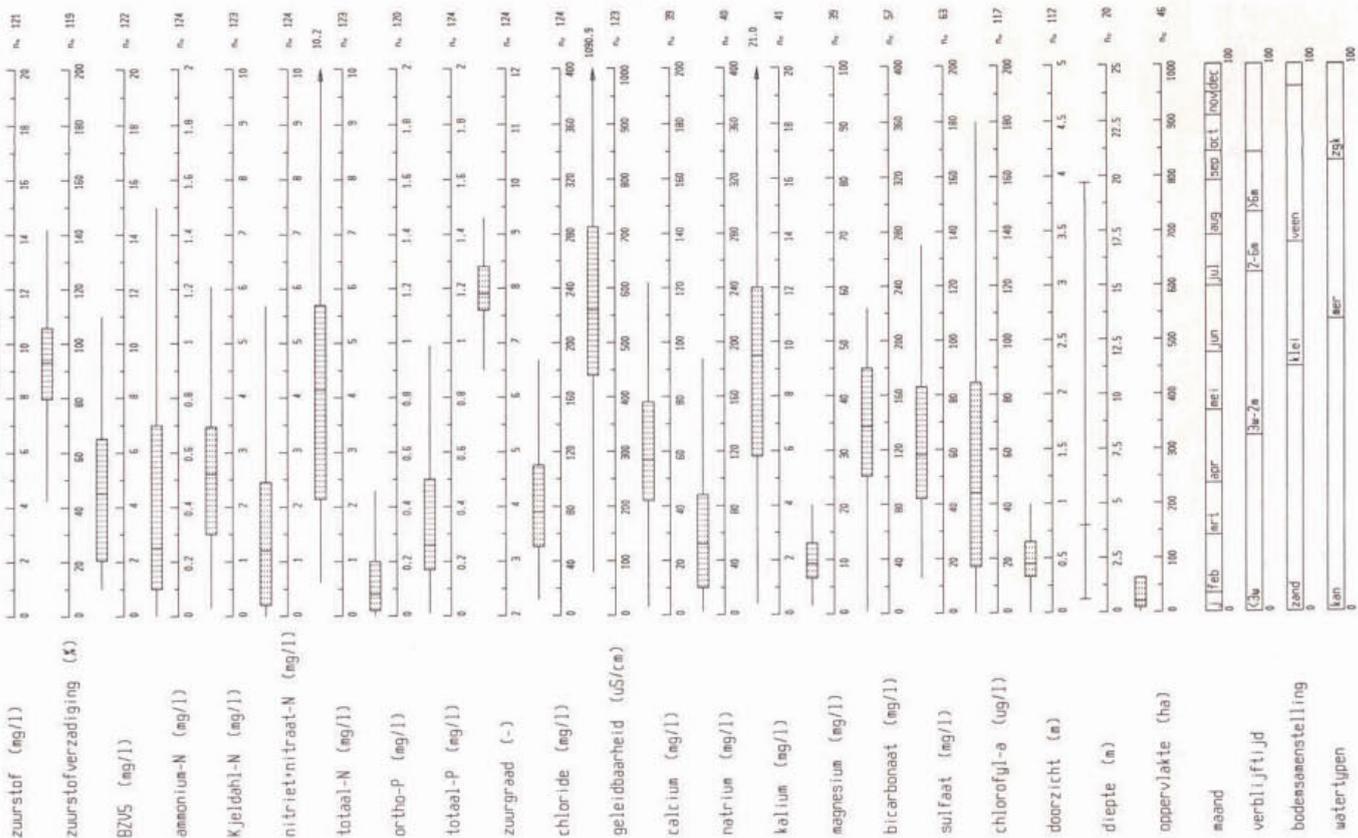
Tetrastrum glabrum

vangsten : 127  
 locaties : 69  
 hokken : 67

watertypen  
 sloten  
 stromende wateren  
 karaden

meren  
 zand-, grind- en kleigaten

Tetrastrum glabrum



maand:  feb  mrt  apr  mei  jun  jul  aug  sep  oct  nov  dec

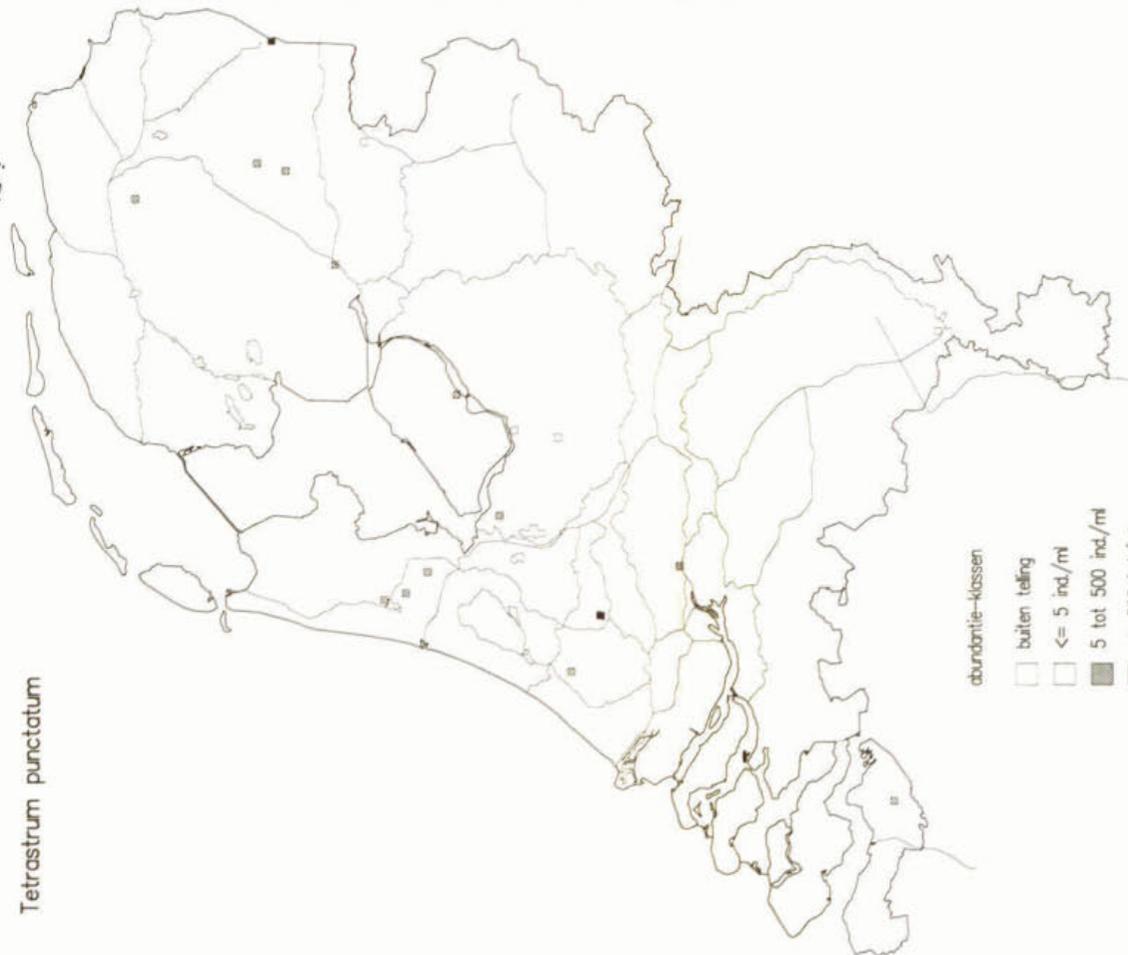
verblijftijd:  1-2 m  2-5 m  5-10 m  10-20 m  20-50 m  50-100 m  100-200 m  200-500 m  500-1000 m  1000-2000 m

bodesaanstelling:  zand  klei  leem  veen

watertypen:  kan  mer  zijk

Fytoplankton : Chlorofyceae (groenwieren)

Tetrastrum punctatum



abundantie-klassen

- buiten telling
- <= 5 ind./m<sup>3</sup>
- 5 tot 500 ind./m<sup>3</sup>
- >= 500 ind./m<sup>3</sup>

Tetrastrum punctatum

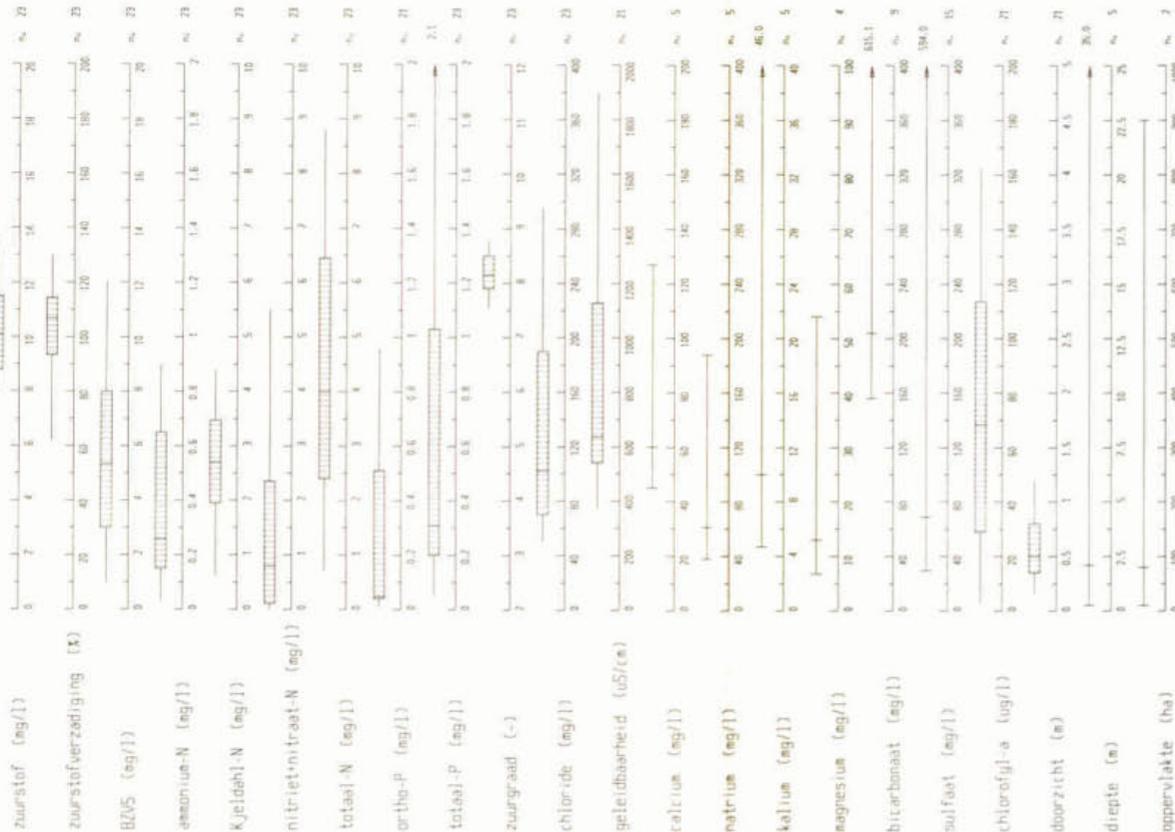
vangsten : 23  
 locaties : 83  
 hakken : 18

watertypen  
 sloten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten

**stowa**  
 Eco-atlas van waterorganismen

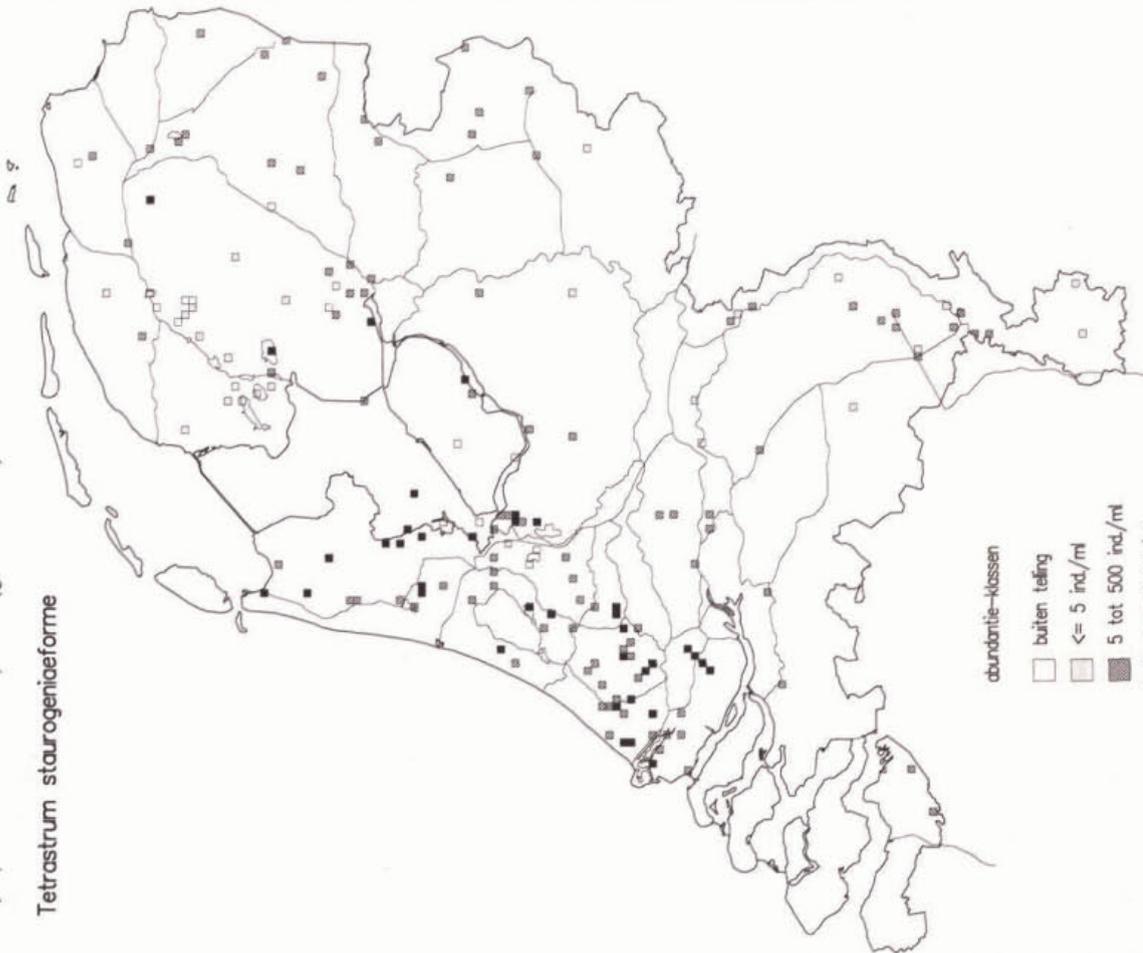
Tetrastrum punctatum



maand  
 verblijftijd  
 bodesaanstelling  
 watertypen

Fytoplankton : Chlorofyceae (groenwieren)

Tetrastrum staurogenioeforme



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

Tetrastrum staurogenioeforme

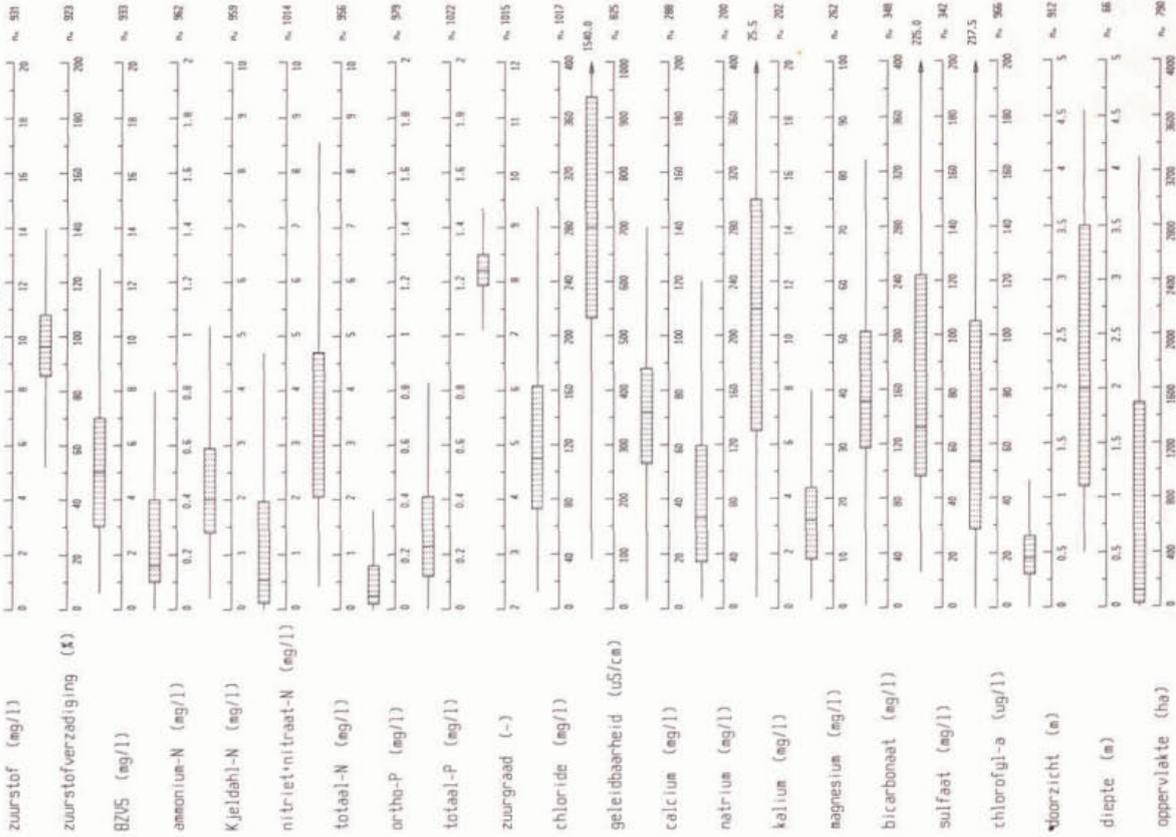
vangsten : 1050  
 locaties : 187  
 hokken : 174

sloten  
 stromende wateren  
 kanden

meren  
 zand-, grind- en kleigaten

**stowa**  
 Eco-atlas van waterorganismen

Tetrastrum staurogenioeforme



maand:  jan  feb  mrt  apr  mei  jun  jul  aug  sep  oct  nov  dec

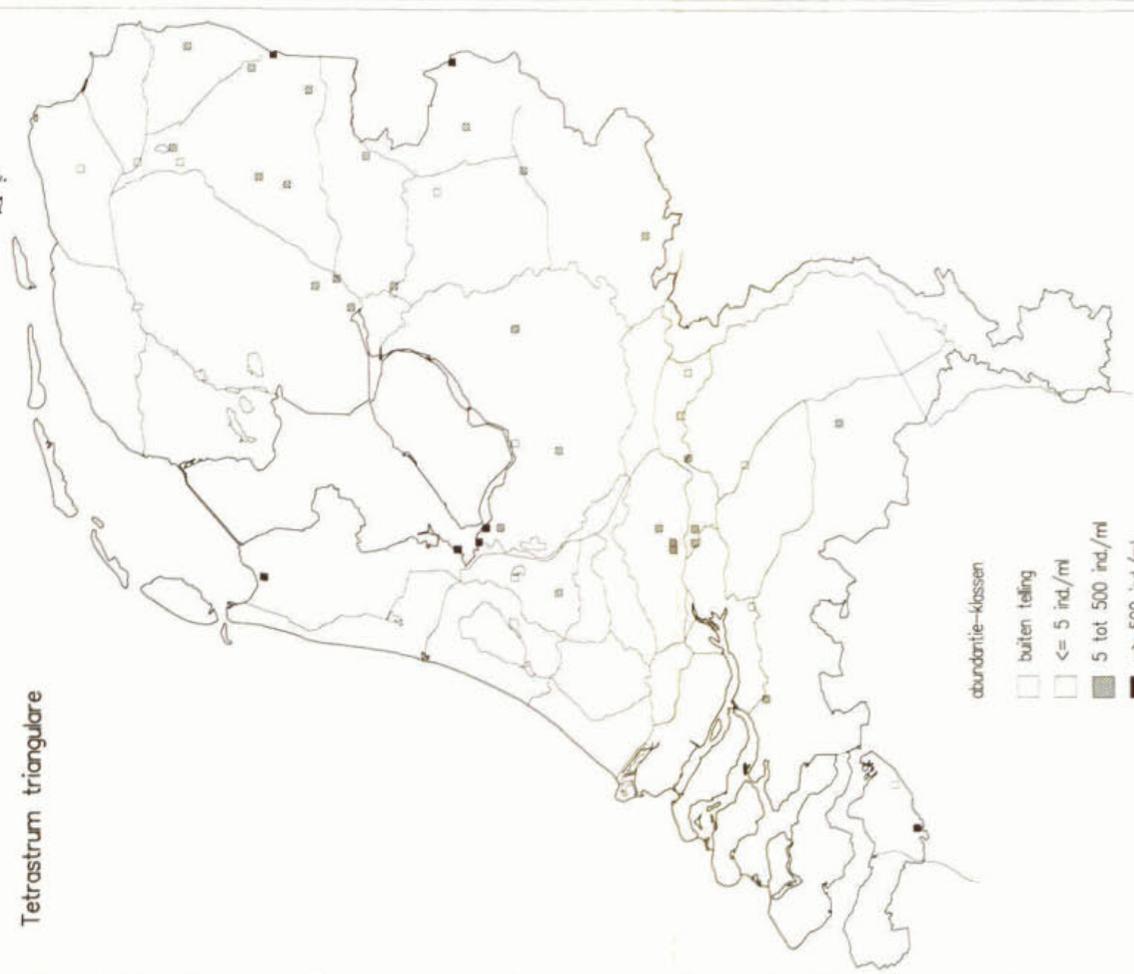
Clas:  1-2  3-4  5-6  7-8  9-10  11-12

zand:  klei  veen

van:  jan  feb  mar  apr  mei  jun  jul  aug  sep  oct  nov  dec

Fytoplankton : Chlorofyceae (groenwieren)

Tetrastrum triangulare



abundantie-klasse  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ => 500 ind./ml

Tetrastrum triangulare

vangsten : 81  
 locaties : 47  
 hakken : 45

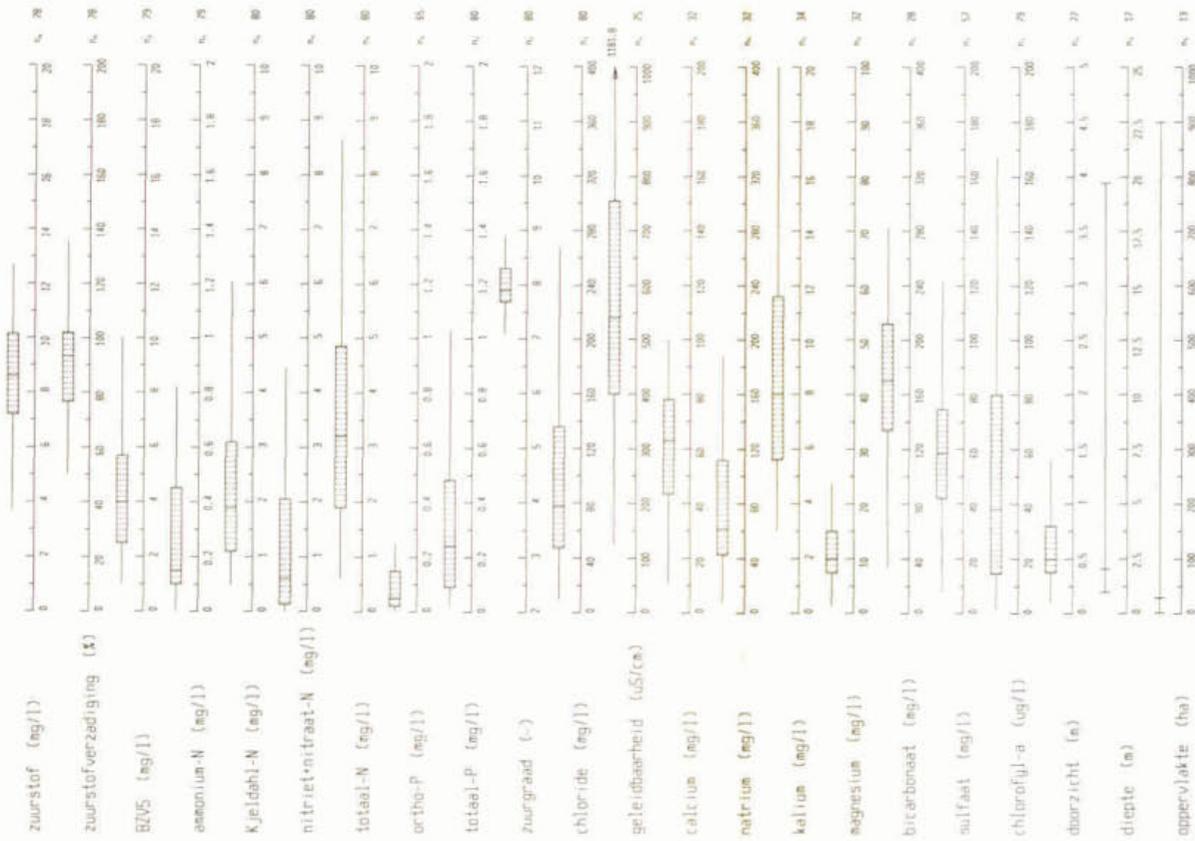
watertypen □ sloten □ stromende wateren □ zand-, grind- en kleigaten

N meren  
 N zand-, grind- en kleigaten



Eco-atlas van waterorganismen

Tetrastrum triangulare



maand	feb	mer	april	mei	juni	juli	aug	sep	okt	100
verblijftijd	0	0	0	0	0	0	0	0	0	100
bodestaanstelling	0	0	0	0	0	0	0	0	0	100
watertypen	0	0	0	0	0	0	0	0	0	100

Fytoplankton : Chlorofyceae (groenwieren)

Treubaria schmidlei



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

Treubaria schmidlei

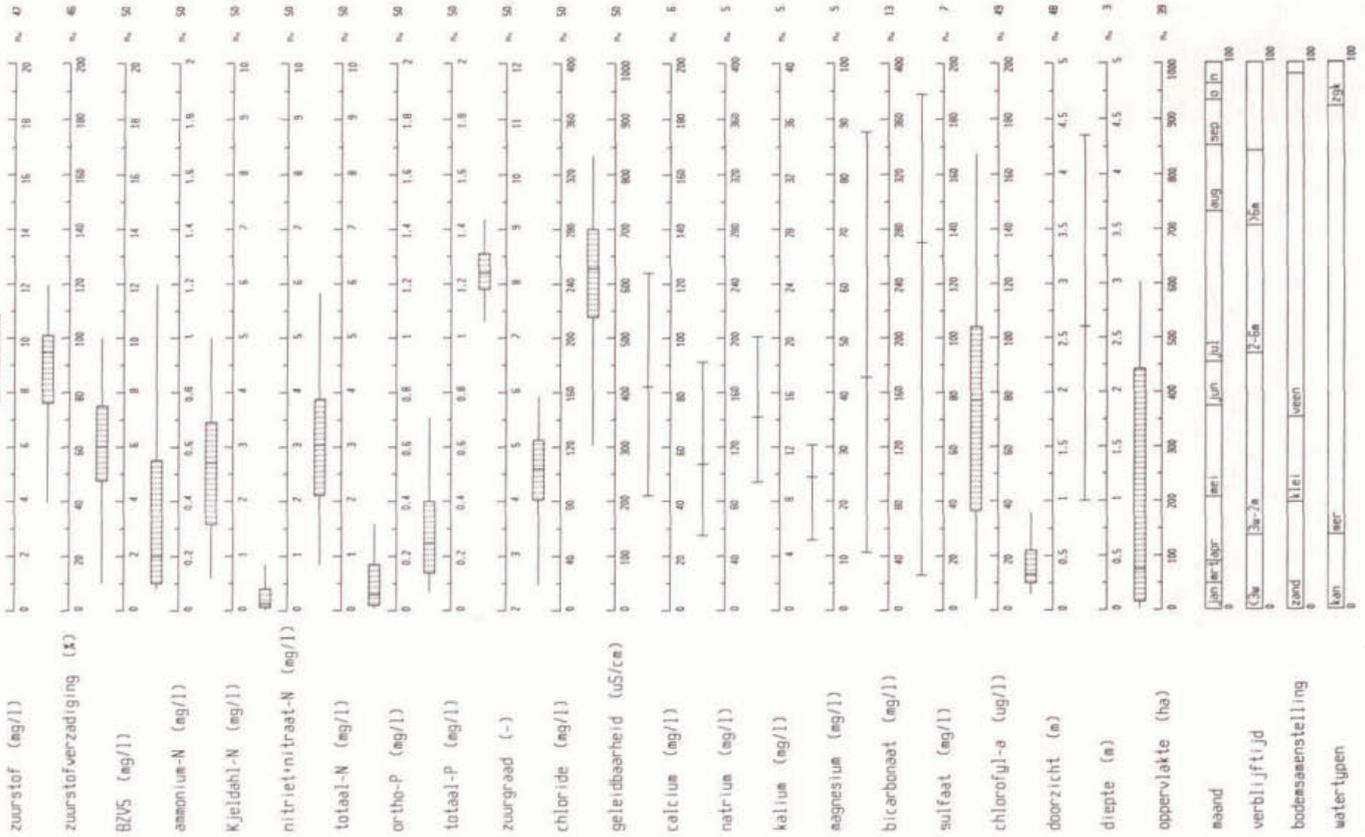
- vangsten : 51
- locaties : 27
- hokken : 27

- sloten
- stromende wateren
- kanden

- meren
- zand-, grind- en kleigaten

**stowa**  
Eco-atlas van waterorganismen

Treubaria schmidlei



maand:  jan  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

verblijftijd:  0-10  10-20  20-30  30-40  40-50  50-60  60-70  70-80  80-90  90-100

bodesaanstelling:  zand  klei  veen

watertypen:  slot  kreek

Fytoplankton : Chlorofyceae (groenwieren)

Treubaria trippendiculata



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

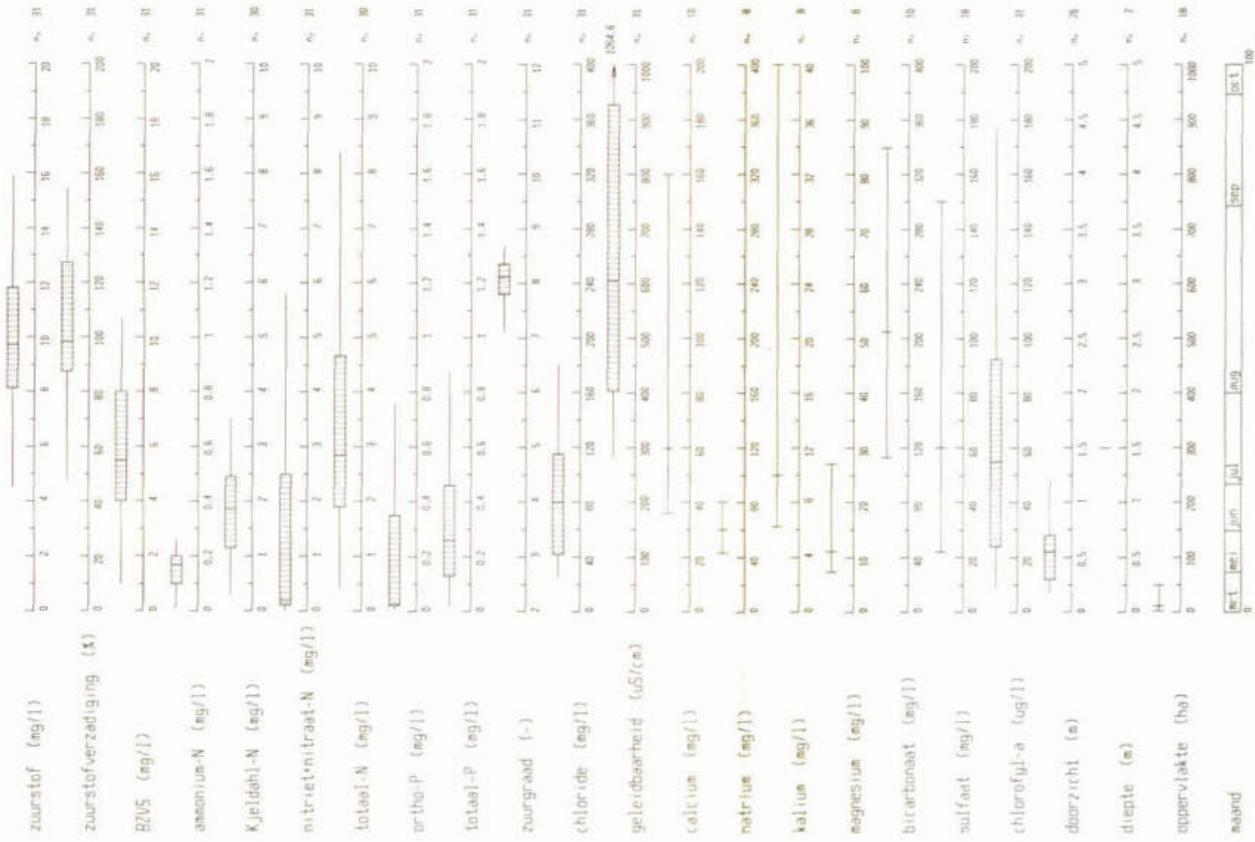
Treubaria trippendiculata

- vangsten : 31
- locaties : 26
- hokken : 25

**stowa**

Eco-atlas van waterorganismen

Treubaria trippendiculata



Fytoplankton : Conjugatophyceae (Ijukwieren)

*Closterium aciculare*



**stowa**  
Eco-atlas van waterorganismen

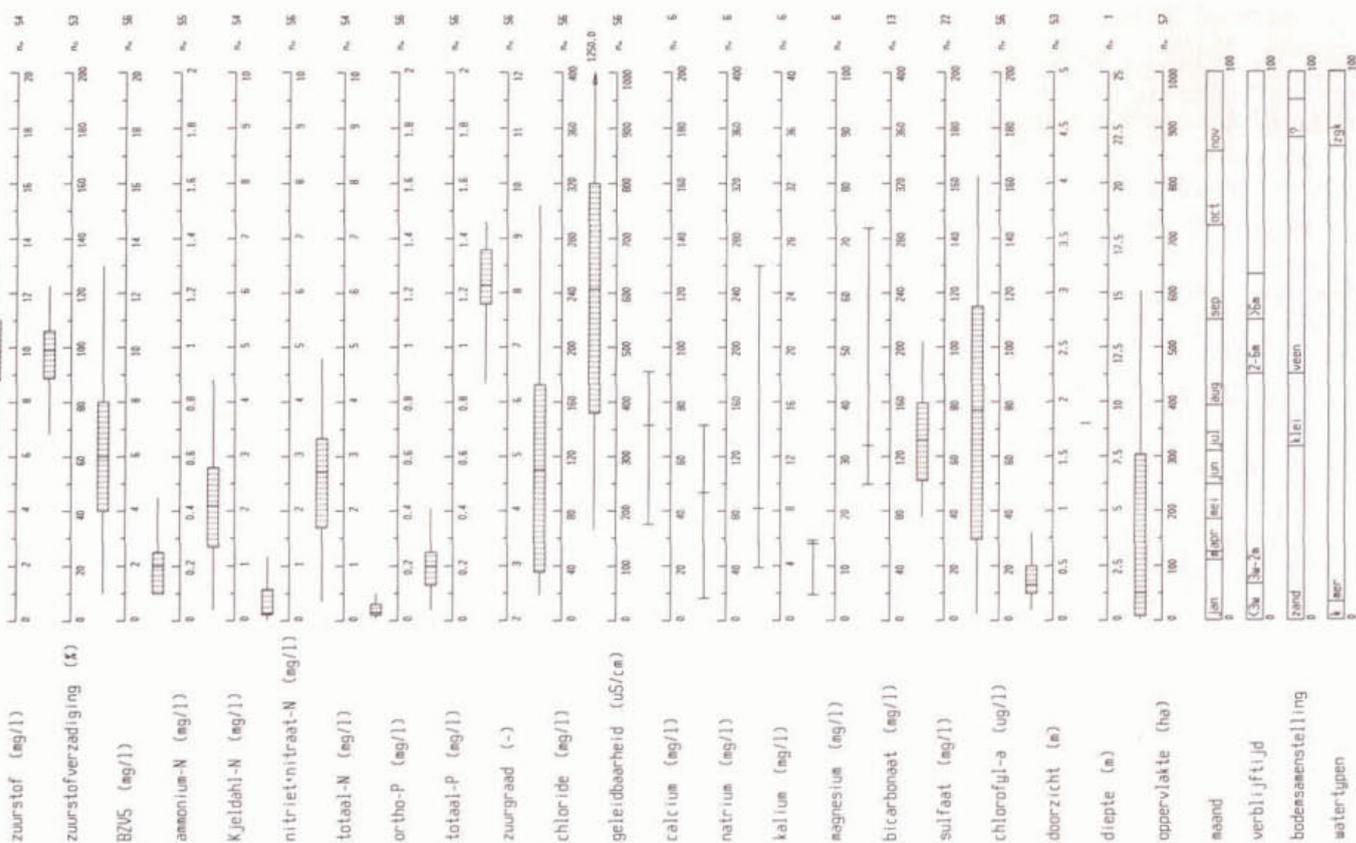
*Closterium aciculare*

vangsten : 60  
locaties : 27  
hokken : 26

watertypen  
 slotten  
 stromende wateren  
 kanden

meren  
 zand-, grind- en hokken

*Closterium aciculare*



Fytoplankton : Conjugatophyceae (Ijukwieren)  
**Closterium acutum**

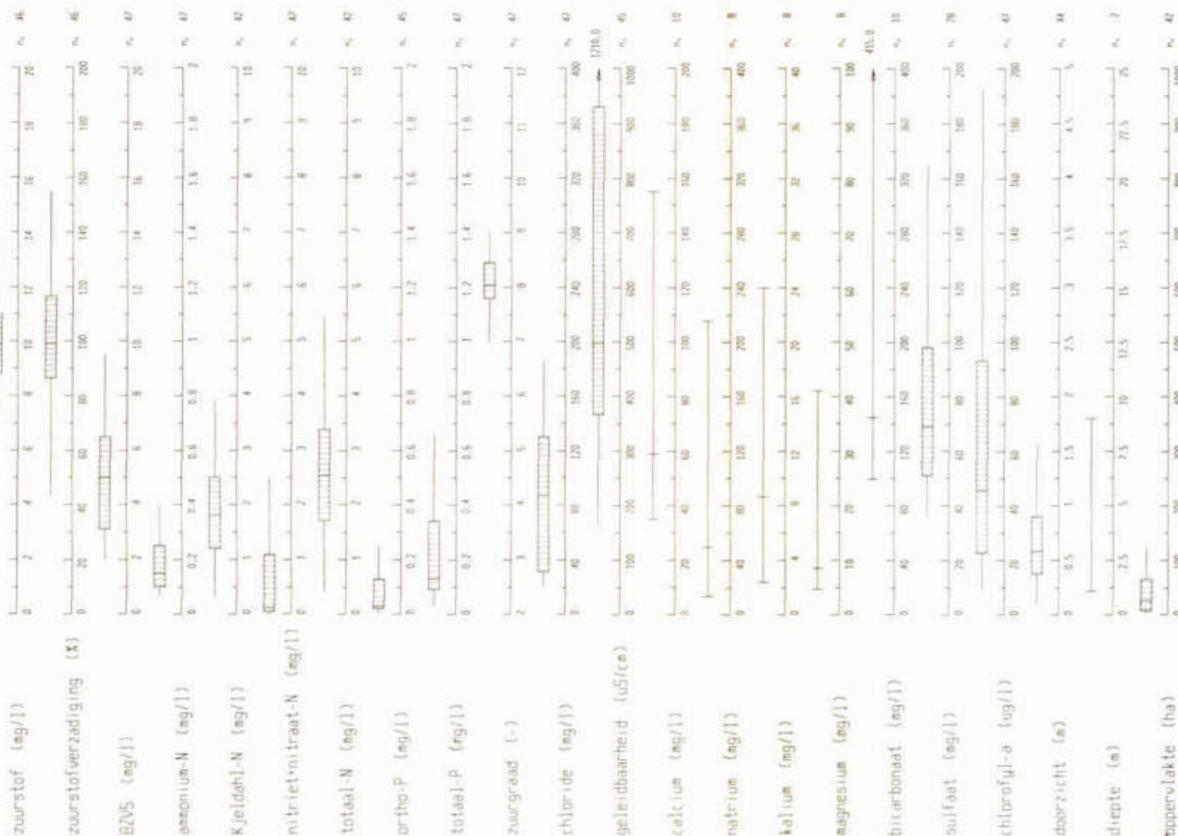


abundantie-klassen  
 buiten telling  
 <= 5 ind./m  
 5 tot 500 ind./m  
 >= 500 ind./m

**Closterium acutum**  
 vangsten : 46  actien  meren  
 locaties : 29  stromende wateren  zand-, grind- en kleigaten  
 hokken : 29  kanalen

**stowa**  
 Eco-atlas van waterorganismen

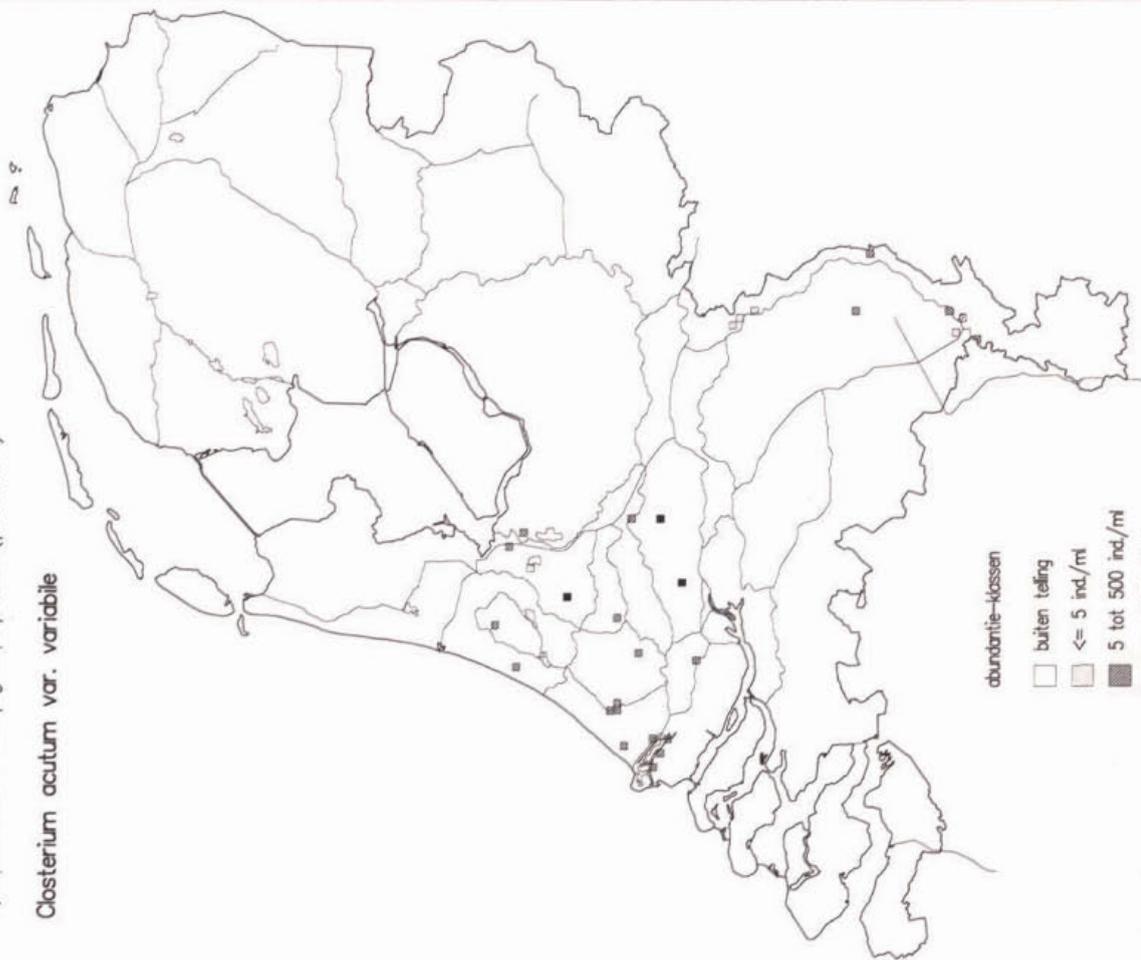
**Closterium acutum**



maand	april	mei	jun	jul	aug	sep	oct	nov	dec	n
verbljftijd	0	50	100	150	200	250	300	350	400	n
bodemstelselling	0	2	4	6	8	10	12	14	16	n
watertypen	0	100	200	300	400	500	600	700	800	n

Fytoplankton : Conjugatophyceae (Ijukwieren)

**Closterium acutum var. variabile**



**stowa**

Eco-atlas van waterorganismen

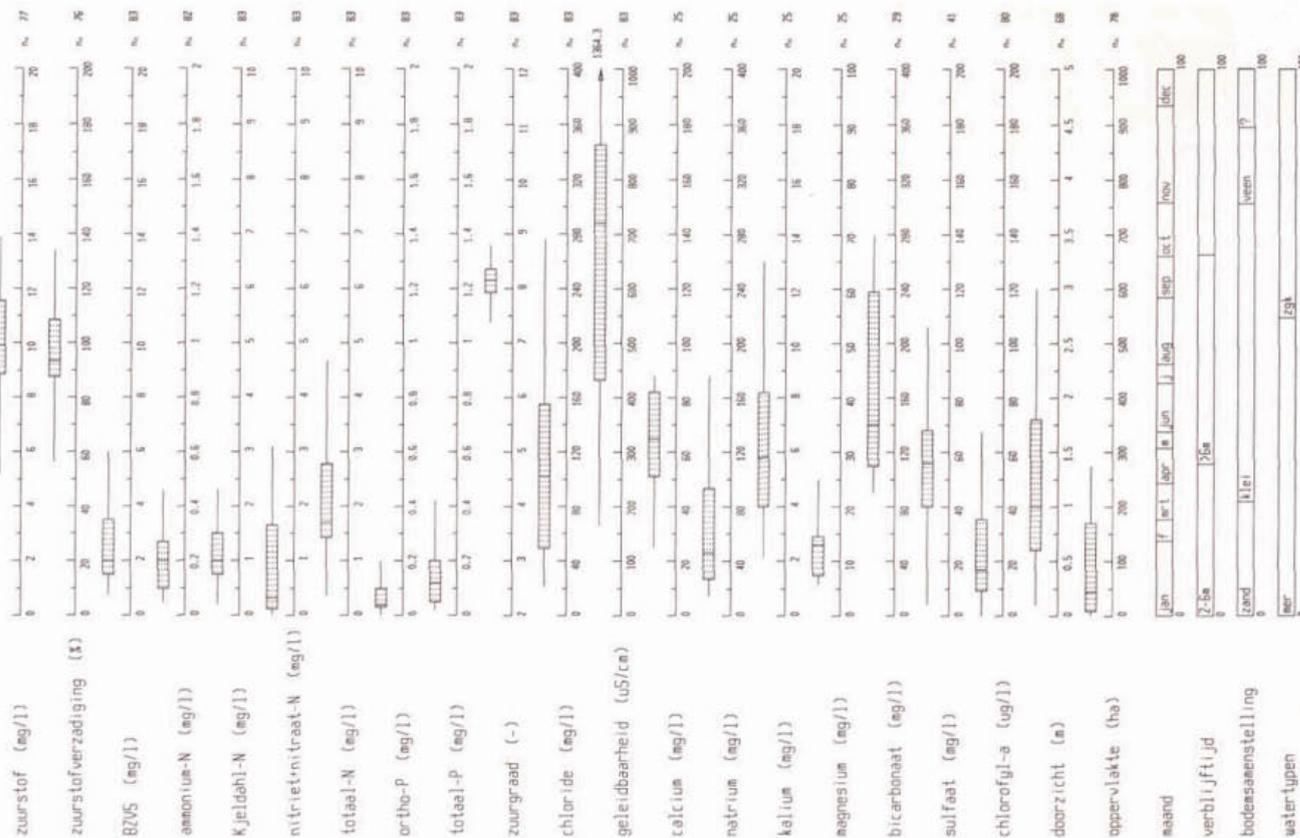
Closterium acutum var. variabile

vangsten : 86  
 locaties : 29  
 hakken : 29

watertypen  
 sloten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten

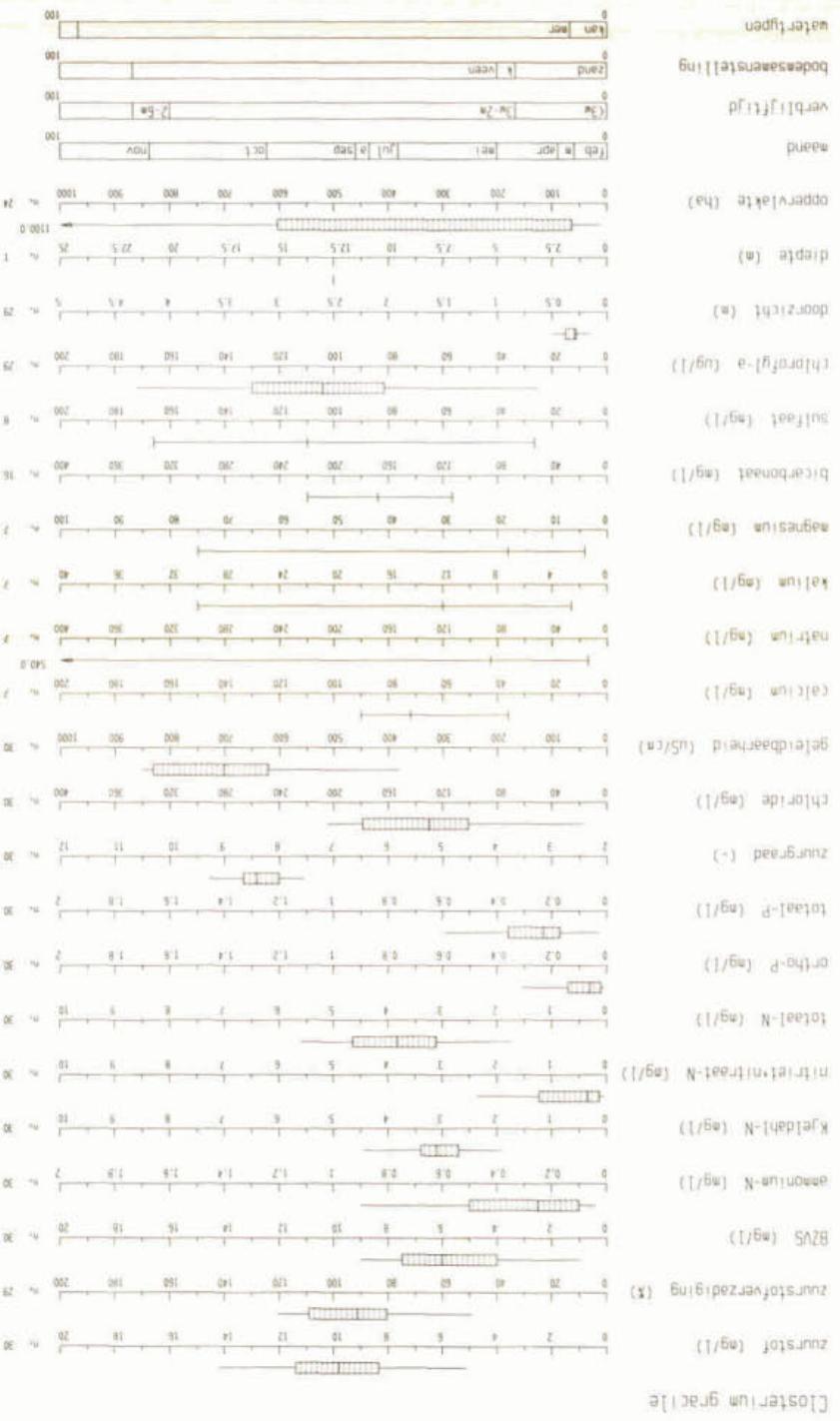
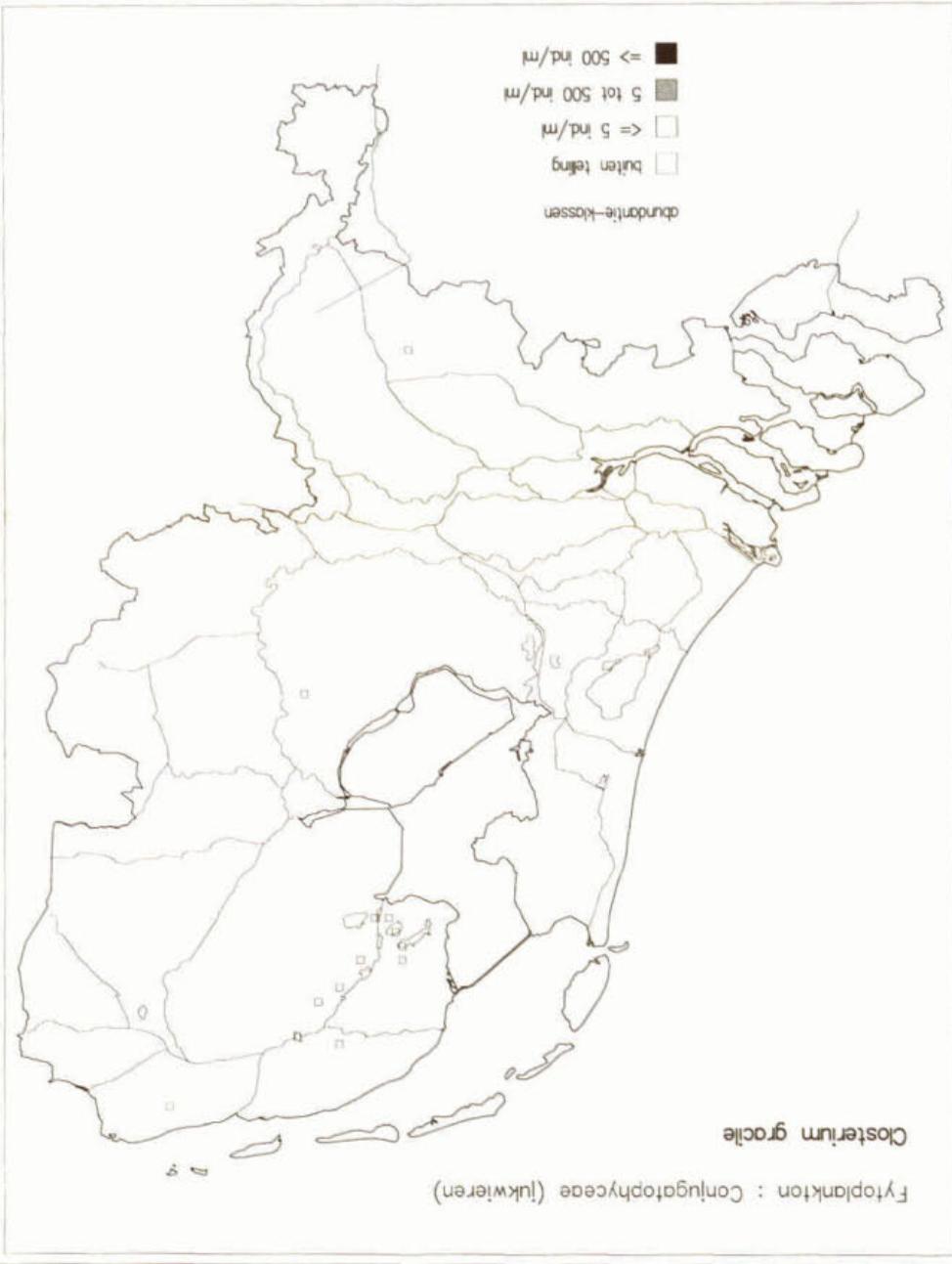
Closterium acutum var. variabile



vangsten : 30  
 locaties : 14  
 hokken : 14

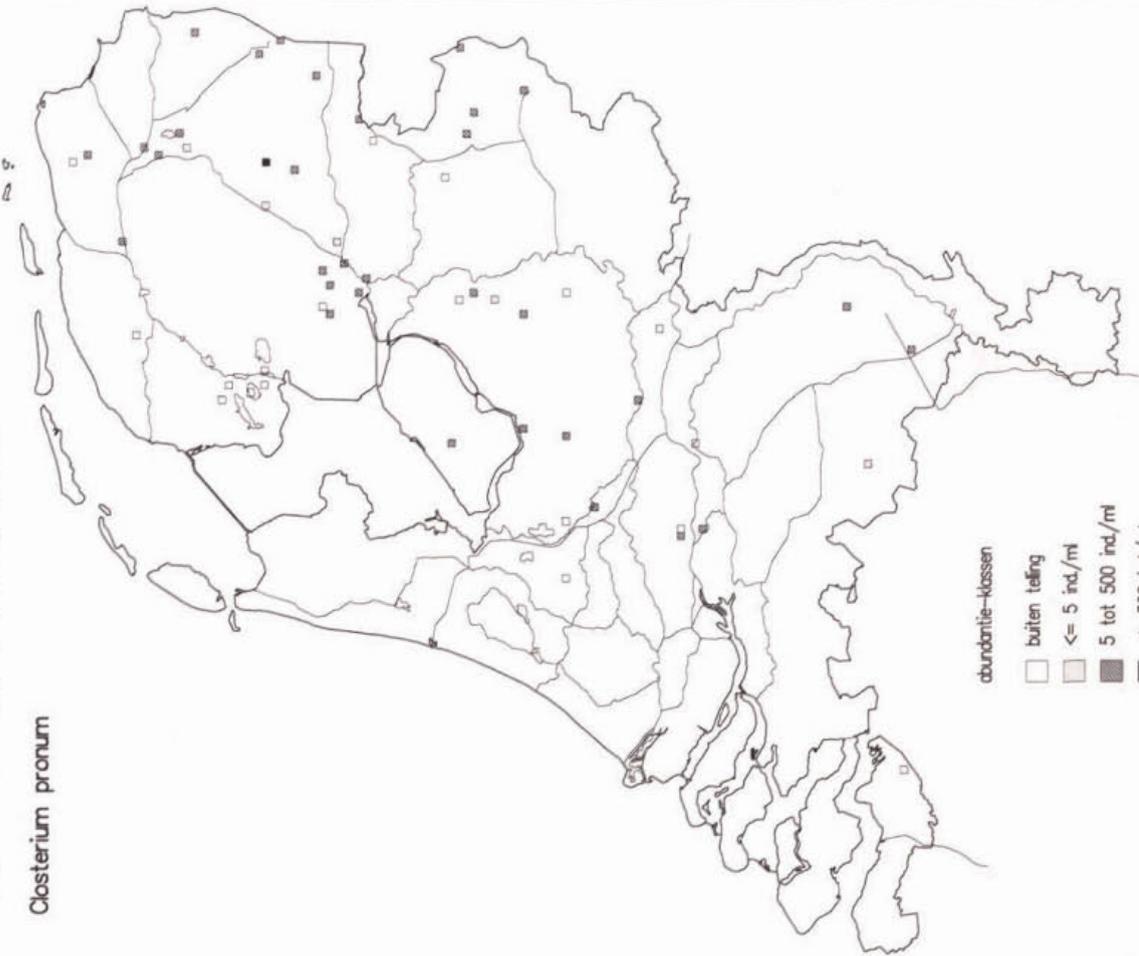
waterlicpen  sloten  meren   
 stromende wateren  zand-, grind- en kleigaten   
 kouden

Clusterium gracile



Fytoplankton : Conjugatophyceae (Ijukwieren)

Closterium prorum



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

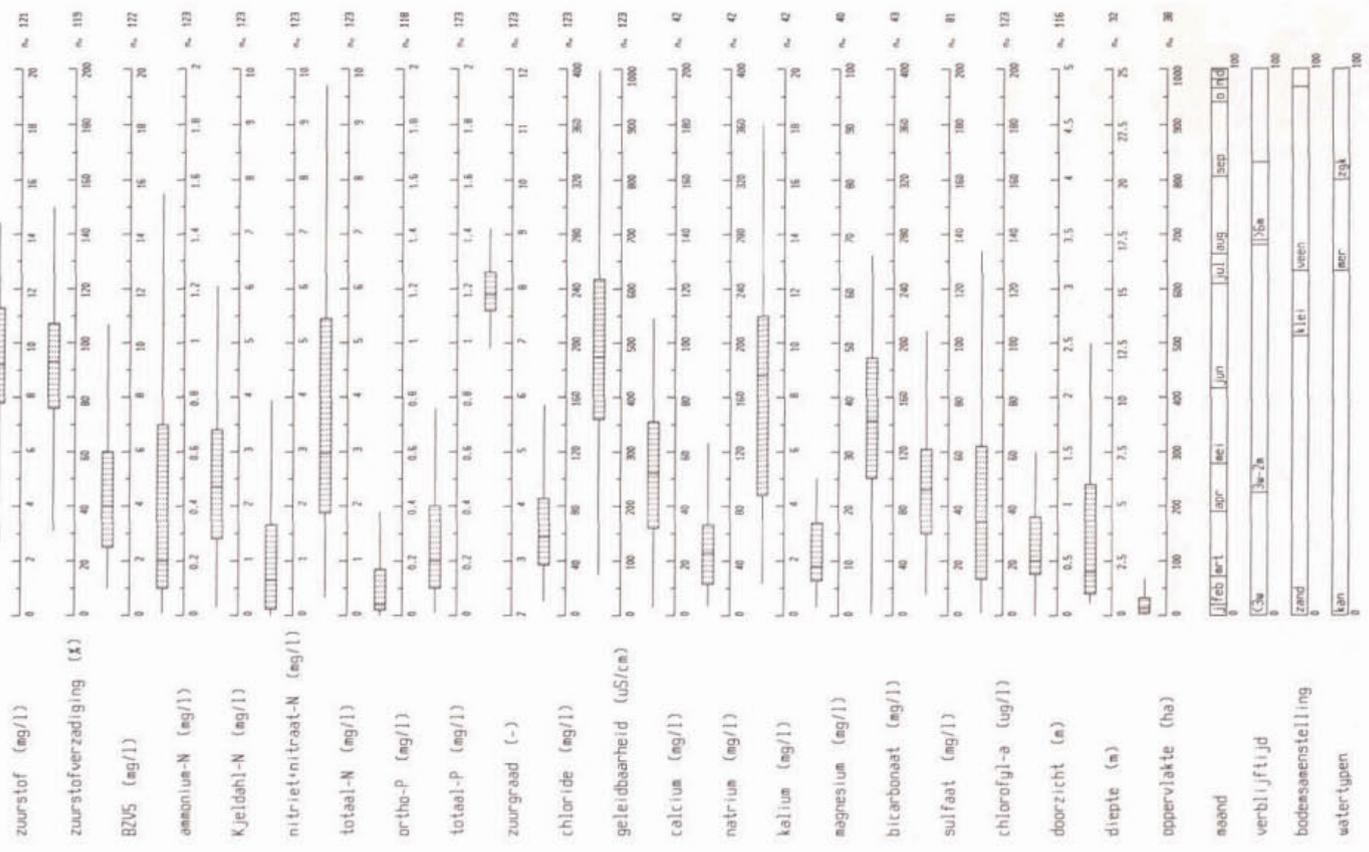


Eco-atlas van waterorganismen

Closterium prorum

vangsten : 125  sloten  meren  
 locaties : 59  stromende wateren  zand-, grind- en kleigaten  
 hokken : 56  kanalen

Closterium prorum



Fytoplankton : Conjugatophyceae (Iukwieren)

**Closterium rostratum**



abundantie-klasse  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

**Closterium rostratum**

vangsten : 21  
 locaties : 18  
 holken : 17

watertypen  
 □ meren  
 □ stromende wateren  
 □ strand-, gracht- en kleigaten



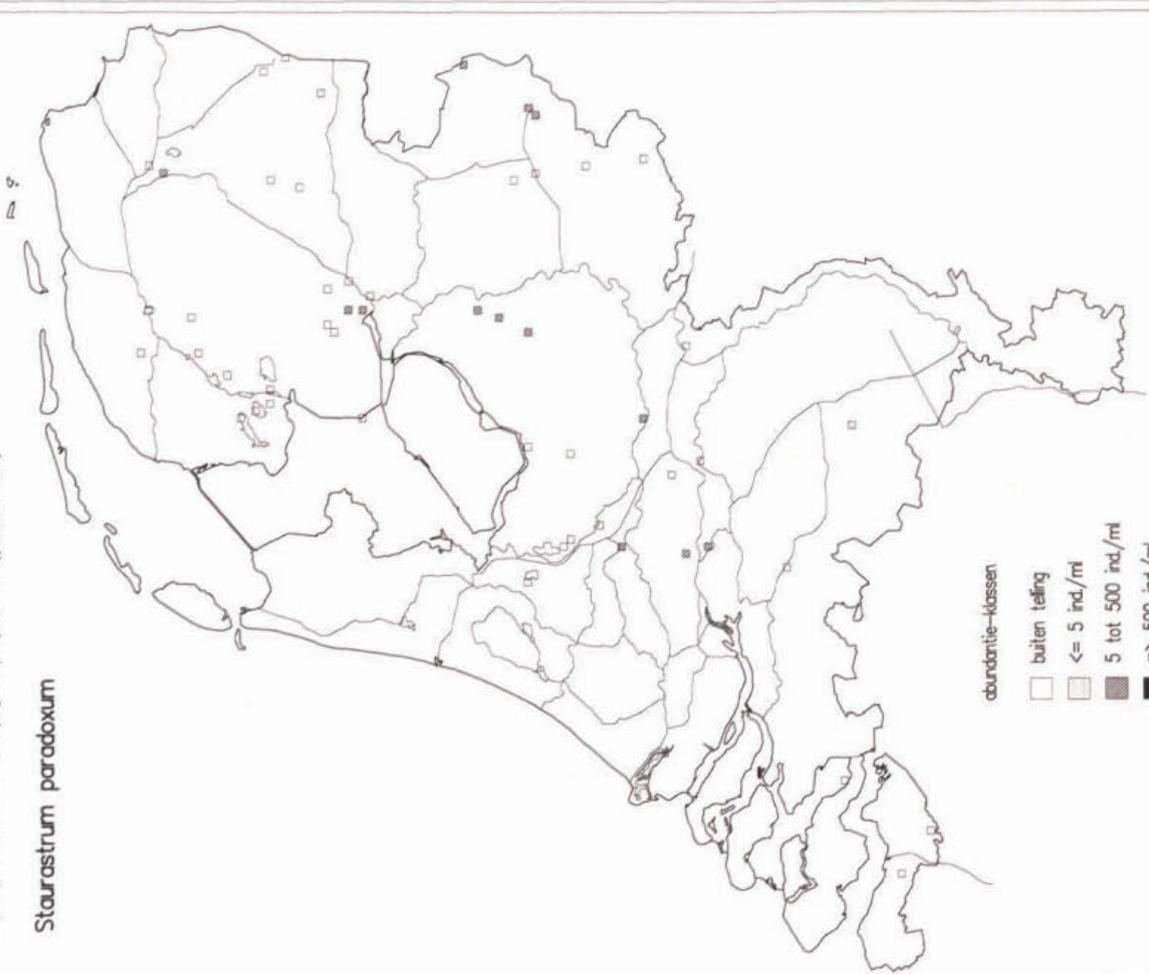
Eco-atlas van waterorganismen

**Closterium rostratum**

zuurstof (mg/l)	0 2 4 6 8 10 12 14 16 18 20 22 24
zuurstofverzadiging (%)	0 20 40 60 80 100 120 140 160 180 200
BZV5 (mg/l)	0 2 4 6 8 10 12 14 16 18 20 22 24
ammonium-N (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4
Kjeldahl-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
nitriet/nitraat-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
totaal-N (mg/l)	0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200
ortho-P (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4
totaal-P (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4
zuurgraad (-)	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
chloride (mg/l)	0 40 80 120 160 200 240 280 320 360 400 440 480 520 560 600 640 680 720 760 800 840 880 920 960 1000
spierdichtheid (uS/cm)	0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000
calcium (mg/l)	0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000
natrium (mg/l)	0 40 80 120 160 200 240 280 320 360 400 440 480 520 560 600 640 680 720 760 800 840 880 920 960 1000
kalium (mg/l)	0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100
magnesium (mg/l)	0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000
bicarbonaat (mg/l)	0 40 80 120 160 200 240 280 320 360 400 440 480 520 560 600 640 680 720 760 800 840 880 920 960 1000
sulfaat (mg/l)	0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600 620 640 660 680 700 720 740 760 780 800 820 840 860 880 900 920 940 960 980 1000
chlorofyl-a (µg/l)	0 40 80 120 160 200 240 280 320 360 400 440 480 520 560 600 640 680 720 760 800 840 880 920 960 1000
doorzicht (m)	0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 5.5 6 6.5 7 7.5 8 8.5 9 9.5 10 10.5 11 11.5 12 12.5 13 13.5 14 14.5 15 15.5 16 16.5 17 17.5 18 18.5 19 19.5 20 20.5 21 21.5 22 22.5 23 23.5 24 24.5 25 25.5 26 26.5 27 27.5 28 28.5 29 29.5 30 30.5 31 31.5 32 32.5 33 33.5 34 34.5 35 35.5 36 36.5 37 37.5 38 38.5 39 39.5 40 40.5 41 41.5 42 42.5 43 43.5 44 44.5 45 45.5 46 46.5 47 47.5 48 48.5 49 49.5 50 50.5 51 51.5 52 52.5 53 53.5 54 54.5 55 55.5 56 56.5 57 57.5 58 58.5 59 59.5 60 60.5 61 61.5 62 62.5 63 63.5 64 64.5 65 65.5 66 66.5 67 67.5 68 68.5 69 69.5 70 70.5 71 71.5 72 72.5 73 73.5 74 74.5 75 75.5 76 76.5 77 77.5 78 78.5 79 79.5 80 80.5 81 81.5 82 82.5 83 83.5 84 84.5 85 85.5 86 86.5 87 87.5 88 88.5 89 89.5 90 90.5 91 91.5 92 92.5 93 93.5 94 94.5 95 95.5 96 96.5 97 97.5 98 98.5 99 99.5 100
diepte (m)	0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25 27.5 30 32.5 35 37.5 40 42.5 45 47.5 50 52.5 55 57.5 60 62.5 65 67.5 70 72.5 75 77.5 80 82.5 85 87.5 90 92.5 95 97.5 100
oppervlakte (ha)	0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000
naam	feb.   apr.   jun.   aug.   sep.
verblijftijd	0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25 27.5 30 32.5 35 37.5 40 42.5 45 47.5 50 52.5 55 57.5 60 62.5 65 67.5 70 72.5 75 77.5 80 82.5 85 87.5 90 92.5 95 97.5 100
bodassementering	0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000
watertypen	0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000

Fytoplankton : Conjugatophyceae (Iukwieren)

Staurastrum paradoxum



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 □ ≥ 500 ind./ml



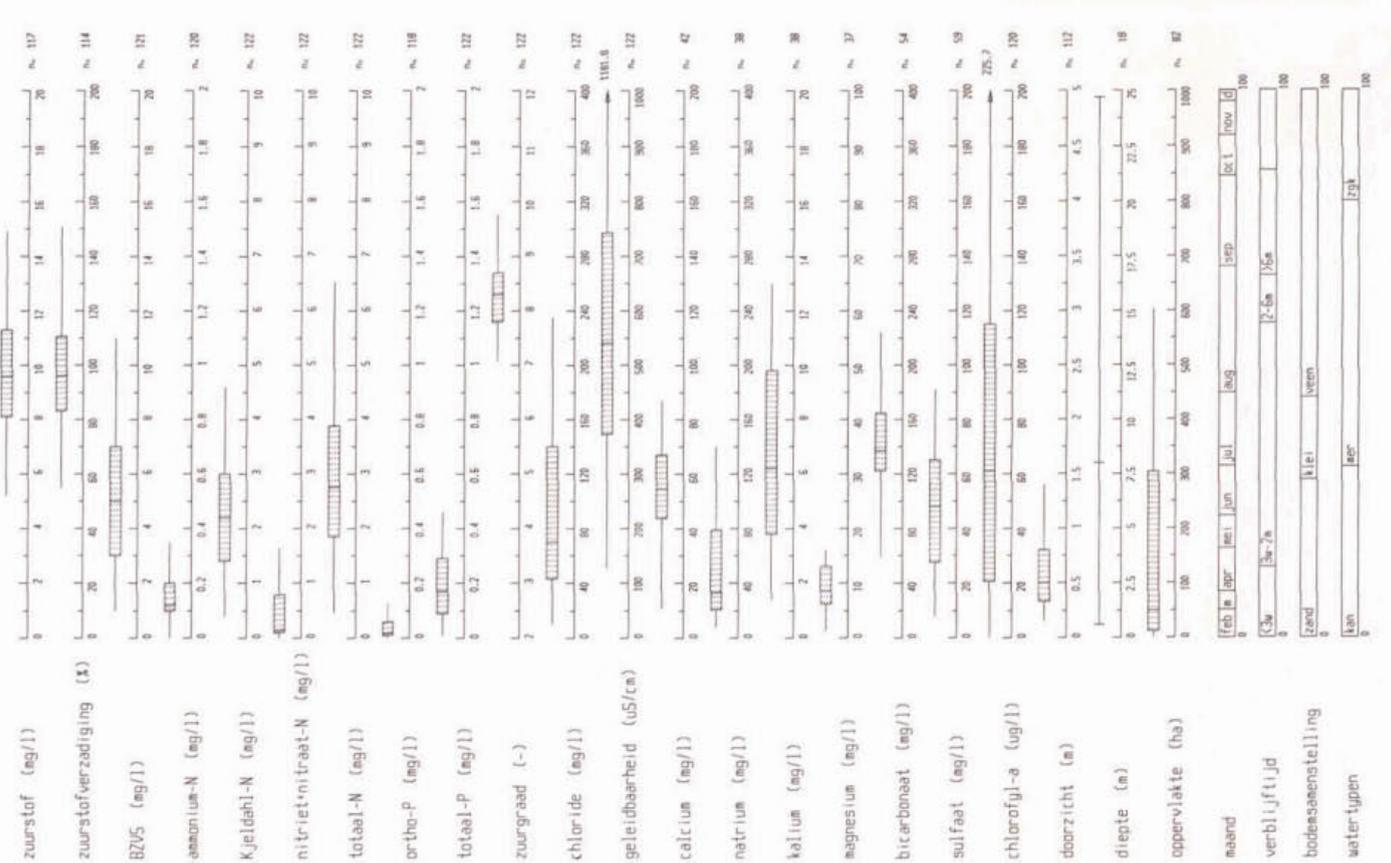
Eco-atlas van waterorganismen

Staurastrum paradoxum

vangsten : 125  
 locaties : 55  
 hakken : 53

watertypen  
 sloten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

Staurastrum paradoxum



feb | mar | apr | mei | jun | jul | aug | sep | okt | nov | dec

0 20 40 60 80 100 120 140 160 180 200

0 2 4 6 8 10 12 14 16 18 20

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

0 1 2 3 4 5 6 7 8 9 10

0 1 2 3 4 5 6 7 8 9 10

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

0 2 3 4 5 6 7 8 9 10 11 12

0 40 80 120 160 200 240 280 320 360 400

0 100 200 300 400 500 600 800 1000

0 20 40 60 80 100 120 140 160 180 200

0 40 80 120 160 200 240 280 320 360 400

0 2 4 6 8 10 12 14 16 18 20

0 10 20 30 40 50 60 70 80 90 100

0 40 80 120 160 200 240 280 320 360 400

0 20 40 60 80 100 120 140 160 180 200

0 20 40 60 80 100 120 140 160 180 200

0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25

0 100 200 300 400 500 600 700 800 900 1000

0 100 200 300 400 500 600 700 800 900 1000

0 100 200 300 400 500 600 700 800 900 1000

0 100 200 300 400 500 600 700 800 900 1000

Fytoplankton : Conjugatophyceae (jukwieren)

**Staurastrum tetrocerum**



abundantie-klassen  
 buiten telling  
 <= 5 ind./m  
 5 tot 500 ind./m  
 >= 500 ind./m

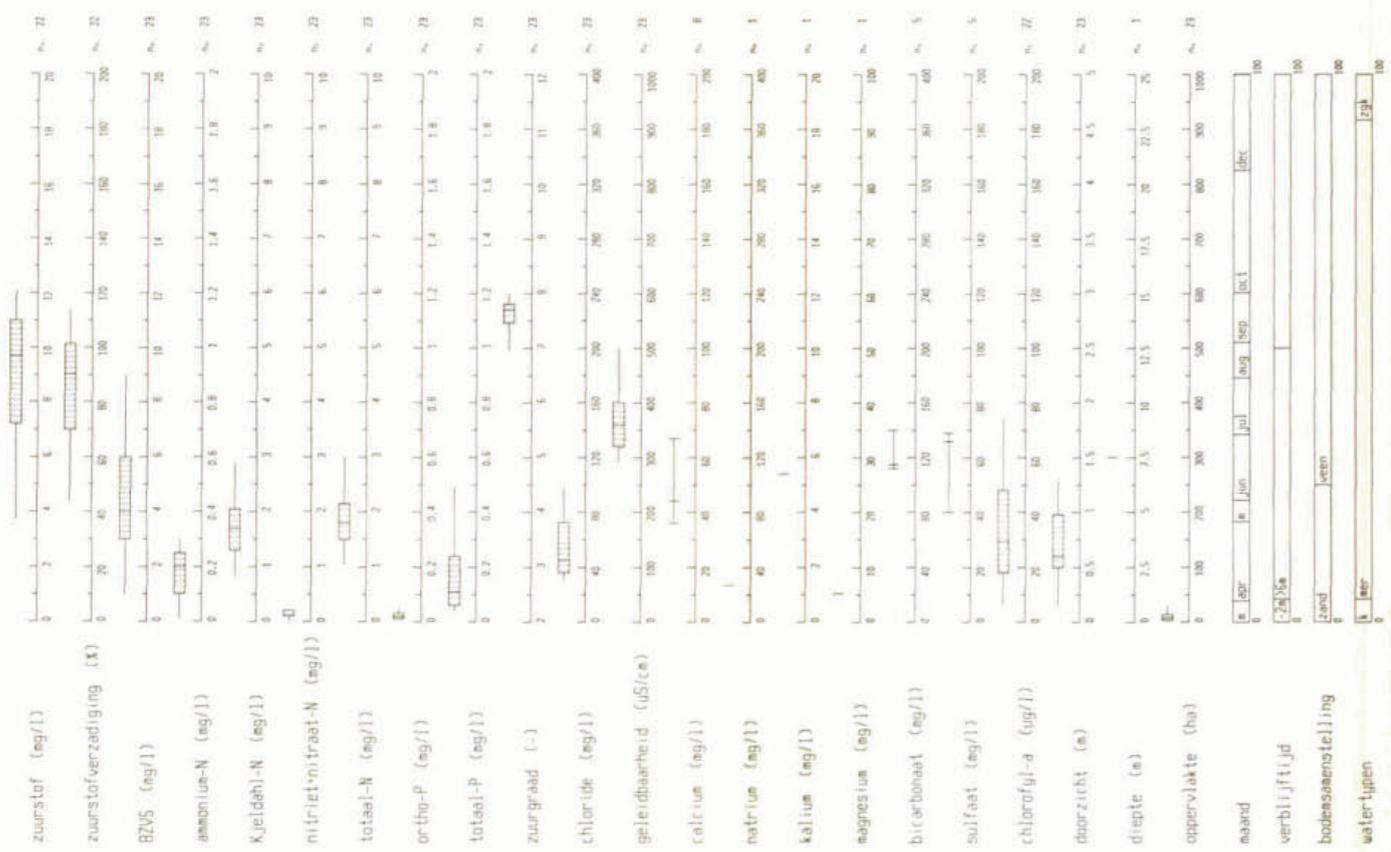
**stowa**  
 Eco-atlas van waterorganismen

**Staurastrum tetrocerum**

vangsten : 24  
 locaties : 9  
 hokken : 8

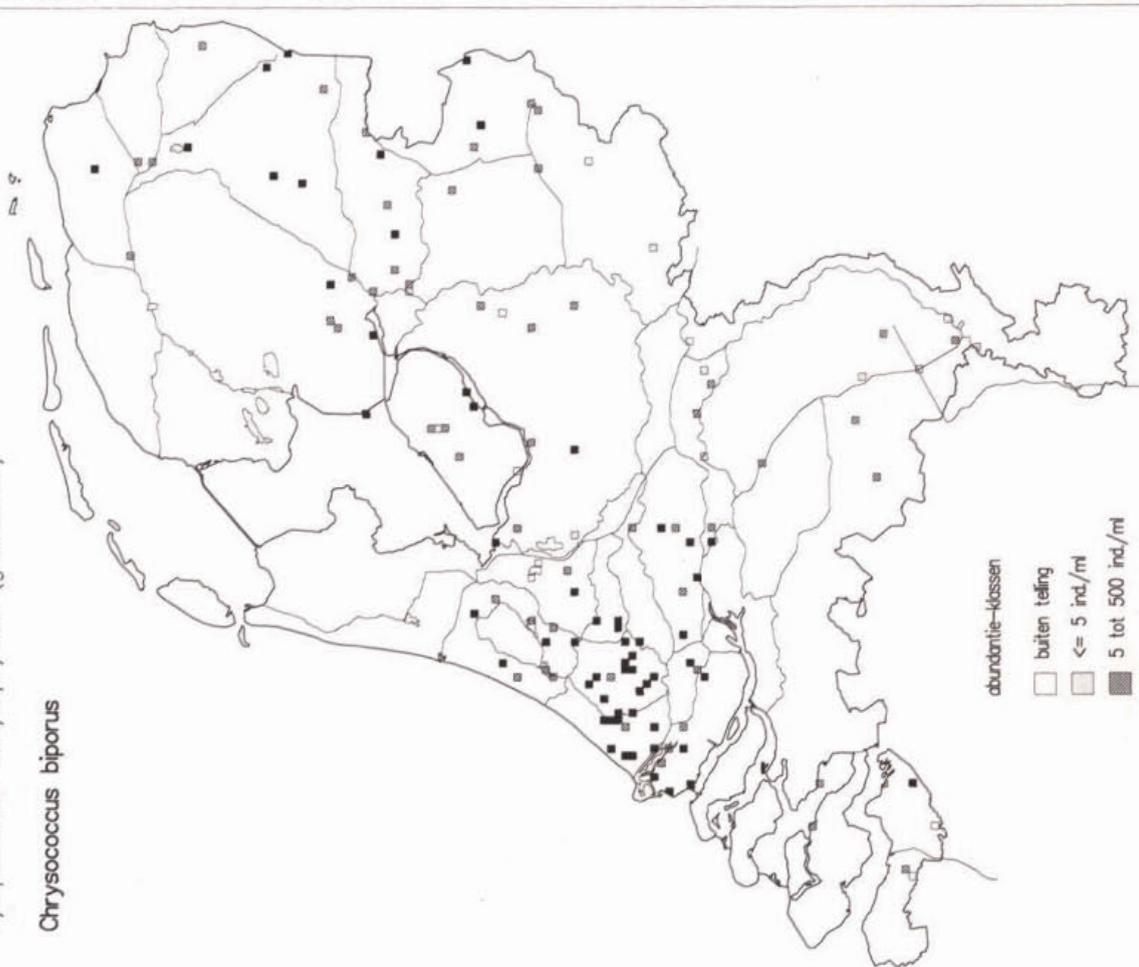
watertypen  
 sloten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen

**Staurastrum tetrocerum**



Fytoplankton : Chrysophyceae (goudwieren)

**Chrysococcus biporus**

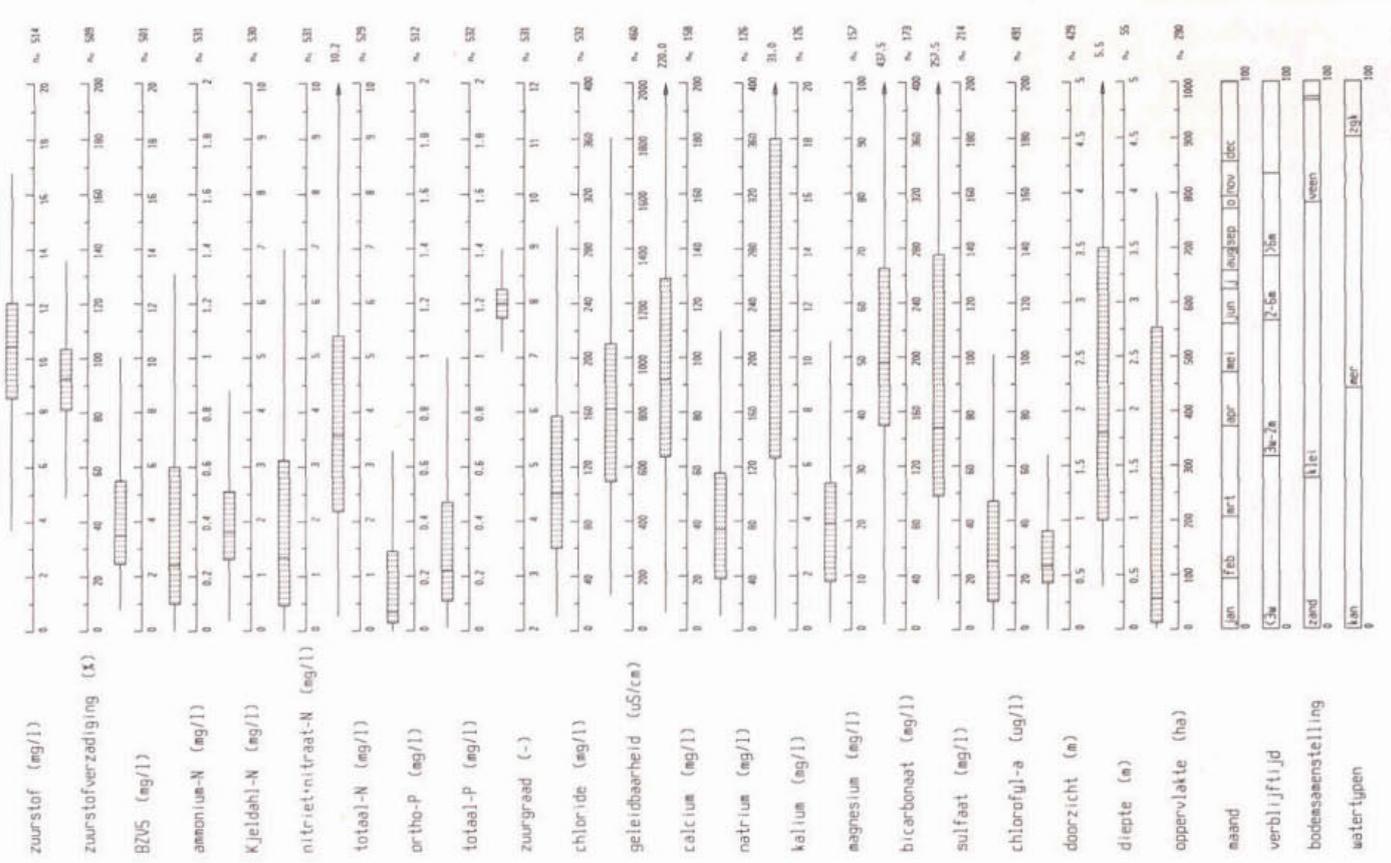


**stowa**  
Eco-atlas van waterorganismen

**Chrysococcus biporus**  
 vangsten : 544  
 locaties : 137  
 hokken : 131

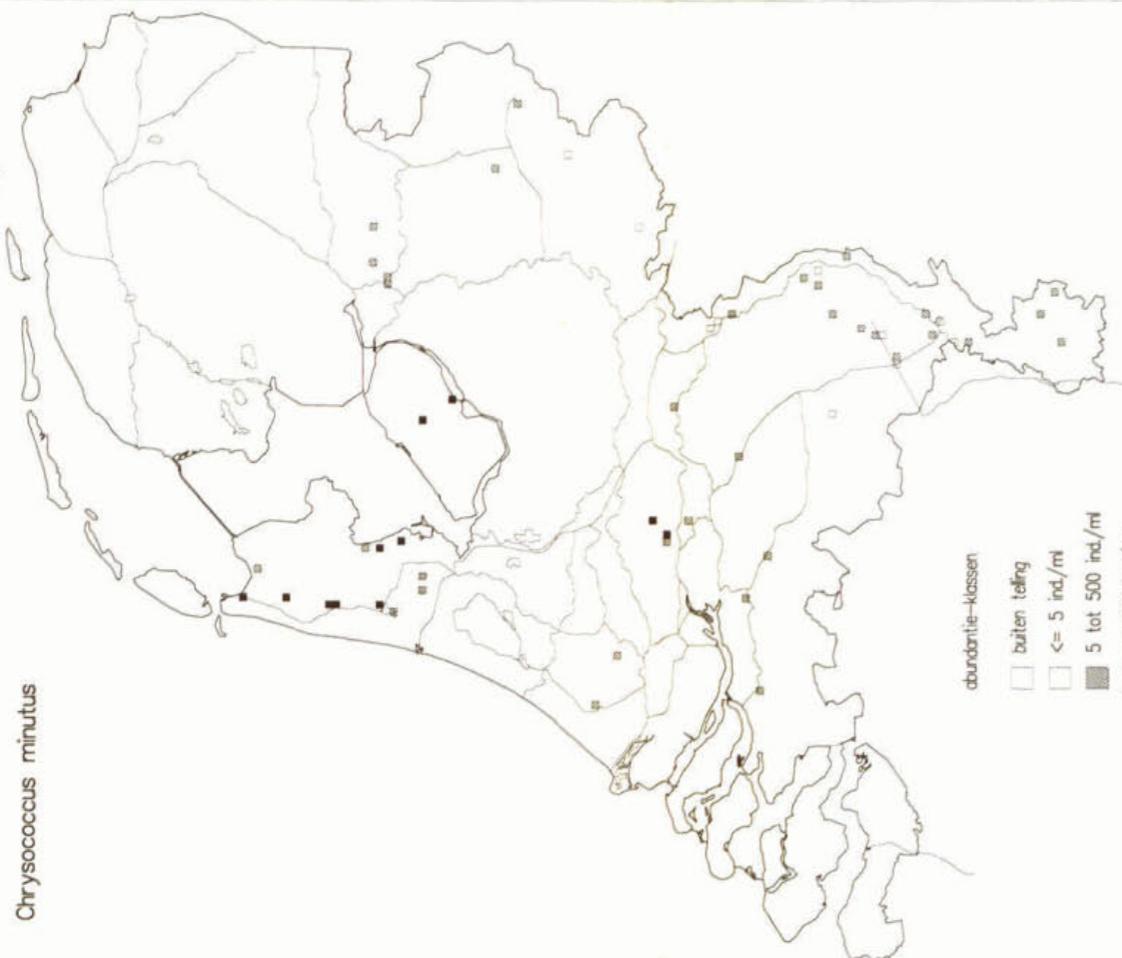
water-typen  
 sloten  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen  
 meren

**Chrysococcus biporus**



Fytoplankton : Chrysophyceae (goudwieren)

Chrysococcus minutus



abundantie-klassen

□ buiten telling

□ ≤ 5 ind./ml

■ 5 tot 500 ind./ml

■ => 500 ind./ml

Chrysococcus minutus

vangsten : 122

localities : 59

hoeken : 57

watertypen

sköten

meren

stromende wateren

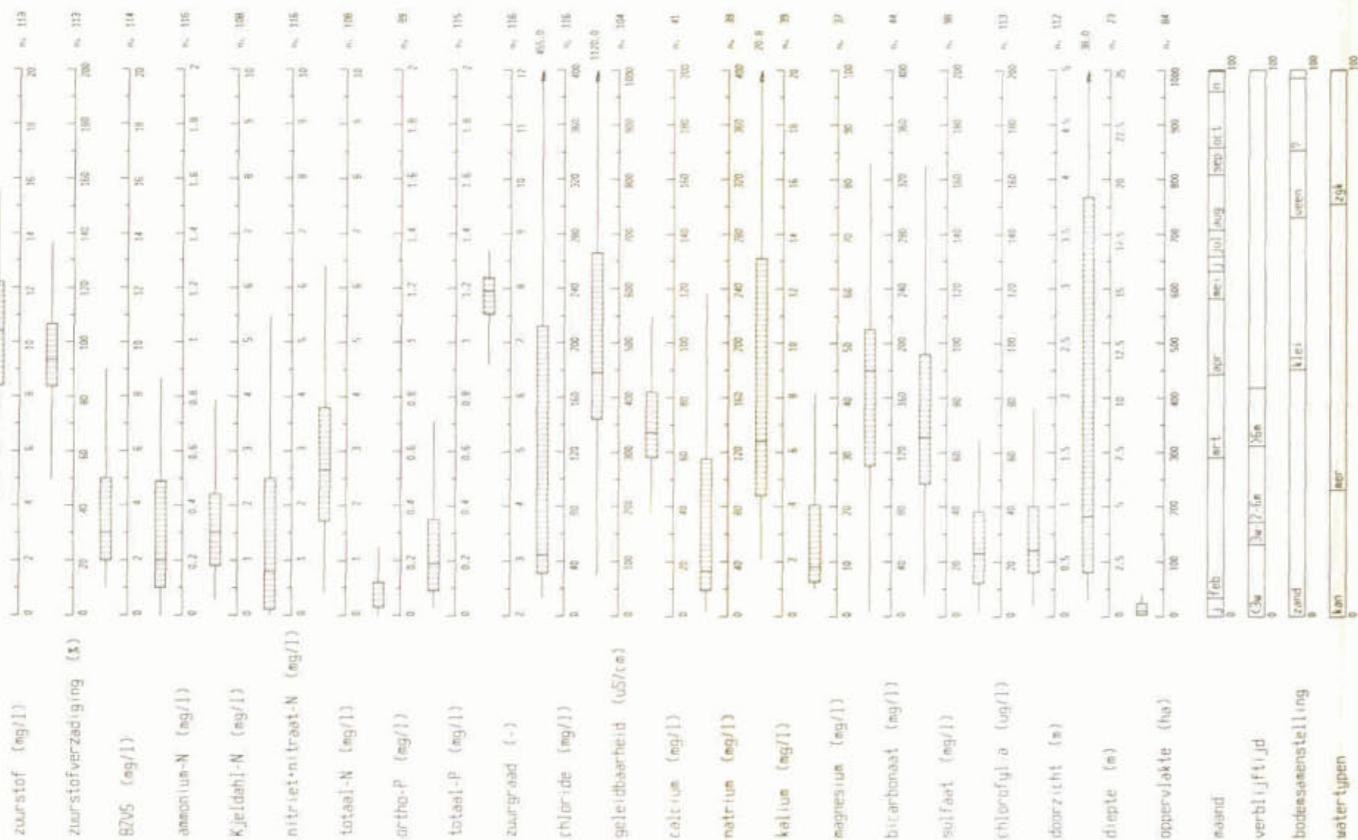
zand-, grind- en kleigaten

hoeken

**stowa**

Eco-atlas van waterorganismen

Chrysococcus minutus



maand

verblijftijd

bodesaansluiting

watertypen

zand

klei

meren

sköten

meertalig

meertalig

meertalig

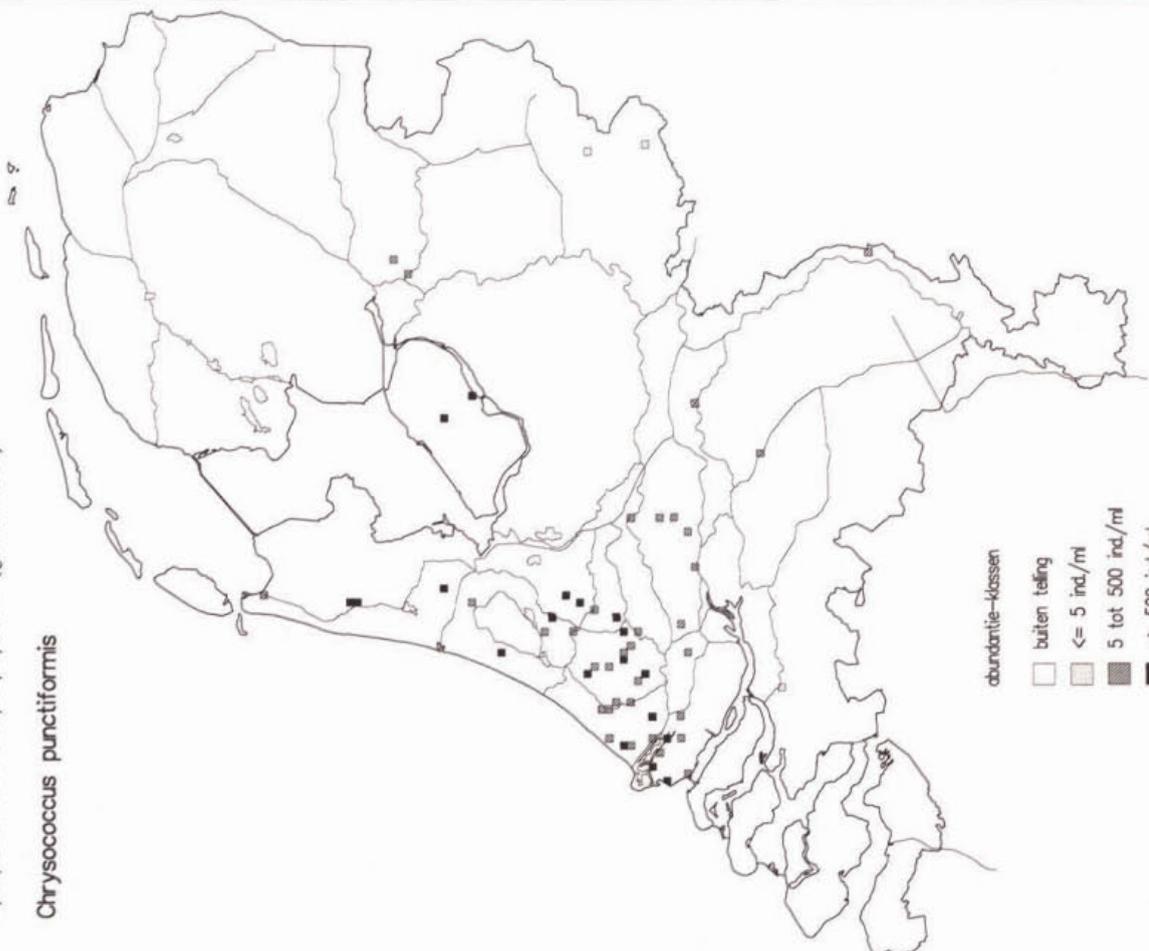
meertalig

meertalig

meertalig

meertalig

Fytoplankton : Chrysophyceae (goudwieren)  
**Chrysococcus punctiformis**



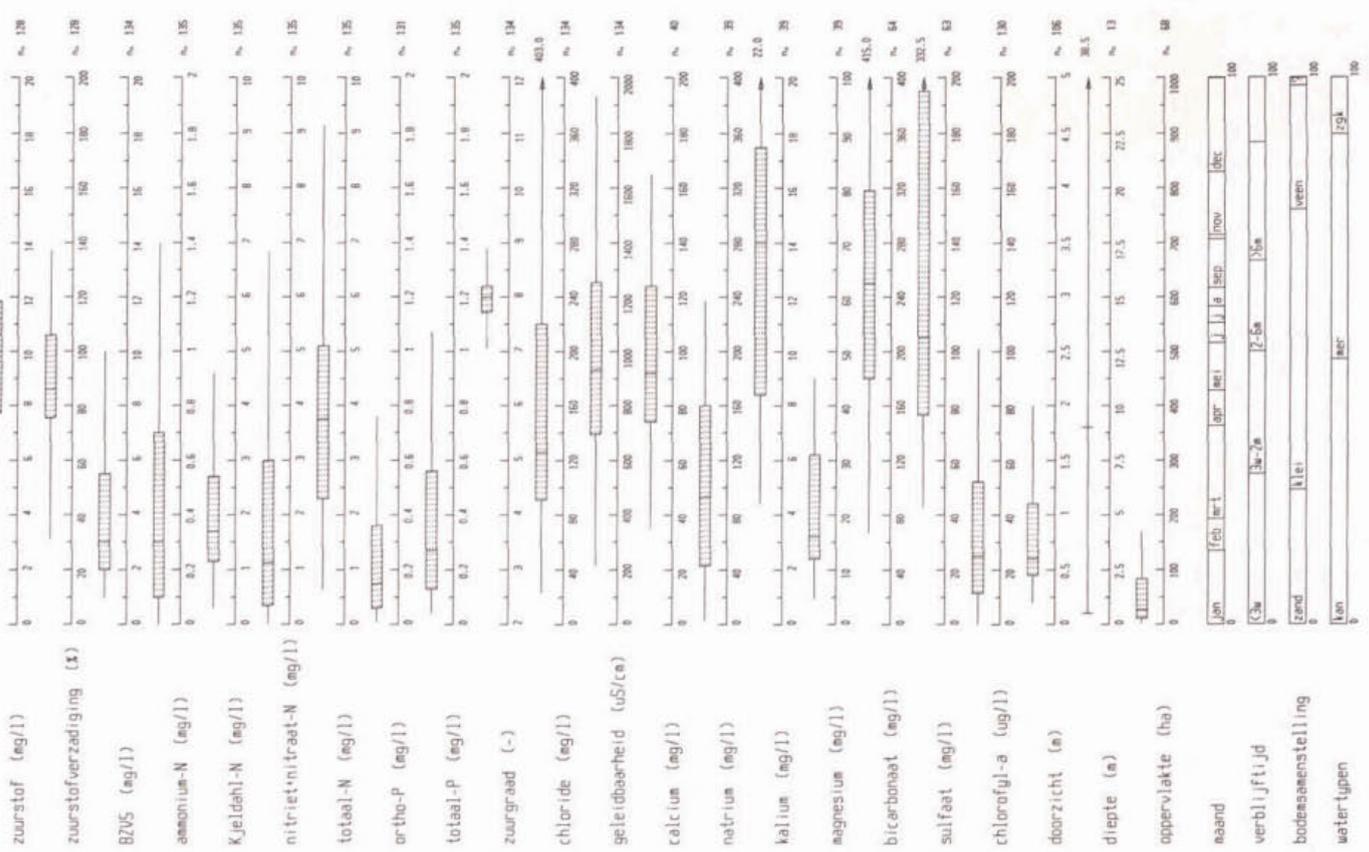
**stowa**  
 Eco-atlas van waterorganismen

**Chrysococcus punctiformis**

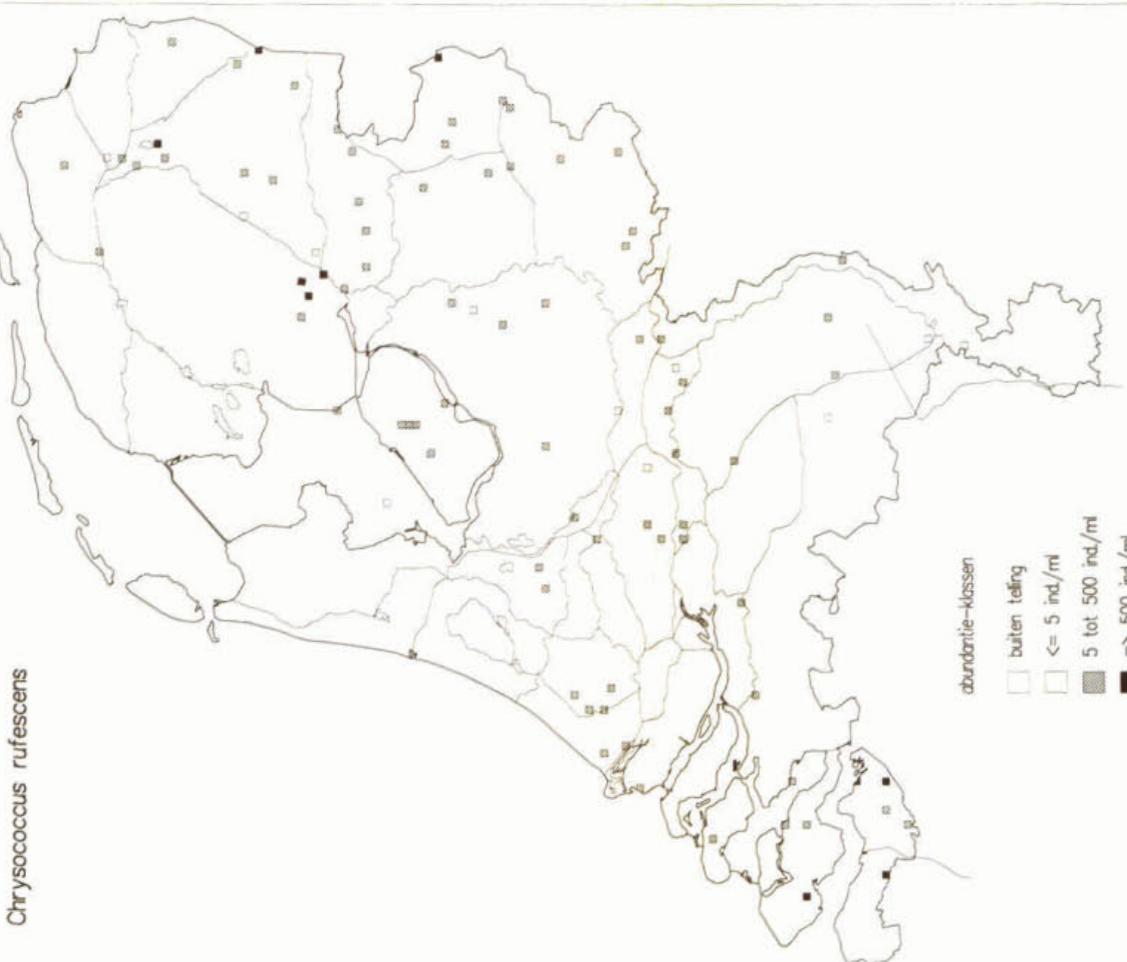
vangsten : 138  
 locaties : 58  
 hokken : 57

watertypen  
 sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

**Chrysococcus punctiformis**



Fytoplankton : Chrysophyceae (goudwieren)  
**Chrysococcus rufescens**



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

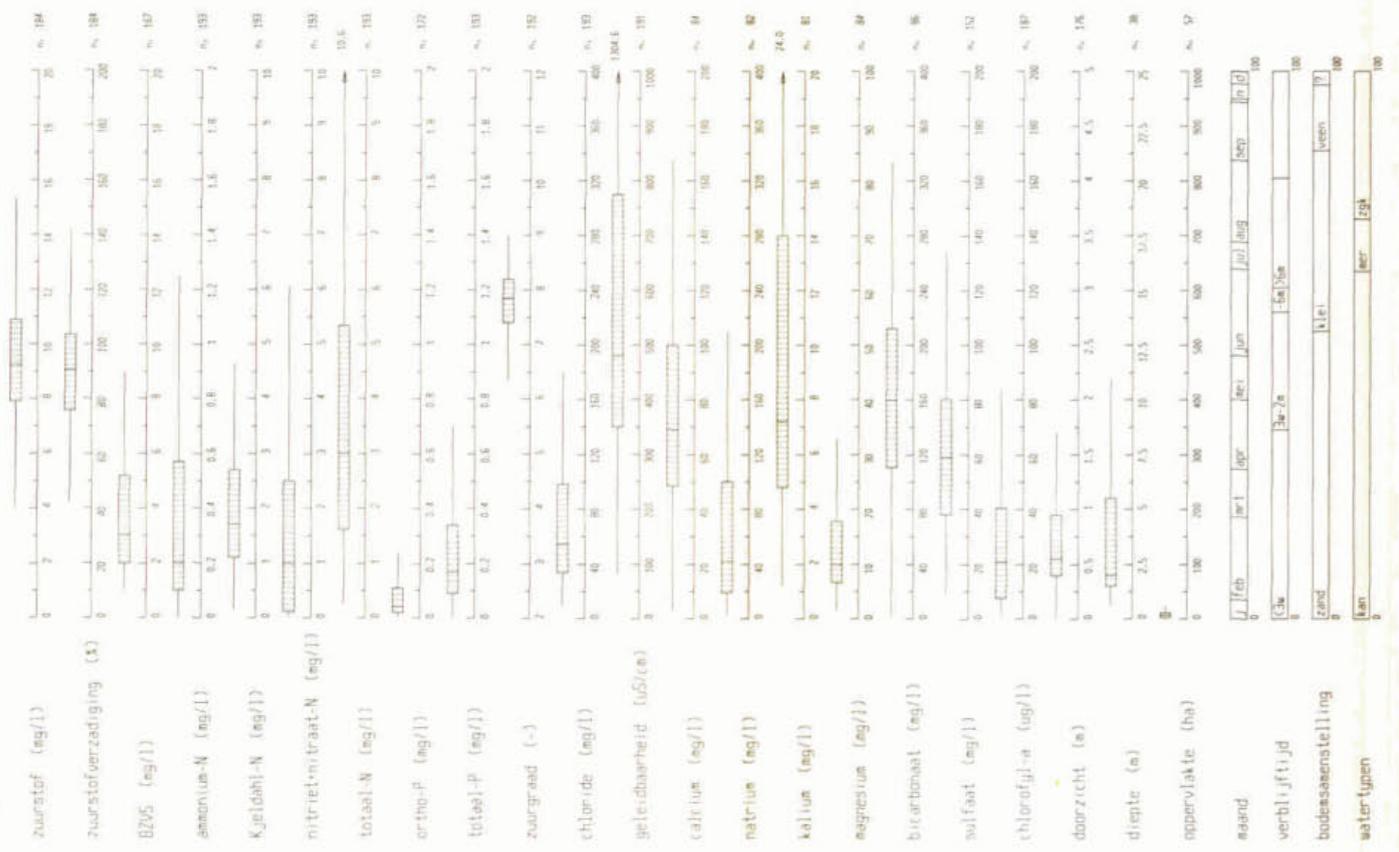
**stowa**  
 Eco-atlas van waterorganismen

**Chrysococcus rufescens**

vangsten : 200  
 locaties : 96  
 hoekjes : 91

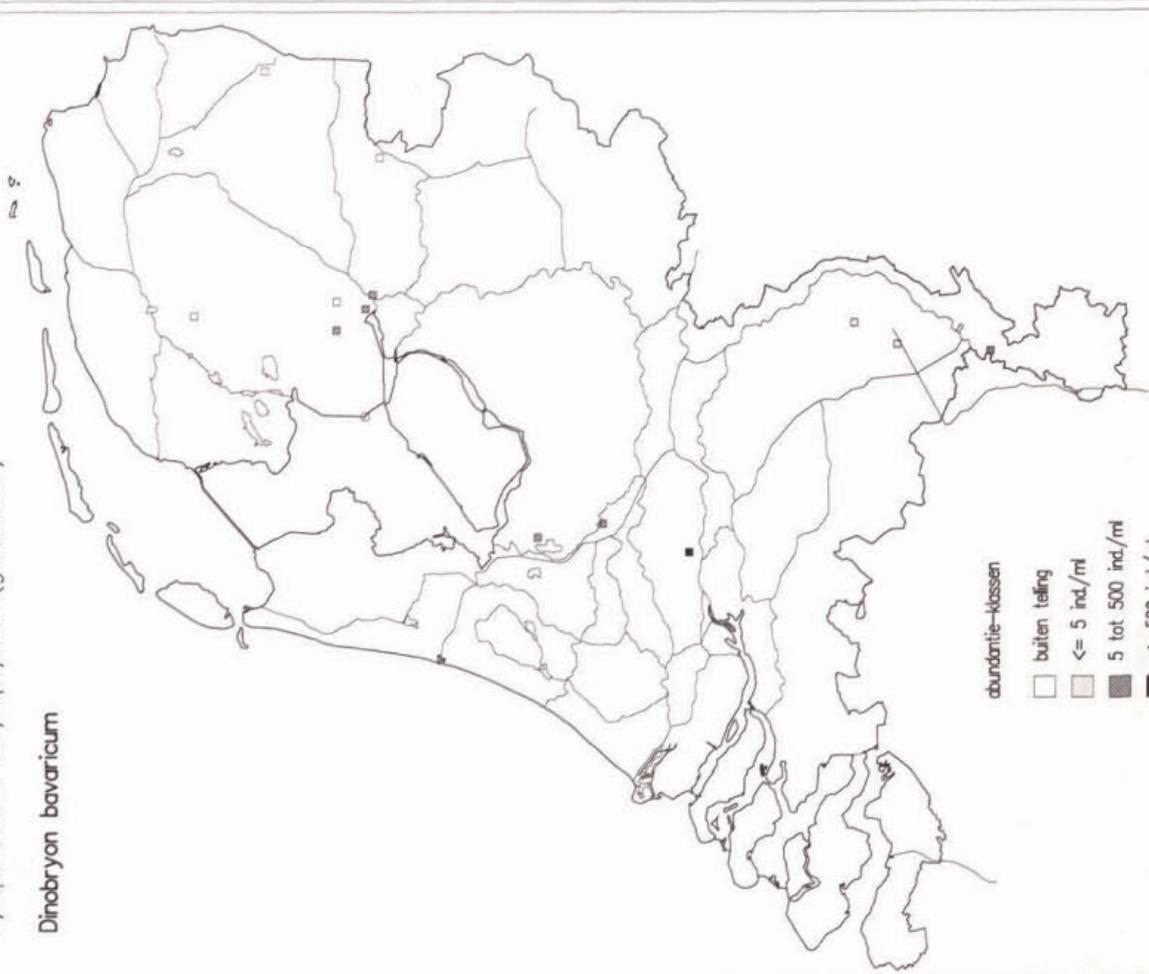
watertypen  
 slakten  
 stromende wateren  
 zand-, grind- en kleigaten

**Chrysococcus rufescens**



Fytoplankton : Chrysophyceae (goudwieren)

Dinobryon bavaricum



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml



Eco-atlas van waterorganismen

Dinobryon bavaricum

vangsten : 20  
 locaties : 14  
 hokken : 14

waterkwaliteit  
 sloten  
 stromende wateren  
 kanden

meren  
 zand-, grind- en kleigaten

Dinobryon bavaricum

zuurstof (mg/l)	0 2 4 6 8 10 12 14 16 18 20	0 20 40 60 80 100 120 140 160 180 200	0 20
zuurstofverzadiging (%)	0 2 4 6 8 10 12 14 16 18 20	0 20 40 60 80 100 120 140 160 180 200	0 20
BZVS (mg/l)	0 2 4 6 8 10 12 14 16 18 20	0 20 40 60 80 100 120 140 160 180 200	0 20
ammonium-N (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 20
Kjeldahl-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10 11 12	0 1 2 3 4 5 6 7 8 9 10 11 12	0 20
nitriet+nitraat-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10 11 12	0 1 2 3 4 5 6 7 8 9 10 11 12	0 20
totaal-N (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 20
ortho-P (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	0 20
totaal-P (mg/l)	0 2 3 4 5 6 7 8 9 10 11 12	0 2 3 4 5 6 7 8 9 10 11 12	0 20
zuurgraad (-)	0 40 60 80 100 120 140 160 180 200	0 40 60 80 100 120 140 160 180 200	0 20
chloride (mg/l)	0 20 40 60 80 100 120 140 160 180 200	0 20 40 60 80 100 120 140 160 180 200	0 20
geleidelijkheid (uS/cm)	0 200 400 600 800 1000 1200 1400 1600 1800 2000	0 200 400 600 800 1000 1200 1400 1600 1800 2000	0 20
calcium (mg/l)	0 20 40 60 80 100 120 140 160 180 200	0 20 40 60 80 100 120 140 160 180 200	0 20
natrium (mg/l)	0 40 80 120 160 200 240 280 320 360 400	0 40 80 120 160 200 240 280 320 360 400	0 20
kalium (mg/l)	0 2 4 6 8 10 12 14 16 18 20	0 2 4 6 8 10 12 14 16 18 20	0 20
magnesium (mg/l)	0 10 20 30 40 50 60 70 80 90 100	0 10 20 30 40 50 60 70 80 90 100	0 20
bicarbonaat (mg/l)	0 40 80 120 160 200 240 280 320 360 400	0 40 80 120 160 200 240 280 320 360 400	0 20
sulfaat (mg/l)	0 40 80 120 160 200 240 280 320 360 400	0 40 80 120 160 200 240 280 320 360 400	0 20
chlorofyl-a (ug/l)	0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5	0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5	0 20
doorzicht (m)	0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25	0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25	0 20
diepte (m)	0 100 200 300 400 500 600 700 800 900 1000	0 100 200 300 400 500 600 700 800 900 1000	0 20
oppervlakte (ha)	0 100 200 300 400 500 600 700 800 900 1000	0 100 200 300 400 500 600 700 800 900 1000	0 20
maand	feb   mar   apr   mei   jun   jul   aug   sep   okt   nov   dec		
verbliftijd	0 100 200 300 400 500 600 700 800 900 1000		
bodeminstelling	0 100 200 300 400 500 600 700 800 900 1000		
watertypen	0 100 200 300 400 500 600 700 800 900 1000		

Fytoplankton : Chrysophyceae (goudwieren)

Dinobryon divergens



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

Dinobryon divergens

vangsten : 122  
 locaties : 66  
 hokken : 63

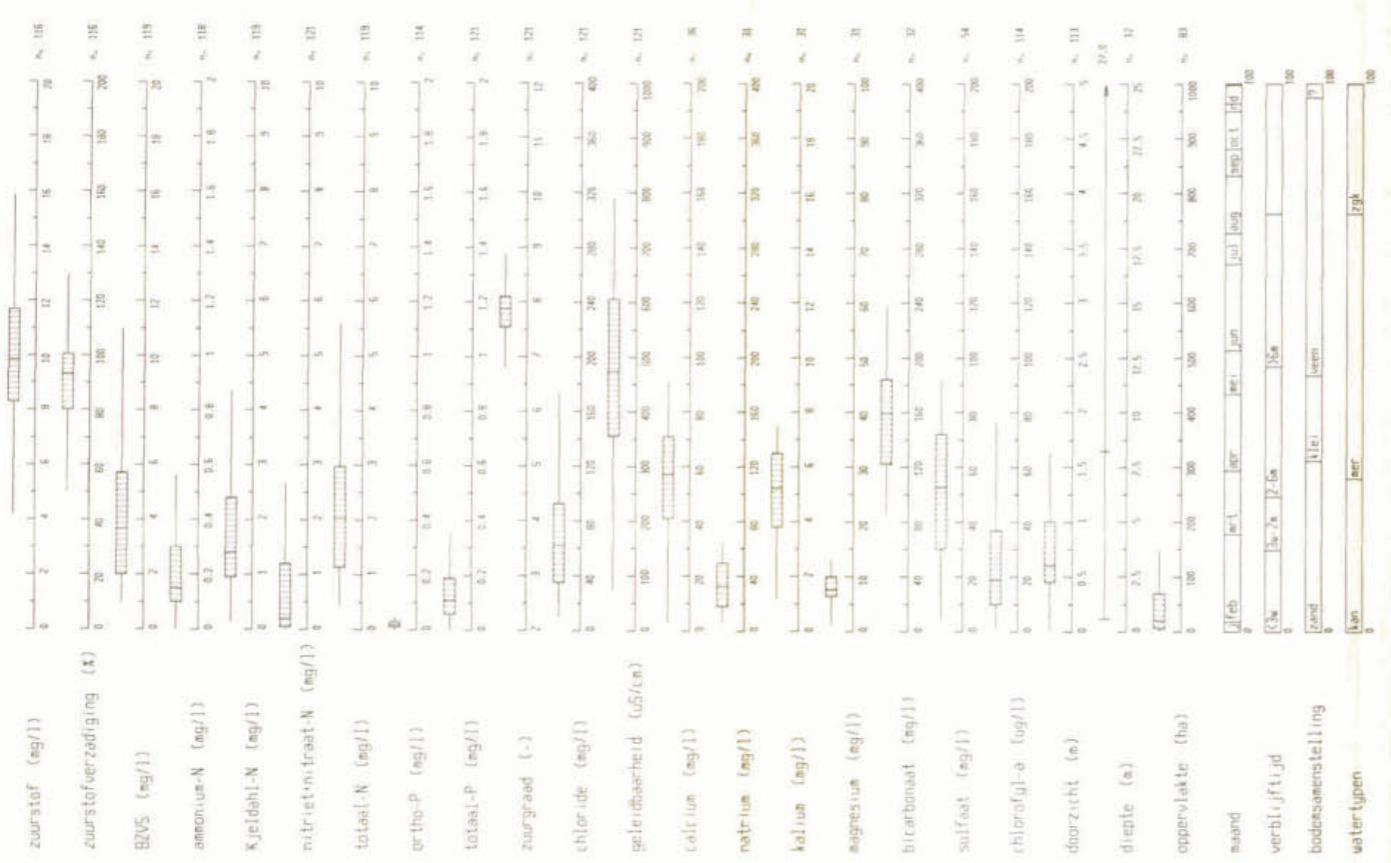
watertypen  
 akten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten



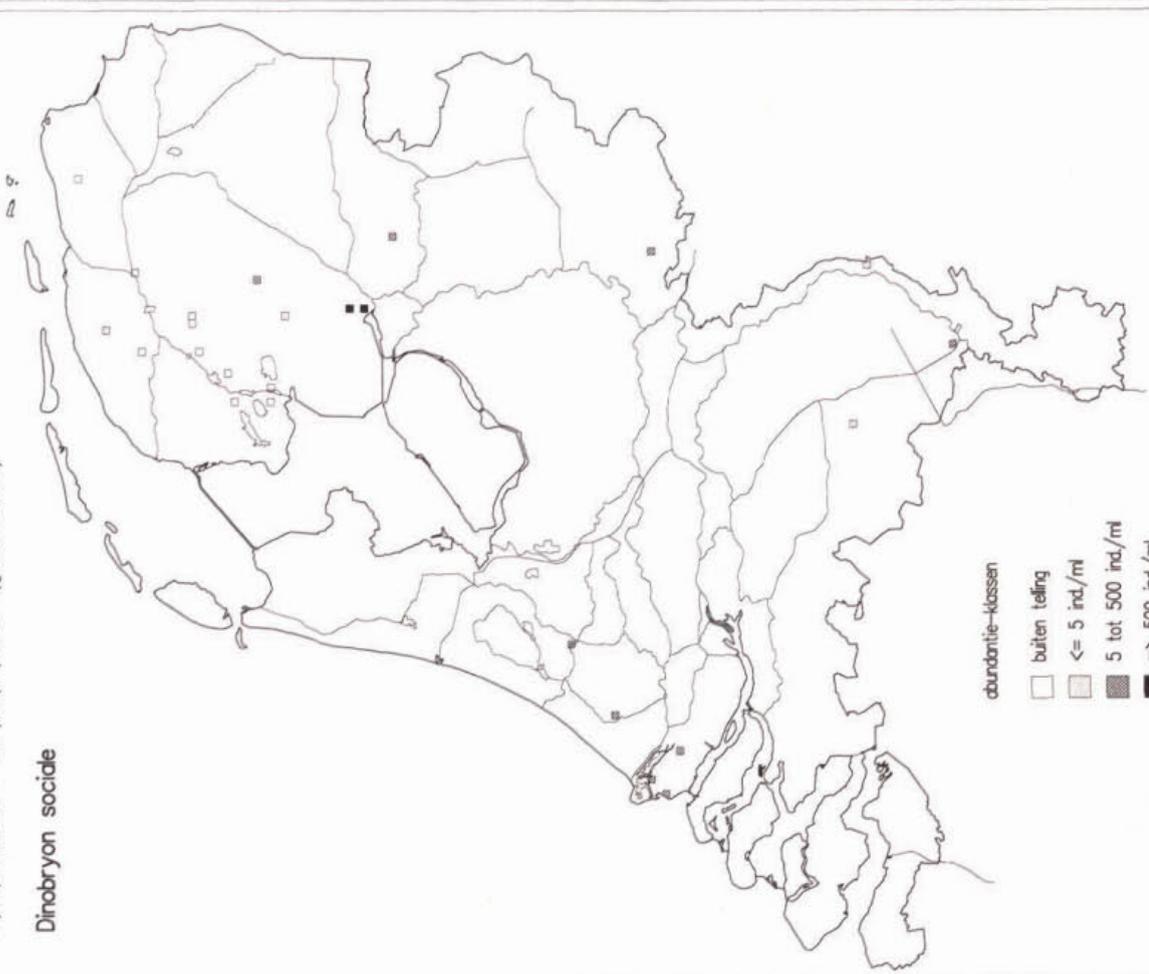
Eco-atlas van waterorganismen

Dinobryon divergens

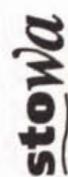


Fytoplankton : Chrysophyceae (goudwieren)

Dinobryon sociale



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./m  
 □ 5 tot 500 ind./m  
 □ ≥ 500 ind./m



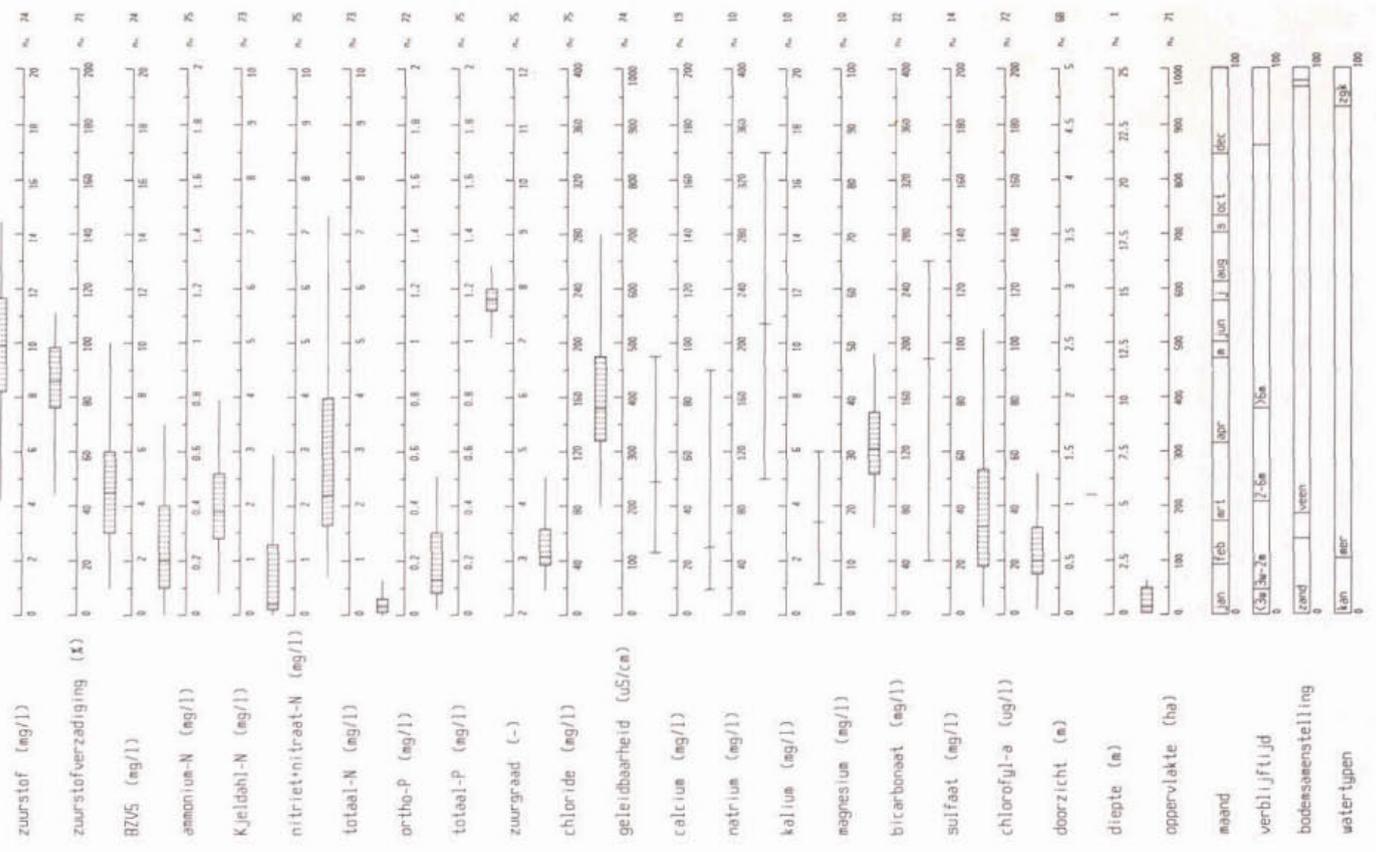
Eco-atlas van waterorganismen

Dinobryon sociale

vangsten : 87  
 locaties : 27  
 hekken : 26

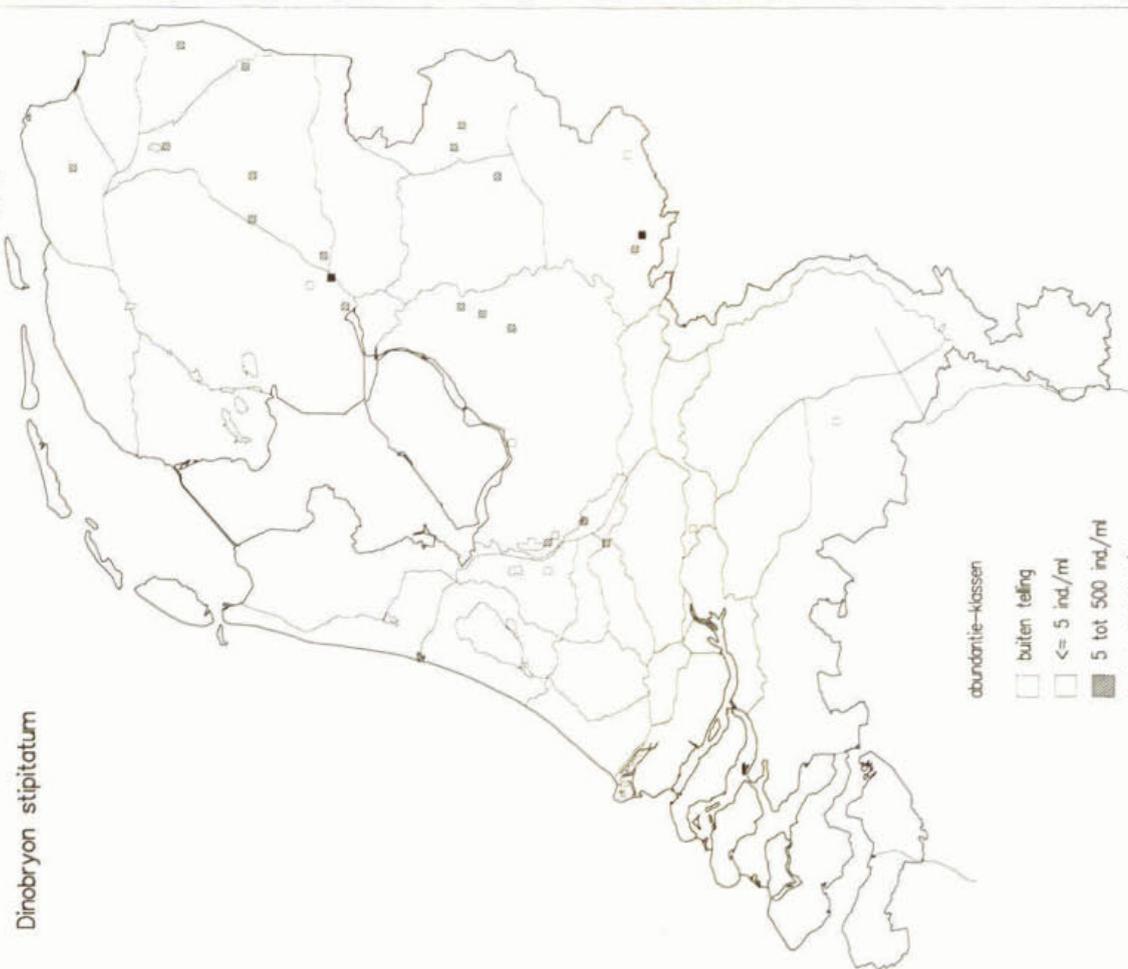
watertypen  
 sloten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

Dinobryon sociale



Fytoplankton : Chrysophyceae (goudwieren)

Dinobryon stipitatum



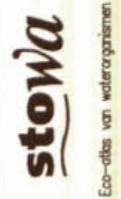
abundantie-klassen

- buiten telling
- ≤ 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

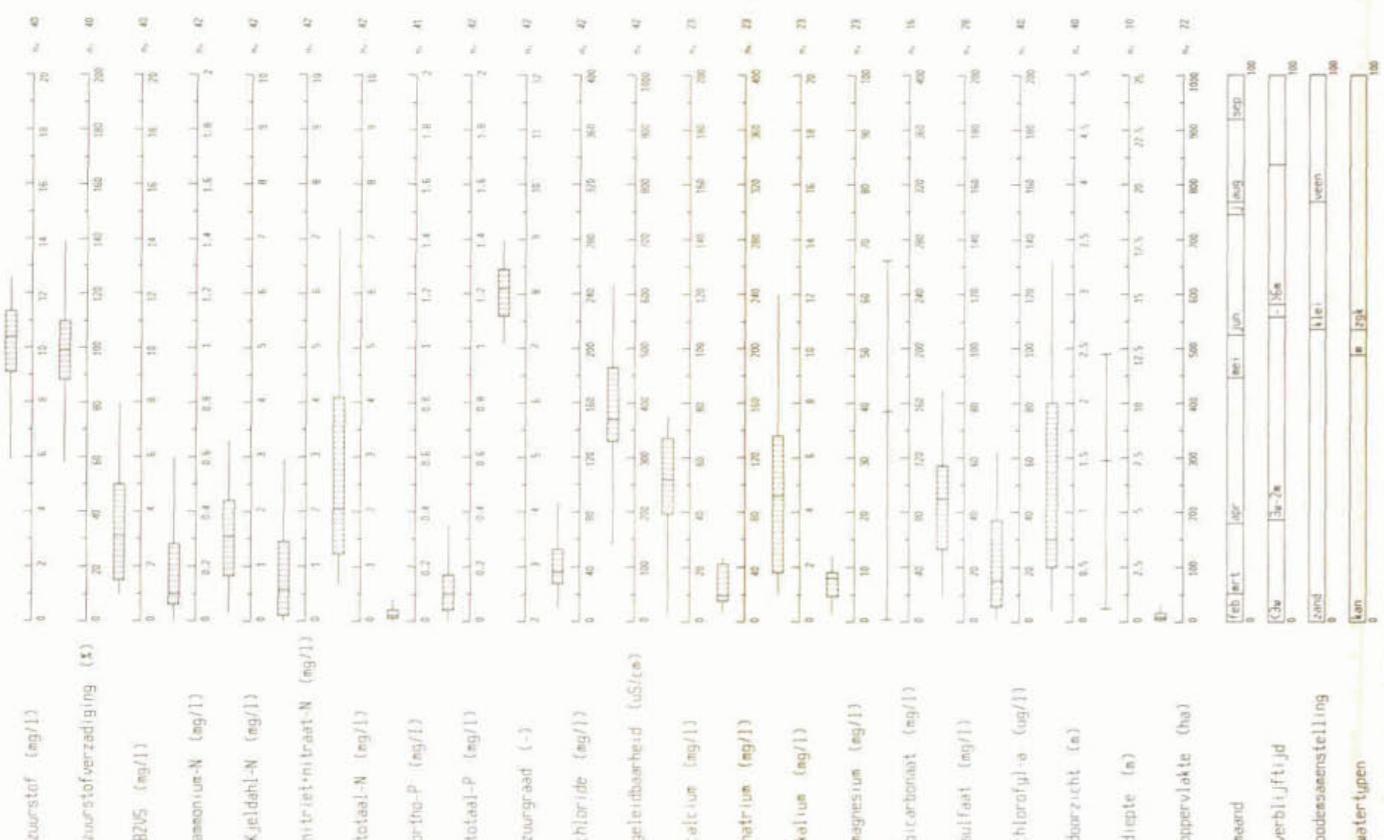
Dinobryon stipitatum

vangsten : 43  
 localities : 29  
 hobben : 28

water-typen  
 □ abioten  
 □ stromende wateren  
 □ landen  
 □ meren  
 □ zand-, grond- en kleigaten

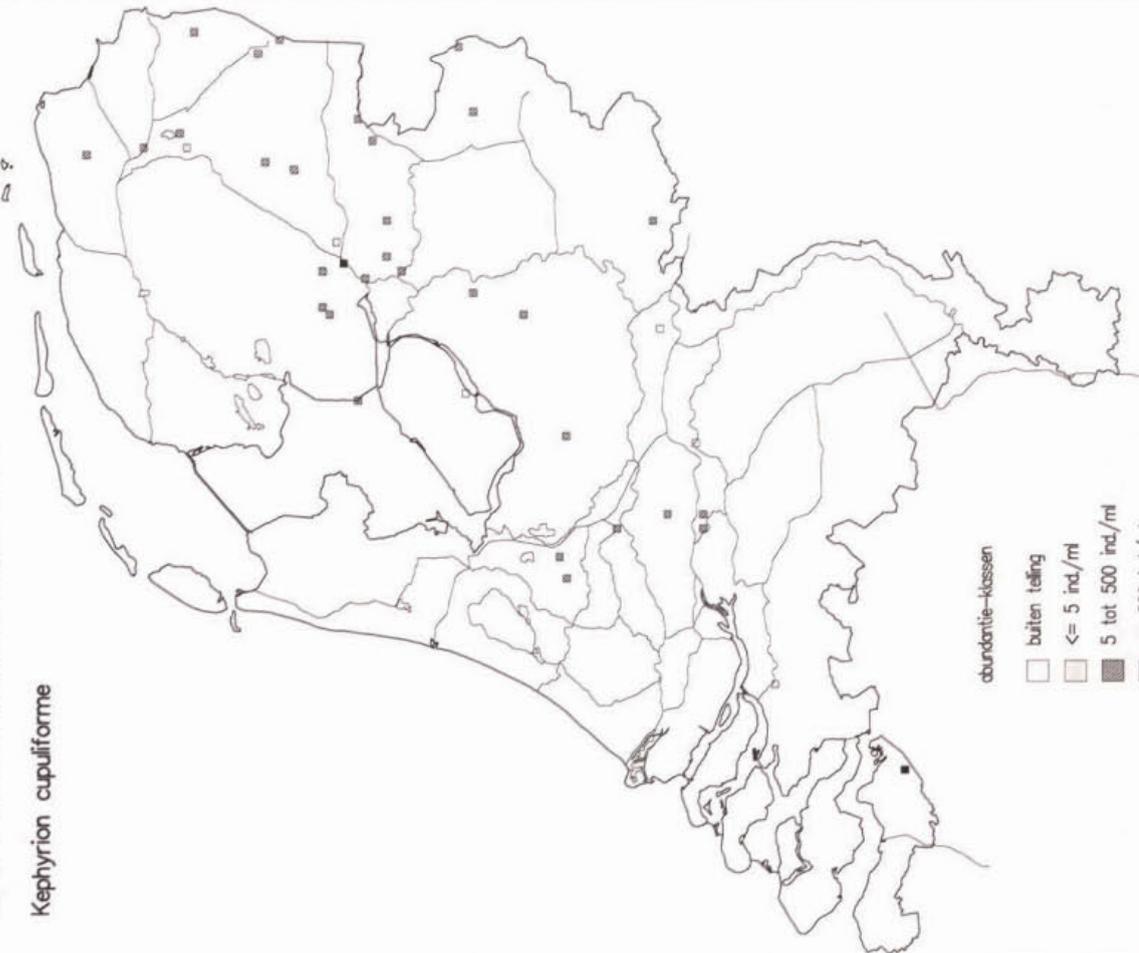


Dinobryon stipitatum



Fytoplankton : Chrysophyceae (goudwieren)

Kephyrion cupuliforme



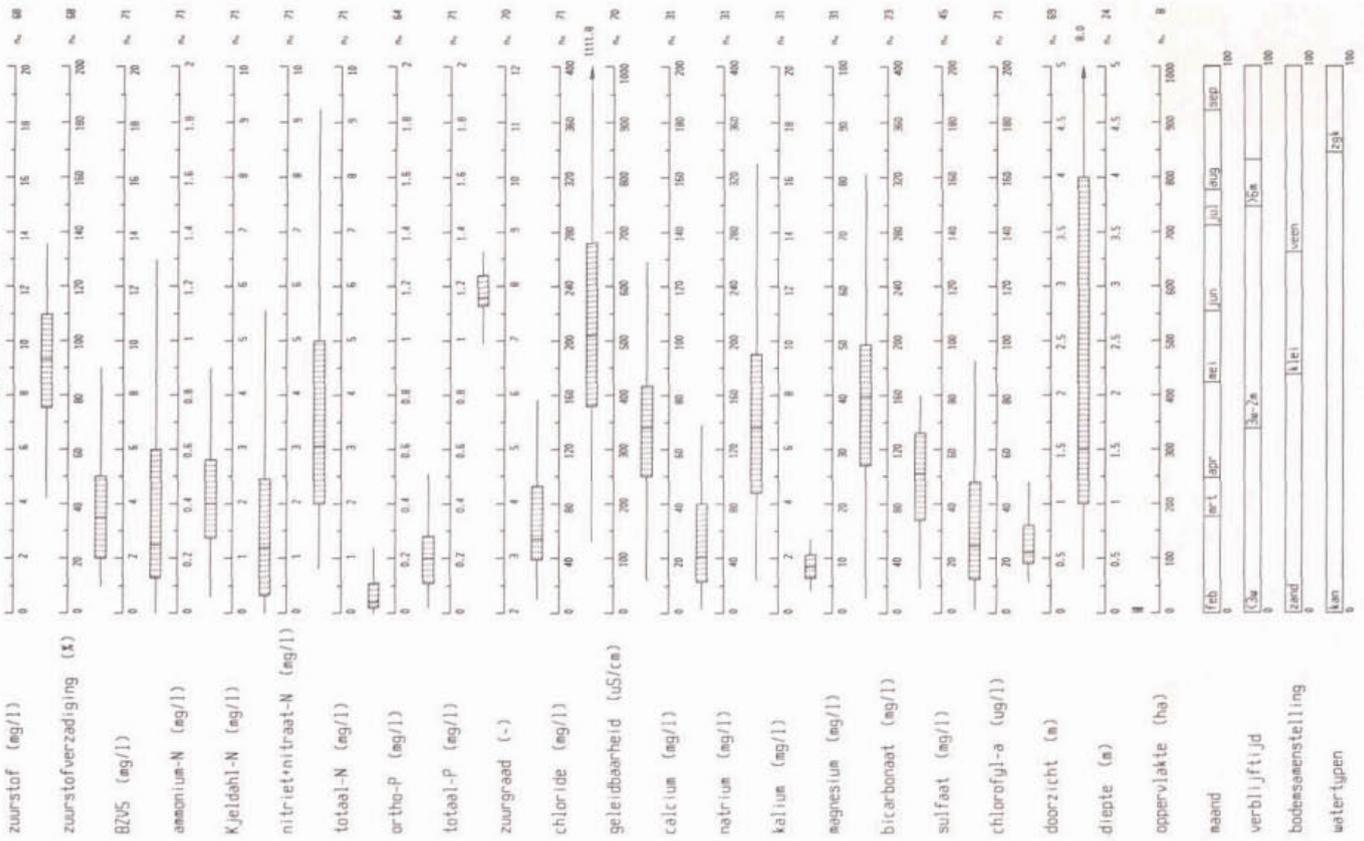
abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 □ => 500 ind./ml

**stowa**  
 Eco-atlas van waterorganismen

Kephyrion cupuliforme  
 vangsten : 71  
 locaties : 38  
 hakken : 38

watertypen  
 sloten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

Kephyrion cupuliforme



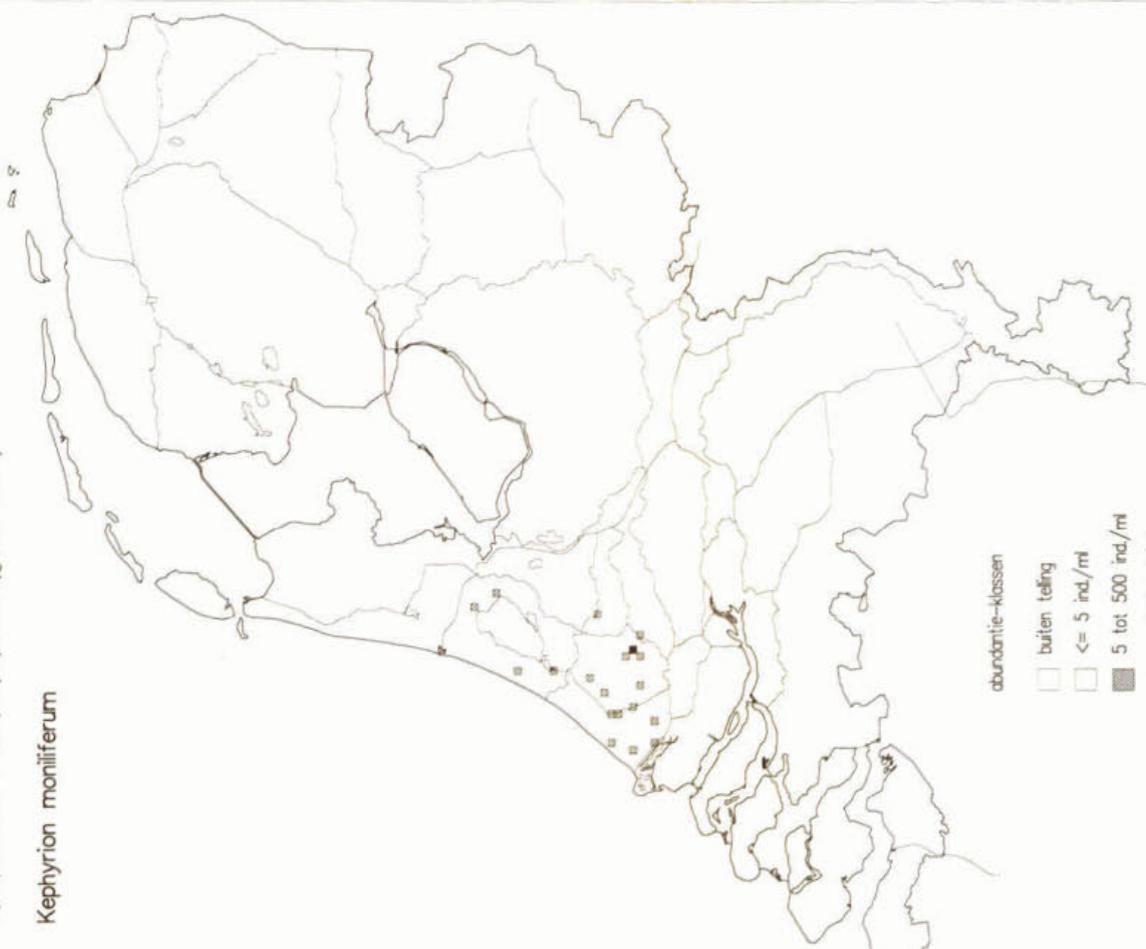
maand  
 feb | mar | apr | mei | jun | jul | aug | sep

verblijftijd  
 0 | 20 | 40 | 60 | 80 | 100

bodesaanstelling  
 0 | 20 | 40 | 60 | 80 | 100

watertypen  
 0 | 20 | 40 | 60 | 80 | 100

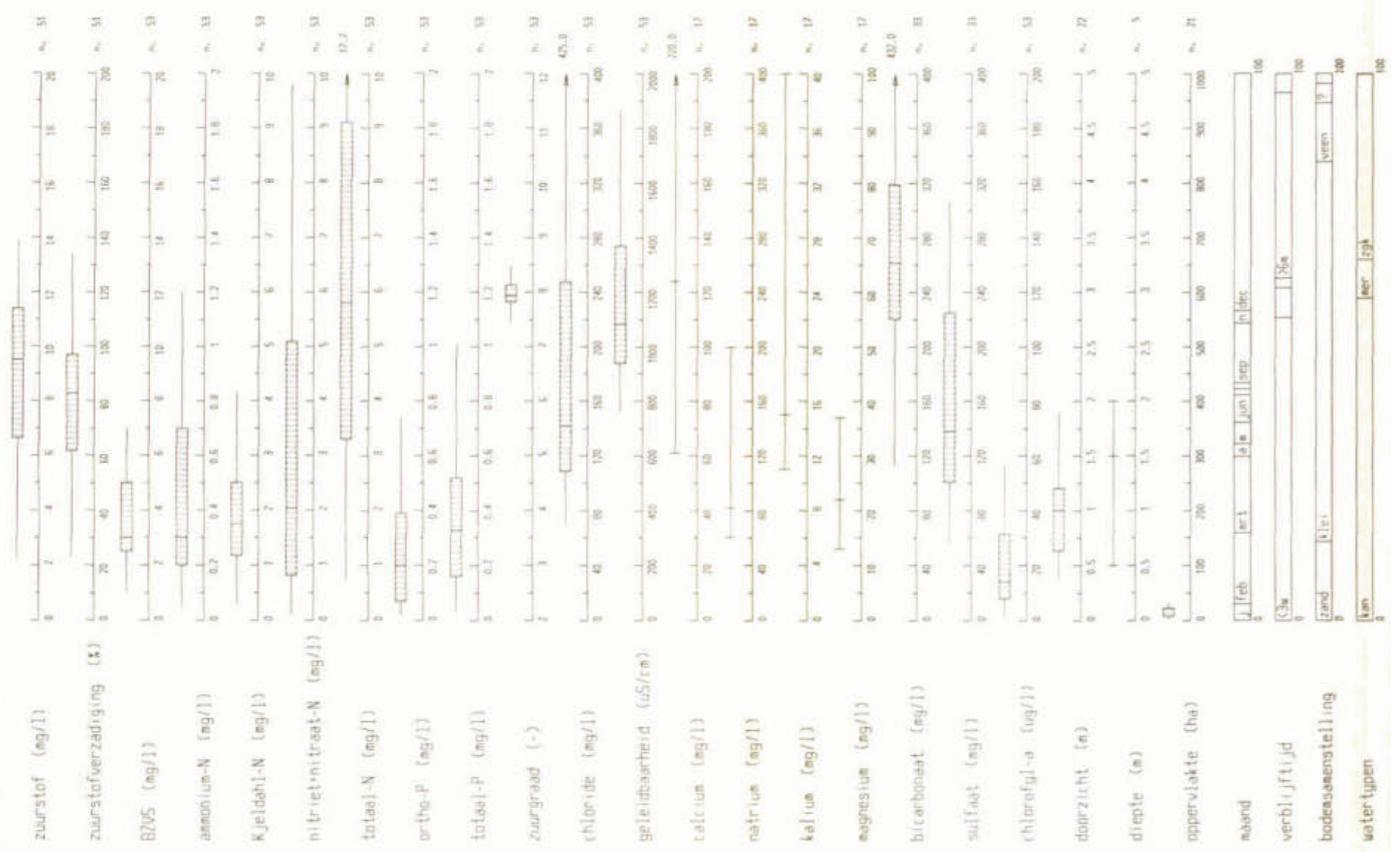
Fytoplankton : Chrysophyceae (goudwieren)  
Kephyrion moniliferum



**stowa**  
Eco-atlas van waterorganismen

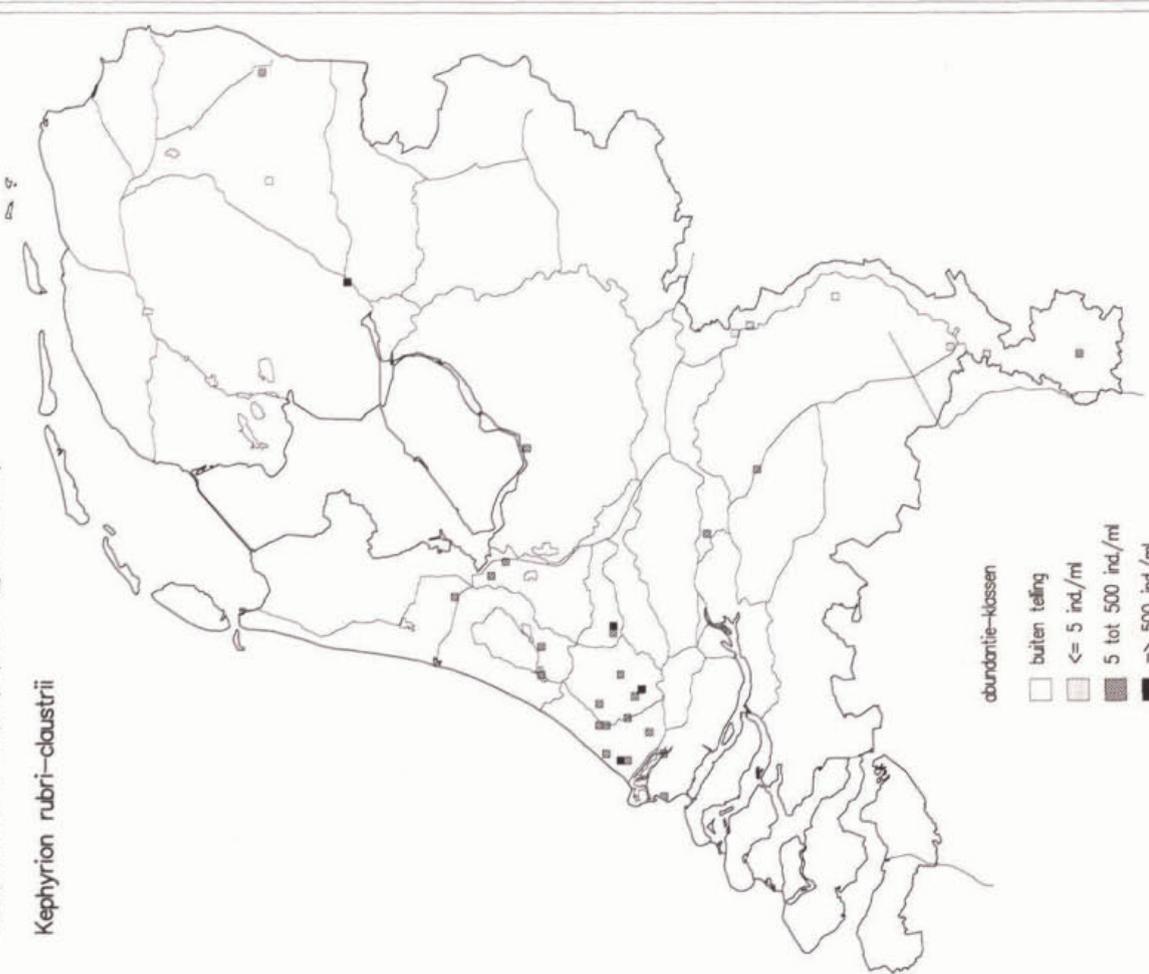
**Kephyrion moniliferum**  
vangsten : 56  
locaties : 20  
hakken : 19  
water-typen  
 akten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanden

Kephyrion moniliferum



Fytoplankton : Chrysophyceae (goudwieren)

Kephyrion rubri-claustrii



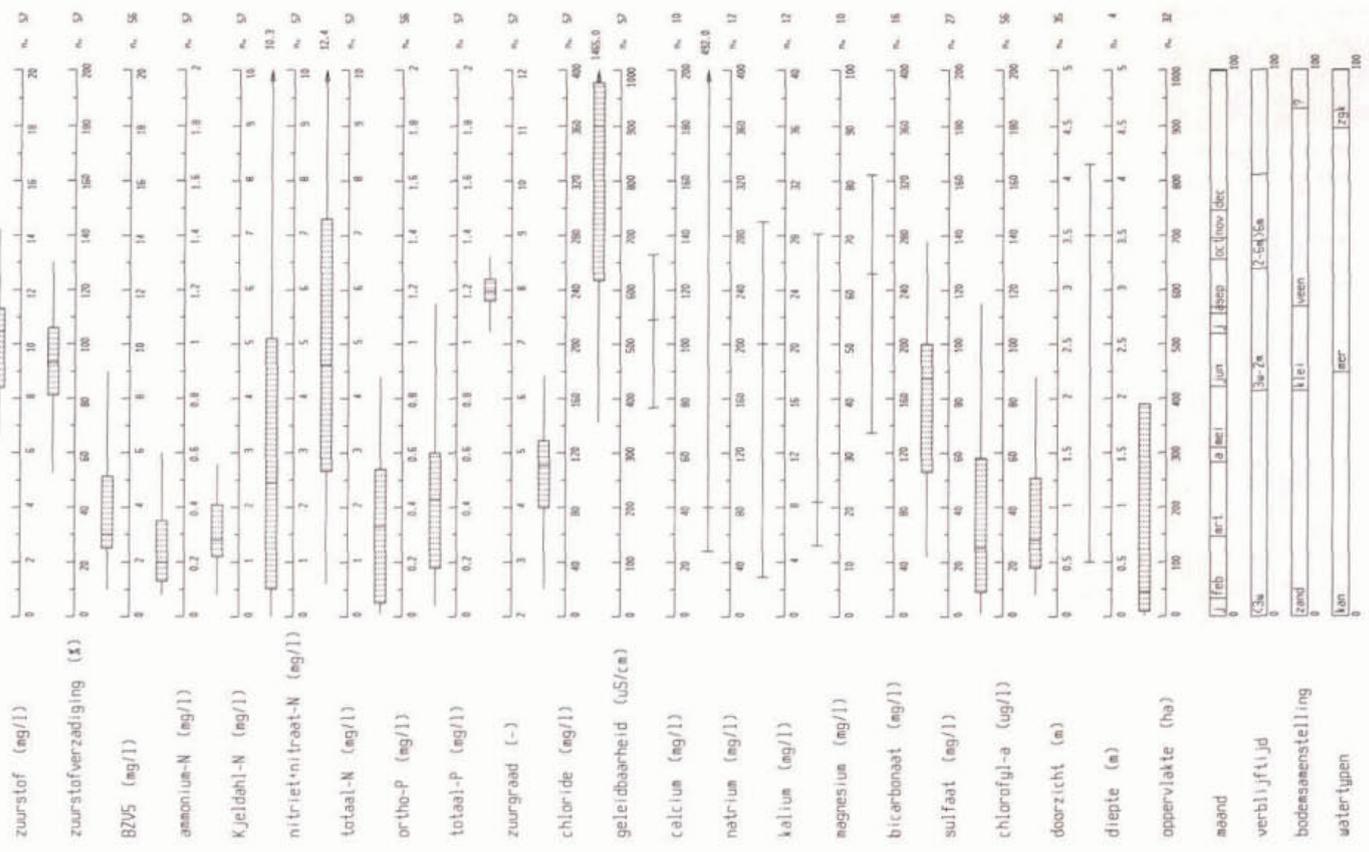
**stowa**

Eco-atlas van waterorganismen

Kephyrion rubri-claustrii

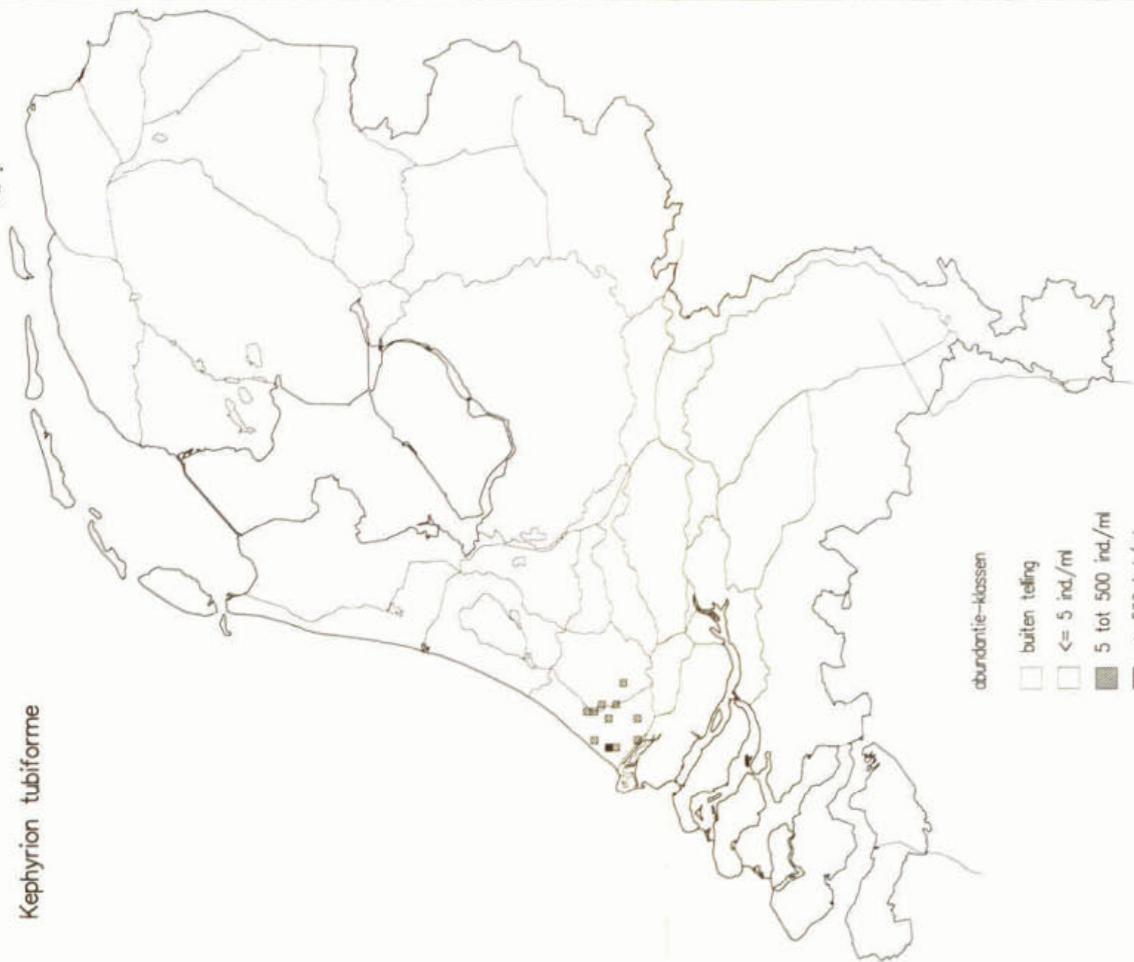
vangsten : 58  sloten  meren  meren  
 locaties : 34  stromende wateren  zand-, grind- en kleigaten  
 hokken : 32  kanalen

Kephyrion rubri-claustrii



Fytoplankton : Chrysophyceae (goudwieren)

Kephyrion tubiforme



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

Kephyrion tubiforme

vangsten : 21  
 localities : 11  
 holken : 11

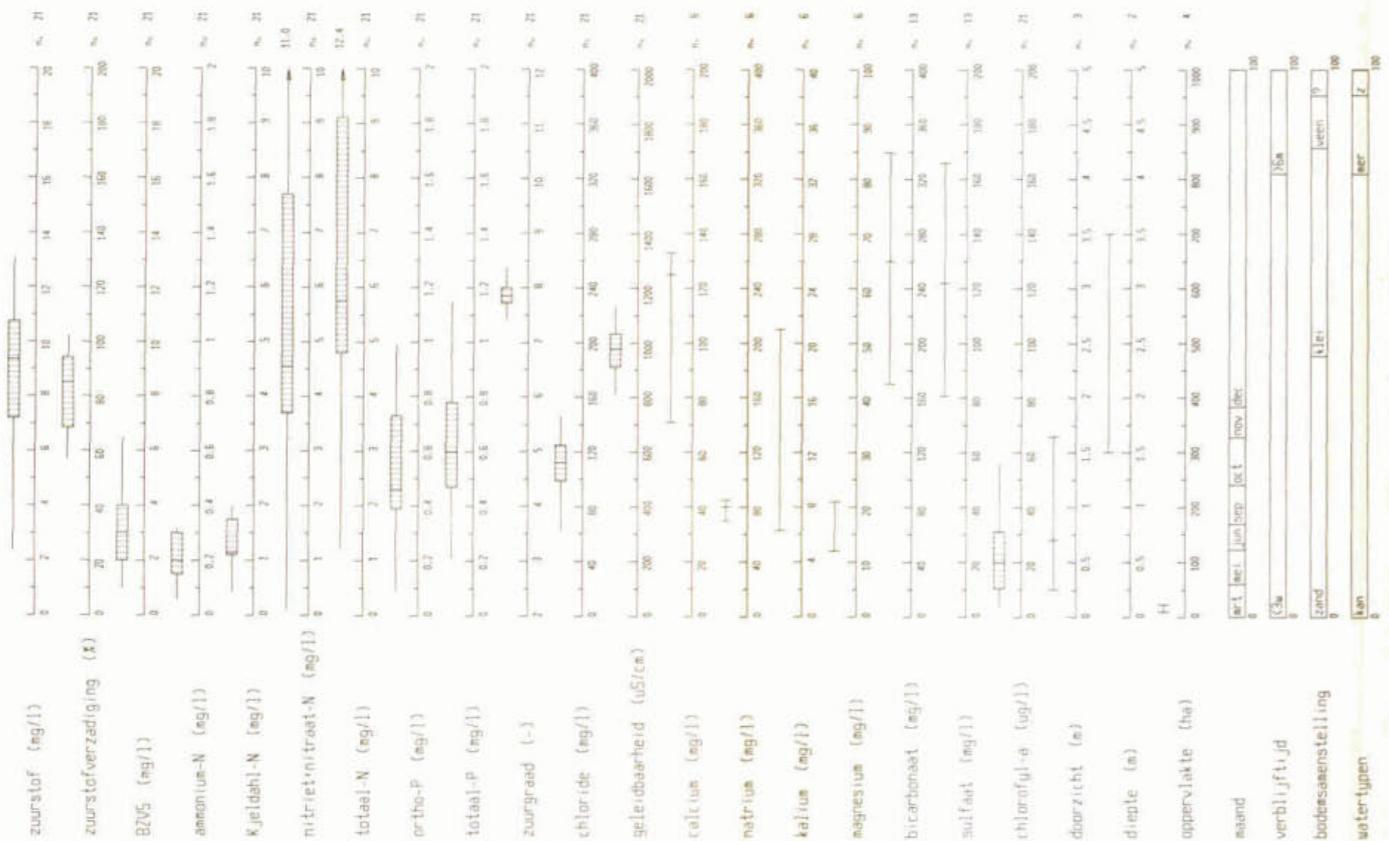
watertypen  
 slotten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten

**stowa**

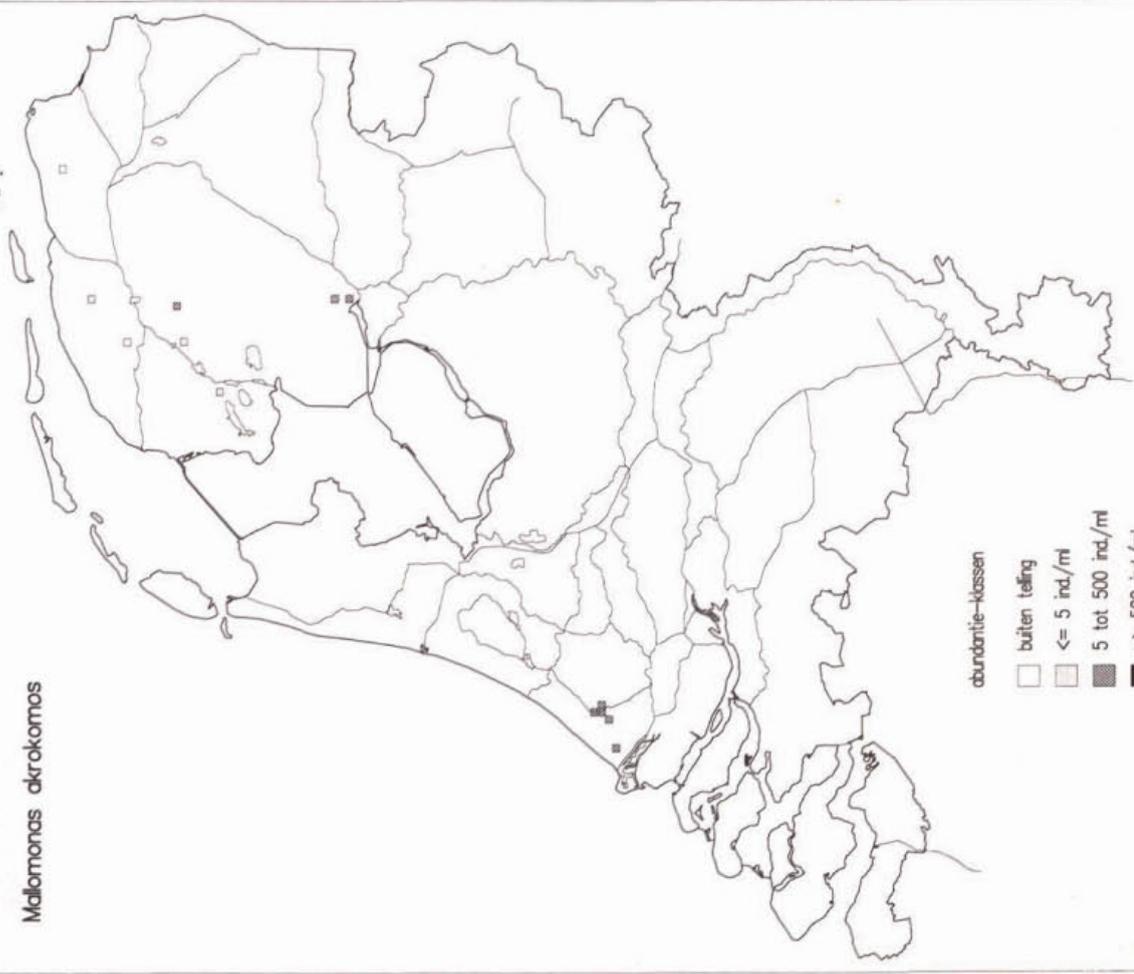
Eco-atlas van waterorganismen

Kephyrion tubiforme

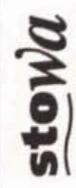


Fytoplankton : Chrysophyceae (goudwieren)

Mallomonas akrokomos



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

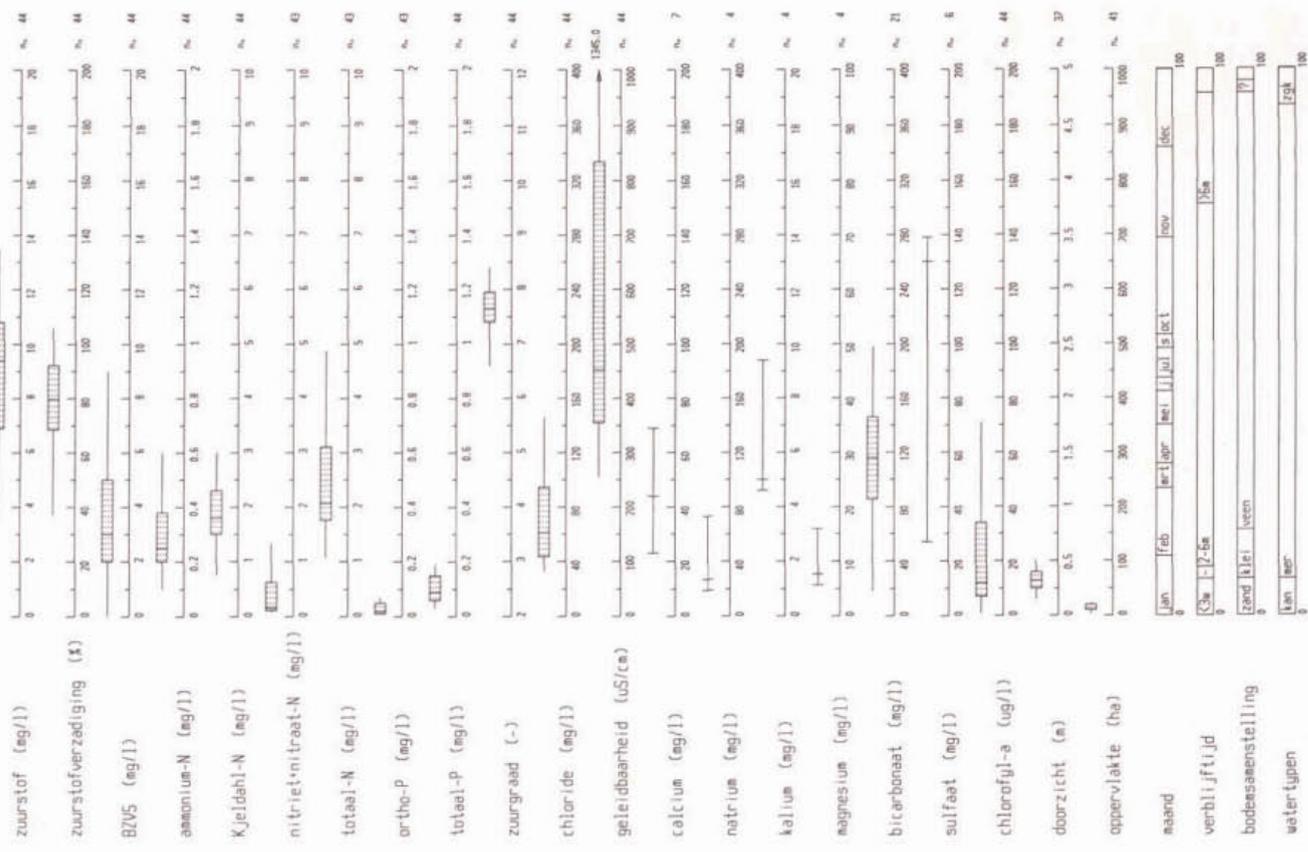


Eco-atlas van waterorganismen

Mallomonas akrokomos

vangsten : 45  sloten  meren  stromende wateren  zand-, grind- en kleigaten  
 locaties : 14  sloten  meren  stromende wateren  zand-, grind- en kleigaten  
 hokken : 13  sloten  meren  stromende wateren  zand-, grind- en kleigaten

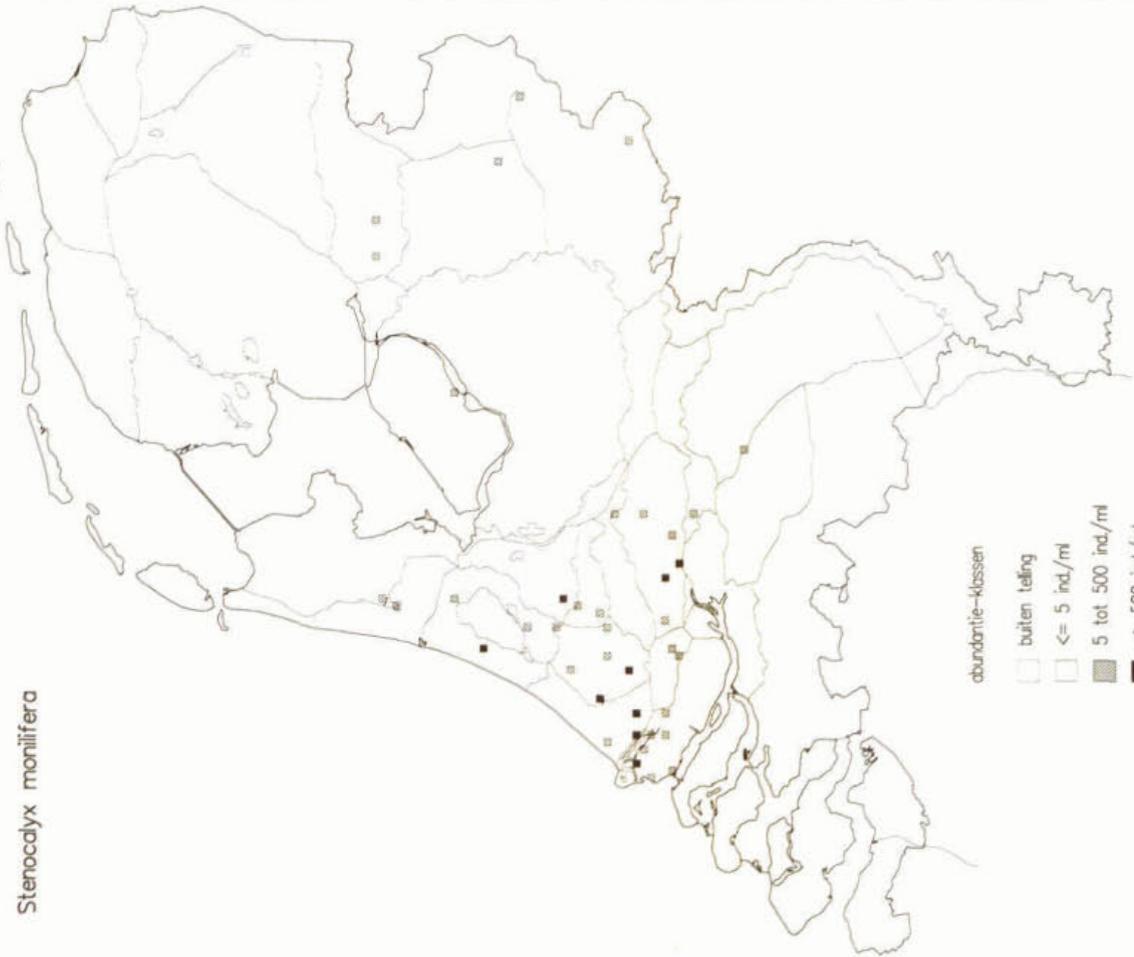
Mallomonas akrokomos



zuurstof (mg/l)  $n=44$   
 zuurstofverzadiging (%)  $n=44$   
 BZVS (mg/l)  $n=44$   
 ammonium-N (mg/l)  $n=44$   
 Kjeldahl-N (mg/l)  $n=44$   
 nitriet/nitraat-N (mg/l)  $n=43$   
 totaal-N (mg/l)  $n=43$   
 ortho-P (mg/l)  $n=43$   
 totaal-P (mg/l)  $n=44$   
 zuurgraad (-)  $n=44$   
 chloride (mg/l)  $n=44$   
 geleidbaarheid (uS/cm)  $n=44$   
 calcium (mg/l)  $n=7$   
 natrium (mg/l)  $n=4$   
 kalium (mg/l)  $n=4$   
 magnesium (mg/l)  $n=4$   
 bicarbonaat (mg/l)  $n=21$   
 sulfaat (mg/l)  $n=8$   
 chlorofyl-a (ug/l)  $n=44$   
 doorzicht (m)  $n=37$   
 oppervlakte (ha)  $n=41$   
 maand: Jan, Feb, Mar, Apr, Mei, Jun, Jul, Aug, Sep, Oct, Nov, Dec  
 verblijftijd: 160, 100, 100, 100, 100, 100  
 bodesaanstelling: 100, 100, 100, 100, 100, 100  
 wiertypen: 100, 100, 100, 100, 100, 100

Fytoplankton : Chrysophyceae (goudwieren)

Stenodalyx monilifera



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ⇒ 500 ind./ml

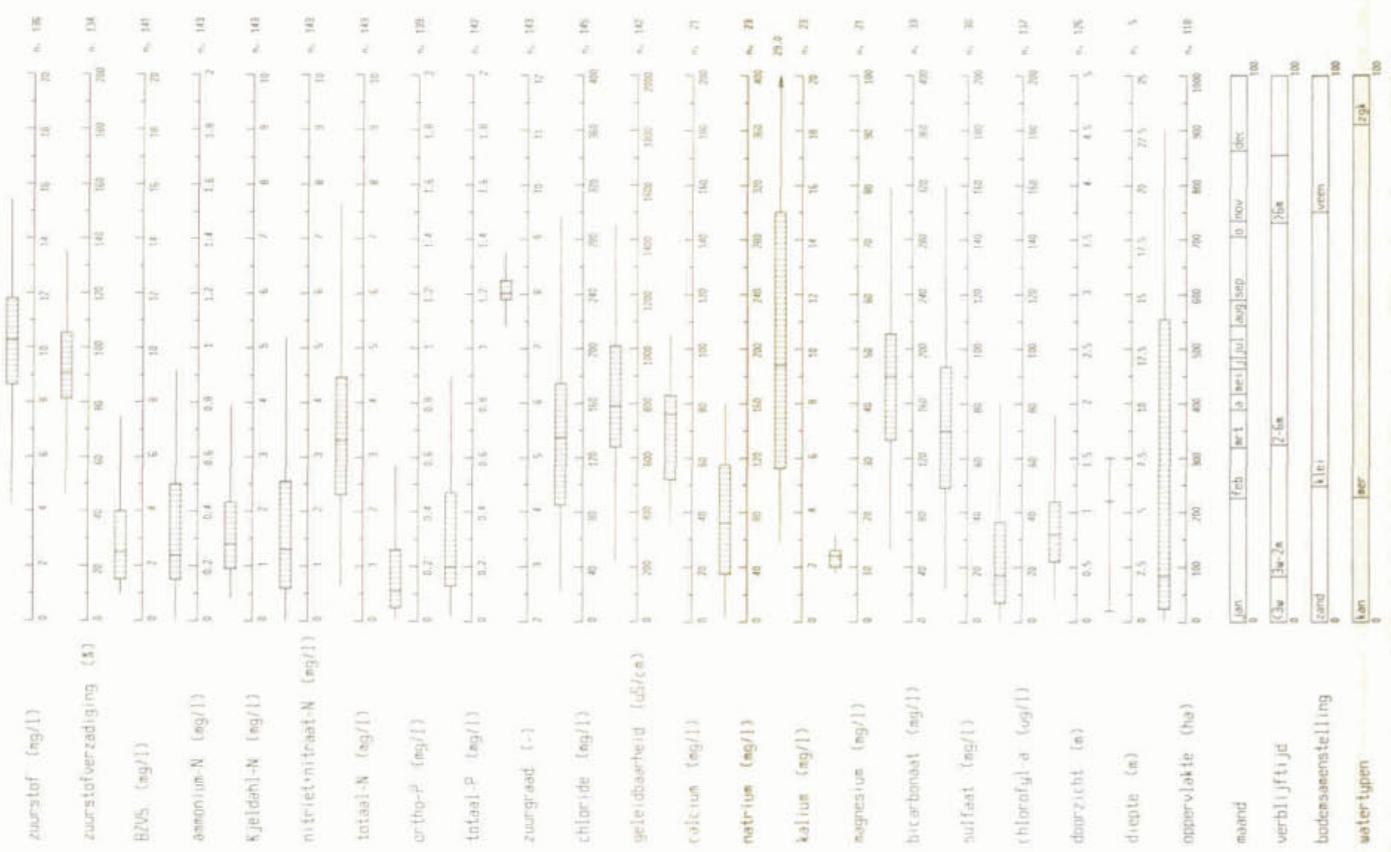
Stenodalyx monilifera

vangsten : 145  
 localities : 42  
 hobben : 41

water-typen  
 □ sloten  
 □ stromende wateren  
 □ zand-, grind- en kleigaten

**stowa**  
 Eco-atlas van waterorganismen

Stenodalyx monilifera



Fytoplankton : Chrysophyceae (goudwieren)

*Synura uvella*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

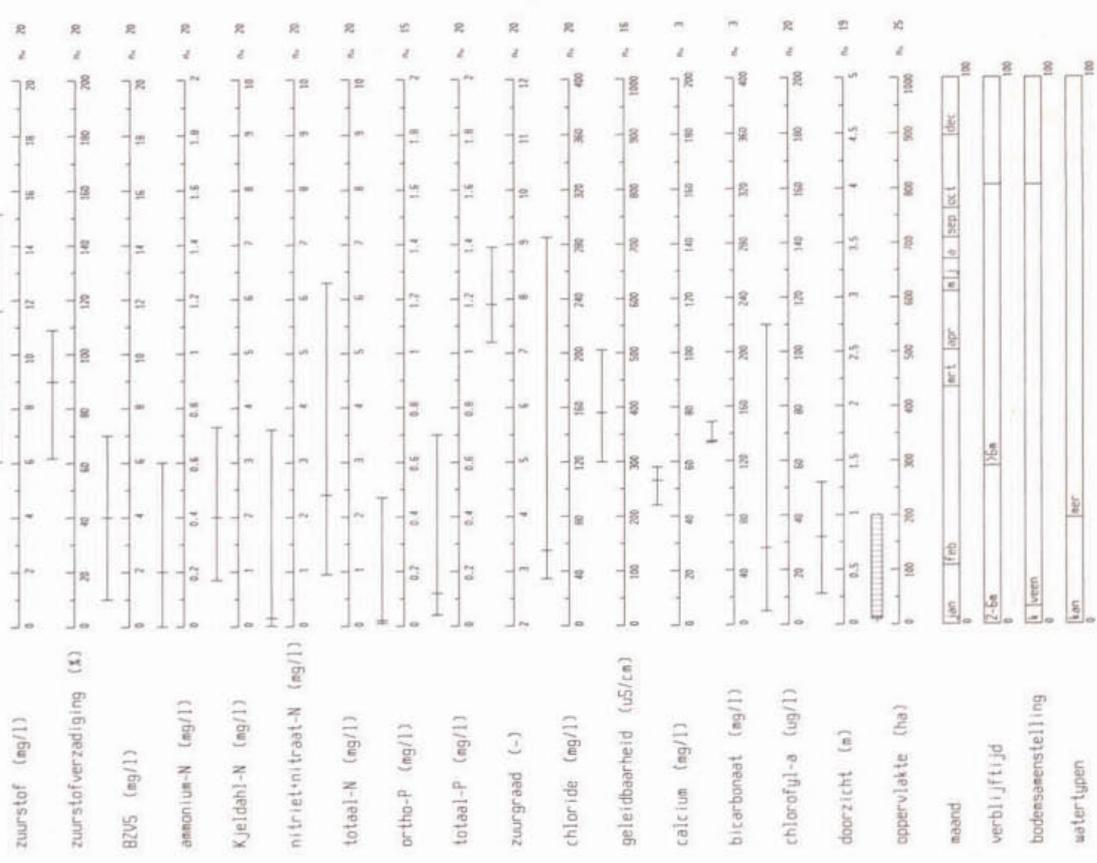
**stowa**  
Eco-atlas van waterorganismen

vangsten : 31  
locaties : 12  
hokken : 11

watertypen  
 skien  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

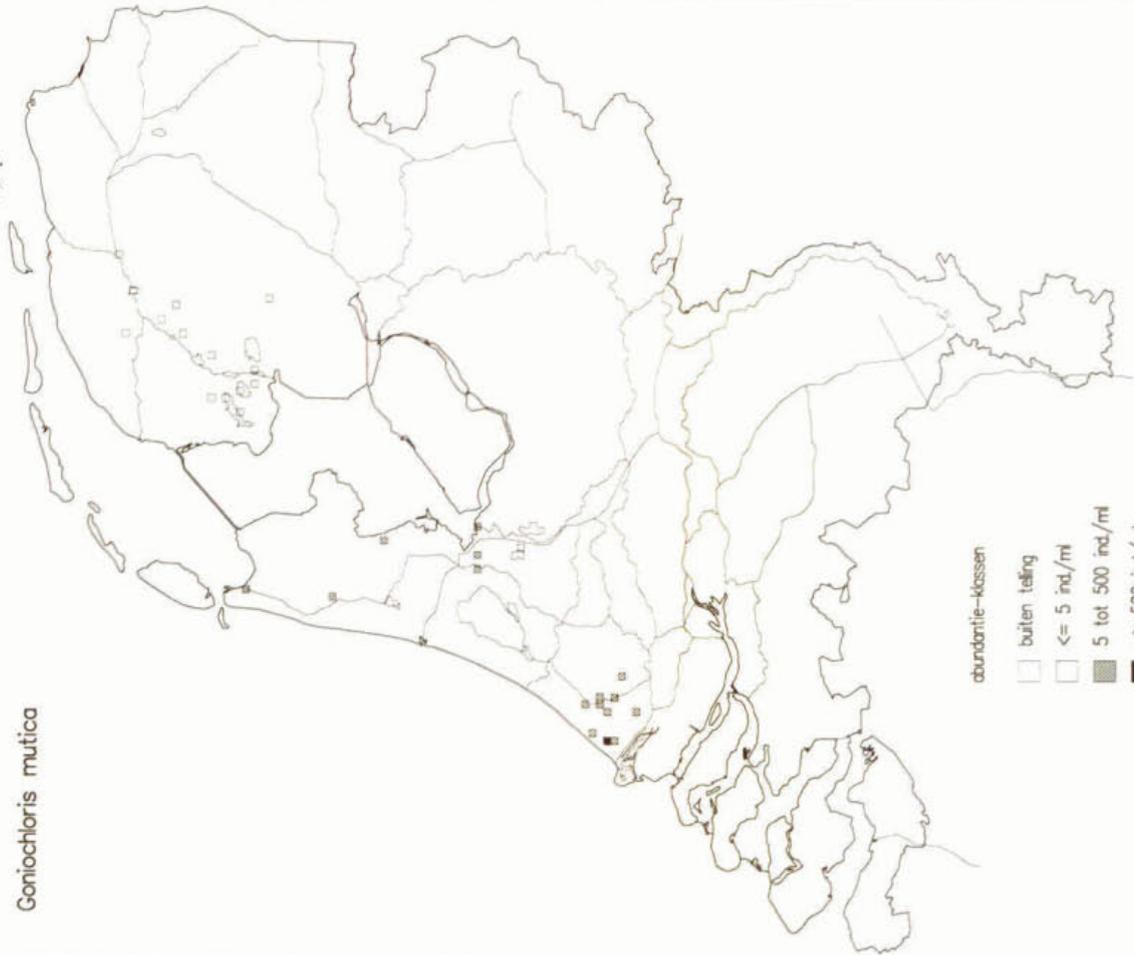
*Synura uvella*

*Synura uvella*



Fytoplankton : Xanthophyceae (geelgroenwieren)

*Goniochloris mutica*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

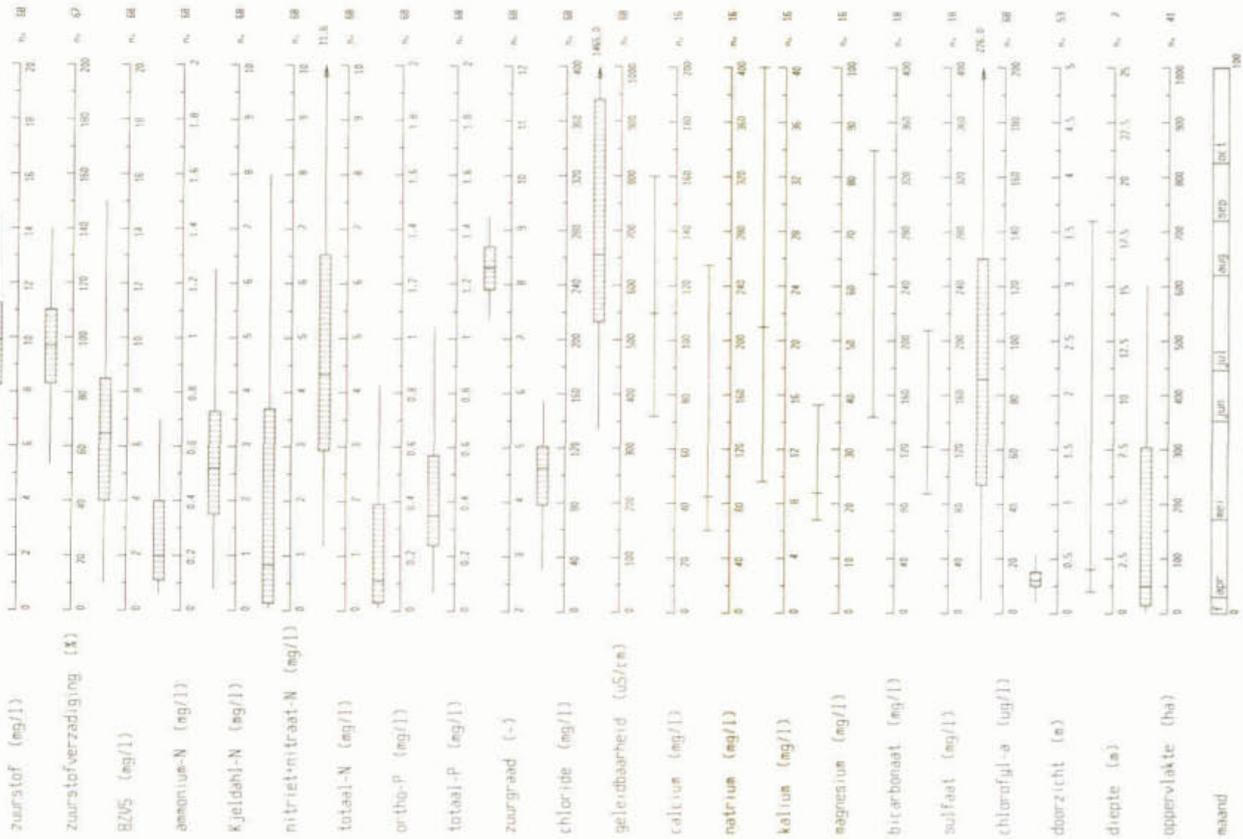
*Goniochloris mutica*

vangsten : 69 N<sup>o</sup> meren  
 locaties : 33 N<sup>o</sup> stromende wateren  
 hobben : 32 N<sup>o</sup> zand-, grind- en Meigaten



Eco-atlas van waterorganismen

*Goniochloris mutica*



maand	febr	ma	jun	jul	aug	sept	oct	100
verblijftijd	3w-7w							100
bodesamenstelling	klei							100
watertypen	meer							100

Fytoplankton : Xanthophyceae (geelgroenwieren)

Ophioctyum capitatum



abundantie-klassen

buiten telling

<= 5 ind./ml

5 tot 500 ind./ml

>= 500 ind./ml

watertypen  
 sloten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten  
 kanalen

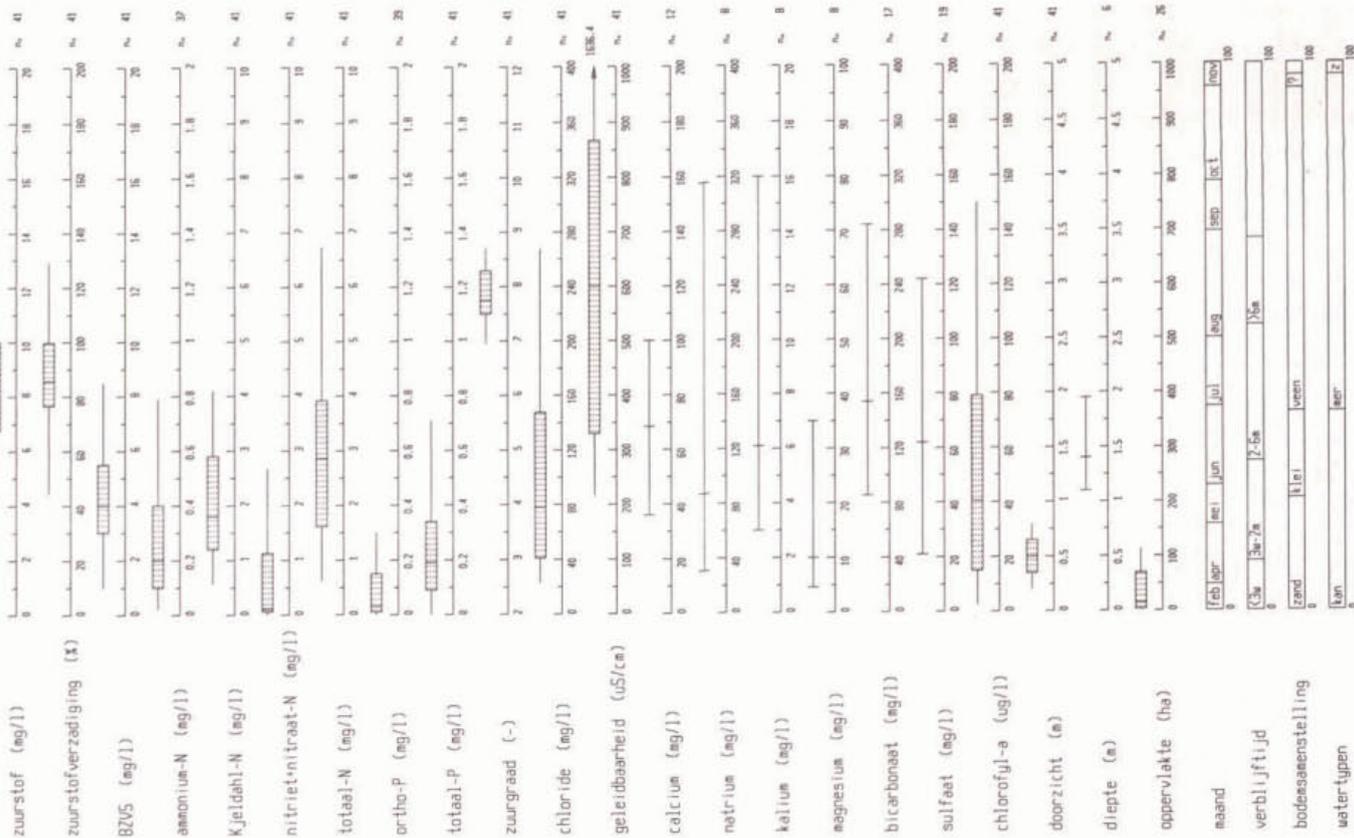
Ophioctyum capitatum

vangsten : 44  
 locaties : 29  
 hokken : 28

**stowa**

Eco-atlas van waterorganismen

Ophioctyum capitatum



maand: feb | mar | apr | mei | jun | jul | aug | sep | okt | nov | dec

verblijftijd: 1-3a | 3a-7a | 7-5a | 5a

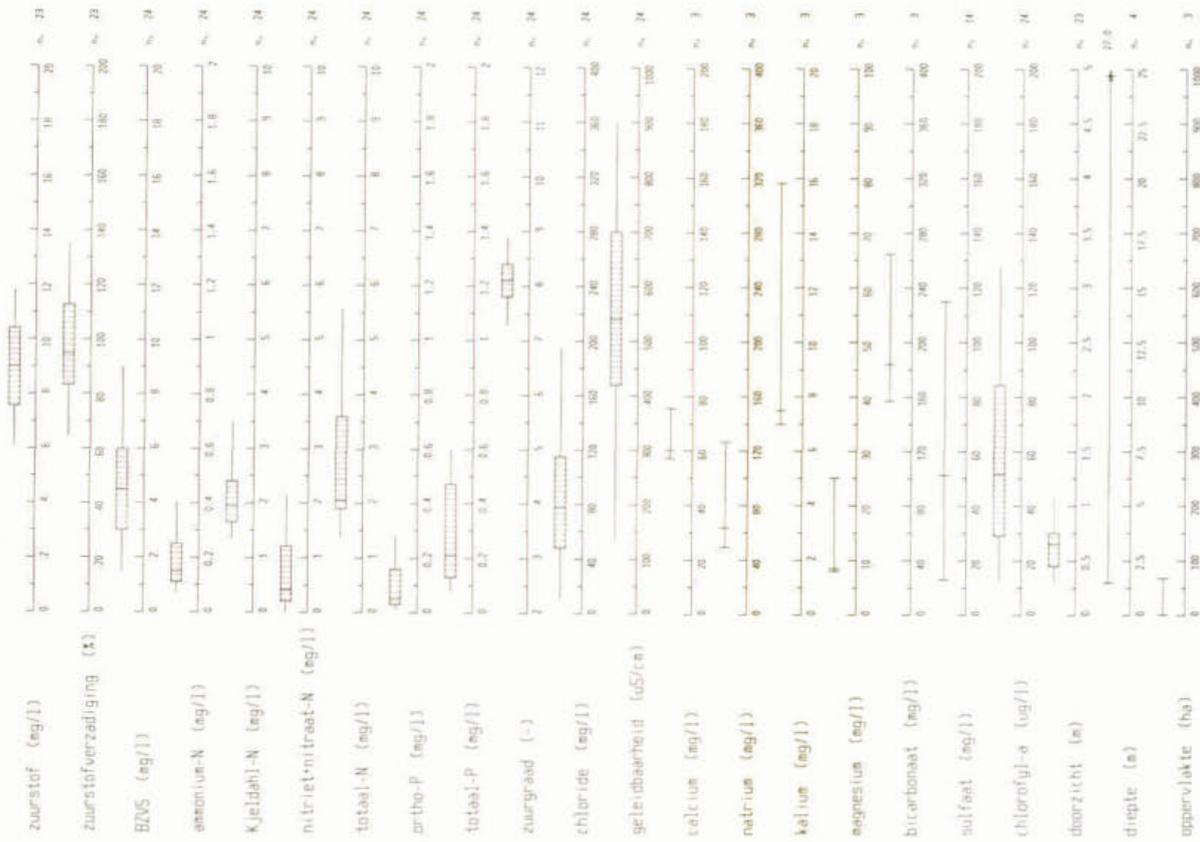
bodesaanstelling: zand | klei | veen

watertypen: kan | mer

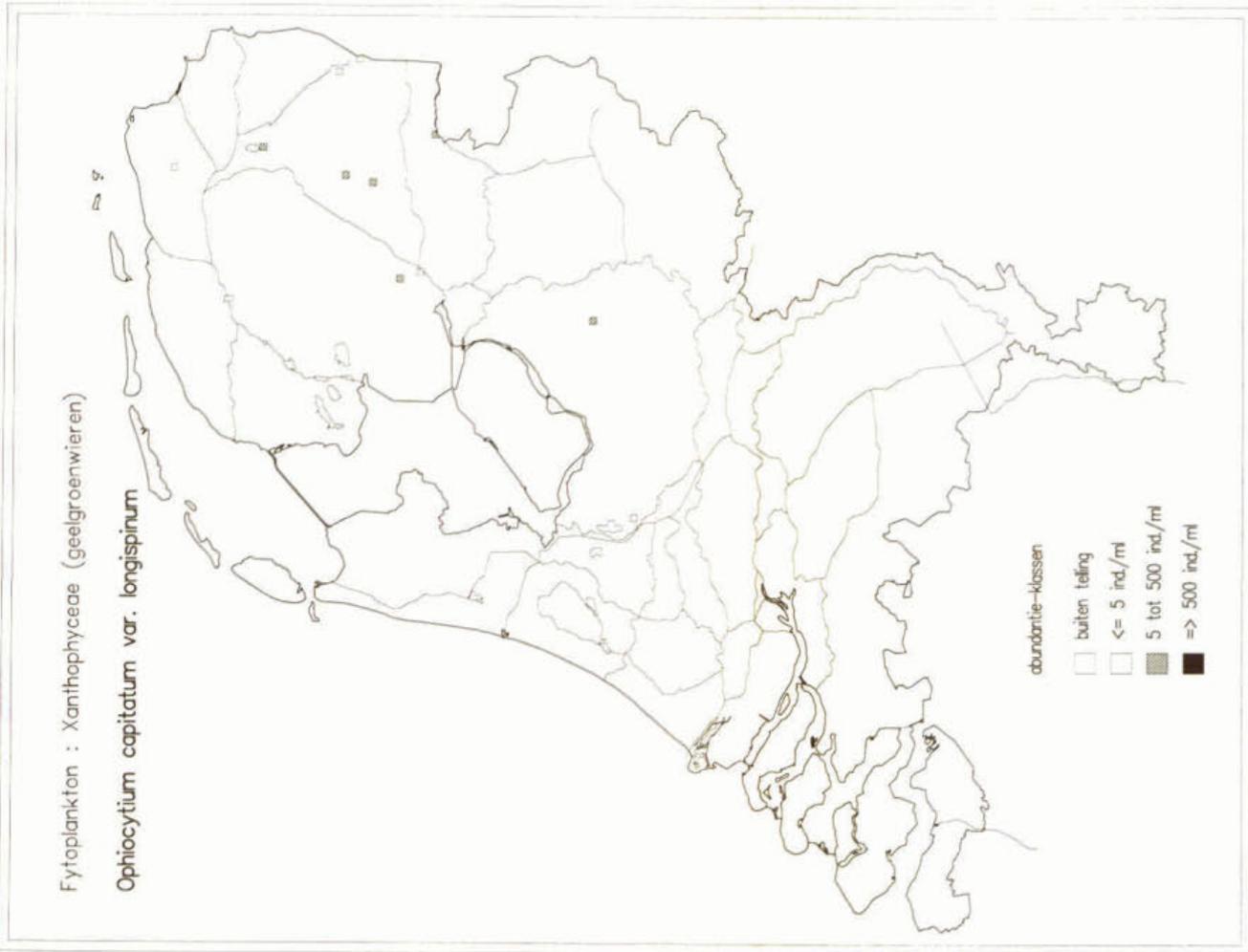
Fytoplankton : Xanthophyceae (geelgroenwieren)

*Ophiocyrtium capitatum* var. *longispinum*

*Ophiocyrtium capitatum* var. *longispinum*



maand	mei	jun	juli	aug	sep
verbl.jftijd	0	1	2	3	4
bodestaansetting	zand	zand	veen	veen	veen
watertypen	0	1	2	3	4



*Ophiocyrtium capitatum* var. *longispinum*

vangsten : 24	watertypen	0	1	2	3	4
locaties : 11	stromende wateren	0	1	2	3	4
hokken : 11	kanalen	0	1	2	3	4
	meren	0	1	2	3	4
	zand-, grind- en kleigaten	0	1	2	3	4

**stowa**  
Eco-atlas van waterorganismen

Fytoplankton : Dinophyceae (pantserflagellaten)

Ceratium hirundinella



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

**stowa**

Eco-atlas van waterorganismen

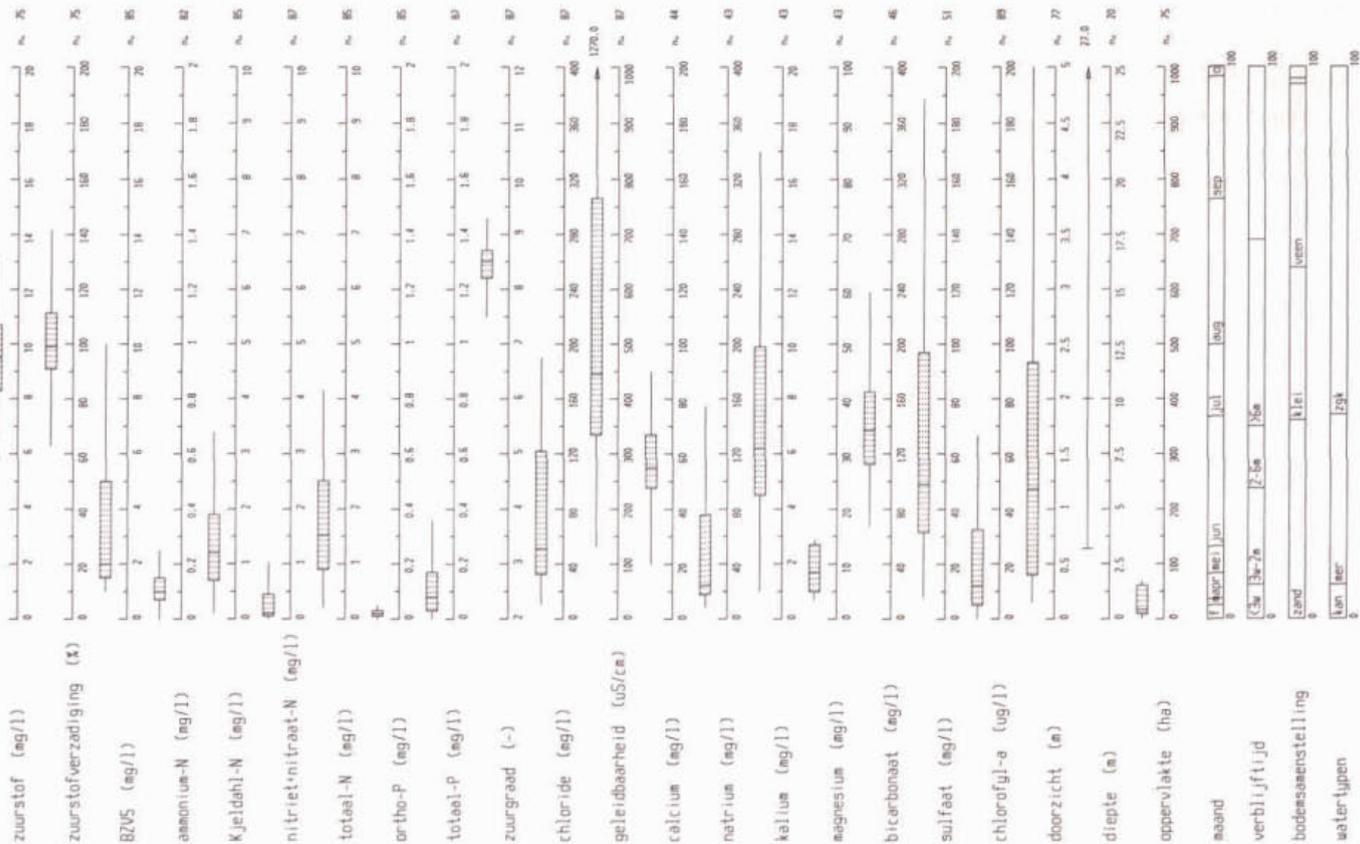
Ceratium hirundinella

vangsten : 97  
 locaties : 53  
 hokken : 52

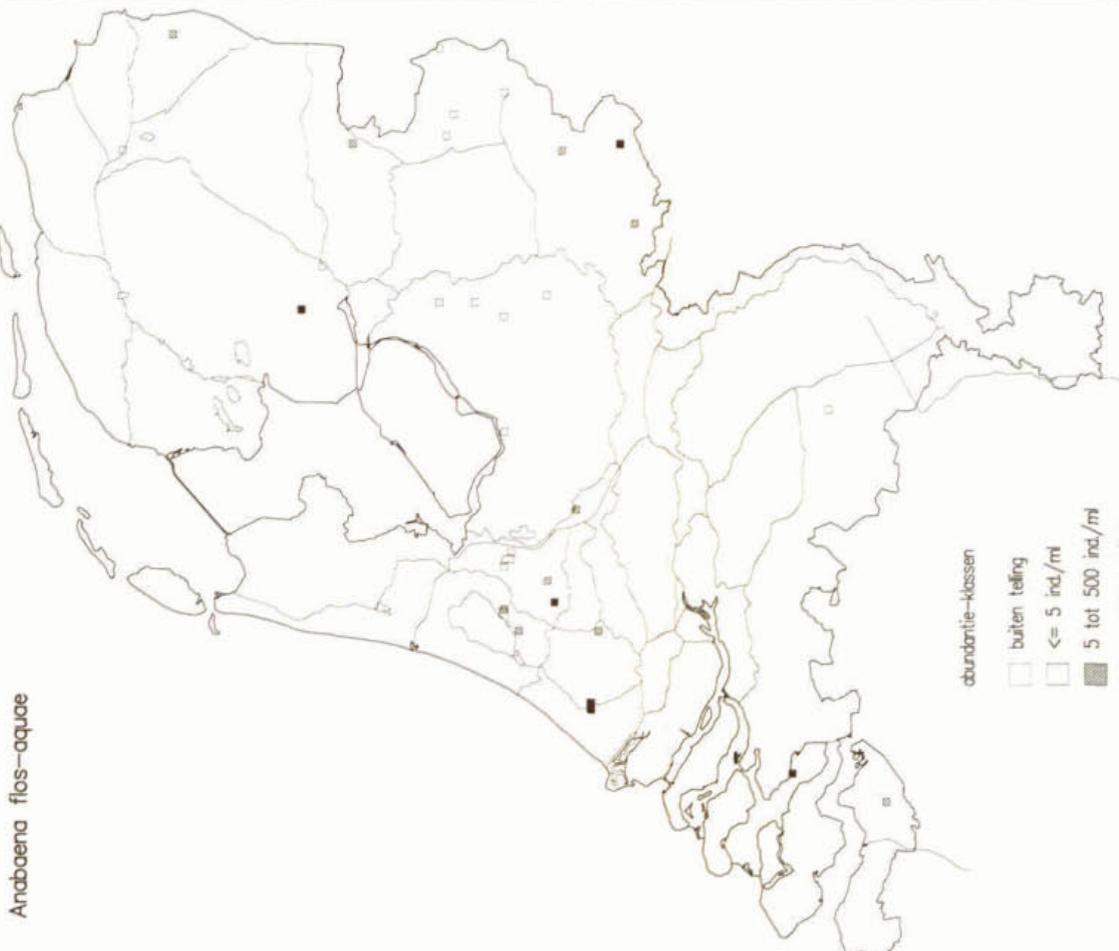
watertypen  
 sloten  
 stromende wateren  
 N kanalen

N mieren  
 zand-, grind- en kleigaten

Ceratium hirundinella



Fytoplankton : Cyanobacteria (blauwwieren)  
**Anabaena flos-aquae**

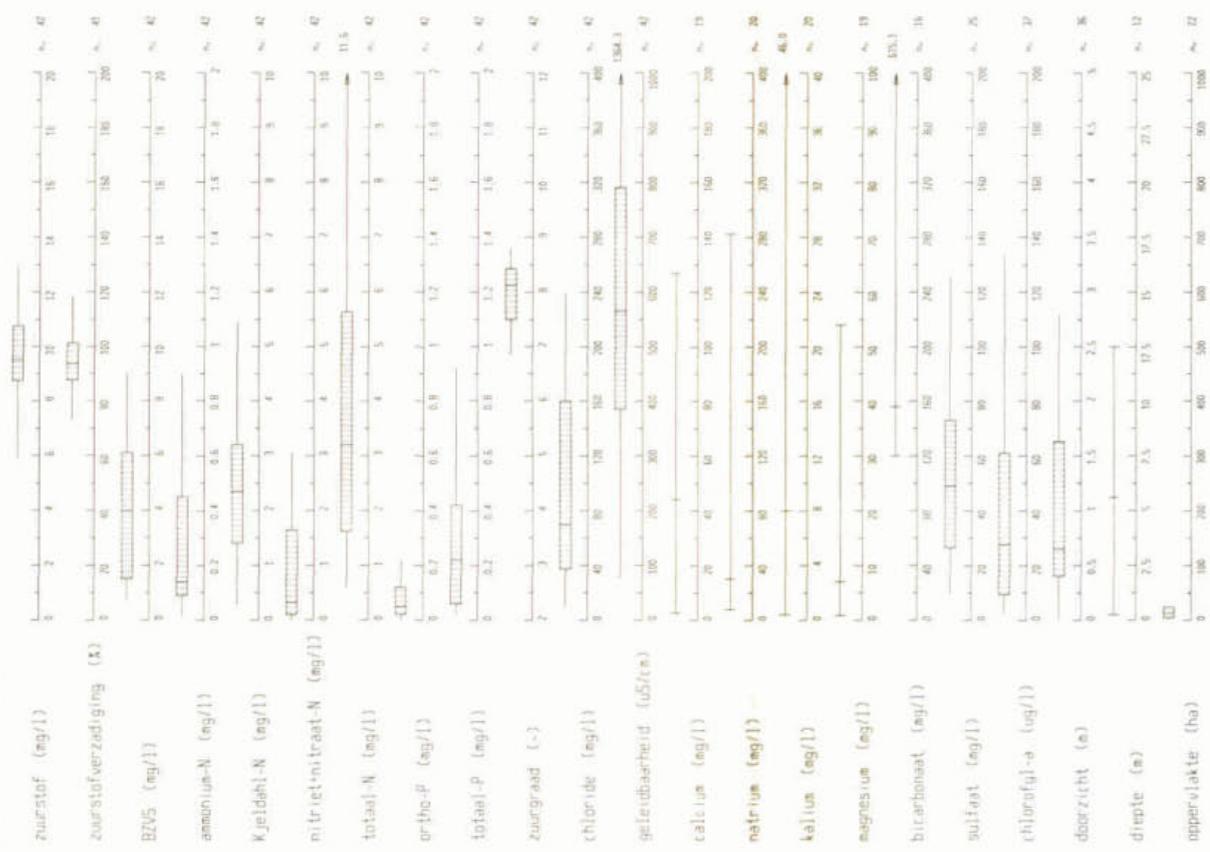


abundantie-klassen  
 buiten telling  
 <= 5 ind./m  
 5 tot 500 ind./m  
 => 500 ind./m

**stowa**  
 Eco-atlas van waterorganismen

Anabaena flos-aquae  
 vangsten : 44  
 locaties : 30  
 hokken : 30  
 wassertypen  
 akten  
 stromende wateren  
 stromende wateren  
 sloten  
 meren  
 zand-, grind- en kleigaten

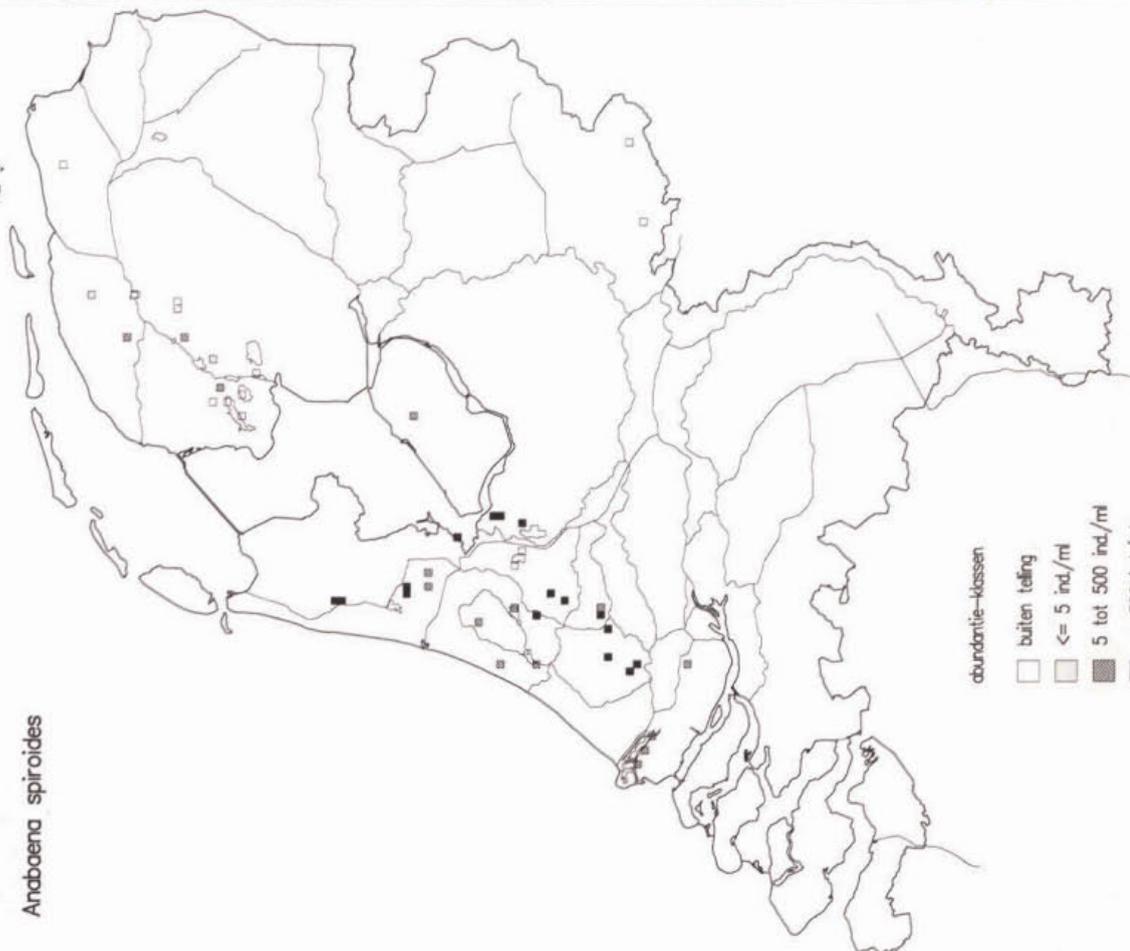
Anabaena flos-aquae



maand	feb	mar	apr	mei	jun	jul	aug	sep	okt	100
verblijftijd	3e, 2e, 1e, 2e, 1e									
bodestasenstelling	klei									
wassertypen	meren									

Fytoplankton : Cyanobacteria (blauwwieren)

Anobaena spiroides



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

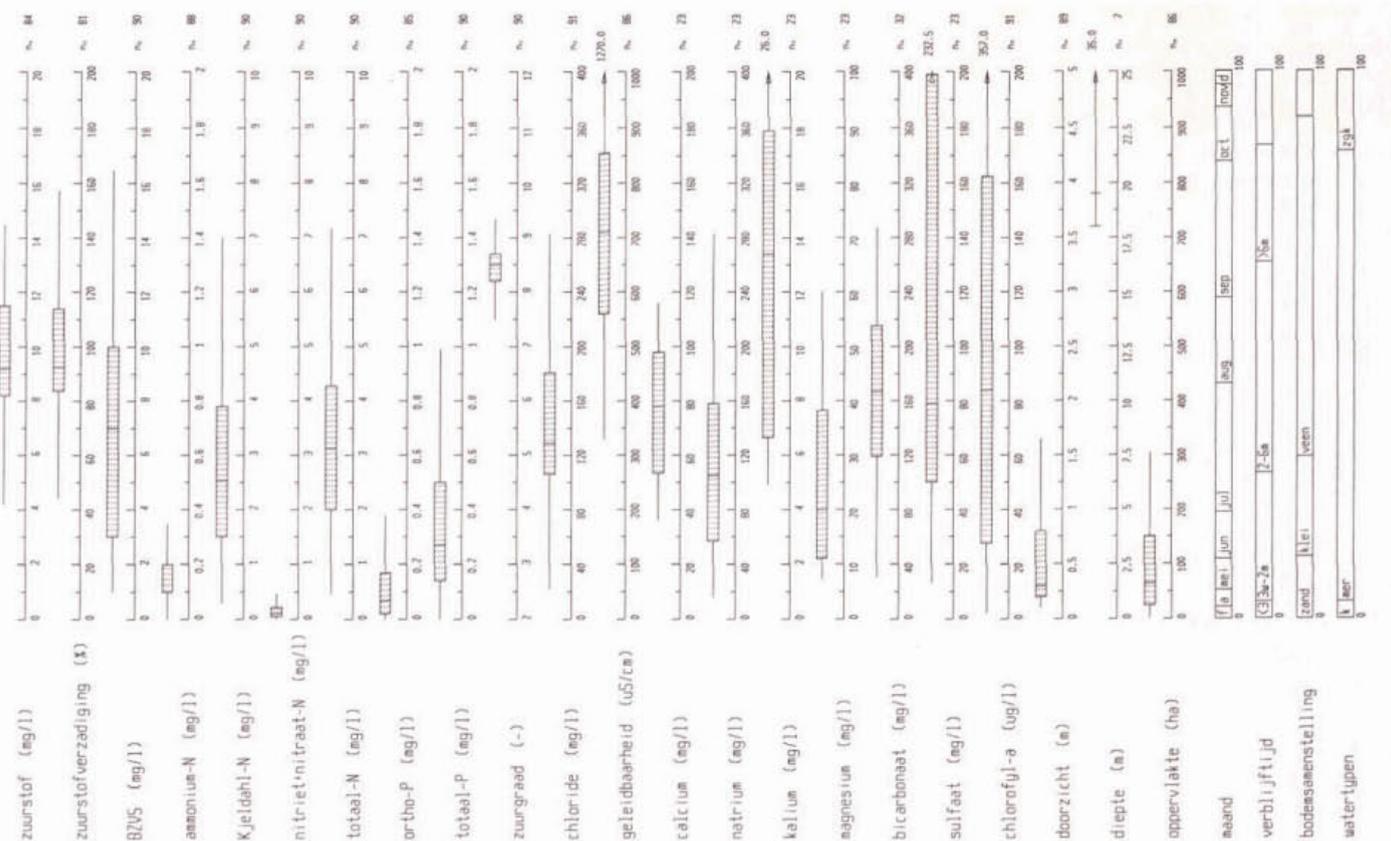
**stowa**  
 Eco-atlas van waterorganismen

Anobaena spiroides  
 vangsten : 98  
 locaties : 47  
 hokken : 46

watertypen  
 slotten  
 stromende wateren  
 karaden

meren  
 zand-, grind- en kleigaten

Anobaena spiroides



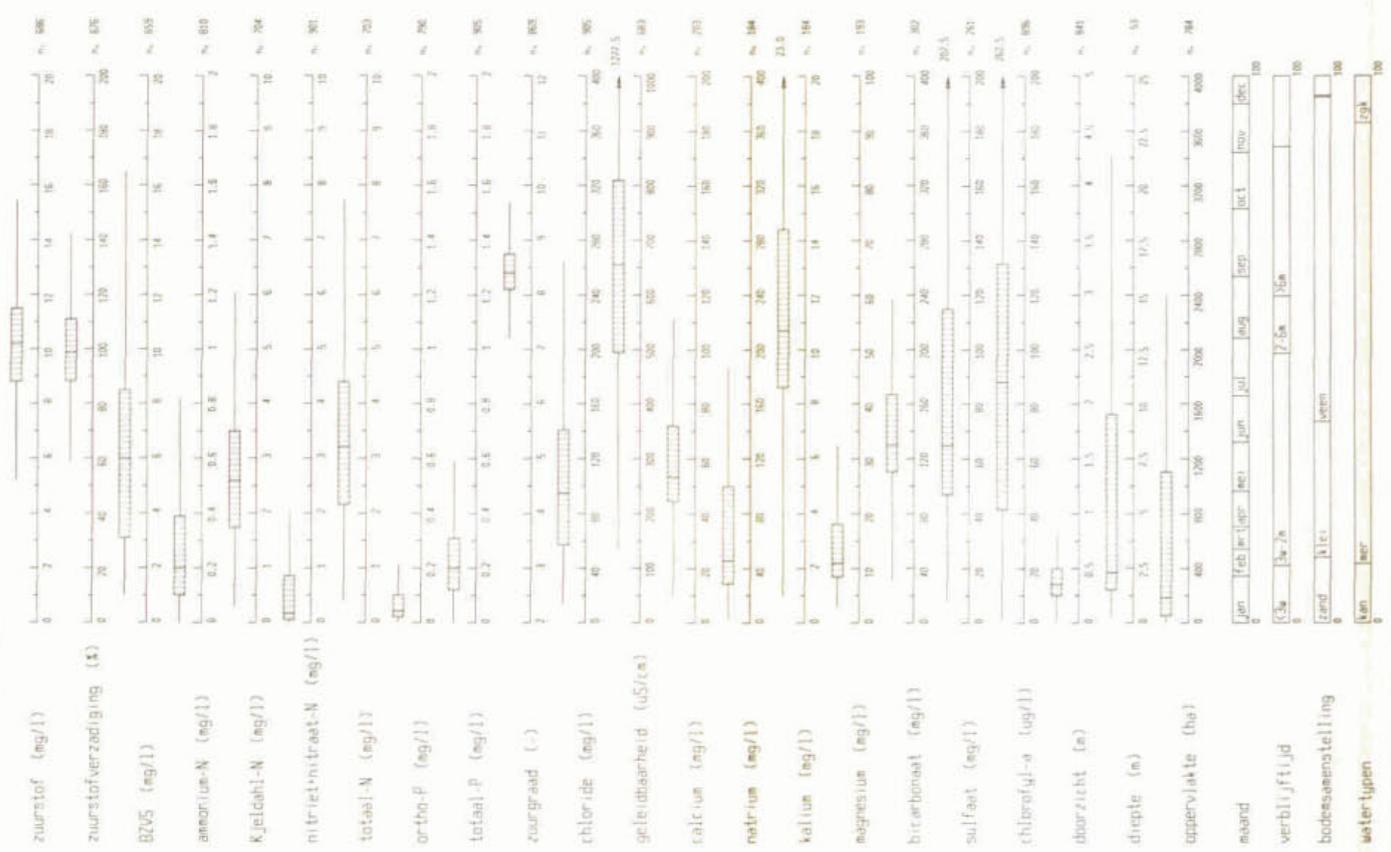
Fytoplankton : Cyanobacteria (blauwieren)  
Aphanizomenon flos-aquae



**stowa**  
Eco-atlas van waterorganismen

Aphanizomenon flos-aquae  
vangsten : 826  
locaties : 162  
hokken : 153  
watertypen  
 slotten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

Aphanizomenon flos-aquae



Fytoplankton : Cyanobacteria (blauwieren)  
Aphanocapsa delicatissima

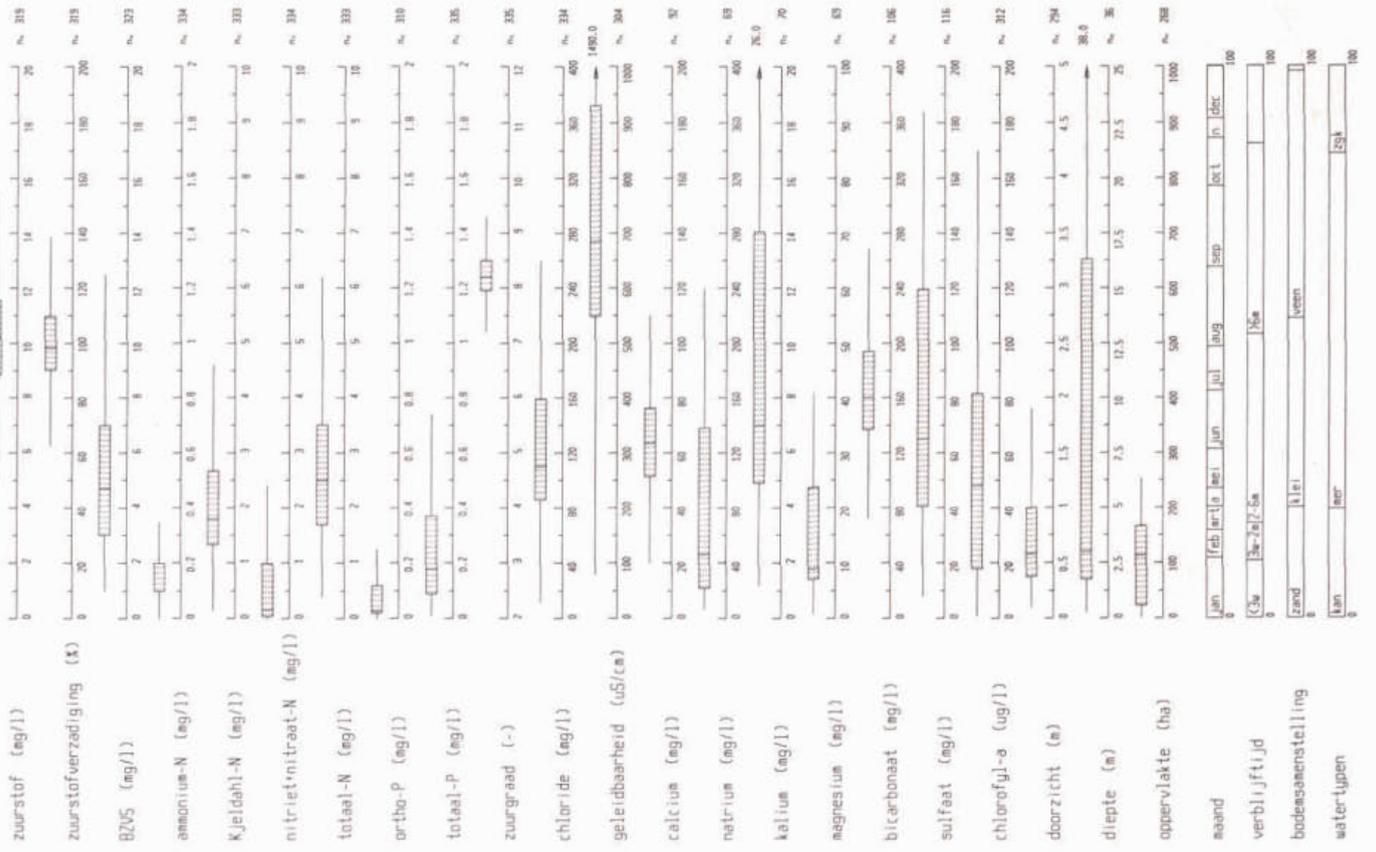


abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml



Eco-atlas van waterorganismen

Aphanocapsa delicatissima  
 vangsten : 340  
 locaties : 115  
 hokken : 112  
 water typen  
 akoten  
 stromende wateren  
 kanalen  
 mieren  
 zand-, grind- en kleigaten



maand  Jan  Feb  Mar  Apr  Mei  Jun  Jul  Aug  Sep  Oct  Nov  Dec

locatie  1  2  3  4  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

land  1  2  3  4  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

kan  1  2  3  4  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

Fytoplankton : Cyanobacteria (blauwwieren)  
**Aphanocapsa elachista**

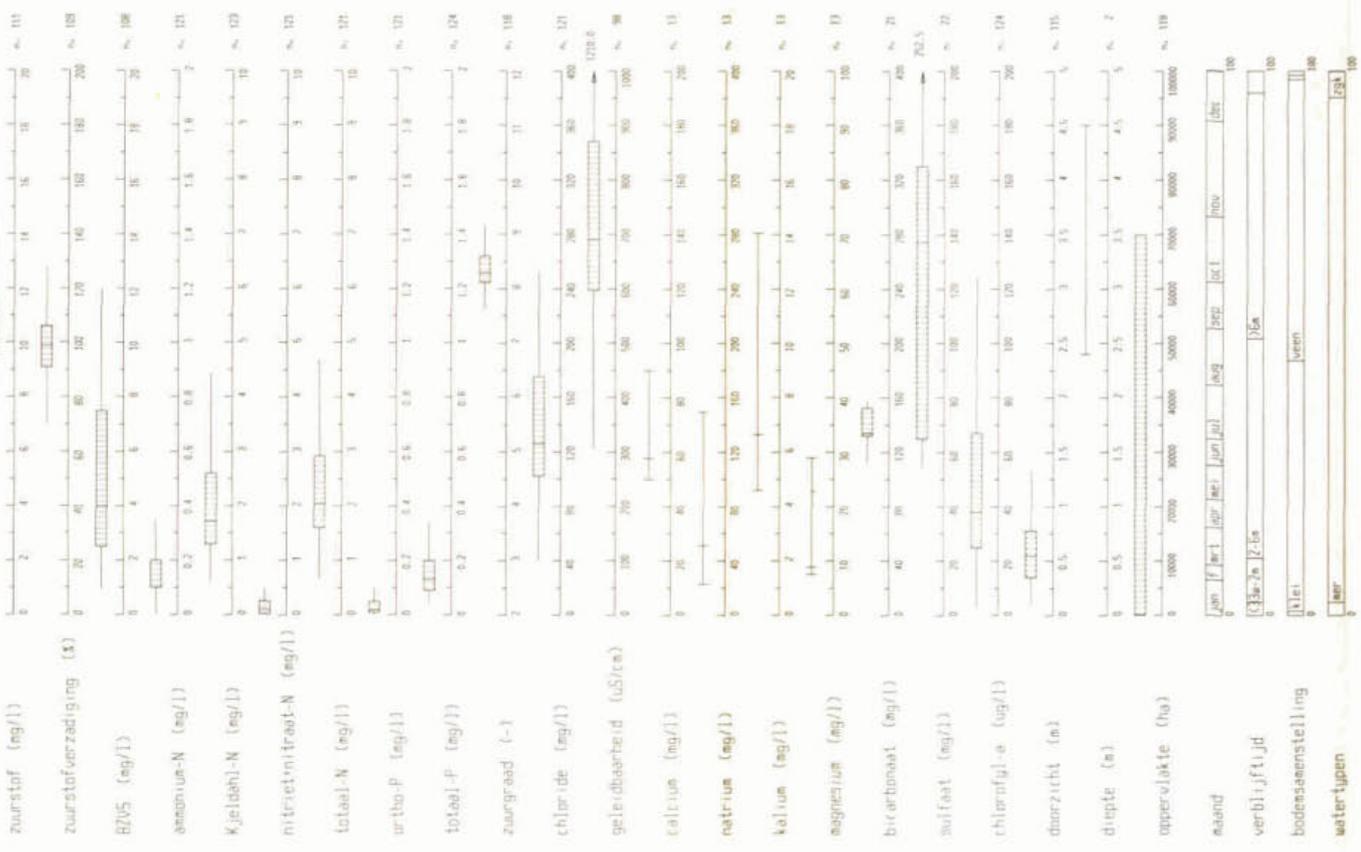


**Aphanocapsa elachista**

vangsten : 124  
 locaties : 40  
 hakken : 38

watersloten  sloten  meren   
 stromende wateren  zand-, grind- en kleigaten   
 kanalen

Aphanocapsa elachista



Fytoplankton : Cyanobacteria (blauwwieren)

Chroococcus dispersus



abundantie-klassen  
 buiten telling  
 <= 5 ind./m  
 5 tot 500 ind./m  
 => 500 ind./m

**stowa**  
 Eco-atlas van waterorganismen

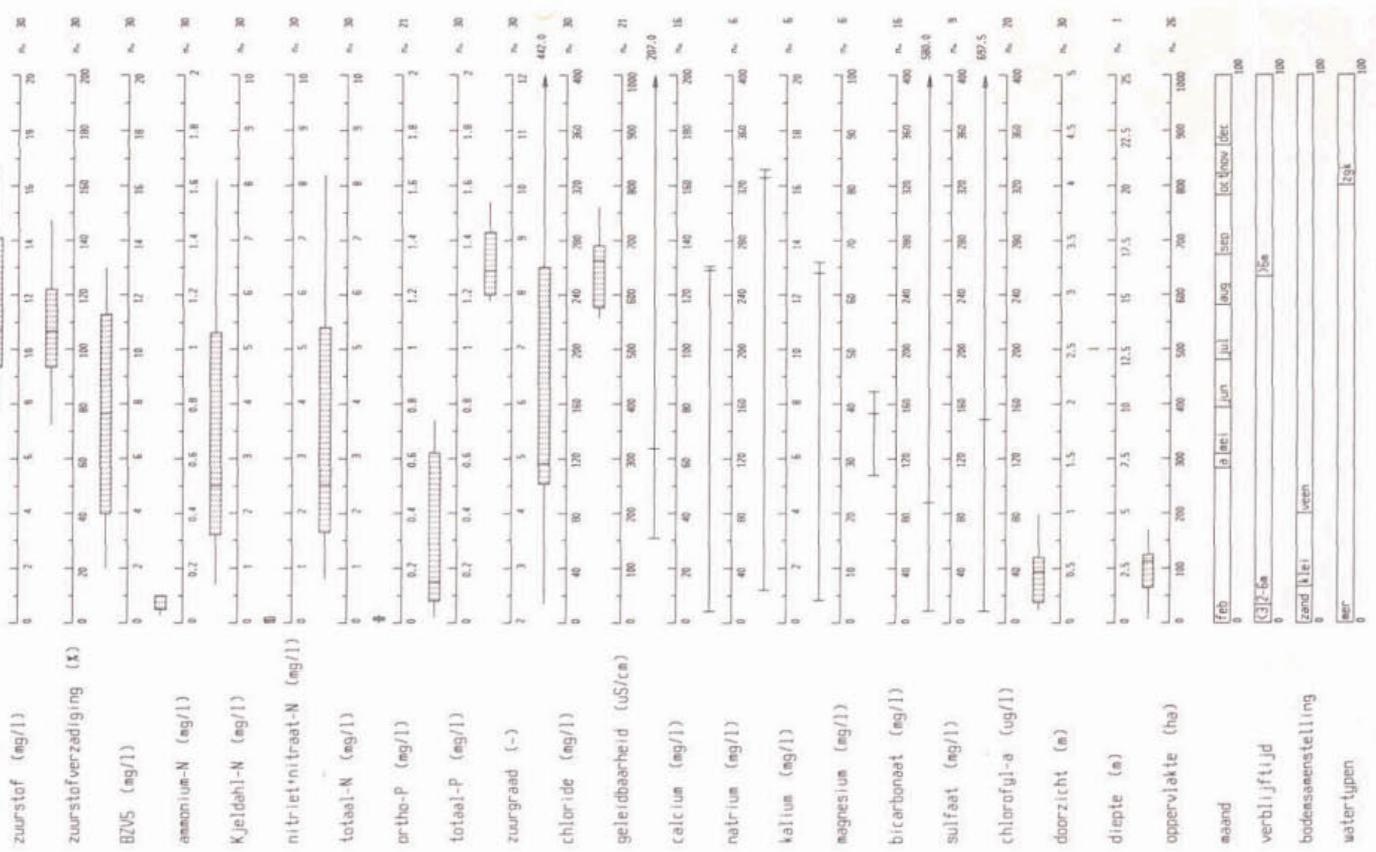
Chroococcus dispersus

vangsten : 30  
 locaties : 14  
 hokken : 12

watertypen  
 sloten  
 stromende wateren  
 kanden

meren  
 zand-, grind- en kleigaten

Chroococcus dispersus



maand:  feb  mar  jun  jul  aug  sept  oct/nov  dec

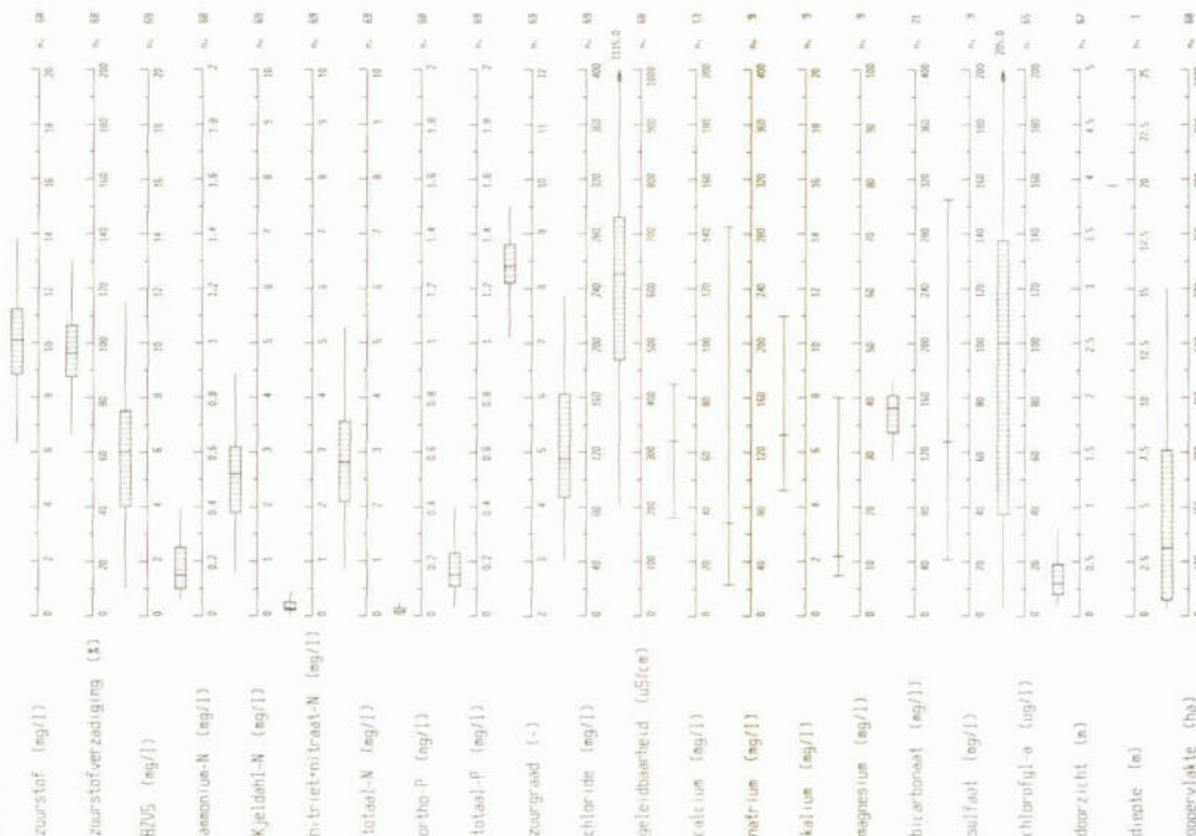
verblijftijd:  0  100

bodessaetstelling:  zand  klei  veen

watertypen:  meer  slot

Fytoplankton : Cyanobacteria (blauwwieren)  
**Chroococcus limneticus**

Chroococcus limneticus



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
apr	mei	jun	jul	aug	sep	oct	nov	dec	jan	feb	mar	apr	mei	jun	jul	aug	sep	oct	nov
34-7%												2-5%		15%					
2												1		100					
1												1		100					



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 >= 500 ind./ml

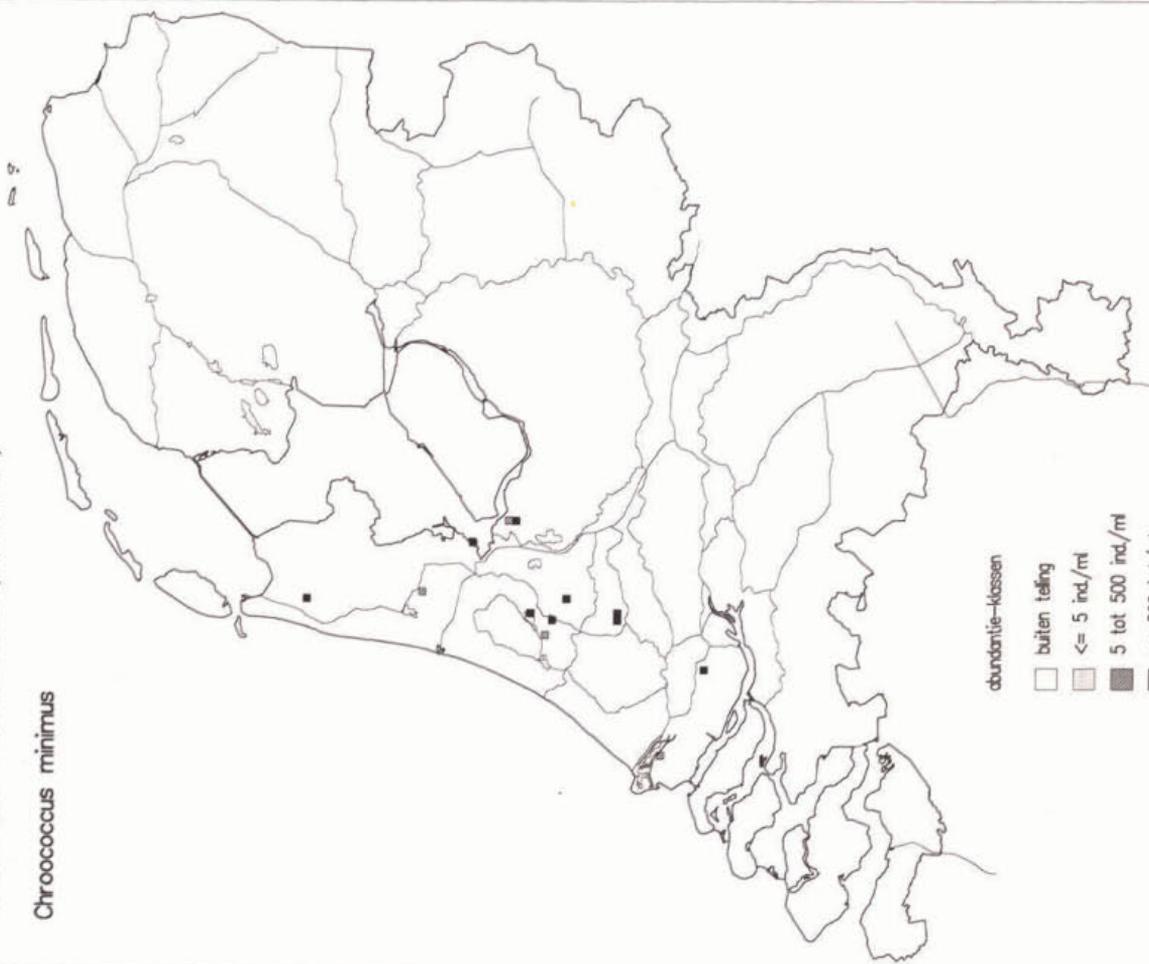
**stowa**  
 Eco-atlas van waterorganismen

**Chroococcus limneticus**

vangsten : 72	slotten	meren
locaties : 21	stromende wateren	zand-, grind- en kleigaten
habitat : 21	kanalen	

Fytoplankton : Cyanobacteria (blauwieren)

**Chroococcus minimus**



abundantie-klassen

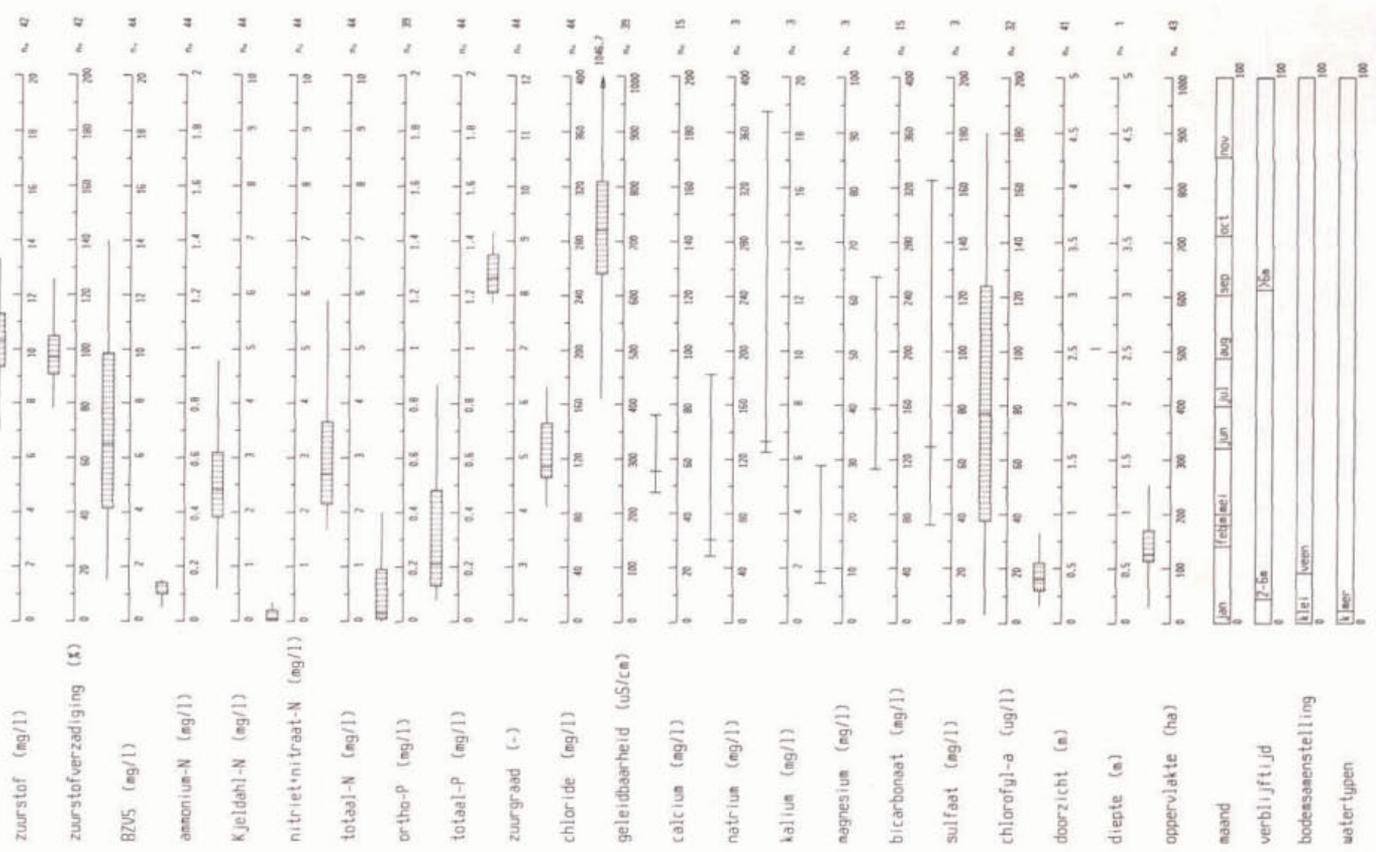
- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

**stowa**

Eco-atlas van waterorganismen

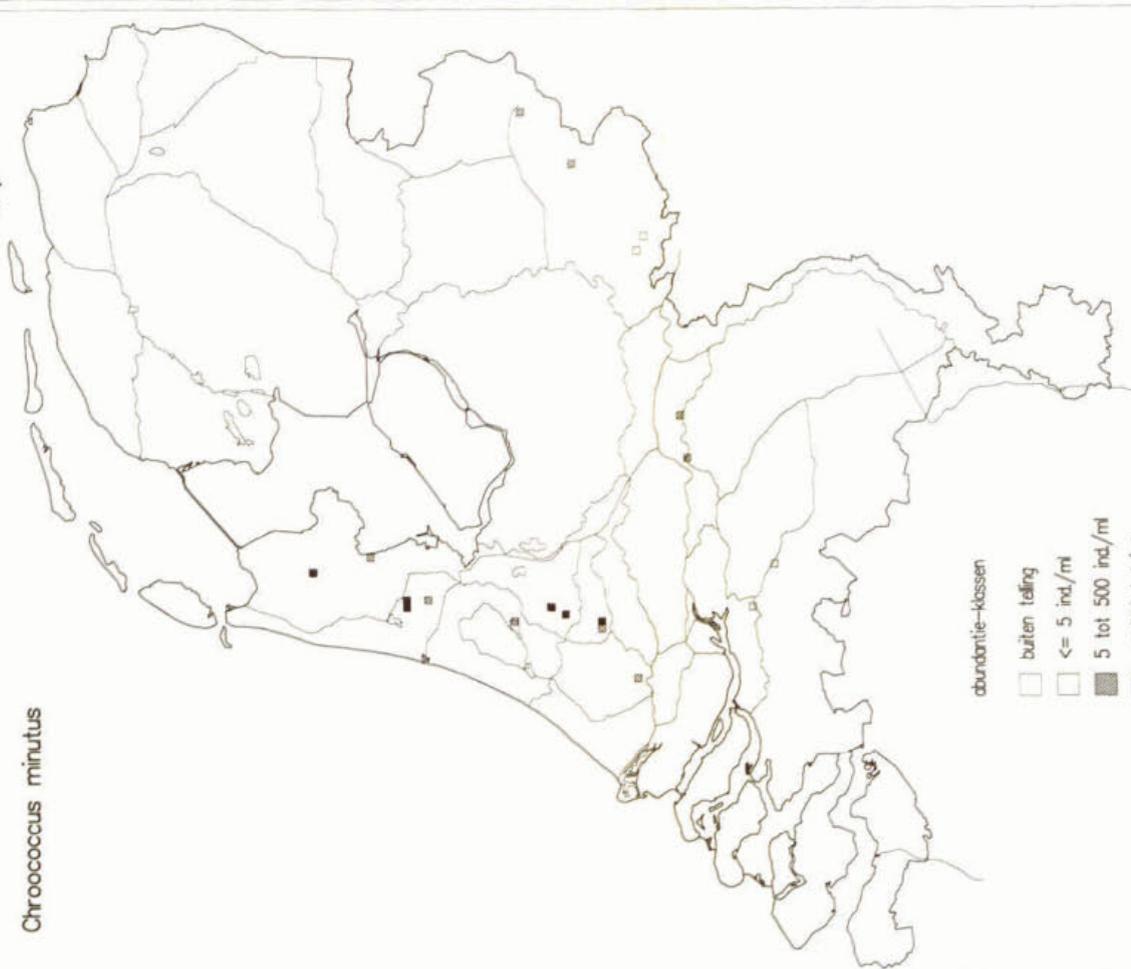
**Chroococcus minimus**

- vangsten : 44  sloten  meren
- locaties : 14  stromende wateren  zand-, gring- en hokken : 13  kanalen  kleigaten



Fytoplankton : Cyanobacteria (blauwieren)

*Chroococcus minutus*



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./m  
 ■ 5 tot 500 ind./m  
 ■ ≥ 500 ind./m

*Chroococcus minutus*

vangst : 26  
 locaties : 20  
 hokken : 20

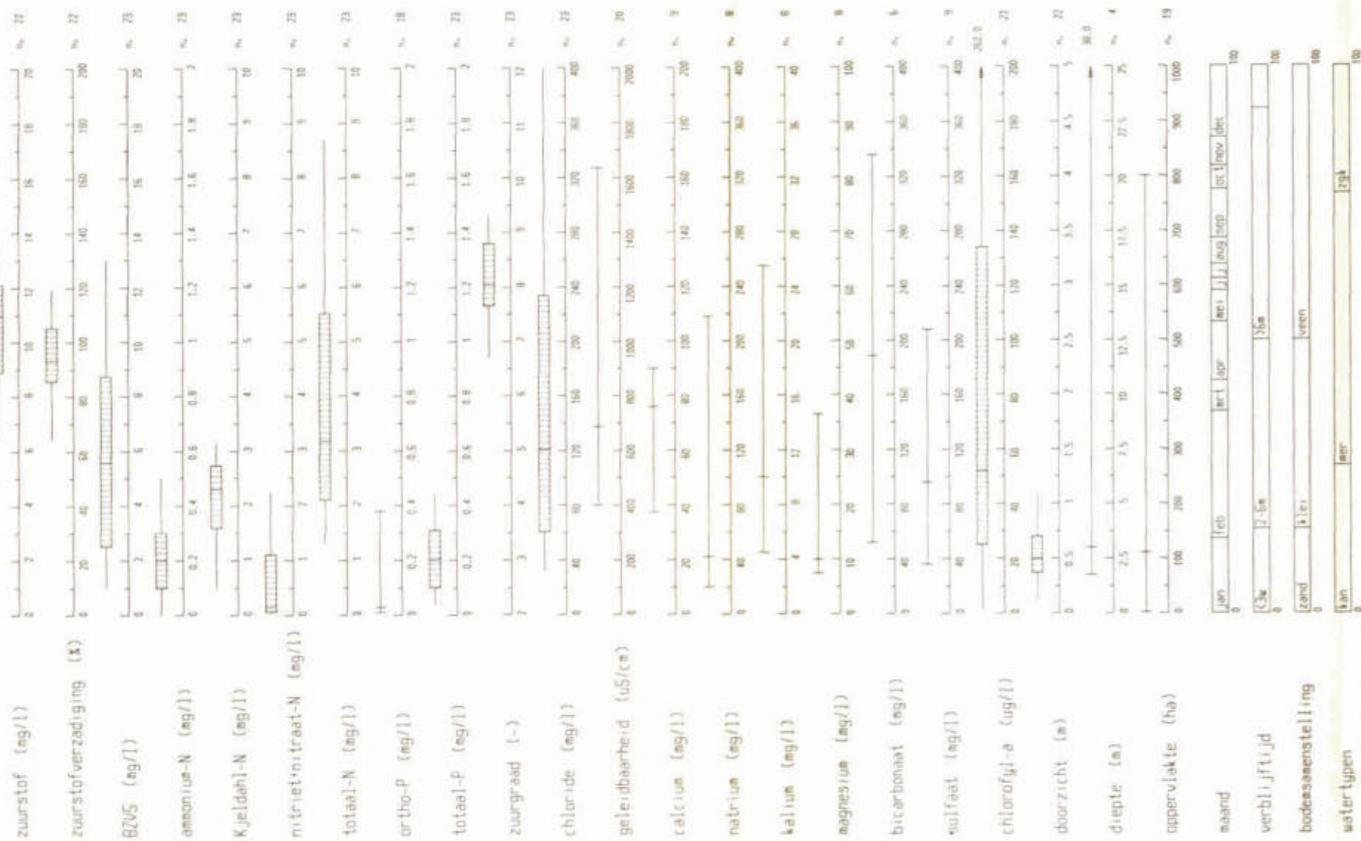
watertypen  
 □ sloten  
 □ stromende wateren  
 □ kanalen

meren  
 □ zand-, grind- en kleigaten

**stowa**

Eco-atlas van waterorganismen

*Chroococcus minutus*



zwaartstof (mg/l) 0 2 4 6 8 10 12 14 16 18 20 22

zwaartstofverzadiging (%) 0 20 40 60 80 100 120 140 160 180 200

BZVS (mg/l) 0 2 4 6 8 10 12 14 16 18 20 23

ammonium-N (mg/l) 0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.3

Kjeldahl-N (mg/l) 0 1 2 3 4 5 6 7 8 9 10 23

nitriet/nitraat-N (mg/l) 0 1 2 3 4 5 6 7 8 9 10 23

totaal-N (mg/l) 0 1 2 3 4 5 6 7 8 9 10 23

ortho-P (mg/l) 0 0.2 0.4 0.5 0.6 1 1.2 1.4 1.5 1.6 1.8 2 2.3

totaal-P (mg/l) 0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.3

zuurgraad (-) 0 2 4 5 6 7 8 9 10 11 12 23

chloride (mg/l) 0 40 80 120 160 200 240 280 320 360 400 23

geleidbaarheid (µS/cm) 0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 20

calcium (mg/l) 0 20 40 60 80 100 120 140 160 180 200 3

natrium (mg/l) 0 40 80 120 160 200 240 280 320 360 400 8

kalium (mg/l) 0 4 8 12 16 20 24 28 32 36 40 8

magnesium (mg/l) 0 10 20 30 40 50 60 70 80 90 100 8

bicarbonaat (mg/l) 0 40 80 120 160 200 240 280 320 360 400 8

sulfaat (mg/l) 0 40 80 120 160 200 240 280 320 360 400 8

chlorofyl-a (µg/l) 0 20 40 60 80 100 120 140 160 180 200 252.8

doorzicht (m) 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5 22

diepte (m) 0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25 4

opervlakte (ha) 0 100 200 300 400 500 600 700 800 900 1000 13

saand  
 0 100 200 300 400 500 600 700 800 900 1000 100

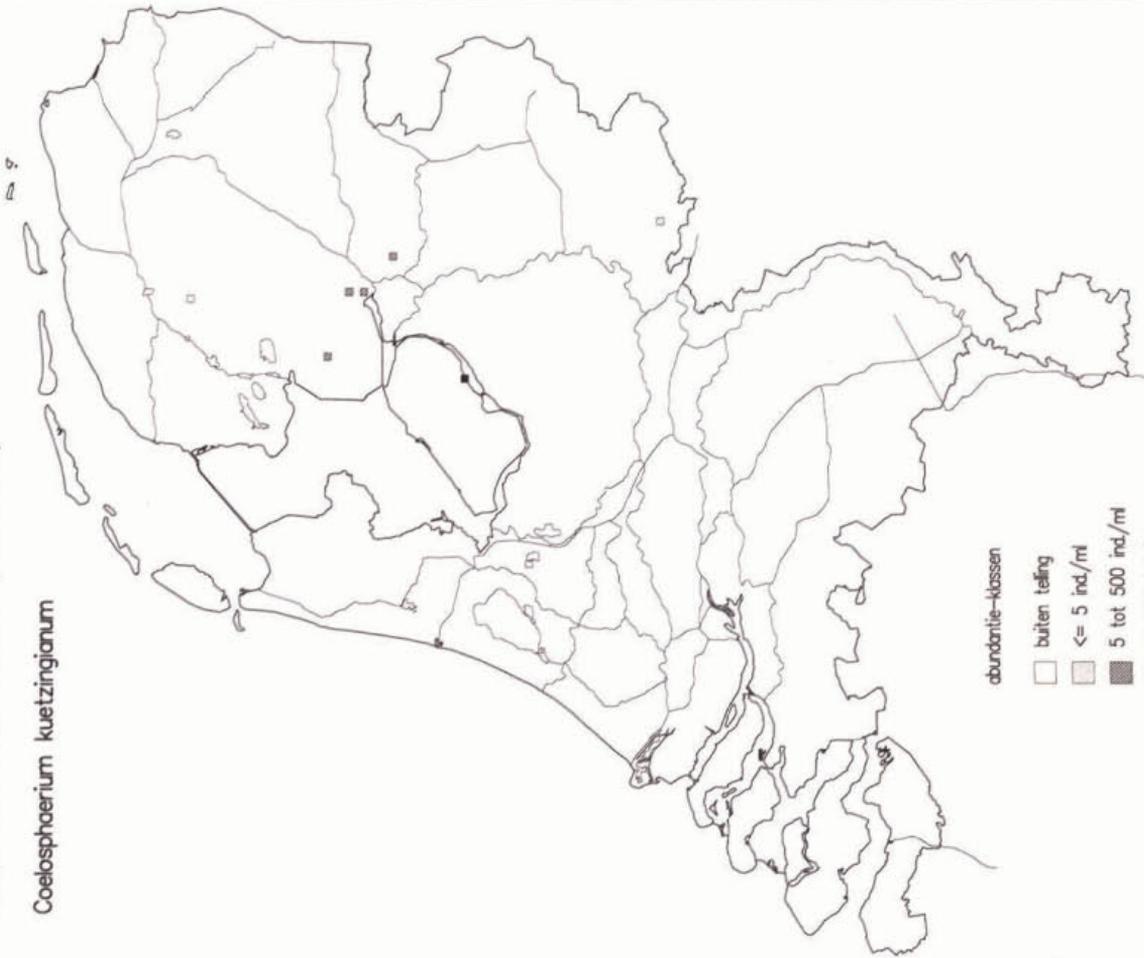
verblijftijd  
 0 100 200 300 400 500 600 700 800 900 1000 100

bodaaanstelling  
 0 100 200 300 400 500 600 700 800 900 1000 100

watertypen  
 0 100 200 300 400 500 600 700 800 900 1000 100

Fytoplankton : Cyanobacteria (blauwwieren)

Coelosphaerium kuetzingianum



abundantie-klassen

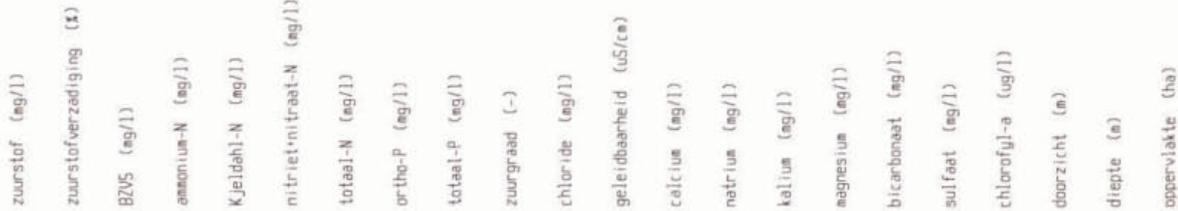
- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

**stowa**

Eco-atlas van waterorganismen

Coelosphaerium kuetzingianum

- |               |  |   |
|---------------|--|---|
| vangsten : 23 | <input type="checkbox"/> sloten            | <input type="checkbox"/> meren                      |
| locaties : 9  | <input type="checkbox"/> stromende wateren | <input type="checkbox"/> zand-, grind- en kleigaten |
| hokken : 8    | <input type="checkbox"/> kanalen           |   |



maand : jan feb mrt apr mei jun jul aug sep oct nov dec

jaar : 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021

locatie : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

hok : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

Fytoplankton : Cyanobacteria (blauwwieren)  
**Dactylococcopsis acicularis**



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 >= 500 ind./ml

**Dactylococcopsis acicularis**

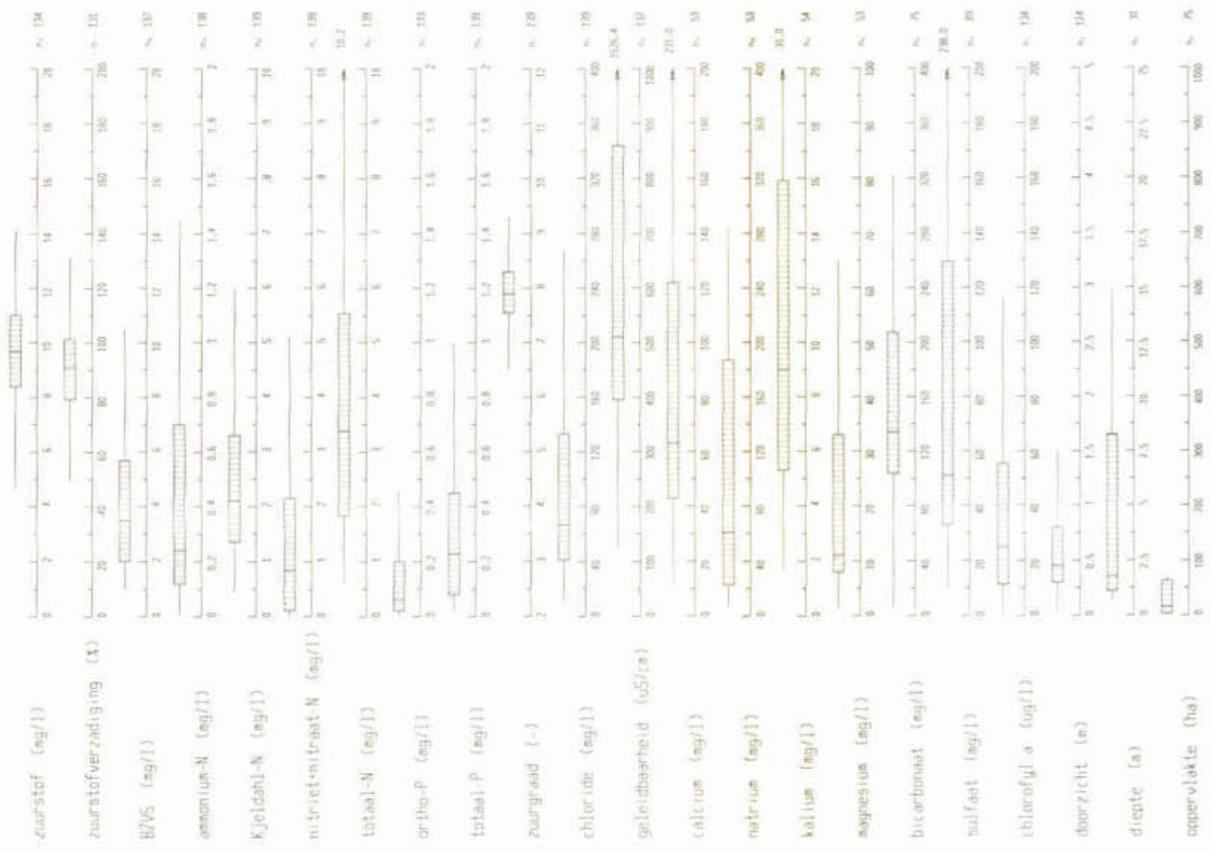
vangsten : 154  
 locaties : 76  
 hakken : 73

sluis  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten



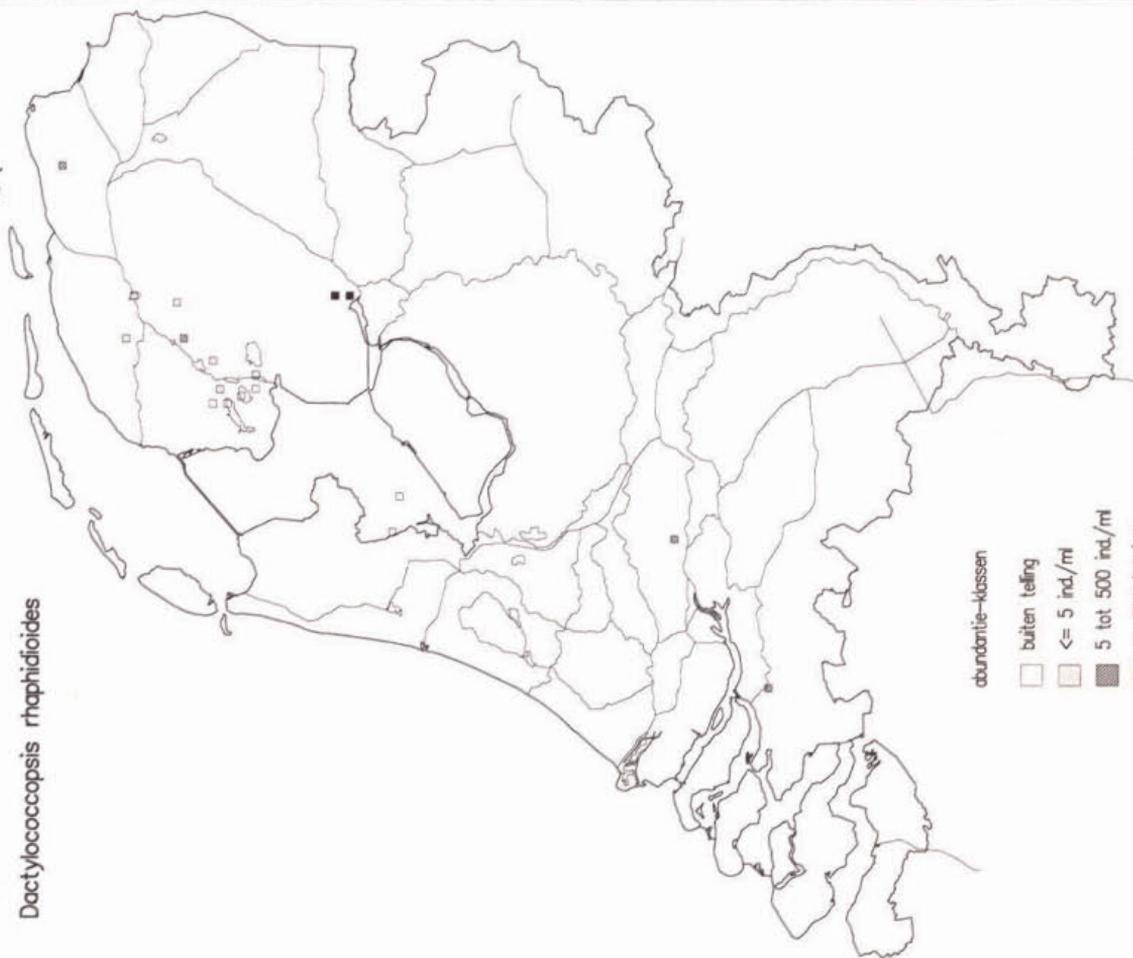
**Dactylococcopsis acicularis**



maand	jan	feb	mar	apr	mei	jun	juli	aug	sep	oct	nov	dec
verbliftijd	0	30	70	100	130	160	190	220	250	280	310	340
bodemaaanstelling	0	10	20	30	40	50	60	70	80	90	100	110
waterlupen	0	10	20	30	40	50	60	70	80	90	100	110

Fytoplankton : Cyanobacteria (blauwwieren)

*Dactylococcopsis raphidioides*



abundantie-klassen

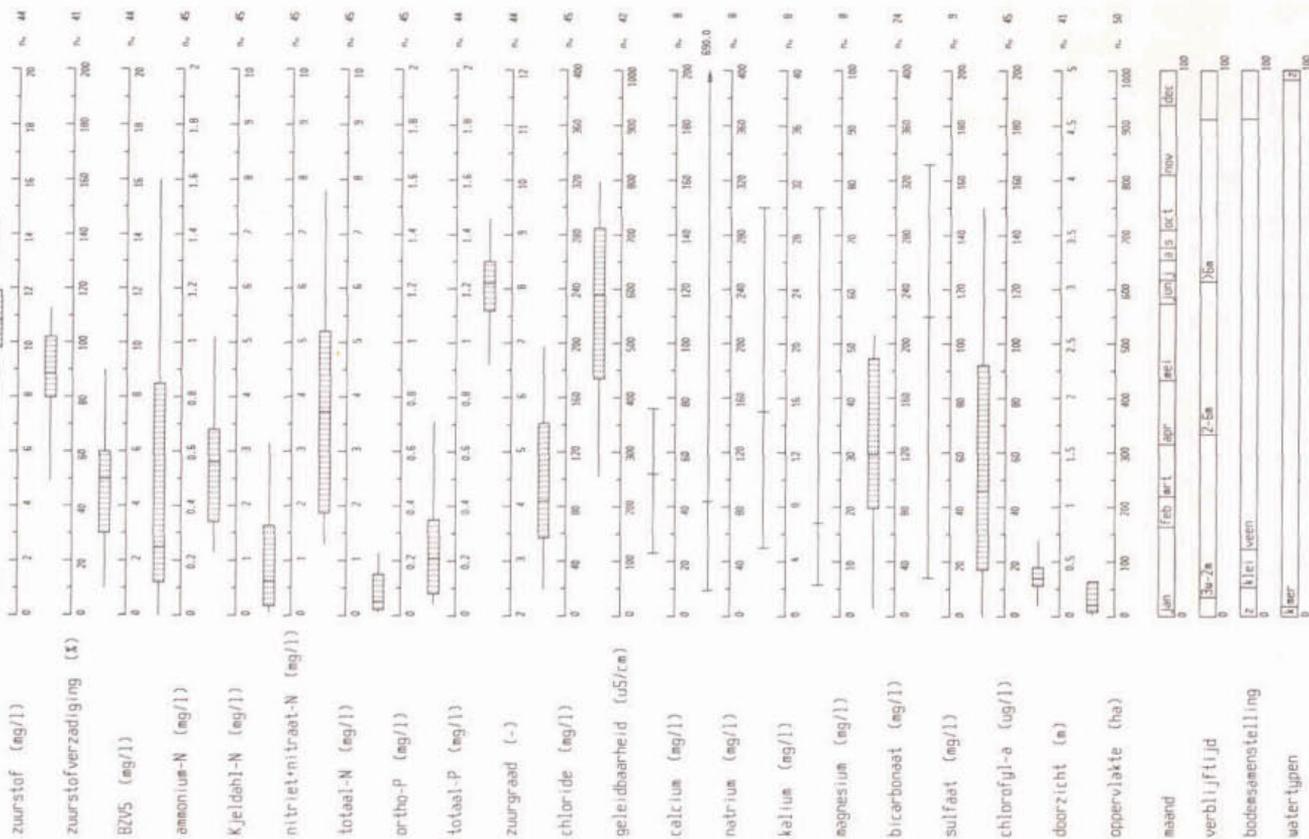
- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

**Dactylococcopsis raphidioides**

vangsten : 57	watertypen <input type="checkbox"/> sloten <input type="checkbox"/> meren
locaties : 20	<input type="checkbox"/> stromende wateren <input type="checkbox"/> zand-, grind- en kleigaten
hokken : 19	<input type="checkbox"/> kanden

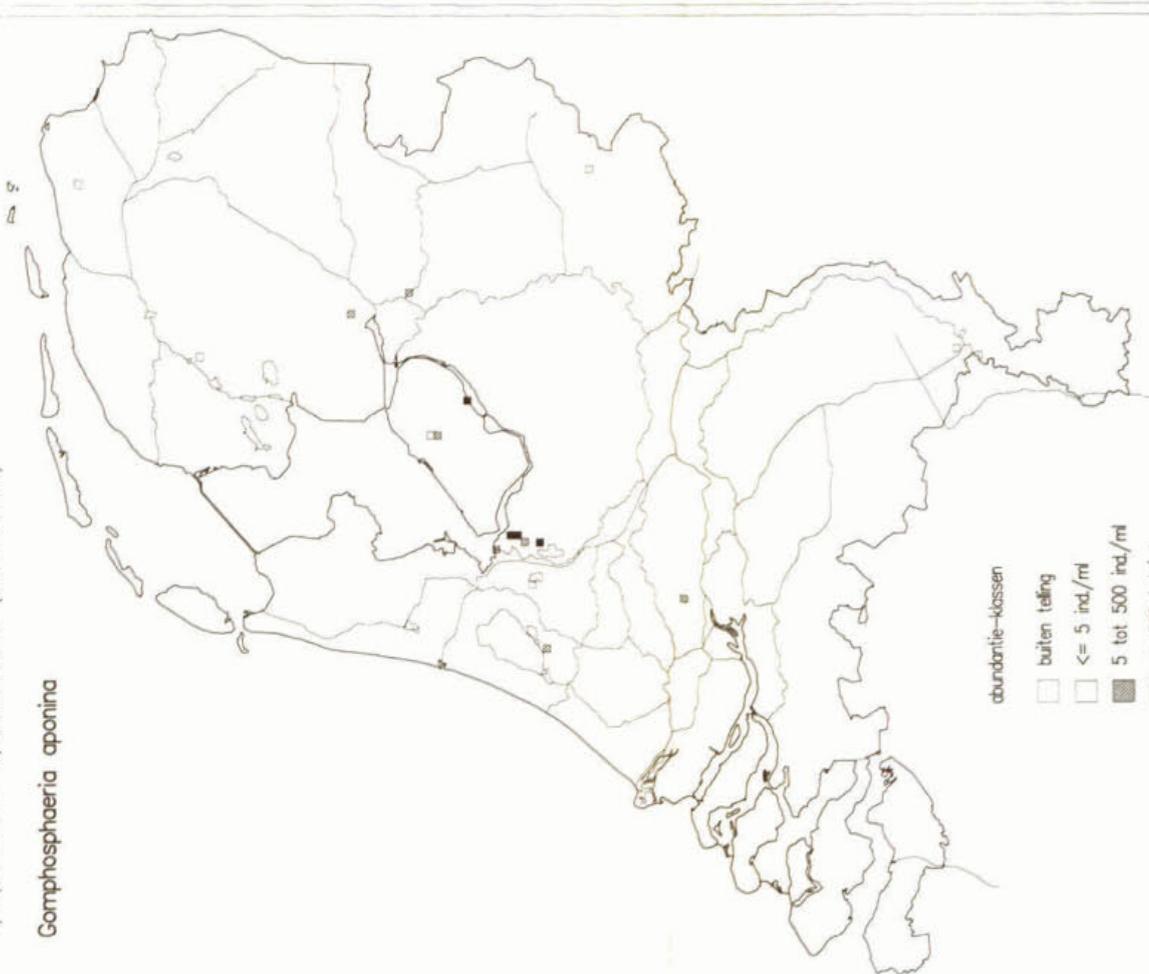
**stowa**  
Eco-atlas van waterorganismen

Dactylococcopsis raphidioides



Fytoplankton : Cyanobacteria (blauwwieren)

Gomphosphaeria aponina



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ => 500 ind./ml

Gomphosphaeria aponina

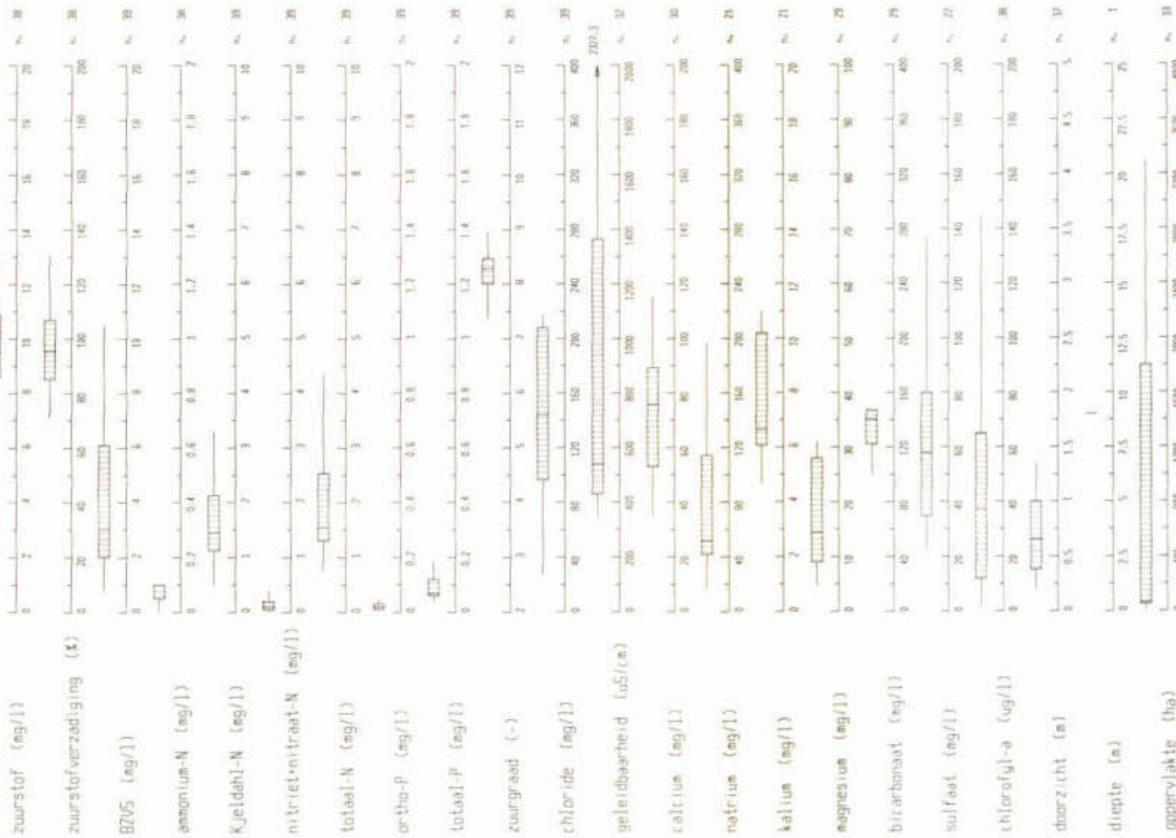
vangsten : 39  
 locaties : 15  
 hobben : 18

watertypen  
 □ solten  
 □ stromende wateren  
 □ kanden

☉ zand-, grind- en kleigaten  
 ☉ meren

**stowa**  
 Eco-atlas van waterorganismen

Gomphosphaeria aponina



maand:  jan  feb  apr  mei  jun  jul  aug  sep  okt  nov  dec

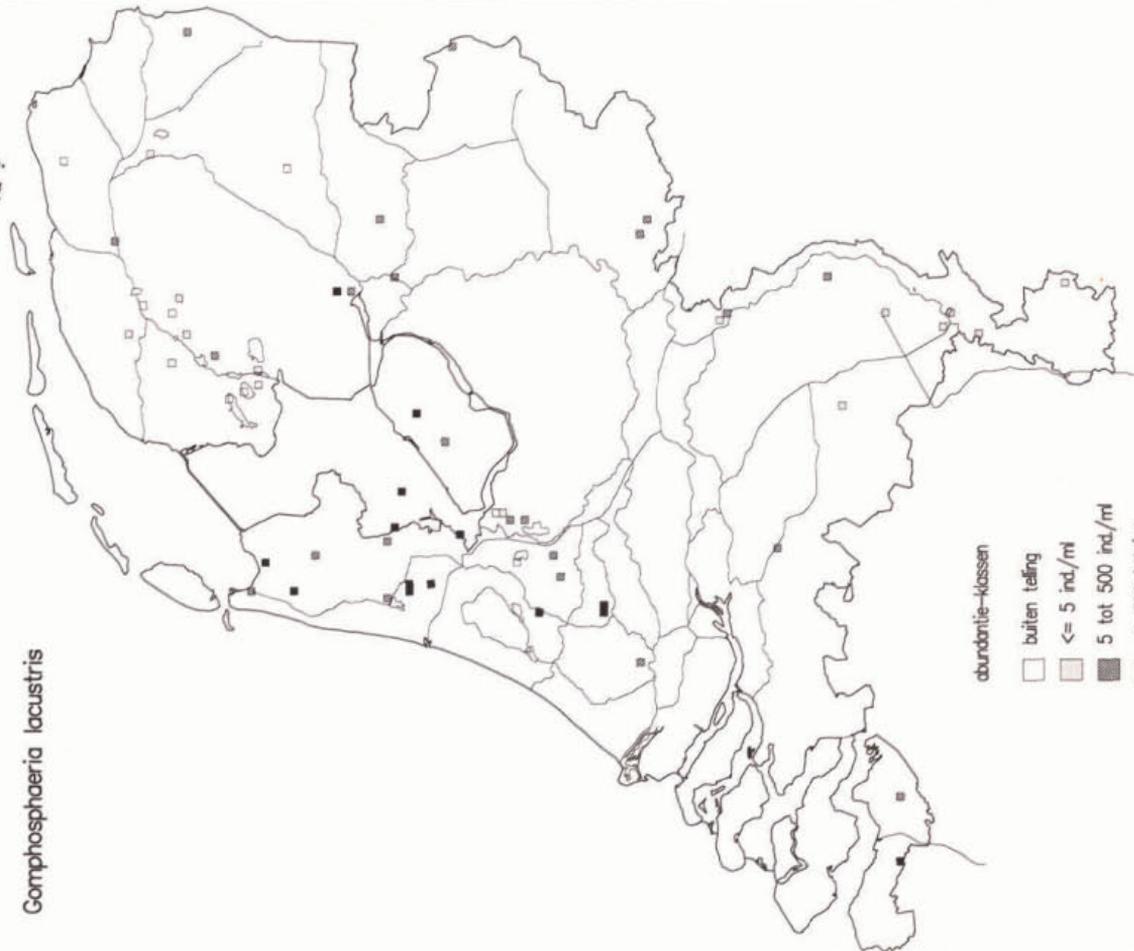
verbljftijd:  1-6  7-6  100

bodesaamstelling:  klei  zand  grind  kleigaten

watertypen:  k  l  m  n  o  p  q  r  s  t  u  v  w  x  y  z

Fytoplankton : Cyanobacteria (blauwwieren)

Gomphosphaeria lacustris



abundantie-klassen

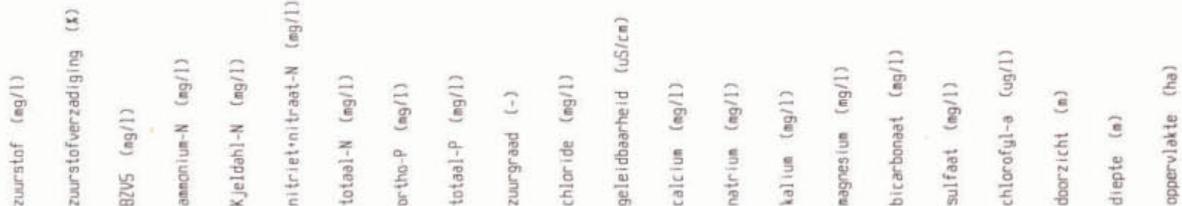
- buiten telling
- <= 5 ind./m<sup>3</sup>
- 5 tot 500 ind./m<sup>3</sup>
- => 500 ind./m<sup>3</sup>

Gomphosphaeria lacustris

- vangsten : 188
- localities : 62
- holken : 62

**stowa**

Eco-atlas van waterorganismen



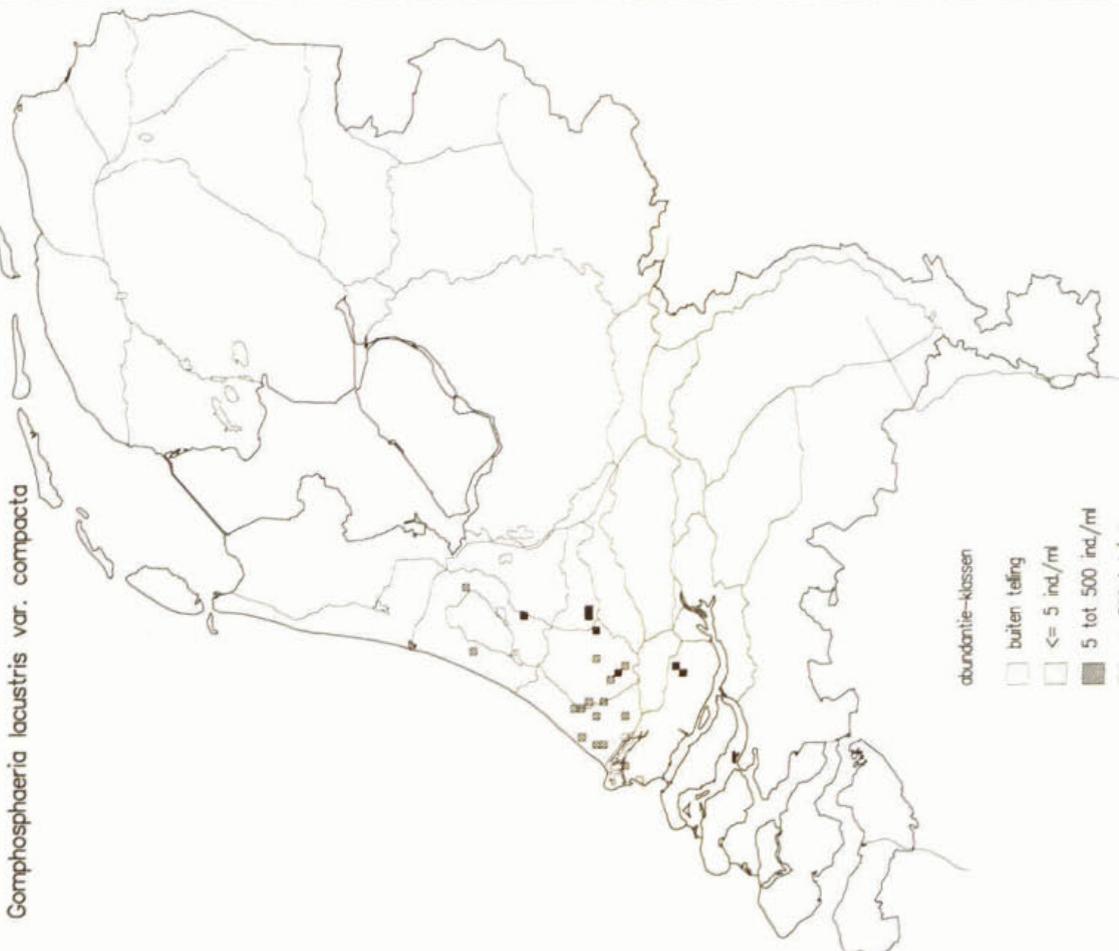
maand:  jan  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

verbliftijd:  1-2  3-4  5-6  7-8  9-10  11-12

bodensamenstelling:  zand  klei  veen

watertypen:  kan  mer  rivier  sloot  vijver  waterloop  waterplas  waterpartij  waterweg  waterloop  waterplas  waterpartij  waterweg

Fytoplankton : Cyanobacteria (blauwwieren)  
**Gomphosphaeria locustris var. compacta**



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

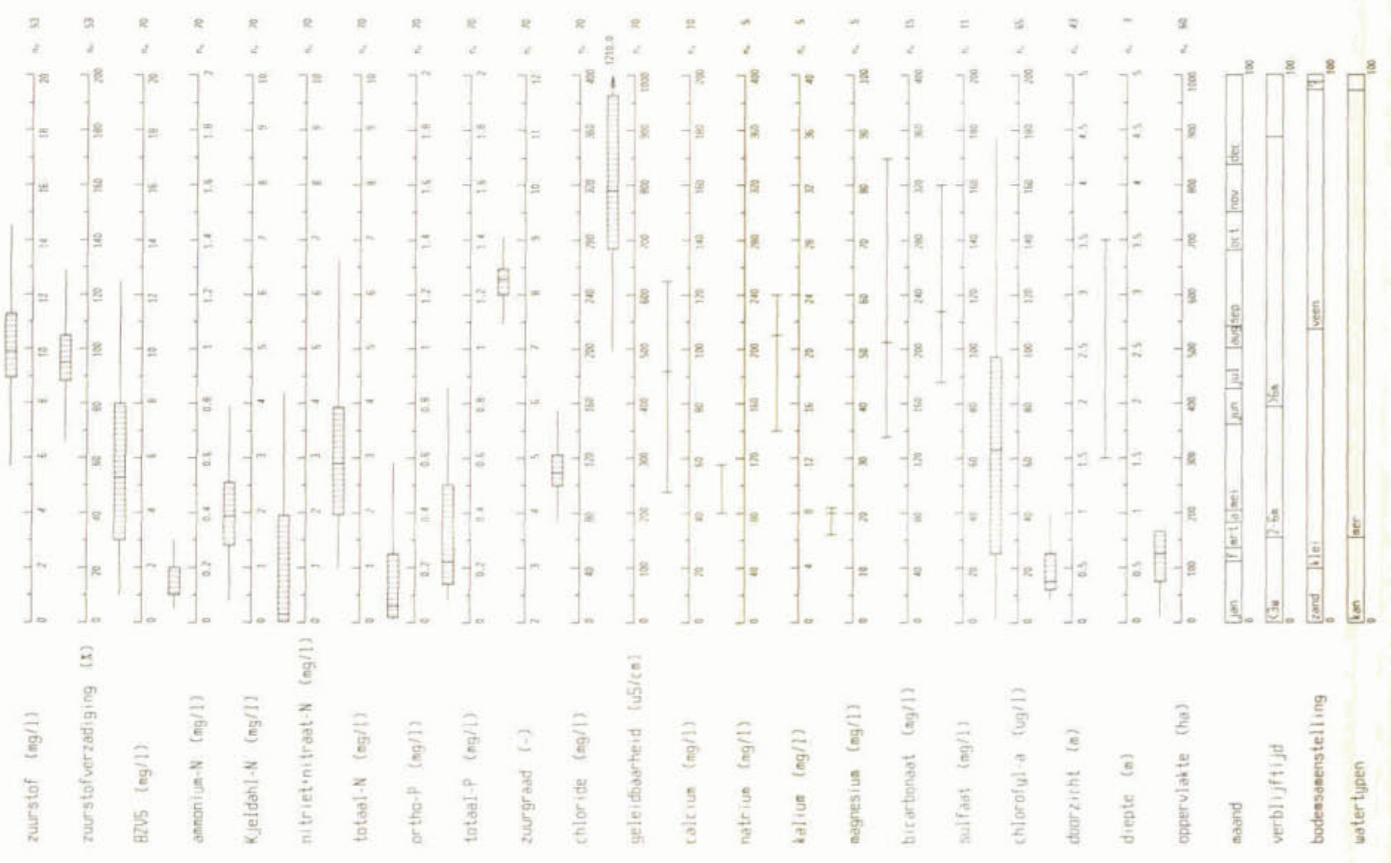
Gomphosphaeria locustris var. compacta

vangsten : 71  
 locaties : 25  
 hokken : 24

water typen  
 skien  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

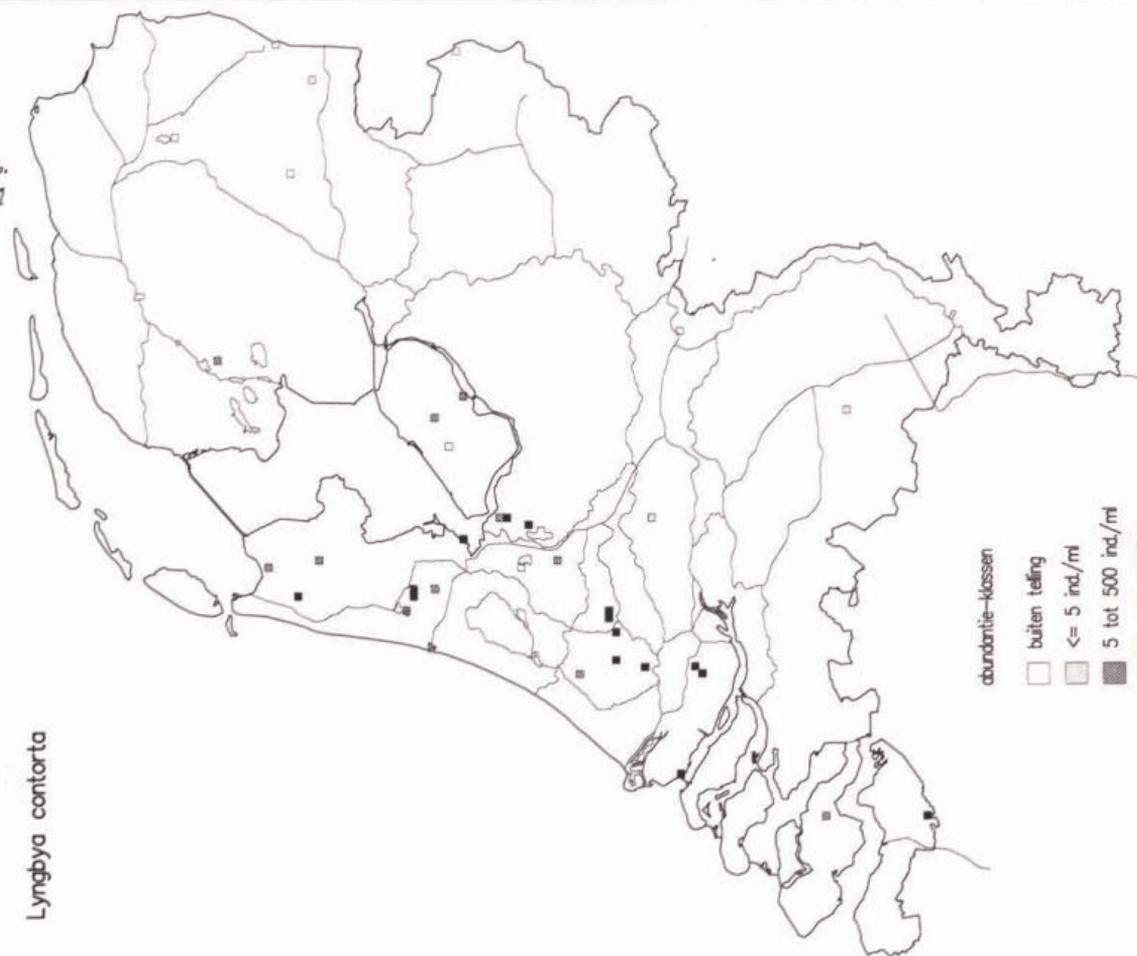


Gomphosphaeria locustris var. compacta



Fytoplankton : Cyanobacteria (blauwwieren)

Lyngbya contorta



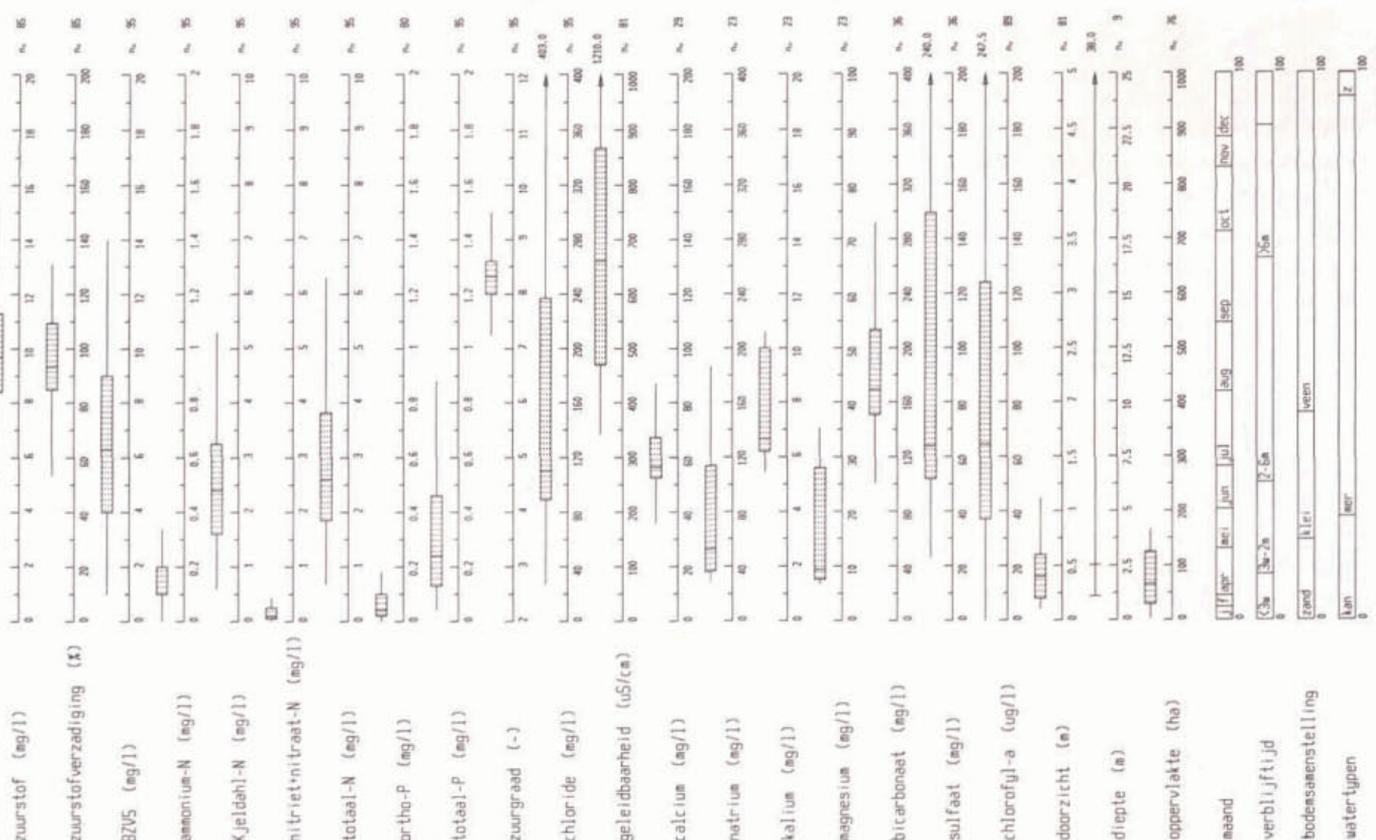
**stowa**  
Eco-atlas van waterorganismen

Lyngbya contorta

vangsten : 95  
localities : 37  
hokken : 36

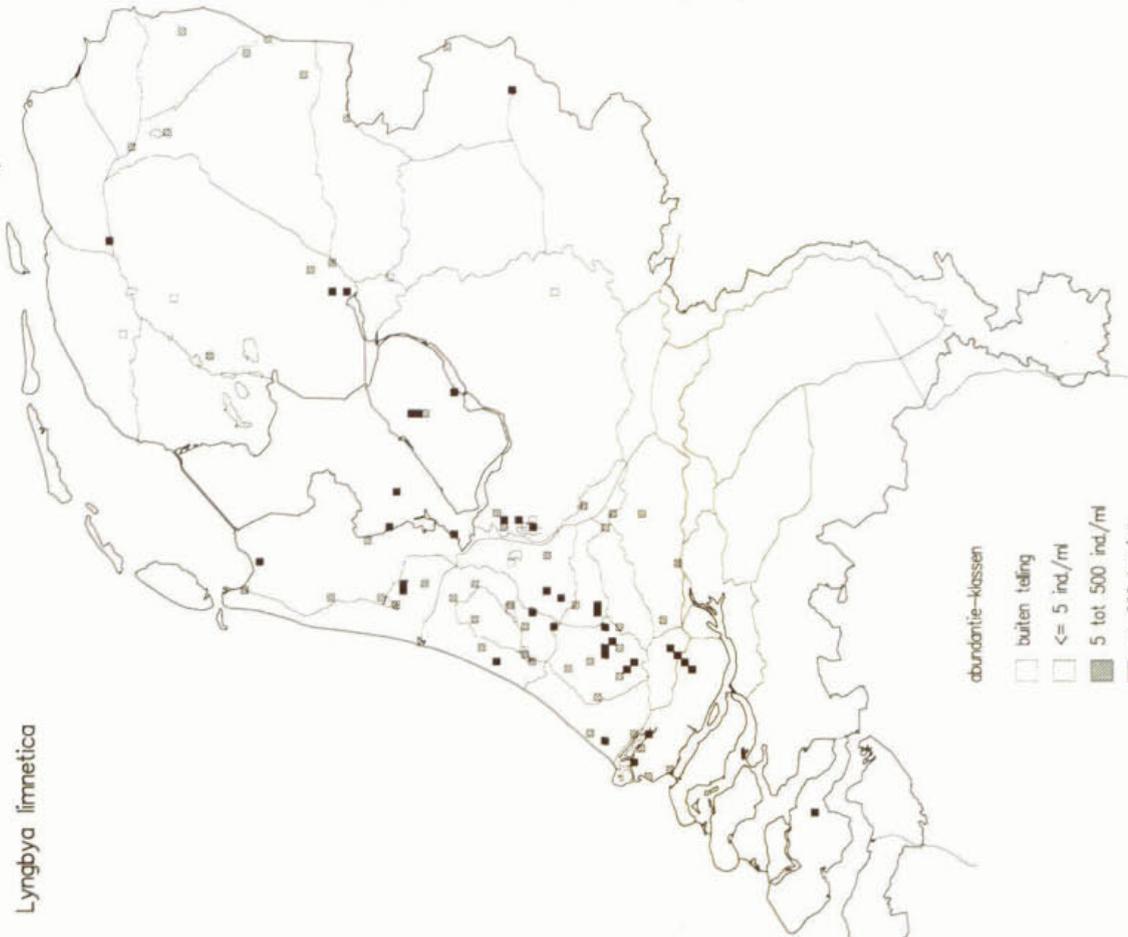
watertypen  
 slotten  
 stromende wateren  
 zand-, grind- en kleigaten

Lyngbya contorta



Fytoplankton : Cyanobacteria (blauwwieren)

Lyngbya limnetica



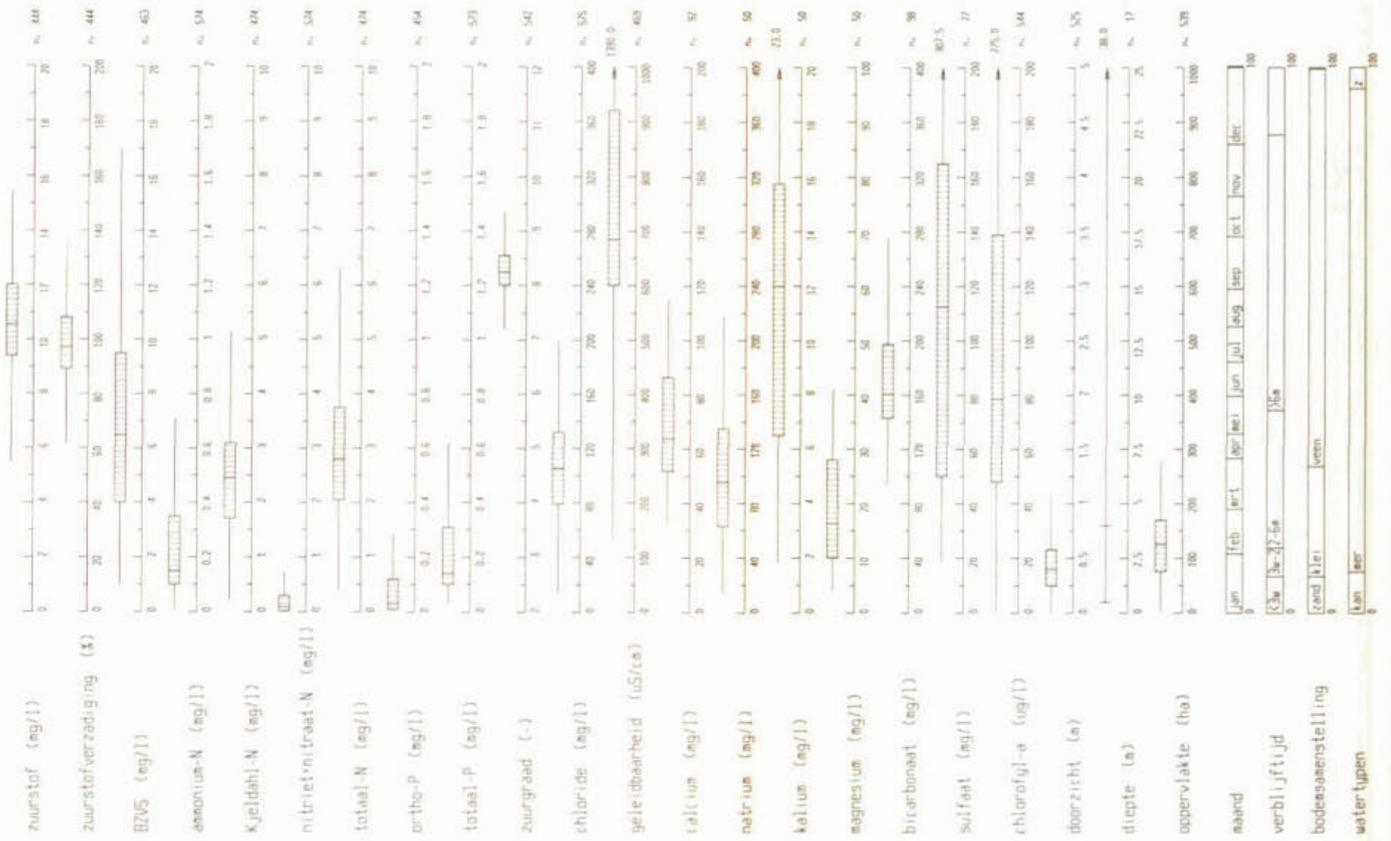
abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

Lyngbya limnetica  
 □ sloten  
 □ stromende wateren  
 □ meren  
 □ zand-, grind- en kleigaten  
 □ landen

vangsten : 590  
 locaties : 95  
 hokken : 91

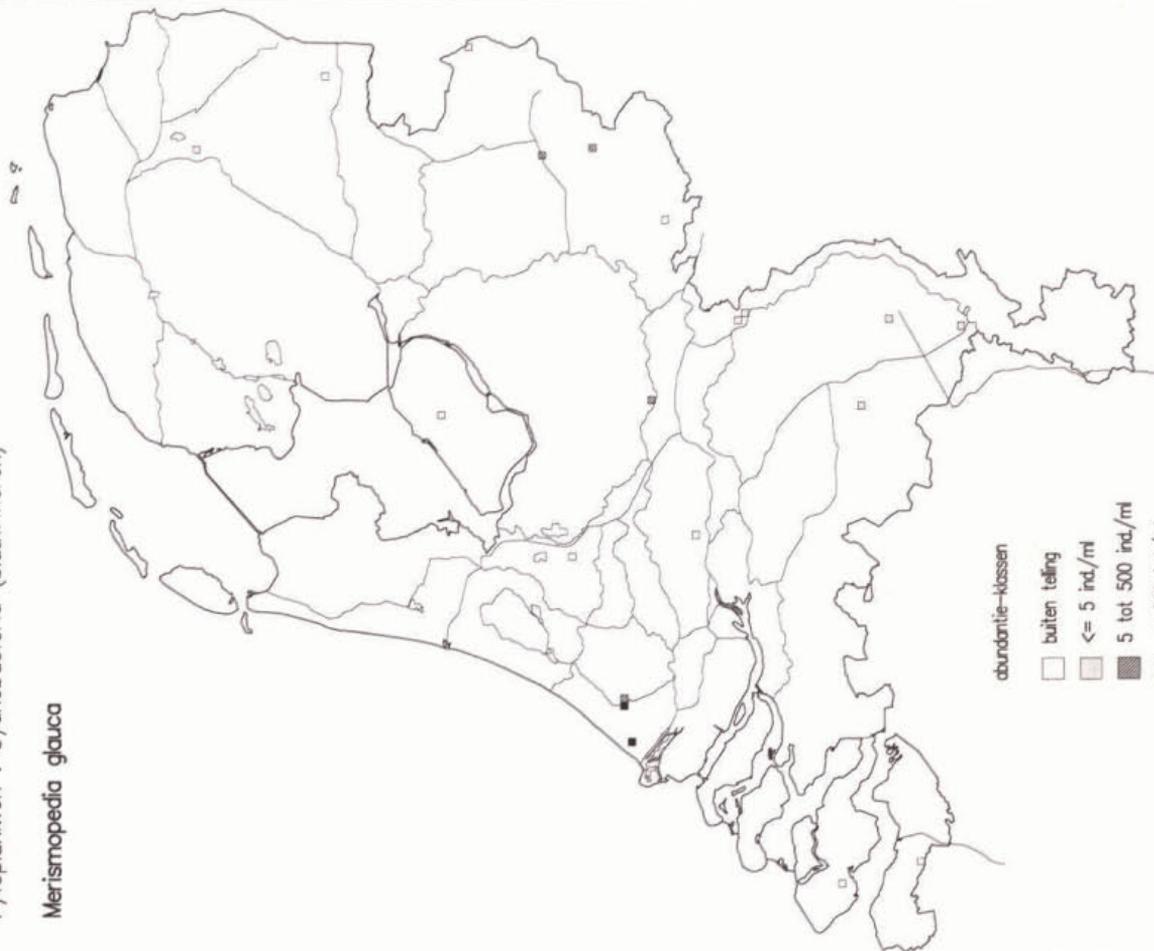
**stowa**  
 Eco-atlas van waterorganismen

Lyngbya limnetica



Fytoplankton : Cyanobacteria (blauwwieren)

**Merismopedia glauca**



abundantie-klasse  
 □ buiten telling  
 □ ≤ 5 ind./m  
 □ 5 tot 500 ind./m  
 □ => 500 ind./m

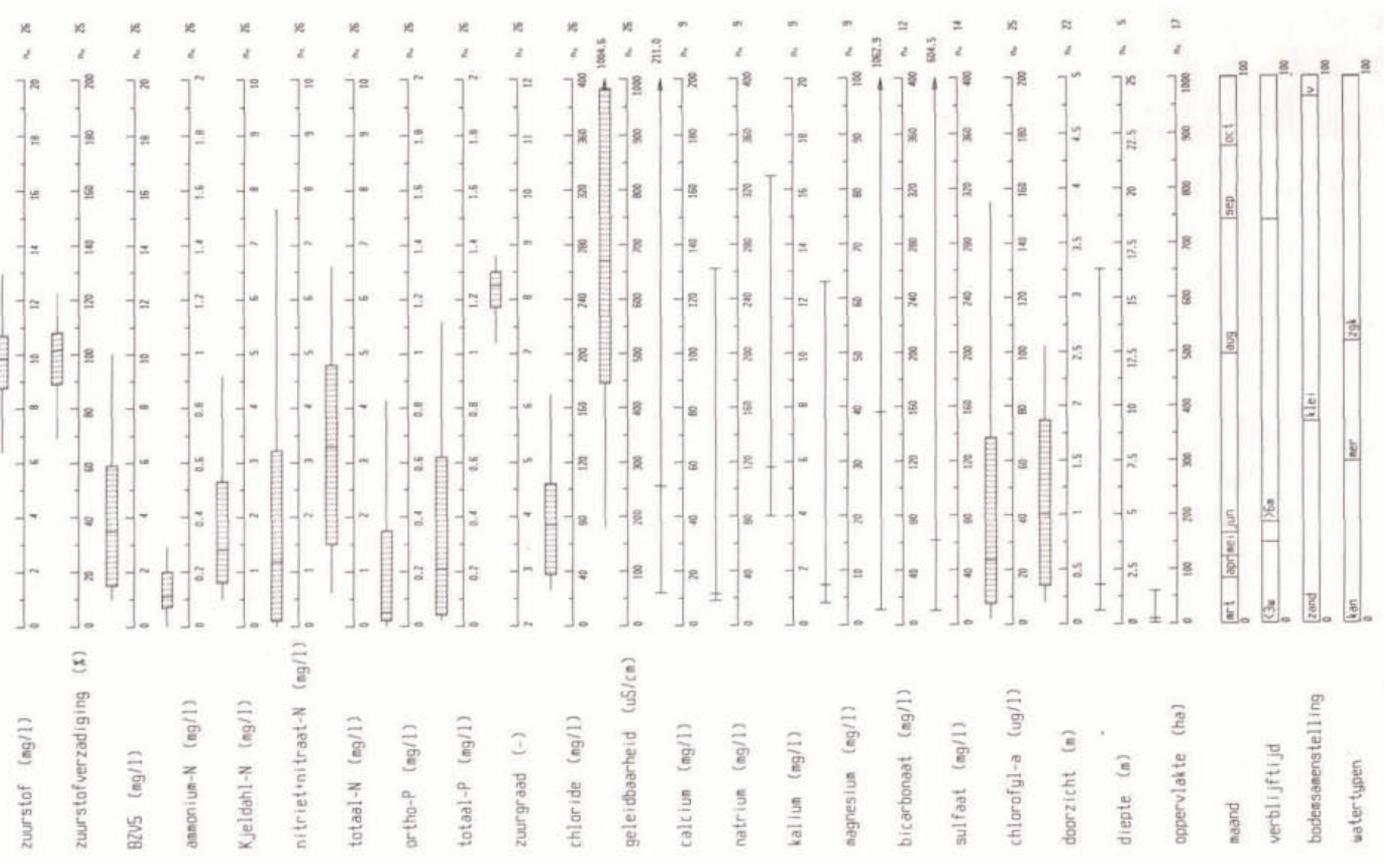
**stowa**  
 Eco-atlas van waterorganismen

vangsten : 27  
 locaties : 20  
 hokken : 20

**Merismopedia glauca**

water-typen  
 sloten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

**Merismopedia glauca**



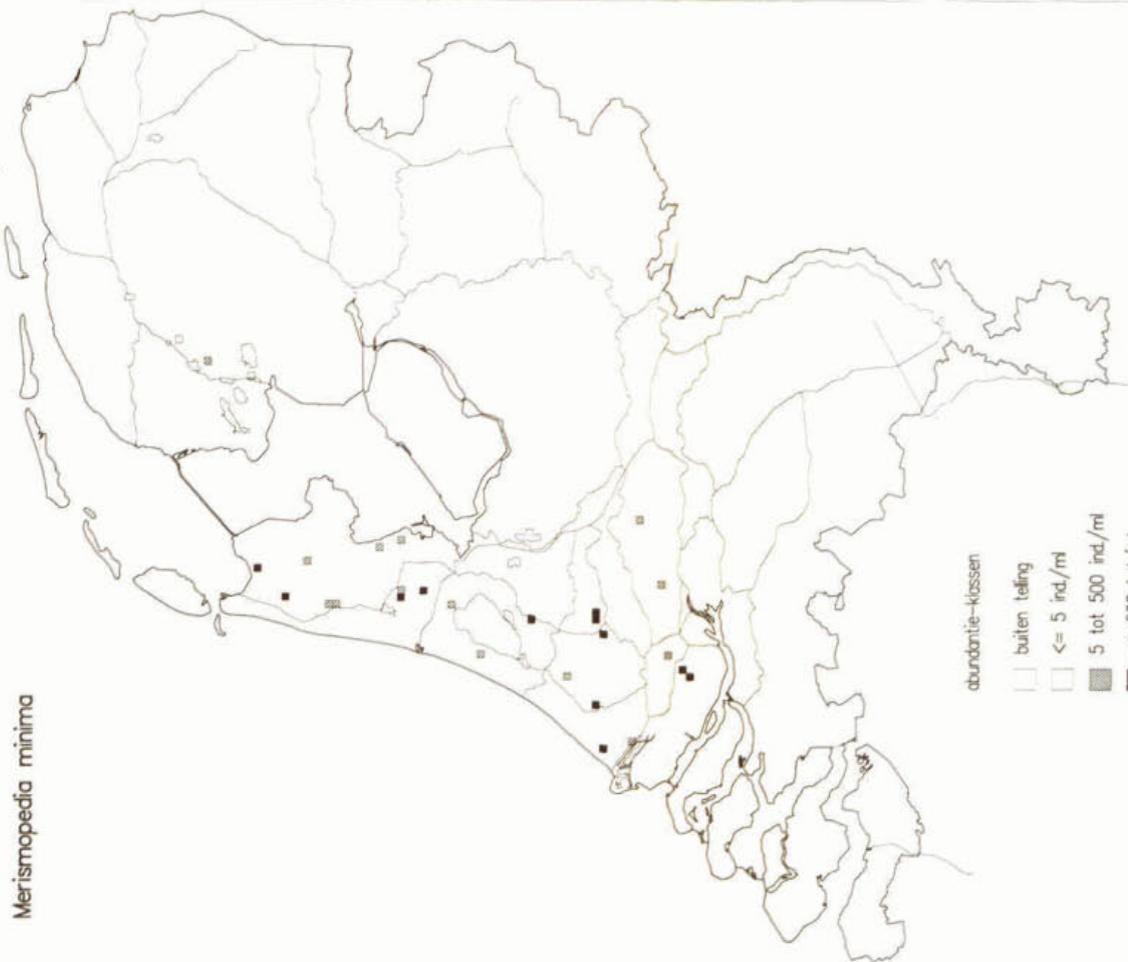
maand:  apr  mei  jun  jul  aug  sep  oct  nov  dec

locatie:  35a  35b  35c  35d  35e  35f  35g  35h  35i  35j  35k  35l  35m  35n  35o  35p  35q  35r  35s  35t  35u  35v  35w  35x  35y  35z

water-typen:  sloten  stromende wateren  kanalen  meren  zand-, grind- en kleigaten

Fytoplankton : Cyanobacteria (blauwwieren)

Merismopedia minima



Merismopedia minima

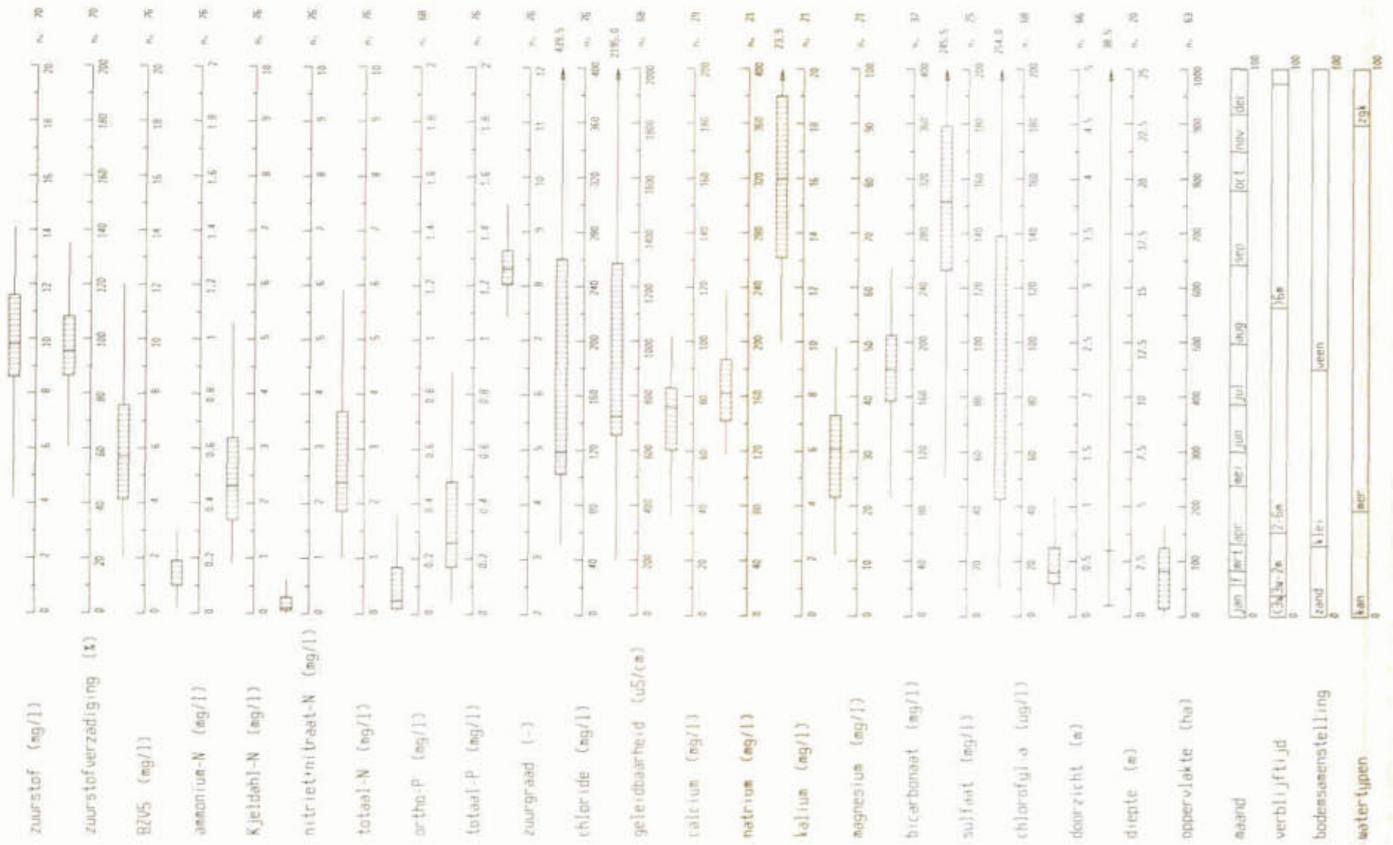
vangsten : 78  
 locaties : 29  
 bakken : 29

watersloten  
 stromende wateren  
 zand-, grind- en kleigaten  
 karven

**stowa**

Eco-atlas van waterorganismen

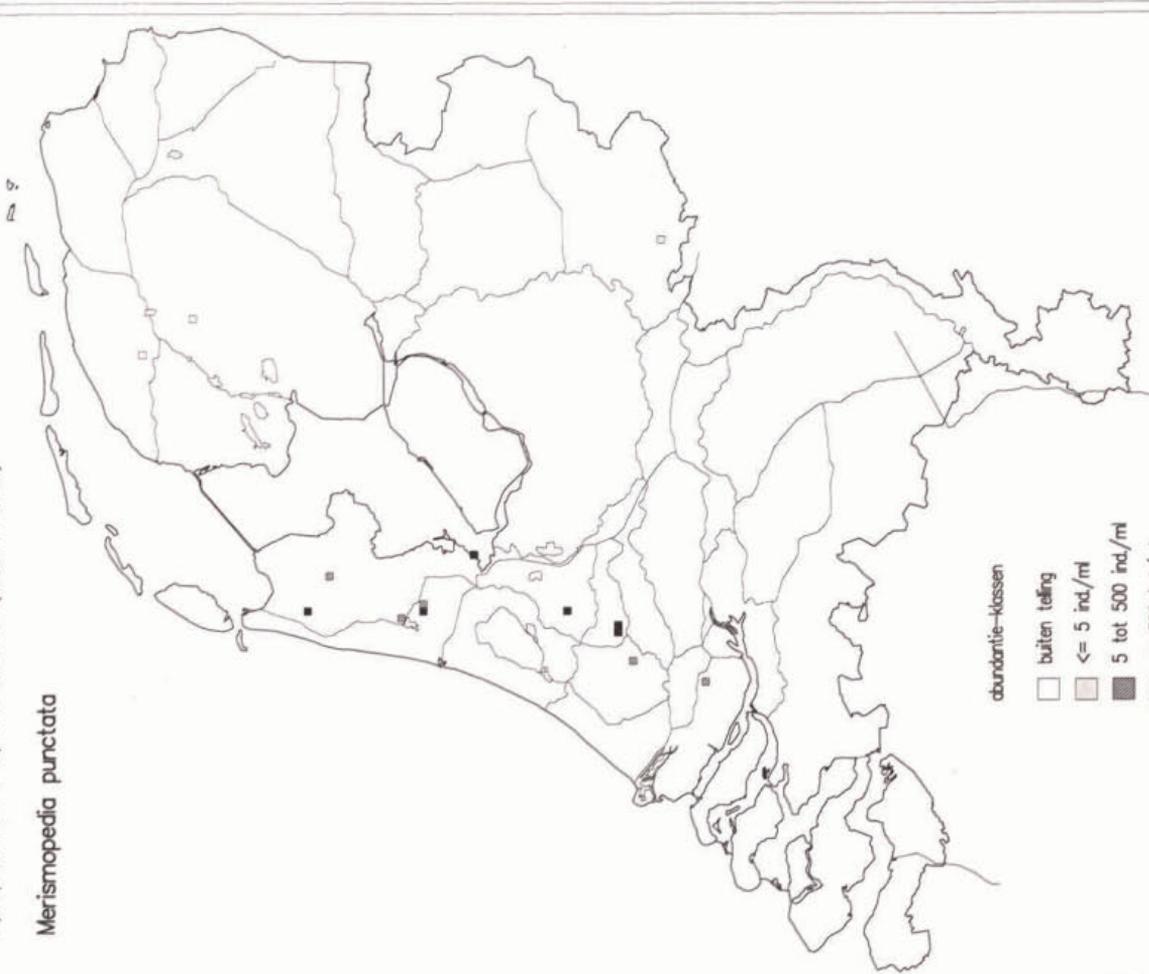
Merismopedia minima



Jan	Feb	Mar	Apr	Mei	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0

Fytoplankton : Cyanobacteria (blauwieren)

Merismopedia punctata

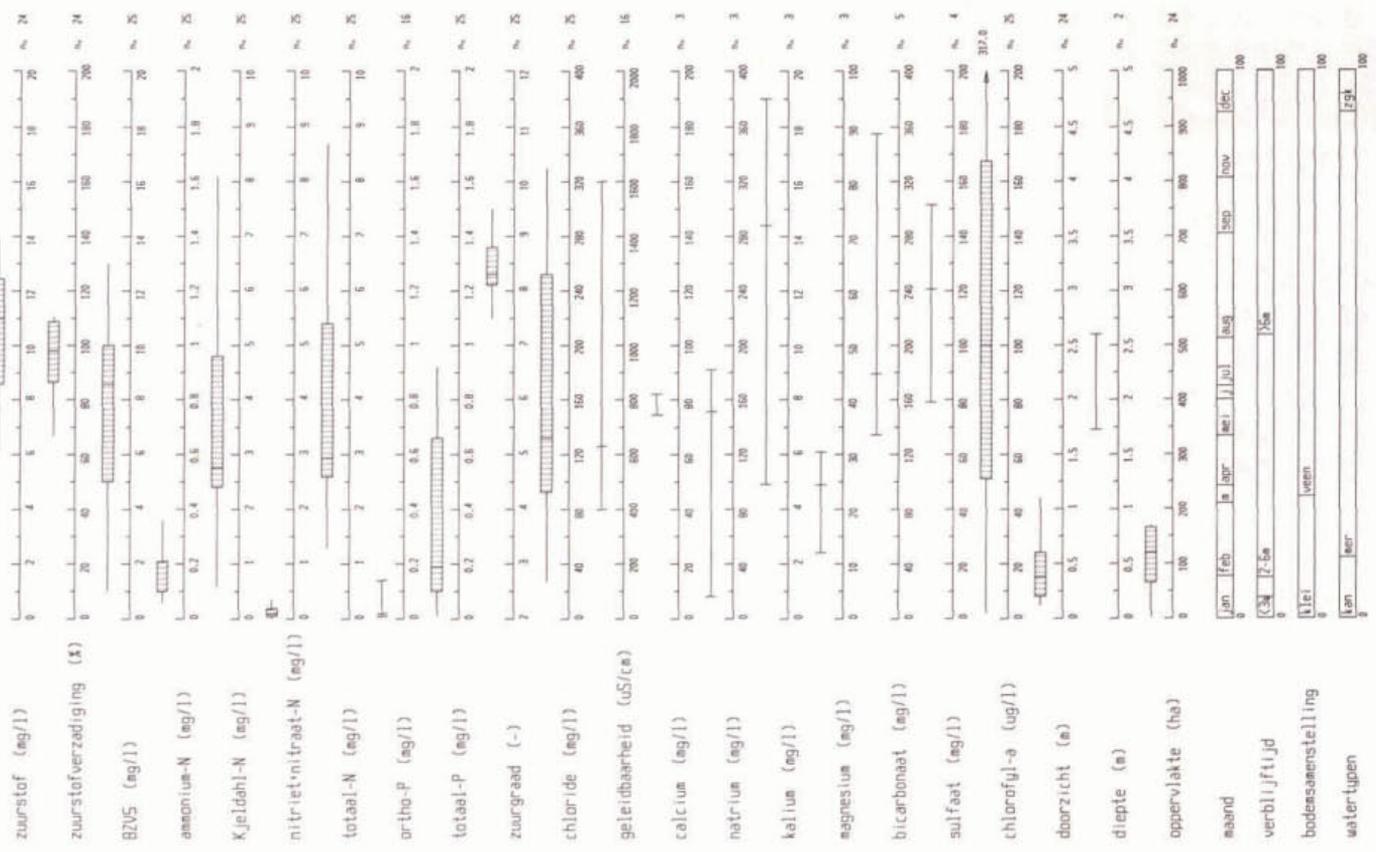


abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 >= 500 ind./ml

**stowa**  
 Eco-atlas van waterorganismen

Merismopedia punctata  
 vangsten : 27  
 locaties : 14  
 hokken : 14  
 watertypen  
 sloten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten

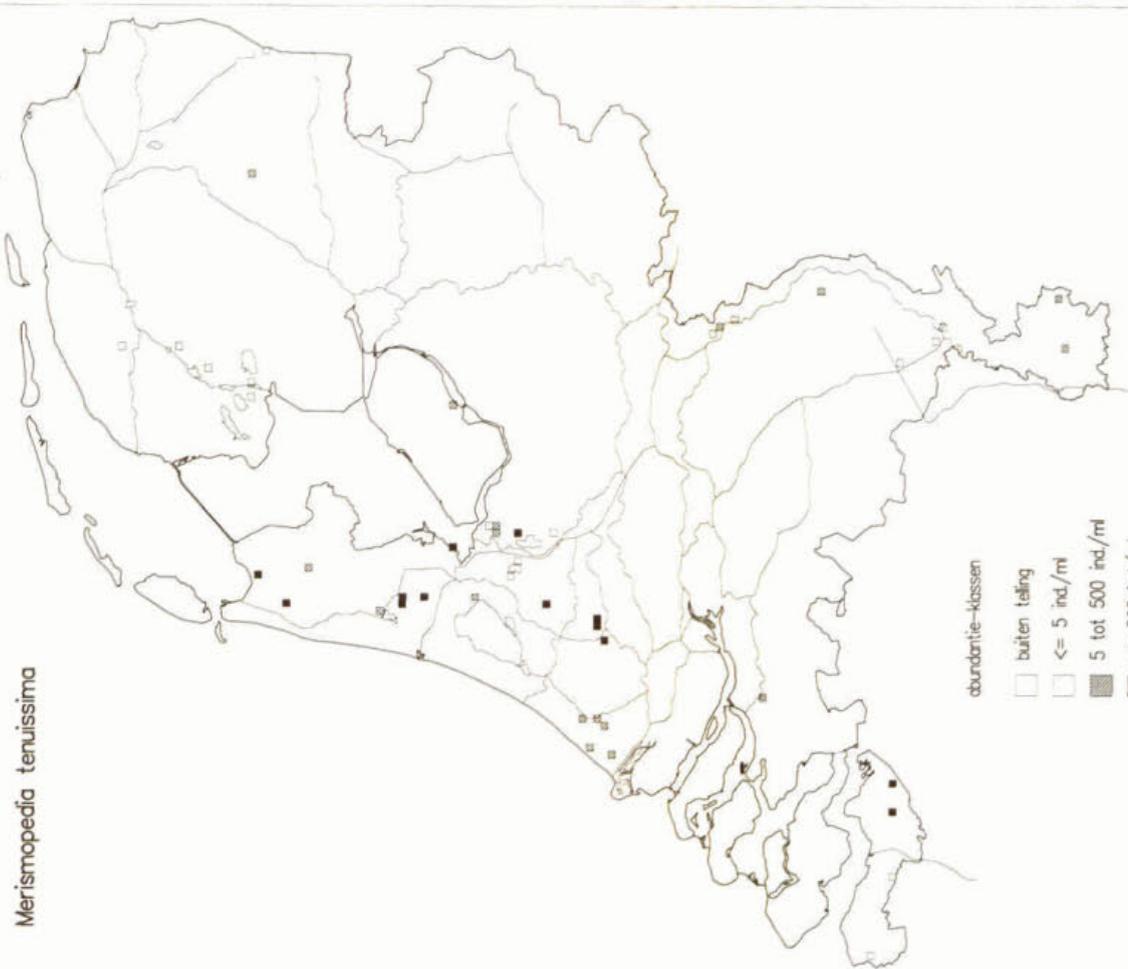
Merismopedia punctata



zuurstof (mg/l) n. 24  
 zuurstofverzadiging (%) n. 24  
 BZVS (mg/l) n. 25  
 ammonium-N (mg/l) n. 25  
 Kjeldahl-N (mg/l) n. 25  
 nitriet/nitraat-N (mg/l) n. 25  
 totaal-N (mg/l) n. 25  
 ortho-P (mg/l) n. 18  
 totaal-P (mg/l) n. 25  
 zuurgraad (-) n. 25  
 chloride (mg/l) n. 25  
 geleidbaarheid (uS/cm) n. 16  
 calcium (mg/l) n. 3  
 natrium (mg/l) n. 3  
 kalium (mg/l) n. 3  
 magnesium (mg/l) n. 3  
 bicarbonaat (mg/l) n. 5  
 sulfaat (mg/l) n. 4  
 chlorofyl-a (ug/l) n. 25  
 doorzicht (m) n. 24  
 diepte (m) n. 2  
 oppervlakte (ha) n. 24  
 maand  
 verblijftijd  
 bodemsamenstelling  
 watertypen

Fytoplankton : Cyanobacteria (blauwwieren)

Merismopedia tenuissima



abundantie-klassen

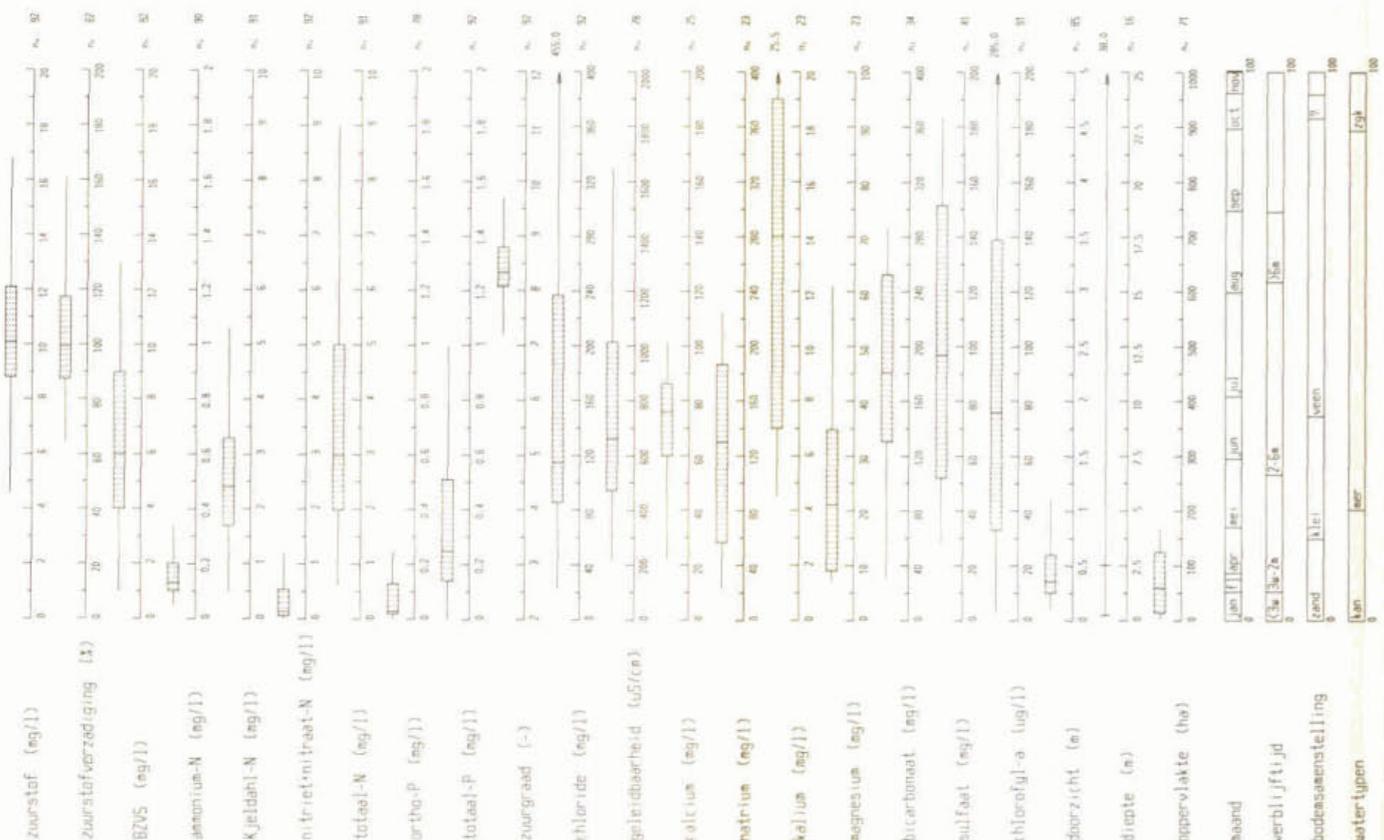
- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

Merismopedia tenuissima

vangsten : 94  
 locaties : 51  
 hokken : 50

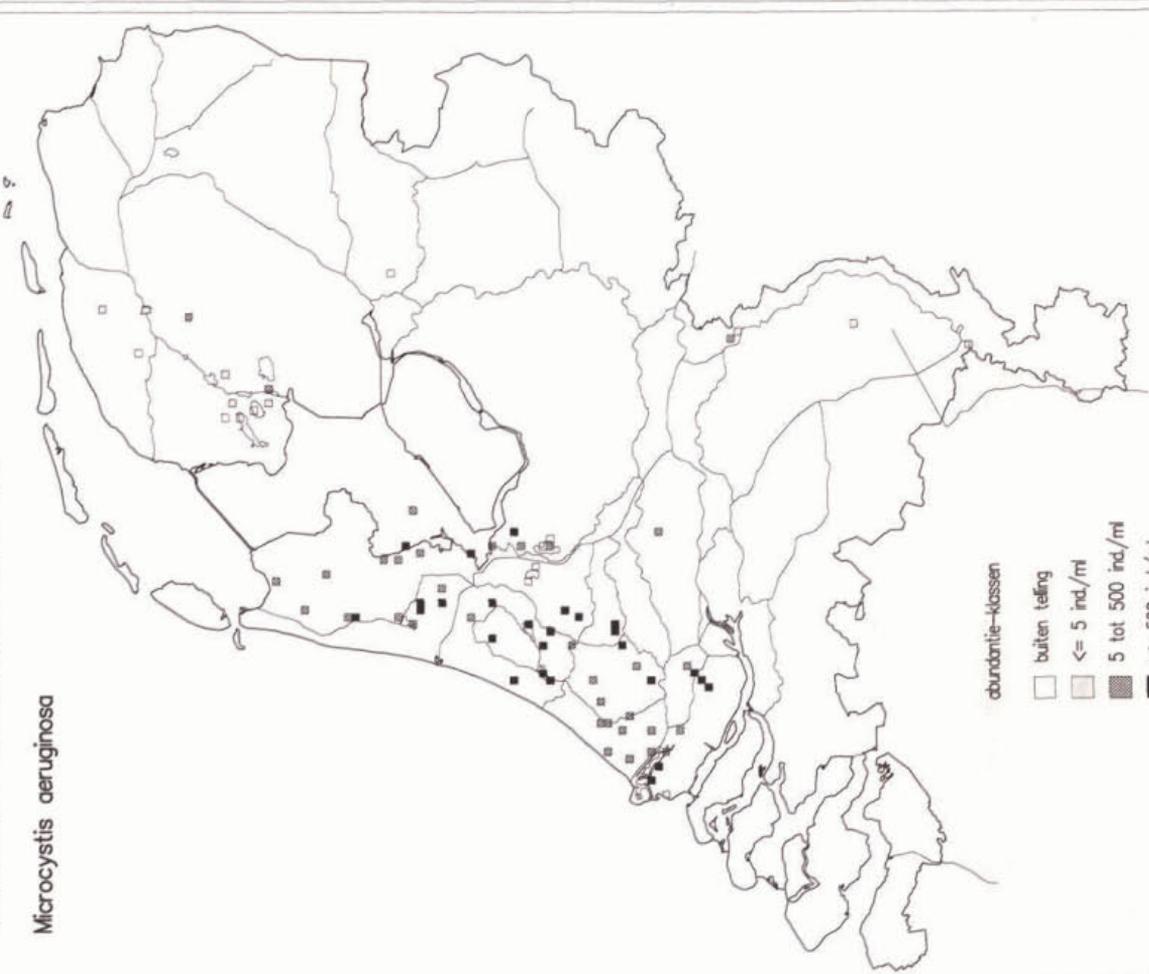
**stowa**  
 Eco-atlas van waterorganismen

Merismopedia tenuissima



Fytoplankton : Cyanobacteria (blauwwieren)

*Microcystis aeruginosa*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

*Microcystis aeruginosa*

- vangsten : 405
- locaties : 81
- hokken : 79

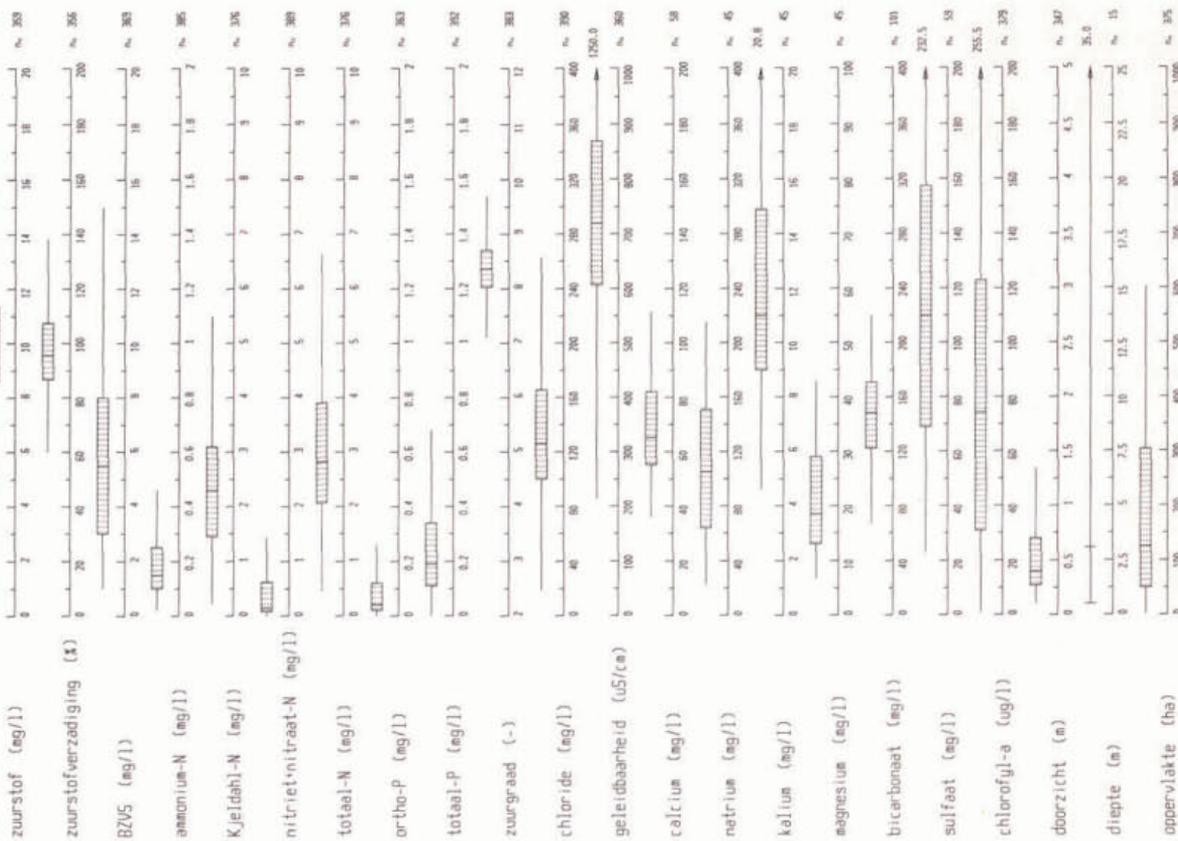
- sloten
- stromende wateren
- koudwater

- sloten
- zand-, grind- en kleigaten

**stowa**

Eco-atlas van waterorganismen

*Microcystis aeruginosa*



maand:  jan  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

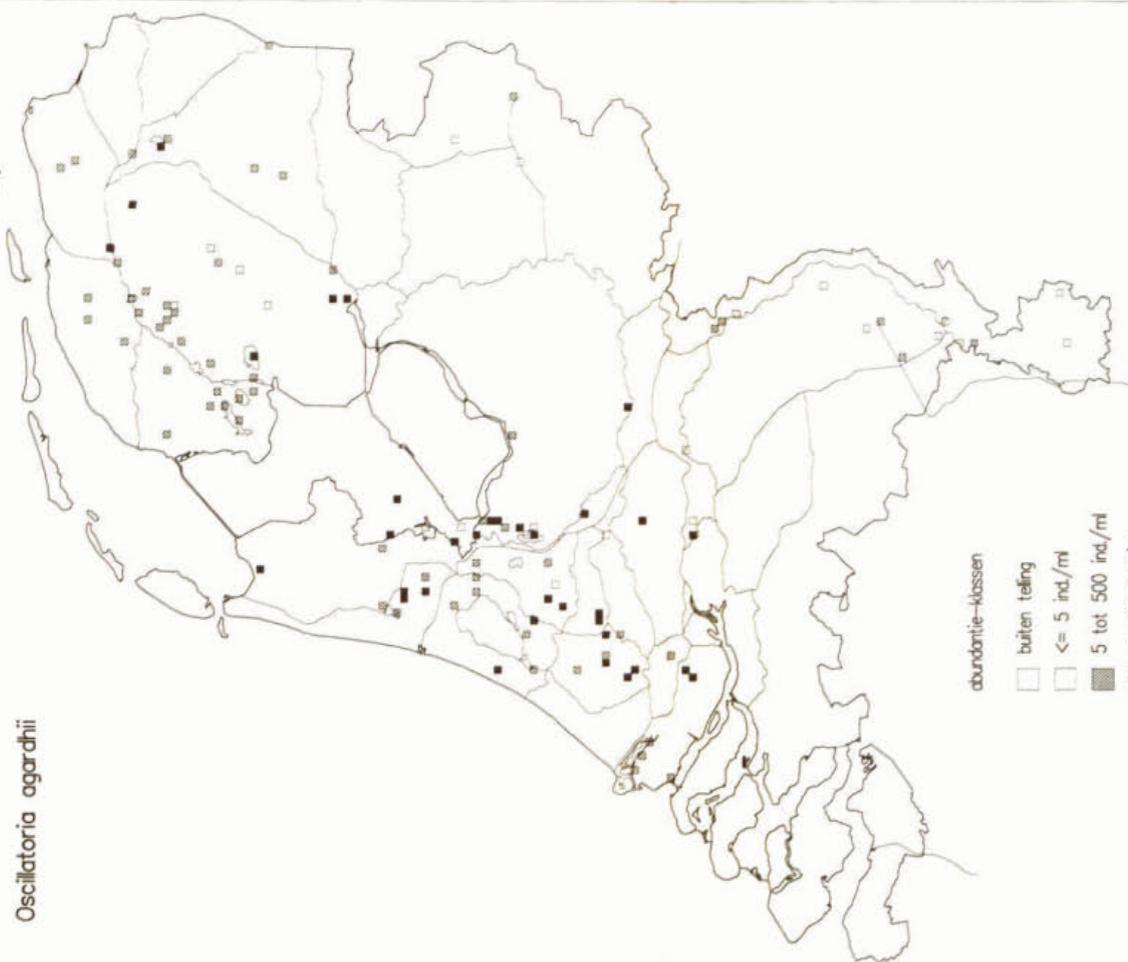
gebied:  Gw  Sw  Z  B

water:  Zand  Vri  Venen

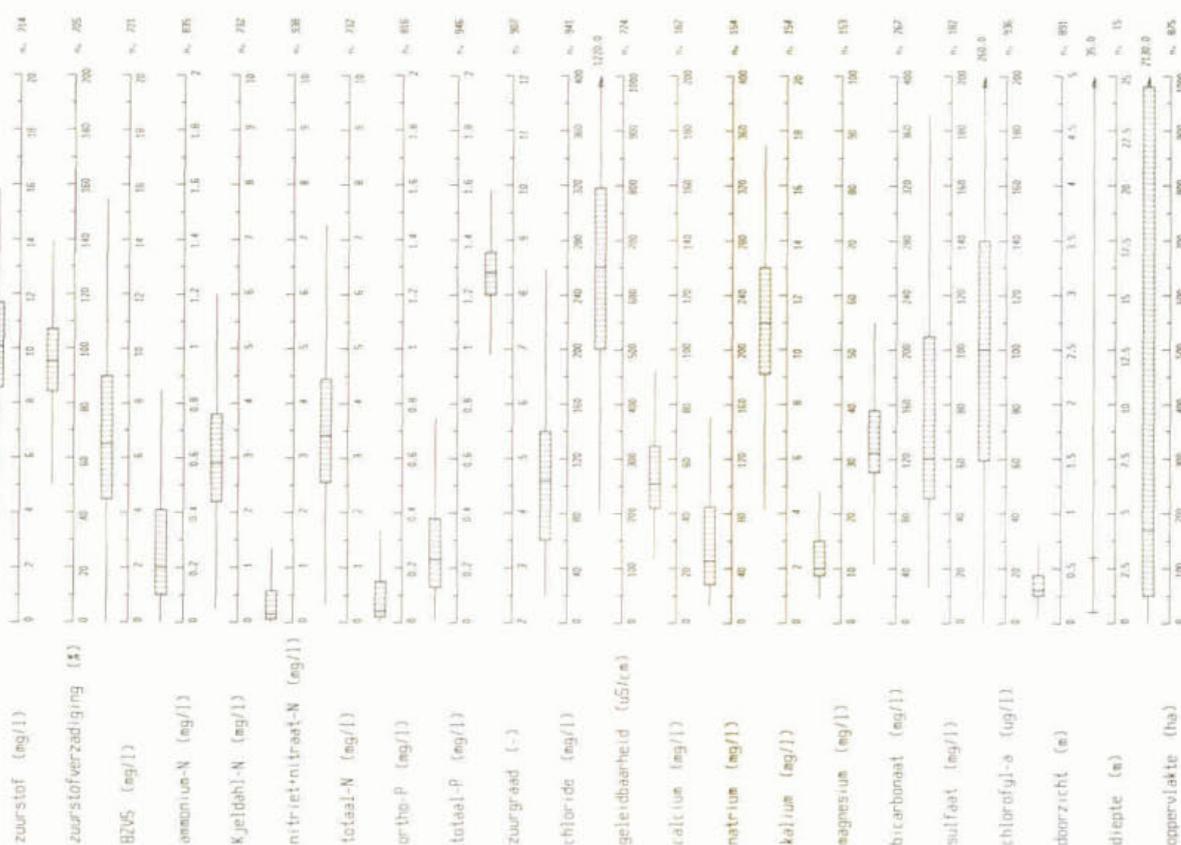
water:  Meer  Zijk

Fytoplankton : Cyanobacteria (blauwwieren)

Oscillatoria agardhii



Oscillatoria agardhii

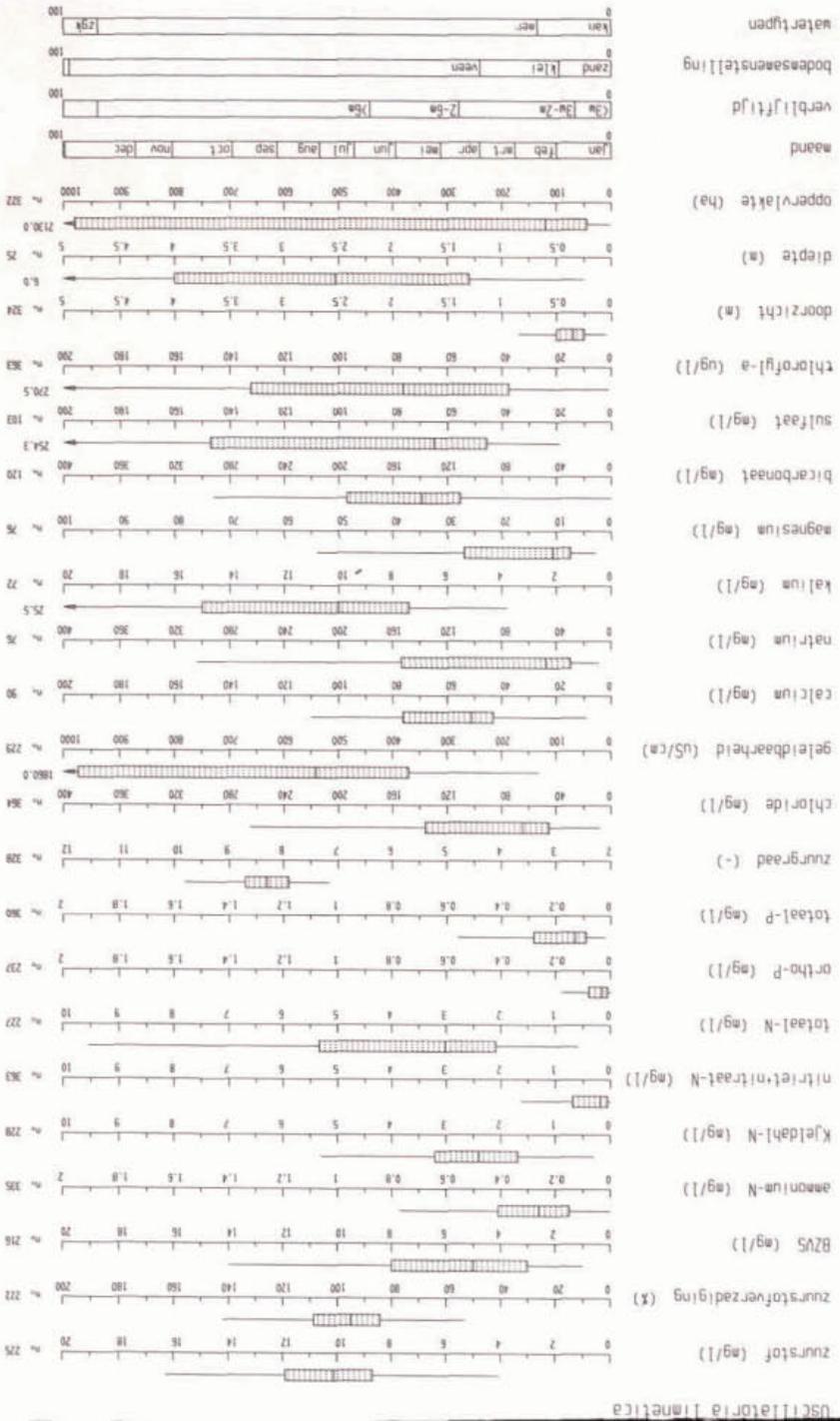


naamd	jan	feb	mar	apr	mei	jun	juli	aug	sep	okt	nov	dec	
verblijftijd	0	10	20	30	40	50	60	70	80	90	100	110	
bodeminstelling	zand	klei	veen										
watertypen	kan	leer											

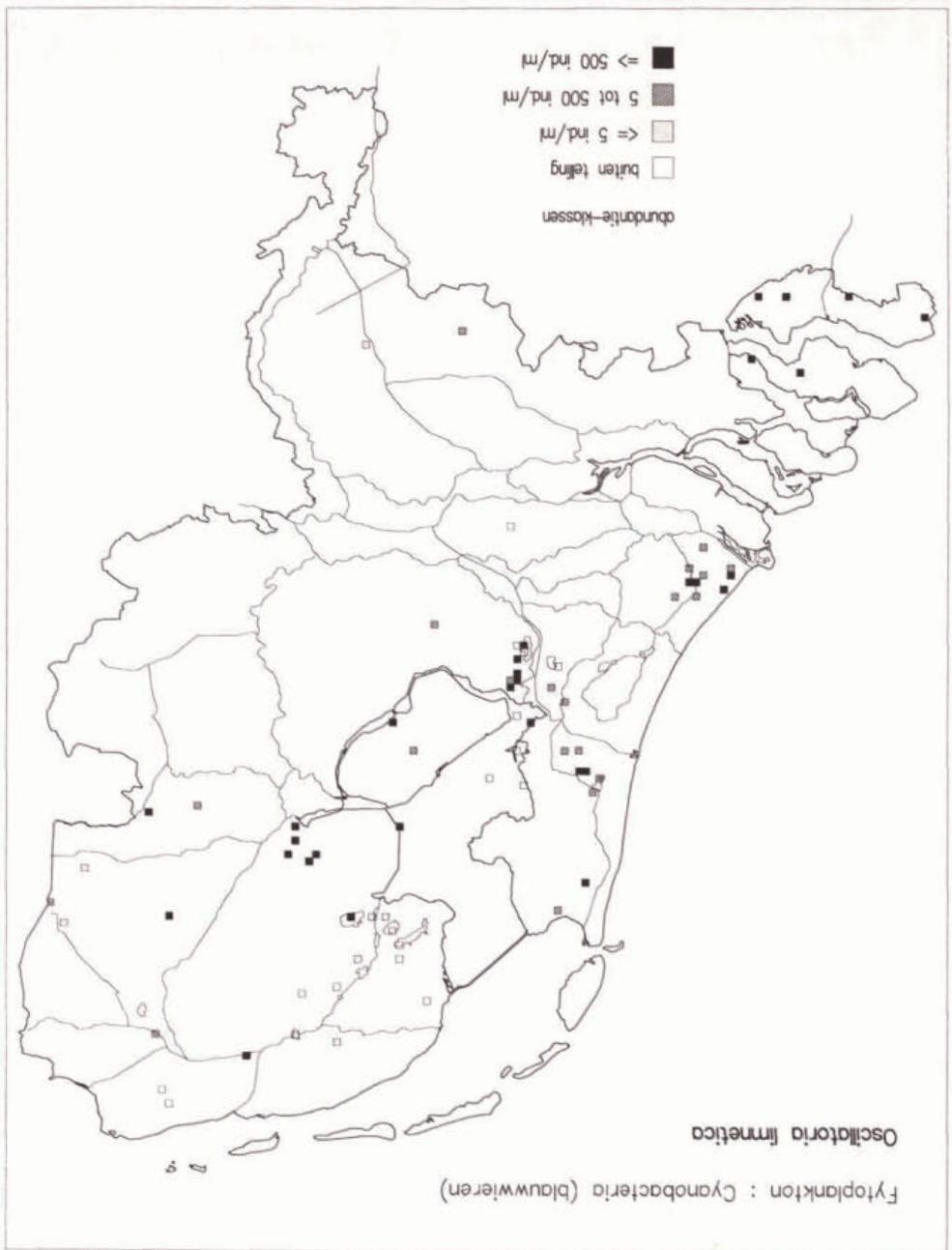
Oscillatoria agardhii

vangsten : 986	watertypen	stilstaend water	stromende water	zand-, grond- en kleigaten
locaties : 125	lokken : 118			

**stowa**  
Eco-atlas van waterorganismen



vangsten : 380  
 locaties : 82  
 hokken : 77  
 watertypen  sloten  meren   
 stromende wateren  zand-, grind- en kleigaten  kanden



Oscillatoria limnetica

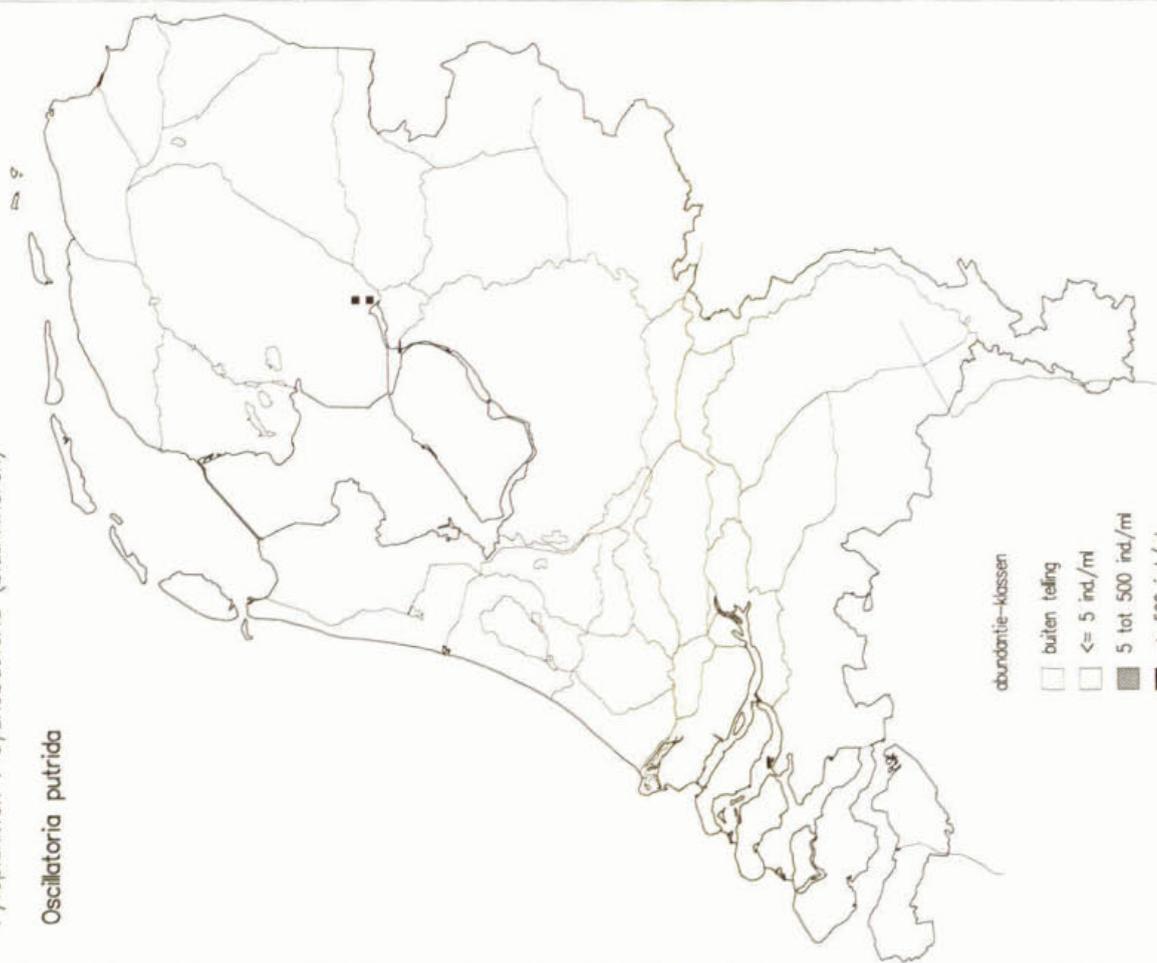
Fytoplankton : Cyanobacteria (blauwieren)

**stowa**

Eco-atlas van waterorganismen

Fytoplankton : Cyanobacteria (blauwvieren)

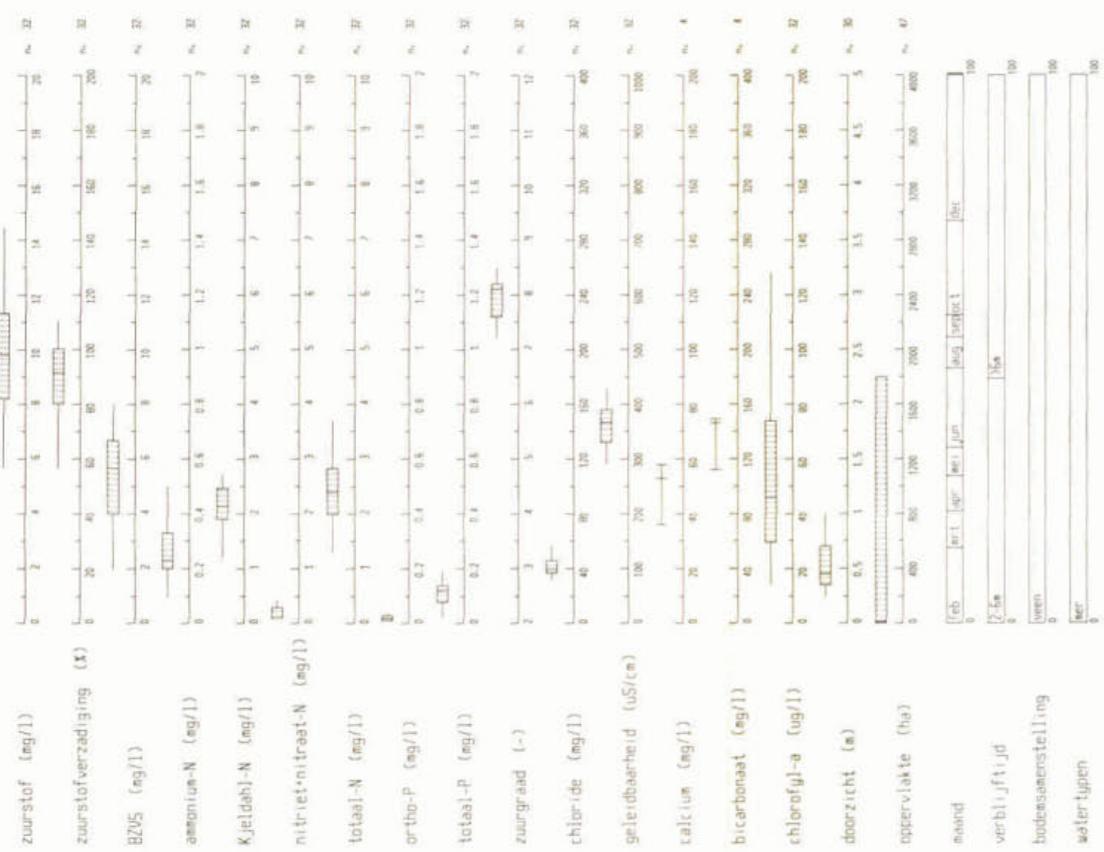
*Oscillatoria putrida*



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

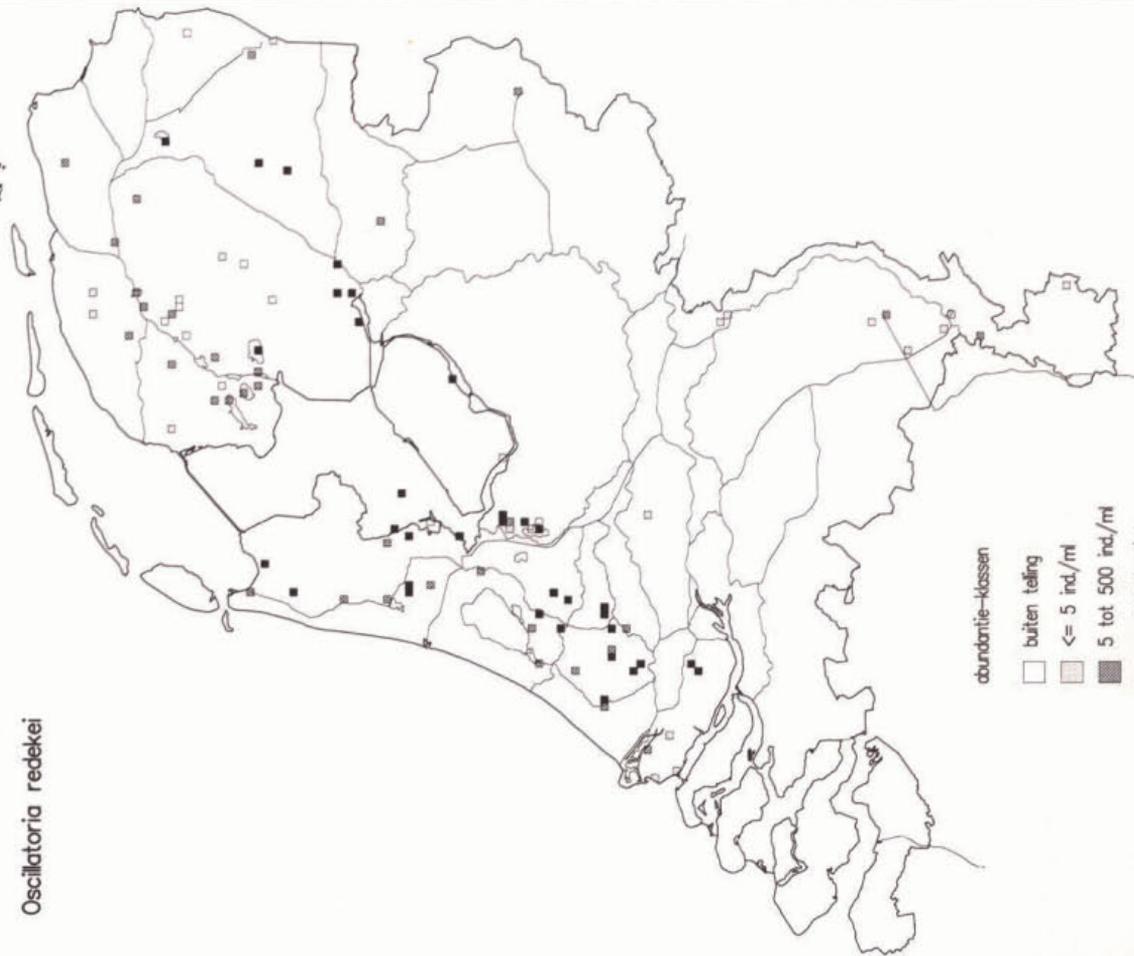
*Oscillatoria putrida*  
 vangsten : 47  
 locaties : 3  
 hakken : 2  
 watertypen  
 sluizen  
 stromende wateren  
 karotten  
 N meren  
 zand-, grind- en kleigaten

*Oscillatoria putrida*



Fytoplankton : Cyanobacteria (blauwwieren)

Oscillatoria redekei



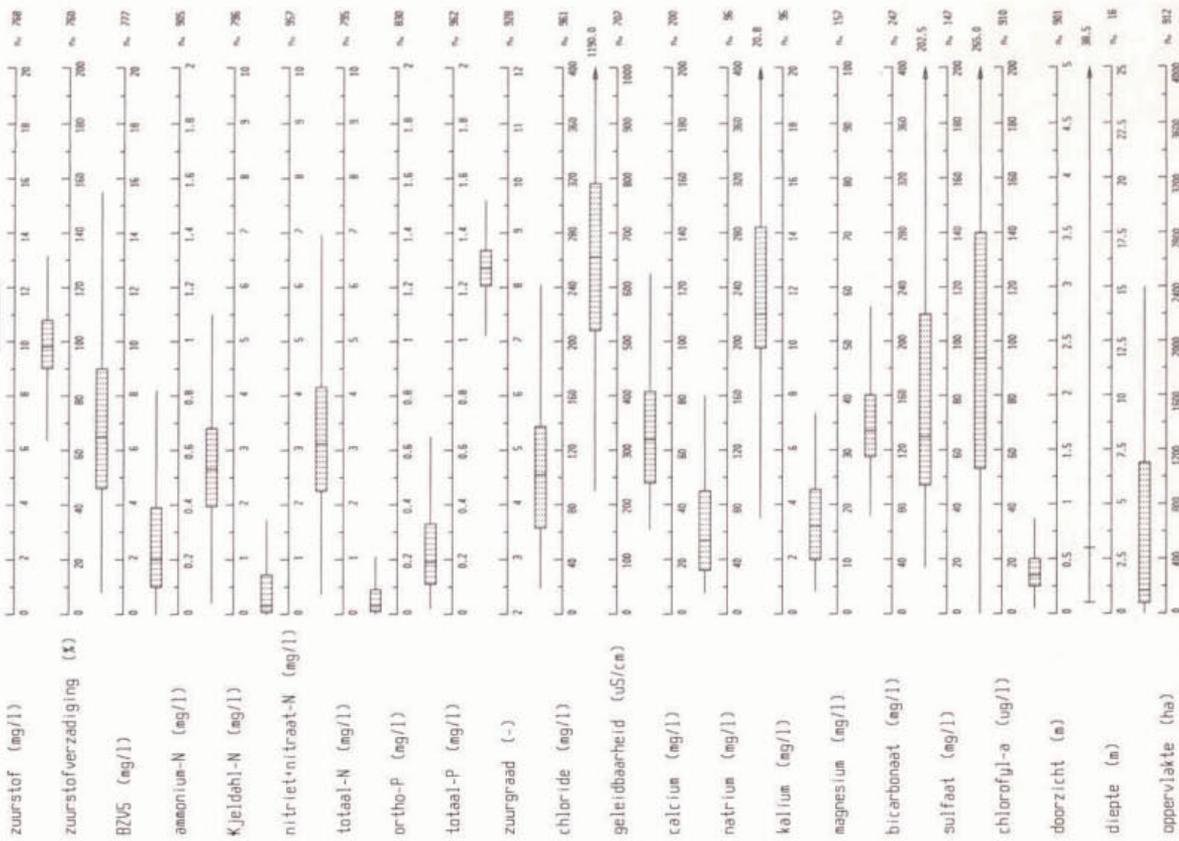
**stowa**  
Eco-atlas van waterorganismen

vangsten : 982  
locaties : 104  
hakken : 98

Oscillatoria redekei

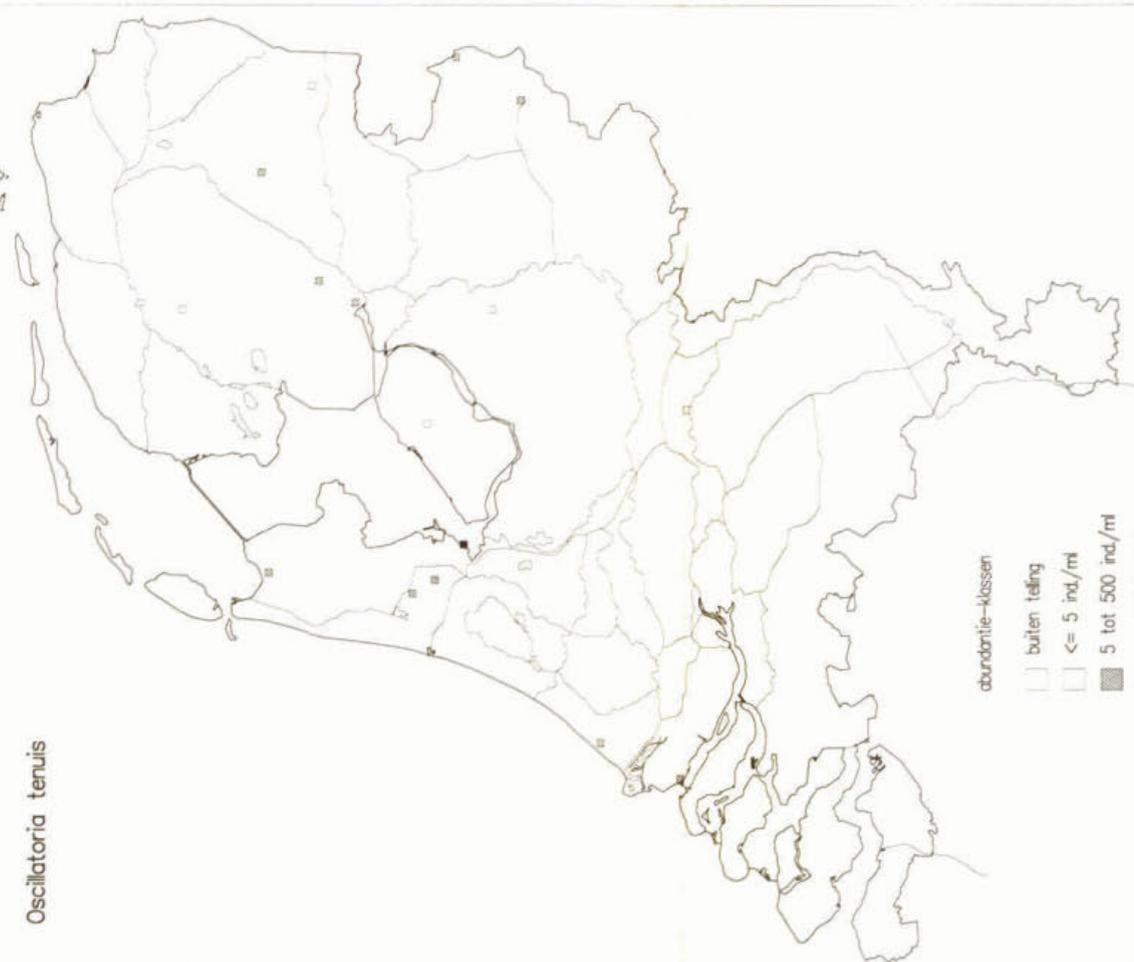
watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

Oscillatoria redekei



maand	jan	feb	mer	apr	mei	jun	jul	aug	sep	oct	nov	dec
verblijftijd	0	30	30	30	30	30	30	30	30	30	30	30

Fytoplankton : Cyanobacteria (blauwwieren)  
**Oscillatoria tenuis**



abundantie-klassen  
 buiten telling  
 <= 5 ind./m  
 5 tot 500 ind./m  
 >= 500 ind./m

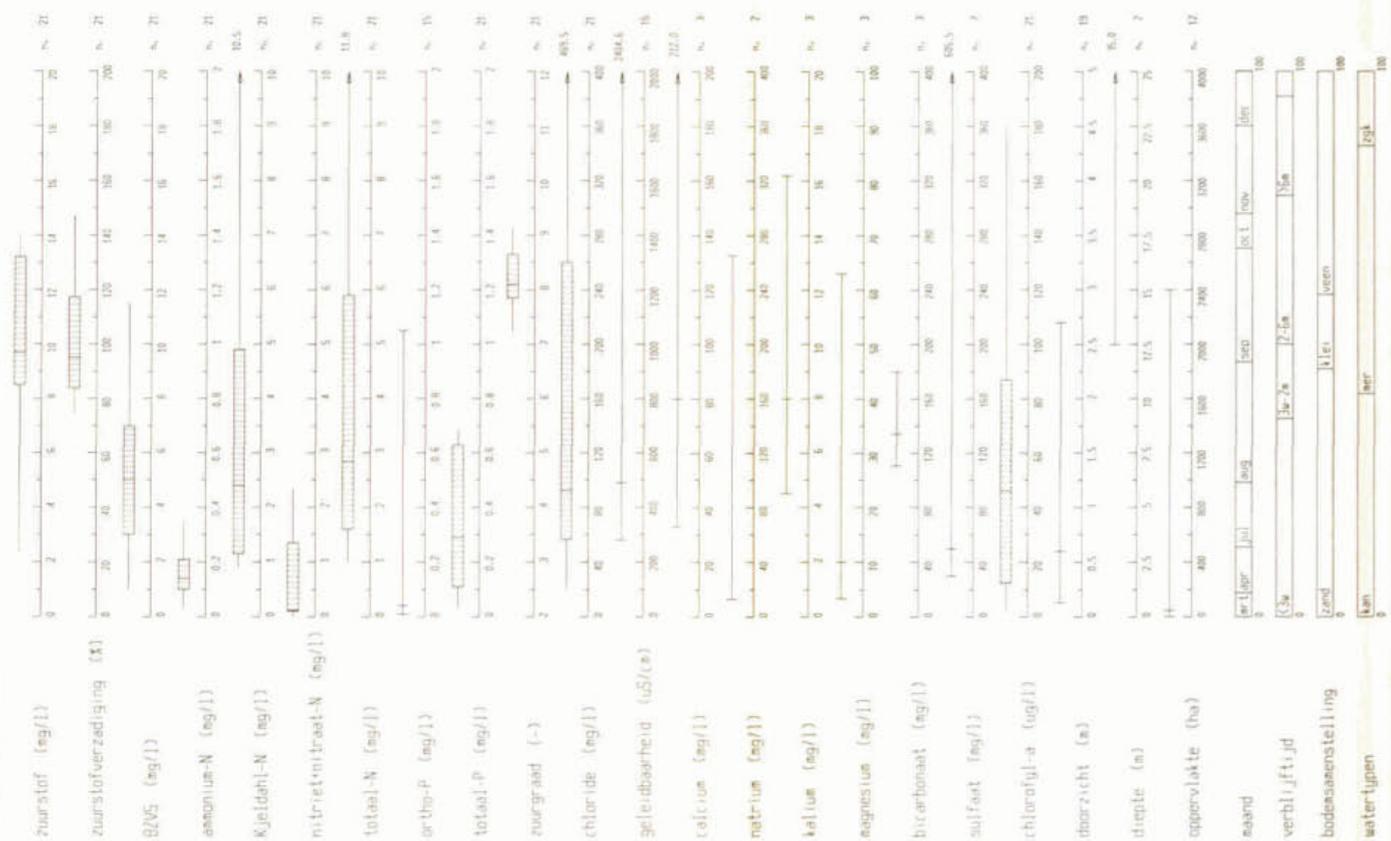
**Oscillatoria tenuis**  
 sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

vangsten : 22  
 locaties : 18  
 hakken : 17



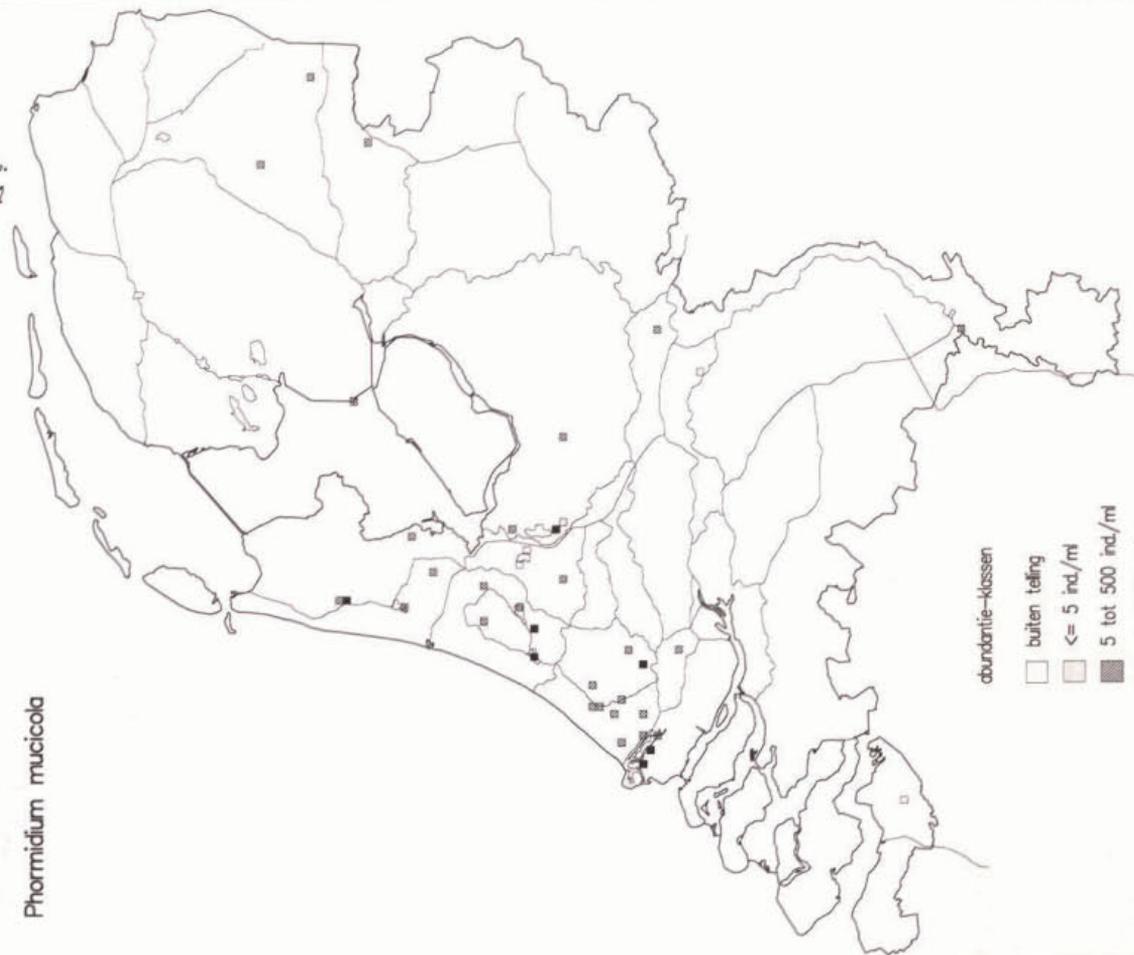
Eco-atlas van waterorganismen

*Oscillatoria tenuis*



Fytoplankton : Cyanobacteria (blauwwieren)

*Phormidium mucicola*



abundantie-klassen

- buiten telling
- <= 5 ind./m
- 5 tot 500 ind./m
- >= 500 ind./m

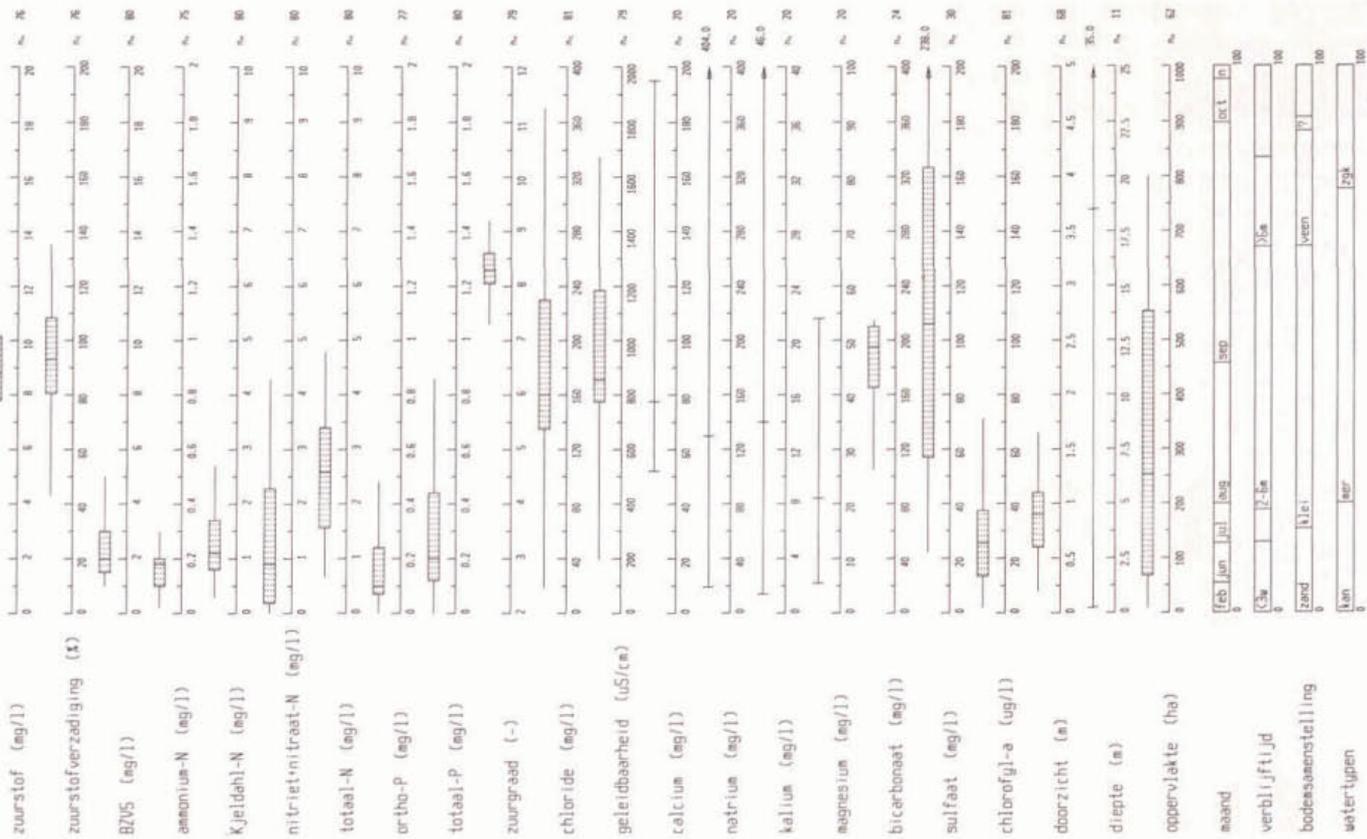
*Phormidium mucicola*

vangsten : 85  
 locaties : 40  
 hokken : 40

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanden

**stowa**  
 Eco-atlas van waterorganismen

*Phormidium mucicola*



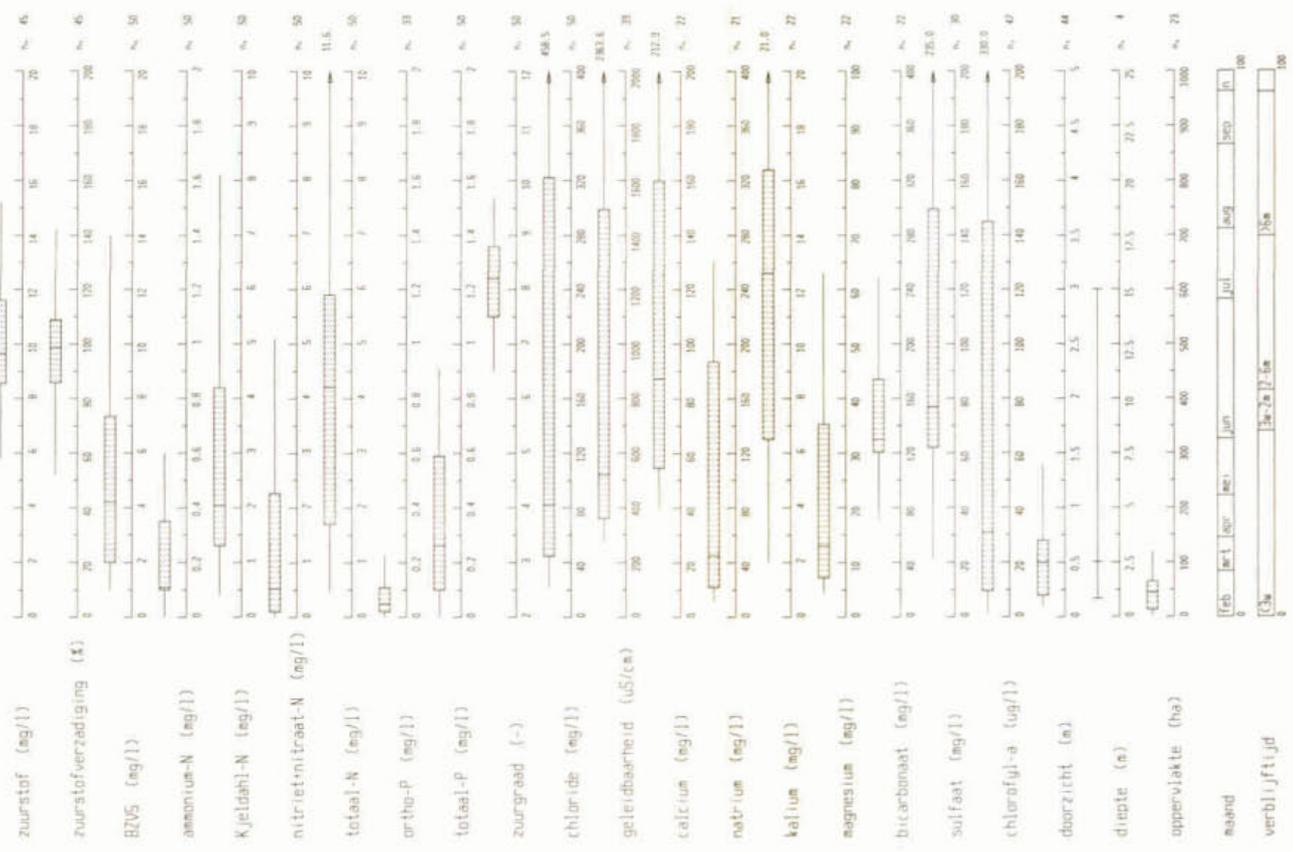
maand: [feb] [jun] [jul] [aug] [sep] [oct] [nov]

verblijftijd: [0-24] [25-48] [49-72] [73-96] [97-120] [121-144] [145-168] [169-192] [193-216] [217-240] [241-264] [265-288] [289-312] [313-336] [337-360] [361-384] [385-408] [409-432] [433-456] [457-480] [481-504] [505-528] [529-552] [553-576] [577-600] [601-624] [625-648] [649-672] [673-696] [697-720] [721-744] [745-768] [769-792] [793-816] [817-840] [841-864] [865-888] [889-912] [913-936] [937-960] [961-984] [985-1008]

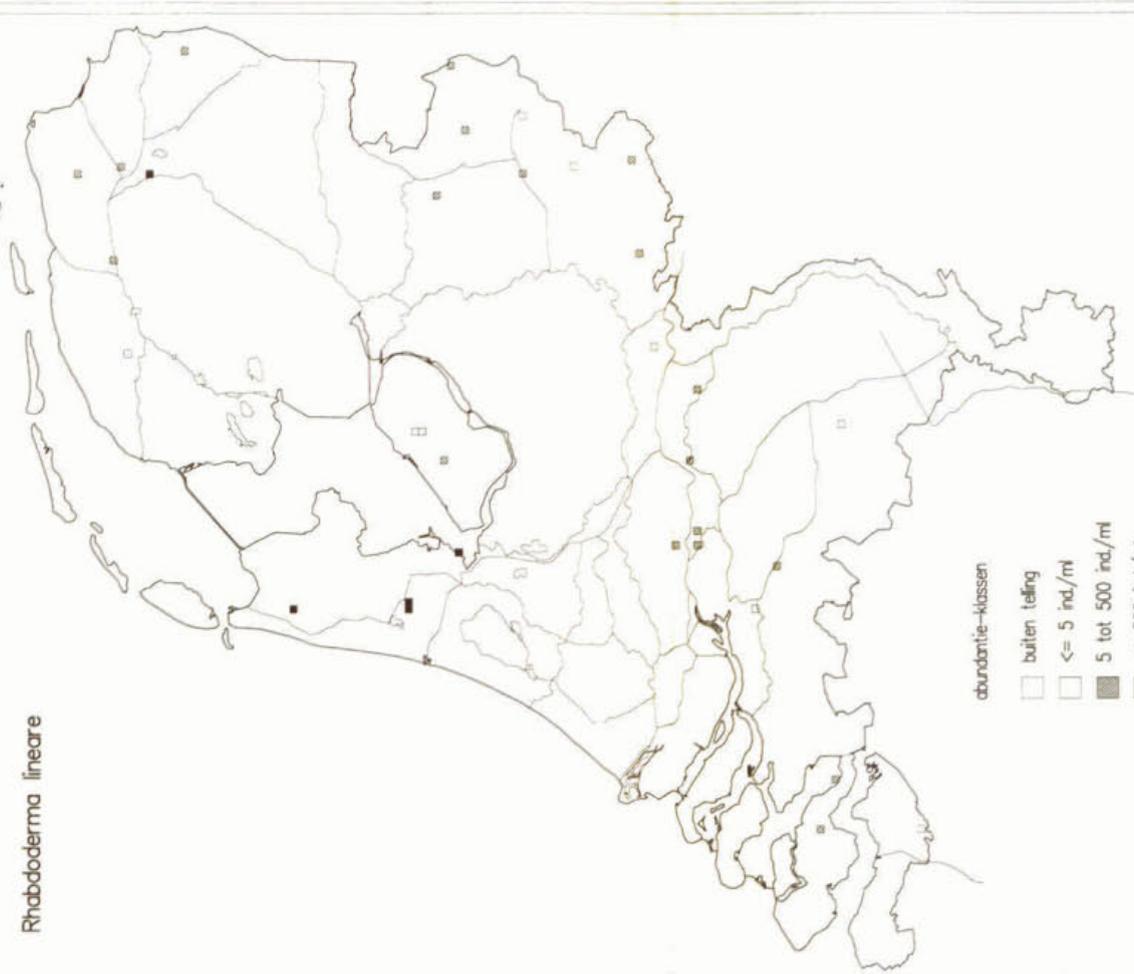
bodesaanstelling: [0-10] [11-20] [21-30] [31-40] [41-50] [51-60] [61-70] [71-80] [81-90] [91-100]

watertypen: [0-10] [11-20] [21-30] [31-40] [41-50] [51-60] [61-70] [71-80] [81-90] [91-100]

Rhabdoderma lineare



Fytoplankton : Cyanobacteria (blauwwieren)  
Rhabdoderma lineare



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./m  
 ■ 5 tot 500 ind./m  
 ■ ≥ 500 ind./m

Rhabdoderma lineare

vangsten : 53  
 locaties : 35  
 hokken : 33

watertypen  
 □ sloten  
 □ stromende wateren  
 □ zand-, grind- en kleigaten

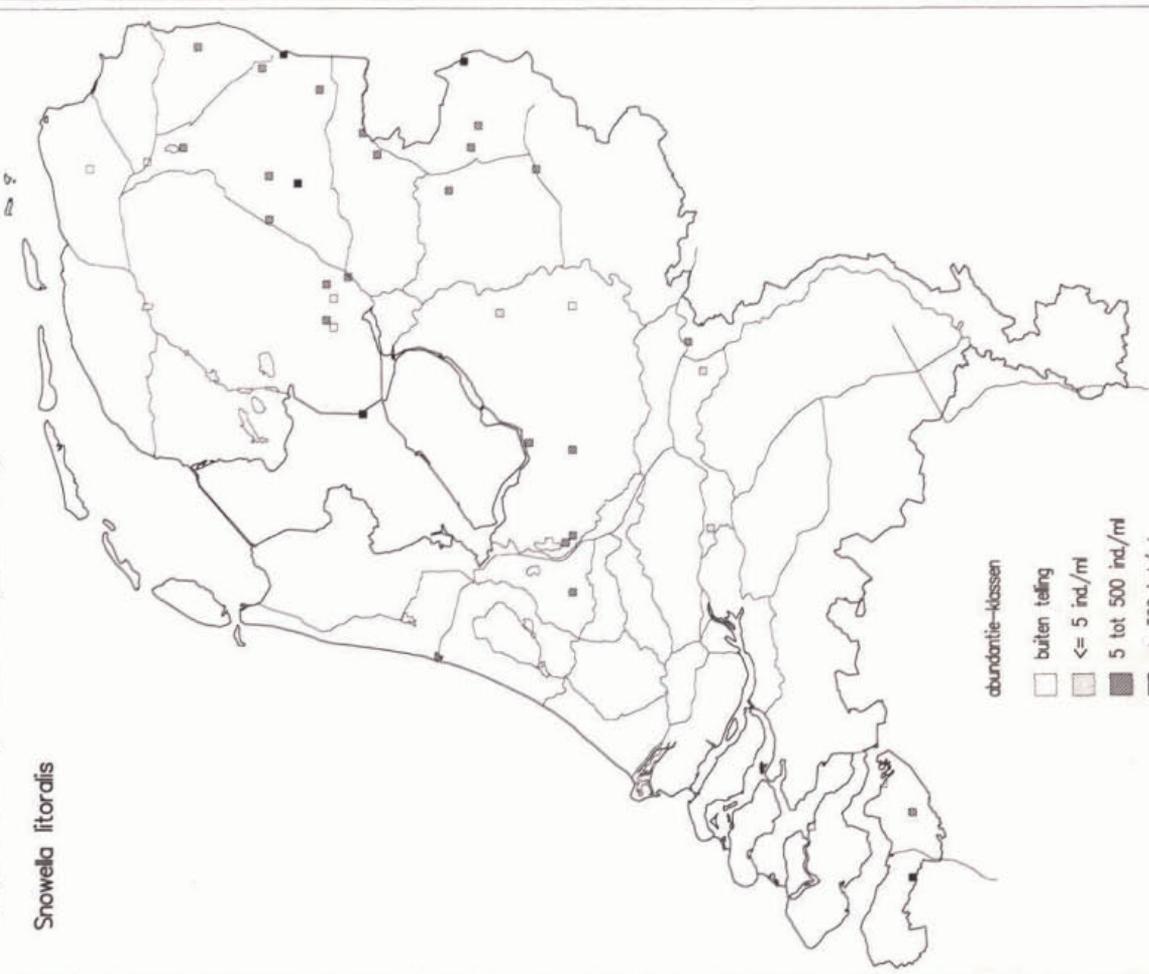
meren  
 □ zand-, grind- en kleigaten



Eco-atlas van waterorganismen

Fytoplankton : Cyanobacteria (blauwwieren)

Snowella litoralis



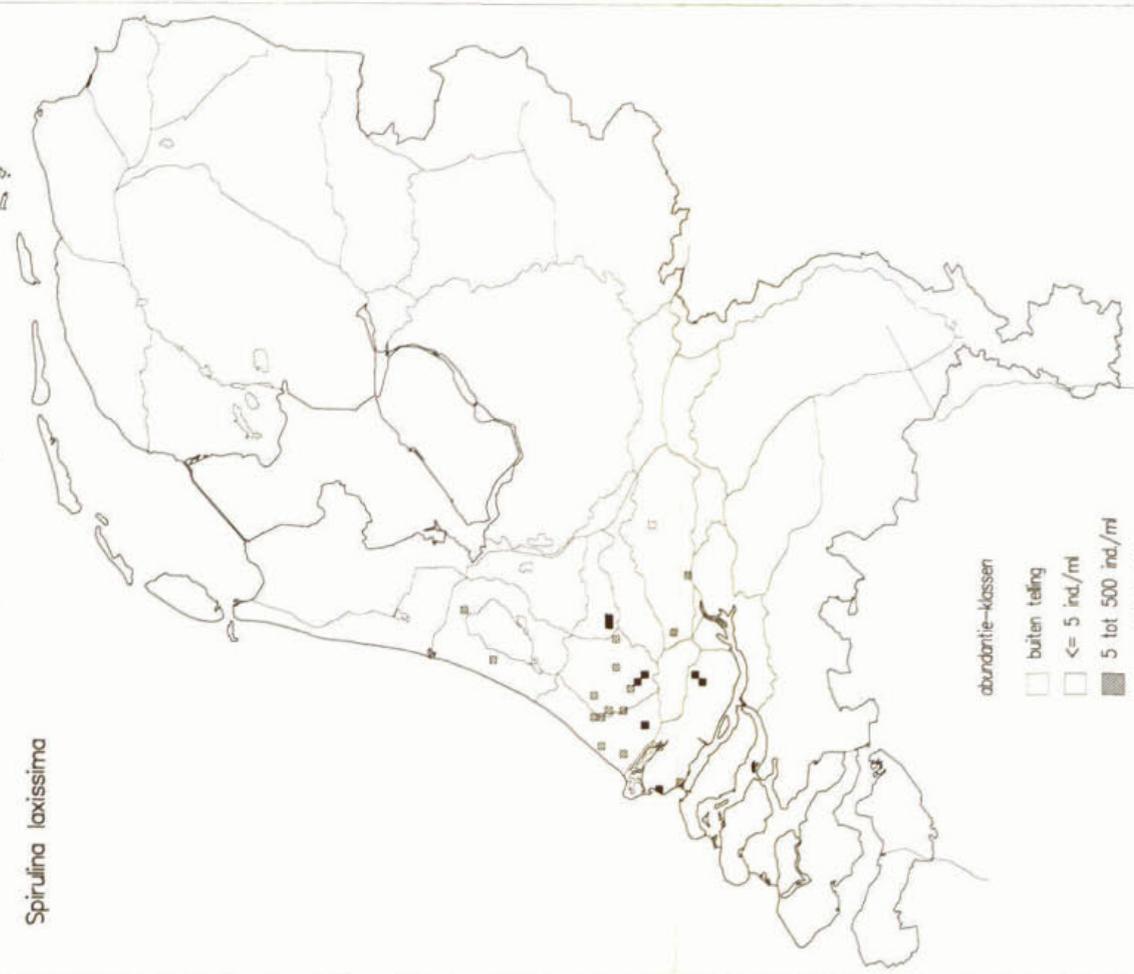
abundantie-klasse  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 >= 500 ind./ml

**stowa**  
 Eco-atlas van waterorganismen

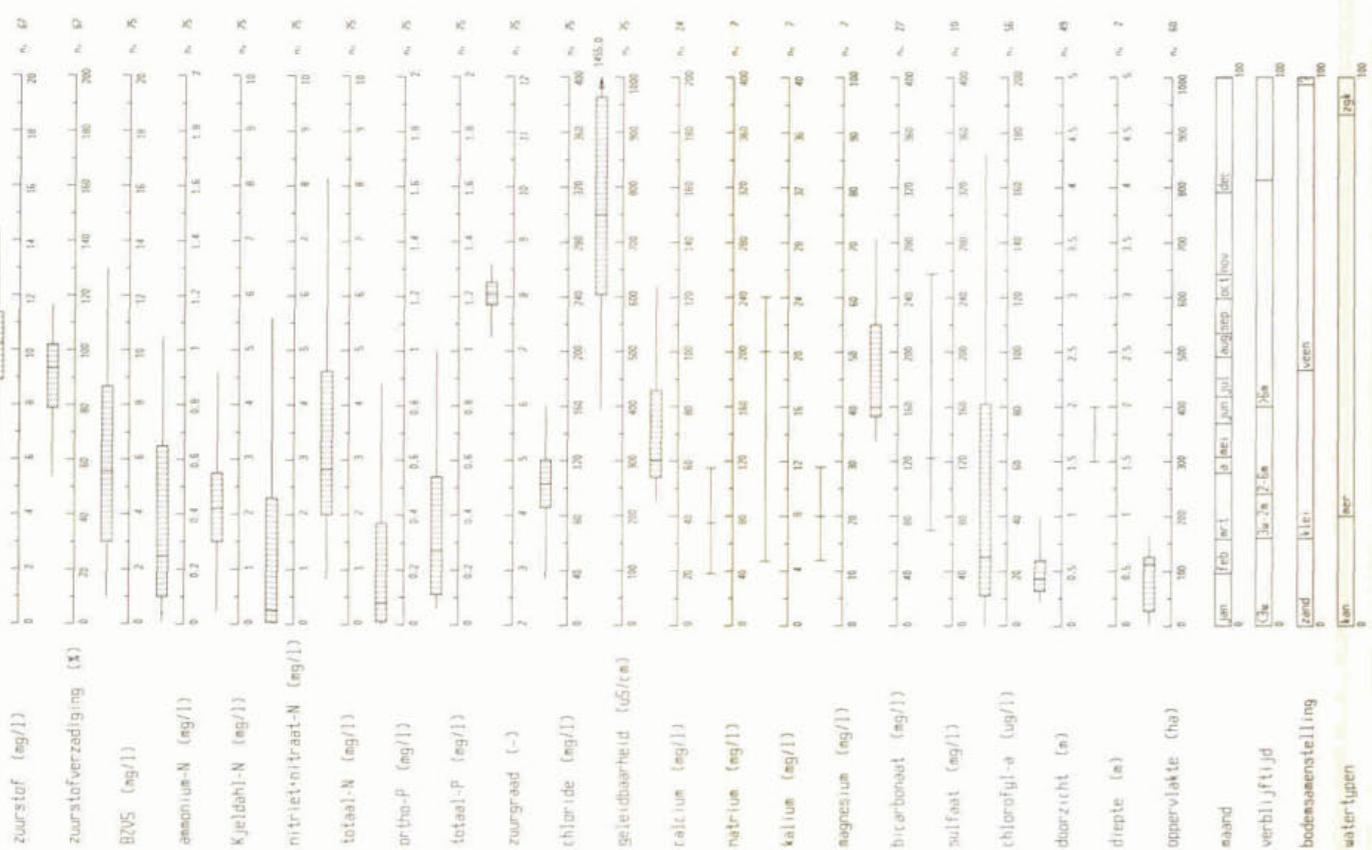
Snowella litoralis  
 vangsten : 66  
 localities : 36  
 hokken : 37  
 water-typen  
 sloten  
 stromende wateren  
 kanden  
 meren  
 zand-, grind- en kleigaten

zuurstof (mg/l)	0 2 4 6 8 10 12 14 16 18 20	n <sub>o</sub> 65													
zuurstofverzadiging (%)	0 20 40 60 80 100 120 140 160 180 200	n <sub>o</sub> 65													
BZVS (mg/l)	0 2 4 6 8 10 12 14 16 18 20	n <sub>o</sub> 66													
ammonium-N (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	n <sub>o</sub> 66													
Kjeldahl-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10	n <sub>o</sub> 66													
nitriet/nitraat-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10	n <sub>o</sub> 66													
totaal-N (mg/l)	0 1 2 3 4 5 6 7 8 9 10	n <sub>o</sub> 66													
ortho-P (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	n <sub>o</sub> 63													
totaal-P (mg/l)	0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2	n <sub>o</sub> 66													
zuurgraad (-)	2 3 4 5 6 7 8 9 10 11 12	n <sub>o</sub> 65													
chloride (mg/l)	0 40 80 120 160 200 240 280 320 360 400	n <sub>o</sub> 66													
geleidbaarheid (uS/cm)	0 100 200 300 400 500 600 700 800 900 1000	n <sub>o</sub> 65													
calcium (mg/l)	0 20 40 60 80 100 120 140 160 180 200	n <sub>o</sub> 15													
natrium (mg/l)	0 40 80 120 160 200 240 280 320 360 400	n <sub>o</sub> 16													
kalium (mg/l)	0 4 8 12 16 20 24 28 32 36 40	n <sub>o</sub> 16													
magnesium (mg/l)	0 10 20 30 40 50 60 70 80 90 100	n <sub>o</sub> 15													
bicarbonaat (mg/l)	0 40 80 120 160 200 240 280 320 360 400	n <sub>o</sub> 17													
sulfaat (mg/l)	0 20 40 60 80 100 120 140 160 180 200	n <sub>o</sub> 46													
chlorofyl-a (µg/l)	0 20 40 60 80 100 120 140 160 180 200	n <sub>o</sub> 66													
doorzicht (m)	0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5	n <sub>o</sub> 64													
diepte (m)	0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5	n <sub>o</sub> 22													
oppervlakte (ha)	0 100 200 300 400 500 600 700 800 900 1000	n <sub>o</sub> 5													
maand	<table border="1"> <tr> <td>feb</td><td>mar</td><td>apr</td><td>mei</td><td>juni</td><td>juli</td><td>aug</td><td>sep</td> </tr> </table>		feb	mar	apr	mei	juni	juli	aug	sep					
feb	mar	apr	mei	juni	juli	aug	sep								
verblijftijd	<table border="1"> <tr> <td>okt</td><td>nov</td><td>dec</td><td>jan</td><td>feb</td><td>mar</td><td>apr</td><td>mei</td><td>juni</td><td>juli</td><td>aug</td><td>sep</td><td>okt</td> </tr> </table>		okt	nov	dec	jan	feb	mar	apr	mei	juni	juli	aug	sep	okt
okt	nov	dec	jan	feb	mar	apr	mei	juni	juli	aug	sep	okt			
bodemsaestelling	<table border="1"> <tr> <td>zand</td><td>klei</td><td>veen</td> </tr> </table>		zand	klei	veen										
zand	klei	veen													
water-typen	<table border="1"> <tr> <td>kan</td><td>rijg</td> </tr> </table>		kan	rijg											
kan	rijg														

Fytoplankton : Cyanobacteria (blauwwieren)  
Spirulina laxissima



Spirulina laxissima



Fytoplankton : Euglenophyceae (oogflagellaten)

**Euglena acus**



abundantie-klassen  
 buiten telling  
 ≤ 5 ind./ml  
 5 tot 500 ind./ml  
 ⇒ 500 ind./ml



Eco-atlas van waterorganismen

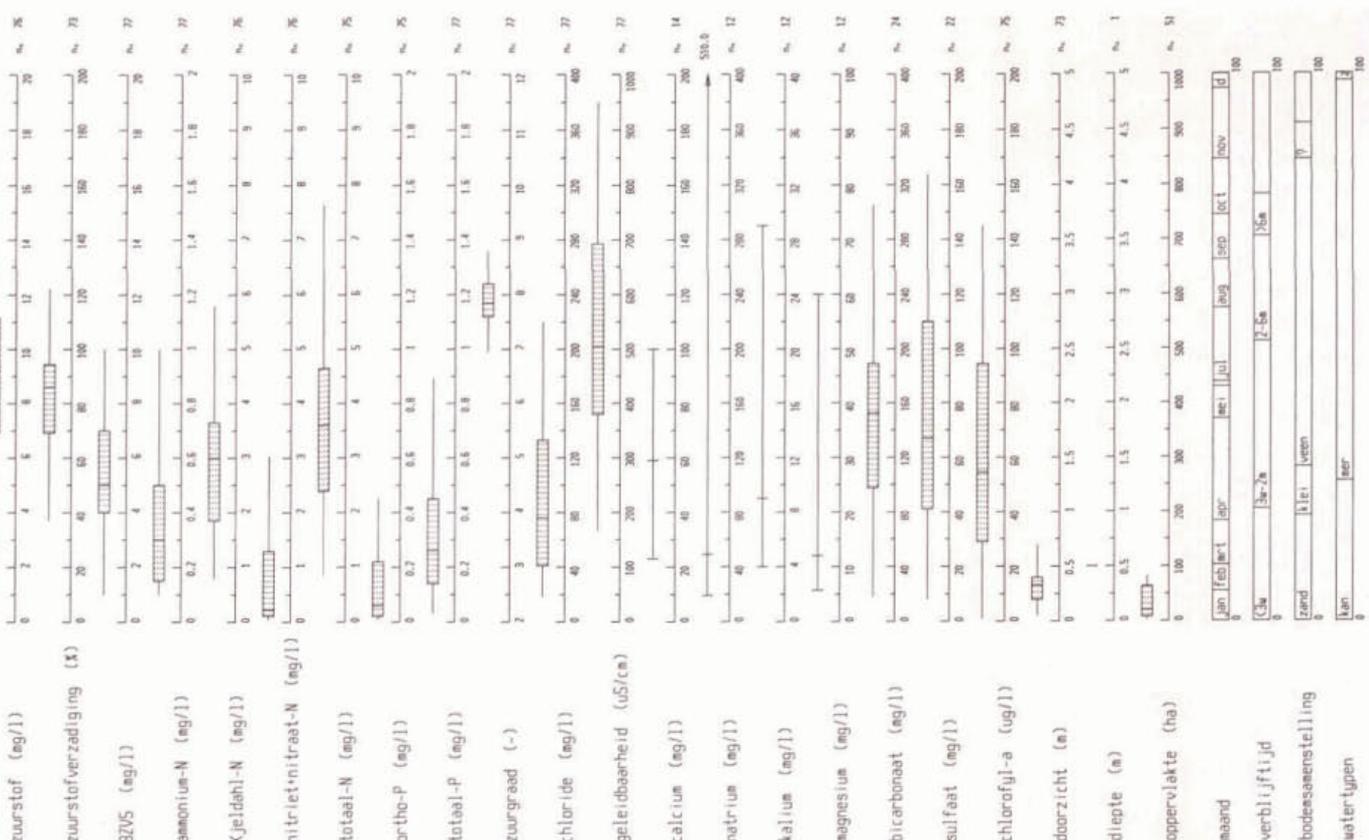
**Euglena acus**

vangsten : 78  
 locaties : 32  
 holken : 31

watertypen  
 sloten  
 stromende wateren  
 kanden

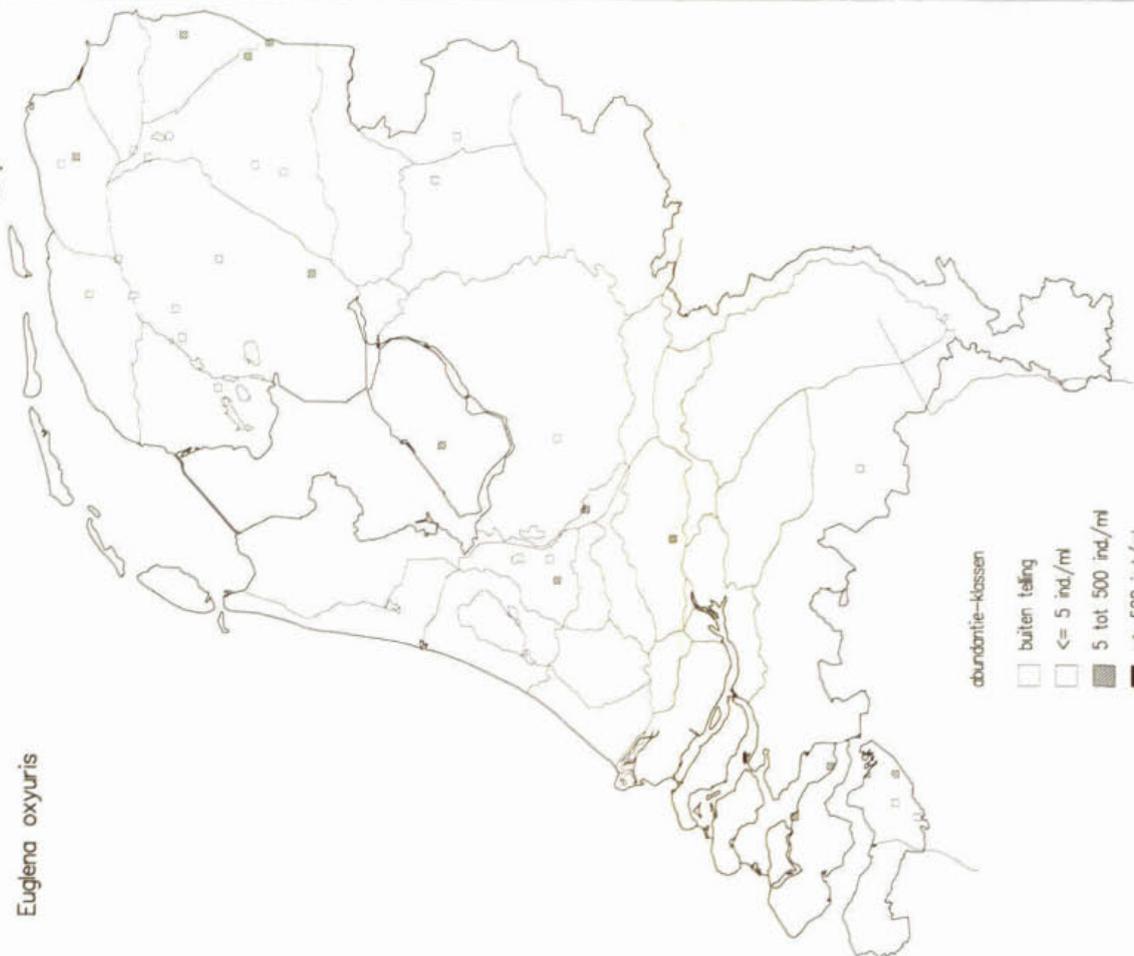
meren  
 zand-, grind- en kleigaten

**Euglena acus**



Fytoplankton : Euglenophyceae (oogflagellaten)

**Euglena oxyuris**



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

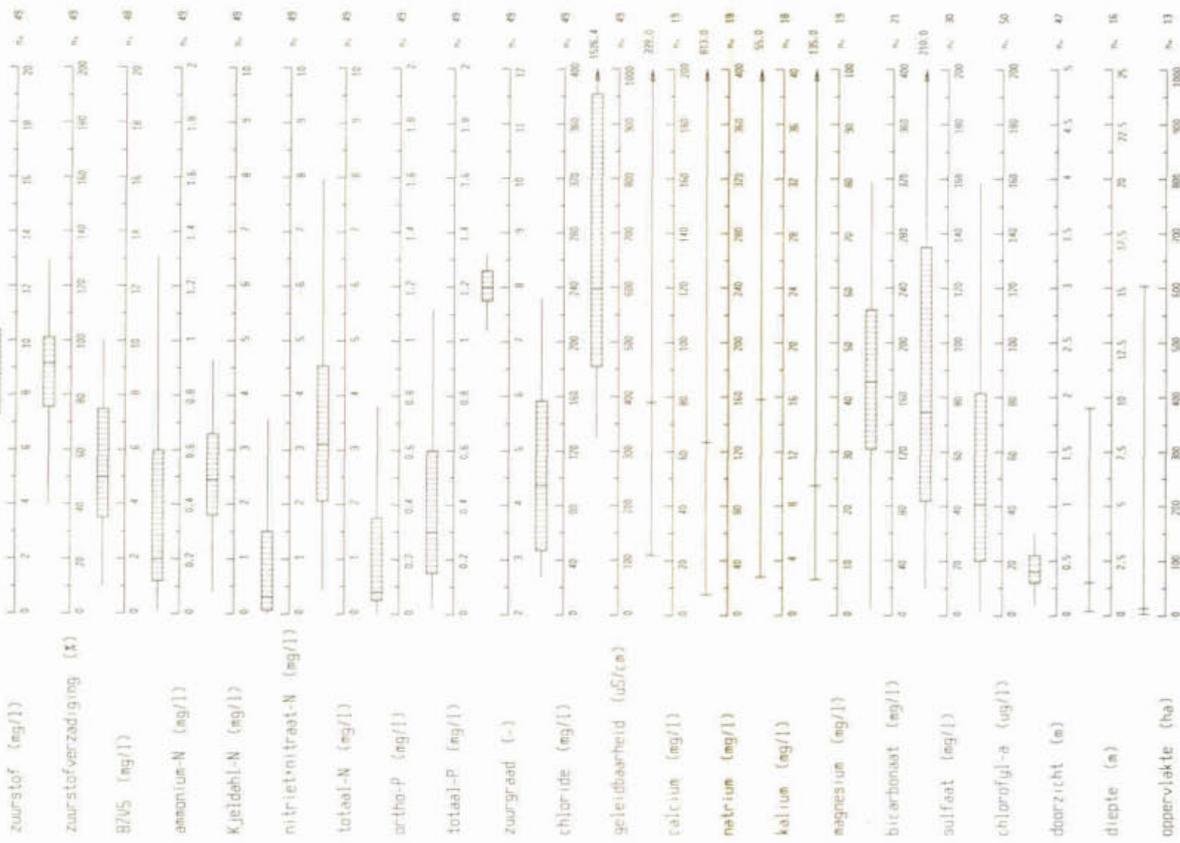
**Euglena oxyuris**

vangsten : 50  
 localities : 33  
 hobben : 33

water-typen  
 abten  
 stromende wateren  
 landen

**stowa**  
 Eco-atlas van waterorganismen

**Euglena oxyuris**



maand	jan	feb	mar	apr	mei	jun	jul	aug	sep	okt	nov	dec
verbljftijd	3w-2s			2-5w			15s			100		
bodestaemstelling	klei			veen								
watertypen	van			naar			100			100		

Fytoplankton : Euglenophyceae (oogflagellaten)

**Euglena tripteris**



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ => 500 ind./ml

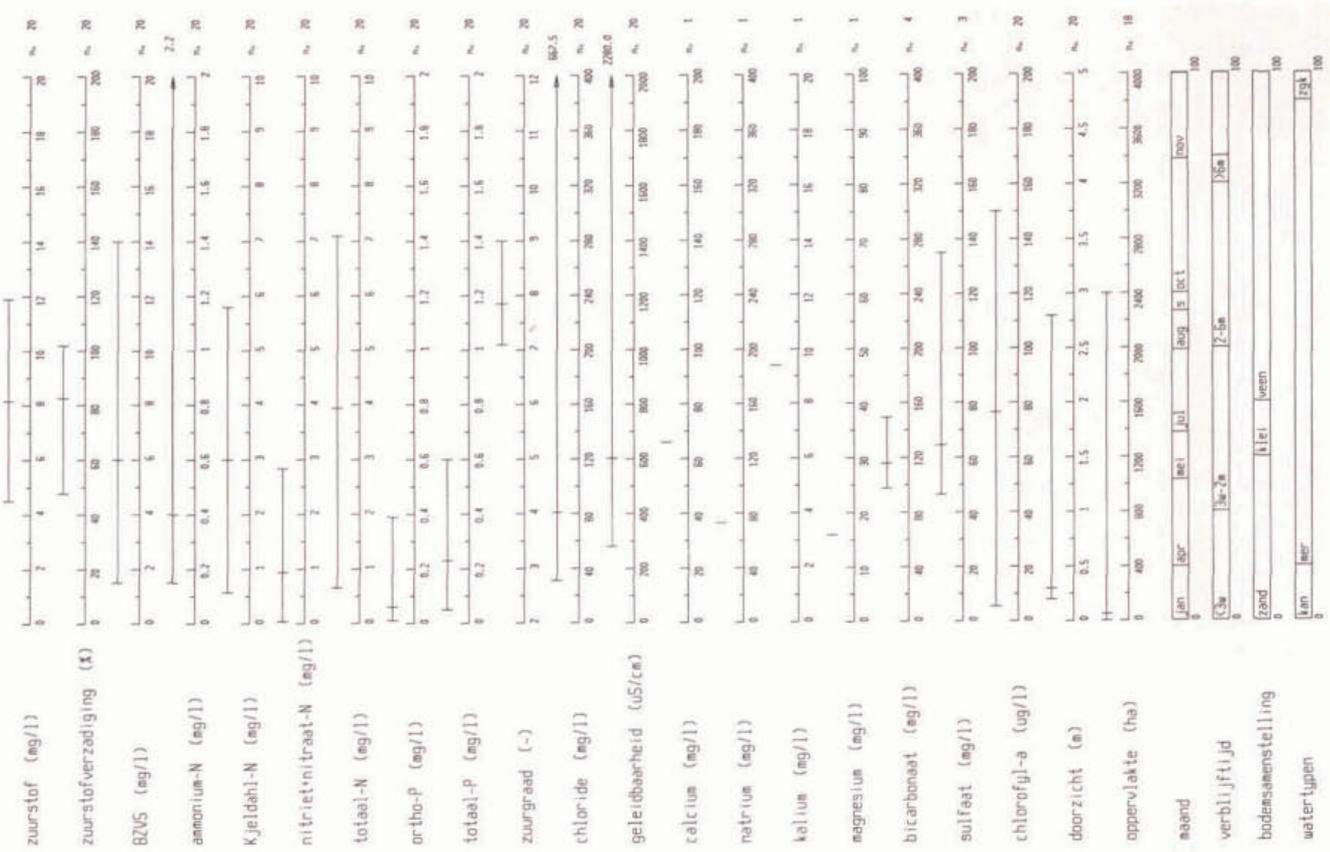


Eco-atlas van waterorganismen

**Euglena tripteris**  
 vangsten : 20  
 locaties : 13  
 hokken : 13

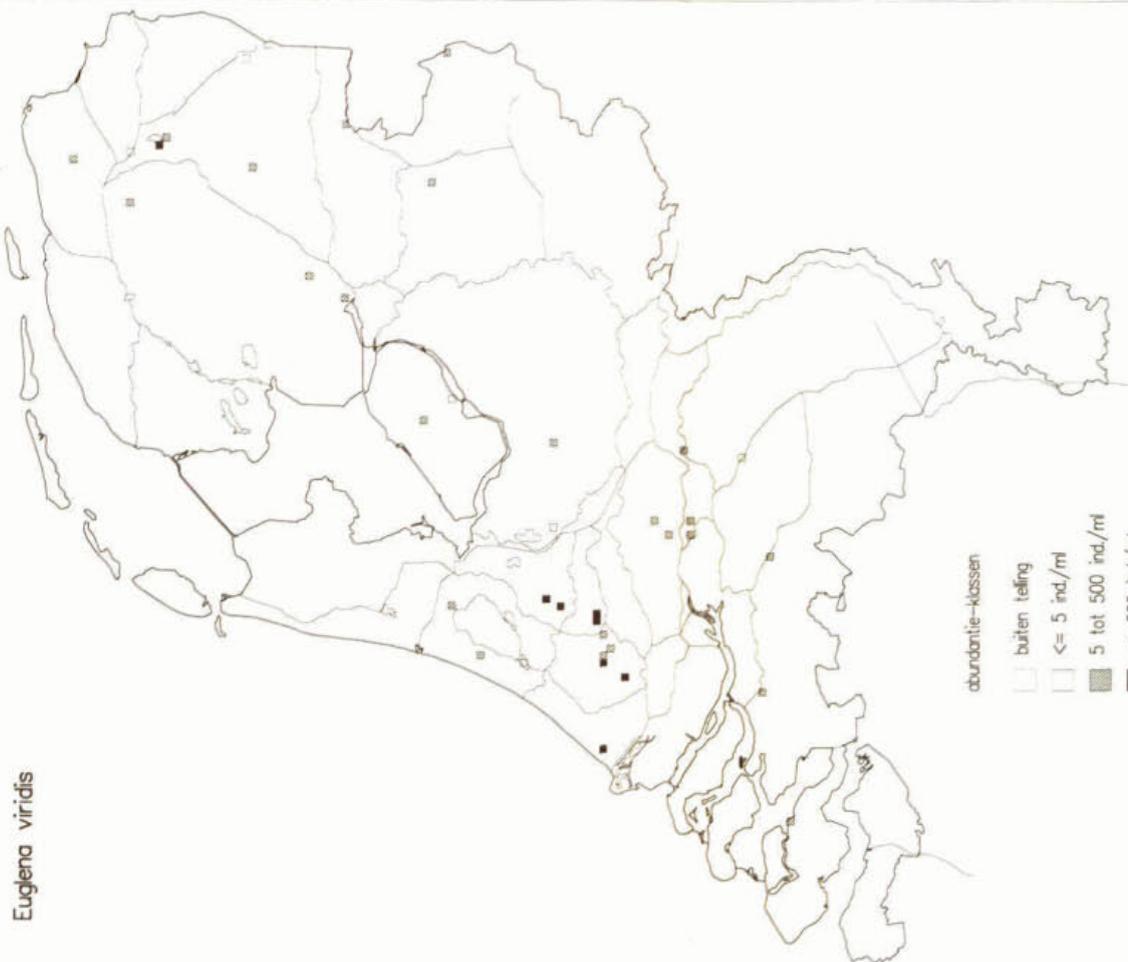
watertypen  
 skotten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten

**Euglena tripteris**



Fytoplankton : Euglenophyceae (oogflagellaten)

*Euglena viridis*



abundantie-klassen

- buiten telling
- ≤ 5 ind./ml
- 5 tot 500 ind./ml
- ≥ 500 ind./ml

*Euglena viridis*

vangsten : 53  
 locaties : 41  
 hakken : 39

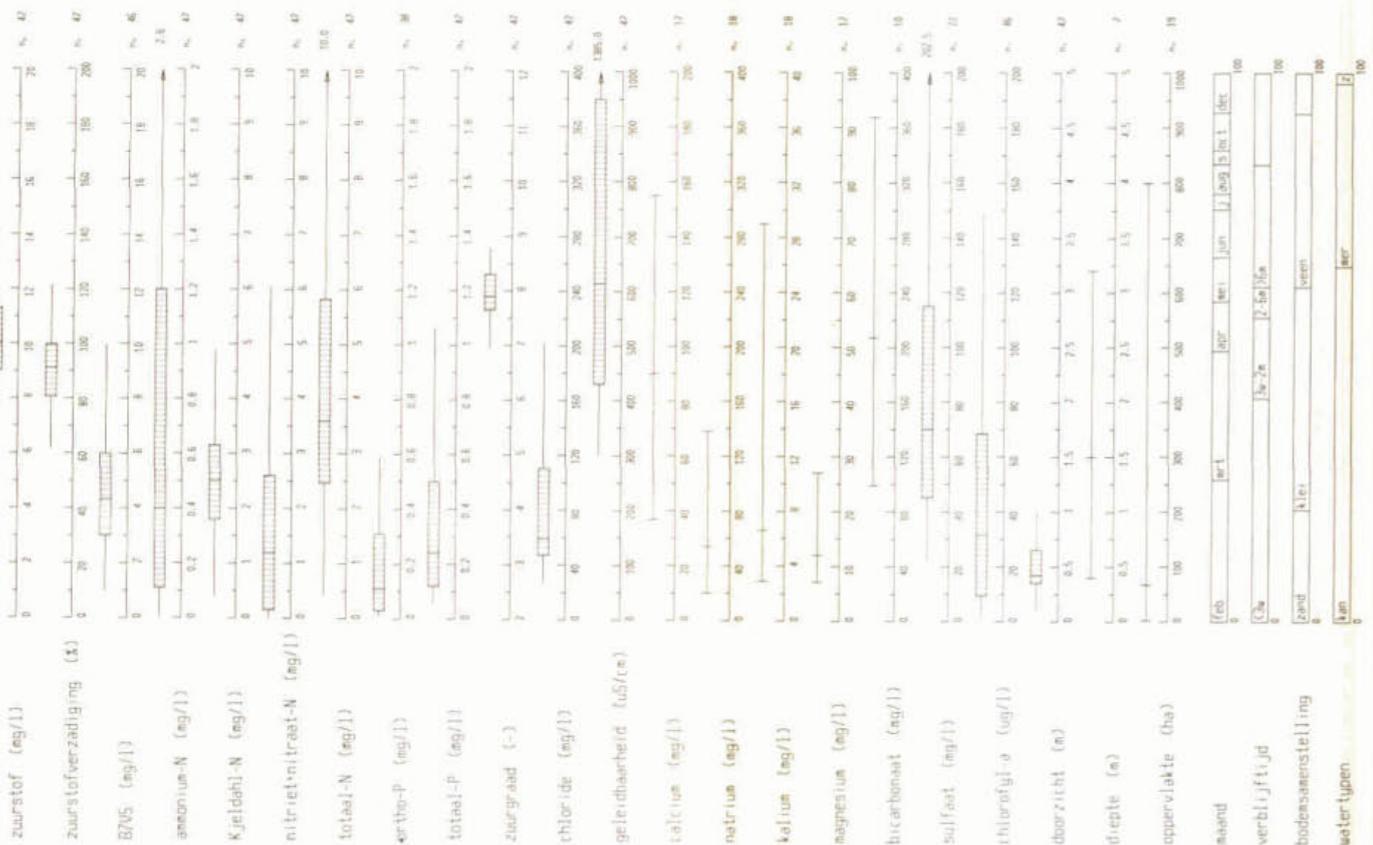
watertypen  
 □ sloten  
 □ stromende wateren  
 □ kanalen

N meren  
 N zand-, grind- en kleigaten

**stowa**

Eco-atlas van waterorganismen

*Euglena viridis*



Fytoplankton : Euglenophyceae (oogflagellaten)

*Phacus acuminatus* var. *granulata*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

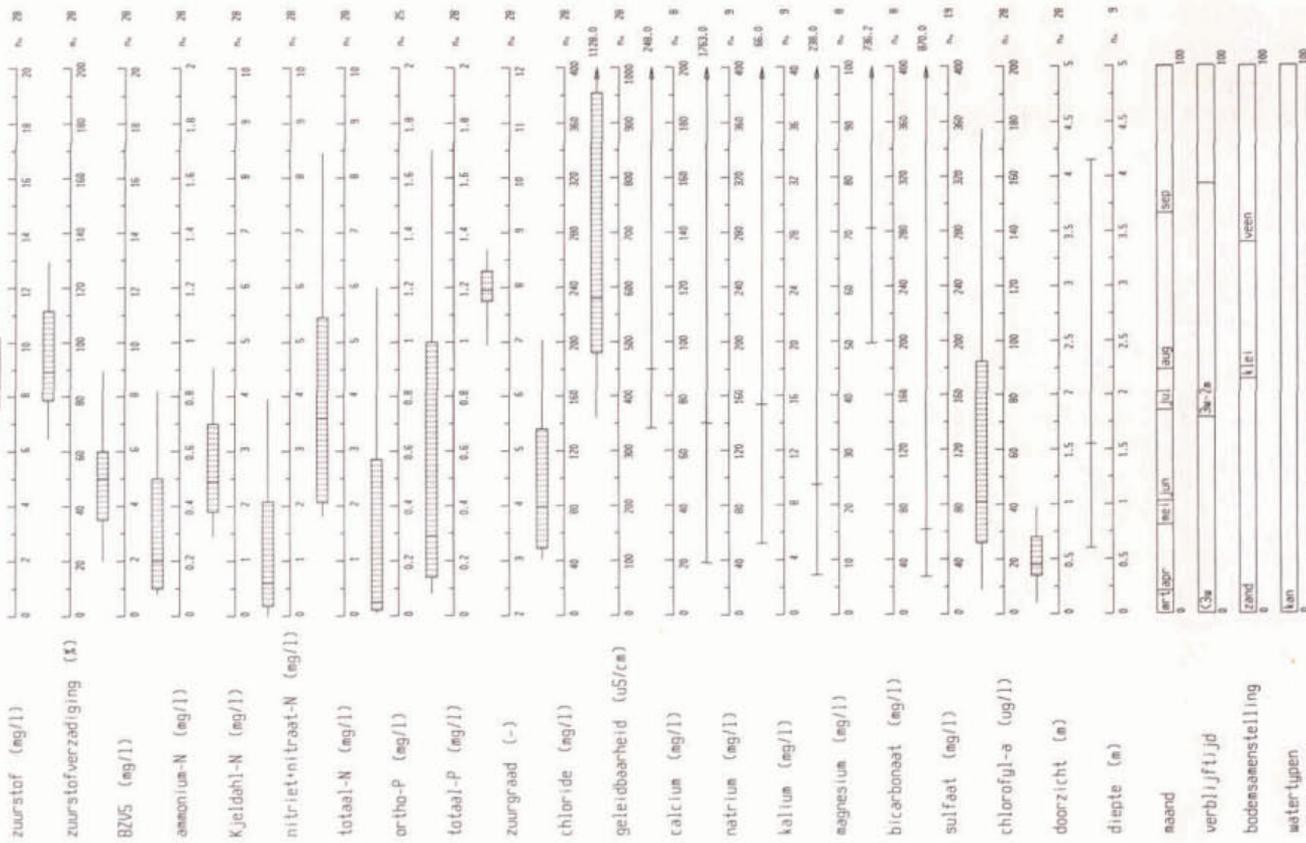
- Phacus acuminatus var. *granulata*
- meren
  - sloten
  - stromende wateren
  - karaden
  - zand-, grind- en kleigaten

vangstien : 28  
localities : 20  
hokken : 20

**stowa**

Eco-atlas van waterorganismen

*Phacus acuminatus* var. *granulata*



naamd  
verbljftijd  
bodemsamenstelling  
water-typen

Fytoplankton : Euglenophyceae (oogflagellaten)

Phacus longicauda



**stowa**  
Eco-atlas van waterorganismen

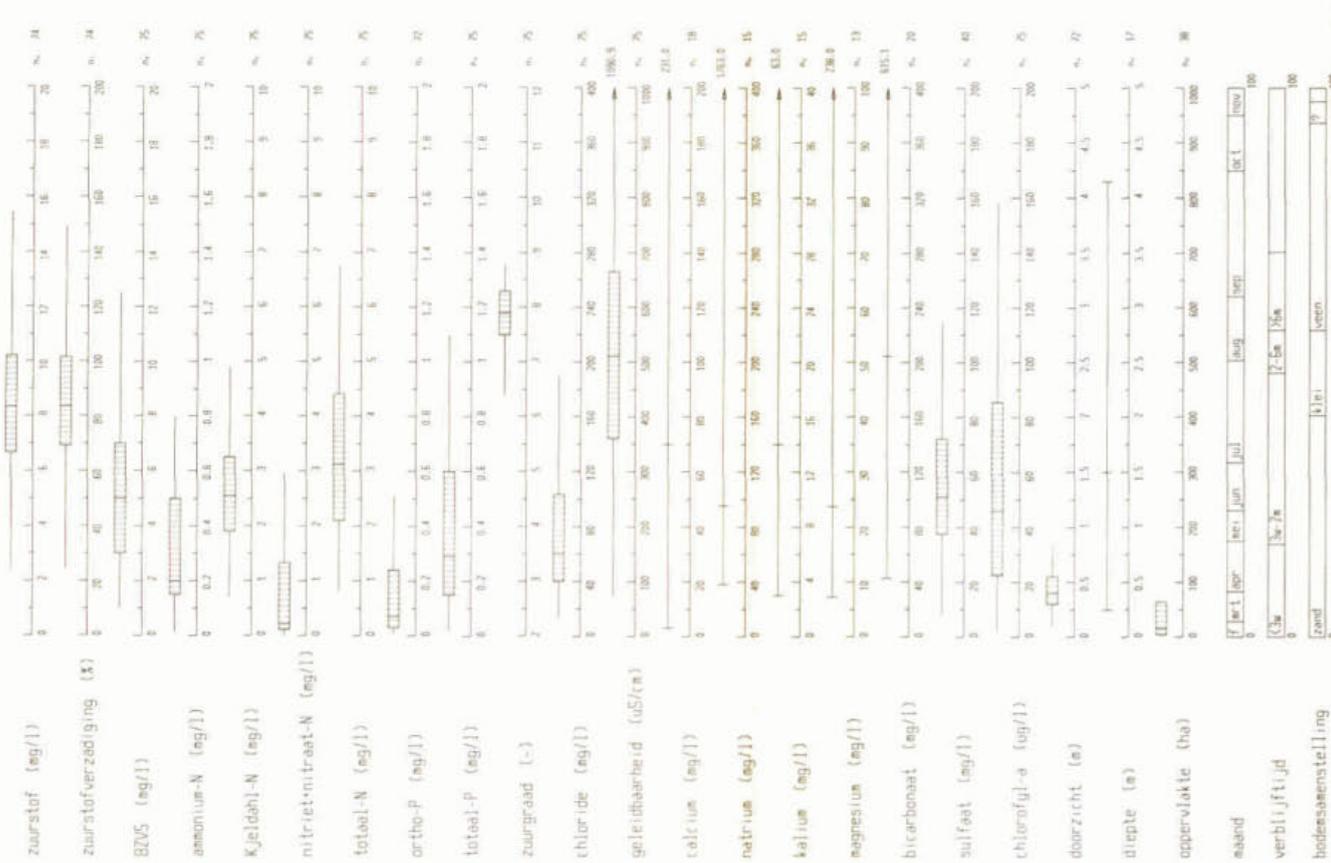
vangsten : 76  
locaties : 44  
bakken : 43

watertypen  
 slakken  
 stromende wateren  
 zand-, grind- en kleigaten

Phacus longicauda

meren  
 zand-, grind- en kleigaten

Phacus longicauda



maand  
 verblijftijd  
 bodesaanstelling

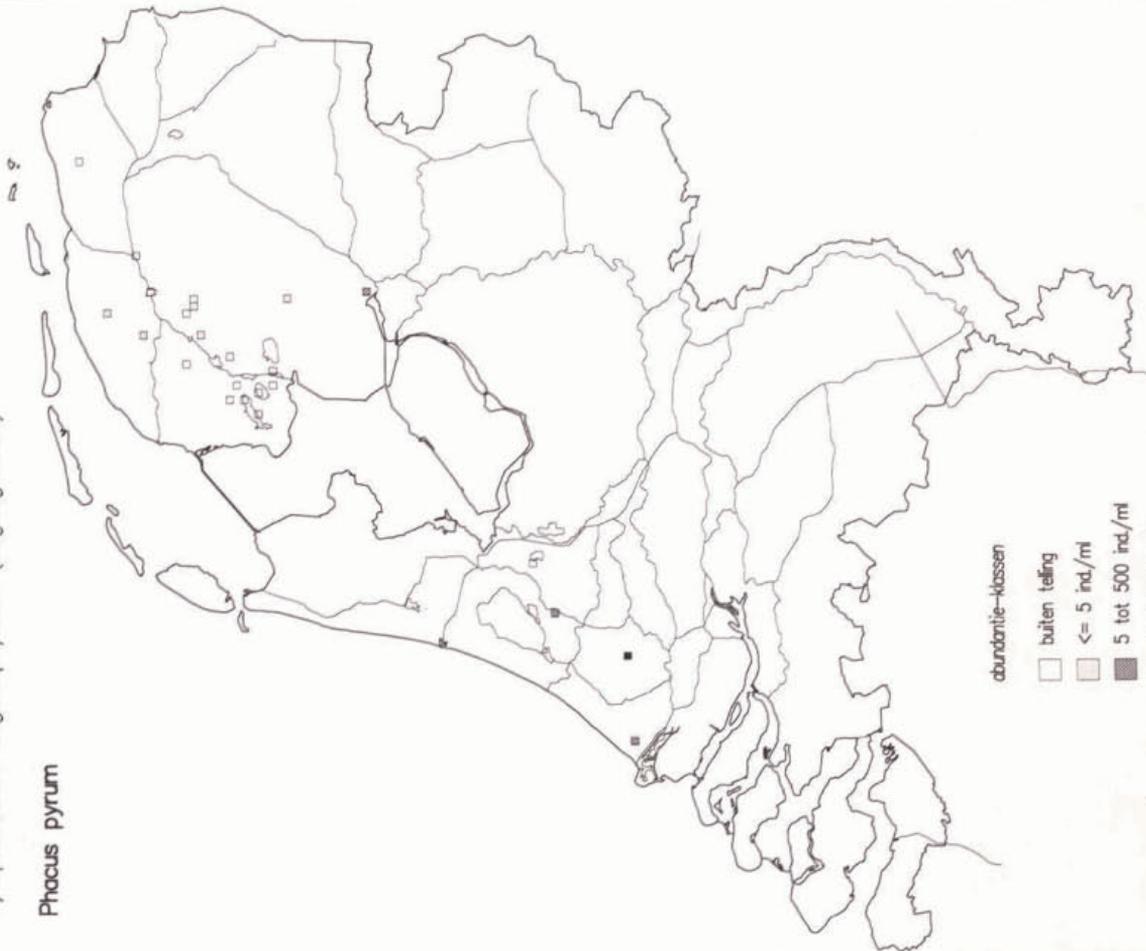
f w e r t j e g e r   m e i   j u n   j u l   a u g   s e p   o c t   n o v   d e c

z a a r   1 3 a - 7 a   7 - 1 5 a   1 5 a - 1 9 a

z e e d   1   2   3   4   5   6   7   8   9   1 0   1 1   1 2

Fytoplankton : Euglenophyceae (oogflagellaten)

Phacus pyrum



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 >= 500 ind./ml

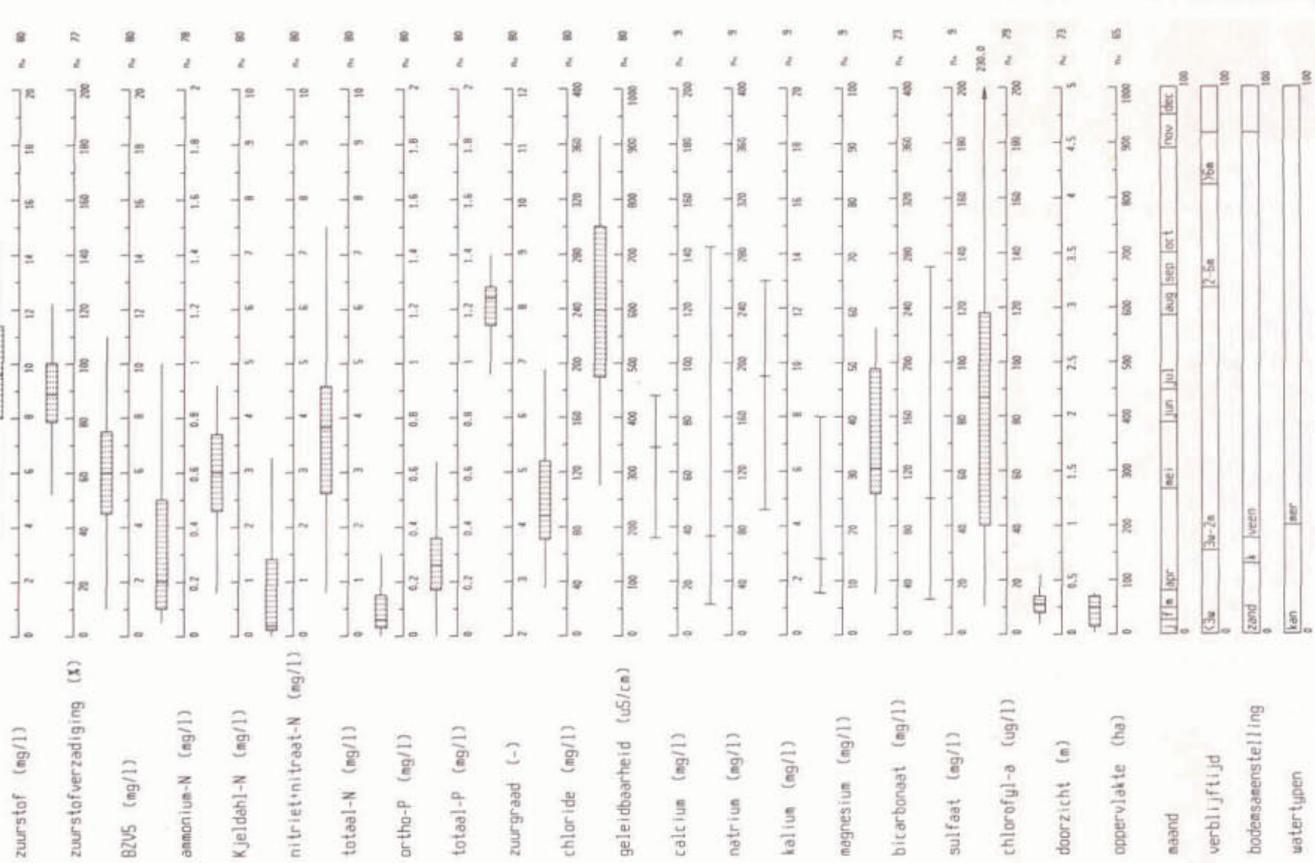
**stowa**  
 Eco-atlas van waterorganismen

vangsten : 85  
 locaties : 26  
 hekken : 25

watertypen  
 sloten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten  
 kanalen

Phacus pyrum

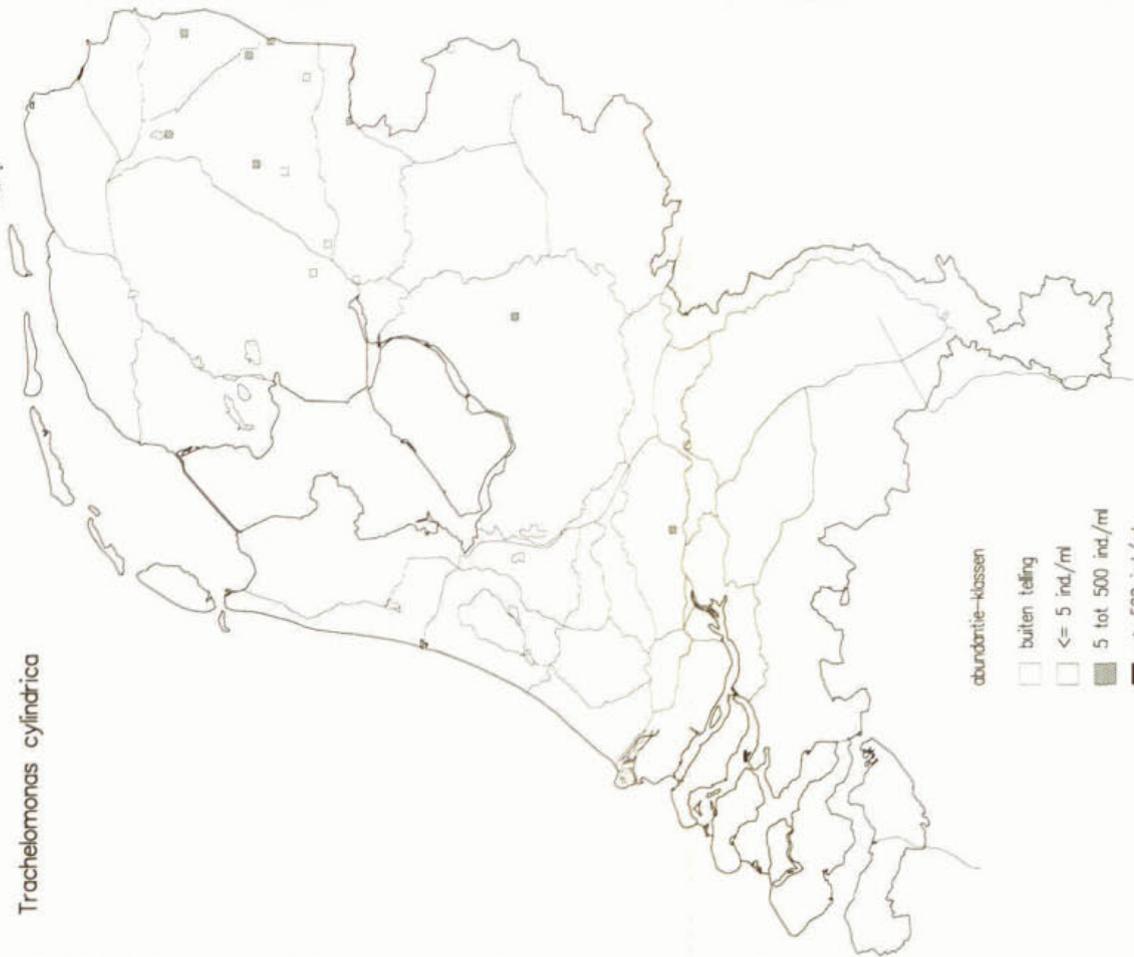
Phacus pyrum



Juli 1998  
 mei 1998  
 30-2-98  
 12-5-98  
 100  
 100  
 100  
 100

Fytoplankton : Euglenophyceae (oogflagellaten)

*Trachelomonas cylindrica*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

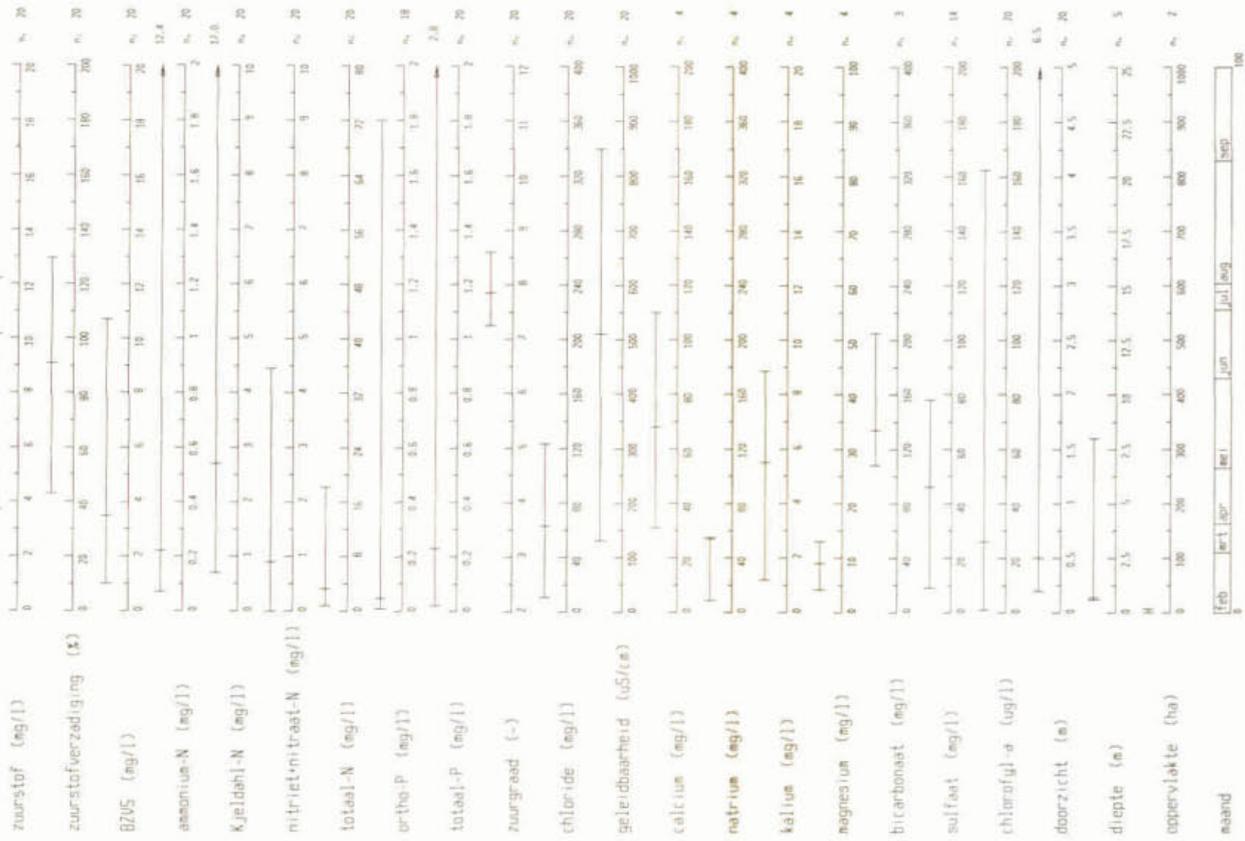
*Trachelomonas cylindrica*

- vangsten : 20  
 locaties : 15  
 bakken : 15
- watertypen  
 sloten  
 stromende wateren  
 kanalen
- meren  
 zand-  
grind- en  
kleigaten

**stowa**

Eco-atlas van waterorganismen

*Trachelomonas cylindrica*



maand	Feb	Mar	Apr	Mei	Jun	Jul	Aug	Sep	100
verl.jft/jd	3e-2e								100
bodsaamstelling	zand		klei		veen				100
watertypen	kan		slot		grind- en kleigaten				100

Fytoplankton : Euglenophyceae (oogflagellaten)

Trachelomonas hispida



abundantie-klassen

- buiten telling
- <= 5 ind./m
- 5 tot 500 ind./m
- => 500 ind./m

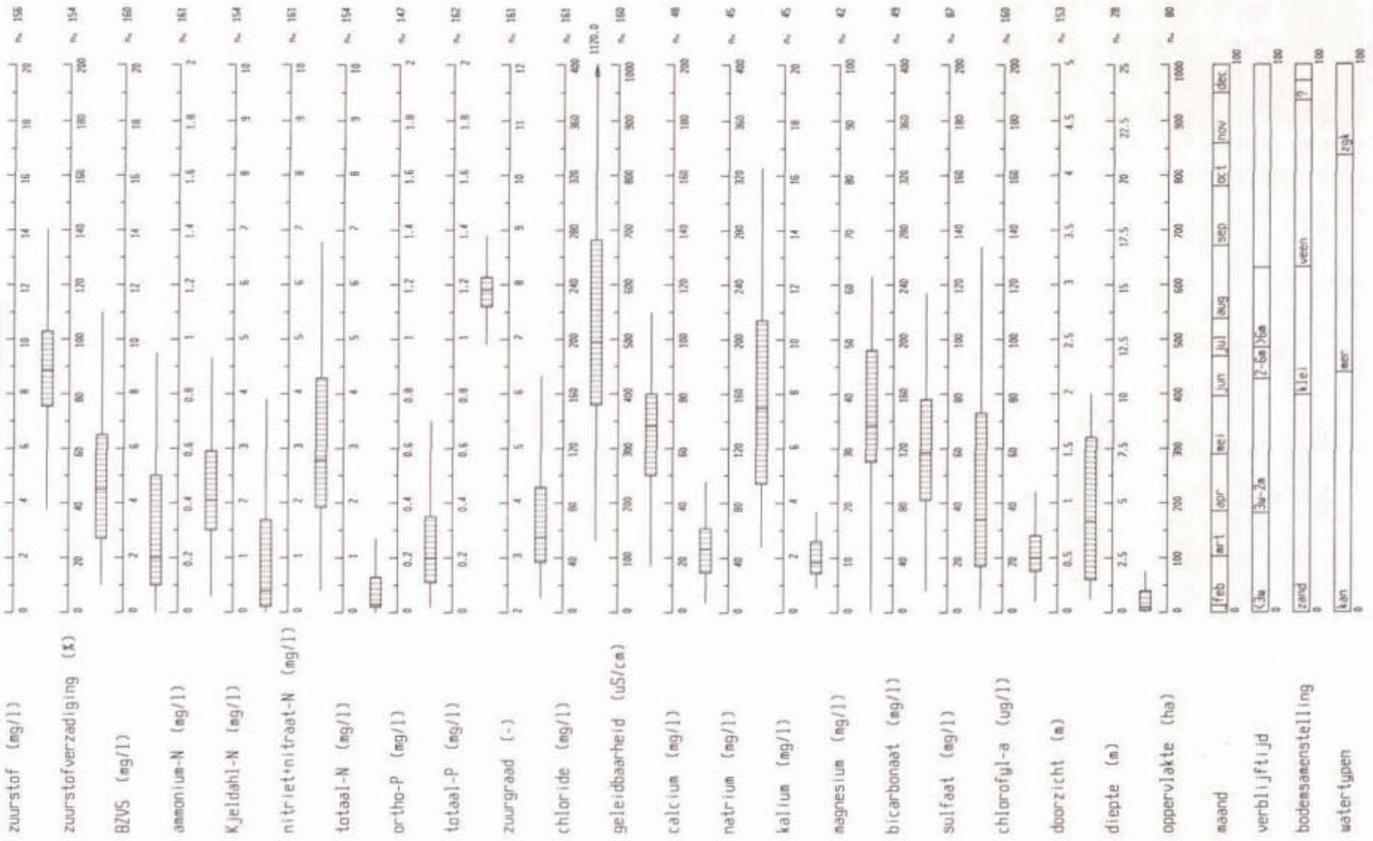
**stowa**

Eco-atlas van waterorganismen

Trachelomonas hispida

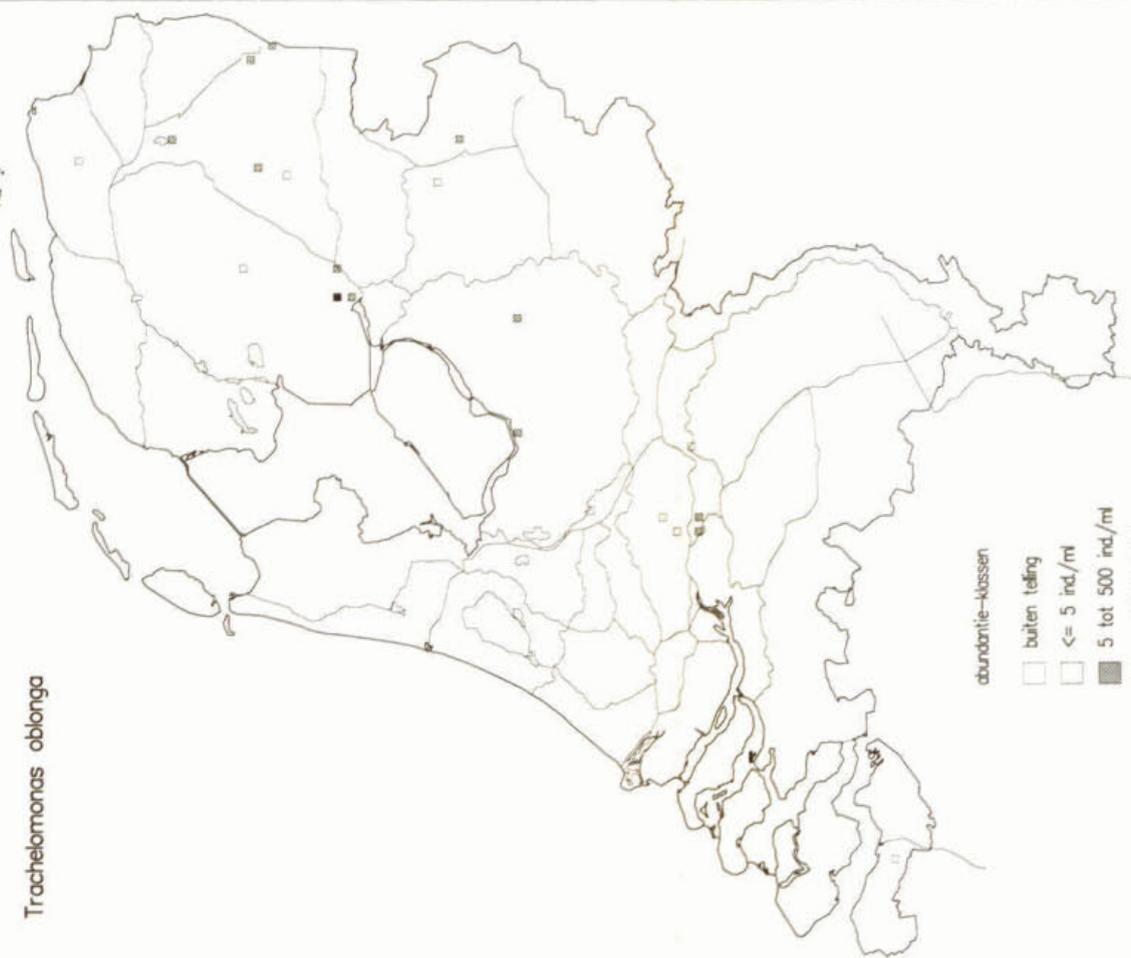
vangsten : 171  
 locaties : 86  
 hokken : 85

watertypen  
 sloten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten



Fytoplankton : Euglenophyceae (ooglagellaten)

*Trachelomonas oblonga*



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ => 500 ind./ml

*Trachelomonas oblonga*

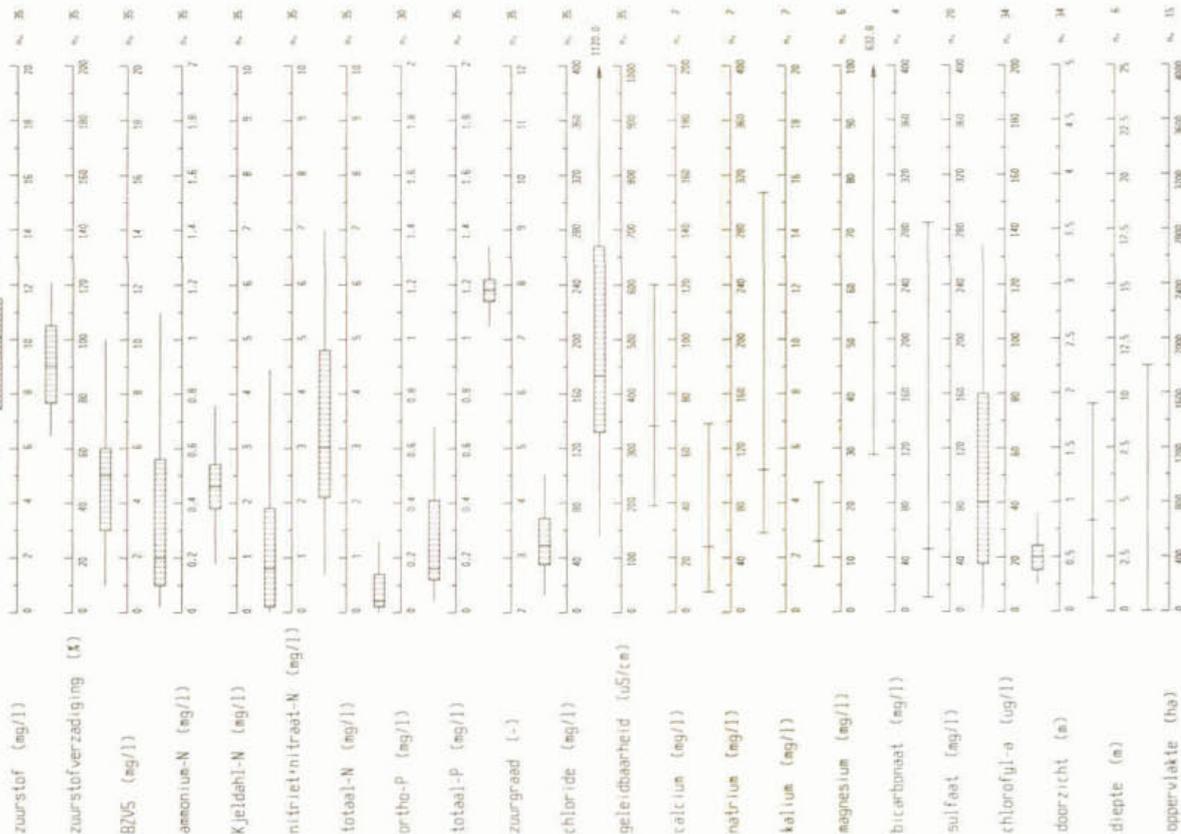
vangsten : 40  
 locaties : 22  
 habitats : 21

watertypen  
 □ sluizen  
 □ stromende wateren  
 □ strand- en kleigaten  
 □ meren



Eco-atlas van waterorganismen

*Trachelomonas oblonga*



oppervlakte (ha) 0 400 800 1200 1600 2000 2400 2800 3200 3600 4000 4400

■ zand 0 20 40 60 80 100 120 140 160 180 200

■ leem 0 20 40 60 80 100 120 140 160 180 200

■ klei 0 20 40 60 80 100 120 140 160 180 200

■ water 0 20 40 60 80 100 120 140 160 180 200

■ bodemsamenstelling 0 20 40 60 80 100 120 140 160 180 200

■ verblijftijd 0 20 40 60 80 100 120 140 160 180 200

■ maand 0 20 40 60 80 100 120 140 160 180 200

■ oppervlakte (ha) 0 20 40 60 80 100 120 140 160 180 200

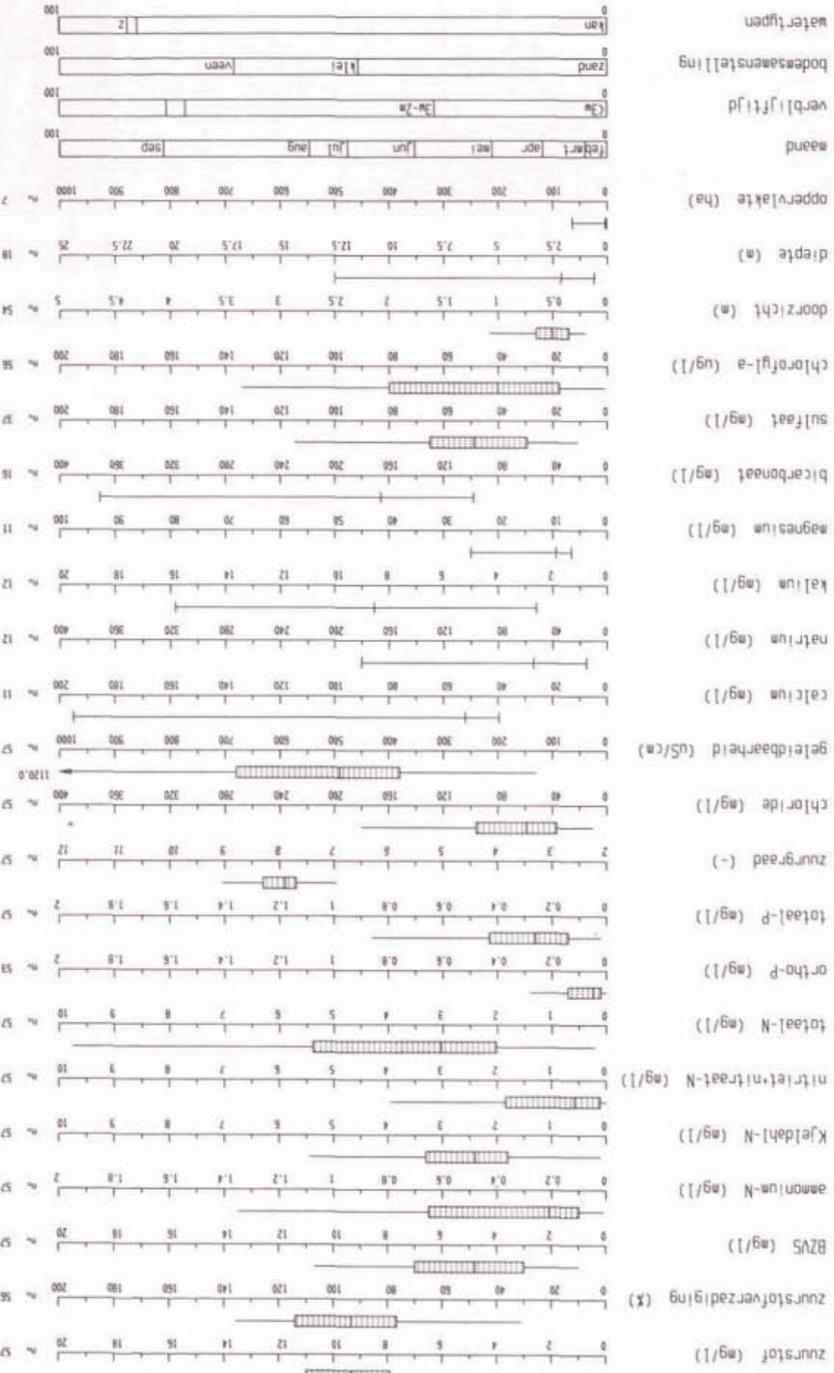
■ diepte (m) 0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

■ bicarbonaat (mg/l) 0 40 80 120 160 200 240 280 320 360 400 440 480 520 560 600 640 680 720 760 800 840 880 920 960 1000 1040 1080 1120 1160 1200

■ chloride (mg/l) 0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360 380 400 420 440 460 480 500 520 540 560 580 600

■ zuurgraad (-) 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 108 110 112 114 116 118 120 122 124 126 128 130 132 134 136 138 140 142 144 146 148 150 152 154 156 158 160 162 164 166 168 170 172 174 176 178 180 182 184 186 188 190 192 194 196 198 200

■ ammonium-N (mg/l) 0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.6 3.8 4 4.2 4.4 4.6 4.8 5 5.2 5.4 5.6 5.8 6 6.2 6.4 6.6 6.8 7 7.2 7.4 7.6 7.8 8 8.2 8.4 8.6 8.8 9 9.2 9.4 9.6 9.8 10 10.2 10.4 10.6 10.8 11 11.2 11.4 11.6 11.8 12 12.2 12.4 12.6 12.8 13 13.2 13.4 13.6 13.8 14 14.2 14.4 14.6 14.8 15 15.2 15.4 15.6 15.8 16 16.2 16.4 16.6 16.8 17 17.2 17.4 17.6 17.8 18 18.2 18.4 18.6 18.8 19 19.2 19.4 19.6 19.8 20 20.2 20.4 20.6 20.8 21 21.2 21.4 21.6 21.8 22 22.2 22.4 22.6 22.8 23 23.2 23.4 23.6 23.8 24 24.2 24.4 24.6 24.8 25 25.2 25.4 25.6 25.8 26 26.2 26.4 26.6 26.8 27 27.2 27.4 27.6 27.8 28 28.2 28.4 28.6 28.8 29 29.2 29.4 29.6 29.8 30 30.2 30.4 30.6 30.8 31 31.2 31.4 31.6 31.8 32 32.2 32.4 32.6 32.8 33 33.2 33.4 33.6 33.8 34 34.2 34.4 34.6 34.8 35 35.2 35.4 35.6 35.8 36 36.2 36.4 36.6 36.8 37 37.2 37.4 37.6 37.8 38 38.2 38.4 38.6 38.8 39 39.2 39.4 39.6 39.8 40 40.2 40.4 40.6 40.8 41 41.2 41.4 41.6 41.8 42 42.2 42.4 42.6 42.8 43 43.2 43.4 43.6 43.8 44 44.2 44.4 44.6 44.8 45 45.2 45.4 45.6 45.8 46 46.2 46.4 46.6 46.8 47 47.2 47.4 47.6 47.8 48 48.2 48.4 48.6 48.8 49 49.2 49.4 49.6 49.8 50 50.2 50.4 50.6 50.8 51 51.2 51.4 51.6 51.8 52 52.2 52.4 52.6 52.8 53 53.2 53.4 53.6 53.8 54 54.2 54.4 54.6 54.8 55 55.2 55.4 55.6 55.8 56 56.2 56.4 56.6 56.8 57 57.2 57.4 57.6 57.8 58 58.2 58.4 58.6 58.8 59 59.2 59.4 59.6 59.8 60 60.2 60.4 60.6 60.8 61 61.2 61.4 61.6 61.8 62 62.2 62.4 62.6 62.8 63 63.2 63.4 63.6 63.8 64 64.2 64.4 64.6 64.8 65 65.2 65.4 65.6 65.8 66 66.2 66.4 66.6 66.8 67 67.2 67.4 67.6 67.8 68 68.2 68.4 68.6 68.8 69 69.2 69.4 69.6 69.8 70 70.2 70.4 70.6 70.8 71 71.2 71.4 71.6 71.8 72 72.2 72.4 72.6 72.8 73 73.2 73.4 73.6 73.8 74 74.2 74.4 74.6 74.8 75 75.2 75.4 75.6 75.8 76 76.2 76.4 76.6 76.8 77 77.2 77.4 77.6 77.8 78 78.2 78.4 78.6 78.8 79 79.2 79.4 79.6 79.8 80 80.2 80.4 80.6 80.8 81 81.2 81.4 81.6 81.8 82 82.2 82.4 82.6 82.8 83 83.2 83.4 83.6 83.8 84 84.2 84.4 84.6 84.8 85 85.2 85.4 85.6 85.8 86 86.2 86.4 86.6 86.8 87 87.2 87.4 87.6 87.8 88 88.2 88.4 88.6 88.8 89 89.2 89.4 89.6 89.8 90 90.2 90.4 90.6 90.8 91 91.2 91.4 91.6 91.8 92 92.2 92.4 92.6 92.8 93 93.2 93.4 93.6 93.8 94 94.2 94.4 94.6 94.8 95 95.2 95.4 95.6 95.8 96 96.2 96.4 96.6 96.8 97 97.2 97.4 97.6 97.8 98 98.2 98.4 98.6 98.8 99 99.2 99.4 99.6 99.8 100 100.2 100.4 100.6 100.8 101 101.2 101.4 101.6 101.8 102 102.2 102.4 102.6 102.8 103 103.2 103.4 103.6 103.8 104 104.2 104.4 104.6 104.8 105 105.2 105.4 105.6 105.8 106 106.2 106.4 106.6 106.8 107 107.2 107.4 107.6 107.8 108 108.2 108.4 108.6 108.8 109 109.2 109.4 109.6 109.8 110 110.2 110.4 110.6 110.8 111 111.2 111.4 111.6 111.8 112 112.2 112.4 112.6 112.8 113 113.2 113.4 113.6 113.8 114 114.2 114.4 114.6 114.8 115 115.2 115.4 115.6 115.8 116 116.2 116.4 116.6 116.8 117 117.2 117.4 117.6 117.8 118 118.2 118.4 118.6 118.8 119 119.2 119.4 119.6 119.8 120 120.2 120.4 120.6 120.8 121 121.2 121.4 121.6 121.8 122 122.2 122.4 122.6 122.8 123 123.2 123.4 123.6 123.8 124 124.2 124.4 124.6 124.8 125 125.2 125.4 125.6 125.8 126 126.2 126.4 126.6 126.8 127 127.2 127.4 127.6 127.8 128 128.2 128.4 128.6 128.8 129 129.2 129.4 129.6 129.8 130 130.2 130.4 130.6 130.8 131 131.2 131.4 131.6 131.8 132 132.2 132.4 132.6 132.8 133 133.2 133.4 133.6 133.8 134 134.2 134.4 134.6 134.8 135 135.2 135.4 135.6 135.8 136 136.2 136.4 136.6 136.8 137 137.2 137.4 137.6 137.8 138 138.2 138.4 138.6 138.8 139 139.2 139.4 139.6 139.8 140 140.2 140.4 140.6 140.8 141 141.2 141.4 141.6 141.8 142 142.2 142.4 142.6 142.8 143 143.2 143.4 143.6 143.8 144 144.2 144.4 144.6 144.8 145 145.2 145.4 145.6 145.8 146 146.2 146.4 146.6 146.8 147 147.2 147.4 147.6 147.8 148 148.2 148.4 148.6 148.8 149 149.2 149.4 149.6 149.8 150 150.2 150.4 150.6 150.8 151 151.2 151.4 151.6 151.8 152 152.2 152.4 152.6 152.8 153 153.2 153.4 153.6 153.8 154 154.2 154.4 154.6 154.8 155 155.2 155.4 155.6 155.8 156 156.2 156.4 156.6 156.8 157 157.2 157.4 157.6 157.8 158 158.2 158.4 158.6 158.8 159 159.2 159.4 159.6 159.8 160 160.2 160.4 160.6 160.8 161 161.2 161.4 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197.2 197.4 197.6 197.8 198 198.2 198.4 198.6 198.8 199 199.2 199.4 199.6 199.8 200 200.2 200.4 200.6 200.8 201 201.2 201.4 201.6 201.8 202 202.2 202.4 202.6 202.8 203 203.2 203.4 203.6 203.8 204 204.2 204.4 204.6 204.8 205 205.2 205.4 205.6 205.8 206 206.2 206.4 206.6 206.8 207 207.2 207.4 207.6 207.8 208 208.2 208.4 208.6 208.8 209 209.2 209.4 209.6 209.8 210 210.2 210.4 210.6 210.8 211 211.2 211.4 211.6 211.8 212 212.2 212.4 212.6 212.8 213 213.2 213.4 213.6 213.8 214 214.2 214.4 214.6 214.8 215 215.2 215.4 215.6 215.8 216 216.2 216.4 216.6 216.8 217 217.2 217.4 217.6 217.8 218 218.2 218.4 218.6 218.8 219 219.2 219.4 219.6 219.8 220 220.2 220.4 220.6 220.8 221 221.2 221.4 221.6 221.8 222 222.2 222.4 222.6 222.8 223 223.2 223.4 223.6 223.8 224 224.2 224.4 224.6 224.8 225 225.2 225.4 225.6 225.8 226 226.2 226.4 226.6 226.8 227 227.2 227.4 227.6 227.8 228 228.2 228.4 228.6 228.8 229 229.2 229.4 229.6 229.8 230 230.2 230.4 230.6 230.8 231 231.2 231.4 231.6 231.8 232 232.2 232.4 232.6 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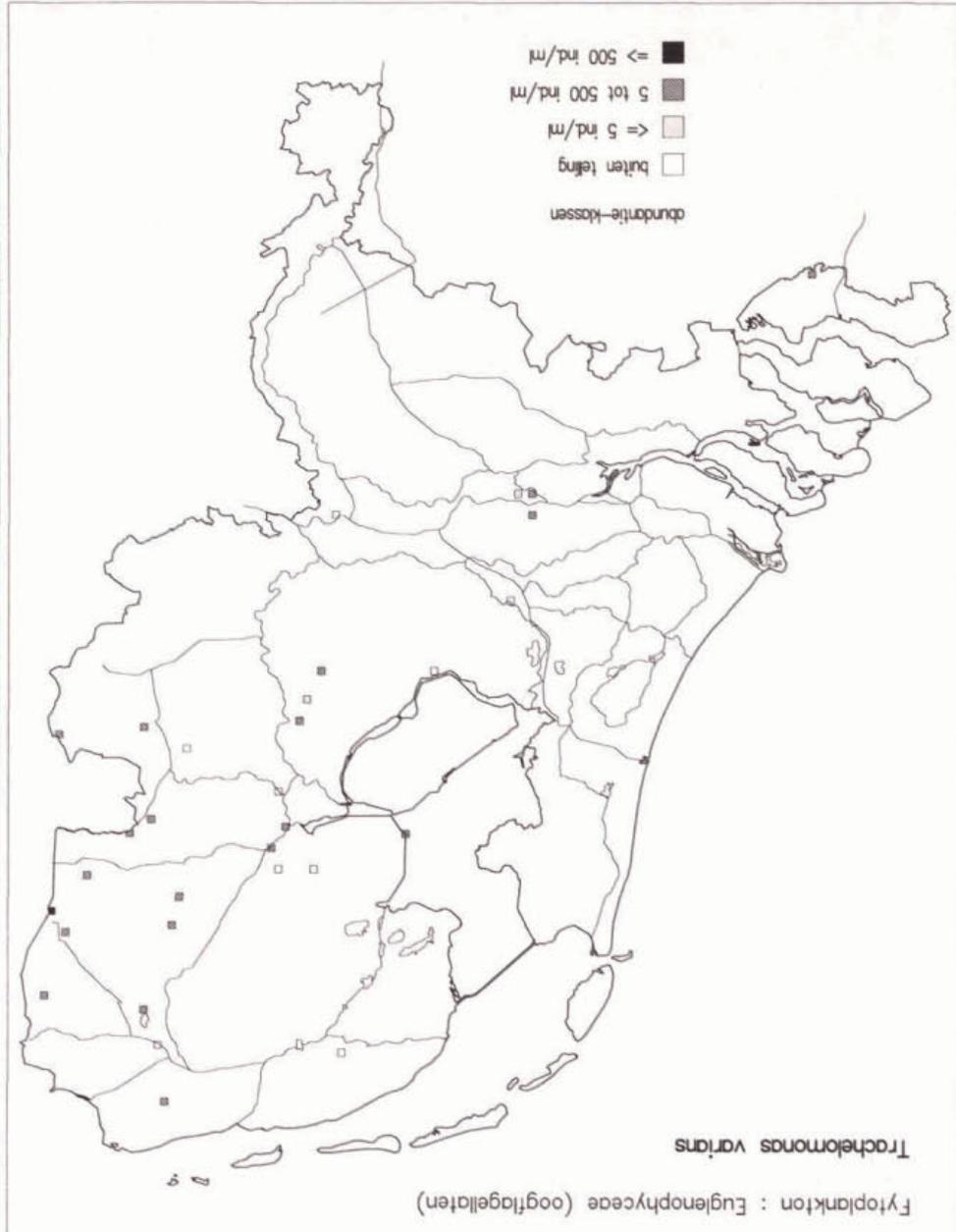
Trachelomonas varians

**STOWA**  
Eco-atlas van waterorganismen

Trachelomonas varians

vangsten : 57  
locaties : 32  
hokken : 31

watertypen  sloten  meren  
stromende wateren  zand-, grind- en kleigaten  kanden



Fytoplankton : Euglenophyceae (oogflagellaten)  
Trachelomonas varians

Fytoplankton : Euglenophyceae (oogflagellaten)

*Trachelomonas verrucosa*



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./m  
 □ 5 tot 500 ind./m  
 ■ ⇒ 500 ind./m

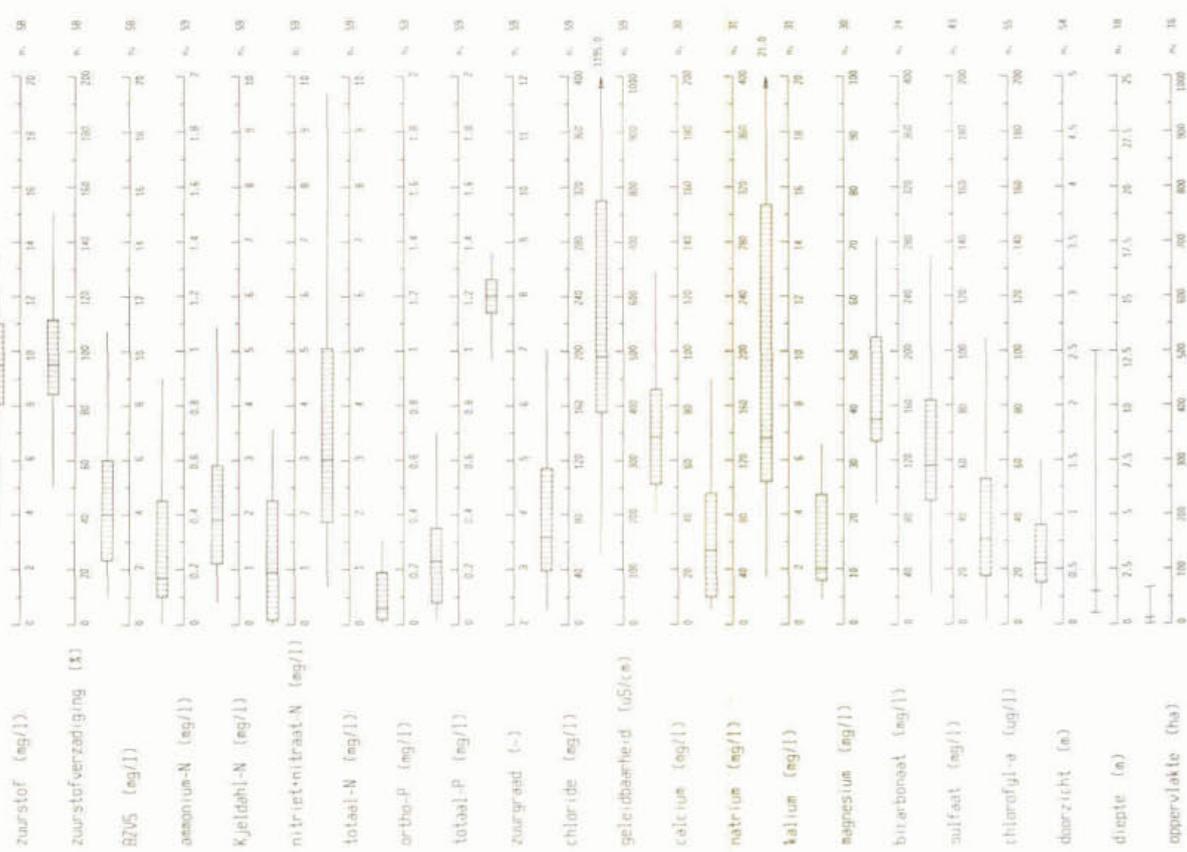
*Trachelomonas verrucosa*

vangsten : 61  
 locaties : 44  
 hokken : 44

watertypen  
 □ sloten  
 □ stromende wateren  
 □ meren  
 □ zand-, grind- en kleigaten  
 □ kanden

**stowa**  
 Eco-atlas van waterorganismen

*Trachelomonas verrucosa*



maand  
 februari | maart | april | mei | juni | juli | augustus | september | oktober | november | december

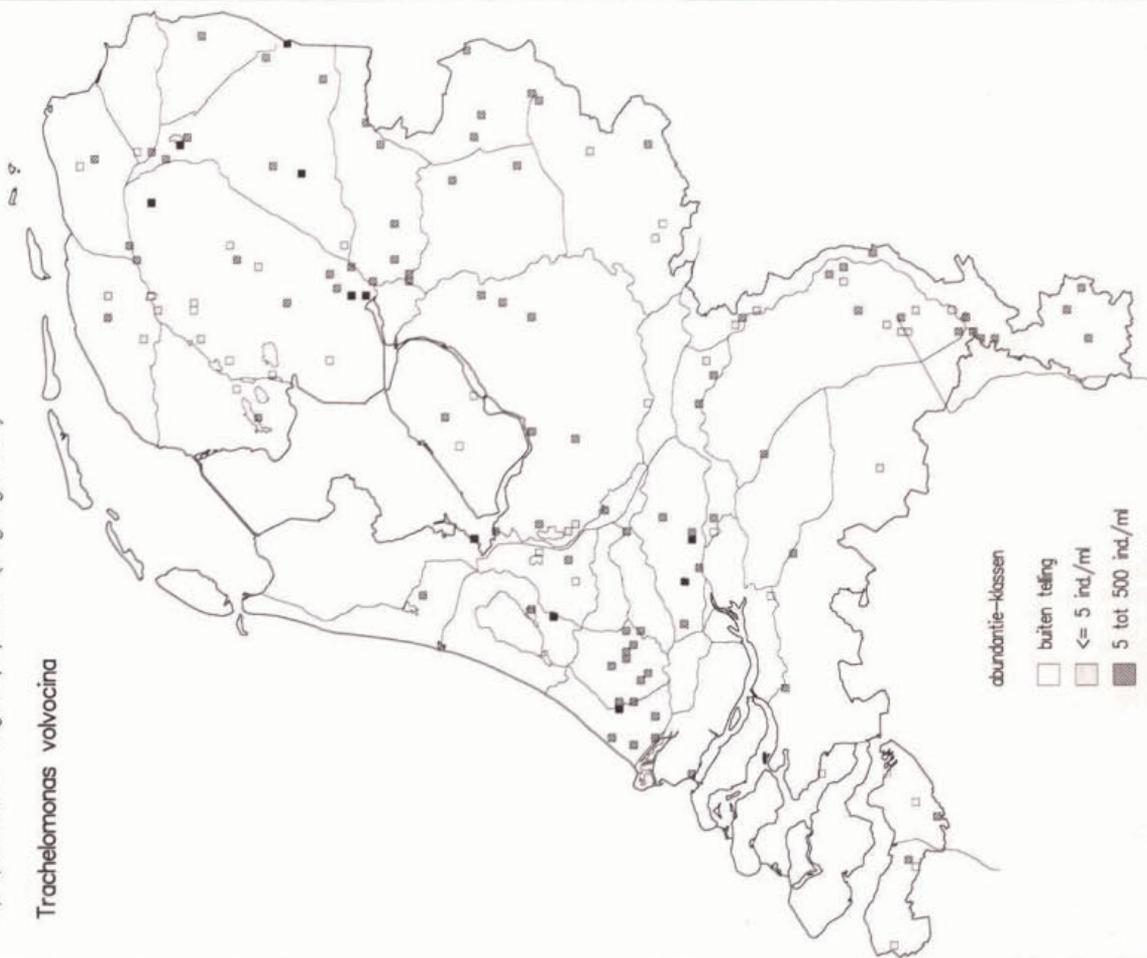
verbljftijd  
 0 | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 | 225 | 250 | 275 | 300 | 325 | 350 | 375 | 400 | 425 | 450 | 475 | 500 | 525 | 550 | 575 | 600 | 625 | 650 | 675 | 700 | 725 | 750 | 775 | 800 | 825 | 850 | 875 | 900 | 925 | 950 | 975 | 1000

bodsaenstelling  
 zand | klei | veen

watertypen  
 kan | sloot | zijl

Fytoplankton : Euglenophyceae (oogflagellaten)

**Trachelomonas volvocina**



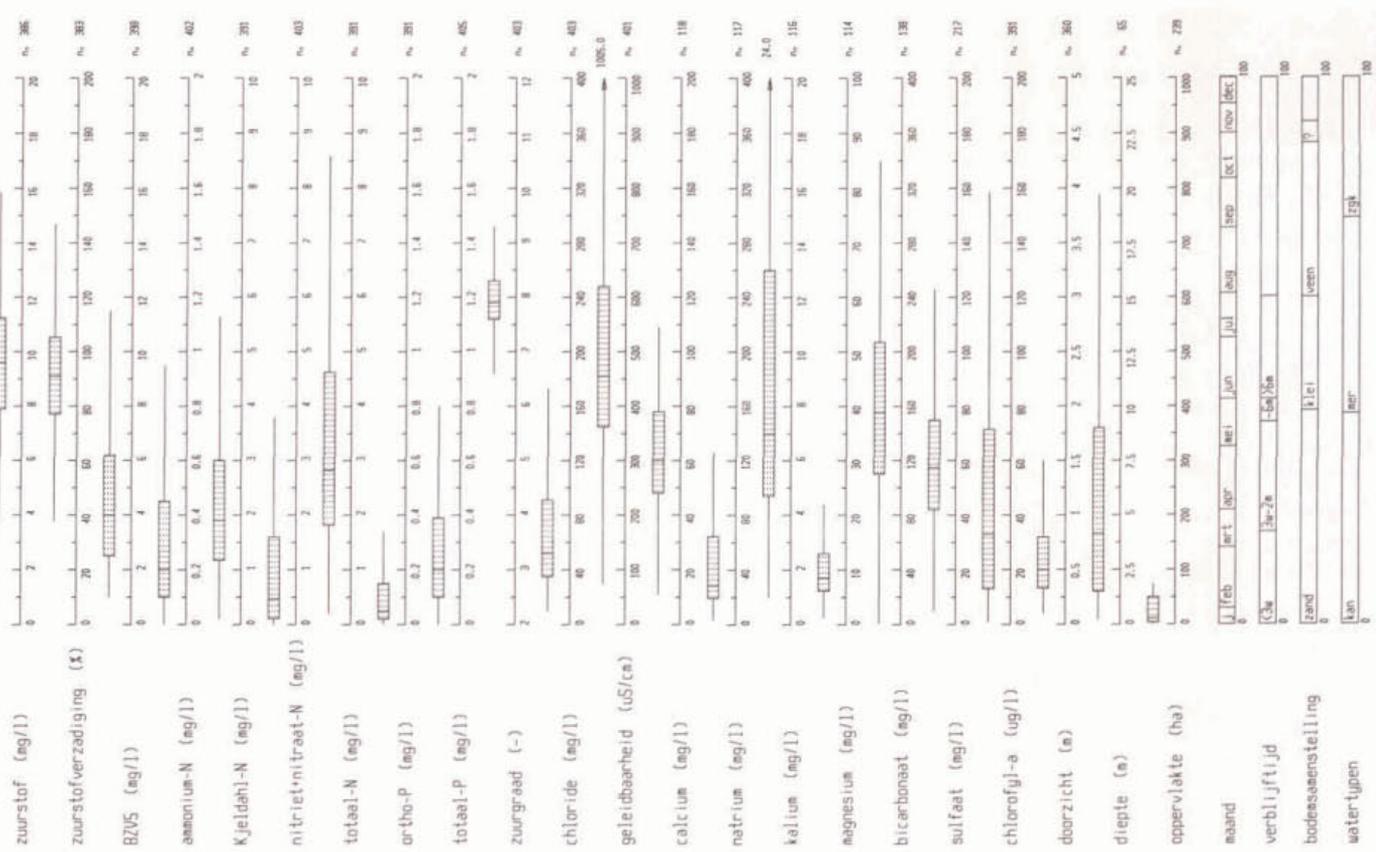
**stowa**  
Eco-atlas van waterorganismen

**Trachelomonas volvocina**

vangsten : 434  
locaties : 147  
hokken : 141

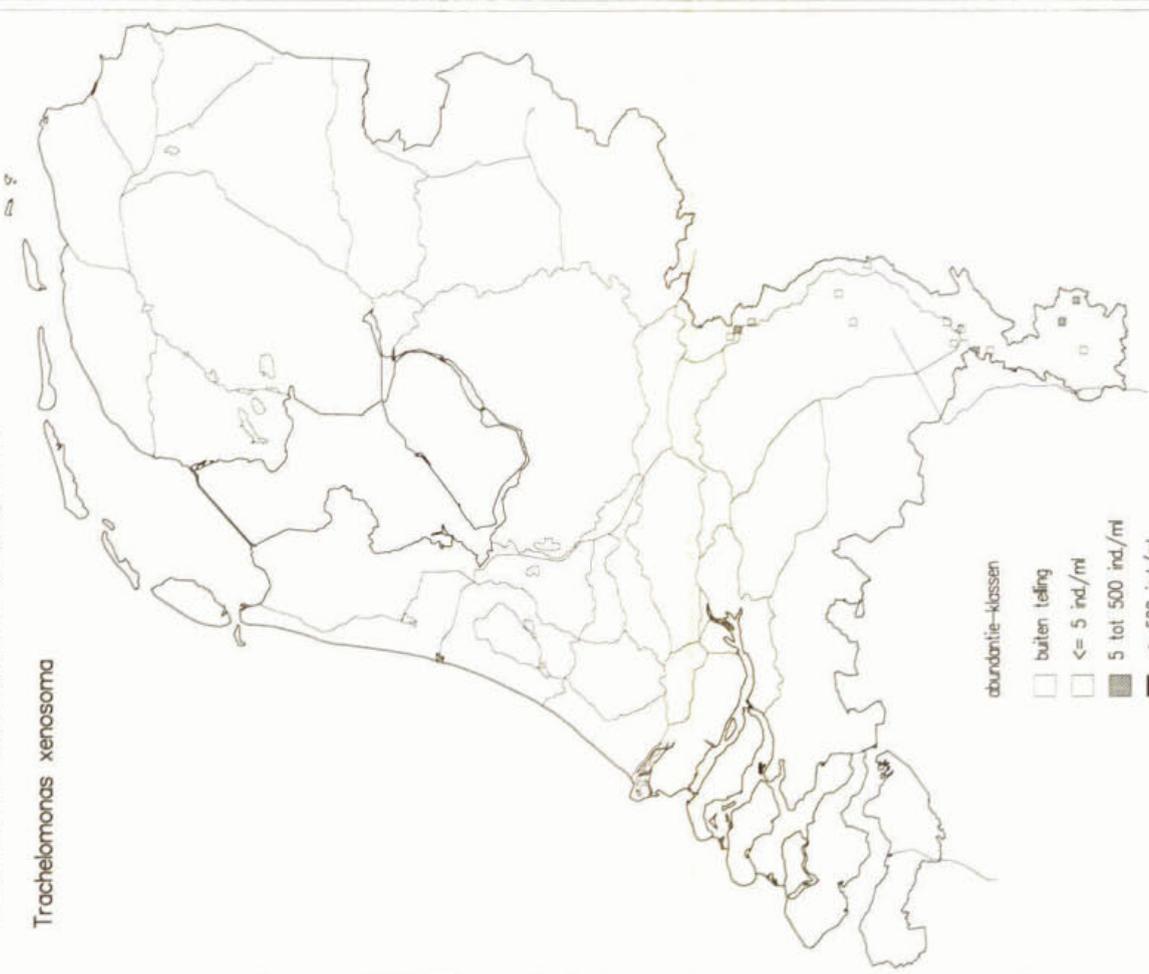
water-typen  
 scien  
 stromende wateren  
 meren  
 kleigaten

**Trachelomonas volvocina**



Fytoplankton : Euglenophyceae (oogflagellaten)

Trachelomonas xenosoma



abundantie-klassen  
 buiten telling  
 ≤ 5 ind./m<sup>3</sup>  
 5 tot 500 ind./m<sup>3</sup>  
 ⇒ 500 ind./m<sup>3</sup>

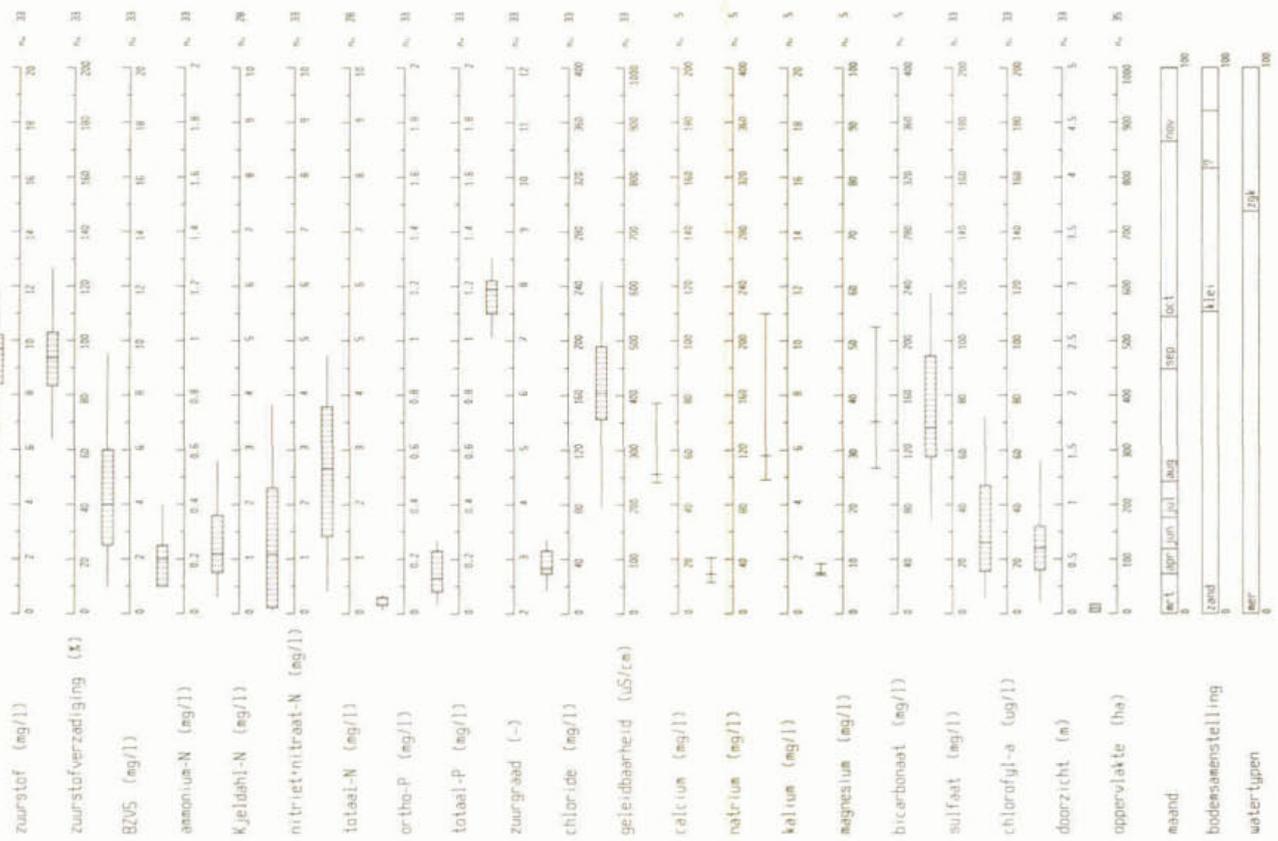
Trachelomonas xenosoma

vangsten : 39  
 locaties : 16  
 hokken : 15

watertypen  
 sloten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen



Trachelomonas xenosoma



maand: 

apr	mei	juni	juli	aug	sep	okt	nov
-----	-----	------	------	-----	-----	-----	-----

  
 bodesaanstelling: 

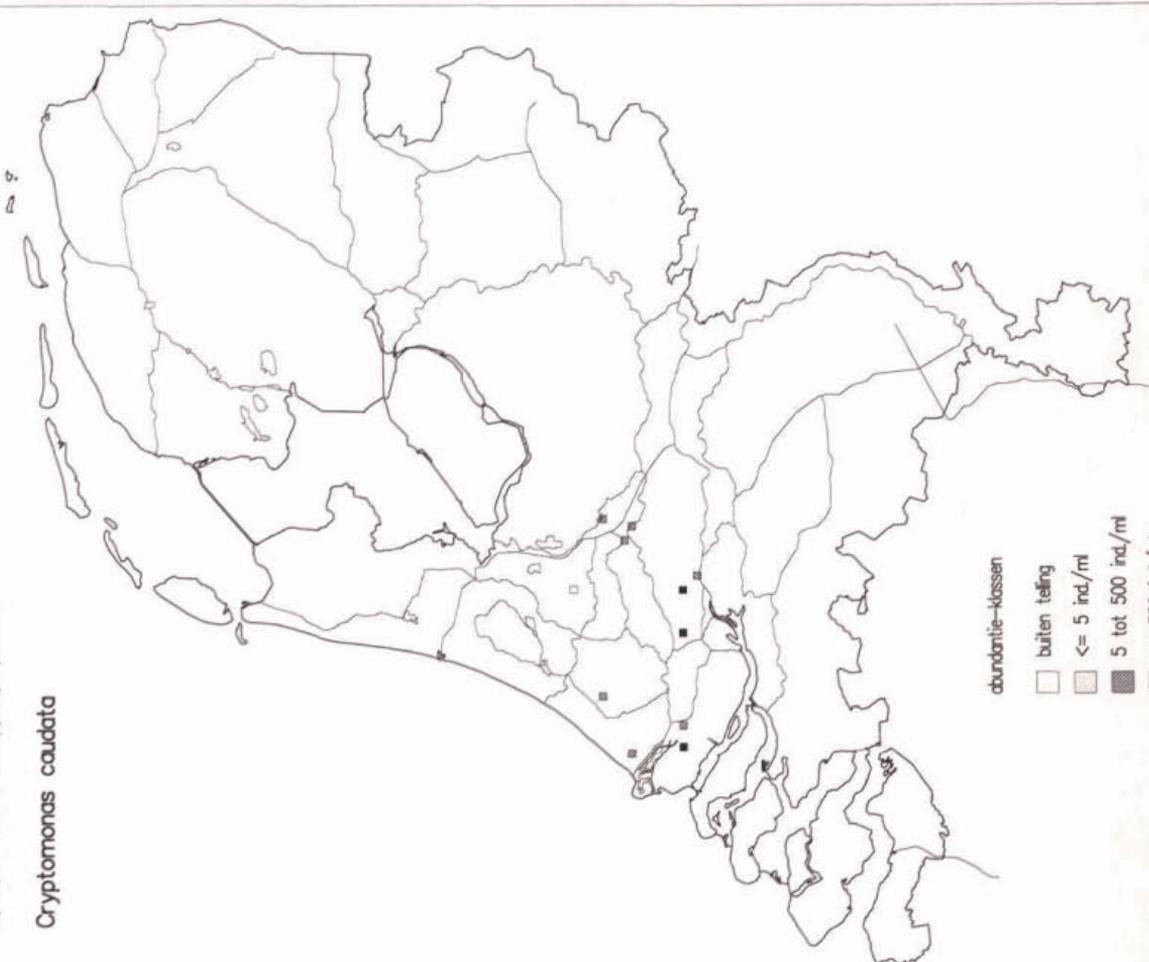
zand	klei
------	------

  
 watertypen: 

slot	meren	kanalen	zand-, grind- en kleigaten
------	-------	---------	----------------------------

Fytoplankton : Cryptophyceae

**Cryptomonas caudata**



abundantie-klassen  
 buiten telling  
 <= 5 ind./ml  
 5 tot 500 ind./ml  
 => 500 ind./ml

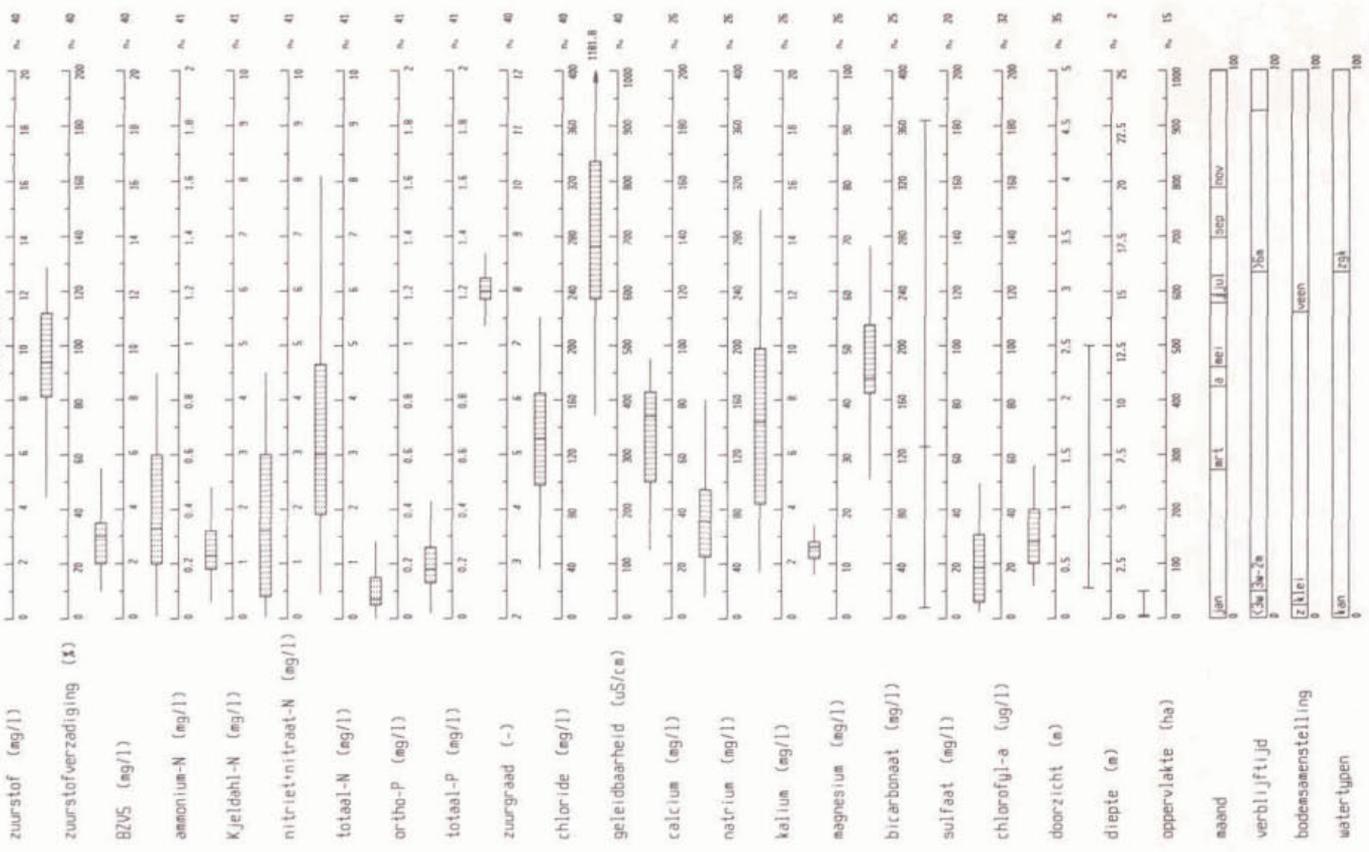
**stowa**

Eco-atlas van waterorganismen

vangstien : 41  
 locaties : 11  
 hokken : 11

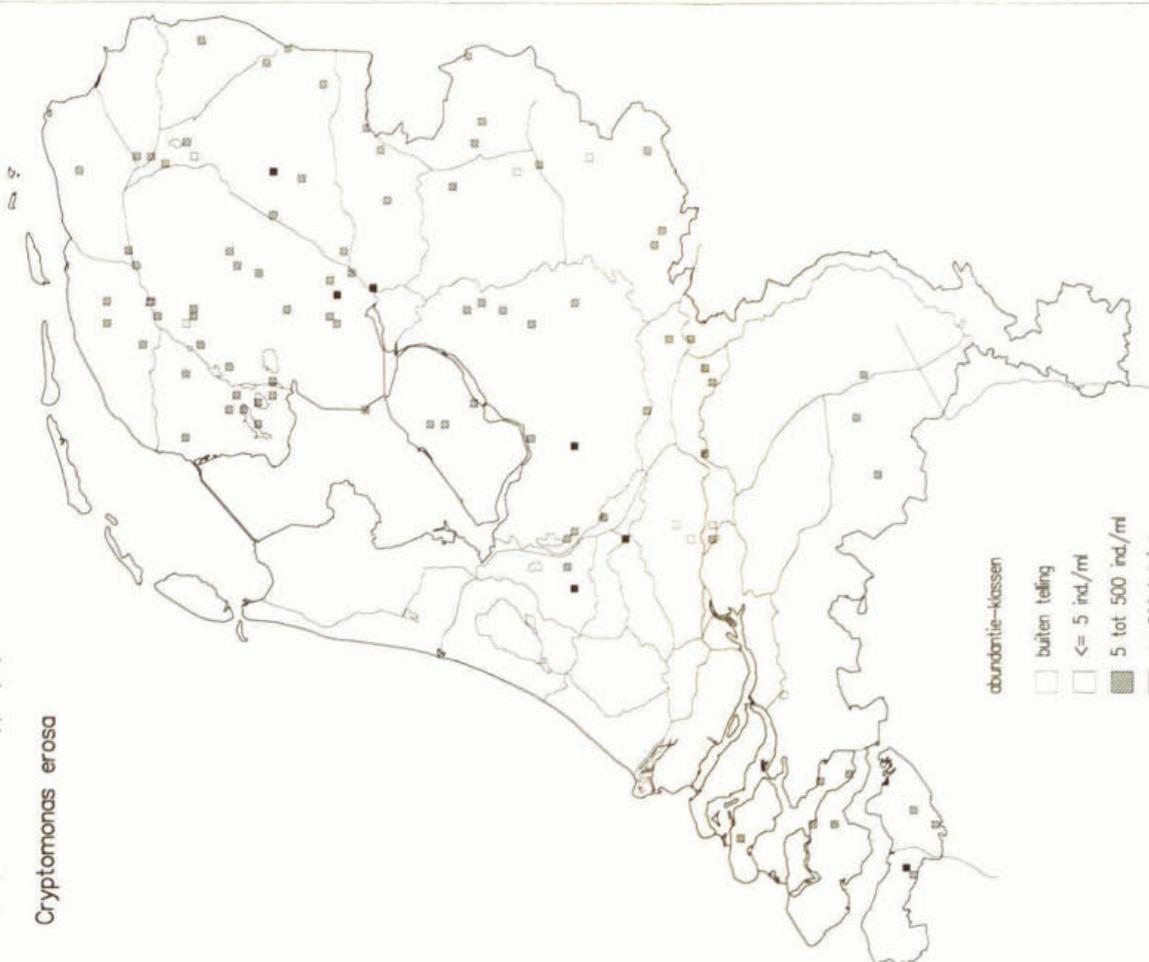
watertypen  
 skoten  
 meren  
 stromende wateren  
 karaden  
 zand-, grind- en  
 kolkgronden

**Cryptomonas caudata**



Fytoplankton : Cryptophyceae

*Cryptomonas erosa*



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 □ 5 tot 500 ind./ml  
 ■ ≥ 500 ind./ml

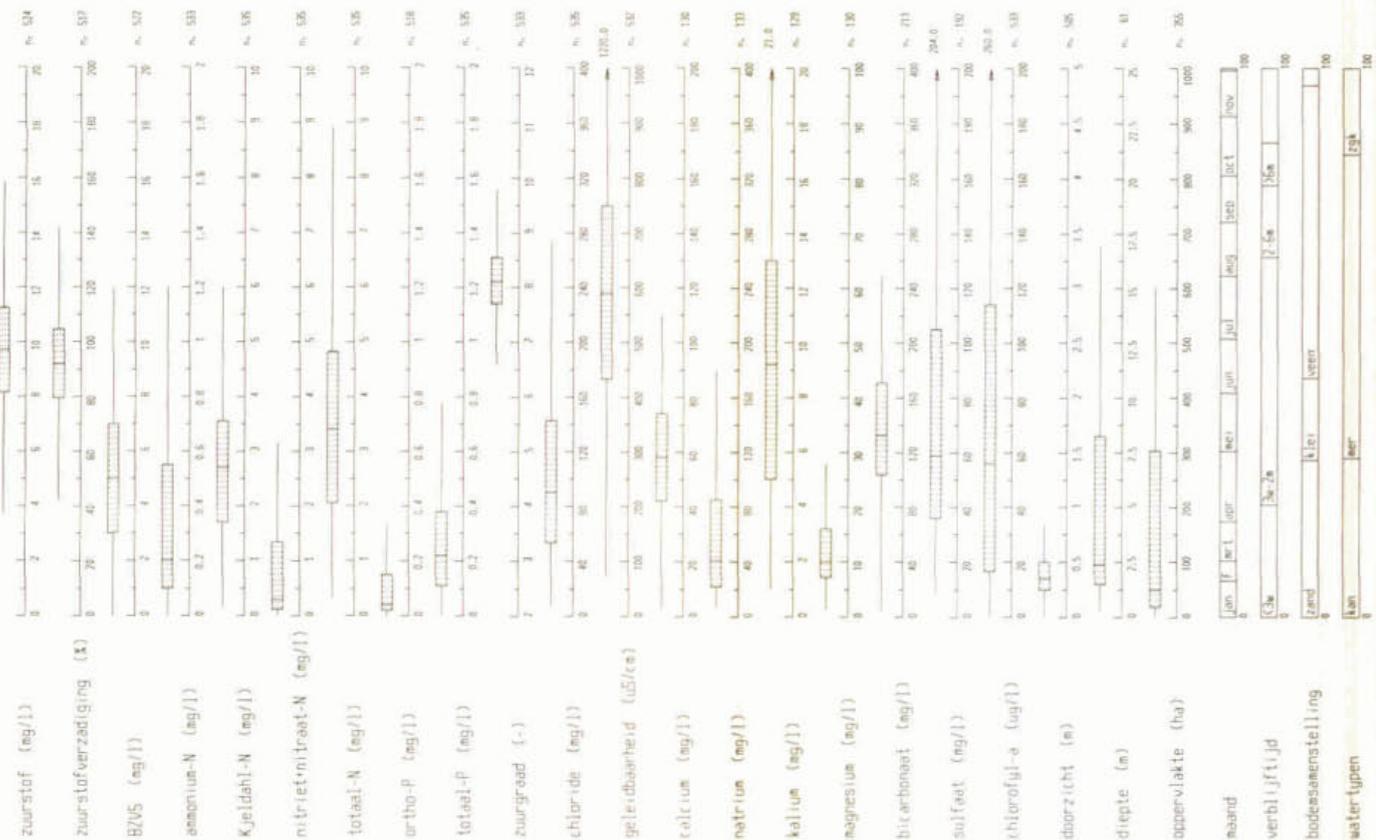
**stowa**  
 Eco-atlas van waterorganismen

*Cryptomonas erosa*

vangsten : 548  
 localities : 105  
 hokken : 100

watertypen  
 skien  
 stromende wateren  
 meren  
 kanalen  
 zand-, gring- en kleigaten

*Cryptomonas erosa*

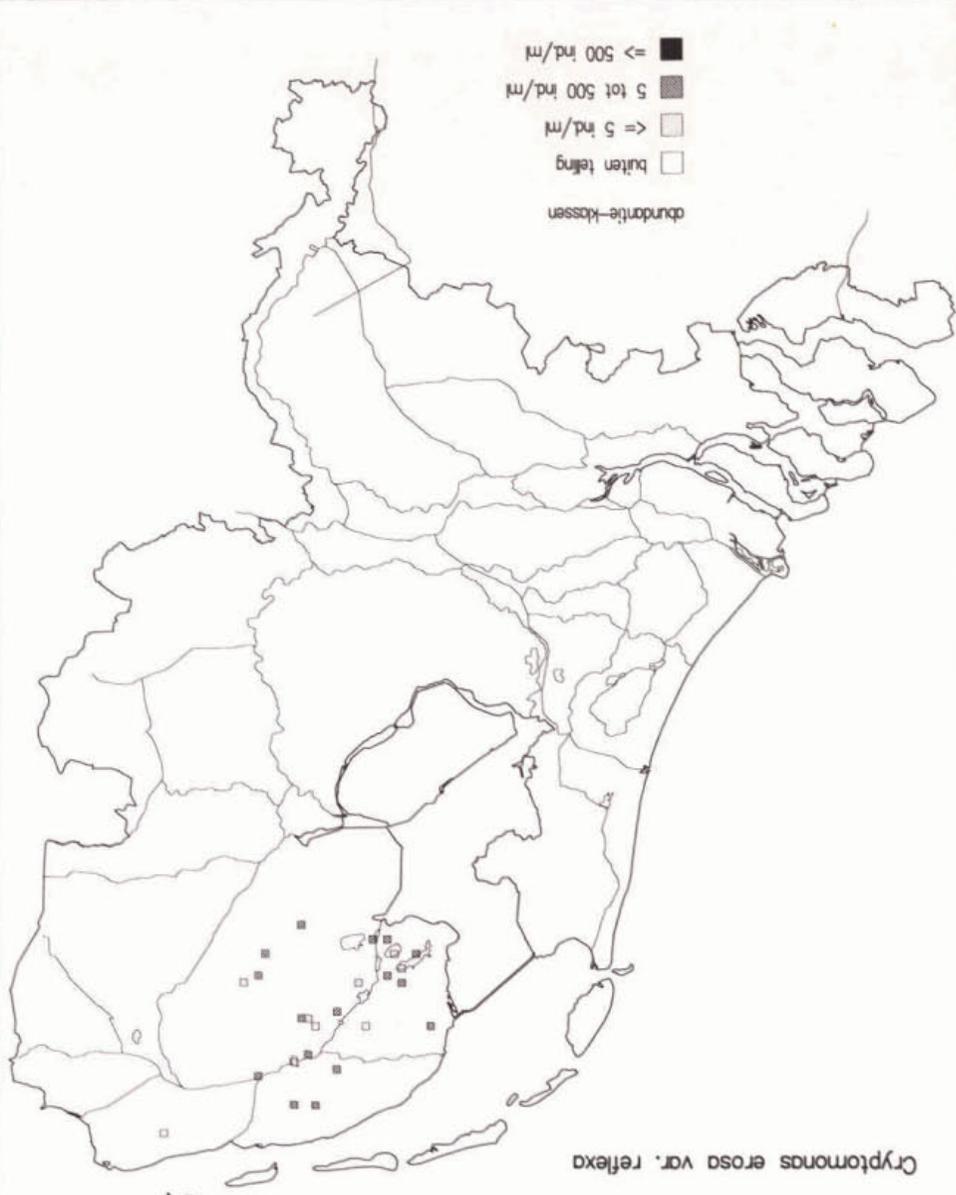


**stowa**

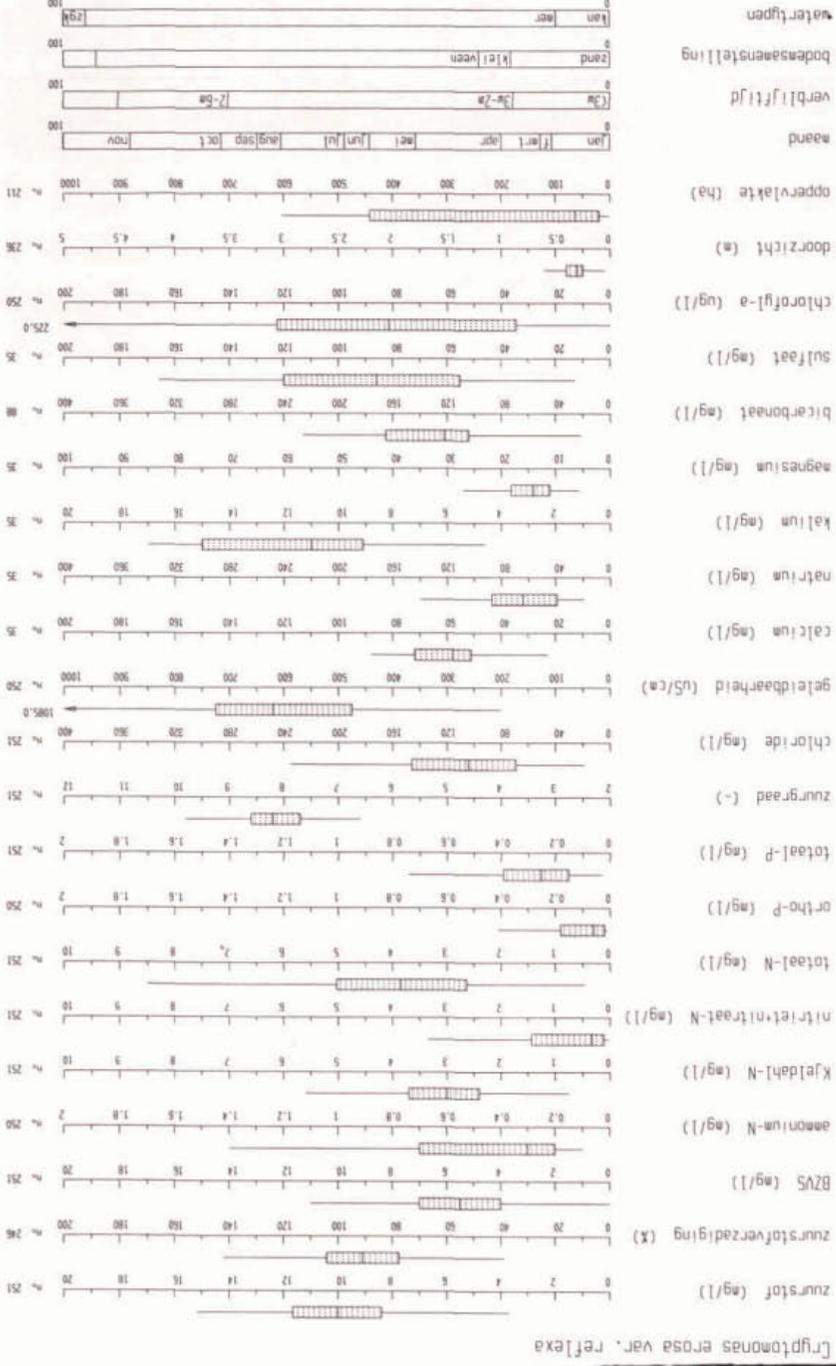
Eco-atlas van waterorganismen

Fytoplankton : Cryptophyceae

*Cryptomonas erosa* var. *reflexa*

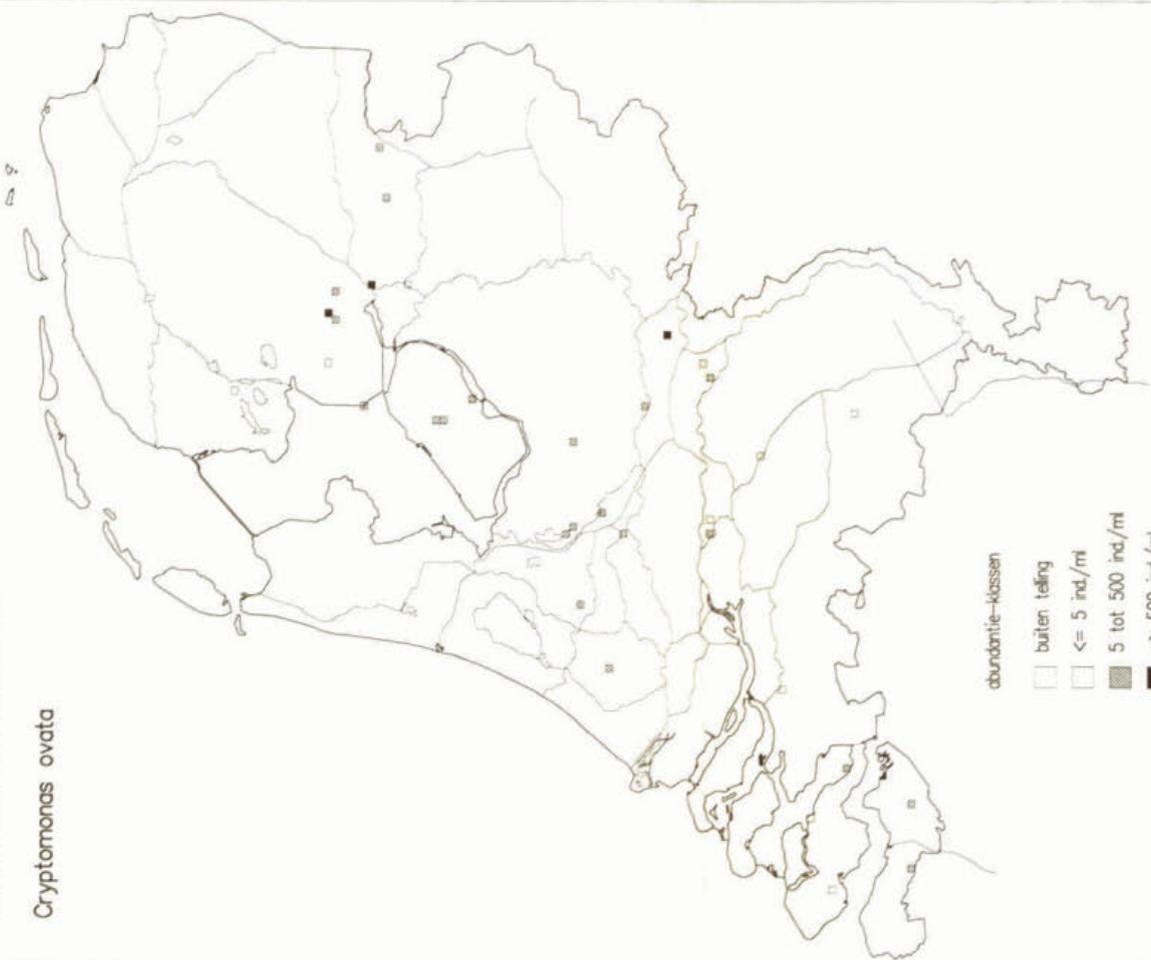


*Cryptomonas erosa* var. *reflexa*



Fytoplankton : Cryptophyceae

Cryptomonas ovata



abundantie-klassen  
 □ buiten telling  
 □ ≤ 5 ind./ml  
 ■ 5 tot 500 ind./ml  
 ■ => 500 ind./ml

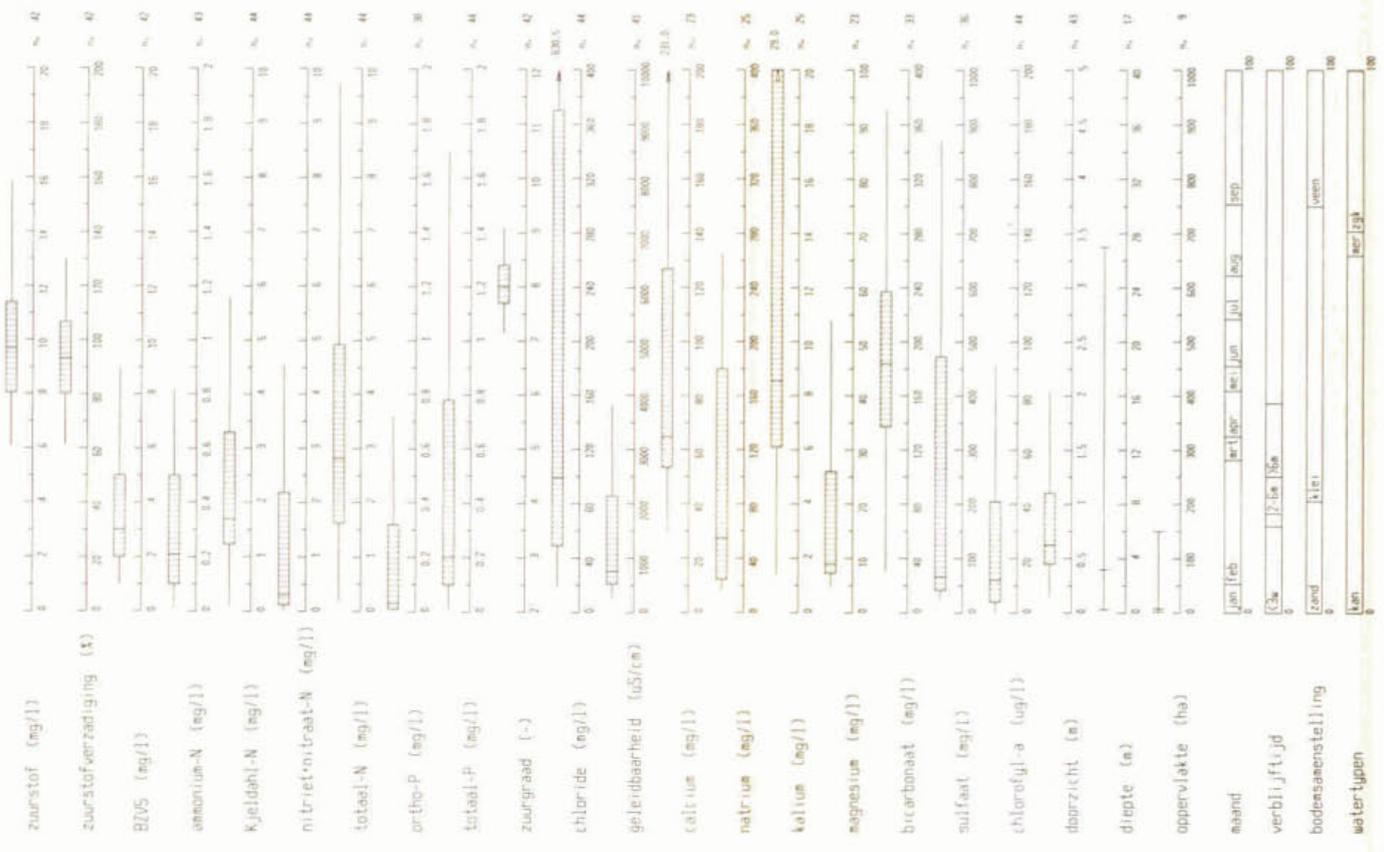
**stowa**  
 Eco-atlas van waterorganismen

Cryptomonas ovata  
 vangsten : 44  
 locaties : 35  
 hokken : 35

waterlichamen  
 □ sloten  
 □ stromende wateren  
 □ landen

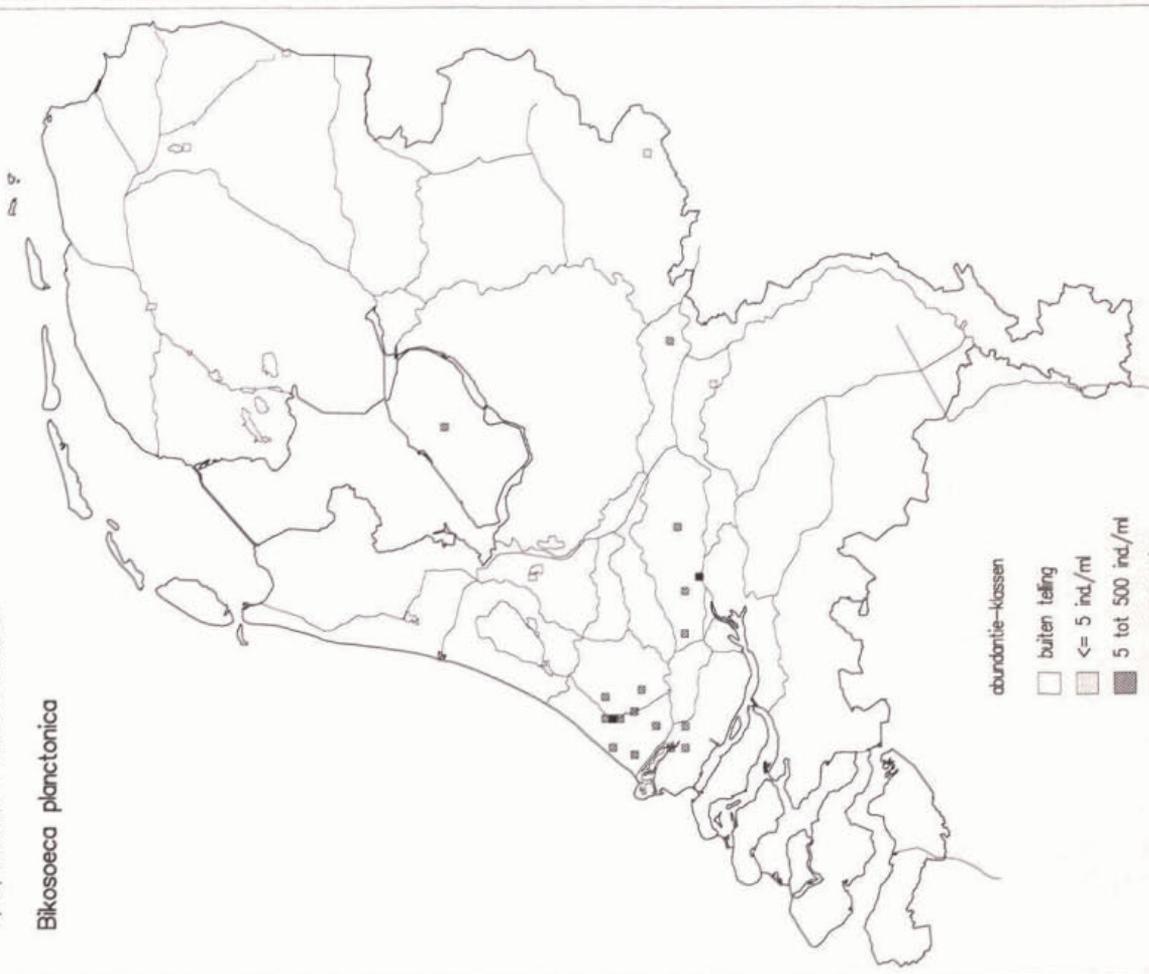
meren  
 □ zand-, grind- en kleigaten

Cryptomonas ovata



Fytoplankton : Bikosoecaceae

Bikosoeca planctonica



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- => 500 ind./ml

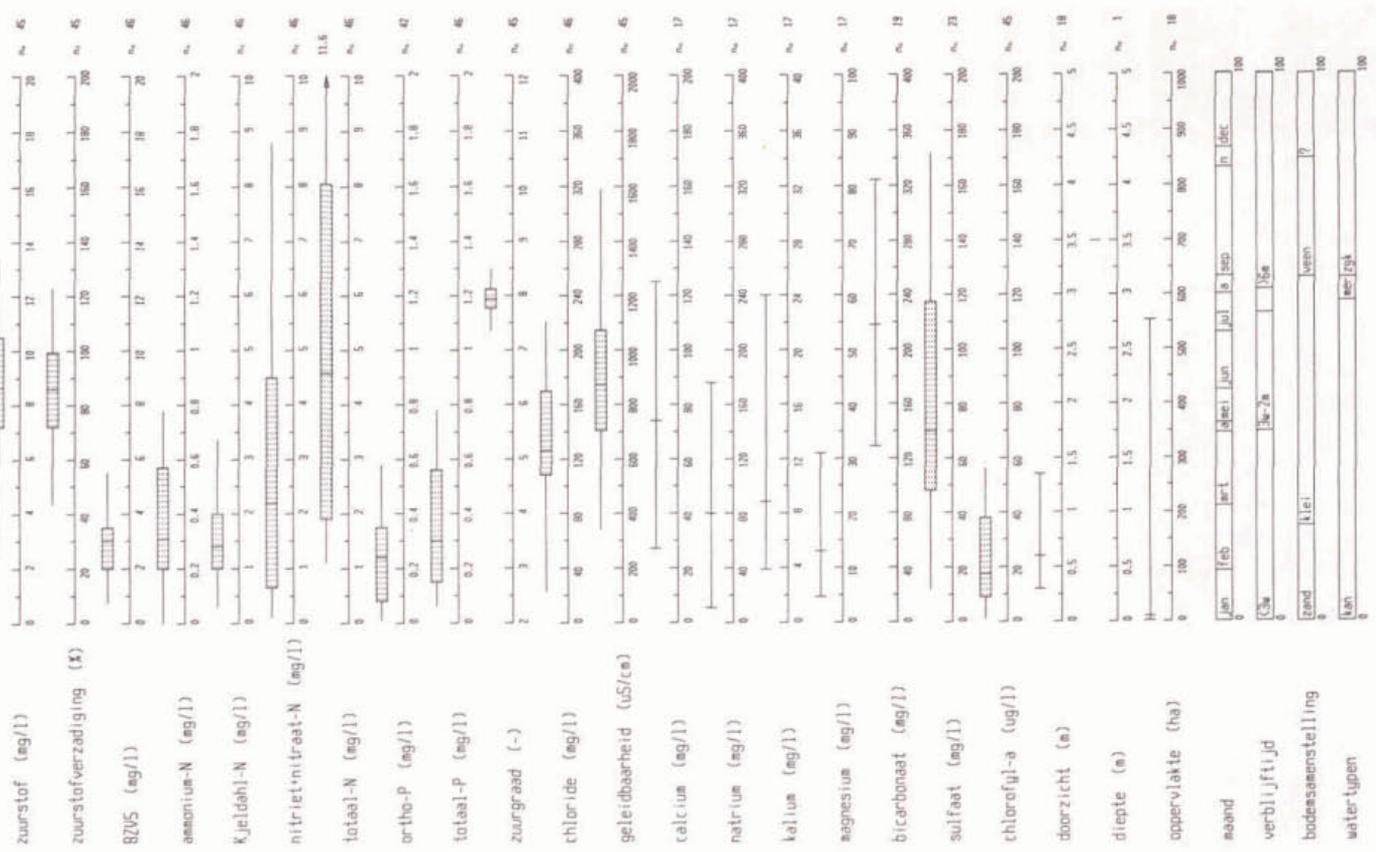
**stowa**  
Eco-atlas van waterorganismen

Bikosoeca planctonica

vangsten : 46  
locaties : 23  
hokken : 23

water typen  
 sloten  
 stromende wateren  
 zand-, grind- en kleigaten  
 mieren  
 kanalen

Bikosoeca planctonica



Fytoplankton : Bikosococaceae

*Calycomonas pascheri*



abundantie-klassen  
 [ ] buiten telling  
 [ ] <= 5 ind./ml  
 [ ] 5 tot 500 ind./ml  
 [ ] => 500 ind./ml

*Calycomonas pascheri*

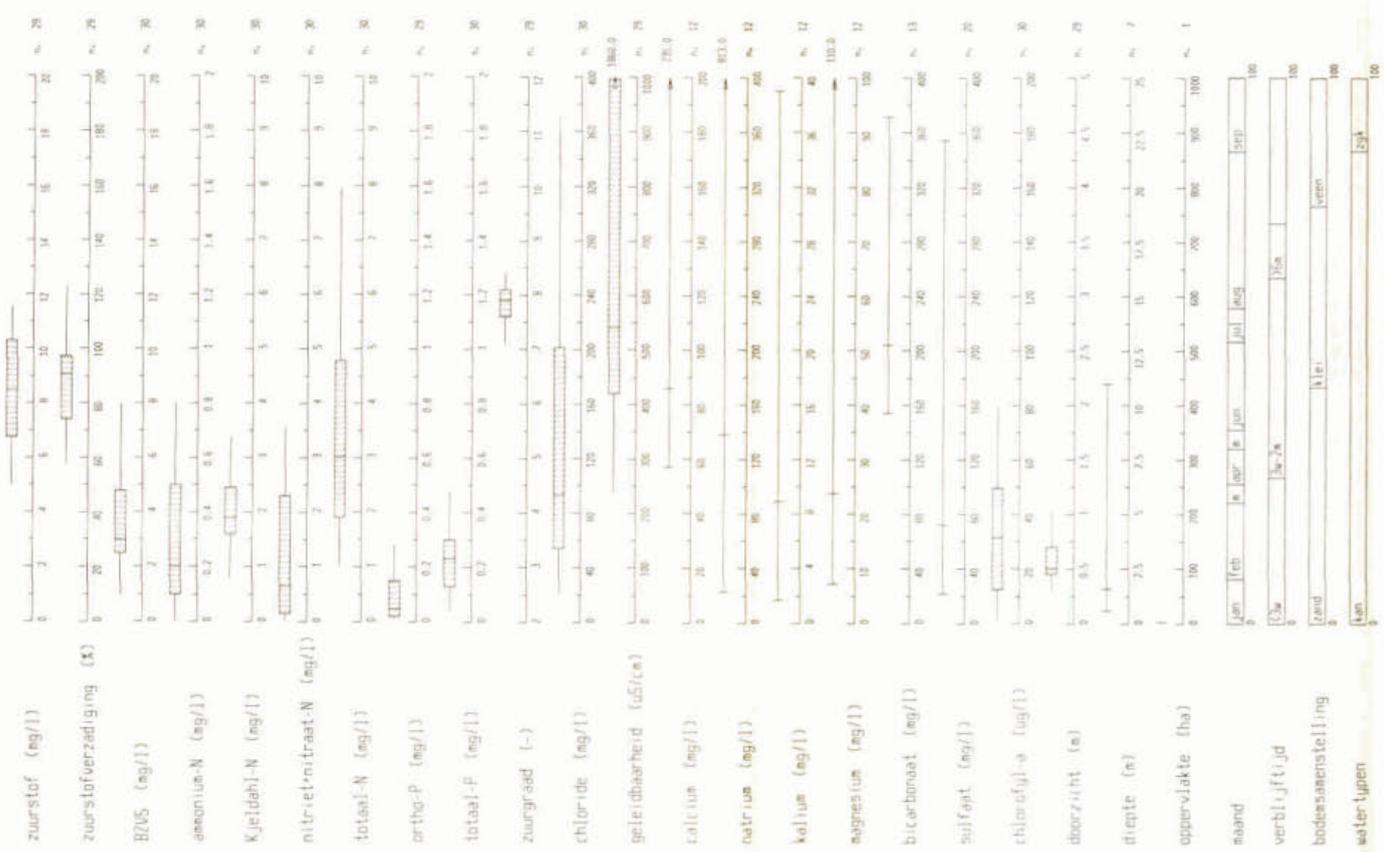
vangsten : 30  
 locaties : 22  
 hokken : 22

watertypen  
 [ ] meren  
 [ ] stromende wateren  
 [ ] strand-, grnd- en kleigaten



Eco-atlas van waterorganismen

*Calycomonas pascheri*



Fytoplankton : Sireptomyceetes

*Leptothrix echinata*



abundantie-klassen

- buiten telling
- <= 5 ind./ml
- 5 tot 500 ind./ml
- >= 500 ind./ml

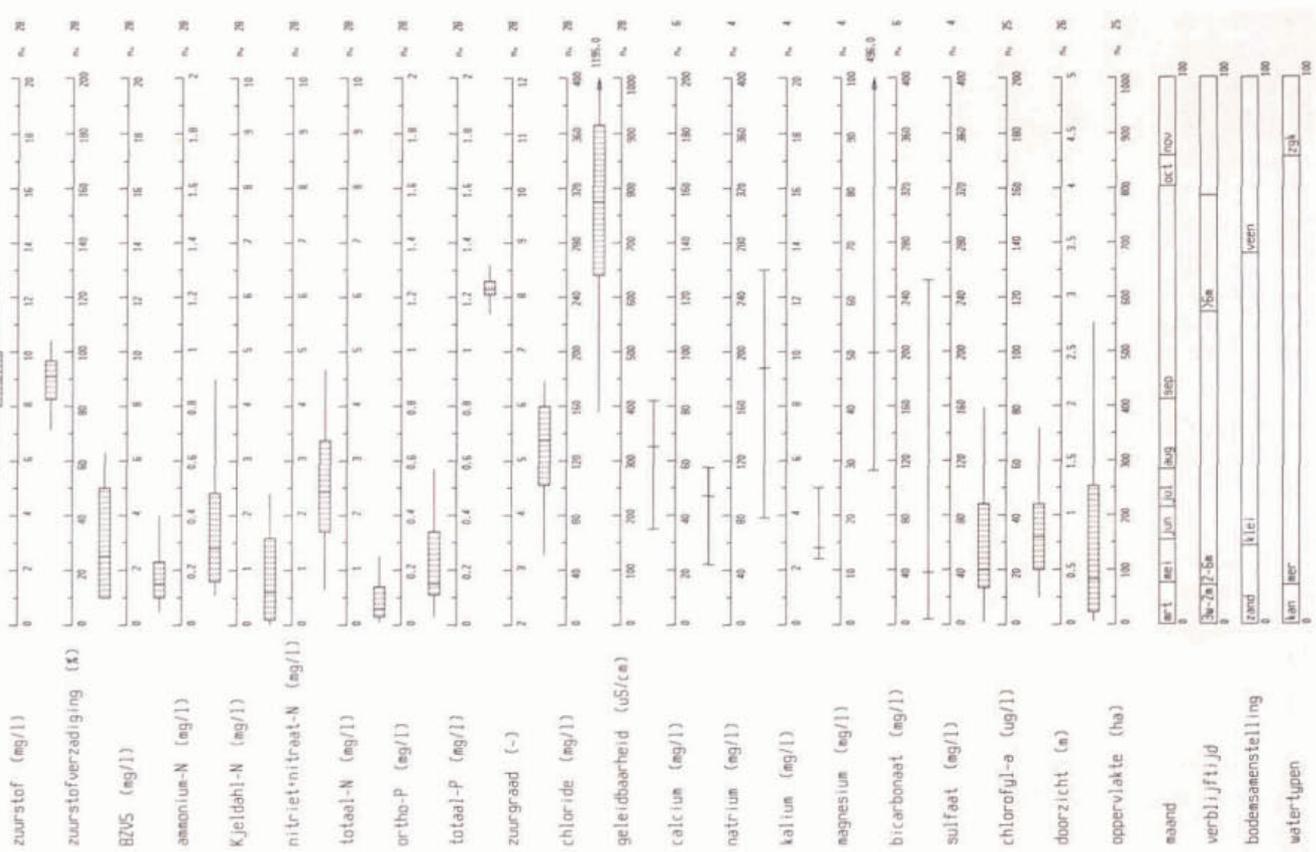
**stowa**

Eco-atlas van waterorganismen

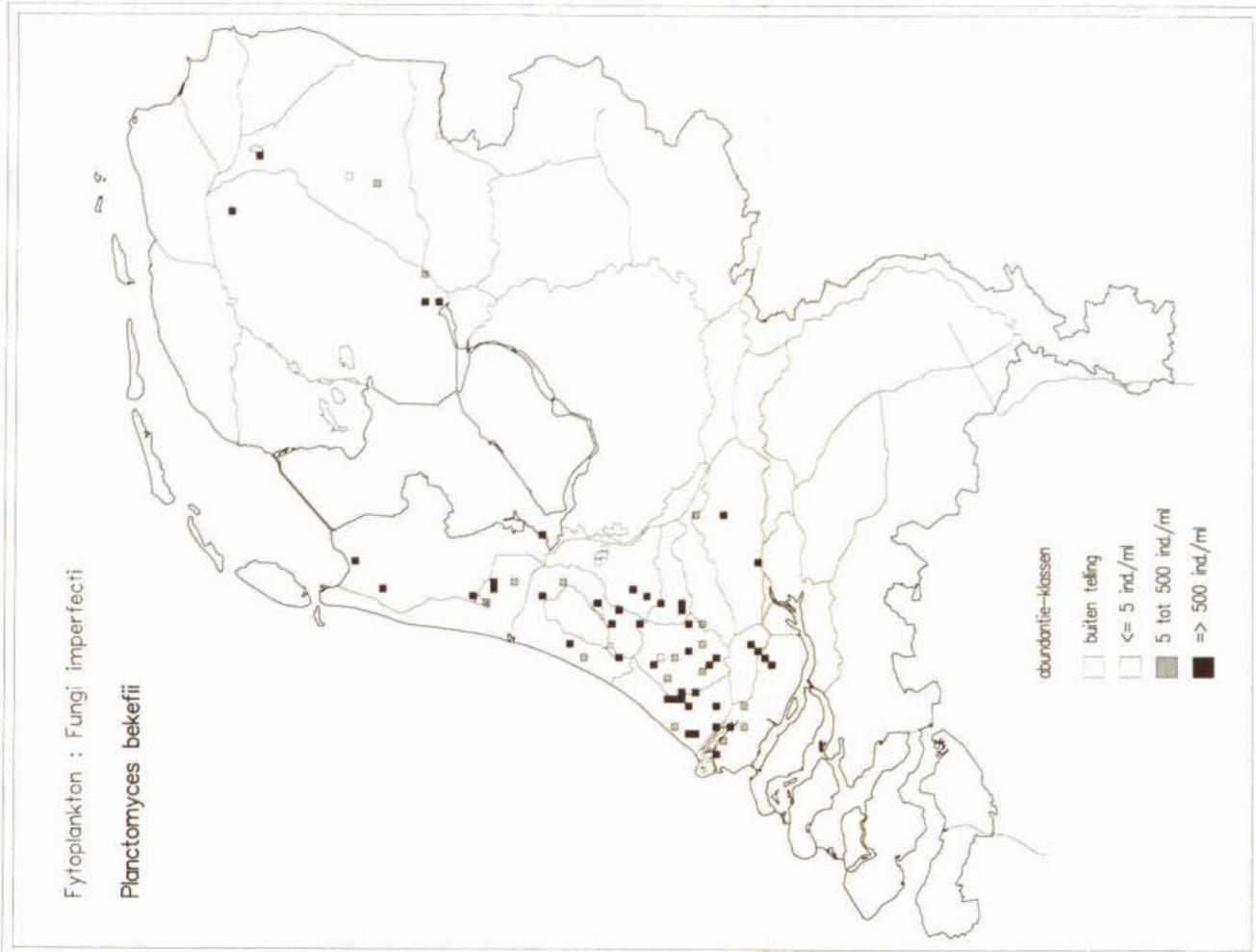
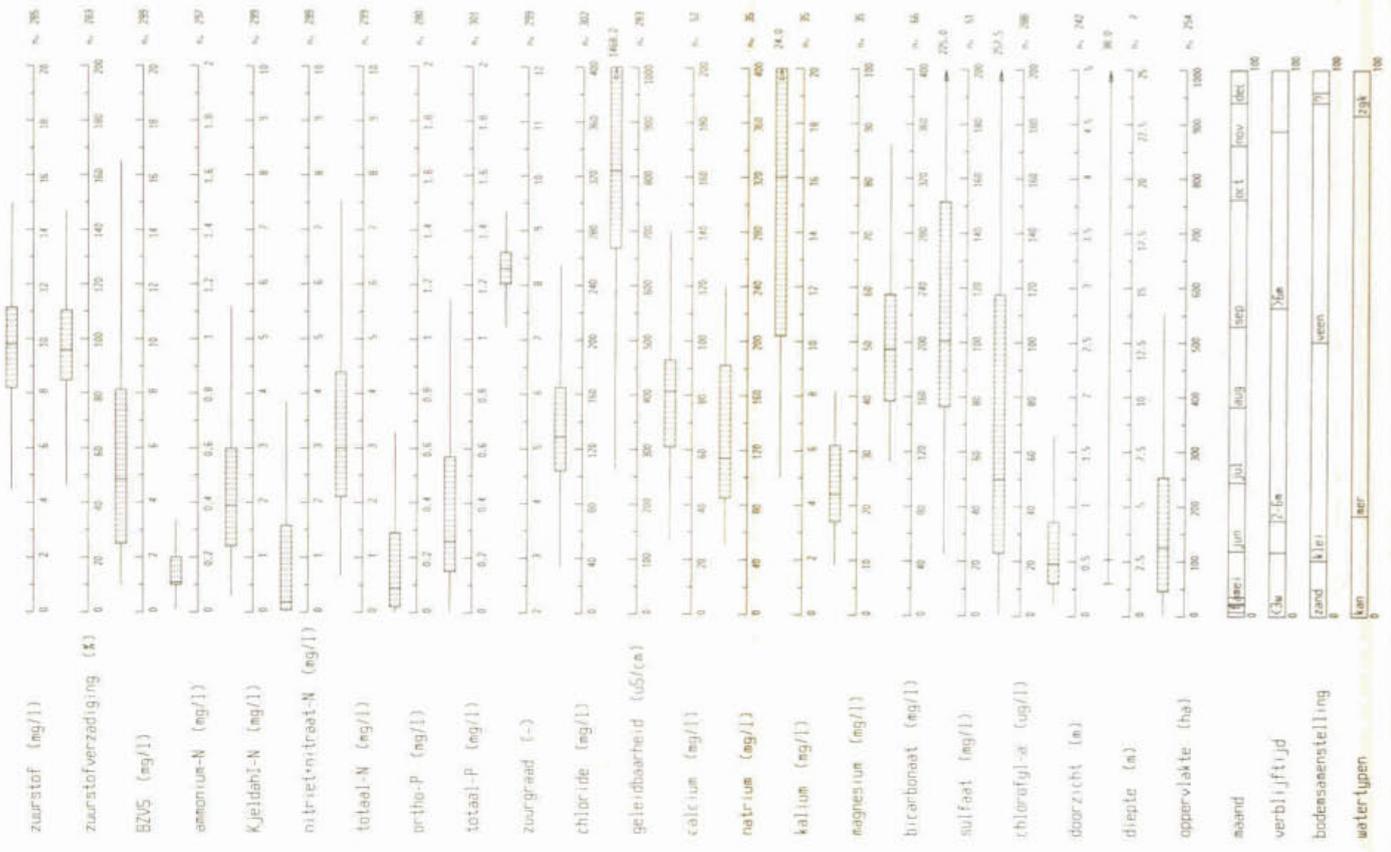
*Leptothrix echinata*

- vangsten : 28  meren
- locaties : 16  stromende wateren  zand-, grind- en hokken : 15  kanalen  kleigaten

Leptothrix echinata



Planctomyces bekefi



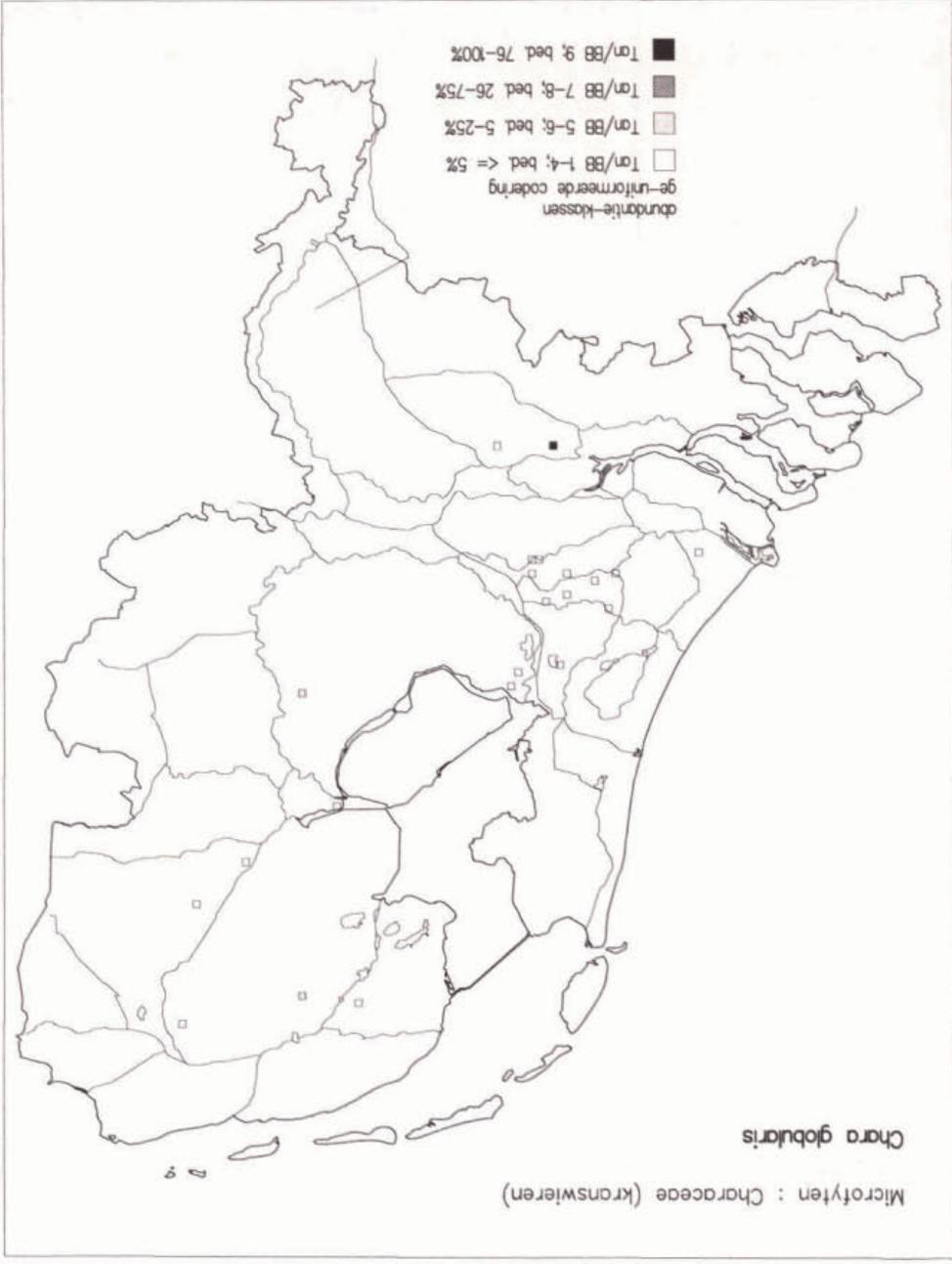
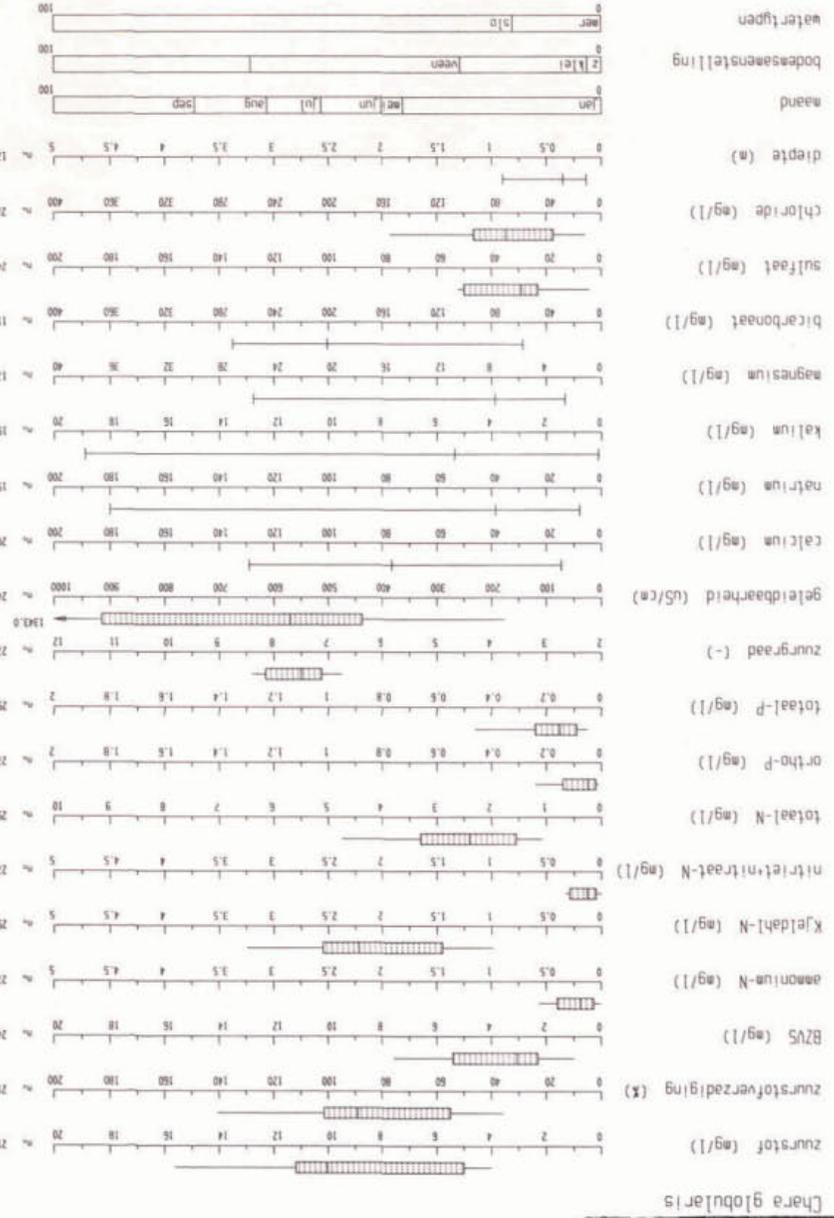
Planctomyces bekefi

vangsten : 315  
 locaties : 71  
 hokken : 67

watertypen  
 sloten  
 stromende wateren  
 kanalen

N<sup>o</sup> meren  
 zand-, grind- en kleigaten

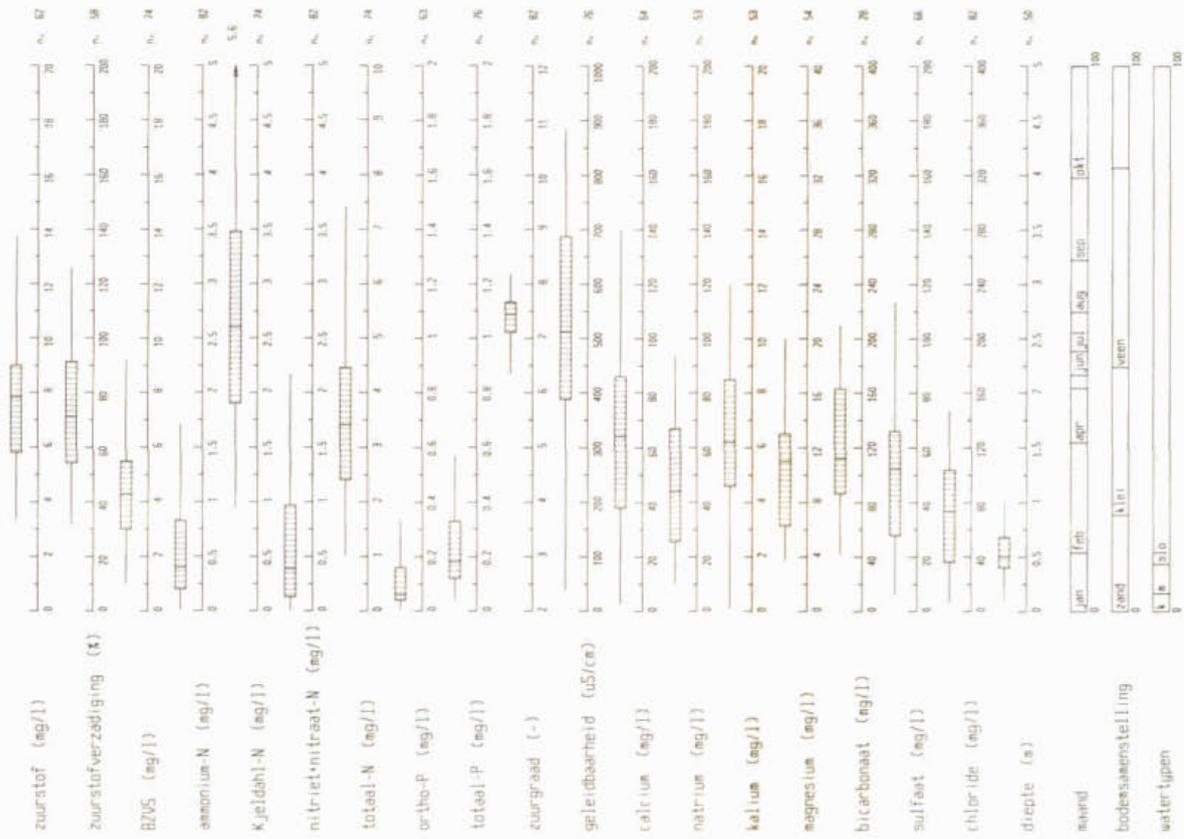




Chara globularis

STOWA  
Eco-atlas van waterorganismen

Riccia fuitans



maand	jan	feb	mar	apr	mei	jun	jul	aug	sep	okt	
bodensamenstelling	zand										
waterlupen	ke										



Microfyten : Characeae (kranswieren)

Riccia fuitans

abundantie-klassen  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. <= 5%  
□ Ton/BB 5-6; bed. 5-25%  
■ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

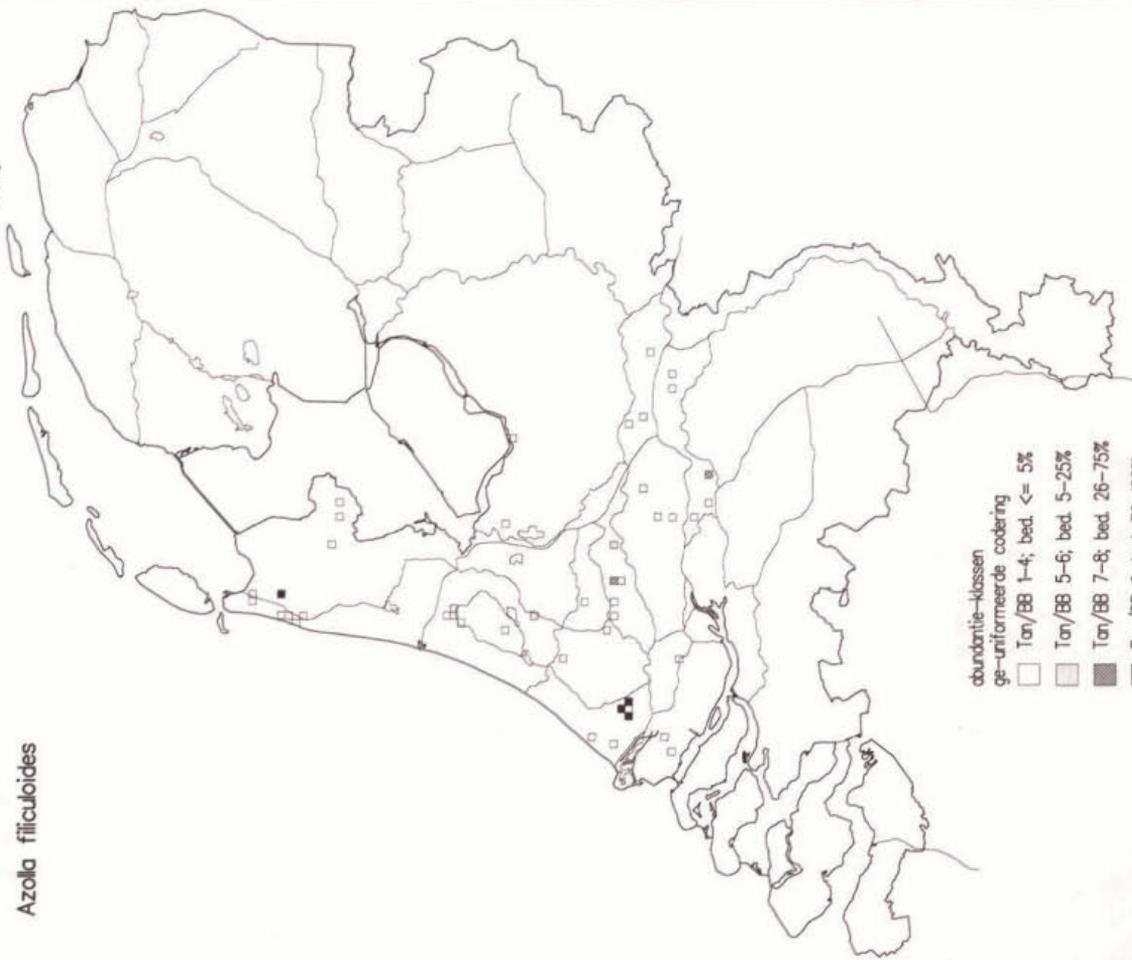
Riccia fuitans

vangsten : 86	watertypen	87	slotten	88	meren
localities : 73	□	stromende wateren	□	zand-, grind- en kleigaten	
hokken : 60	89	kanalen			

**stowa**  
Eco-atlas van waterorganismen

Macrophyten : Filicopsida (varens)

Azolla filiculoides



abundantie-klassen  
ge-uniformeerde codering  
 Ton/BB 1-4; bed. <= 5%  
 Ton/BB 5-6; bed. 5-25%  
 Ton/BB 7-8; bed. 26-75%  
 Ton/BB 9; bed. 76-100%

**stowa**

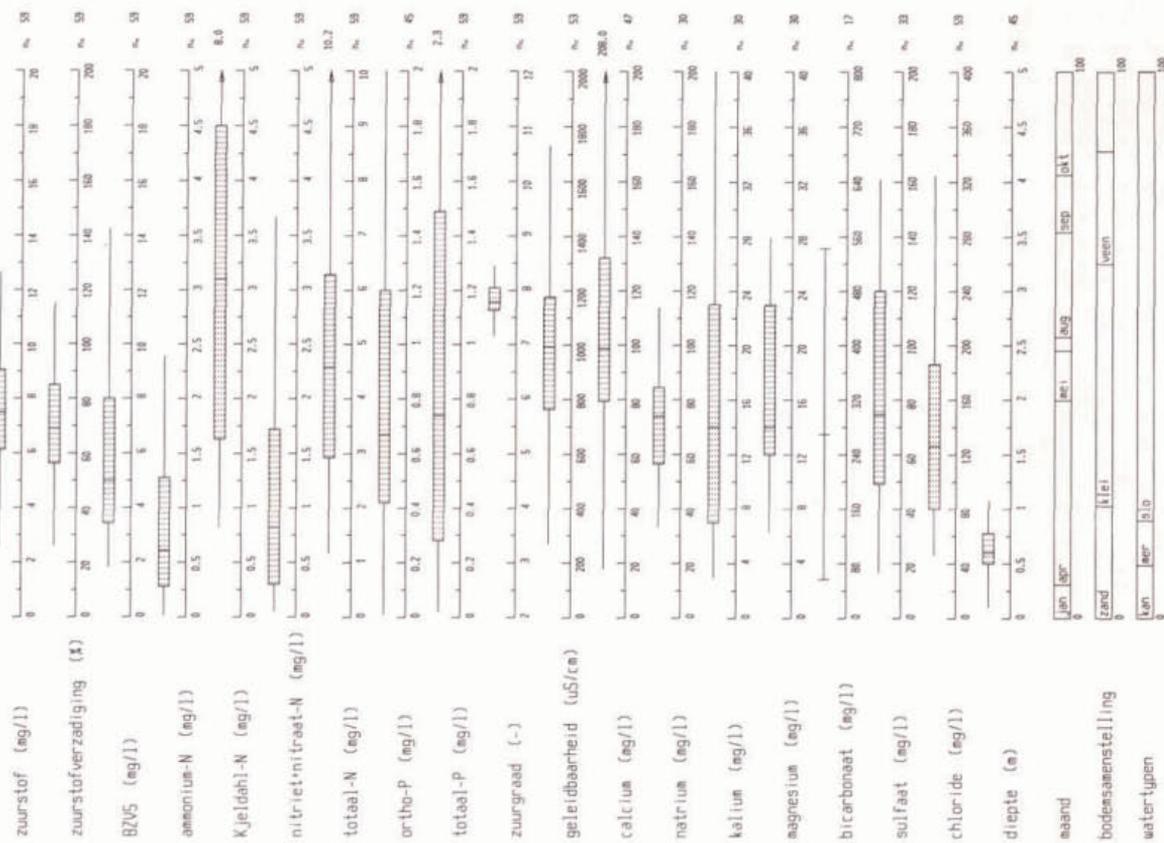
Eco-atlas van waterorganismen

Azolla filiculoides

vangsten : 62  
 locaties : 51  
 hakken : 46

watertypen  
 sloten  
 stromende wateren  
 kanalen

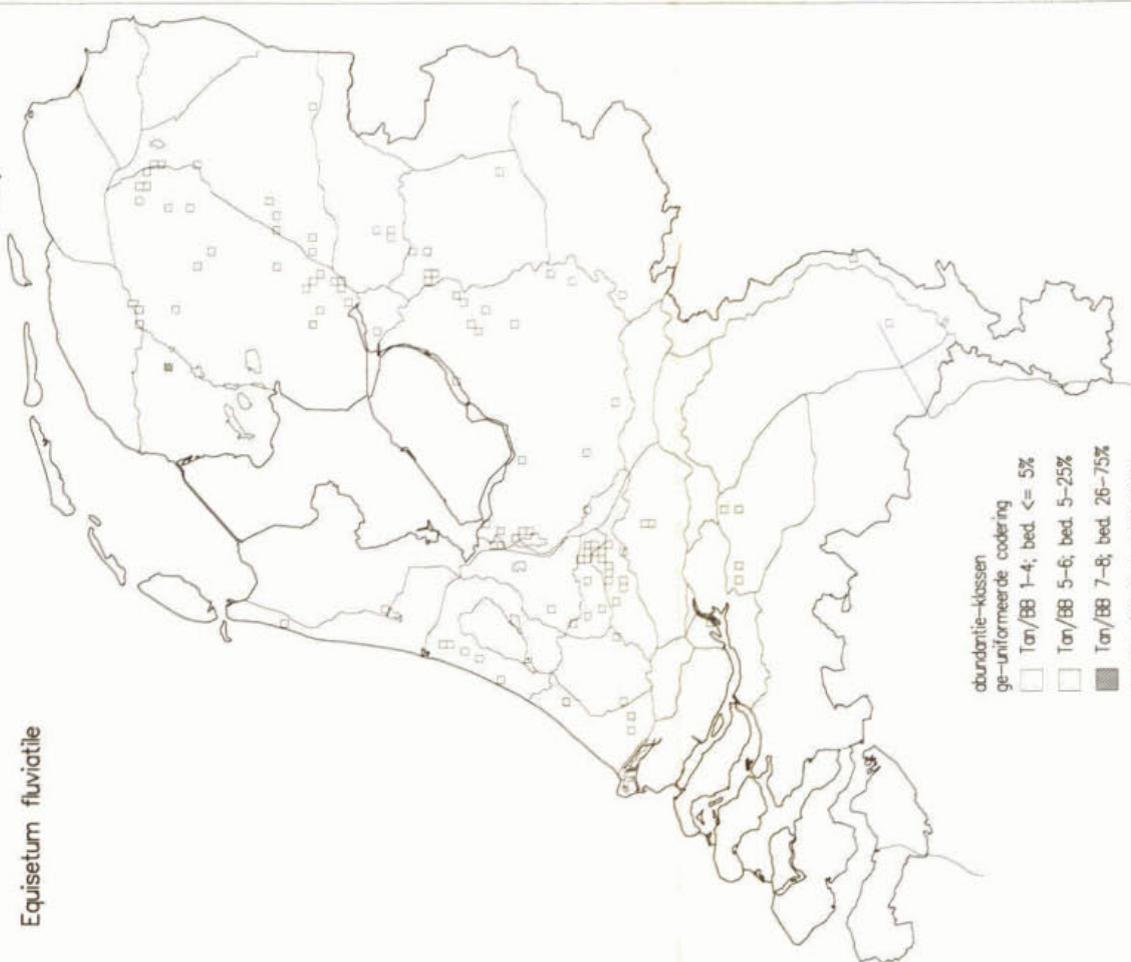
meren  
 zand-, grind- en kleigaten



maand  
 Jan Apr Aug Okt  
 bodemsamenstelling  
 zand klei veen  
 water-typen  
 Jan Apr Okt  
 0 100

Macrofyten : Sphenosida (paardestaarten)

Equisetum fluviatile



abundantie-klassen  
ge-uniformeerde codering

- Ton/BB 1-4; bed. <= 5%
- Ton/BB 5-6; bed. 5-25%
- Ton/BB 7-8; bed. 26-75%
- Ton/BB 9; bed. 76-100%

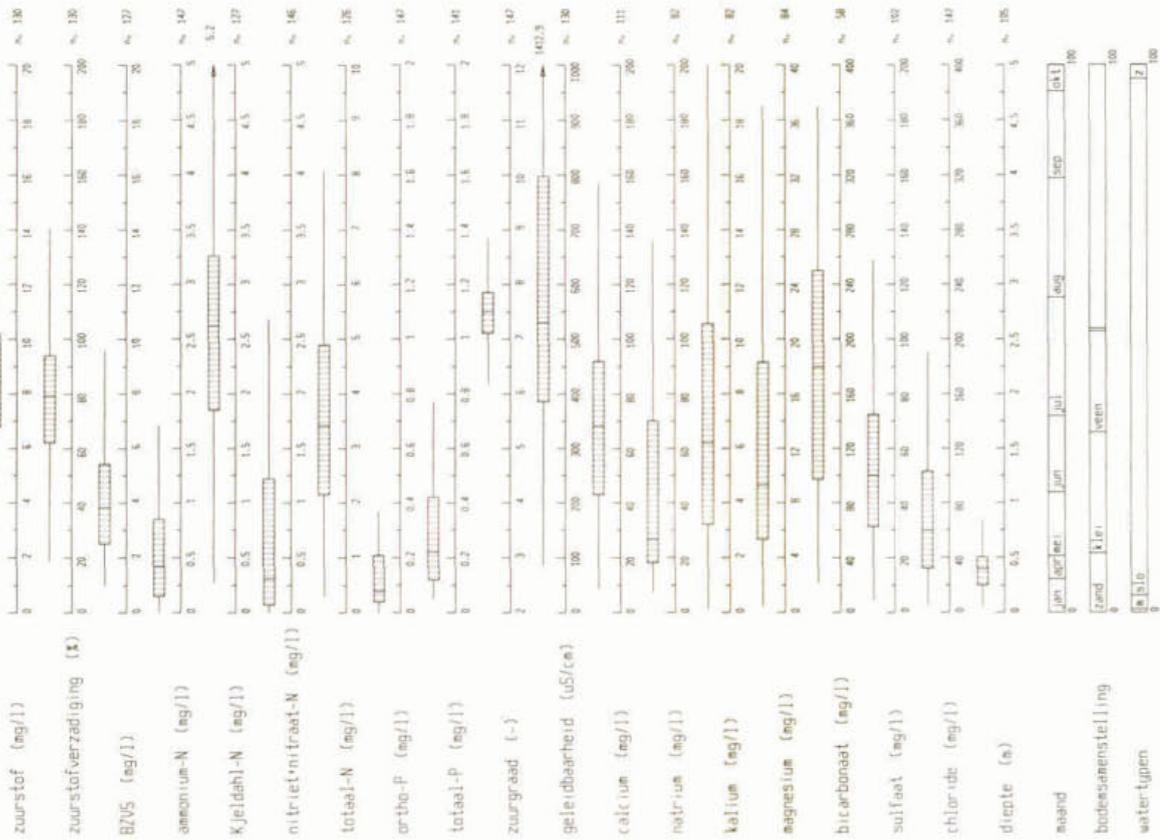
**Equisetum fluviatile**

vangsten : 153  
locaties : 124  
holken : 104

water-typen  sloten  meeren  
 stromende wateren  zand-, grind- en kleigaten  
 korden

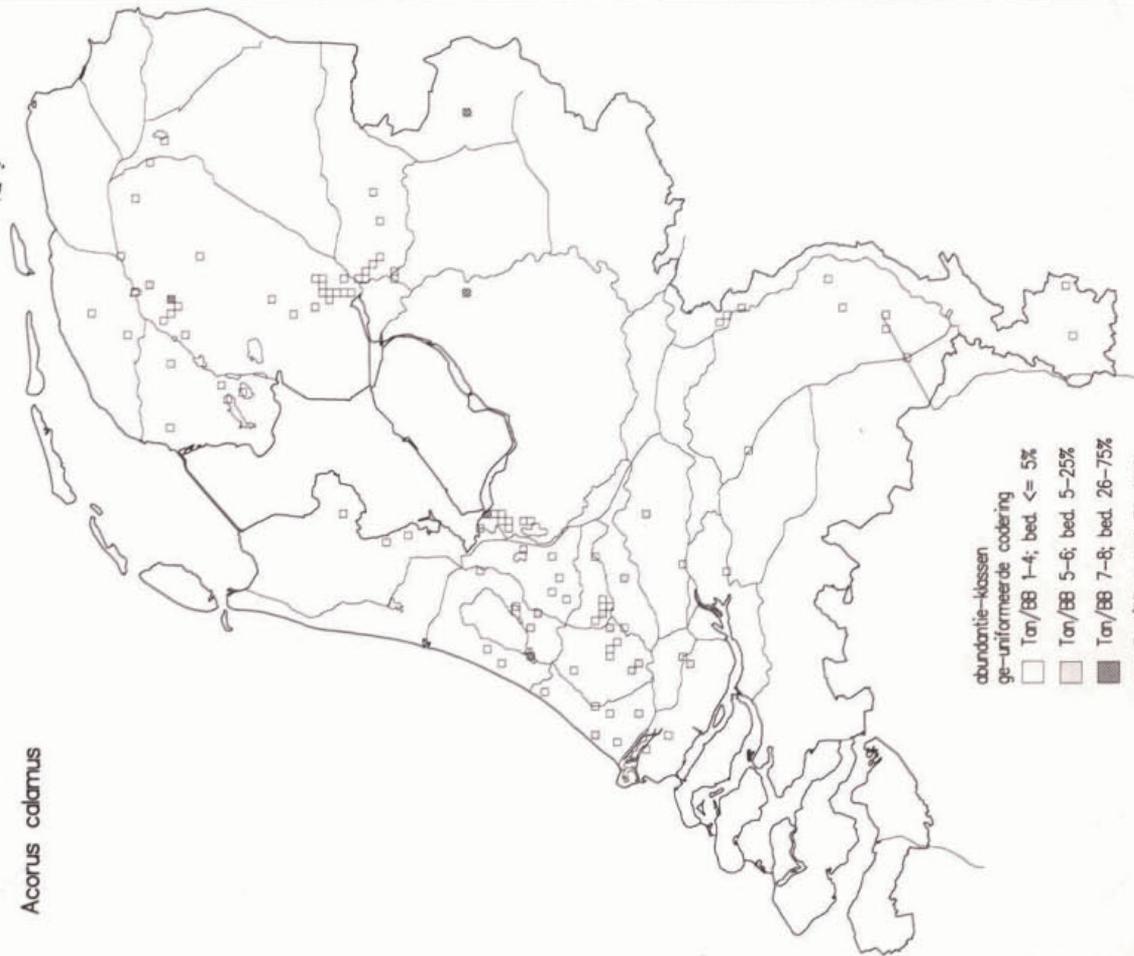
**stowa**  
Eco-atlas van waterorganismen

Equisetum fluviatile



Macrofyten : Spermatophyta (zaadplanten)

*Acorus calamus*



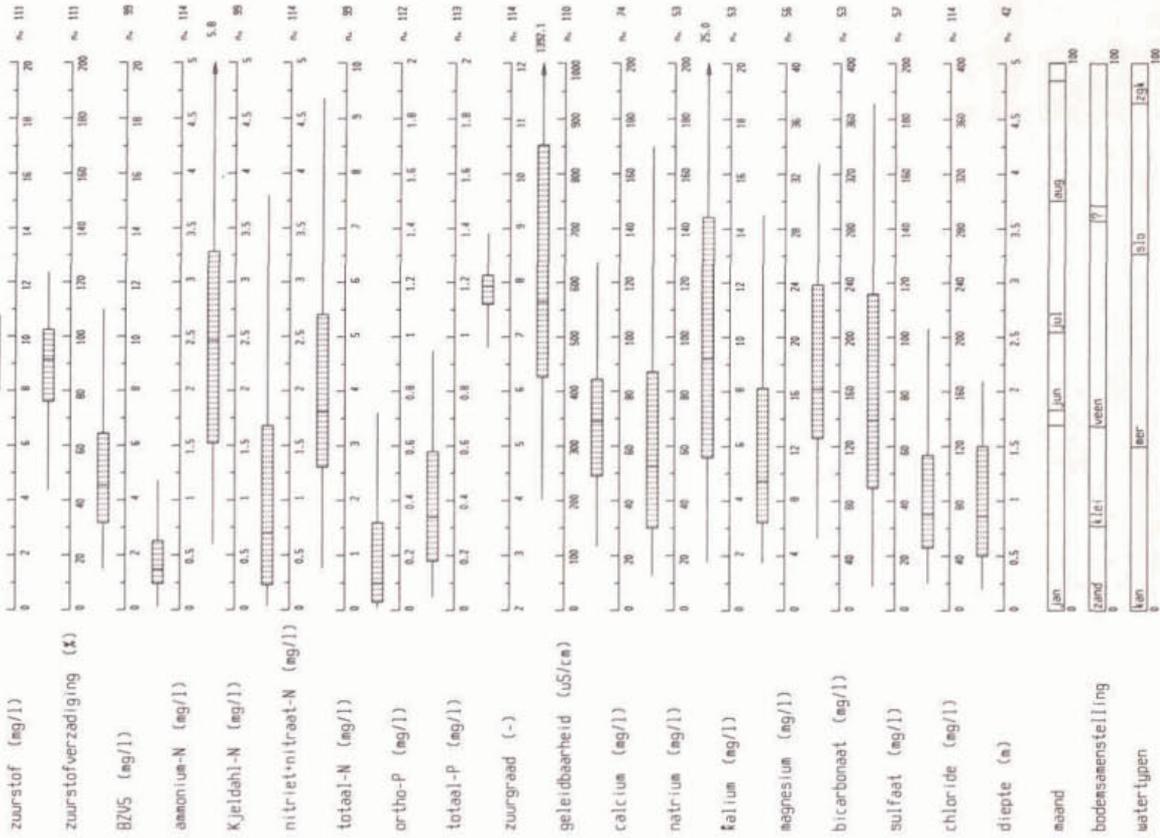
- abundantie-klassen  
ge-uniformeerde codering
- Ton/BB 1-4; bed. <= 5%
  - Ton/BB 5-6; bed. 5-25%
  - Ton/BB 7-8; bed. 26-75%
  - Ton/BB 9; bed. 76-100%

**stowa**

Eco-atlas van waterorganismen

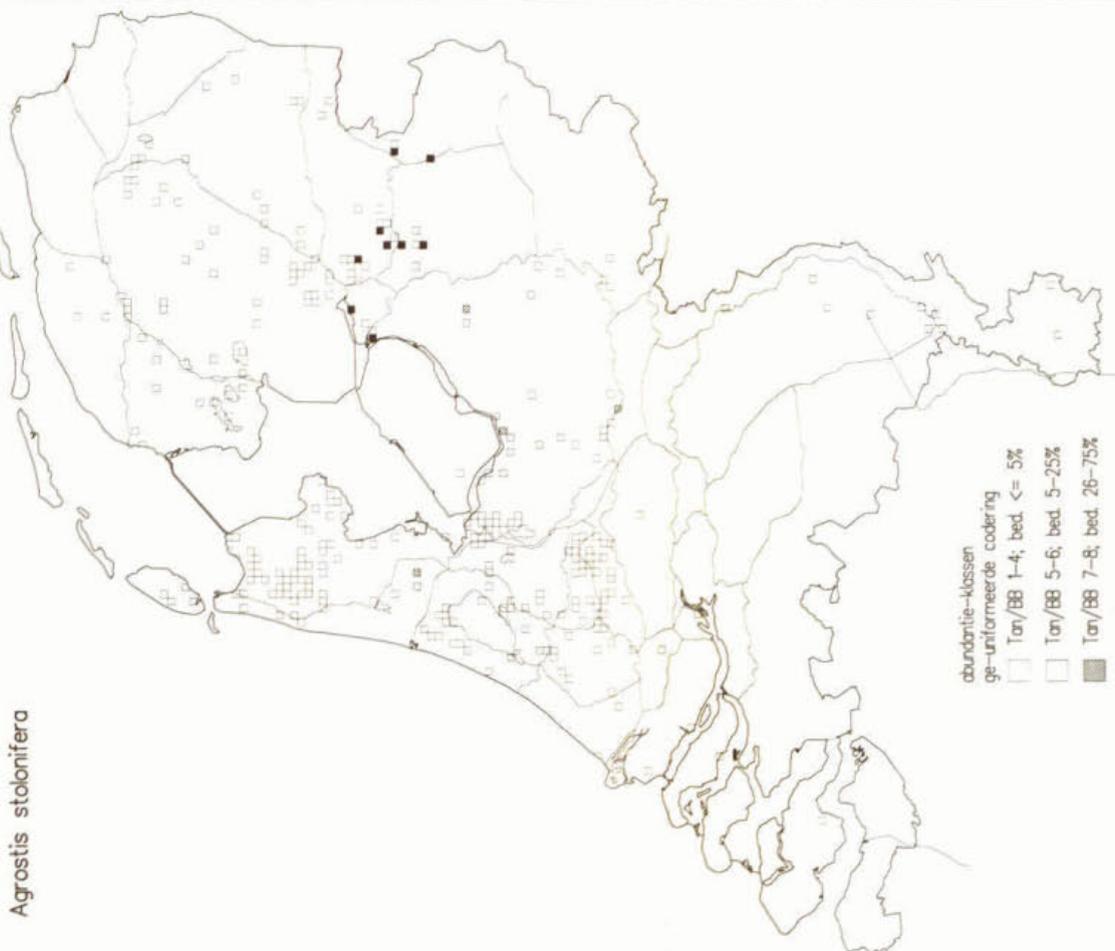
*Acorus calamus*

- vangsten : 127  
locaties : 118  
hakken : 106
- watertypen  sloien  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen



Macrofyten : Spermatophyta (zaadplanten)

Agrostis stolonifera



abundantie-klassen  
 ge-uniformeerde codering  
 1-4; bed. <= 5%  
 5-6; bed. 5-25%  
 7-8; bed. 26-75%  
 9; bed. 76-100%

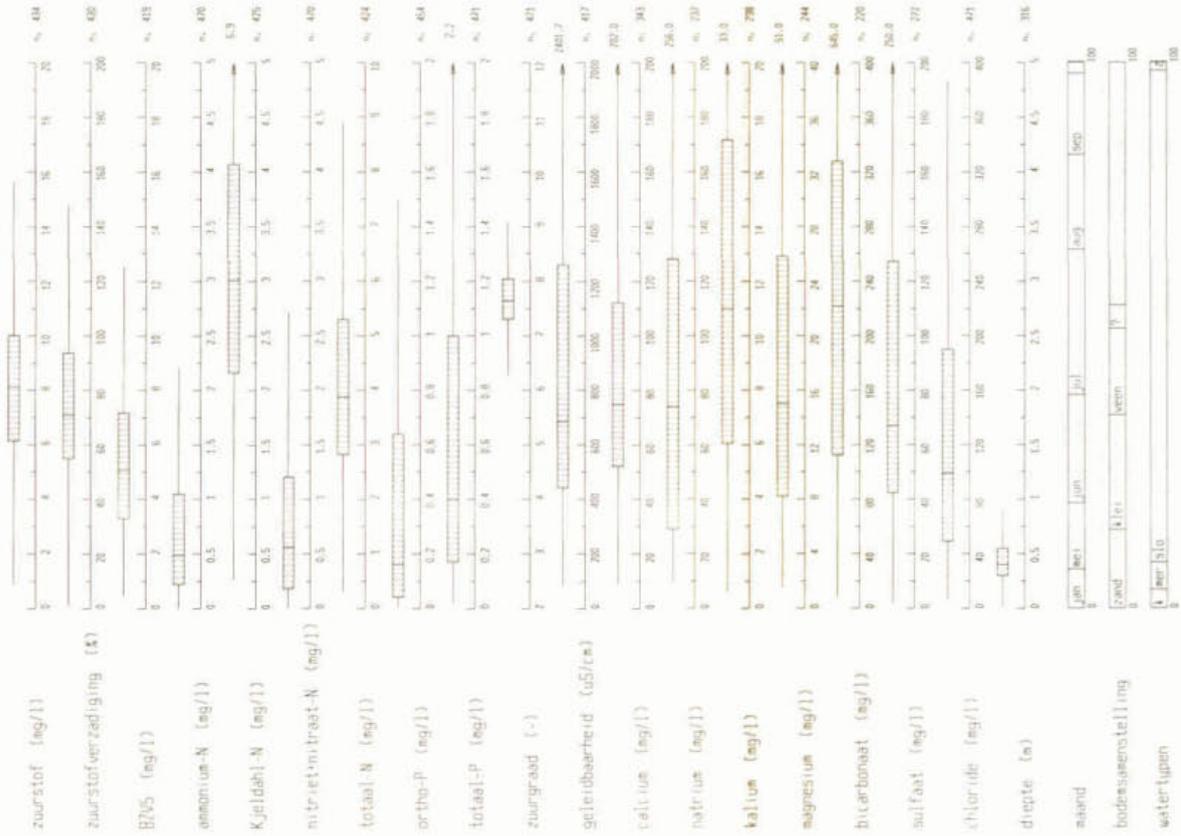
**stowa**

Eco-atlas van waterorganismen

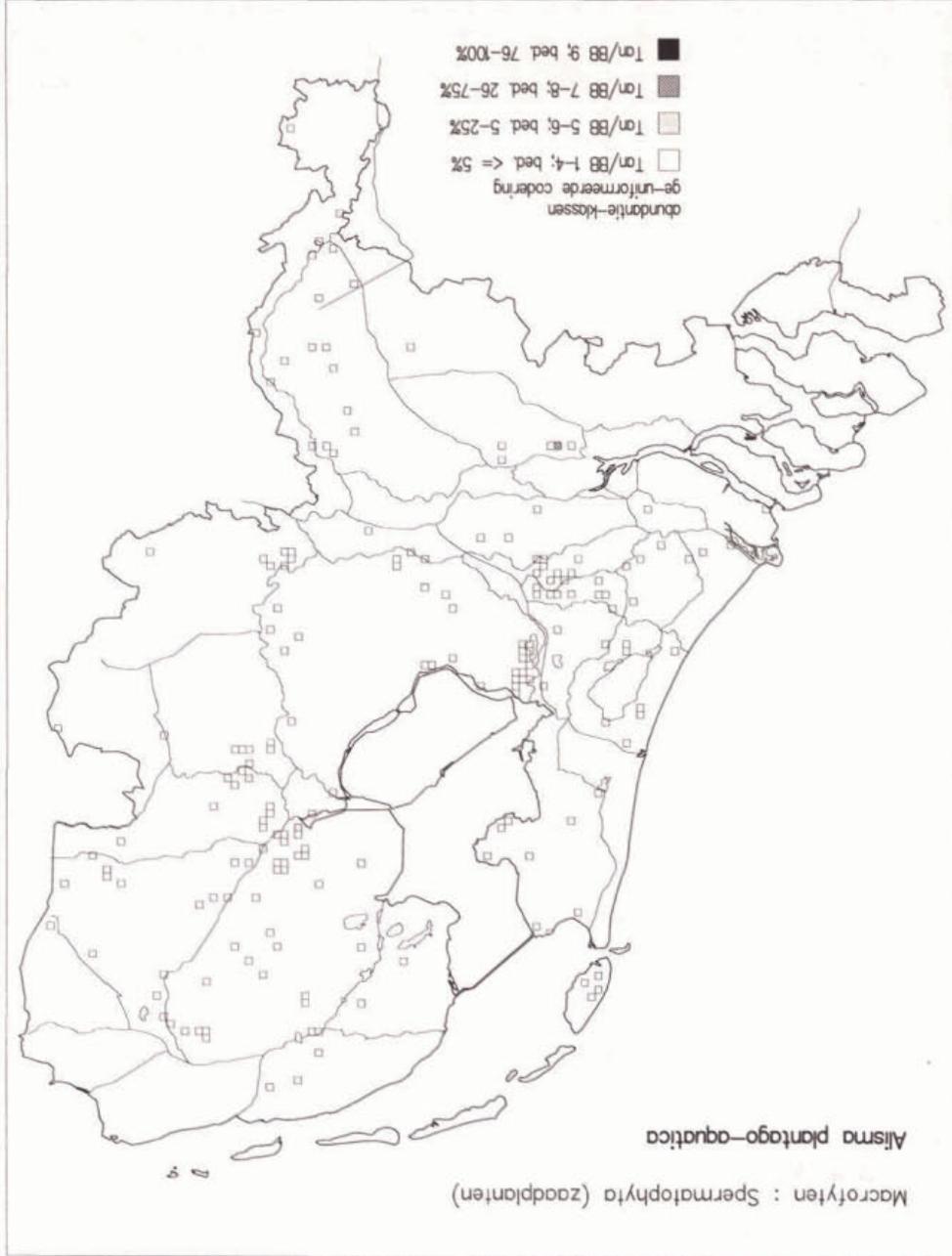
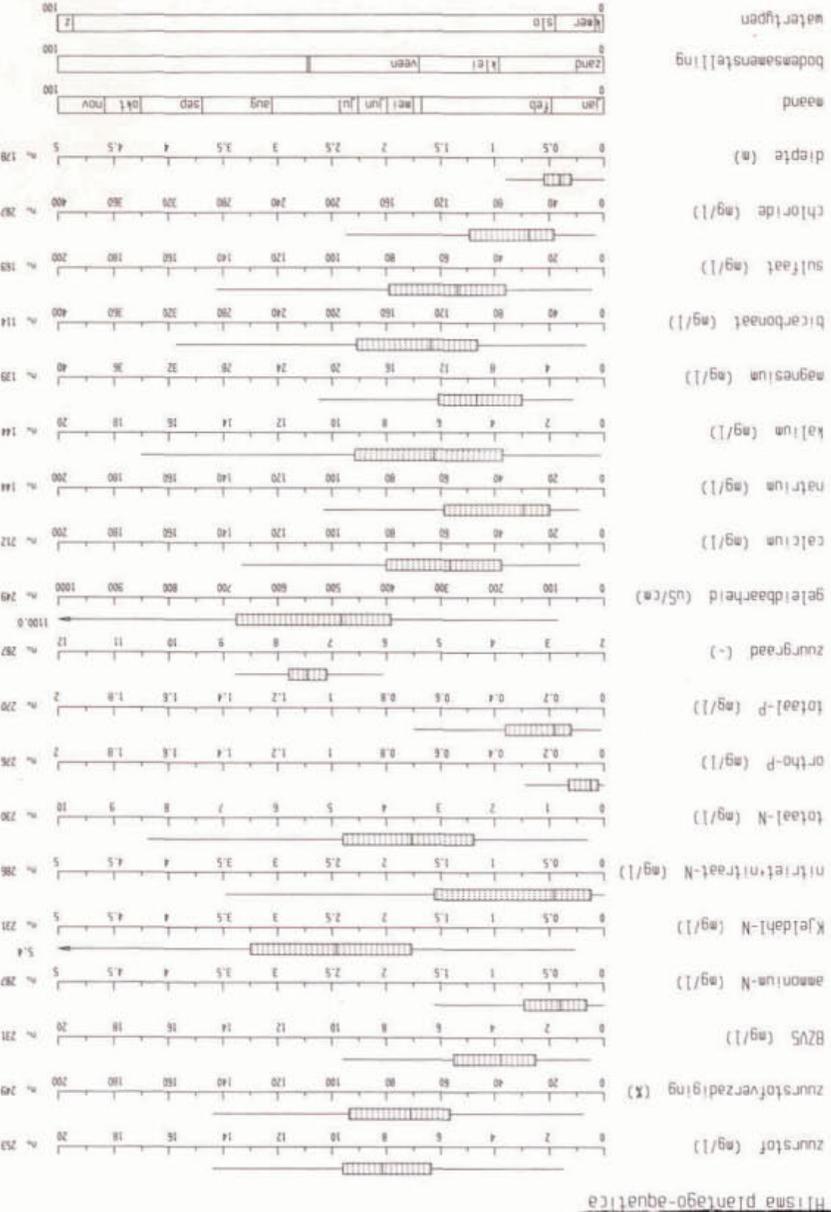
Agrostis stolonifera

vangsten : 503 sloten 11 mieren  
 locaties : 350 stromende wateren 11 zand-, grind- en  
 hokken : 291 11 kanalen 11 kleigaten

Agrostis stolonifera



jan mei jun jul aug sep  
 100  
 100  
 100



Alisma plantago-aquatica

vroegstent : 311  
waterstypen  sloten  meren   
locaties : 246  stormende wateren  zand-, grind- en  kleigaten

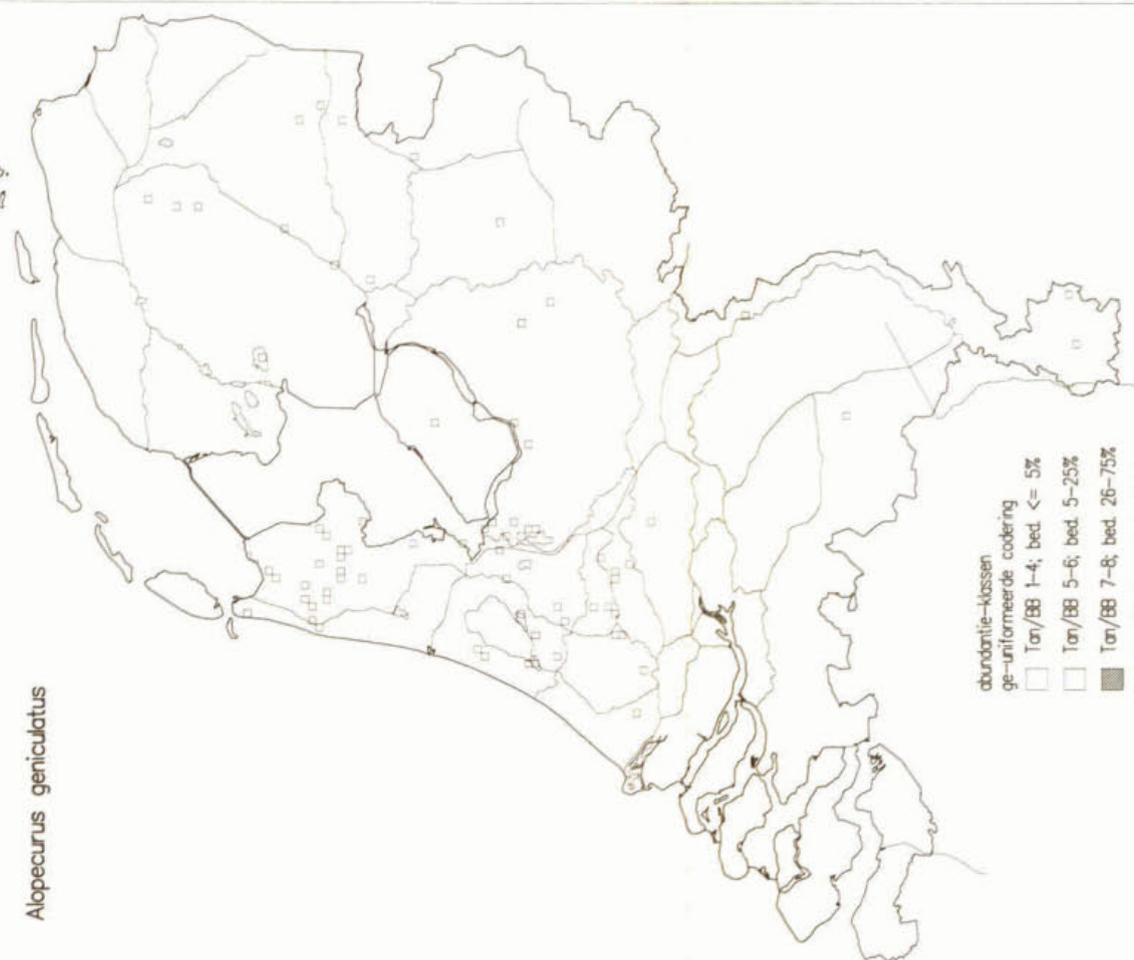
hokken : 196

Eco-atlas van waterorganismen

**STOWA**

Macrofyten : Spermatophyta (zaadplanten)

**Alopecurus geniculatus**

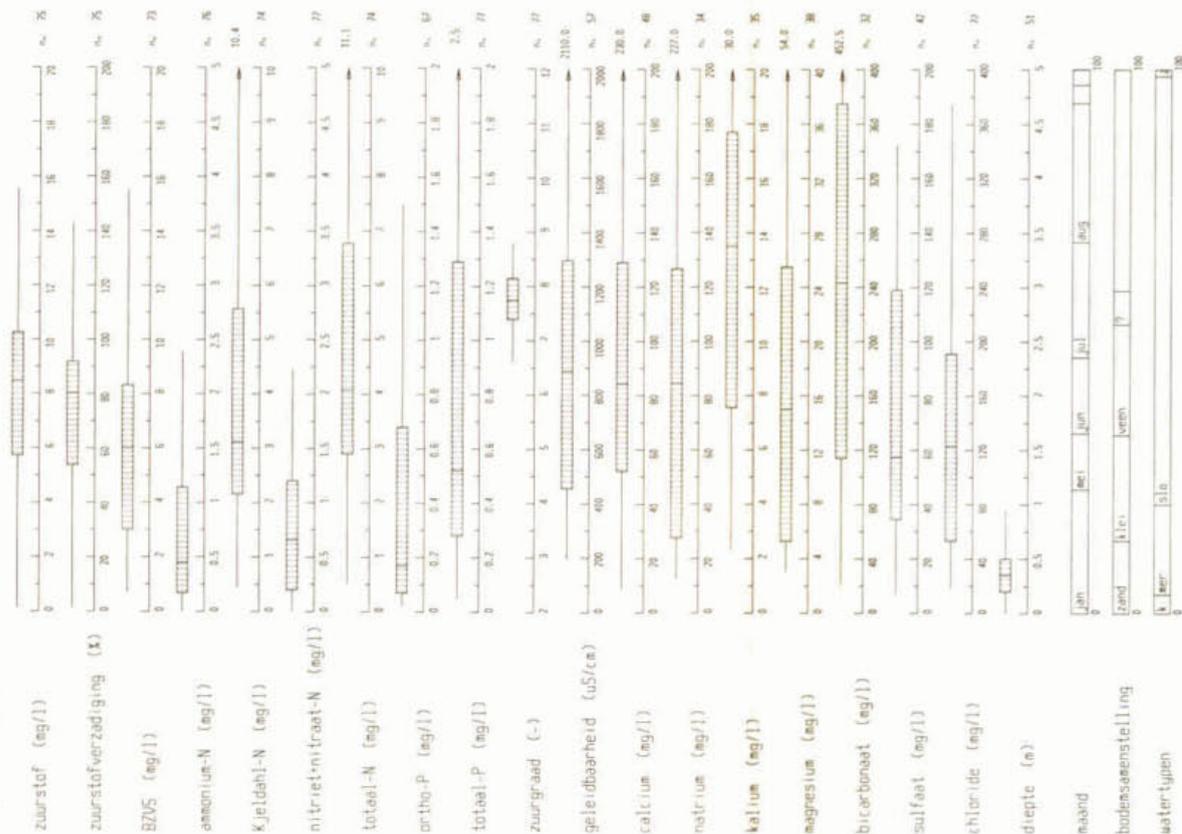


- abundantie-klassen  
 ge-uniformeerde coating  
 □ Ton/BB 1-4; bed. <= 5%  
 □ Ton/BB 5-6; bed. 5-25%  
 ■ Ton/BB 7-8; bed. 26-75%  
 ■ Ton/BB 9; bed. 76-100%

**Alopecurus geniculatus**

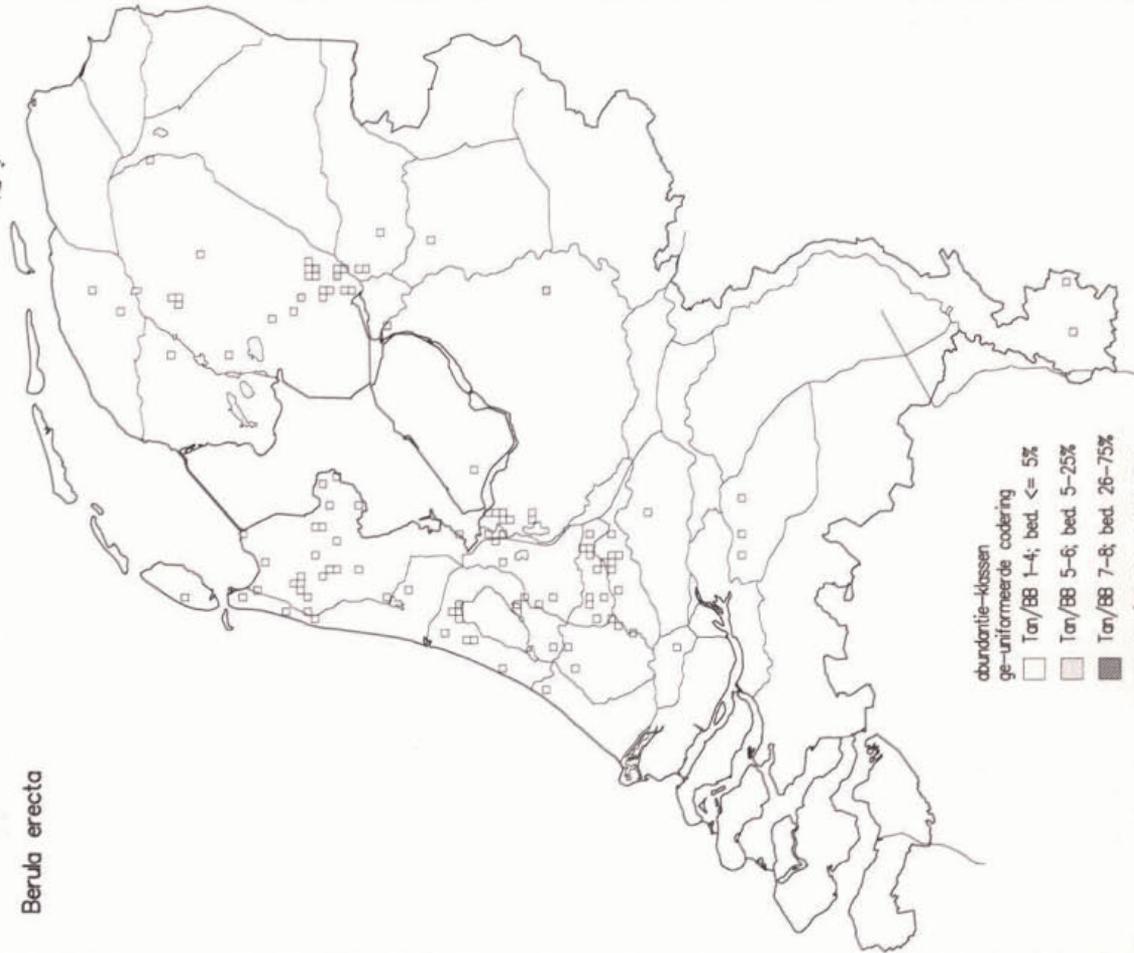
- watertypen □ sloten □ meren  
 □ stromende wateren □ zand-, grind- en kleigaten  
 □ kanalen
- vangsten : 85  
 locaties : 82  
 hakken : 75

**Alopecurus geniculatus**



Macrofyten : Spermatophyta (zaadplanten)

*Berula erecta*



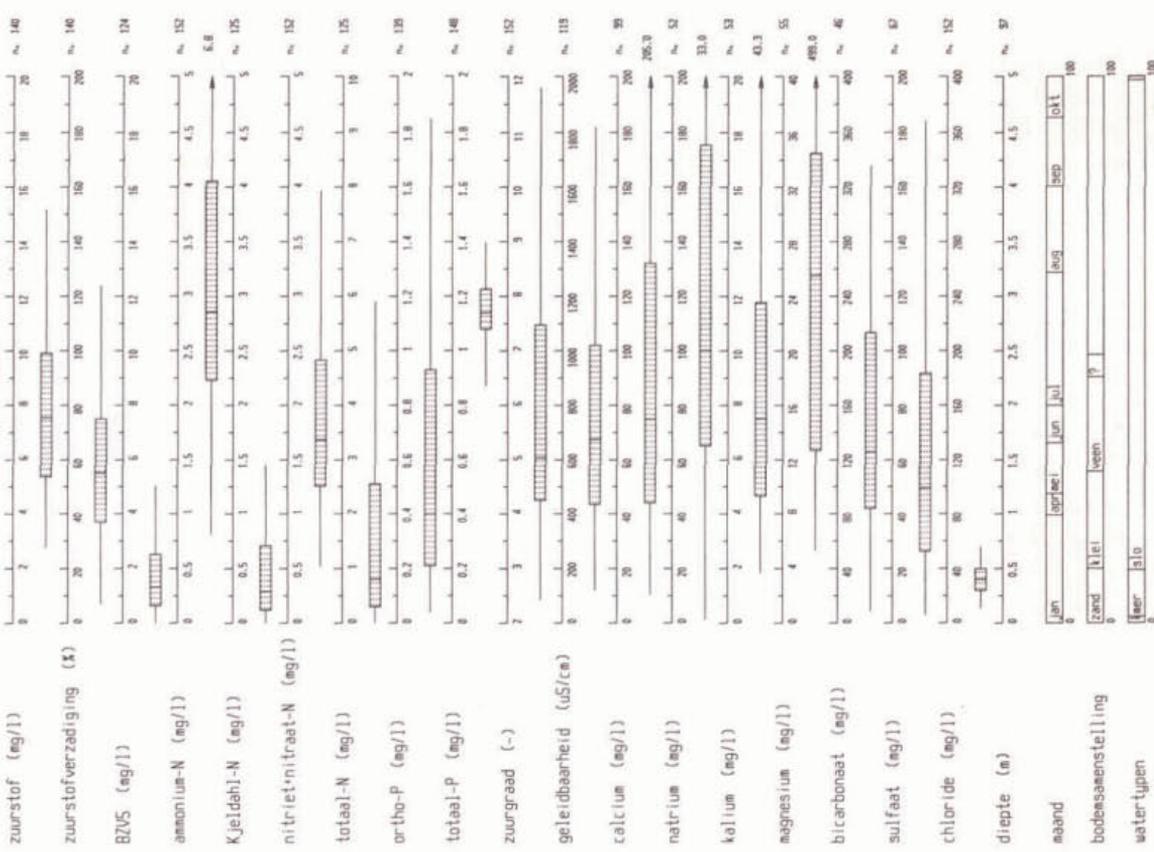
- abundantie-klassen  
ge-uniformeerde codering
- 1: bed. <= 5%
  - 2: bed. 5-25%
  - 3: bed. 26-75%
  - 4: bed. 76-100%

*Berula erecta*

- vangsten : 153  
locaties : 133  
hokken : 113
- watertypen
- sloten
  - meren
  - stromende wateren
  - zand-, grind- en kleigaten
  - kanalen

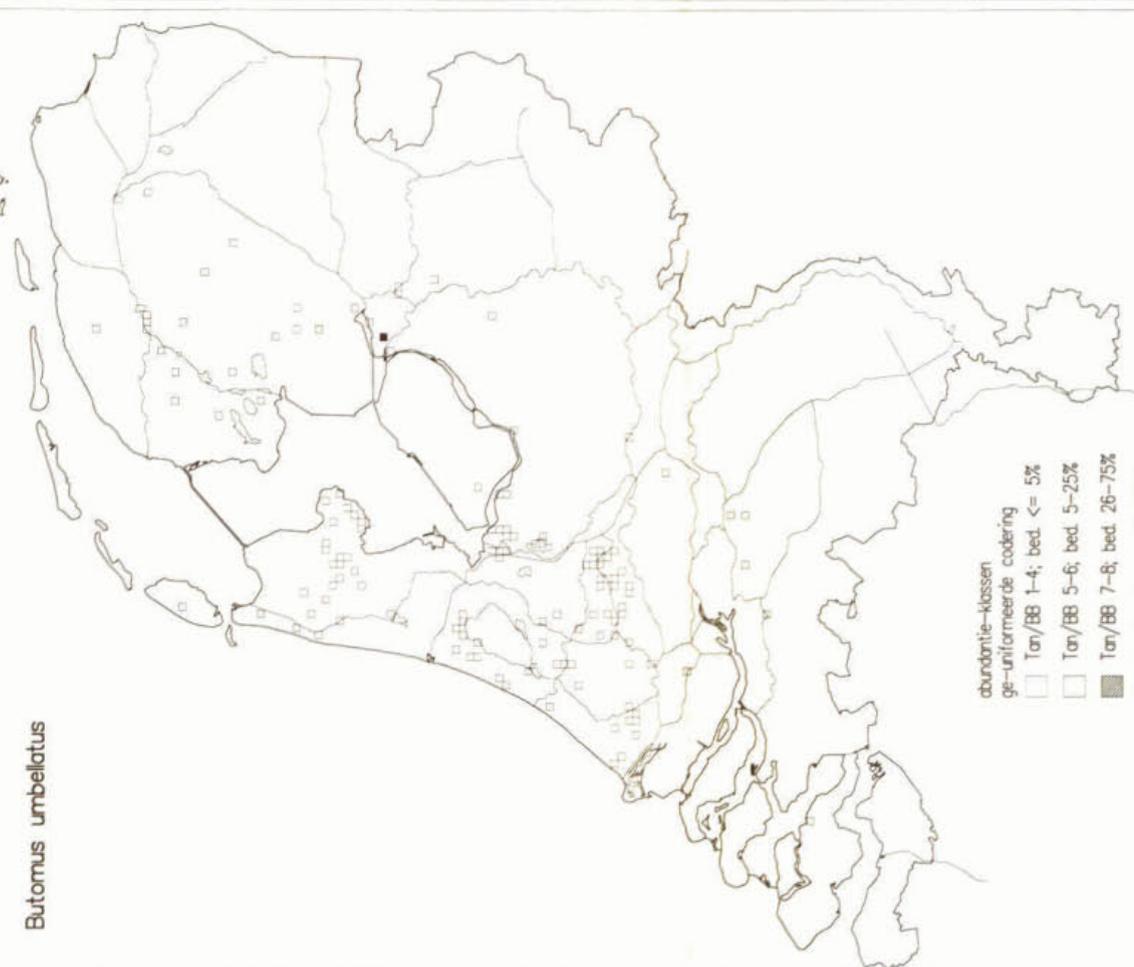
**stowa**

Eco-atlas van waterorganismen



Macrofyten : Spermatophyta (zaadplanten)

**Butomus umbellatus**



abundantie-klassen  
 ge-uniformeerde codering  
 □ Tan/BB 1-4; bed. <= 5%  
 □ Tan/BB 5-6; bed. 5-25%  
 ■ Tan/BB 7-8; bed. 26-75%  
 ■ Tan/BB 9; bed. 76-100%

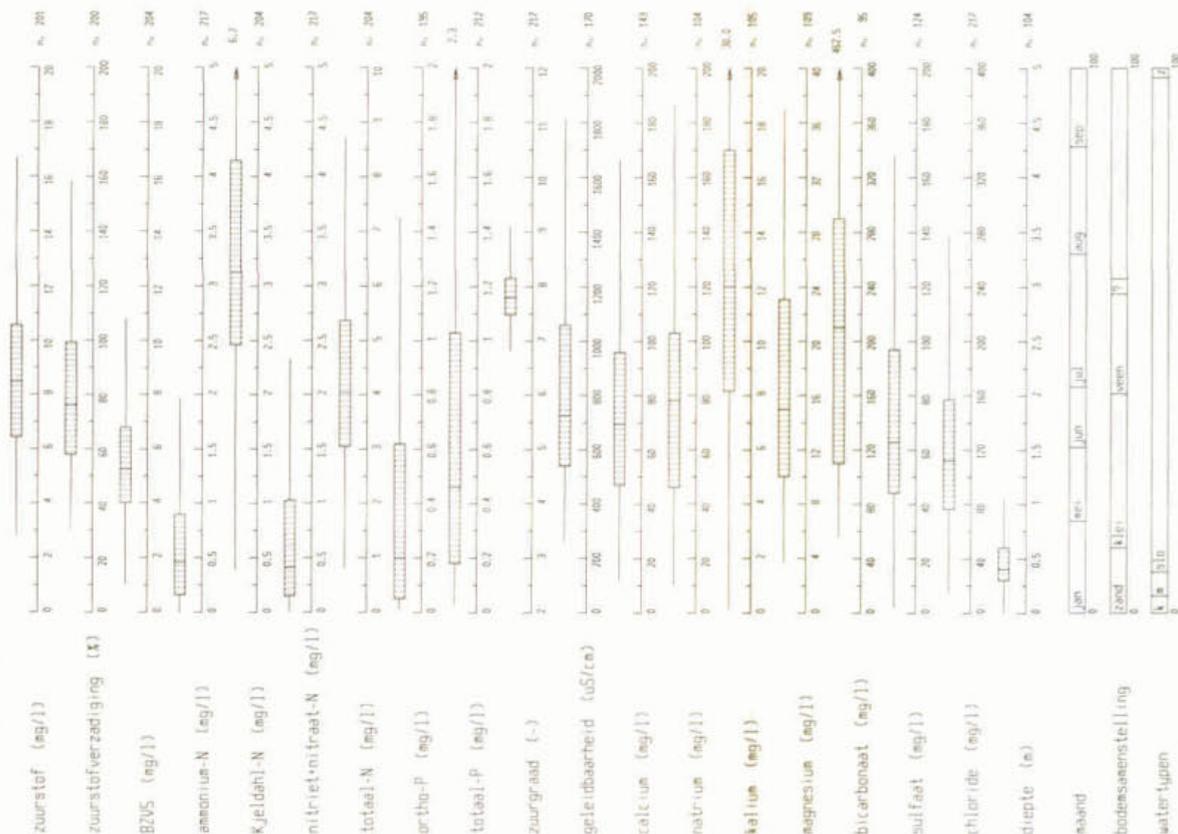
Butomus umbellatus

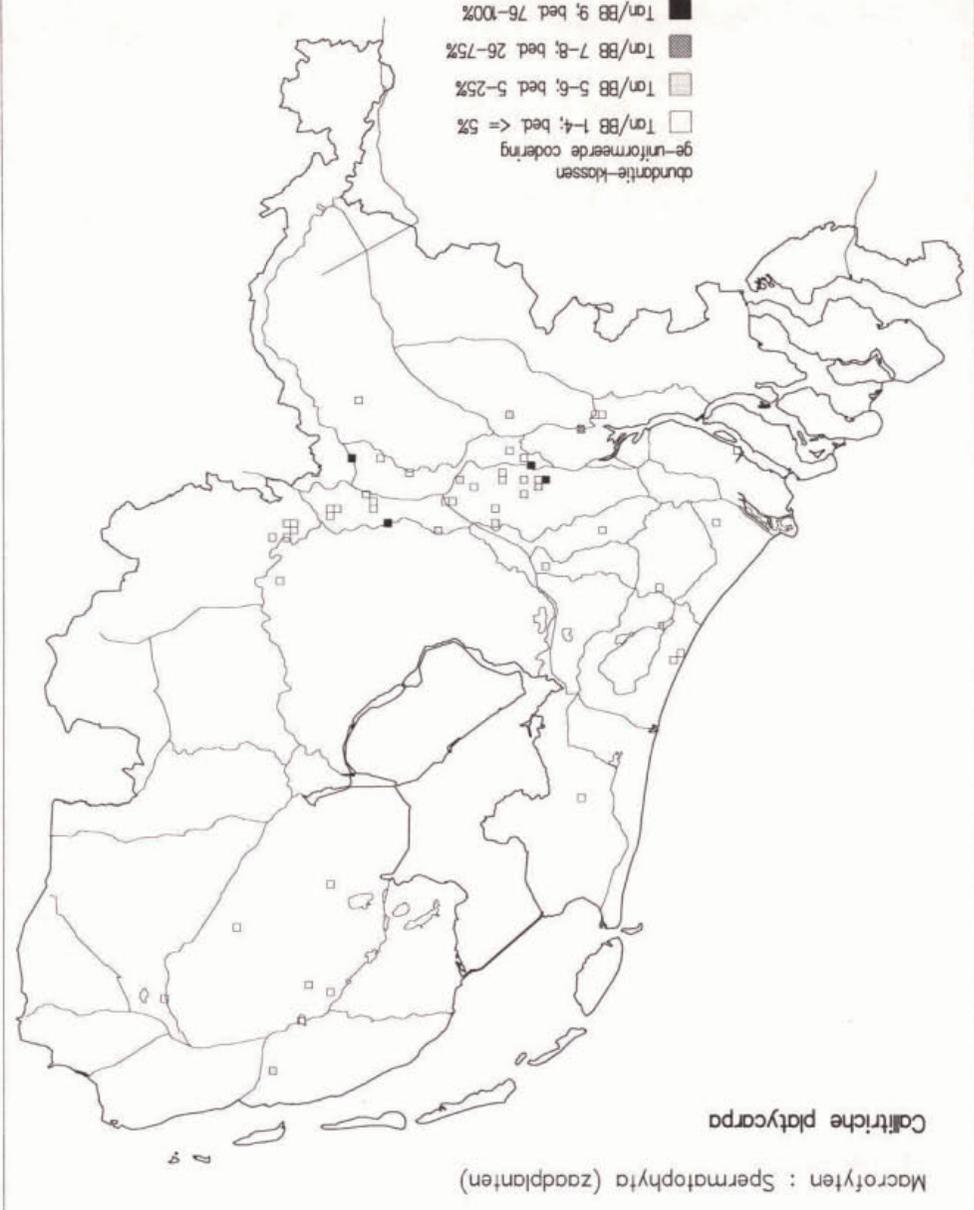
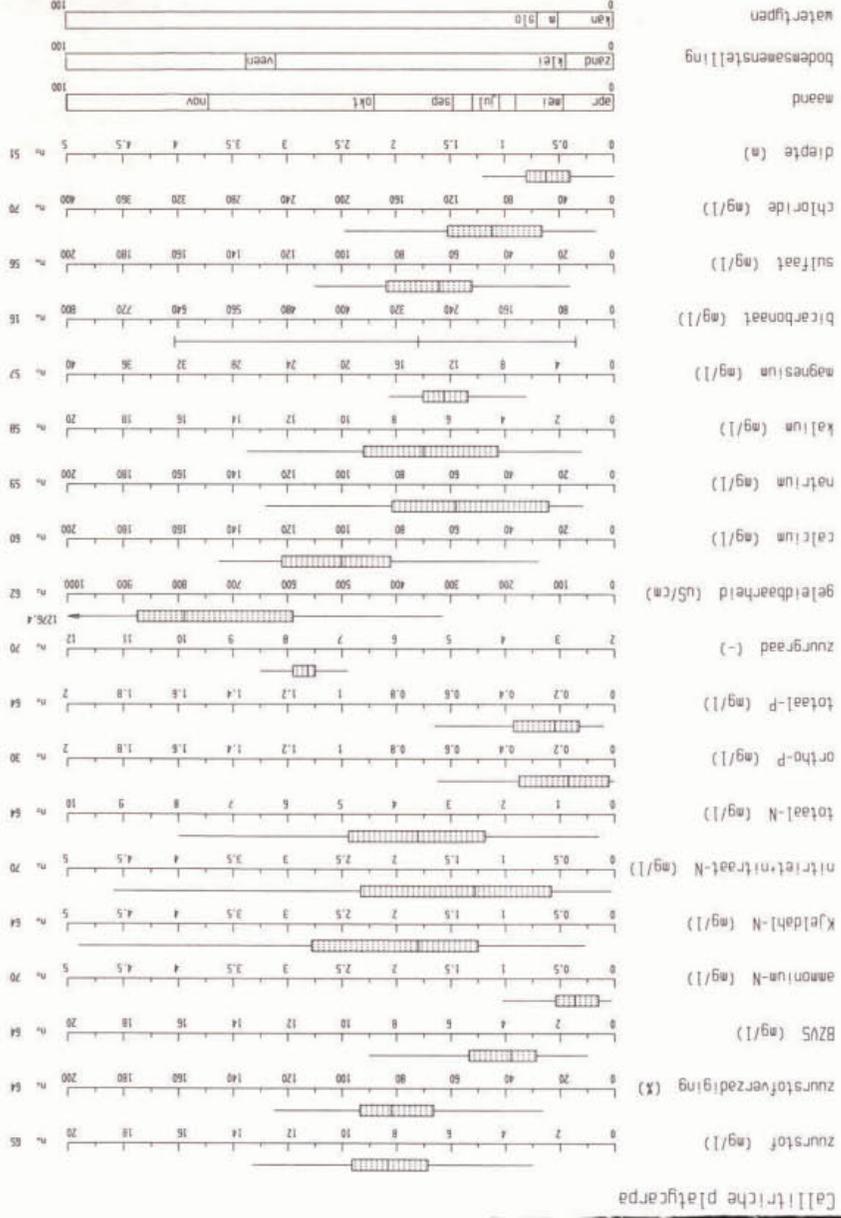
vangsten : 229  
 locaties : 160  
 hakken : 131

watertypen  
 sloten  
 stromende wateren  
 karren

meren  
 zand-, grind- en kleigaten

Butomus umbellatus





Macrofyten : Spermatophyta (zaadplanten)

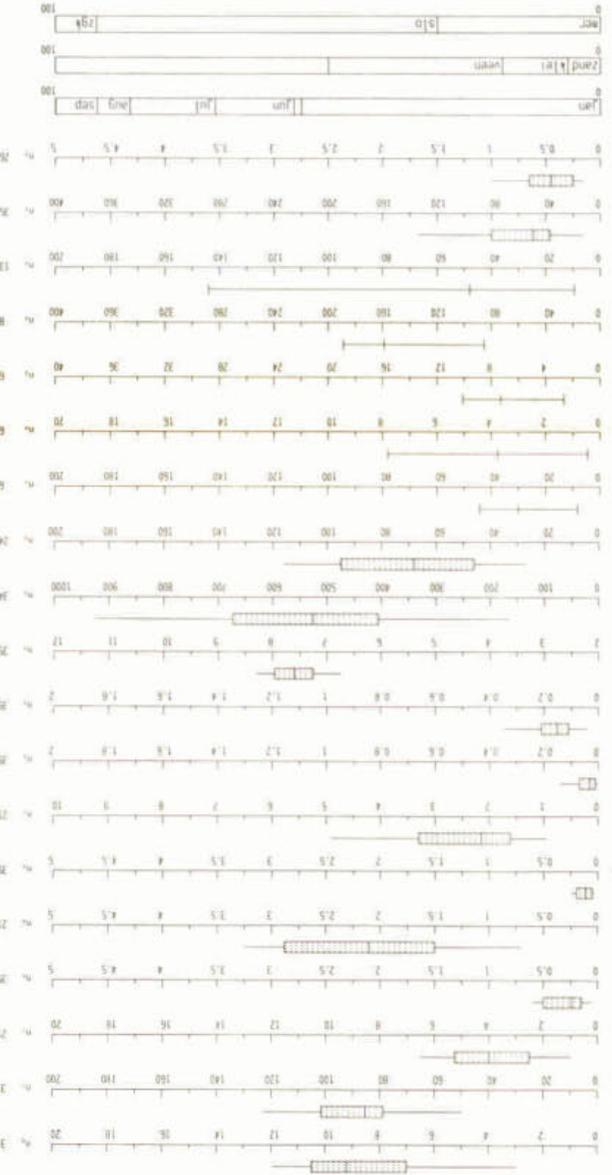
Callitriche platycarpa

Callitriche platycarpa

sloten  
 stromende wateren  
 zand-, grind- en kleigaten  
 meren  
 kanden

vangsten : 71  
 locaties : 66  
 hokken : 54

Eco-atlas van waterorganismen



Caltha palustris

zuurstof (mg/l)

zuurstofverzadiging (%)

BZVS (mg/l)

ammonium-N (mg/l)

Kjeldahl-N (mg/l)

nitriet/nitraat-N (mg/l)

totaal-N (mg/l)

ortho-P (mg/l)

totaal-P (mg/l)

zuurgraad (-)

geleidbaarheid (µS/cm)

calcium (mg/l)

natrium (mg/l)

kalium (mg/l)

magnesium (mg/l)

bicarbonaat (mg/l)

sulfaat (mg/l)

chloride (mg/l)

diepte (m)

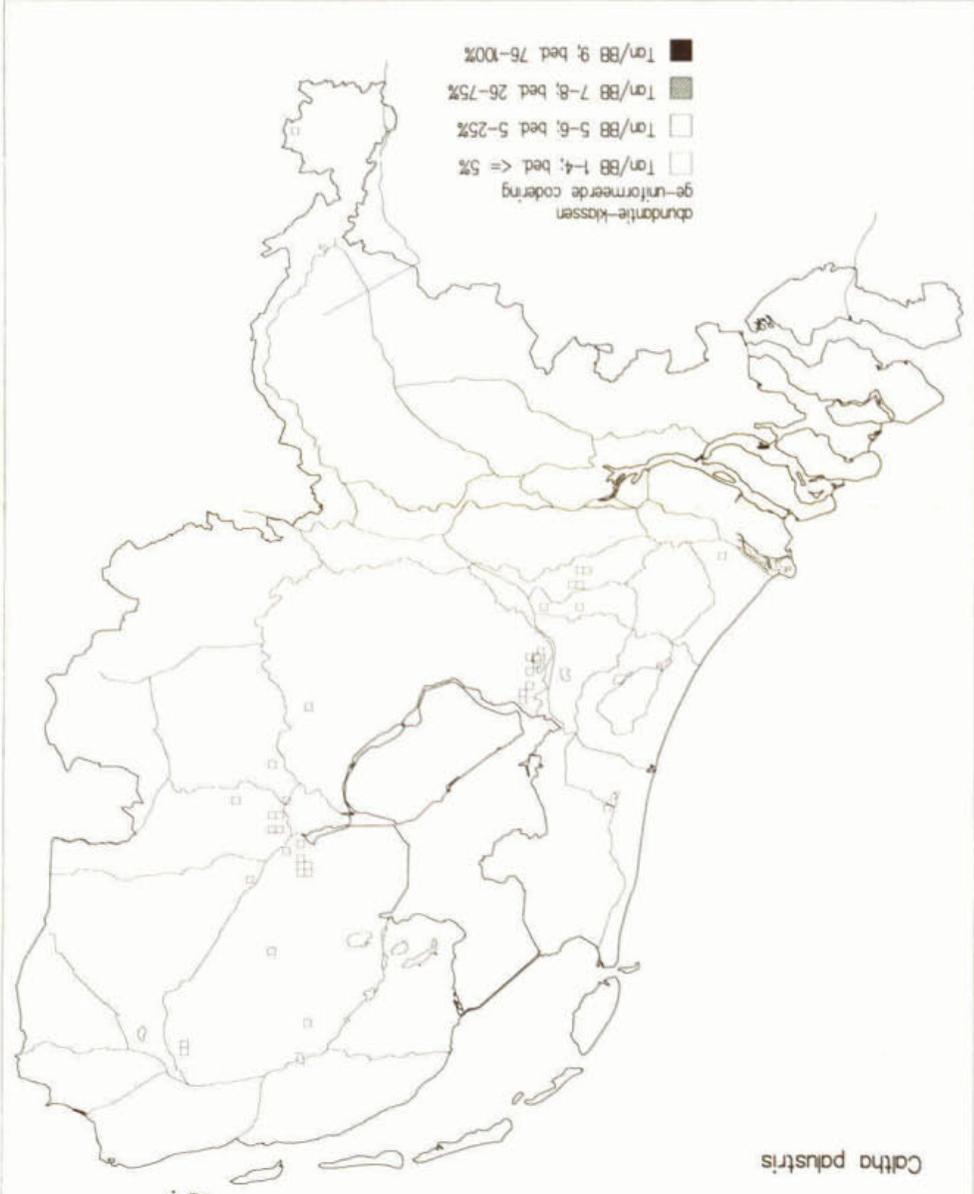
maad

bodesaemstelling

water lippen

Macrofyten : Spermatophyta (zaadplanten)

Caltha palustris



abundantie-klassen  
ge-uniformeerde codering  
locaties : 40  
bed : <= 5%  
locaties : 40  
bed : 5-25%  
locaties : 40  
bed : 26-75%  
locaties : 36  
bed : 76-100%

Caltha palustris

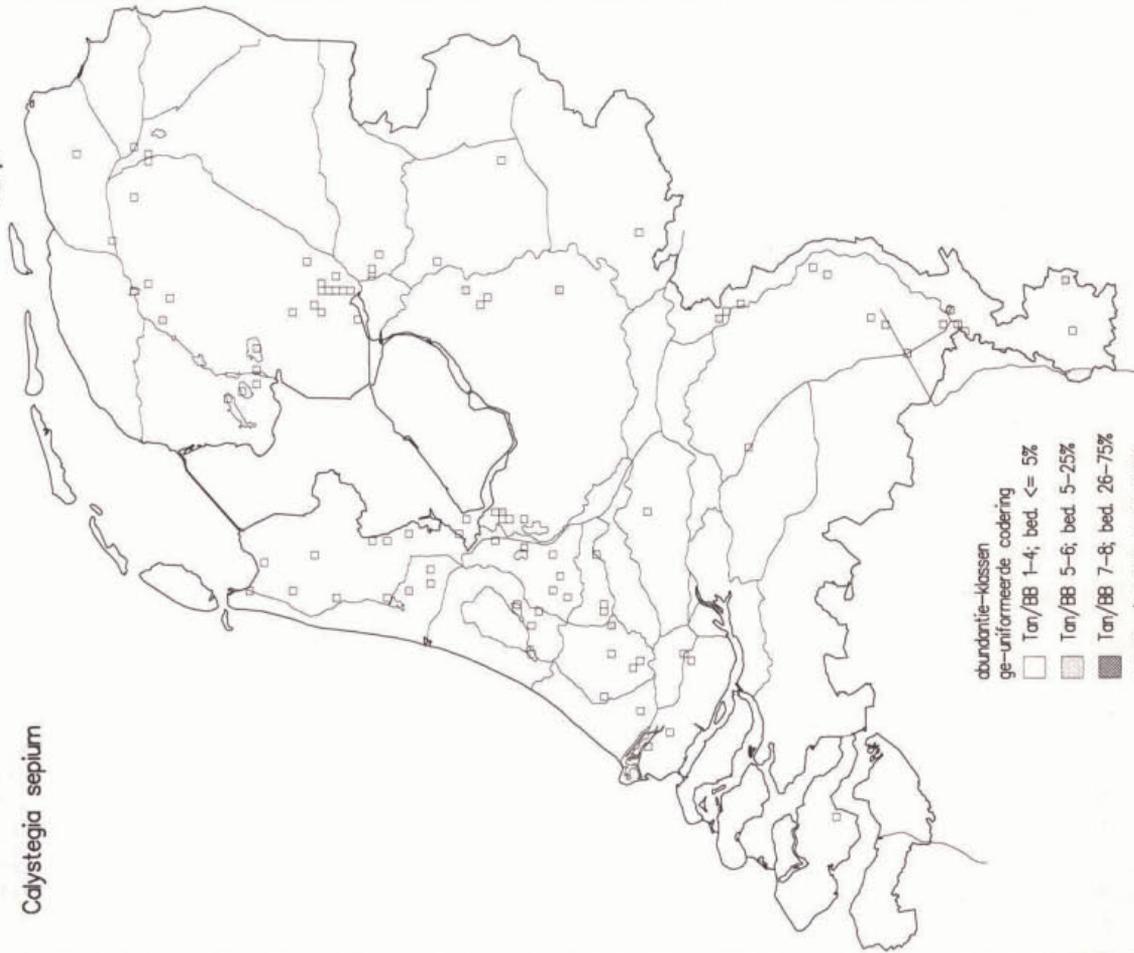
watertypen  sloten  meren  
stromende wateren  zand-, grind- en kleigaten  
kanden

STOWA

Eco-atlas van waterorganismen

Macrofyten : Spermatophyta (zaadplanten)

Calystegia sepium



abundantie-klasse  
ge-uniformeerde codering  
□ Tn/BB 1-4; bed. <= 5%  
▒ Tn/BB 5-6; bed. 5-25%  
▓ Tn/BB 7-8; bed. 26-75%  
■ Tn/BB 9; bed. 76-100%

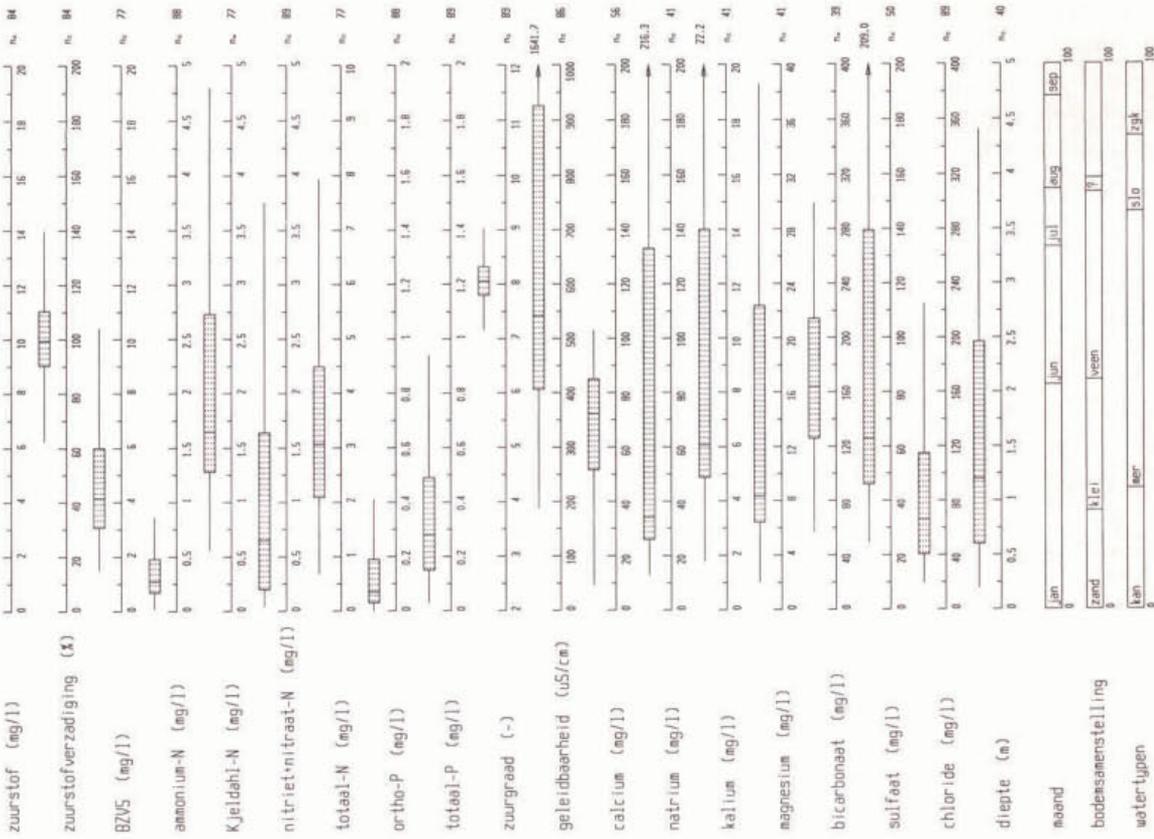
Calystegia sepium

vangsten : 108  
localities : 105  
hokken : 98

watertypen  
 sloten  
 stromende wateren  
 zand-, grind- en kleigaten  
 mieren  
 kanden

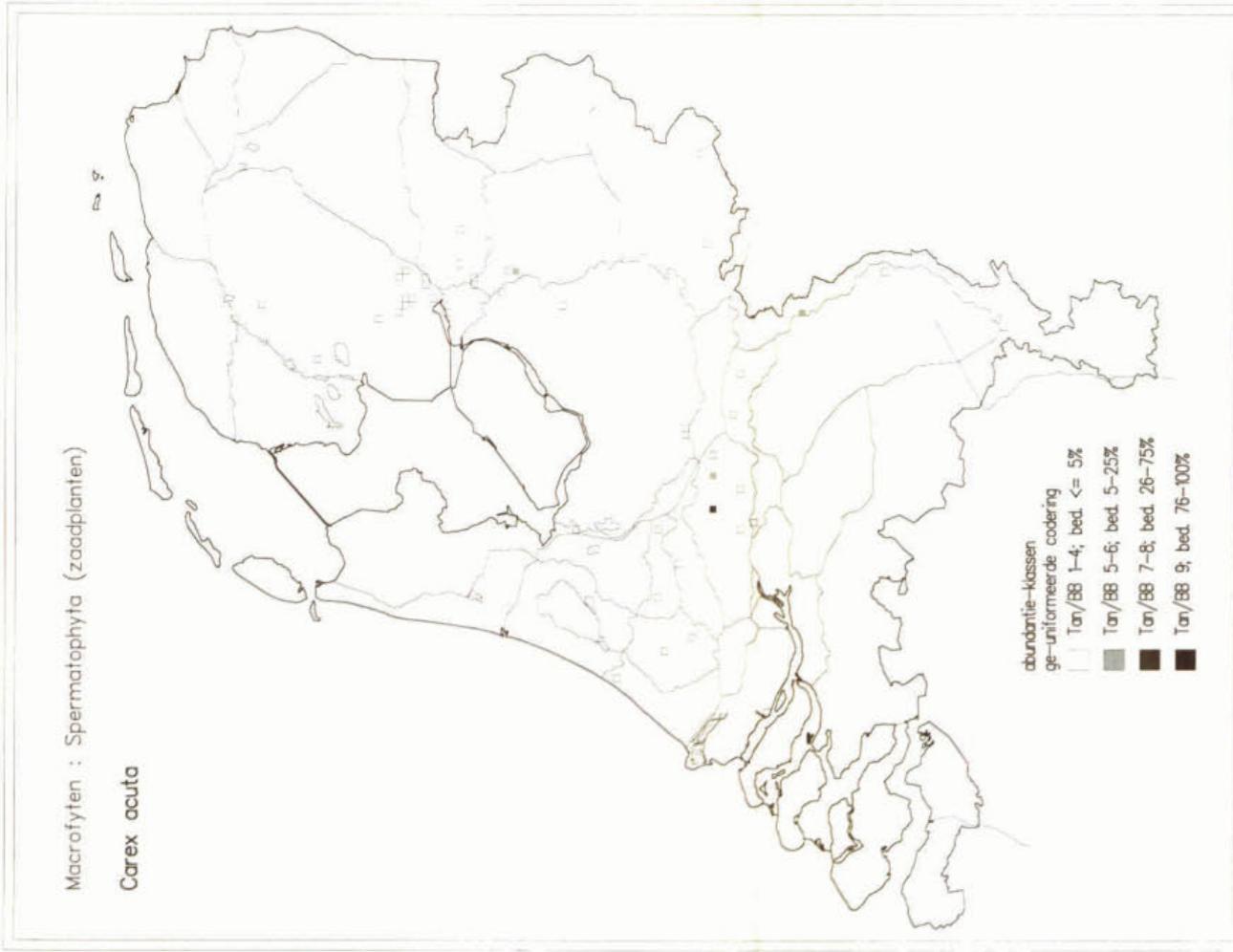
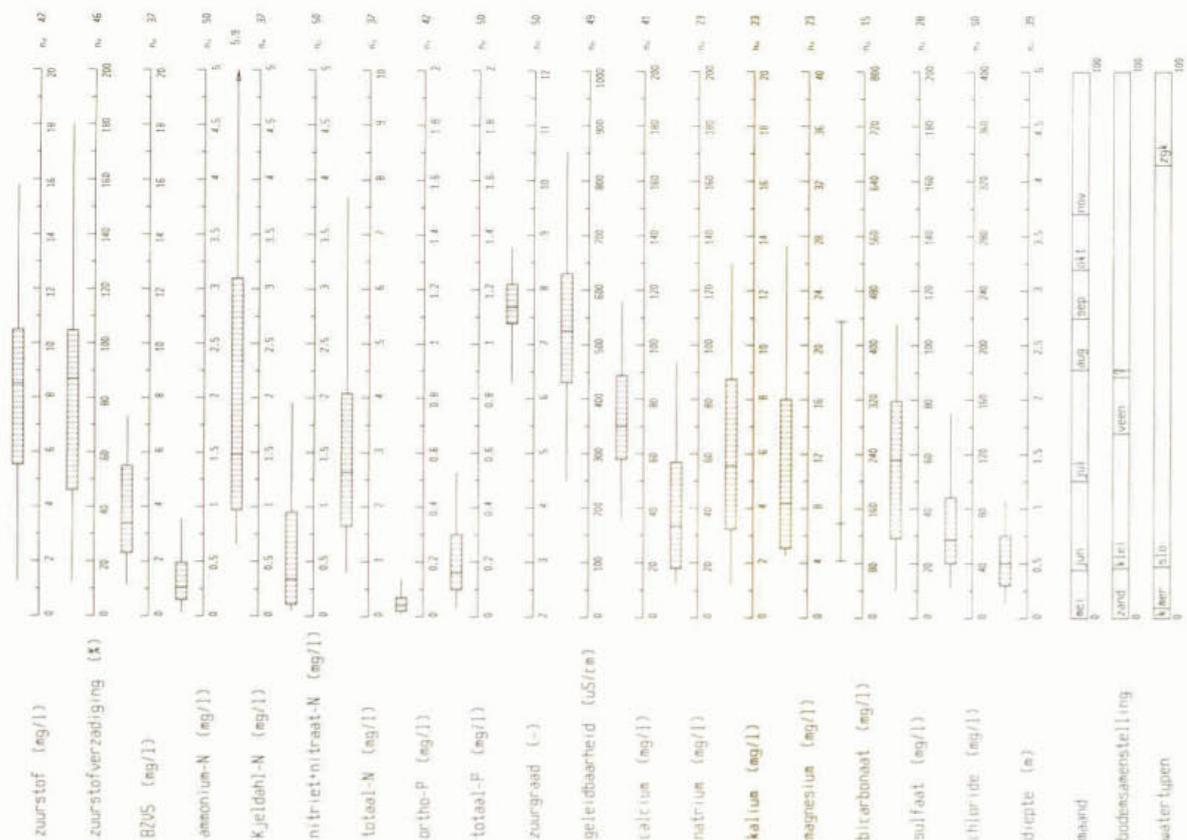
**stowa**  
Eco-atlas van waterorganismen

Calystegia sepium



maand  
jan jun jul aug sep  
bodemtype  
zand klei veen  
kan mer 5.0 2.3k  
100  
100  
100

Carex acuta



Carex acuta



Eco-atlas van waterorganismen

Macrofyten : Spermatophyta (zaadplanten)

Carex acutiformis



abundantie-klassen  
ge-uniformeerde codering

- 1-4; bed. <= 5%
- 5-6; bed. 5-25%
- 7-8; bed. 26-75%
- 9; bed. 76-100%

**stowa**

Eco-atlas van waterorganismen

Carex acutiformis

vangsten : 31  
localities : 31  
holken : 26

watertypen  sloten  meeren  zand-, grind- en kleigaten

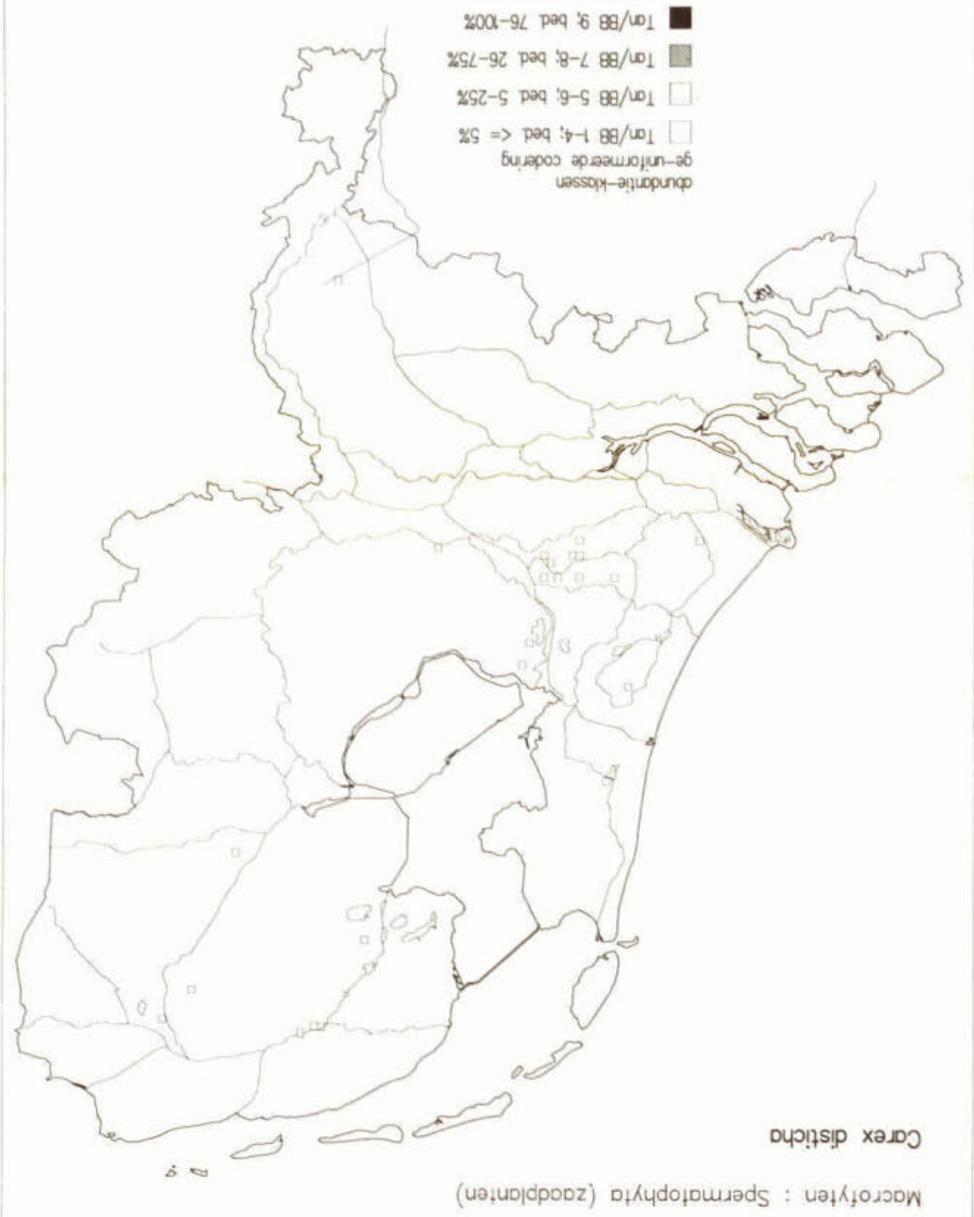
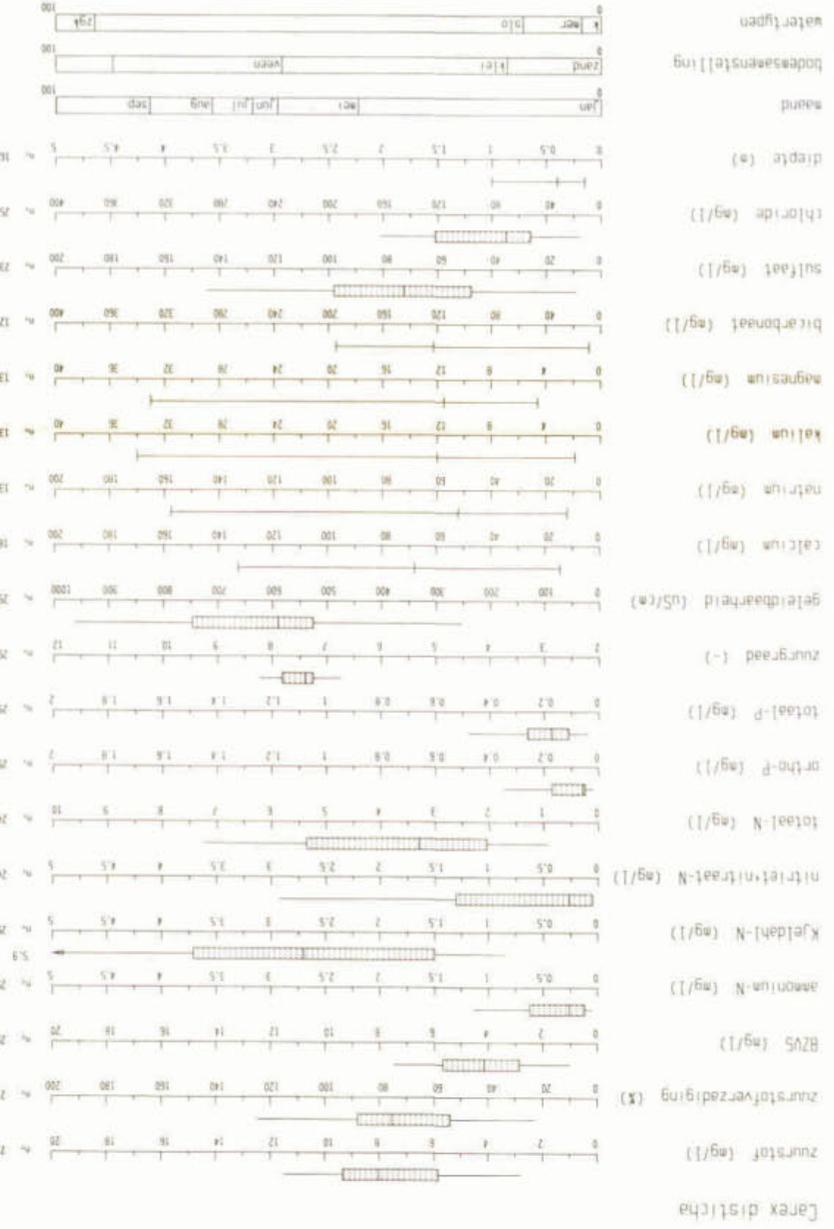
stromende wateren  kanden

Carex acutiformis



maand  jan  jul  aug  sep

bodemprofiel  zand/klei/veen  kan/mer/slo



Carex disticha

waterotypen : 28  
 locaties : 24  
 hokken : 22

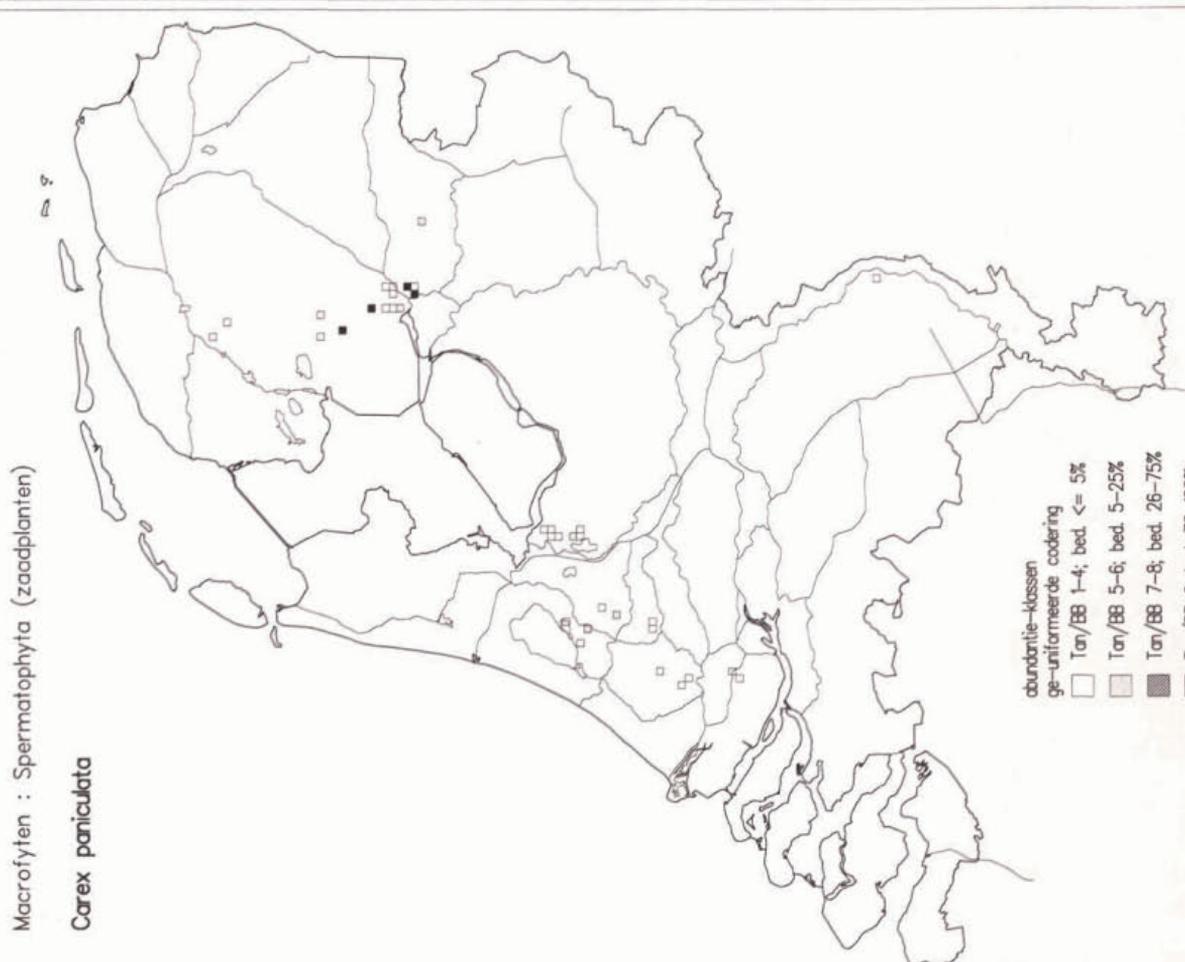
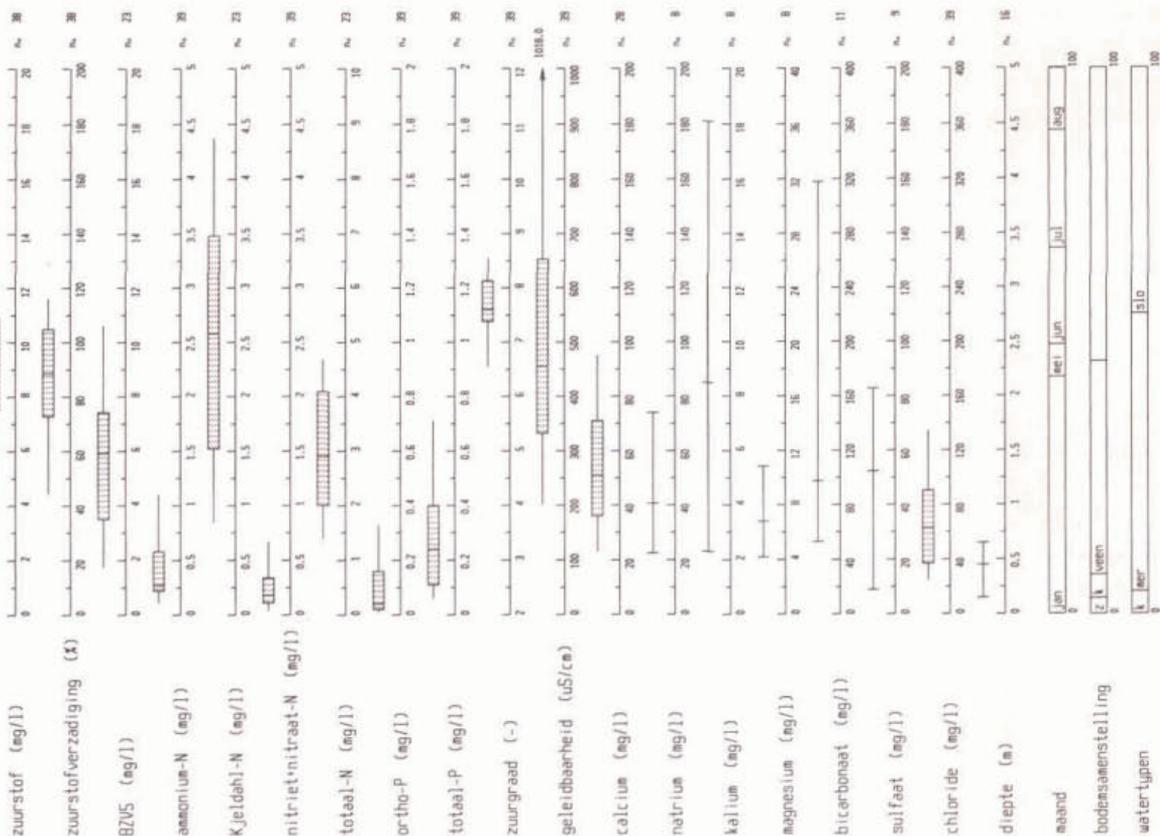
☒ sloten  
 ☐ stromende wateren  
 ☒ zand-, grind- en keigelen  
 ☒ meeren  
 ☒ kanden

stowa

Eco-atlas van waterorganismen

Macrofyten : Spermatophyta (zaadplanten)

Carex paniculata



abundantie-klassen  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. <= 5%  
◻ Ton/BB 5-6; bed. 5-25%  
◼ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

**stowa**  
Eco-atlas van waterorganismen

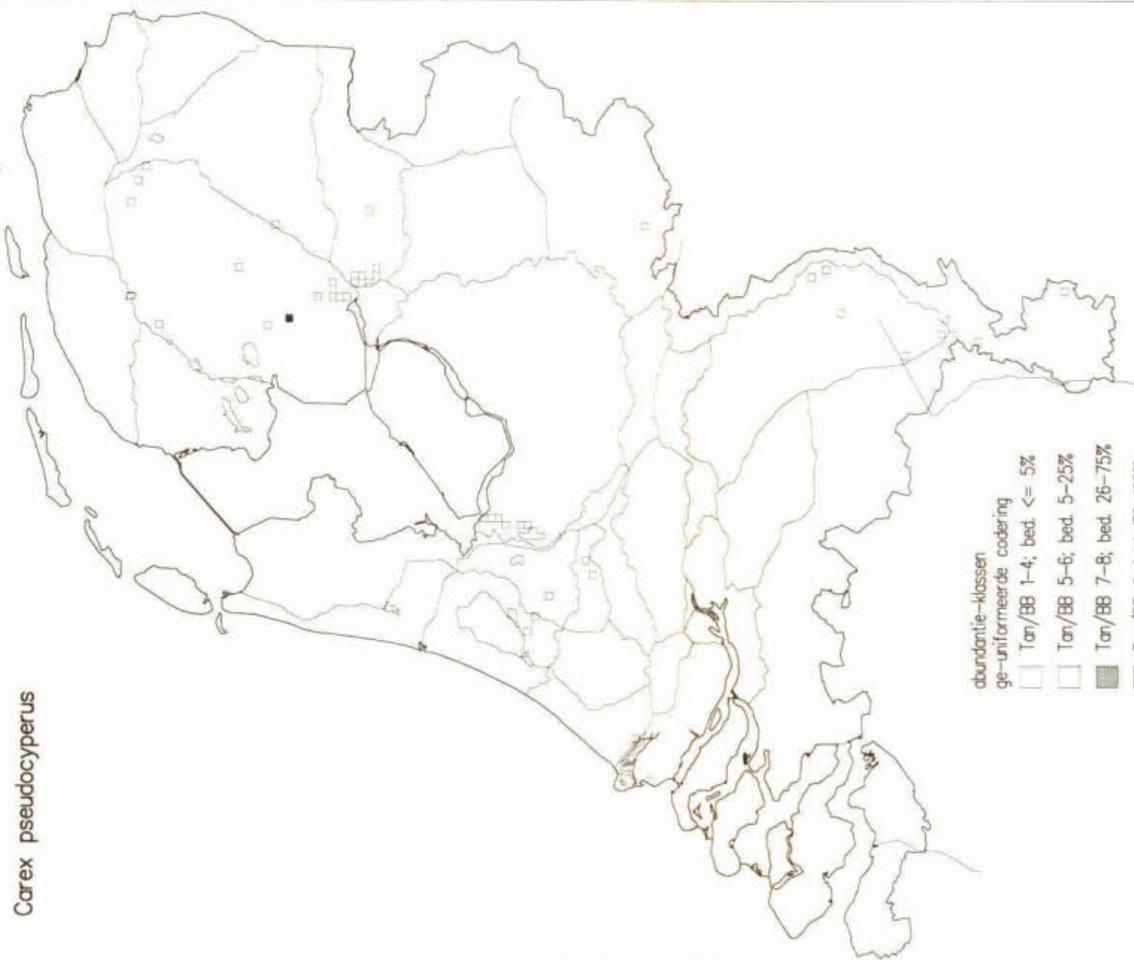
Carex paniculata

vangsten : 49  
localities : 47  
holken : 36

watertypen  silt  stromende wateren  kanalen  
meren  zand-, grind- en kleigaten

Macrofyten : Spermatophyta (zadplanten)

Carex pseudocyperus

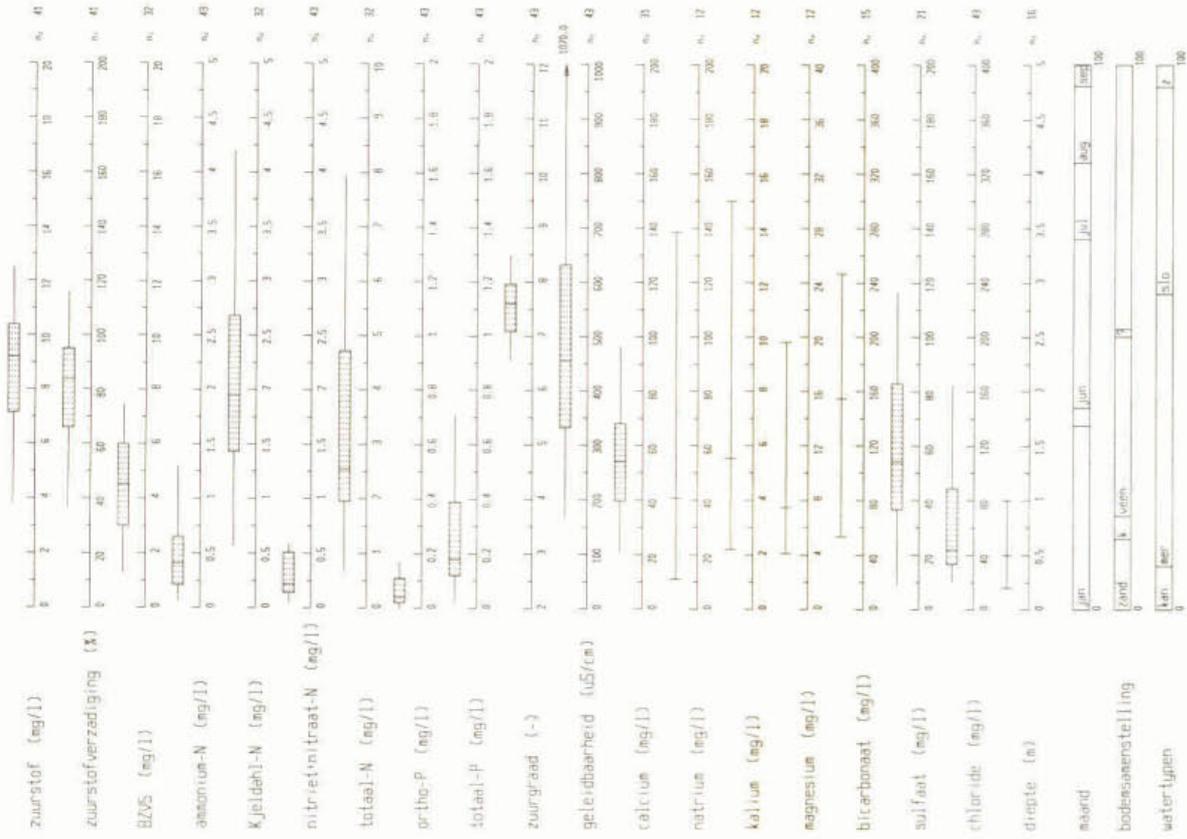


abundantie-klassen  
 ge-uniformeerde codering  
 □ Ton/BB 1-4; bed. <= 5%  
 □ Ton/BB 5-6; bed. 5-25%  
 ■ Ton/BB 7-8; bed. 26-75%  
 ■ Ton/BB 9; bed. 76-100%

Carex pseudocyperus

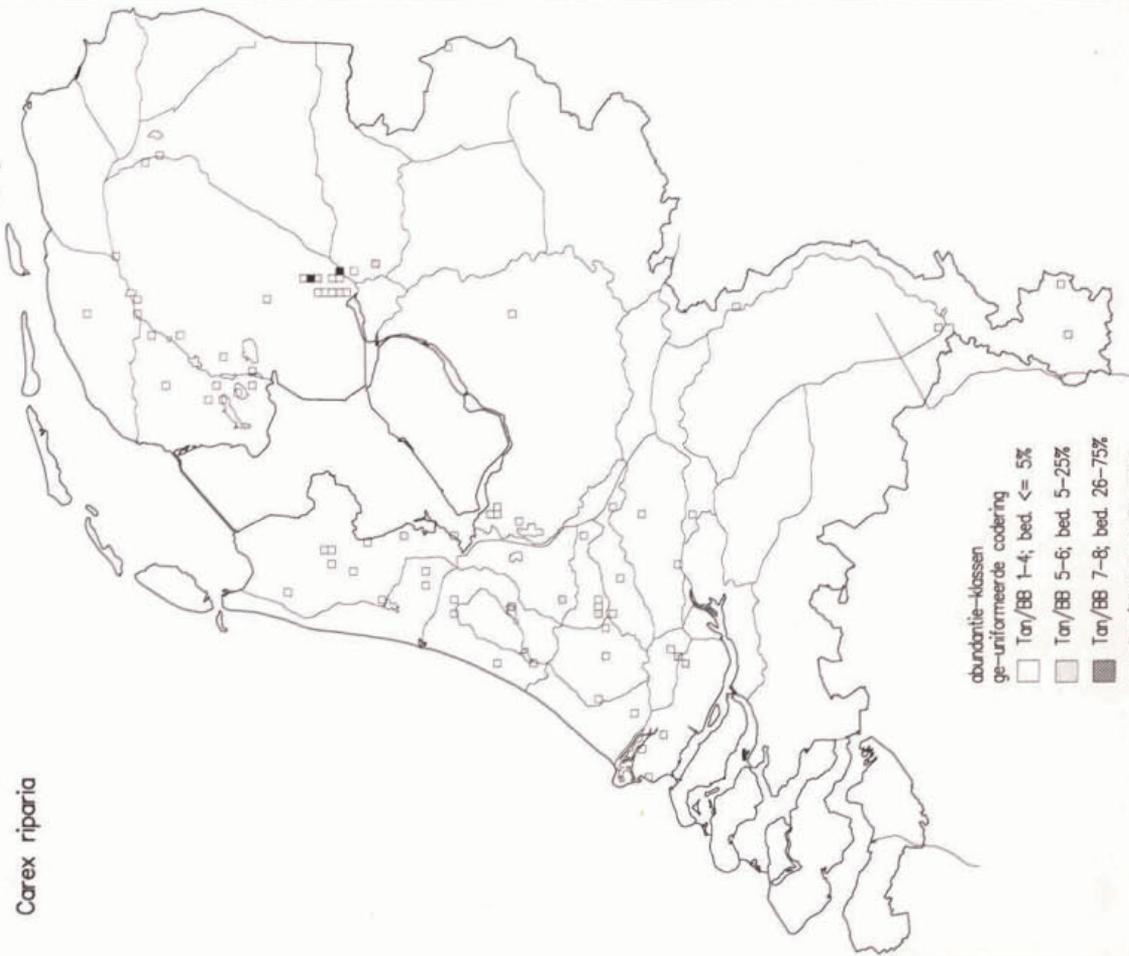
watertypen  sloten  meren  
 locaties : 50  stromende wateren  zand-, grind- en  
 hokken : 42  kanalen  kleigaten

Carex pseudocyperus



Macrofyten : Spermatophyta (zaadplanten)

Carex riparia



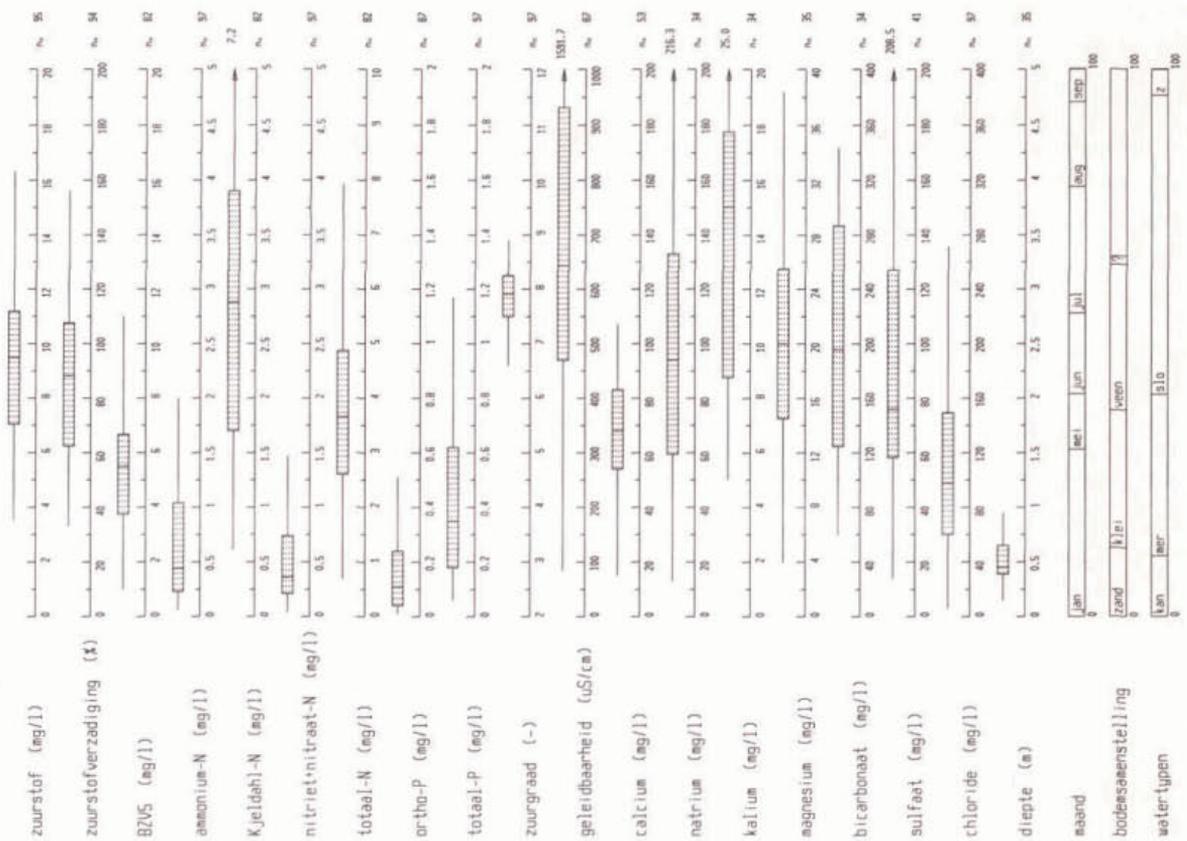
**stowa**  
Eco-atlas van waterorganismen

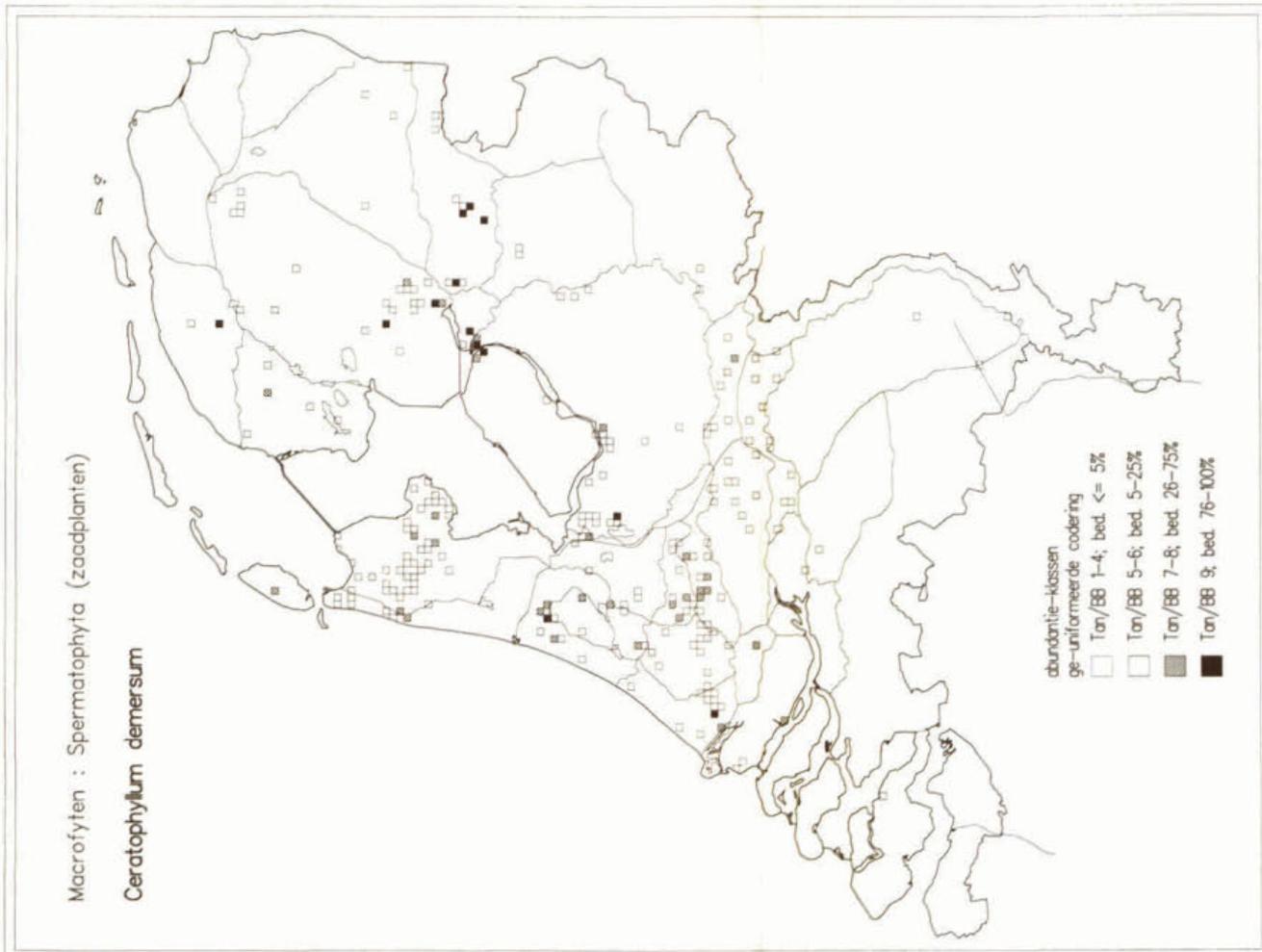
Carex riparia

vangsten : 108  
locaties : 83  
habitat : 78

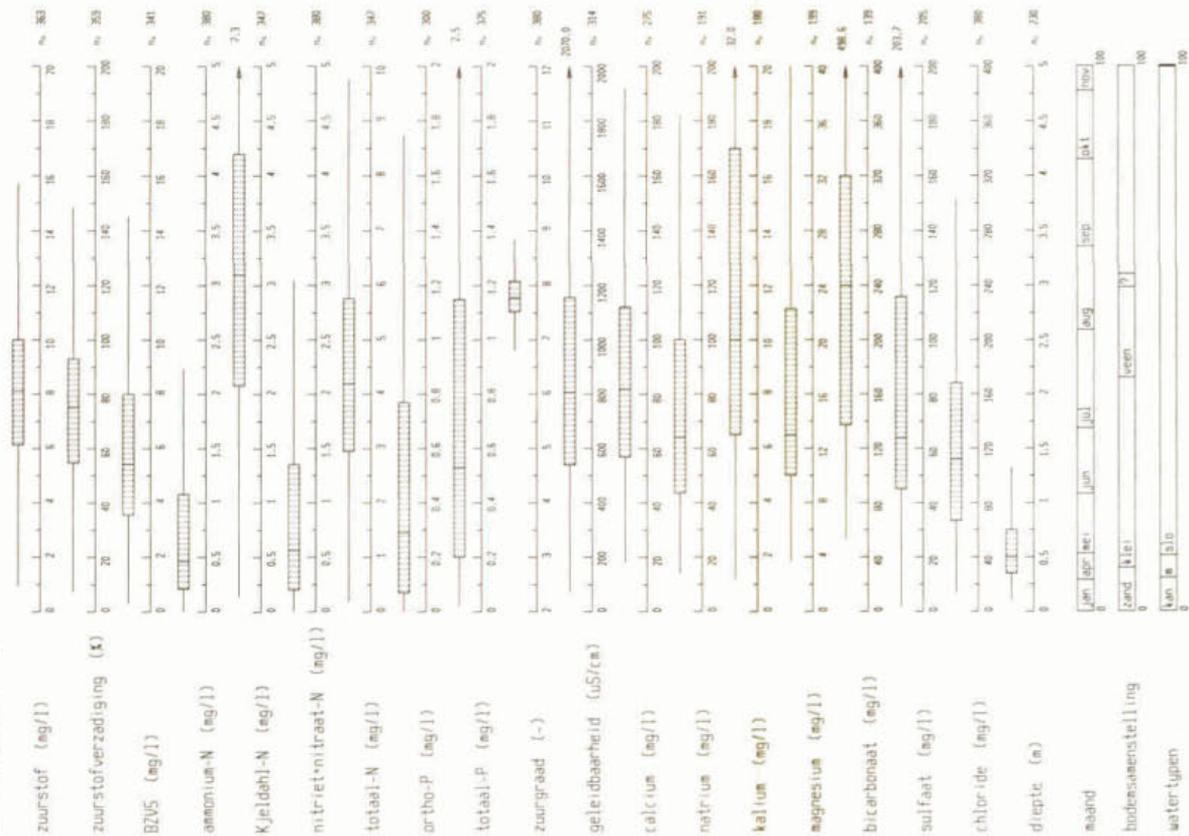
watertypen  
 meren  
 stromende wateren  
 kanalen

ge-uniformeerde codering  
 bed. <= 5%  
 bed. 5-25%  
 bed. 26-75%  
 bed. 76-100%



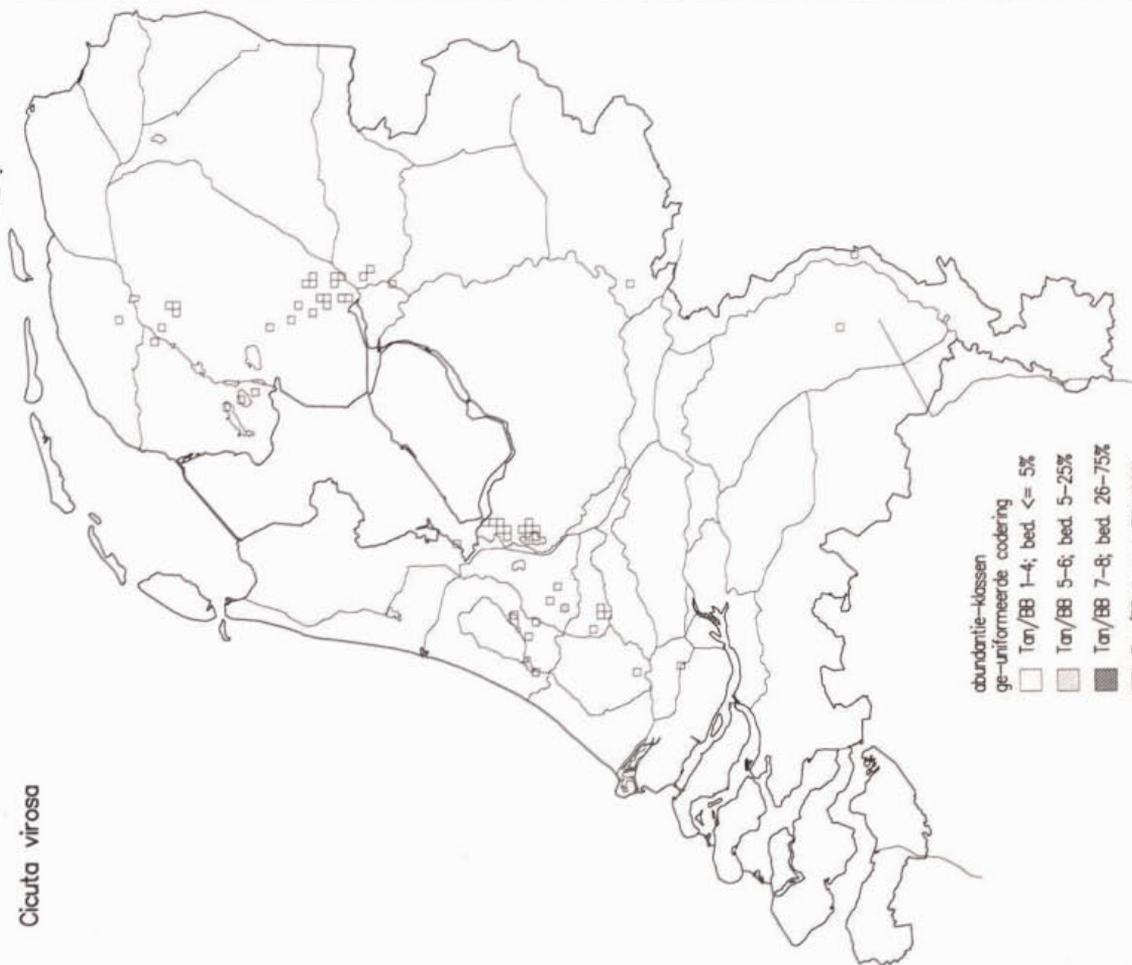


**Ceratophyllum demersum**



Macrofyten : Spermatophyta (zaadplanten)

*Cicuta virosa*



abundantie-klassen  
ge-uniformeerde codering

- 1-4; bed. <= 5%
- 5-6; bed. 5-25%
- 7-8; bed. 26-75%
- 9; bed. 76-100%

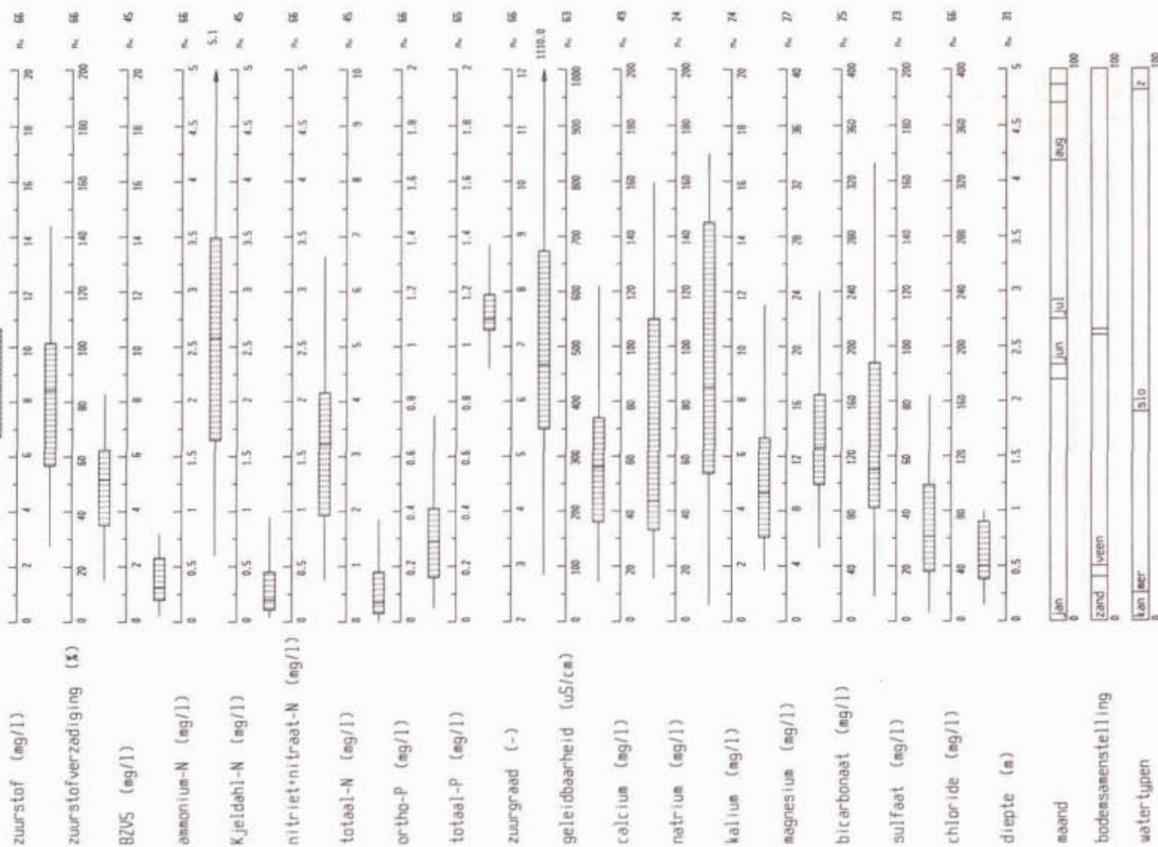
*Cicuta virosa*

vangsten : 79  
localities : 70  
hokken : 56

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en  
 kolkten

**stowa**

Eco-atlas van waterorganismen



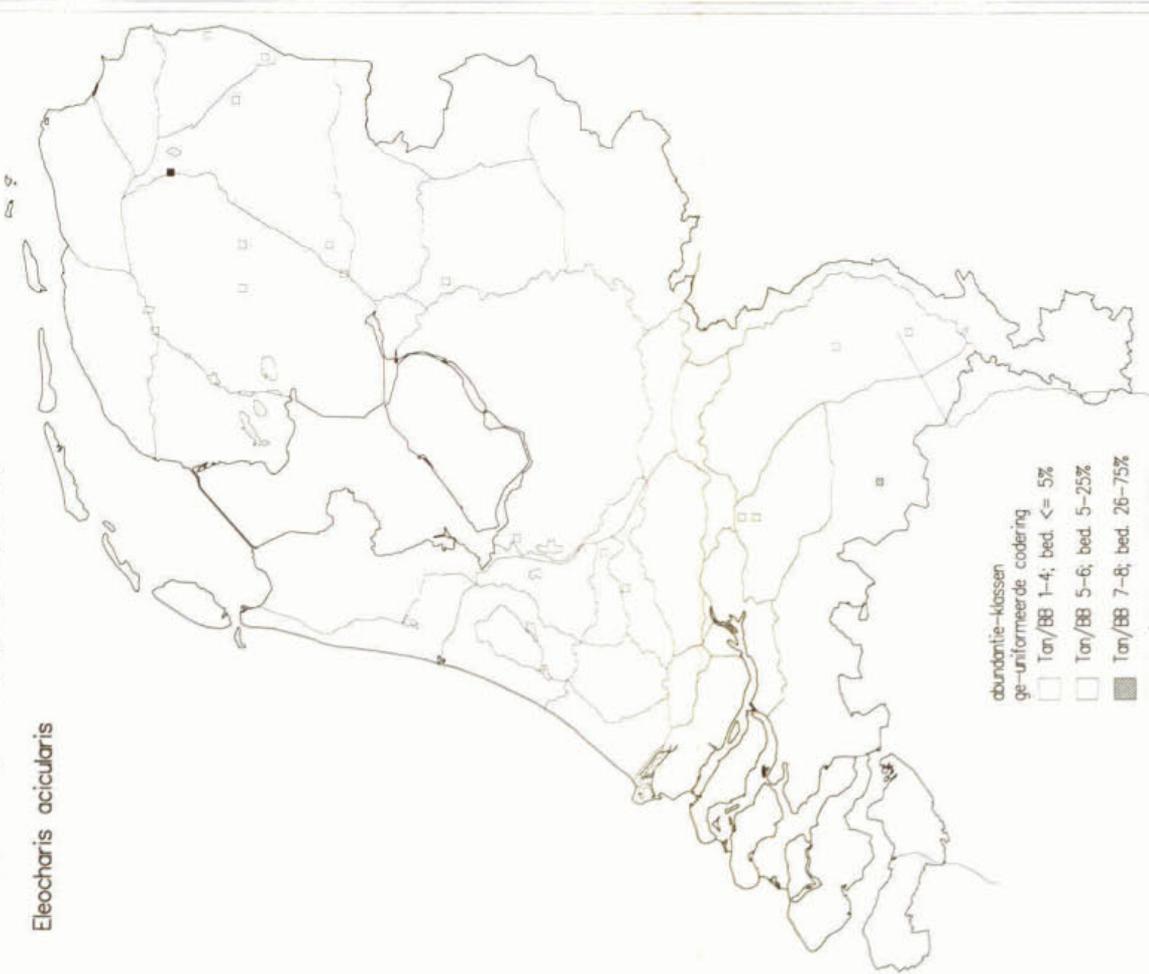
maand  Jan  Jun  Jul  Aug  100

bodesaemstelling  Zand  leen  100

watertypen  kan  meer  slo  100

Macrofyten : Spermatophyta (zaadplanten)

*Eleocharis acicularis*



abundantie-klassen  
ge-uniformeerde codering

- Ton/BB 1-4; bed. <= 5%
- Ton/BB 5-6; bed. 5-25%
- Ton/BB 7-8; bed. 26-75%
- Ton/BB 9; bed. 76-100%

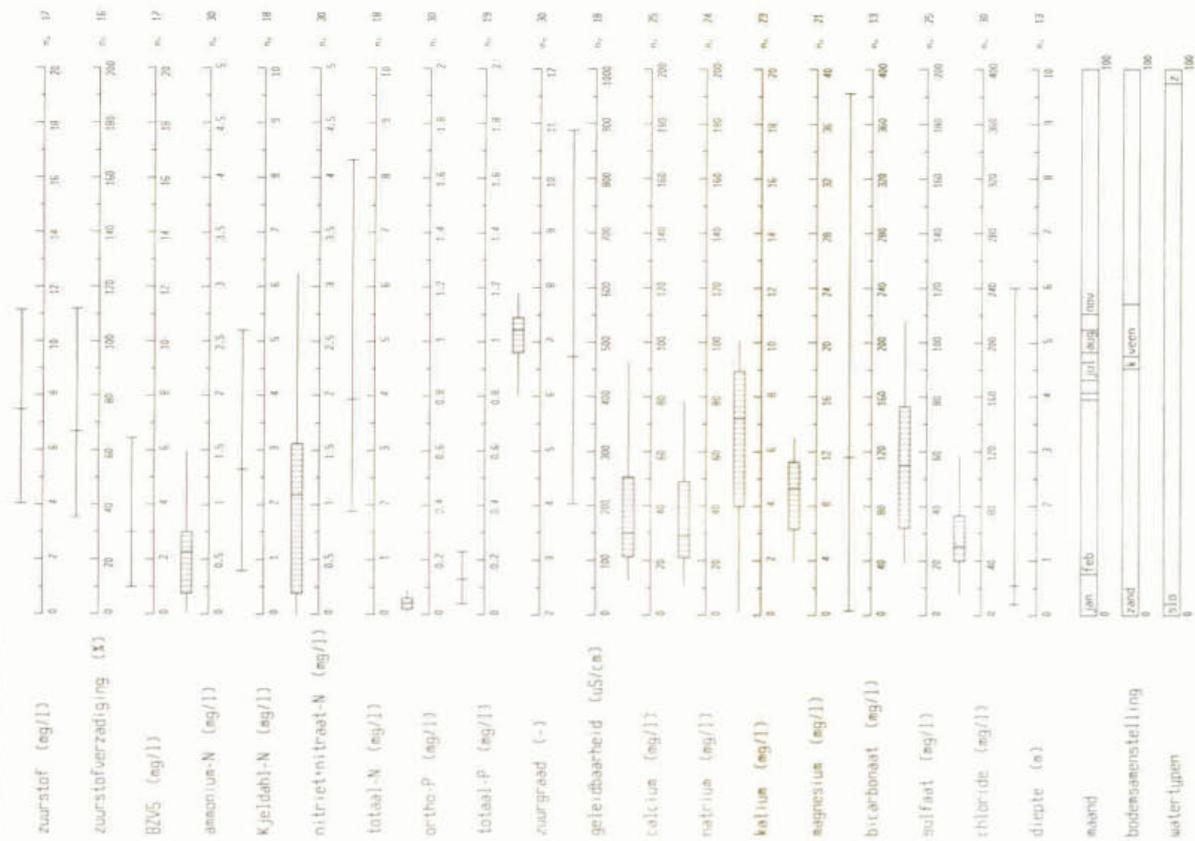
*Eleocharis acicularis*

vangsten : 34  
localities : 24  
vakken : 19

watertypen

- sloten
- stromende wateren
- strand-, grind- en kleigaten
- kanalen

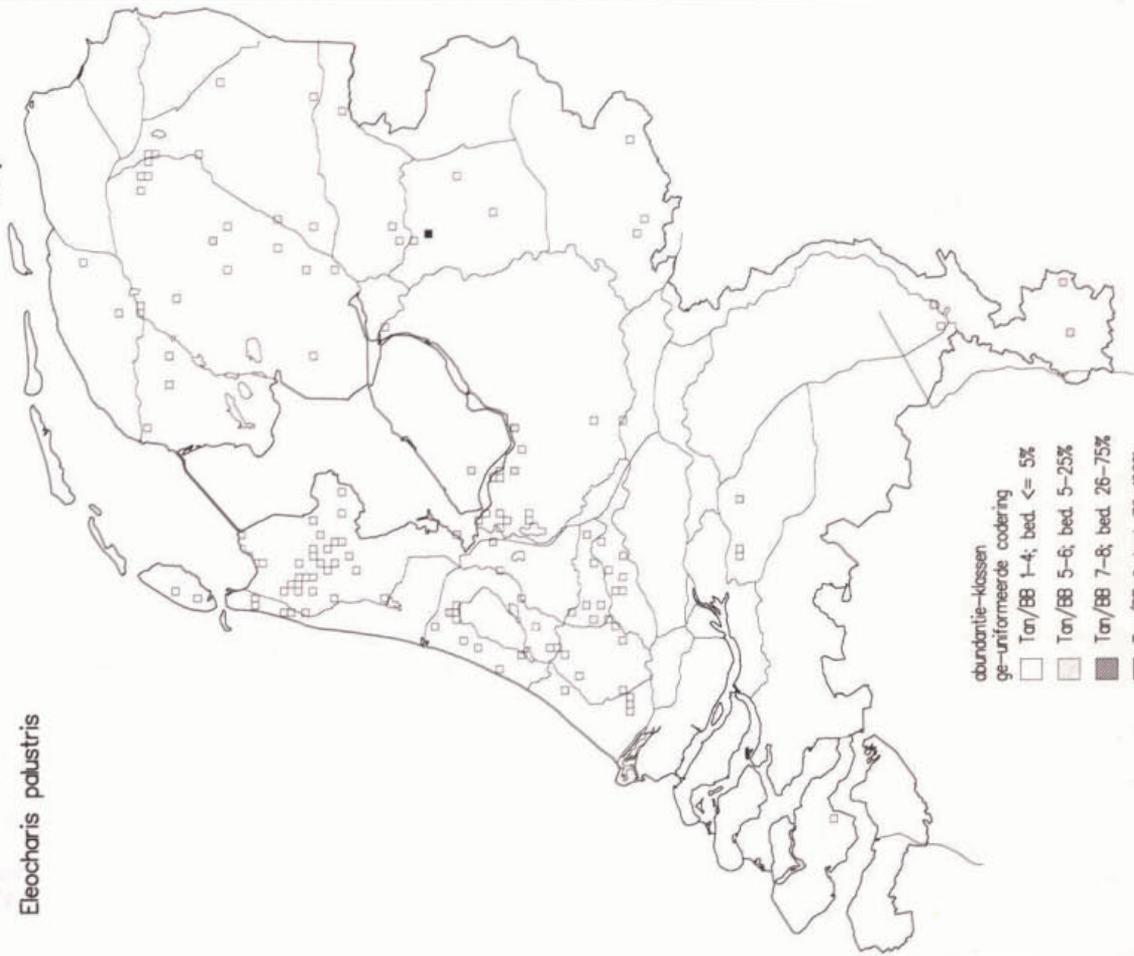
*Eleocharis acicularis*



maand	Jan	Feb	Jun	aug	nov
bodemsamenstelling	kleven				
watertypen	2				

Macrofyten : Spermatophyta (zaadplanten)

*Eleocharis palustris*



abundantie-klassen  
ge-uniforme codeding

- 1-4; bed. <= 5%
- 5-6; bed. 5-25%
- 7-8; bed. 26-75%
- 9; bed. 76-100%

**stowa**

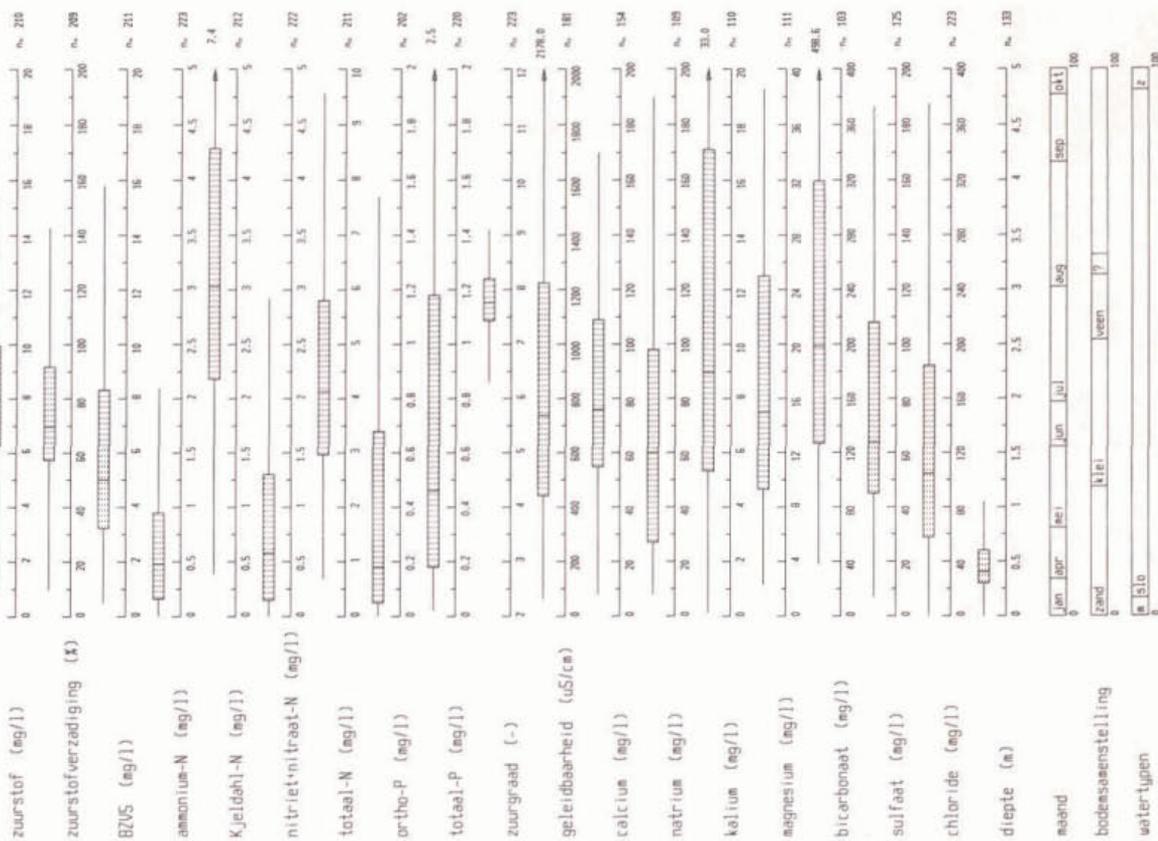
Eco-atlas van waterorganismen

*Eleocharis palustris*

vangsten : 239  
locaties : 156  
hokken : 136

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

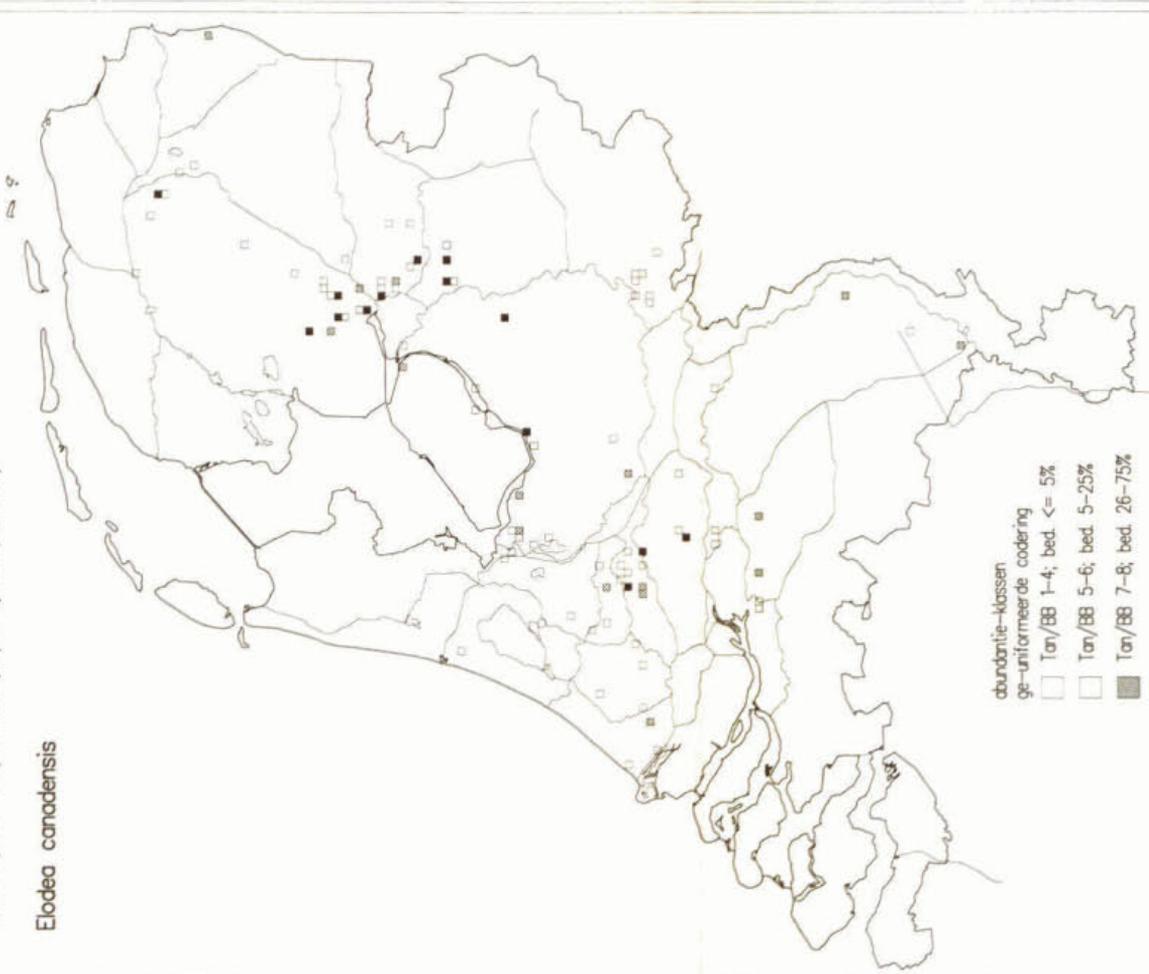
*Eleocharis palustris*



maand	Jan	Apr	Mei	Jun	Jul	Aug	Sep	Okt
bodemsamenstelling	Zand	Klei	veen	10	10	10	10	10
watertypen	1	1	1	1	1	1	1	1

Macrofyten : Spermatophyta (zaadplanten)

*Elodea canadensis*

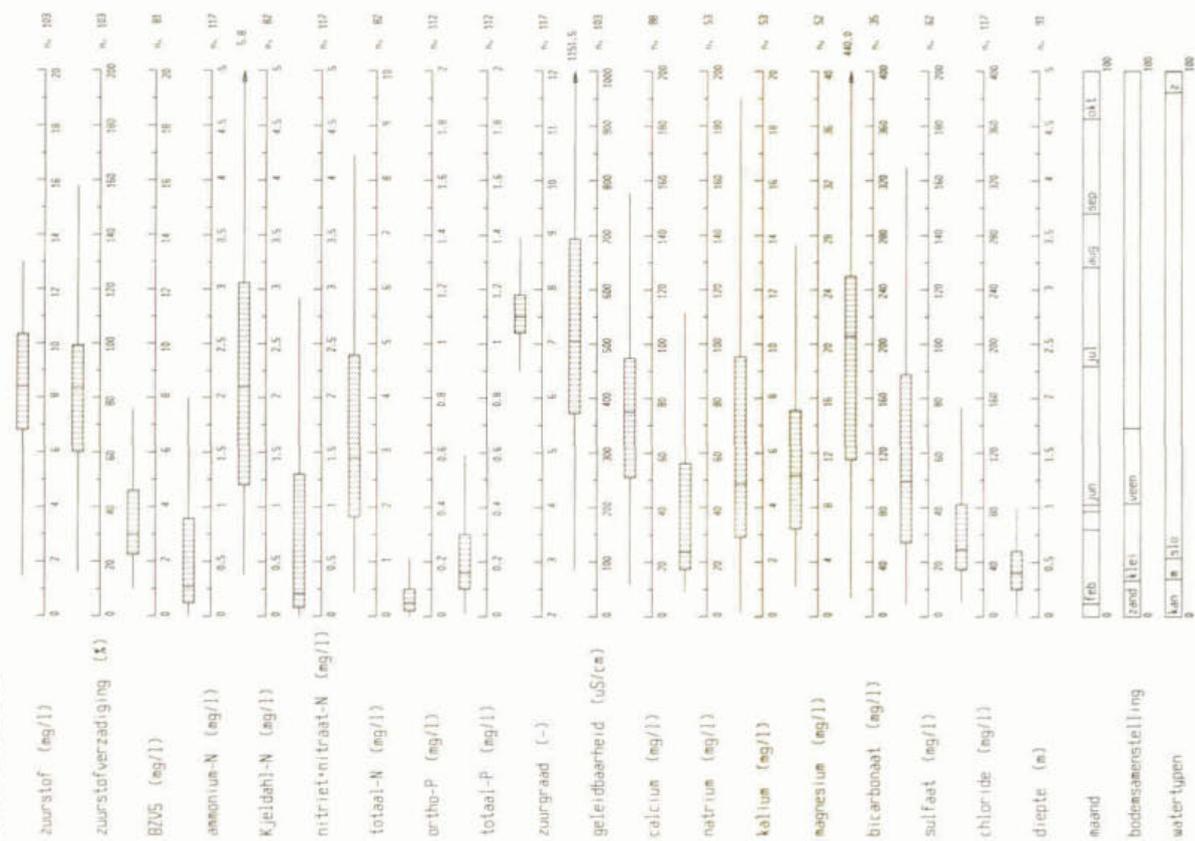


*Elodea canadensis*

- vangsten : 122  
 locaties : 123  
 hobben : 94
- wattertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 vanden



*Elodea canadensis*



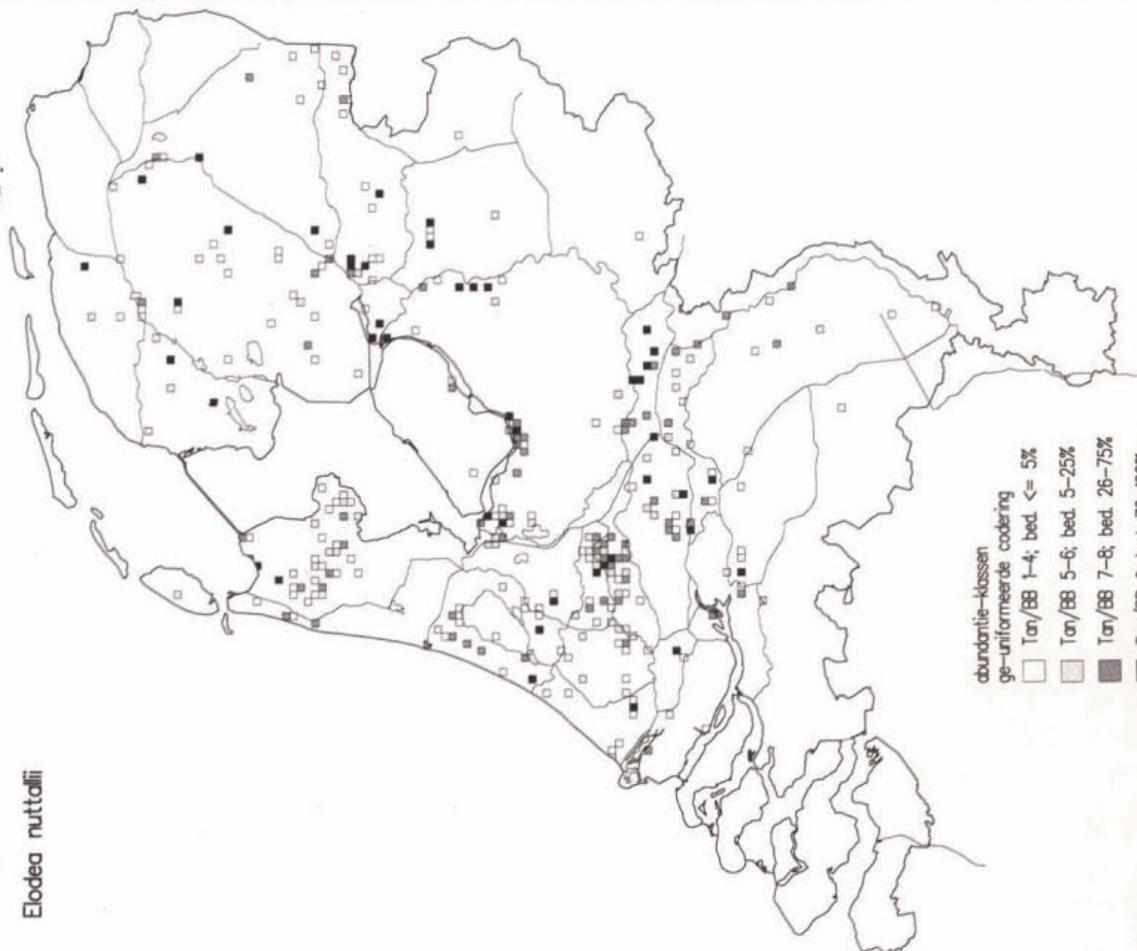
maand  feb  jun  jul  aug  sep  okt  nov

zand/klei  leem  100

kan  in  blis  100

Macrofyten : Spermatophyta (zaadplanten)

**Elodea nuttallii**



abundantie-klassen  
ge-uniformeerde codering

1σ/BB 1-4; bed. <= 5%  
 1σ/BB 5-6; bed. 5-25%  
 1σ/BB 7-8; bed. 26-75%  
 1σ/BB 9; bed. 76-100%

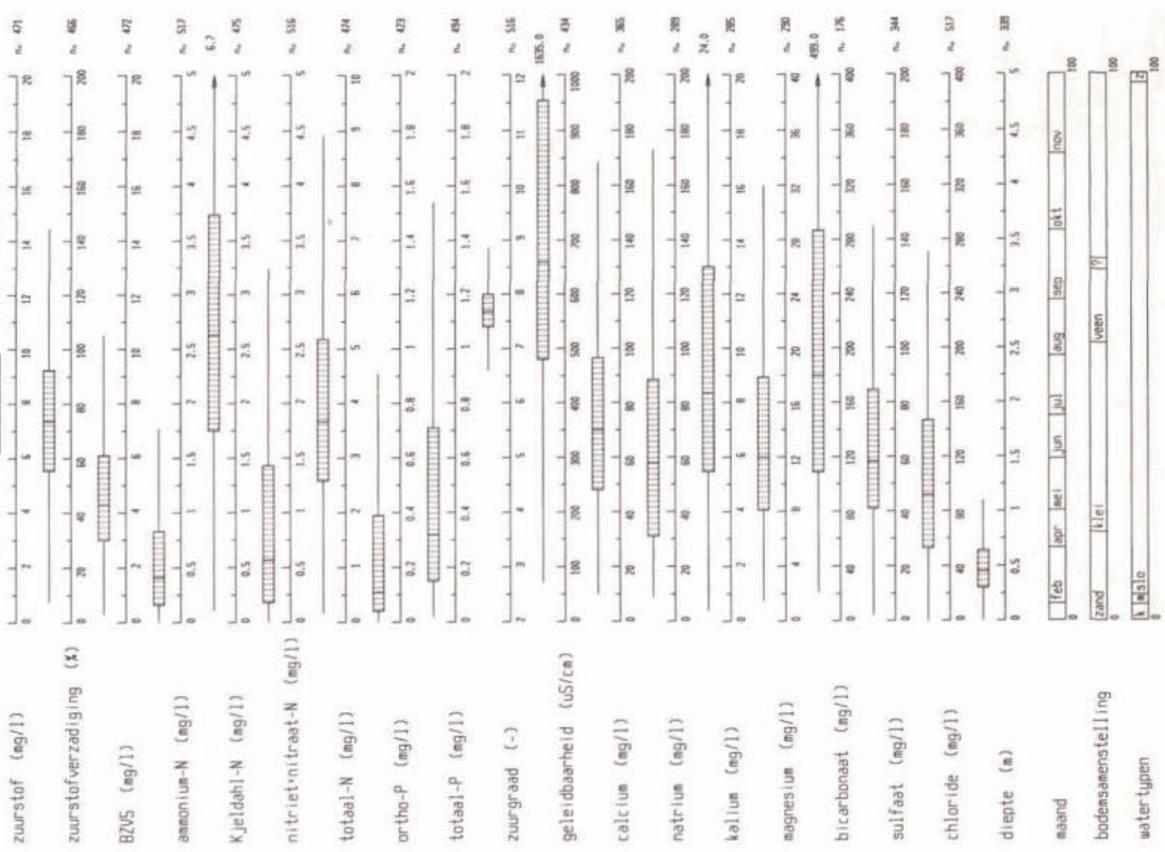
**stowa**  
Eco-atlas van waterorganismen

**Elodea nuttallii**

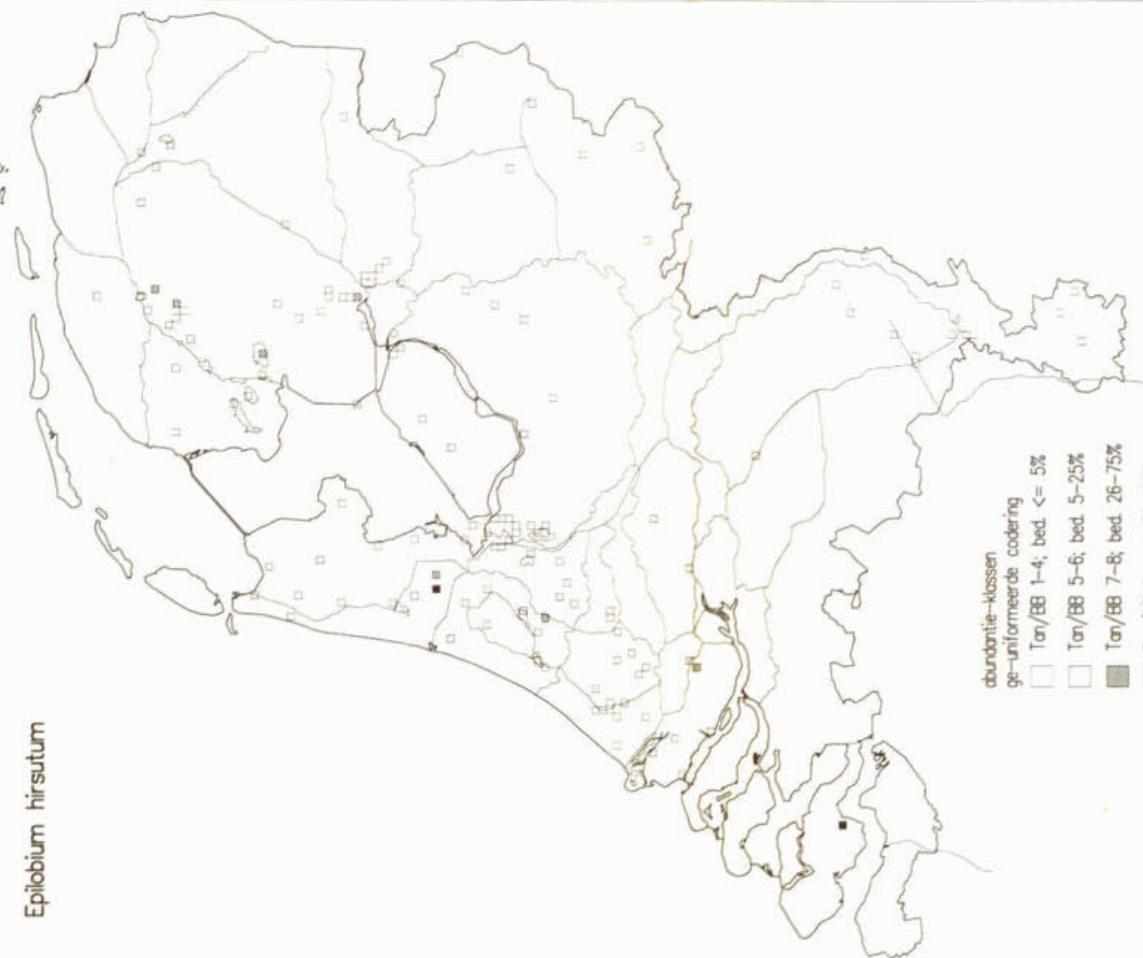
vangsten : 545  
locaties : 361  
hokken : 293

watertypen

sloten  
 stromende wateren  
 kanalen  
 meren  
 zand-, grind- en kleigaten



Macrofyten : Spermatophyta (zaadplanten)  
**Epilobium hirsutum**



abundantie-klassen  
 ge-uniformeerde codering  
 □ Ton/BB 1-4; bed. <= 5%  
 □ Ton/BB 5-6; bed. 5-25%  
 ■ Ton/BB 7-8; bed. 26-75%  
 ■ Ton/BB 9; bed. 76-100%

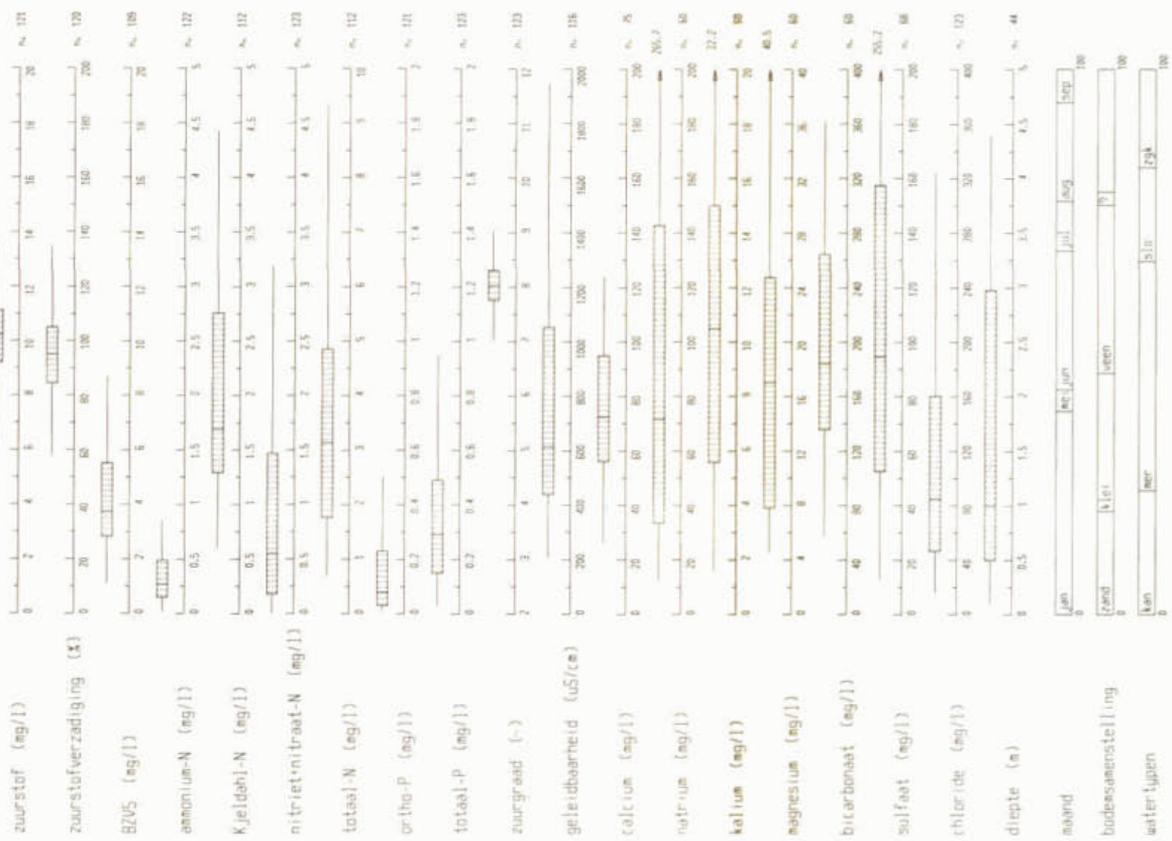
**Epilobium hirsutum**

vangsten : 50  
 locaties : 47  
 bakken : 135

watertypen  
 □ sloten  
 □ stromende wateren  
 □ zand-, grind- en kleigaten

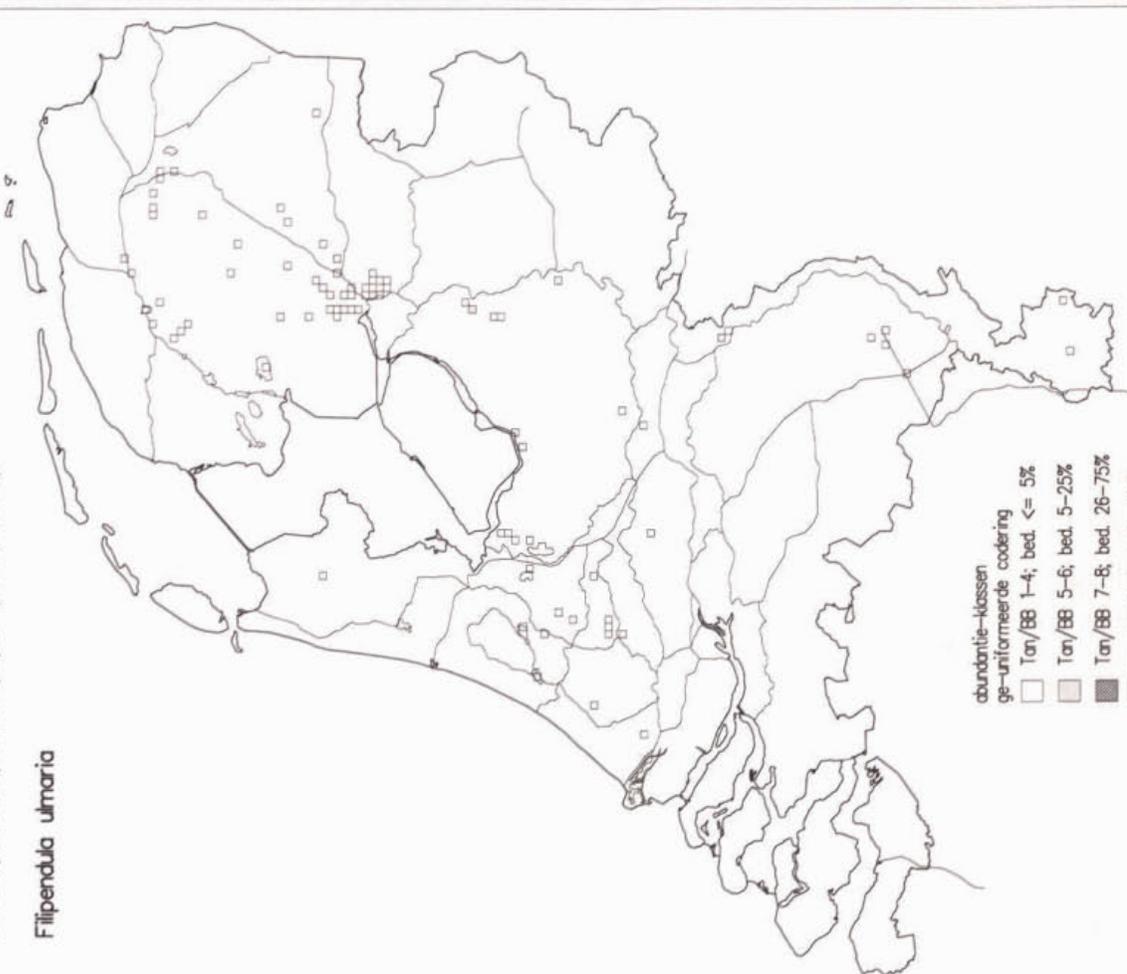
meren  
 □ zand-, grind- en kleigaten  
 □ kanalen

**Epilobium hirsutum**



Macrofyten : Spermatophyta (zaadplanten)

Filipendula ulmaria

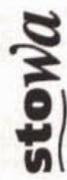


abundantie-classes  
ge-uniformeerde codering

- Ton/BB 1-4; bed. <= 5%
- Ton/BB 5-6; bed. 5-25%
- Ton/BB 7-8; bed. 26-75%
- Ton/BB 9; bed. 76-100%

watertypen  sloten  meren  
stromende wateren  zand-, grind- en kleigaten  
kanalen

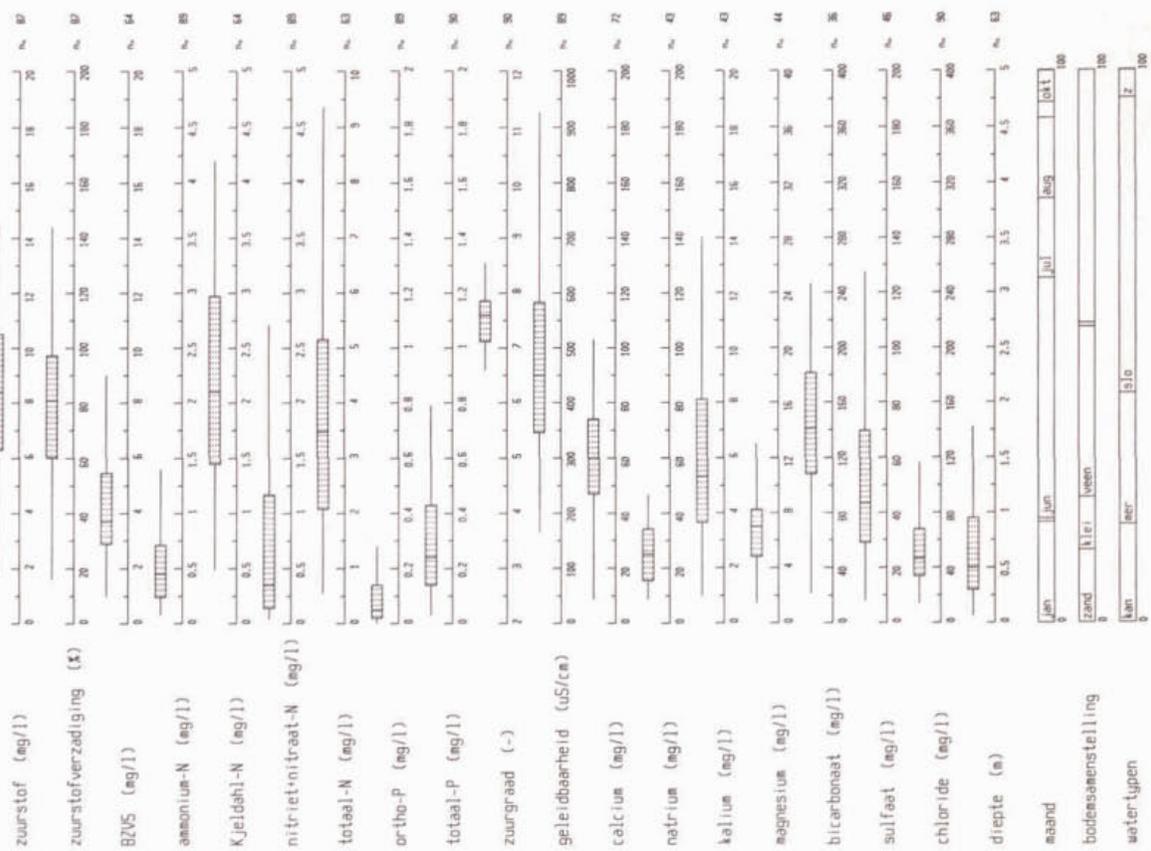
vangsten : 101  
locaties : 97  
hakken : 85



Eco-atlas van waterorganismen

Filipendula ulmaria

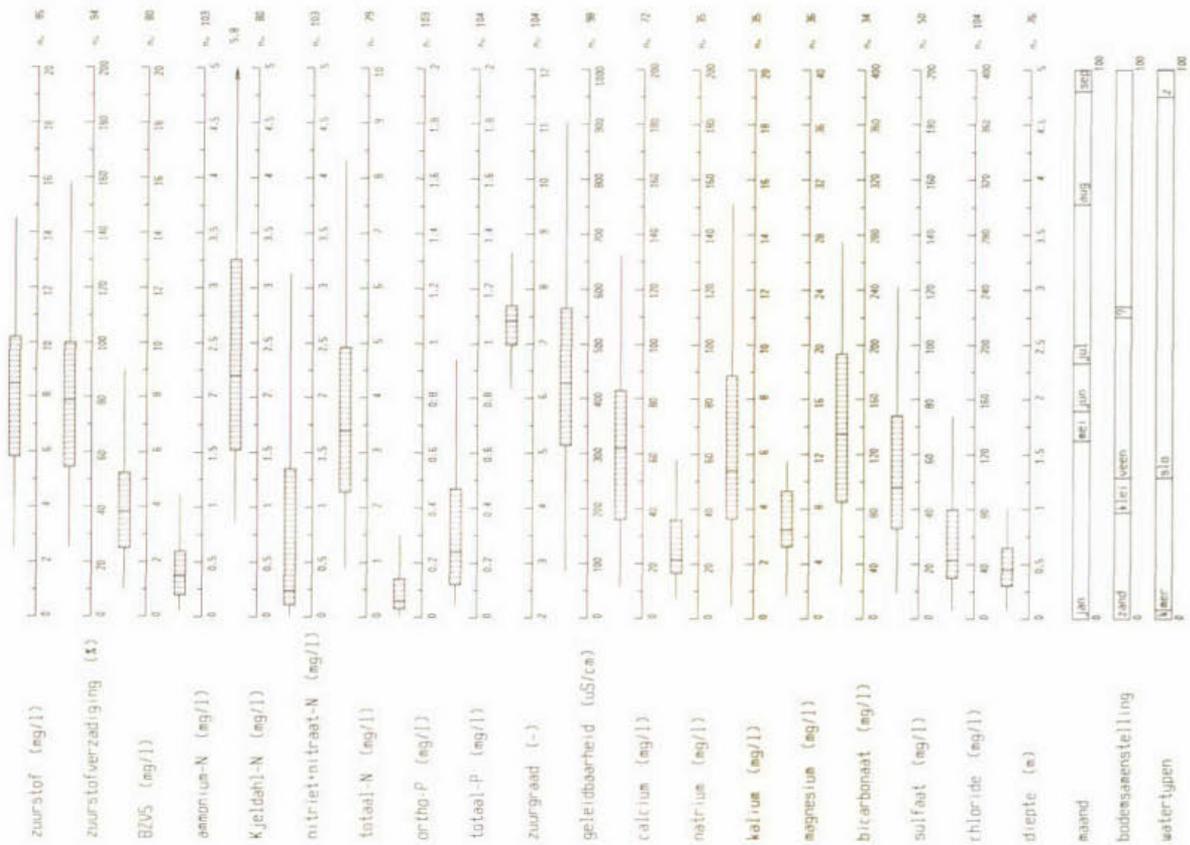
Filipendula ulmaria



jan jun jul aug okt  
zand kler veen  
kan mer slo

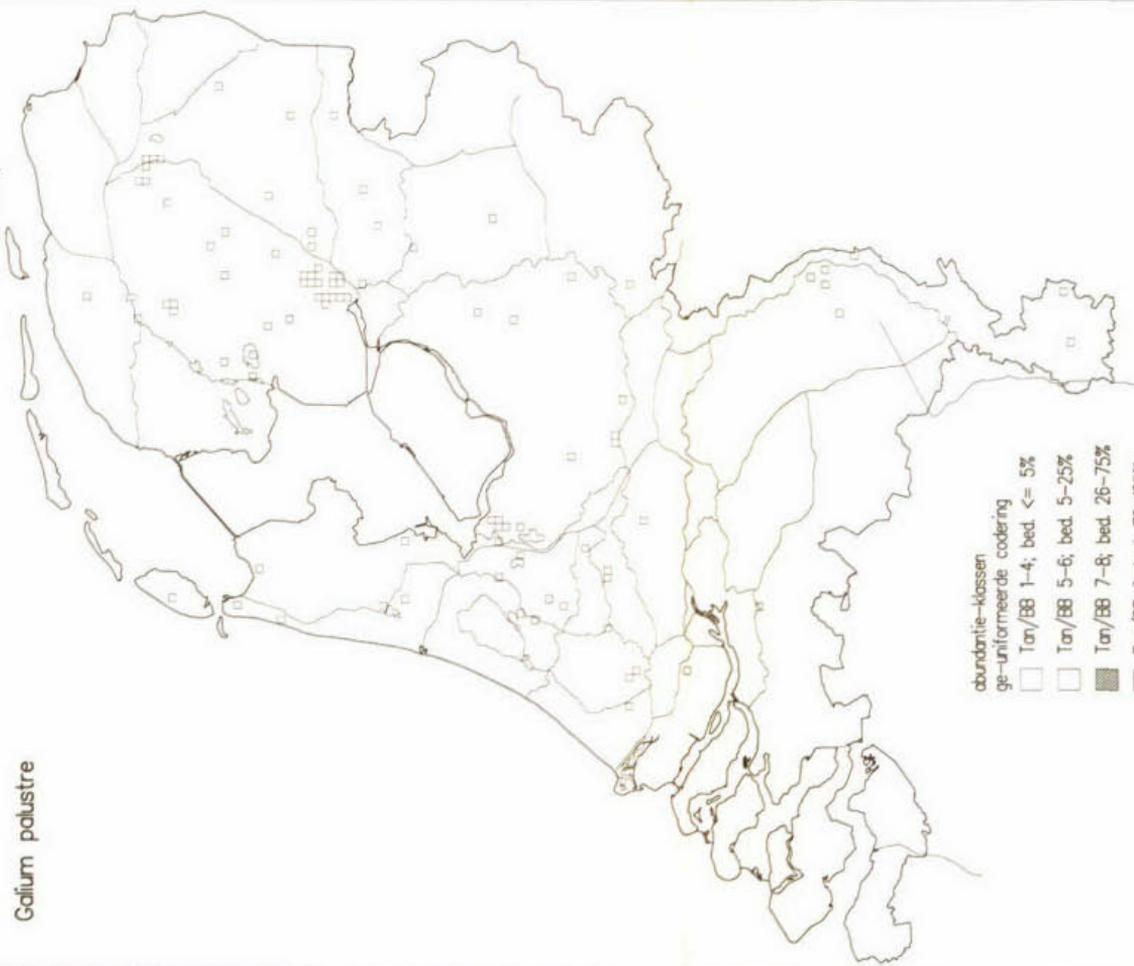
zuurstof (mg/l) n. 87  
zuurstofverzadiging (%) n. 87  
BZVS (mg/l) n. 84  
ammonium-N (mg/l) n. 85  
Kjeldahl-N (mg/l) n. 84  
nitriet/nitraat-N (mg/l) n. 85  
totaal-N (mg/l) n. 83  
ortho-P (mg/l) n. 88  
totaal-P (mg/l) n. 90  
zuurgraad (-) n. 90  
geleidbaarheid (uS/cm) n. 89  
calcium (mg/l) n. 72  
natrium (mg/l) n. 43  
kalium (mg/l) n. 43  
magnesium (mg/l) n. 44  
bicarbonaat (mg/l) n. 36  
sulfaat (mg/l) n. 46  
chloride (mg/l) n. 96  
diepte (m) n. 83  
eend  
bodemsamenstelling  
watertypen

Galium palustre



Macrofyten : Spermatophyta (zaadplanten)

Galium palustre



abundantie-klassen  
ge-uniformeerde codering  
 Ton/BB 1-4; bed. <= 5%  
 Ton/BB 5-6; bed. 5-25%  
 Ton/BB 7-8; bed. 26-75%  
 Ton/BB 9; bed. 76-100%

Galium palustre

vangsten : 121  
 locaties : 108  
 hokken : 92

watertypen  akten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

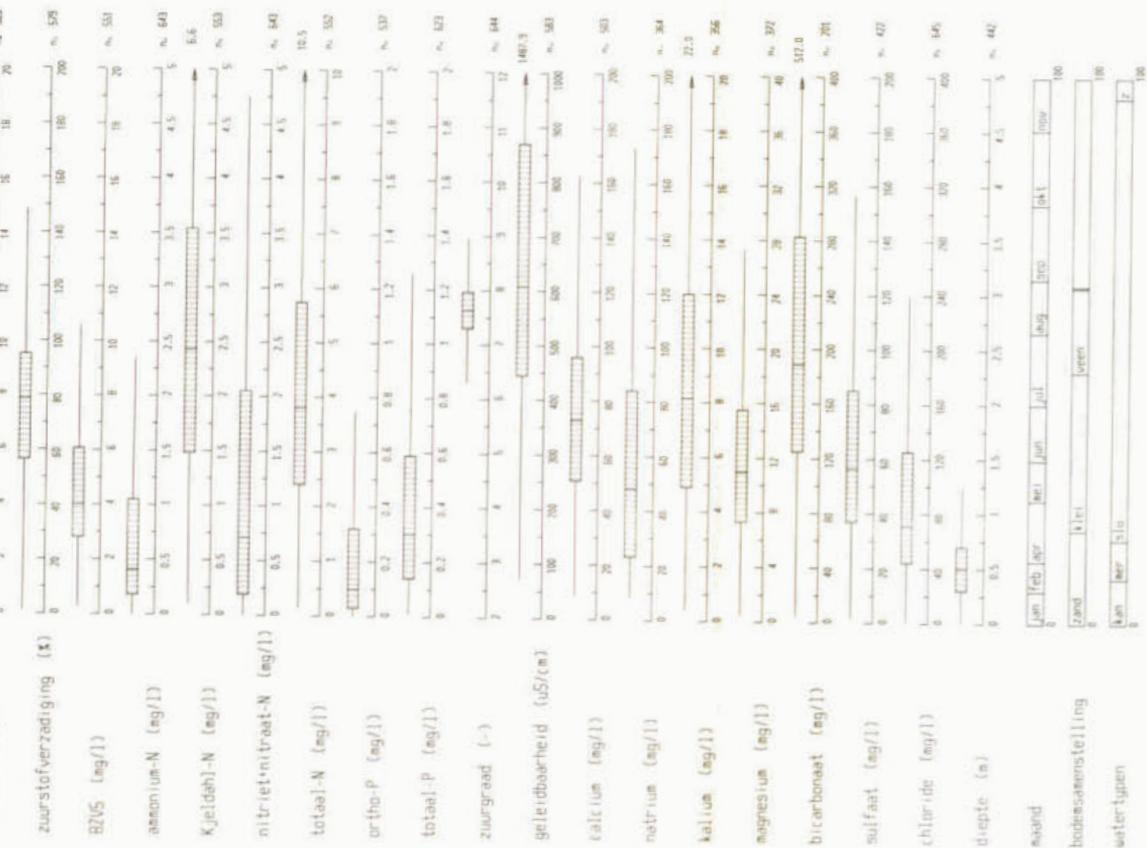


Eco-atlas van waterorganismen

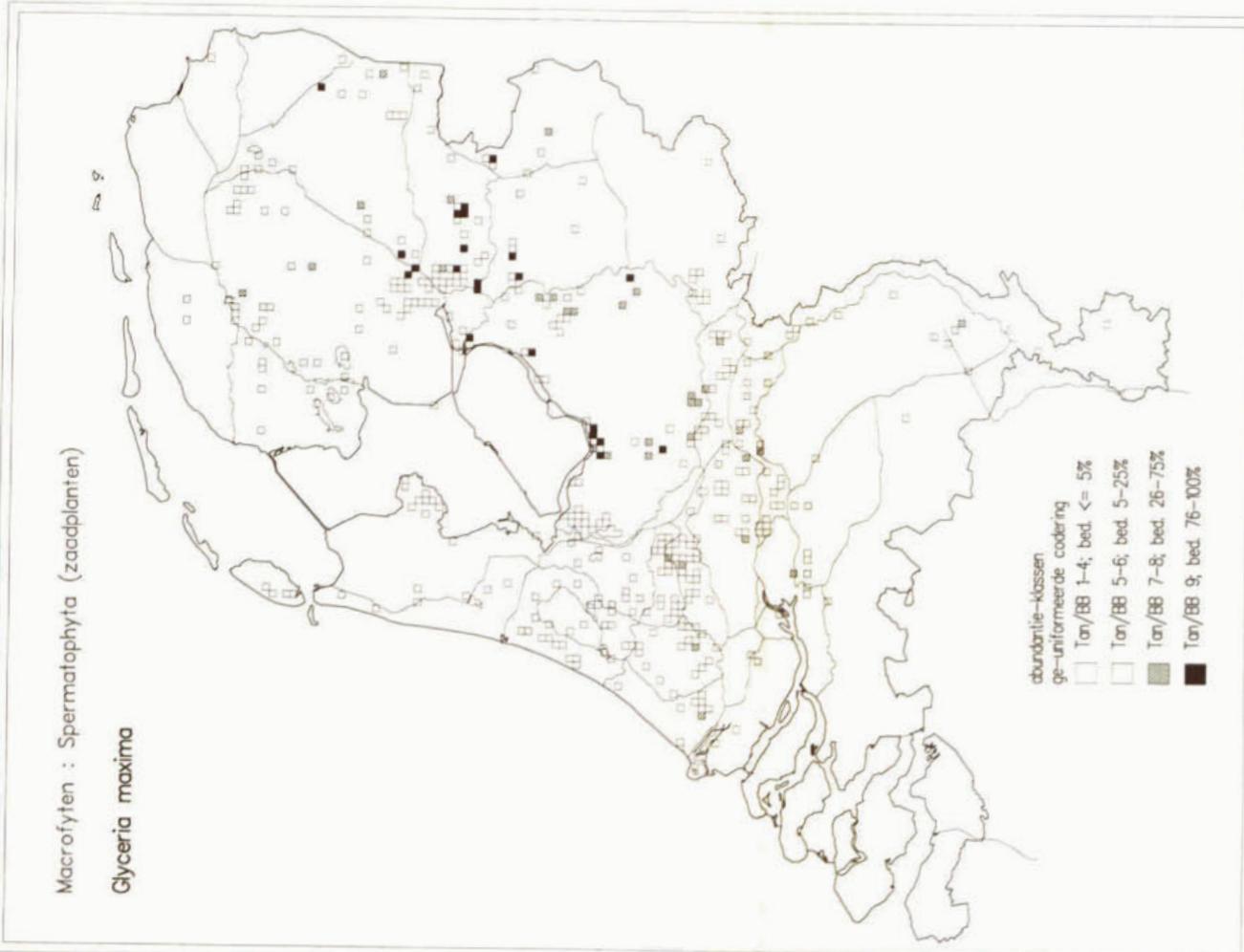


Macrofyten : Spermatophyta (zaadplanten)

*Glyceria maxima*



jan	feb	mar	apr	mei	jun	jul	aug	sep	okt	nov	dec
zand	klei	leem									
kan	meer	vlo									



abundantie-klassen  
ge-uniformeerde codering  
 □ Ton/BB 1-4; bed. <= 5%  
 ◻ Ton/BB 5-6; bed. 5-25%  
 ◻ Ton/BB 7-8; bed. 26-75%  
 ■ Ton/BB 9; bed. 76-100%

*Glyceria maxima*

vangsten : 691	watertypen	slotten	meeren
locaties : 515		stromende wateren	zand-, grind- en kleigaten
hokken : 415		kanalen	



Eco-atlas van waterorganismen

Macrofyten : Spermatophyta (zaadplanten)

Hippuris vulgaris



- abundantie-klassen  
ge-uniformeerde codering
- T<sub>an</sub>/BB 1-4; bed. ≤ 5%
  - T<sub>an</sub>/BB 5-6; bed. 5-25%
  - T<sub>an</sub>/BB 7-8; bed. 26-75%
  - T<sub>an</sub>/BB 9; bed. 76-100%

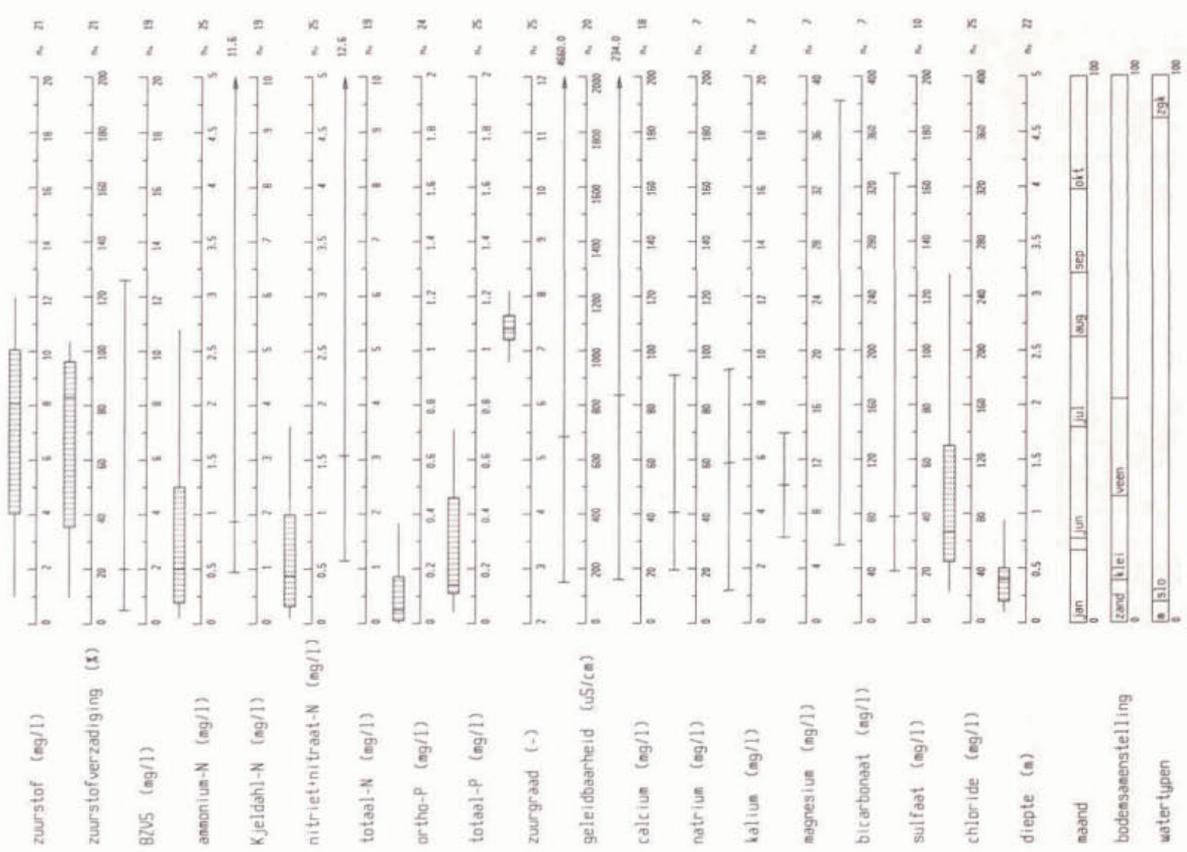
**stowa**

Eco-atlas van waterorganismen

Hippuris vulgaris

vangsten : 26	watertypen	<input checked="" type="checkbox"/> sloten	<input checked="" type="checkbox"/> meren
locaties : 24		<input type="checkbox"/> stromende wateren	<input checked="" type="checkbox"/> zand-, grind- en kleigaten
hokken : 24		<input type="checkbox"/> kanden	

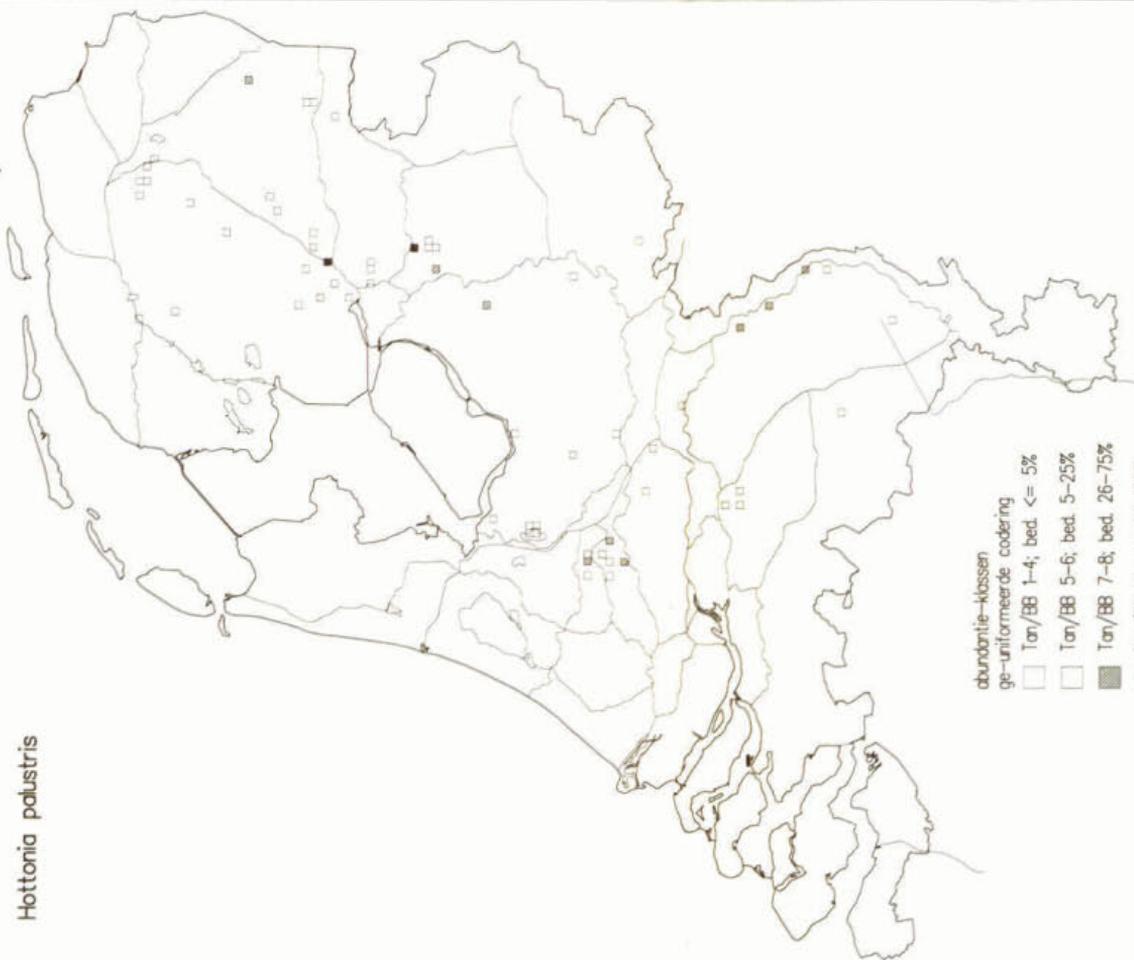
Hippuris vulgaris



maand	jan	jun	jul	aug	sep	okt
bodessaaistelling	zand, klei, veen					
watertypen	s, slo					

Macrofyten : Spermatophyta (zaadplanten)

*Hottonia palustris*



abundantie-klassen  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. <= 5%  
□ Ton/BB 5-6; bed. 5-25%  
■ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

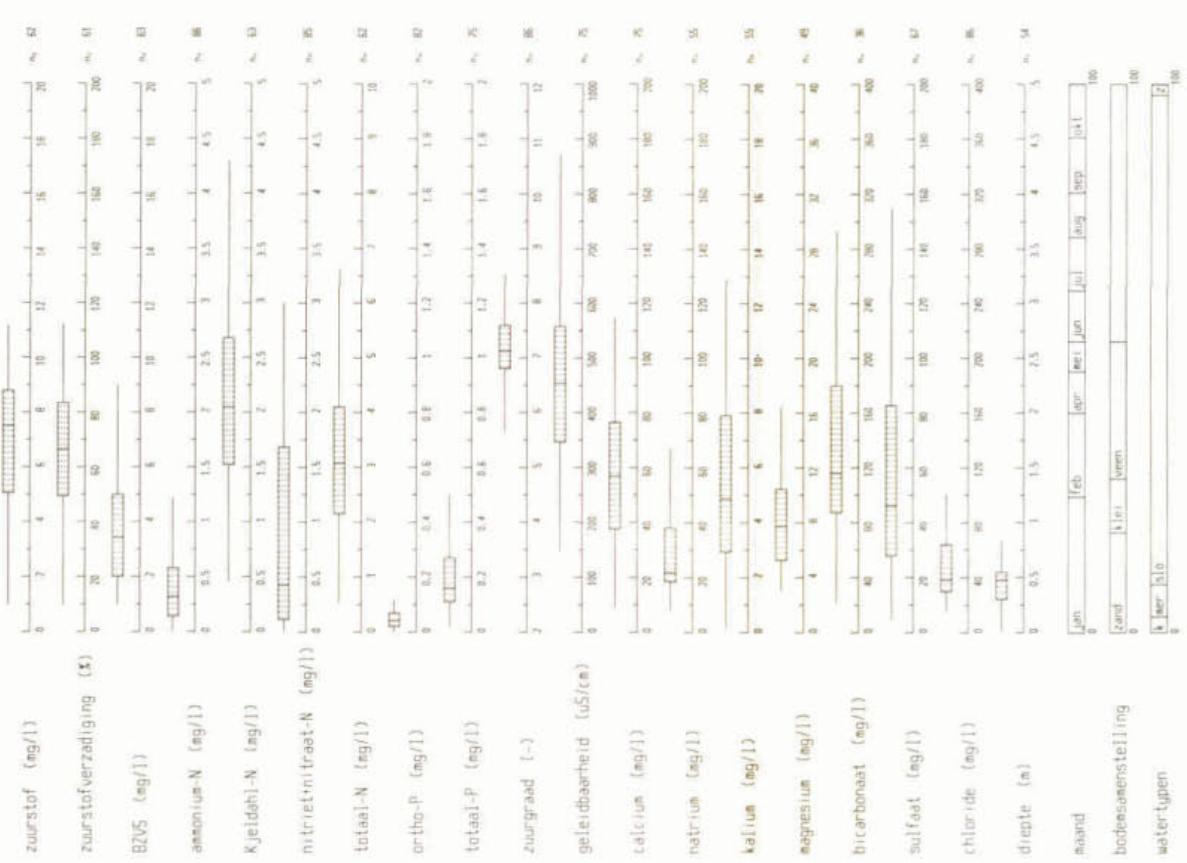
*Hottonia palustris*

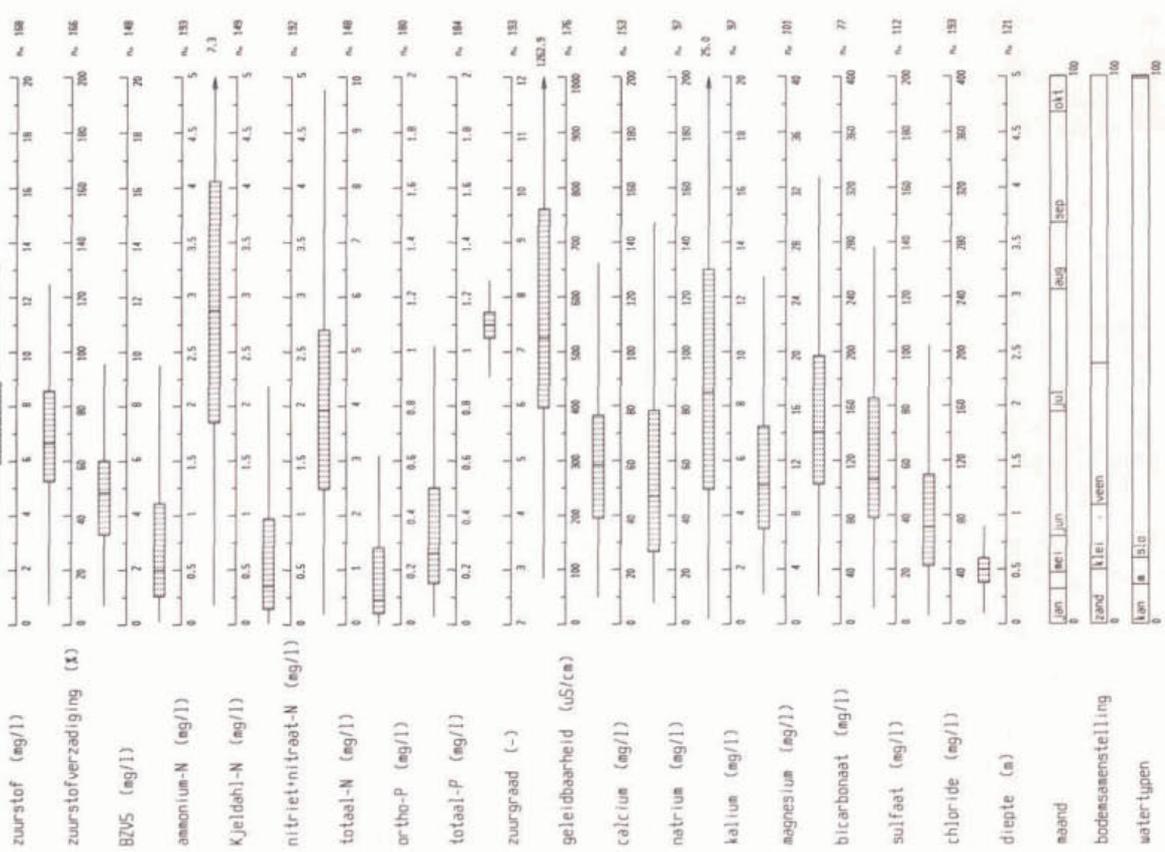
watertypen  
□ meren  
□ stromende wateren  
□ zand-, grind- en kleigaten

vangsten : 94  
locaties : 82  
hakken : 62

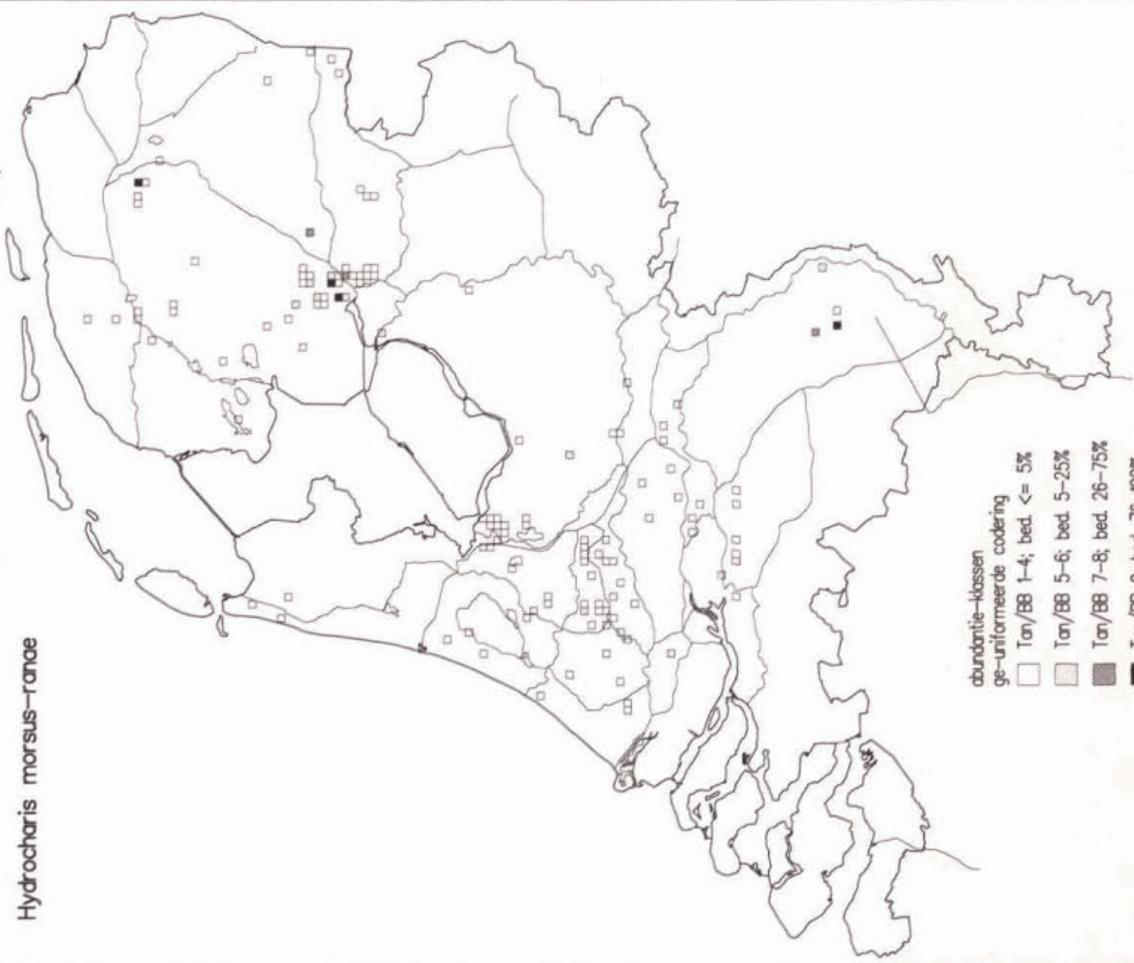
stowa  
Eco-atlas van waterorganismen

*Hottonia palustris*





Macrofyten : Spermatophyta (zaadplanten)  
 Hydrocharis morsus-ranae



abundantie-klassen  
 ge-uniformeerde codering  
 □ Ton/BB 1-4; bed. <= 5%  
 ▤ Ton/BB 5-6; bed. 5-25%  
 ▨ Ton/BB 7-8; bed. 26-75%  
 ■ Ton/BB 9; bed. 76-100%

**stowa**  
 Eco-atlas van waterorganismen

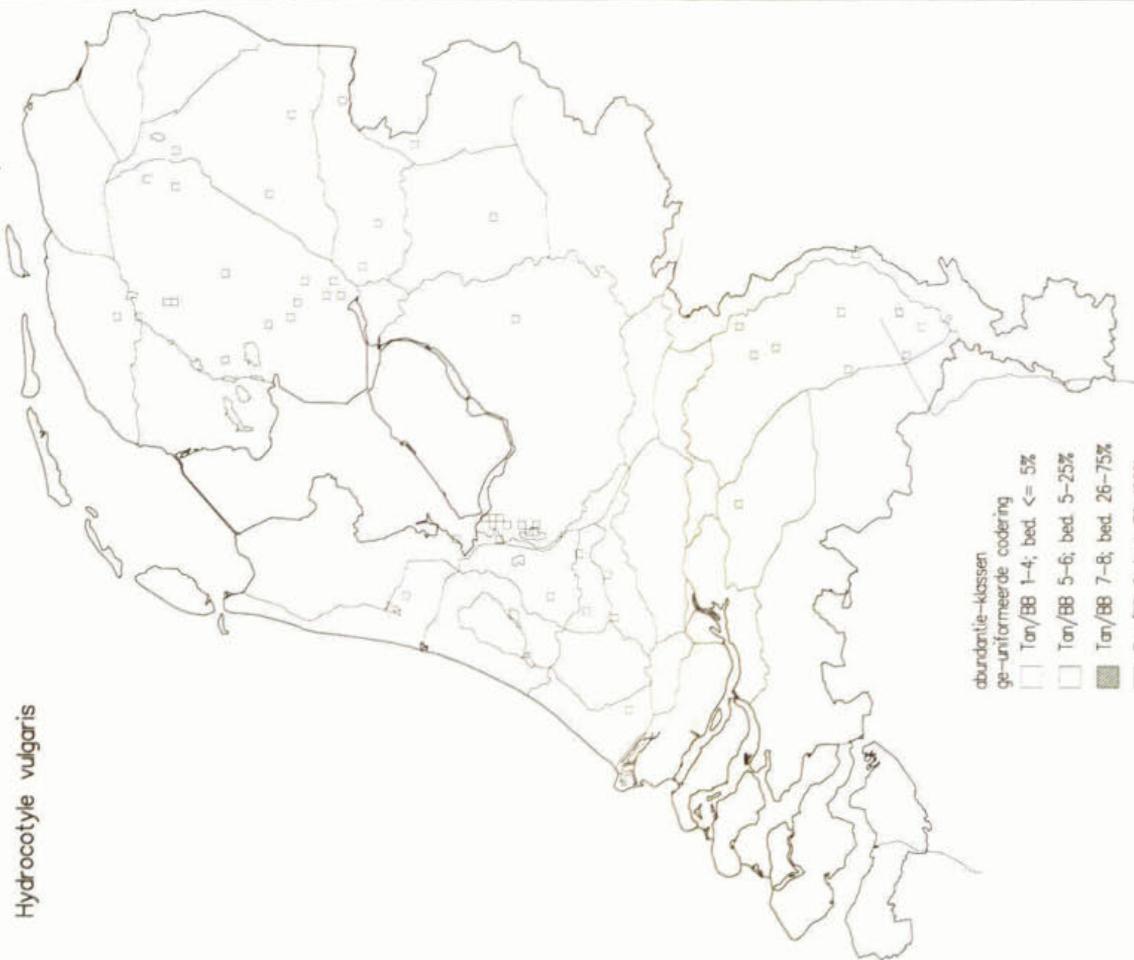
Hydrocharis morsus-ranae

vangsten : 203  
 localities : 164  
 hokken : 132

waterlopen  sloten  meren   
 stromende wateren  zand-, grind- en kleigaten   
 kanden

Macrofyten : Spermatophyta (zadplanten)

Hydrocotyle vulgaris



abundantie-klassen  
ge-uniformeerde codering

- Tan/BB 1-4; bed. <= 5%
- Tan/BB 5-6; bed. 5-25%
- Tan/BB 7-8; bed. 26-75%
- Tan/BB 9; bed. 76-100%

Hydrocotyle vulgaris

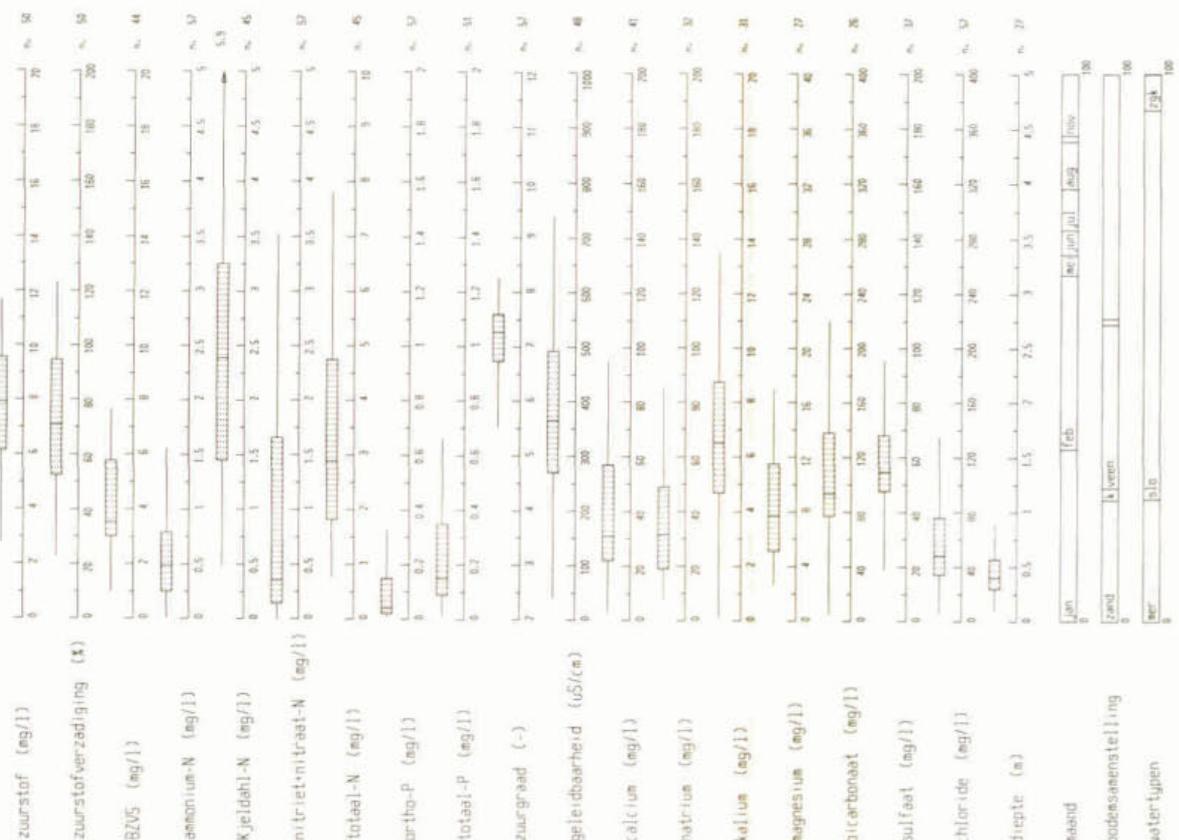
vangsten : 70  
locaties : 64  
hokken : 52

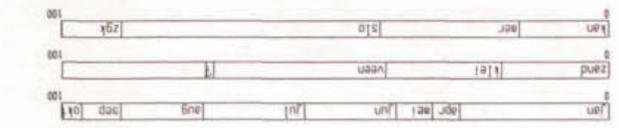
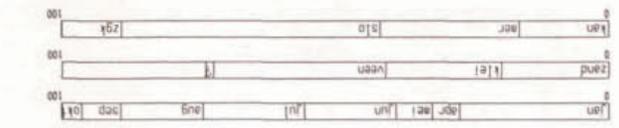
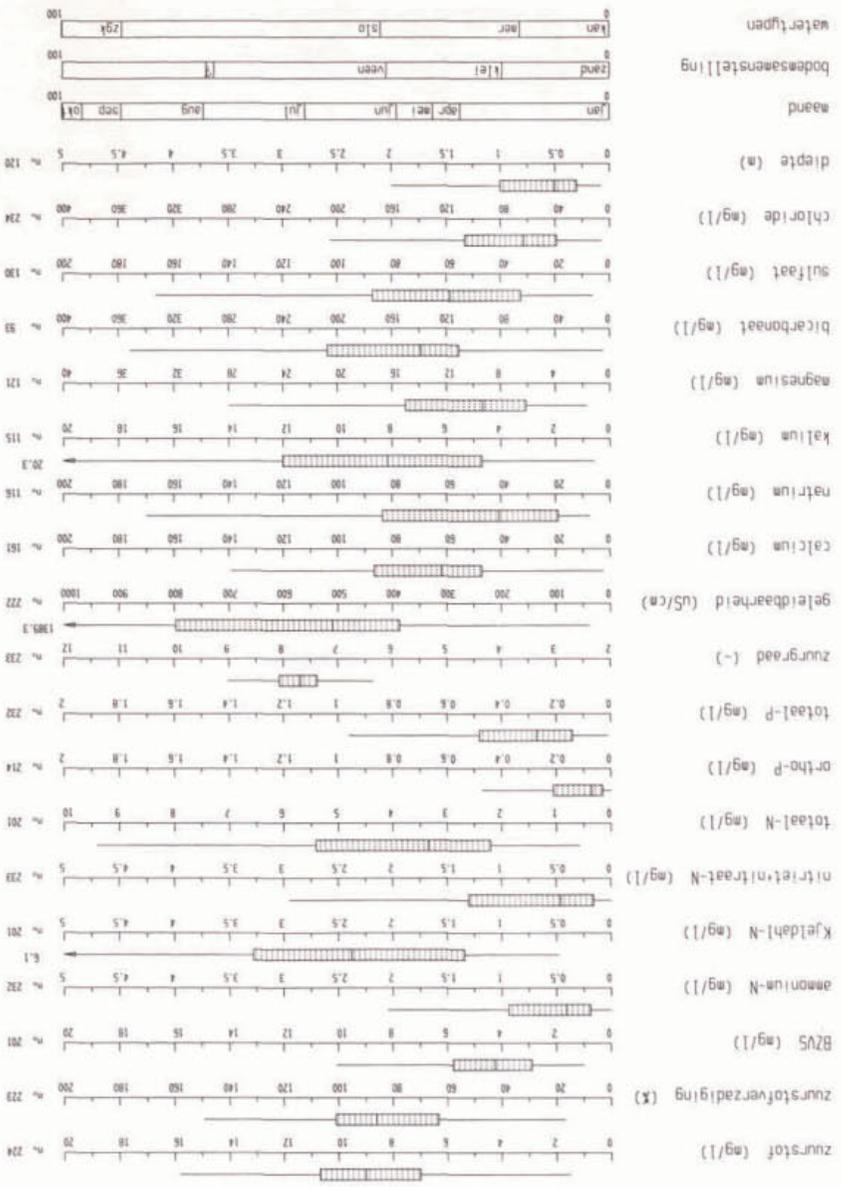
watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

Eco-atlas van waterorganismen

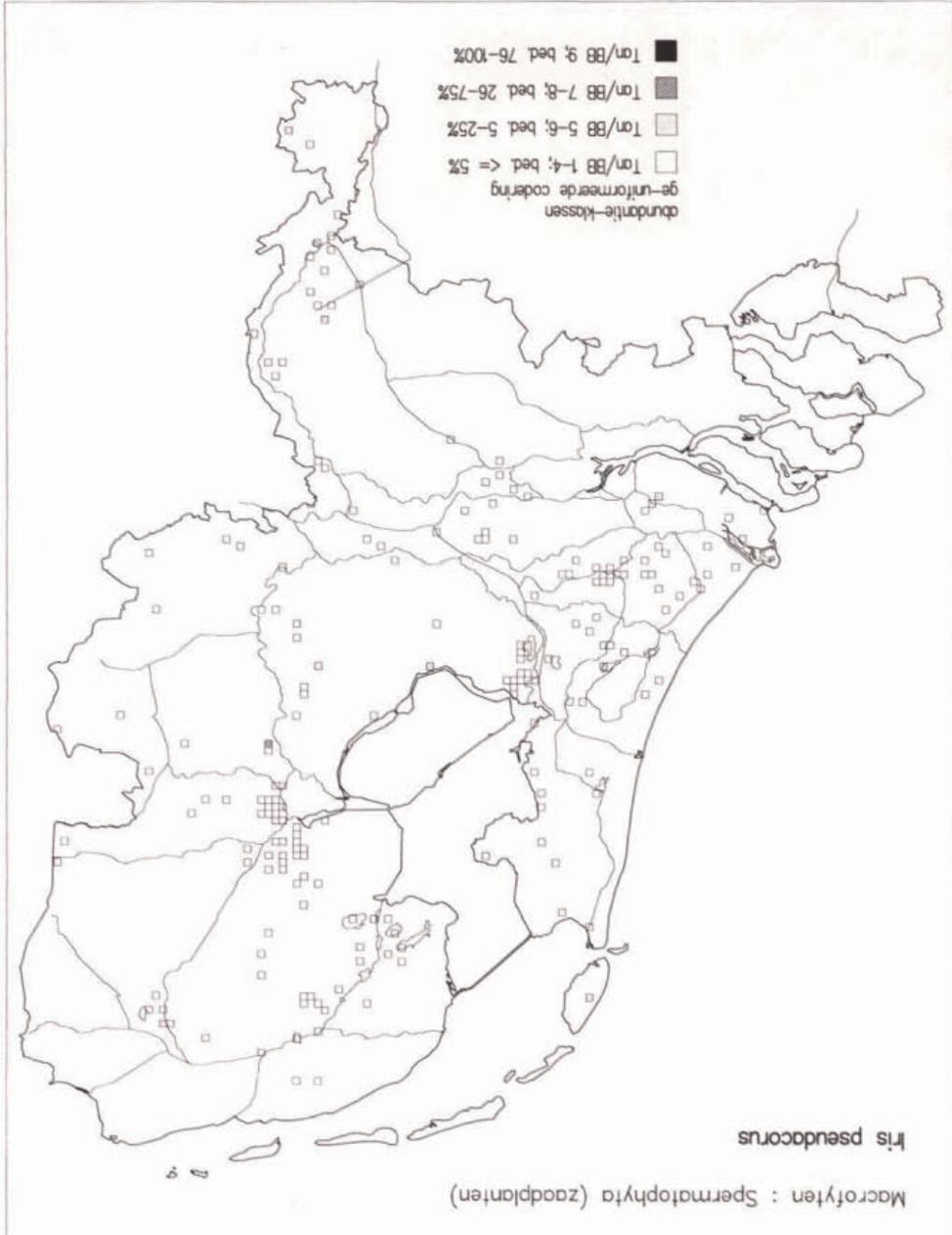
**stowa**

Hydrocotyle vulgaris





Eco-atlas van waterorganismen  
**stowa**  
 vangsten : 258  
 water-typen  sloten  meren  
 locaties : 223  
 stromende wateren  zand-, grind- en  
 hokken : 199  
 kanden  keigaten

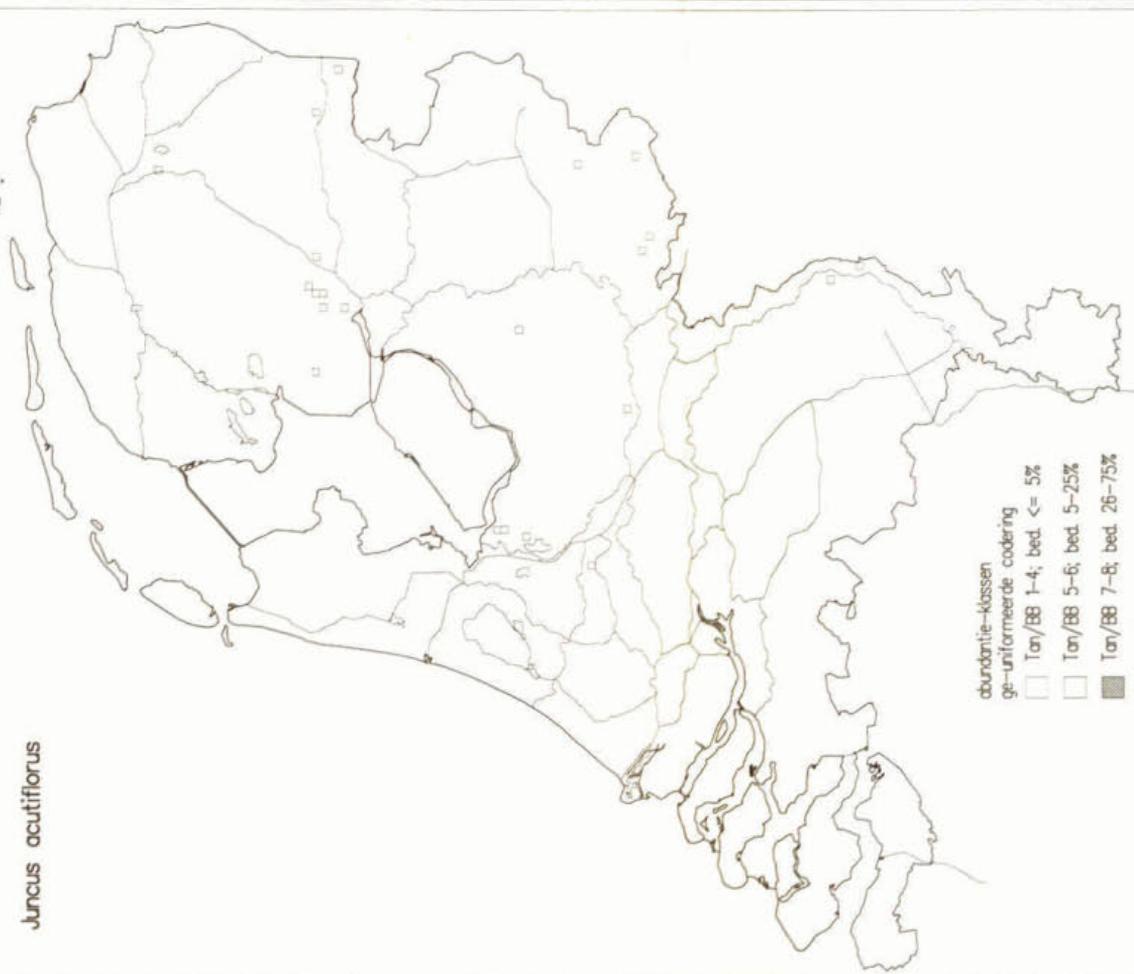


Macrofyten : Spermatophyta (zaadplanten)

Iris pseudacorus

Macrofyten : Spermatophyta (zadplanten)

**Juncus acutiflorus**



abundantie-klassen  
ge-uniformeerde codering  
 1 Tan/BB 1-4; bed. <= 5%  
 2 Tan/BB 5-6; bed. 5-25%  
 3 Tan/BB 7-8; bed. 26-75%  
 4 Tan/BB 9; bed. 76-100%

Juncus acutiflorus

vangsten : 24  
 locaties : 24  
 hokken : 23

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en  
 kanden  Meigaten

Juncus acutiflorus

zuurstof (mg/l)



zuurstofverzadiging (%)



BZVS (mg/l)



ammonium-N (mg/l)



Kjeldahl-N (mg/l)



nitriet/nitraat-N (mg/l)



totaal-N (mg/l)



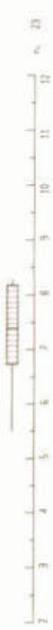
ortho-P (mg/l)



totaal-P (mg/l)



zuurgraad (-)



geleidbaarheid (uS/cm)



calcium (mg/l)



natrium (mg/l)



kalium (mg/l)



magnesium (mg/l)



bicarbonaat (mg/l)



sulfaat (mg/l)



chloride (mg/l)



diepte (m)



maand



bodemaanstelling

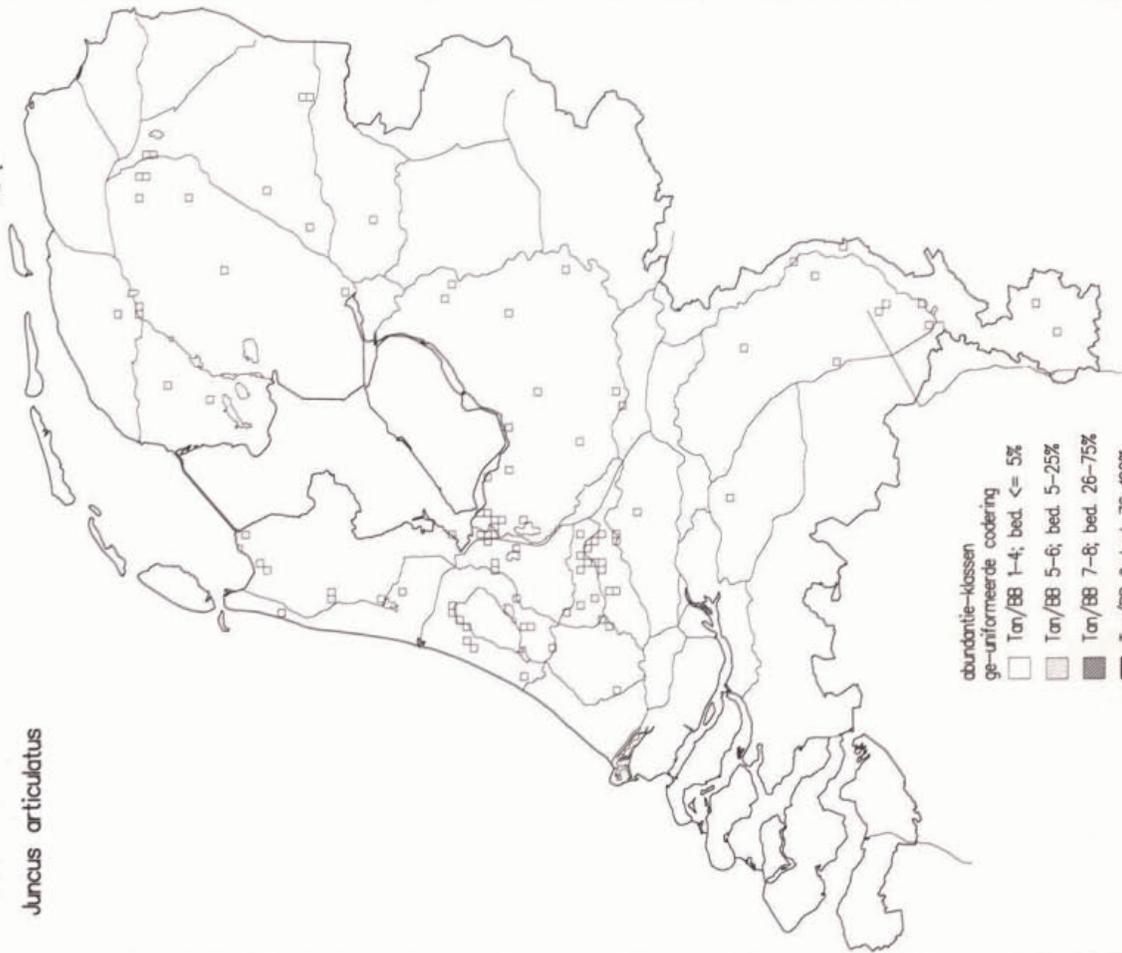


watertypen



Macrofyten : Spermatophyta (zaadplanten)

**Juncus articulatus**



abundantie-klassen  
ge-uniformeerde codering  
□ T0n/BB 1-4; bed. <= 5%  
▒ T0n/BB 5-6; bed. 5-25%  
▓ T0n/BB 7-8; bed. 26-75%  
■ T0n/BB 9; bed. 76-100%

**Juncus articulatus**

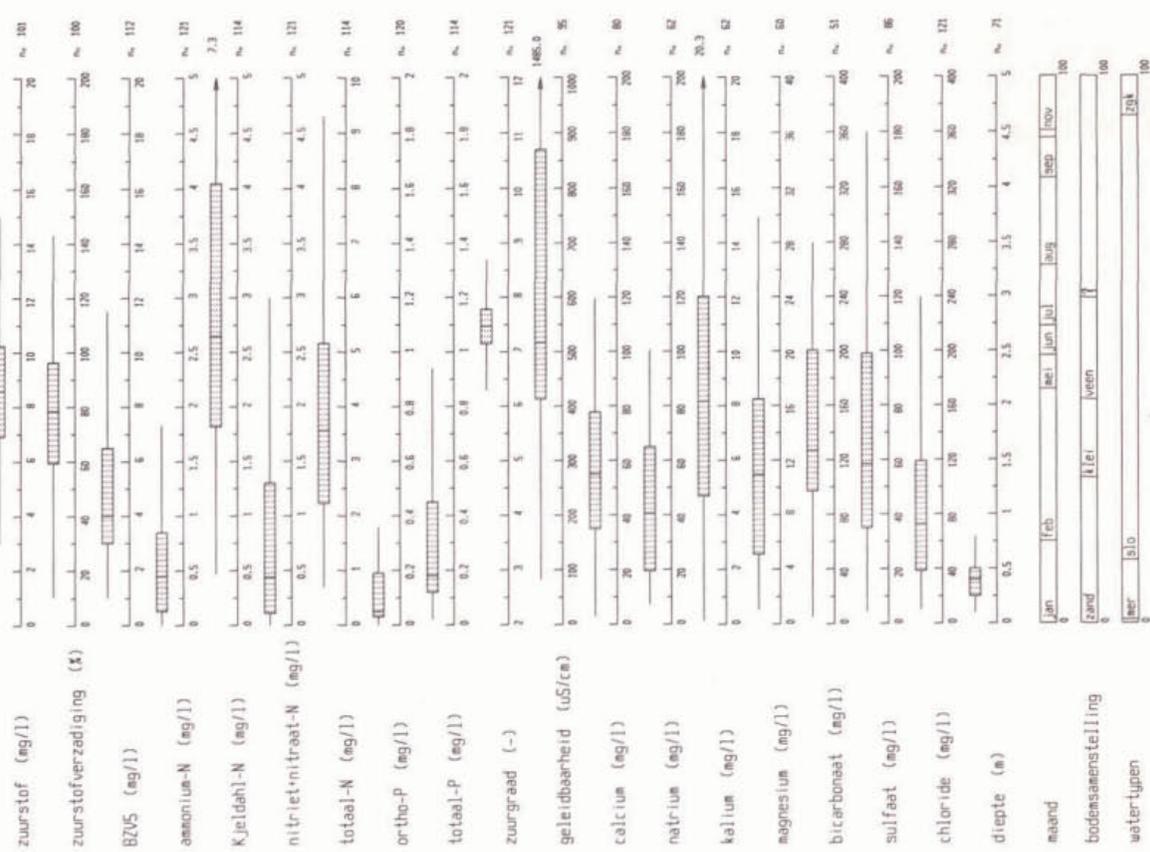
vangsten : 133  
localities : 114  
hokken : 96

watertypen  
□ sloten  
▒ stromende wateren  
▓ konden

meren  
zand-, grind- en  
kleigaten

**stowa**

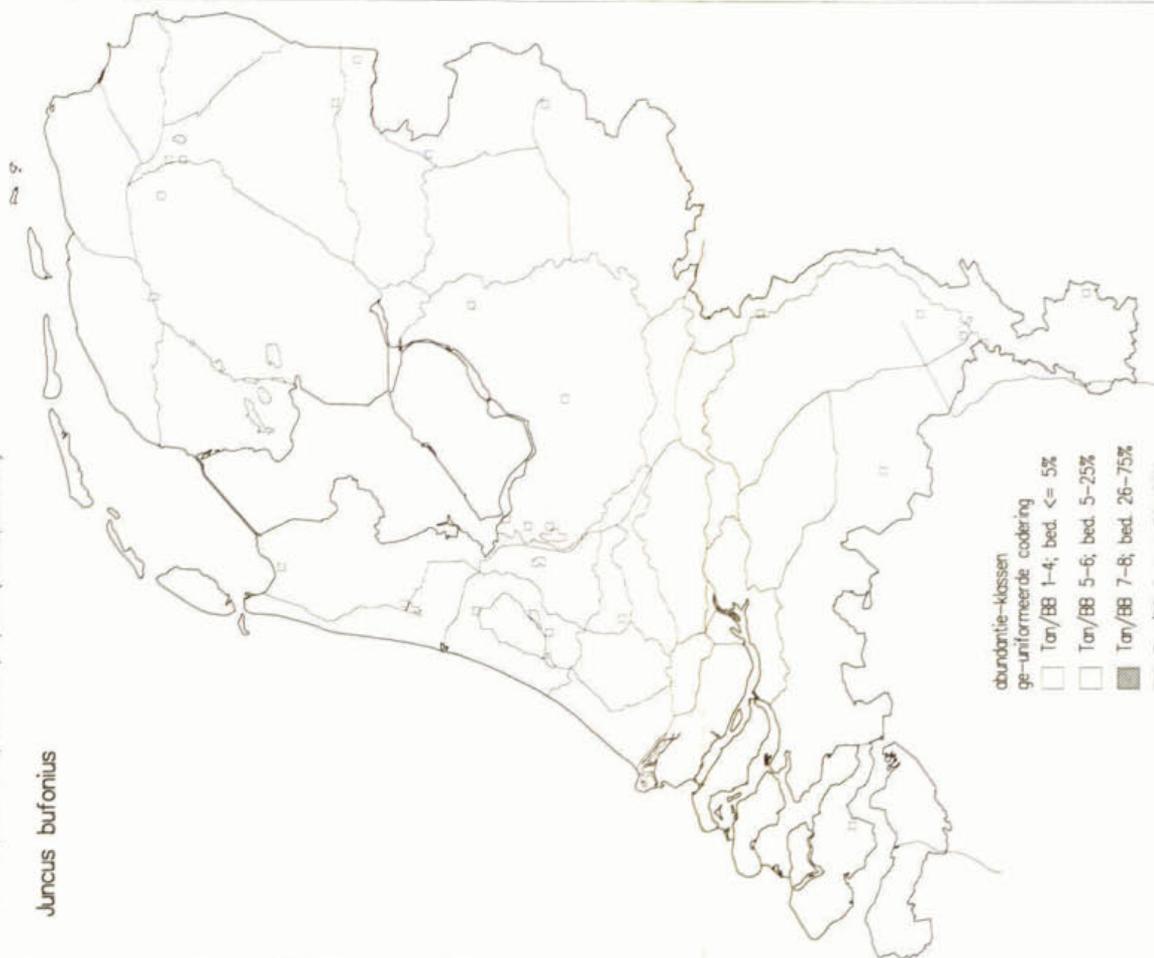
Eco-atlas van waterorganismen



maand  
Jan Feb Mar Jun Jul Aug Sep Nov  
zand Meri veen  
meer slo

Macrofyten : Spermatophyta (zaadplanten)

**Juncus bufonius**



abundantie-klassen  
ge-uniformeerde codering  
 Ton/BB 1-4; bed. <= 5%  
 Ton/BB 5-6; bed. 5-25%  
 Ton/BB 7-8; bed. 26-75%  
 Ton/BB 9; bed. 76-100%

Juncus bufonius

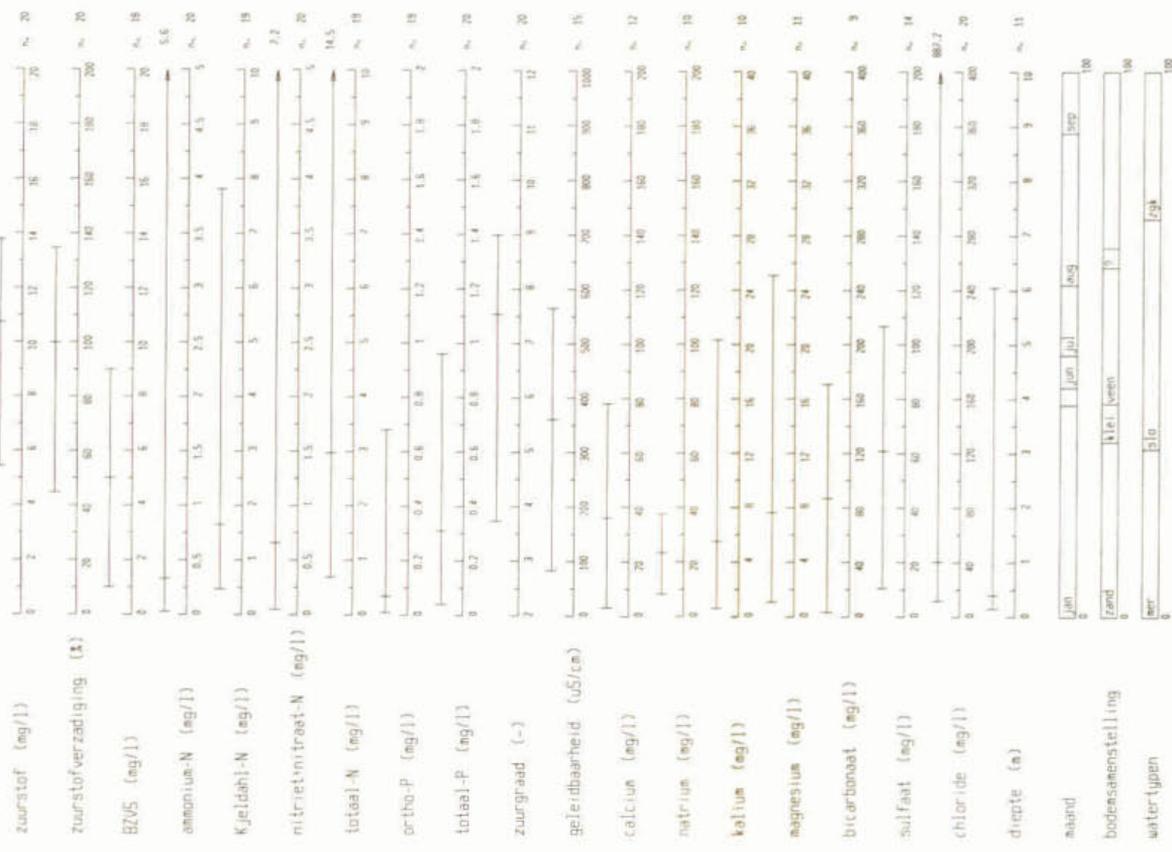
vangsten : 26  
 locaties : 26  
 hobben : 25

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen



Eco-atlas van waterorganismen

Juncus bufonius



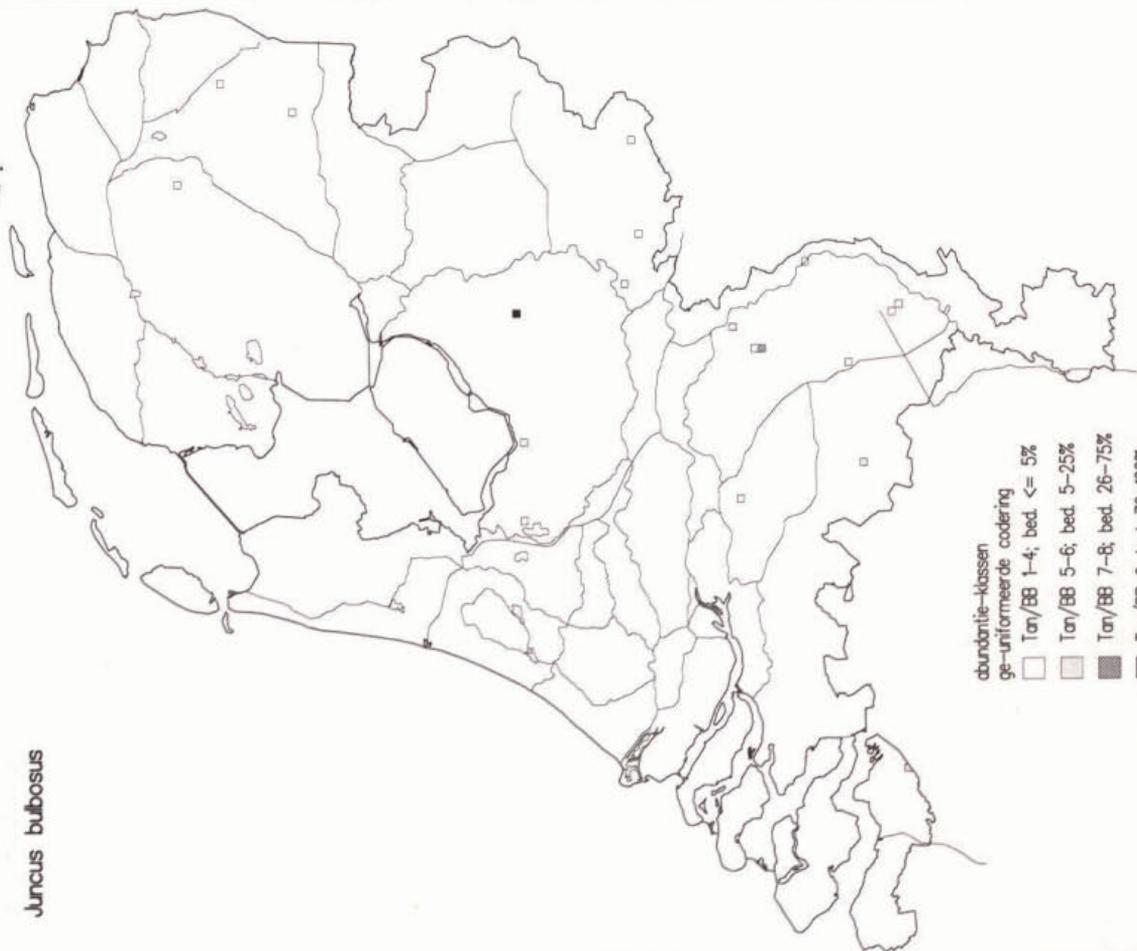
maand:  jan  jun  jul  aug  sep  okt

zand:  klei-veen  zand-veen  zand  klei  veen

water:  rivier  sloot  kanaal  gracht  slot  meer

Macrofyten : Spermatophyta (zaadplanten)

**Juncus bulbosus**



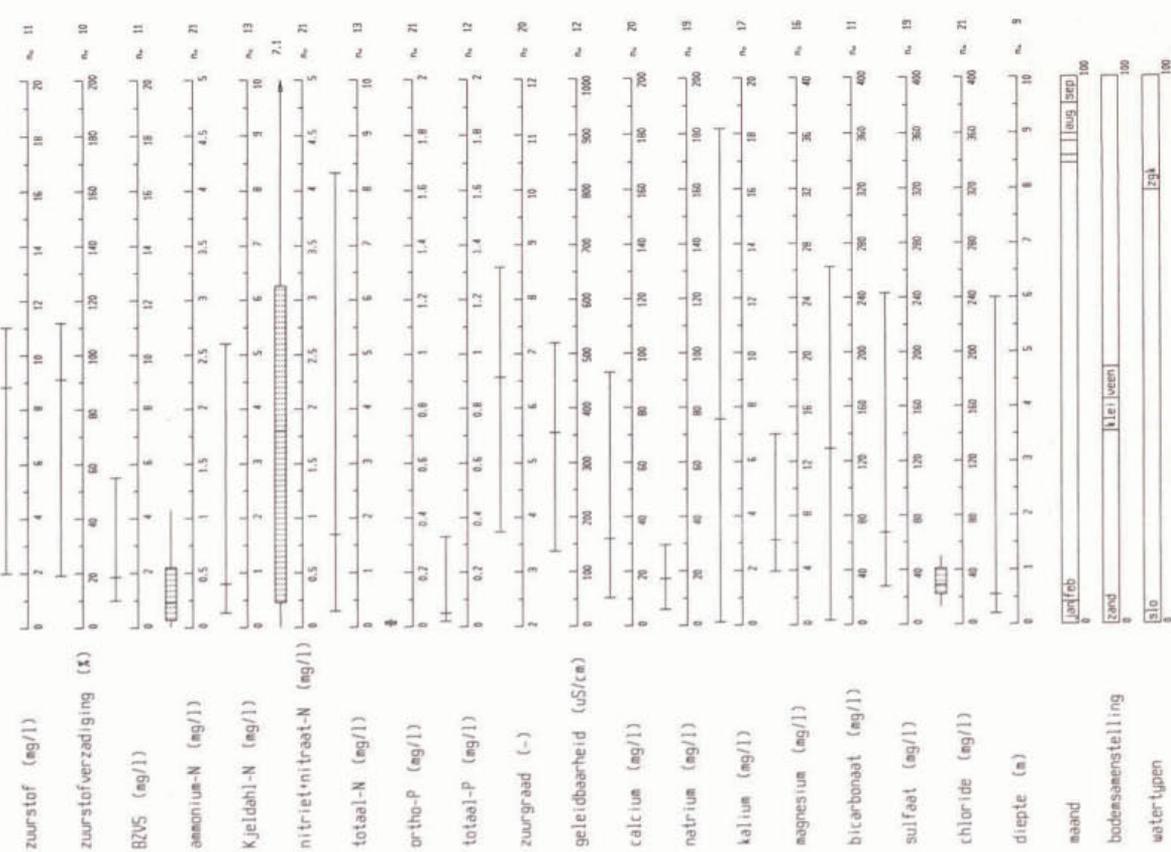
**Juncus bulbosus**

vangsten : 26  
 locaties : 31  
 hokken : 19

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

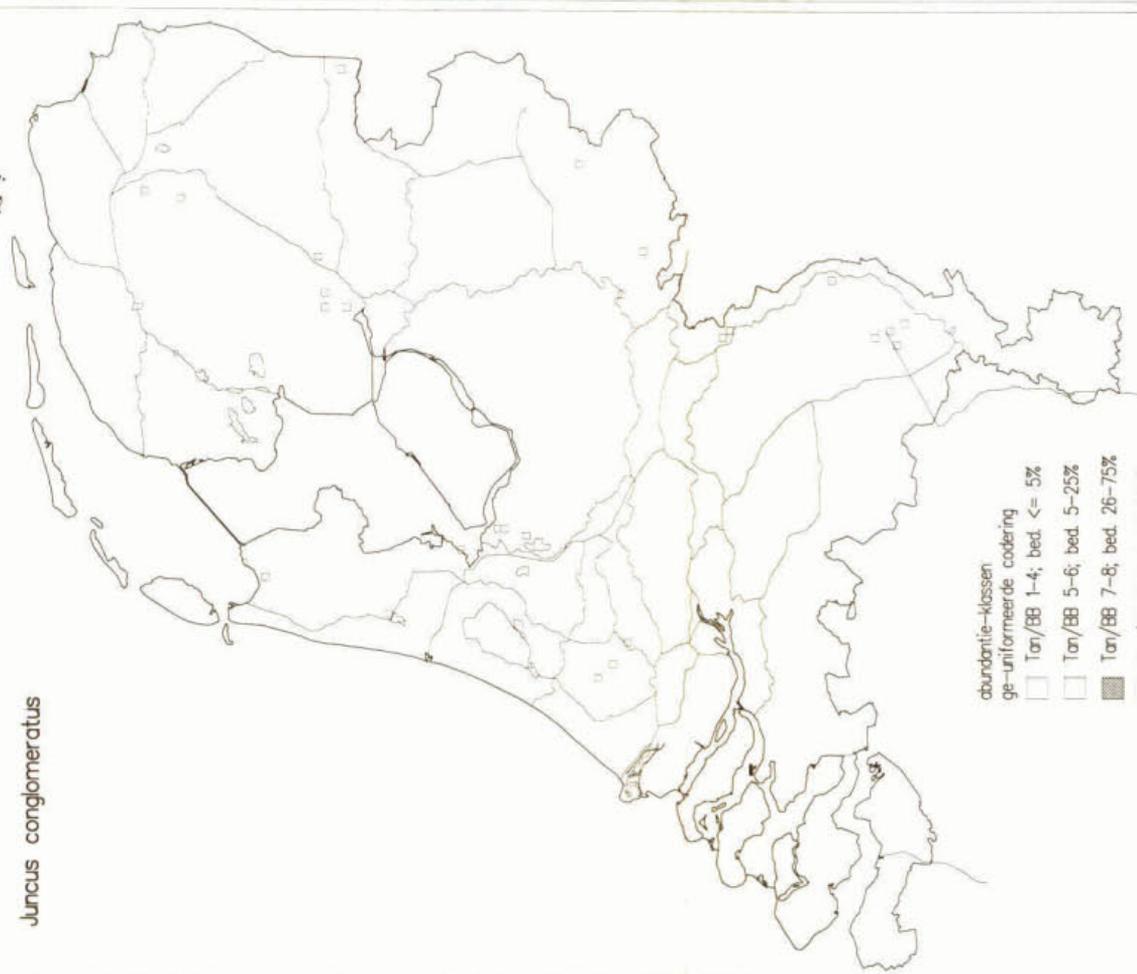
**stowa**

Eco-atlas van waterorganismen



Macrofyten : Spermatophyta (zaadplanten)

**Juncus conglomeratus**



abundantie-klassen  
ge-uniformeerde codering  
□ I  
□ II  
■ III  
■ IV

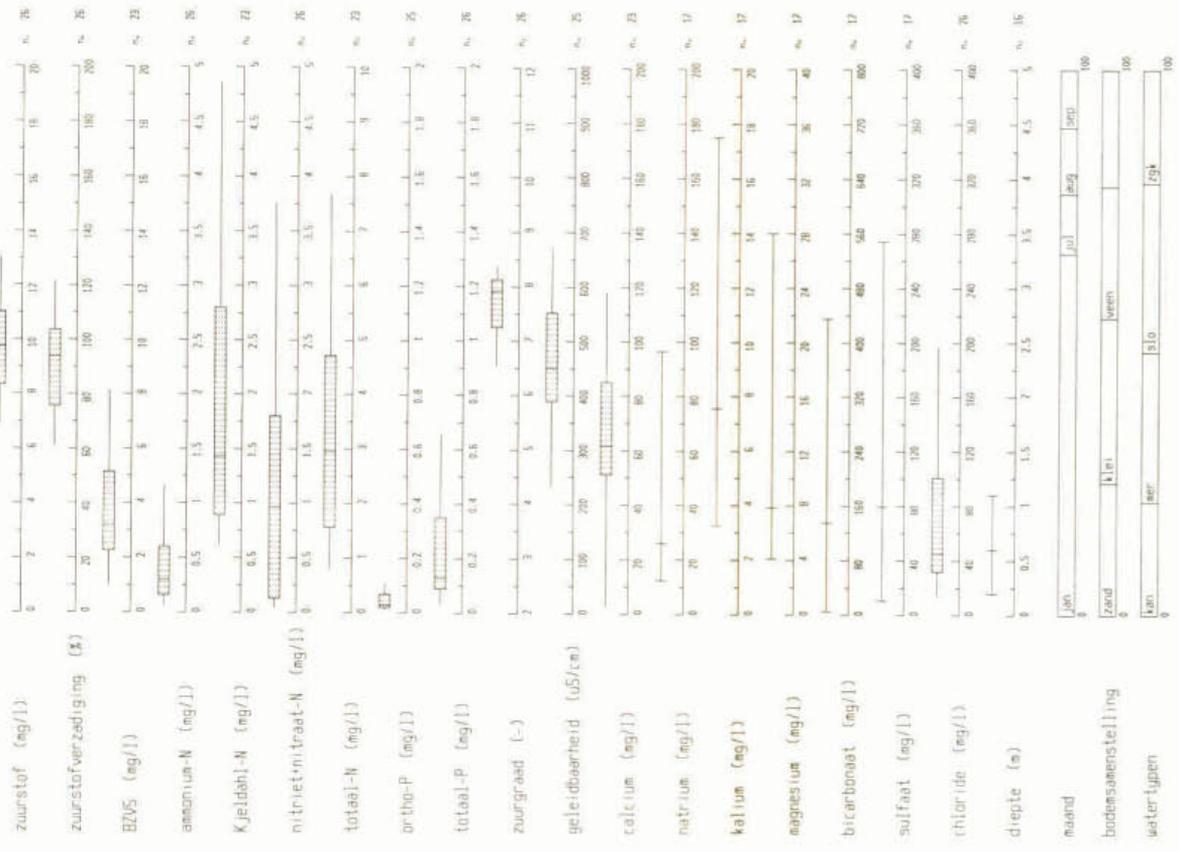
**Juncus conglomeratus**

vangsten : 29  
locaties : 28  
bakken : 27

watertypen  
□ sloten  
□ stromende wateren  
□ kanalen

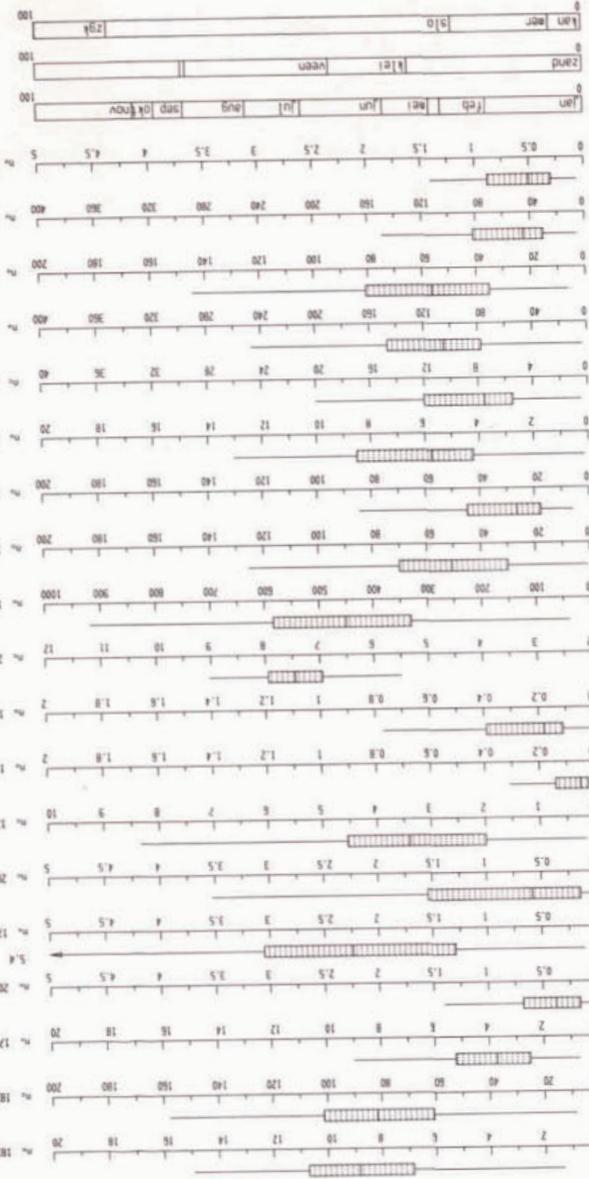
□ meren  
□ zand-, grind- en kleigaten

**Juncus conglomeratus**



maand  
bodemgestelding  
watertypen

jan. jul. aug. sept. 100  
zand klei leem 100  
kan. meer slo. 100



zurestof (mg/l) 183 20 2 4 6 8 10 12 14 16 18 20

zurestofverzadiging (%) 182 20 40 60 80 100 120 140 160 180 200

BZVS (mg/l) 200 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

ammonium-N (mg/l) 171 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

Kjeldahl-N (mg/l) 170 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

nitriet/nitraat-N (mg/l) 201 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

totaal-N (mg/l) 170 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

ortho-P (mg/l) 153 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

totaal-P (mg/l) 156 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

zuurgraad (-) 201 2 3 4 5 6 7 8 9 10 11 12

geleidbaarheid (µS/cm) 154 0 100 200 300 400 500 600 700 800 900 1000

calcium (mg/l) 117 0 20 40 60 80 100 120 140 160 180 200

natrium (mg/l) 116 0 2 4 6 8 10 12 14 16 18 20

kalium (mg/l) 117 0 4 8 12 16 20 24 28 32 36 40

magnesium (mg/l) 98 0 40 80 120 160 200 240 280 320 360 400

bicarbonaat (mg/l) 133 0 40 80 120 160 200 240 280 320 360 400

sulfaat (mg/l) 202 0 40 80 120 160 200 240 280 320 360 400

chloride (mg/l) 100 0 40 80 120 160 200 240 280 320 360 400

diepte (m) 100 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

maand 100 Jan Feb Mar Apr Mei Jun Jul Aug Sep Okt Nov Dec

bodesamenstelling 100 Zand klei veen

watertypen 100 I II III

Macrofyten : Spermatophyta (zaadplanten)

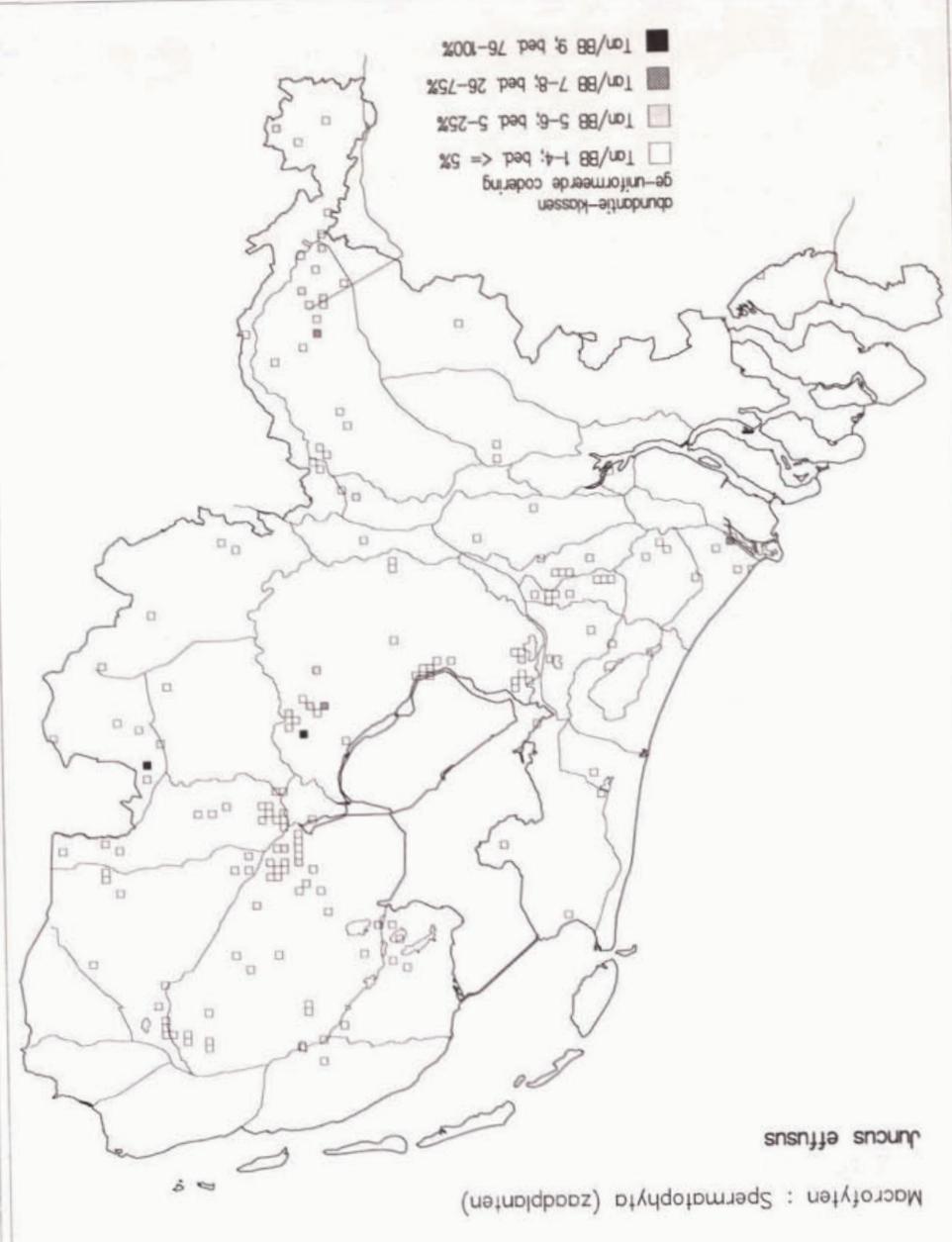
Juncus effusus

EcAtlas van waterorganismen

STOWA

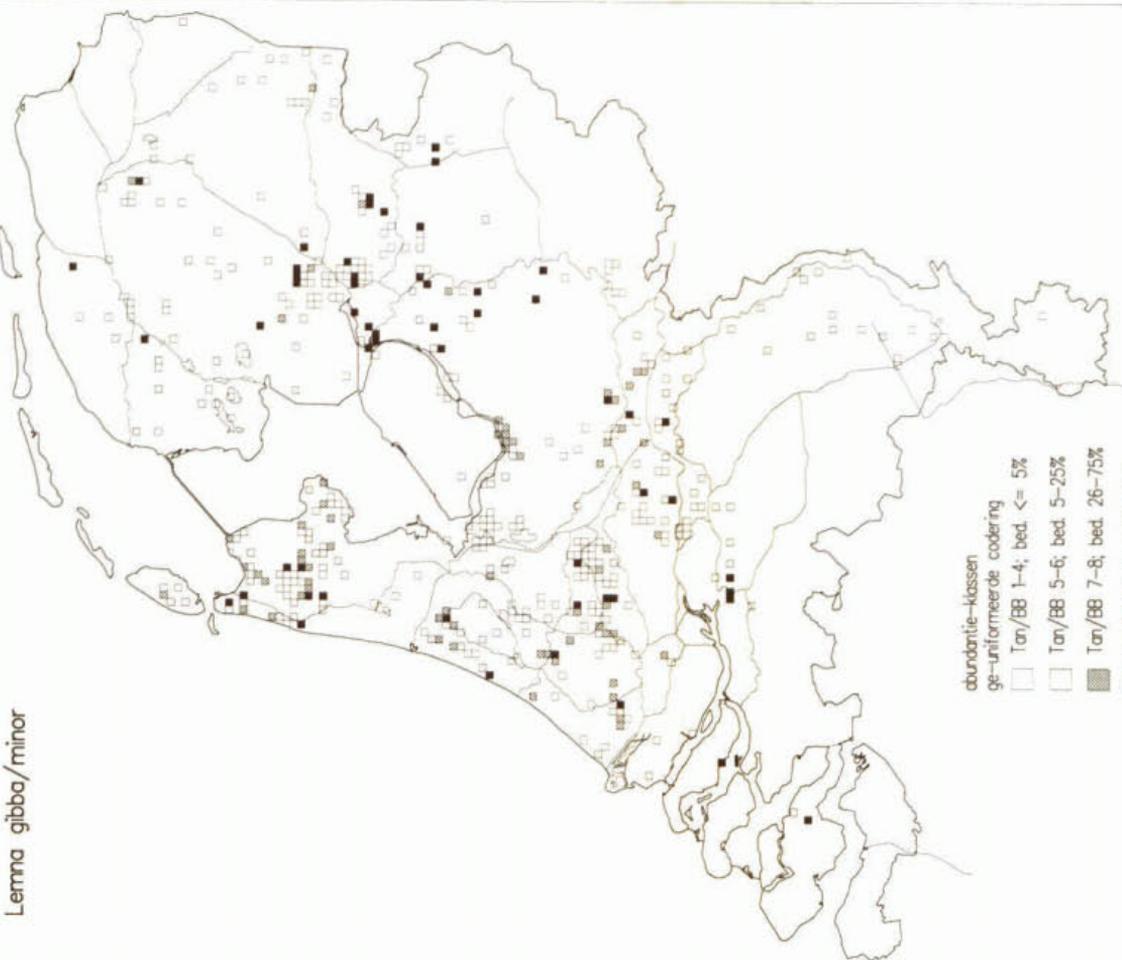
locaties : 189  
 vogsten : 231  
 watertypen : sloten  
 stromende wateren  
 zand-, grind- en  
 meeren  
 kolkten

hokken : 169



Macrofyten : Spermatophyta (zaadplanten)

*Lemma gibba*/minor



abundantie-klassen  
ge-uniformeerde codering  
□ Tan/BB 1-4; bed. <= 5%  
□ Tan/BB 5-6; bed. 5-25%  
■ Tan/BB 7-8; bed. 26-75%  
■ Tan/BB 9; bed. 76-100%

**stowa**  
Eco-atlas van waterorganismen

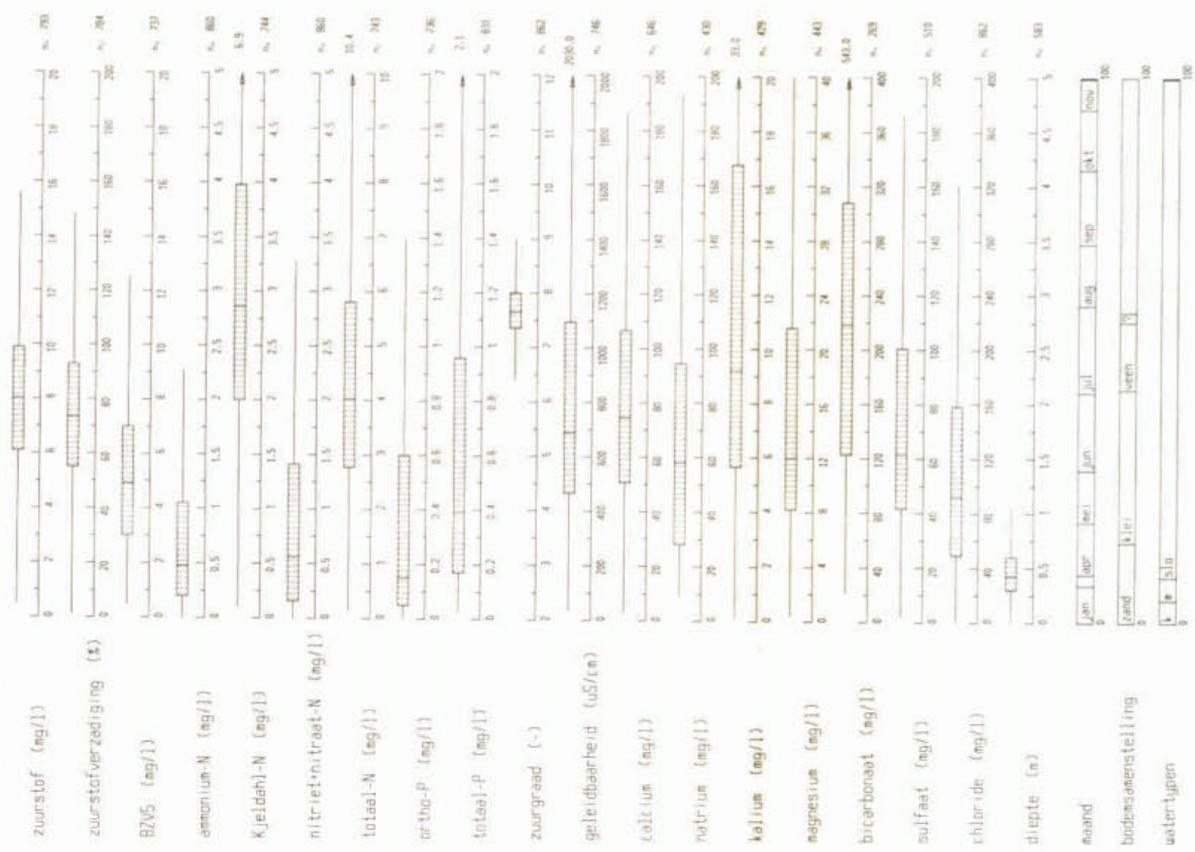
*Lemma gibba*/minor

vangsten : 906  
locaties : 610  
hakken : 458

watertypen  
□ sloten  
□ stromende wateren  
□ kanalen

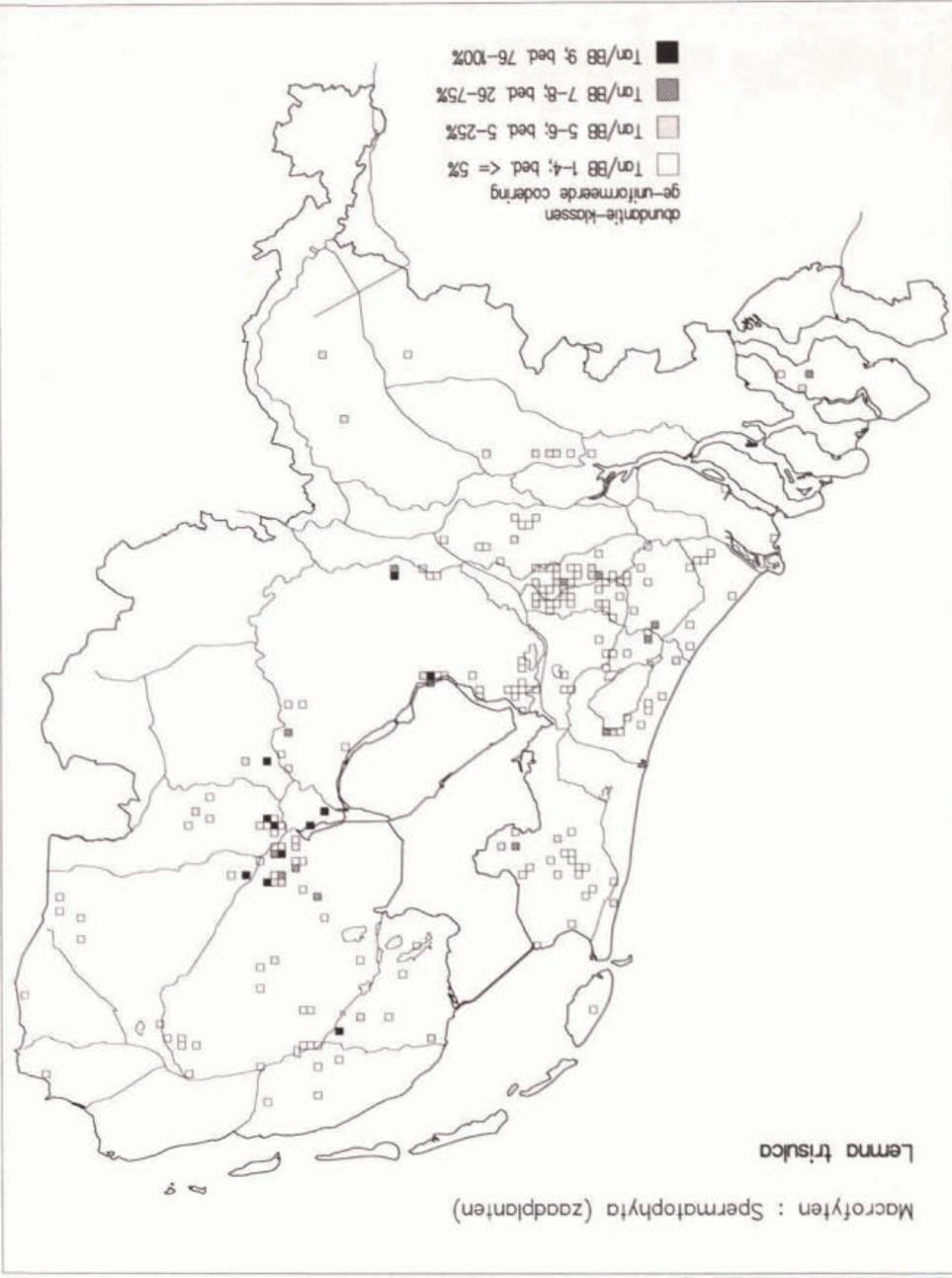
□ meren  
□ zand-, grind- en kleigaten

*Lemma gibba*/minor



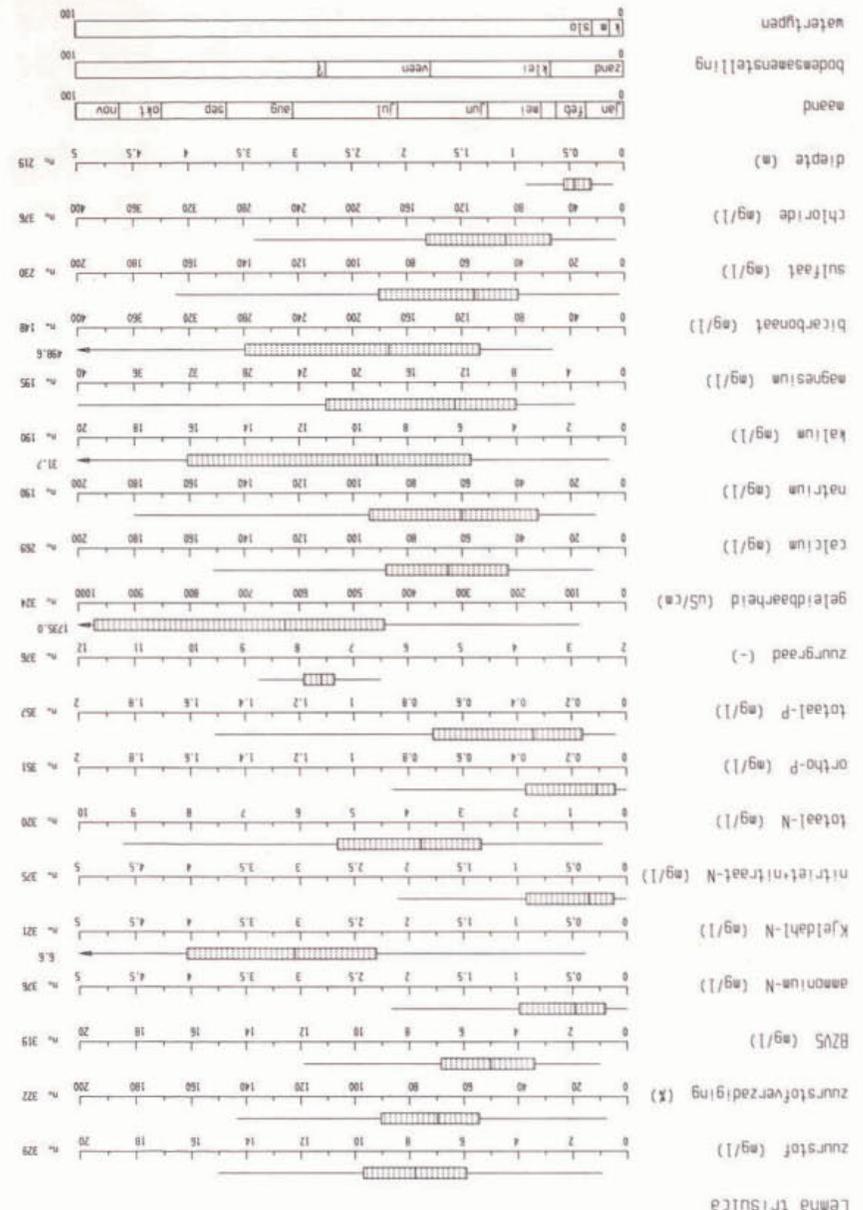
locaties : 269  
vogelsten : 397  
waterstypen  sloten  meren  zand-, grond- en kleigaten  kanden

Lemna trisulca



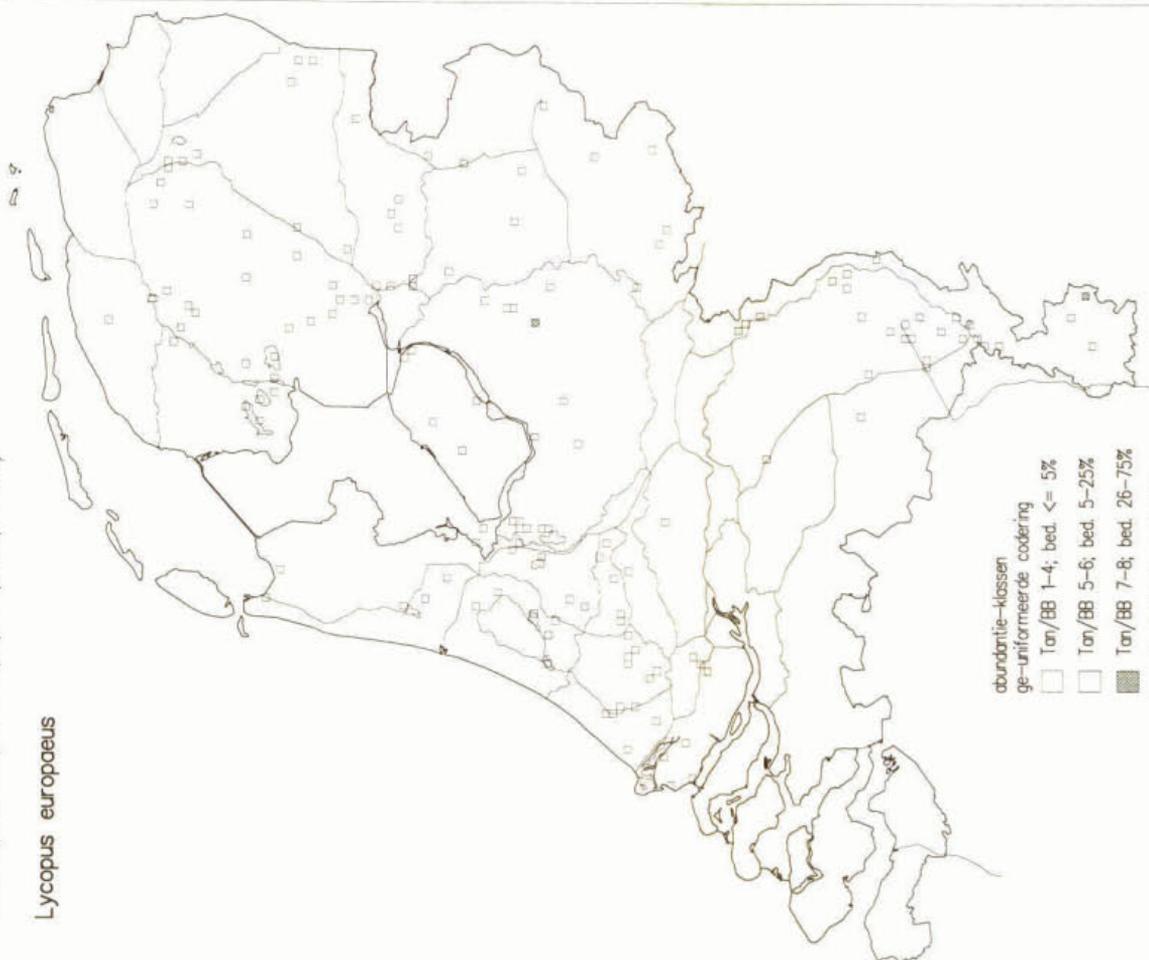
Macrofyten : Spermatophyta (zaadplanten)

Lemna trisulca

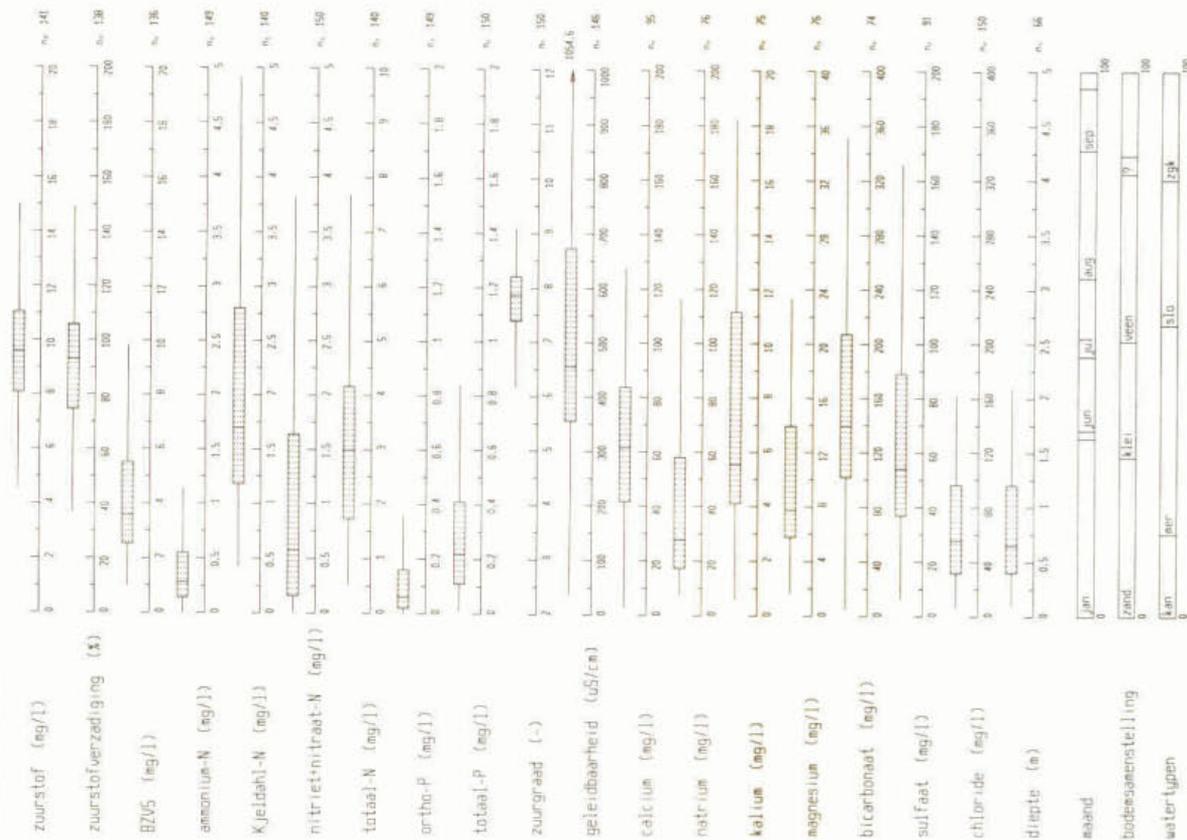


Macrofyten : Spermatophyta (zaadplanten)

Lycopus europaeus



Lycopus europaeus



Macrofyten : Spermatophyta (zaadplanten)

*Lysimachia nummularia*



abundantie-klassen  
ge-uniformeerde codering  
 Tα/BB 1-4; bed. <= 5%  
 Tα/BB 5-6; bed. 5-25%  
 Tα/BB 7-8; bed. 26-75%  
 Tα/BB 9; bed. 76-100%

*Lysimachia nummularia*

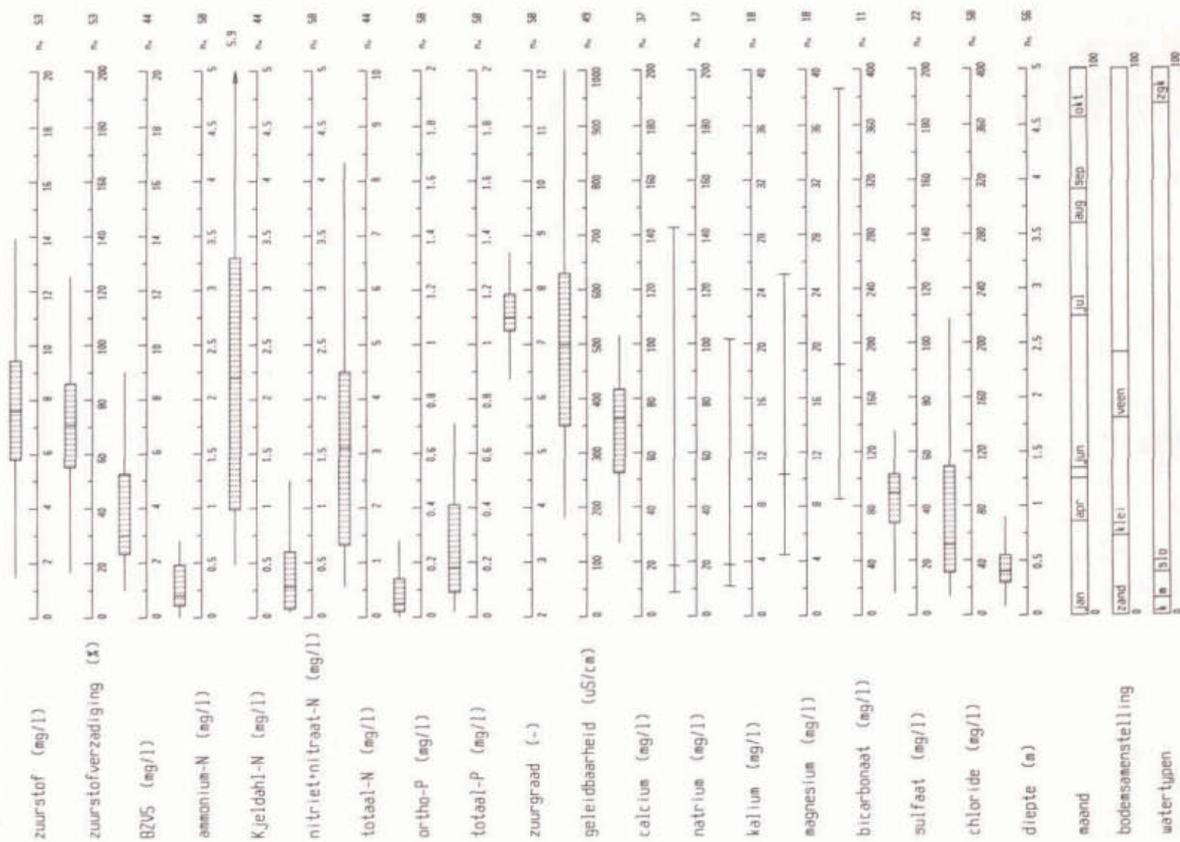
vangsten : 64  
 locaties : 59  
 hokken : 54

watertypen  
 sloten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten

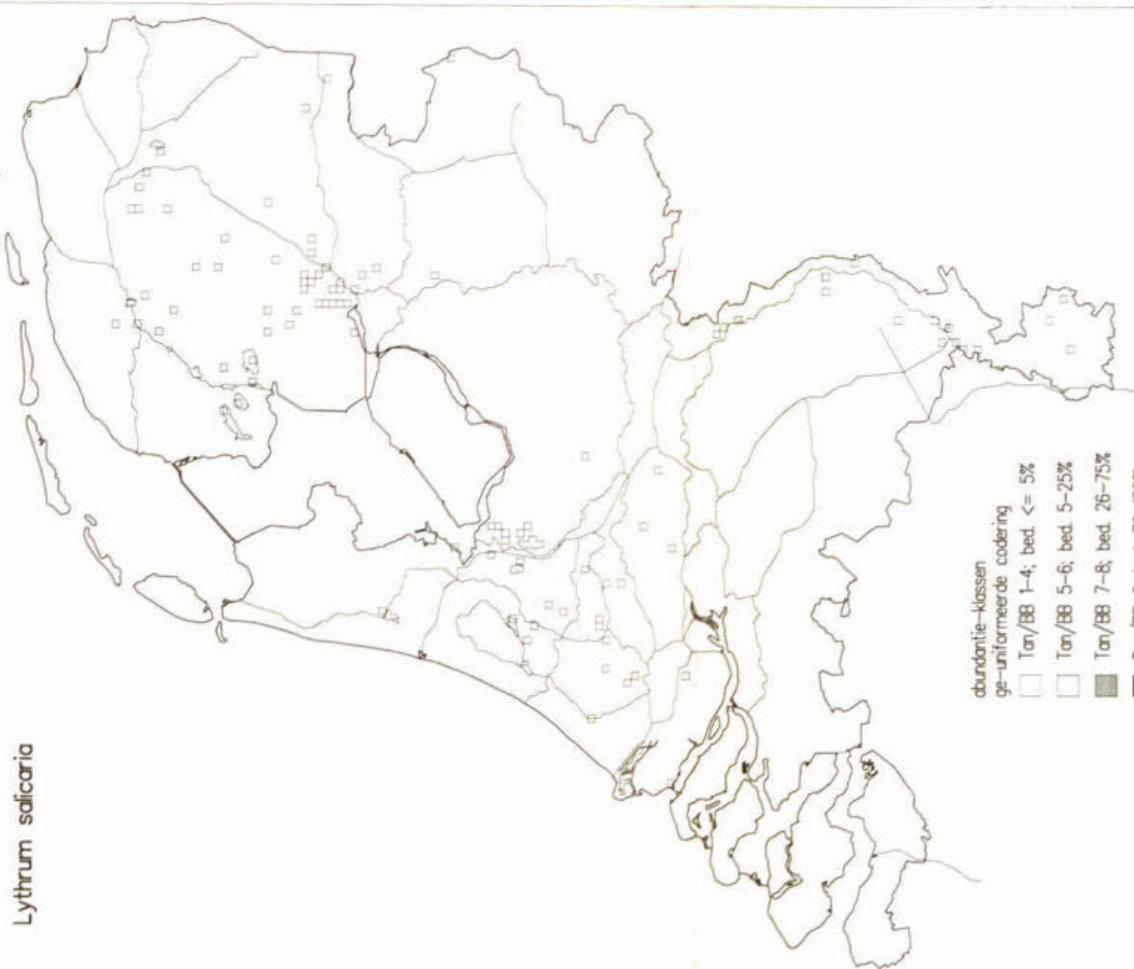
**stowa**  
 Eco-atlas van waterorganismen

*Lysimachia nummularia*



maand  
 bodesaemstelling  
 watertypen

Macrofyten : Spermatophyta (zaadplanten)  
**Lythrum salicaria**



**stowa**  
 Eco-atlas van waterorganismen

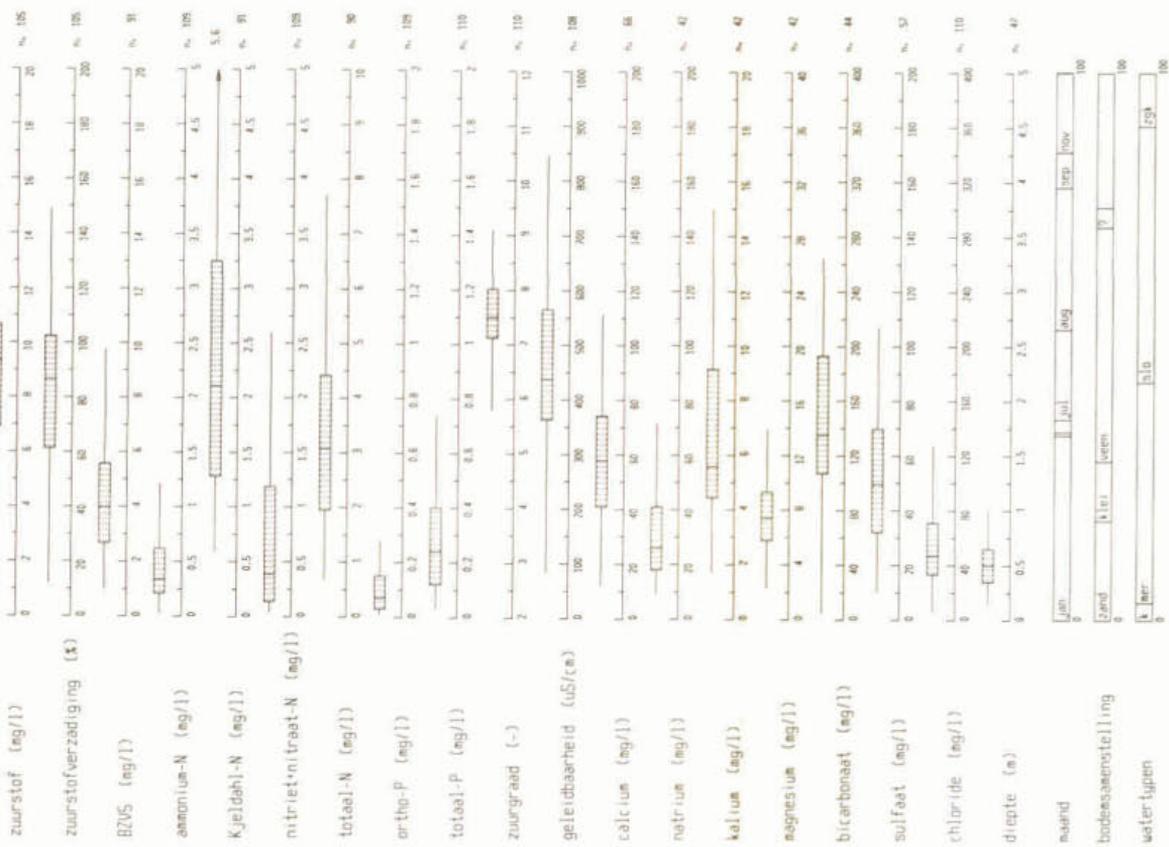
**Lythrum salicaria**

vangsten : 124  
 localities : 117  
 hokken : 98

watertypen  
 sloten  
 stromende wateren  
 kanalen

meren  
 zand-, grind- en kleigaten

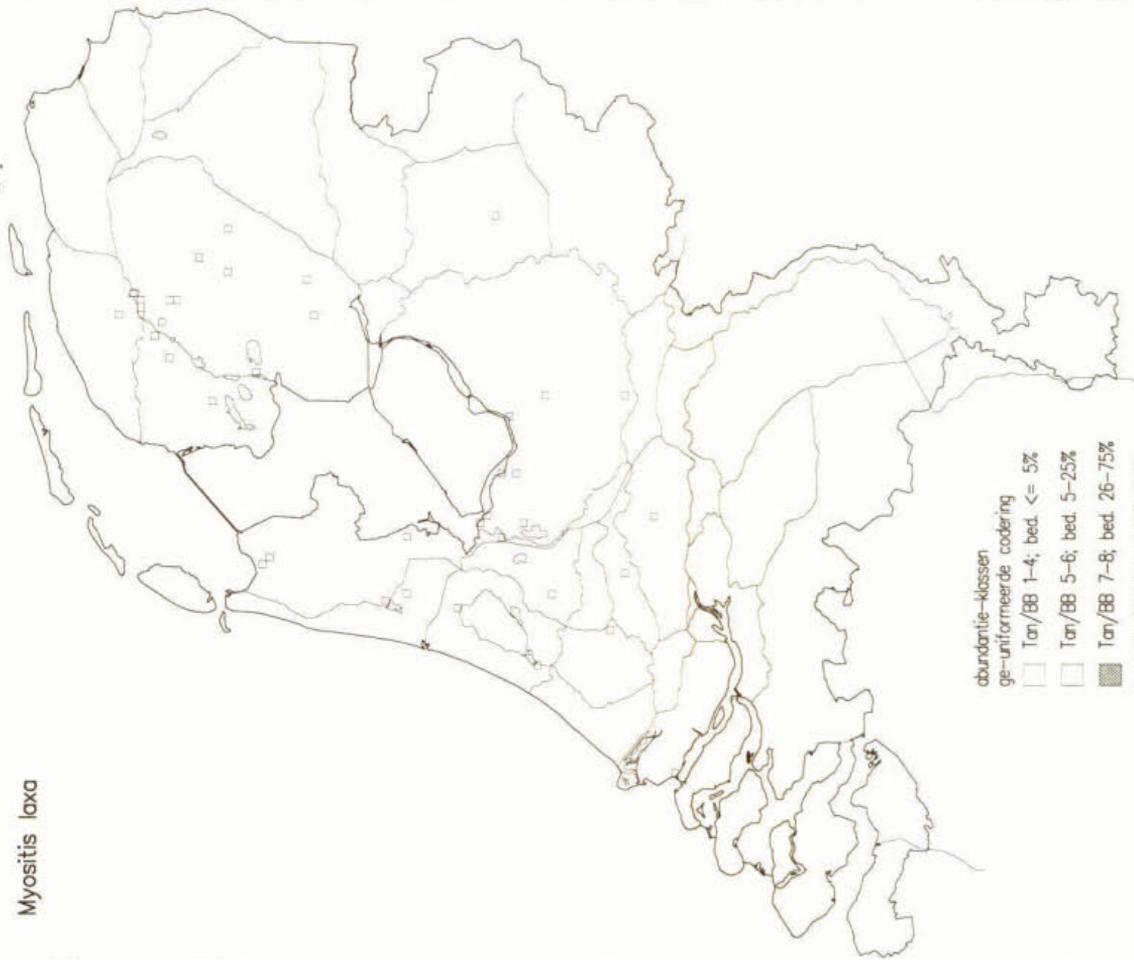
**Lythrum salicaria**





Macrofyten : Spermatophytia (zaadplanten)

Myositis laxa



abundantie-klassen  
ge-uniformeerde codering  
 Ton/BB 1-4; bed. <= 5%  
 Ton/BB 5-6; bed. 5-25%  
 Ton/BB 7-8; bed. 26-75%  
 Ton/BB 9; bed. 76-100%

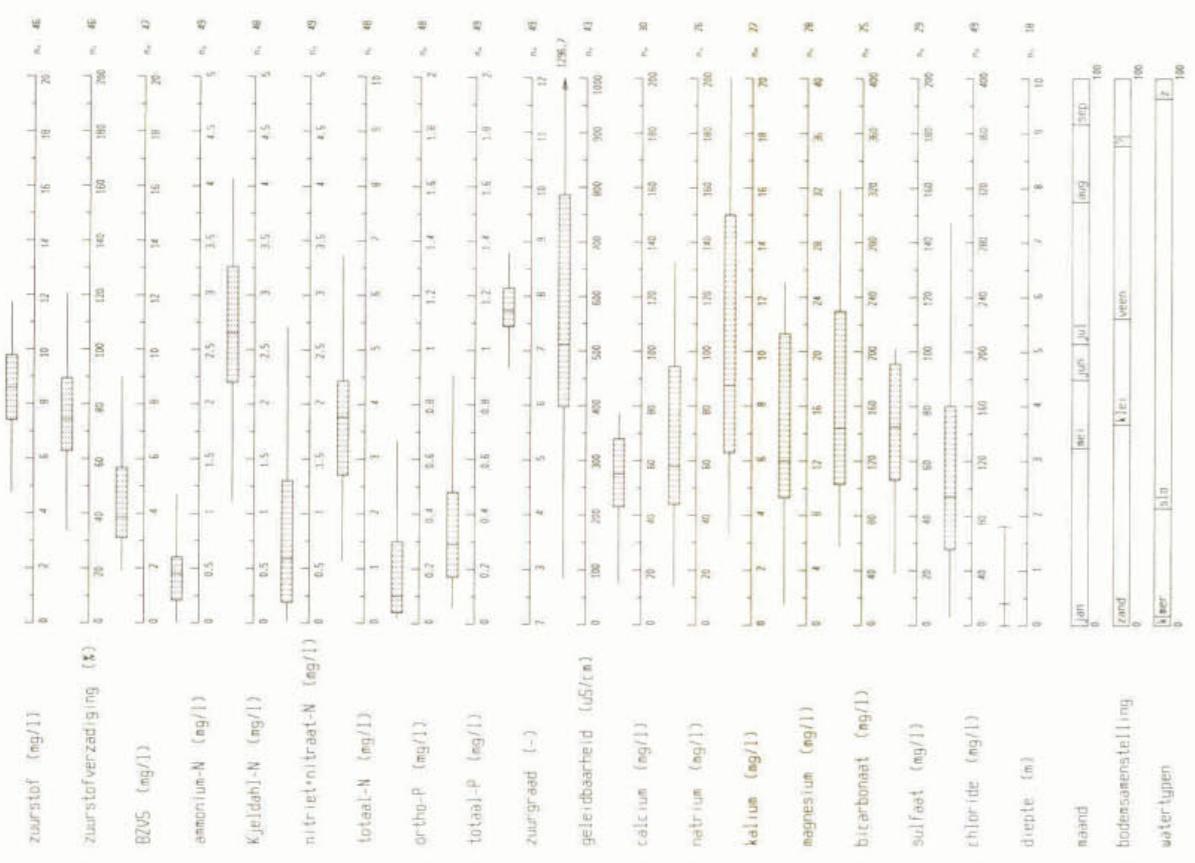
Myositis laxa

vangsten : 56  
 locaties : 40  
 holken : 39

watertypen  
 sloten  
 stromende wateren  
 kanalen

watermilieu  
 mieren  
 zand-, grind- en kleigaten

Myositis laxa



namd  
 zand  
 steer

jan  
 mei  
 sep

jun  
 okt

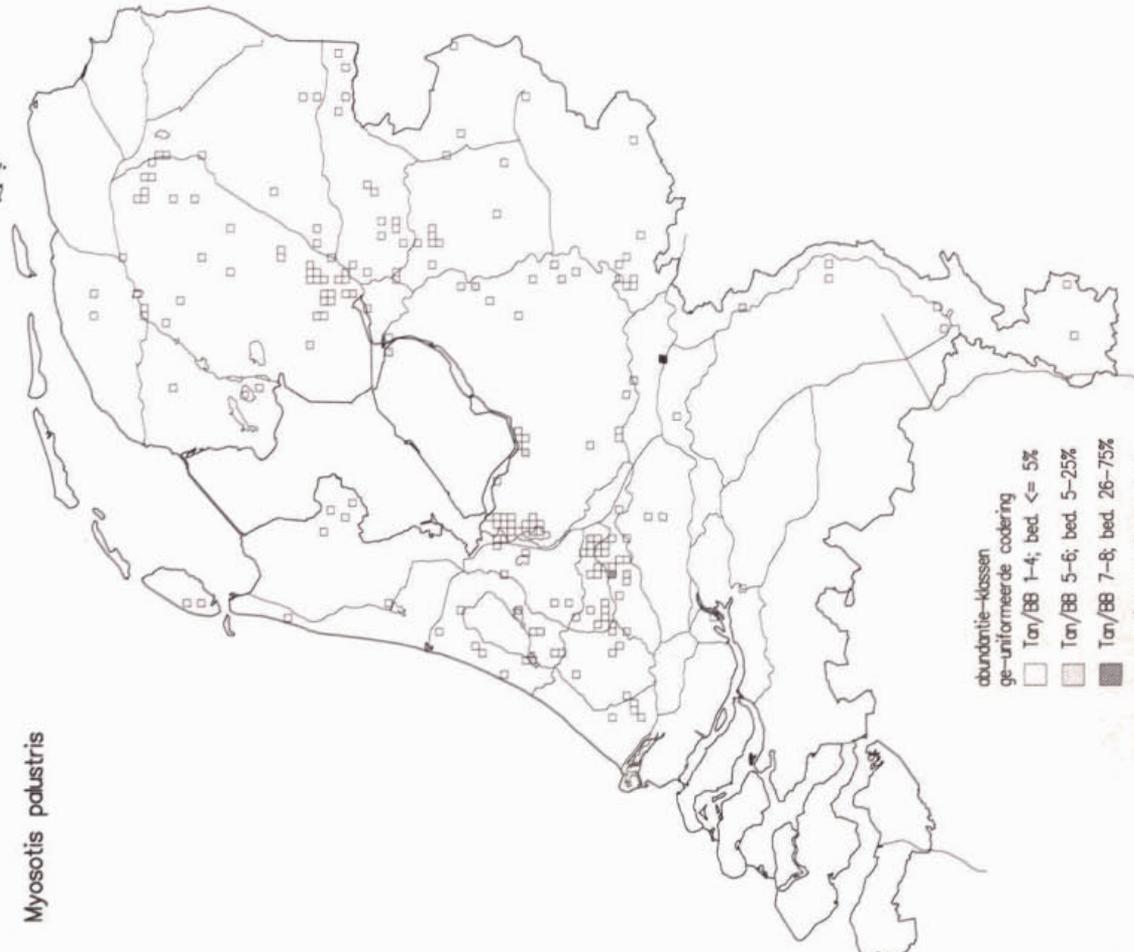
aug  
 feb

fees  
 vees

bin  
 100

Macrofyten : Spermatophyta (zaadplanten)

Myosotis palustris



abundantie-klassen  
ge-uniformeerde codering

- ☐ 1ar/BB 1-4; bed. <= 5%
- ▒ 1ar/BB 5-6; bed. 5-25%
- ▓ 1ar/BB 7-8; bed. 26-75%
- 1ar/BB 9; bed. 76-100%

**stowa**

Eco-atlas van waterorganismen

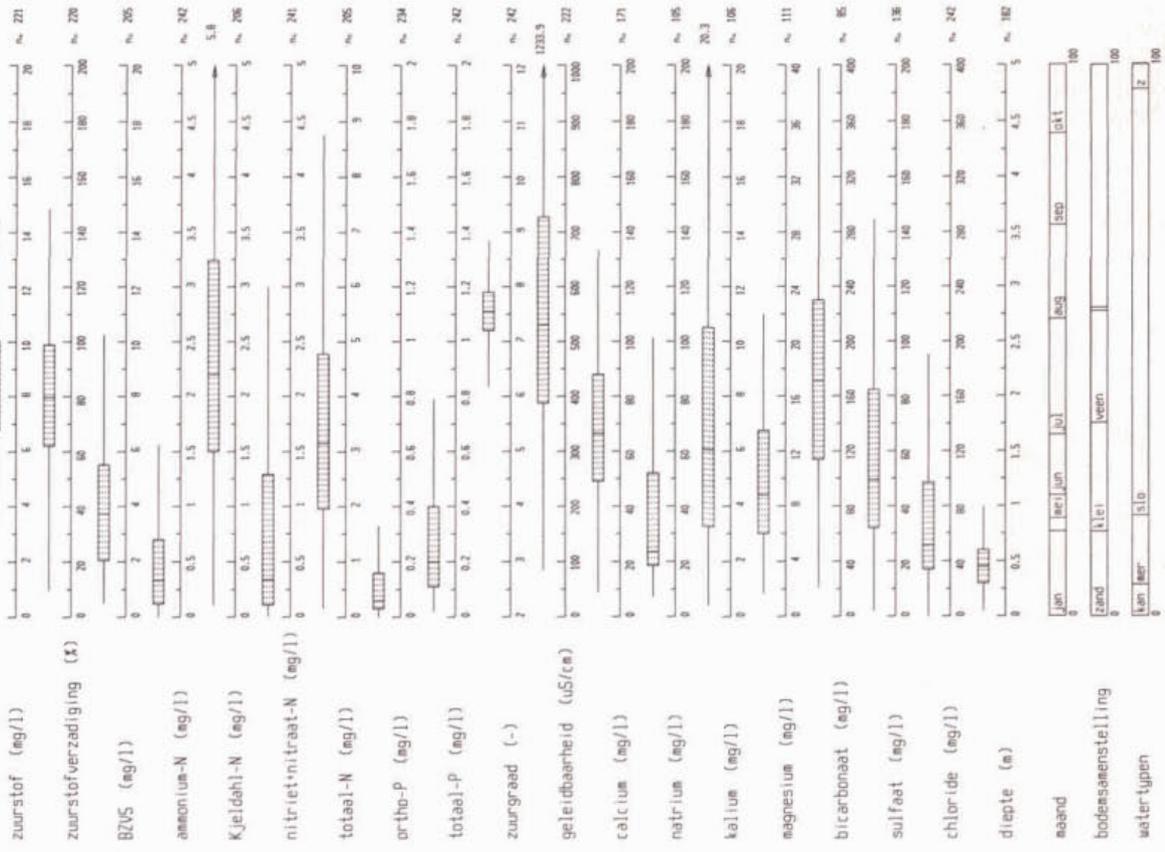
Myosotis palustris

vangsten : 265  
locaties : 240  
hokken : 203

watertypen

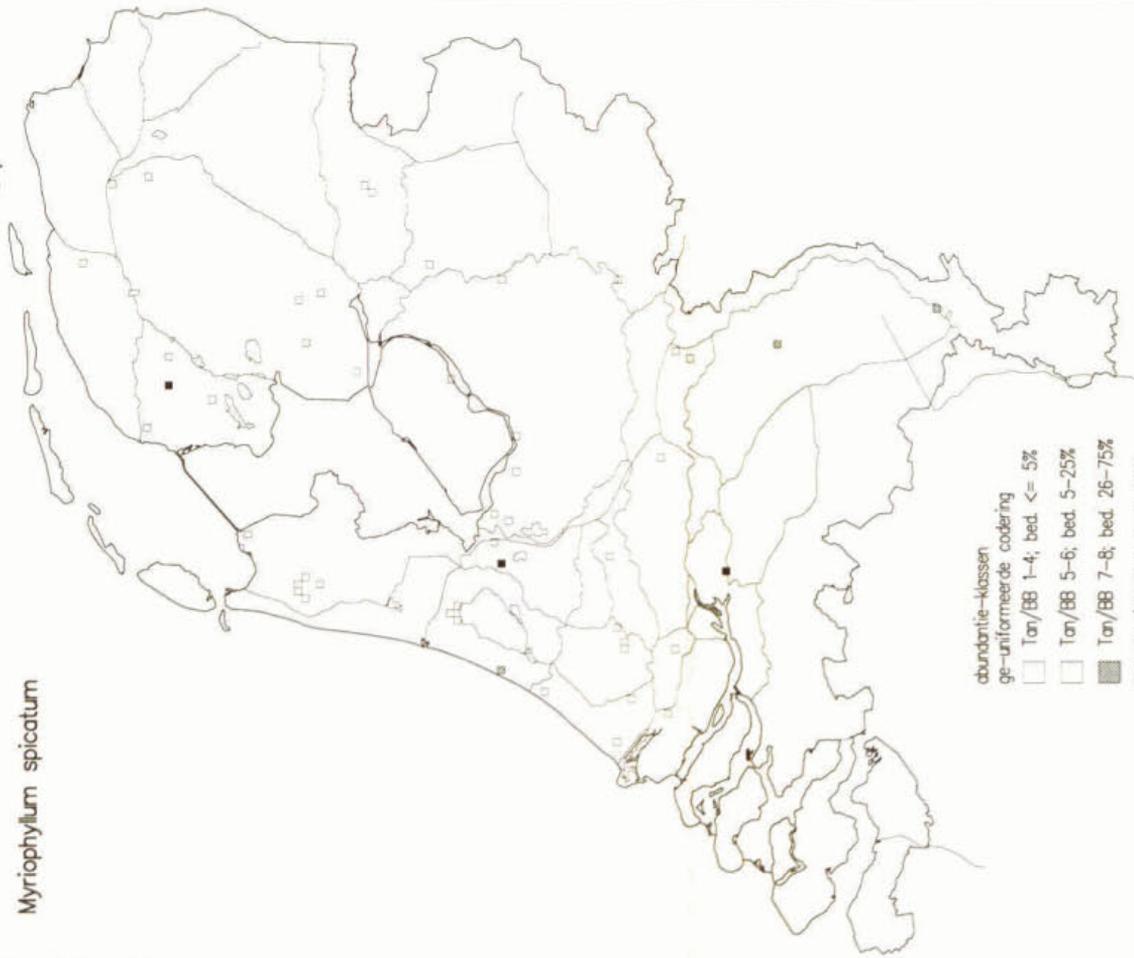
- sloten
- stromende wateren
- meren
- zand-, grind- en kleigaten
- kanalen

Myosotis palustris

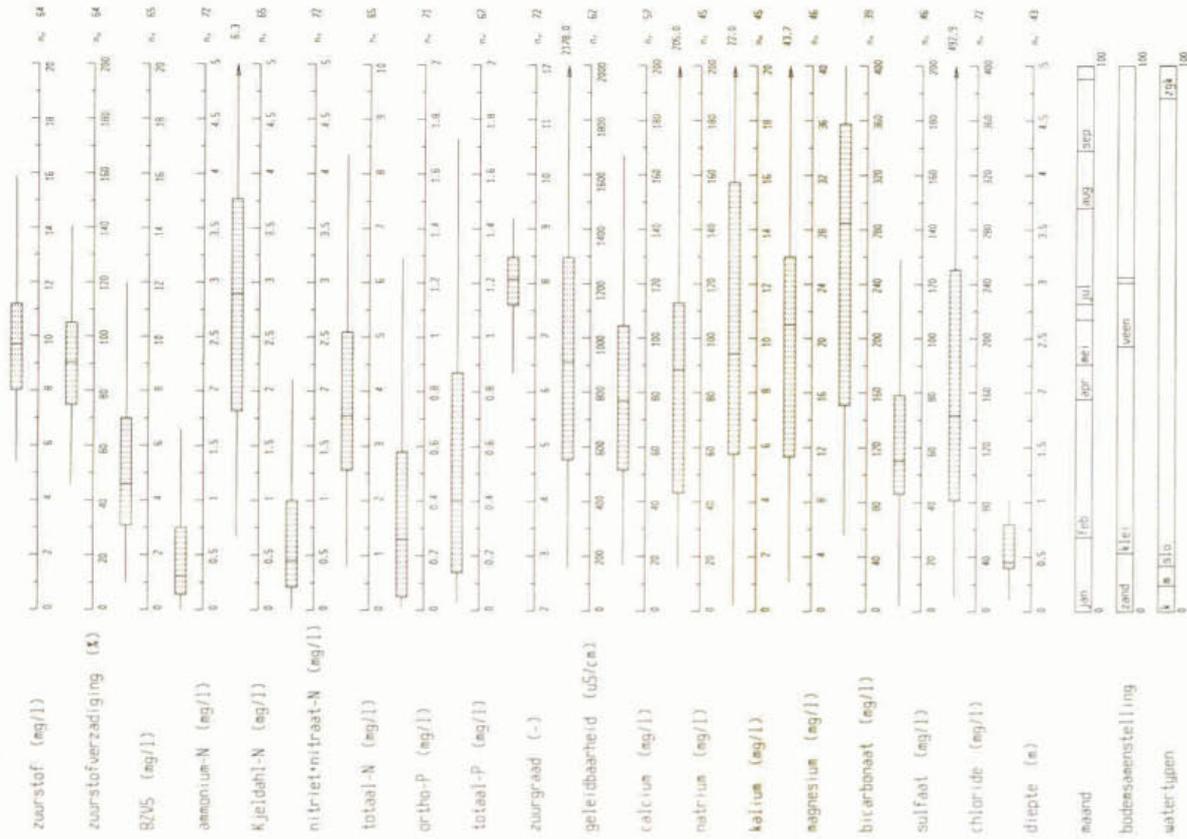


Macrofyten : Spermatophyta (zaadplanten)

Myriophyllum spicatum

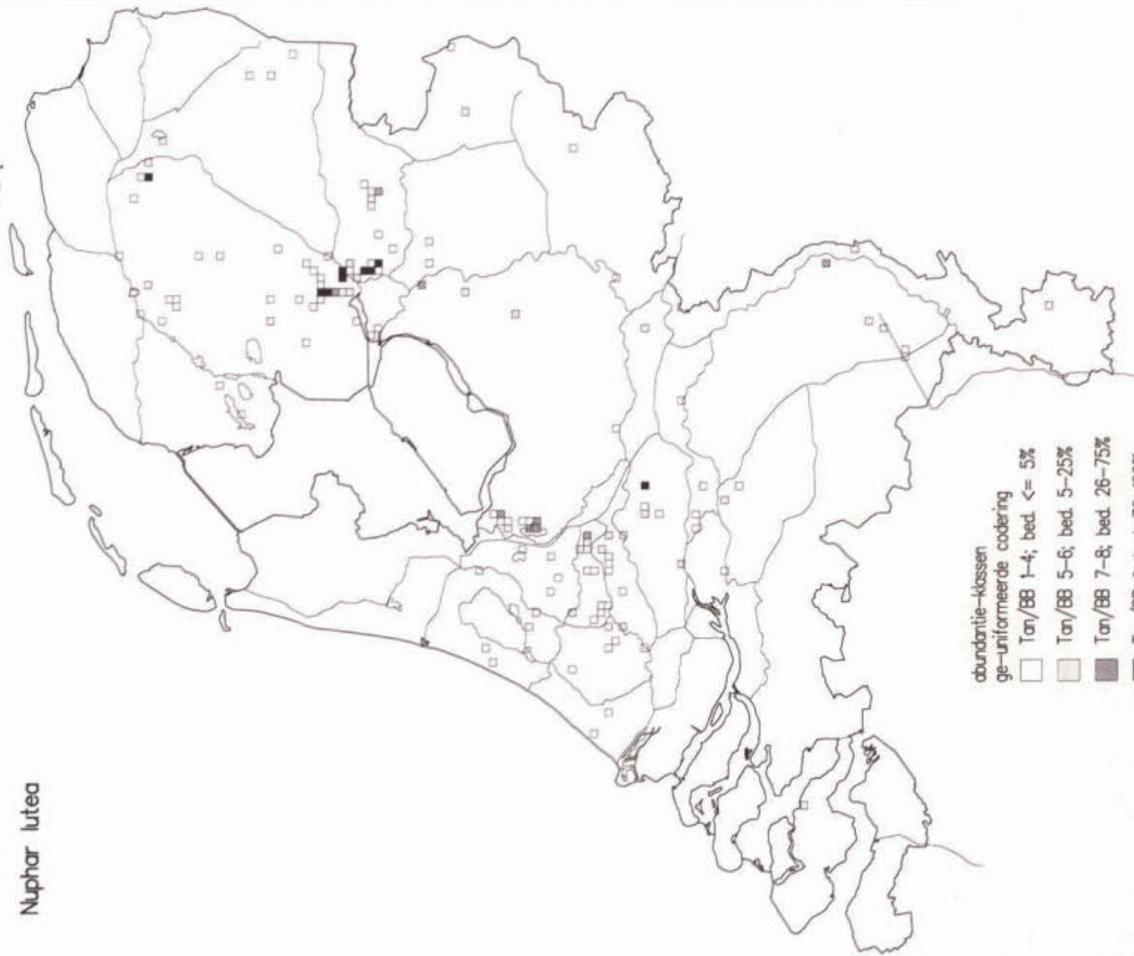


Myriophyllum spicatum



Macrofyten : Spermatophyta (zaadplanten)

Nuphar lutea



abundantie-klassen  
 ge-uniformeerde codering  
 □ Tan/BB 1-4; bed. <= 5%  
 ◻ Tan/BB 5-6; bed. 5-25%  
 ◼ Tan/BB 7-8; bed. 26-75%  
 ◼ Tan/BB 9; bed. 76-100%

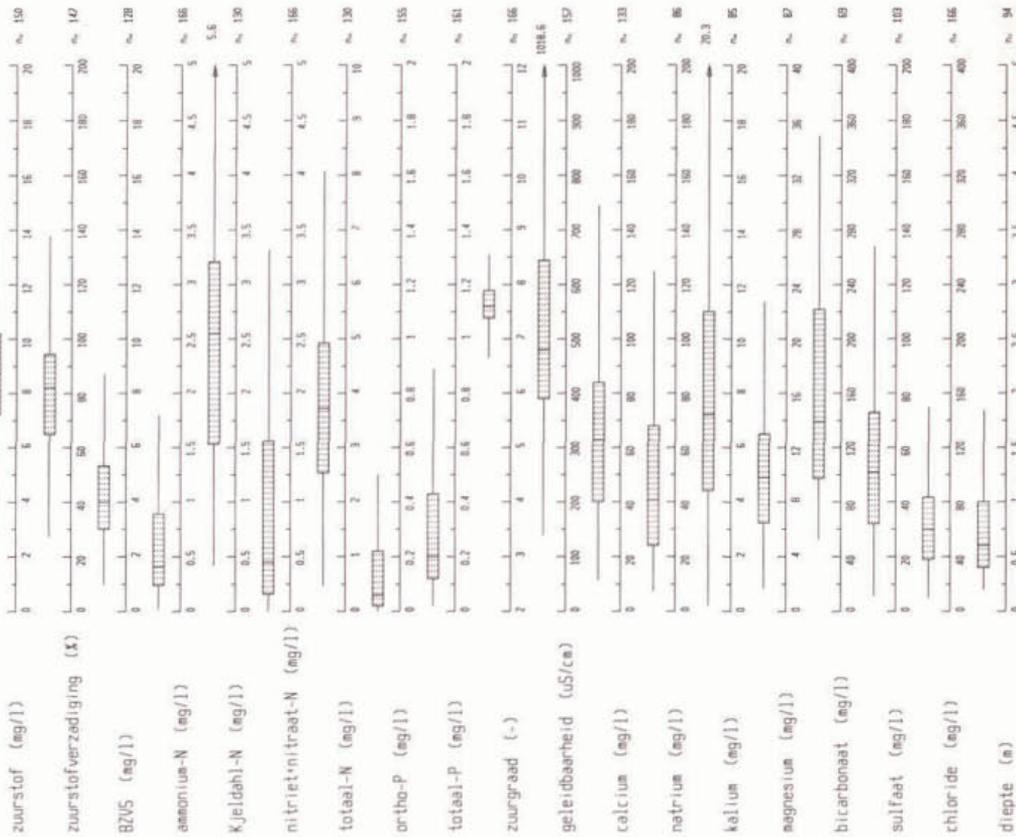
**stowa**

Eco-atlas van waterorganismen

Nuphar lutea

vangsten : 179  
 locaties : 150  
 hokken : 134

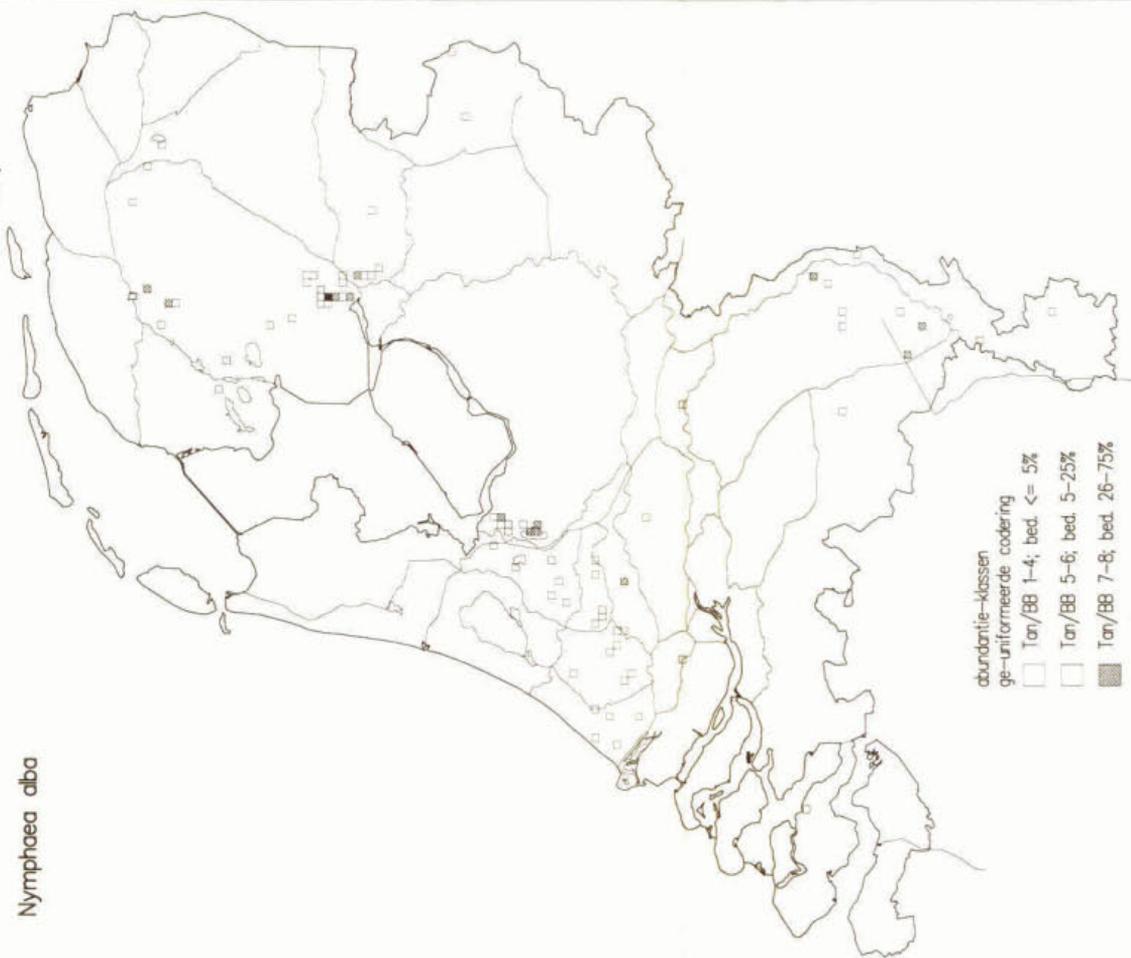
watertypen  
 sloten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen



maand	jan	feb	jun	jul	aug	sep
bodesaaistelling	zand klei veen					
watertypen	kan meer slo					

Macrofyten : Spermatophyta (zaadplanten)

**Nymphaea alba**



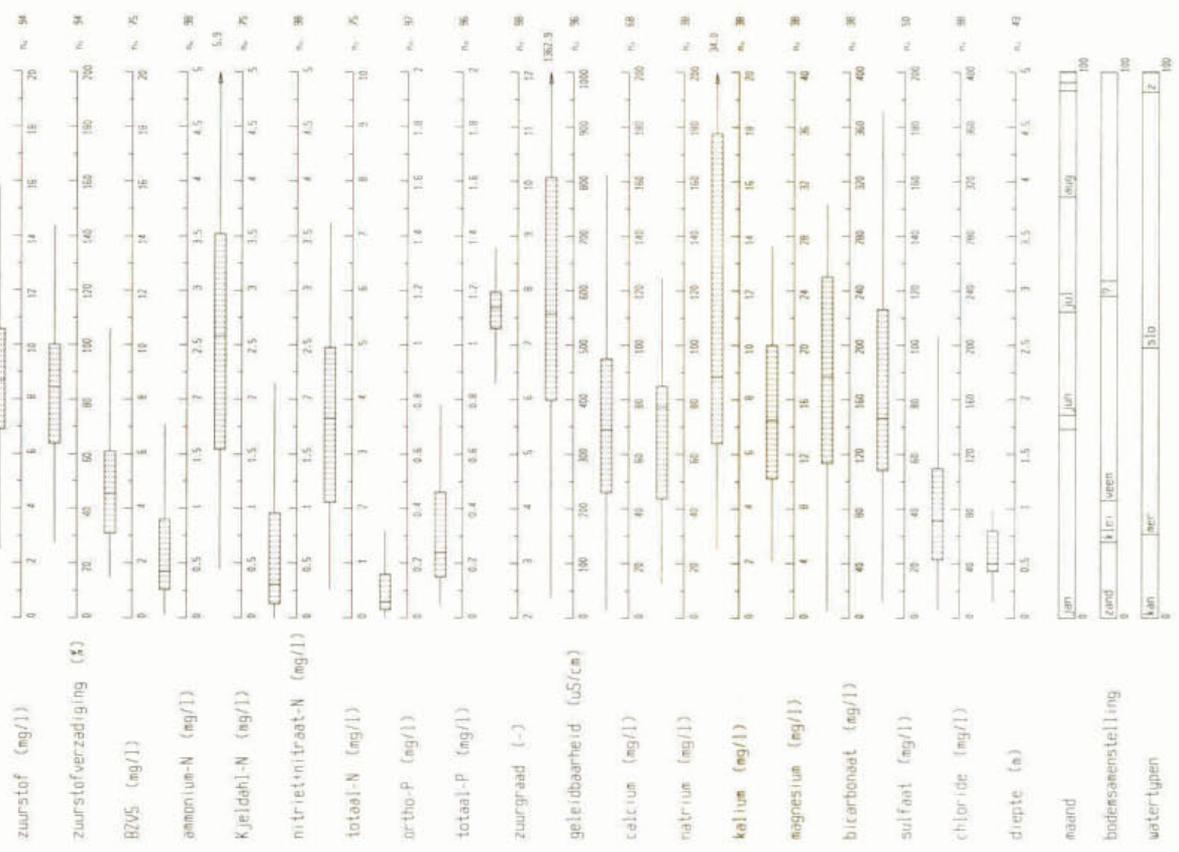
**Nymphaea alba**

- vangsten : 111
- locaties : 90
- hokken : 80
- watertypen :  sloten  meren  stromende wateren  zand-, grind- en hokken  kanalen



Eco-atlas van waterorganismen

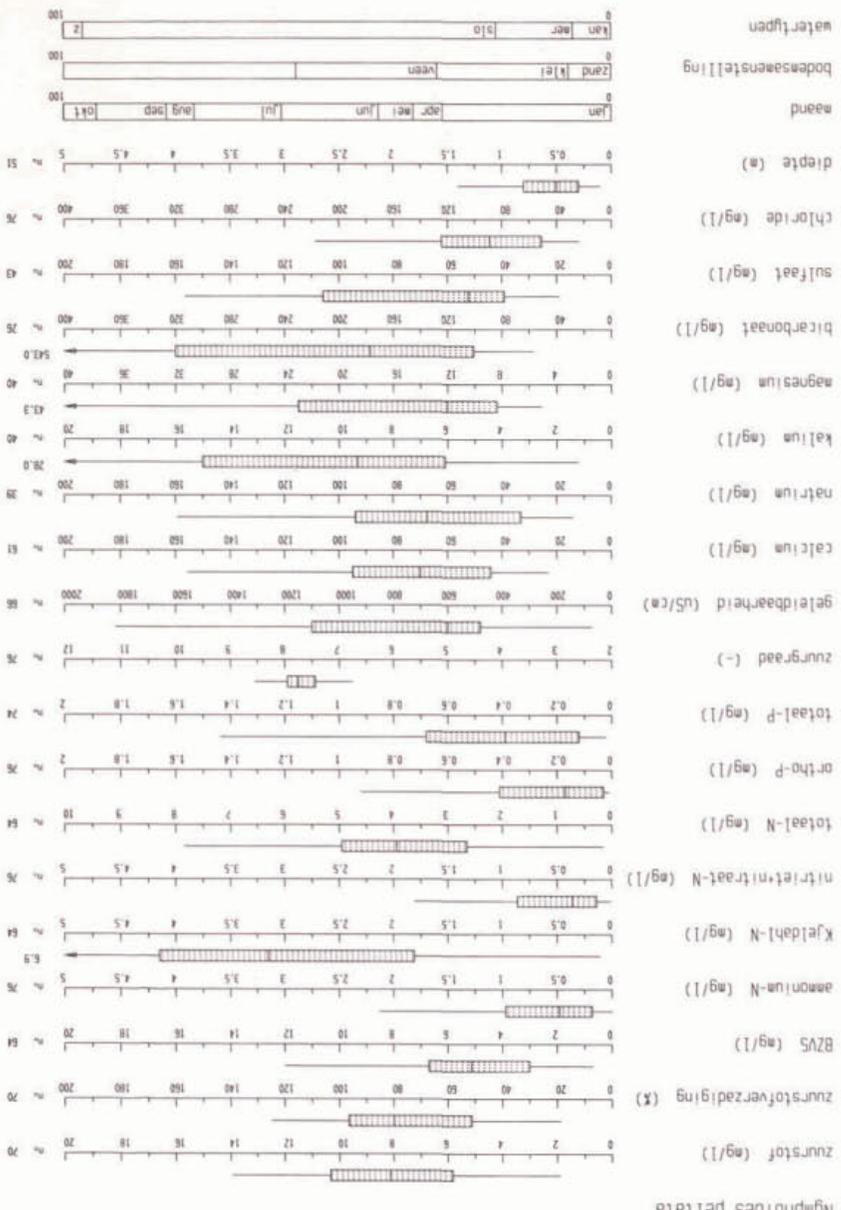
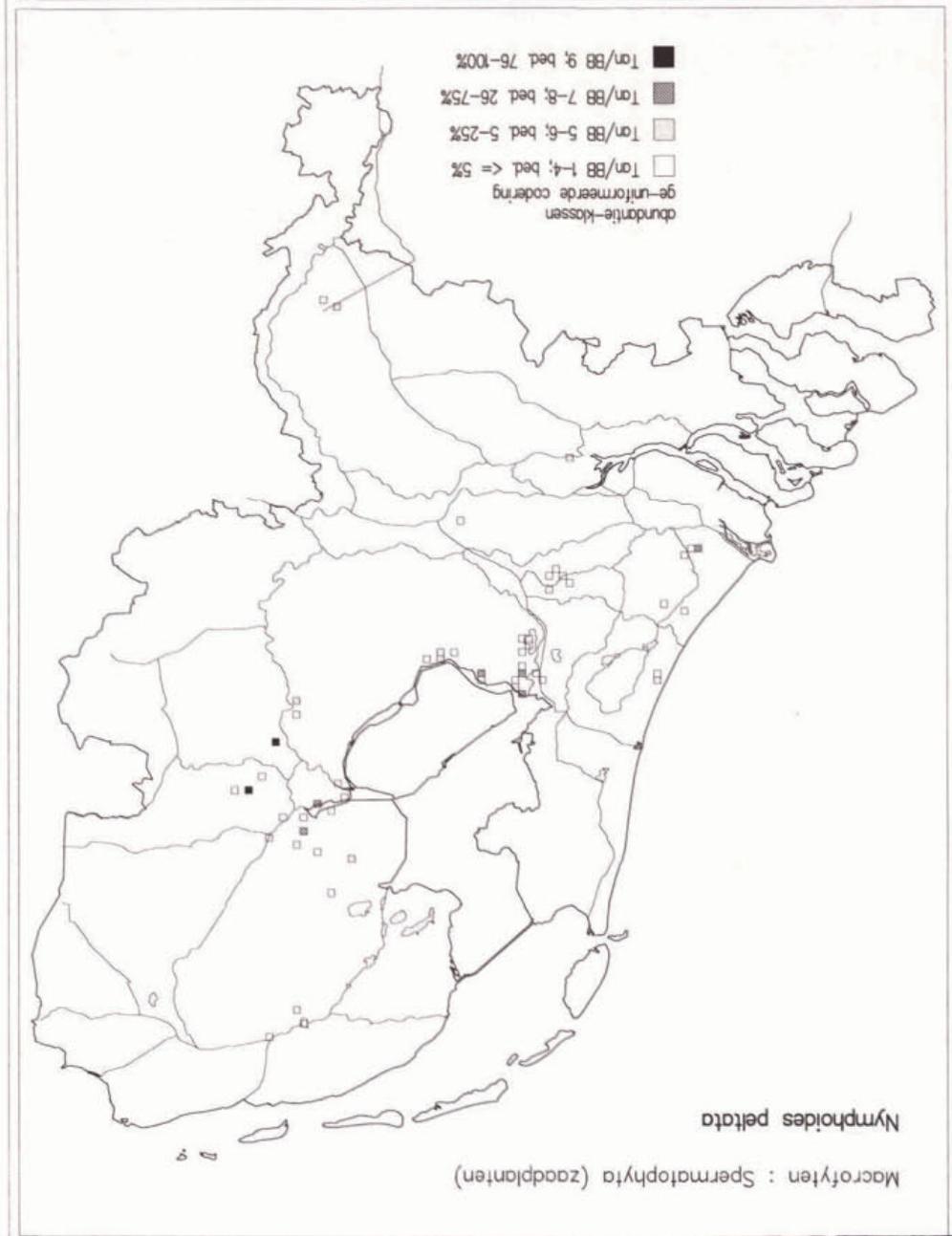
**Nymphaea alba**



**stowa**  
Eco-atlas van waterorganismen

vangsten : 85  
locaties : 62  
hokken : 54

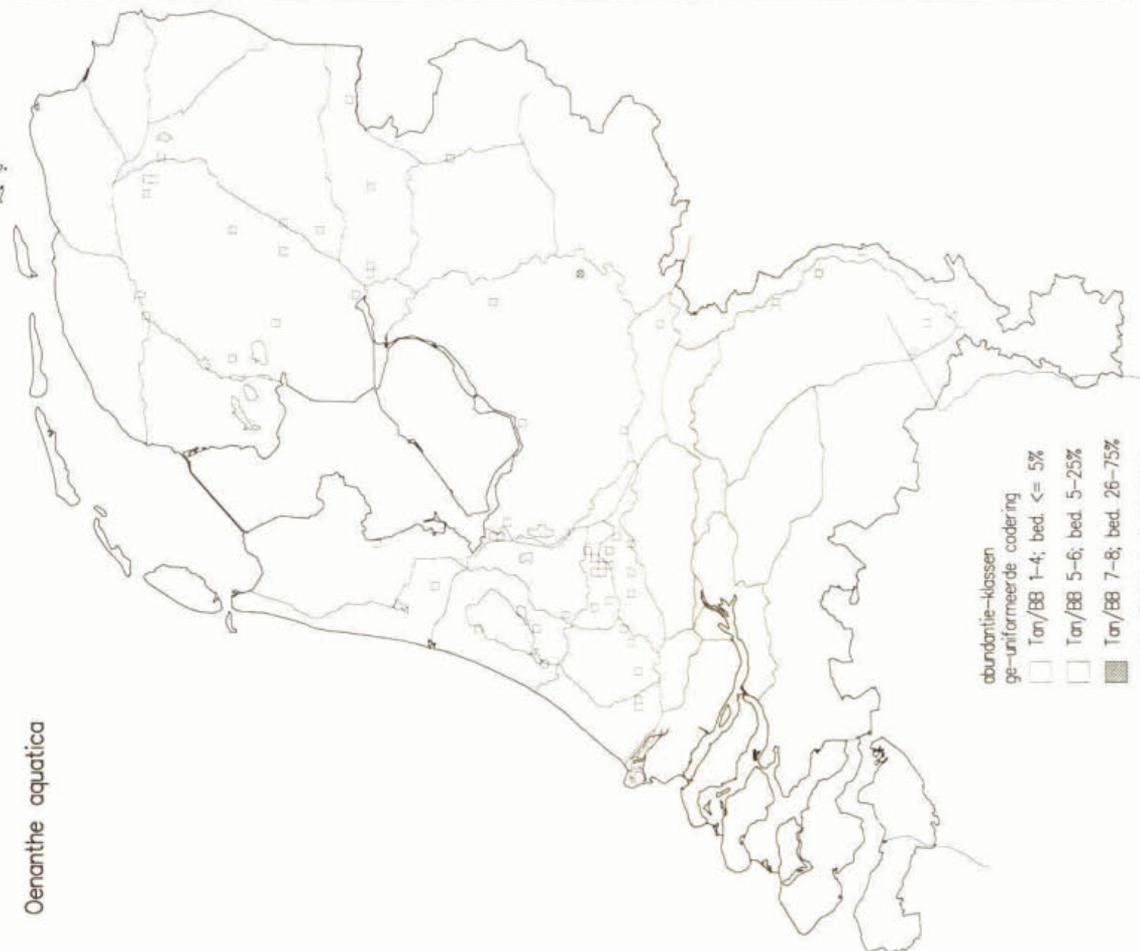
watertypen  sloten  meeren  
 stromende wateren  zand-, grind- en  
 koudes  kleigaten



Nymphoides peltata

Macrofyten : Spermatophyta (zaadplanten)

**Oenanthe aquatica**



abundantie-klassen  
ge-uniformeerde codering  
□ 1-4; bed. <= 5%  
□ 5-6; bed. 5-25%  
■ 7-8; bed. 26-75%  
■ 9; bed. 76-100%

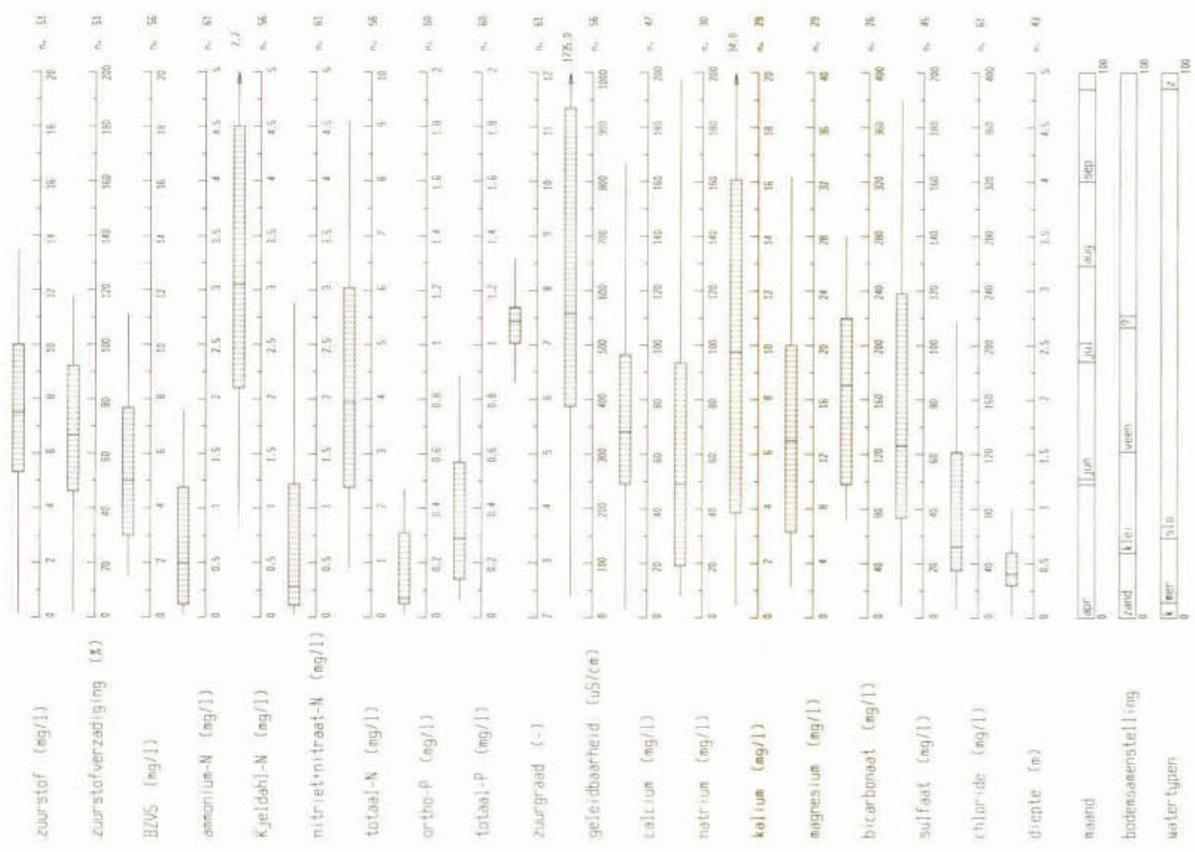
**Oenanthe aquatica**

vargaten : 65  
lokales : 62  
hakken : 55

watertypen  
sluizen  
sloten  
stromende wateren  
kranen

meren  
zand-, grind- en  
kleigaten

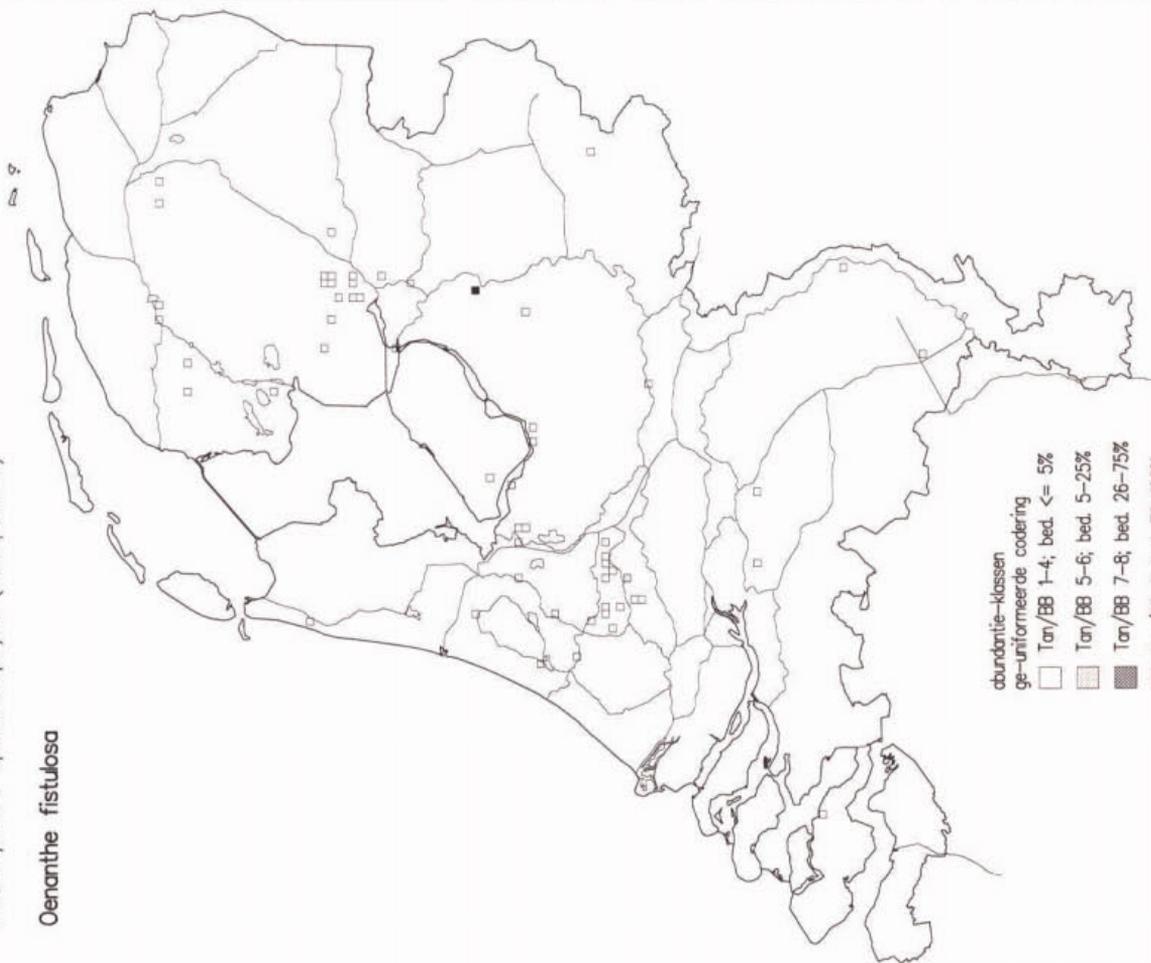
**Oenanthe aquatica**



jaar: Jun Jul Aug Sep  
land: Kie. veen  
kier: 10 100

Macrofyten : Spermatophyta (zaadplanten)

Oenanthe fistulosa



duurzaamheidsklassen  
ge-uniformeerde codering

- Tar/BB 1-4; bed. <= 5%
- Tar/BB 5-6; bed. 5-25%
- Tar/BB 7-8; bed. 26-75%
- Tar/BB 9; bed. 76-100%

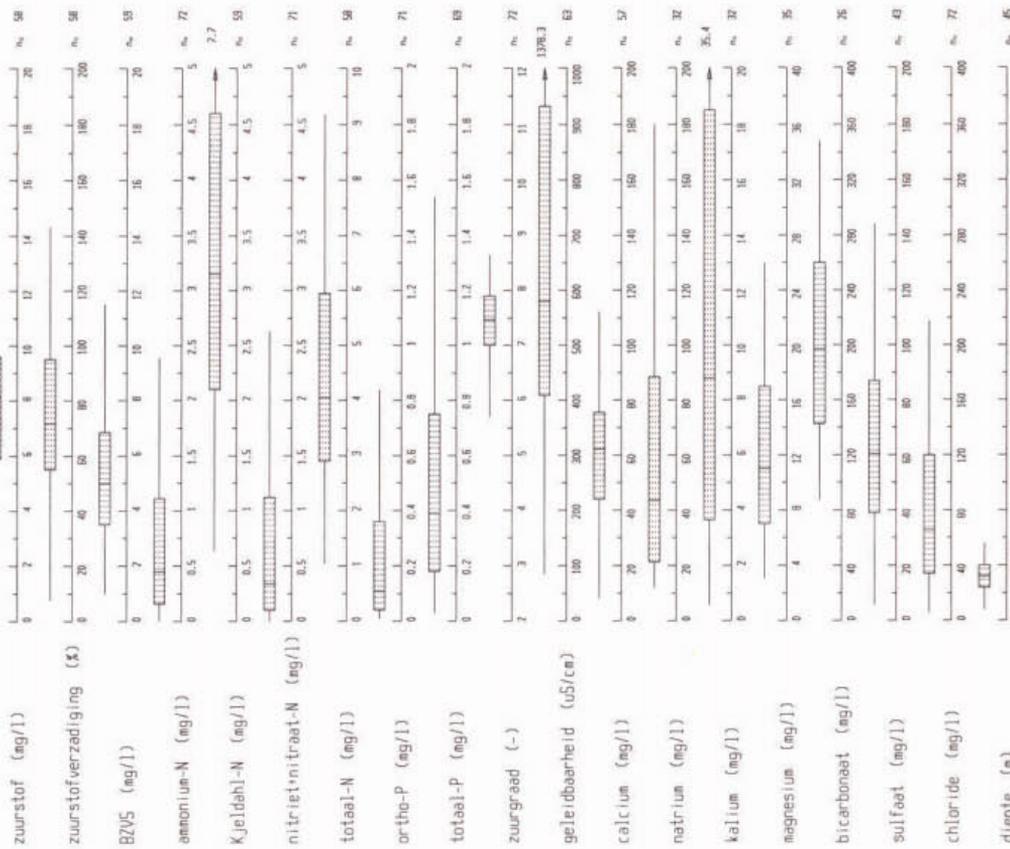
**stowa**

Eco-atlas van waterorganismen

Oenanthe fistulosa

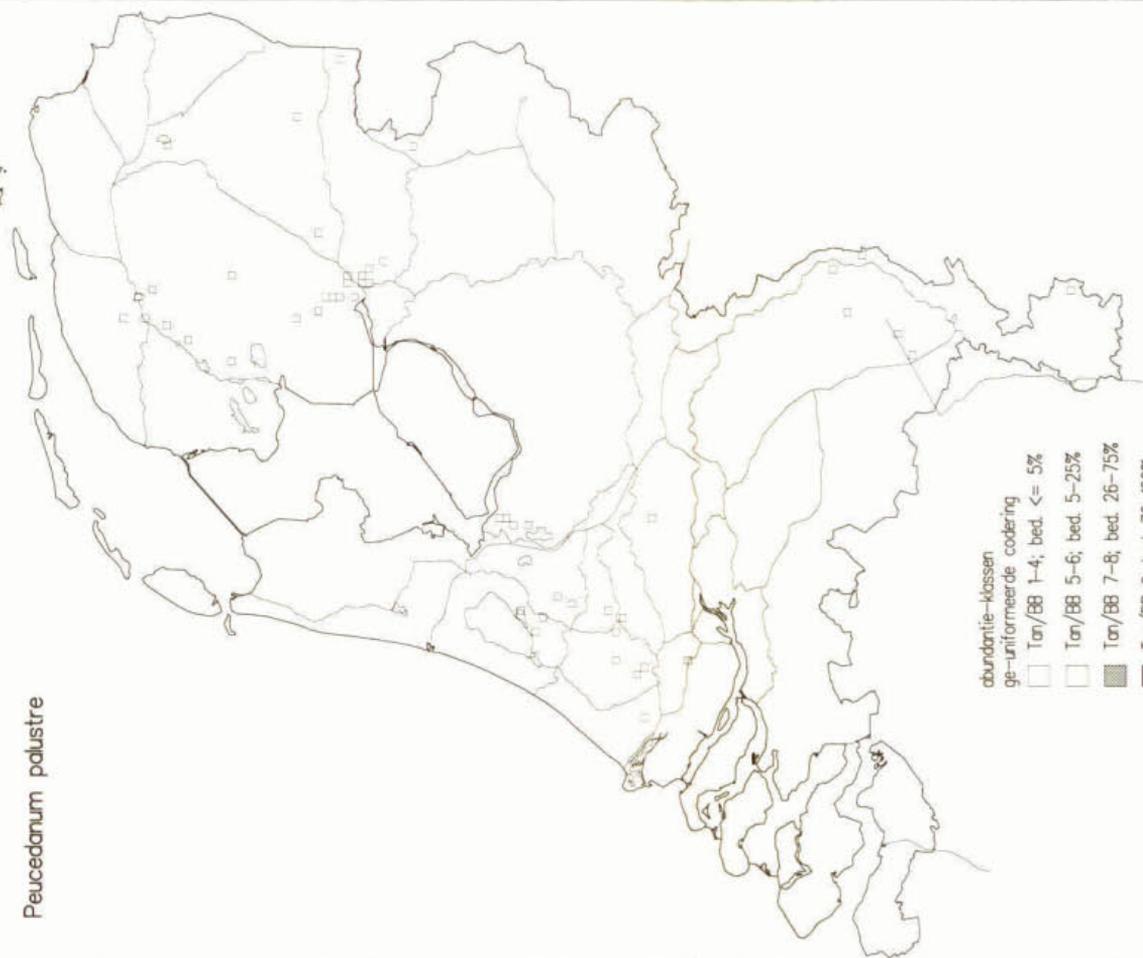
vangsten : 75  
localities : 66  
hokken : 57

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen



maand	mei	jun	jul	aug	sep	okt
bodemsaaistelling	zand		klei		veen	
watertypen	meer		slot		Z	

Macrofyten : Spermatophyta (zaadplanten)  
**Peucedanum palustre**



abundantie-klassen  
 ge-uniformeerde codering  
 □ Ton/BB 1-4; bed. <= 5%  
 □ Ton/BB 5-6; bed. 5-25%  
 □ Ton/BB 7-8; bed. 26-75%  
 ■ Ton/BB 9; bed. 76-100%

**stowa**

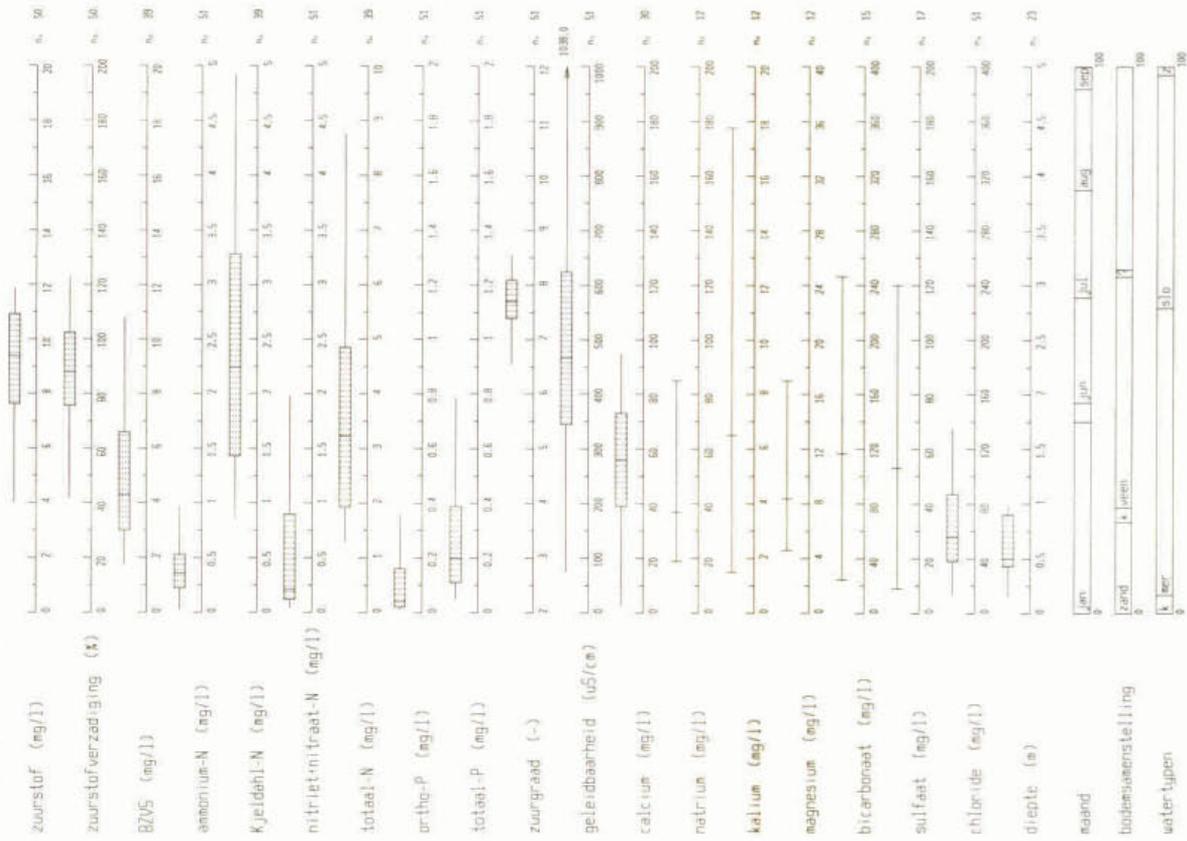
Eco-atlas van waterorganismen

**Peucedanum palustre**

vangsten : 61  
 locaties : 56  
 hokken : 50

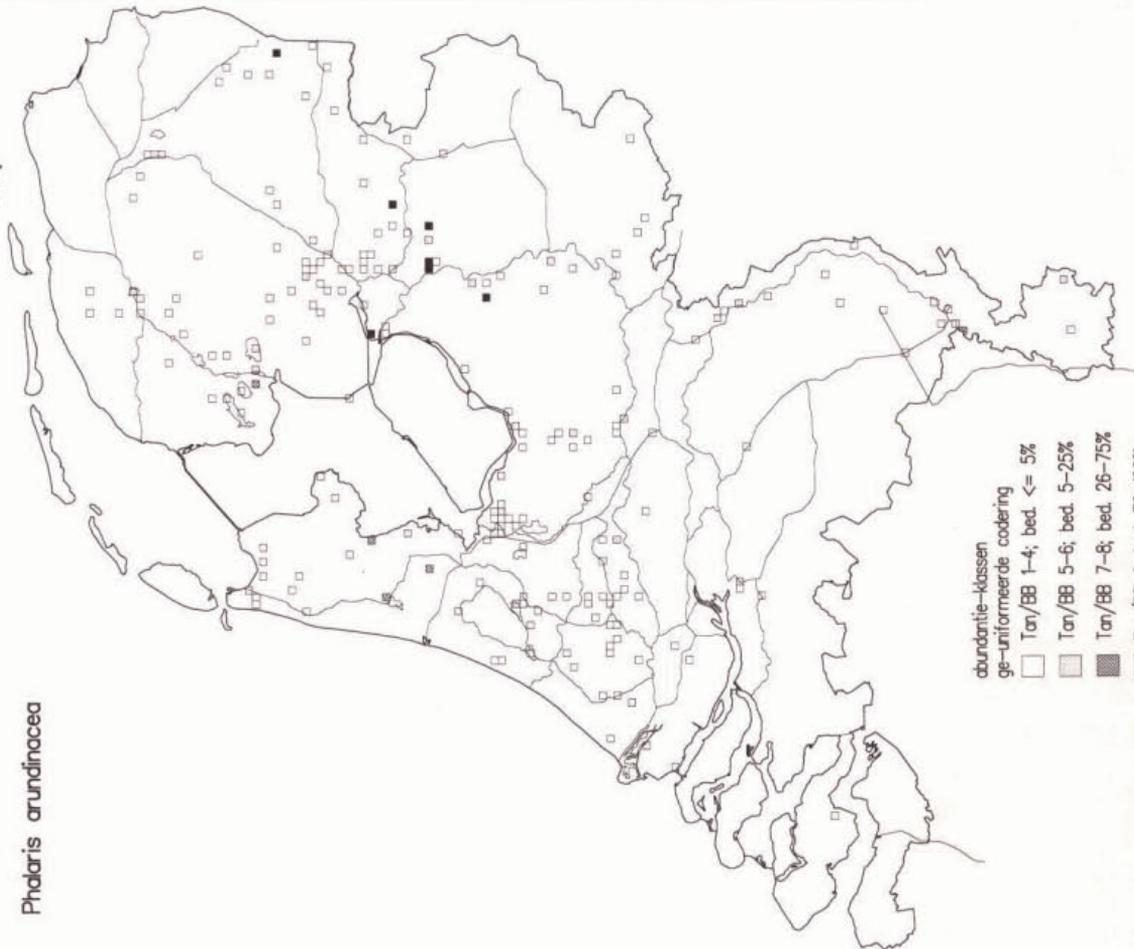
watertypen  sloten  meren   
 stromende wateren  zand-, grind- en kleigaten   
 kanden

**Peucedanum palustre**



Macrofyten : Spermatophytia (zaadplanten)

Phalaris arundinacea



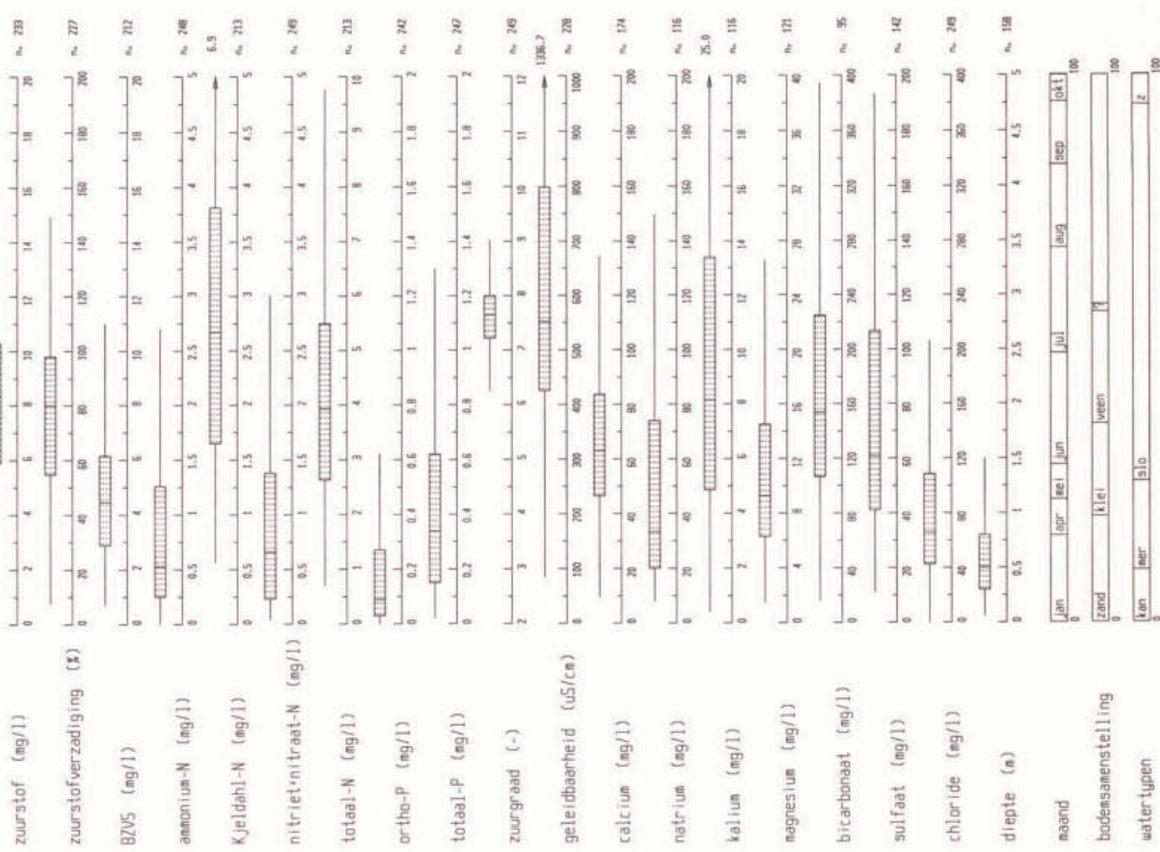
abundantie-klassen  
ge-uniformeerde codering  
 1  
 2  
 3  
 4

**stowa**  
Eco-atlas van waterorganismen

Phalaris arundinacea

vangsten : 269  
 locaties : 232  
 hokken : 204

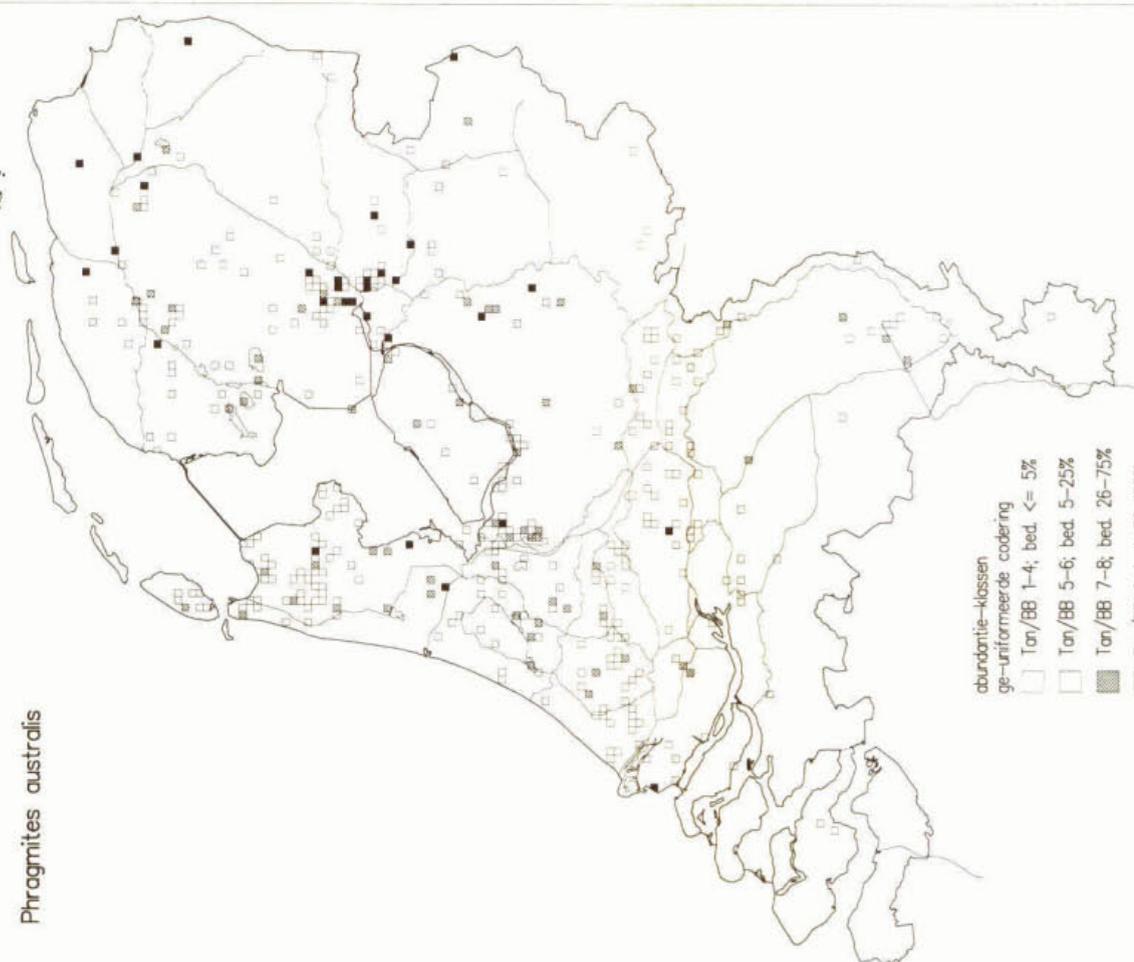
watertypen  
 sloten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten  
 kanden



maand  
 bodemsamenstelling  
 watertypen

jan apr mei jun jul aug sep okt  
 zand klei leem  
 lun her sla

Macrofyten : Spermatophyta (zaadplanten)  
Phragmites australis



abundantie-klassen  
ge-uniformeerde codering  
 Ton/BB 1-4; bed. <= 5%  
 Ton/BB 5-6; bed. 5-25%  
 Ton/BB 7-8; bed. 26-75%  
 Ton/BB 9; bed. 76-100%

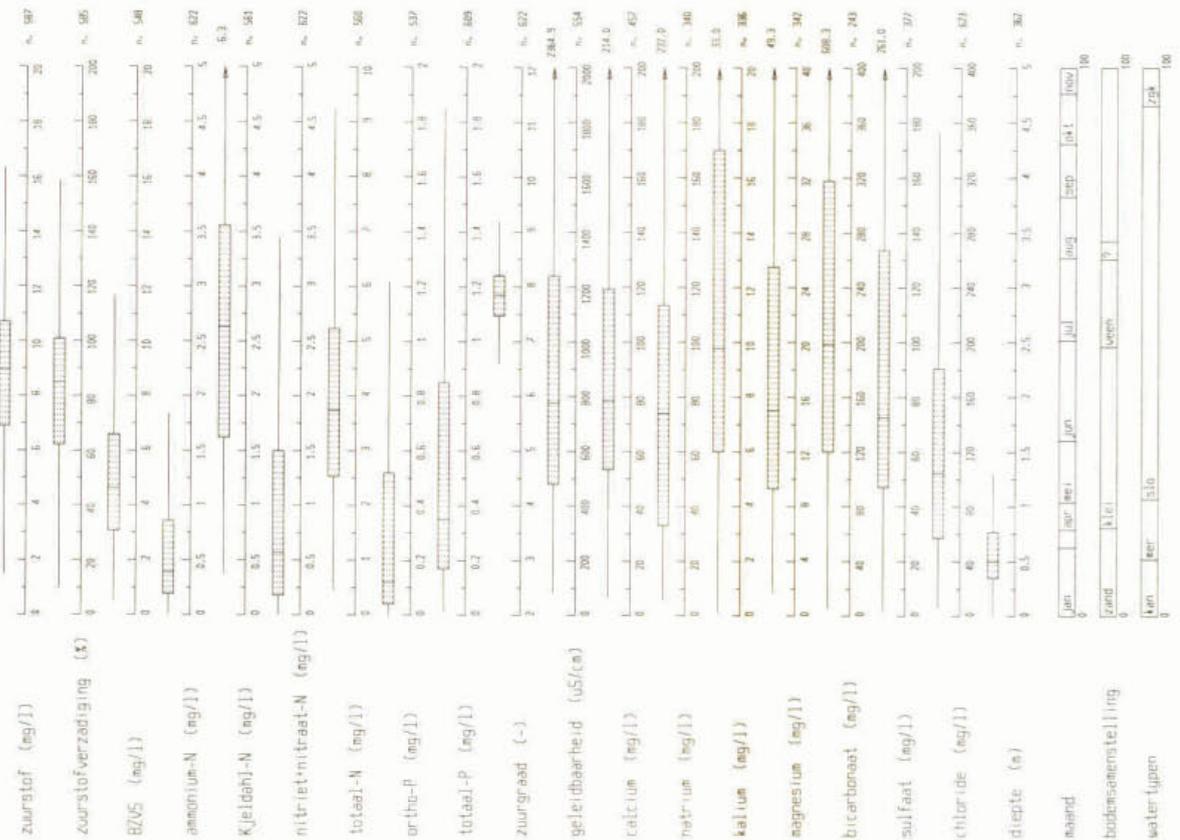
Phragmites australis

vangsten : 663  
 locaties : 472  
 hakken : 399

watertypen  
 sloten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen

**stowa**  
 Eco-atlas van waterorganismen

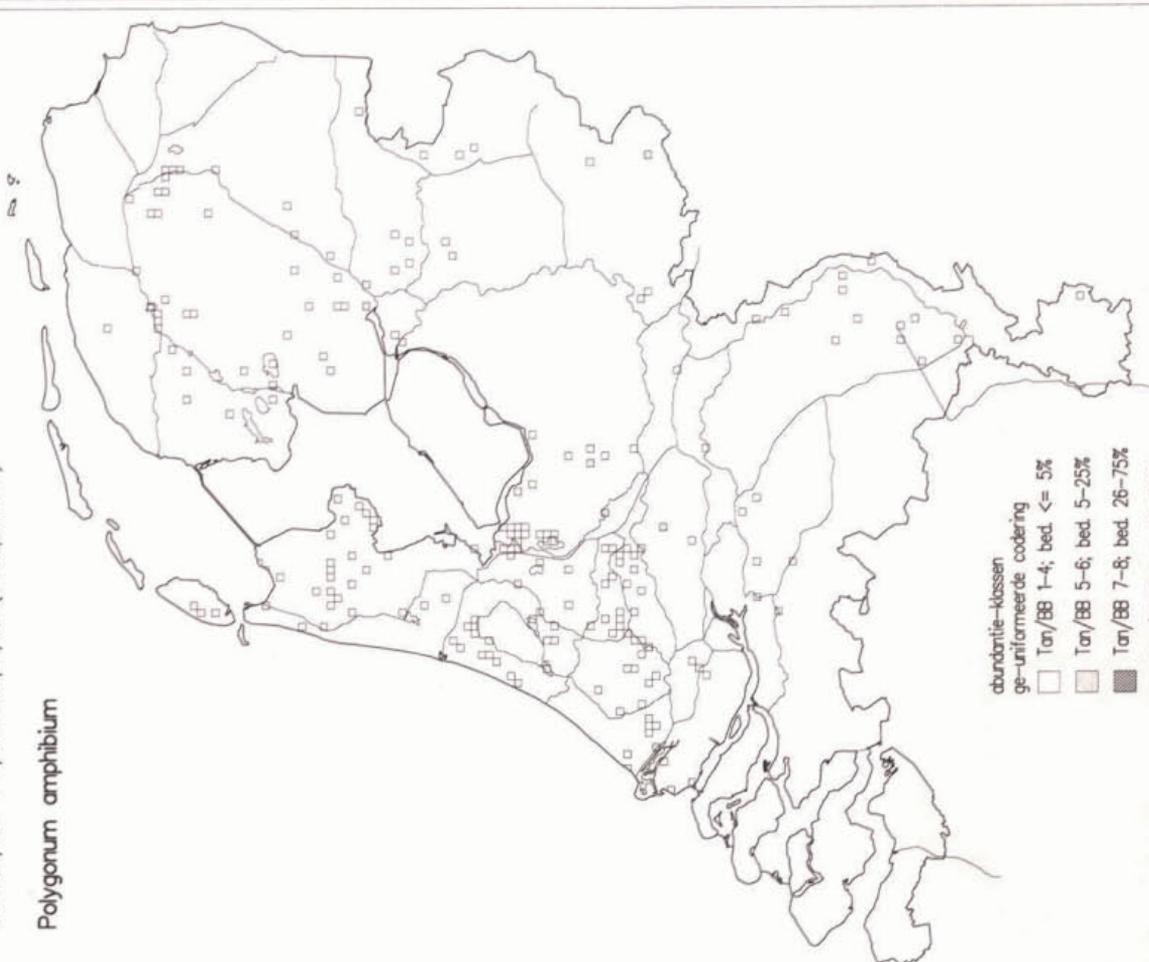
Phragmites australis



jan	feb	mar	apr	mei	jun	jul	aug	sep	okt	nov	dec
maand											
bodemsamenstelling											
water typen											

Macrophyten : Spermatophyta (zaadplanten)

Polygonum amphibium



abundantie-klassen  
ge-uniformeerde codering

- 1-4; bed. <= 5%
- 5-6; bed. 5-25%
- 7-8; bed. 26-75%
- 9; bed. 76-100%

Polygonum amphibium

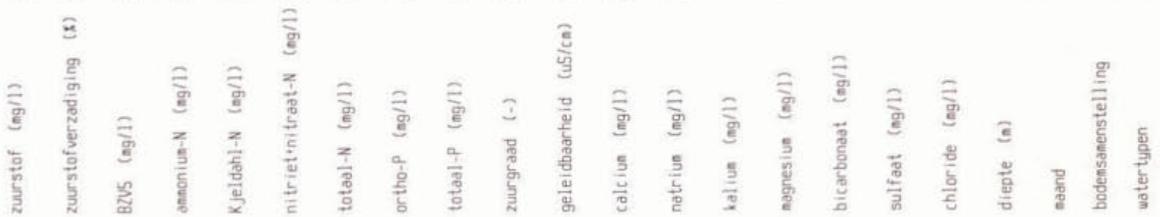
- sloten
- stromende wateren
- meren
- zand-, grind- en kleigaten

vangsten : 293  
locaties : 236  
hokken : 205

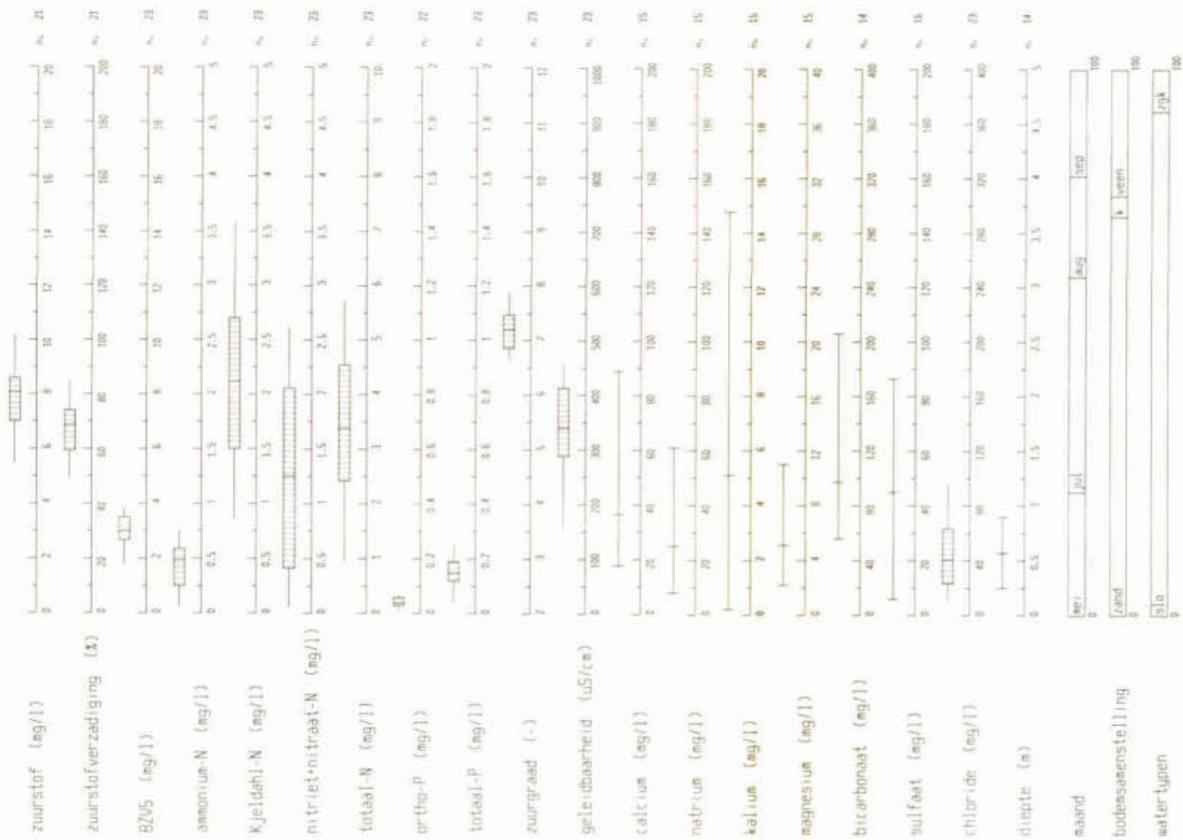
**stowa**

Eco-atlas van waterorganismen

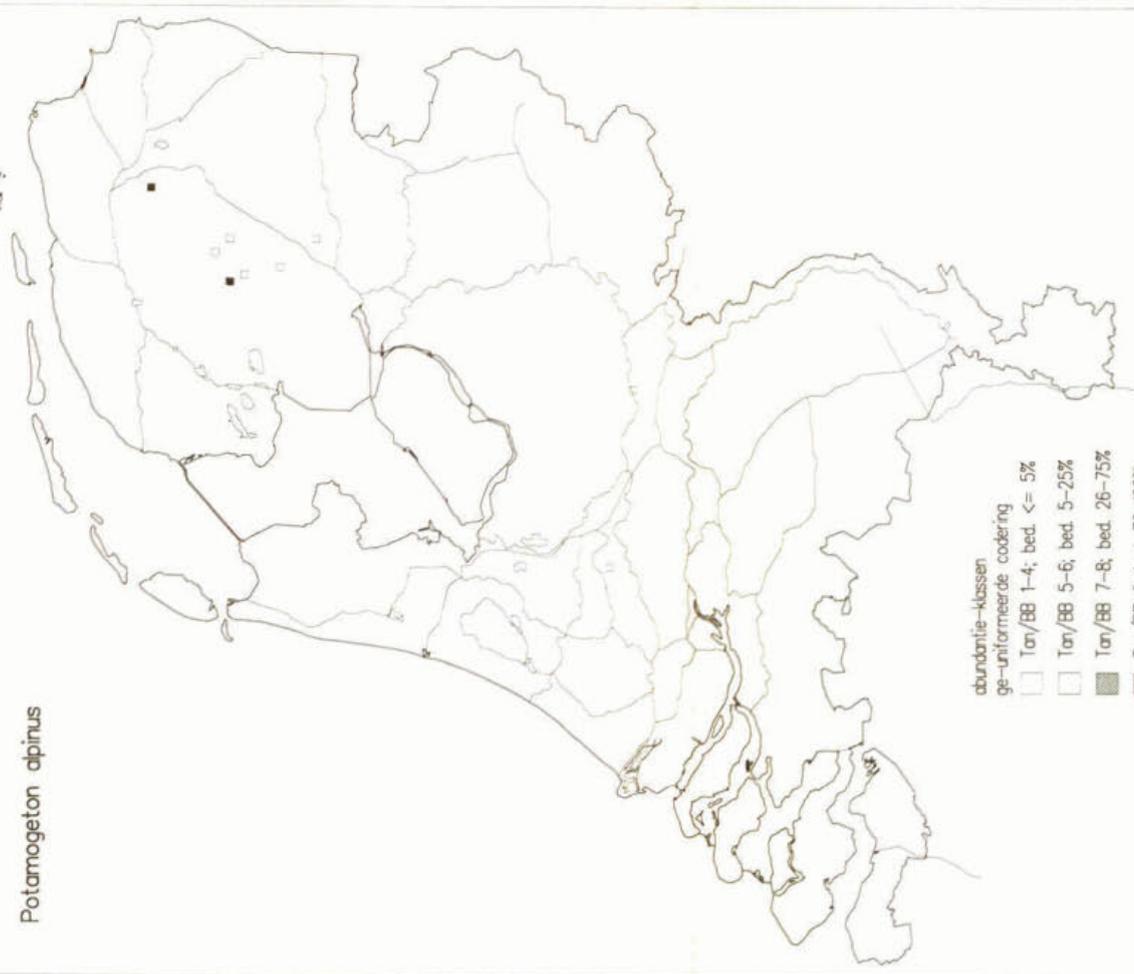
Polygonum amphibium



Potamogeton alpinus



Macrofyten : Spermatophyta (zaadplanten)  
Potamogeton alpinus



abundantie-classes  
ge-uniformeerde codering  
□ T0n/BB 1-4; bed. <= 5%  
□ T0n/BB 5-6; bed. 5-25%  
■ T0n/BB 7-8; bed. 26-75%  
■ T0n/BB 9; bed. 76-100%

Potamogeton alpinus

vangsten : 26  
localities : 9  
holken : 9

water-typen  
 slöten  
 stromende wateren  
 landen

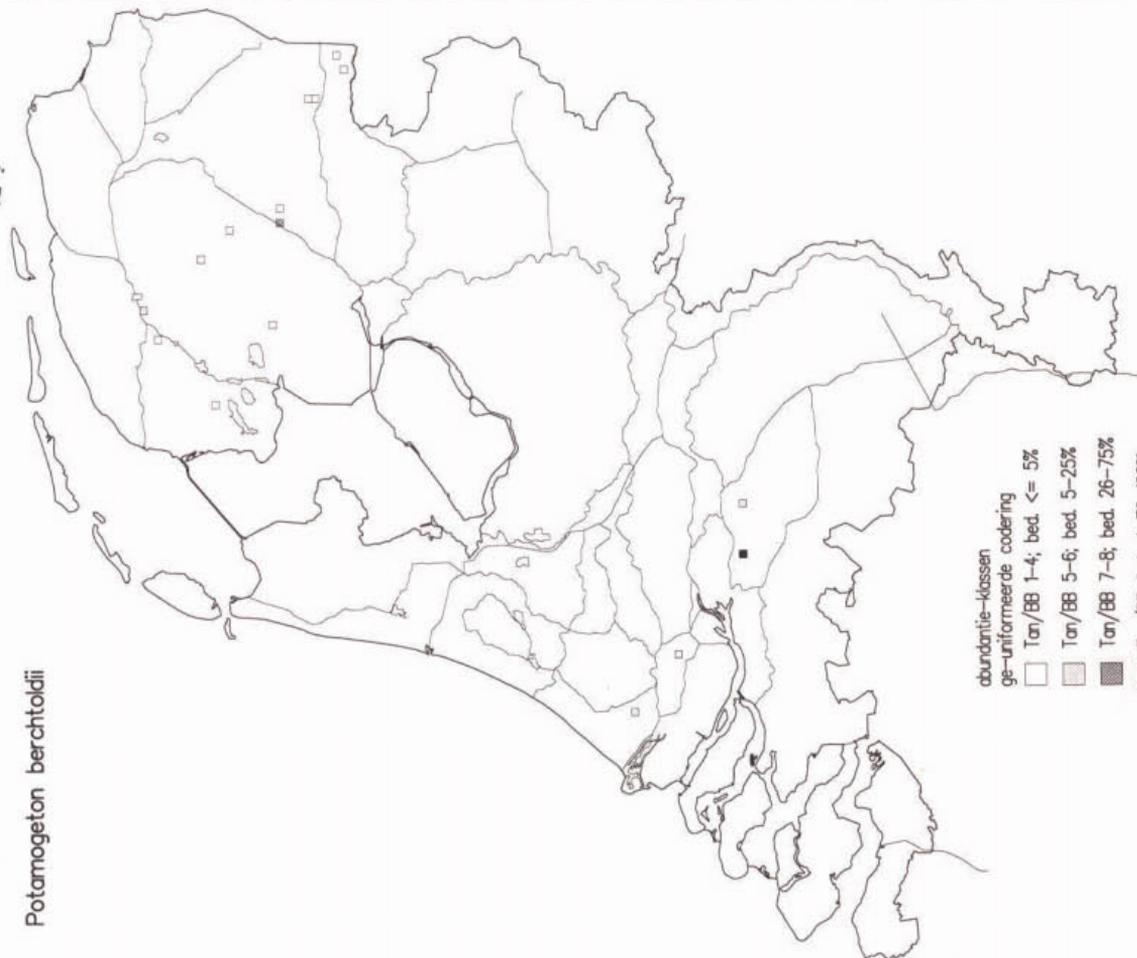
meren  
 zand-, grind- en kleigaten



Eco-atlas van waterorganismen

Macrofyten : Spermatophyta (zaadplanten)

Potamogeton berchtoldii



abundantie-klassen  
ge-uniforme codering

- ☐ Ton/BB 1-4; bed. <= 5%
- ▨ Ton/BB 5-6; bed. 5-25%
- ▩ Ton/BB 7-8; bed. 26-75%
- Ton/BB 9; bed. 76-100%



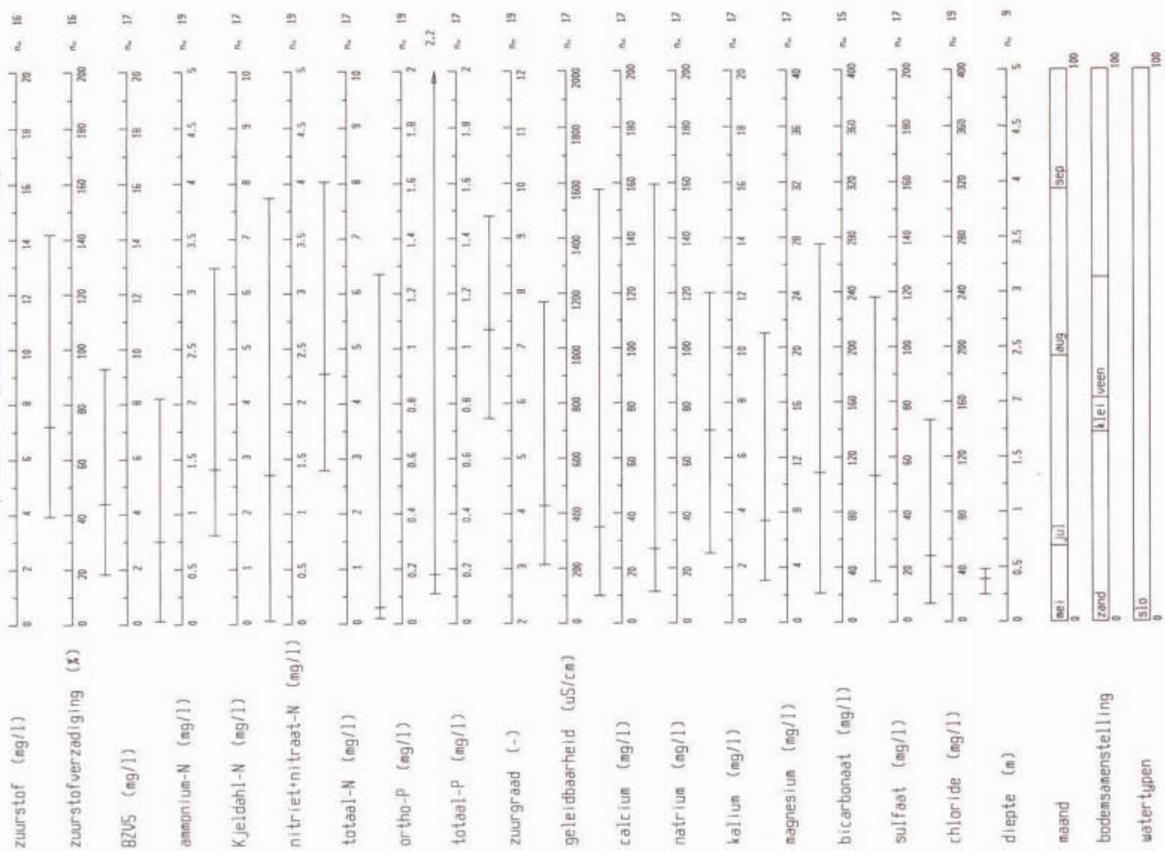
Eco-atlas van waterorganismen

vangsten : 21  
locaties : 18  
hakken : 16

Potamogeton berchtoldii

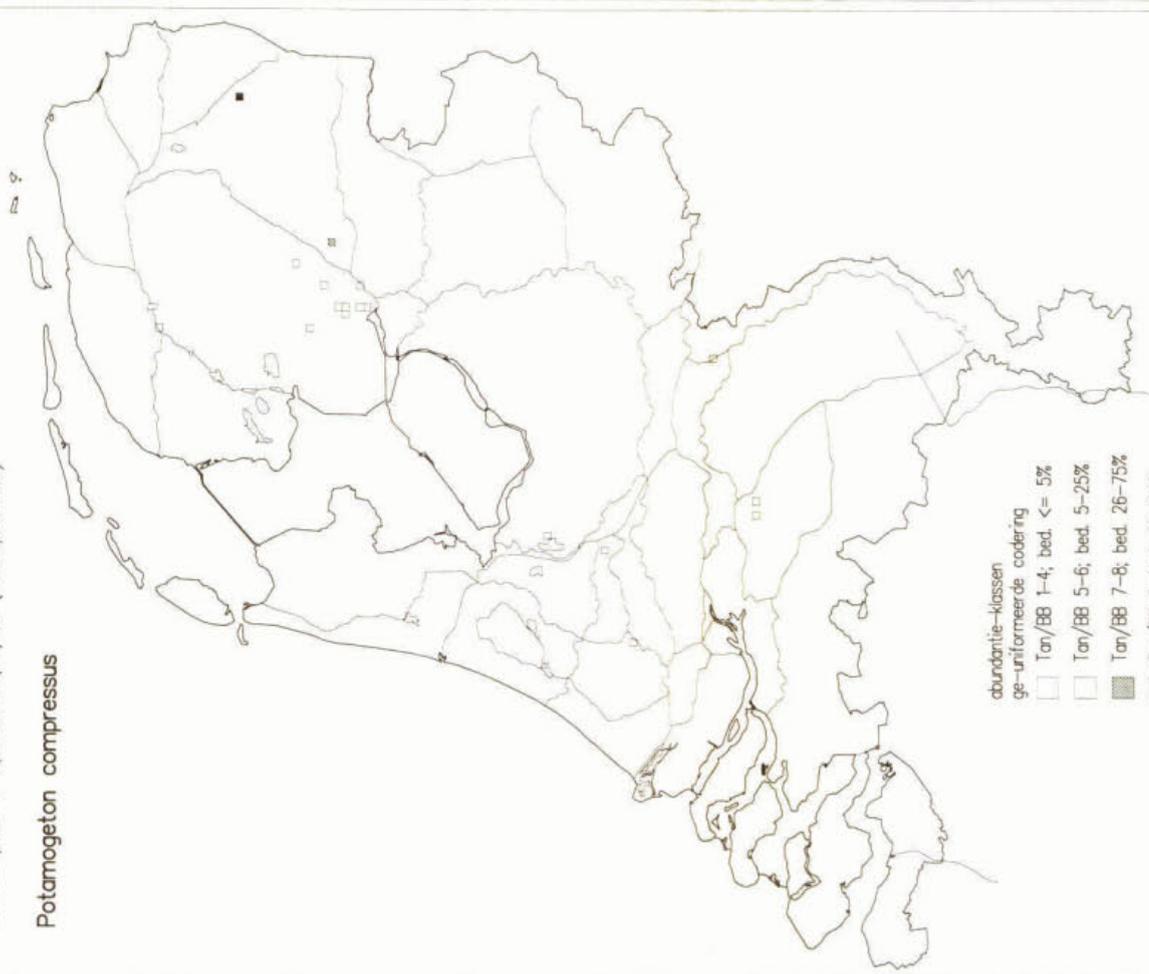
watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanden

Potamogeton berchtoldii



maand: mei, jun, jul, aug, sep  
 bodemsamenstelling: zand, klei, veen  
 watertypen: 0, 100

Macrofyten : Spermatophyta (zaadplanten)  
Potamogeton compressus



abundantie-klassen  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. <= 5%  
□ Ton/BB 5-6; bed. 5-25%  
■ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

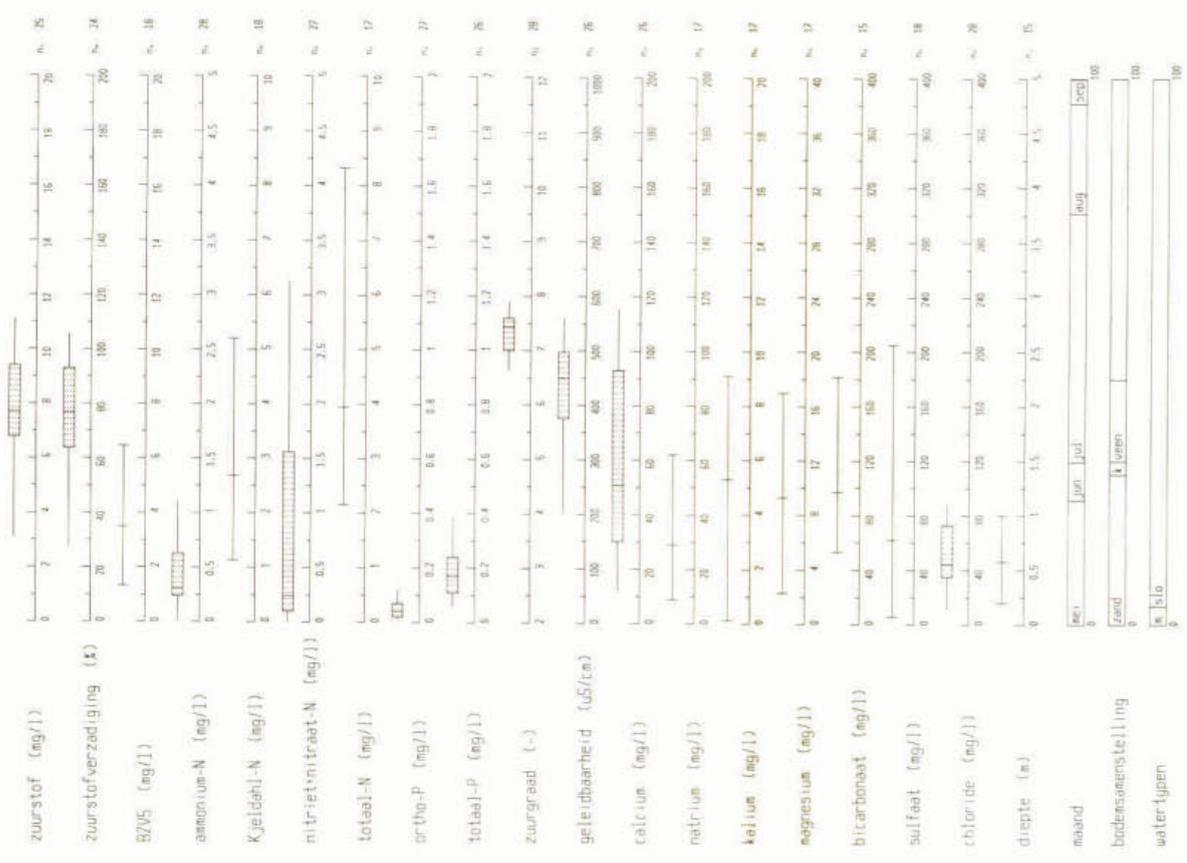
Potamogeton compressus

vangsten : 28  
localities : 21  
hakken : 18

watertypen 10 slotten  
stromende wateren  
kanalen

50 meren  
zand-, grind- en kleigaten

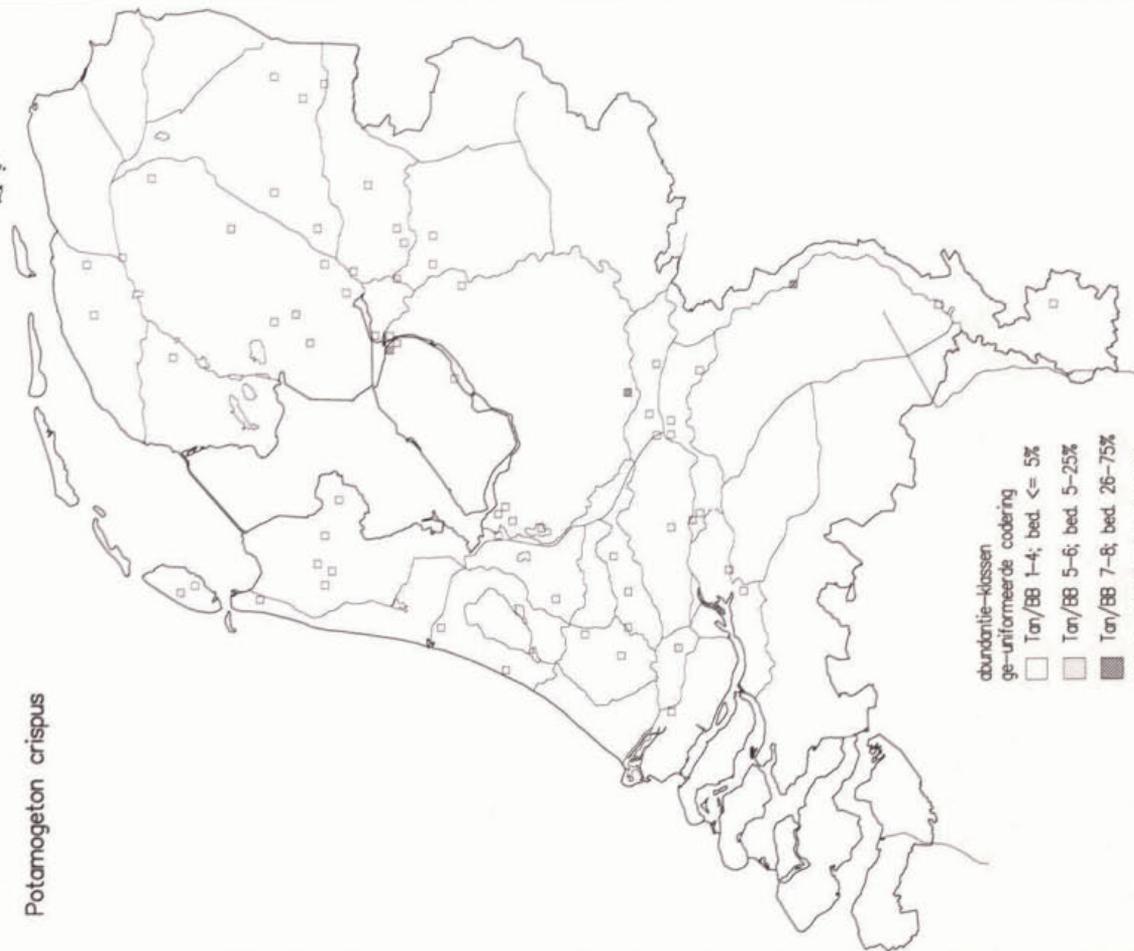
Potamogeton compressus



maand	mei	jun	jul	aug	sep
locatie	100				
waterlopen	100				
waterlopen	100				

Macrofyten : Spermatophyta (zaadplanten)

Potamogeton crispus



abundantie-klassen  
ge-uniformeerde codering  
 T<sub>α</sub>/BB 1-4; bed. <= 5%  
 T<sub>α</sub>/BB 5-6; bed. 5-25%  
 T<sub>α</sub>/BB 7-8; bed. 26-75%  
 T<sub>α</sub>/BB 9; bed. 76-100%

**stowa**

Eco-atlas van waterorganismen

Potamogeton crispus

vangsten : 92  
 localities : 73  
 hokken : 67

watertypen  
 sloten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten  
 kanden

Potamogeton crispus

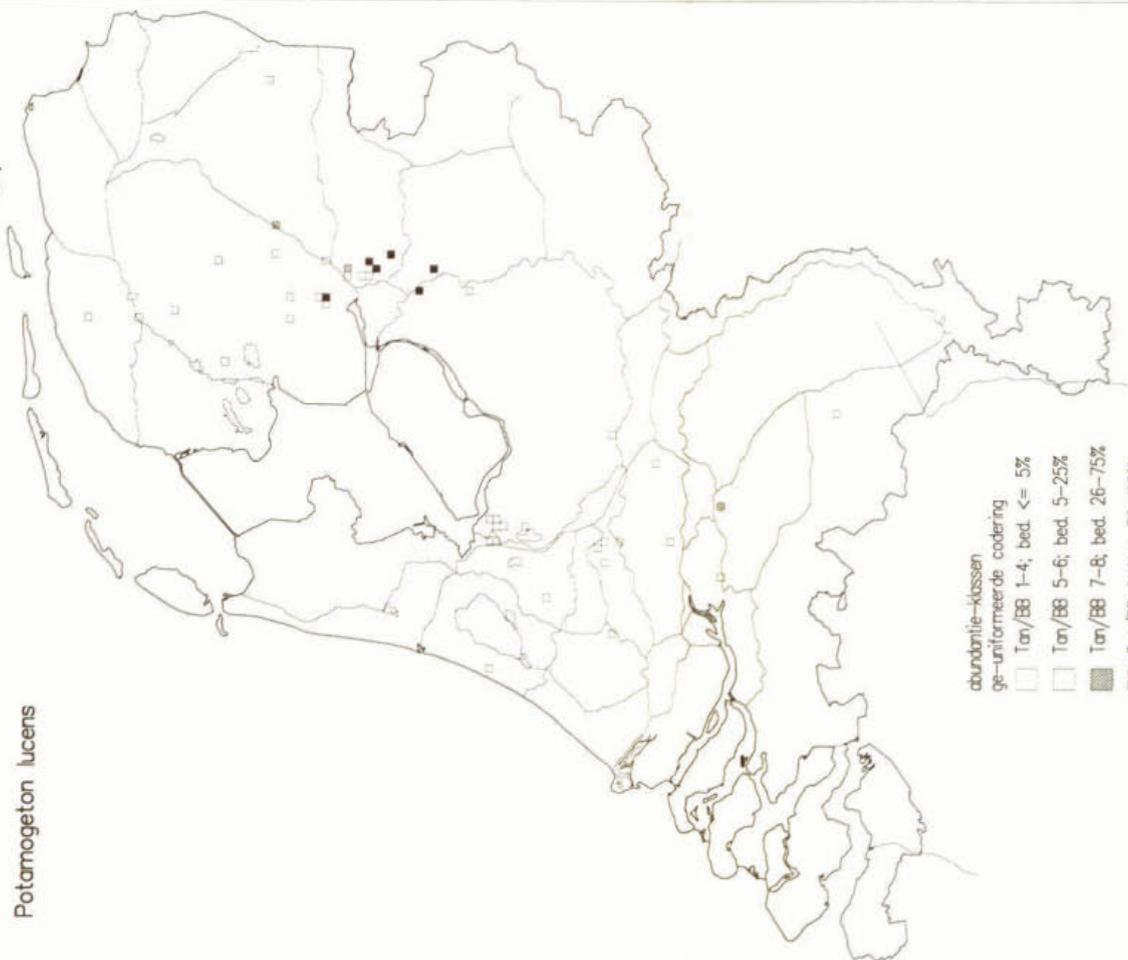


maand  
 zand  
 kan

jan  
 mei  
 sep  
 okt  
 100  
 100  
 100

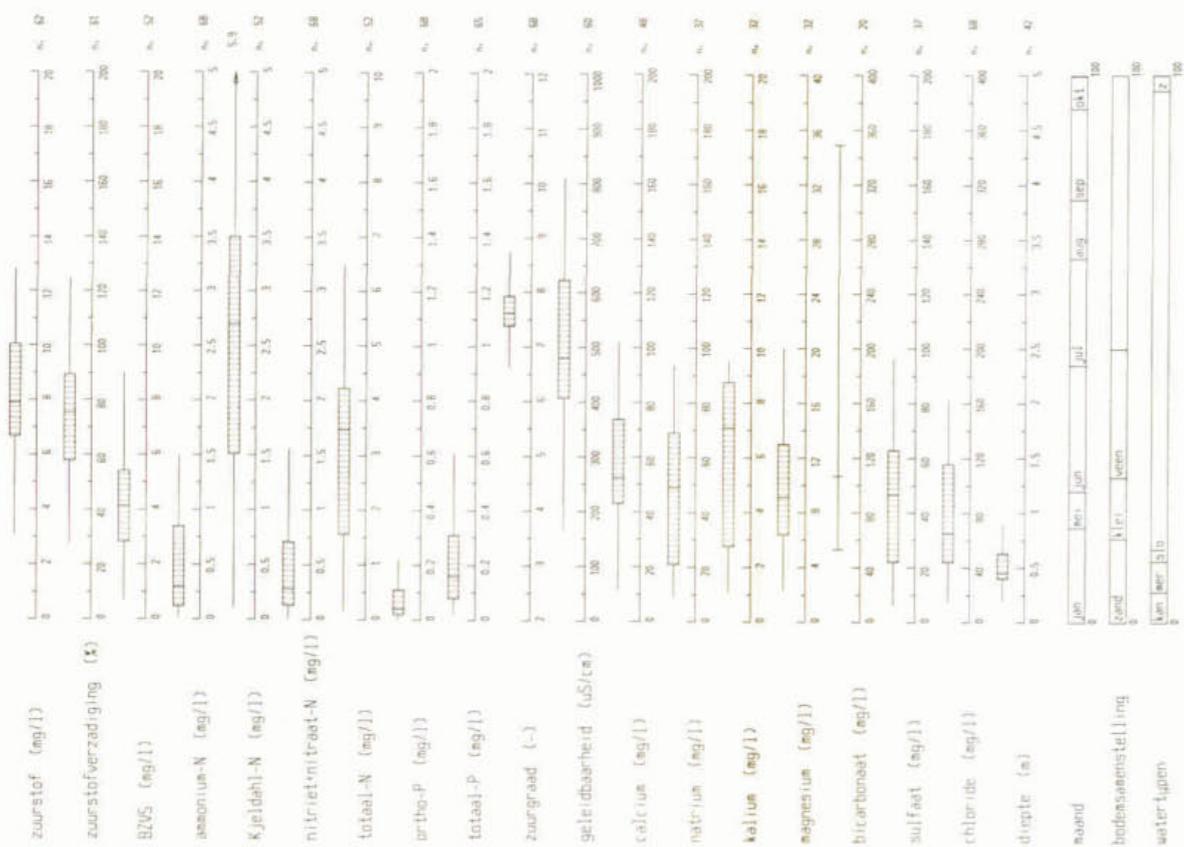
Macrofyten : Spermatophyta (zaadplanten)

Potamogeton lucens



abundantie-klassen  
ge-uniformeerde codering  
□ Tan/BB 1-4; bed. <= 5%  
□ Tan/BB 5-6; bed. 5-25%  
■ Tan/BB 7-8; bed. 26-75%  
■ Tan/BB 9; bed. 76-100%

Potamogeton lucens



Potamogeton lucens

vangsten : 70  
localities : 51  
hakken : 44

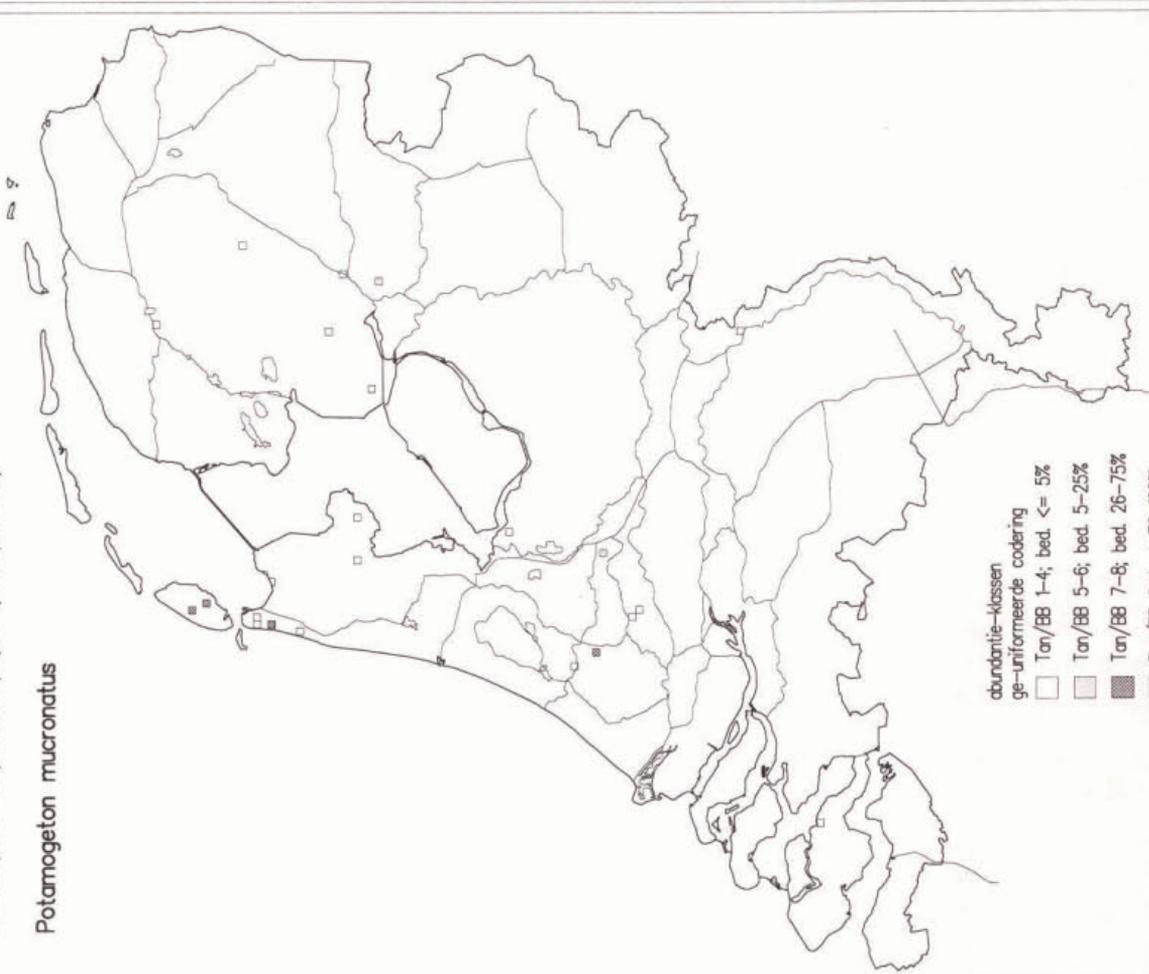
watertypen  
□ slotten  
□ meren  
□ stromende wateren  
□ zand-, grind- en kleigaten  
□ kanalen

**stowa**

Eco-atlas van waterorganismen

Macrofyten : Spermatophyta (zaadplanten)

Potamogeton mucronatus



abundantie-klassen  
ge-uniformeerde codering  
 Ton/BB 1-4; bed. ≤ 5%  
 Ton/BB 5-6; bed. 5-25%  
 Ton/BB 7-8; bed. 26-75%  
 Ton/BB 9; bed. 76-100%

vangsten : 29  
 localities : 26  
 hokken : 24

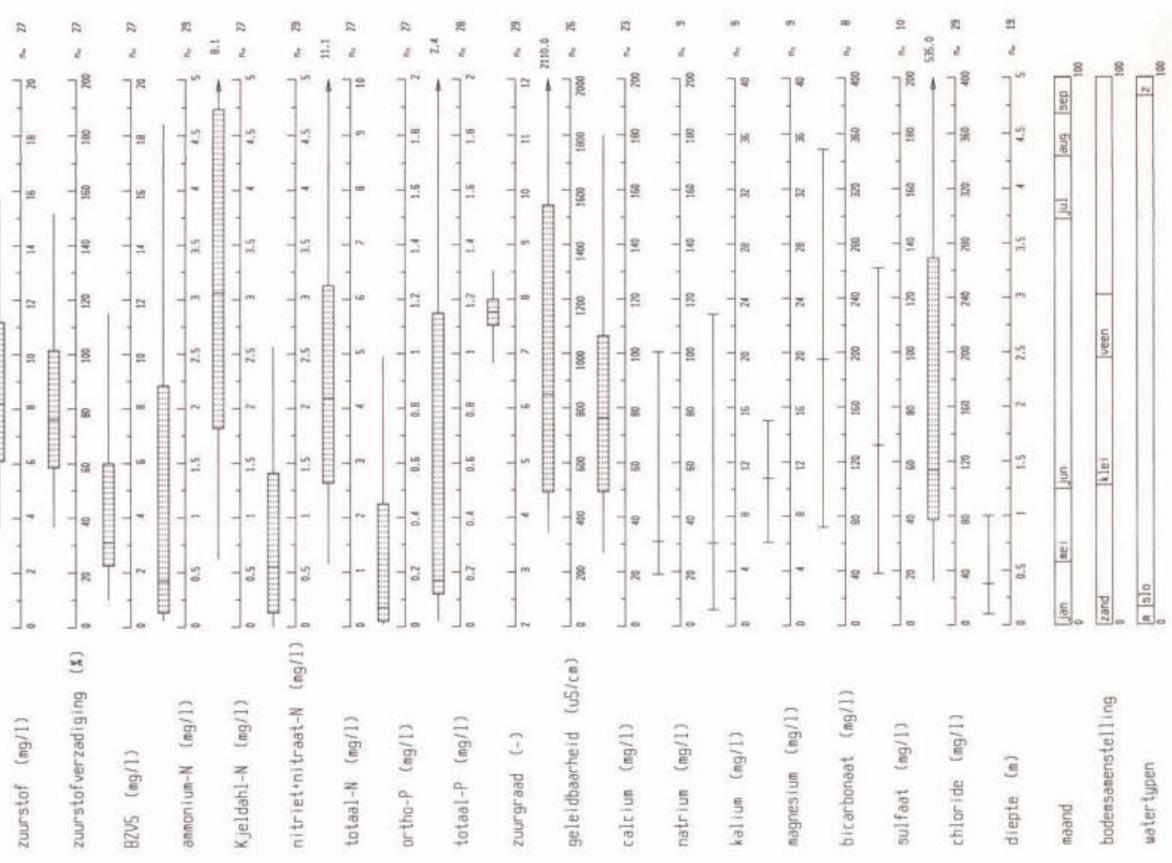
**stowa**  
 Eco-atlas van waterorganismen

Potamogeton mucronatus

meren  
 zand-, grind- en kleigaten

sloten  
 stromende wateren  
 kanden

Potamogeton mucronatus



jan	feb	jun	jul	aug	sep
zand					
klei					
veen					
m					
s					
0					
100					
2					
100					

Macrofyten : Spermatophyta (zaadplanten)

Potamogeton natans



abundantie-klassen  
 ge-uniformeerde codering  
 □ Ton/BB 1-4; bed. <= 5%  
 □ Ton/BB 5-6; bed. 5-25%  
 ■ Ton/BB 7-8; bed. 25-75%  
 ■ Ton/BB 9; bed. 76-100%

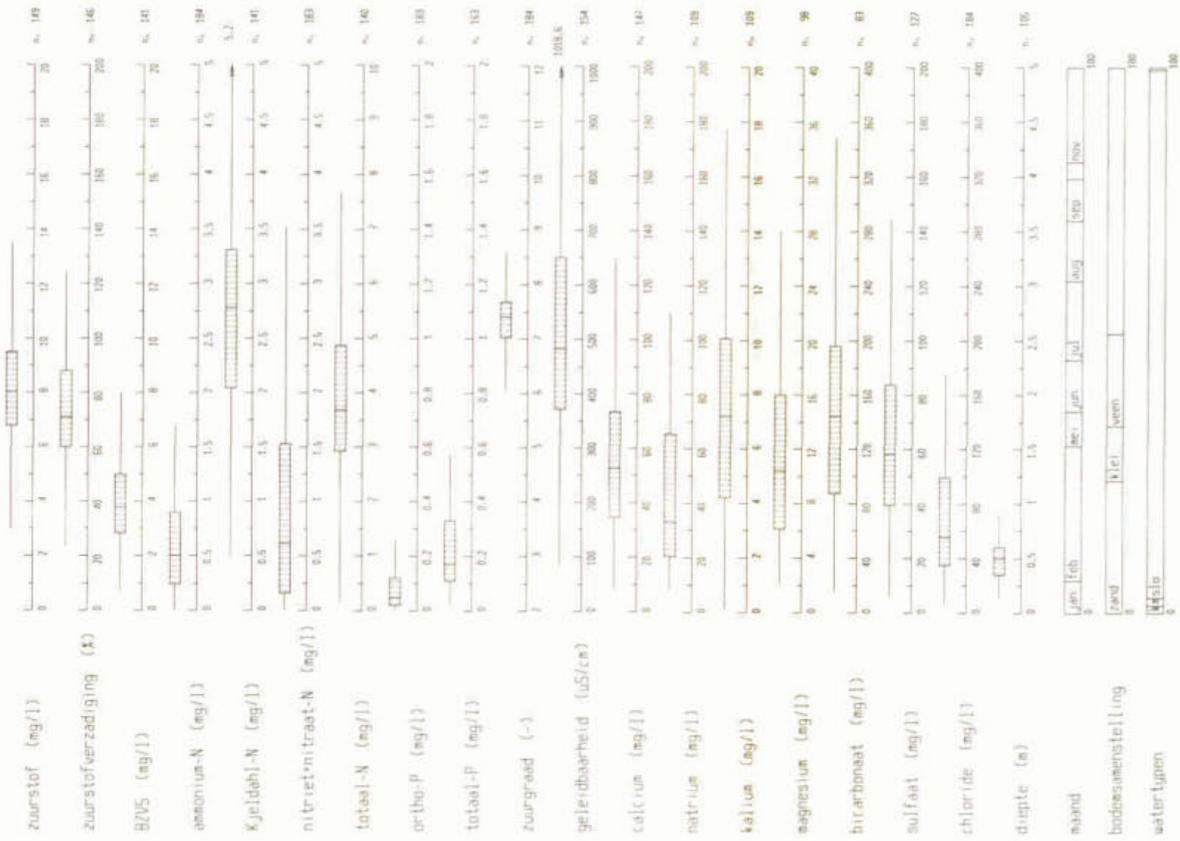
Potamogeton natans

vangsten : 105  
 locaties : 141  
 hokken : 105

sloten  
 stromende wateren  
 kanden

meren  
 zand-, grind- en kleigaten

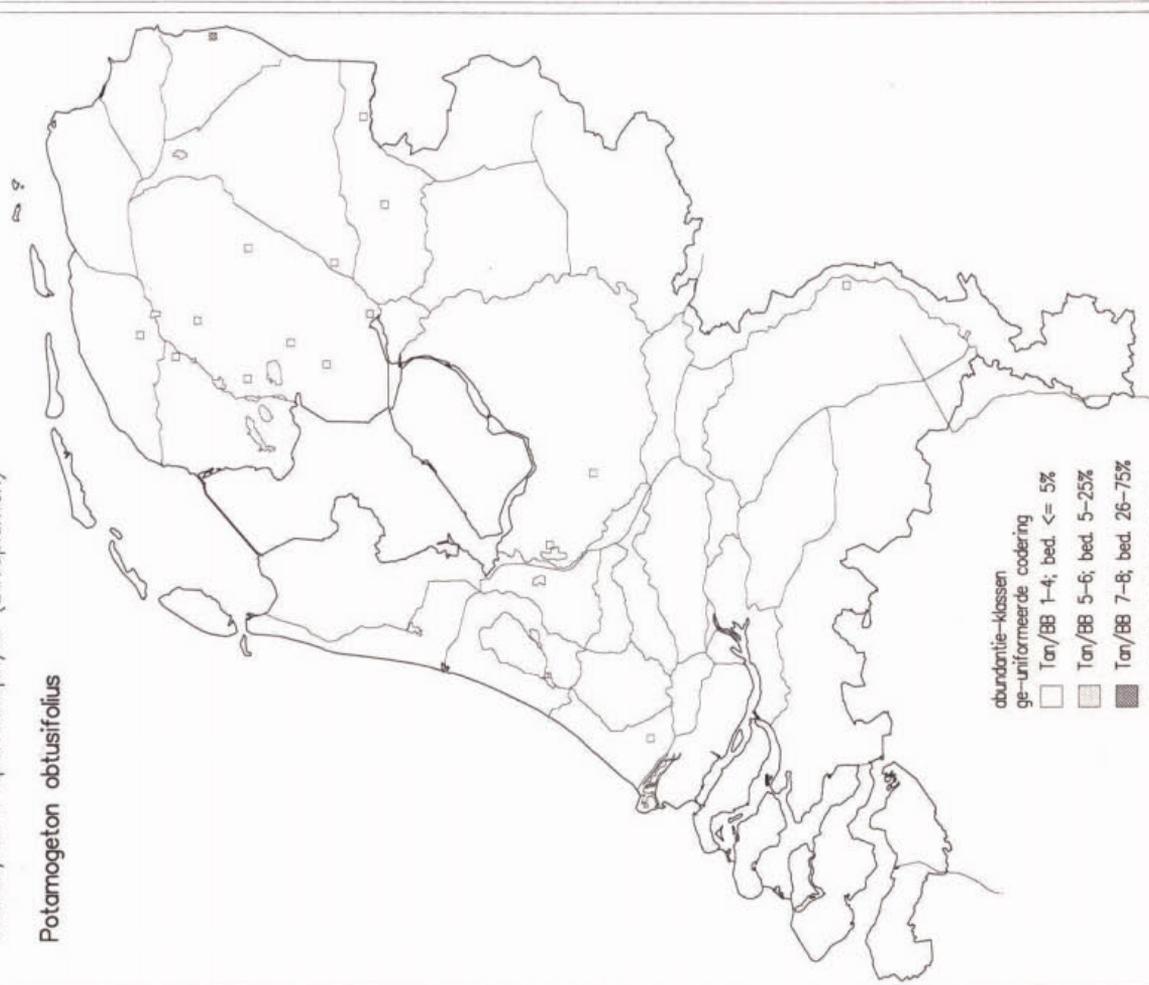
Potamogeton natans



maand: Jan, Feb, Mar, Apr, Mei, Jun, Jul, Aug, Sep, Okt, Nov, Dec  
 bodemgesteldheid: zand, klei, veen  
 water-typen: 1, 2, 3, 4, 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, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

Macrofyten : Spermatophyta (zaadplanten)

Potamogeton obtusifolius



abundantie-klassen  
ge-uniformeerde codering

- Tan/BB 1-4; bed. <= 5%
- Tan/BB 5-6; bed. 5-25%
- Tan/BB 7-8; bed. 26-75%
- Tan/BB 9; bed. 76-100%

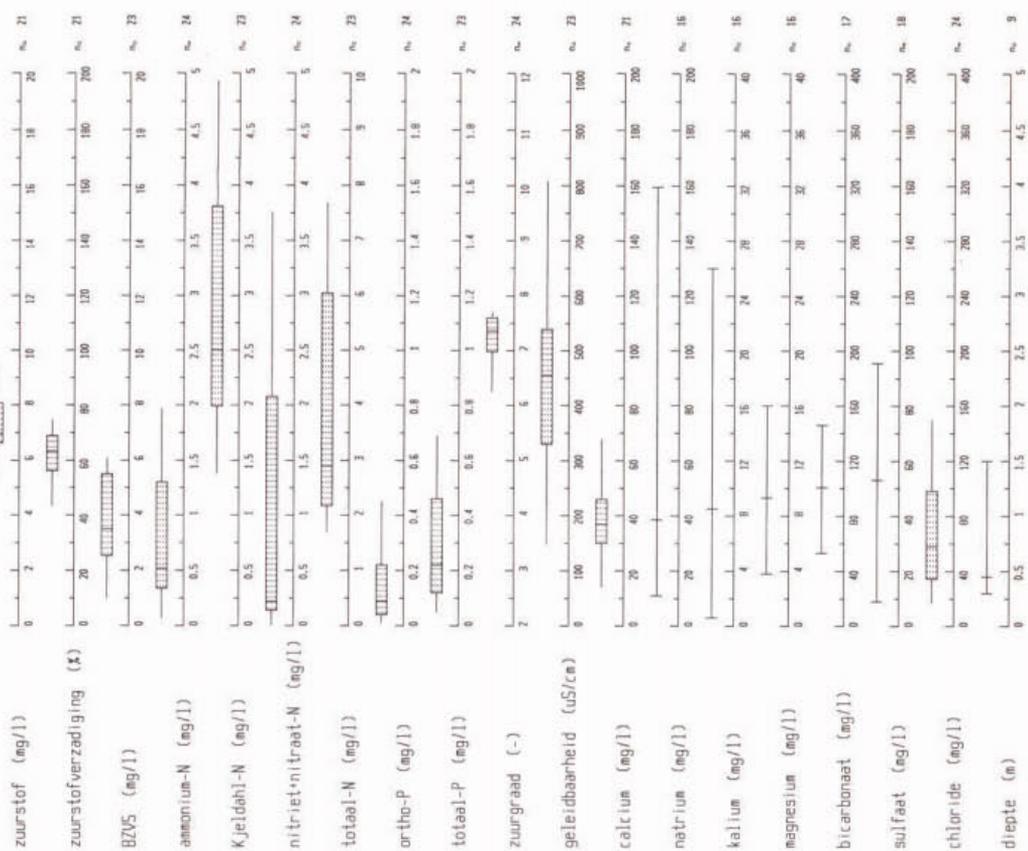
**stowa**

Eco-atlas van waterorganismen

Potamogeton obtusifolius

vangsten : 25  
localities : 19  
hokken : 16

watertypen  sloten  mieren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen



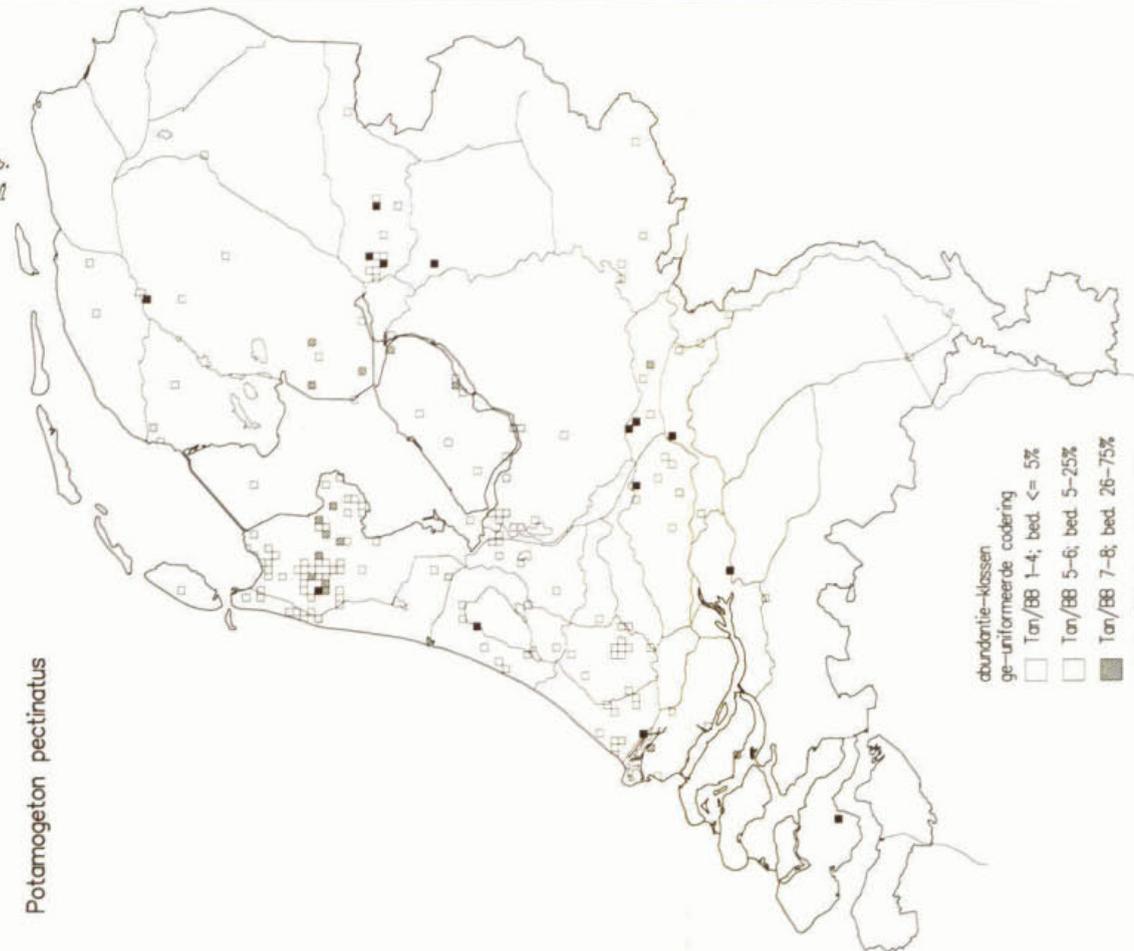
maand  mei  jun  jul  aug  sep  okt

bodem samenstelling  zand  klei  veen

watertypen  beek  sloot

Macrofyten : Spermatophyta (zaadplanten)

Potamogeton pectinatus



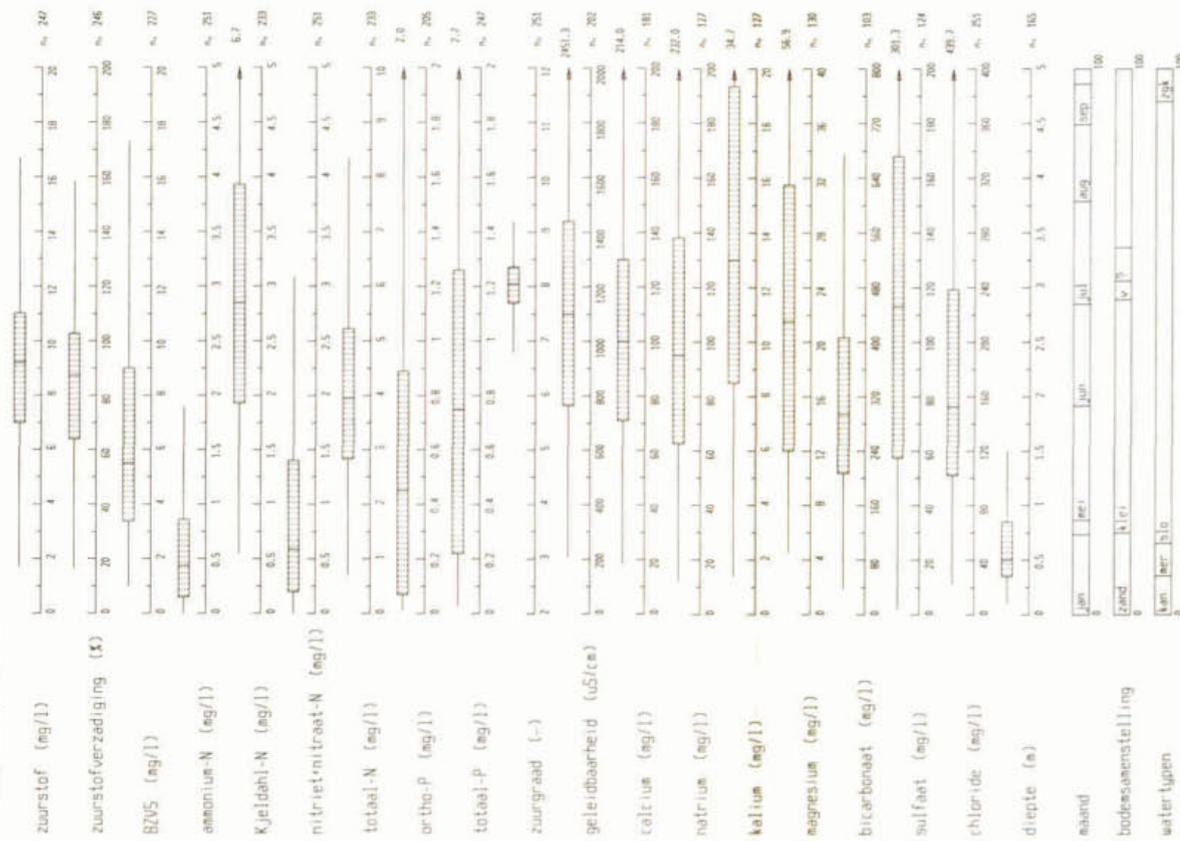
abundantie-klassen  
ge-uniformeerde codering  
□ Tan/BB 1-4; bed. <= 5%  
□ Tan/BB 5-6; bed. 5-25%  
■ Tan/BB 7-8; bed. 26-75%  
■ Tan/BB 9; bed. 76-100%

Potamogeton pectinatus

vangsten : 265  
locaties : 84  
hakken : 177

watertypen  
☑ sloten  
☐ stromende wateren  
☑ kanalen  
☑ meren  
☑ zand-, grind- en kleigaten

Potamogeton pectinatus



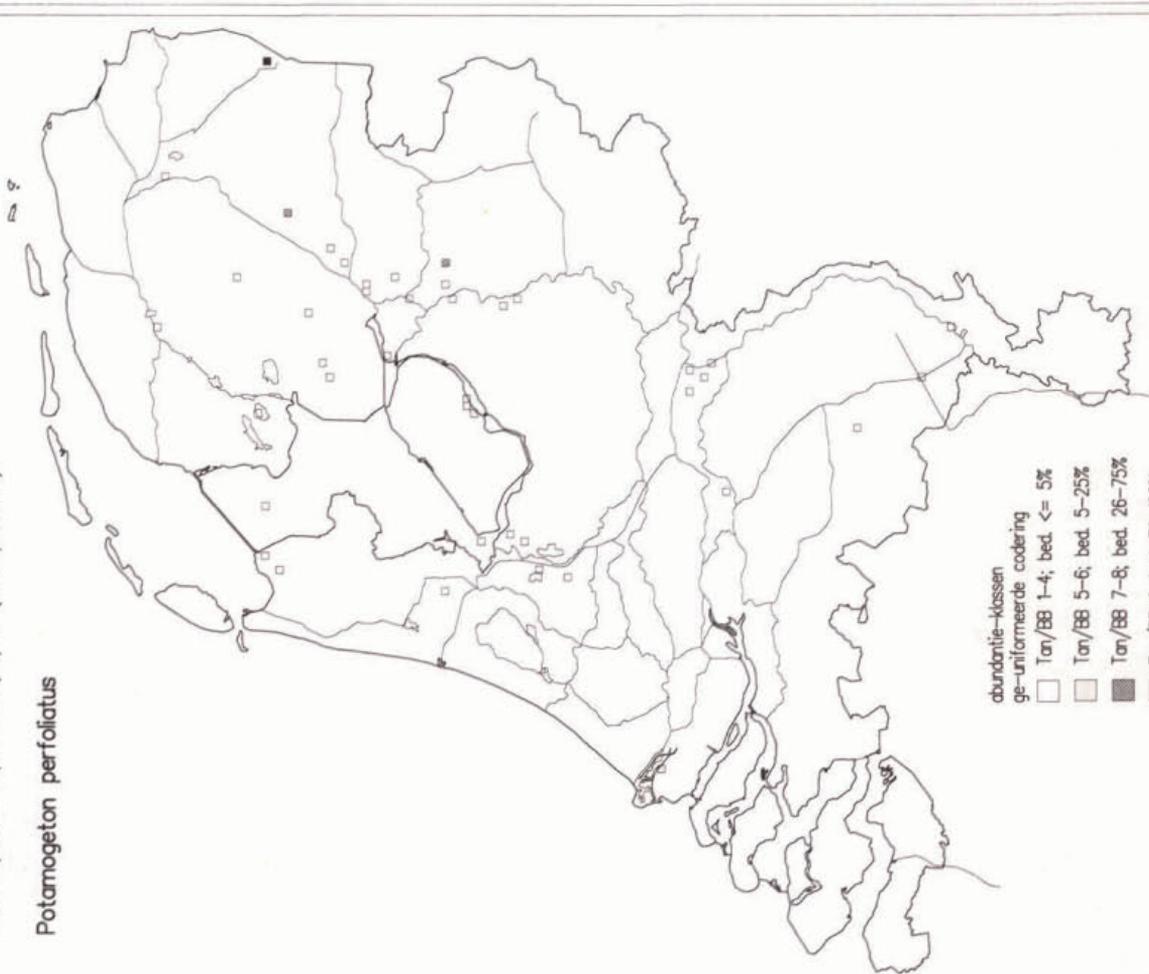
Jan | per | jun | okt | dec | 1997

Zand | V(e) | 100

kan | her | blo | 100

Macrophyten : Spermatophyta (zaadplanten)

Potamogeton perfoliatus



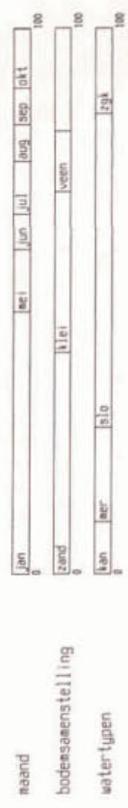
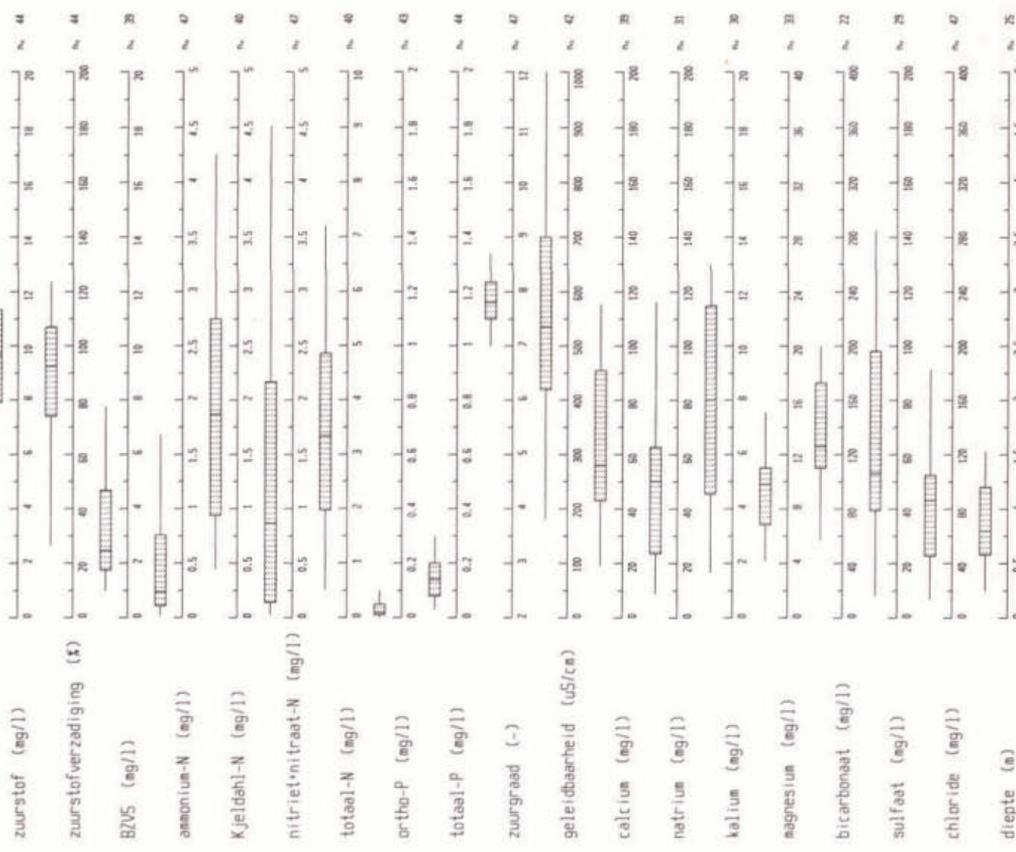
- abundantie-klassen  
ge-uniformeerde codering
- Ton/BB 1-4; bed. <= 5%
  - Ton/BB 5-6; bed. 5-25%
  - Ton/BB 7-8; bed. 26-75%
  - Ton/BB 9; bed. 76-100%

- abundantie-klassen
- sloten
  - stromende wateren
  - kanalen
  - meren
  - zand-, grind- en kleigaten

Potamogeton perfoliatus

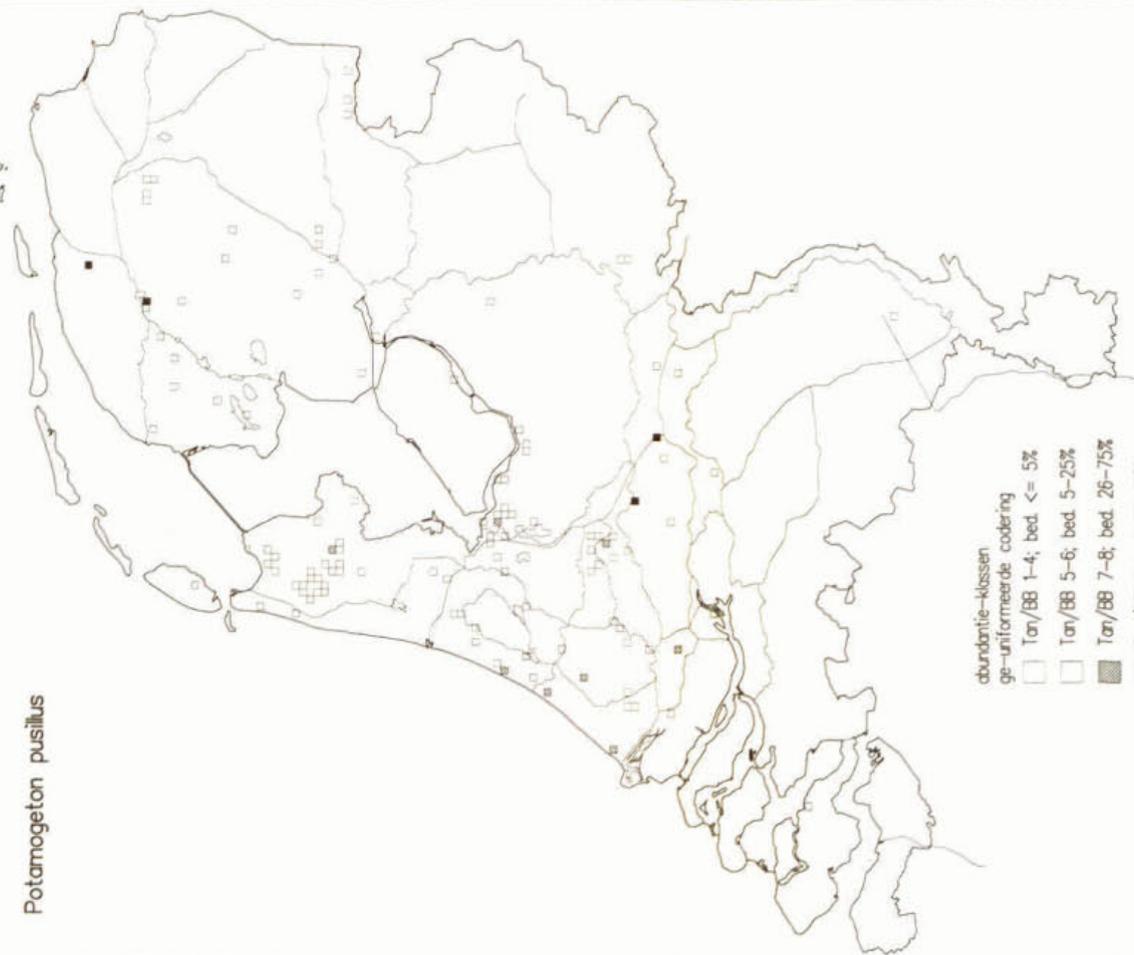
vangsten : 51  
locaties : 44  
hakken : 42

**stowa**  
Eco-atlas van waterorganismen



Macrofyten : Spermatophyta (zaadplanten)

Potamogeton pusillus



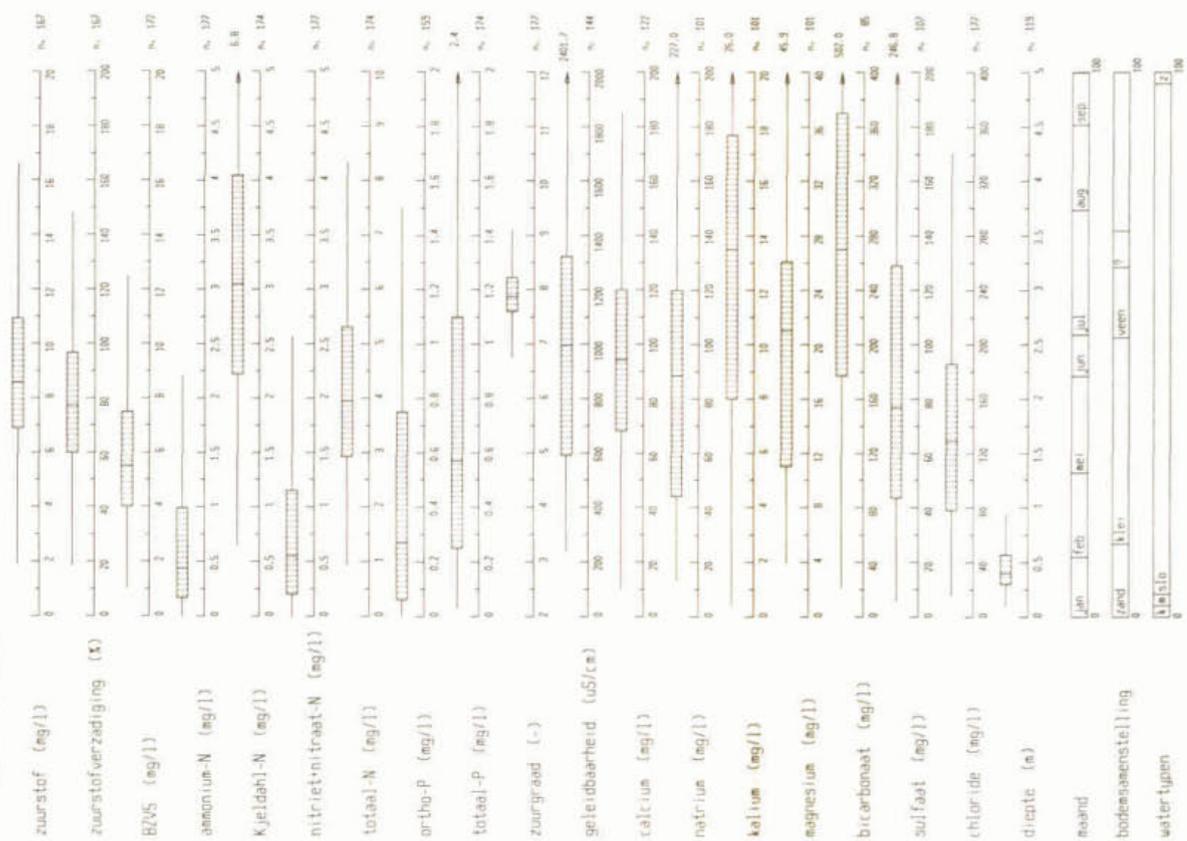
Potamogeton pusillus

vangsten : 855  
 locaties : 137  
 hokken : 120

**stowa**

Eco-atlas van waterorganismen

Potamogeton pusillus



Macrofyten : Spermatophyta (zadplanten)

Potamogeton trichoides



abundantie-klassen  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. ≤ 5%  
◻ Ton/BB 5-6; bed. 5-25%  
◼ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

Potamogeton trichoides

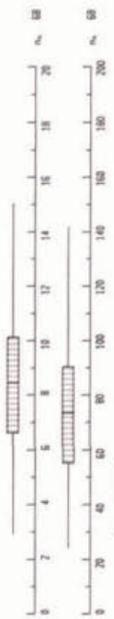
vangsten : 83  
localities : 63  
hokken : 57

water-typen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 landen

**stowa**

Eco-atlas van waterorganismen

zuurstof (mg/l)



zuurstofverzadiging (%)



BZVS (mg/l)



ammonium-N (mg/l)



Kjeldahl-N (mg/l)



nitriet/nitraat-N (mg/l)



totaal-N (mg/l)



ortho-P (mg/l)



totaal-P (mg/l)



zuurgraad (-)



geleidbaarheid (µS/cm)



calcium (mg/l)



natrium (mg/l)



kalium (mg/l)



magnesium (mg/l)



bicarbonaat (mg/l)



sulfaat (mg/l)



chloride (mg/l)



diepte (m)



maand



bodemsamenstelling

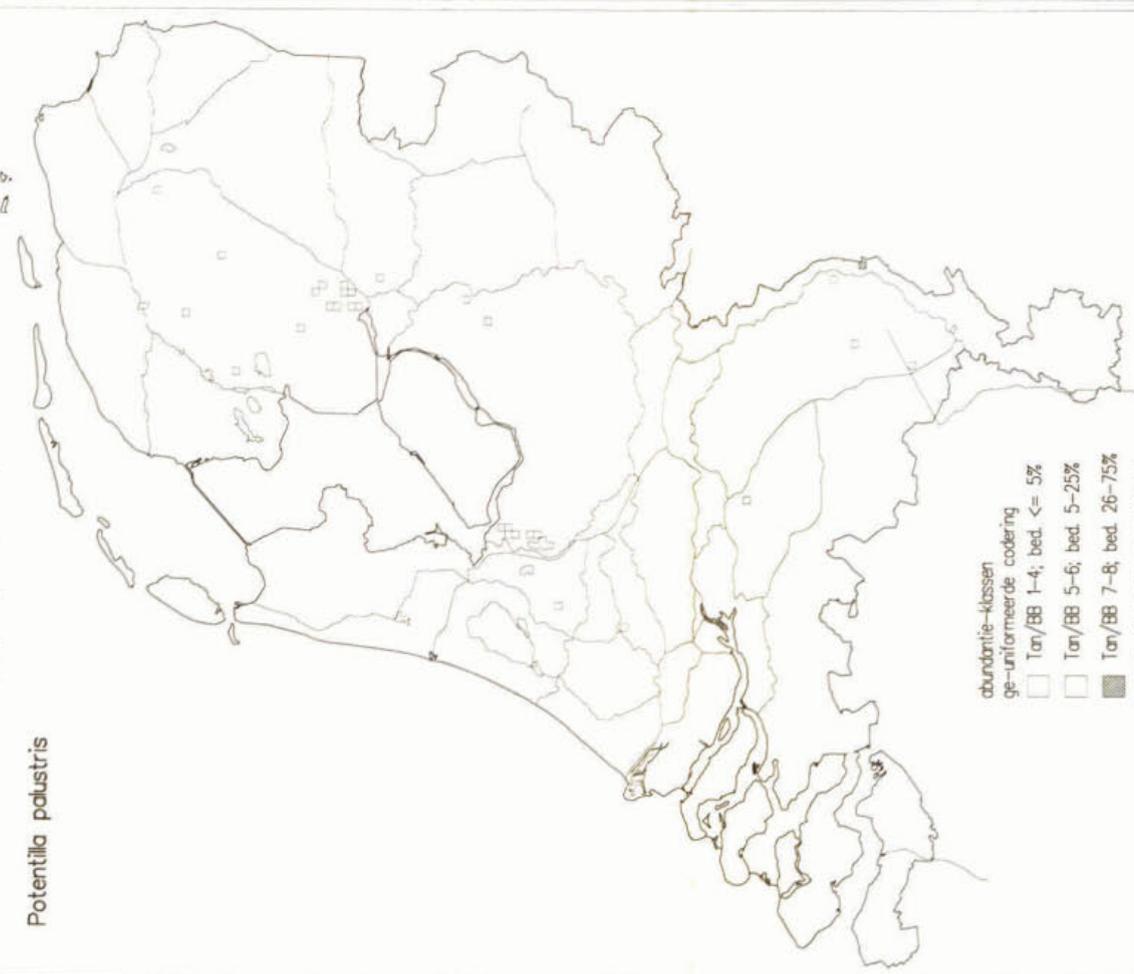


watertypen



Macrofyten : Spermatophyta (zaadplanten)

Potentilla palustris



abundantie-klassen  
ge-uniformeerde codering  
□  $T_{an}/BB_{1-4}$ ; bed.  $\leq 5\%$   
□  $T_{an}/BB_{5-6}$ ; bed. 5-25%  
□  $T_{an}/BB_{7-8}$ ; bed. 26-75%  
■  $T_{an}/BB_{9}$ ; bed. 76-100%

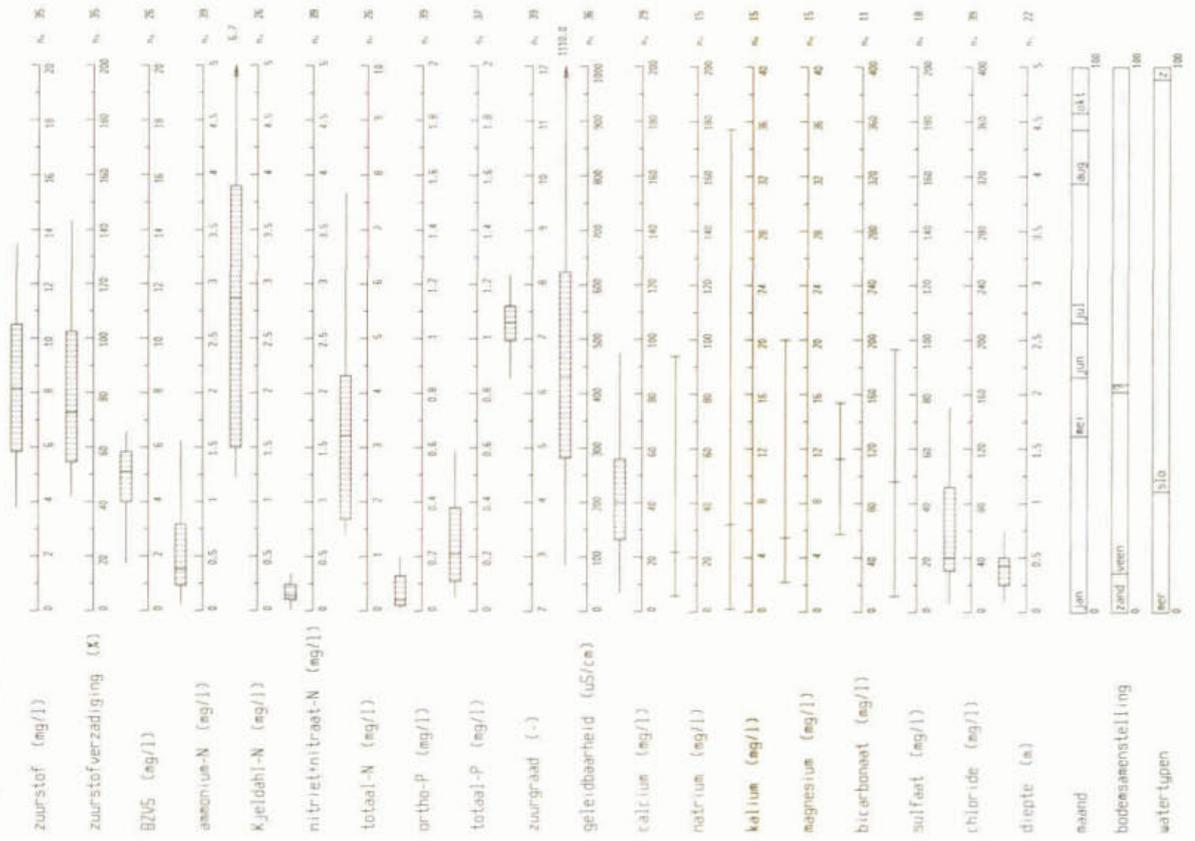
Potentilla palustris

vangsten : 44  
localities : 34  
holken : 30

watertypen  
 □ sloot  
 □ maren  
 □ stromende wateren  
 □ kanalen

zand-, grind- en kleigaten

Potentilla palustris



Jan Mei Jun Jul Okt  
 zand leem  
 leer  
 0 100 200 300 400 500 600 700 800 900 1000  
 0 20 40 60 80 100 120 140 160 180 200  
 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5  
 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5  
 0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2  
 0 20 40 60 80 100 120 140 160 180 200  
 0 20 40 60 80 100 120 140 160 180 200  
 0 4 8 12 16 20 24 28 32 36 40  
 0 4 8 12 16 20 24 28 32 36 40  
 0 40 80 120 160 200 240 280 320 360 400  
 0 20 40 60 80 100 120 140 160 180 200  
 0 40 80 120 160 200 240 280 320 360 400  
 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5 5

stowa  
Eco-atlas van waterorganismen

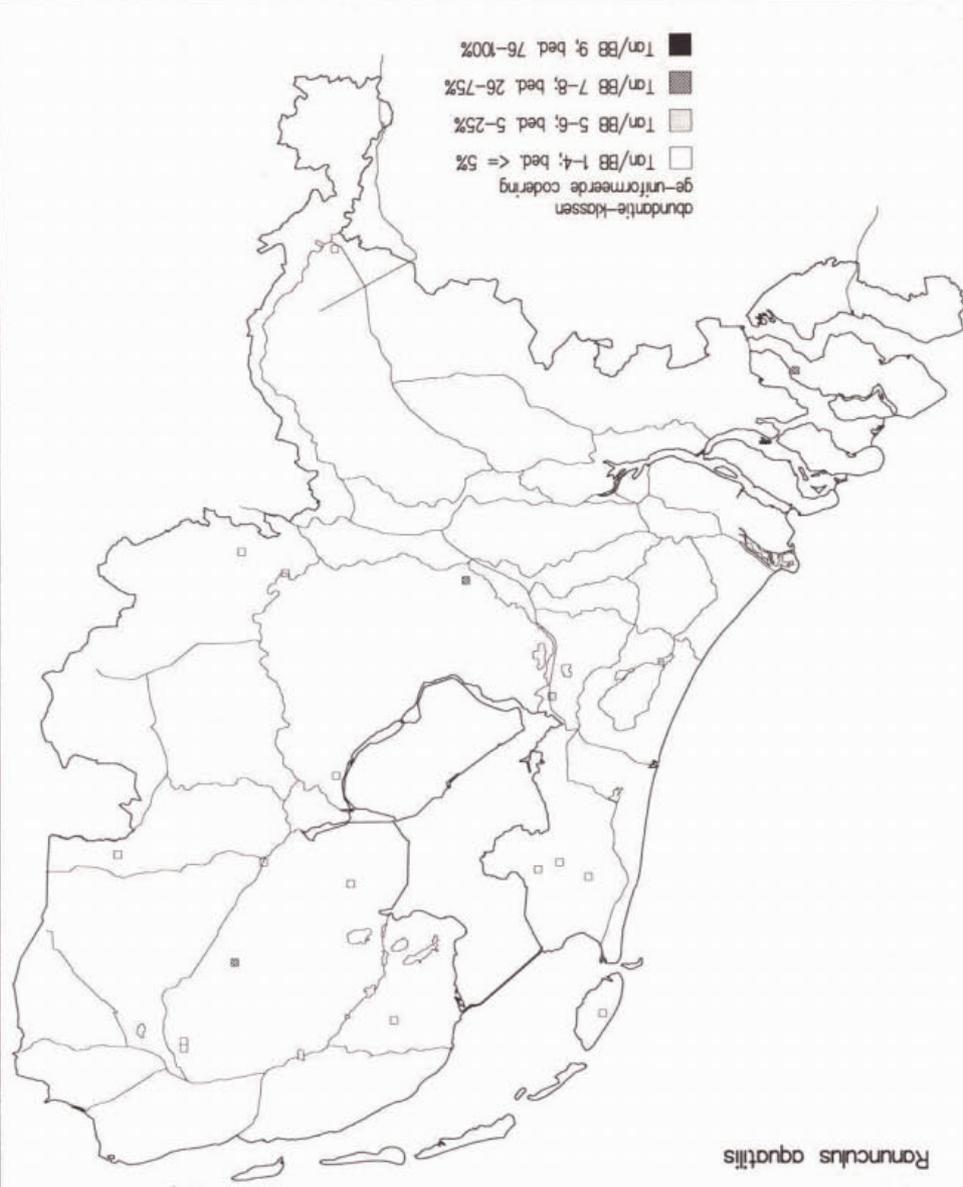
vangsten : 27  
locaties : 20  
hokken : 18

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en  
kleigaten

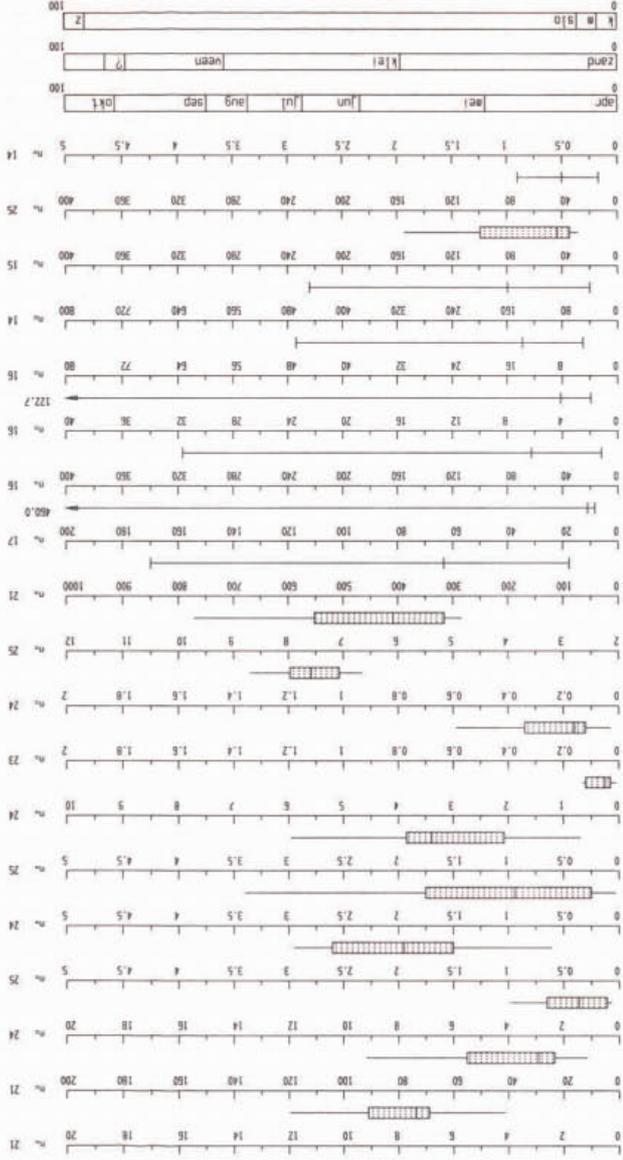
Ranunculus aquatilis

Macrofyten : Spermatophyta (zaadplanten)

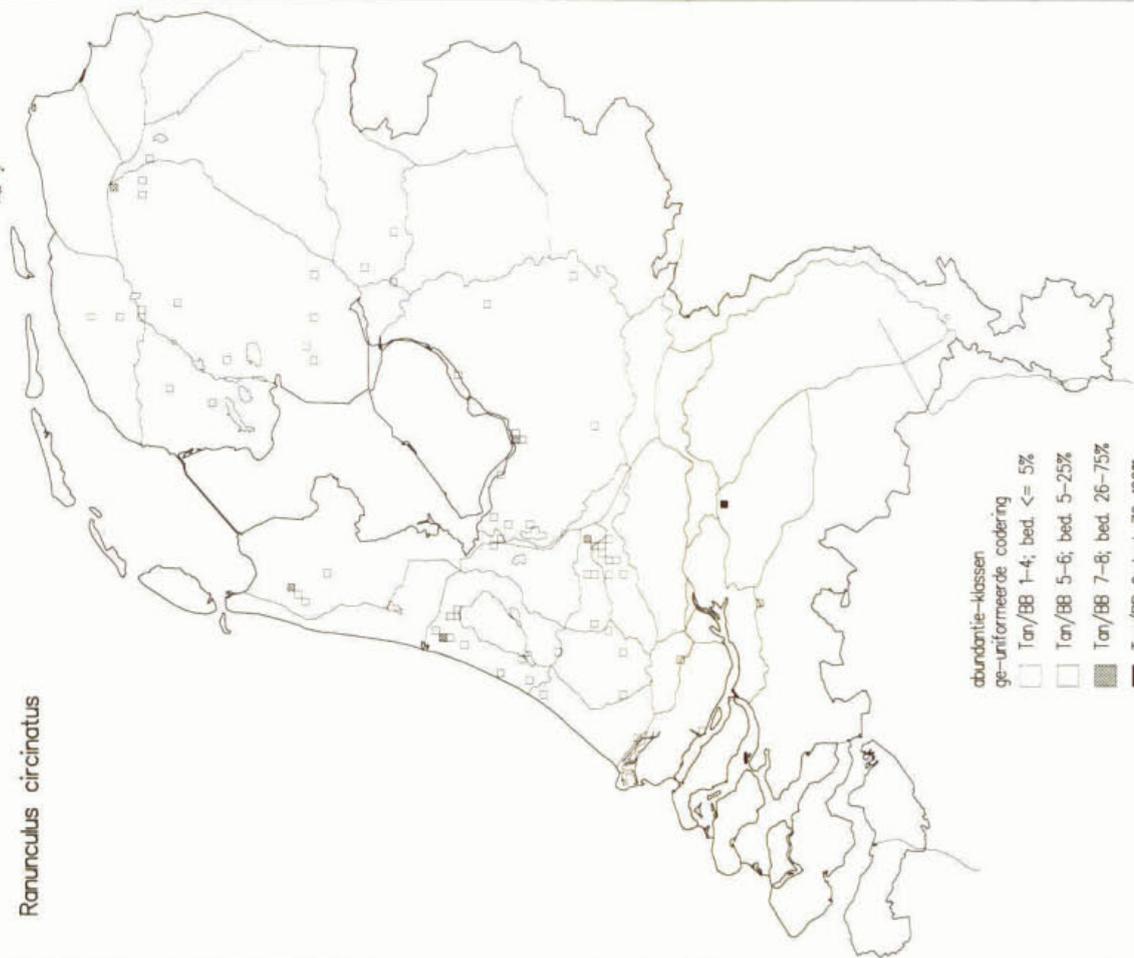
Ranunculus aquatilis



Ranunculus aquatilis



Macrofyten : Spermatophyta (zaadplanten)  
**Ranunculus circinatus**



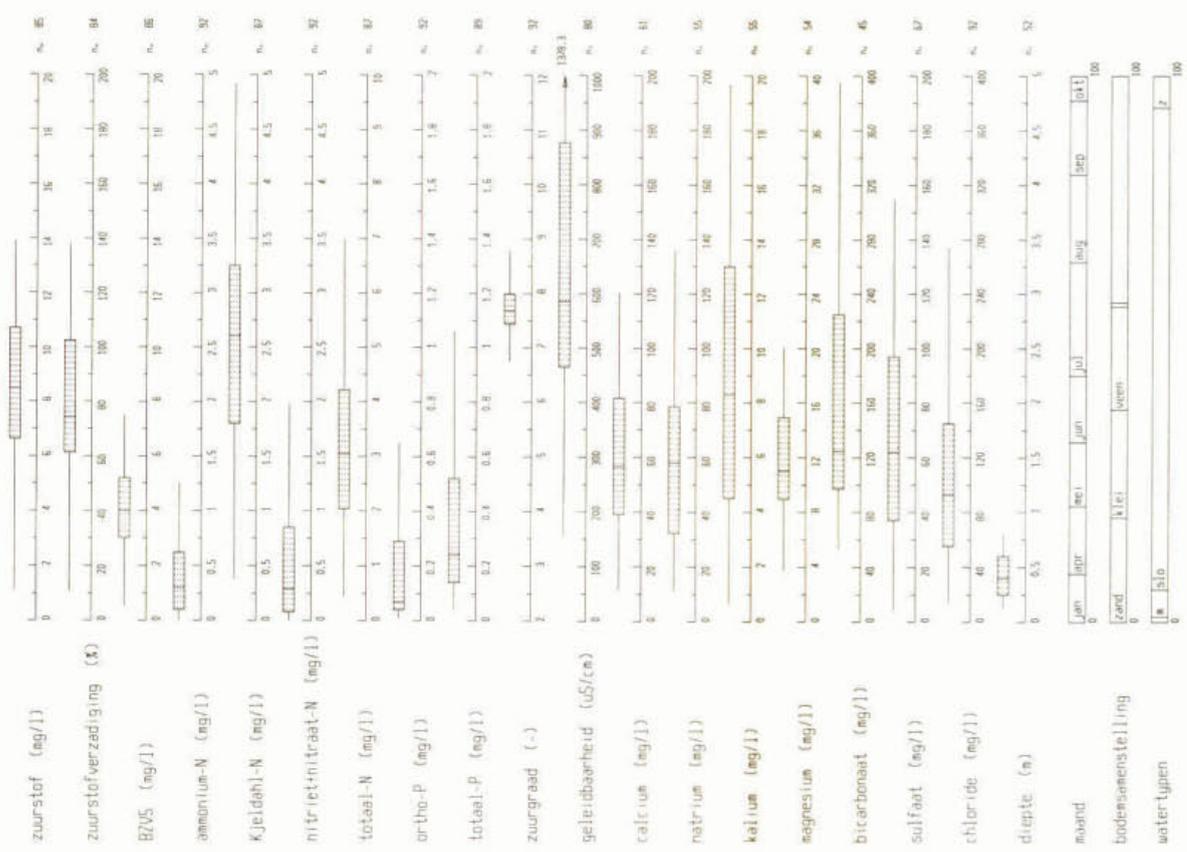
abundantie-klassen  
 ge-uniformeerde codering  
 □ Ton/BB 1-4; bed. <= 5%  
 □ Ton/BB 5-6; bed. 5-25%  
 ■ Ton/BB 7-8; bed. 26-75%  
 ■ Ton/BB 9; bed. 76-100%

**Ranunculus circinatus**

vangsten : 102  
 localities : 76  
 hokken : 66

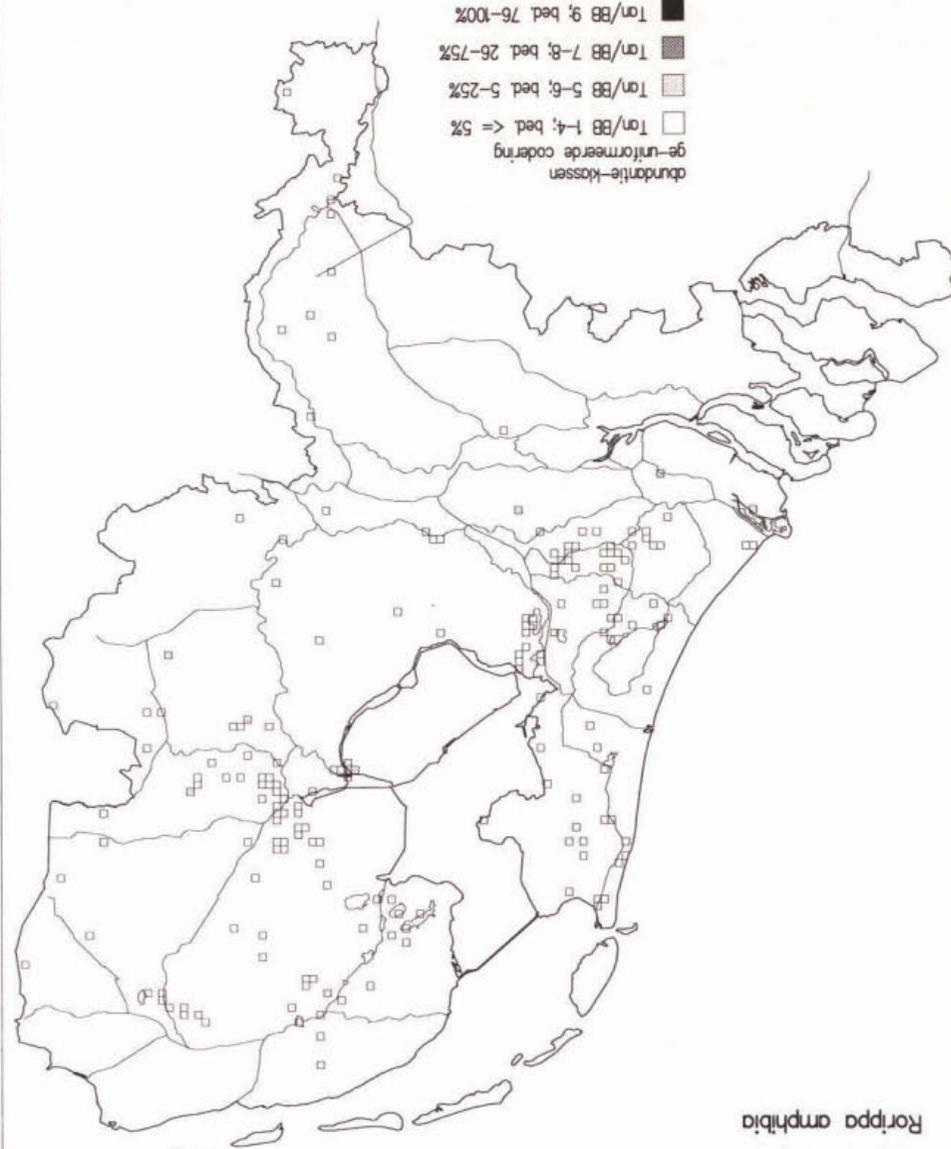
meren  
 slotten  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen

**Ranunculus circinatus**



Rorippa amphibia

Macrofyten : Spermatophyta (zaadplanten)



Eco-atlas van waterorganismen

**stowa**

vungsten : 247 watertypen  sloten  stromende wateren  zand-, grind- en  
 locaties : 206  maren  
 hokken : 185  kanden  keigaten

Rorippa amphibia

Rorippa amphibia

zuurstof (mg/l)

(%)

BZVS (mg/l)

ammonium-N (mg/l)

Kjeldahl-N (mg/l)

nitriet/nitraat-N (mg/l)

totaal-N (mg/l)

ortho-P (mg/l)

totaal-P (mg/l)

zuurgraad (-)

geleidbaarheid (µS/cm)

calcium (mg/l)

natrium (mg/l)

kalium (mg/l)

magnesium (mg/l)

bicarbonaat (mg/l)

sulfaat (mg/l)

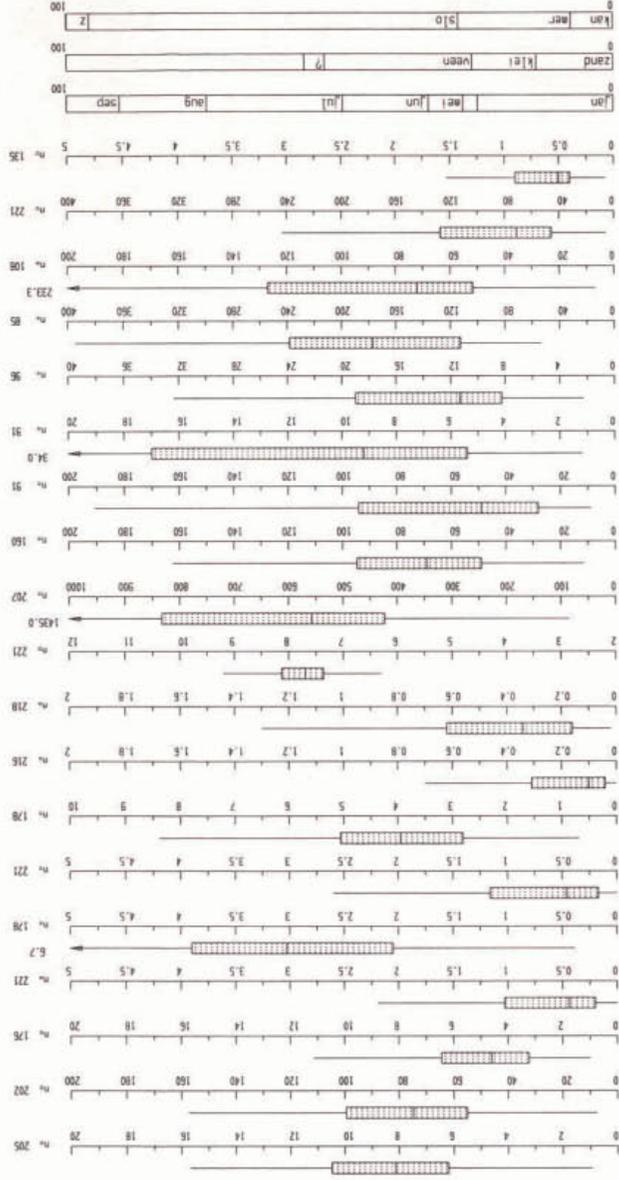
chloride (mg/l)

diepte (m)

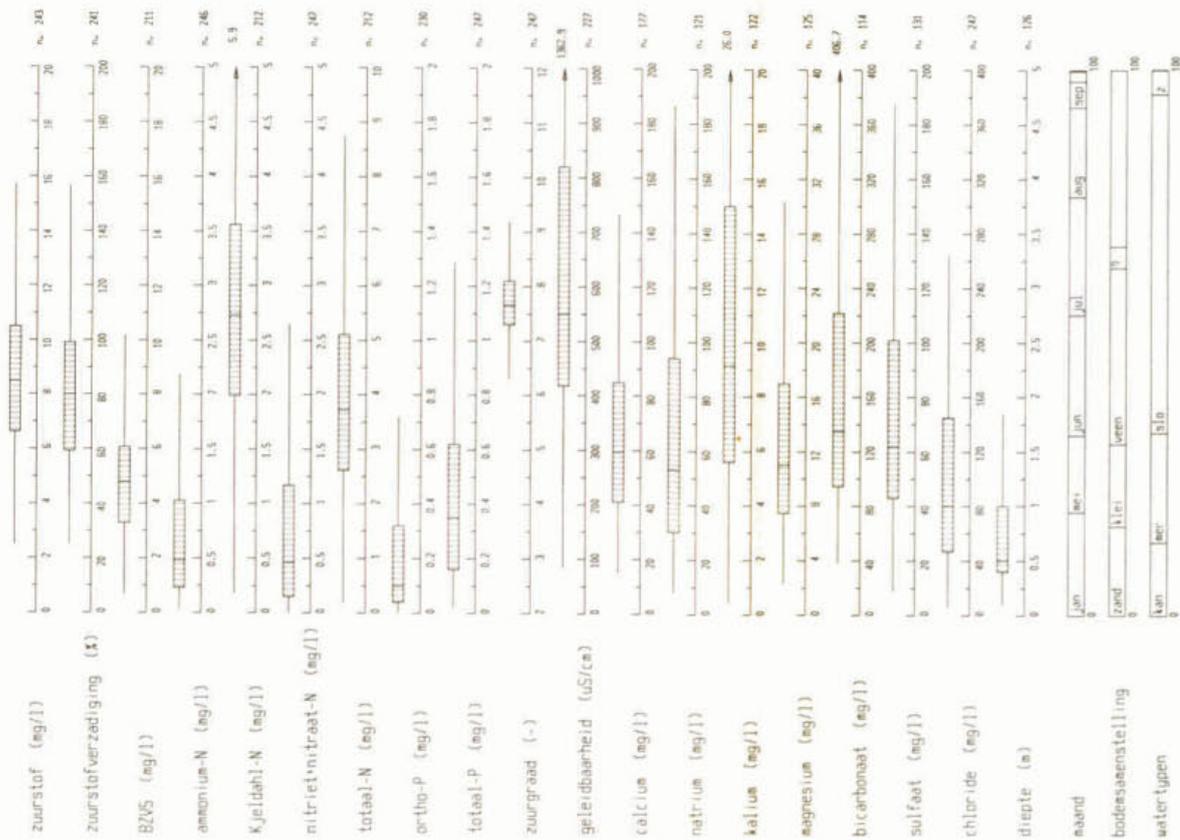
maand

bodemsamenstelling

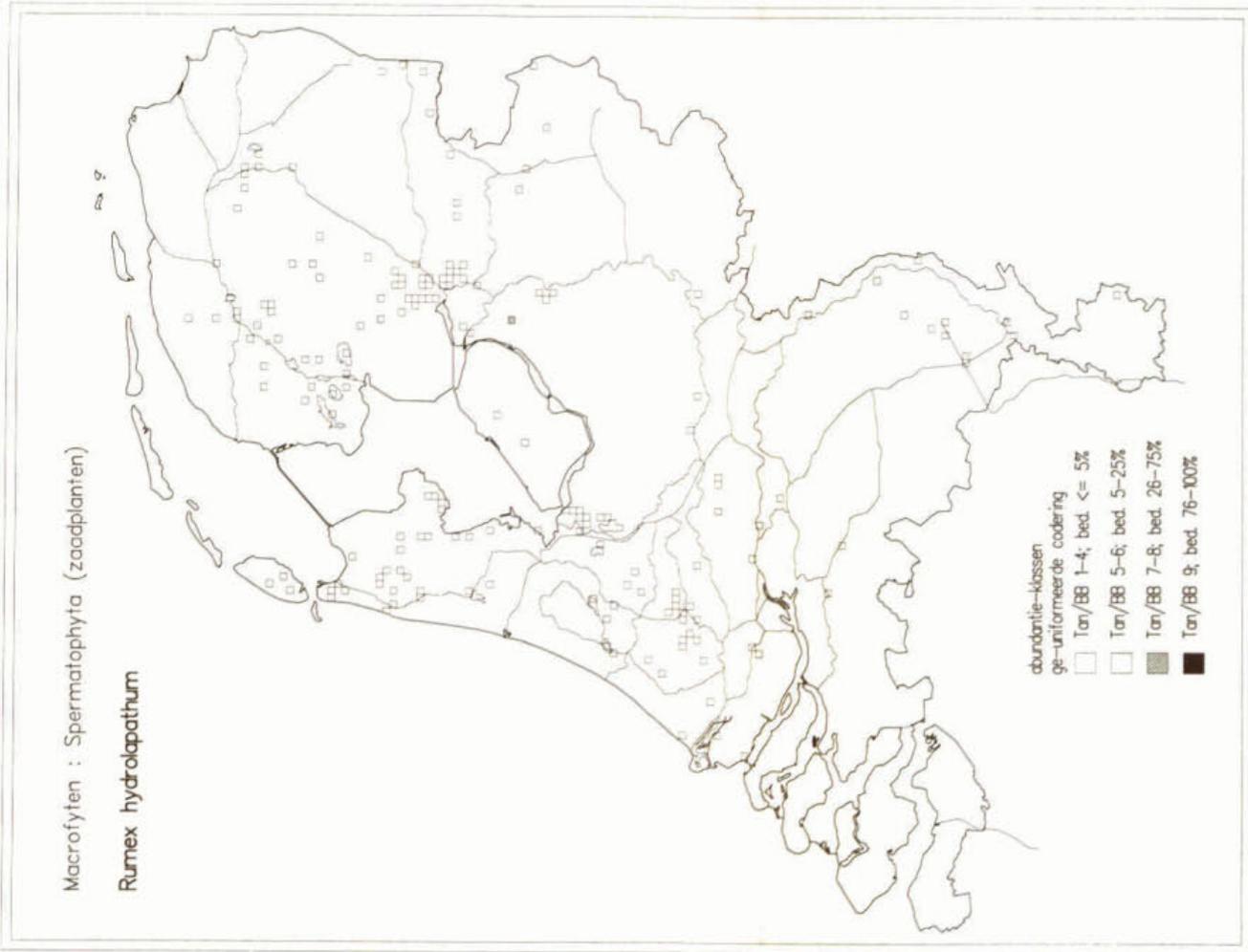
watertypen



Rumex hydrolopathum



Jan	Mer	Jun	Juli	Aug	1990
Zied	11 tot	leeren	15		100
Van	Mer	11 tot	15		100



Macrofyten : Spermatophyta (zaadplanten)  
Rumex hydrolopathum

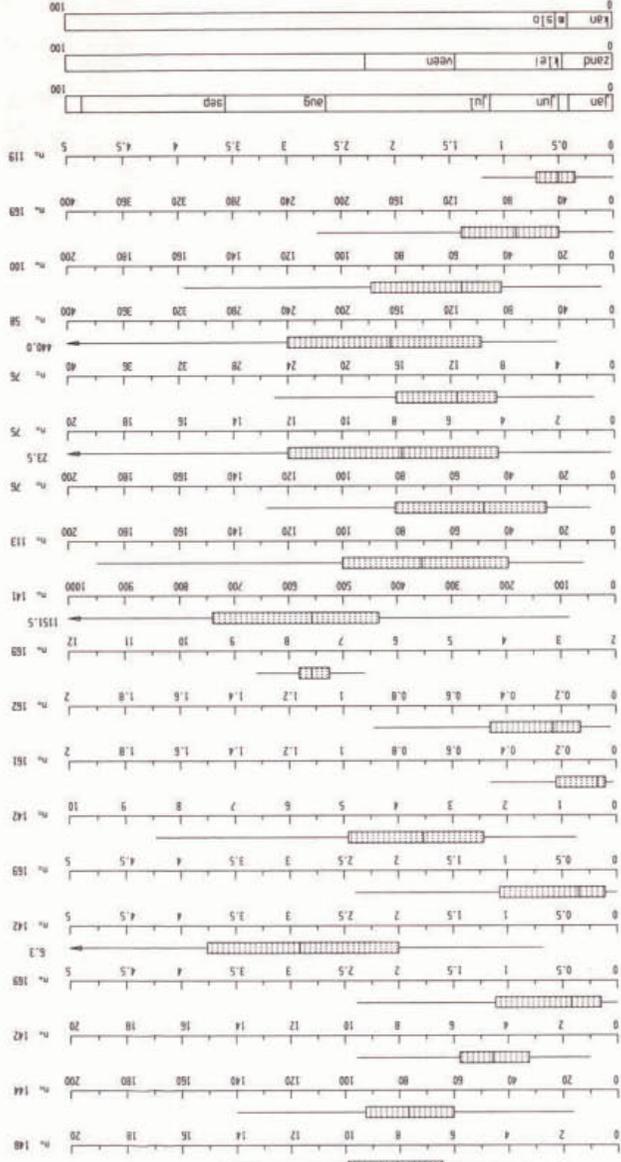
abundantie-classes  
ge-uniformeerde codering  
□ T<sub>an</sub>/BB 1-4; bed. <= 5%  
□ T<sub>an</sub>/BB 5-6; bed. 5-25%  
■ T<sub>an</sub>/BB 7-8; bed. 26-75%  
■ T<sub>an</sub>/BB 9; bed. 76-100%

Rumex hydrolopathum

vangsten : 269	watertypen	<input checked="" type="checkbox"/> sloten	<input checked="" type="checkbox"/> meren
locaties : 210		<input checked="" type="checkbox"/> stromende wateren	<input checked="" type="checkbox"/> zand-, grind- en kleigaten
hokken : 180		<input checked="" type="checkbox"/> landen	

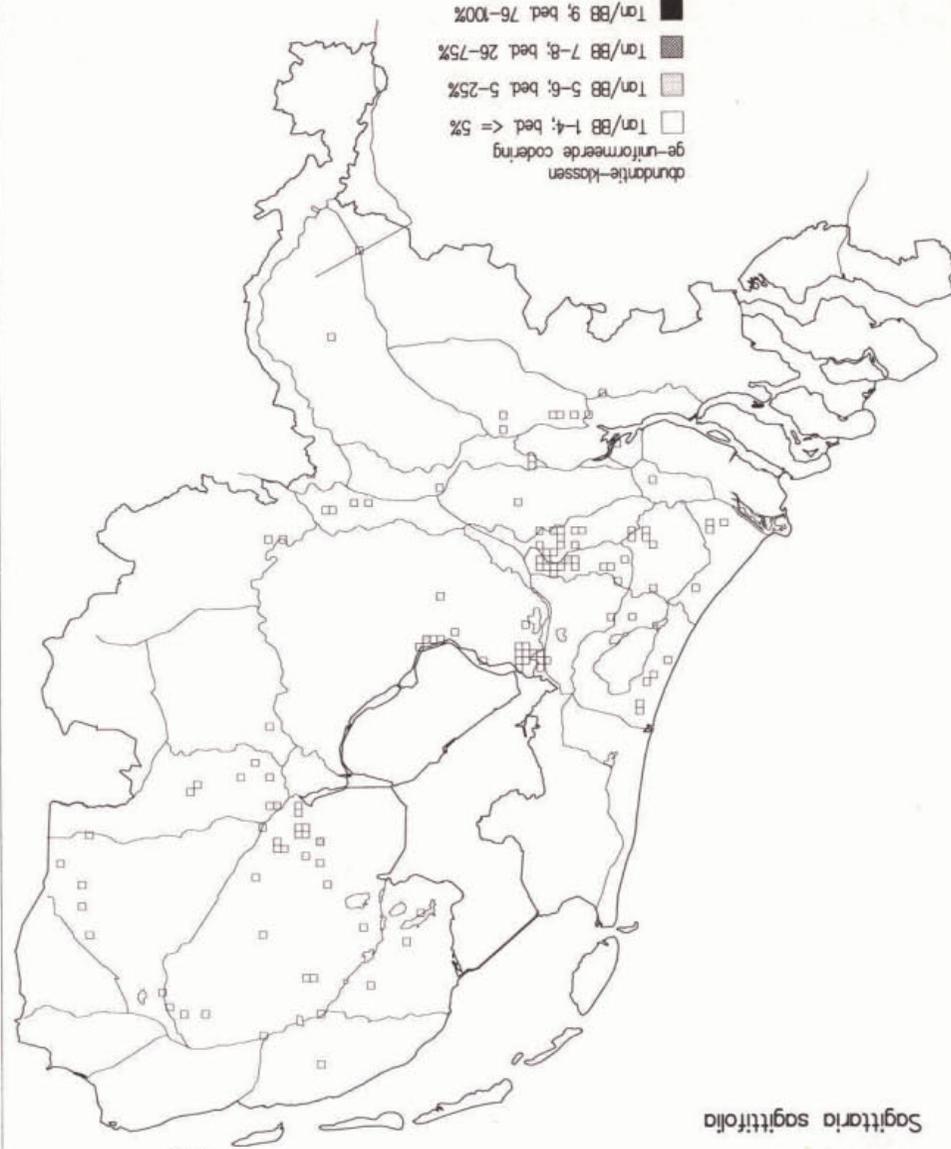
**stowa**  
Eco-atlas van waterorganismen

Sagittaria sagittifolia



Macrophyten : Spermatophyta (zaadplanten)

Sagittaria sagittifolia



dundantie-klassen  
ge-uniformeerde codering  
Tan/BB 1-4; bed <= 5%  
Tan/BB 5-6; bed 5-25%  
Tan/BB 7-8; bed 26-75%  
Tan/BB 9; bed 76-100%

Sagittaria sagittifolia

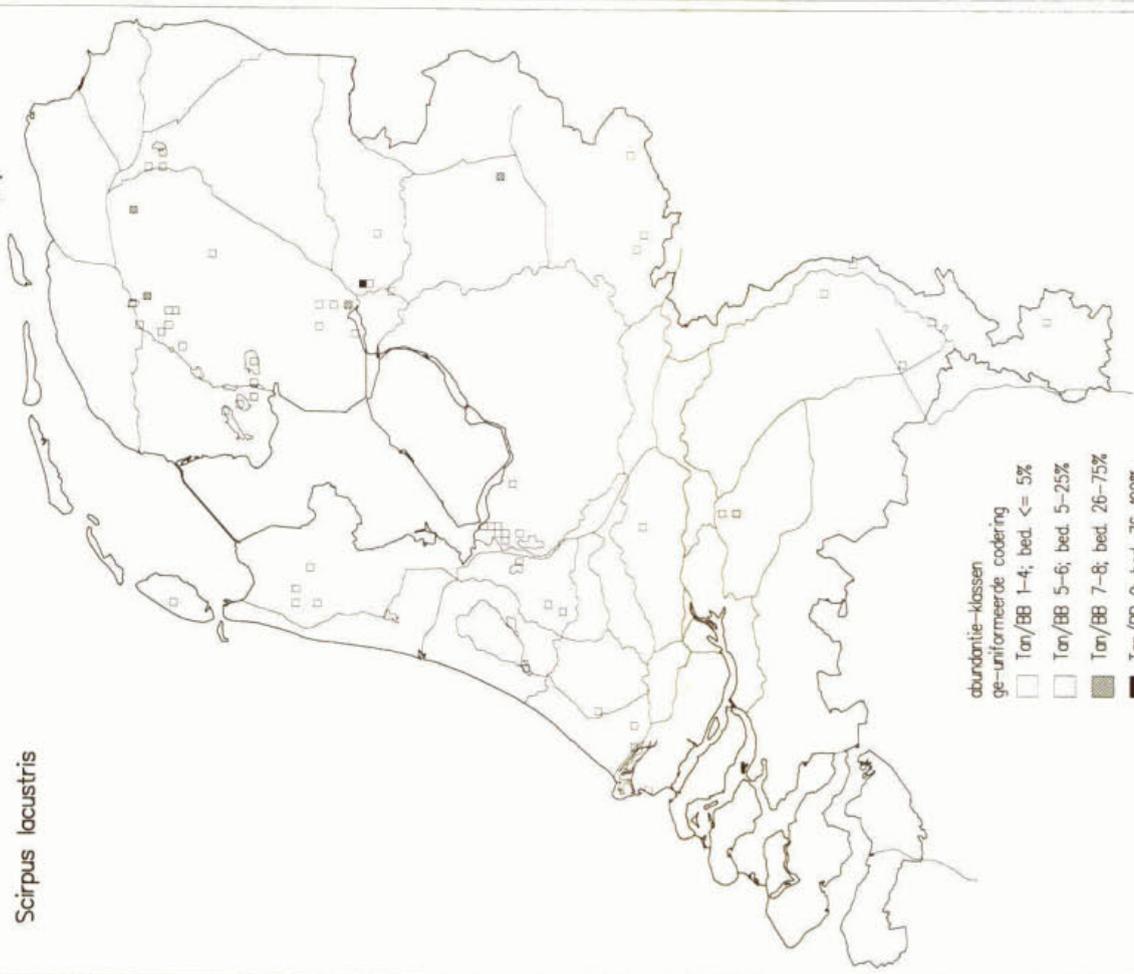
locaties : 159  
hokken : 126  
vongsten : 179  
water typen  sloten  stromende wateren  zand-, grind- en kleigaten



Eco-atlas van waterorganismen

Macrofyten : Spermatophyta (zaadplanten)

**Scirpus lacustris**



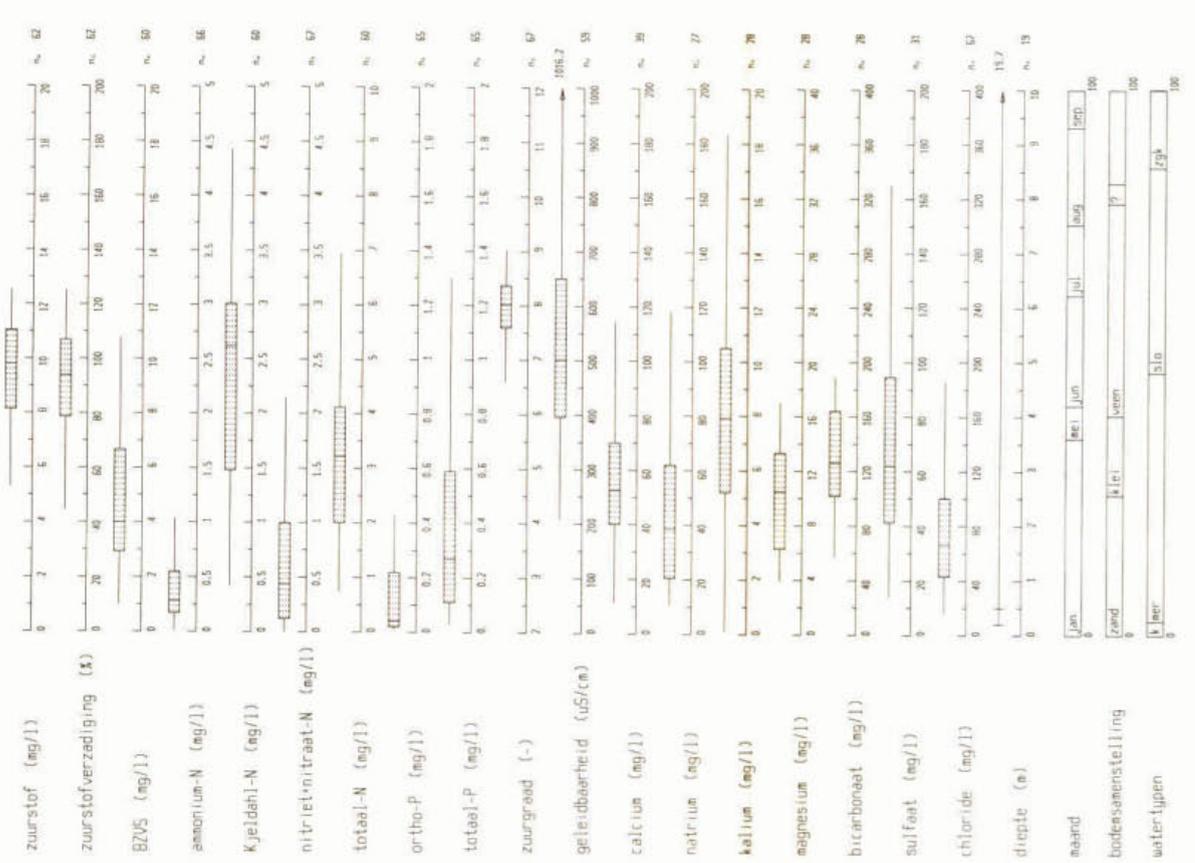
abundantie-classes  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. <= 5%  
□ Ton/BB 5-6; bed. 5-25%  
■ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

Scirpus lacustris

vangsten : 77  
localities : 65  
hokken : 60

watertypen  
 sloot  
 stromende wateren  
 zand-, grind- en kleigaten

Scirpus lacustris



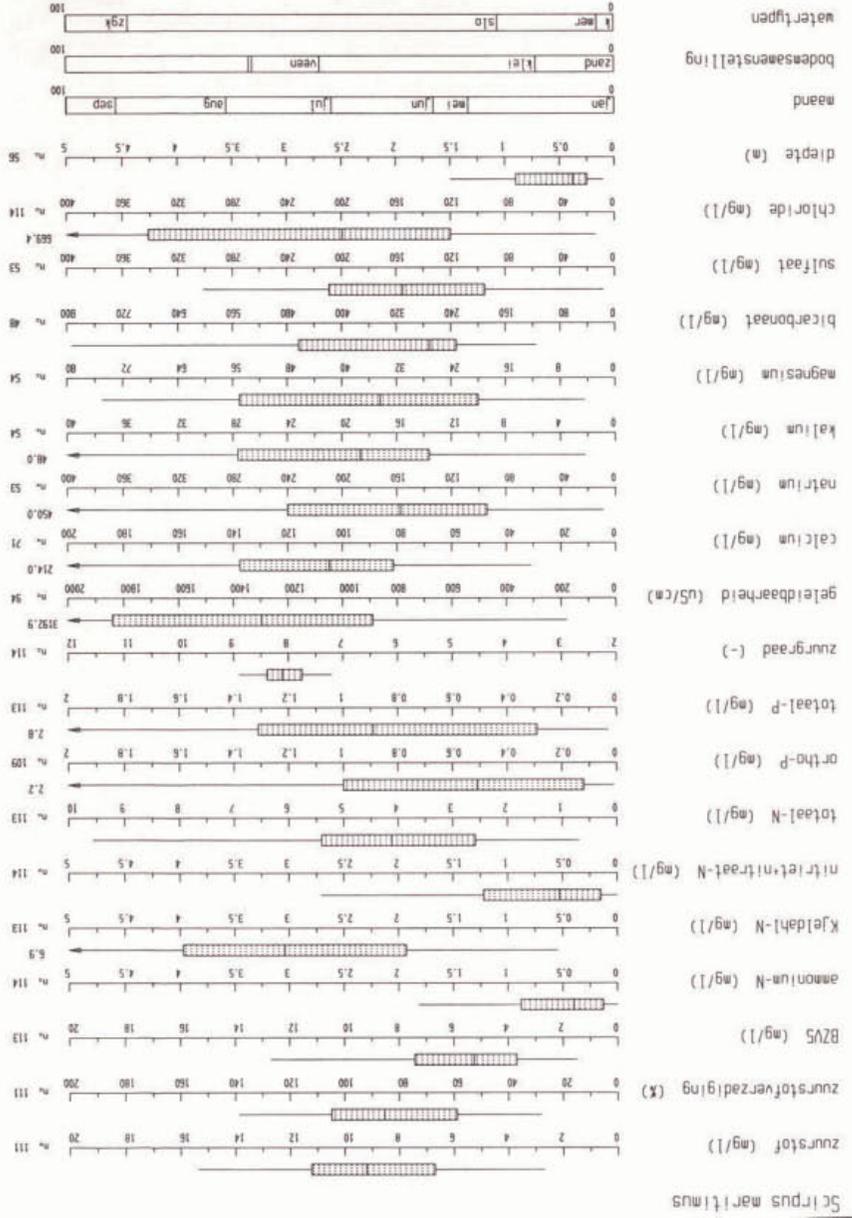
maand  
 jan  feb  mar  apr  mei  jun  jul  aug  sep  okt  nov  dec

bodemsamenstelling  
 zand  klei  leem  silt  org

watertypen  
 0  1  2  3  4  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  32  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64  65  66  67  68  69  70  71  72  73  74  75  76  77  78  79  80  81  82  83  84  85  86  87  88  89  90  91  92  93  94  95  96  97  98  99  100

**stowa**

Eco-atlas van waterorganismen



**STOWA**  
Eco-atlas van waterorganismen

**Scirpus maritimus**

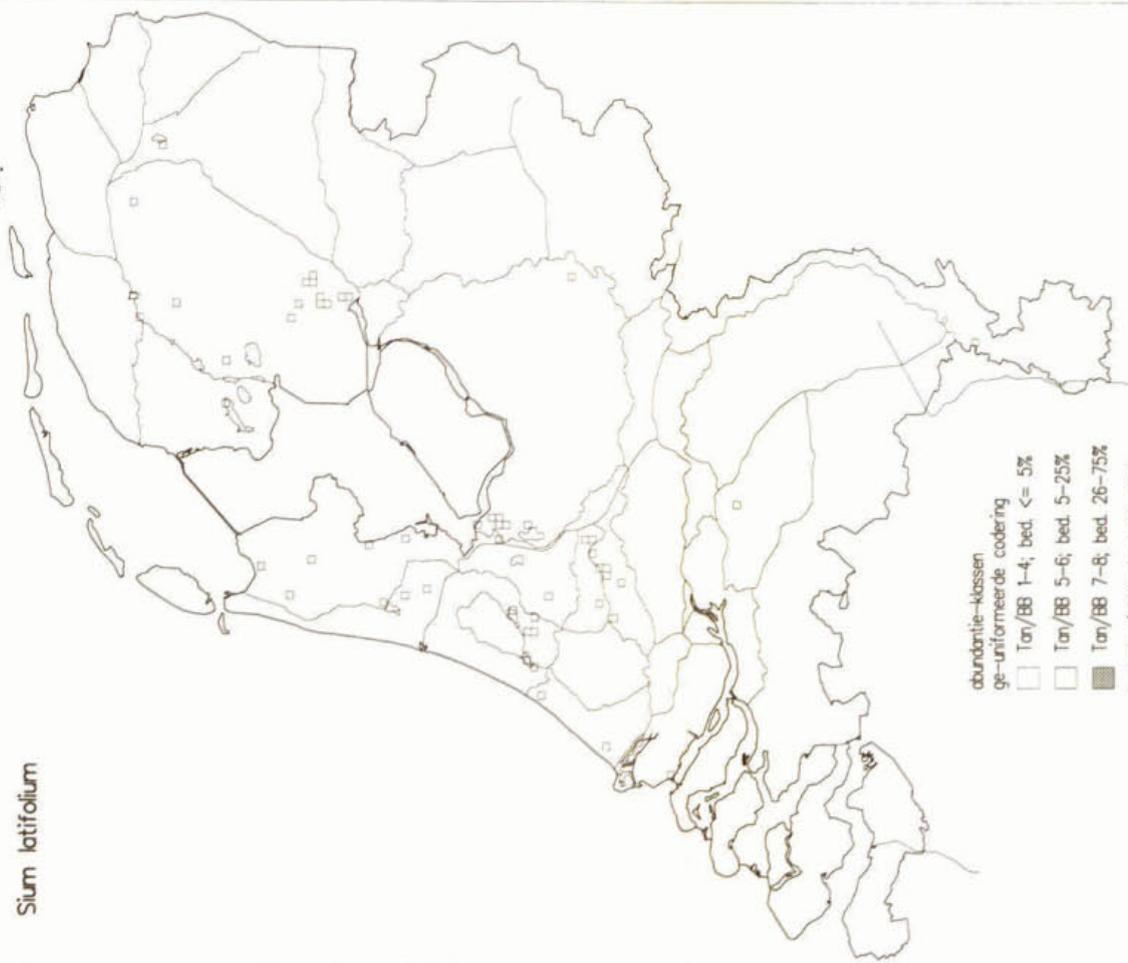
watertypen <input checked="" type="checkbox"/> sloten <input checked="" type="checkbox"/> stromende wateren <input checked="" type="checkbox"/> zand-, grind- en kleigaten	vogelstenen : 127 locaties : 100 hokken : 92
--	--

Macrofyten : Spermatophyta (zaadplanten)

*Scirpus maritimus*

Macrofyten : Spermatophyta (zaadplanten)

*Sium latifolium*



abundantie-klassen  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. <= 5%  
□ Ton/BB 5-6; bed. 5-25%  
■ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

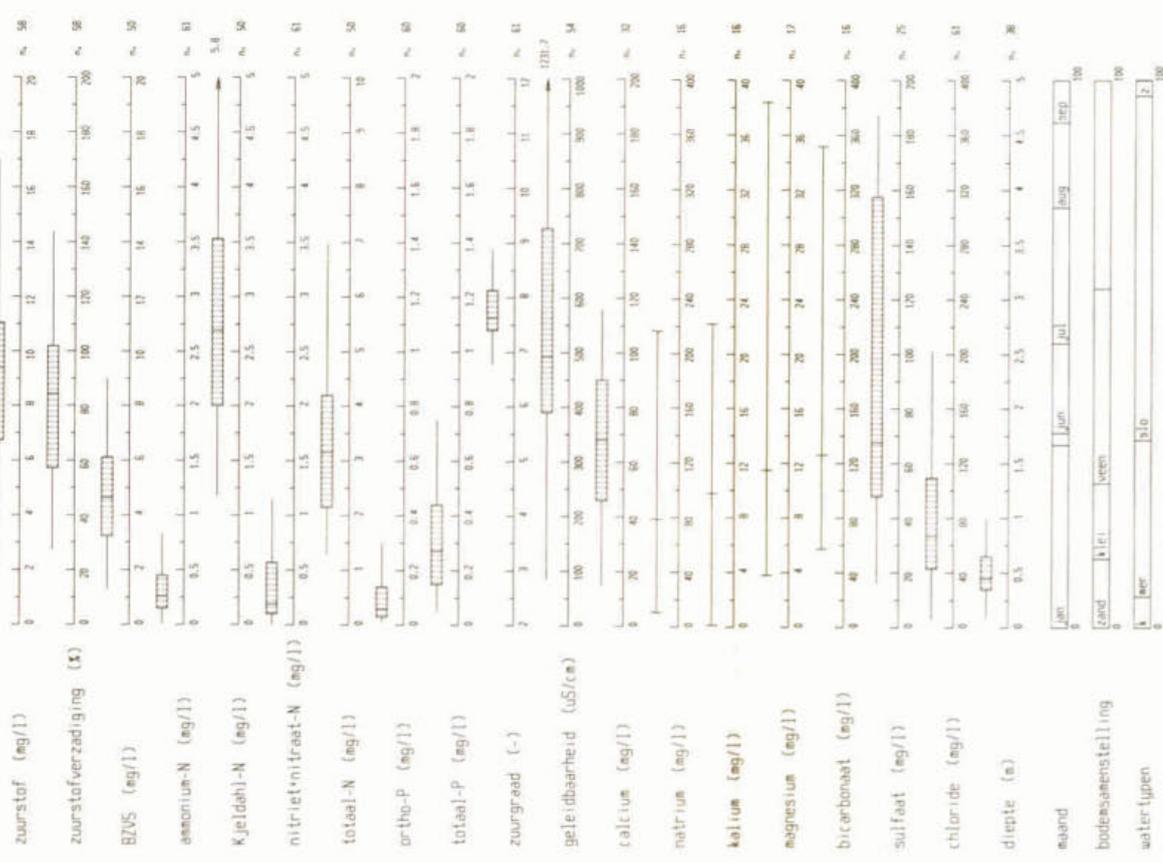
*Sium latifolium*

vangsten : 70  
locaties : 61  
habkollen : 54

watertypen  
□ slotten  
□ stromende wateren  
□ kanden

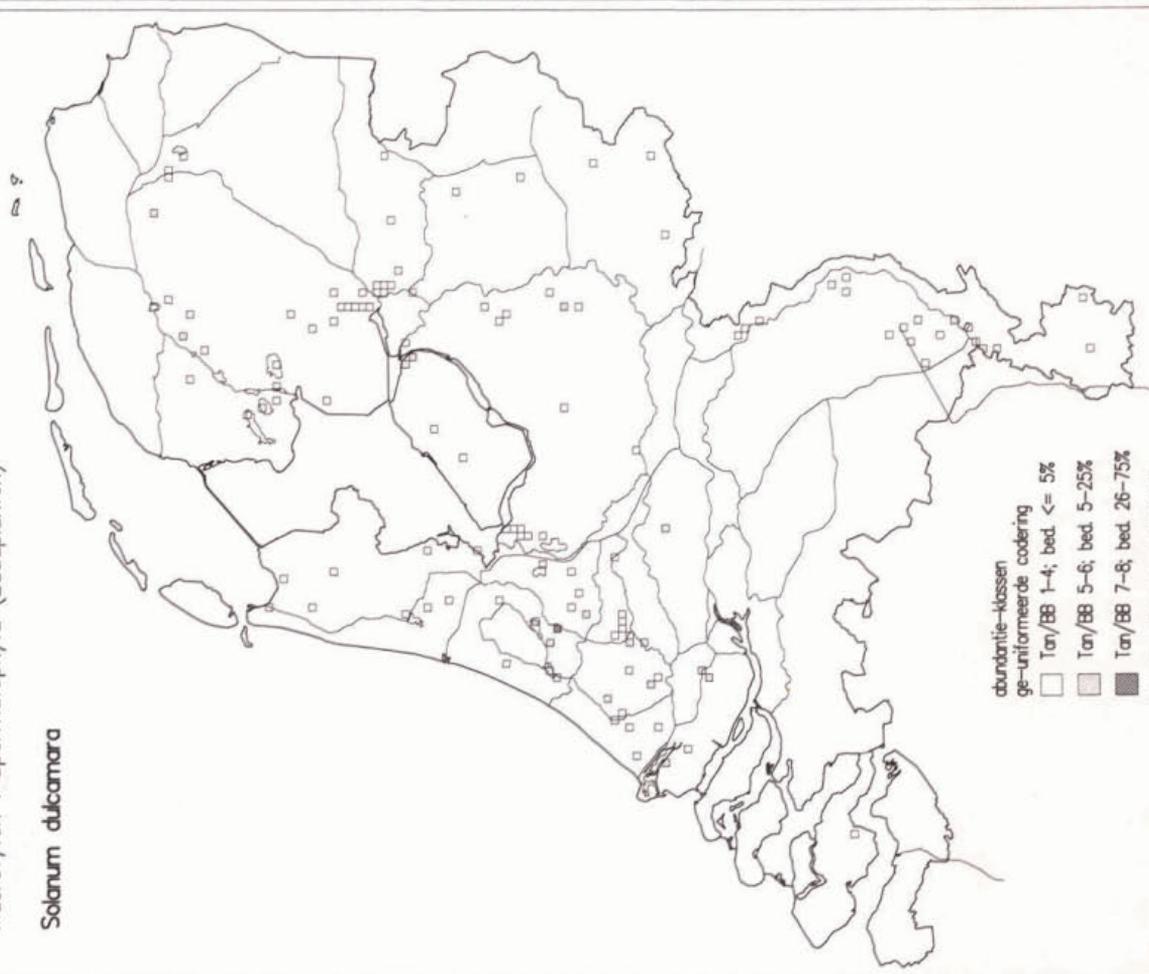
meren  
□ zand-, grind- en kleigaten

*Sium latifolium*



Macrofyten : Spermatophyta (zaadplanten)

Solanum dulcamara



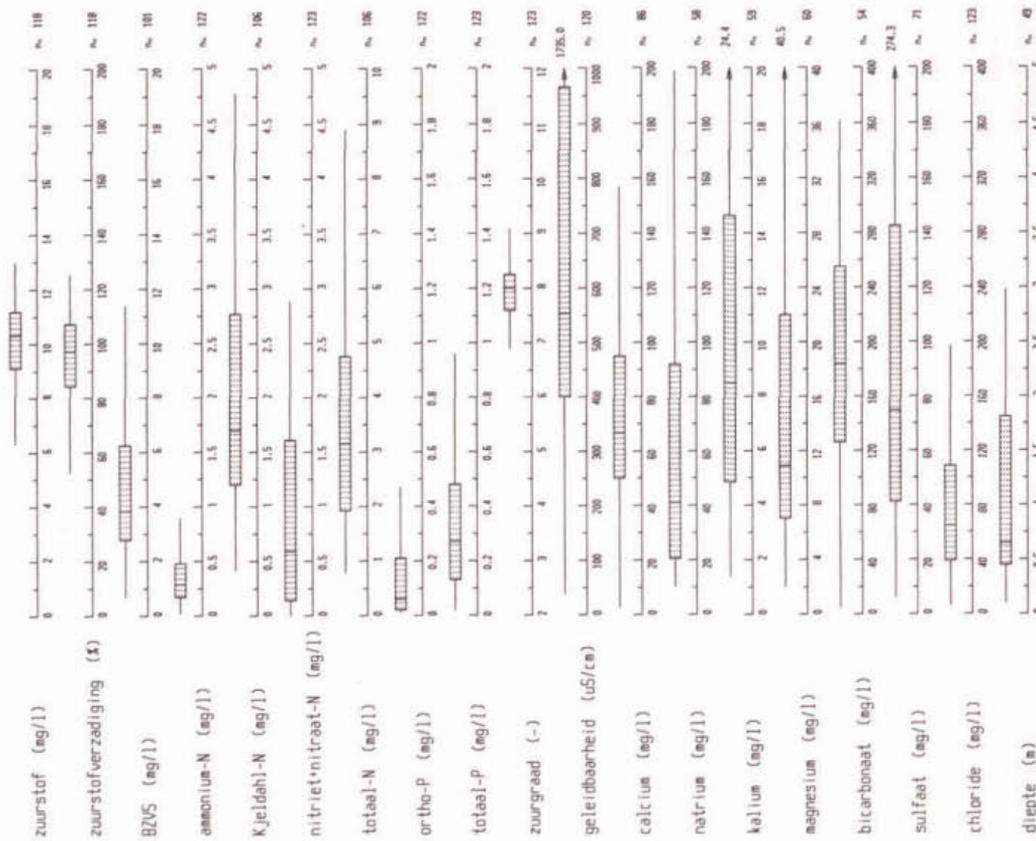
- abundantie-klassen  
ge-uniformeerde codering
- Ton/BB 1-4; bed. <= 5%
  - Ton/BB 5-6; bed. 5-25%
  - Ton/BB 7-8; bed. 26-75%
  - Ton/BB 9; bed. 76-100%

**stowa**

Eco-atlas van waterorganismen

Solanum dulcamara

- vangsten : 141  
locaties : 138  
hokken : 123
- watertypen
- skien
  - stromende wateren
  - meren
  - zand-, grind- en kleigaten
  - kanalen



maand

Jan	Jun	Jul	Aug	Sep
-----	-----	-----	-----	-----

bodemsamenstelling

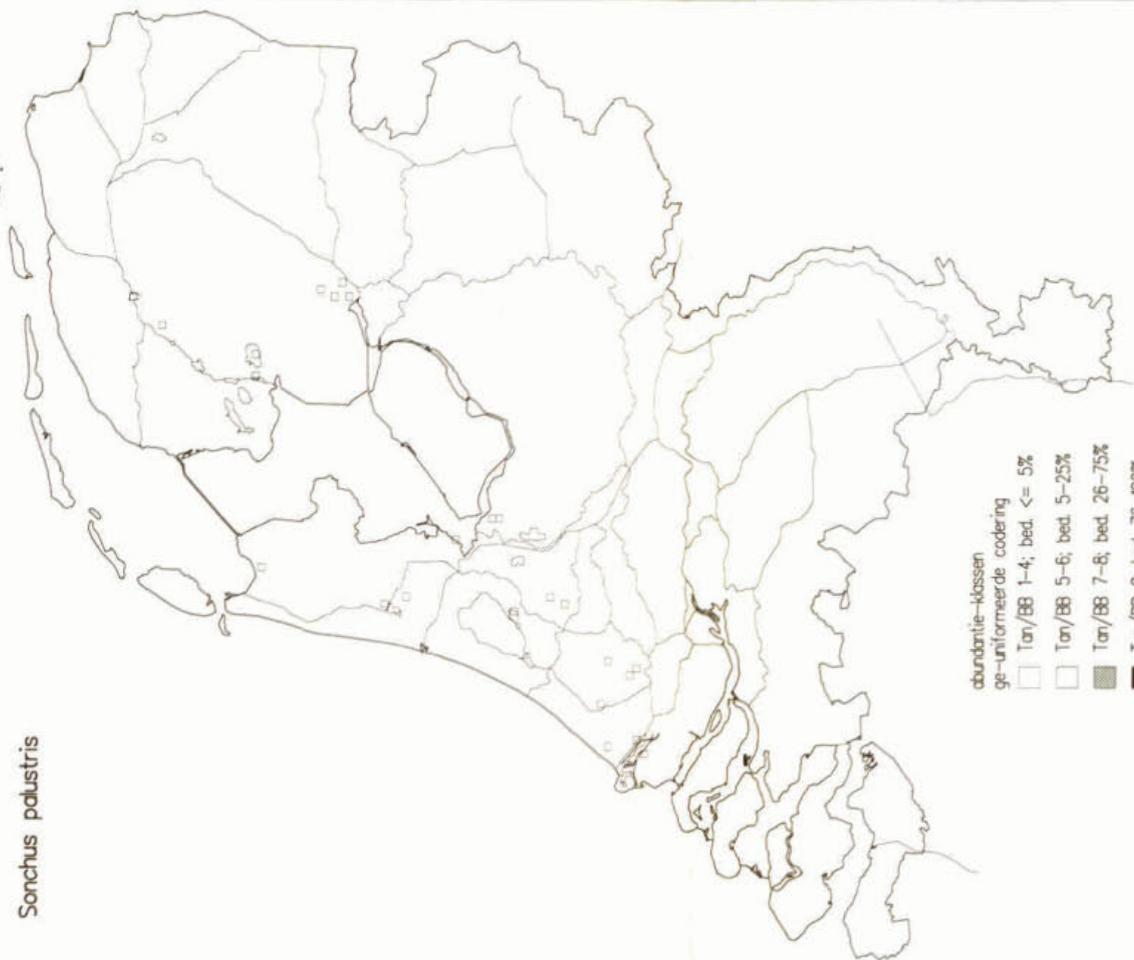
Zand	klei	veen	?
------	------	------	---

watertypen

kan	meer	slie	zijk
-----	------	------	------

Macrofyten : Spermatophyta (zaadplanten)

**Sonchus palustris**



abundantie-klassen  
ge-uniforme codering  
□ T<sub>an</sub>/BB 1-4; bed. <= 5%  
□ T<sub>an</sub>/BB 5-6; bed. 5-25%  
■ T<sub>an</sub>/BB 7-8; bed. 26-75%  
■ T<sub>an</sub>/BB 9; bed. 76-100%

Sonchus palustris

vangsten : 26  
localities : 26  
holken : 24

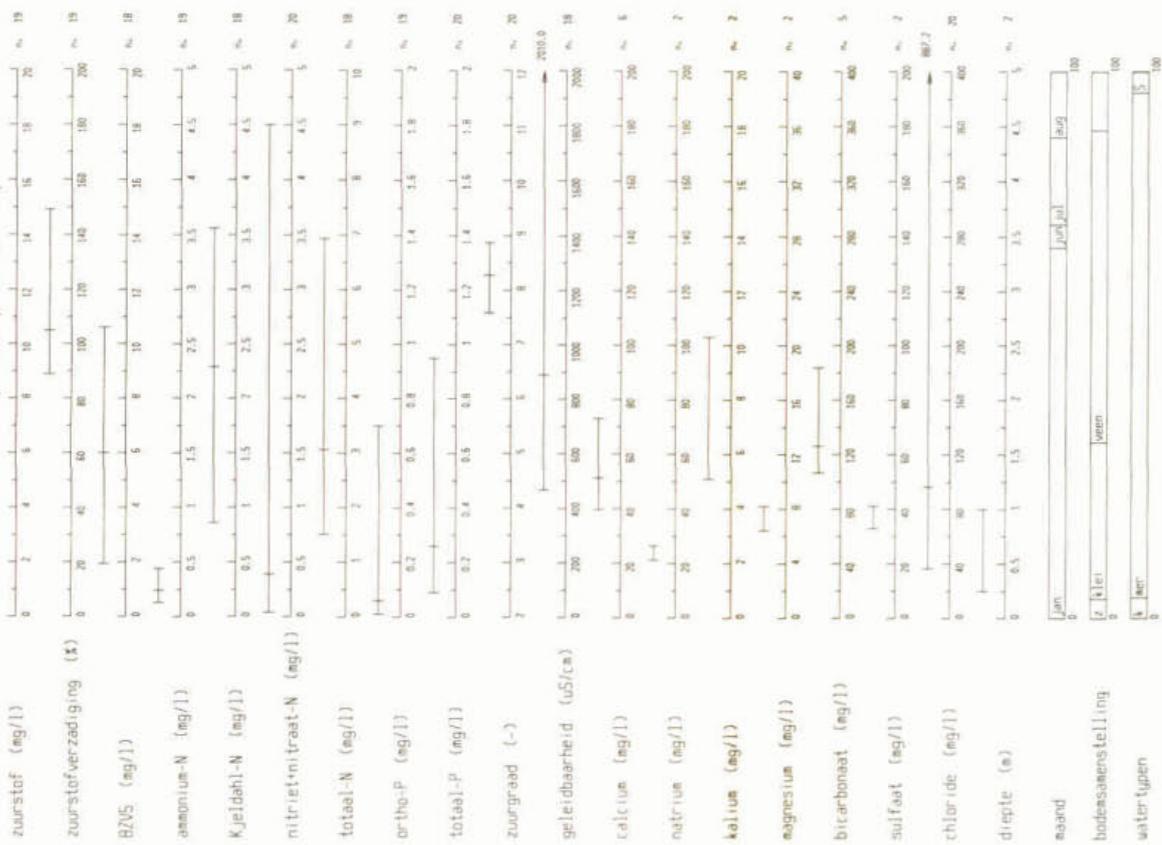
water-typen  
□ meren  
□ stromende wateren

grond- en kleigaten  
□ zand-  
□ kleigaten

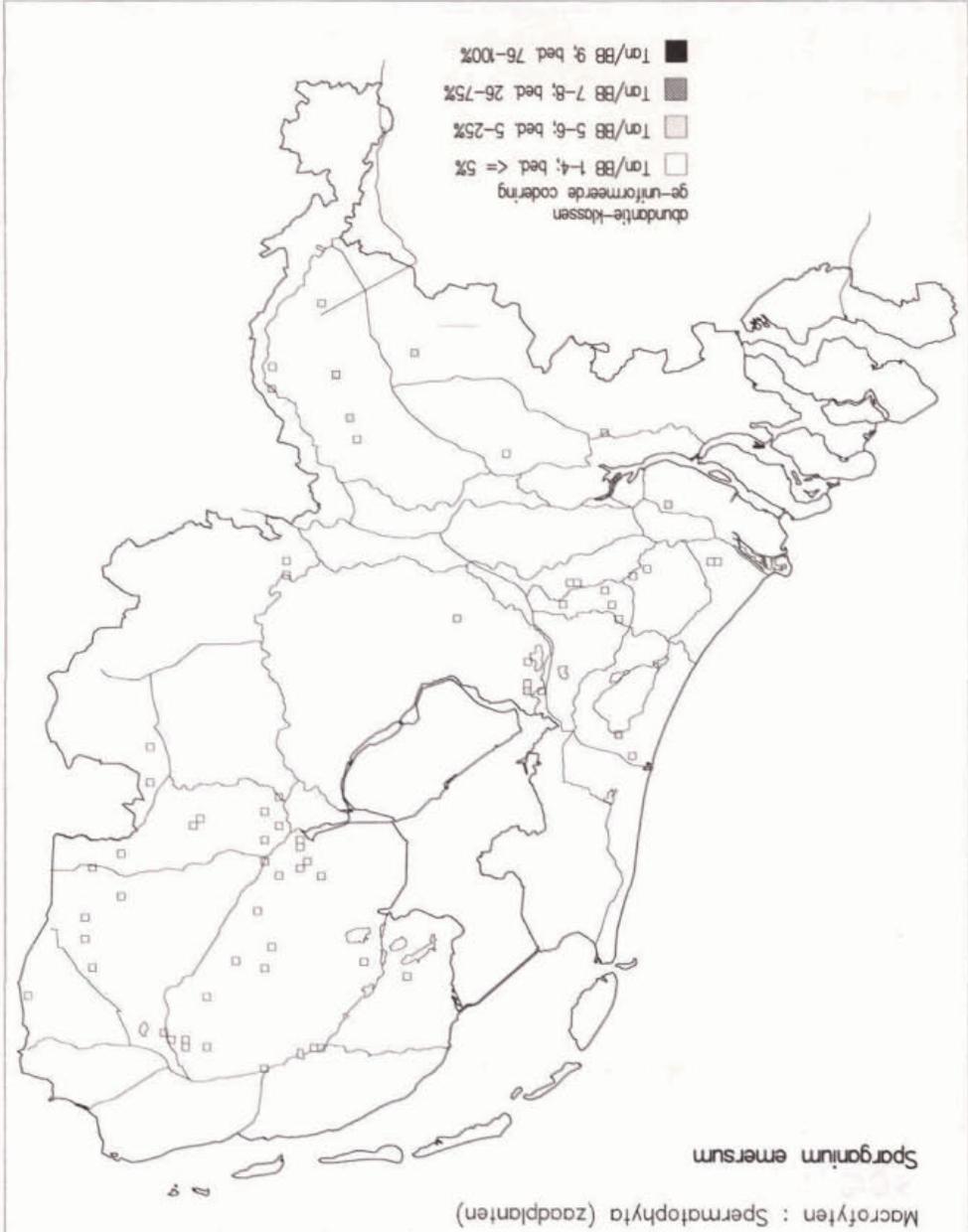
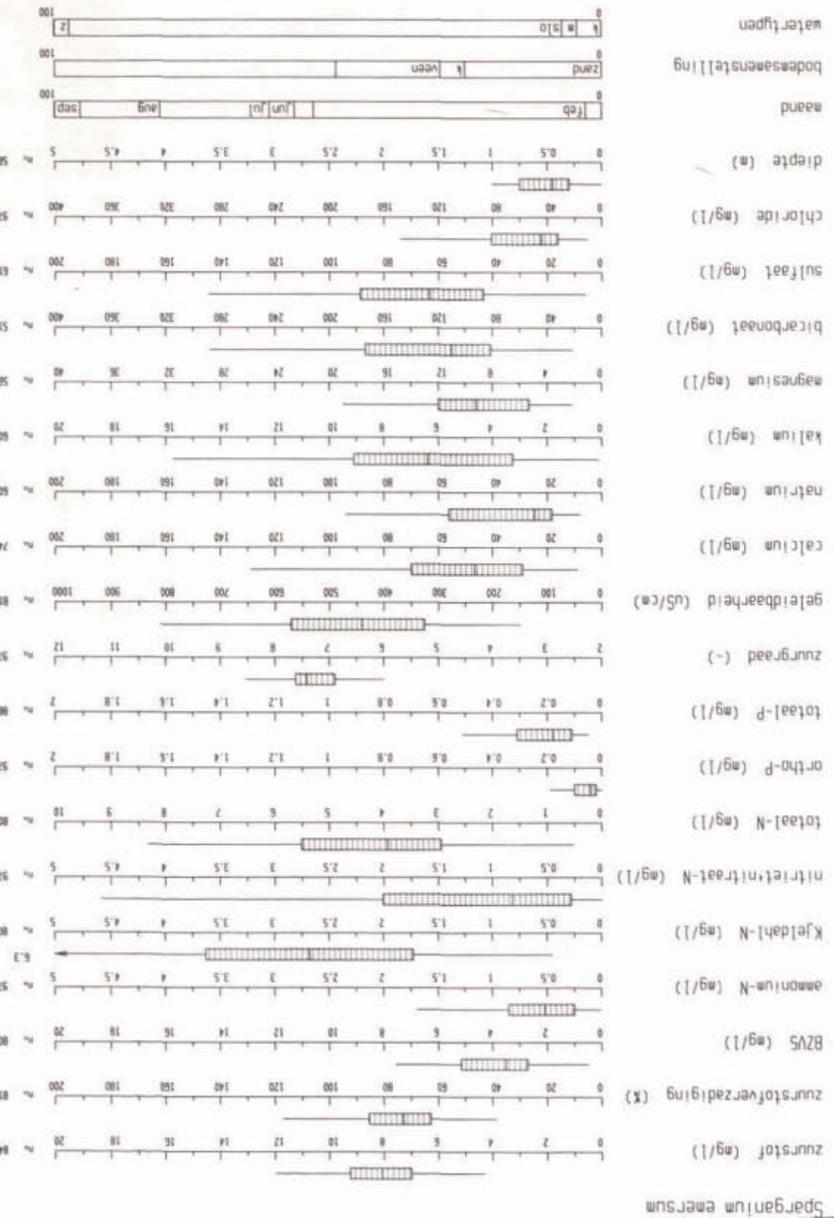
**stowa**

Eco-atlas van waterorganismen

Sonchus palustris



Jan. Junijul. aug.  
E. klari. leem  
S. Mer. 5 100



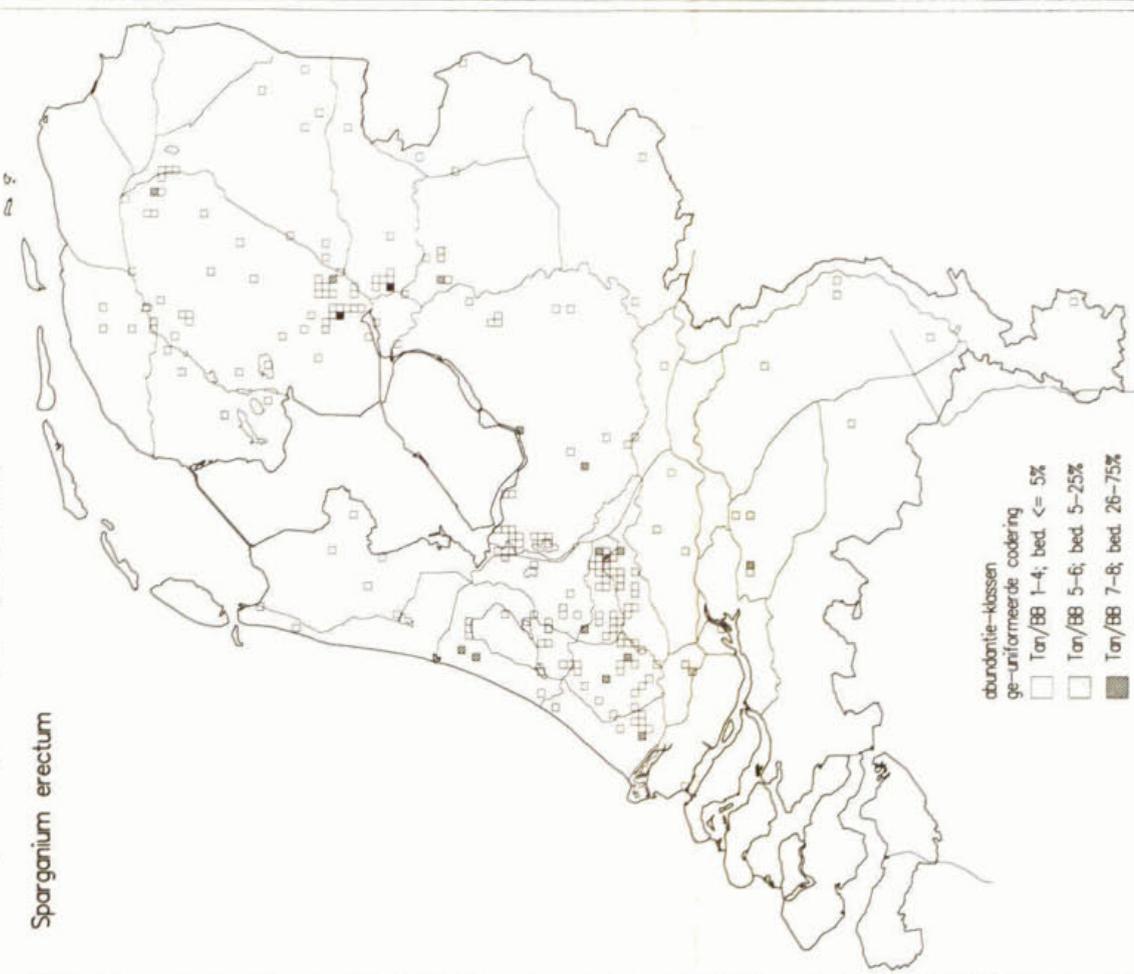
**STOWA**  
Eco-atlas van waterorganismen

Sparganium emersum

vangsten : 101	watertypen <input checked="" type="checkbox"/> sloten <input checked="" type="checkbox"/> meren	locaties : 88
hokken : 66	<input checked="" type="checkbox"/> kanden <input type="checkbox"/> stormende woteren <input checked="" type="checkbox"/> zand-, grind- en kleigaten	

Macrofyten : Spermatophyta (zaadplanten)

**Sparganium erectum**



abundantie-klassen  
 ge-uniformeerde codering  
 Tan/BB 1-4; bed. <= 5%  
 Tan/BB 5-6; bed. 5-25%  
 Tan/BB 7-8; bed. 26-75%  
 Tan/BB 9; bed. 76-100%

**Sparganium erectum**

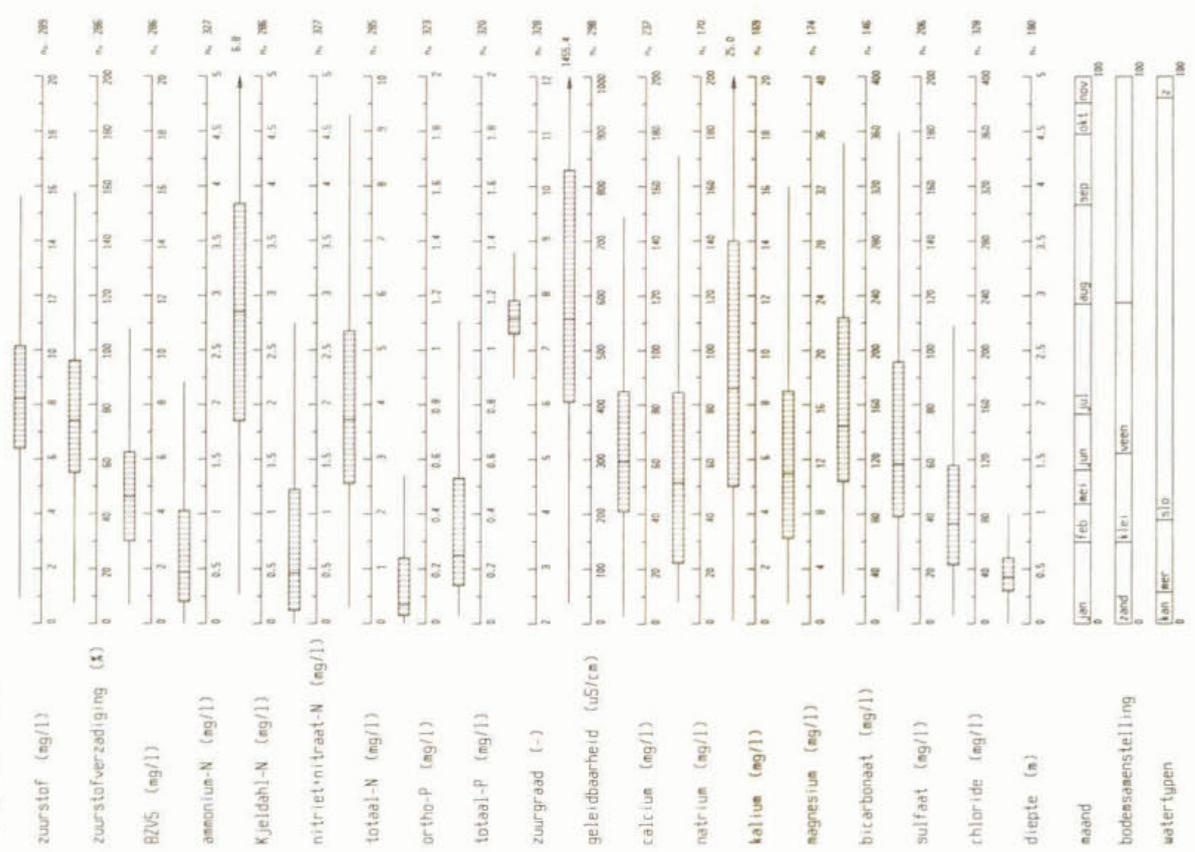
vangsten : 356  
 locaties : 273  
 hokken : 219

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen



Eco-atlas van waterorganismen

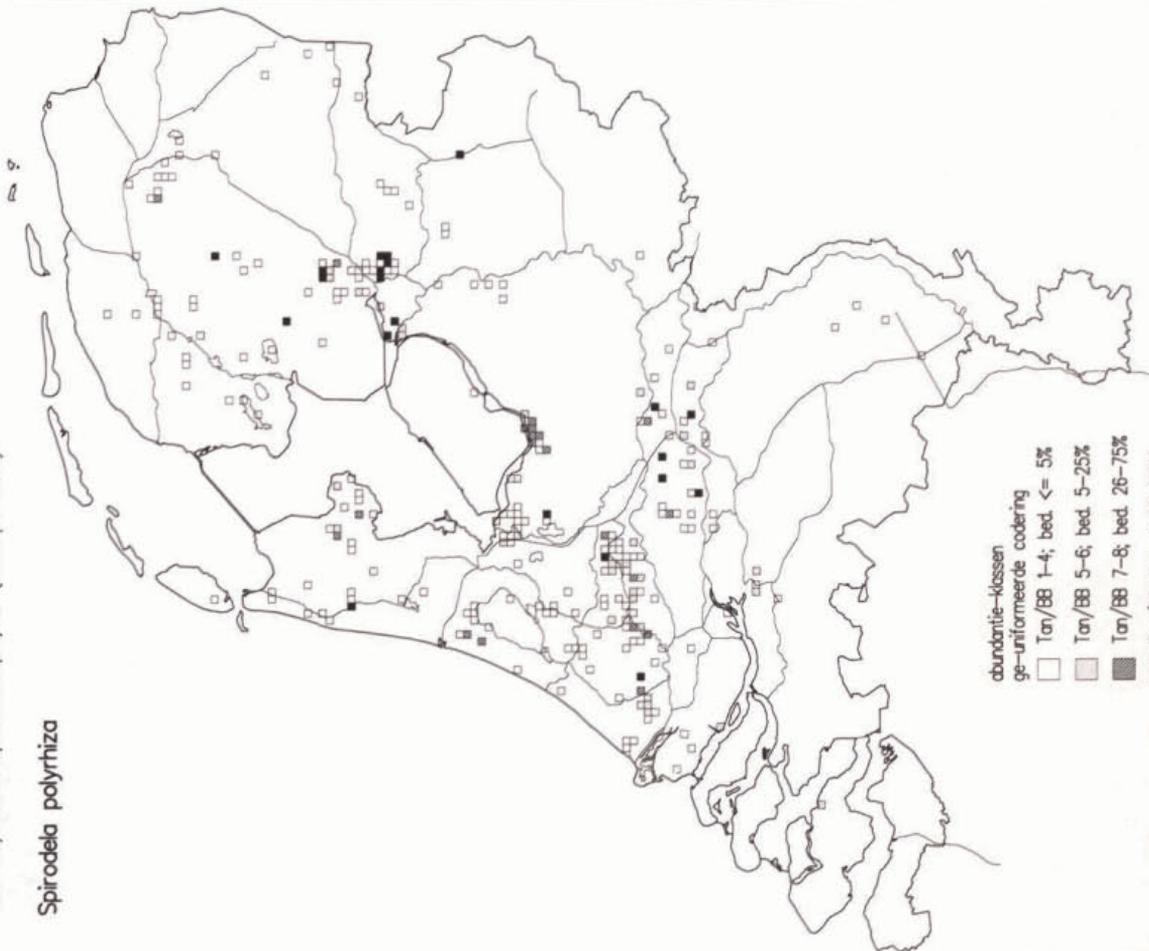
**Sparganium erectum**



Jan Feb Mei Jun Jul Aug Sep Okt Nov Dec  
 zand klei veen  
 van leer naar

Macrofyten : Spermatophyta (zaadplanten)

Spirodela polyrhiza



abundantie-klassen  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. <= 5%  
◻ Ton/BB 5-6; bed. 5-25%  
◼ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

**stowa**

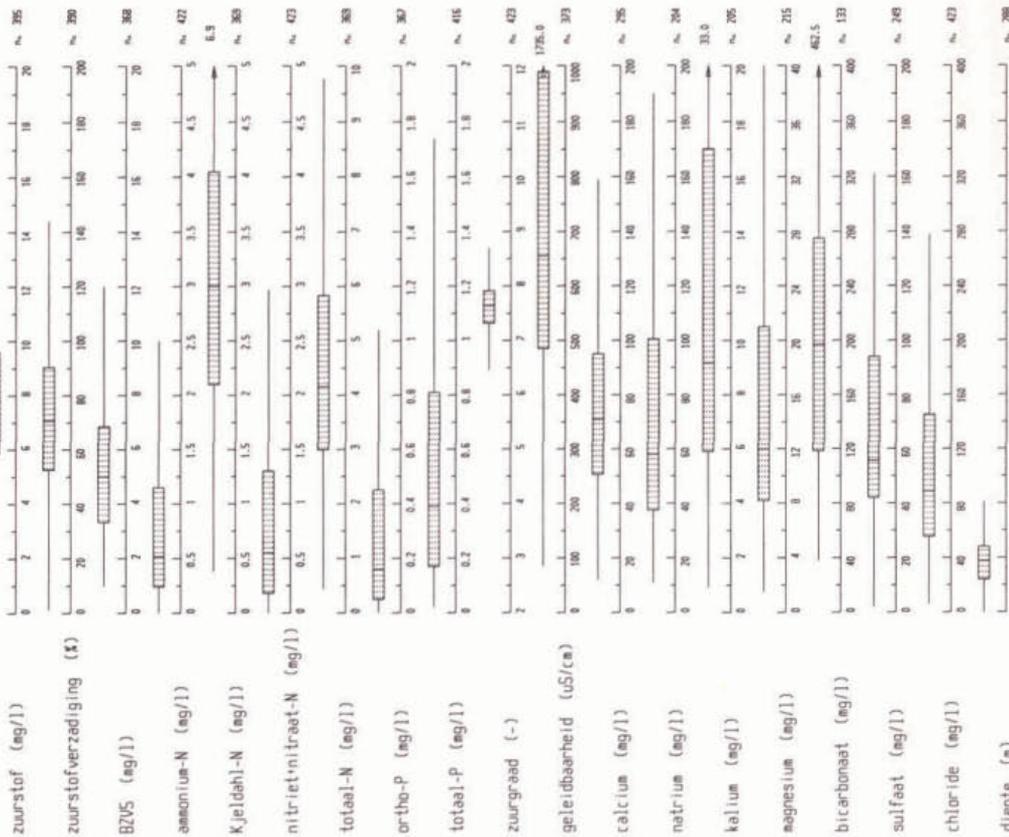
Eco-atlas van waterorganismen

Spirodela polyrhiza

vangsten : 446  
localities : 326  
hokken : 252

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

Spirodela polyrhiza



zuurstof (mg/l)

zuurstofverzadiging (%)

BZVS (mg/l)

ammonium-N (mg/l)

Kjeldahl-N (mg/l)

nitriet/nitraat-N (mg/l)

totaal-N (mg/l)

ortho-P (mg/l)

totaal-P (mg/l)

zuurgraad (-)

geleidbaarheid (µS/cm)

calcium (mg/l)

natrium (mg/l)

kalium (mg/l)

magnesium (mg/l)

bicarbonaat (mg/l)

sulfaat (mg/l)

chloride (mg/l)

diepte (m)

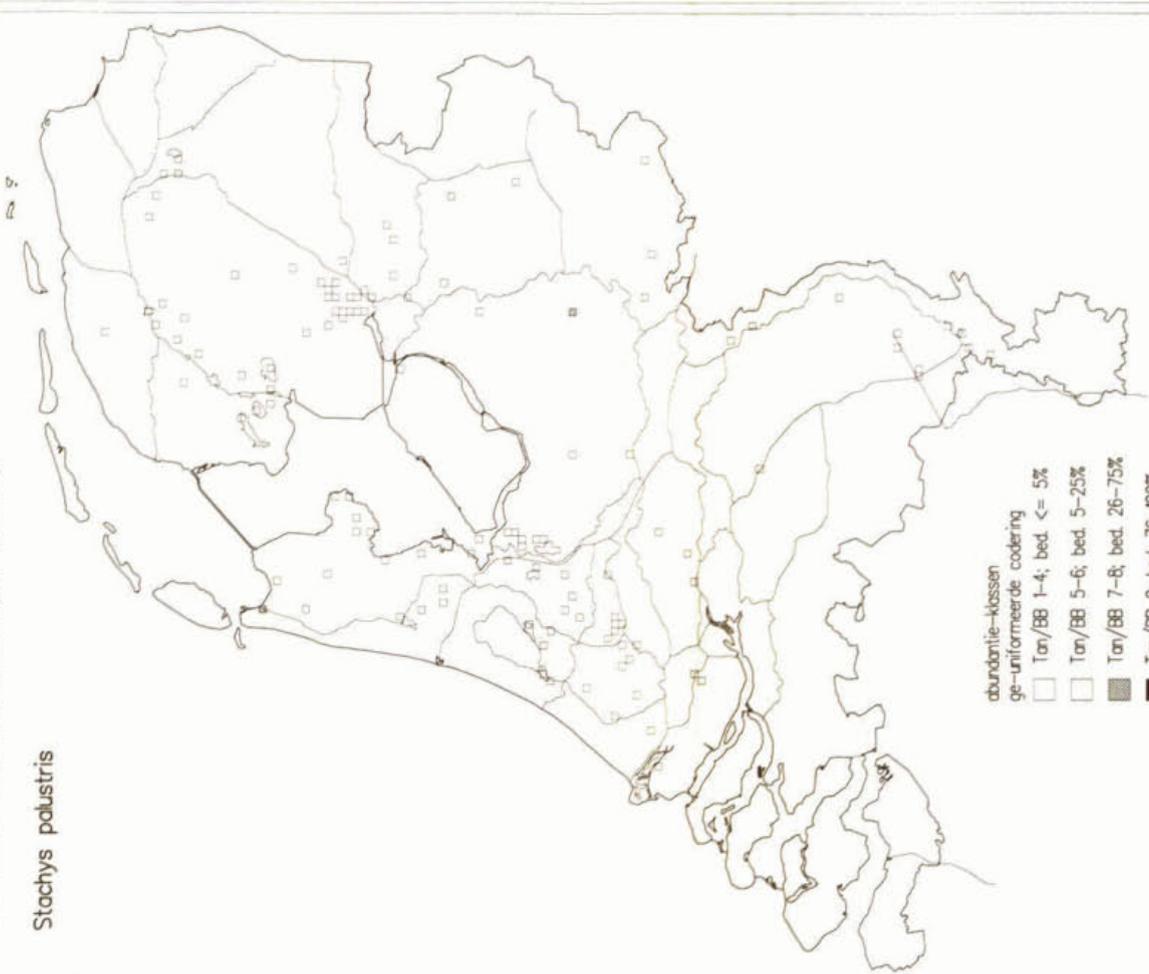
maand

bodemsamenstelling

watertypen

Macrofyten : Spermatophyta (zaadplanten)

**Stachys palustris**



abundantie-klassen  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. <= 5%  
□ Ton/BB 5-6; bed. 5-25%  
■ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

Stachys palustris

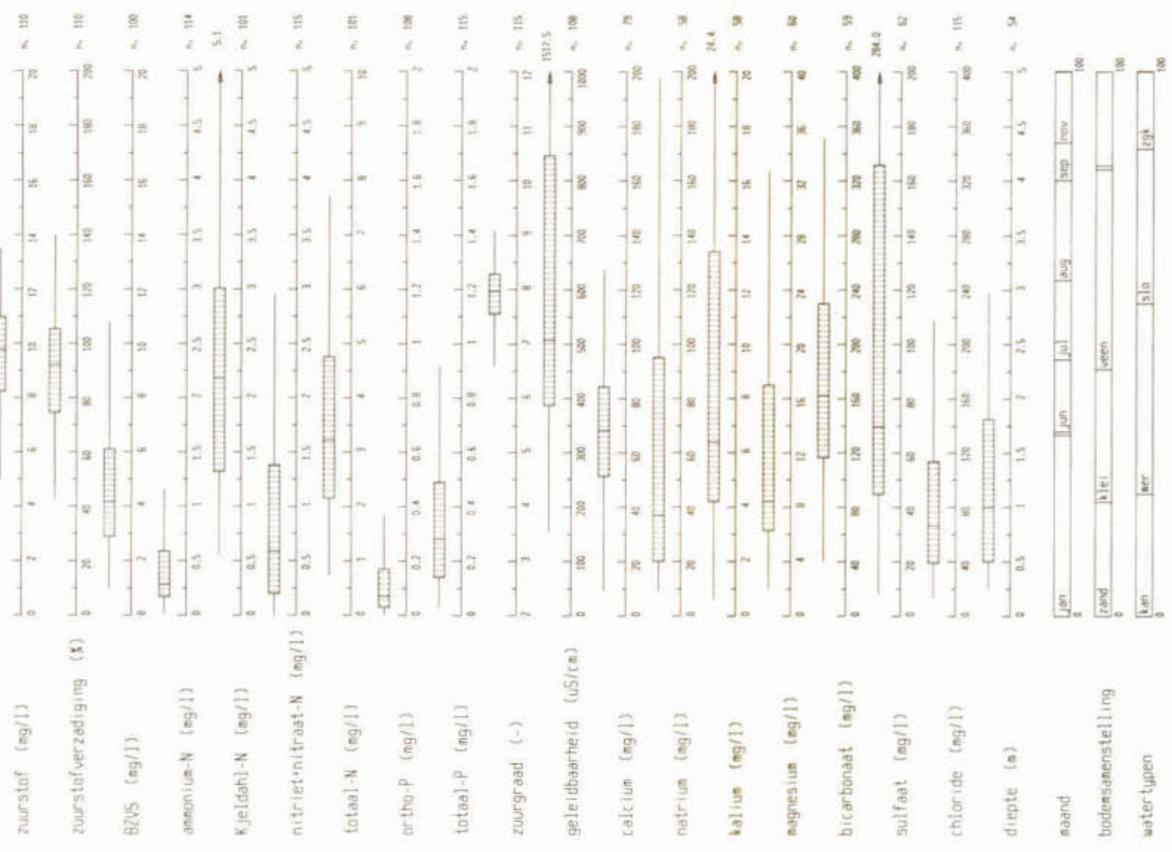
vangsten : 134  
localities : 126  
hakken : 121

watertypen  sloten  meeren  
 stromende wateren  zand-, grind- en kleigaten  
 kanalen

**stowa**

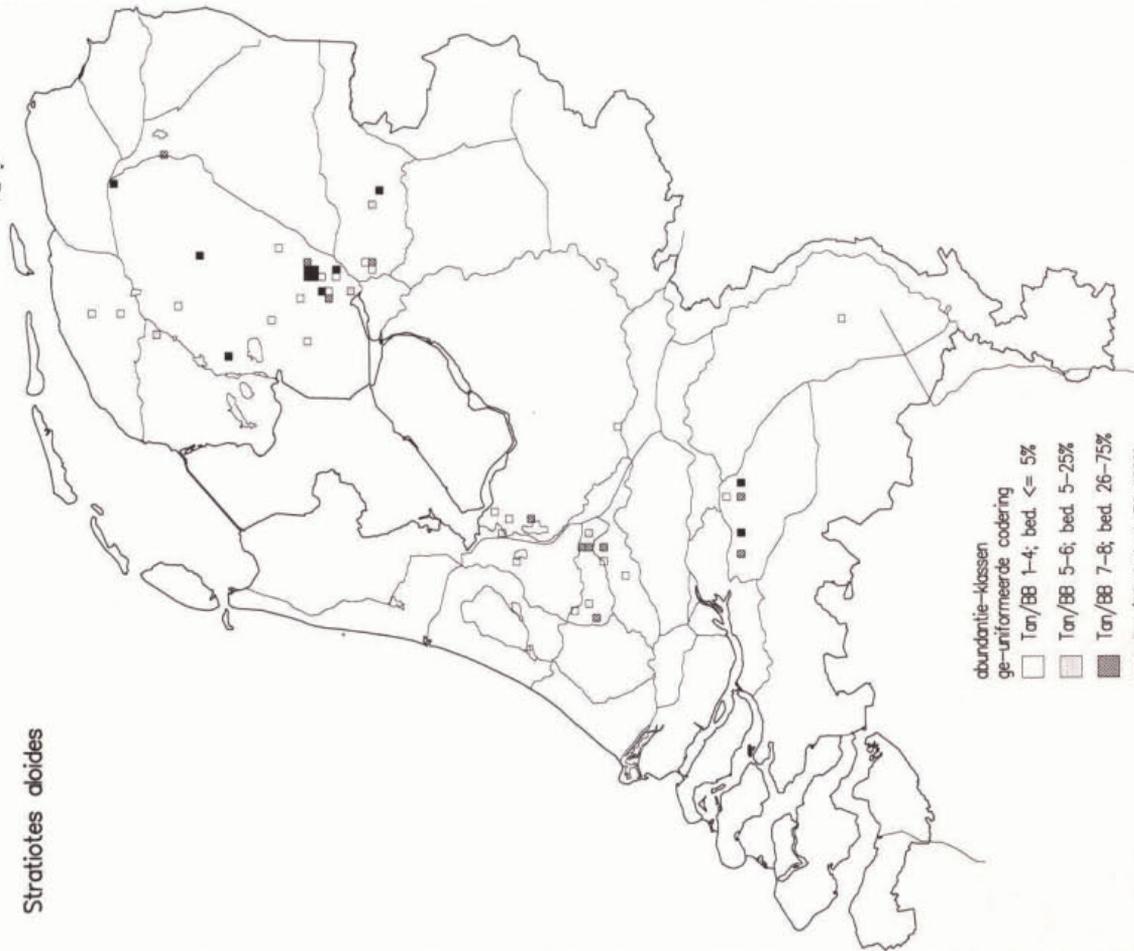
Eco-atlas van waterorganismen

Stachys palustris



Macrofyten : Spermatophytia (zaadplanten)

Stratiotes dioides



abundantie-klassen  
 ge-uniformeerde codering  
 □ T<sub>α</sub>/BB 1-4; bed. <= 5%  
 ▨ T<sub>α</sub>/BB 5-6; bed. 5-25%  
 ▩ T<sub>α</sub>/BB 7-8; bed. 26-75%  
 ■ T<sub>α</sub>/BB 9; bed. 76-100%

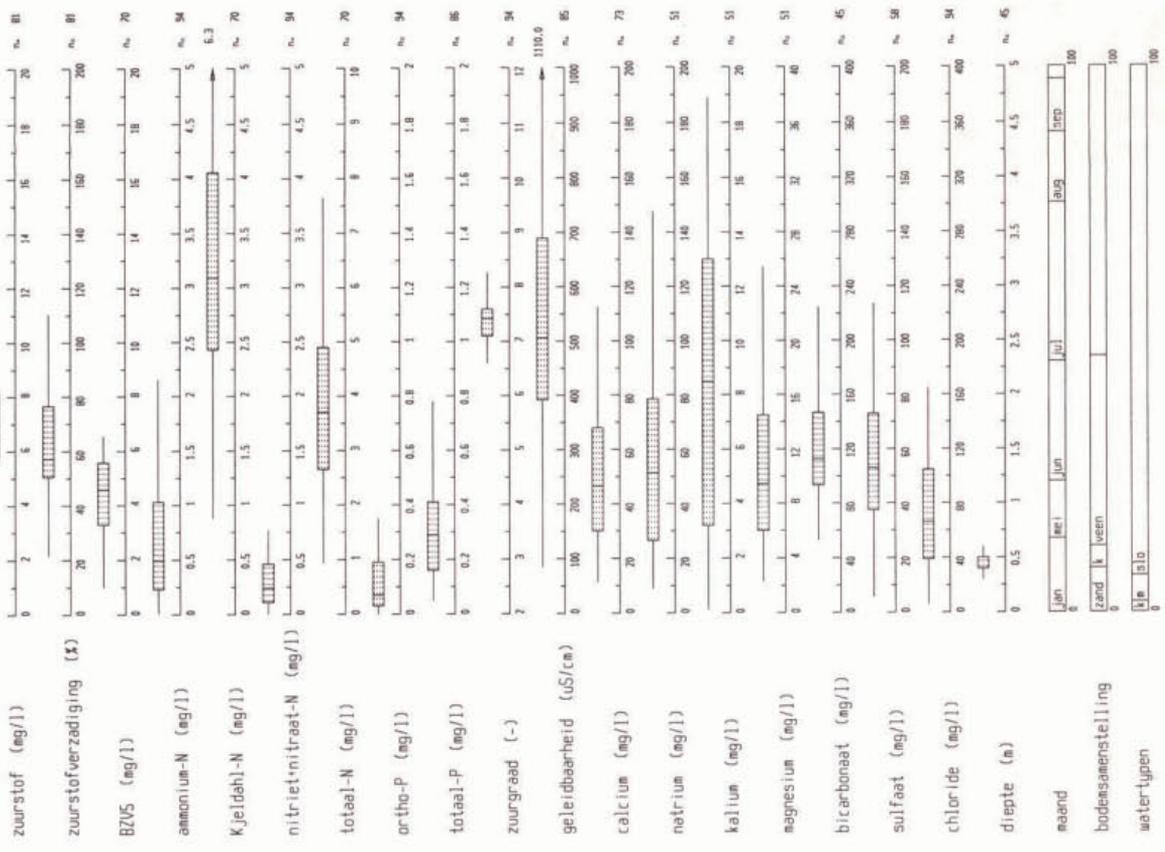
**stowa**  
 Eco-atlas van waterorganismen

vangsten : 99  
 localities : 65  
 hokken : 50

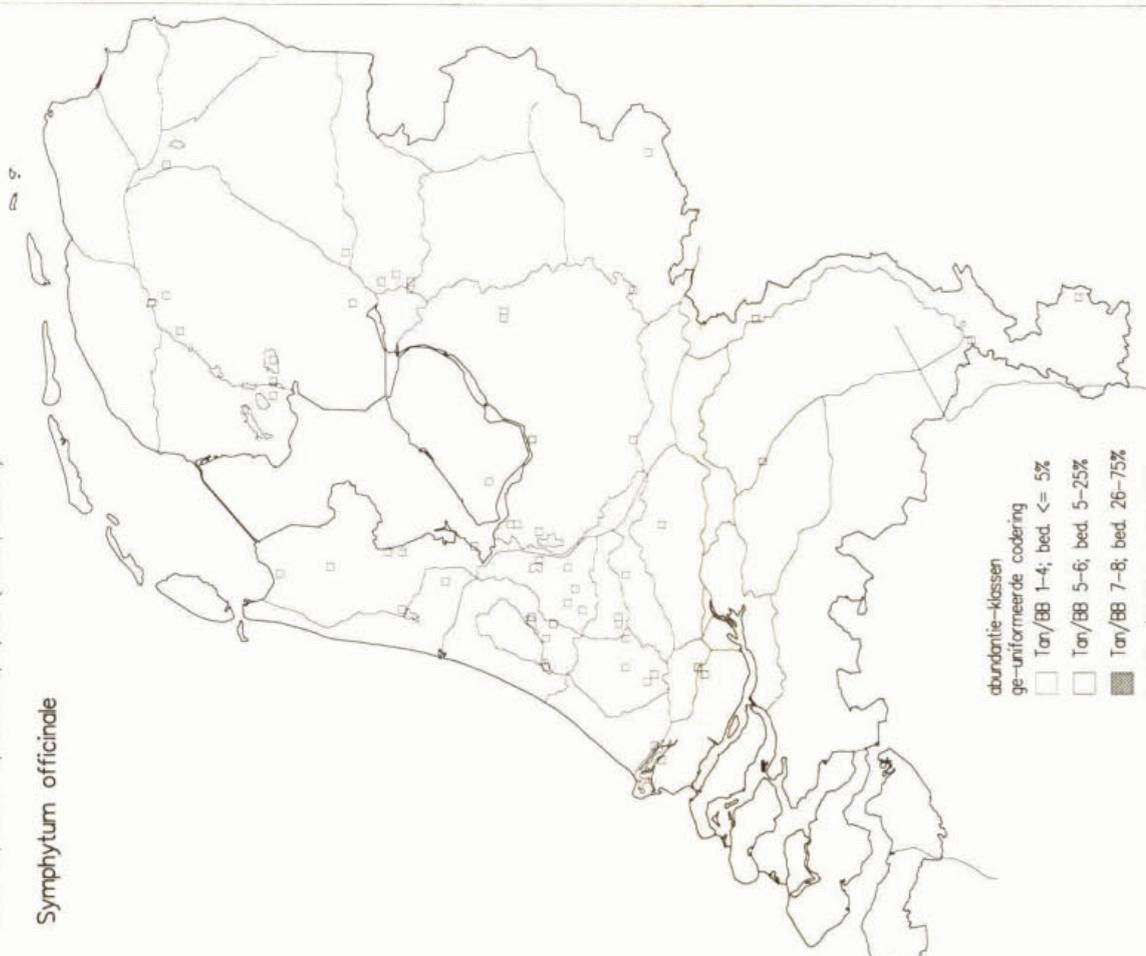
Stratiotes dioides

water-typen  
 sloten  
 stromende wateren  
 meren  
 zand-, grind- en kleigaten  
 kanden

Stratiotes dioides



Macrofyten : Spermatophyta (zaadplanten)  
Symphytum officinale



abundantie-klassen  
ge-uniformeerde codering  
 1  
 2  
 3  
 4  
 5

Symphytum officinale

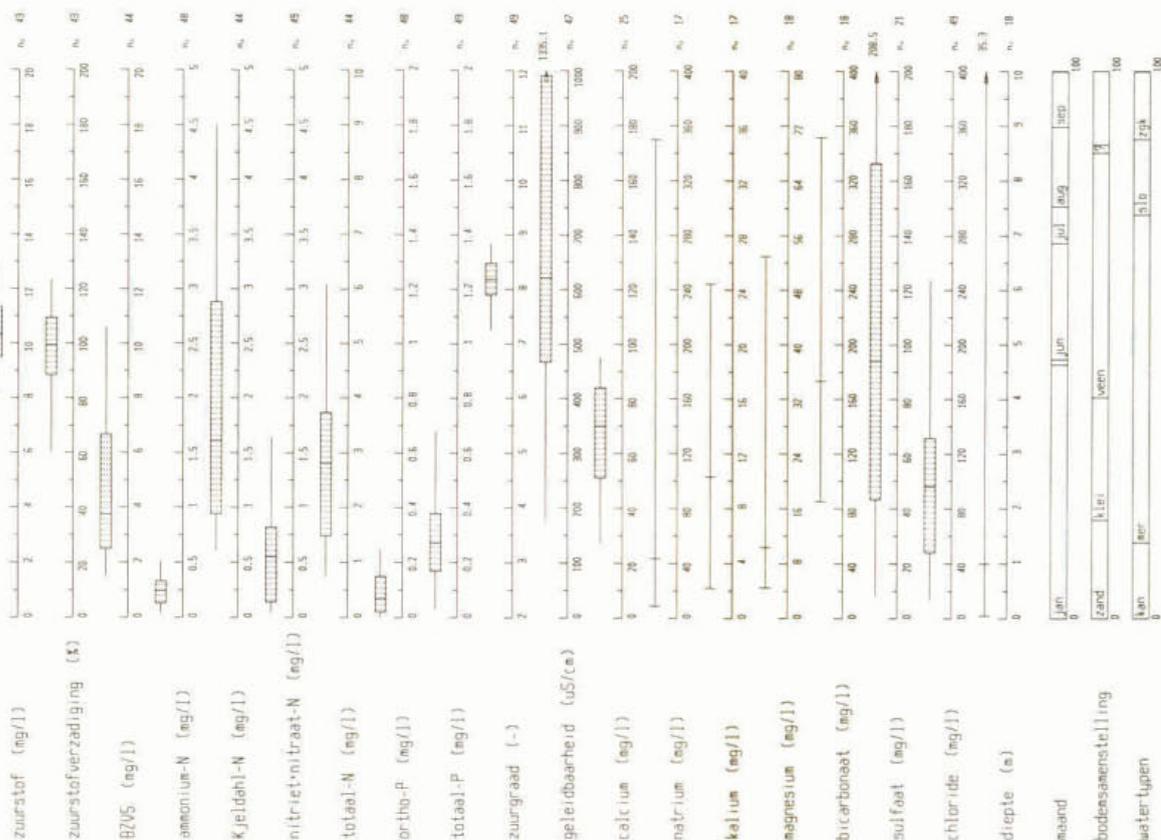
vangsten : 65  
 localities : 64  
 hokken : 57

watertypen  
 sloten  
 meren  
 stromende wateren  
 zand-, grind- en kleigaten  
 kanalen



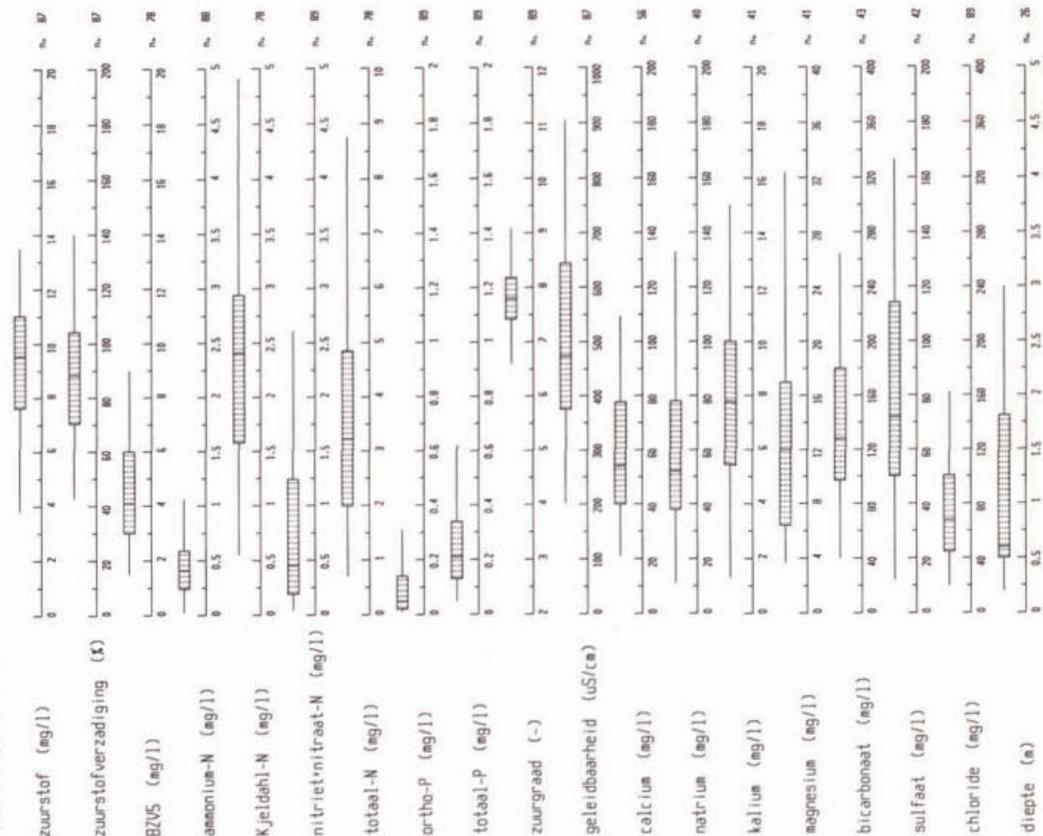
Eco-atlas van waterorganismen

Symphytum officinale

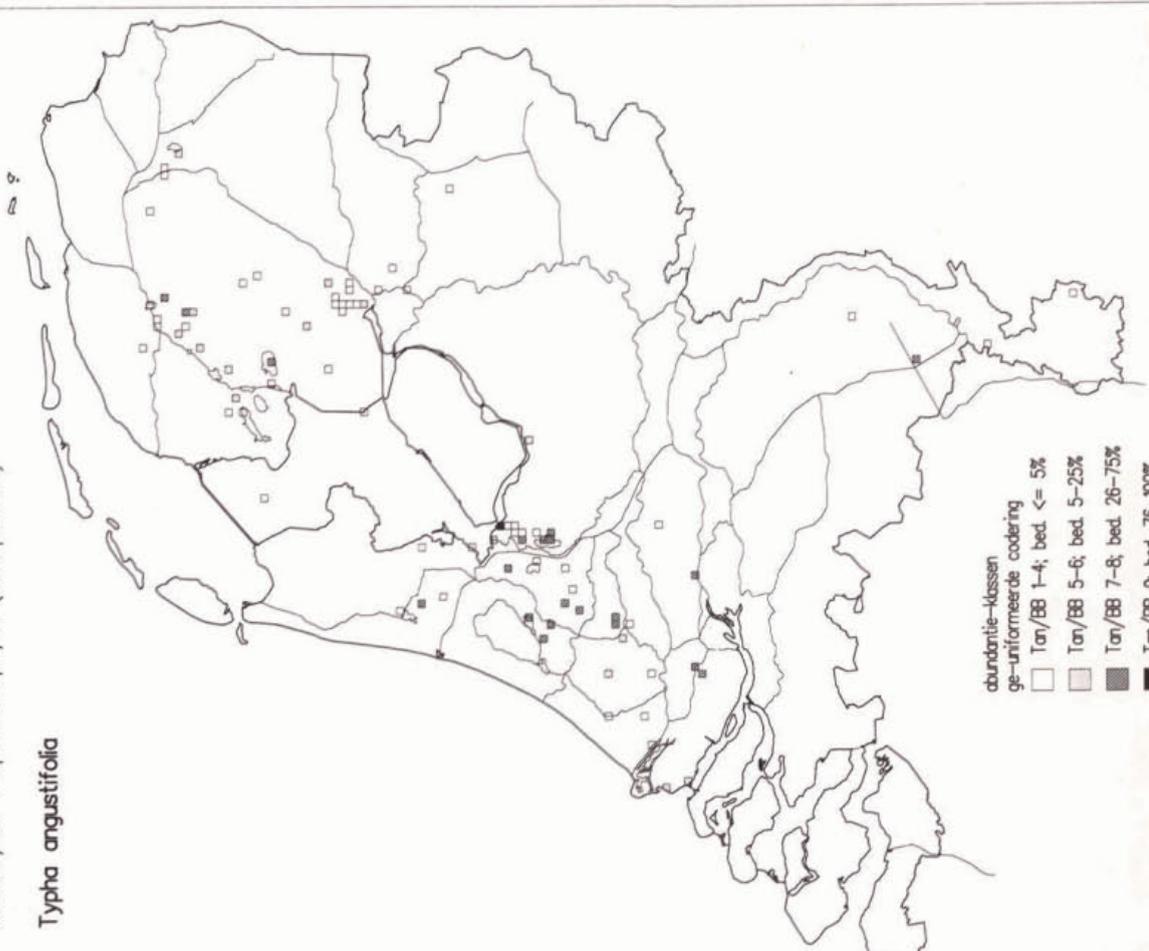


Macrofyten : Spermatophyta (zaadplanten)

Typha angustifolia



jan	jun	jul	aug	sept
Zand				
klei				
veen				
aan	meer	slib	zijk	100



abundantie-klassen  
ge-uniformeerde codering

- Tar/BB 1-4; bed. <= 5%
- ▤ Tar/BB 5-6; bed. 5-25%
- ▥ Tar/BB 7-8; bed. 26-75%
- Tar/BB 9; bed. 76-100%

Typha angustifolia

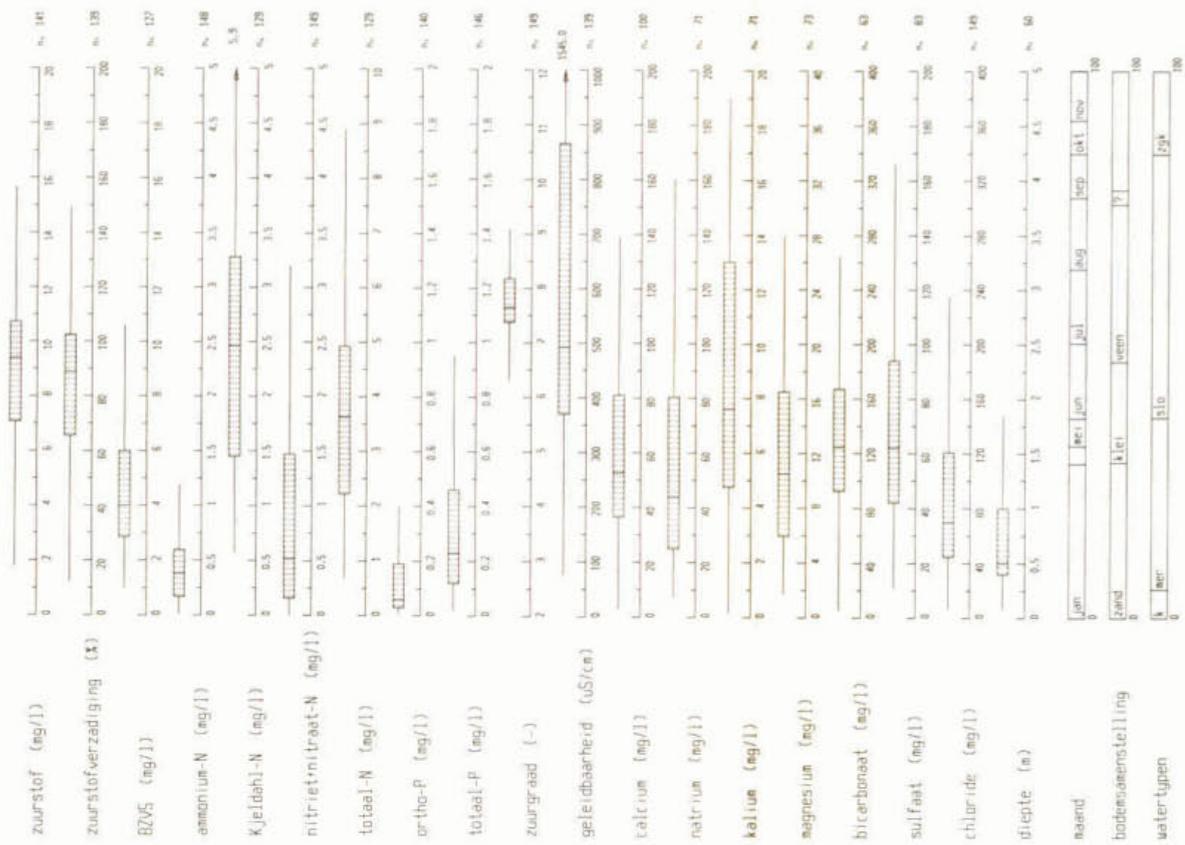
Stowa  
Eco-atlas van waterorganismen

vangsten : 114  
locaties : 95  
hokken : 87

watertypen

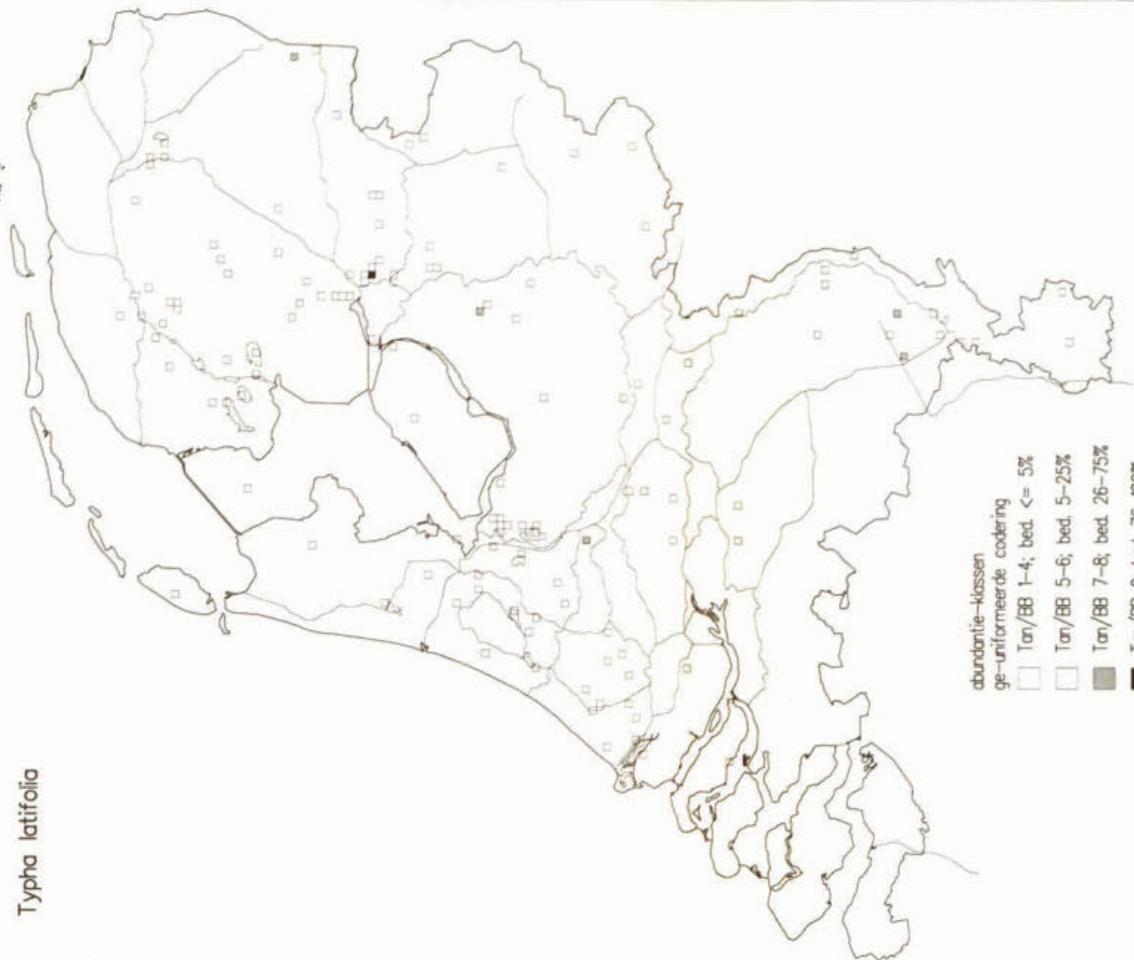
- sloten
- meren
- stromende wateren
- zand-, grind- en kleigaten
- kanalen

*Typha latifolia*



jan	mei	jun	jul	aug	sep	okt	nov
zand	klei	veen					
meer	slie					rijk	

Macrofyten : Spermatophyta (zaadplanten)  
*Typha latifolia*



- abundantie-klassen  
ge-uniformeerde codering
- T<sub>an</sub>/BB 1-4; bed. <= 5%
  - ▤ T<sub>an</sub>/BB 5-6; bed. 5-25%
  - T<sub>an</sub>/BB 7-8; bed. 26-75%
  - T<sub>an</sub>/BB 9; bed. 76-100%

*Typha latifolia*

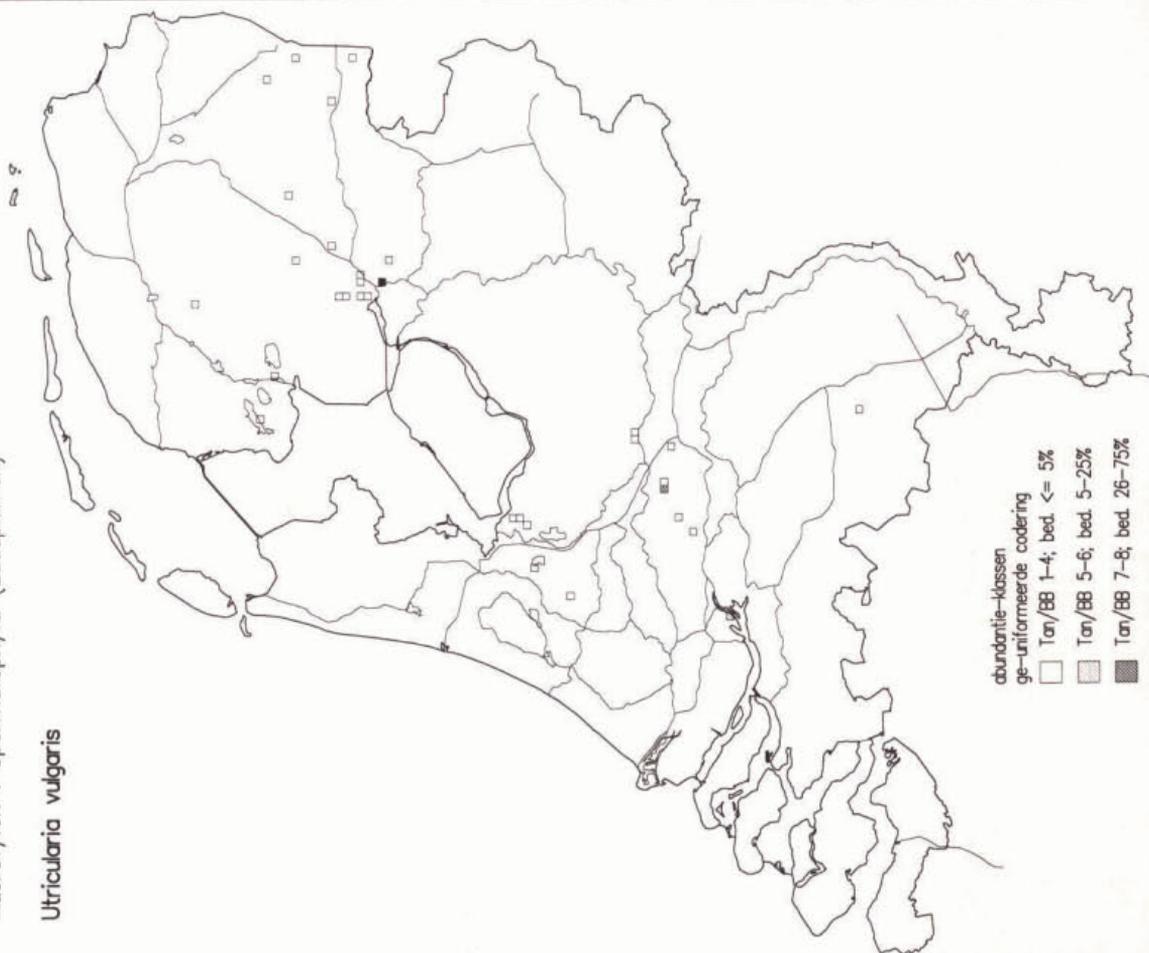
vangsten : 171	watertypen	▣ sloten	▣ meren
localities : 140		▣ stromende wateren	▣ zand-, grind- en kleigaten
hokken : 130		▣ kanalen	

**stowa**

Eco-atlas van waterorganismen

Macrofyten : Spermatophyta (zaadplanten)

Utricularia vulgaris



abundantie-klassen  
ge-uniformeerde codering

- Tar/BB 1-4; bed. <= 5%
- Tar/BB 5-6; bed. 5-25%
- Tar/BB 7-8; bed. 26-75%
- Tar/BB 9; bed. 76-100%

Utricularia vulgaris

vangsten : 36  
locaties : 34  
hokken : 33

watertypen

- sloten
- mieren
- stromende wateren
- zand-, grind- en kleigaten
- kanalen

**stowa**

Eco-atlas van waterorganismen

zuurstof (mg/l)



zuurstofverzadiging (%)



BZVS (mg/l)



ammonium-N (mg/l)



Kjeldahl-N (mg/l)



nitriet/nitraat-N (mg/l)



totaal-N (mg/l)



ortho-P (mg/l)



totaal-P (mg/l)



zuurgraad (-)



geleidbaarheid (uS/cm)



calcium (mg/l)



natrium (mg/l)



kalium (mg/l)



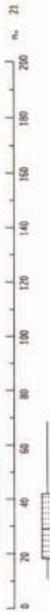
magnesium (mg/l)



bicarbonaat (mg/l)



sulfaat (mg/l)



chloride (mg/l)



diepte (m)



maand



bodeminstelling

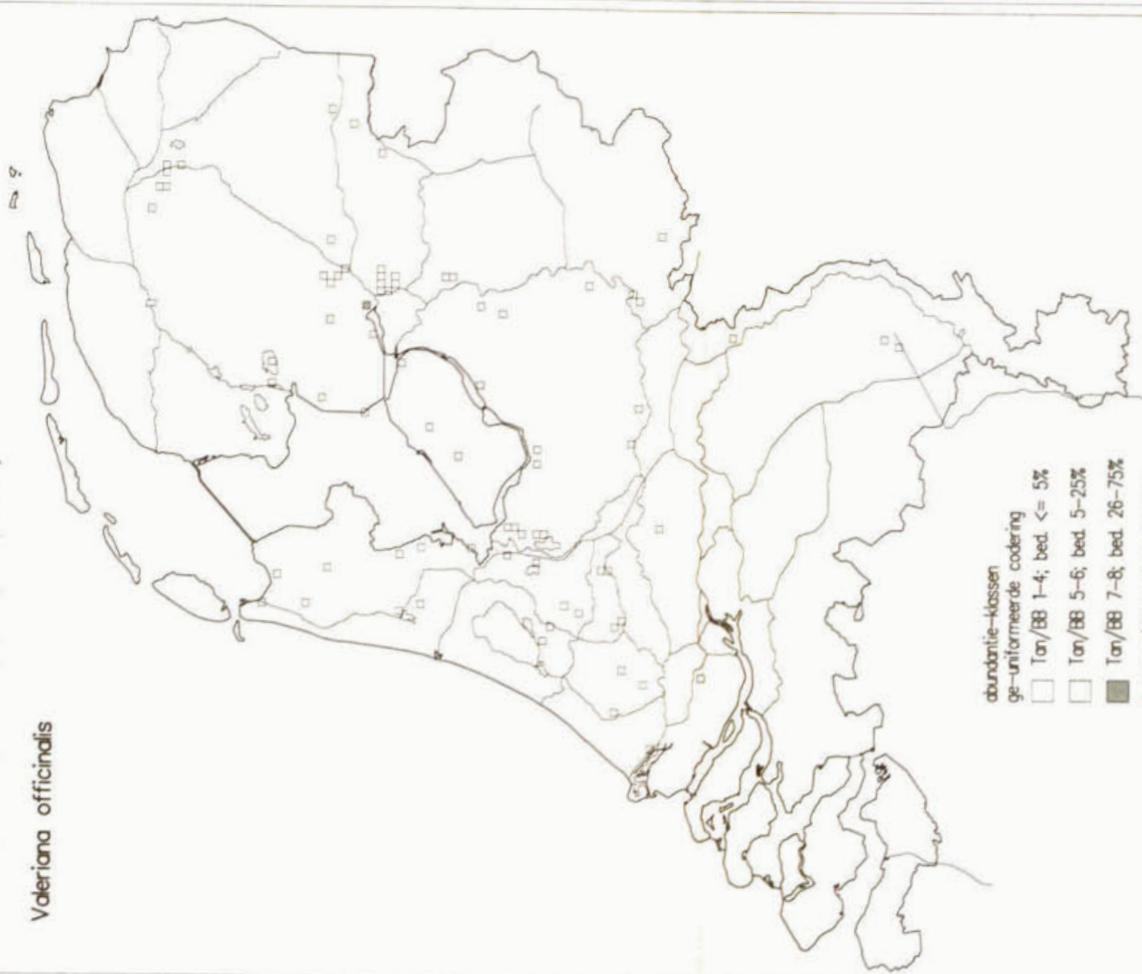


watertypen



Macrofyten : Spermatophyta (zaadplanten)

*Valeriana officinalis*



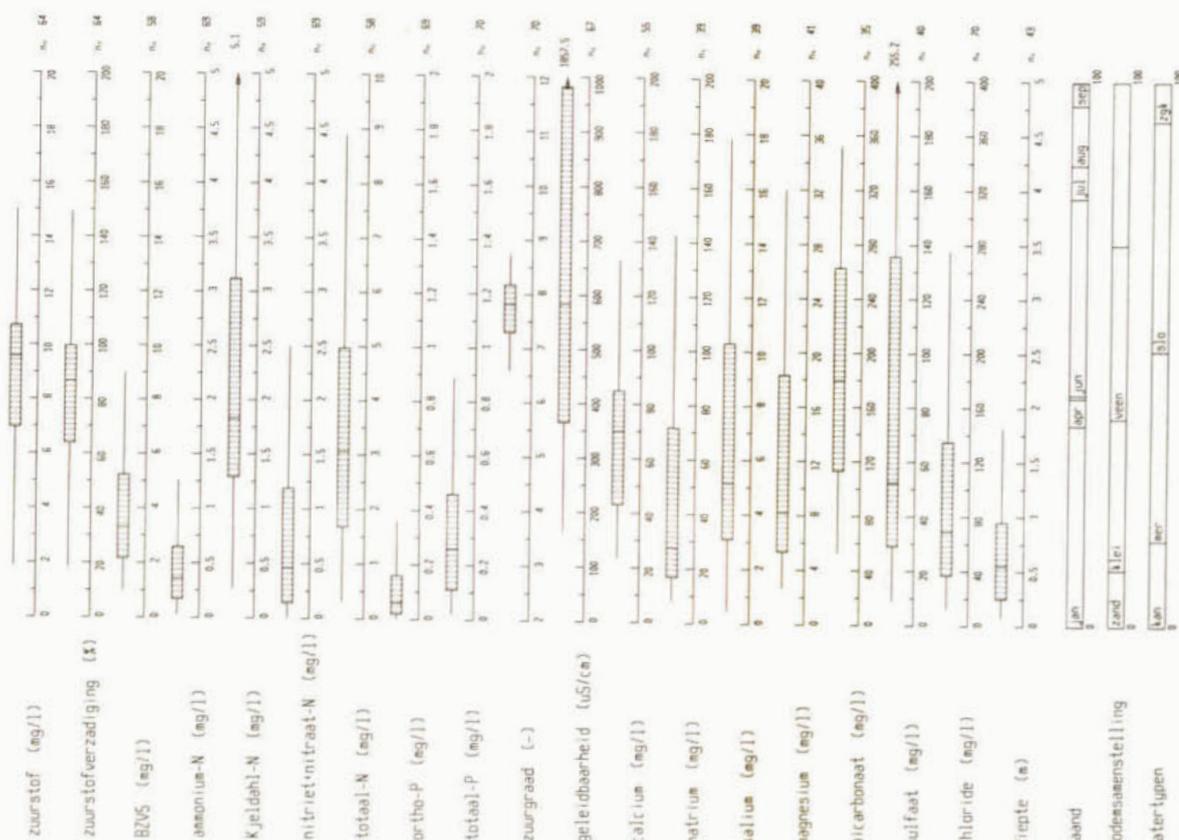
- abundantie-klassen  
ge-uniformeerde codering
- Ton/BB 1-4; bed. <= 5%
  - ◻ Ton/BB 5-6; bed. 5-25%
  - ◼ Ton/BB 7-8; bed. 26-75%
  - Ton/BB 9; bed. 76-100%

vangsten : 83  
locaties : 83  
habbten : 78

*Valeriana officinalis*

watertypen  
sloten  
meren  
stromende wateren  
zand-, grind- en kleigaten

*Valeriana officinalis*



maand:  jan  apr  jun  jul  aug  sep  okt

bodesaemstelling:  zand  klei  veen

watertypen:  kan  beer  slo  blok

Macrofyten : Spermatophyta (zaadplanten)

Veronica catenata



abundantie-klassen  
ge-uniformeerde codering  
□ Ton/BB 1-4; bed. <= 5%  
▒ Ton/BB 5-6; bed. 5-25%  
■ Ton/BB 7-8; bed. 26-75%  
■ Ton/BB 9; bed. 76-100%

Veronica catenata

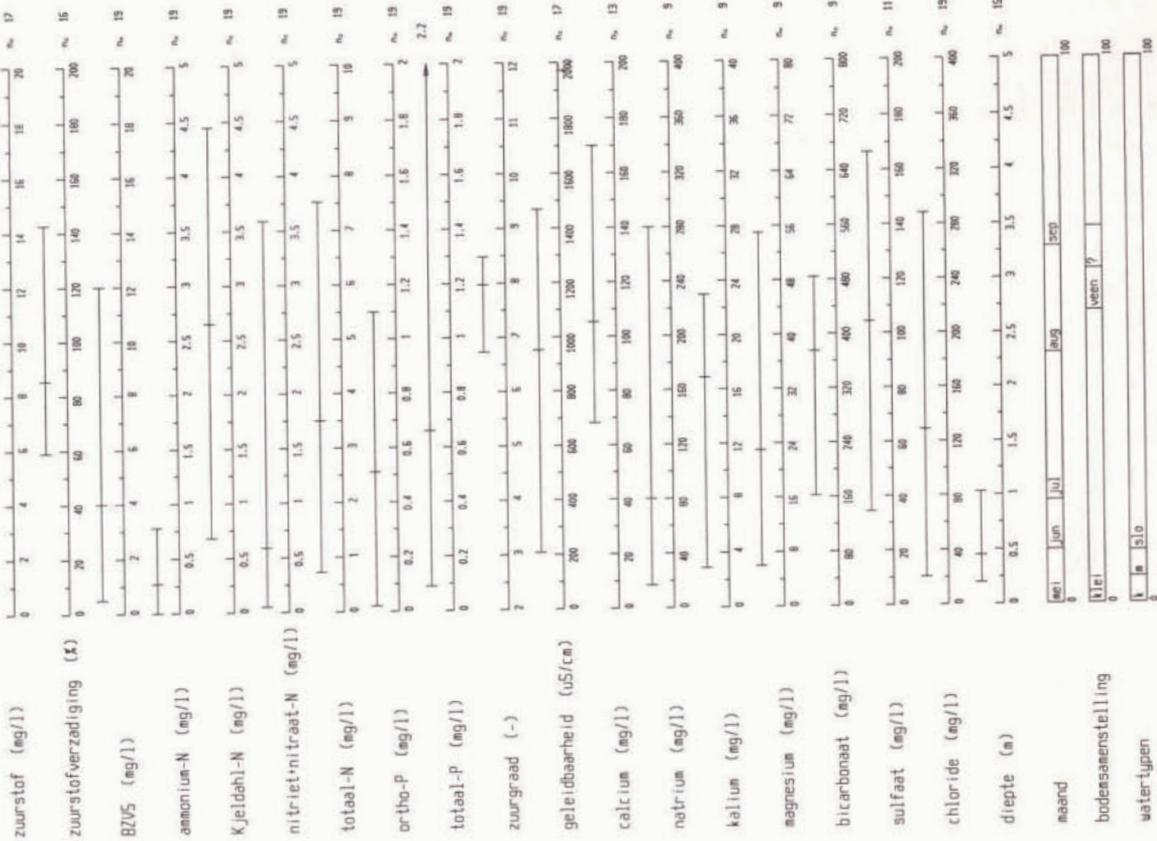
vangsten : 21  
locaties : 16  
hokken : 15

watertypen  sloten  meren  
 stromende wateren  zand-, grind- en kleigaten  
 kanden

**stowa**

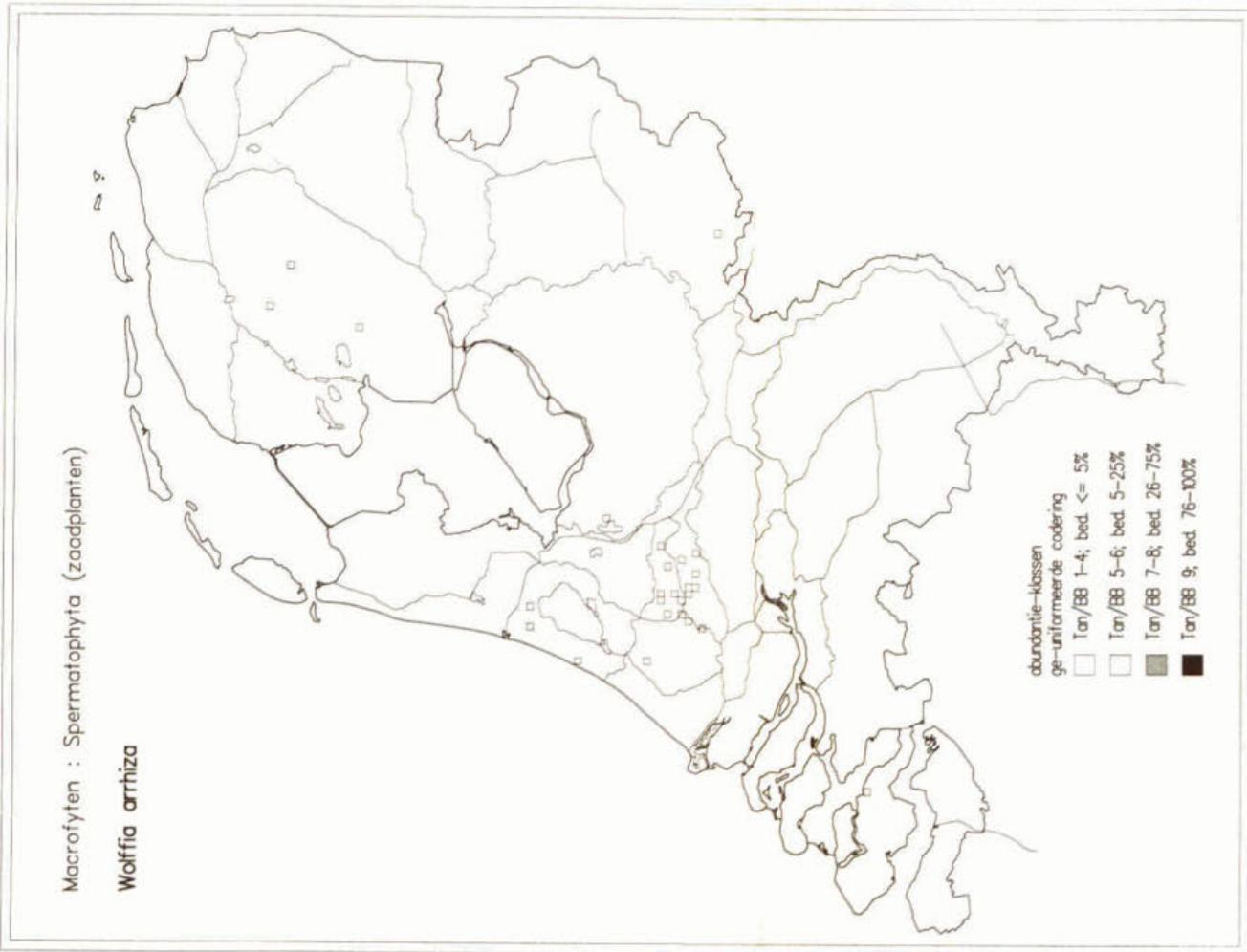
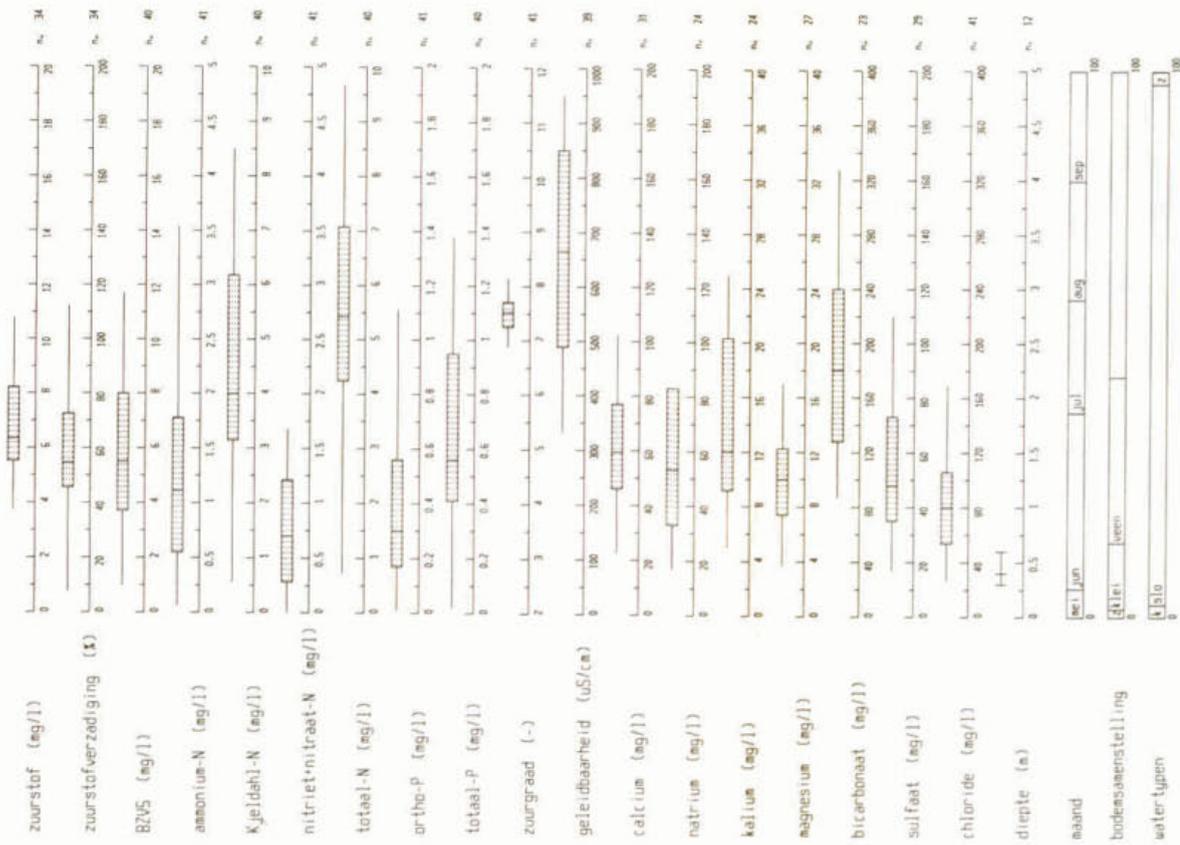
Eco-atlas van waterorganismen

Veronica catenata



maand	aug	sep			
diepte (m)	1	2	3	4	5
bodemsamenstelling	veen ?				
watertypen	1	2	3	4	5

Wolffia arrhiza



Wolffia arrhiza

vangsten : 42  
localities : 30  
hokken : 26



## Zannichellia palustris



Eco-atlas van waterorganismen

vangsten : 53  
locaties : 40  
hakken : 35

watertypen □ sloten □ meren  
□ stromende wateren □ zand-, grind- en kleigaten  
□ kanden

## Zannichellia palustris

