# Biomonitoring van levensgemeenschappen op sublitorale harde substraten in Grevelingenmeer, Oosterschelde, Veerse Meer en Westerschelde

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# Voorwoord

Door Rijkswaterstaat is in 1989 het onderzoeksprogramma BIOMON gestart. Onderdeel daarvan is de biologische monitoring van onderwaterlevensgemeenschappen op oeververdedigingen in de Deltawateren.

In opdracht van het Rijksinstituut voor Kust en Zee/RIKZ is door Bureau Waardenburg in 1997 - evenals in 1989 t/m '91 en '93 t/m '96 - een inventarisatie uitgevoerd van de levensgemeenschappen op sublitorale harde substraten in het Grevelingenmeer (twee locaties), de Oosterschelde (vijf locaties), het Veerse Meer (twee locaties) en de Westerschelde (twee locaties). Het onderzoek bestond uit het uitvoeren van transectanalyses. In dit rapport worden de gegevens uit 1997 gepresenteerd. Deze worden vergeleken met de resultaten van voorgaande jaren.

Het onderwateronderzoek werd uitgevoerd door H. W. Waardenburg en de auteur.

# 1 Inleiding

Het onderzoeksprogramma BIOMON heeft tot doel gedurende een reeks van jaren biologische informatie te verzamelen van een aantal vaste locaties zodat eventuele veranderingen in de loop der tijd gesignaleerd worden. Zo mogelijk worden zij gerelateerd aan veranderingen in milieu-omstandigheden.

De dijken van het Deltagebied bieden een breed spectrum aan habitatkarakteristieken. Er zijn verschillen in watertype, zoals zoutgehalte en doorzicht, (getijden)stromen en substraattype. Dit milieu wordt dan ook door veel soorten bevolkt, zowel autotrofe als heterotrofe organismen. Bij de algen betreft het zowel groen-, bruin- als roodwieren en bij de diersoorten gat het om vertegenwoordigers uit vele fyla: sponzen, holtedieren, polychaeten, weekdieren, kreeftachtigen, mosdiertjes, manteldieren en vissen. Zowel de macroalgen als een groot deel van de ongewervelde diersoorten lijden een vastzittend bestaan. Onderzoek aan deze sessiele soorten heeft als voordeel boven onderzoek aan mobiele soorten dat zij als indicator voor milieuomstandigheden ter plaatste kunnen worden gebruikt.

Sinds 1977 is door Bureau Waardenburg onderzoek uitgevoerd in de Deltawateren in zuidwest Nederland. De verschillende onderzoekingen vonden plaats in het kader van de Rijkswaterstaat projecten zoals HARDSUB, AFWERK en EOS. De resultaten die in het kader van het project BIOMON zijn verkregen in de opnamejaren 1989, '90, '91 en '93, tot en met '96 zijn vermeld in Van Moorsel (1997).

De ontwikkelingen in de onderwaterlevensgemeenschappen in het Grevelingenmeer zijn relatief goed onderzocht. Voor de gevolgen van de afsluiting van de Grevelingen op het transect bij Dreischor in de periode 1971-'81 zie Waardenburg (1982). Resultaten over de periode 1979-'88 staan in Waardenburg *et al.* (1990). In 1994 heeft op 16 transecten in het Grevelingenmeer een onderzoek plaatsgevonden waarbij o.a. de aangroei van (voor)oeververdedigingen werd opgenomen (Van Moorsel & Begeman 1995). Een overzicht van de ontwikkelingen op hard substraat in het Grevelingenmeer over de periode 1979 tot en met 1995 staat in Van Moorsel (1996a).

De ontwikkelingen in de onderwaterlevensgemeenschappen in de Oosterschelde zijn eveneens goed onderzocht. Alle hier behandelde Oosterscheldelocaties zijn door Bureau Waardenburg van 1979 tot en met 1988 in het algemeen 3 x per jaar bezocht (Waardenburg 1988) en sinds 1989 tenminste éénmaal per jaar (behalve in 1992). In het kader van een evaluatie van Oosterscheldegegevens is een overzichtsrapport verschenen over de periode 1989-1995 (Van Moorsel 1996b). Waardenburg (1990) stelde voor onderwaterlevensgemeenschappen van het harde substraat in de Oosterschelde een typologie op.

Vergeleken met het Grevelingenmeer en de Oosterschelde is van het Veerse Meer en de Westerschelde weinig bekend over de sublitorale levensgemeenschappen op het harde

substraat. Behalve in het kader van BIOMON is in 1984 in de Westerschelde een beperkt onderzoek uitgevoerd (Waardenburg *et al.* 1984).

In 1997 werd elke locatie wederom eenmalig bezocht, waarbij langs een transect onderwateropnamen werden gemaakt. Dit hield in dat van alle waargenomen soorten de bedekking in de verschillende zones werd genoteerd.

# 2 Karakterisering onderzoekslocaties

De geografische ligging van de onderzoekslocaties is weergegeven in Fig. 1. Profielen van de verschillende onderzoeksraaien staan in Fig. 2. In getijdenwateren worden dieptes opgegeven ten opzichte van de gemiddelde laagwaterlijn (G.L.W.).

In Tabel 1 staan de opnamedata. Opnamen werden in het najaar verricht (alleen voor Wemeldinge worden in 1989 gegevens van 7 augustus vermeld). Dit heeft als voordeel dat op dat moment eventueel ontwikkelde grote thalli van het Japans Bessenwier (*Sargassum muticum*) zijn losgelaten. Hierdoor is het mogelijk is om in de bovenste wierzone een goede opnamen van de overige flora en fauna te maken.

Tabel 1. Opnamedata BIOMON locaties 1997

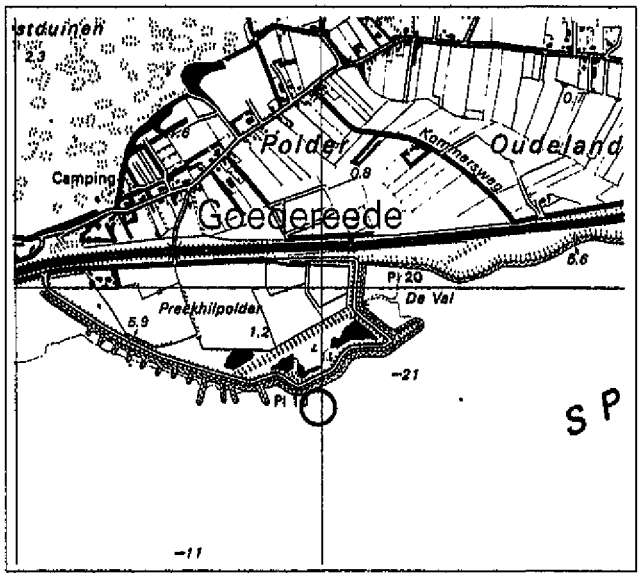
| Watersysteem | locatie | opnamedatum |
|---|---|---|
| Grevelingenmeer | Preekhilpolder | 6-10-97 |
| | Dreischor | 6-10-97 |
| Oosterschelde | Zijpe | 30-09-97 |
| | Schelphoek | 30-09-97 |
| | Zuidbout | 24-09-97 |
| | Gorishoek | 24-09-97 |
| | Wemeldinge | 7-10-97 |
| Veerse Meer | Vrouwenpolder | 27-10-97 |
| | Jonkvrouw-Annapolder | 7-10-97 |
| Westerschelde | Ritthem | 27-10-97 |
| | Kruiningen | 27-10-97 |

## 2.1 Grevelingenmeer

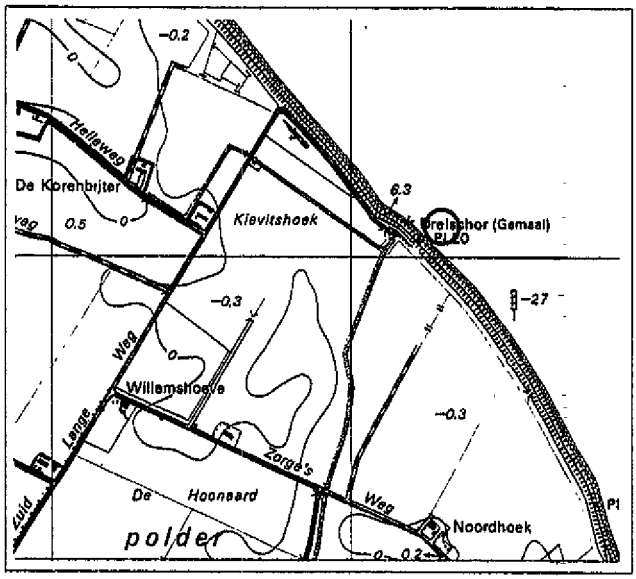
### 2.1.1 Preekhilpolder (Ouddorp)

Langs de noordoever van het Grevelingenmeer is er, afgezien van de sinds de afsluiting in 1971 gestorte grinddammen, relatief weinig ouder hard substraat aanwezig. Het komt vrijwel nergens dieper dan 6 m diepte voor. Waar het transect is gelegd (Fig. 1.1) is dit ook niet het geval. Het harde substraat bestaat uit grote stukken natuursteen en is ter plaatse in een soort waaler voor de dijkvoet gestort. Daar waar hard substraat is toegepast, is de bodembedekking ervan ~80 %. De stenen hebben een gemiddelde diameter van ~60 cm.

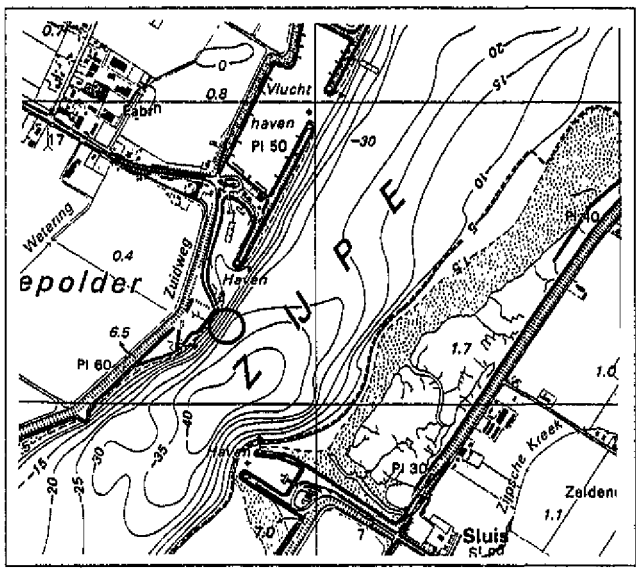
Door de expositie op het zuidwesten en de relatief lange strijklengte over vrij water voor het transect wordt dit deel van de oever sterk door golfslag beïnvloed. Hoewel de aanwezigheid van hard substraat op ongeveer 6 m ophoudt loopt de geulhelling tot grotere diepte door.



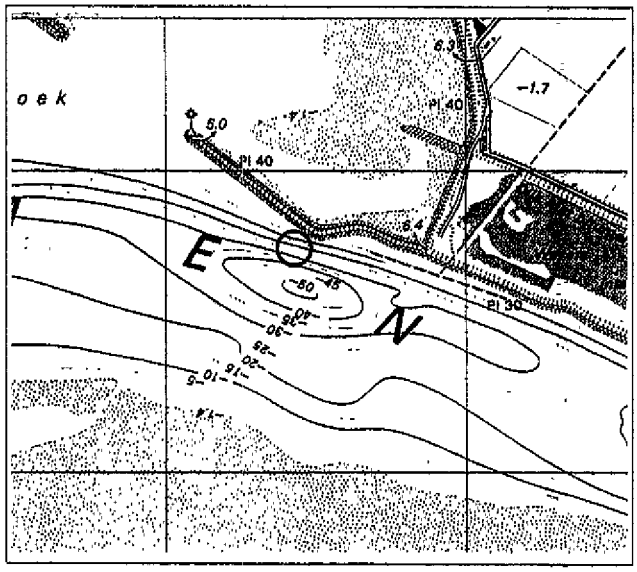

1. Preekhilpolder



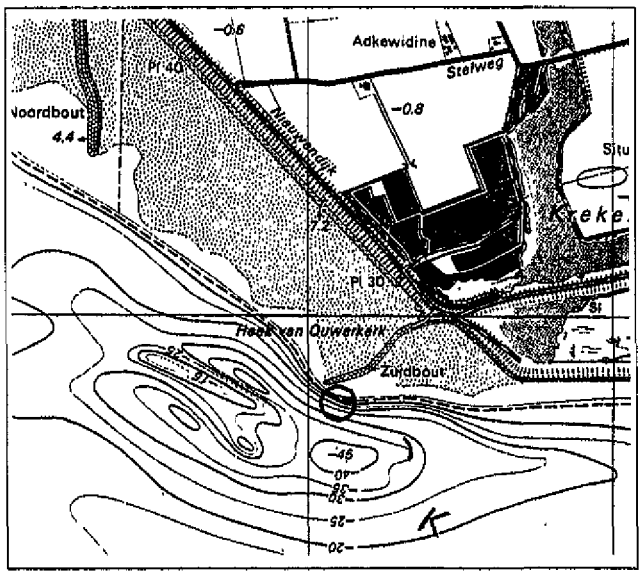

2. Dreischor



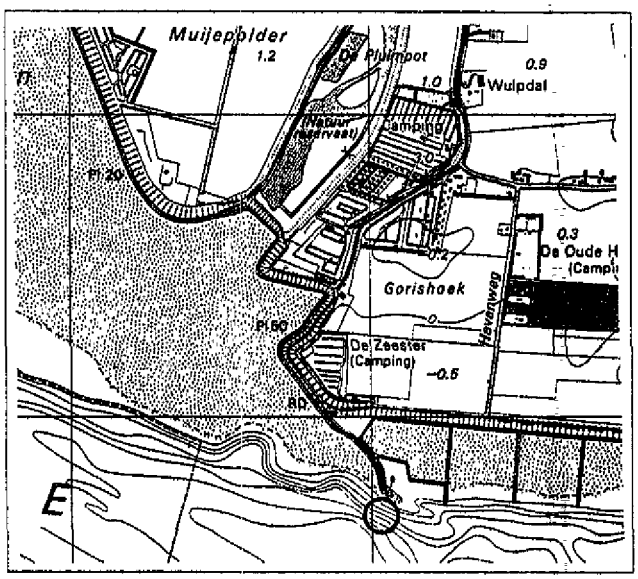

3. Zijpe




4. Schelphoek

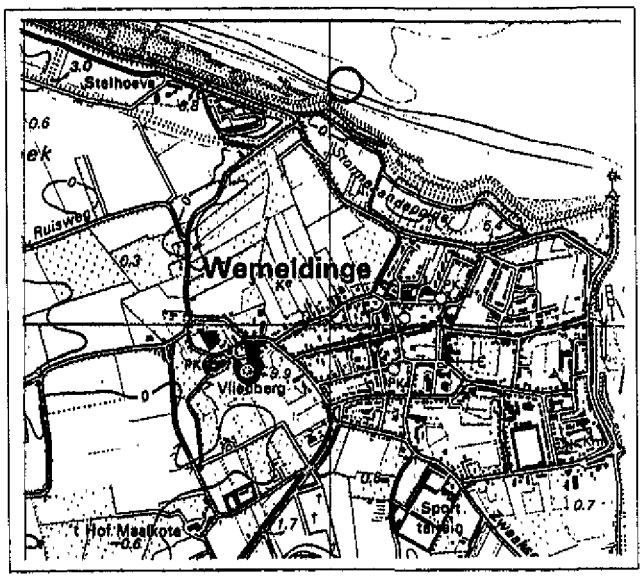



5. Zuidbout

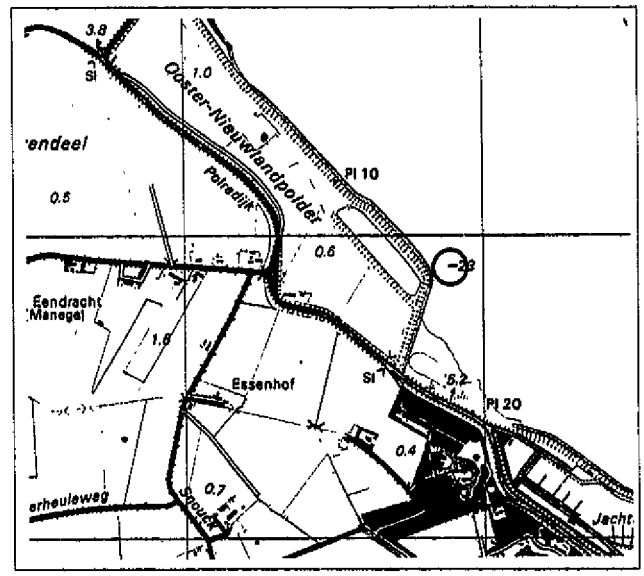



6. Gorishoek

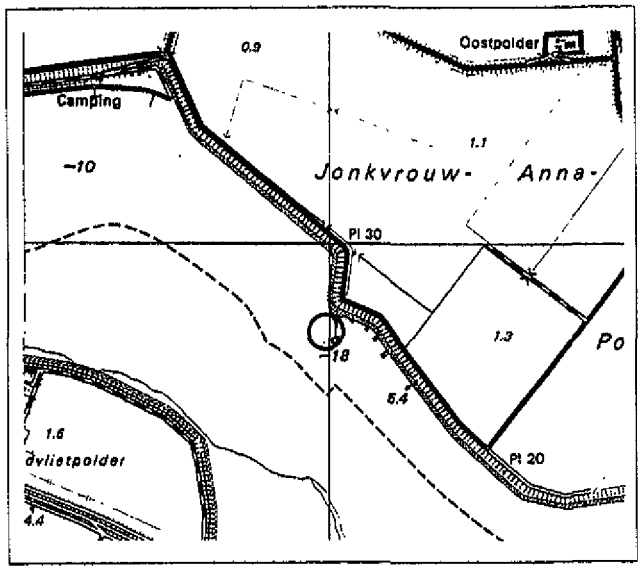
Figuur 1. Geografische ligging van de onderzoekslocaties



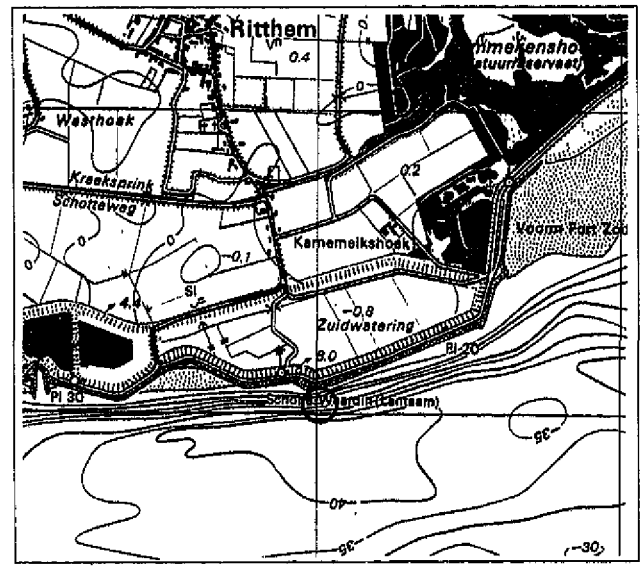

7. Wemeldinge



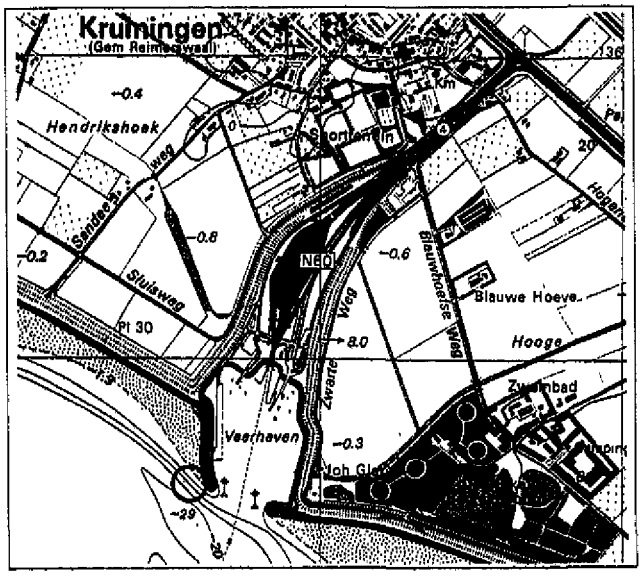

8. Vrouwenpolder



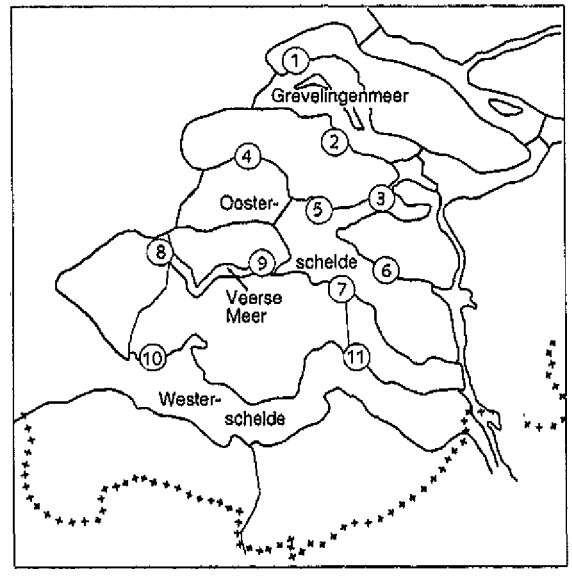

9. Jonkvrouw-Annapolder

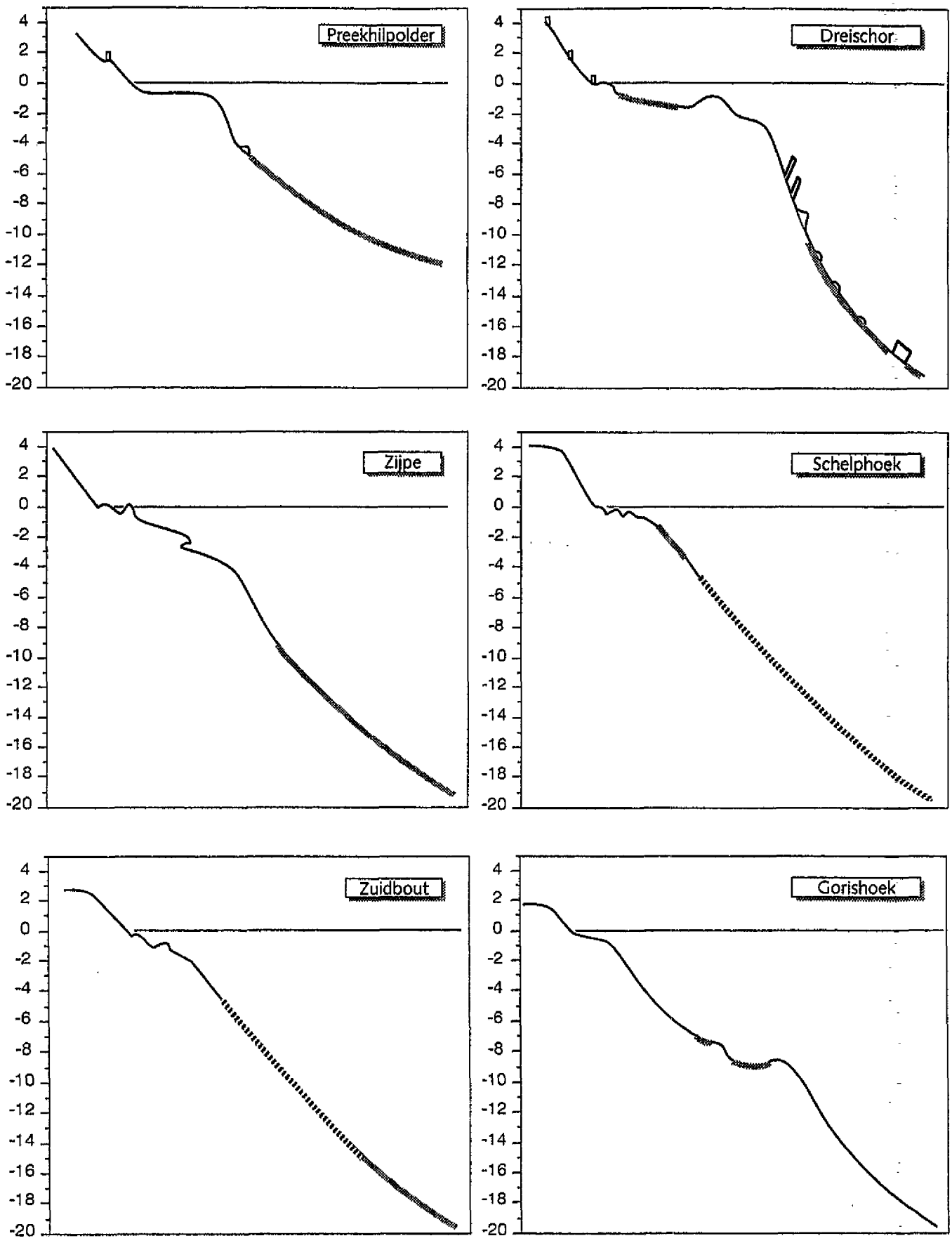



10. Ritthem

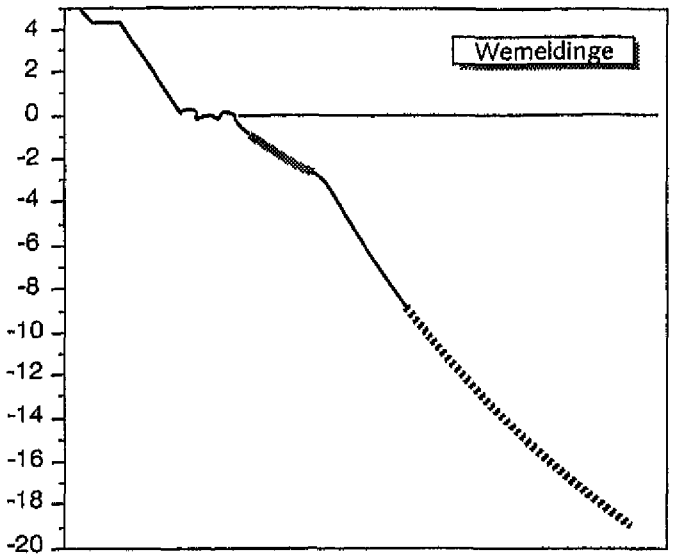



11. Kruiningen





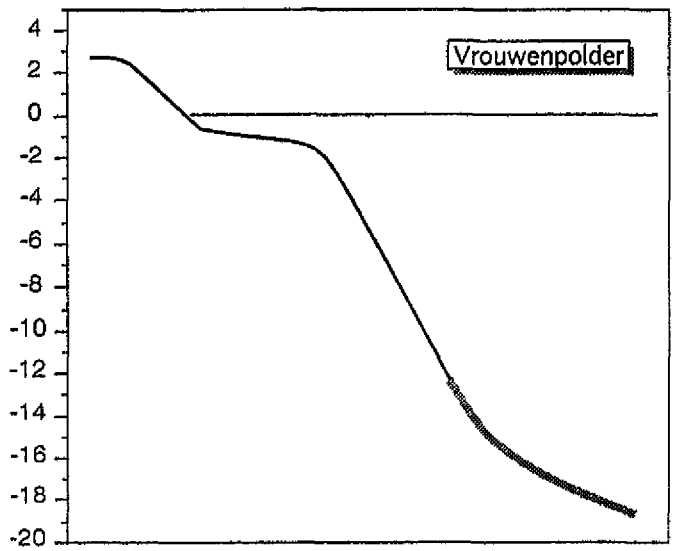

Figuur 2. Onderzoeksraaien BIOMON *en profile*, diepte in m onder laagwater, situatie anno 1995

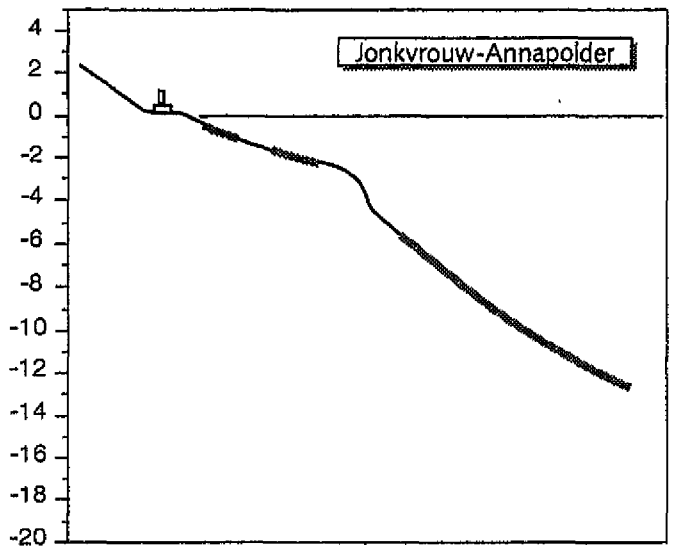


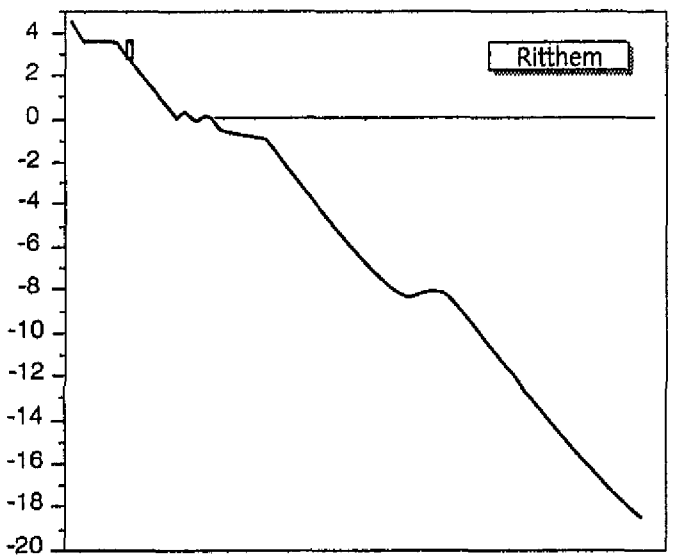

Laagwaterlijn

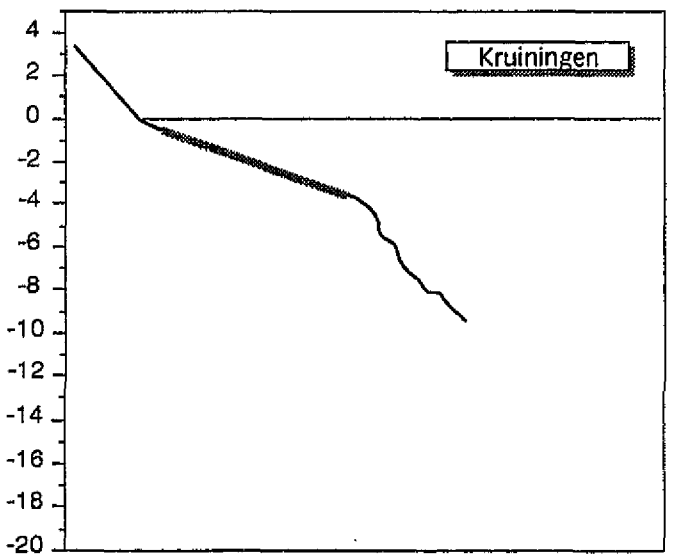
Substraat > 50% *Crassostrea gigas*

Substraat > 50% zand/slib



### 2.1.2 Dreischor

Dit transect ligt een tiental meters oostelijk van het gemaal van Dreischor (Fig. 1.2). De Grevelingengeul komt tot op 25 m vanaf de dijkvoet. Tussen de dijkvoet en de geulrand bestaat de bodem uit zand. De geulrand zelf is bestort met basaltblokken. Deze hebben een diameter van ~70 cm. Daaronder is de helling bestort met hoofdzakelijk kalksteen. Daartussen bevindt zich tot ~6 m diepte fijn zand en zo hier en daar wat veen. Op grotere diepte is een duidelijke sedimentatie opgetreden, die is ingezet na de afsluiting van de Grevelingen in 1971. Vanaf 6 m steekt er naar beneden toe steeds minder hard substraat door de zachte bodem. Vanaf ~14 m zijn enkel nog de hoogste delen zichtbaar van twee grote betonnen elementen (z.g. opzetmuurtjes) die hier zijn gedumpt. De sliklaag die zich sinds de afsluiting kon vormen op de geulbodem (20 m) was in 1993 > 90 cm dik.

## 2.2 Oosterschelde

### 2.2.1 Zijpe

Deze locatie ligt direct ten zuiden van de voormalige veerhaven, ter hoogte van de daar aanwezige radarpost (Fig. 1.1). Op ongeveer 2 m onder de laagwaterlijn bevindt zich een veenbank van ~40 cm dikte. De helling loopt als gevolg daarvan eerst wat minder steil tot ongeveer 4 m uit de teen van de dijk. Daaronder verloopt de helling over een hoek van ~45° af tot meer dan 30 m diepte. Tot ~10 m diepte bestaat de helling voor ~ 60% uit stenen die boven het zachte substraat uitsteken. Tussen deze stenen ligt fijn, wat slikkig zand. Daaronder neemt de hoeveelheid hard substraat die nog boven het zachte substraat uitsteekt af. Anno 1995 is er vanaf ~18 m diepte geen hard substraat meer te zien. Dit is het gevolg van het gereedkomen van de Philipsdam in 1987, waardoor de stroming in het Zijpe drastisch is afgenomen. Sindsdien is er sprake van sedimentatie van fijn slib, met name vanaf ~10 m diepte.

Er kan bij Zijpe een scheiding in waterlagen aanwezig zijn, waarbij brakker en troebeler water in een ~3 m dikke laag over een helderder zoute onderlaag stroomt. De zoetwaterbelasting bij Zijpe vanuit het Krammer-Volkerak is sinds 1987 door de aanleg van de Philipsdam sterk gereduceerd.

### 2.2.2 Schelphoek

Deze locatie is gelegen voor de oude Oosterscheldedijk iets ten oosten van de doorbraak in 1953. Ter plaatse is er onder water een steenbestorting aangebracht die een onderwaterdam vormt loodrecht op de richting van de dijk. De opnamelocatie ligt aan de westkant van deze "dam" (Fig. 1.2). De helling is bestort met natuursteen en in mindere mate met puin in de vorm van oude bakstenen. Tussen de het zichtbare deel van de stenen ligt zacht substraat in de vorm van slikkig zand. De bedekking door hard substraat bedraagt ~60 %. Er is op het transect sprake van een grote variatie in bodemgesteldheid.

Nabij de knik in de dijk is er van 2 tot 8 m diepte een kale gruishelling. Iets meer naar het westen bestaat de helling uit stenen. Tijdens de opname in 1994 stond er een stroming die naar beneden was gericht.

### 2.2.3 Zuidbout

Dit betreft een strekdam ter hoogte van de plaats Ouwerkerk. Het opnametransect ligt in zuidoostelijke richting aan het eind van de strekdam (Fig. 1.3). Ter plaatse is de helling bestort met grote brokken natuursteen en pleksgewijs met zeer grote stukken puin. De helling verloopt onder een hoek van ~45° en is voor ongeveer 70 % bedekt door hard substraat. Het zachte substraat rondom de stenen bestaat uit slikkig zand.

### 2.2.4 Gorishoek

Het transect is gelegen aan het eind van de strekdam bij Gorishoek (Fig. 1.4). De dam is 200 m lang en loopt ook beneden de laagwaterlijn nog een eind door. De met stenen bestorte helling loopt door tot meer dan 30 m diepte. Het substraat bestaat uit vrij grote stenen met een doorsnee van ~50 cm. In de wierzone van het sublitoraal bedekken deze ongeveer 70% van de bodem met daartussen fijn tot slikkig-fijn zand. Het oppervlak aan hard substraat wisselde in de loop van het onderzoek. Dit als gevolg van het "wandelen" van slik- en zandribbels. Onder de wierzone varieert de hoeveelheid direct aan het water blootgesteld hard substraat van 10 tot 50%. De hellingshoek is ongeveer 25°.

### 2.2.5 Wemeldinge

Dit transect ligt loodrecht op de dijkrichting ten westen van Wemeldinge (Fig. 1.5). De dijk vertoont hier een knik. De stroomgeul die evenwijdig aan de dijkvoet verloopt volgt deze knik niet, waardoor westelijk daarvan een slikbank aanwezig is. De afstand van de dijkvoet tot de eigenlijke stroomgeul is ~20 m. Vanaf de rand van de stroomgeul (~3,5 m) loopt de helling onder een hoek van ongeveer 30° af. De gestorte natuurstenen hebben een doorsnee van ~20 tot 40 cm en bedekken ongeveer 60% van de bodem. Tussen het harde substraat bevindt zich tot ~4 m diepte fijn zand. Daaronder meer slikkig fijn zand. De expositie is zodanig dat er sprake kan zijn van een behoorlijke golfinvloed rond de waterlijn.

## 2.3 Veerse Meer

### 2.3.1 Vrouwenpolder

De dijk langs het Veerse Meer verloopt tussen Vrouwenpolder en Veere in zuidoostelijke richting (Fig. 1.8). Daar waar deze dijk een knik maakt ligt de opnamelocatie. De voormalige stroomgeul die voor dijk langsloopt is ter plekke ~23 m diep. De helling loopt aanvankelijk niet al te steil af en er ligt tot ~3,5 m onder de waterlijn weinig hard substraat. Daaronder loopt de helling onder 45° af. Deze is daar versterkt door met stenen

bestorte zinkstukken. Op veel plaatsen steken meer of minder vergane wilgentenen uit de bodem. Het harde substraat bestaat uit brokken natuursteen die vanaf ~3,5 m tot ~23 m ongeveer 50 % van de bodem bedekken. Bovenin is de helling zandig en naar beneden toe wordt deze steeds slikkiger. De kleur van het zachte substraat verandert naar beneden toe van licht naar zeer donker.

### 2.3.2 Jonkvrouw-Annapolder

De Jonkvrouw-Annapolder aan de noordoever van het Veerse Meer wordt begrensd door een dijk die van noordwest naar zuidoost loopt. Ongeveer halverwege ligt hiervoor een korte, tamelijk brede krib met daarop een groen licht. De opnamelocatie bevindt zich precies voor deze krib (Fig. 1.9). Tot ~1 m onder de waterlijn is de krib beschermd door een 'bestrating' met klinkers. Daaronder liggen verspreid enkele brokken natuursteen. Vanaf ~3,5 tot ~6 m ligt er meer hard substraat in de vorm van natuursteen. Daaronder neemt de hoeveelheid hard substraat weer drastisch af. Tussen het harde substraat bevindt zich tot ~3 m fijn zand. Daaronder wordt dit meer slikkig. Dit slik wordt naar beneden toe steeds donkerder van kleur. De locatie bevindt zich op 1,5 km van de Zandkreeksluis.

## 2.4 Westerschelde

### 2.4.1 Ritthem

Het betreft de zeedijk ten zuiden van Ritthem tussen Vlissingen en de Sloehavens, 100 m ten oosten van de lantaarn "Schone Waardin"(Fig. 1.10). De glooiing bestaat vanaf de laagwaterlijn uit grote brokken natuursteen. De stroomgeulhelling loopt ter plaatse onder een scherpe hoek af. Op ~9 m diepte bevindt zich een kort plateau. Het onderwaterzicht kan op deze locatie zeer gering zijn.

### 2.4.2 Kruiningen

Dit transect ligt voor de westelijke havendam (Fig. 1.11). Vanaf de laagwaterlijn bestaat de helling uit middelgrote natuursteen. Door het ontbreken van enig zicht onder water kan er weinig worden gezegd over de opbouw en structuur van de helling.

# 3 Materiaal en methoden

## 3.1 Opname methodiek

*Braun-Blanquet opnamen.* De toegepaste methode is de volgende: de waarnemer begeeft zich naar het diepste punt (meestal ~15 m) en zwemt daarna langzaam naar boven langs het transect. Voor zover de omstandigheden (diepte) dit toelaten wordt in een zevental zones (ondergrens: 15, 9, 7, 5, 3, 2 en 1 m) met een op het oog zoveel mogelijk homogene verspreiding van soorten een opname van 50 x 50 cm gemaakt. Daarbij wordt de bedekking van de ondergrond voor iedere waargenomen soort geschat in percentageklassen. Daar waar het onderwaterzicht te slecht is om soorten voldoende te kunnen onderscheiden wordt substraat in de vorm van stenen en oesterschelpen verzameld om de opnamen boven water te maken. De codering van de klassen die hierbij werd gehanteerd (Tabel 2) is afgeleid van die van de schaal van Braun-Blanquet (1964).

Tabel 2. Betekenis gehanteerde code Braun-Blanquet (B-B) en TWINSPAN (TS)

| code BB | code TS | bedekkingspercentage % | aantal individuen per 1, 10 of 100 $m^2$* |
|---|---|---|---|
| r | 1 | < 0,05 | < 5 |
| + | 2 | 0,05 - 0,5 | 5 - 50 |
| 1 | 3 | 0,5 - 5 | 50 - 500 |
| 2 | 4 | 5 - 25 | willekeurig |
| 3 | 5 | 25 - 50 | willekeurig |
| 4 | 6 | 50 - 75 | willekeurig |
| 5 | 7 | 75 - 100 | willekeurig |
| ° | 3 | bedekking niet bepaald / niet te bepalen | aanwezig |
| °° | 3 | bedekking niet bepaald / niet te bepalen | relatief veel aanwezig |

* Indien mogelijk werd het bedekkingspercentage geschat, zo niet, dan kon de code ook worden bepaald aan de hand van het aantal individuen:

| | | | |
|---|---|---|---|
| bij een ind. opp. van | 1 $cm^2$ | (*e.g.* Fuikhoorn) | per $m^2$ |
| | 10 $cm^2$ | (*e.g.* Strandkrab) | per 10 $m^2$ |
| | 100 $cm^2$ | (*e.g.* Oester adult) | per 100 $m^2$ |

*Aantallen.* Voor sommige - veelal grote - organismen zijn aantallen per $m^2$ geteld. In de opnametabellen zijn deze omgezet naar bedekkingen volgens Braun-Blanquet zoals aangegeven in Tabel 2.

*Aanwezigheid.* Alle op het transect waargenomen soorten zijn genoteerd. Het voorkomen van de Boorspons (*Cliona celata*), het Muiltje (*Crepidula fornicata*) en aasgarnaal (*Praunus flexuosus*) werd alleen met aanwezig ('o') aangeduid.

*Kleine en cryptische soorten.* Ook zijn monsters genomen om de kleinere en voor de duikers onder water moeilijk zichtbare soorten te kunnen determineren met behulp van een (stereo-) microscoop.

Voor een aantal soorten kan de aanwezigheid in onvoldoende mate van zekerheid worden vastgesteld. Dit betreft soorten die door hun afmetingen of cryptische levenswijze onder water veelal slechts bij toeval worden opgemerkt. De spons *Prosuberites epiphytum* is duidelijk zichtbaar zo gauw de korstvormende habitus enige dikte bereikt. Indien slechts sprake is van een dunne laag op stenen wordt zij waarschijnlijk onderschat. Een aantal soorten zoals Gammaridea en polychaeten zoals zeerupsen (Polynoidae) worden geregeld in verzameld materiaal aangetroffen maar er is dan geen indicatie van dichtheid of verticale verspreiding. Tenslotte zijn er een aantal gevallen waarin de aanwezigheid of dichtheid niet altijd consequent is genoteerd (bijvoorbeel Diatomeeën). Om misverstanden te voorkomen is besloten is om de aanwezigheid van deze organismen in de opnametabellen aan te geven d.m.v. een "x" en bovendien alleen per transect.

*Afkortingen.* Bij de gebruikte afkortingen is in het algemeen uitgegaan van de eerste vier letters van de genusnaam gevolgd door de eerste vier letters van de soortsnaam. In gevallen waarin verschillende genera op deze wijze dezelfde genusafkorting zouden krijgen werd een van de genera anders afgekort (bijvoorbeeld: *Haliclona* werd afgekort tot "*Hall*" om te voorkomen dat verwarring ontstaat met *Halichondria* ("*Hali*") ).

## 3.2 Bewerkingen van de datasets

*Histogrammen.* Voor enkele organismen wordt aan de hand van histogrammen de ontwikkeling sinds 1979 aangegeven. De daarvoor geselecteerde soorten zijn gekozen op grond van hun sterke reactie op de afsluiting van de Grevelingen in 1972 (Waardenburg *et al.* 1990).

*TWINSPAN.* Om de opnamen uit 1997 te vergelijken met eerdere opnamen van dezelfde locaties zijn de gegevens bewerkt middels TWINSPAN (Two-Way INidicator SPecies ANalysis" (Hill 1979). Dit is een indirecte ordinatietechniek van biologische gegevens waarbij milieuvariabelen buiten beschouwing worden gelaten. TWINSPAN bepaalt voor een reeks van opnamen de belangrijkste gradiënt door middel van "reciprocal averaging" en splitst vervolgens de groep in tweeën. Soorten die indicatief zijn voor deze clusters worden "indicator species" genoemd. Elk van de volgende groepen wordt dan weer opgesplitst volgens dezelfde methode. TWINSPAN is een divisieve techniek (*top down* benadering) waarbij de clusters worden onderscheiden vanuit het overzicht van alle opnamen.

De TWINSPANanalyses zijn verricht op gegevens zoals vermeld in de opnametabellen. Een vijftal soortgroepen werd daarbij samengevoegd tot geslachtsniveau omdat hun aanwezigheid niet altijd tot op de soort kon worden bepaald. Om welke soorten het gaat wordt aangegeven in de soortenlijst (Bijlage 2). In het Veerse Meer werden bovendien de opnamen van de Broodspons (*Halichondria panicea*) en Sliertige broodspons (*H. bower-*

*banki*) samengevoegd. Onder brakke omstandigheden kunnen deze soorten namelijk dezelfde groeivorm ontwikkelen (Vethaak *et al.* 1982)[1]. De cryptische e.a. soorten die in Tabel 3 d.m.v. "x" werden aangeduid werden bij de TWINSPANanalyses buiten beschouwing gelaten. Voorts de soorten die als typische zandbodembewoners kunnen worden gekarakteriseerd zoals de Schelpkokerworm (*Lanice conchilega*) en de Bot (*Pleuronectes flesus*) alsmede vrijzwemmende vissen zonder specifieke relatie tot hard substraat zoals de Koornaarvis (*Atherina presbyter*). Deze soorten worden overigens ook niet betrokken in de berekening van het totale aantal soorten per opname. Soorten die slechts een- of tweemaal voorkwamen in de met TWINSPAN te bewerken matrices werden ook buiten beschouwing gelaten.

Voor de TWINSPANbewerkingen werden de Braun-Blanquet codes omgezet naar een zevental TWINSPANcodes (Tabel 2). Soorten die waren gescoord als aanwezig (Braun-Blanquet "0") werden omgezet naar Braun-Blanquet code 1 zodat ze bij de TWINSPAN-analyse beschouwd werden als code 3. Om te zorgen dat TWINSPAN onderscheid zou maken tussen alle zeven TWINSPANcodes werden de drempelwaarden (pseudospecies *cut levels*) gedefinieerd op 0,5; 1,5; 2,5; 3,5; 4,5; 5,5 en 6,5. Als minimale groepsgrootte werd 2 aangehouden, het aantal delingen bedroeg maximaal 6 en het maximale aantal indicatorsoorten bedroeg 10. Voorts zijn bij de bewerkingen standaardinstellingen gebruikt.

Het gemaakte onderscheid bij de TWINSPANcodes vormt een middenweg tussen enerzijds een onderscheid tussen slechts aan- of afwezigheid en anderzijds een systeem waarbij er een lineair verband is tussen bedekking en TWINSPANcode. In het laatste geval zullen soorten met een bedekkingsscore r of + nauwelijks van invloed zijn.

Per watersysteem werd één TWINSPANanalyse uitgevoerd. Daarbij werden de gegevens geselecteerd uit de de zone tussen 1 en 2 m en tussen de 5 en 7 m diepte. De eerste zone ligt veelal midden in de wierzone (de infralitorale zone). De tweede zone kan representatief worden geacht voor opnamen op grotere diepten (elitorale of circalitorale zone) waar dierlijke levensvormen domineren. Onder ~5 m t.o.v. GLW veranderen de soortensamenstelling en de bedekkingspercentages in het algemeen maar weinig meer.

De TWINSPANbewerking voor het Gevelingenmeer maakt voor de locatie Dreischor gebruik van de opnamen tussen 1 en 2 m diepte en die tussen 7 en 9 m. De zone waarin wiergroei voorkomt kan ter plekke doorgaan tot ~7 m diepte. Anders dan in de Oosterschelde veranderen daar over de verticaal de parameters als temperatuur en zuurstofgehalte wel. Voor de locatie Preekhilpolder zijn - naast de opnamen uit zone van 1 tot 2 m onder de waterlijn - de opnamen uit de zone van 3 tot 5 m gebruikt, omdat er onder de 5 m vrijwel geen hard substraat aanwezig was. Voor Preekhilpolder liggen alle opnamen dus in de wierzone.

De TWINSPANbewerking voor de vijf Oosterscheldelocaties leverde een vrij omvangrijke en daarom minder makkelijk te interpreteren matrix op. Daarom werd voor de afzondelijke dieptezones nog een additionele bewerking uitgevoerd.

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[1] Op basis van voortplanting (eieren in oktober), weefselopbouw (dunne epidermis) en milieuvoorkeur (stilstaand water met sedimentatie van fijn materiaal) handelt het waarschijnlijk om de Sliertige broodspons (*Halichondria bowerbanki*).

Voor de TWINSPANbewerking van de Westerscheldelocaties zijn voor wat betreft Kruiningen alleen gegevens uit de zone tussen 1 en 2 m gebruikt. Deze zone is representatief voor de zone onder de wiergrens.

# 4 Resultaten en discussie

In de Tabellen 3.1-3.11 staan op taxonomische volgorde de opnameresultaten van 1989 tot en met 1997. De TWINSPANbewerkingen staan in de Tabellen 4.1-4.4. Zowel in Tabel 3 als 4 worden de namen van wieren en andere fototrofe organismen met een grijze achtergrond aangeduid. In Tabel 5 kan voor een aantal soorten met opvallende temporele variatie aan de hand van de maximale bedekkingswaarden een vergelijking worden gemaakt tussen de locaties in de Oosterschelde en in het Grevelingenmeer. Tabel 6 geeft een overzicht van de gemiddelde soortenrijkdom op de Oosterschelde-locaties.

Voor drie Oosterscheldelocaties worden histogrammen gepresenteerd (Fig. 3a-3c) met daarin de ontwikkelingen voor een aantal soorten, waarvan op grond van hun ontwikkeling in het Grevelingenmeer sinds 1970, de literatuur en waarnemingen elders, verwacht kon worden dat zij zouden reageren op veranderingen in stromingsomstandigheden.

Tenslotte als bijlagen een alfabetische lijst met de verklaring van de afkorting van soorten en een taxonomische lijst met een legenda voor de selectie van soorten voor de TWINSPANbewerkingen.

## 4.1 Grevelingenmeer

### 4.1.1 Preekhilpolder

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.1. Voor een nadere beschouwing van de ontwikkeling van de levensgemeenschap op deze locatie in de periode 1979-1995 zie Van Moorsel (1996).

Een opvallend aspect van de locatie Preekhilpolder blijft de aanwezigheid van de Gezaagde zee-eik (*Fucus serratus*). Ondanks de afsluiting van de Grevelingen in 1971 en het verschijnen van het Japans bessenwier (*Sargassum muticum*) heeft *F. serratus* zich hier net onder de waterlijn kunnen handhaven. Dit komt waarschijnlijk omdat deze locatie relatief sterk geëxponeerd is, waardoor er een getijde-achtig milieu aanwezig is gebleven.

Wieren. De grootste verandering in de afgelopen jaren wordt gevonden bij de wieren. Met name een aantal groenwieren vertoont sterke fluctuaties, zoals het Vederwier (*Bryopsis* sp.), *Cladophora* sp., Viltwier (*Codium fragile*) en Zeesla (*Ulva* sp.). Na relatief lage waarden in 1995 en 1996 bereikte deze soorten in 1997 weer een hoge bedekking. Andere wieren met een hoge bedekking in 1997, vooral tussen 0 en 1 m, waren het Japans Bessenwier (*Sargassum muticum*) en Paars buiswier (*Polysiphonia harveyi*).

In 1996 werd voor het eerst een nieuw *Dasya*-achtig roodwier gesignaleerd. De bedekking van deze *Dasysiphonia*[2] nam in 1997 bij Preekhilpolder sterk toe, met name in de zone tussen 2 en 3 m diepte.

Opvallend was voorts dat sinds 1991 voor het eerst een vertegenwoordiger van de genera *Antithamnion* en *Antithamnionella* ontbrak.

Diersoorten. Sponzen en zeeanemonen vertonen geen opvallende veranderingen in de loop van de periode 89-97.

In 1995 verscheen bij Preekhilpolder de eerste Japanse oester (*Crassostrea gigas*), gevolgd door een verdere uitbreiding in 1996. In 1997 werd deze oester alleen nog in de zone tussen 0 en 1 m diepte gesignaleerd, maar daar nam de bedekking nog wel verder toe. Ook de Platte oester (*Ostrea edulis*) gaat vooruit. Opvallend was het totaal ontbreken van de alikruik (*Littorina littorea*). Deze oevergebonden soort heeft wellicht te lijden gehad van de strenge winter van 1996/97.

Diersoorten die in sommige jaren sterk vertegenwoordigd kunnen zijn, met name op het diepere deel van het transect, zijn het mosdiertje *Bugula plumosa* en de solitaire zakpijpen *Ascidiella aspersa* en *Ciona intestinalis*. Voor 1997 gold dat voor de eerste twee soorten. De Doorzichtige zakpijp (*C. intestinalis*) was in 1997 aanmerkelijk minder dominant aanwezig dan in 1996.

Nieuwe soorten. In het kader van BIOMON was een aantal soorten nieuw voor Preekhilpolder, te weten: het euryhaliene mosdiertje *Conopeum seurati* en de Puitaal (*Zoarces viviparus*). Daarnaast de volgende cryptische soorten: de zeerups *Lepidonotus squamatus* en de amphipoden *Gammarus locusta*, *Microdeutopus gryllotalpa* en *Microdeutopus versiculatus*.

Diversiteit. In 1997 verschenen slechts zes soorten die niet in 1996 aanwezig waren. Daartegenover stond een verlies van 17 soorten. De diversiteit ligt dan ook beduidend lager dan in 1996, maar toch wel op een gemiddeld niveau.

### 4.1.2 Dreischor

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.2. Voor een nadere beschouwing van de ontwikkeling van de levensgemeenschap op deze locatie in de periode 1979-1995 zie Van Moorsel (1996).

Wieren. De ontwikkeling van een aantal wieren bij Dreischor is vergelijkbaar met Preekhilpolder, de andere locatie in het Grevelingenmeer. Ook hier opvallende fluctuaties bij Groenwieren, resulterend in een hoge bedekking in 1997 door zowel Vederwier

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[2] Deze soort werd in Van Moorsel (1997) voorlopig benoemd als *Dasya* cf. *hutchinsiae*. Ook Stegenga (1997) vermeldt de recente verschijning van deze soort in Zeeland en gaat in op de taxonomische problematiek ervan. In Stegenga *et al.* (1997) wordt dit roodwier "*Dasysiphonia spec.* indet." genoemd. In dit rapport wordt deze nomenclatuur gevolgd.

(*Bryopsis* sp.) als Viltwier (*Codium fragile*). Andere wieren met een hoge bedekking in 1997, vooral tussen 0 en 1 m, waren het Japans Bessenwier (*Sargassum muticum*), het roodwier *Ceramium diaphanum* en Paars buiswier (*Polysiphonia harveyi*).

De in 1996 voor het eerst gesignaleerde *Dasysiphonia* soort blijft ook bij Dreischor aanwezig, maar de bedekking is, in tegenstelling tot bij Preekhilpolder, afgenomen. *Lomentaria clavellosa*, een ander roodwier dat in 1996 voor het eerst in het Grevelingenmeer verscheen, handhaafde zich in 1997 bij Dreischor.

Diersoorten. Ook diersoorten vertonen hier een aantal paralellen met Preekhilpolder, zoals het lichte herstel van de Platte oester (*Ostrea edulis*) en toename van de Golfbrekeranemoon (*Diadumene cincta*). Een andere parallel met Preekhilpolder vormt de relatief sterke bedekking door de Doorzichtige zakpijp (*Ciona intestinalis*) in 1996 terwijl in 1997 een dergelijke rol is weggelegd voor de Ruwe Zakpijp (*Ascidiella aspersa*). Het is goed mogelijk dat dit te maken heeft met de strenge winter waarmee zowel 1996 als 1997 begon. (Op basis van zg. IJnsen getallen waren deze winters verreweg de strengste uit de BIOMON periode). Bij beide soorten zakpijpen lijkt de ontwikkeling bevorderd te worden door een lage wintertemperatuur (Van Moorsel 1996b).

Na een algemeen voorkomen gedurende de jaren 1993-1995 lijkt de Gewimperde zwemkrab (*Liocarcinus arcuatus*) in 1997 totaal te zijn verdwenen uit het Grevelingenmeer. Enkele alikruiken (*Littorina littorea*) weten zich bij Dreischor nog te handhaven. De Zeeanjelier (*Metridium senile*) is sinds 1993 niet meer waargenomen.

Nieuwe soorten. In het kader van BIOMON was een tweetal roodwieren nieuw voor Dreischor, te weten: *Callithamnion byssoides* en *Dasya baillouviana*. De laatste soort is sinds 1993 vooral karakteristiek voor het Veerse Meer en duidt dan ook op een brakwaterinvloed. Nieuwe, diersoorten voor Dreischor zijn het mosdiertje *Conopeum reticulum* en evenals bij Preekhilpolder, de Puitaal (*Zoarces viviparus*).

Diversiteit. In 1994 bereikte het aantal soorten zowel ondiep (tussen 0 en 2 m) als diep (tussen 7 en 22 m) een minimum. In 1995 vertoonde de diversiteit een duidelijk herstel. Het aantal soorten was vergelijkbaar met de periode 1989-'93 of zelfs iets hoger. Mogelijk ontstond door de sterfte in 1994 zoveel ruimte dat veel soorten daar een jaar later van konden profiteren voordat er sprake was van een sterke plaatsconcurrentie. In 1994 en 1995 was het zuurstofarme bodemoppervlak bij Dreischor veel groter dan in de jaren daarvoor. In 1994 werd bovendien de norm voor zuurstofloos bodemoppervlak overschreden (Wattel 1996). Dat kan verklaren waarom 1994 voor de macrofauna een extremer jaar was dan 1995.

In 1996 en 1997 is met name in de wierzone de diversiteit nog verder toegenomen. In alle zones tot 3 m diepte bereikte het aantal soorten een maximum voor de gehele BIOMONperiode.

### 4.1.3 TWINSPAN Grevelingenmeer

De TWINSPANanalyse (Tabel 4.1) maakt in eerste instantie onderscheid in een aantal ondiepe opnamen waarin wieren goed vertegenwoordigd zijn, tegenover een cluster met hoofdzakelijk diepe opnamen. Alhoewel wieren regelmatig aanwezig zijn in de diepere opnamen bij Preekhilpolder (5 m) clusteren vier opnamen van deze diepte toch bij de diepere opnamen van Dreischor (9 m). Indicatoren voor de ondiepe zone zijn de groenwieren *Ulva* en *Bryopsis* sp., alsmede het Japans Bessenwier (*Sargassum muticum*).

In de ondiepe cluster ontstaat vervolgens een combinatie van opnamen uit de beginjaren (1989 en 1990) en opnamen uit 1997 met als indicatorsoort de kolonievormende zakpijp *Botryllus schlosseri*. In de opnamegroep uit de tussenliggende periode 93-96 ontbreekt *B. schlosseri*.

In de diepe cluster worden de opnamen van 9 m bij Dreischor gesplitst van een vijftal opnamen waarin waarvan er drie uit 1991 (en daarvan twee van 2 m diepte) stammen. Deze opnamen danken hun speciale positie doordat nogal wat wieren zoals het Viltwier (*Codium fragile*) goed vertegenwoordigd zijn, terwijl Zeesla (*Ulva* sp.) juist ontbreekt.

De sterke clustering van opnamen van Preekhilpolder en Dreischor uit dezelfde jaren (1991, '94, '95, '96, '97) duidt op het voorkomen van overeenkomstige ontwikkelingen op deze ver van elkaar gelegen locaties in het Grevelingenmeer. Voorbeelden hiervan vormen het op beide locaties plotseling verschijnen en later eventueel weer verdwijnen van diverse soorten roodwieren zoals *Antithamnion(ella)* soorten en *Dasysiphonia* sp. alsmede de ontwikkeling bij *Botryllus schlosseri*.

## 4.2 Oosterschelde

### 4.2.1 Algemeen

Bij de vergelijking van locaties zijn er patronen te ontdekken die beter gepresenteerd kunnen worden in een integrale benadering dan wanneer ontwikkelingen alleen per locatie worden behandeld. Daarom worden eerst de algemene patronen geschetst. Bovendien wordt daarmee voorkomen onnodig in herhaling te vallen bij ontwikkelingen die zich op vrijwel alle Oosterscheldelocaties voordeden. Bij de besprekingen per locatie wordt vervolgens dieper ingegaan op de specifieke aspecten van die locatie.

In Tabel 5 kan voor een aantal soorten met opvallende temporele variatie aan de hand van de maximale bedekkingswaarden een vergelijking worden gemaakt tussen de locaties.

Groenwieren. *Bryopsis* en *Ulva* sp. vertonen op alle locaties sterke fluctuaties van jaar tot jaar. Er zijn enkele overeenkomsten tussen de locaties zoals een lage groenwierbedekking in de jaren '94 en '95 en een relatief hoge bedekking van *Ulva* in de jaren 1989-'93. In 1997 was er op alle locaties een grote bedekking met Vederwier (*Bryopsis*), een ontwikkeling die ook in het Gevelingenmeer te zien was.

Bruinwieren. In 1989 werd op diverse locaties een hoge bedekking van het Japans Bessenwier (*Sargassum muticum*) gevonden, met name bij Schelphoek, maar op andere locaties ontbrak de soort juist. In 1997 bereikte het bessenwier de hoogste bedekking bij Wemeldinge, een locatie waar dit wier altijd goed is vertegenwoordigd. Bij Wemeldinge en Gorishoek was Suikerwier (*Laminaria saccharina*) aanwezig in de beginperiode van BIOMON. Bij de Zuidbout en Schelphoek verscheen dit wier alleen in 1994. De laatste drie jaren is dit Bruinwier niet meer gesignaleerd.

Roodwieren. Deze vertonen in het algemeen meer overeenkomstige ontwikkelingen (Tabel 5).

*Dasysiphonia* sp. verscheen in 1996 afgezien van Zijpe op alle Oosterschelde- en Grevelingenmeerlocaties. In het Grevelingenmeer wist de soort zich te handhaven (§ 4.1), maar in de Oosterschelde leek de soort in 1997 weer volledig verdwenen.

Het roodwier *Dumontia contorta* verscheen in 1996 eveneens voor het eerst op alle Oosterscheldelocaties (behalve Wemeldinge). Wellicht hield het verschijnen van deze soort van getijdepoelen en karakteristiek voor het koude jaargetijde, verband met de minder warme zomer van 1996. Ook *D. contorta* was in 1997 weer verdwenen.

*Lomentaria clavellosa* verscheen in 1994 voor het eerst bij Zijpe en Wemeldinge en een jaar later ook bij Gorishoek, de resterende komlocatie. In 1996 breidde de soort zich verder uit tot de Zuidbout. In 1997 is *L. clavellosa* alleen nog niet bij Schelphoek aanwezig.

Een soort die tot de kom beperkt blijft is *Chondria dasyphylla*. Dit roodwier verscheen in 1994 bij Gorishoek en Wemeldinge en in 1995 bij Zijpe. Bij Gorishoek wordt *C. dasyphylla* ieder jaar algemener.

*Ceramium diaphanum* werd in 1994 voor het eerst in lage dichtheden in de kom gevonden. Sinds 1996 is de soort op alle Oosterscheldelocaties aanwezig.

*Antithamnion villosum* is sinds 1989/90 op de meeste Oosterscheldeocaties aanwezig. In de kom (Zijpe, Gorishoek en Wemeldinge) is *A. villosum* in 1995 verdwenen en verscheen *Antithamnionella spirographidis* als nieuwe soort. Op de meer westelijk gelegen locaties Zuidbout en Schelphoek wordt *A. villosum* een jaar later op dezelfde manier vervangen.

Brokkelster. De Brokkelster (*Ophiothrix fragilis*) kan een bedekking tot 100% halen en bedekt dan vrijwel alle andere organismen. Met name na koude winters kan de soort daarentegen geheel ontbreken. Na de koude winter van 1990/'91 was de Brokkelster op de meeste plaatsen vrijwel of geheel verdwenen. Alleen bij Schelphoek, waar de zeewatertemperatuur waarschijnlijk gematigd was door de ligging dicht bij de monding van de Oosterschelde, wist de soort zich enigszins te handhaven.

In 1995 verdween de Brokkelster totaal bij Wemeldinge, Zuidbout en Schelphoek. Dit was eigenlijk onverwacht want de voorafgaande winter was bijzonder zacht. Bij Zijpe en Gorishoek wist *O. fragilis* zich in 1995 nog te handhaven, met name op het diepere deel van het transect. Na de koude winter van 1995/'96 was de Brokkelster volledig verdwe-

nen op alle locaties. Van 1996 op '97 was er wederom een koude winter en kon de Brokkelster zich op de BIOMON locaties nauwelijks ontwikkelen; alleen bij Zijpe en Schelphoek werden enkele kleine brokkelsterretjes gesignaleerd.

Druipzakpijp. De Druipzakpijp (*Didemnum* cf. *maculosum*) was vóór 1991 nog niet uit de Oosterschelde bekend. In 1989 werd de soort al wel bij de Doggersbank gevonden (Van Moorsel *et al.* 1991). In 1991 vond De Kluijver (1996) de soort voor het eerst in een bouwput bij Neeltje Jans en op de Zoetersbout bij Zijpe. In het kader van BIOMON werd de Druipzakpijp in 1993 voor het eerst op het transect bij Zijpe gesignaleerd (in 1992 vonden geen BIOMON opnamen plaats). De soort - te herkennen als een wit-gele korst, groeiend als guirlandes over stenen en oesters -groeide in 1994 bij Zijpe flink uit, met name in de zone tussen 1 en 5 m, met een bedekking van 25 tot 75%. In 1995 was de bedekking vergelijkbaar, maar domineerde de soort ook direct onder de laagwaterlijn. In 1996 en 1997 is de bedekking bij Zijpe steeds verder toegenomen.

In 1994 werd *D. maculosum* voor het eerst in de kom van de Oosterschelde gevonden, zowel bij Gorishoek als Wemeldinge. Vervolgens breidde de soort zich daar steeds meer uit; in 1997 zette deze trend sterk door. Bij Wemeldinge is de bedekking onder de 15 m diepte al opgelopen tot meer dan 50%.

In 1997 verscheen de Druipzakpijp uiteindelijk ook bij de Zuidbout en Schelphoek. Op deze locaties werden enkele plakkaten met een diameter van ~0,5 m aangetroffen. Dit zou kunnen betekenen dat de soort het daar goed doet, maar dat de anvoer van larven tot nu toe nog een beperkende factor is. *Didemnum* is dus bezig met een sterke opmars in de Oosterschelde. Zowel koude winters als warme zomers lijken de soort daarbij niet te deren.

Voor een nadere beschouwing van de ontwikkeling van de levensgemeenschappen op de locaties in de Oosterschelde in de periode 1979-1995 zie Van Moorsel (1997).

### 4.2.2 Zijpe

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.3.

Een verschil in zoutgehalte en/of stromingsomstandigheden wordt niet duidelijk weerspiegeld door de verdeling van flora en fauna over de onderwaterhelling.

Afgezien van de ontwikkelingen die werden beschreven in het voorafgaande algemene gedeelte (§ 4.2.1) valt bij de wieren alleen de hoge bedekking van Iers Mos (*Chondrus crispus*) in de zone va 0-1 m op.

De Japanse oester (*Crassostrea gigas*) is sinds 1982 op deze locatie aspectbepalend. Het is opvallend dat deze oester zo algemeen is in een levensgemeenschap die verder zo sterk doet denken aan het Grevelingenmeer, alwaar de Japanse oester nauwelijks voorkomt. Mede doordat deze oesters aan de voet vaak geheel door slib zijn omgeven vormen ze de laatste jaren een groot deel van het harde substraat. In 1990 en 1993 liep de

bedekking op tot 50 tot 100%. Daarna blijft de Japanse oester bij Zijpe in wisselende bedekking aanwezig. In 1997 scoort *C. gigas* bij Zijpe laag

Sinds 1988 zijn bij Zijpe een aantal diersoorten verschenen die voorheen vooral karakteristiek waren voor het stagnante Grevelingenmeer: de Weduweroos (*Sagartiogeton undatus*), de zakpijpen *Ascidiella aspersa* en *Ciona intestinalis* en de Zwarte grondel (*Gobius niger*). Deze ontwikkeling kan worden verklaard door de totstandkoming van de Philipsdam in 1987. Door de sterke afname van de stroom bij Zijpe nam de bedekking van *Polysiphonia* soorten af en verdwenen sommige hydropoliepen.

De ontwikkeling van *Didemnum* cf. *maculosum* gaat in het ondiepe deel van het transect gepaard met een achteruitgang van sponzen en de Golfbrekeranemoon (*Diadumene cincta*). Het is onzeker of deze afname uitsluitend wordt veroorzaakt door de plaatsmonopolisatie door *Didemnum*; bij de Golfbrekeranemoon zette de achteruitgang namelijk al in 1991 in. De accumulatie van slib zal in het diepere deel van het transect voor een achteruitgang verantwoordelijk zijn.

De sinds 1993 geconstateerde achteruitgang bij de solitaire zakpijpen *Ciona intestinalis* en *Ascidiella aspersa* en het sinds 1989 steeds verder afnemen van de Zeeanjelier (*Metridium senile*) - deze zeeanemoon was in 1995 helemaal verdwenen - staat los van de ontwikkeling bij de Druipzakpijp. Bij deze drie soorten trad in 1996 en 1997 namelijk een duidelijk herstel op.

Nieuwe soorten. Enkele soorten werden nog niet eerder bij Zijpe waargenomen: De Schelpkokerworm (*Lanice conchilega*), een zeerups (*Pholoe minuta*) en de Tapijtschelp (*Venerupis senegalensis*). Van de laatste soort werden vier exemplaren aangetroffen die zich met byssusdraden hadden vastgehecht in een lege schelp van een Japanse oester. Naarmate deze oesters steeds meer domineren komen er ook meer schelpholtes beschikbaar, zodat organismen die zich thuisvoelen in dit milieu ook zullen toenemen.

Diversiteit. Na het hoge aantal soorten wieren in 1996 (gem. 14 tussen 0 en 3 m) zakte dit aantal in 1997 naar 10, een gemiddelde waarde (Tabel 6). Zowel in 1996 als 1997 is het aantal diersoorten relatief gering. Dit wordt deels verklaard door het verdwijnen van een aantal diersoorten die waarschijnlijk sterk reageren op koude winters, zoals de Brokkelster (*Ophiothrix fragilis*), Gewimperde zwemkrab (*Liocarcinus arcuatus*), Fluwelen zwemkrab (*Necora puber*), Ruig krabbetje (*Pilumnus hirtellus*) en Groene wierslak (*Elysia viridis*).

### 4.2.3 Schelphoek

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.4.

Binnen de wiergemeenschap bij de Schelphoek treden de laatste jaren geen grote verschillen op. In 1995 reikte de wierzone slechts tot een diepte van 2 m, in 1996 en 1997 wordt nog een viertal soorten dieper dan 3 m onder GLW gevonden.

Tot en met 1991 waren hoge bedekkingen van de Japanse oester (*Crassostrea gigas*) alleen direct onder de laagwaterlijn te vinden. Sinds 1993 wordt in de diepere zones van 5 tot 20 m een bedekkinging tussen 25 en 75% gevonden. In deze situatie verandert de laatste jaren weinig.

De levensgemeenschap van Schelphoek kent een eigen karakter (Van Moorsel 1997) door de aanwezigheid van soorten die stroming nodig hebben voor hun passieve filtermechanisme, zoals de Zeeanjelier (*Metridium senile*) en Haringgraat (*Halecium halecinum*). De bedekking van de Zeeanjelier neemt sinds 1989 echter geleidelijk aan wat af. Soorten die als actieve filteraars meer zijn aangepast aan rustiger water zoals zakpijpen werden hier zelden aangetroffen. In 1996 verscheen de Knotszakpijp (*Styela clava*) echter op het diepere deel van het transect en in 1997 waren er voor het eerst vier soorten manteldieren aanwezig: Naast de kolonievormen *Aplidium glabrum* en de hier voor het eerst verschenen Druipzakpijp (*Didemnum* cf. *maculosum*) (§4.2.1) waren vooral *Styela clava* en *Ciona intestinalis* algemeen. Het is waarschijnlijk dat tussen de vele (dode) oesters een beschut milieu ontstaat waar soorten zich thuis voelen die voorheen meer karakteristiek waren voor de kom van de Oosterschelde en het Grevelingenmeer.

De Fluwelen zwemkrab (*Necora puber*) is op deze westelijke locatie in 1996 nog in redelijke aantallen aanwezig. In 1997 wordt deze zwemkrab uitsluitend nog bij Schelphoek gesignaleerd (op basis van een incidentele waarneming). Dit duidt erop dat de soort zich na strenge winters meer in de monding van de Oosterschelde ophoudt. Dit geldt ook voor de Gewimperde zwemkrab (*Liocarcinus arcuatus*). Deze soort was bij Schelphoek alleen algemeen na de strenge winters van 1990/'91 en 1996/'97. Op de andere Oosterscheldelocaties en in het Grevelingenmeer was deze zwemkrab juist een algemene verschijning na de zachte winters van 1992/'93 tot en met 1994/'95.

Nieuwe soorten. Enkele soorten werden nog niet eerder bij Schelphoek waargenomen: De reeds genoemde Druipzakpijp (*Didemnum* cf. *maculosum*), de naaktslak *Facelina bostoniensis* en de Zeekat (*Sepia officinalis*). De Zeekat werd nog niet eerder in het kader van BIOMON waargenomen. In 1997 werden eiafzettende exemplaren nog waargenomen op 14 juni (waarneming GvM, Lokkersnol), hetgeen waarschijnlijk verband hield met de lage temperatuur van het zeewater. Dit verklaart tevens waarom jonge sepia's nog zo laat in het seizoen in de Oosterschelde aanwezig waren.

Diversiteit. Sinds 1994 is het aantal diersoorten in de wierzone (0-3 m) nogal teruggelopen: van gemiddeld 23 soorten tot en met 1993 tot 15 daarna. Zo worden verschillende soorten sponzen de laatste jaren vrijwel niet meer in de wierzone van Schelphoek aangetroffen. De soortenrijkdom in de zone van 3-15 m en bij de wieren (0-3 m) fluctueert ook wel, maar deze veranderingen zijn minder structureel.

### 4.2.4 Zuidbout

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.5.

Een opvallend verschijnsel bij de wieren van de Zuidbout is de schaarse bedekking in 1989 en 1990 en de relatief hoge bedekking van *Antithamnion villosum* en *Pterothamnion plumula* in 1994. Voorts wordt voor de wieren verwezen naar § 4.2.1.

De ontwikkeling bij de Japanse oester (*Crassostrea gigas*) kwam tot en met 1996 goed overeen met de locatie Schelphoek; op het ondiepe deel van het transect (tot 3 m diepte) bereikte de *C. gigas* in 1991 een maximale bedekking, daarna breidde de soort zich sterk uit in het diepere deel van het transect (vanaf 5 m). In 1997 nam de soort nog verder toe en vormde vanaf 2 m diepte het enige harde substraat. Daarboven was de oester geheel afwezig. Behalve de Japanse oester was in 1997 het mosdiertje *Bicellariella ciliata* goed vertegenwoordigd.

Met de voltooiing van de stormvloedkering in 1986 worden bij de Zuidbout soorten waargenomen die voorheen vooral karakteristiek waren voor het Grevelingenmeer. Sinds 1986 is de Zwarte grondel (*Gobius niger*) regelmatig present. Opvallend was de sterke opkomst van de Doorzichtige zakpijp (*Ciona intestinalis*) vanaf 1984 en vanaf 1990 de hiermee vaak geassocieerde *Ascidiella aspersa*. Nadat beide zakpijpen in 1995 vrijwel verdwenen, zijn ze in 1996 weer sterk teruggekomen. Ook 1991 was een goed jaar voor deze soorten. Dit duidt erop dat een lage wintertemperatuur in het algemeen gunstig uitpakt voor deze solitaire zakpijpen (zie ook § 4.1.2). In 1997 ontbrak *Ascidiella aspersa* echter bij de Zuidbout.

Nieuwe soorten. Een nieuw wier bij de Zuidbout was IJl buiswier (*Polysiphonia stricta*). Nieuwe diersoorten waren Gorgelpijp (*Tubularia larynx*), het Blauwtipje (*Janolus cristatus*), de Druipzakpijp (*Didemnum* cf. *maculosum*)(§ 4.2.1), de Zeebaars (*Dicentrarchus labrax*) en de Vorskwab (*Raniceps raninus*). Voorts het cryptische mosdiertje *Scrupocellaria scruposa*. *Pherusa* (=*Stylarioides*) *plumosa* werd nog niet eerder aangetroffen in het kader van BIOMON. Het betreft een forse polychaete worm die nauw verwant is aan *Flabelligera affinis*. Beide soorten leiden een "hemisessiel" bestaan tussen de schelpen van oesters en mosselen. Ook *F. affinis* verschijnt de laatste jaren steeds vaker op de BIOMON transecten, waarschijnlijk door de toename van schelpen van de Japanse oester.

Diversiteit. Van 1989 tot 1995 varieerde het gemiddelde aantal soorten wieren per zone (tussen 0 en 3 m) van 3,7 tot 11,7 soorten (Tabel 6). In 1996 waren er plotseling 19,7 soorten, maar in 1997 was er weer een meer gemiddelde waarde: 9,3 soorten. Het aantal diersoorten tussen 0 en 3 m diepte bereikt in 1997 een minimum: 11,3 soorten, slechts 52% van het gemiddelde in de voorgaande jaren (14,0-26,7 soorten). Ook het aantal soorten op het diepere deel van het transect bereikt een minimum: 16,5 soorten. Dit is 71% van het gemiddelde in de voorgaande jaren (18,5-28,8 soorten).

### 4.2.5 Gorishoek

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.6.

De belangrijkste trends bij de wieren en een aantal diersoorten werden reeds in § 4.2.1 beschreven.

Bij Gorishoek week de situatie bij de Japanse oester (*Crassostrea gigas*) tot nu toe af van de andere Oosterscheldelocaties doordat in het algemeen lage dichtheden voorkwamen en doordat de hoogste dichtheid hier in 1994 en 1995 ondiep werd bereikt. In 1997 is de bedekking op het diepere deel van het transect (dieper dan 3 m) juist sterk toegenomen.

Het Haarpijpje (*Eudendrium ramosum*) werd al regelmatig bij Gorishoek waargenomen, maar in 1996 voor het eerst in dichtheden tot 25%. In 1997 is deze hydropoliep echter weer verdwenen. De Hoorncelpoliep (*Bugula plumosa*), een mosdiertje, neemt sinds 1994 steeds meer toe.

Een ontwikkeling die op andere plaatsen in de Oosterschelde ook werd geconstateerd is de relatief hoge bedekking van de zakpijpen *Ciona intestinalis* en *Ascidiella aspersa* na de koude winters van 1991, 1996 en 1997.

Nieuwe soorten. Het kalkkorstwier (*Phymatolithon lenormandii*) en de Kleine zeenaald (*Syngnatus rostellatus*) zijn nieuw voor Gorishoek. De Tapijtschelp (*Venerupis senegalensis*) werd ook voor het eerst bij Zijpe gevonden (§ 4.2.2), *Gammarus locusta* ook bij Preekhilpolder (§ 4.1.1).

Een soort die in het kader van BIOMON nog niet eerder sublitoraal werd gevonden is de Groene golfbrekeranemoon (*Diadumene luciae*). Deze anemoon had zich gevestigd op een Knotszakpijp. In 1996 trof Faasse (1997) de soort eveneens sublitoraal aan, o.a. op 13 m diepte bij Kattendijke. *D. luciae* zit meestal in de bovenste helft van de getijdenzone en is daar ook bekend van Gorishoek (Faasse 1997).

Diversiteit. Tussen 0 en 3 m diepte treden bij Gorishoek geen grote verschillen op in soortenrijkdom. Wel was in 1996 met name het aantal soorten wieren daar relatief groot (gem. 16 soorten). Op het diepere deel van het transect (3-15 m) was de diversiteit van 1993 tot en met 1996 hoog (gem. 31 soorten). In 1997 daalde dit aantal sterk tot slechts 18 soorten. Dit zou goed kunnen worden veroorzaakt door de toename van de Druipzakpijp (*Trididemnum* cf. *maculosum*). Op alle transecten waar deze soort begint te domineren treedt een dergelijke afname van het aantal soorten op.

### 4.2.6 Wemeldinge

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.7.

Van 1979 tot 1993 is de dichtheid van de Japanse oester (*Crassostrea gigas*) gestaag toegenomen. In 1994 ging de bedekking ondiep wat achteruit en is het gebied met de grootste bedekking (>50%) naar het diepere deel van het transect verschoven. Deze situatie is tot en met 1997 blijven bestaan.

Wemeldinge vertoont ontwikkelingen die aansluiten bij Zijpe en/of Gorishoek. Een aantal overeenkomsten, met name bij wieren, werd reeds in § 4.2.1 vermeld. Andere zijn het in 1995 verschijnen en een jaar later weer verdwijnen van de Platte oester (*Ostrea edulis*), Ruig krabbetje (*Pilumnus hirtellus*), het garnaaltje *Athanas nitescens* en de kolonievormende zakpijp *Diplosoma listerianum*. De naaktslak *Elysia viridis* verscheen in groten getale in 1994. Dit verschijnsel deed zich ook voor bij Gorishoek en de Zuidbout en bij Zijpe een jaar later. Ook bij Wemeldinge zijn 1991, '96 en '97 goede jaren voor de zakpijpen *Ciona intestinalis* en *Ascidiella aspersa*.

Na een periode van achteruitgang is de Zeeanjelier (*Metridium senile*) sinds 1996 op het ondiepe deel van het transect (< 5 m) sterk toegenomen.

Nieuwe soorten. Nieuwe soorten bij Wemeldinge zijn het roodwier *Callithamnion roseum* en de wormen *Platynereis dumerilii* en *Harmothoe impar*, een zeerups. Het spookkreeftje *Caprella macho* verscheen in 1996 al op andere locaties in de Oosterschelde.

Diversiteit. Evenals bij Zijpe, de Zuidbout als Schelphoek was er bij Wemeldinge in 1996 een sterke stijging van het aantal soorten wieren. In 1997 neemt dit aantal weer af. Het lage aantal diersoorten kan ook hier verband houden met de uitbreiding van de Druipzakpijp (*Trididemnum* cf. *maculosum*).

### 4.2.7 TWINSPAN Oosterschelde

Een TWINSPANanalyse van alle opnamen tussen 1 en 2 en tussen 5 en 7 m in de Oosterschelde (Tabel 4.2a) laat op het eerste niveau een splitsing tussen de beide dieptezone's zien. De ene cluster bestaat uitsluitend uit ondiepe opnamen waarin wieren goed vertegenwoordigd zijn. Enkele diersoorten worden bij de wieren geclusterd, zoals de Alikruik (*Littorina littorea*), die voor zijn voedsel van algen afhankelijk is. De andere cluster bevat hoofdzakelijk diepere opnamen waarin maar weinig wieren voorkomen. Er zijn geen diersoorten die zich tot deze diepere opnamen beperken.

Splitsingen op het tweede en derde niveau komen terug bij de TWINSPANanalyses van de afzonderlijke dieptezones en worden aldaar behandeld.

Opnamen tussen 1 en 2 m. Een TWINSPANanalyse (Tabel 4.2b) laat op het eerste niveau in grote lijnen een splitsing zien tussen opnamen vóór 1995 en opnamen daarna. Indicatorsoorten voor de cluster tot 1995 zijn het roodwier *Antithamnion villosum*, Broodspons (*Halichondria panicea*) en de Brokkelster (*Ophiothrix fragilis*). Voor de opnamen vanaf 1995 zijn het de roodwieren *Antithamnionella spirographidis*, *Lomentaria clavellosa* en *Ceramium diaphanum / deslongchampsii*. Opnamen van Schelphoek en de Zuidbout uit 1995 worden bij de opnamen van vóór 1995 geclusterd, ondere andere door de aanwezigheid van het roodwier *Antithamnion villosum* en door de afwezigheid van de roodwieren *Ceramium diaphanum / deslongchampsii*, *Lomentaria clavellosa* en *Antithamnionella spirographidis*. Dit duidt erop dat er omstreeks 1995 een belangrijke omslag plaatsvond die begon in het oosten van de Oosterschelde. Dit beeld wordt nog

versterkt door de clustering van de opnamen uit 1994 bij Zijpe en Wemeldinge bij de cluster uit 1995-1997. Dit kan voor een groot deel verklaard worden door de aanwezigheid van de Druipzakpijp (*Didemnum* cf. *maculosum*) in deze opnamen.

Op het tweede niveau wordt van de cluster van vóór 1995 een vijftal opnamen afgesplitst, waarvan vier uit 1990. Kenmerkend voor deze cluster zijn hoge dichtheden van onder andere de Fluwelen zwemkrab (*Necora puber*), Brokkelster (*Ophiothrix fragilis*) en Slibanemoon (*Sagartia troglodytes*). De resterende cluster wordt op het derde niveau hoofdzakelijk verder verdeeld op basis van jaren: een cluster tot en met 1993 en een cluster met opnamen uit de jaren 1994 en 1995.

Bij de cluster vanaf 1995 neemt de locatie Zijpe een aparte positie in. Ook een opname bij Weldinge (1994) en Gorishoek (1995) clustert hierbij. Als indicator voor deze cluster geldt het ontbreken van het roodwier *Griffithsia devoniensis*. De Druipzakpijp (*Didemnum* cf. *maculosum*) in deze opnamen juist goed vertegenwoordigd.

Concluderend kan worden gesteld dat de TWINSPANanalyse de opnamen in de zone van 1-2 m diepte vooral splitst op basis van jaren. De locatie Zijpe neemt een aparte positie in, met name door het verschijnen van de Druipzakpijp.

Opnamen tussen 5 en 7 m. Een TWINSPANanalyse (Tabel 4.2c) laat op het eerste niveau een kleine cluster zien met voornamelijk opnamen uit de kom en bij Zijpe uit de jaren 1996 en 1997. Een van de indicatoren voor deze cluster is de Druipzakpijp (*Didemnum* cf. *maculosum*). De recente explosieve ontwikkeling van dit kolonievormende organisme in het oostelijk deel van de Oosterschelde is uitgebreid ter sprake gekomen in § 4.2.1. Een andere indicator is de combinatie van de roodwieren *Ceramium deslongchampsii* en *C. diaphanum*. Voorts wordt de cluster gekarakteriseerd door een hoge bedekking door de Doorzichtige zakpijp (*Ciona intestinalis*) en Ruwe zakpijp (*Ascidiella aspersa*). Bij de ontwikkeling van de Doorzichtige en Ruwe zakpijp in 1996 en '97 is de lage wintertemperatuur waarschijnlijk van groot belang is geweest.

De grote cluster, met voornamelijk opnamen uit de periode 1989-1995, heeft als indicator de Brokkelster (*Ophiothrix fragilis*), die na koude winters juist verdwijnt.

Van de grote cluster worden op het tweede niveau de opnamen van Schelphoek uit 1989 tot en met 1996 afgesplitst. Hoewel de TWINSPANanalyse ze niet als indicator aanmerkt is goed te zien dat passieve filterfeeders zoals Haringgraat (*Halecium halecinum*) en Zeeanjelier (*Metridium senile*) bij Schelphoek goed vertegenwoordigd zijn. De resterende groep heeft als indicatorsoorten de Knotszakpijp (*Styela clava*) en het Muiltje (*Crepidula fornicata*). Dat de opname van Schelphoek uit 1997 hierbij wordt ingedeeld valt te verklaren door de recente ontwikkeling van zakpijpen ter plekke (§ 4.2.3).

De Schelphoekcluster wordt op het derde niveau gesplitst op basis van jaren. De Japanse oester (*Crassostrea gigas*) nam sterk toe, de Golfbrekeranemoon (*Diadumene cincta*) nam af.

Van de resterende cluster met opnamen uit de periode 1989-1995 wordt op het derde niveau een cluster met voornamelijk opnamen bij Zijpe afgesplitst. Met name de kolonisatie door de Druipzakpijp, die bij Zijpe begon, is hiervoor verantwoordelijk. Andere indicatoren zijn een relatief hoge bedekking door de Japanse oester (*Crassostrea gigas*), en het frequent voorkomen van de Pitvis (*Callionymus lyra*) en Weduweroos (*Sagartiogeton undatus*). De laatste soort wordt bij Zijpe, evenals in het Grevelingenmeer, regelmatig op grotere diepte aangetroffen; op andere Oosterscheldelocaties blijft de soort meestal beperkt tot de wierzone.

Concluderend kan worden gesteld dat de TWINSPANanalyse de opnamen in de zone van 5-7 m diepte op het eerste niveau clustert op basis van jaren, waarbij zowel de ontwikkeling van de Druipzakpijp als het effect van de koude winters van 1995/'96 en 1996/'97 van belang zijn. Op een lager niveau speelt het onderscheid in locaties een rol, waarbij zowel Schelphoek als Zijpe een eigen positie innemen.

## 4.3 Veerse Meer

### 4.3.1 Vrouwenpolder

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.8.

Op deze brakke locatie domineren vaak groenwieren zoals zeesla (*Ulva*) en *Cladophora*. Tot en met 1994 was Visdraad (*Chaetomorpha linum*) vaak algemeen en vanaf 1996 vederwier (*Bryopsis*). Voorts wordt het Veerse Meer met name sinds 1993 gekarakteriseerd door het roodwier *Dasya baillouviana*[3].

Karakteristieke soorten voor het Veerse Meer zijn het Brakwaterkrabbetje (*Rhithropanopeus harrisii*) en - met name op het diepere deel van het transect bij Vrouwenpolder - de Trompetkalkkokerworm (*Ficopomatus enigmaticus*). De laatste soort ontbreekt echter volledig na de koude winters van 1990/'91, 1995/'96 en 1996/'97[4]. De Mossel (*Mytilus edulis*) is vrijwel altijd met een grote bedekking (25 - 75%) aanwezig, ook op het diepere deel van het transect. De Zeester (*Asterias rubens*), een belangrijke predator voor de Mossel, is dan ook vrijwel afwezig. Rond 5 m diepte zijn de mosselen sterk begroeid door blauwwieren (Cyanophyceae). Een andere soort die sinds 1996 veel op de mosselen wordt gevonden is het mosdiertje *Bowerbankia gracilis*.

De zakpijpen *Molgula manhattensis* en *Botryllus schlosseri* waren tot en met 1993 algemeen op het hele transect, maar verdwenen daarna. In 1997 is *M. manhattensis* weer bij Vrouwenpolder verschenen. Sponzen werden er tot nu toe alleen in 1991 en

[3] in 1997 dook dit wier echter ook op bij Dreischor

[4] Dit gegeven sluit goed aan op de literatuur (Van der Velde *et al.* 1993). Deze bron vermeldt overigens ook dat het oorspronkelijke verspreidingsgebied van *Ficopomatus enigmaticus* waarschijnlijk gezocht moet worden in de subtropisch-gematigde streken van Zuid-Australië.

1993 gevonden, maar in 1997 is er een relatief hoge bedekking door de Sliertige broodspons (*Halichondria bowerbanki*).

Nieuwe soorten. De Japanse oester (*Crassostrea gigas*) werd in 1997 voor het eerst bij Vrouwenpolder gevonden. Sinds 1991 was deze oester al wel aanwezig in het oosten van het Veerse meer bij Jonkvrouw-Annapolder. De Wadpier (*Arenicola marina*), de zeeduizenpoot *Nereis succinea* en de amphipode *Microdeutopus gryllotalpa* zijn soorten die zich ook thuisvoelen in zandig milieu en van dat substraat al langer bekend zijn uit het Veerse Meer (rapportages BIOMON zachtsub, NIOO-CEMO).

Diversiteit. De soortenrijkdom verschilt niet veel van jaar tot jaar.

### 4.3.2 Jonkvrouw-Annapolder

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.9.

Bij Jonkvrouw-Annapolder komen dezelfde karakteristieke wieren voor als bij Vrouwenpolder: *Chaetomorpha linum* en (sinds 1993) *Dasya baillouviana*. *C. linum* domineerde hier tot 1994 nog meer. In tegenstelling tot bij Vrouwenpolder keerde dit groenwier in 1997 sterk terug.

Sinds 1991 is hier de Japanse oester (*Crassostrea gigas*) aanwezig. Vanaf 1995 is de bedekking sterk toegenomen. De hoge bedekking door de Mossel (*Mytilus edulis*) in 1993 en 1994 is weer wat afgenomen. De Mossel en Japanse oester vormen een groot deel van het beschikbare harde substraat en fungeren als ondergrond voor diverse andere organismen. Doordat het harde substraat hier niet erg diep reikt is de Trompetkalkkokerworm (*Ficopomatus enigmaticus*) bij Jonkvrouw-Annapolder een minder algemene verschijning. Ook hier ontbreekt deze soort in 1991, '96 en '97 volledig. De zakpijp *Molgula manhattensis* was vooral in 1989 goed vertegenwoordigd, daarna is de bedekking sterk achteruit gegaan, maar evenals bij Vrouwenpolder is *M. manhattensis* in 1997 weer verschenen.

Nieuwe soorten. Evenals bij Vrouwenpolder werd hier voor het eerst de zeeduizenpoot *Nereis succinea* gevonden. Een andere nieuwe soort voor Jonkvrouw-Annapolder was de zeerups *Harmothoe imbricata*.

Diversiteit. Ondanks haar positie, niet ver van de Zandkreekdam en daardoor in de nabijheid van zouter water uit de Oosterschelde, is Jonkvrouw-Annapolder in het algemeen wat armer aan soorten dan Vrouwenpolder. Dit hangt waarschijnlijk samen met het geringe oppervlak aan hard substraat. In 1994 zijn er door de ophoping door *Chaetomorpha linum* tussen 0 en 1 m diepte maar weinig soorten. In 1997 is de soortenrijkdom in de door Japanse oesters gedomineerde zone tussen 2 en 5 m laag (gemiddeld 10,5

soorten). Dit constrasteert sterk met de situatie in 1993. Toen domineerde de Mossel en was de soortenrijkdom ruim twee maal zo hoog (gemidddeld 23 soorten).

### 4.3.3 TWINSPAN Veerse Meer

De TWINSPANanalyse van de Veerse Meer opnamen (Tabel 4.3) maakt op het eerste niveau vooral onderscheid tussen de periode tot en met 1993 en de periode daarna. Tot en met 1993 waren zowel het Sterretje (*Botryllus schlosseri*), de spons *Haliclona xena* en hogere dichtheden van de Zwarte grondel (*Gobius niger*) en Campanulariidae indicatorsoort. In de periode daarna worden aasgarnalen frequenter aangetroffen.

Op het tweede niveau worden in de periode 1989-'93 de opnamen van Jonkvrouw-Annapolder uit 1991 afgescheiden met een relatief lage bedekking door het Sterretje (*Botryllus schlosseri*). In de periode 1994-'97 wordt voornamelijk ondescheid gemaakt tusen de de beide locaties. De Japanse oester (*Crassostrea gigas*) en broodsponzen ontwikkelen zich vooral goed bij Jonkvrouw-Annapolder.

Concluderend: Het voornaamste onderscheid wordt gemaakt op basis van jaren: de periode tot en met 1993 en de periode daarna. In de periode van 1994 tot en met '97 valt de locatie Jonkvrouw-Annapolder op door de ontwikkeling van Japanse oester en broodspons.

## 4.4 Westerschelde

### 4.4.1 Ritthem

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.10.

De wiergroei is voornamelijk beperkt tot de eerste meter onder GLW. Opmerkelijk is de hoge bedekking van *Ceramium nodulosum* in 1993. Darmwier (*Enteromorpha* sp.) en *Phyllophora pseudoceranoides* kenden in respectievelijk 1990 en '95 een hoge bedekking. In 1996 en '97 waren er geen wieren met een opvallend hoge bedekking.

De Japanse oester (*Crassostrea gigas*) begon de laatste jaren bij Ritthem algemener te worden, maar is in 1997 weer vrijwel verdwenen.

In 1995 ontbraken alle zeeanemonen. Enkele soorten worden vrijwel altijd gevonden bij Ritthem maar ontbraken daar in 1997: Campanulariidae, het Muiltje (*Crepidula fornicata*) en het mosdiertje *Bicellariella ciliata*. *B. ciliata* was in 1996 juist de algemeenste bryozoo. Ook de Slangencelpoliep (*Anguinella palmata*), een ander mosdiertje, vertoont relatief grote fluctuaties bij Ritthem.

Nieuwe soorten. De groenwieren *Cladophora rupestris* en *Bryopsis* sp. waren nieuwe soorten voor de locatie Ritthem. De laatste soort was in 1997 in de overige deltawateren

ook een algemene verschijning. Andere nieuwe soorten waren de hydropoliep *Clytia hemisphaerica*, de polychaet *Autolytus prolifer* en het naaktslakje *Facelina bostoniensis.*

Diversiteit. Het aantal soorten bij Ritthem is voor Westerscheldebegrippen tamelijk hoog. Waarschijnlijk is dit het gevolg van een relatief grote mariene invloed. Tussen 0 en 1 m was de diversiteit normaal (18 soorten). Daaronder was de soortenrijkdom beduidend lager dan in voorgaande jaren. Doordat de het onderwaterzicht hier nog wel eens te wensen over laat, kan ook het missen van soorten van invloed zijn op de gevonden diversiteit

### 4.4.2 Kruiningen

Een overzicht van de ontwikkeling op deze locatie staat in Tabel 3.11.

Tot en met 1996 was er bij Kruiningen altijd een totaal gebrek aan onderwaterzicht. In 1997 viel echter op dat er onder water vaag contouren te onderscheiden waren. Dit kan het gevolg zijn van de sinds 1995 ter plekke aanwezige geulwandverdediging, waardoor wellicht minder slib wordt opgewerveld. Door de massale aangroei met Japanse oesters zou slib bovendien makkelijker kunnen sedimenteren.

Het brakke karakter van deze locatie blijkt uit het optreden van de Brakwatermossel (*Mytilopsis leucophaeata*), Palingbrood (*Electra crustulenta*), de zakpijp *Molgula manhattensis* en Zuiderzeekrabbetje (*Rhithropanopeus harrisii*). De laatste twee soorten zijn ook bekend van het Veerse Meer.

Het enige wier dat hier incidenteel voorkomt is Navelwier (*Porphyra umbilicalis*). De Zeedahlia (*Urticina felina*) wordt in het kader van BIOMON uitsluitend bij Kruiningen gevonden.

Door het geringe onderwaterzicht kan de soortensamenstelling op deze locatie alleen op de tast dan wel aan de hand van meegenomen stenen worden bepaald. Niettemin kunnen bij Kruiningen veranderingen in soortensamenstelling en abundanties worden waargenomen. Zo ontbreken in 1993 zeepokken, maar de Japanse oester (*Crassostrea gigas*) was daar toen juist zeer dominant. In 1997 hebben beide soorten een hoge bedekking. De kokerworm *Amphitrite figulus*, die in 1996 voor het eerst werd gevonden, was in 1997 ook weer aanwezig. De Golfbrekeranemoon (*Diadumene cincta*) is vanaf 1994 verdwenen.

Nieuwe soorten. Nieuwe soorten waren de cryptische hydropoliep *Clytia hemisphaerica* en zeeduizendpoot *Nereis succinea*.

Diversiteit. De lage soortenrijkdom valt te verklaren omdat er maar weinig soorten bestand zijn tegen een dergelijk fluctuerend en brak milieu.

### 4.3.3 TWINSPAN Westerschelde

De TWINSPANanalyse maakt op het eerste niveau een 100% onderscheid tussen de locaties Ritthem en Kruiningen (Tabel 4.4). Dit is niet verwonderlijk gezien het mariene karakter van de locatie Ritthem tegenover de brakke invloed bij Kruiningen. De Pennenschaft (*Tubularia indivisa*) is daarbij een zeer goede indicatorsoort die bij Ritthem nimmer ontbreekt en bij Kruiningen volledig afwezig is. Voor de zakpijp *Molgula manhattensis* geldt vrijwel het omgekeerde.

Bij Ritthem clusteren de meeste opnamen tot en met 1994, met als indicator de Geweispons (*Haliclona oculata*) en het ontbreken van het Donker buiswier (*Polysiphonia fucoides*). Op het derde niveau wordt in deze cluster onderscheid gemaakt tussen de opnamen uit 1989 en '90 tegenover 1991-'94.

Bij Kruiningen worden de jaren 1993 tot en met '97 (uitgezonderd 1995) van de overige jaren afgesplitst. Dit zijn jaren met een hoge bedekking met Japanse oester en Mossel. Op het derde niveau clusteren de beginjaren 89-90 met aanwezigheid van Muiltje (*Crepidula fornicata*) en hoge zeepokkenbedekking.

Concluderend: De TWINSPANanalyse maakt en zeer duidelijk onderscheid tussen de twee Westerscheldelocaties. Op het tweede niveau worden de opnamen vervolgens gesplitst op basis van jaren, elke locatie aan de hand van eigen indicatorsoorten.

# 5 Conclusies en aanbevelingen

Grevelingenmeer. Hier komen de ontwikkelingen bij het ver van elkaar gelegen Dreischor en Preekhilpolder in het algemeen goed overeen. Dit doet vermoeden dat het hier om processen gaat die representatief zijn voor het harde substraat van het hele meer.

Vooral bij roodwieren zijn er parallelle ontwikkelingen tussen de locaties. Voorbeelden zijn het opduiken van *Dasysiphonia* en *Lomentaria clavellosa in* 1996. Groenwieren, met name *Bryopsis*, *Codium fragile* en *Ulva* sp., fluctueren sterk maar daarbij kunnen wel grote verschillen tussen de locaties optreden. Hetzelfde geldt voor het bruinwier *Sargassum muticum*.

De solitaire zakpijpen *Ciona intestinalis* en *Ascidiella aspersa* en het mosdiertje *Bugula plumosa* kunnen ook sterk van jaar tot jaar fluctueren, maar daarbij is er een goede overeenkomst tussen de locaties.

In het Grevelingenmeer treden dus aanzienlijke jaarlijkse verschillen op. Echter, gedurende de laatste negen jaar zijn geen duidelijke trends te zien in termen van het (definitief) verschijnen of verdwijnen van algemene soorten. Zo clusteren de opnamen uit 1997 na het tweede delingsniveau van de TWINSPANanalyse met opnamen uit 1989 en '90, de beginperiode uit BIOMON. Blijkbaar spelen zich geen irreversibele processen af in de voor de TWINSPAN geselecteerde zones. Op het diepere deel van het transect verdwijnt door accumulatie van slib wel steeds meer hard substraat.

Oosterschelde. In de ondiepe door wieren gedomineerde zone (1-2 m) maakt de TWINSPANanalyse vooral onderscheid tussen jaren. Bij de diepere zone (5-7 m) komen de verschillen tussen de locaties meer tot uiting. Vooral Zijpe en Schelphoek nemen daarbij een eigen positie in.

De komlocaties Wemeldinge en Gorishoek vertonen veel overeenkomsten. Sinds 1996 begint de Druipzakpijp (*Didemnum* cf. *maculosum*), tot dan toe alleen bij Zijpe dominant, ook hier sterk op te komen. Door een hoge bedekking door *D. maculosum* kan de soortenrijkdom teruglopen. Daarnaast vallen de komlocaties op door de opkomst van een aantal roodwieren zoals *Chondria dasyphylla* en *Lomentaria clavellosa*.

De Japanse oester (*Crassostrea gigas*) domineerde in 1982 al bij Zijpe, daarna ook op de andere Oosterscheldelocaties. Maximale bedekkingen van 50-100% worden met name onder de wierzone gevonden: bij Wemeldinge sinds 1993, bij de Schelphoek sinds 1994, bij de Zuidbout sinds 1995 en bij Gorishoek voor het eerst in 1997. Bij de Zuidbout is de bedekking in 1997 over het hele transect extreem hoog. Ook bij Preekhilpolder (Grevelingenmeer), in het Veerse Meer en in de Westerschelde neemt de Japanse oester toe. De dominantie door *C. gigas* kan weer afnemen door overgroeiing met de Druipzakpijp.

Een hoge bedekking door de Japanse oester heeft een grote invloed op de rest van de levensgemeenschap. De schelpen vormen een nieuw type hard substraat en tussen de schelphelften ontstaat een milieu van kleine holen waarin een soort als de Tapijtschelp

(*Venerupis senegalensis*) zich vestigt. Het oorspronkelijke substraat verdwijnt echter door accumulatie van fijn sediment. Mogelijk is er sprake van een competitie met andere filterfeeders. Voorts kan door de activiteit van *C. gigas* als filterfeeder de helderheid van het water toenemen, hetgeen nieuwe mogelijkheden biedt voor de wierengemeenschap.

De Brokkelster (*Ophiothrix fragilis*) blijft beperkt tot de Oosterschelde, maar domineerde daar van 1988 tot '90 dusdanig (Fig. 3a-c) dat er sprake was van een sterk effect op de levensgemeenschap. In 1991 was de Brokkelster door een lage wintertemperatuur grotendeels verdwenen. In 1993 en '94 keerde *O. fragilis* weer terug, maar niet op het niveau van 1988-'90. In 1995 was de soort alleen nog aanwezig bij Zijpe en Gorishoek en na de koude winters van 1995/'96 en 1996/'97 is de soort vrijwel verdwenen.

De Oosterschelde vertoont gedurende de BIOMONperiode dus een aantal duidelijke ontwikkelingen: enerzijds zijn er de reacties van soorten op koude winters, anderzijds zijn er de sterke toename van de Japanse oester en de laatste jaren ook de Druipzakpijp. De trend is dat veranderingen die bij Zijpe ontstaan zich daarna ook manifesteren in de kom van de Oosterschelde en vervolgens ook bij de Zuidbout en bij Schelphoek. In tegenstelling tot het Grevelingenmeer is de onderwaterlevensgemeenschap van het harde substraat in de Oosterschelde zodoende aan drastische veranderingen onderhevig.

Veerse Meer. Hier wordt een soortenarme gemeenschap gevonden met verschillende karakteristieke brakwatersoorten, zoals de Trompetkalkkokerworm (*Ficopomatus enigmaticus*). Deze soort verdwijnt na koude winters. De Japanse oester (*Crassostrea gigas*) speelt sinds 1995 een belangrijke rol bij de locatie Jonkvrouw-Annapolder.

Westerschelde. Er is een duidelijk verschil tussen de soortenarme locatie bij Kruiningen - aangepast aan sterke estuariene fluctuaties - en een soortenrijke meer mariene locatie bij Ritthem. Door het beperkte aantal soorten bij Kruiningen vormt het wegvallen of verschijnen van een soort een relatief grote verandering in de levensgemeenschap.

Effect koude winters. De strenge winter van 1995/'96 leverde een goed inzicht op omtrent de oorzaak van het fluctueren van populaties. Dit beeld kon worden bevestigd door BIOMONgegevens na de koude winter van 1996/'97. De relatie tussen kou en het verdwijnen van de Brokkelster (*Ophiothrix fragilis*) was al bekend. De huidige gegevens indiceren dat andere belangrijke soorten, *viz.* de solitaire zakpijpen *Ciona intestinalis* en *Ascidiella aspersa*, tegenovergesteld reageren op strenge winters.

De recente koude winters leveren ook aanwijzingen op omtrent de oorzaak voor de toename van een aantal soorten. Soorten die zich hebben kunnen uitbreiden gedurende de warme zomers van 1994 en '95, zoals *Elysia viridis, Ostrea edulis, Athanas nitescens, Pilumnus hirtellus* en *Inachus phalangium*, zijn nu weer verdwenen. Voor soorten die zich weten te handhaven zoals de Japanse oester (*Crassostrea gigas*) en de Druipzakpijp (*Didemnum* cf. *maculosum*) kan het Deltagebied of een deel daarvan worden beschouwd als een meer permanente uitbreiding van de geografische verspreiding.

Exoten. Veel dominante soorten op het harde substraat kunnen worden beschouwd als immigrant, zoals het Japans bessenwier (*Sargassum muticum*), de Knotszakpijp (*Styela clava*), de Japanse oester (*Crassostrea gigas*) en het Muiltje (*Crepidula fornicata*). Van andere veelvoorkomende soorten die recentelijk zijn verschenen, zoals de Druipzakpijp (*Didemnum* cf. *maculosum*) en diverse sponzen, is de reden van verschijnen niet goed bekend. In 1996 is daar het roodwier *Dasysiphonia* bijgekomen. In een aantal gevallen is het verschijnen waarschijnlijk terug te voeren op import van allochtoon schelpdiermateriaal.

Toekomstige ontwikkelingen. In de toekomst kunnen veranderingen optreden in een aantal watersystemen van de Delta. Te denken valt aan het doorspoelen van het Veerse Meer, een wijziging van het doorspoelregime van het Grevelingenmeer en het creëren van een zoet / zout gradiënt in de Oosterschelde. Dergelijke ingrepen zullen op een aantal BIOMONlocaties gepaard gaan met een verandering in zoutgehalte. In de Westerschelde is de locatie Schoone Waardin bij Ritthem aangewezen als een van de stortlocaties voor baggermateriaal (Anonymous 1997). Door monitoring van het brede scala aan organismen op hard substraat kunnen effecten van dit soort ingrepen worden gevolgd.

Aanbevelingen. Met het huidige tempo van ontwikkelingen op de harde substraten in het Deltagebied, met name in het Grevelingenmeer en in de Oosterschelde, is het noodzakelijk dat de monitoring minimaal met de huidige inspanning wordt voortgezet. Zouden er mogelijkheden zijn om het aantal locaties uit te breiden dan ligt het het meest voor de hand om daarbij in het Grevelingenmeer extra aandacht te schenken aan het bekken direct achter de Brouwerssluis, tussen Scharendijke en Den Osse. In de Oosterschelde zou een locatie in het westen kunnen worden gekozen, bijvoorbeeld voor de kust van Noord Beveland. Dit, omdat de oostelijke locaties momenteel de grootste gelijkenis vertonen.

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Tabellen 3 - 6

Figuur 3

Bijlagen 1 & 2

Tabel 3.1 Preekhilpolder, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 90 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 93 | 93 | 93 | 93 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | ondergr. (m) |
| Bryo sp | 3 | 3 | 2 | 1 | 3 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 2 | 2 | 2 | 1 | 4 | 4 | 5 | 4 | 2 | 3 | 1 | r | 1 | 1 | 2 | + | 3 | 4 | 2 | + | Bryo sp |
| Chae linu | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Chae linu |
| Clad rupe | | | | | 2 | 1 | + | | | | | | 2 | 1 | | | | | | | + | | | | | | | | 2 | + | | | Clad rupe |
| Clad sp | 2 | 2 | 1 | + | | | | | | | | | | | | | | | | | | | | | | | r | | 3 | + | | | Clad sp |
| Codi frag | + | + | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 3 | 2 | 2 | + | 1 | 1 | 1 | 2 | 2 | 2 | 2 | r | r | | | 1 | 1 | + | + | 3 | 3 | 2 | 1 | Codi frag |
| Codi frgy | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 2 | 1 | + | | | | | Codi frgy |
| Ente sp | | | | | | | | | | | | | | | | | 1 | | | | + | | | | + | | | | | | | | Ente sp |
| Ulva sp | + | + | + | + | | | | | | | | | 3 | 1 | | | + | 1 | + | | + | + | | | | + | | | 2 | 1 | + | | Ulva sp |
| Dict dich | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | Dict dich |
| Ecto carp | 2 | 3 | 2 | 1 | 4 | 2 | 2 | | | | | | | | | | | | | | 1 | | | | 1 | 1 | | | 2 | + | | | Ecto carp |
| Fucu serr | 1 | | | | + | | | | 3 | | | | + | | | | 2 | | | | 1 | | | | 1 | | | | 1 | | | | Fucu serr |
| Laet diff | + | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Laet diff |
| Sarg muti | 3 | 2 | 1 | 1 | 3 | + | r | | 2 | 2 | 1 | | 3 | 2 | + | | 2 | 1 | 1 | 1 | 2 | 1 | + | | 3 | 2 | 1 | + | 4 | 3 | 2 | + | Sarg muti |
| Anti spir | | | | | | | | | | | | | | | | | | | | | | | | | + | + | | | | | | | Anti spir |
| Anti tern | | | | | | | | | | | | | | | | | | | | | + | + | + | | | | | | | | | | Anti tern |
| Anti vill | | | | | | | | | + | 1 | 3 | 2 | + | 1 | 1 | 1 | + | 1 | 1 | 1 | | | | | | | | | | | | | Anti vill |
| Call cory | | | | | | | | | | | | | | | | | | | | | + | | | | + | + | | | | | | | Call cory |
| Call rose | 2 | 2 | 3 | 3 | | | | | | | | | 1 | 2 | 2 | 2 | 2 | + | | | | + | + | + | 1 | 2 | 1 | 1 | 1 | | | | Call rose |
| Cera diap | | | | | | | | | | | | | | | | | 1 | 2 | 3 | 2 | | | | | + | 1 | 1 | + | 1 | 1 | 1 | + | Cera diap |
| Cera nodu | 1 | + | + | + | | | | | 1 | 2 | + | + | 1 | 1 | 1 | | r | | | | | | | | + | + | | | + | + | + | | Cera nodu |
| Chon cris | 3 | 2 | 1 | + | 3 | r | | | | | | | 4 | + | | | 1 | + | 1 | | + | r | | | 1 | + | | | 2 | | | | Chon cris |
| Dass sp | | | | | | | | | | | | | | | | | | | | | | | | | + | + | | + | | 2 | 3 | 1 | Dass sp |
| Grif devo | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | | | | | | | | | | | | | | | r | | + | + | + | + | + | 1 | 2 | 1 | Grif devo |
| Lome clav | | | | | | | | | | | | | | | | | | | | | | | | | + | + | | r | | | | | Lome clav |
| Phym lemo | | | | | | | | | | | | | | | | | | | | | + | | | | 1 | + | | | | | | | Phym lemo |
| Poly fuco | | | | | | | | | + | 1 | 1 | + | + | 1 | 1 | | | | | | | | | | | | | | | | | | Poly fuco |
| Poly harv | 1 | 1 | 1 | + | 1 | 1 | 1 | + | | | | | | | | | | | | | 3 | 2 | + | | | | | | 3 | 2 | 1 | + | Poly harv |
| Poly ngra | | | | | | | | | + | + | + | + | | | | | | | | | | | | | 1 | 2 | + | + | | | | | Poly ngra |
| Poly stri | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | Poly stri |
| Pter plum | + | | | | | | | | | | | | | | | | + | + | + | + | + | + | r | | + | + | 2 | + | + | + | 1 | 1 | Pter plum |
| Clio cela | 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 | Clio cela |
| Hall bowe | | | | | | | | r | + | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | + | + | + | Hall bowe |
| Hali pani | | r | r | r | | + | + | + | | | | | | | | | + | 1 | 1 | 1 | + | | | | 1 | + | + | | | | | | Hali pani |
| Hali ocul | | r | r | r | | | | + | | 1 | 1 | 1 | | | | | | | + | 1 | | | | | | | | r | | | | | Hali ocul |
| Hali xena | + | + | + | + | | | + | + | | | | | | | | | | 1 | 1 | 1 | | r | r | r | | | + | | | + | + | | Hali xena |
| Myca micr | 0 | 0 | 0 | 0 | | | | | | | | | | + | + | + | | 1 | 1 | 1 | | | + | + | r | r | | | + | 1 | 1 | 1 | Myca micr |
| Aure auri | | | | | | | | | | | r | | | | | | | 1 | 1 | 1 | | | | | | | + | + | | | | | Aure auri |
| Camp anul | | | | | | | | | + | + | + | + | | | | | | | | | | | | | | | | | | | | | Camp anul |
| Diad cinc | | | | | | | | | | + | + | 1 | | + | + | 1 | | | | 1 | | | + | + | 1 | 1 | 2 | 2 | + | 1 | 1 | 1 | Diad cinc |
| Metr seni | + | r | r | | | | | | | | | | | | | | | | | + | | | | | + | | | | | | | | Metr seni |
| Saga trog | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | + | | | | Saga trog |
| Sago unda | 1 | 1 | + | + | + | + | + | + | + | 1 | 1 | | | + | + | + | | | + | + | | | | | 1 | 1 | 1 | 1 | + | + | 1 | 1 | Sago unda |
| Amph figu | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | Amph figu |
| Crass giga | | | | | | | | | | | | | | | | | | | | | r | | | | + | + | r | r | 1 | | | | Crass giga |
| Crep forn | 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 | Crep forn |
| Litt litt | 1 | + | + | + | 1 | + | | | 1 | 1 | + | + | 1 | + | + | + | + | + | + | + | + | | | | 1 | + | + | r | | | | | Litt litt |
| Myti edul | 1 | 1 | 1 | + | 2 | 1 | 1 | + | | | | | + | | | | | | | | 1 | + | | | + | + | + | + | + | | | | Myti edul |
| Ostr edul | + | 3 | 4 | 4 | 1 | 2 | 2 | 2 | + | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | 1 | 1 | 1 | + | + | + | | | + | 1 | 2 | 1 | 2 | 2 | 2 | Ostr edul |
| Carc maen | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 | + | + | + | + | r | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | Carc maen |
| Cirr iped | 2 | 2 | 2 | 2 | 0 | 0 | | | + | + | + | + | 2 | 2 | 2 | 2 | | + | + | | + | | | | 2 | 2 | 1 | 1 | + | + | + | | Cirr iped |
| Cran cran | | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | Cran cran |
| Lioc arcu | | | | | | | | | | | | | | | | | + | + | + | + | | r | + | r | | | | | | | | | Lioc arcu |
| Macr rost | + | 1 | 1 | 1 | | 0 | 0 | 0 | | | | | | | 0 | 0 | | | | | | | | r | | | | | | | | | Macr rost |
| Pala adsp | 1 | 1 | 1 | 1 | 1 | + | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | + | | | | | | 1 | 1 | 1 | 1 | Pala adsp |
| Pala eleg | r | r | r | r | | + | + | | + | 1 | 1 | 1 | r | + | + | + | | | | | 1 | 1 | 1 | + | 1 | 1 | 1 | 1 | | | | | Pala eleg |
| Pala serr | | | | | | | | | | | | | r | + | 1 | 1 | | | | | | | | | | | | | | | | | Pala serr |
| Prau flex | | | | | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Prau flex |
| Alcy myti | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Alcy myti |
| Bugu plum | + | + | + | + | 1 | 2 | 2 | 1 | + | + | + | + | | | | | + | + | 1 | 1 | + | 1 | 4 | 1 | | + | + | 1 | 1 | 1 | 2 | 2 | Bugu plum |
| Cono seur | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | Cono seur |
| Elec pilo | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Elec pilo |
| Aste rube | + | + | + | r | | | | | + | + | + | + | | r | + | + | | | r | r | | | | | r | r | r | r | | | | | Aste rube |
| Psam mili | | | | | | | | | | | | | | | | | | | | r | r | | | | | | | | | | | | Psam mili |
| Apli glab | | | | | | | | | | | | | | | | | | | | | + | | | | + | + | r | | | r | | r | Apli glab |
| Ascl aspe | 1 | 1 | 1 | 1 | + | 1 | 2 | 2 | 1 | 2 | 2 | 2 | r | + | + | + | | + | + | + | + | 1 | 1 | + | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | Ascl aspe |
| Botr schl | r | r | r | r | + | + | 1 | 1 | 0 | 0 | 0 | 0 | | | | | | | | | 1 | | | | | | | | + | + | + | + | Botr schl |
| Cion inte | + | + | 1 | 1 | | + | + | + | 1 | 2 | 2 | 2 | r | + | + | + | | + | + | + | | 1 | 1 | + | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | Cion inte |
| Stye clav | + | + | + | + | r | + | 1 | 1 | 1 | 1 | 1 | 1 | r | r | r | r | | r | r | r | | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Stye clav |
| Gobi nige | 1 | 1 | 1 | 1 | | r | + | + | | | + | + | | r | + | + | | 1 | 1 | 1 | | + | + | 1 | r | + | + | 1 | 1 | 1 | 1 | 1 | Gobi nige |
| Myox scor | | | | + | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | Myox scor |
| Poma minu | | | | | | | | | | | | | | | | | | | | | | | r | + | | | | | | | | | Poma minu |
| Poma pict | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | Poma pict |
| Zoar vivi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | Zoar vivi |
| n soorten | 35 | 34 | 34 | 34 | 27 | 27 | 25 | 23 | 24 | 26 | 28 | 25 | 26 | 27 | 26 | 22 | 22 | 28 | 30 | 30 | 32 | 25 | 25 | 19 | 41 | 40 | 33 | 35 | 35 | 32 | 28 | 25 | n soorten |
| Cyan ophy | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | Cyan ophy |
| Diat omee | | | | | 0 | 0 | 0 | 0 | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | Diat omee |
| Athe pres | 0 | 0 | | | | | | | | | | | | | | | | | | | | | 0 | | | | | | | | | | Athe pres |
| Leuc vari | | | | | x | | | | x | | | | x | | | | x | | | | x | | | | x | | | | x | | | | Leuc vari |
| Pros epip | x | | | | x | | | | x | | | | x | | | | x | | | | x | | | | x | | | | x | | | | Pros epip |
| Scyp sp | x | | | | x | | | | x | | | | | | | | x | | | | | | | | x | | | | x | | | | Scyp sp |
| Harm imbr | | | | | | | | | | | | | | | | | | | | | x | | | | x | | | | x | | | | Harm imbr |
| Leps squa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | Leps squa |
| Plat dume | | | | | | | | | | | | | x | | | | | | | | x | | | | x | | | | x | | | | Plat dume |
| Pold sp | | | | | | | | | | | | | x | | | | x | | | | | | | | x | | | | | | | | Pold sp |
| Poln olda | x | | | | x | | | | x | | | | | | | | | | | | | | | | | | | | | | | | Poln olda |
| Typo hyal | | | | | | | | | | | | | x | | | | | | | | | | | | x | | | | | | | | Typo hyal |
| Hini reti | x | | | | x | | | | | | | | x | | | | x | | | | x | | | | x | | | | | | | | Hini reti |
| Lepi cine | | | | | x | | | | x | | | | x | | | | | | | | x | | | | x | | | | x | | | | Lepi cine |
| Vene sene | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | Vene sene |
| Aora typ | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | Aora typ |
| Coro insi | | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | | Coro insi |
| Coro sext | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | Coro sext |
| Gamm locu | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | Gamm locu |
| Gamm sp | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | Gamm sp |
| Micr gryl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | Micr gryl |
| Micr vers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | Micr vers |
| Cryp pall | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | Cryp pall |

Tabel 3.2 Dreischor, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| Bryo sp | 3 | 3 | 1 | r | | | | | + | + | 1 | + | | | | | 1 | | | + | | | | | | | | | | | |
| Chae linu | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | |
| Clad rupe | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clad sp | | | | | | | | | 3 | 3 | | | | | | | 2 | 1 | | | | | | | | | | | | | |
| Codi frag | + | 1 | 1 | + | + | | | | 4 | 4 | 3 | 1 | + | | | | 3 | 2 | 2 | 1 | | | | | 4 | 3 | 1 | + | | | |
| Codi frgy | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | |
| Ente sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ulva sp | 2 | + | | | | | | | 2 | + | | | | | | | 3 | | | | | | | | 3 | 2 | | | | | |
| Dict dich | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | | | | |
| Ecto carp | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sarg muti | 5 | 5 | 4 | + | | | | | + | + | + | + | | | | | 3 | 1 | | | | | | | 2 | 1 | | | | | |
| Anti spir | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anti tem | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anti vill | r | 2 | 3 | 1 | | | | | | | | | | | | | + | | | | | | | | + | + | 1 | + | | | |
| Call byss | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Call cory | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Call rose | 1 | 2 | + | 2 | | | | | 0 | 0 | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| Cera diap | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cera nodu | | | | | | | | | 1 | 1 | | | | | | | + | + | | | | | | | + | + | + | | | | |
| Chon cris | 1 | | | | | | | | 1 | | | | | | | | 2 | | | | | | | | 3 | 3 | 1 | + | | | |
| Dass sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dasy bail | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grac veri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grif devo | | | + | 1 | + | | | | 1 | 2 | 3 | 4 | 2 | | | | 3 | 3 | 3 | 3 | 1 | | | | | | + | + | | | |
| Lome clav | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Poly elon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Poly fuco | | | | | | | | | 1 | 2 | | | | | | | | | | | | | | | | 1 | | | | | |
| Poly harv | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | | | |
| Poly ngra | | | | | | | | | | | | | | | | | + | + | + | | | | | | | | | | | | |
| Poly stri | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pter plum | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clio cela | 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 |
| Hali bowe | + | 2 | 1 | 1 | + | | | | | | | | | | | | | + | + | + | + | + | + | | r | 1 | 2 | 2 | 2 | 2 | 2 |
| Hali pani | + | + | + | r | | | | | | | r | + | + | + | | | | | | | | | | | | | | | | | |
| Hall ocul | | | | | + | 1 | 1 | r | | | | | | | | | | + | 1 | 1 | 1 | 1 | 1 | 2 | | | | | | | |
| Hall xena | | r | | | | | | | | | | | | | | | | | | | | | | | | r | r | | | | |
| Hyme perl | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Myca micr | | | | | | | | | | | | + | + | + | + | | | | | | | | | | r | 1 | 2 | 2 | 2 | 2 | 2 |
| Aure auri | | | | | | | | | | | | | 1 | 2 | 2 | | | | 0 | 0 | 0 | 0 | 0 | | | | | + | 1 | 1 | 1 |
| Camp anul | + | + | + | + | + | + | | | | | | | | + | | | | | | | | | | | | | | | | | |
| Diad cinc | | | r | + | + | 1 | 1 | r | r | + | 1 | 1 | 1 | + | + | | | + | + | + | + | + | + | | + | 1 | 1 | 1 | + | | |
| Kirc pinn | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | |
| Metr seni | r | 1 | r | | | | | | | + | + | | | | | | | r | r | r | r | r | r | | | | | | + | + | + |
| Saga trog | 1 | + | | | | | | | | | | | | | | | + | | | | | | | | | | | | | | |
| Sago unda | + | + | + | r | r | r | r | r | | | | 1 | 1 | 1 | 1 | | r | + | + | + | + | + | + | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Amph figu | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cras giga | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Crep fom | 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 |
| Litt litt | 1 | + | | | | | | | 2 | | | | | | | | 1 | | | | | | | | 1 | | | | | | |
| Myti edul | 1 | | | | | | | | 2 | + | + | + | + | + | + | | 1 | 1 | + | + | + | + | r | | 2 | | | | | | |
| Onch bila | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | |
| Ostr edul | r | 1 | 2 | 3 | 3 | 2 | 2 | 2 | + | + | 1 | 1 | 2 | 2 | 2 | 1 | | r | + | + | + | + | + | | 1 | 1 | 1 | 1 | 1 | + | |
| Carc maen | 1 | + | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | | r | r | r | r | r | r | r |
| Cirripedi | 1 | 1 | 1 | 1 | 1 | 2 | 2 | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | + | + | + | + | + | + | + |

| jaar | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | ondergr. (m) |
| Bryo sp | 2 | 4 | 3 | 2 | | | | | 3 | 3 | 2 | 1 | | | | | 1 | 2 | 2 | 1 | | | | | 4 | 3 | 2 | | | | | Bryo sp |
| Chae linu | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Chae linu |
| Clad rupe | | | | | | | | | | | | | | | | | r | + | | | | | | | 1 | 1 | | | | | | Clad rupe |
| Clad sp | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | Clad sp |
| Codi frag | 2 | 2 | 1 | | | | | | 2 | 2 | 1 | | | | | | 2 | 1 | 1 | + | | | | | 3 | 3 | 1 | | | | | Codi frag |
| Codi frgy | 1 | 1 | | | | | | | | + | | | | | | | 1 | 1 | 1 | + | | | | | | | | | | | | Codi frgy |
| Ente sp | 2 | | | | | | | | + | | | | | | | | 1 | | | | | | | | | | | | | | | Ente sp |
| Ulva sp | 1 | 1 | | | | | | | 1 | + | + | + | + | | | | 2 | 1 | | | | | | | 2 | 1 | | | | | | Ulva sp |
| Dict dich | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Dict dich |
| Ecto carp | | | | | | | | | + | | | | | | | | 3 | 2 | | | | | | | 1 | | | | | | | Ecto carp |
| Sarg muti | 2 | 1 | | | | | | | 2 | 1 | + | | | | | | 3 | 2 | 1 | + | | | | | 3 | 2 | + | | | | | Sarg muti |
| Anti spir | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | + | | + | | | | | Anti spir |
| Anti tem | | | | | | | | | + | 2 | 2 | 2 | + | | | | | | | | | | | | | | | | | | | Anti tem |
| Anti vill | + | 1 | 1 | 2 | 3 | 2 | | | + | | | | | | | | 1 | | | | | | | | | | | | | | | Anti vill |
| Call byss | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | Call byss |
| Call cory | | | | | | | | | + | 1 | 1 | + | | | | | + | + | + | + | + | r | | | | | | | | | | Call cory |
| Call rose | 1 | 1 | 1 | 1 | 1 | | | | + | + | + | | | | | | 2 | 2 | + | + | | | | | | | | | | | | Call rose |
| Cera diap | 1 | 2 | 2 | 2 | | | | | r | | | | | | | | 1 | 1 | 2 | 2 | | | | | 3 | 1 | 1 | + | | | | Cera diap |
| Cera nodu | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | | | | Cera nodu |
| Chon cris | 3 | 1 | + | | | | | | 1 | + | | | | | | | 2 | 1 | r | | | | | | 1 | | | | | | | Chon cris |
| Dass sp | | | | | | | | | | | | | | | | | + | 1 | 2 | 1 | | | | | | + | + | + | | | | Dass sp |
| Dasy bail | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | Dasy bail |
| Grac veri | 2 | | | | | | | | + | + | | | | | | | | | | | | | | | r | | | | | | | Grac veri |
| Grif devo | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | + | 2 | 2 | 2 | | | | Grif devo |
| Lome clav | | | | | | | | | | | | | | | | | | | + | + | | | | | | + | + | | | | | Lome clav |
| Poly elon | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | Poly elon |
| Poly fuco | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | Poly fuco |
| Poly harv | + | 2 | 2 | 2 | 1 | | | | 2 | 1 | 1 | + | | | | | 2 | | | | | | | | 3 | + | 1 | | | | | Poly harv |
| Poly ngra | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Poly ngra |
| Poly stri | | | | | | | | | | | | | | | | | | | + | | | | | | | | | | | | | Poly stri |
| Pter plum | | | | | | | | | r | + | 1 | + | + | | | | + | + | 1 | 1 | + | | | | | | + | | | | | Pter plum |
| Clio cela | | | 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 | Clio cela |
| Hali bowe | | | 1 | 1 | + | | | | | + | 1 | 1 | 1 | + | | | 1 | 2 | 1 | 1 | 1 | 1 | + | | + | + | + | + | + | | | Hali bowe |
| Hali pani | | | | + | | | | | | + | + | | | | | | | | | | | | | | | | | | | | | Hali pani |
| Hall ocul | | | + | + | + | + | | | | | | | + | + | | | | | | + | + | + | + | | | | | | 1 | 1 | 1 | Hall ocul |
| Hall xena | | | | + | | | | | | | | r | r | r | | | | | | | | | | | | | | | | r | | Hall xena |
| Hyme perl | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | Hyme perl |
| Myca micr | | | + | + | | | | | | | | + | + | + | | | | | | | + | | | | + | + | + | + | + | | | Myca micr |
| Aure auri | | | | | | | 1 | 2 | 2 | | | | | | | | | | | r | r | r | | | | | | | | | + | Aure auri |
| Camp anul | | | | | | | | | | | | | | | + | + | | | | | | | + | | | | | | | + | 1 | Camp anul |
| Diad cinc | | + | + | 1 | + | + | | | | + | + | + | + | + | + | + | + | 1 | 1 | 2 | 1 | 1 | 1 | | | + | + | 1 | 1 | 1 | 2 | 2 | Diad cinc |
| Kirc pinn | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | Kirc pinn |
| Metr seni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Metr seni |
| Saga trog | + | | | | | | | | | | | | | | | | + | | | | | | | | + | + | | | | | | Saga trog |
| Sago unda | | | 1 | 1 | 1 | + | + | | | | | | | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | | + | + | + | + | + | + | + | 1 | Sago unda |
| Amph figu | | | | | | | | | r | | | | | | | | | 0 | 0 | 0 | 0 | | | | | | | | | | | Amph figu |
| Cras giga | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | Cras giga |
| Crep fom | 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 | | Crep fom |
| Litt litt | 1 | 1 | | | | | | | + | + | | | | | | | 1 | | | | | | | | + | | | | | | | Litt litt |
| Myti edul | 2 | | | | | | | | 1 | + | + | + | + | + | | | 1 | + | + | + | + | r | r | | 1 | | | | | | | Myti edul |
| Onch bila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Onch bila |
| Ostr edul | | | | + | + | | | | + | + | + | 1 | 1 | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | + | | 1 | 1 | 1 | 1 | 2 | 2 | 1 | Ostr edul |
| Carc maen | + | + | + | + | + | r | r | | + | + | + | + | + | + | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | Carc maen |
| Cirripedi | + | + | 2 | 2 | 2 | | | | | | | | | + | | | 1 | 1 | 1 | 1 | 1 | 1 | | | + | + | + | + | + | + | 1 | Cirripedi |

Tabel 3.2 Dreischor, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | ondergr. (m) |
| *Cran cran* | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | *Cran cran* |
| *Hemi lamo* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | *Hemi lamo* |
| *Lioc arcu* | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | | | | + | + | + | | | | | | + | + | + | + | + | + | + | | | | | | | | r | | | | | | | | | | *Lioc arcu* |
| *Lioc hols* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | *Lioc hols* |
| *Macr rost* | | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | *Macr rost* |
| *Pala adsp* | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | + | | | | | | | r | | + | + | + | + | + | + | | *Pala adsp* |
| *Pala eleg* | | | + | + | + | | | | | | | | r | | | | + | + | | | | | | | 1 | 1 | 1 | + | + | | | | + | 1 | 1 | + | + | + | + | | 2 | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | | | | | *Pala eleg* |
| *Prau flex* | | | | | | | | | 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 | | | | | | | *Prau flex* |
| *Phor hipp* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | *Phor hipp* |
| *Bugu plum* | + | 1 | 1 | 2 | 2 | 1 | 1 | + | 1 | 1 | 1 | 2 | 3 | 3 | 2 | 2 | + | 2 | 2 | 3 | 2 | 2 | 2 | | r | 1 | 1 | 1 | 1 | 1 | 1 | | | + | 1 | 1 | + | + | | + | 1 | 3 | 3 | 3 | 3 | 2 | + | | + | + | + | 1 | 1 | + | | 1 | 1 | 1 | 1 | 2 | 2 | 1 | *Bugu plum* |
| *Cono reti* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | *Cono reti* |
| *Aste rube* | r | r | r | r | | | | | 0 | 1 | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | r | r | r | r | r | r | r | | | + | + | + | | | | | | | | r | r | r | r | | + | + | | | | | | | | + | + | + | + | + | + | + | *Aste rube* |
| *Psam mili* | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | + | + | | | | | | | | | r | r | r | | | | | | | | | | | | | | | | | *Psam mili* |
| *Apli glab* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | 2 | + | | | | | | | + | + | | | | | | | | | | | | | | | *Apli glab* |
| *Asci aspe* | + | 1 | 2 | 2 | 2 | 2 | 1 | + | | 2 | 2 | 2 | 3 | 3 | 3 | | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | | + | 1 | 1 | + | | | + | 1 | 1 | 1 | 1 | 1 | + | + | + | + | 1 | 1 | 2 | 2 | 1 | + | 1 | 2 | 2 | 2 | 3 | 3 | 2 | *Asci aspe* |
| *Botr schl* | | | | | | | | | | r | r | + | 1 | 1 | 1 | | + | 1 | 1 | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | | + | + | + | + | | | *Botr schl* |
| *Cion inte* | 1 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | | + | + | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | + | | | + | + | + | 1 | 1 | 1 | | | | + | + | 1 | 1 | 2 | 2 | 1 | + | | + | 1 | 1 | 1 | 1 | *Cion inte* |
| *Stye clav* | | + | 1 | 1 | 1 | 1 | 1 | + | r | r | + | + | + | + | + | + | | 1 | + | + | + | + | + | | + | + | + | + | + | + | + | | | | | | + | | | | | + | + | + | + | | | | + | + | + | + | + | + | + | | + | + | 1 | 1 | 1 | + | *Stye clav* |
| *Angu angu* | | | | | | | | | | | | | | | | | | | + | + | + | + | + | | + | + | + | + | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | r | *Angu angu* |
| *Gobi nige* | r | + | + | + | + | + | + | + | r | r | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | + | | + | 1 | 1 | + | + | | | | | | + | + | + | + | + | | + | 1 | 1 | 1 | 1 | 1 | + | + | + | + | + | + | 1 | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | + | *Gobi nige* |
| *Myox scor* | | | | | | | | r | | | | r | | r | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Myox scor* |
| *Poma micr* | | | | | | | | | | | | | | | | | | | | | | | | | 0 | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Poma micr* |
| *Poma minu* | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | + | | | *Poma minu* |
| *Poma pict* | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Poma pict* |
| *Poma sp* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | + | *Poma sp* |
| *Syng rost* | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Syng rost* |
| *Zoar vivi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | *Zoar vivi* |
| n soorten | 29 | 28 | 26 | 23 | 19 | 14 | 13 | 14 | 25 | 26 | 22 | 24 | 23 | 21 | 19 | 11 | 26 | 27 | 24 | 23 | 20 | 19 | 17 | 1 | 30 | 29 | 28 | 26 | 20 | 17 | 15 | | 21 | 23 | 24 | 26 | 21 | 12 | 6 | 2 | 31 | 29 | 25 | 24 | 25 | 23 | 14 | 12 | 40 | 35 | 31 | 31 | 22 | 19 | 20 | 8 | 35 | 34 | 30 | 22 | 18 | 18 | 15 | 9 | n soorten |
| *Zost mari* | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Zost mari* |
| *Aren mari* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | + | | | | | | | | | + | | | | | | | *Aren mari* |
| *Aphi minu* | | | | | | | | | | | | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Aphi minu* |
| *Athe pres* | + | + | | | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | *Athe pres* |
| *Pleu fles* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | *Pleu fles* |
| *Pleu plat* | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Pleu plat* |
| *Leuc vari* | | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | | *Leuc vari* |
| *Pros epip* | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | *Pros epip* |
| *Scyp sp* | x | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | *Scyp sp* |
| *Kefe cirr* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Kefe cirr* |
| *Plat dum* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | *Plat dum* |
| *Pold sp* | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | | *Pold sp* |
| *Poly noid* | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Poly noid* |
| *Hini reti* | x | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | *Hini reti* |
| *Lepi cine* | | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | *Lepi cine* |
| *Vene sene* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | *Vene sene* |
| *Coro insi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Coro insi* |
| *Coro sext* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | *Coro sext* |
| *Micr gryl* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Micr gryl* |
| *Cryp pall* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | *Cryp pall* |
| *Scru scru* | x | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | | *Scru scru* |
| *Bowe grac* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | *Bowe grac* |
| *Dend gros* | x | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Dend gros* |

Tabel 3.3 Zijpe, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 25 |
| *Bryo sp* | + | + | | | | | | |
| *Clad rupe* | + | | | | | | | |
| *Ulva sp* | 2 | 1 | | | | | | |
| *Dict dich* | | | | | | | | |
| *Ecto carp* | + | + | | | | | | |
| *Pela fasc* | | | | | | | | |
| *Sarg muti* | | | | | | | | |
| *Anti spir* | | | | | | | | |
| *Anti vill* | | | | | | | | |
| *Call rose* | + | 1 | 1 | | | | | |
| *Cera desl* | | | | | | | | |
| *Cera diap* | | | | | | | | |
| *Cera nodu* | + | + | | | | | | |
| *Choa dasy* | | | | | | | | |
| *Chon cris* | 1 | | | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac verr* | | | | | | | | |
| *Hypo hypo* | + | 2 | 1 | | | | | |
| *Lome clav* | | | | | | | | |
| *Phym lenio* | | | | | | | | |
| *Poly deru* | 1 | 1 | + | | | | | |
| *Poly elon* | + | 1 | + | | | | | |
| *Poly fuco* | 2 | 1 | + | | | | | |
| *Poly harv* | | | | | | | | |
| *Poly ngra* | | | | | | | | |
| *Poly stri* | | | | | | | | |
| *Pler plum* | 1 | 1 | 2 | | | | | |
| *Clio cela* | 0 | 0 | 0 | 0 | 0 | 0 | | |
| *Hali bowe* | | + | + | + | + | + | + | + |
| *Hali pani* | r | + | + | + | + | + | + | + |
| *Hall ocul* | + | + | + | + | r | r | r | r |
| *Hall xena* | 1 | 2 | 2 | 1 | + | + | | |
| *Myca micr* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Aure auri* | | | | | | | | |
| *Camp anul* | + | 1 | 1 | 1 | 1 | 1 | + | r |
| *Diad cinc* | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 2 |
| *Metr seni* | 1 | 2 | 1 | + | + | + | + | + |
| *Saga trog* | 1 | 1 | + | + | + | + | | |
| *Sago unda* | 1 | 1 | 1 | + | + | + | + | 1 |
| *Sert cupr* | | + | + | + | | | | |
| *Tubu indi* | | r | r | r | r | r | r | |
| *Tubu lary* | | | | | | | | |
| *Aell glau* | | | | | | | | |
| *Aeol papi* | | | | | | | | |
| *Cras giga* | 3 | 4 | 5 | 4 | 3 | 1 | | |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | | |
| *Litt litt* | 2 | 1 | + | | | | | |
| *Myti edul* | 3 | 2 | 1 | 1 | + | + | + | + |
| *Ostr edul* | | | | | | | | |
| *Canc pagu* | | | | | | | | |
| *Carc maen* | 1 | 1 | + | + | + | + | + | + |
| *Cirr iped* | + | + | + | | | | | |
| *Hemi lamo* | | | | | | | | |
| *Hipp vari* | | | | | | | | |
| *Homa gamm* | | | | | | | | |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | | | | | | | | |
| *Lioc hols* | | | | | | | | |
| *Macr parv* | | | | | | | | |
| *Macr rost* | 1 | 1 | 1 | 1 | 1 | + | + | + |
| *Neco pube* | | | | | | | | |
| *Pagu bern* | | | | | | | | |
| *Pala adsp* | | | | | | | | |
| *Pala eleg* | | | | | | | | |
| *Pala serr* | | | | | | | | |
| *Pilu hirt* | | | | | | | | |
| *Prau flex* | | | | | | | | |

| jaar | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 25 |
| *Bryo sp* | | | | | | | | |
| *Clad rupe* | | | | | | | | |
| *Ulva sp* | | | | | | | | |
| *Dict dich* | | | | | | | | |
| *Ecto carp* | | | | | | | | |
| *Pela fasc* | | | | | | | | |
| *Sarg muti* | | | | | | | | |
| *Anti spir* | | | | | | | | |
| *Anti vill* | | + | + | | | | | |
| *Call rose* | | | | | | | | |
| *Cera desl* | | | | | | | | |
| *Cera diap* | | | | | | | | |
| *Cera nodu* | + | + | + | | | | | |
| *Choa dasy* | | | | | | | | |
| *Chon cris* | + | | | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac verr* | | | | | | | | |
| *Hypo hypo* | + | + | + | | | | | |
| *Lome clav* | | | | | | | | |
| *Phym lenio* | | | | | | | | |
| *Poly deru* | | | | | | | | |
| *Poly elon* | | | | | | | | |
| *Poly fuco* | + | + | | | | | | |
| *Poly harv* | | | | | | | | |
| *Poly ngra* | | | | | | | | |
| *Poly stri* | | + | | | | | | |
| *Pler plum* | | | | | | | | |
| *Clio cela* | | | | | | | | |
| *Hali bowe* | | | | + | | | | |
| *Hali pani* | + | + | + | + | + | + | + | + |
| *Hall ocul* | | + | + | + | + | + | + | |
| *Hall xena* | | + | + | + | + | + | | |
| *Myca micr* | | | | | | | | |
| *Aure auri* | | | | | | | | |
| *Camp anul* | | | | | | | | |
| *Diad cinc* | + | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| *Metr seni* | | + | + | + | + | + | + | |
| *Saga trog* | 2 | 2 | 2 | 2 | 1 | 1 | 1 | r |
| *Sago unda* | + | 1 | 1 | 1 | 1 | 1 | + | r |
| *Sert cupr* | + | + | + | | | | | |
| *Tubu indi* | | | + | + | + | + | + | |
| *Tubu lary* | | | | | | | | |
| *Aell glau* | | | | | | | | |
| *Aeol papi* | + | 1 | 1 | 1 | 1 | 1 | + | |
| *Cras giga* | 2 | 4 | 5 | 5 | 5 | 4 | 4 | 1 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | | |
| *Litt litt* | 1 | + | + | | | | | |
| *Myti edul* | 3 | + | + | + | + | + | + | |
| *Ostr edul* | | | | | | | | |
| *Canc pagu* | | r | | | | | | |
| *Carc maen* | 1 | 1 | 1 | + | + | + | + | + |
| *Cirr iped* | 2 | + | + | + | + | + | r | r |
| *Hemi lamo* | | | | | | | | |
| *Hipp vari* | | | | | | | | |
| *Homa gamm* | | | | | | | | |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | | | | | | | | |
| *Lioc hols* | | | | | | | | |
| *Macr parv* | | | | | | | | |
| *Macr rost* | r | r | r | r | | | | |
| *Neco pube* | | | | | | | | |
| *Pagu bern* | r | r | r | r | | | | |
| *Pala adsp* | | | | | | | | |
| *Pala eleg* | | | | | | | | |
| *Pala serr* | | | | | | | | |
| *Pilu hirt* | | | | | | | | |
| *Prau flex* | | | | | | | | |

| jaar | 91 | 91 | 91 | 91 | 91 | 91 | 91 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | 2 | 2 | 1 | + | | | |
| *Clad rupe* | | | | | | | |
| *Ulva sp* | + | 2 | 2 | | | | |
| *Dict dich* | | | | | | | |
| *Ecto carp* | 1 | + | | | | | |
| *Pela fasc* | | | | | | | |
| *Sarg muti* | | | | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | 1 | 1 | 1 | + | | | |
| *Call rose* | | | | | | | |
| *Cera desl* | | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera nodu* | | | | | | | |
| *Choa dasy* | | | | | | | |
| *Chon cris* | 2 | + | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac verr* | | | | | | | |
| *Hypo hypo* | + | + | + | + | | | |
| *Lome clav* | | | | | | | |
| *Phym lenio* | | | | | | | |
| *Poly deru* | | | | | | | |
| *Poly elon* | | | | | | | |
| *Poly fuco* | + | | | | | | |
| *Poly harv* | | | | | | | |
| *Poly ngra* | + | + | + | | | | |
| *Poly stri* | | | | | | | |
| *Pler plum* | 1 | 1 | 1 | + | | | |
| *Clio cela* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Hali bowe* | | | | | | | |
| *Hali pani* | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Hall ocul* | | + | + | + | + | + | + |
| *Hall xena* | | | | | | | |
| *Myca micr* | 0 | 0 | + | 0 | + | | |
| *Aure auri* | | | | | | | |
| *Camp anul* | | | | | | | |
| *Diad cinc* | + | + | 1 | 1 | 1 | 1 | + |
| *Metr seni* | + | + | + | + | | | |
| *Saga trog* | 2 | 2 | 2 | 1 | + | | |
| *Sago unda* | 1 | 2 | 1 | 1 | | | |
| *Sert cupr* | | | | | + | | |
| *Tubu indi* | | | | | | | |
| *Tubu lary* | | | | | | | |
| *Aell glau* | | | | | | | |
| *Aeol papi* | | | | | | | |
| *Cras giga* | 1 | 2 | 3 | 3 | 3 | 3 | 3 |
| *Crep forn* | | | | | | | |
| *Elys viri* | | | | | | | |
| *Litt litt* | 1 | 1 | + | + | + | | |
| *Myti edul* | 3 | + | | | | | |
| *Ostr edul* | | | | | | | |
| *Canc pagu* | | | | | r | | |
| *Carc maen* | + | + | + | + | + | + | + |
| *Cirr iped* | 1 | 1 | + | + | 1 | 1 | 1 |
| *Hemi lamo* | | | | | | | |
| *Hipp vari* | | | | | | | |
| *Homa gamm* | | | | | | r | |
| *Hyas aran* | | | | | | | |
| *Lioc arcu* | | | | | | | |
| *Lioc hols* | | | | | | | |
| *Macr parv* | | | | | | | |
| *Macr rost* | r | + | + | + | + | + | + |
| *Neco pube* | | | | | | | |
| *Pagu bern* | | | | | r | | |
| *Pala adsp* | | | | | | | |
| *Pala eleg* | | | | | | | |
| *Pala serr* | | | | | | | |
| *Pilu hirt* | | | | | | | |
| *Prau flex* | | 0 | 0 | 0 | 0 | | |

| jaar | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | 1 | 2 | + | + | | | |
| *Clad rupe* | | | | | | | |
| *Ulva sp* | 2 | 1 | | | | | |
| *Dict dich* | | | | | | | |
| *Ecto carp* | | | | | | | |
| *Pela fasc* | | | | | | | |
| *Sarg muti* | 2 | 1 | + | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | 1 | 2 | 2 | 1 | | | |
| *Call rose* | | | | | | | |
| *Cera desl* | | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera nodu* | + | + | | | | | |
| *Choa dasy* | | | | | | | |
| *Chon cris* | 1 | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac verr* | + | | | | | | |
| *Hypo hypo* | + | | | | | | |
| *Lome clav* | | | | | | | |
| *Phym lenio* | | | | | | | |
| *Poly deru* | | | | | | | |
| *Poly elon* | | | | | | | |
| *Poly fuco* | + | | | | | | |
| *Poly harv* | + | | | | | | |
| *Poly ngra* | | | | | | | |
| *Poly stri* | + | | | | | | |
| *Pler plum* | 1 | 2 | 2 | + | | | |
| *Clio cela* | | 0 | 0 | 0 | 0 | 0 | 0 |
| *Hali bowe* | + | + | + | + | + | + | + |
| *Hali pani* | | | | + | + | + | + |
| *Hall ocul* | + | + | + | + | + | + | + |
| *Hall xena* | | | | | | | |
| *Myca micr* | + | + | + | + | + | + | + |
| *Aure auri* | | | | | | | |
| *Camp anul* | + | + | + | + | + | + | |
| *Diad cinc* | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Metr seni* | | + | + | + | + | + | |
| *Saga trog* | 1 | 1 | + | | | | |
| *Sago unda* | | | + | | | | r |
| *Sert cupr* | | | | | + | | |
| *Tubu indi* | | | | | | | |
| *Tubu lary* | | | | | | | |
| *Aell glau* | | | | | | | |
| *Aeol papi* | | | | | | | |
| *Cras giga* | 3 | 5 | 4 | 4 | 4 | 4 | 4 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | |
| *Litt litt* | 1 | r | r | r | r | r | r |
| *Myti edul* | 1 | + | + | | | | |
| *Ostr edul* | | | | | | | |
| *Canc pagu* | | r | r | r | r | r | r |
| *Carc maen* | + | + | + | + | + | + | + |
| *Cirr iped* | | | | | | | |
| *Hemi lamo* | | 0 | | 0 | | | |
| *Hipp vari* | | | | | | | |
| *Homa gamm* | | | | r | | | |
| *Hyas aran* | | + | + | | | | |
| *Lioc arcu* | | | | | | | |
| *Lioc hols* | | | | | | | |
| *Macr parv* | | | | | | | |
| *Macr rost* | 1 | 1 | + | + | + | + | + |
| *Neco pube* | | | | | | | |
| *Pagu bern* | | | | | | r | |
| *Pala adsp* | | | | | | | |
| *Pala eleg* | | | | | | | |
| *Pala serr* | + | | | | | | |
| *Pilu hirt* | | | | | | | |
| *Prau flex* | | | 0 | | | | |

| jaar | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Bryo sp* | + | 1 | + | + | | | | |
| *Clad rupe* | | | | | | | | |
| *Ulva sp* | | + | + | + | | | | |
| *Dict dich* | + | + | | | | | | |
| *Ecto carp* | | | | | | | | |
| *Pela fasc* | | | | | | | | |
| *Sarg muti* | | + | + | | | | | |
| *Anti spir* | | | | | | | | |
| *Anti vill* | | | | | | | | |
| *Call rose* | | + | + | | | | | |
| *Cera desl* | | | | | | | | |
| *Cera diap* | | | + | | | | | |
| *Cera nodu* | | | | | | | | |
| *Choa dasy* | | | | | | | | |
| *Chon cris* | 1 | + | | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac verr* | | | | | | | | |
| *Hypo hypo* | | + | + | + | | | | |
| *Lome clav* | + | + | | | | | | |
| *Phym lenio* | | | | | | | | |
| *Poly deru* | | | | | | | | |
| *Poly elon* | | + | + | | | | | |
| *Poly fuco* | | + | | | | | | |
| *Poly harv* | + | + | | | | | | |
| *Poly ngra* | | | | | | | | |
| *Poly stri* | | | | | | | | |
| *Pler plum* | | + | 1 | + | | | | |
| *Clio cela* | | | 0 | 0 | 0 | 0 | 0 | |
| *Hali bowe* | | | + | + | + | + | | |
| *Hali pani* | | | | | | r | | |
| *Hall ocul* | | | | r | | r | | |
| *Hall xena* | | + | + | + | + | + | | |
| *Myca micr* | | | | + | + | + | + | |
| *Aure auri* | | | | | | | | |
| *Camp anul* | | | + | + | + | + | | |
| *Diad cinc* | | | + | + | + | 1 | 1 | + |
| *Metr seni* | | + | + | + | + | | | |
| *Saga trog* | + | + | + | + | | | | |
| *Sago unda* | + | + | | | | | | |
| *Sert cupr* | | | | | | | | |
| *Tubu indi* | | | | | | | | |
| *Tubu lary* | | | | | | | | |
| *Aell glau* | | | r | | | | | |
| *Aeol papi* | | | | | | | | |
| *Cras giga* | 2 | 3 | 3 | 4 | 3 | 3 | 2 | 1 |
| *Crep forn* | | 0 | 0 | 0 | 0 | 0 | 0 | |
| *Elys viri* | | | | | | | | |
| *Litt litt* | 2 | 1 | | | | | | |
| *Myti edul* | 2 | 1 | + | + | | | | |
| *Ostr edul* | | | | | | | | |
| *Canc pagu* | | | | + | | | | |
| *Carc maen* | | + | + | + | + | + | + | |
| *Cirr iped* | 2 | 1 | + | + | + | | | |
| *Hemi lamo* | | | r | | | | | |
| *Hipp vari* | | | | | | | | |
| *Homa gamm* | | | | + | + | | | |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | | | + | + | + | + | + | |
| *Lioc hols* | | | | | | | | |
| *Macr parv* | | | + | + | + | + | + | |
| *Macr rost* | | | | | | | | |
| *Neco pube* | | | | | | | | |
| *Pagu bern* | | | r | | | | | |
| *Pala adsp* | | | | r | | | | |
| *Pala eleg* | | + | + | + | | | | |
| *Pala serr* | | | | | | | | |
| *Pilu hirt* | | | | | | | | |
| *Prau flex* | | | | | | | | |

| jaar | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Bryo sp* | + | + | + | | | | | |
| *Clad rupe* | | | | | | | | |
| *Ulva sp* | + | + | + | | | | | |
| *Dict dich* | | r | | | | | | |
| *Ecto carp* | | | | | | | | |
| *Pela fasc* | | | | | | | | |
| *Sarg muti* | + | + | + | | | | | |
| *Anti spir* | | + | + | + | | | | |
| *Anti vill* | | | | | | | | |
| *Call rose* | | | | | | | | |
| *Cera desl* | | 1 | + | | | | | |
| *Cera diap* | | | | | | | | |
| *Cera nodu* | | | | | | | | |
| *Choa dasy* | r | | | | | | | |
| *Chon cris* | 2 | 1 | + | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac verr* | | | | | | | | |
| *Hypo hypo* | | + | + | + | | | | |
| *Lome clav* | | + | + | | | | | |
| *Phym lenio* | | | | | | | | |
| *Poly deru* | | | | | | | | |
| *Poly elon* | | + | | | | | | |
| *Poly fuco* | | + | + | | | | | |
| *Poly harv* | + | 1 | + | | | | | |
| *Poly ngra* | | | | | | | | |
| *Poly stri* | | | | | | | | |
| *Pler plum* | | | + | + | | | | |
| *Clio cela* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Hali bowe* | | | + | 1 | 1 | 1 | 1 | 1 |
| *Hali pani* | | | | | | | | |
| *Hall ocul* | | | | | + | + | + | + |
| *Hall xena* | | | | | r | | | |
| *Myca micr* | | | | | + | + | + | |
| *Aure auri* | | | | | | | | |
| *Camp anul* | | | + | 1 | + | + | + | + |
| *Diad cinc* | | | | + | 1 | 2 | 2 | 2 |
| *Metr seni* | | | | | | | | |
| *Saga trog* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Sago unda* | | 1 | 1 | 1 | + | + | | |
| *Sert cupr* | | | | | | | | |
| *Tubu indi* | | | | | | | | |
| *Tubu lary* | | | | | | | + | + |
| *Aell glau* | | | | | | | | |
| *Aeol papi* | | | | | | | | |
| *Cras giga* | 2 | 2 | 2 | 2 | 3 | 2 | 1 | 1 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | 1 | + | + | + | | | r | r |
| *Litt litt* | 2 | | | | | | | |
| *Myti edul* | 3 | | | | | | | |
| *Ostr edul* | | | + | + | + | | | |
| *Canc pagu* | | | r | r | r | r | r | r |
| *Carc maen* | + | + | + | + | + | + | + | + |
| *Cirr iped* | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| *Hemi lamo* | | | + | | | | | |
| *Hipp vari* | | | | | r | r | r | |
| *Homa gamm* | | | r | | | | | |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | | | + | + | + | + | + | + |
| *Lioc hols* | | | | | | | r | r |
| *Macr parv* | | | | | | | | |
| *Macr rost* | | | | | | | | |
| *Neco pube* | | | r | r | r | r | | |
| *Pagu bern* | + | + | | | | | | |
| *Pala adsp* | | | | | | r | | |
| *Pala eleg* | | + | + | + | | | | |
| *Pala serr* | | | | | | | | |
| *Pilu hirt* | | | r | | | r | r | |
| *Prau flex* | | | | | 0 | 0 | 0 | |

| jaar | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Bryo sp* | + | 2 | 3 | + | | | | |
| *Clad rupe* | | | | | | | | |
| *Ulva sp* | 1 | + | | | | | | |
| *Dict dich* | 1 | 1 | + | | | | | |
| *Ecto carp* | + | + | | | | | | |
| *Pela fasc* | r | | | | | | | |
| *Sarg muti* | 1 | 1 | + | | | | | |
| *Anti spir* | r | r | | | | | | |
| *Anti vill* | | | | | | | | |
| *Call rose* | | | | | | | | |
| *Cera desl* | | | | | | | | |
| *Cera diap* | + | 2 | 2 | 1 | + | | | |
| *Cera nodu* | | | | | | | | |
| *Choa dasy* | | | | | | | | |
| *Chon cris* | 2 | 1 | + | | | | | |
| *Dumo cont* | 1 | + | | | | | | |
| *Grac verr* | | | | | | | | |
| *Hypo hypo* | + | 1 | 1 | + | + | | | |
| *Lome clav* | 1 | 2 | 1 | + | | | | |
| *Phym lenio* | 1 | + | | | | | | |
| *Poly deru* | | | | | | | | |
| *Poly elon* | | r | | | | | | |
| *Poly fuco* | | + | + | | | | | |
| *Poly harv* | + | 1 | + | | | | | |
| *Poly ngra* | r | r | | | | | | |
| *Poly stri* | | | | | | | | |
| *Pler plum* | | + | 1 | + | + | | | |
| *Clio cela* | | | 0 | 0 | 0 | | | |
| *Hali bowe* | | + | | | | | | |
| *Hali pani* | | | | | | | | |
| *Hall ocul* | | + | + | + | + | + | + | + |
| *Hall xena* | | | | | | | | |
| *Myca micr* | | | | | | r | | |
| *Aure auri* | | | | | | | + | |
| *Camp anul* | | | + | + | + | + | + | + |
| *Diad cinc* | | | + | 1 | 1 | 1 | 2 | 1 |
| *Metr seni* | + | 1 | 1 | 1 | + | + | | |
| *Saga trog* | | + | 1 | + | | | | |
| *Sago unda* | + | 1 | 1 | | | | | |
| *Sert cupr* | | | | | | | | |
| *Tubu indi* | | | | | | | | |
| *Tubu lary* | | | | | | + | + | |
| *Aell glau* | | | | | | | | |
| *Aeol papi* | | | | | | | | |
| *Cras giga* | 2 | 3 | 4 | 4 | 3 | 3 | 2 | 1 |
| *Crep forn* | 0 | 0 | | | | | | |
| *Elys viri* | | | | | | | | |
| *Litt litt* | 1 | + | + | + | | | | |
| *Myti edul* | 2 | + | + | | | | | |
| *Ostr edul* | | | | | | | | |
| *Canc pagu* | | | | + | + | | | |
| *Carc maen* | + | + | + | + | + | + | + | + |
| *Cirr iped* | 2 | 1 | + | + | + | + | + | + |
| *Hemi lamo* | | | 0 | | | | | |
| *Hipp vari* | | | | | | | | |
| *Homa gamm* | | | | | | | | |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | | | | | | | | |
| *Lioc hols* | | | | | | | r | |
| *Macr parv* | | | | | | | | |
| *Macr rost* | | | | | | | | |
| *Neco pube* | | | | | | | | |
| *Pagu bern* | | | | | | | | |
| *Pala adsp* | | + | + | | | | | |
| *Pala eleg* | | | | | | | | |
| *Pala serr* | | | | | | | | |
| *Pilu hirt* | | | | | | | | |
| *Prau flex* | 0 | | | | | | | |

| jaar | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Bryo sp* | 3 | 4 | 3 | + | | | | |
| *Clad rupe* | | | | | | | | |
| *Ulva sp* | 1 | 1 | | | | | | |
| *Dict dich* | 2 | + | | | | | | |
| *Ecto carp* | | | | | | | | |
| *Pela fasc* | | | | | | | | |
| *Sarg muti* | r | r | r | | | | | |
| *Anti spir* | | | | | | | | |
| *Anti vill* | | | | | | | | |
| *Call rose* | | | | | | | | |
| *Cera desl* | | | | | | | | |
| *Cera diap* | 1 | 1 | 1 | 1 | | | | |
| *Cera nodu* | + | + | r | | | | | |
| *Choa dasy* | | | | | | | | |
| *Chon cris* | 3 | | | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac verr* | | | | | | | | |
| *Hypo hypo* | r | 1 | 1 | 1 | | | | |
| *Lome clav* | + | + | 1 | | | | | |
| *Phym lenio* | | | | | | | | |
| *Poly deru* | | | | | | | | |
| *Poly elon* | | | | | | | | |
| *Poly fuco* | r | r | r | | | | | |
| *Poly harv* | + | + | + | + | | | | |
| *Poly ngra* | | | | | | | | |
| *Poly stri* | | | | | | | | |
| *Pler plum* | | | | + | | | | |
| *Clio cela* | | | | + | + | + | | |
| *Hali bowe* | | | | | | r | r | |
| *Hali pani* | | | | | | | | |
| *Hall ocul* | | | | | | r | r | r |
| *Hall xena* | | | | | | r | | |
| *Myca micr* | | | | | | | | |
| *Aure auri* | | | | | | | | |
| *Camp anul* | | | | + | + | + | + | |
| *Diad cinc* | | | | | 1 | 1 | 2 | 2 |
| *Metr seni* | + | 1 | 1 | 1 | 1 | + | | |
| *Saga trog* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Sago unda* | | + | 1 | 1 | + | + | + | + |
| *Sert cupr* | | | | | | | | |
| *Tubu indi* | | | | | | | | |
| *Tubu lary* | | | | | | | | |
| *Aell glau* | | | | | | | | |
| *Aeol papi* | | | | | | | | |
| *Cras giga* | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | | |
| *Litt litt* | 1 | | | | | | | |
| *Myti edul* | 1 | 1 | | | | | | |
| *Ostr edul* | | | | | | | | |
| *Canc pagu* | | | | | | | | |
| *Carc maen* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Cirr iped* | 1 | + | + | + | + | | | |
| *Hemi lamo* | | | | | | | | |
| *Hipp vari* | | | | | | | | |
| *Homa gamm* | | r | | r | | | | |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | | | | | | | | |
| *Lioc hols* | | | | | | r | | |
| *Macr parv* | | | | | | | | |
| *Macr rost* | | | | | + | + | + | |
| *Neco pube* | | | | | | | | |
| *Pagu bern* | | r | r | | | | | |
| *Pala adsp* | | | | | | | | |
| *Pala eleg* | | | | | | | | |
| *Pala serr* | | | | | | | | |
| *Pilu hirt* | | | | | | | | |
| *Prau flex* | | | | | | + | | |

| jaar | |
|---|---|
| ondergr. (m) | |
| *Bryo sp* | |
| *Clad rupe* | |
| *Ulva sp* | |
| *Dict dich* | |
| *Ecto carp* | |
| *Pela fasc* | |
| *Sarg muti* | |
| *Anti spir* | |
| *Anti vill* | |
| *Call rose* | |
| *Cera desl* | |
| *Cera diap* | |
| *Cera nodu* | |
| *Choa dasy* | |
| *Chon cris* | |
| *Dumo cont* | |
| *Grac verr* | |
| *Hypo hypo* | |
| *Lome clav* | |
| *Phym lenio* | |
| *Poly deru* | |
| *Poly elon* | |
| *Poly fuco* | |
| *Poly harv* | |
| *Poly ngra* | |
| *Poly stri* | |
| *Pler plum* | |
| *Clio cela* | |
| *Hali bowe* | |
| *Hali pani* | |
| *Hall ocul* | |
| *Hall xena* | |
| *Myca micr* | |
| *Aure auri* | |
| *Camp anul* | |
| *Diad cinc* | |
| *Metr seni* | |
| *Saga trog* | |
| *Sago unda* | |
| *Sert cupr* | |
| *Tubu indi* | |
| *Tubu lary* | |
| *Aell glau* | |
| *Aeol papi* | |
| *Cras giga* | |
| *Crep forn* | |
| *Elys viri* | |
| *Litt litt* | |
| *Myti edul* | |
| *Ostr edul* | |
| *Canc pagu* | |
| *Carc maen* | |
| *Cirr iped* | |
| *Hemi lamo* | |
| *Hipp vari* | |
| *Homa gamm* | |
| *Hyas aran* | |
| *Lioc arcu* | |
| *Lioc hols* | |
| *Macr parv* | |
| *Macr rost* | |
| *Neco pube* | |
| *Pagu bern* | |
| *Pala adsp* | |
| *Pala eleg* | |
| *Pala serr* | |
| *Pilu hirt* | |
| *Prau flex* | |

Tabel 3.3 Zijpe, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 25 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Thor cran* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Bugu plum* | 1 | 2 | 1 | + | r | r | | | | | | | | | | | | | | | | | | | | | | | |
| *Elec pilo* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Aste rube* | + | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | + | + | + | + | + | + |
| *Ophi frag* | 1 | 3 | 3 | 3 | 3 | 3 | 3 | | 4 | 3 | 3 | 3 | 3 | 3 | 3 | | r | r | r | r | r | | 1 | 3 | 3 | 2 | 2 | 1 | 1 |
| *Psam mili* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Apli glab* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | r | r | r | r | | | | | | | | | | | | | | r | | |
| *Asci aspe* | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | + | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Botr schl* | r | r | r | r | | | | | | | | | | | | | + | + | + | | | | | r | r | r | r | | |
| *Cion inte* | + | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | + | 1 | 1 | 2 | 2 | 3 | 3 | 3 | + | + | + | + | + | + |
| *Dide macu* | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | r | |
| *Dipl list* | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | |
| *Stye clav* | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 | 2 | 2 | 2 | | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Angu angu* | | + | | | | | | | | | | | | | | | | | | | | r | | | | | | | |
| *Calo lyra* | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | r | r | r | r | r |
| *Enop buba* | | | | | | | | | | | | | | | | | | | | | | | | | r | r | r | r | r |
| *Gobi nige* | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | | + | 1 | 1 | 1 | 1 | 1 | 1 | r | r | r | r | | |
| *Myox scor* | | | | | | | | | r | r | r | r | r | | | | | | | | | | | | | | | | |
| *Phol gunn* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Poma micr* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Poma minu* | | | | | | | | | | + | + | + | + | + | + | + | | + | + | + | + | + | + | | | | r | | |
| *Poma pict* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Poma sp* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Syng acus* | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | |
| *Tris lusc* | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Zoar vivi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| n soorten | 38 | 40 | 36 | 27 | 25 | 25 | 20 | 17 | 24 | 34 | 31 | 27 | 24 | 22 | 21 | 13 | 28 | 31 | 28 | 25 | 22 | 16 | 14 | 31 | 33 | 32 | 30 | 24 | 22 | 20 |
| *Cyan ophy* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Diat omee* | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Lani conc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Gamm koke* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Ophu ophi* | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | |
| *Athe pres* | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Clup hare* | | | | | | | | | | | | | | | | | | | | | | | | 0 | 0 | 0 | | | |
| *Lima lima* | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | |
| *Pleu plat* | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | |
| *Leuc vari* | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | |
| *Pros epip* | x | | | | | | | | x | | | | | | | | x | | | | | | | x | | | | | |
| *Scyp sp* | x | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | |
| *Amph figu* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Eumi sang* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Flab affi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Harm imbr* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Harm impa* | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | |
| *Kefe cirr* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Leps squa* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Plan dume* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Phlo minu* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Pold sp* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Poln oida* | x | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | |
| *Stel boa* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Goni cast* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Lepi cine* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Vene sene* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Aora typi* | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | |
| *Capr elli* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Capr line* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Coro insi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Coro sext* | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | |
| *Phth mari* | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | |
| *Pisi long* | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | |
| *Sten mari* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| jaar | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Thor cran* | | | | | | | | | | r | | | | r | | | | | | | r | | | | | | | | |
| *Bugu plum* | | + | | | | | | | | | | | | | | | | | | | | | | | + | 1 | | | |
| *Elec pilo* | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | |
| *Aste rube* | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | + | | | | | + | + | + | + | + | + | + | + |
| *Ophi frag* | | 2 | 3 | 3 | 3 | 2 | 1 | r | 1 | 1 | 1 | 2 | 2 | 2 | | | | | | | | | | | | | r | | |
| *Psam mili* | | r | | | | | | | | | | | | r | r | | | r | r | r | r | | | | r | r | r | r | |
| *Apli glab* | | r | | | | | | | 2 | 2 | 1 | + | + | + | | r | | | | | | | + | 1 | + | | | | |
| *Asci aspe* | | | 1 | 1 | 1 | + | + | | | + | 1 | 1 | 2 | 2 | 1 | + | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | | | | |
| *Botr schl* | | + | | | | | | | 1 | 1 | | | | | | | | + | + | | | | r | r | r | r | | | |
| *Cion inte* | | | + | + | + | + | + | | | + | + | 1 | 1 | + | + | 2 | 2 | 3 | 3 | 3 | 3 | 3 | + | 1 | 2 | 2 | 2 | 2 | 1 |
| *Dide macu* | | 3 | 4 | 3 | 2 | 2 | 1 | + | 4 | 4 | 3 | 3 | 2 | 2 | 1 | + | 3 | 4 | 4 | 4 | 3 | 2 | 2 | 1 | 3 | 4 | 4 | 4 | 4 | 4 | 3 | 2 |
| *Dipl list* | | r | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | |
| *Stye clav* | | + | + | + | + | + | | | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | | | + | 1 | 2 | 2 | 2 | 2 | 2 | 1 |
| *Angu angu* | | | | | | | | | | | | | | | | | | | r | r | | | | | | | | | |
| *Calo lyra* | | | | + | + | + | | | | | | | | | | | | | | | | | | | | | | | |
| *Enop buba* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Gobi nige* | | | + | + | + | + | | | | 1 | 1 | 1 | 1 | + | | | + | + | + | + | + | + | r | r | r | r | | | |
| *Myox scor* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Phol gunn* | | | | | | | | | | | | r | | | | | | | r | r | | | + | + | + | + | r | r | |
| *Poma micr* | | | | | | | | | | | | | | | | | | | | | + | + | + | | | | | | |
| *Poma minu* | | | | | | | | | | | | | | + | + | + | | | | | + | + | + | + | | | | | |
| *Poma pict* | | | | | | | | | | | | | | | | | + | | | | | | | | | | | | |
| *Poma sp* | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Syng acus* | | | r | r | | | | | | r | | | | | | | | | | | | | | | | | | | |
| *Tris lusc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Zoar vivi* | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | |
| n soorten | 11 | 32 | 34 | 34 | 22 | 21 | 13 | 4 | 23 | 32 | 39 | 29 | 28 | 29 | 29 | 22 | 29 | 38 | 34 | 24 | 19 | 17 | 16 | 10 | 26 | 29 | 27 | 25 | 20 | 22 | 15 | 11 |
| *Cyan ophy* | | | | | | | | | | | | | | | | | | | | + | | | | | | | | | |
| *Diat omee* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Lani conc* | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | |
| *Gamm koke* | | | | | | | | | | 1 | 1 | 1 | 2 | 2 | 2 | | | | | | | | | | | | | | |
| *Ophu ophi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Athe pres* | 0 | | | | | | | | 0 | | | | | | | | 0 | | | | | | | | | | | | |
| *Clup hare* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Lima lima* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Pleu plat* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Leuc vari* | x | | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | |
| *Pros epip* | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | |
| *Scyp sp* | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | |
| *Amph figu* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | |
| *Eumi sang* | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | |
| *Flab affi* | | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | |
| *Harm imbr* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | |
| *Harm impa* | x | | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | |
| *Kefe cirr* | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | |
| *Leps squa* | | | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | |
| *Plan dume* | x | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | |
| *Phlo minu* | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | |
| *Pold sp* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | |
| *Poln oida* | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | |
| *Stel boa* | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | |
| *Goni cast* | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Lepi cine* | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Vene sene* | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | |
| *Aora typi* | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | |
| *Capr elli* | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | |
| *Capr line* | | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | |
| *Coro insi* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | |
| *Coro sext* | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | |
| *Phth mari* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *Pisi long* | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | |
| *Sten mari* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | |

Tabel 3.4 Schelphoek, Braun-Blanquetopnamen 1989-1997

| jaar / ondergr. (m) | 89 1 | 89 2 | 89 3 | 89 5 | 89 7 | 89 9 | 89 15 | 90 1 | 90 2 | 90 3 | 90 5 | 90 7 | 90 9 | 90 15 | 91 1 | 91 2 | 91 3 | 91 5 | 91 7 | 91 9 | 91 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Bryo sp* | + | r | | | | | | + | 1 | + | | | | | | | | | | | |
| *Clad rupe* | 1 | 1 | r | | | | | 1 | 2 | + | | | | | | | | | | | |
| *Codi frag* | | | | | | | | | | | | | | | | | | | | | |
| *Ente sp* | + | + | | | | | | + | + | | | | | | | | | | | | |
| *Ulva sp* | 3 | 2 | 1 | | | | | 2 | + | | | | | | 2 | 2 | | | | | |
| *Dict dich* | | | | | | | | | | | | | | | | | | | | | |
| *Ecto carp* | + | + | | | | | | | | | | | | | | | | | | | |
| *Lami sacc* | | | | | | | | | | | | | | | | | | | | | |
| *Sarg muti* | 4 | 4 | + | | | | | + | | | | | | | | | | | | | |
| *Spha sp* | 1 | + | | | | | | 1 | 1 | | | | | | | | | | | | |
| *Anti spir* | | | | | | | | | | | | | | | | | | | | | |
| *Anti vill* | | | | | | | | r | + | + | r | | | | 1 | 2 | 1 | | | | |
| *Call rose* | | + | | | | | | | | | | | | | | | | | | | |
| *Cera diap* | | | | | | | | | | | | | | | | | | | | | |
| *Cera nodu* | 3 | 1 | r | | | | | 2 | 1 | + | | | | | 3 | 1 | r | | | | |
| *Chon cris* | 1 | r | | | | | | | | | | | | | + | | | | | | |
| *Dass sp* | | | | | | | | | | | | | | | | | | | | | |
| *Dumo cont* | | | | | | | | | | | | | | | | | | | | | |
| *Grac verr* | | + | + | | | | | | | | | | | | + | + | | | | | |
| *Grif devo* | | | | | | | | | | | | | | | 1 | 1 | + | | | | |
| *Hypo hypo* | | + | | | | | | r | + | + | + | | | | 1 | 2 | 1 | | | | |
| *Phyl pseu* | | | | | | | | | | | | | | | | | | | | | |
| *Poly denu* | r | + | + | | | | | | | | | | | | | | | | | | |
| *Poly elon* | | | | | | | | | | | | | | | | | | | | | |
| *Poly fuco* | r | | | | | | | 2 | 1 | + | | | | | 2 | 1 | + | | | | |
| *Poly harv* | | | | | | | | | | | | | | | | | | | | | |
| *Poly ngra* | + | 1 | + | | | | | | | | | | | | + | + | + | | | | |
| *Porp umbi* | | | | | | | | + | | | | | | | | | | | | | |
| *Pter plum* | 1 | 1 | 2 | | | | | + | + | + | r | | | | + | + | + | | | | |
| *Clio cela* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Hali bowe* | | | r | r | r | | | | | | | r | | | + | 2 | 1 | 1 | 1 | 1 | 1 |
| *Hali pani* | r | r | r | | | | | + | 1 | 1 | 1 | 1 | 1 | 1 | | | r | r | + | + | + |
| *Hall ocul* | | | r | r | r | | | | 1 | 1 | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Myca micr* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | r | | r | | | | | | | | |
| *Aure auri* | | | + | | | | | | | | | | | | | | | | | | |
| *Camp anul* | + | 1 | + | + | + | + | + | + | + | + | + | + | + | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Diad cinc* | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | + | 1 | 2 | 2 | 2 | 2 | 2 |
| *Eude ramo* | | | | | | | | | | | | | | | | | | | | | |
| *Hale hale* | | | | | | | | | | | + | + | | | | | + | + | + | | |
| *Metr seni* | 1 | 2 | 3 | 3 | 3 | 3 | 3 | + | 3 | 3 | 2 | 2 | 2 | 2 | + | 1 | 2 | 2 | 2 | 2 | 2 |
| *Saga trog* | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | + | + | | | 1 | 1 | + | + | + | | |
| *Sago unda* | | | | | | | | | | | | | | | + | + | | | | | |
| *Sert cupr* | | + | + | + | | | | | | | | r | | | | | | | | | |
| *Tubu indi* | | + | | | | | | | | | | r | | | | | | | | | |
| *Tubu lary* | | | | | | | | | | | | | | | | | | | | | |
| *Amph figu* | | | | | | | | | | | | | | | | | | | | | |
| *Cras giga* | 3 | + | r | r | r | r | r | 2 | r | r | r | r | r | r | 3 | 2 | 2 | 1 | + | + | + |
| *Crep fom* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | |
| *Face bost* | | | | | | | | | | | | | | | | | | | | | |
| *Jano cris* | | | | | | | | | | | | | | | + | + | + | + | + | + | + |
| *Litt litt* | | | | | | | | 1 | | | | | | | 1 | | | | | | |
| *Myti edul* | 2 | 1 | + | + | + | + | + | 1 | + | | | | | | 2 | 1 | + | + | + | + | + |
| *Ostr edul* | | | | | | | | | | | r | r | r | | | | | | | | |
| *Sepi offi* | | | | | | | | | | | | | | | | | | | | | |
| *Canc pagu* | | r | r | r | | | | | r | r | r | r | | | | r | r | r | r | r | r |
| *Carc maen* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Cirripedi* | | | | | | | | 2 | 2 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| *Hipp vari* | | + | + | + | + | + | + | | | | | | | | | | | | | | |
| *Homa gamm* | | r | r | | | | | | | r | r | r | | | | r | r | r | r | r | r |
| *Inac phal* | | | | | | | | | | | | | | | | | | | | | |
| *Lioc arcu* | | | | | | | | | | | | | | | + | + | + | + | + | + | + |
| *Lioc hols* | | | | | | | | | | | 0 | 0 | | | | r | r | r | r | r | r |

| jaar / ondergr. (m) | 93 1 | 93 2 | 93 3 | 93 5 | 93 7 | 93 9 | 93 15 | 94 1 | 94 2 | 94 3 | 94 5 | 94 7 | 94 9 | 94 15 | 94 20 | 95 1 | 95 2 | 95 3 | 95 5 | 95 7 | 95 9 | 95 15 | 95 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Bryo sp* | 2 | 3 | 2 | + | | | | | | | | | | | | | | | | | | | |
| *Clad rupe* | | | | | | | | | | | | | | | | | | | | | | | |
| *Codi frag* | + | + | | | | | | | | | | | | | | | | | | | | | |
| *Ente sp* | | | | | | | | | | | | | | | | | | | | | | | |
| *Ulva sp* | 3 | 2 | + | | | | | 1 | + | + | | | | | | 2 | 1 | | | | | | |
| *Dict dich* | | | | | | | | | | | | | | | | 2 | | | | | | | |
| *Ecto carp* | + | | | | | | | + | | | | | | | | | | | | | | | |
| *Lami sacc* | | | | | | | | 2 | 1 | | | | | | | | | | | | | | |
| *Sarg muti* | 1 | 1 | + | | | | | | | | | | | | | 2 | 1 | | | | | | |
| *Spha sp* | | | | | | | | | | | | | | | | | | | | | | | |
| *Anti spir* | | | | | | | | | | | | | | | | | | | | | | | |
| *Anti vill* | 1 | 1 | 1 | | | | | 1 | 1 | 2 | + | | | | | 2 | 1 | | | | | | |
| *Call rose* | | | | | | | | | | | | | | | | | | | | | | | |
| *Cera diap* | | | | | | | | | | | | | | | | | | | | | | | |
| *Cera nodu* | 2 | 1 | r | | | | | 2 | + | + | | | | | | 1 | + | | | | | | |
| *Chon cris* | 2 | + | | | | | | | | | | | | | | | | | | | | | |
| *Dass sp* | | | | | | | | | | | | | | | | | | | | | | | |
| *Dumo cont* | | | | | | | | | | | | | | | | | | | | | | | |
| *Grac verr* | | | | | | | | | | | | | | | | | | | | | | | |
| *Grif devo* | 1 | 1 | + | | | | | + | r | | | | | | | | | | | | | | |
| *Hypo hypo* | 1 | 2 | 1 | | | | | | + | + | 1 | | | | | 1 | + | | | | | | |
| *Phyl pseu* | + | + | + | | | | | | | | | | | | | | | | | | | | |
| *Poly denu* | | | | | | | | r | + | + | | | | | | | | | | | | | |
| *Poly elon* | + | + | + | | | | | | | | | | | | | | | | | | | | |
| *Poly fuco* | + | + | + | + | | | | 2 | 2 | + | | | | | | 1 | + | | | | | | |
| *Poly harv* | | | | | | | | + | + | r | | | | | | | | | | | | | |
| *Poly ngra* | | + | + | + | | | | 1 | 1 | + | | | | | | + | + | | | | | | |
| *Porp umbi* | | | | | | | | | | | | | | | | | | | | | | | |
| *Pter plum* | + | + | + | + | | | | 2 | 2 | 2 | 1 | | | | | 2 | 1 | | | | | | |
| *Clio cela* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | 0 | 0 |
| *Hali bowe* | + | + | + | + | + | + | + | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Hali pani* | + | + | + | 1 | 1 | 1 | 1 | + | + | + | + | + | + | + | + | | + | + | | | | | |
| *Hall ocul* | | + | + | 1 | 1 | 1 | 1 | | | | + | + | + | + | + | + | + | + | + | + | + | + | + |
| *Myca micr* | | | | | | | | | | | | | + | + | + | | | | | | | | |
| *Aure auri* | | | | | | | | | | | | | | | | | | | | | | | |
| *Camp anul* | + | + | + | + | + | + | + | | + | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| *Diad cinc* | | + | 1 | 2 | 2 | 2 | 2 | | | | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| *Eude ramo* | | | | | | | | | | | | | | | | | | | | | | | |
| *Hale hale* | | | + | + | + | | | | | | | | | | 1 | | | | | | + | + | + |
| *Metr seni* | + | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Saga trog* | + | + | + | + | + | + | + | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| *Sago unda* | | 1 | 1 | | | | | | | + | + | | | | | 1 | 1 | + | + | + | + | + | + |
| *Sert cupr* | | | | | | | | | | | | | | | | | | | | | | | |
| *Tubu indi* | | + | + | + | + | + | + | | | | | | | + | + | | | | | | | | |
| *Tubu lary* | | | | | | | | | | | | | | | | | | + | + | | | | |
| *Amph figu* | | | | | | | | | | | 0 | | | | | | | | | | | | |
| *Cras giga* | 3 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 4 | 2 | 2 | 3 | 3 | 4 | 4 | 4 | 4 |
| *Crep fom* | | | | | | | | 0 | | | | | | | | 0 | | | | | | | |
| *Face bost* | | | | | | | | | | | | | | | | | | | | | | | |
| *Jano cris* | | | | | | | | | | | | | | | | | | | | | | | |
| *Litt litt* | 1 | | | | | | | 1 | | | | | | | | 1 | | | | | | | |
| *Myti edul* | 2 | 1 | + | + | + | + | + | + | | | | | + | | | 2 | | | | | | | |
| *Ostr edul* | | | | | | | | | | | | | | | | | | | | | | | |
| *Sepi offi* | | | | | | | | | | | | | | | | | | | | | | | |
| *Canc pagu* | | r | r | r | r | r | r | | + | + | + | + | + | + | + | | + | + | + | + | + | + | + |
| *Carc maen* | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | r | | | | | | | |
| *Cirripedi* | | | | + | | | | + | | | + | + | + | + | + | | 1 | 1 | 1 | | | | |
| *Hipp vari* | | | | 0 | 0 | 0 | 0 | | | | | | | | | + | + | + | + | + | + | + | + |
| *Homa gamm* | | | | | | | | | | | r | | + | + | | | r | r | r | | | r | |
| *Inac phal* | | | | | | | | | | | | | + | | | | | | | | | | |
| *Lioc arcu* | | r | | | | | | | | | | | | | | | | | | | | | |
| *Lioc hols* | | | | | | | | | | | | | | | | | | | | | | | |

| jaar / ondergr. (m) | 96 1 | 96 2 | 96 3 | 96 5 | 96 7 | 96 9 | 96 15 | 97 1 | 97 2 | 97 3 | 97 5 | 97 7 | 97 9 | 97 15 | 97 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Bryo sp* | | + | r | | | | | 3 | 1 | | | | | | |
| *Clad rupe* | | | | | | | | | | | | | | | |
| *Codi frag* | | | | | | | | | | | | | | | |
| *Ente sp* | | | | | | | | | | | | | | | |
| *Ulva sp* | 1 | + | | | | | | 2 | | | | | | | |
| *Dict dich* | 1 | + | + | | | | | | | | | | | | |
| *Ecto carp* | + | + | + | | | | | | | | | | | | |
| *Lami sacc* | | | | | | | | | | | | | | | |
| *Sarg muti* | 1 | + | | | | | | 1 | 1 | | | | | | |
| *Spha sp* | | | | | | | | | | | | | | | |
| *Anti spir* | 1 | 2 | + | + | | | | 1 | + | 1 | + | | | | |
| *Anti vill* | | | | | | | | | | | | | | | |
| *Call rose* | | | | | | | | | | | | | | | |
| *Cera diap* | | | | r | | | | + | 1 | 1 | | | | | |
| *Cera nodu* | 2 | 3 | 1 | | | | | 2 | + | | | | | | |
| *Chon cris* | 2 | | | | | | | + | | | | | | | |
| *Dass sp* | + | + | | | | | | | | | | | | | |
| *Dumo cont* | 1 | | | | | | | | | | | | | | |
| *Grac verr* | | | | | | | | 1 | r | | | | | | |
| *Grif devo* | + | + | + | | | | | r | 2 | 1 | r | | | | |
| *Hypo hypo* | + | + | + | + | | | | 2 | 1 | + | + | | | | |
| *Phyl pseu* | | | | | | | | | | | | | | | |
| *Poly denu* | | | | | | | | | | | | | | | |
| *Poly elon* | | | | | | | | | | | | | | | |
| *Poly fuco* | + | + | + | | | | | + | + | + | | | | | |
| *Poly harv* | + | + | | | | | | | | r | | | | | |
| *Poly ngra* | | + | + | | | | | + | r | | | | | | |
| *Porp umbi* | | | | | | | | | | | | | | | |
| *Pter plum* | + | 1 | + | + | | | | + | 1 | + | + | | | | |
| *Clio cela* | | | | 0 | 0 | 0 | 0 | | | | | | | | |
| *Hali bowe* | | | + | + | 1 | 1 | 1 | + | + | + | + | + | + | + | |
| *Hali pani* | | | + | + | 1 | 1 | 1 | | | | r | | | | |
| *Hall ocul* | | | + | + | 1 | 1 | 1 | | | + | + | + | + | + | + |
| *Myca micr* | | | + | + | + | + | + | | | + | + | + | + | + | + |
| *Aure auri* | | | | | | | | | | | | | | | |
| *Camp anul* | 1 | 2 | 3 | 2 | 2 | 2 | 2 | + | + | 1 | 1 | + | + | + | + |
| *Diad cinc* | | | 1 | 1 | 1 | 1 | 1 | | | + | 1 | 1 | 1 | 1 | 1 |
| *Eude ramo* | | | r | r | | | | | | | | | | | |
| *Hale hale* | | | + | + | + | + | + | | | | + | + | + | + | + |
| *Metr seni* | | 1 | 2 | 2 | 2 | 2 | 2 | | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Saga trog* | + | 1 | 1 | 1 | 1 | + | | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Sago unda* | | + | + | | | | | | | | | | | | |
| *Sert cupr* | | | | + | + | + | + | | | | | | | | |
| *Tubu indi* | | | | | | | | | | | | | | | |
| *Tubu lary* | | | | | | r | | | | | | | | | r |
| *Amph figu* | | | | | | | | | | | | | | | |
| *Cras giga* | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| *Crep fom* | | | | | | | | 0 | 0 | 0 | 0 | 0 | | | |
| *Face bost* | | | | | | | | | | | | | | r | |
| *Jano cris* | | | | | | | | | | | | | | r | |
| *Litt litt* | 1 | + | | | | | | | | | | | | | |
| *Myti edul* | 1 | + | + | + | + | + | + | 1 | | | | | | | |
| *Ostr edul* | | | | | | | | | | | | | | | |
| *Sepi offi* | | | | | | | | | r | | | | | | |
| *Canc pagu* | | | | r | r | | | | | | | | | | r |
| *Carc maen* | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| *Cirripedi* | + | + | + | + | + | + | | | | | | | | | |
| *Hipp vari* | | | | | | | | | | | | | | + | + |
| *Homa gamm* | | | | + | + | | | | r | r | r | r | r | r | r |
| *Inac phal* | | | | | | | | | | | | | | | |
| *Lioc arcu* | | | | | | r | | | | | | | | + | + |
| *Lioc hols* | | | r | | | r | | | | | | | | | |

Tabel 3.4 Schelphoek, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 | ondergr. (m) |
| *Macr rost* | + | + | + | + | + | + | + | | | | | | | | + | + | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | *Macr rost* |
| *Neco pube* | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | + | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | | | | + | + | + | + | | | | | | | | r | *Neco pube* |
| *Pagu bem* | | r | r | r | r | r | r | | | | | | | | 1 | + | + | | | | | | r | | | | r | | + | 1 | 1 | 1 | 1 | + | + | + | r | | | | | | | | + | r | r | r | r | | | | | | | | | | *Pagu bem* |
| *Pala eleg* | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | + | | | | + | + | | | | | | | | | | | | | | | | | | | | *Pala eleg* |
| *Thor cran* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | *Thor cran* |
| *Phor hipp* | | | | | | | | | + | + | + | + | + | | | + | + | + | + | + | + | | | | r | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Phor hipp* |
| *Alcy myti* | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Alcy myti* |
| *Angn palm* | | | 1 | + | + | + | + | | | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Angn palm* |
| *Bice cili* | | 1 | 2 | 2 | 2 | 2 | 2 | | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | + | + | + | + | | | | | | 1 | 1 | 1 | | | | + | + | + | + | + | + | | | | + | 1 | 1 | 2 | + | + | 1 | 1 | 1 | 2 | 2 | 2 | *Bice cili* |
| *Bugu plum* | 1 | 2 | 3 | 2 | 2 | 2 | 2 | + | + | 1 | 1 | 2 | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | 1 | 1 | 2 | 2 | 2 | 2 | 1 | | | 1 | + | + | + | + | | + | + | 1 | | | | | *Bugu plum* |
| *Elec pilo* | 1 | + | r | | | | | 2 | 2 | 1 | + | + | + | + | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | + | | | | | | | | | | | | | | *Elec pilo* |
| *Aste rube* | + | + | + | + | + | + | + | r | r | r | r | | | | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | 1 | + | + | + | + | + | + | | | + | + | + | + | + | + | | + | 1 | 1 | + | + | + | + | + | + | + | + | + | + | *Aste rube* |
| *Ophi frag* | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 2 | | | | | | | | | | | | | | | | | | | r | | | | r | | *Ophi frag* |
| *Apli glab* | r | r | r | r | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | *Apli glab* |
| *Cion inte* | | | | | | | | | | | | | | | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | *Cion inte* |
| *Dide macu* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | r | r | | | *Dide macu* |
| *Dipl list* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | + | 1 | 1 | 1 | + | | | | | | | *Dipl list* |
| *Stye clav* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | | | + | + | + | + | | | | + | + | + | + | + | *Stye clav* |
| *Calo lyra* | | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | r | r | r | r | | | | | | | | | | | | | | | r | | | | | | | r | | | *Calo lyra* |
| *Enop buba* | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | | | r | | | | | | | | | | | | | | r | | | | | | | r | | | | | | | r | *Enop buba* |
| *Gobi nige* | | + | + | + | + | + | + | | | r | r | r | | | | r | r | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | r | *Gobi nige* |
| *Phol gunn* | | | | | | | | | r | r | r | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | r | | | r | r | r | | | | + | + | + | | | *Phol gunn* |
| *Poll poll* | | | | | | | | | 0 | 0 | 0 | | | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Poll poll* |
| *Poma minu* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | *Poma minu* |
| *Poma pict* | | | | | | | | | | | | | | | | | | | | | | | | + | + | | | | | | | | | | | | | | + | + | + | | | | | | | | r | | | | | | | | | *Poma pict* |
| *Poma sp* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | | | | | | | | | | | | | | | | | | | + | + | + | + | + | *Poma sp* |
| *Tris lusc* | | | | | | | | | 0 | 0 | 0 | | | | | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Tris lusc* |
| n soorten | 31 | 42 | 38 | 26 | 24 | 21 | 20 | 28 | 33 | 32 | 32 | 27 | 20 | 14 | 31 | 35 | 34 | 25 | 25 | 23 | 23 | 29 | 38 | 36 | 29 | 23 | 23 | 21 | 25 | 24 | 24 | 22 | 16 | 22 | 18 | 18 | 27 | 24 | 20 | 17 | 16 | 15 | 17 | 15 | 23 | 27 | 30 | 29 | 25 | 25 | 22 | 24 | 24 | 24 | 26 | 21 | 18 | 22 | 21 | n soorten |
| Diat omee | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 0 | 0 | | | | | | Diat omee |
| *Lani conc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | *Lani conc* |
| *Pleu fles* | | | | | | | | | | | | | | | | r | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Pleu fles* |
| *Leuc vari* | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | *Leuc vari* |
| *Pros epip* | x | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | x | | | | | | | *Pros epip* |
| *Scyp sp* | x | | | | | | | x | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | *Scyp sp* |
| *Clyt hemi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Clyt hemi* |
| *Harm lunu* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Harm lunu* |
| *Kefe cirr* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Kefe cirr* |
| *Plan dume* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | x | | | | | | *Plan dume* |
| *Pold sp* | x | | | | | | | x | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | *Pold sp* |
| Poln olda | x | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Poln olda |
| *Stel boa* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Stel boa* |
| *Typo hyal* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Typo hyal* |
| *Lepi cine* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | *Lepi cine* |
| *Aora typ* | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | *Aora typ* |
| *Capr line* | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | *Capr line* |
| *Capr mach* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | *Capr mach* |
| *Coro sext* | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | *Coro sext* |
| *Jass herd* | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | *Jass herd* |
| *Phth mari* | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | *Phth mari* |
| *Pisi long* | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | *Pisi long* |
| *Sten mari* | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | *Sten mari* |
| *Nymp rubr* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Nymp rubr* |
| Hala larv | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | Hala larv |
| *Scru scru* | | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | x | | | | | | | *Scru scru* |
| *Smit reti* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | *Smit reti* |
| *Ampp squa* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Ampp squa* |

Tabel 3.5 Zuidbout, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | | | | | | | |
| *Chae capi* | | | | | | | |
| *Clad rupe* | | | | | | | |
| *Codi frag* | | | | | | | |
| *Ulva sp* | + | + | | | | | |
| *Dict dich* | | | | | | | |
| *Ecto carp* | | | | | | | |
| *Lami sacc* | | | | | | | |
| *Sarg muti* | | | | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | | | | | | | |
| *Call rose* | | | | | | | |
| *Cera desl* | + | + | | | | | |
| *Cera diap* | | | | | | | |
| *Cera modu* | | | | | | | |
| *Chon cris* | + | r | | | | | |
| *Dass sp* | | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac verr* | | | | | | | |
| *Grif devo* | | | | | | | |
| *Hypo hypo* | + | + | + | | | | |
| *Lome clav* | | | | | | | |
| *Mast stel* | | | | | | | |
| *Phym leno* | | | | | | | |
| *Poly denu* | | | | | | | |
| *Poly elon* | + | + | r | | | | |
| *Poly fuco* | + | + | | | | | |
| *Poly hary* | | | | | | | |
| *Poly ngra* | + | + | + | | | | |
| *Poly stri* | | | | | | | |
| *Pter plum* | 1 | 1 | 1 | | | | |
| *Clio cela* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Hali bowe* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Hali pani* | r | r | r | r | r | r | r |
| *Hall ocul* | | r | r | r | r | r | r |
| *Hall xena* | | | | | | | |
| *Myca micr* | | | | | | | |
| *Aure auri* | | | | | | | |
| *Camp anul* | | | | | | | |
| *Diad cinc* | 1 | 2 | 3 | 4 | 4 | 4 | 4 |
| *Eude ramo* | | | | | | | |
| *Hale hale* | | | | | | | |
| *Hydr echi* | | | | | | | |
| *Metr seni* | | | | | | | |
| *Saga trog* | 1 | 1 | 1 | + | + | + | + |
| *Sago unda* | + | + | r | | | | |
| *Sert cupr* | | | | | | | |
| *Tubu indi* | | | | | | | |
| *Tubu lary* | | | | | | | |
| *Sabe pavo* | | | | | | | |
| *Aell glau* | | | | | | | |
| *Cras giga* | 2 | 2 | 2 | 2 | 1 | + | + |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | | | | |
| *Litt litt* | 1 | | | | | | |
| *Myti edul* | 1 | + | + | + | + | + | + |
| *Nuce lapi* | | | | | | | |
| *Ostr edul* | | | | | | | |
| *Canc pagu* | | | | | | | |
| *Carc maen* | + | + | + | + | + | + | + |
| *Cirr iped* | | | | | | | |
| *Hipp vari* | | | | | | | |
| *Homa gamm* | | r | r | r | r | r | r |
| *Lioc arcu* | | | | | | | |
| *Lioc depu* | | | | | | | |
| *Lioc hols* | | | | | | | |

| jaar | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | | | | | | | |
| *Chae capi* | | | | | | | |
| *Clad rupe* | + | + | | | | | |
| *Codi frag* | | | | | | | |
| *Ulva sp* | 1 | | | | | | |
| *Dict dich* | | | | | | | |
| *Ecto carp* | | | | | | | |
| *Lami sacc* | | | | | | | |
| *Sarg muti* | | | | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | | | | | | | |
| *Call rose* | | | | | | | |
| *Cera desl* | | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera modu* | 1 | 1 | + | | | | |
| *Chon cris* | | | | | | | |
| *Dass sp* | | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac verr* | | | | | | | |
| *Grif devo* | | | | | | | |
| *Hypo hypo* | | + | + | r | | | |
| *Lome clav* | | | | | | | |
| *Mast stel* | | | | | | | |
| *Phym leno* | | | | | | | |
| *Poly denu* | | | | | | | |
| *Poly elon* | | | | | | | |
| *Poly fuco* | 1 | 1 | + | | | | |
| *Poly hary* | | | | | | | |
| *Poly ngra* | | | | | | | |
| *Poly stri* | | | | | | | |
| *Pter plum* | | | | | | | |
| *Clio cela* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Hali bowe* | | | | | + | | |
| *Hali pani* | | + | + | + | + | + | + |
| *Hall ocul* | | | | | | | |
| *Hall xena* | | | | | | | |
| *Myca micr* | | | | | r | | |
| *Aure auri* | | | | | | | |
| *Camp anul* | | + | + | + | | | |
| *Diad cinc* | | + | 1 | 2 | 3 | 3 | 3 |
| *Eude ramo* | | | | | | | |
| *Hale hale* | | r | r | r | | | |
| *Hydr echi* | | | | | | | |
| *Metr seni* | | | | | | | |
| *Saga trog* | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| *Sago unda* | | | | | | | |
| *Sert cupr* | | | | | | | |
| *Tubu indi* | | | | | | | |
| *Tubu lary* | | | | | | | |
| *Sabe pavo* | | | | | | | |
| *Aell glau* | | | | | | | |
| *Cras giga* | 2 | 1 | + | + | + | + | + |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | | | | |
| *Litt litt* | 2 | 1 | + | + | + | + | + |
| *Myti edul* | + | + | | | | | |
| *Nuce lapi* | | | | | | | |
| *Ostr edul* | | | + | + | + | + | + |
| *Canc pagu* | | | | r | r | r | |
| *Carc maen* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Cirr iped* | 1 | 2 | 1 | + | + | + | + |
| *Hipp vari* | | | | | | | |
| *Homa gamm* | | | r | | | r | |
| *Lioc arcu* | | | | | | | |
| *Lioc depu* | | | | | | | |
| *Lioc hols* | | | | | | | |

| jaar | 91 | 91 | 91 | 91 | 91 | 91 | 91 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | 2 | 3 | + | | | | |
| *Chae capi* | | | | | | | |
| *Clad rupe* | | | | | | | |
| *Codi frag* | | | | | | | |
| *Ulva sp* | 2 | | | | | | |
| *Dict dich* | + | + | | | | | |
| *Ecto carp* | 1 | | | | | | |
| *Lami sacc* | | | | | | | |
| *Sarg muti* | + | + | | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | | | | | | | |
| *Call rose* | | | | | | | |
| *Cera desl* | 1 | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera modu* | 2 | | | | | | |
| *Chon cris* | 2 | | | | | | |
| *Dass sp* | | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac verr* | | | | | | | |
| *Grif devo* | + | 2 | 1 | | | | |
| *Hypo hypo* | 1 | 1 | + | | | | |
| *Lome clav* | | | | | | | |
| *Mast stel* | | | | | | | |
| *Phym leno* | | | | | | | |
| *Poly denu* | | | | | | | |
| *Poly elon* | | | | | | | |
| *Poly fuco* | | | | | | | |
| *Poly hary* | | | | | | | |
| *Poly ngra* | + | 1 | | | | | |
| *Poly stri* | | | | | | | |
| *Pter plum* | + | 2 | 1 | | | | |
| *Clio cela* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Hali bowe* | + | + | + | + | + | + | + |
| *Hali pani* | + | + | + | + | + | + | + |
| *Hall ocul* | + | + | 1 | 1 | 1 | 1 | 1 |
| *Hall xena* | | | | | | | |
| *Myca micr* | | | | | | | |
| *Aure auri* | | | | | | | |
| *Camp anul* | + | 1 | + | + | + | + | + |
| *Diad cinc* | + | 1 | 1 | 1 | 2 | 2 | 2 |
| *Eude ramo* | | | | | | | |
| *Hale hale* | | + | + | + | | | |
| *Hydr echi* | | | | | | | |
| *Metr seni* | + | + | + | + | + | + | + |
| *Saga trog* | 2 | 1 | + | + | + | + | + |
| *Sago unda* | + | + | + | | | | |
| *Sert cupr* | | | | | | | |
| *Tubu indi* | | | | | | | |
| *Tubu lary* | | | | | | | |
| *Sabe pavo* | | | | | | | |
| *Aell glau* | | | | | | | |
| *Cras giga* | 4 | 4 | 4 | 3 | 2 | 2 | 2 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | | | | |
| *Litt litt* | 1 | | | | | | |
| *Myti edul* | 1 | + | + | + | + | + | + |
| *Nuce lapi* | | | | | | | |
| *Ostr edul* | | | | | | | |
| *Canc pagu* | | | | | | | |
| *Carc maen* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Cirr iped* | 1 | | | | | | |
| *Hipp vari* | | | | | | | |
| *Homa gamm* | | | | | | | |
| *Lioc arcu* | r | r | r | r | r | r | r |
| *Lioc depu* | | | | | | | |
| *Lioc hols* | | r | r | r | r | r | r |

| jaar | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | 1 | 3 | 2 | 1 | + | | |
| *Chae capi* | | | | | | | |
| *Clad rupe* | | | | | | | |
| *Codi frag* | | | | | | | |
| *Ulva sp* | 3 | 1 | + | | | | |
| *Dict dich* | 1 | 1 | + | | | | |
| *Ecto carp* | | | | | | | |
| *Lami sacc* | | | | | | | |
| *Sarg muti* | + | 1 | 1 | + | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | | + | + | | | | |
| *Call rose* | 1 | 1 | 1 | + | + | | |
| *Cera desl* | | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera modu* | 2 | + | + | | | | |
| *Chon cris* | 2 | + | | | | | |
| *Dass sp* | | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac verr* | | | | | | | |
| *Grif devo* | | | | | | | |
| *Hypo hypo* | + | + | + | + | + | | |
| *Lome clav* | | | | | | | |
| *Mast stel* | | | | | | | |
| *Phym leno* | | | | | | | |
| *Poly denu* | | | | | | | |
| *Poly elon* | + | + | + | | | | |
| *Poly fuco* | 1 | 1 | 1 | | | | |
| *Poly hary* | + | | | | | | |
| *Poly ngra* | | | | + | | | |
| *Poly stri* | | | | | | | |
| *Pter plum* | + | + | + | | | | |
| *Clio cela* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Hali bowe* | | + | + | 1 | 1 | 1 | 1 |
| *Hali pani* | + | + | + | 1 | 1 | + | |
| *Hall ocul* | + | + | + | 1 | + | + | + |
| *Hall xena* | | | | | | | |
| *Myca micr* | 0 | 0 | 1 | 1 | 1 | 1 | 1 |
| *Aure auri* | | | | + | | + | |
| *Camp anul* | | + | + | 1 | 1 | + | |
| *Diad cinc* | + | 2 | 2 | 3 | 2 | 2 | 2 |
| *Eude ramo* | | | | | | | |
| *Hale hale* | | | | | | | |
| *Hydr echi* | | | | | | | |
| *Metr seni* | + | + | + | + | + | + | + |
| *Saga trog* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Sago unda* | | | + | + | + | | |
| *Sert cupr* | | | | | | | |
| *Tubu indi* | | | | | | | |
| *Tubu lary* | | | | | | | |
| *Sabe pavo* | | | | | | | |
| *Aell glau* | | | | | | | |
| *Cras giga* | | | | | 3 | 3 | 3 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | | | | |
| *Litt litt* | 1 | | | | | | |
| *Myti edul* | 1 | + | + | + | r | r | r |
| *Nuce lapi* | + | | | | | | |
| *Ostr edul* | | | | | | r | |
| *Canc pagu* | | | | | | | |
| *Carc maen* | + | + | + | + | + | + | + |
| *Cirr iped* | 1 | | | | | | |
| *Hipp vari* | | | | | | | |
| *Homa gamm* | | | | + | + | + | + |
| *Lioc arcu* | | + | + | 1 | 1 | 1 | 1 |
| *Lioc depu* | | | | | | | |
| *Lioc hols* | | | | | | | |

| jaar | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Bryo sp* | | | + | + | | | | |
| *Chae capi* | | | | | | | | |
| *Clad rupe* | | | | | | | | |
| *Codi frag* | | | | | | | | |
| *Ulva sp* | 1 | 1 | | | | | | |
| *Dict dich* | 1 | 1 | | | | | | |
| *Ecto carp* | | | | | | | | |
| *Lami sacc* | 2 | 1 | + | | | | | |
| *Sarg muti* | | | | | | | | |
| *Anti spir* | | | | | | | | |
| *Anti vill* | 2 | 3 | 2 | 2 | 1 | | | |
| *Call rose* | | | | | | | | |
| *Cera desl* | | | | | | | | |
| *Cera diap* | | | | | | | | |
| *Cera modu* | | | | | | | | |
| *Chon cris* | 3 | 1 | | | | | | |
| *Dass sp* | | | | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac verr* | | | | | | | | |
| *Grif devo* | 1 | | | | | | | |
| *Hypo hypo* | + | + | + | + | + | | | |
| *Lome clav* | | | | | | | | |
| *Mast stel* | | | | | | | | |
| *Phym leno* | | | | | | | | |
| *Poly denu* | + | + | + | + | | | | |
| *Poly elon* | | | | | | | | |
| *Poly fuco* | 1 | 2 | 2 | 1 | | | | |
| *Poly hary* | 1 | + | | | | | | |
| *Poly ngra* | + | + | + | + | + | r | | |
| *Poly stri* | | | | | | | | |
| *Pter plum* | 2 | 3 | 2 | 2 | 1 | | | |
| *Clio cela* | | | 0 | 0 | 0 | 0 | | |
| *Hali bowe* | | + | + | + | + | + | | |
| *Hali pani* | + | + | 1 | 1 | 1 | + | | |
| *Hall ocul* | | + | + | + | + | + | | |
| *Hall xena* | | | | | | | | |
| *Myca micr* | | | | | | | | |
| *Aure auri* | | | | | | r | | |
| *Camp anul* | + | + | + | + | + | + | + | |
| *Diad cinc* | + | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| *Eude ramo* | | | | | | | | |
| *Hale hale* | | | | | | | | |
| *Hydr echi* | | | | | | | | |
| *Metr seni* | | 1 | 1 | + | + | + | | |
| *Saga trog* | | | | 1 | 1 | 1 | 1 | |
| *Sago unda* | + | 1 | 1 | 1 | | | | |
| *Sert cupr* | | | | | | | | |
| *Tubu indi* | | | + | + | + | + | | |
| *Tubu lary* | | | | | | | | |
| *Sabe pavo* | | | | | | | | |
| *Aell glau* | | | r | | | | | |
| *Cras giga* | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | 2 | 2 | 2 | 1 | | | |
| *Jano cris* | | | | | | | | |
| *Litt litt* | 2 | 1 | + | | | | | r |
| *Myti edul* | | | r | | | | | |
| *Nuce lapi* | | | | | | | | |
| *Ostr edul* | | | r | | r | | | |
| *Canc pagu* | | | | | | | r | |
| *Carc maen* | + | + | + | + | + | + | + | + |
| *Cirr iped* | 1 | | | | | | | |
| *Hipp vari* | | | | | r | | | |
| *Homa gamm* | | r | r | | | | | |
| *Lioc arcu* | | + | 1 | 1 | 1 | 1 | 1 | + |
| *Lioc depu* | | | | | | | | + |
| *Lioc hols* | | | | | | | | |

| jaar | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | | | | | | | |
| *Chae capi* | | | | | | | |
| *Clad rupe* | | | | | | | |
| *Codi frag* | | | | | | | |
| *Ulva sp* | 2 | + | | | | | |
| *Dict dich* | 1 | | | | | | |
| *Ecto carp* | | | | | | | |
| *Lami sacc* | | | | | | | |
| *Sarg muti* | 2 | + | | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | 2 | 2 | + | | | | |
| *Call rose* | | | | | | | |
| *Cera desl* | | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera modu* | + | + | | | | | |
| *Chon cris* | 1 | | | | | | |
| *Dass sp* | | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac verr* | + | | | | | | |
| *Grif devo* | | | | | | | |
| *Hypo hypo* | 1 | 1 | + | | | | |
| *Lome clav* | | | | | | | |
| *Mast stel* | | | | | | | |
| *Phym leno* | | | | | | | |
| *Poly denu* | | | | | | | |
| *Poly elon* | + | | | | | | |
| *Poly fuco* | 1 | 1 | | | | | |
| *Poly hary* | | | | | | | |
| *Poly ngra* | | | | | | | |
| *Poly stri* | | | | | | | |
| *Pter plum* | 1 | 2 | + | | | | |
| *Clio cela* | | 0 | | | | | 0 |
| *Hali bowe* | | + | 1 | 1 | 1 | 1 | 1 |
| *Hali pani* | | | | | | | |
| *Hall ocul* | | | | | | | |
| *Hall xena* | + | + | + | | | | |
| *Myca micr* | | | | | | | |
| *Aure auri* | | | | | | | |
| *Camp anul* | | + | 1 | 1 | + | + | + |
| *Diad cinc* | | + | 1 | 1 | 1 | 2 | 2 |
| *Eude ramo* | | | | | | | |
| *Hale hale* | | | | | | | |
| *Hydr echi* | | | | | | | |
| *Metr seni* | | | | | | | |
| *Saga trog* | 1 | 1 | + | + | + | 1 | 1 |
| *Sago unda* | + | + | 1 | + | + | + | + |
| *Sert cupr* | | | | | | | |
| *Tubu indi* | | | | | | | |
| *Tubu lary* | | | | | | | |
| *Sabe pavo* | | | | | | | r |
| *Aell glau* | | | | | | | |
| *Cras giga* | 2 | 3 | 3 | 3 | 4 | 4 | 4 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | | | | |
| *Litt litt* | 1 | | | | | | |
| *Myti edul* | | | | | | | |
| *Nuce lapi* | r | | | | | | |
| *Ostr edul* | r | | | | | | |
| *Canc pagu* | | | | | | | |
| *Carc maen* | + | + | + | + | + | + | + |
| *Cirr iped* | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| *Hipp vari* | | | | | | | r |
| *Homa gamm* | | | | | | | |
| *Lioc arcu* | | | | | | | |
| *Lioc depu* | | | | + | + | + | + |
| *Lioc hols* | | | | | | | |

| jaar | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | + | 2 | 1 | + | | | |
| *Chae capi* | r | | | | | | |
| *Clad rupe* | | | | | | | |
| *Codi frag* | | | | r | | | |
| *Ulva sp* | + | + | + | | | | |
| *Dict dich* | 1 | 3 | + | | | | |
| *Ecto carp* | + | + | + | | | | |
| *Lami sacc* | | | | | | | |
| *Sarg muti* | 1 | + | + | | | | |
| *Anti spir* | + | 1 | + | + | | | |
| *Anti vill* | | | | | | | |
| *Call rose* | | | | r | | | |
| *Cera desl* | | | | | | | |
| *Cera diap* | | + | 1 | 1 | + | | |
| *Cera modu* | + | + | + | + | | | |
| *Chon cris* | 3 | 1 | + | | | | |
| *Dass sp* | + | 1 | 2 | 1 | | | |
| *Dumo cont* | 1 | + | | | | | |
| *Grac verr* | | | | | | | |
| *Grif devo* | | r | + | + | | | |
| *Hypo hypo* | + | + | + | + | + | | |
| *Lome clav* | | + | | | | | |
| *Mast stel* | 1 | + | | | | | |
| *Phym leno* | 2 | + | + | | | | |
| *Poly denu* | + | 1 | + | | | | |
| *Poly elon* | + | + | + | + | | | |
| *Poly fuco* | + | 2 | 1 | + | | | |
| *Poly hary* | 1 | + | | | | | |
| *Poly ngra* | + | + | | | | | |
| *Poly stri* | | | | | | | |
| *Pter plum* | + | + | + | + | + | | |
| *Clio cela* | | | 0 | 0 | 0 | 0 | 0 |
| *Hali bowe* | | | + | + | + | + | |
| *Hali pani* | | | | | + | + | |
| *Hall ocul* | | | + | + | + | + | + |
| *Hall xena* | | | r | | | r | |
| *Myca micr* | | 1 | 1 | 2 | 2 | 2 | 2 |
| *Aure auri* | | | | | | | |
| *Camp anul* | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Diad cinc* | | 1 | 2 | 2 | 3 | 3 | 2 |
| *Eude ramo* | | | | | | + | |
| *Hale hale* | | | | | | | |
| *Hydr echi* | | + | + | | | | |
| *Metr seni* | | | | + | 1 | 1 | 1 |
| *Saga trog* | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Sago unda* | | | | | | | |
| *Sert cupr* | | | | | r | r | r |
| *Tubu indi* | | r | r | r | r | r | r |
| *Tubu lary* | | | | | | | |
| *Sabe pavo* | | | | | | | |
| *Aell glau* | | + | | | | | |
| *Cras giga* | 2 | 2 | 2 | 3 | 3 | 4 | 4 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | | | | |
| *Litt litt* | 1 | + | | | | | |
| *Myti edul* | 1 | + | + | + | + | + | + |
| *Nuce lapi* | | | | | | | |
| *Ostr edul* | | | | | | | |
| *Canc pagu* | | | | | | | |
| *Carc maen* | + | + | + | + | + | + | + |
| *Cirr iped* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Hipp vari* | | | | | | | |
| *Homa gamm* | | | | + | + | r | r |
| *Lioc arcu* | | | | | | | r |
| *Lioc depu* | | | | | | | |
| *Lioc hols* | | | | | | | |

| jaar | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Bryo sp* | 4 | 2 | | | | | | |
| *Chae capi* | | | | | | | | |
| *Clad rupe* | | | | | | | | |
| *Codi frag* | | | | | | | | |
| *Ulva sp* | 1 | | | | | | | |
| *Dict dich* | 2 | | | | | | | |
| *Ecto carp* | | | | | | | | |
| *Lami sacc* | | | | | | | | |
| *Sarg muti* | 2 | | | | | | | |
| *Anti spir* | + | | | | | | | |
| *Anti vill* | | | | | | | | |
| *Call rose* | | | | | | | | |
| *Cera desl* | + | | | | | | | |
| *Cera diap* | + | + | + | | | | | |
| *Cera modu* | 1 | + | | | | | | |
| *Chon cris* | 1 | | | | | | | |
| *Dass sp* | | | | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac verr* | | | | | | | | |
| *Grif devo* | 1 | + | | | | | | |
| *Hypo hypo* | 1 | + | + | r | | | | |
| *Lome clav* | + | + | | | | | | |
| *Mast stel* | | | | | | | | |
| *Phym leno* | | | | | | | | |
| *Poly denu* | | | | | | | | |
| *Poly elon* | | | | | | | | |
| *Poly fuco* | + | + | | | | | | |
| *Poly hary* | + | | | | | | | |
| *Poly ngra* | | + | + | | | | | |
| *Poly stri* | | | + | | | | | |
| *Pter plum* | + | + | + | r | | | | |
| *Clio cela* | | + | r | r | r | | | |
| *Hali bowe* | | | | | | | | |
| *Hali pani* | | | | | | | | |
| *Hall ocul* | | | | + | + | + | | |
| *Hall xena* | | | | | | | | |
| *Myca micr* | | | 1 | 1 | 1 | 1 | | |
| *Aure auri* | | | | | | | | |
| *Camp anul* | | | + | | | | | |
| *Diad cinc* | | | 1 | 2 | 2 | 1 | + | + |
| *Eude ramo* | | | | | | | | |
| *Hale hale* | | | | | | | | |
| *Hydr echi* | | | | | | | | |
| *Metr seni* | | | | | | | | |
| *Saga trog* | + | + | 1 | 1 | | | | |
| *Sago unda* | + | + | | | | | + | + |
| *Sert cupr* | | | | | | | | |
| *Tubu indi* | | | | | | | | |
| *Tubu lary* | | | | | + | | | |
| *Sabe pavo* | | | | | | | | |
| *Aell glau* | | | | | | | | |
| *Cras giga* | | | 5 | 5 | 5 | 5 | 3 | |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Elys viri* | | | | | | | | |
| *Jano cris* | | | | | + | + | | |
| *Litt litt* | 1 | | | | | | | |
| *Myti edul* | | | + | + | + | + | | |
| *Nuce lapi* | r | r | r | | | | | |
| *Ostr edul* | | | | | | | | |
| *Canc pagu* | | | | | | | | |
| *Carc maen* | | | + | + | + | + | + | |
| *Cirr iped* | 1 | + | | | | | | |
| *Hipp vari* | | | | | | | | |
| *Homa gamm* | | | + | + | + | + | | |
| *Lioc arcu* | | | | | | | | |
| *Lioc depu* | | | | | | | | |
| *Lioc hols* | | | | | | | | |

| jaar |
|---|
| ondergr. (m) |
| *Bryo sp* |
| *Chae capi* |
| *Clad rupe* |
| *Codi frag* |
| *Ulva sp* |
| *Dict dich* |
| *Ecto carp* |
| *Lami sacc* |
| *Sarg muti* |
| *Anti spir* |
| *Anti vill* |
| *Call rose* |
| *Cera desl* |
| *Cera diap* |
| *Cera modu* |
| *Chon cris* |
| *Dass sp* |
| *Dumo cont* |
| *Grac verr* |
| *Grif devo* |
| *Hypo hypo* |
| *Lome clav* |
| *Mast stel* |
| *Phym leno* |
| *Poly denu* |
| *Poly elon* |
| *Poly fuco* |
| *Poly hary* |
| *Poly ngra* |
| *Poly stri* |
| *Pter plum* |
| *Clio cela* |
| *Hali bowe* |
| *Hali pani* |
| *Hall ocul* |
| *Hall xena* |
| *Myca micr* |
| *Aure auri* |
| *Camp anul* |
| *Diad cinc* |
| *Eude ramo* |
| *Hale hale* |
| *Hydr echi* |
| *Metr seni* |
| *Saga trog* |
| *Sago unda* |
| *Sert cupr* |
| *Tubu indi* |
| *Tubu lary* |
| *Sabe pavo* |
| *Aell glau* |
| *Cras giga* |
| *Crep forn* |
| *Elys viri* |
| *Jano cris* |
| *Litt litt* |
| *Myti edul* |
| *Nuce lapi* |
| *Ostr edul* |
| *Canc pagu* |
| *Carc maen* |
| *Cirr iped* |
| *Hipp vari* |
| *Homa gamm* |
| *Lioc arcu* |
| *Lioc depu* |
| *Lioc hols* |

Tabel 3.5 Zuidbout, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 93 | 93 | 93 | 93 | 93 | 93 | 93 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 | ondergr. (m) |
| *Macr rost* | | + | + | + | + | + | + | | | | | | | | + | + | + | + | + | + | + | | | | | | | | | 0 | 0 | 0 | 0 | 0 | | | | | + | + | + | + | + | | r | | | r | | | | | | | r | r | r | | | *Macr rost* |
| *Neco pube* | | + | + | + | + | + | + | 1 | 1 | 1 | 1 | | | | | | | | | | | | | + | + | + | + | + | r | r | r | r | | | | | | | | | | | | | | | | r | r | | | | | | | | | | *Neco pube* |
| *Pagu bern* | + | + | + | + | + | + | + | | | r | | | | | 1 | + | + | | | | | + | + | + | | | | | | | | | | | | r | | | | | | | | | + | + | + | | | | | | | | | | | | *Pagu bern* |
| *Pala eleg* | | | | | | | | | | | | | | | | | | | | | | | | + | + | | | | | | | | | | | | + | + | + | + | + | + | | | | + | + | | | | | | | | | | | | | *Pala eleg* |
| *Pala serr* | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | + | | | | | + | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | *Pala serr* |
| *Pand mont* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | *Pand mont* |
| *Pilu hirt* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | *Pilu hirt* |
| *Thor cran* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | | | *Thor cran* |
| *Alcy myti* | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | *Alcy myti* |
| *Angn palm* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | | | | | + | | | | | *Angn palm* |
| *Bice cili* | | | | | | | | | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | | r | | | | | | | | + | + | + | + | + | | | | | | | | | + | | | 1 | 1 | 1 | 1 | 1 | | | 2 | 2 | 2 | 2 | 2 | | *Bice cili* |
| *Bugu plum* | + | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | + | 1 | + | + | + | + | + | | + | + | + | + | + | | + | + | + | + | + | + | + | | 1 | 1 | 2 | 2 | 1 | 1 | 1 | | | + | 1 | + | | | | | 1 | 1 | 1 | 1 | 1 | *Bugu plum* |
| *Elec pilo* | | | | | | | | 0 | 0 | 0 | 0 | | | | r | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | | | | + | | | *Elec pilo* |
| *Aste rube* | + | + | + | + | + | + | + | r | r | r | r | r | r | r | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | | r | r | r | r | r | r | r | + | 1 | 1 | 1 | 1 | 1 | 1 | | | + | + | + | + | | *Aste rube* |
| *Ophi frag* | 4 | 5 | 4 | 4 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | | | | | | | | 1 | 2 | 3 | 2 | 1 | 1 | 1 | + | 2 | 3 | 2 | + | | | | | | | | | | | | | | | | | | | | | | | | *Ophi frag* |
| *Psam mili* | | | | | | | | | | r | r | | | | | | | | | | | + | + | r | r | r | r | r | | r | r | r | | | | | | | | | r | r | | | | | | | | | | | | | | | | *Psam mili* |
| *Apli glab* | | | | | | | | + | 2 | 2 | 2 | 2 | 2 | 2 | r | r | r | r | r | r | r | | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | + | | r | r | r | | | *Apli glab* |
| *Asci aspe* | | | | | | | | | | + | + | | | | r | + | 1 | 1 | 1 | 1 | 1 | + | + | + | + | 1 | 1 | 1 | | r | r | r | r | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | | | | | *Asci aspe* |
| *Botr schl* | | | | | | | | | | | | | | | | | | | | | | | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | r | | | *Botr schl* |
| *Cion inte* | + | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 4 | 3 | 3 | 3 | + | 1 | 1 | 1 | + | + | + | + | + | + | + | + | + | | | | | | | | | | r | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | | 1 | 1 | 1 | 1 | + | | *Cion inte* |
| *Dide macu* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | *Dide macu* |
| *Stye clav* | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | + | + | + | 1 | 1 | + | + | | | | + | + | + | + | + | | 1 | 1 | 2 | 2 | 1 | 1 | | + | 1 | 1 | 1 | 1 | + | | *Stye clav* |
| *Calo lyra* | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | r | | | | | | | | | r | | | | | | | r | | | | | | | | *Calo lyra* |
| *Dice labr* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | *Dice labr* |
| *Enop buba* | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | r | r | | | | | | | | | | | | | | + | + | + | | | | | | | | | | | *Enop buba* |
| *Gobi nige* | r | r | r | r | r | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | | + | + | + | + | | | | | | | r | r | r | | | | | | | + | + | | | | | | | | *Gobi nige* |
| *Phol gunn* | | | | | | | | | | | | | | | + | | | | | | | + | + | + | | | | | | r | r | | | | | | | | | | | | | r | | | | r | | | | | | | | r | *Phol gunn* |
| *Poll poll* | | | | | | | | | | 0 | 0 | | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Poll poll* |
| *Poma sp* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | | | | | | | r | | | r | r | r | r | | | | | | | | | *Poma sp* |
| *Rani rani* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | *Rani rani* |
| *Syng acus* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | *Syng acus* |
| *Tris lusc* | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Tris lusc* |
| *Zoar vivi* | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Zoar vivi* |
| n soorten | 26 | 29 | 25 | 20 | 20 | 19 | 19 | 19 | 24 | 29 | 25 | 20 | 18 | 16 | 40 | 32 | 29 | 23 | 22 | 22 | 22 | 35 | 39 | 40 | 31 | 30 | 26 | 21 | 29 | 40 | 42 | 36 | 32 | 23 | 14 | 8 | 24 | 21 | 18 | 16 | 18 | 19 | 21 | 32 | 43 | 42 | 34 | 31 | 28 | 22 | 22 | 18 | 22 | 20 | 21 | 15 | 10 | 3 | n soorten |
| *Lani conc* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | | | | | *Lani conc* |
| *Cers edul* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Cers edul* |
| *Athe pres* | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Athe pres* |
| *Luma lima* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Luma lima* |
| *Pleu plat* | | | | r | r | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Pleu plat* |
| *Leuc vari* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | *Leuc vari* |
| *Pros epip* | x | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | *Pros epip* |
| *Scyp sp* | x | | | | | | | x | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | *Scyp sp* |
| *Clyt hem* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Clyt hem* |
| *Flab affi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Flab affi* |
| *Harm impa* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | *Harm impa* |
| *Harm lunu* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Harm lunu* |
| *Leps squa* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | *Leps squa* |
| *Pher plum* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | *Pher plum* |
| *Plan dume* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Plan dume* |
| *Pold sp* | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | *Pold sp* |
| *Poln oida* | x | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Poln oida* |
| *Lepi cine* | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | *Lepi cine* |
| *Aora typi* | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Aora typi* |
| *Capr elli* | | | | | | | | x | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Capr elli* |
| *Capr mach* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Capr mach* |
| *Coro sext* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | *Coro sext* |
| *Jass herd* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Jass herd* |
| *Phth mari* | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Phth mari* |
| *Pisi long* | | | | | | | | x | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Pisi long* |
| *Sten mari* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Sten mari* |
| *Ache echi* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | *Ache echi* |
| *Anop peti* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Anop peti* |
| *Nymp rubr* | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | *Nymp rubr* |
| *Pycn litt* | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Pycn litt* |
| *Scru scru* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | *Scru scru* |

Tabel 3.6 Gorishoek, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | 1 | + | r | | | | |
| *Chae linu* | | | | | | | |
| *Codi frag* | + | + | | | | | |
| *Codi fray* | 2 | 2 | + | | | | |
| *Ente sp* | | | | | | | |
| *Ulva sp* | 3 | 1 | + | | | | |
| *Dict dich* | | | + | | | | |
| *Ecto carp* | | | | | | | |
| *Fucu vesi* | | | | | | | |
| *Lami sacc* | | | | | | | |
| *Sarg muti* | 2 | 1 | | | | | |
| *Spha sp* | | | | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | + | + | | | | | |
| *Call rose* | | | r | | | | |
| *Cera cimb* | | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera rodu* | | | | | | | |
| *Choa dasy* | | | | | | | |
| *Chon cris* | | | | | | | |
| *Dasc sp* | | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac ver* | | | | | | | |
| *Grif devo* | | | | | | | |
| *Hypo hypo* | + | + | + | | | | |
| *Lome clav* | | | | | | | |
| *Phyl pseu* | + | + | | | | | |
| *Phym lena* | | | | | | | |
| *Poly elon* | | | | | | | |
| *Poly linco* | 1 | 1 | + | | | | |
| *Poly harv* | | | | | | | |
| *Poly ngra* | 1 | 1 | + | r | | | |
| *Porp umbi* | | | | | | | |
| *Pter plum* | + | 1 | + | | | | |
| **Clio cela** | | | | 0 | 0 | 0 | 0 |
| **Hali bowe** | | | | | | | |
| **Hali pani** | | | + | + | 1 | 1 | 1 |
| **Hall ocul** | | | | | | | |
| **Hall xena** | | | | | | | |
| **Hyme perl** | | | | | | | |
| **Myca micr** | | | | | | | |
| **Camp amul** | + | + | 1 | + | | | |
| *Diad cinc* | + | 1 | 2 | 2 | 2 | 2 | 2 |
| *Diad luci* | | | | | | | |
| *Eude ramo* | | | | r | r | | |
| *Hydr echi* | | | | | | | |
| *Metr seni* | + | + | + | + | | | |
| *Saga trog* | + | 1 | 1 | + | | | |
| *Sago unda* | | | + | | | | |
| *Sert cupr* | | | | | | | |
| *Tubu indi* | | + | + | + | + | + | + |
| *Amph figu* | | | | | | | |
| *Sabe pavo* | | | | | | | |
| *Aeol papi* | | | | | | | |
| *Cras giga* | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Denn fron* | | | | | | | |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | r | r | | |
| *Litt litt* | 1 | | | | | | |
| *Myti edul* | 1 | | | | | | |
| *Ostr edul* | | | | | | | |
| *Canc pagu* | | | | | | | |
| *Carc maen* | + | + | + | + | + | + | + |
| *Cirr iped* | 2 | | | | | | |
| *Hipp vari* | | | | | r | | |
| *Homa gamm* | | | | | | | |
| *Hyas aran* | | | | | | | |
| *Lioc arcu* | | | | | | | |
| *Lioc hols* | | | | | | | |
| *Macr rost* | | | | | r | | |
| *Neco pube* | | | + | + | + | + | + |
| *Pagu bern* | | + | + | + | + | + | + |

| jaar | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | 1 | | | | | | |
| *Chae linu* | | | | | | | |
| *Codi frag* | | | | | | | |
| *Codi fray* | + | + | | | | | |
| *Ente sp* | 2 | | | | | | |
| *Ulva sp* | 3 | + | + | | | | |
| *Dict dich* | | | | | | | |
| *Ecto carp* | 1 | | | | | | |
| *Fucu vesi* | | | | | | | |
| *Lami sacc* | r | | | | | | |
| *Sarg muti* | + | | | | | | |
| *Spha sp* | + | + | | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | + | + | + | | | | |
| *Call rose* | | | | | | | |
| *Cera cimb* | | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera rodu* | 3 | 1 | + | | | | |
| *Choa dasy* | | | | | | | |
| *Chon cris* | 2 | | | | | | |
| *Dasc sp* | | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac ver* | + | | | | | | |
| *Grif devo* | | | | | | | |
| *Hypo hypo* | + | 1 | 1 | + | | | |
| *Lome clav* | | | | | | | |
| *Phyl pseu* | + | + | + | | | | |
| *Phym lena* | | | | | | | |
| *Poly elon* | | | | | | | |
| *Poly linco* | 2 | 1 | + | | | | |
| *Poly harv* | + | | | | | | |
| *Poly ngra* | + | + | + | | | | |
| *Porp umbi* | + | | | | | | |
| *Pter plum* | + | + | + | + | | | |
| **Clio cela** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Hali bowe** | | | | | | | |
| **Hali pani** | | | + | + | + | + | + |
| **Hall ocul** | | | | | + | + | + |
| **Hall xena** | | | | | | | |
| **Hyme perl** | | | | | | | |
| **Myca micr** | | | | | | | |
| **Camp amul** | 0 | 0 | 0 | | | | |
| *Diad cinc* | 1 | 2 | 3 | 3 | 3 | 3 | 3 |
| *Diad luci* | | | | | | | |
| *Eude ramo* | | | | | | | |
| *Hydr echi* | | | | | | | |
| *Metr seni* | | 1 | 1 | 1 | 1 | 1 | 1 |
| *Saga trog* | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| *Sago unda* | | | | | | | |
| *Sert cupr* | + | | | | | | |
| *Tubu indi* | | | + | + | + | + | + |
| *Amph figu* | | | | | | | |
| *Sabe pavo* | | | | | | | |
| *Aeol papi* | | | | | | | |
| *Cras giga* | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Denn fron* | | | | | | | |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | | | | |
| *Litt litt* | 1 | + | + | | | | |
| *Myti edul* | 1 | + | + | | | | |
| *Ostr edul* | | | | | | | |
| *Canc pagu* | | | | | r | | |
| *Carc maen* | + | + | + | + | + | + | + |
| *Cirr iped* | 1 | + | + | | | | |
| *Hipp vari* | | | | | | | |
| *Homa gamm* | | | | | | | |
| *Hyas aran* | | | | | | | |
| *Lioc arcu* | | | | | | | |
| *Lioc hols* | | | | | | | |
| *Macr rost* | | | r | | | | |
| *Neco pube* | + | + | + | + | + | + | + |
| *Pagu bern* | + | + | + | + | | | |

| jaar | 91 | 91 | 91 | 91 | 91 | 91 | 91 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | 3 | 3 | 1 | + | | | |
| *Chae linu* | | | | | | | |
| *Codi frag* | + | 2 | r | | | | |
| *Codi fray* | | | | | | | |
| *Ente sp* | | | | | | | |
| *Ulva sp* | 3 | + | | | | | |
| *Dict dich* | 1 | | | | | | |
| *Ecto carp* | | | | | | | |
| *Fucu vesi* | | | | | | | |
| *Lami sacc* | | | + | | | | |
| *Sarg muti* | 1 | 1 | + | | | | |
| *Spha sp* | | | | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | 1 | 2 | 2 | + | | | |
| *Call rose* | | | | | | | |
| *Cera cimb* | | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera rodu* | | | | | | | |
| *Choa dasy* | | | | | | | |
| *Chon cris* | 2 | 1 | | | | | |
| *Dasc sp* | | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac ver* | 1 | 1 | + | | | | |
| *Grif devo* | | | | | | | |
| *Hypo hypo* | + | 1 | + | | | | |
| *Lome clav* | | | | | | | |
| *Phyl pseu* | | | | | | | |
| *Phym lena* | | | | | | | |
| *Poly elon* | | | | | | | |
| *Poly linco* | 2 | 1 | + | | | | |
| *Poly harv* | | | | | | | |
| *Poly ngra* | 1 | 1 | 1 | + | | | |
| *Porp umbi* | | | | | | | |
| *Pter plum* | 1 | 2 | 2 | + | | | |
| **Clio cela** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Hali bowe** | + | + | 1 | 1 | 1 | 1 | |
| **Hali pani** | | + | 1 | 1 | 1 | 1 | |
| **Hall ocul** | + | 1 | 1 | 1 | 1 | 1 | 1 |
| **Hall xena** | | | | | | | |
| **Hyme perl** | | | | | | | |
| **Myca micr** | | | | | | | |
| **Camp amul** | | + | + | + | + | | |
| *Diad cinc* | + | 1 | 2 | 3 | 3 | 3 | 3 |
| *Diad luci* | | | | | | | |
| *Eude ramo* | | | | | | | |
| *Hydr echi* | | | | | | | |
| *Metr seni* | 1 | + | + | + | | | |
| *Saga trog* | 2 | 2 | 2 | | | | |
| *Sago unda* | | | | | | | |
| *Sert cupr* | | | | | 1 | 1 | 1 |
| *Tubu indi* | | 1 | 1 | 1 | 1 | 1 | 1 |
| *Amph figu* | | | | | | | |
| *Sabe pavo* | | | | r | | | |
| *Aeol papi* | + | r | | | | | |
| *Cras giga* | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Denn fron* | | | | | | | |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | | r | | |
| *Litt litt* | 1 | | | | | | |
| *Myti edul* | 2 | 1 | | | | | |
| *Ostr edul* | | | | | | | |
| *Canc pagu* | | | | | | r | |
| *Carc maen* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Cirr iped* | 2 | | | | | | |
| *Hipp vari* | | | | | | | |
| *Homa gamm* | + | + | + | + | + | + | + |
| *Hyas aran* | | | | | | | |
| *Lioc arcu* | | | r | | | | |
| *Lioc hols* | | | | | | | |
| *Macr rost* | | 2 | 2 | 2 | 2 | 2 | 2 |
| *Neco pube* | + | + | + | + | + | + | + |
| *Pagu bern* | + | + | + | | | | |

| jaar | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Bryo sp* | 2 | 3 | 2 | + | + | | |
| *Chae linu* | | | | | | | |
| *Codi frag* | + | + | + | | | | |
| *Codi fray* | | | | | | | |
| *Ente sp* | | | | | | | |
| *Ulva sp* | 2 | 2 | + | r | | | |
| *Dict dich* | 1 | + | | | | | |
| *Ecto carp* | | | | | | | |
| *Fucu vesi* | | | | | | | |
| *Lami sacc* | | + | + | | | | |
| *Sarg muti* | + | 1 | 1 | r | | | |
| *Spha sp* | | | | | | | |
| *Anti spir* | | | | | | | |
| *Anti vill* | + | 2 | 1 | + | r | | |
| *Call rose* | | | | | | | |
| *Cera cimb* | | | | | | | |
| *Cera diap* | | | | | | | |
| *Cera rodu* | 3 | 1 | | | | | |
| *Choa dasy* | | | | | | | |
| *Chon cris* | 3 | 1 | + | | | | |
| *Dasc sp* | | | | | | | |
| *Dumo cont* | | | | | | | |
| *Grac ver* | + | + | + | + | | | |
| *Grif devo* | | | | | | | |
| *Hypo hypo* | + | 1 | + | | | | |
| *Lome clav* | | | | | | | |
| *Phyl pseu* | | | | | | | |
| *Phym lena* | | | | | | | |
| *Poly elon* | + | + | | | | | |
| *Poly linco* | + | + | + | + | | | |
| *Poly harv* | | | | | | | |
| *Poly ngra* | | | | | | | |
| *Porp umbi* | | | | | | | |
| *Pter plum* | + | 2 | 1 | + | r | | |
| **Clio cela** | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Hali bowe** | + | + | 1 | 1 | 1 | 1 | 1 |
| **Hali pani** | | + | | | | | |
| **Hall ocul** | | | + | 1 | 1 | 1 | 1 |
| **Hall xena** | | | | | | | |
| **Hyme perl** | | | | | | | |
| **Myca micr** | | | | | | | + |
| **Camp amul** | | + | + | + | + | | |
| *Diad cinc* | + | 1 | 1 | 2 | 2 | 2 | 2 |
| *Diad luci* | | | | | | | |
| *Eude ramo* | | | | + | + | | + |
| *Hydr echi* | | | | | | | |
| *Metr seni* | + | + | + | 1 | 1 | 1 | 1 |
| *Saga trog* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Sago unda* | | | | + | | | |
| *Sert cupr* | | | | | | | |
| *Tubu indi* | | + | + | + | + | + | + |
| *Amph figu* | | | | | | | |
| *Sabe pavo* | | | | | | | |
| *Aeol papi* | | | | | + | + | |
| *Cras giga* | 1 | 2 | 2 | 3 | 2 | 2 | 2 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Denn fron* | | | | | | r | |
| *Elys viri* | | | | | | | |
| *Jano cris* | | | | r | | | |
| *Litt litt* | 2 | + | | | | | |
| *Myti edul* | 1 | + | | | | | |
| *Ostr edul* | | | | | | | |
| *Canc pagu* | | | | | | | |
| *Carc maen* | + | + | + | + | + | + | + |
| *Cirr iped* | | | | | + | + | |
| *Hipp vari* | | | | | | r | |
| *Homa gamm* | | | + | + | + | + | + |
| *Hyas aran* | | | | | r | | |
| *Lioc arcu* | | + | + | + | 1 | 1 | 1 |
| *Lioc hols* | | | | | | | |
| *Macr rost* | + | + | + | + | + | + | |
| *Neco pube* | | | | | | | |
| *Pagu bern* | | | r | r | r | r | r |

| jaar | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 |
| *Bryo sp* | | + | | | | | | |
| *Chae linu* | | + | | | | | | |
| *Codi frag* | | + | + | | | | | |
| *Codi fray* | | | | | | | | |
| *Ente sp* | | | | | | | | |
| *Ulva sp* | + | 1 | + | | | | | |
| *Dict dich* | + | | | | | | | |
| *Ecto carp* | | | | | | | | |
| *Fucu vesi* | + | | | | | | | |
| *Lami sacc* | | | | | | | | |
| *Sarg muti* | 1 | + | + | | | | | |
| *Spha sp* | | | | | | | | |
| *Anti spir* | | | | | | | | |
| *Anti vill* | | | + | + | + | + | | |
| *Call rose* | | + | + | | | | | |
| *Cera cimb* | | | | | | | | |
| *Cera diap* | | | + | | | | | |
| *Cera rodu* | | | | | | | | |
| *Choa dasy* | | + | + | + | | | | |
| *Chon cris* | 2 | 1 | + | r | | | | |
| *Dasc sp* | | | | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac ver* | + | + | | | | | | |
| *Grif devo* | | | | | | | | |
| *Hypo hypo* | | + | + | + | | | | |
| *Lome clav* | | | | | | | | |
| *Phyl pseu* | | r | | | | | | |
| *Phym lena* | | | | | | | | |
| *Poly elon* | | + | | | | | | |
| *Poly linco* | | + | + | | | | | |
| *Poly harv* | | | | | | | | |
| *Poly ngra* | | | | | | | | |
| *Porp umbi* | | | | | | | | |
| *Pter plum* | + | 1 | 1 | 1 | + | | | |
| **Clio cela** | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Hali bowe** | | | | + | + | + | | |
| **Hali pani** | | | + | + | + | + | + | |
| **Hall ocul** | | | | | | + | + | + |
| **Hall xena** | | | | | | | | |
| **Hyme perl** | | | | | r | | | |
| **Myca micr** | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| **Camp amul** | | | | | | | | |
| *Diad cinc* | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Diad luci* | | | | | | | | |
| *Eude ramo* | | | + | + | 1 | 1 | 1 | 1 |
| *Hydr echi* | | | | | | | | |
| *Metr seni* | + | 2 | 2 | 1 | 1 | 1 | 1 | 1 |
| *Saga trog* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Sago unda* | | | | | | | | |
| *Sert cupr* | | | | | + | + | + | + |
| *Tubu indi* | | | | | + | + | 1 | 1 |
| *Amph figu* | | | | | r | | | |
| *Sabe pavo* | | | | | | | | |
| *Aeol papi* | | | | | | | | |
| *Cras giga* | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Denn fron* | | | | | | | | |
| *Elys viri* | + | 1 | 1 | 1 | + | + | + | |
| *Jano cris* | | | | r | r | r | r | |
| *Litt litt* | 1 | | | | | | | |
| *Myti edul* | 2 | + | + | r | | | | |
| *Ostr edul* | | | | | | | | + |
| *Canc pagu* | | | | | | | | |
| *Carc maen* | + | + | + | + | + | + | + | + |
| *Cirr iped* | 2 | 1 | + | + | + | + | + | + |
| *Hipp vari* | | | | r | | | | |
| *Homa gamm* | | | | | + | + | + | + |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | + | + | + | + | + | + | 1 | 1 |
| *Lioc hols* | | | | | | | | |
| *Macr rost* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Neco pube* | | | | | r | r | | |
| *Pagu bern* | | | | | r | | | |

| jaar | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 |
| *Bryo sp* | | | | | | | | |
| *Chae linu* | | | | | | | | |
| *Codi frag* | | | | | | | | |
| *Codi fray* | | | | | | | | |
| *Ente sp* | + | | | | | | | |
| *Ulva sp* | 1 | + | + | | | | | |
| *Dict dich* | | r | | | | | | |
| *Ecto carp* | | | | | | | | |
| *Fucu vesi* | | | | | | | | |
| *Lami sacc* | | | | | | | | |
| *Sarg muti* | + | + | + | | | | | |
| *Spha sp* | | | | | | | | |
| *Anti spir* | | 1 | 1 | 1 | | | | |
| *Anti vill* | | | | | | | | |
| *Call rose* | | + | + | | | | | |
| *Cera cimb* | + | | | | | | | |
| *Cera diap* | | | | | | | | |
| *Cera rodu* | | | | | | | | |
| *Choa dasy* | + | 1 | 1 | + | | | | |
| *Chon cris* | 1 | + | + | | | | | |
| *Dasc sp* | | | | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac ver* | + | + | | | | | | |
| *Grif devo* | | | | | | | | |
| *Hypo hypo* | + | 1 | 1 | + | | | | |
| *Lome clav* | + | | | | | | | |
| *Phyl pseu* | | | | | | | | |
| *Phym lena* | | | | | | | | |
| *Poly elon* | | | | | | | | |
| *Poly linco* | + | + | + | | | | | |
| *Poly harv* | + | | | | | | | |
| *Poly ngra* | | | | | | | | |
| *Porp umbi* | | | | | | | | |
| *Pter plum* | + | 1 | 1 | 1 | | | | |
| **Clio cela** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Hali bowe** | 1 | 1 | 1 | 1 | 2 | 1 | + | + |
| **Hali pani** | | | | r | | | | |
| **Hall ocul** | | | + | + | + | + | + | + |
| **Hall xena** | | | | r | | | | |
| **Hyme perl** | | | | | r | | | |
| **Myca micr** | | | | + | + | + | | |
| **Camp amul** | | | + | + | + | 1 | 1 | + |
| *Diad cinc* | + | + | 1 | 1 | 1 | 1 | 2 | 2 |
| *Diad luci* | | | | | | | | |
| *Eude ramo* | | | + | + | + | + | + | + |
| *Hydr echi* | | | | | | r | | |
| *Metr seni* | | | + | + | 1 | 1 | 1 | |
| *Saga trog* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Sago unda* | | | | | | | | |
| *Sert cupr* | | | | | | | | |
| *Tubu indi* | | | + | + | + | + | + | + |
| *Amph figu* | | | | | | | | |
| *Sabe pavo* | | | | | | | | |
| *Aeol papi* | | | | | | | | |
| *Cras giga* | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Denn fron* | | | | | | | | |
| *Elys viri* | | | | | | | | |
| *Jano cris* | | | | | | | | |
| *Litt litt* | + | + | | | | | | |
| *Myti edul* | 2 | 1 | + | | | | | |
| *Ostr edul* | | + | 1 | 1 | 1 | 1 | 2 | 1 |
| *Canc pagu* | | | | | | | | |
| *Carc maen* | + | + | + | + | + | + | + | + |
| *Cirr iped* | 2 | 1 | 1 | 1 | 1 | 1 | | |
| *Hipp vari* | | | | | | r | | |
| *Homa gamm* | | | | r | r | r | r | r |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | | | | | + | + | + | + |
| *Lioc hols* | | | | | | | | |
| *Macr rost* | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Neco pube* | | | | + | + | + | + | + |
| *Pagu bern* | | | | | | + | + | + |

| jaar | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Bryo sp* | 1 | 2 | 1 | + | | | | |
| *Chae linu* | | | | | | | | |
| *Codi frag* | + | | | | | | | |
| *Codi fray* | | | | | | | | |
| *Ente sp* | + | | | | | | | |
| *Ulva sp* | 1 | 2 | | | | | | |
| *Dict dich* | 2 | 1 | + | + | | | | |
| *Ecto carp* | + | + | | | | | | |
| *Fucu vesi* | | | | | | | | |
| *Lami sacc* | | | | | | | | |
| *Sarg muti* | 1 | + | | | | | | |
| *Spha sp* | | | | | | | | |
| *Anti spir* | | + | + | + | | | | |
| *Anti vill* | | | | | | | | |
| *Call rose* | | | | | | | | |
| *Cera cimb* | | | | | | | | |
| *Cera diap* | | 1 | 2 | 2 | + | | | |
| *Cera rodu* | 1 | 2 | + | | | | | |
| *Choa dasy* | 2 | 1 | + | + | | | | |
| *Chon cris* | 2 | + | | | | | | |
| *Dasc sp* | + | + | | + | | | | |
| *Dumo cont* | 1 | | | | | | | |
| *Grac ver* | + | + | | | | | | |
| *Grif devo* | | + | + | + | | | | |
| *Hypo hypo* | 1 | 2 | 2 | 1 | + | | | |
| *Lome clav* | + | + | | | | | | |
| *Phyl pseu* | | | | | | | | |
| *Phym lena* | | | | | | | | |
| *Poly elon* | | + | + | + | | | | |
| *Poly linco* | + | + | + | | | | | |
| *Poly harv* | 1 | + | | | | | | |
| *Poly ngra* | | | | | | | | |
| *Porp umbi* | | | | | | | | |
| *Pter plum* | + | + | + | 1 | + | | | |
| **Clio cela** | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Hali bowe** | | | | | | | + | + |
| **Hali pani** | | | | | | | | |
| **Hall ocul** | | + | + | + | 1 | 1 | 1 | 1 |
| **Hall xena** | | | | | | r | | |
| **Hyme perl** | | | | | | | | |
| **Myca micr** | + | + | 1 | 1 | 1 | 1 | 1 | 1 |
| **Camp amul** | | | | | + | + | + | + |
| *Diad cinc* | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| *Diad luci* | | | | | | | | |
| *Eude ramo* | | + | 1 | 1 | 1 | 2 | 2 | 2 |
| *Hydr echi* | | + | + | + | + | + | + | + |
| *Metr seni* | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 |
| *Saga trog* | 1 | 2 | 2 | 2 | | | | |
| *Sago unda* | + | + | | | | | | |
| *Sert cupr* | | | | | | | + | |
| *Tubu indi* | | | + | + | + | + | + | + |
| *Amph figu* | | | | | | | | |
| *Sabe pavo* | | | | | | | | |
| *Aeol papi* | | | | | | | | |
| *Cras giga* | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Denn fron* | | | | | | | | |
| *Elys viri* | | | | | | | | |
| *Jano cris* | | | | | | | | |
| *Litt litt* | + | | | | | | | |
| *Myti edul* | 1 | + | | | | | | |
| *Ostr edul* | | | | | | | | |
| *Canc pagu* | | | | | | | | |
| *Carc maen* | + | + | + | + | + | + | + | + |
| *Cirr iped* | 1 | + | + | + | + | + | + | + |
| *Hipp vari* | | | | | | | | |
| *Homa gamm* | | | + | + | + | + | + | + |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | | | | | | | | |
| *Lioc hols* | | | | | r | r | r | r |
| *Macr rost* | | | | | | | 0 | |
| *Neco pube* | | | | | r | r | r | |
| *Pagu bern* | | + | + | + | + | + | + | + |

| jaar | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Bryo sp* | 4 | 3 | 1 | + | | | | |
| *Chae linu* | | | | | | | | |
| *Codi frag* | + | + | + | | | | | |
| *Codi fray* | | | | | | | | |
| *Ente sp* | | | | | | | | |
| *Ulva sp* | 2 | + | | | | | | |
| *Dict dich* | 2 | + | | | | | | |
| *Ecto carp* | | | | | | | | |
| *Fucu vesi* | | | | | | | | |
| *Lami sacc* | | | | | | | | |
| *Sarg muti* | 1 | 1 | | | | | | |
| *Spha sp* | | | | | | | | |
| *Anti spir* | | | | | | | | |
| *Anti vill* | | | | | | | | |
| *Call rose* | | | | | | | | |
| *Cera cimb* | | | | | | | | |
| *Cera diap* | + | 1 | 1 | 1 | | | | |
| *Cera rodu* | + | + | | | | | | |
| *Choa dasy* | 3 | 3 | | | | | | |
| *Chon cris* | 2 | + | | | | | | |
| *Dasc sp* | | | | | | | | |
| *Dumo cont* | | | | | | | | |
| *Grac ver* | | + | | | | | | |
| *Grif devo* | + | + | | | | | | |
| *Hypo hypo* | + | 1 | + | + | | | | |
| *Lome clav* | + | + | + | | | | | |
| *Phyl pseu* | | | | | | | | |
| *Phym lena* | + | | | | | | | |
| *Poly elon* | | | | | | | | |
| *Poly linco* | + | + | + | | | | | |
| *Poly harv* | | | + | + | | | | |
| *Poly ngra* | | | r | | | | | |
| *Porp umbi* | | | | | | | | |
| *Pter plum* | + | + | 1 | + | | | | |
| **Clio cela** | | | | + | + | | | |
| **Hali bowe** | | | r | r | r | | | |
| **Hali pani** | | | | | | | | |
| **Hall ocul** | | | | r | r | + | + | + |
| **Hall xena** | | | | | | | | |
| **Hyme perl** | | | | | | | | |
| **Myca micr** | | + | 1 | 1 | 1 | 1 | 1 | 1 |
| **Camp amul** | | | | | | r | + | + |
| *Diad cinc* | | | | 1 | 2 | 2 | 2 | 2 |
| *Diad luci* | | + | | | | | | |
| *Eude ramo* | | | | | | | | |
| *Hydr echi* | | | | | | | | |
| *Metr seni* | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Saga trog* | 1 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| *Sago unda* | 1 | 2 | 1 | | | | | |
| *Sert cupr* | | | | | | | | |
| *Tubu indi* | | | | | | | | r |
| *Amph figu* | | | | | | | | |
| *Sabe pavo* | | | | | | | | |
| *Aeol papi* | | | | | | | | |
| *Cras giga* | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Denn fron* | | | | | | | | |
| *Elys viri* | | | | | | | | |
| *Jano cris* | | | r | | | | | |
| *Litt litt* | 1 | 1 | | | | | | |
| *Myti edul* | 1 | 1 | | | | | | |
| *Ostr edul* | | | | | | | | |
| *Canc pagu* | | | | | | | | |
| *Carc maen* | 1 | 1 | + | + | + | + | + | + |
| *Cirr iped* | 2 | | | | | | | |
| *Hipp vari* | | | | | | | | |
| *Homa gamm* | + | + | + | + | + | + | + | + |
| *Hyas aran* | | | | | | | | |
| *Lioc arcu* | | | | | | | | |
| *Lioc hols* | | | | | | | | |
| *Macr rost* | | | | | | | | |
| *Neco pube* | | | | | | | | |
| *Pagu bern* | + | + | | | | + | | |

| jaar |
|---|
| ondergr. (m) |
| *Bryo sp* |
| *Chae linu* |
| *Codi frag* |
| *Codi fray* |
| *Ente sp* |
| *Ulva sp* |
| *Dict dich* |
| *Ecto carp* |
| *Fucu vesi* |
| *Lami sacc* |
| *Sarg muti* |
| *Spha sp* |
| *Anti spir* |
| *Anti vill* |
| *Call rose* |
| *Cera cimb* |
| *Cera diap* |
| *Cera rodu* |
| *Choa dasy* |
| *Chon cris* |
| *Dasc sp* |
| *Dumo cont* |
| *Grac ver* |
| *Grif devo* |
| *Hypo hypo* |
| *Lome clav* |
| *Phyl pseu* |
| *Phym lena* |
| *Poly elon* |
| *Poly linco* |
| *Poly harv* |
| *Poly ngra* |
| *Porp umbi* |
| *Pter plum* |
| **Clio cela** |
| **Hali bowe** |
| **Hali pani** |
| **Hall ocul** |
| **Hall xena** |
| **Hyme perl** |
| **Myca micr** |
| **Camp amul** |
| *Diad cinc* |
| *Diad luci* |
| *Eude ramo* |
| *Hydr echi* |
| *Metr seni* |
| *Saga trog* |
| *Sago unda* |
| *Sert cupr* |
| *Tubu indi* |
| *Amph figu* |
| *Sabe pavo* |
| *Aeol papi* |
| *Cras giga* |
| *Crep forn* |
| *Denn fron* |
| *Elys viri* |
| *Jano cris* |
| *Litt litt* |
| *Myti edul* |
| *Ostr edul* |
| *Canc pagu* |
| *Carc maen* |
| *Cirr iped* |
| *Hipp vari* |
| *Homa gamm* |
| *Hyas aran* |
| *Lioc arcu* |
| *Lioc hols* |
| *Macr rost* |
| *Neco pube* |
| *Pagu bern* |

Tabel 3.6 Gorishoek, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Pala adsp* | | | | | | | |
| *Pala eleg* | | r | + | + | + | | |
| *Pala serr* | | | | | | | |
| *Pand mont* | | r | | | | | |
| *Pilu hirt* | | | | | | | |
| *Alcy diap* | | | | | | | |
| *Angn palm* | | | | | | | |
| *Bice cili* | + | + | + | + | + | + | + |
| *Bugu plum* | | | | | | | |
| *Elec pilo* | | | | | | | |
| *Schi line* | | | | | | | |
| *Aste rube* | | + | + | + | + | + | + |
| *Ophi frag* | 2 | 2 | 3 | 3 | 4 | 4 | 3 |
| *Psam mili* | | | | | | | |
| *Apli glab* | | + | + | + | + | + | + |
| *Asci aspe* | | + | + | | | | |
| *Botr schl* | | | + | | | | |
| *Cion inte* | | + | 1 | 1 | 1 | 1 | 1 |
| *Dide macu* | | | | | | | |
| *Molg manh* | | | | | | | |
| *Stye clav* | + | + | + | + | + | + | + |
| *Calo lyra* | | | | | | | |
| *Enop buba* | | | | | | | |
| *Gobi nige* | | r | r | r | r | r | r |
| *Phol gunn* | | | | | | | |
| *Poll poll* | | | | | | | |
| *Poma minu* | | | | | | | |
| *Poma sp* | | | | | | | |
| *Syng rost* | | | | | | | |
| *Tris lusc* | | | | | | | |
| n soorten | 24 | 28 | 31 | 23 | 21 | 16 | 16 |
| *Aren mari* | | | | | | | |
| *Lani conc* | | | | | | | |
| *Gamm koke* | | | | | | | |
| *Athe pres* | | | | | | | |
| *Leuc vari* | x | | | | | | |
| *Pros epip* | x | | | | | | |
| *Scyp sp* | x | | | | | | |
| *Abie abie* | | | | | | | |
| *Clyt haem* | | | | | | | |
| *Cory sars* | | | | | | | |
| *Dyna pumi* | x | | | | | | |
| *Hale hale* | | | | | | | |
| *Flab affi* | | | | | | | |
| *Harm impa* | | | | | | | |
| *Leps squa* | | | | | | | |
| *Plan dume* | | | | | | | |
| *Pold sp* | | | | | | | |
| *Poln oida* | x | | | | | | |
| *Syll grac* | | | | | | | |
| *Typo hyal* | | | | | | | |
| *Vene sene* | | | | | | | |
| *Aora typi* | | | | | | | |
| *Atha nite* | | | | | | | |
| *Capr elli* | | | | | | | |
| *Capr line* | | | | | | | |
| *Capr mach* | | | | | | | |
| *Coro ache* | | | | | | | |
| *Coro sext* | | | | | | | |
| *Gamm locu* | | | | | | | |
| *Phth mari* | | | | | | | |
| *Pisi long* | | | | | | | |
| *Sten mari* | | | | | | | |
| *Ache echi* | | | | | | | |
| *Nymp sp* | x | | | | | | |
| *Scru scru* | x | | | | | | |
| *Dend gros* | x | | | | | | |

| jaar | 90 | 90 | 90 | 90 | 90 | 90 |
|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Pala adsp* | | | | | | | |
| *Pala eleg* | | | | | | | |
| *Pala serr* | | | | | | | |
| *Pand mont* | | | | | | | |
| *Pilu hirt* | | | | | | | |
| *Alcy diap* | | | | | | | |
| *Angn palm* | | | | | | | |
| *Bice cili* | | + | 1 | 1 | 1 | 1 | 1 |
| *Bugu plum* | | | | | | | |
| *Elec pilo* | + | | | | | | |
| *Schi line* | | r | | | | | |
| *Aste rube* | + | + | + | + | + | | |
| *Ophi frag* | 4 | 4 | 3 | 3 | 3 | 3 | 3 |
| *Psam mili* | r | | | | | | |
| *Apli glab* | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| *Asci aspe* | | | + | | | | |
| *Botr schl* | | | | | | | |
| *Cion inte* | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Dide macu* | | | | | | | |
| *Molg manh* | | | | | | | |
| *Stye clav* | + | + | 1 | 1 | 1 | 1 | 1 |
| *Calo lyra* | | | | | | | |
| *Enop buba* | | | 0 | | | | |
| *Gobi nige* | | + | + | + | + | | |
| *Phol gunn* | | | | | | | |
| *Poll poll* | 0 | 0 | | | | | |
| *Poma minu* | | | | | | | |
| *Poma sp* | | | | | | | |
| *Syng rost* | | | | | | | |
| *Tris lusc* | | r | | | | | |
| n soorten | 41 | 33 | 33 | 20 | 19 | 16 | 16 |
| *Aren mari* | | | | | | | |
| *Lani conc* | | | | | | | |
| *Gamm koke* | | | | | | | |
| *Athe pres* | | | | | | | |
| *Leuc vari* | | | | | | | |
| *Pros epip* | x | | | | | | |
| *Scyp sp* | x | | | | | | |
| *Abie abie* | | | | | | | |
| *Clyt haem* | | | | | | | |
| *Cory sars* | | | | | | | |
| *Dyna pumi* | | | | | | | |
| *Hale hale* | | | | | | | |
| *Flab affi* | | | | | | | |
| *Harm impa* | | | | | | | |
| *Leps squa* | | | | | | | |
| *Plan dume* | | | | | | | |
| *Pold sp* | | | | | | | |
| *Poln oida* | x | | | | | | |
| *Syll grac* | | | | | | | |
| *Typo hyal* | | | | | | | |
| *Vene sene* | | | | | | | |
| *Aora typi* | | | | | | | |
| *Atha nite* | | | | | | | |
| *Capr elli* | | | | | | | |
| *Capr line* | | | | | | | |
| *Capr mach* | | | | | | | |
| *Coro ache* | | | | | | | |
| *Coro sext* | | | | | | | |
| *Gamm locu* | | | | | | | |
| *Phth mari* | | | | | | | |
| *Pisi long* | | | | | | | |
| *Sten mari* | | | | | | | |
| *Ache echi* | | | | | | | |
| *Nymp sp* | | | | | | | |
| *Scru scru* | x | | | | | | |
| *Dend gros* | | | | | | | |

| jaar | 91 | 91 | 91 | 91 | 91 | 91 | 91 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Pala adsp* | | | | | | | |
| *Pala eleg* | + | 1 | 1 | + | | | |
| *Pala serr* | | | | | | | |
| *Pand mont* | | | | | | | |
| *Pilu hirt* | | | | | | | |
| *Alcy diap* | | | | | | | |
| *Angn palm* | | | | | | | |
| *Bice cili* | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Bugu plum* | | | | + | + | + | |
| *Elec pilo* | + | + | + | | | | |
| *Schi line* | | | | | | | |
| *Aste rube* | 1 | + | + | + | + | + | + |
| *Ophi frag* | r | r | r | r | r | r | |
| *Psam mili* | | r | r | r | r | r | r |
| *Apli glab* | | + | + | + | + | + | + |
| *Asci aspe* | 1 | 1 | 2 | 2 | 2 | 2 | 2 |
| *Botr schl* | | | | | | | |
| *Cion inte* | + | 1 | 2 | 2 | 2 | 2 | 2 |
| *Dide macu* | | | | | | | |
| *Molg manh* | | | | | | | |
| *Stye clav* | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| *Calo lyra* | | | | | | | |
| *Enop buba* | | + | + | + | + | + | + |
| *Gobi nige* | | + | + | + | | | |
| *Phol gunn* | | | 0 | | | | |
| *Poll poll* | | | | | | | |
| *Poma minu* | | | | | | | |
| *Poma sp* | | | | | r | | |
| *Syng rost* | | | | | | | |
| *Tris lusc* | | | | | | | |
| n soorten | 34 | 40 | 39 | 30 | 25 | 23 | 18 |
| *Aren mari* | | | | | | | |
| *Lani conc* | | | | | | | |
| *Gamm koke* | | | | | | | |
| *Athe pres* | | | | | | | |
| *Leuc vari* | x | | | | | | |
| *Pros epip* | x | | | | | | |
| *Scyp sp* | x | | | | | | |
| *Abie abie* | | | | | | | |
| *Clyt haem* | | | | | | | |
| *Cory sars* | x | | | | | | |
| *Dyna pumi* | | | | | | | |
| *Hale hale* | | | | | | | |
| *Flab affi* | x | | | | | | |
| *Harm impa* | | | | | | | |
| *Leps squa* | | | | | | | |
| *Plan dume* | | | | | | | |
| *Pold sp* | | | | | | | |
| *Poln oida* | x | | | | | | |
| *Syll grac* | | | | | | | |
| *Typo hyal* | | | | | | | |
| *Vene sene* | | | | | | | |
| *Aora typi* | | | | | | | |
| *Atha nite* | | | | | | | |
| *Capr elli* | | | | | | | |
| *Capr line* | | | | | | | |
| *Capr mach* | | | | | | | |
| *Coro ache* | | | | | | | |
| *Coro sext* | | | | | | | |
| *Gamm locu* | | | | | | | |
| *Phth mari* | | | | | | | |
| *Pisi long* | | | | | | | |
| *Sten mari* | | | | | | | |
| *Ache echi* | | | | | | | |
| *Nymp sp* | | | | | | | |
| *Scru scru* | x | | | | | | |
| *Dend gros* | | | | | | | |

| jaar | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Pala adsp* | | | | | | | |
| *Pala eleg* | | | | | r | | |
| *Pala serr* | | | | | | | |
| *Pand mont* | | | | | r | r | r |
| *Pilu hirt* | | | | | | | |
| *Alcy diap* | | | | | | | |
| *Angn palm* | | | | | | | |
| *Bice cili* | + | + | 1 | 1 | 1 | 1 | 1 |
| *Bugu plum* | | | | | | | |
| *Elec pilo* | | | + | + | + | | |
| *Schi line* | | | | | | | |
| *Aste rube* | + | + | + | + | + | + | + |
| *Ophi frag* | 1 | 2 | 3 | 1 | + | + | |
| *Psam mili* | | | | | r | | |
| *Apli glab* | | | | | | | |
| *Asci aspe* | | + | + | + | 1 | 1 | 1 |
| *Botr schl* | | | | | | | |
| *Cion inte* | r | + | + | + | + | + | + |
| *Dide macu* | | | | | | | |
| *Molg manh* | | | | | | | |
| *Stye clav* | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Calo lyra* | | | | | | | |
| *Enop buba* | | r | | | + | + | |
| *Gobi nige* | | | + | + | + | + | + |
| *Phol gunn* | | | | | | | |
| *Poll poll* | | | | | | | |
| *Poma minu* | | | | | | | |
| *Poma sp* | | | | | | | |
| *Syng rost* | | | | | | | |
| *Tris lusc* | | | | | | | |
| n soorten | 29 | 36 | 34 | 33 | 34 | 28 | 19 |
| *Aren mari* | | | | | | | |
| *Lani conc* | | 0 | | | + | | |
| *Gamm koke* | | | | | | | |
| *Athe pres* | | | | | | | |
| *Leuc vari* | x | | | | | | |
| *Pros epip* | x | | | | | | |
| *Scyp sp* | | | | | | | |
| *Abie abie* | x | | | | | | |
| *Clyt haem* | x | | | | | | |
| *Cory sars* | | | | | | | |
| *Dyna pumi* | | | | | | | |
| *Hale hale* | x | | | | | | |
| *Flab affi* | | | | | | | |
| *Harm impa* | | | | | | | |
| *Leps squa* | x | | | | | | |
| *Plan dume* | | | | | | | |
| *Pold sp* | | | | | | | |
| *Poln oida* | x | | | | | | |
| *Syll grac* | | | | | | | |
| *Typo hyal* | x | | | | | | |
| *Vene sene* | | | | | | | |
| *Aora typi* | x | | | | | | |
| *Atha nite* | | | | | | | |
| *Capr elli* | | | | | | | |
| *Capr line* | | | | | | | |
| *Capr mach* | | | | | | | |
| *Coro ache* | | | | | | | |
| *Coro sext* | | | | | | | |
| *Gamm locu* | | | | | | | |
| *Phth mari* | x | | | | | | |
| *Pisi long* | x | | | | | | |
| *Sten mari* | x | | | | | | |
| *Ache echi* | x | | | | | | |
| *Nymp sp* | | | | | | | |
| *Scru scru* | x | | | | | | |
| *Dend gros* | | | | | | | |

| jaar | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Pala adsp* | | | | | | | |
| *Pala eleg* | | | | | r | | |
| *Pala serr* | | | | | | | |
| *Pand mont* | | | | | | | |
| *Pilu hirt* | | | | | | | |
| *Alcy diap* | | | | | | | r |
| *Angn palm* | | | | r | | | |
| *Bice cili* | | + | + | 1 | 1 | 1 | 1 |
| *Bugu plum* | | | | + | + | + | + |
| *Elec pilo* | | | | | + | + | + |
| *Schi line* | | | | | | | |
| *Aste rube* | | | + | + | + | + | + |
| *Ophi frag* | 2 | 2 | 3 | 3 | 3 | 3 | 3 |
| *Psam mili* | | | | | r | | r |
| *Apli glab* | | | | | | | |
| *Asci aspe* | | | + | + | + | + | + |
| *Botr schl* | | | | | | | |
| *Cion inte* | | | + | + | + | + | + |
| *Dide macu* | | | | r | | | |
| *Molg manh* | | | | | | | |
| *Stye clav* | | 1 | 1 | 1 | 2 | 2 | 2 |
| *Calo lyra* | | | | r | | | |
| *Enop buba* | | | | | | | |
| *Gobi nige* | | | | + | + | + | + |
| *Phol gunn* | | | | | | | |
| *Poll poll* | | | | | | | |
| *Poma minu* | | | | | | | |
| *Poma sp* | | | | | | | |
| *Syng rost* | | | | | | | |
| *Tris lusc* | | | | | | | |
| n soorten | 19 | 30 | 32 | 36 | 34 | 32 | 31 | 26 |
| *Aren mari* | | | | | | | |
| *Lani conc* | | | | + | + | | r | |
| *Gamm koke* | | | | | | | |
| *Athe pres* | | | | | | | |
| *Leuc vari* | x | | | | | | |
| *Pros epip* | x | | | | | | |
| *Scyp sp* | | | | | | | |
| *Abie abie* | | | | | | | |
| *Clyt haem* | | | | | | | |
| *Cory sars* | | | | | | | |
| *Dyna pumi* | | | | | | | |
| *Hale hale* | | | | | | | |
| *Flab affi* | | | | | | | |
| *Harm impa* | | | | | | | |
| *Leps squa* | | | | | | | |
| *Plan dume* | x | | | | | | |
| *Pold sp* | | | | | | | |
| *Poln oida* | | | | | | | |
| *Syll grac* | x | | | | | | |
| *Typo hyal* | | | | | | | |
| *Vene sene* | | | | | | | |
| *Aora typi* | | | | | | | |
| *Atha nite* | | | | | | | |
| *Capr elli* | | | | | | | |
| *Capr line* | | | | | | | |
| *Capr mach* | | | | | | | |
| *Coro ache* | | | | | | | |
| *Coro sext* | x | | | | | | |
| *Gamm locu* | | | | | | | |
| *Phth mari* | x | | | | | | |
| *Pisi long* | x | | | | | | |
| *Sten mari* | | | | | | | |
| *Ache echi* | x | | | | | | |
| *Nymp sp* | | | | | | | |
| *Scru scru* | x | | | | | | |
| *Dend gros* | | | | | | | |

| jaar | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 |
| *Pala adsp* | | | | | | | | |
| *Pala eleg* | + | + | + | + | | | | |
| *Pala serr* | | | | | | r | r | r |
| *Pand mont* | | | | | | | | |
| *Pilu hirt* | | | | | | | | r |
| *Alcy diap* | | | | | | | | r |
| *Angn palm* | | | + | | | | | |
| *Bice cili* | | | + | + | + | + | + | + |
| *Bugu plum* | | | 1 | 1 | 1 | + | | |
| *Elec pilo* | | | | | + | + | + | |
| *Schi line* | | | | | | | | |
| *Aste rube* | | + | + | + | + | + | + | + |
| *Ophi frag* | 2 | + | + | 1 | 3 | 3 | 4 | 2 |
| *Psam mili* | | | | | r | | r | |
| *Apli glab* | | | | | r | r | | |
| *Asci aspe* | | | | | | r | | |
| *Botr schl* | | | | | | | | |
| *Cion inte* | | | | | + | + | + | |
| *Dide macu* | | | r | r | + | + | | |
| *Molg manh* | | | | | | | | |
| *Stye clav* | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 |
| *Calo lyra* | | | | | | | | |
| *Enop buba* | | | | | | r | | |
| *Gobi nige* | | | | | | r | r | |
| *Phol gunn* | | | | | | | | |
| *Poll poll* | | | | | | | | |
| *Poma minu* | | | | | | | | |
| *Poma sp* | | | | | | r | | |
| *Syng rost* | | | | | | | | |
| *Tris lusc* | | | | | | | | |
| n soorten | 25 | 27 | 33 | 31 | 29 | 36 | 29 | 25 |
| *Aren mari* | | | | | | | | |
| *Lani conc* | | | | | | | | |
| *Gamm koke* | | | | + | 1 | 3 | 2 | 4 |
| *Athe pres* | | | | | | | | |
| *Leuc vari* | x | | | | | | | |
| *Pros epip* | x | | | | | | | |
| *Scyp sp* | x | | | | | | | |
| *Abie abie* | | | | | | | | |
| *Clyt haem* | x | | | | | | | |
| *Cory sars* | | | | | | | | |
| *Dyna pumi* | | | | | | | | |
| *Hale hale* | | | | | | | | |
| *Flab affi* | | | | | | | | |
| *Harm impa* | | | | | | | | |
| *Leps squa* | x | | | | | | | |
| *Plan dume* | | | | | | | | |
| *Pold sp* | x | | | | | | | |
| *Poln oida* | | | | | | | | |
| *Syll grac* | | | | | | | | |
| *Typo hyal* | | | | | | | | |
| *Vene sene* | | | | | | | | |
| *Aora typi* | | | | | | | | |
| *Atha nite* | x | | | | | | | |
| *Capr elli* | | | | | | | | |
| *Capr line* | | | | | | | | |
| *Capr mach* | | | | | | | | |
| *Coro ache* | | | | | | | | |
| *Coro sext* | x | | | | | | | |
| *Gamm locu* | | | | | | | | |
| *Phth mari* | | | | | | | | |
| *Pisi long* | x | | | | | | | |
| *Sten mari* | | | | | | | | |
| *Ache echi* | x | | | | | | | |
| *Nymp sp* | | | | | | | | |
| *Scru scru* | x | | | | | | | |
| *Dend gros* | x | | | | | | | |

| jaar | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Pala adsp* | | r | | | | | | |
| *Pala eleg* | | | | | | | | |
| *Pala serr* | | | | | | | | |
| *Pand mont* | | | | | | | | |
| *Pilu hirt* | | | | | | | | |
| *Alcy diap* | | | | | | | | |
| *Angn palm* | | | | | | | | |
| *Bice cili* | | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| *Bugu plum* | | | + | 2 | 1 | + | + | + |
| *Elec pilo* | | + | | | | | | |
| *Schi line* | | | | | | | | |
| *Aste rube* | + | + | + | + | + | + | + | + |
| *Ophi frag* | | | | | | | | |
| *Psam mili* | | | | | | | | |
| *Apli glab* | | | | | | | | |
| *Asci aspe* | | | + | + | + | + | + | + |
| *Botr schl* | | | | | | | | |
| *Cion inte* | | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| *Dide macu* | | + | + | + | + | + | 1 | 1 |
| *Molg manh* | | | | | | | | + |
| *Stye clav* | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Calo lyra* | + | + | + | + | + | + | + | + |
| *Enop buba* | | | | | | + | + | + |
| *Gobi nige* | | | | + | + | + | + | + |
| *Phol gunn* | | | | | r | | | |
| *Poll poll* | | | | | | | | |
| *Poma minu* | | | + | + | + | | | + |
| *Poma sp* | | | | | | | | |
| *Syng rost* | | | | | | | | |
| *Tris lusc* | | | | | | | | |
| n soorten | 31 | 42 | 35 | 35 | 31 | 28 | 30 | 29 |
| *Aren mari* | | + | | | | | | |
| *Lani conc* | | r | r | r | | | | |
| *Gamm koke* | | | | | | | | |
| *Athe pres* | | | | | | | | |
| *Leuc vari* | x | | | | | | | |
| *Pros epip* | x | | | | | | | |
| *Scyp sp* | | | | | | | | |
| *Abie abie* | | | | | | | | |
| *Clyt haem* | x | | | | | | | |
| *Cory sars* | | | | | | | | |
| *Dyna pumi* | | | | | | | | |
| *Hale hale* | | | | | | | | |
| *Flab affi* | x | | | | | | | |
| *Harm impa* | | | | | | | | |
| *Leps squa* | | | | | | | | |
| *Plan dume* | x | | | | | | | |
| *Pold sp* | x | | | | | | | |
| *Poln oida* | | | | | | | | |
| *Syll grac* | | | | | | | | |
| *Typo hyal* | | | | | | | | |
| *Vene sene* | | | | | | | | |
| *Aora typi* | | | | | | | | |
| *Atha nite* | | | | | | | | |
| *Capr elli* | | | | | | | | |
| *Capr line* | | | | | | | | |
| *Capr mach* | x | | | | | | | |
| *Coro ache* | x | | | | | | | |
| *Coro sext* | x | | | | | | | |
| *Gamm locu* | | | | | | | | |
| *Phth mari* | | | | | | | | |
| *Pisi long* | | | | | | | | |
| *Sten mari* | x | | | | | | | |
| *Ache echi* | | | | | | | | |
| *Nymp sp* | | | | | | | | |
| *Scru scru* | x | | | | | | | |
| *Dend gros* | | | | | | | | |

| jaar | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Pala adsp* | | | | | | | | |
| *Pala eleg* | | | | | | | | |
| *Pala serr* | | | | | | | | |
| *Pand mont* | | | | | | | | |
| *Pilu hirt* | | | | | | | | |
| *Alcy diap* | | | | | | | | |
| *Angn palm* | | | | | | | | |
| *Bice cili* | | | + | + | + | + | + | + |
| *Bugu plum* | + | + | + | 1 | 2 | 2 | 1 | 1 |
| *Elec pilo* | | | | | | | | |
| *Schi line* | | | | | | | | |
| *Aste rube* | + | 1 | + | + | | | | |
| *Ophi frag* | | | | | | | | |
| *Psam mili* | | | | | | | | |
| *Apli glab* | | | r | | | | | |
| *Asci aspe* | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Botr schl* | | | | | | | | |
| *Cion inte* | | 2 | 2 | 2 | 2 | 1 | 1 | 1 |
| *Dide macu* | + | 1 | 2 | 2 | 3 | 3 | 2 | 2 |
| *Molg manh* | | | | | | | | |
| *Stye clav* | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| *Calo lyra* | | | | | | | | |
| *Enop buba* | | | | | | | | |
| *Gobi nige* | | | | | | | | |
| *Phol gunn* | r | | | | | | | |
| *Poll poll* | | | | | | | | |
| *Poma minu* | | | | | | | | |
| *Poma sp* | + | + | | | | | | |
| *Syng rost* | | | r | | | | | |
| *Tris lusc* | | | | | | | | |
| n soorten | 31 | 34 | 28 | 23 | 17 | 16 | 16 | 17 |
| *Aren mari* | | | r | | | | | |
| *Lani conc* | | | | | | | | |
| *Gamm koke* | | | | | | | | |
| *Athe pres* | | 0 | | | | | | |
| *Leuc vari* | x | | | | | | | |
| *Pros epip* | x | | | | | | | |
| *Scyp sp* | x | | | | | | | |
| *Abie abie* | | | | | | | | |
| *Clyt haem* | | | | | | | | |
| *Cory sars* | | | | | | | | |
| *Dyna pumi* | | | | | | | | |
| *Hale hale* | | | | | | | | |
| *Flab affi* | | | | | | | | |
| *Harm impa* | x | | | | | | | |
| *Leps squa* | x | | | | | | | |
| *Plan dume* | x | | | | | | | |
| *Pold sp* | x | | | | | | | |
| *Poln oida* | | | | | | | | |
| *Syll grac* | | | | | | | | |
| *Typo hyal* | | | | | | | | |
| *Vene sene* | x | | | | | | | |
| *Aora typi* | | | | | | | | |
| *Atha nite* | | | | | | | | |
| *Capr elli* | | | | | | | | |
| *Capr line* | x | | | | | | | |
| *Capr mach* | | | | | | | | |
| *Coro ache* | | | | | | | | |
| *Coro sext* | x | | | | | | | |
| *Gamm locu* | x | | | | | | | |
| *Phth mari* | | | | | | | | |
| *Pisi long* | | | | | | | | |
| *Sten mari* | | | | | | | | |
| *Ache echi* | x | | | | | | | |
| *Nymp sp* | | | | | | | | |
| *Scru scru* | x | | | | | | | |
| *Dend gros* | | | | | | | | |

Tabel 3.7 Wemeldinge, Braun-Blanquetopnamen 1989-1997

| jaar / ondergr. (m) | 89 1 | 89 2 | 89 3 | 89 5 | 89 7 | 89 9 | 89 15 | 90 1 | 90 2 | 90 3 | 90 5 | 90 7 | 90 9 | 90 15 | 91 1 | 91 2 | 91 3 | 91 5 | 91 7 | 91 9 | 91 15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bryo sp | + | 1 | + | | | | | 2 | 2 | 1 | + | | | | 2 | 2 | 1 | | | | |
| Chae mela | + | + | | | | | | | | | | | | | | | | | | | |
| Clad rupe | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | |
| Clad sp | | | | | | | | | | | | | | | | | | | | | |
| Codi frag | 2 | 1 | + | | | | | | | | | | | | + | 1 | + | | | | |
| Codi frgy | | | | | | | | | | | | | | | | + | 1 | + | | | |
| Enta sp | | | | | | | | | | | | | | | | | | | | | |
| Ulva sp | 3 | 2 | + | | | | | 3 | 1 | + | | | | | 2 | 1 | | | | | |
| Dict dich | | | | | | | | + | + | | | | | | + | | | | | | |
| Ecto carp | 2 | 2 | + | | | | | | | | | | | | 1 | 2 | + | | | | |
| Fucu serr | | | | | | | | | | | | | | | | | | | | | |
| Lami sacc | 1 | 2 | + | | | | | | | | | | | | | | | | | | |
| Sarg muti | 3 | 2 | | | | | | | r | | | | | | + | + | | | | | |
| Spha sp | + | + | | | | | | | | | | | | | | | | | | | |
| Anti spir | | | | | | | | | | | | | | | | | | | | | |
| Anti vill | | | | | | | | + | 1 | 1 | + | | | | 2 | 2 | 1 | + | | | |
| Call cory | | | | | | | | | | | | | | | | | | | | | |
| Call rose | | | | | | | | | | | | | | | | | | | | | |
| Call tetr | | | | | | | | | | | | | | | | | | | | | |
| Cera cimb | | | | | | | | | | | | | | | | | | | | | |
| Cera desl | | | | | | | | + | + | | | | | | | | | | | | |
| Cera diap | | | | | | | | | | | | | | | | | | | | | |
| Cera modu | 3 | 2 | + | r | | | | 2 | 1 | + | | | | | + | + | | | | | |
| Choa dasy | | | | | | | | | | | | | | | | | | | | | |
| Chorr cris | 1 | | | | | | | 2 | + | | | | | | 2 | 1 | | | | | |
| Dass sp | | | | | | | | | | | | | | | | | | | | | |
| Grac verr | | | | | | | | + | 1 | 1 | r | | | | + | + | | | | | |
| Grif devo | | | | | | | | | | | | | | | 0 | 0 | | | | | |
| Hild rubr | | | | | | | | | | | | | | | | | | | | | |
| Hypo hypo | + | + | + | r | | | | + | 2 | 1 | + | | | | 2 | 3 | 1 | + | | | |
| Lome clav | | | | | | | | | | | | | | | | | | | | | |
| Phyt pseu | | + | + | r | | | | 1 | 2 | 1 | r | | | | | + | | | | | |
| Phym leno | 1 | | | | | | | | | | | | | | | | | | | | |
| Poly elon | | | | | | | | | | | | | | | | | | | | | |
| Poly fuco | 2 | 2 | + | + | | | | 2 | + | + | | | | | 1 | 1 | + | | | | |
| Poly harv | | | | | | | | | | | | | | | | | | | | | |
| Poly mgra | + | 1 | 1 | r | | | | | 1 | 1 | r | | | | + | + | + | + | | | |
| Poly stri | | | | | | | | | | | | | | | | | | | | | |
| Porp umbi | + | | | | | | | | | | | | | | | | | | | | |
| Pter plum | 1 | 2 | 1 | + | | | | + | 1 | 1 | + | | | | 0 | 0 | 0 | 0 | | | |
| Clio cela | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hali bowe | | | | | | | | | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hali pani | | 1 | + | + | + | + | + | | | | | | | | + | 1 | 1 | 1 | 1 | 1 | 1 |
| Hall ocul | | + | + | + | + | + | + | r | 1 | 1 | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 | 1 | 1 | 1 |
| Hall xena | | | | | | | | | | | | | | | | | | | | | |
| Myca micr | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | |
| Camp anul | | + | + | + | | | | | | | + | | | | | | | + | + | + | + |
| Diad cinc | r | + | 2 | 3 | 3 | 3 | 3 | + | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 |
| Eude ramo | + | + | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | |
| Hale hale | | | + | + | | | | | | | | | | | | | | | | | |
| Hydr echi | | | | | | | | | | | | | | | | | | | | | |
| Metr seni | r | r | r | r | r | r | r | r | + | 1 | 1 | 1 | 1 | 1 | + | + | + | + | + | + | + |
| Saga trog | 2 | 2 | 1 | + | + | + | + | 2 | 2 | 1 | 1 | 1 | + | + | 1 | 1 | + | | | | |
| Sago unda | + | + | + | | | | | | | | | | | | | | | | | | |
| Sert cupr | | + | + | + | | | | | | | | | | | r | + | + | + | + | + | + |
| Tubu indi | | 1 | 2 | 2 | 1 | 1 | 1 | | + | | 1 | 1 | 1 | 1 | | | | | | | |
| Amph figu | | | | | | | | | | | | | | | | | | | | | |
| Aeol papi | | | | | | | | | | | | | | | 1 | 1 | + | + | + | | |
| Bucc unda | | | + | + | + | + | + | | | | | | | | r | | | | | | |
| Cras giga | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | + | + | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Crep forn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Denn fron | | + | + | + | + | + | + | | | | | | | | | | | | | | |
| Elys viri | | | | | | | | | | | | | | | | | | | | | |
| Jano cris | | | | | | | | | | | | | | | | | | | | | |
| Litt litt | 1 | | | | | | | 1 | + | | | | | | 1 | | | | | | |
| Litt obtu | | | | | | | | | | | | | | | | | | | | | |
| Myti edul | + | + | | | | | | | | | | | | | + | | | | | | |
| Ostr edul | | | r | r | r | r | r | | | | | | | | | | | | | | |
| Canc pagu | | | | | | | | | | r | | | | | | | | | | | |
| Carc maen | + | + | + | + | + | + | + | 1 | 1 | 1 | + | | | | + | + | + | + | + | + | + |
| Cirripedi | + | + | | | | | | 1 | 1 | + | | | | | + | | | | | | |
| Hemi lamo | | | | | | | | | | | | | | | | | | | | | |
| Hipp vari | | | | | | | | | | | | | | | | | | | | | |
| Homa gamm | | | + | | | | | | | | | | | r | | r | r | r | r | r | r |
| Hyas aran | | | | | | | | | | | | | | | | | | | | | |

| jaar / ondergr. (m) | 93 1 | 93 2 | 93 3 | 93 5 | 93 7 | 93 9 | 93 15 | 94 1 | 94 2 | 94 3 | 94 5 | 94 7 | 94 9 | 94 15 | 94 22 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bryo sp | 2 | 3 | 1 | + | | | | | + | | | | | | |
| Chae mela | | | | | | | | | | | | | | | |
| Clad rupe | | | | | | | | | | | | | | | |
| Clad sp | | | | | | | | | | | | | | | |
| Codi frag | + | + | + | | | | | | | | | | | | |
| Codi frgy | | | | | | | | | | | | | | | |
| Enta sp | | | | | | | | | | | | | | | |
| Ulva sp | 2 | 2 | + | | | | | 1 | 2 | + | | | | | |
| Dict dich | + | | | | | | | + | + | | | | | | |
| Ecto carp | 1 | 2 | + | | | | | | | | | | | | |
| Fucu serr | | | | | | | | | | | | | | | |
| Lami sacc | | | | | | | | | | | | | | | |
| Sarg muti | 3 | 1 | + | | | | | 1 | 2 | + | | | | | |
| Spha sp | | | | | | | | | | | | | | | |
| Anti spir | | | | | | | | | | | | | | | |
| Anti vill | 1 | 1 | + | + | | | | + | 1 | 2 | 1 | | | | |
| Call cory | | | | | | | | | | | | | | | |
| Call rose | | | | | | | | | | | | | | | |
| Call tetr | | | | | | | | | | | | | | | |
| Cera cimb | | | | | | | | | | | | | | | |
| Cera desl | | | | | | | | | | | | | | | |
| Cera diap | | | | | | | | | + | | | | | | |
| Cera modu | 1 | 1 | r | | | | | | | | | | | | |
| Choa dasy | | | | | | | | | + | | | | | | |
| Chorr cris | 2 | + | | | | | | 3 | 1 | | | | | | |
| Dass sp | | | | | | | | | | | | | | | |
| Grac verr | + | + | | | | | | + | | | | | | | |
| Grif devo | | | | | | | | | | | | | | | |
| Hild rubr | | | | | | | | | | | | | | | |
| Hypo hypo | 1 | 2 | 2 | + | | | | + | + | + | + | | | | |
| Lome clav | | | | | | | | + | | | | | | | |
| Phyt pseu | 1 | 1 | + | | | | | | | | | | | | |
| Phym leno | | | | | | | | | | | | | | | |
| Poly elon | | | | | | | | | + | | | | | | |
| Poly fuco | 2 | 2 | 1 | | | | | + | 1 | 1 | | | | | |
| Poly harv | | | | | | | | | | | | | | | |
| Poly mgra | | | | | | | | + | + | + | | | | | |
| Poly stri | | | | | | | | | + | | | | | | |
| Porp umbi | | | | | | | | | | | | | | | |
| Pter plum | 2 | 2 | 2 | 1 | | | | + | + | 1 | 1 | | | | |
| Clio cela | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | 0 | 0 | 0 | 0 | 0 | 0 |
| Hali bowe | | + | + | 1 | 1 | 1 | 1 | | | | | | | | |
| Hali pani | | + | 1 | 1 | 1 | 1 | 1 | | | + | 1 | 1 | 1 | 1 | 1 |
| Hall ocul | | | | 1 | 1 | 1 | 1 | | + | + | + | + | + | + | + |
| Hall xena | | | | | | | | | | | | | | r | |
| Myca micr | | + | + | + | + | | | | | | | | | | |
| Camp anul | | | | + | + | + | + | | | + | + | + | + | + | + |
| Diad cinc | 1 | 2 | 3 | 2 | 2 | 2 | 2 | | + | 1 | 1 | 1 | 1 | 1 | 1 |
| Eude ramo | | | | | | | | | | | | | | | |
| Hale hale | | | | | | | | | | | | | | | |
| Hydr echi | | | | | | | | | | | | | | | |
| Metr seni | | + | + | + | | | | | | 1 | + | + | + | + | + |
| Saga trog | 1 | 1 | 1 | | | | | | + | + | + | + | + | + | + |
| Sago unda | | | | | | | | | + | + | | | | | |
| Sert cupr | | | | | | | | | | | | | | | |
| Tubu indi | + | + | 1 | + | + | + | + | | | | | | + | + | + |
| Amph figu | | | | | | | | | | | | | | | |
| Aeol papi | | | | | | | | | | | | | | | |
| Bucc unda | | | | | | | | | | | | | | | |
| Cras giga | 2 | 3 | 4 | 4 | 4 | 4 | 3 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 4 |
| Crep forn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Denn fron | | | | | | | | | | | | | | | |
| Elys viri | | | | | | | | + | 1 | 1 | + | + | + | r | r |
| Jano cris | | | | | | | | | | | | | | r | |
| Litt litt | 1 | + | + | | | | | 1 | + | | | | | | |
| Litt obtu | | | | | | | | | | | | | | | |
| Myti edul | 2 | | | | | | | | | | | | | | |
| Ostr edul | | | | | | | | | | | | | | | |
| Canc pagu | r | + | + | + | r | r | r | | | | | | | | r |
| Carc maen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cirripedi | | | | | | | | + | + | + | + | + | | | |
| Hemi lamo | | | | | | | | | | | | | | | r |
| Hipp vari | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | + |
| Homa gamm | | r | r | | | | | | | | + | + | + | + | + |
| Hyas aran | | | | | | | | | | | | | | | r |

| jaar / ondergr. (m) | 95 1 | 95 2 | 95 3 | 95 5 | 95 7 | 95 9 | 95 15 | 95 22 | 96 1 | 96 2 | 96 3 | 96 5 | 96 7 | 96 9 | 96 15 | 96 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bryo sp | | | | | | | | | 1 | 1 | | | | | | |
| Chae mela | | | | | | | | | | | | | | | | |
| Clad rupe | | | | | | | | | | | | | | | | |
| Clad sp | | | | | | | | | + | + | | | | | | |
| Codi frag | | | | | | | | | + | + | | | | | | |
| Codi frgy | | | | | | | | | | | | | | | | |
| Enta sp | | | | | | | | | + | | | | | | | |
| Ulva sp | 1 | + | | | | | | | 3 | 2 | | | | | | |
| Dict dich | + | + | | | | | | | 2 | 1 | | | | | | |
| Ecto carp | | | | | | | | | 1 | 1 | | | | | | |
| Fucu serr | | | | | | | | | + | | | | | | | |
| Lami sacc | | | | | | | | | | | | | | | | |
| Sarg muti | + | 2 | + | | | | | | 2 | 1 | | | | | | |
| Spha sp | | | | | | | | | | | | | | | | |
| Anti spir | + | 2 | 1 | + | | | | | + | + | + | + | | | | |
| Anti vill | | | | | | | | | | | | | | | | |
| Call cory | | | | | | | | | + | + | | | | | | |
| Call rose | | | | | | | | | | | | | | | | |
| Call tetr | + | + | + | | | | | | | | | | | | | |
| Cera cimb | | + | + | + | | | | | | | | | | | | |
| Cera desl | | | | | | | | | | | | | | | | |
| Cera diap | | | | | | | | | + | 1 | 1 | 1 | + | | | |
| Cera modu | | | | | | | | | 2 | 2 | + | + | | | | |
| Choa dasy | + | 1 | 1 | + | | | | | + | + | + | | | | | |
| Chorr cris | 3 | 1 | + | | | | | | 2 | + | | | | | | |
| Dass sp | | | | | | | | | + | 1 | 1 | + | | | | |
| Grac verr | | r | | | | | | | 2 | 2 | | | | | | |
| Grif devo | | + | + | + | | | | | 1 | 2 | 1 | + | | | | |
| Hild rubr | | | | | | | | | + | | | | | | | |
| Hypo hypo | + | 1 | 1 | + | | | | | 1 | 2 | 1 | + | + | | | |
| Lome clav | | + | + | | | | | | + | 1 | + | + | | | | |
| Phyt pseu | | | | | | | | | | | | | | | | |
| Phym leno | | | | | | | | | + | | | | | | | |
| Poly elon | + | + | + | | | | | | | | | | | | | |
| Poly fuco | | 1 | 1 | 1 | | | | | + | + | + | | | | | |
| Poly harv | | | | | | | | | + | + | | | | | | |
| Poly mgra | | + | + | + | | | | | | | + | + | | | | |
| Poly stri | | | | | | | | | | + | | | | | | |
| Porp umbi | | | | | | | | | r | | | | | | | |
| Pter plum | + | 1 | + | + | | | | | 1 | 1 | 1 | + | + | | | |
| Clio cela | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 | | | | |
| Hali bowe | + | + | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | + | + | + |
| Hali pani | | | | | | | | | | | | | | | + | |
| Hall ocul | | | | | + | + | + | + | + | + | + | + | + | 1 | 1 | 1 |
| Hall xena | | | | | | | | | | | | + | | | | |
| Myca micr | | | | + | + | + | + | + | | | + | + | 1 | 1 | 2 | 2 |
| Camp anul | | | | | + | + | + | + | | | | + | + | + | + | 1 |
| Diad cinc | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| Eude ramo | | | | | | | | | | | | | | | | + |
| Hale hale | | | | | | | | | | | | r | | | | |
| Hydr echi | | | | | | | | | | + | + | + | + | + | + | + |
| Metr seni | + | + | + | + | + | + | + | | 1 | 1 | 2 | 2 | | | | |
| Saga trog | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| Sago unda | | | + | | | | | | 1 | 1 | 1 | 1 | | | | |
| Sert cupr | | | | | | | | | | | | | | | | |
| Tubu indi | | | | | + | + | + | + | | | | | | | | r |
| Amph figu | | | | | | | | | | | | + | | | | |
| Aeol papi | | | | | | | | | | | | | | | | |
| Bucc unda | | | | | | | | | | | | | | | | |
| Cras giga | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |
| Crep forn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Denn fron | | | | | | | | | | | | | | | | |
| Elys viri | | | | | | | | | | | | | | | | |
| Jano cris | | | | | | | | | | | | | | | | |
| Litt litt | + | | | | | | | | + | + | | | | | | |
| Litt obtu | | | | | | | | | + | | | | | | | |
| Myti edul | 1 | + | | | | | | | + | + | + | + | | | | |
| Ostr edul | 1 | 1 | 1 | + | + | | | | | | | | | | | |
| Canc pagu | | | | | + | + | + | | | | | | | | | |
| Carc maen | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cirripedi | 2 | 2 | 1 | 1 | + | | | | + | + | + | + | + | r | r | r |
| Hemi lamo | | | | | | | | | | | | | | | | |
| Hipp vari | | | | | r | r | r | | | | | | | | | |
| Homa gamm | + | + | + | + | + | + | + | + | | | + | + | + | + | + | + |
| Hyas aran | | | | | | | | | | | | | | | | |

| jaar / ondergr. (m) | 97 1 | 97 2 | 97 3 | 97 5 | 97 7 | 97 9 | 97 15 | 97 20 |
|---|---|---|---|---|---|---|---|---|
| Bryo sp | 3 | 4 | 1 | | | | | |
| Chae mela | | | | | | | | |
| Clad rupe | | | | | | | | |
| Clad sp | | | | | | | | |
| Codi frag | + | + | | | | | | |
| Codi frgy | | | | | | | | |
| Enta sp | | | | | | | | |
| Ulva sp | 2 | 1 | | | | | | |
| Dict dich | + | | | | | | | |
| Ecto carp | | | | | | | | |
| Fucu serr | | | | | | | | |
| Lami sacc | | | | | | | | |
| Sarg muti | 3 | 2 | | | | | | |
| Spha sp | | | | | | | | |
| Anti spir | | + | + | | | | | |
| Anti vill | | | | | | | | |
| Call cory | | | | | | | | |
| Call rose | + | + | | | | | | |
| Call tetr | | | | | | | | |
| Cera cimb | | | | | | | | |
| Cera desl | | | | | | | | |
| Cera diap | + | + | + | + | + | | | |
| Cera modu | + | + | 1 | + | r | | | |
| Choa dasy | 1 | 1 | + | + | | | | |
| Chorr cris | 1 | | | | | | | |
| Dass sp | | | | | | | | |
| Grac verr | | | r | | | | | |
| Grif devo | | + | 1 | + | r | | | |
| Hild rubr | | | | | | | | |
| Hypo hypo | + | 1 | + | + | + | | | |
| Lome clav | | + | + | + | | | | |
| Phyt pseu | | | | | | | | |
| Phym leno | | | | | | | | |
| Poly elon | | | | | | | | |
| Poly fuco | 1 | 2 | + | r | | | | |
| Poly harv | + | + | + | + | | | | |
| Poly mgra | + | + | + | + | r | | | |
| Poly stri | | | + | r | r | | | |
| Porp umbi | | | | | | | | |
| Pter plum | r | + | + | + | + | | | |
| Clio cela | | 0 | | | | | | |
| Hali bowe | | | | + | + | + | + | + |
| Hali pani | | | | | | | | |
| Hall ocul | | + | + | + | + | | | |
| Hall xena | | | | | | | | |
| Myca micr | | | | + | 1 | 1 | 1 | 1 |
| Camp anul | | | | | | | | |
| Diad cinc | | + | 1 | 1 | 1 | 2 | 2 | 2 |
| Eude ramo | | | | | | | | |
| Hale hale | | | | | | | | |
| Hydr echi | | | | | | | | |
| Metr seni | | + | 2 | 2 | + | | | |
| Saga trog | | 2 | 2 | 2 | | | | |
| Sago unda | | 2 | 2 | 1 | | | | |
| Sert cupr | | | | | r | | | |
| Tubu indi | | | + | + | | | | r |
| Amph figu | | | | | | | | |
| Aeol papi | | | | | | | | |
| Bucc unda | | | | | | | | |
| Cras giga | 2 | 2 | 2 | 2 | 3 | 3 | 4 | 4 |
| Crep forn | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Denn fron | | | | | | | | |
| Elys viri | | | | | | | | |
| Jano cris | | | | | | | | |
| Litt litt | + | + | | | | | | |
| Litt obtu | | | | | | | | |
| Myti edul | | + | r | r | | | | |
| Ostr edul | | | | | | | | |
| Canc pagu | | | | | | | | |
| Carc maen | + | + | + | + | + | + | + | + |
| Cirripedi | 2 | 1 | | | | | | |
| Hemi lamo | | | | | | | | |
| Hipp vari | | | | | | | | |
| Homa gamm | | + | + | + | + | + | + | + |
| Hyas aran | | | | | | | | |

Tabel 3.7 Wemeldinge, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Lioc arcu* | | | | | | | | | | | | | | |
| *Lioc depu* | | | | | | | | | | | | | | |
| *Lioc hols* | | | | | | | | | | | | | | |
| *Macr sp* | | r | r | r | r | r | r | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| *Neco pube* | | | | | | | | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Pagu bern* | + | + | 1 | 1 | + | + | + | + | 1 | + | + | | | |
| *Pala eleg* | | + | + | + | + | + | + | | | | | | | |
| *Pand mont* | | | | | | | | | | | | | | |
| *Pilu hirt* | | | | | | | | | | | | | | |
| *Prau flex* | | | | | | | | | | | | | | |
| *Thor cran* | | | | | | | | | | | | | | |
| *Angn palm* | | | | | | | | | | | | | | |
| *Bice cili* | | | | | | | | | + | 1 | 1 | 1 | 1 | 1 |
| *Bugu plum* | | | | | | | | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| *Elec pilo* | + | + | + | + | | | | 2 | 2 | + | + | | | |
| *Aste rube* | | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Ophi frag* | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 2 |
| *Psam mili* | | | | | | | | | + | | | | | |
| *Apli glab* | | | | | | | | 2 | 3 | 3 | 2 | | | |
| *Asci aspe* | | | | | | | | | | | | | | |
| *Botr schl* | | | | | | | | | | | | | | |
| *Cion inte* | | | + | + | + | + | + | | | + | | | | |
| *Dide macu* | | | | | | | | | | | | | | |
| *Dipl list* | | | | | | | | | | | | | | |
| *Stye clav* | | + | + | + | 1 | 1 | 1 | + | + | 1 | 1 | 1 | 1 | 1 |
| *Calo lyra* | | | | | | | | | | | | | | |
| *Chel labr* | | | | | | | | | 0 | 0 | | | | |
| *Dice labr* | | | | | | | | | 0 | 0 | 0 | | | |
| *Enop buba* | | | | | | | | | | | | | | |
| *Gobi nige* | | | | | | | | | | | | | | |
| *Phol gunn* | + | + | + | | | | | | | | | | | |
| *Poma minu* | | | | | | | | | | | | | | |
| *Poma sp* | | | | | | | | | | | | | | |
| *Rani rani* | | | | | | | | | | | | | | |
| *Tris lusc* | | | | | | | | | 0 | 0 | | | | |
| n soorten | 34 | 40 | 40 | 32 | 22 | 22 | 22 | 31 | 41 | 36 | 29 | 16 | 17 | 16 |
| *Cyan ophy* | | | | | | | | | | | | | | |
| *Diat omee* | 2 | 2 | + | | | | | | | | | | | |
| *Lani conc* | | | | | | | | | | | | | | |
| Gamm koke | | | | | | | | | | | | | | |
| *Athe pres* | | | | | | | | | | 0 | 0 | | | |
| *Leuc vari* | | | | | | | | | | | | | | |
| *Pros epip* | x | | | | | | | x | | | | | | |
| *Scyp sp* | | | | | | | | x | | | | | | |
| *Clyt hemi* | | | | | | | | | | | | | | |
| *Cory sars* | | | | | | | | | | | | | | |
| *Auto prol* | | | | | | | | | | | | | | |
| *Flab affi* | | | | | | | | | | | | | | |
| *Harm imbr* | | | | | | | | | | | | | | |
| *Harm impa* | | | | | | | | | | | | | | |
| *Leps squa* | | | | | | | | | | | | | | |
| *Plan dume* | | | | | | | | | | | | | | |
| *Pold sp* | | | | | | | | x | | | | | | |
| Poln oida | x | | | | | | | | | | | | | |
| *Aora typi* | | | | | | | | | | | | | | |
| *Atha nite* | | | | | | | | | | | | | | |
| Capr elli | | | | | | | | | | | | | | |
| *Capr line* | | | | | | | | | | | | | | |
| *Capr mach* | | | | | | | | | | | | | | |
| *Coro ache* | | | | | | | | | | | | | | |
| *Coro sext* | | | | | | | | | | | | | | |
| *Jass herd* | | | | | | | | | | | | | | |
| *Macr parv* | | | | | | | | | | | | | | |
| *Phth mari* | | | | | | | | | | | | | | |
| *Pisi long* | | | | | | | | | | | | | | |
| *Sten mari* | | | | | | | | | | | | | | |
| *Thor cran* | | | | | | | | | | | | | | |
| *Ache echi* | | | | | | | | | | | | | | |
| *Scru scru* | x | | | | | | | x | | | | | | |
| *Dend gros* | x | | | | | | | | | | | | | |

| jaar | 91 | 91 | 91 | 91 | 91 | 91 | 91 | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| *Lioc arcu* | | | | | | | | | + | + | + | + | + | + |
| *Lioc depu* | | | | | | | | | | | | | | |
| *Lioc hols* | | | | | | | r | | | | | | | |
| *Macr sp* | + | 1 | 1 | 1 | 1 | 1 | 1 | | 0 | 0 | 0 | 0 | 0 | 0 |
| *Neco pube* | | r | r | r | r | | | | + | + | + | + | + | + |
| *Pagu bern* | + | + | + | + | + | + | + | + | + | + | r | | | r |
| *Pala eleg* | + | + | + | + | + | | | | | | + | + | | |
| *Pand mont* | | | | | | | | | | | r | | r | |
| *Pilu hirt* | | | | | | | | | | | | | | |
| *Prau flex* | | | | | | | | 0 | 0 | 0 | 0 | | | |
| *Thor cran* | | | | | | | | | | | | r | | |
| *Angn palm* | | | | | | | | | | | | | | |
| *Bice cili* | | + | + | + | + | + | + | | + | + | + | + | + | + |
| *Bugu plum* | | | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| *Elec pilo* | + | + | + | | | | | 1 | 1 | 1 | + | | | |
| *Aste rube* | 2 | 1 | + | + | + | + | + | | | | 1 | 1 | 1 | 1 |
| *Ophi frag* | r | r | r | r | r | r | | 1 | 2 | 1 | + | + | + | + |
| *Psam mili* | | r | r | r | r | r | r | | | | | | | |
| *Apli glab* | | | | | | | | | | | | | | |
| *Asci aspe* | 1 | 1 | 1 | 1 | 1 | + | + | | | | | | | |
| *Botr schl* | | | | | | | | | | | | | | |
| *Cion inte* | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | + | + | + | + | + | + |
| *Dide macu* | | | | | | | | | | | | | | |
| *Dipl list* | | | | | | | | | | | | | | |
| *Stye clav* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *Calo lyra* | | | | | | | | | | | | | | |
| *Chel labr* | | | | | | | | | | | | | | |
| *Dice labr* | | | | | | | | | | | | | | |
| *Enop buba* | + | + | + | + | + | + | + | | + | + | + | + | + | + |
| *Gobi nige* | | | | | | | | | | r | r | r | r | |
| *Phol gunn* | | | | | | | | | + | + | + | | | |
| *Poma minu* | | | | | | | | | | | | | | |
| *Poma sp* | | | | | | | | | | | | | | |
| *Rani rani* | | | | | | | | | | | | | | |
| *Tris lusc* | + | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| n soorten | 42 | 43 | 37 | 32 | 27 | 24 | 24 | 29 | 39 | 38 | 33 | 24 | 22 | 21 |
| *Cyan ophy* | | | | | | | | | | | | | | |
| *Diat omee* | | | | | | | | | | | | | | |
| *Lani conc* | | | | | | | | | | | | | | |
| Gamm koke | | | | | | | | | | | | | | |
| *Athe pres* | | | | | | | | | | | | | | |
| *Leuc vari* | x | | | | | | | | | | | | | |
| *Pros epip* | x | | | | | | | x | | | | | | |
| *Scyp sp* | x | | | | | | | | | | | | | |
| *Clyt hemi* | | | | | | | | | | | | | | |
| *Cory sars* | x | | | | | | | | | | | | | |
| *Auto prol* | | | | | | | | | | | | | | |
| *Flab affi* | x | | | | | | | | | | | | | |
| *Harm imbr* | | | | | | | | | | | | | | |
| *Harm impa* | | | | | | | | | | | | | | |
| *Leps squa* | | | | | | | | x | | | | | | |
| *Plan dume* | | | | | | | | | | | | | | |
| *Pold sp* | | | | | | | | x | | | | | | |
| Poln oida | | | | | | | | | | | | | | |
| *Aora typi* | | | | | | | | x | | | | | | |
| *Atha nite* | | | | | | | | | | | | | | |
| Capr elli | | | | | | | | x | | | | | | |
| *Capr line* | | | | | | | | | | | | | | |
| *Capr mach* | | | | | | | | | | | | | | |
| *Coro ache* | | | | | | | | | | | | | | |
| *Coro sext* | | | | | | | | x | | | | | | |
| *Jass herd* | | | | | | | | x | | | | | | |
| *Macr parv* | | | | | | | | x | | | | | | |
| *Phth mari* | x | | | | | | | x | | | | | | |
| *Pisi long* | | | | | | | | x | | | | | | |
| *Sten mari* | | | | | | | | | | | | | | |
| *Thor cran* | | | | | | | | | | | | | | |
| *Ache echi* | | | | | | | | | | | | | | |
| *Scru scru* | | | | | | | | x | | | | | | |
| *Dend gros* | | | | | | | | | | | | | | |

| jaar | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 |
| *Lioc arcu* | | + | + | 1 | 1 | 1 | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 |
| *Lioc depu* | | | | | | | | + | | | | | | | | |
| *Lioc hols* | | | | | | | | | | | | | | | | |
| *Macr sp* | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| *Neco pube* | | | | | | | r | | | | | + | + | + | + | + |
| *Pagu bern* | + | + | + | + | + | + | + | + | | | | | | | + | + |
| *Pala eleg* | | 1 | 1 | + | + | + | + | + | + | | | | | | | |
| *Pand mont* | | | | | | | | | | | | | | | | |
| *Pilu hirt* | | | | | | | | | | | | | | | r | |
| *Prau flex* | | | | | | | | | | | | | | | | |
| *Thor cran* | | | | | | | | | | | | | | | | |
| *Angn palm* | | | | | | | + | | | | | | | r | | |
| *Bice cili* | | | | + | + | + | + | + | | | + | + | + | + | + | + |
| *Bugu plum* | | | | | + | + | + | | | | + | + | + | + | + | + |
| *Elec pilo* | | | | | | | | | | | | | | | | |
| *Aste rube* | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| *Ophi frag* | + | + | + | + | + | | | | | | | | | | | |
| *Psam mili* | | | | | | | r | r | | | | | | | | |
| *Apli glab* | | | | | | | | | | | | | | | | |
| *Asci aspe* | | | | | | | | | | | | | | | | |
| *Botr schl* | | | | | | | | | | | | | | | | |
| *Cion inte* | | | | | + | + | + | | | | + | + | + | + | | |
| *Dide macu* | | + | | | | | | + | + | | | | + | + | + | + |
| *Dipl list* | | | | | | | | | | | | 1 | 2 | 2 | 2 | 2 |
| *Stye clav* | | | | + | + | + | + | + | | + | + | + | 1 | 1 | 1 | 1 |
| *Calo lyra* | | | | | | | | + | | | r | | | | | |
| *Chel labr* | | | | | | | | | | | | | | | | |
| *Dice labr* | | | | | | | | | | | | | | | | |
| *Enop buba* | | | | | | | | | | | | | | | | |
| *Gobi nige* | | + | + | + | + | + | + | + | | | | | + | + | + | |
| *Phol gunn* | | | | | | | | | | | | | | | | r |
| *Poma minu* | | | | | | | | | | | | | | | | |
| *Poma sp* | | | | | | | | | | | + | | | | | |
| *Rani rani* | | | | | | | r | | | | | | | | | |
| *Tris lusc* | | | | | | | | | | | | | | | | |
| n soorten | 20 | 33 | 28 | 26 | 25 | 24 | 30 | 29 | 28 | 32 | 34 | 29 | 28 | 27 | 27 | 23 |
| *Cyan ophy* | | | | | | | | | | | | | | | | |
| *Diat omee* | | | | | | | | | | | | | | | | |
| *Lani conc* | | | | | | | r | | | | | | | r | | |
| Gamm koke | | | | | | | | | | | | + | 2 | 2 | 1 | 1 |
| *Athe pres* | | | | | | | | | | | | | | | | |
| *Leuc vari* | | | | | | | | | x | | | | | | | |
| *Pros epip* | x | | | | | | | | x | | | | | | | |
| *Scyp sp* | | | | | | | | | | | | | | | | |
| *Clyt hemi* | | | | | | | | | | | | | | | | |
| *Cory sars* | | | | | | | | | | | | | | | | |
| *Auto prol* | x | | | | | | | | | | | | | | | |
| *Flab affi* | x | | | | | | | | | | | | | | | |
| *Harm imbr* | | | | | | | | | | | | | | | | |
| *Harm impa* | | | | | | | | | | | | | | | | |
| *Leps squa* | | | | | | | | | | | | | | | | |
| *Plan dume* | | | | | | | | | | | | | | | | |
| *Pold sp* | | | | | | | | | x | | | | | | | |
| Poln oida | | | | | | | | | x | | | | | | | |
| *Aora typi* | | | | | | | | | | | | | | | | |
| *Atha nite* | | | | | | | | | x | | | | | | | |
| Capr elli | | | | | | | | | | | | | | | | |
| *Capr line* | | | | | | | | | | | | | | | | |
| *Capr mach* | | | | | | | | | | | | | | | | |
| *Coro ache* | | | | | | | | | | | | | | | | |
| *Coro sext* | x | | | | | | | | x | | | | | | | |
| *Jass herd* | | | | | | | | | | | | | | | | |
| *Macr parv* | | | | | | | | | | | | | | | | |
| *Phth mari* | x | | | | | | | | x | | | | | | | |
| *Pisi long* | x | | | | | | | | | | | | | | | |
| *Sten mari* | | | | | | | | | | | | | | | | |
| *Thor cran* | x | | | | | | | | | | | | | | | |
| *Ache echi* | x | | | | | | | | | | | | | | | |
| *Scru scru* | x | | | | | | | | x | | | | | | | |
| *Dend gros* | | | | | | | | | | | | | | | | |

| jaar | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| *Lioc arcu* | | | | | | | | | | | | | | | r | |
| *Lioc depu* | | | | | | | | | | | | | | | | |
| *Lioc hols* | | | | | | r | r | r | | | | | | | | |
| *Macr sp* | | | | | | r | r | r | | | | 0 | 0 | 0 | 0 | 0 |
| *Neco pube* | | | | | | | | | | | | | | | | |
| *Pagu bern* | + | + | + | + | + | + | + | + | | | + | + | | | | |
| *Pala eleg* | | | | | | | | | | | | | | | | |
| *Pand mont* | | | | | | | | | | | | | | | | |
| *Pilu hirt* | | | | | | | | | | | | | | | | |
| *Prau flex* | 0 | 0 | 0 | | | | | | | | | | | | | |
| *Thor cran* | | | | | | | | | | | | | | | | |
| *Angn palm* | | | | | | | | | | + | | | | | | |
| *Bice cili* | | | | + | + | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 |
| *Bugu plum* | 1 | 1 | 1 | 1 | 1 | + | r | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| *Elec pilo* | + | | | | | | + | + | | | | | | | | |
| *Aste rube* | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| *Ophi frag* | | | | | | | | | | | | | | | | |
| *Psam mili* | | | | | | | | | | | | | | | | |
| *Apli glab* | r | | | | | | | | | + | | | | | | |
| *Asci aspe* | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | | | + | + | + | + | + |
| *Botr schl* | r | r | r | | | | | | + | | | | | | | |
| *Cion inte* | | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | + | + | 1 | 2 | 2 | 2 | 2 |
| *Dide macu* | | | + | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 4 |
| *Dipl list* | | | r | | | | | | | | | | | | | |
| *Stye clav* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | + | 1 | 1 | 1 | 1 | 1 | 1 |
| *Calo lyra* | + | + | + | + | | | | | + | + | | | | | | |
| *Chel labr* | | | | | | | | | | | | | | | | |
| *Dice labr* | | | | | | | | | + | | | | | | | |
| *Enop buba* | | r | | | | | | | | | | | | | | |
| *Gobi nige* | | | + | + | + | + | + | | | | | | | | | |
| *Phol gunn* | | r | r | r | r | r | r | r | + | | | | | | | |
| *Poma minu* | + | + | + | + | | | | | | + | + | | | | | |
| *Poma sp* | | | | | | | | | | | | | | | | |
| *Rani rani* | | | | | | | | | | | | | | | | |
| *Tris lusc* | | | | | | | | | | | | | | | | |
| n soorten | 48 | 46 | 38 | 38 | 24 | 23 | 25 | 24 | 26 | 37 | 32 | 33 | 25 | 15 | 15 | 15 |
| *Cyan ophy* | | | | | + | | | | | | | | | | | |
| *Diat omee* | | | | | | | | | | | | | | | | |
| *Lani conc* | | | | + | | | | | x | | | | | | | |
| Gamm koke | | | | | | | | | | | | | | | | |
| *Athe pres* | 0 | | | | | | | | | | | | | | | |
| *Leuc vari* | x | | | | | | | | x | | | | | | | |
| *Pros epip* | x | | | | | | | | x | | | | | | | |
| *Scyp sp* | x | | | | | | | | x | | | | | | | |
| *Clyt hemi* | x | | | | | | | | | | | | | | | |
| *Cory sars* | | | | | | | | | | | | | | | | |
| *Auto prol* | | | | | | | | | | | | | | | | |
| *Flab affi* | x | | | | | | | | x | | | | | | | |
| *Harm imbr* | x | | | | | | | | | | | | | | | |
| *Harm impa* | | | | | | | | | x | | | | | | | |
| *Leps squa* | x | | | | | | | | x | | | | | | | |
| *Plan dume* | | | | | | | | | x | | | | | | | |
| *Pold sp* | x | | | | | | | | | | | | | | | |
| Poln oida | | | | | | | | | | | | | | | | |
| *Aora typi* | | | | | | | | | | | | | | | | |
| *Atha nite* | | | | | | | | | | | | | | | | |
| Capr elli | | | | | | | | | x | | | | | | | |
| *Capr line* | x | | | | | | | | | | | | | | | |
| *Capr mach* | | | | | | | | | x | | | | | | | |
| *Coro ache* | x | | | | | | | | | | | | | | | |
| *Coro sext* | | | | | | | | | x | | | | | | | |
| *Jass herd* | | | | | | | | | | | | | | | | |
| *Macr parv* | | | | | | | | | | | | | | | | |
| *Phth mari* | | | | | | | | | | | | | | | | |
| *Pisi long* | | | | | | | | | | | | | | | | |
| *Sten mari* | x | | | | | | | | | | | | | | | |
| *Thor cran* | | | | | | | | | | | | | | | | |
| *Ache echi* | | | | | | | | | | | | | | | | |
| *Scru scru* | x | | | | | | | | x | | | | | | | |
| *Dend gros* | | | | | | | | | | | | | | | | |

Tabel 3.8 Vrouwenpolder, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 89 | 89 | 89 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 10 | 15 | 23 |
| Bryo sp | | | | | | | |
| Chae linu | 4 | 5 | 2 | | | | |
| Clad rupe | | | | | | | |
| Clad sp | 3 | | | | | | |
| Ente sp | | | | | | | |
| Ulva sp | | | | | | | |
| Ecto carp | | | | | | | |
| Pela fasc | | | | | | | |
| Acro sp | | | | | | | |
| Call cory | | | | | | | |
| Call rose | | | | | | | |
| Cera desl | 3 | 1 | | | | | |
| Cera diap | | | | | | | |
| Cera nodu | 2 | 1 | | | | | |
| Chon cris | 3 | 2 | 1 | | | | |
| Dasy bail | 1 | 1 | 1 | + | | | |
| Poly harv | | | | | | | |
| Poly stri | | | | | | | |
| Hali bowe | | | | | | | |
| Hali pani | | | | | | | |
| Hall xena | | | | | | | |
| Aure auri | | | + | + | + | + | + |
| Camp anul | | | + | 1 | 1 | + | |
| Diad cinc | | + | + | + | + | + | + |
| Metr seni | | | | | | | |
| Fico enig | + | 1 | 1 | 1 | 1 | 1 | 1 |
| Cras giga | | | | | | | |
| Litt litt | | | | | | | |
| Myti edul | 1 | 3 | 3 | 4 | 4 | 2 | 1 |
| Carc maen | + | + | + | + | + | + | r |
| Cirr iped | 3 | 3 | 4 | 4 | 4 | 3 | 1 |
| Cran cran | | | | | | | |
| Pala adsp | | | | | | | |
| Pala eleg | | | | | | | |
| Prau flex | | 0 | 0 | 0 | | | |
| Rhit harr | 1 | 1 | 1 | 1 | 1 | + | + |
| Cono seur | | | | | | | |
| Aste rube | | | | | | | |
| Asci aspe | | | | | | | |
| Botr schl | | 1 | 2 | 2 | 2 | 1 | r |
| Molg manh | 1 | 2 | 2 | 2 | 2 | 1 | + |
| Angu angu | | | | | | + | + |
| Gobi nige | 1 | 1 | 1 | 1 | 1 | 1 | + |
| Phol gunn | | | | | | | |
| Poma minu | | | | | | | |
| Poma sp | | | | | | | |
| n soorten | 13 | 15 | 15 | 13 | 11 | 12 | 11 |
| Cyan ophy | | | | | | | |
| Diat omee | | | | | | | |
| Aren mari | | | | | | | |
| Athe pres | | | | | | | |
| Gast acul | | | | | | | |
| Pros epip | x | | | | | | |
| Auto sp | | | | | | | |
| Harm imbr | | | | | | | |
| Nere succ | | | | | | | |
| Pold sp | | | | | | | |
| Turb ella | | | | | | | |
| Tere nava | | | | | | | |
| Coro ache | | | | | | | |
| Coro insi | | | | | | | |
| Idot chel | | | | | | | |
| Micr gryl | | | | | | | |
| Bowe grac | | | | | | | |

| jaar | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| Bryo sp | | | | | | | | |
| Chae linu | 2 | 2 | 1 | | | | | |
| Clad rupe | | | | | | | | |
| Clad sp | 4 | 3 | 2 | | | | | |
| Ente sp | | | | | | | | |
| Ulva sp | 3 | 1 | | | | | | |
| Ecto carp | | | | | | | | |
| Pela fasc | | | | | | | | |
| Acro sp | | | | | | | | |
| Call cory | | | | | | | | |
| Call rose | 1 | 1 | 1 | 1 | + | | | |
| Cera desl | | | | | | | | |
| Cera diap | | | | | | | | |
| Cera nodu | | | | | | | | |
| Chon cris | | | | | | | | |
| Dasy bail | | | | | | | | |
| Poly harv | 2 | 1 | | | | | | |
| Poly stri | | | | | | | | |
| Hali bowe | | | | | | | | |
| Hali pani | | | | | | | | |
| Hall xena | | | | | | | | |
| Aure auri | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Camp anul | + | 1 | 1 | 2 | 1 | + | | |
| Diad cinc | + | 1 | 1 | 1 | 1 | 1 | + | + |
| Metr seni | | | | | + | + | + | |
| Fico enig | | r | 2 | 2 | 3 | 3 | 3 | + |
| Cras giga | | | | | | | | |
| Litt litt | | | | | | | | |
| Myti edul | 1 | 3 | 3 | 3 | 2 | 2 | 1 | 1 |
| Carc maen | 1 | 1 | 1 | 1 | 1 | 1 | | |
| Cirr iped | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 |
| Cran cran | | | | | | | | |
| Pala adsp | | | | | | | | |
| Pala eleg | 1 | | | | | | | |
| Prau flex | 0 | 0 | | | | | | |
| Rhit harr | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Cono seur | | | | | | | | |
| Aste rube | | | | | | | | |
| Asci aspe | | | | | | | | |
| Botr schl | 1 | 1 | 1 | 1 | 1 | + | + | + |
| Molg manh | + | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| Angu angu | | | | | | + | | |
| Gobi nige | + | 1 | 1 | 1 | + | + | + | |
| Phol gunn | | | | | | | | |
| Poma minu | 0 | | | | | | | |
| Poma sp | | | | | | | | |
| n soorten | 17 | 16 | 14 | 12 | 13 | 13 | 9 | 7 |
| Cyan ophy | | | | | | | | |
| Diat omee | | | | | | | | |
| Aren mari | | | | | | | | |
| Athe pres | | | | | | | | |
| Gast acul | 0 | 0 | | | | | | |
| Pros epip | x | | | | | | | |
| Auto sp | | | | | | | | |
| Harm imbr | | | | | | | | |
| Nere succ | | | | | | | | |
| Pold sp | x | | | | | | | |
| Turb ella | | | | | | | | |
| Tere nava | | | | | | | | |
| Coro ache | | | | | | | | |
| Coro insi | | | | | | | | |
| Idot chel | | | | | | | | |
| Micr gryl | | | | | | | | |
| Bowe grac | | | | | | | | |

| jaar | 91 | 91 | 91 | 91 | 91 | 91 | 91 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| Bryo sp | | | + | | | | |
| Chae linu | 3 | 2 | + | + | | | |
| Clad rupe | 1 | 2 | 2 | + | | | |
| Clad sp | | | | | | | |
| Ente sp | | | | | | | |
| Ulva sp | 2 | 3 | | | | | |
| Ecto carp | | | | | | | |
| Pela fasc | | | | | | | |
| Acro sp | | | | | | | |
| Call cory | | | | | | | |
| Call rose | | | + | | | | |
| Cera desl | 1 | | | | | | |
| Cera diap | | | | | | | |
| Cera nodu | 2 | 1 | + | + | | | |
| Chon cris | | | | | | | |
| Dasy bail | | | | | | | |
| Poly harv | | | | | | | |
| Poly stri | | | | | | | |
| Hali bowe | | | | | | | |
| Hali pani | 1 | 1 | 1 | 1 | 1 | 1 | |
| Hall xena | | | | | | | |
| Aure auri | | | | | | | |
| Camp anul | 1 | 1 | 1 | 1 | 1 | 1 | |
| Diad cinc | + | 1 | 1 | 2 | 2 | 2 | 1 |
| Metr seni | | | | | | | |
| Fico enig | | | | | | | |
| Cras giga | | | | | | | |
| Litt litt | | | | | | | |
| Myti edul | 2 | 3 | 4 | 4 | 4 | 4 | 2 |
| Carc maen | + | + | + | + | + | | |
| Cirr iped | + | + | 1 | 1 | 1 | 1 | |
| Cran cran | | | | | | | |
| Pala adsp | | | | | | | |
| Pala eleg | | | | | | | |
| Prau flex | | 0 | 0 | | | | |
| Rhit harr | | | | | 0 | | |
| Cono seur | | | | | | | |
| Aste rube | | | | | | | |
| Asci aspe | | | | | | | |
| Botr schl | + | + | + | 1 | 1 | 1 | + |
| Molg manh | + | + | + | + | + | r | r |
| Angu angu | | | | | | | |
| Gobi nige | | | + | + | + | + | |
| Phol gunn | | | | | | | |
| Poma minu | + | + | + | | | | |
| Poma sp | | | | | | | |
| n soorten | 14 | 14 | 16 | 12 | 10 | 8 | 4 |
| Cyan ophy | | | | | | | |
| Diat omee | | | | | | | |
| Aren mari | | | | | | | |
| Athe pres | 0 | 0 | 0 | | | | |
| Gast acul | 0 | | | | | | |
| Pros epip | | | | | | | |
| Auto sp | | | | | | | |
| Harm imbr | | | | | | | |
| Nere succ | | | | | | | |
| Pold sp | | | | | | | |
| Turb ella | | | | | | | |
| Tere nava | | | | | | | |
| Coro ache | | | | | | | |
| Coro insi | | | | | | | |
| Idot chel | x | | | | | | |
| Micr gryl | | | | | | | |
| Bowe grac | | | | | | | |

| jaar | 93 | 93 | 93 | 93 | 93 | 93 | 93 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 |
| Bryo sp | | | | | | | |
| Chae linu | 2 | 1 | 1 | | | | |
| Clad rupe | 1 | 1 | 1 | + | | | |
| Clad sp | | | | | | | |
| Ente sp | | | | | | | |
| Ulva sp | | 0 | | | | | |
| Ecto carp | | | | | | | |
| Pela fasc | | | | | | | |
| Acro sp | | | | | | | |
| Call cory | | | | | | | |
| Call rose | 1 | 1 | 1 | + | | | |
| Cera desl | 1 | | | | | | |
| Cera diap | | | | | | | |
| Cera nodu | 2 | 2 | 2 | + | | | |
| Chon cris | | | | | | | |
| Dasy bail | 1 | 2 | 2 | 1 | | | |
| Poly harv | | | | | | | |
| Poly stri | | | | | | | |
| Hali bowe | | | 1 | + | | | |
| Hali pani | | | | | | | |
| Hall xena | 1 | 1 | + | | | | |
| Aure auri | | | | | | + | |
| Camp anul | | 1 | 1 | 1 | 1 | 1 | 1 |
| Diad cinc | + | + | + | + | + | + | + |
| Metr seni | | | | | | | |
| Fico enig | | | | | | 1 | 2 |
| Cras giga | | | | | | | |
| Litt litt | + | | | | | | |
| Myti edul | 3 | 4 | 4 | 3 | 2 | 1 | |
| Carc maen | + | 1 | 1 | + | + | | |
| Cirr iped | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Cran cran | | | | | | | |
| Pala adsp | | | | | | | |
| Pala eleg | | | | | | | |
| Prau flex | | | | | | | |
| Rhit harr | | | | | | | |
| Cono seur | | | | | | | |
| Aste rube | | | | r | | | |
| Asci aspe | | | | | | | |
| Botr schl | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Molg manh | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Angu angu | | | | | | | |
| Gobi nige | + | 1 | 1 | 1 | 1 | + | + |
| Phol gunn | | | | | r | | |
| Poma minu | | | | | | | |
| Poma sp | | | | | | | |
| n soorten | 15 | 15 | 15 | 14 | 9 | 9 | 7 |
| Cyan ophy | | | | | | | |
| Diat omee | | | | | | | |
| Aren mari | | | | | | | |
| Athe pres | | | | | | | |
| Gast acul | | | | | | | |
| Pros epip | | | | | | | |
| Auto sp | x | | | | | | |
| Harm imbr | x | | | | | | |
| Nere succ | | | | | | | |
| Pold sp | x | | | | | | |
| Turb ella | | | | | | | |
| Tere nava | | | | | | | |
| Coro ache | | | | | | | |
| Coro insi | x | | | | | | |
| Idot chel | x | | | | | | |
| Micr gryl | | | | | | | |
| Bowe grac | | | | | | | |

| jaar | 94 | 94 | 94 | 94 | 94 | 94 | 94 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 |
| Bryo sp | + | 1 | + | | | | | |
| Chae linu | 3 | 2 | 1 | + | | | | |
| Clad rupe | 1 | | | | | | | |
| Clad sp | | | | | | | | |
| Ente sp | + | | | | | | | |
| Ulva sp | 2 | 2 | 1 | + | | | | |
| Ecto carp | | | | | | | | |
| Pela fasc | | | | | | | | |
| Acro sp | | | | | | | | |
| Call cory | 1 | 1 | + | | | | | |
| Call rose | + | + | 2 | 2 | 1 | | | |
| Cera desl | | | | | | | | |
| Cera diap | 3 | 2 | + | + | + | | | |
| Cera nodu | | + | | | | | | |
| Chon cris | 1 | | | | | | | |
| Dasy bail | + | 1 | 2 | 1 | + | | | |
| Poly harv | | | | | | | | |
| Poly stri | | | | | | | | |
| Hali bowe | | | | | | | | |
| Hali pani | | | | | | | | |
| Hall xena | | | | | | | | |
| Aure auri | | | | | | + | + | + |
| Camp anul | | | | + | + | + | 1 | 1 |
| Diad cinc | + | + | 1 | 1 | 1 | 1 | + | |
| Metr seni | | | | | | | | |
| Fico enig | + | + | + | + | + | 1 | 2 | 1 |
| Cras giga | | | | | | | | |
| Litt litt | | | | | | | | |
| Myti edul | 2 | 3 | 3 | 2 | 1 | + | | |
| Carc maen | + | + | + | + | + | + | + | + |
| Cirr iped | + | + | 1 | 1 | 2 | 1 | | |
| Cran cran | | r | | | | | | |
| Pala adsp | | | | | | | | |
| Pala eleg | | | r | | | | | |
| Prau flex | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Rhit harr | | + | | | | | | |
| Cono seur | | + | 1 | 1 | 1 | 1 | 1 | 1 |
| Aste rube | | | | | | | | |
| Asci aspe | | | | | | | | |
| Botr schl | | | | | | | | |
| Molg manh | | | | | | | r | |
| Angu angu | | | | | | | | |
| Gobi nige | | + | 1 | 1 | 1 | + | | |
| Phol gunn | | | | | | | | |
| Poma minu | | | | | | | | |
| Poma sp | | + | + | + | + | + | + | + |
| n soorten | 16 | 19 | 17 | 15 | 13 | 10 | 7 | 5 |
| Cyan ophy | | 1 | 1 | | | | | |
| Diat omee | | + | 2 | | | | | |
| Aren mari | | | | | | | | |
| Athe pres | | 0 | 0 | 0 | | | | |
| Gast acul | | 0 | | | | | | |
| Pros epip | x | | | | | | | |
| Auto sp | | | | | | | | |
| Harm imbr | | | | | | | | |
| Nere succ | | | | | | | | |
| Pold sp | x | | | | | | | |
| Turb ella | | | | | | | | |
| Tere nava | x | | | | | | | |
| Coro ache | | | | | | | | |
| Coro insi | x | | | | | | | |
| Idot chel | x | | | | | | | |
| Micr gryl | | | | | | | | |
| Bowe grac | | | | | | | | |

| jaar | 95 | 95 | 95 | 95 | 95 | 95 | 95 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 22 |
| Bryo sp | 1 | 1 | + | | | | | |
| Chae linu | 1 | + | | | | | | |
| Clad rupe | 3 | + | | | | | | |
| Clad sp | | | | | | | | |
| Ente sp | + | + | | | | | | |
| Ulva sp | + | + | + | | | | | |
| Ecto carp | | | | | | | | |
| Pela fasc | | | | | | | | |
| Acro sp | + | + | | | | | | |
| Call cory | | | | | | | | |
| Call rose | 1 | 2 | 2 | + | | | | |
| Cera desl | | | | | | | | |
| Cera diap | 2 | 1 | + | | | | | |
| Cera nodu | | | | | | | | |
| Chon cris | + | + | | | | | | |
| Dasy bail | + | 1 | 1 | + | | | | |
| Poly harv | | | | | | | | |
| Poly stri | | | | | | | | |
| Hali bowe | | | | | | | | |
| Hali pani | | | | | | | | |
| Hall xena | | | | | | | | |
| Aure auri | | | | | | + | + | + |
| Camp anul | | + | + | + | + | | | |
| Diad cinc | + | + | + | + | + | + | + | + |
| Metr seni | | | | | | | | |
| Fico enig | | | + | 1 | 2 | 2 | 2 | 2 |
| Cras giga | | | | | | | | |
| Litt litt | r | | | | | | | |
| Myti edul | 1 | 2 | 2 | 2 | 1 | 1 | + | + |
| Carc maen | + | + | + | + | + | + | + | + |
| Cirr iped | 1 | 1 | 1 | 1 | + | + | r | |
| Cran cran | | | | | | | | |
| Pala adsp | + | + | + | + | + | + | + | + |
| Pala eleg | | | | | | | | |
| Prau flex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Rhit harr | r | r | r | | | | | |
| Cono seur | + | + | + | | | | | |
| Aste rube | | | | | | | | |
| Asci aspe | | | r | r | | | | |
| Botr schl | | | | | | | | |
| Molg manh | | | | | | | | |
| Angu angu | | | | | | | | |
| Gobi nige | + | 1 | 1 | 1 | + | + | + | r |
| Phol gunn | | | | | | | | |
| Poma minu | | | | | | | | |
| Poma sp | + | + | + | + | + | + | | |
| n soorten | 21 | 21 | 18 | 13 | 10 | 10 | 9 | 7 |
| Cyan ophy | + | + | + | + | | | | |
| Diat omee | | | | | | | | |
| Aren mari | | | | | | | | |
| Athe pres | 0 | | | | | | | |
| Gast acul | | | | | | | | |
| Pros epip | x | | | | | | | |
| Auto sp | | | | | | | | |
| Harm imbr | | | | | | | | |
| Nere succ | | | | | | | | |
| Pold sp | | | | | | | | |
| Turb ella | | | | | | | | |
| Tere nava | | | | | | | | |
| Coro ache | | | | | | | | |
| Coro insi | | | | | | | | |
| Idot chel | | | | | | | | |
| Micr gryl | | | | | | | | |
| Bowe grac | | | | | | | | |

| jaar | 96 | 96 | 96 | 96 | 96 | 96 | 96 |
|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| Bryo sp | 3 | 1 | + | | | | | |
| Chae linu | + | + | + | | | | | |
| Clad rupe | | | + | | | | | |
| Clad sp | | | | | | | | |
| Ente sp | 2 | | | | | | | |
| Ulva sp | 2 | 2 | 1 | | | | | |
| Ecto carp | 3 | 3 | + | | | | | |
| Pela fasc | r | | | | | | | |
| Acro sp | | + | + | | | | | |
| Call cory | | | + | | | | | |
| Call rose | 2 | 3 | 1 | | | | | |
| Cera desl | | | | | | | | |
| Cera diap | 1 | + | + | | | | | |
| Cera nodu | | | | | | | | |
| Chon cris | 1 | | | | | | | |
| Dasy bail | 3 | 3 | 1 | | | | | |
| Poly harv | | | | | | | | |
| Poly stri | + | + | + | | | | | |
| Hali bowe | | | | | | | | |
| Hali pani | | | | | | | | |
| Hall xena | | | | | | | | |
| Aure auri | | | + | + | + | + | + | + |
| Camp anul | | | + | + | + | + | + | |
| Diad cinc | + | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| Metr seni | | | | | | | | |
| Fico enig | | | | | | | | |
| Cras giga | | | | | | | | |
| Litt litt | | | | | | | | |
| Myti edul | 3 | 4 | 4 | 3 | 2 | 1 | 1 | + |
| Carc maen | + | + | + | + | + | + | + | + |
| Cirr iped | 2 | 2 | 2 | 2 | 1 | 1 | 1 | + |
| Cran cran | | | | | | | | r |
| Pala adsp | | | | | | | | |
| Pala eleg | + | + | + | + | + | + | + | + |
| Prau flex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rhit harr | | + | + | + | + | + | + | + |
| Cono seur | | | | | + | + | + | |
| Aste rube | | | | | | | | |
| Asci aspe | | | | | | | | |
| Botr schl | | | | | | | | |
| Molg manh | | r | | | | | | |
| Angu angu | | | | | | | | |
| Gobi nige | + | + | + | + | + | 1 | + | + |
| Phol gunn | | | | | | | | |
| Poma minu | | | | | | | | |
| Poma sp | | | | | | | | |
| n soorten | 18 | 18 | 21 | 10 | 11 | 11 | 11 | 10 |
| Cyan ophy | | | | | | | | |
| Diat omee | | | 1 | 4 | + | | | |
| Aren mari | | | | | | | | |
| Athe pres | | | | | | | | |
| Gast acul | | | | | | | | |
| Pros epip | x | | | | | | | |
| Auto sp | | | | | | | | |
| Harm imbr | x | | | | | | | |
| Nere succ | | | | | | | | |
| Pold sp | x | | | | | | | |
| Turb ella | x | | | | | | | |
| Tere nava | | | | | | | | |
| Coro ache | x | | | | | | | |
| Coro insi | | | | | | | | |
| Idot chel | | | | | | | | |
| Micr gryl | | | | | | | | |
| Bowe grac | x | | | | | | | |

| jaar | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 97 |
|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 20 |
| Bryo sp | 2 | 2 | + | | | | | |
| Chae linu | + | | | | | | | |
| Clad rupe | | | | | | | | |
| Clad sp | | | | | | | | |
| Ente sp | | | | | | | | |
| Ulva sp | + | | | | | | | |
| Ecto carp | | | | | | | | |
| Pela fasc | | | | | | | | |
| Acro sp | | | | | | | | |
| Call cory | | | | | | | | |
| Call rose | 2 | 2 | 2 | 1 | | | | |
| Cera desl | | | | | | | | |
| Cera diap | 1 | + | + | | | | | |
| Cera nodu | 2 | | | | | | | |
| Chon cris | | | | | | | | |
| Dasy bail | 2 | 1 | + | + | | | | |
| Poly harv | | | | | | | | |
| Poly stri | + | | | | | | | |
| Hali bowe | 1 | 2 | 2 | 2 | 1 | | | |
| Hali pani | | | | | | | | |
| Hall xena | | | | | | | | |
| Aure auri | | | | | | + | + | |
| Camp anul | | | | | | | + | + |
| Diad cinc | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Metr seni | | | | | | | | |
| Fico enig | | | | | | | | |
| Cras giga | + | + | + | | | | | |
| Litt litt | 1 | | | | | | | |
| Myti edul | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 1 |
| Carc maen | + | + | + | + | + | + | + | + |
| Cirr iped | 2 | 2 | 2 | 2 | 2 | 2 | 1 | + |
| Cran cran | | | | | | | | |
| Pala adsp | | | | | | | | |
| Pala eleg | | | | | + | + | | |
| Prau flex | 0 | 0 | 0 | 0 | 0 | 0 | | |
| Rhit harr | | + | + | + | | | | |
| Cono seur | | | | | | | | |
| Aste rube | | | | | | | | |
| Asci aspe | | | | | | | | |
| Botr schl | | | | | | | | |
| Molg manh | | + | + | + | + | + | + | + |
| Angu angu | | | | | | | | |
| Gobi nige | + | + | + | + | + | + | + | + |
| Phol gunn | | | | | | | | |
| Poma minu | | | | | | | | |
| Poma sp | | | | | | | | + |
| n soorten | 17 | 14 | 14 | 11 | 9 | 9 | 8 | 8 |
| Cyan ophy | | | | | | | | |
| Diat omee | | | 2 | 3 | 2 | | | |
| Aren mari | | 0 | | | | | | |
| Athe pres | | | | | | | | |
| Gast acul | | | | | | | | |
| Pros epip | | | | | | | | |
| Auto sp | | | | | | | | |
| Harm imbr | | | | | | | | |
| Nere succ | x | | | | | | | |
| Pold sp | x | | | | | | | |
| Turb ella | | | | | | | | |
| Tere nava | | | | | | | | |
| Coro ache | | | | | | | | |
| Coro insi | x | | | | | | | |
| Idot chel | | | | | | | | |
| Micr gryl | x | | | | | | | |
| Bowe grac | x | | | | | | | |

Tabel 3.9 Jonkvrouw-Annapolder, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 89 | 90 | 90 | 90 | 90 | 91 | 91 | 91 | 91 | 93 | 93 | 93 | 93 | 94 | 94 | 94 | 94 | 95 | 95 | 95 | 95 | 96 | 96 | 96 | 96 | 96 | 97 | 97 | 97 | 97 | 97 | jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 1 | 2 | 3 | 5 | 7 | 1 | 2 | 3 | 5 | 7 | ondergr. (m) |
| *Bryo sp* | | | | | | | | | | | | | | 2 | | | | | | | | | | | | + | | | | 1 | + | | | | *Bryo sp* |
| *Chae linu* | 2 | 4 | 4 | | | | | | 4 | 3 | | | 3 | | | | 4 | 4 | 4 | 2 | + | + | | | 1 | + | | | | 4 | 1 | | | | *Chae linu* |
| *Chae mela* | | | | | + | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Chae mela* |
| *Clad rupe* | | | | | | | | | + | + | + | + | 1 | 2 | 1 | 1 | | | | | | | | | | | | | | | | | | | *Clad rupe* |
| *Clad sp* | | | | | 3 | 3 | 1 | | | | | | | | | | | | | | | | | | 2 | 1 | | | | | + | | | | *Clad sp* |
| *Ente sp* | | | | | | | | | | | | | | | | | | | | | + | | | | 1 | | | | | | | | | | *Ente sp* |
| *Ulva sp* | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | | | | | | | *Ulva sp* |
| Ecto carp | | | | | | | | | | | | | | | | | | | | | | | | | 2 | + | | | | | | | | | Ecto carp |
| *Call rose* | | | | | | | | + | 1 | 2 | 3 | 2 | 1 | 1 | 1 | 1 | + | | | | 2 | 2 | 3 | 2 | | 1 | 2 | + | | 3 | 2 | 3 | 2 | 1 | *Call rose* |
| *Cera desi* | | | | | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | | | *Cera desi* |
| *Cera diap* | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | + | + | | | + | | | | | *Cera diap* |
| *Cera nodu* | 0 | 0 | | | 3 | 1 | | | 2 | 3 | 2 | 1 | 2 | 4 | | | | | | | | | | | 1 | + | | | | 1 | 1 | 1 | + | | *Cera nodu* |
| *Chon cris* | 2 | 1 | | | 4 | 1 | | | 3 | 3 | | | 2 | 2 | | | 2 | 2 | | | 2 | | | | 1 | | | | | 2 | | | | | *Chon cris* |
| *Dasy ball* | | | | | | | | | | | | | | + | + | 1 | | | | + | 1 | 2 | 1 | | 1 | 2 | 1 | + | | | 3 | 1 | | | *Dasy ball* |
| *Poly stri* | | | | | | | | | | | | | | | | | | | | | + | 1 | | | | | | | | | + | | | | *Poly stri* |
| *Hali bowe* | | | | | | | | 2 | | | | | | + | 1 | 1 | | | | | | | 1 | 1 | | | | | | 1 | 1 | 2 | 3 | 2 | *Hali bowe* |
| *Hali pani* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | + | 1 | 1 | | | | | | | | | 1 | 2 | 2 | 2 | 2 | | | | | | *Hali pani* |
| *Hali xena* | | 1 | 2 | 3 | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | | | + | + | | | 1 | 1 | | | | | | | | | | | | | r | | *Hali xena* |
| *Aure auri* | | | | | | 1 | 2 | 2 | | | | | | | + | + | | | | | | | | | | | | | | | | | | | *Aure auri* |
| Camp anul | | 1 | 1 | 2 | | | | + | 1 | 2 | 2 | 2 | | | + | + | | | | 1 | | | + | + | | + | + | + | | | | | | | Camp anul |
| *Diad cinc* | | 1 | 2 | 3 | | 2 | 2 | 2 | 1 | 2 | 2 | 2 | + | + | 1 | 1 | | + | 1 | 1 | | + | 1 | 1 | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | *Diad cinc* |
| *Saga trog* | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | *Saga trog* |
| *Sago unda* | | | | | | | r | | | | | | | | | r | | | | | | | | | | | | | | | | | | | *Sago unda* |
| *Fico enig* | | r | + | + | + | + | + | + | | | | | | | + | 1 | | | | + | | + | + | + | | | | | | | | | | | *Fico enig* |
| *Cras giga* | | | | | | | | | 1 | 1 | 1 | 1 | + | 1 | 1 | 1 | | + | 1 | 1 | 2 | 3 | 2 | 2 | 1 | 3 | 3 | 3 | 2 | | 2 | 3 | 3 | 2 | *Cras giga* |
| *Crep forn* | | | | | | | | | | | | 0 | | | | 0 | | | | | | | | | | | | | | | | | | | *Crep forn* |
| *Litt litt* | | | | | 2 | 2 | | | 1 | + | | | + | | | | 1 | 1 | + | | | | | | + | | | | | r | | | | | *Litt litt* |
| *Myti edul* | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 4 | 4 | 2 | 3 | 4 | 4 | 2 | 2 | 3 | 3 | 1 | 2 | 2 | 2 | 2 | + | 1 | 2 | 3 | 2 | *Myti edul* |
| *Carc maen* | + | + | + | + | 1 | 1 | 2 | 2 | + | + | + | + | + | + | + | + | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | *Carc maen* |
| Cirr iped | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | | 1 | 1 | 1 | 1 | + | + | | | | Cirr iped |
| *Cran cran* | | + | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Cran cran* |
| *Pagu bern* | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Pagu bern* |
| *Pala adsp* | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | | | | *Pala adsp* |
| *Pala eleg* | + | + | + | | | | | | r | | | | | | + | + | | + | + | + | | | + | + | | | | | | | | | | | *Pala eleg* |
| *Prau flex* | | | | | 0 | 0 | | | | 0 | 0 | | 0 | 0 | | | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | *Prau flex* |
| *Rhit harr* | + | + | + | + | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | + | + | | + | + | + | + | r | r | r | | | *Rhit harr* |
| *Cono seur* | | | | | | | | | | | | | 1 | 2 | 2 | 1 | | 1 | + | | + | + | + | + | | | r | | | | | | | | *Cono seur* |
| *Botr schl* | + | 1 | 1 | 1 | + | 2 | 2 | 2 | | + | + | + | 1 | 1 | 1 | 1 | | | 3 | 3 | | | | | | | + | + | + | | | | | | *Botr schl* |
| *Cion inte* | | | | | | | | | | | | | | | | | | | + | + | | | | | | | | | | | | | | | *Cion inte* |
| *Molg manh* | 1 | 2 | 3 | 3 | | + | | | + | + | + | + | | | | | | | + | + | | · | | + | | | | | | + | 1 | 2 | 2 | 1 | *Molg manh* |
| *Stye clav* | | | | | | | 1 | 2 | 1 | 1 | 1 | 1 | | | | + | | | | | | | | | | | | | | | | | | + | *Stye clav* |
| *Angu angu* | | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | *Angu angu* |
| *Enop buba* | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | *Enop buba* |
| *Gobi nige* | + | 1 | 1 | 1 | + | 1 | 1 | 1 | + | 1 | 1 | 1 | + | 1 | 1 | 1 | | + | + | + | | + | + | 1 | + | + | + | + | + | | + | + | + | | *Gobi nige* |
| *Phol gunn* | | | | | | | | | | | | | | | + | + | | | | | | | | | | | | | | | | | | | *Phol gunn* |
| *Poma micr* | | | | | | | | | | | | | | | + | + | | | | | | | | | | | | | + | | | | | | *Poma micr* |
| *Poma minu* | | | | | 0 | | | | + | + | + | + | | | | | | | | | | | | | | | | | + | | | | | | *Poma minu* |
| *Syng acus* | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | *Syng acus* |
| n soorten | 12 | 18 | 15 | 13 | 16 | 18 | 15 | 16 | 18 | 19 | 16 | 16 | 15 | 17 | 21 | 25 | 8 | 12 | 15 | 15 | 14 | 13 | 15 | 16 | 16 | 18 | 15 | 13 | 11 | 14 | 16 | 11 | 10 | 8 | n soorten |
| *Zost mari* | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | | | | *Zost mari* |
| *Myaa rena* | | | | | | | | | | | | | | | | | | | | | | | | | | + | 1 | | | | | | | | *Myaa rena* |
| *Athe pres* | 0 | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | *Athe pres* |
| *Gast acul* | | | | | 0 | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | *Gast acul* |
| *Pleu fles* | | + | + | + | | + | + | + | r | r | + | + | | | | | | | | | | | | | | | r | | | | | | | | *Pleu fles* |
| *Pros epip* | x | | | | x | | | | | | | | x | | | | | | | | x | | | | | | | | | | | | | | *Pros epip* |
| *Harm long* | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | *Harm long* |
| *Harm imbr* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | *Harm imbr* |
| *Leps squa* | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | *Leps squa* |
| *Nere dive* | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | *Nere dive* |
| *Nere succ* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | *Nere succ* |
| *Pold sp* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | x | | | | | *Pold sp* |
| *Hini reti* | x | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | *Hini reti* |
| *Tene adsp* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | *Tene adsp* |
| *Aora typi* | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | *Aora typi* |
| *Coro insi* | | | | | | | | | | | | | x | | | | x | | | | | | | | | | | | | x | | | | | *Coro insi* |
| *Idot chel* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | x | | | | | *Idot chel* |
| *Micr gryl* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | x | | | | | *Micr gryl* |
| *Sphr hook* | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | *Sphr hook* |

Tabel 3.10 Ritthem, Braun-Blanquetopnamen 1989-1997

| jaar | 8989 | | | 9900 | | | | | | 9911 | | | | | | 9933 | | | | | | 9944 | | | | | | 9955 | | | | | | 9966 | | | | | | 9977 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergr. (m) | 1 | 3 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 1 | 2 | 3 | 5 | 7 | 9 | 13 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | 1 | 2 | 3 | 5 | 7 | 9 | 15 | ondergr. (m) |
| Bryo sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Bryo sp |
| Clad rupe | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Clad rupe |
| Ente sp | | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Ente sp |
| Ulva sp | | | | | | | | | | | 2 | | | | | | 2 | | | | | | | 1 | | | | | | | 1 | + | | | | | | 1 | + | | | | | | Ulva sp |
| Dict dich | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | Dict dich |
| Anti vill | | | | | | | | | | | | | | | | | | | | | | | | + | + | | | | | | | | | | | | | | | | | | | | Anti vill |
| Cera dest | 1 | | | 0 | | | | | | | 1 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Cera dest |
| Cera nodu | 2 | | | 0 | | | | | | | 2 | 2 | | | | | 5 | | | | | | | 3 | 2 | | | | | | 2 | 1 | + | | | | | 1 | + | | | | | 2 | + | Cera nodu |
| Chon cris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 2 | Chon cris |
| Hypo hypo | 2 | | | + | | | | | | | + | 1 | | | | | + | | | | | | | 1 | 1 | | | | | | + | 1 | + | | | | | 2 | 1 | | | | | 2 | 1 | Hypo hypo |
| Phyl pseu | 1 | | | | | | | | | | 2 | 2 | | | | | 2 | | | | | | | | | | | | | | 3 | 1 | | | | | | 1 | | | | | | 2 | Phyl pseu |
| Poly denu | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | Poly denu |
| Poly fuco | | | | | | | | | | | 1 | 2 | | | | | + | | | | | | | | | | | | | | + | + | | | | | | + | + | | | | | 1 | + | Poly fuco |
| Poly ngra | 1 | | | + | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Poly ngra |
| Porp umbi | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | Porp umbi |
| Clio cela | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | | | | | | | | | | | | | | | | | | Clio cela |
| Hali pani | 1 | + | + | | | | | | | | | | | | | | + | 1 | 1 | 1 | 1 | 1 | 1 | | | + | | | | | | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | | 1 | 1 | Hali pani |
| Hali ocul | 1 | 1 | 1 | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | | + | 1 | 1 | 1 | 1 | 1 | | | | | | r | | | | + | + | + | + | + | | | | Hali ocul |
| Myca micr | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Myca micr |
| Camp anul | 1 | 1 | 1 | | | | | | | | + | + | + | + | + | + | + | 1 | 1 | 1 | + | | | | + | + | + | + | + | | | + | + | + | + | + | | 1 | 1 | 1 | 1 | 1 | 1 | | | | Camp anul |
| Diad cinc | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | + | 1 | 1 | 2 | 2 | 2 | | 1 | 1 | 2 | 3 | 3 | 3 | | | | | | | | | | | | 2 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | Diad cinc |
| Hale hale | | | | r | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Hale hale |
| Metr seni | 3 | 3 | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | | | | 1 | 2 | 2 | 2 | + | + | + | | | | | | | | | 3 | 3 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | Metr seni |
| Saga trog | | | | | | | | | | | | + | | | | | 1 | 1 | | | | | | | 1 | 1 | + | | | | | | | | | | | | | 1 | 1 | 1 | | | | + | | | | | | Saga trog |
| Sago unda | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | + | + | + | | | | | | | | | | | | | | | | | | | | | | | Sago unda |
| Sert cupr | | | | + | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | + | + | + | + | + | | | | + | 1 | 1 | 2 | | | | | + | + | + | Sert cupr |
| Tubu indi | 2 | 2 | 2 | | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | | r | r | r | r | r | r | | + | + | 1 | 1 | 1 | 1 | + | + | + | 1 | 1 | 1 | 1 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | Tubu indi |
| Tubu lary | + | + | + | | | | | | | | | | | | | | | | | | | | | | + | + | | | | | | | | | | | + | | | | | | | | | | | | | Tubu lary |
| Pomc triq | | | | | | | r | | | | | + | | | | | | | | | r | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | Pomc triq |
| Aeol papi | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Aeol papi |
| Cras giga | | | | | | | | | | | | | + | + | + | + | | | | | | | | + | 1 | + | + | | | | 1 | 1 | + | + | + | + | + | 2 | 2 | 2 | + | | | | + | | | | | | Cras giga |
| Crep forn | 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 | 0 | 0 | 0 | | | | | | | Crep forn |
| Face bost | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | Face bost |
| Jano cris | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | Jano cris |
| Litt litt | | | | | | | | | | | | | | | | | | | | | | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | Litt litt |
| Myti edul | 1 | + | + | | | | | | | | + | + | + | + | + | + | | | | | | | | | | | r | | | | + | + | | | | | | 1 | + | | | | | | | | | | | Myti edul |
| Ostr edul | + | + | + | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | + | + | | | | | | | | | | | | | | | | | | | | | | | | | | | Ostr edul |
| Canc pagu | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | r | r | r | r | + | + | + | + | | | | | + | 1 | + | + | | | | | | | | + | + | | | r | r | r | | | + | | | | | | Canc pagu |
| Carc maen | + | + | + | 1 | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | Carc maen |
| Cirr iped | 3 | 2 | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | + | + | + | + | + | + | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | + | + | + | + | 1 | | | | | | Cirr iped |
| Homa gamm | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Homa gamm |
| Hyas aran | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | Hyas aran |
| Macr parv | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | r | r | r | | | | | | | Macr parv |
| Macr rost | + | + | + | r | 0 | 0 | 0 | 0 | 0 | 0 | | | r | r | r | r | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | + | + | + | + | + | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | r | Macr rost |
| Neco pube | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | r | r | r | r | + | + | + | + | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | Neco pube |
| Pals vari | | | | | | | | | | | | | | | | | | r | r | r | r | r | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | Pals vari |
| Verr stro | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | Verr stro |
| Alcy diap | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | Alcy diap |
| Alcy myti | | | | | | | | | | | | | | | | | r | + | 1 | 1 | 1 | 1 | 1 | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | Alcy myti |
| Angn palm | 1 | 1 | + | 2 | 3 | 3 | 2 | 2 | 2 | 2 | | | | | | | | + | 2 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | | | | | | | + | + | + | + | | | | | + | | | | | | | | Angn palm |
| Bice cili | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | + | + | + | + | + | + | + | + | + | + | + | + | + | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | 1 | 2 | 2 | 2 | 1 | 1 | 1 | | | | | | | Bice cili |
| Bugu sp | + | + | + | + | + | + | + | + | + | + | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | + | + | + | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | Bugu sp |
| Elec pilo | 2 | + | + | + | + | + | + | + | + | + | r | r | | | | | | + | + | + | + | + | + | | | | | | + | | 1 | 1 | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | 1 | + | + | + | + | + | + | Elec pilo |
| Aste rube | + | + | + | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | 1 | 1 | 1 | 1 | 1 | + | + | + | + | + | + | + | + | 1 | 1 | 1 | 1 | 1 | 1 | Aste rube |
| Stye clav | | | | | | | | | | | | | | | | | | | | | | | | + | + | + | + | + | + | + | | | | | | | | | | | | | | | | | | | | | Stye clav |
| Calo lyra | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Calo lyra |
| Poll poll | | | | | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Poll poll |
| Poma minu | | | | | | | | | | | | | | | | | | r | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Poma minu |
| n soorten | 2 4 | 1 9 | 1 9 | 2 2 | 1 6 | 1 5 | 1 7 | 1 6 | 1 5 | 1 5 | 1 9 | 2 0 | 1 6 | 1 6 | 1 6 | 1 6 | 2 4 | 2 7 | 2 2 | 2 3 | 1 9 | 1 8 | 1 6 | 1 3 | 2 3 | 2 0 | 1 9 | 1 3 | 1 3 | 1 2 | 1 3 | 1 4 | 1 4 | 1 2 | 1 2 | 1 5 | 1 3 | 1 9 | 1 5 | 1 4 | 1 7 | 1 7 | 1 4 | 1 3 | 1 8 | 1 1 | 8 | 7 | 8 | 9 | 1 1 | n soorten |
| Diat omee | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Diat omee |
| Lani conc | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | Lani conc |
| Leuc vari | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | Leuc vari |
| Pros epip | x | | | | x | | | | | | | | | | | | | x | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | Pros epip |
| Scyp sp | | | | | x | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Scyp sp |
| Cali syr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | Cali syr |
| Clyt hemi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | Clyt hemi |
| Dyna pumi | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Dyna pumi |
| Obel dich | | | | | | | | | | | | x | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | Obel dich |
| Auto prol | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | Auto prol |
| Harm impa | | | | | | | | | | | | x | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Harm impa |
| Poly dora | x | | | | | | | | | | | x | | | | | x | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | x | | | | | | Poly dora |
| Poly noid | x | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Poly noid |
| Thel cinc | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Thel cinc |
| Typo hyal | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Typo hyal |
| Capr elli | | | | | | | | | | | | x | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | Capr elli |
| Capr line | | | | | x | | | | | | | x | | | | | x | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | Capr line |
| Capr mach | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | x | | | | | | Capr mach |
| Coro ache | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | x | | | | | | | | x | | | | | | Coro ache |
| Coro insi | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Coro insi |
| Gamm arid | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Gamm arid |
| Idot pela | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | Idot pela |
| Jass herd | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | Jass herd |
| Jass marm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | x | | | | | | Jass marm |
| Jass sp | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Jass sp |
| Phth mari | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Phth mari |
| Pisi long | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Pisi long |
| Sten mari | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | x | | | | | | | | | | | | | | x | | | | | | Sten mari |
| Ache echi | | | | | x | | | | | | | x | | | | | x | | | | | | | x | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | Ache echi |
| Anop peti | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | Anop peti |
| Nymp rubr | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | Nymp rubr |
| Copi fabr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | Copi fabr |
| Bowe grac | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Bowe grac |
| Scru scru | x | | | | x | | | | | | | | | | | | | | | | | | | x | | | | | | | x | | | | | | | | | | | | | | | | | | | | Scru scru |
| Dend gros | | | | | | | | | | | | x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Dend gros |

Tabel 3.11 Kruiningen, Braun-Blanquetopnamen 1989-1997

| jaar | 89 | 89 | 89 | 90 | 90 | 90 | 91 | 91 | 91 | 93 | 93 | 93 | 94 | 94 | 94 | 95 | 95 | 95 | 96 | 96 | 96 | 97 | 97 | 97 | jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergrens (m) | 1 | 3 | 5 | 1 | 2 | 5 | 1 | 2 | 5 | 1 | 2 | 5 | 1 | 2 | 5 | 1 | 2 | 5 | 1 | 2 | 5 | 1 | 2 | 5 | ondergrens (m) |
| *Porp umbi* | + | | | + | | | | | | | | | | | | | | | + | | | + | | | *Porp umbi* |
| Camp anul | | | | 3 | 1 | + | | | | + | + | + | 1 | 1 | 1 | | | | | 1 | 1 | | + | 1 | Camp anul |
| *Diad cinc* | + | + | + | + | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | *Diad cinc* |
| *Saga trog* | | | | | r | r | | | | | | | | | | | | | | + | 1 | | + | 1 | *Saga trog* |
| *Urti feli* | | | | | | | 1 | 1 | 1 | 2 | 2 | 2 | | | | | | | | | 1 | | | 1 | *Urti feli* |
| *Amph figu* | | | | | | | | | | | | | | | | | | | | 0 | | | 0 | | *Amph figu* |
| *Cras giga* | | | | 3 | + | + | 1 | 1 | 1 | 4 | 4 | 4 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | 4 | 2 | 3 | 5 | 5 | *Cras giga* |
| *Crep forn* | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | | | 0 | 0 | | | *Crep forn* |
| *Myti edul* | 1 | + | + | 1 | + | + | + | + | + | 2 | 2 | 2 | 1 | 1 | 1 | 1 | + | + | 2 | 2 | + | 2 | 1 | 1 | *Myti edul* |
| *Myto leuc* | 1 | | | | | | | | | | | | | | | | | | | | | | | | *Myto leuc* |
| *Carc maen* | | | | 1 | 1 | 1 | 0 | 0 | 0 | | | | 0 | 0 | 0 | 0 | 0 | 0 | + | + | + | + | + | + | *Carc maen* |
| Cirr iped | 5 | 5 | 4 | 4 | 5 | 5 | 2 | 2 | 2 | | | | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 2 | 5 | 4 | 3 | Cirr iped |
| *Rhit harr* | | | | | | | | | | | | | | | | | | 0 | | | | | | | *Rhit harr* |
| *Alcy myti* | | | | | | | | | | | | | | | | | | | | + | | | | | *Alcy myti* |
| *Cono seur* | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | *Cono seur* |
| *Elec crus* | 2 | 2 | 2 | | | | | | | | | | 1 | 1 | 1 | | | + | | | | | | | *Elec crus* |
| *Elec pilo* | | | | | | | | | | 0 | 0 | 0 | | | | | | | | | | | | | *Elec pilo* |
| *Aste rube* | | | | r | + | r | 1 | 1 | 1 | | | | | | | | | | + | + | + | | + | + | *Aste rube* |
| *Molg manh* | + | + | + | + | 2 | 2 | 1 | 1 | 1 | | + | + | 1 | 1 | 1 | 1 | 1 | 1 | | | + | | + | + | *Molg manh* |
| n soorten | 8 | 6 | 6 | 10 | 10 | 10 | 8 | 8 | 8 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 5 | 7 | 6 | 10 | 11 | 6 | 9 | 9 | n soorten |
| Diat omee | 1 | | | | | | | | | | | | | | | | | | | | | | | | Diat omee |
| *Pros epip* | x | | | x | | | | | | | | | | | | | | | | | | | | | *Pros epip* |
| *Clyt hemi* | | | | | | | | | | | | | | | | | | | | | | x | | | *Clyt hemi* |
| *Harm imbr* | | | | | | | | | | | | | | | | | | | x | | | | | | *Harm imbr* |
| *Lepi squa* | | | | | | | | | | | | | | | | x | | | | | | | | | *Lepi squa* |
| *Nere vire* | | | | | | | | | | | | | | | | x | | | | | | | | | *Nere vire* |
| *Nere succ* | | | | | | | | | | | | | | | | | | | | | | x | | | *Nere succ* |
| *Poly dora* | | | | | | | | | | | | | x | | | | | | | | | | | | *Poly dora* |
| *Meli palm* | | | | | | | | | | | | | x | | | | | | | | | | | | *Meli palm* |

Tabel 4.1 TWINSPAN analyse Grevelingenmeer, locaties P, Preekhilpolder; D, Dreischor

| locatie jaar | P90 | P89 | P89 | P97 | P97 | D97 | D90 | P93 | P96 | P96 | D96 | D89 | D93 | P94 | P94 | P95 | D94 | D95 | P93 | P91 | P91 | D91 | P90 | D90 | D89 | D91 | D97 | D96 | D95 | P95 | D93 | D94 | locatie jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| onder-grens (m) | 2 | 2 | 5 | 5 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 2 | 2 | 5 | 2 | 5 | 2 | 5 | 9 | 9 | 9 | 9 | 9 | 9 | 5 | 9 | 9 | onder-grens (m) |
| *Pala adsp* | 2 | 3 | 3 | 3 | 3 | 2 | 3 | - | - | - | - | - | - | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | *Pala adsp* |
| *Ecto carp* | 4 | 5 | 3 | - | 2 | - | - | - | - | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Ecto carp* |
| *Dass sp* | - | - | - | 3 | 4 | 2 | - | - | 2 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Dass sp* |
| *Call cory* | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Call cory* |
| *Apli glab* | - | - | - | 1 | 1 | - | - | - | - | 2 | 2 | - | - | - | - | - | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Apli glab* |
| *Lomi clav* | - | - | - | - | - | 2 | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Lomi clav* |
| *Cera diap* | - | - | - | 2 | 3 | 3 | - | - | 2 | 3 | 3 | - | - | 4 | 4 | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Cera diap* |
| *Pier plum* | - | - | - | 3 | 2 | - | - | - | 2 | 2 | 2 | - | - | 2 | 2 | 2 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Pier plum* |
| *Chon cris* | 1 | 4 | 2 | - | - | - | - | 2 | - | 2 | 3 | - | 5 | 2 | - | 1 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Chon cris* |
| *Ulva sp* | - | 2 | 2 | - | 3 | 3 | 2 | 3 | - | 2 | 3 | 2 | 4 | 3 | - | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Ulva sp* |
| *Call rose* | - | 4 | 5 | - | - | - | 3 | 4 | 3 | 4 | 4 | 4 | - | 2 | - | 2 | 3 | 2 | 4 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | *Call rose* |
| *Sarg mutl* | 2 | 4 | 3 | 2 | 5 | 4 | 2 | 4 | 2 | 4 | 4 | 7 | 3 | 3 | 3 | 3 | 3 | 3 | - | 4 | - | 3 | - | - | - | - | - | - | - | - | - | - | *Sarg mutl* |
| *Hall pani* | 2 | 1 | 1 | - | - | - | - | - | - | 2 | - | 2 | - | 3 | 3 | - | - | 2 | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | *Hall pani* |
| *Bryo sp* | 6 | 5 | 3 | 2 | 6 | 5 | 2 | 4 | 2 | 3 | 4 | 5 | - | 6 | 6 | 5 | 6 | 5 | 3 | 3 | 3 | - | 3 | - | - | - | - | - | - | 1 | - | - | *Bryo sp* |
| *Codi frgy* | - | - | - | - | - | - | - | - | 2 | 4 | 3 | - | - | - | - | - | 3 | 2 | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | *Codi frgy* |
| *Poly harv* | 3 | 3 | 2 | 2 | 4 | 2 | - | - | - | - | - | - | - | - | - | 4 | 4 | 3 | - | - | - | 4 | 2 | - | - | - | - | - | - | - | - | - | *Poly harv* |
| *Clad sp* | 3 | 4 | 2 | - | 2 | 4 | 5 | 3 | - | - | 2 | 3 | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | *Clad sp* |
| *Litt litt* | 2 | 2 | 2 | - | - | - | - | 2 | 1 | 2 | - | 2 | - | 2 | 2 | - | 3 | 2 | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | *Litt litt* |
| *Codi frag* | 4 | 2 | 3 | 3 | 5 | 5 | 6 | 3 | 2 | 3 | 3 | 3 | 5 | 4 | 4 | 1 | 4 | 4 | 3 | 5 | 4 | 4 | 3 | - | - | - | - | - | - | - | - | - | *Codi frag* |
| *Grif devo* | 4 | 3 | 3 | 3 | 3 | 4 | 4 | - | 2 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | 5 | 5 | - | - | - | - | - | - | - | - | - | *Grif devo* |
| *Poly fuco* | - | - | - | - | - | 3 | 4 | 3 | - | - | - | - | 3 | - | - | - | - | - | - | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | *Poly fuco* |
| *Cera nodu* | - | 2 | 2 | - | 2 | 2 | 3 | 3 | - | 2 | - | - | 2 | - | - | - | - | - | - | 4 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | *Cera nodu* |
| *Hall xena* | - | 2 | 2 | - | 2 | - | - | - | - | - | - | 1 | 1 | 3 | 3 | 1 | - | - | - | - | - | - | 2 | - | - | - | 1 | - | 1 | 1 | - | - | *Hall xena* |
| *Metr seni* | - | 1 | - | - | - | - | 2 | - | - | - | - | 3 | - | - | 2 | - | - | - | - | - | - | 1 | - | - | - | 1 | - | - | - | - | 2 | - | *Metr seni* |
| *Anti te* | - | - | - | - | - | - | - | 3 | - | - | - | 4 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | 4 | *Anti te* |
| *Lioc arcu* | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 1 | - | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 1 | 2 | - | *Lioc arcu* |
| *Myti edul* | 3 | 3 | 2 | - | - | - | 2 | - | 2 | 2 | 2 | - | - | - | - | 2 | - | 2 | - | - | - | 3 | 2 | 2 | - | 2 | - | 1 | 2 | - | - | - | *Myti edul* |
| *Myca micr* | - | 3 | 3 | 3 | 3 | 2 | - | 2 | - | 1 | - | - | 3 | 3 | 3 | - | - | - | 2 | - | - | - | - | 2 | - | - | - | - | 2 | 2 | 4 | - | *Myca micr* |
| *Ostr edul* | 4 | 5 | 6 | 4 | 4 | 3 | 2 | 4 | 4 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | - | 2 | 4 | 3 | 4 | 1 | 4 | 4 | 4 | 2 | 4 | 3 | 2 | - | 2 | - | *Ostr edul* |
| *Prau flex* | 3 | - | - | 3 | 3 | 3 | 3 | - | 3 | 3 | 3 | - | 3 | 3 | 3 | 3 | 3 | 3 | - | 3 | 3 | - | 3 | 3 | - | - | - | 3 | - | 3 | 3 | - | *Prau flex* |
| *Cirr iped* | 3 | 4 | 4 | - | 2 | 2 | 3 | 4 | 3 | 4 | 3 | 3 | 2 | 2 | - | - | 2 | - | 4 | 2 | 2 | - | - | 3 | 4 | - | 2 | 3 | 2 | - | 2 | - | *Cirr iped* |
| *Cion inte* | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 5 | 3 | 2 | 4 | 3 | 2 | 2 | 3 | - | 2 | 2 | 4 | 4 | 2 | 2 | 2 | 5 | 3 | 3 | 4 | 3 | 2 | 3 | - | *Cion inte* |
| *Asci aspe* | 3 | 3 | 3 | 4 | 3 | 4 | 4 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 5 | 4 | 3 | 2 | 4 | - | *Asci aspe* |
| *Aste rube* | - | 2 | 1 | - | - | 2 | 3 | 1 | 1 | 1 | 2 | 1 | 1 | - | 1 | - | 2 | - | 2 | 2 | 2 | 3 | - | - | - | 3 | 2 | - | 1 | - | 1 | - | *Aste rube* |
| *Sago unda* | 2 | 3 | 2 | 3 | 2 | 2 | - | 2 | 3 | 3 | 2 | 2 | 3 | - | 2 | - | - | - | 2 | 3 | - | 2 | 2 | 3 | 1 | 2 | 2 | 3 | 2 | - | 3 | 2 | *Sago unda* |
| *Stye clav* | 2 | 2 | 2 | 3 | 3 | 2 | 1 | 1 | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | - | - | 1 | 3 | 3 | - | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | - | *Stye clav* |
| *Clio cela* | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | *Clio cela* |
| *Carc maen* | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 1 | *Carc maen* |
| *Hali bowe* | - | - | - | 2 | 2 | 2 | - | 4 | 3 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | - | 2 | 4 | 3 | 3 | 2 | 1 | - | - | 2 | - | 3 | 2 | 3 | 4 | - | *Hali bowe* |
| *Diad cinc* | - | - | - | 3 | 3 | 2 | 2 | 2 | 4 | 3 | 3 | - | 3 | - | 3 | - | 2 | 2 | 3 | 2 | 3 | 2 | - | 2 | 3 | 2 | 3 | 3 | 2 | 2 | - | 2 | *Diad cinc* |
| *Crep forn* | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | *Crep forn* |
| *Poma sp* | - | - | - | - | - | 2 | - | - | 2 | - | - | 2 | 2 | - | - | - | 3 | - | - | - | - | 3 | - | - | - | - | 2 | - | - | 2 | - | 3 | *Poma sp* |
| *Gobi nige* | 1 | 3 | 3 | 3 | 3 | 3 | 1 | 1 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | - | 2 | 3 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | - | 2 | *Gobi nige* |
| *Pala eleg* | 2 | 1 | 1 | - | - | - | - | 2 | 3 | 3 | 2 | - | 3 | - | - | 3 | 3 | 3 | 2 | 3 | 3 | 2 | - | - | - | - | - | 2 | 2 | 2 | - | 2 | *Pala eleg* |
| *Poly ngra* | - | - | - | - | - | - | - | - | 2 | 4 | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | *Poly ngra* |
| *Bugu plum* | 4 | 2 | 2 | 4 | 3 | 3 | 3 | - | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | - | 2 | 2 | 4 | 3 | 5 | 3 | 4 | 4 | 3 | 5 | 3 | 3 | 2 | *Bugu plum* |
| *Aure auri* | - | - | - | - | - | - | - | - | 2 | - | - | - | - | 3 | 3 | - | - | - | - | - | - | - | - | 4 | - | 3 | - | 1 | - | - | 3 | 3 | *Aure auri* |
| *Macr rost* | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 3 | 3 | - | - | - | - | 1 | 1 | - | - | *Macr rost* |
| *Botr schl* | 2 | 1 | 1 | 2 | 2 | 2 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 3 | 3 | - | 2 | - | - | - | - | - | - | *Botr schl* |
| *Angu angu* | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 2 | - | - | - | 2 | 1 | - | - | - | - | - | *Angu angu* |
| *Hall ocul* | - | 1 | 1 | - | - | - | - | - | 1 | - | - | - | - | - | 3 | - | - | - | - | 3 | 3 | 2 | 2 | - | 3 | 3 | 3 | 2 | 2 | - | - | 2 | *Hall ocul* |
| Camp anul | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | 2 | 2 | - | - | 2 | 2 | - | - | - | - | - | - | - | Camp anul |

voor toelichting zie Tabel 4.4

Tabel 4.2a TWINSPAN analyse Oosterschelde, locaties: Y, Zijpe; S, Schelphoek; U, Zuidbout; G, Gorishoek; W, Wemeldinge

| | |
|---|---|
| locatie | S U S S S S S S Y Y G W S G W U U W Y Y Y U G G G G S W W W W Y U U U U G G W U Y Y Y S W G G W W G G W S S Y G Y Y U U U S S U W G G W Y U S S U G W W Y Y Y |
| jaar | 9 9 9 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 8 9 9 9 9 9 9 9 8 9 9 9 8 9 9 9 9 9 9 9 9 9 9 9 8 8 9 9 9 9 8 9 9 9 9 9 9 9 9 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 |
| | 0 0 4 5 9 0 1 3 6 7 7 7 7 6 6 6 5 5 9 4 5 3 9 0 1 5 6 9 0 1 3 3 9 0 1 7 3 4 4 4 0 0 1 9 9 1 3 1 3 9 0 0 1 3 1 4 9 3 9 1 5 3 5 4 4 6 6 7 7 7 7 6 8 5 5 4 5 6 4 |
| ondergrens (m) | 2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |
| Gobi nige | - - - - 2 1 - - 2 - - - 1 2 2 2 1 2 2 2 3 2 1 2 - - - - - - - 1 - 1 - - - 2 2 2 2 2 2 3 2 - 2 - - - 1 2 - 1 1 3 - 2 1 1 - - 2 - - 2 - - - - 1 - 1 - - - - 2 - 2 - |
| Asci aspe | - - - - - - - - 5 3 3 2 - 2 3 3 - - 3 3 4 3 - - 4 - - - - 3 - 3 - - 3 - 3 2 - 1 4 4 5 - - 3 2 3 - 2 - - - - 4 - 4 3 - 2 - 2 - - 1 3 - 3 - - - - - - - - - 2 5 - |
| Cion inte | - 3 - - - - 2 - 5 4 4 4 2 3 3 4 - 2 3 2 3 2 3 3 4 2 - 2 - 4 2 2 2 3 5 3 2 2 2 2 4 4 5 - - 3 2 4 2 2 3 - 2 - 3 - 3 2 2 4 - 3 - - 2 3 3 4 2 3 - - - 4 - - - 2 4 - |
| Homa gamm | - - - - - - 1 1 - - - 2 2 1 2 2 2 - 2 - 2 - 2 - - 2 1 2 - - 1 - - 1 - - 2 2 2 2 - - - - 1 - 2 - 1 1 - - - 1 - - - - - - 1 - - - 1 - 1 - - 2 2 1 - 1 - - - 2 - - - - |
| Myoa mior | - - - - - 3 - - - - - 3 3 2 3 3 4 - 2 3 2 2 3 - - - 2 2 3 - - 2 2 - 1 - 3 - 3 - - - - - 2 3 3 - - - 2 - - - - - 3 3 3 2 - - - 3 - - - - 2 2 - - - - - 3 - - - - - - |
| Diad cinc | 4 2 3 3 4 5 4 4 3 3 4 3 3 4 4 5 3 4 5 2 3 4 4 5 5 3 3 5 5 5 4 3 6 5 4 4 4 3 3 3 5 4 3 4 2 3 3 5 4 3 4 5 3 2 2 3 4 3 4 3 2 4 3 - 3 3 3 - 2 - - - - 3 2 3 2 - - - |
| Bice cili | 2 2 - 2 4 2 2 2 - - 2 3 3 3 2 3 - 2 - - - - 2 3 3 2 3 - 3 2 2 - - 2 3 4 3 3 2 2 - - - 3 - 3 2 2 2 2 2 2 2 - - 2 - - - 3 - 1 - - - - 3 - - - - 2 - - - - - - - - |
| Bugu plum | 2 - - 4 4 4 3 3 - 3 4 3 - 3 3 2 3 2 1 - - 2 - - 2 3 2 - 4 3 - - 3 - 2 3 - 2 2 2 - - - 4 - - - - - - - 4 3 3 - - 4 - 3 3 3 2 3 - 2 3 - 2 - - - 2 - - - - - - - 2 |
| Cano pagu | 1 - 2 2 - 1 1 1 2 - - - - - - - - 2 - - 1 - - 1 - - 1 - - - 1 1 - 1 - - - - - - - - 1 1 1 - - - - 2 - - - 1 1 - - - 1 - - - - 2 2 - - - - - - - - - - - - - - - - |
| Hall ocul | 3 - 2 2 1 3 3 3 2 - 1 2 2 3 2 2 - 2 1 - 2 2 - 2 3 2 3 2 3 3 3 2 1 - 3 2 3 - 2 2 2 2 2 - 2 3 - 3 - - - 3 3 2 2 - 2 2 1 2 - 2 2 - 2 2 2 - 2 - - - - - - - 2 - 2 - |
| Hipp vari | - - - 2 2 - - 3 - - - - - - - - - 1 - - 1 - 1 - - - - - - - - - - - - - - - 3 1 - - - 2 - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - 3 - - - |
| Angn palm | - - - - 2 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - |
| Calo lyra | 3 - 1 - 3 3 - - - - - - 1 2 - - - - - 2 - 1 - - - - - - - - - 1 - - - - - - - - 3 3 - 3 - - - - - - - - - - - - - - - - - - - 1 - 2 2 - 2 - - - - - - - - - - - |
| Lioo hols | - - - - - 3 1 - - - - - - 1 - - - - - - - - - - - - - - - - - - - - 1 - - - - - - - - - - - - - - - - - 1 - - - - - - 1 - - - - - - - - - - - - - - - - - - - - - |
| Phor hipp | 2 - - - - 2 2 1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - |
| Hale hale | - 1 - 2 - 2 2 2 - - - - 2 - 1 - - - - - - - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - |
| Eude ramo | - - - - - - - - - - - - - 3 - - - - - - - - - 1 - - 2 - 3 - - - - - - - 2 3 - - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - |
| Aeol papi | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - 2 - - - 3 3 - - - 1 - 3 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - |
| Jano cris | - - - - - - 2 - - - - - - - - - - - - - - - 1 - 1 - - - - - - - - - 2 - 1 - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - |
| Ostr edul | - - - - - 1 - - - - - - - - - - - 2 - - 2 - - - - 3 - 1 - - - - - 2 - - - - - 1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 3 - - - - |
| Sert cupr | - - - - - 1 - - - - - 1 - - - 1 - - - - - - - - 3 - 2 - - 2 - 2 - - - - - - 2 - - - 2 2 2 - - 2 - - - - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - - - |
| Tubu indi | - - - - - 1 - 2 - - - - - 2 - 1 - 2 1 - - - - 2 2 3 2 - 3 3 - 2 - - - - - 2 2 - 2 2 - - 2 3 3 2 - 2 2 - 2 - 2 - - 1 - - - - - - - - - - - - - - - - 1 - - - - - - |
| Thor cran | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 - - - - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - - |
| Lioo arcu | - - - - - - 2 - - - - - - - - - - 3 - 2 2 3 - - - 2 - - - - 2 - - - 1 - 3 2 3 3 - - - - - - 2 - 2 - - - 2 1 - 2 - - - 1 - 2 - - 2 - - - - - - - - - - 2 2 - - - |
| Dipl list | - - - 3 - - - - - - - - - - - - - 4 - - 3 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 - - - - - - - - - - - - - - - - - - - 3 - 1 |
| Hali pani | 3 2 2 - - 3 2 3 - - - - - - - 2 - - 2 - - 3 3 2 3 - 3 2 - 3 3 2 1 2 2 - - 2 3 3 2 2 3 1 3 2 2 3 2 - - - - 2 3 - 2 - 1 2 - 2 2 2 2 - - - - - - - - - - - - - - - |
| Neco pube | 3 3 2 3 3 3 - 2 - - - - - 1 - 1 - 2 - - 1 2 2 2 - 2 2 - 3 1 2 - 2 - - - - 1 - - - - - 3 - - - 1 2 - 2 3 - 2 - - - - 2 - - - 2 2 1 - - - - - - - - - - - - - - - |
| Poll poll | 3 - - - - - - - - - - - - - - - - - - - - - 3 - - - - - - - - - - - - - - - - - - - - - - - - - - - - 3 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - |
| Psam mili | - - - - - - - - 1 1 - - - - - - 1 - - - - - 1 - - 1 1 - - - 1 - - - - - - - 1 1 - - - - - 1 - 1 - - - 2 - - - - - - - - - 2 - - 1 - - - - - - - - - - - - - - 1 |
| Hall xena | - - - - - - - - - - - - - - - - - - - 2 2 1 - - - - - - - - - - - - - - - - - - 2 2 - - - - - - - - - - - - - 4 - - - 2 - - - - - - - - - - - - - - - - - - - - 2 |
| Hall bowe | - - - 3 1 1 3 2 - - 1 2 2 - - 2 3 3 2 2 3 3 - - 3 4 3 - 2 2 3 2 3 2 2 - 3 2 - 2 - - - - - 2 2 2 2 - - 2 4 2 - - 2 2 3 2 2 2 3 - 2 - - - - - - 2 - - 3 2 - - 2 - |
| Macr sp | - - - - 2 - 2 - - 2 - 3 - - - 1 2 2 3 2 - - 1 - 4 3 1 1 3 3 3 2 2 - 2 1 2 3 2 3 - 1 2 2 1 4 2 3 3 - - 3 2 2 2 3 3 3 2 2 - - - - 3 - - - - - - - - 1 3 2 2 - - - |
| Enop buba | - - - - - - - 2 - - - - - - - - - - - - - - - - 2 - - - - 2 2 1 - - - - 2 - - - - - - - - 2 1 2 2 - - - - 2 - - - - - - - - - - 1 1 - - - - - - 1 2 - - - - - - |
| Clio cela | 3 3 - - 3 3 3 3 3 2 2 - - 3 - 3 - 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 1 3 3 3 3 - - 3 3 3 3 3 3 3 - 3 3 3 3 3 3 3 3 3 3 3 3 3 - - - - 3 - 3 - 2 - - - 3 3 - 3 - - |
| Metr seni | 5 - 3 3 5 4 4 3 2 3 3 2 3 3 - 3 - 2 2 2 - 2 - 3 - 3 4 1 3 2 - 2 - - 2 - 3 3 2 2 2 2 - 4 1 2 2 2 2 2 3 2 3 3 2 4 4 2 - 2 - 2 4 3 3 3 3 3 2 3 - 2 3 - - 2 - - 3 2 |
| Ophi frag | 6 5 5 - 6 6 3 3 - - - - - - - - - - 5 5 4 3 6 5 1 5 - 5 5 1 2 4 5 6 - - 2 5 2 2 5 5 1 5 4 1 4 1 4 4 6 6 4 4 1 4 5 5 7 - - 4 - 5 4 - - - - - - - - - 2 - 2 3 - 4 |
| Camp anul | 2 2 3 3 2 2 3 2 2 2 - - 2 2 2 3 2 2 3 2 2 3 - - 2 2 4 - - 2 2 2 - - 2 - 2 - 2 2 - - - 3 2 2 2 - - 2 3 - 3 2 - - 3 2 - 3 2 2 4 2 2 - - - - - - 2 4 3 - - - - - - |
| Dide macu | - - - - - - - - 5 5 6 5 1 2 3 - - 2 - 4 4 - - - - 2 - - - - - - 1 - - - - - - - - - - - - - - - - - - - - - - - - 3 - - - - - - - - - 2 3 3 6 - - - - - - 2 6 6 5 |
| Aste rube | 1 1 2 2 2 - 2 2 - 2 - 2 2 2 2 3 1 2 2 2 2 2 2 2 2 2 2 2 3 2 3 2 2 1 2 2 2 2 2 - 3 3 3 2 2 2 2 3 - 2 2 3 2 2 3 - 2 2 2 2 1 2 - 3 2 2 2 3 2 2 - 2 2 3 2 2 2 2 3 2 |
| Caro maen | 3 3 2 - 3 2 3 2 2 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 2 2 2 - 2 2 2 2 3 3 2 2 2 2 2 2 3 2 3 2 3 2 2 2 2 2 3 3 2 2 2 3 2 2 3 2 2 - 2 2 2 2 3 2 3 - 2 2 2 2 2 2 2 2 2 |
| Cras giga | 1 3 4 6 1 1 2 5 5 4 5 5 5 4 5 5 6 5 5 5 5 5 3 4 4 3 6 2 3 4 6 6 3 2 4 7 4 3 5 5 7 6 5 2 2 4 4 4 6 3 4 3 4 4 4 4 6 7 4 6 5 - 4 4 4 4 4 4 4 4 - 4 4 4 4 4 4 4 5 5 |
| Crep forn | - 3 - - 3 - - - - 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 - 3 3 3 3 3 3 3 3 3 3 3 3 3 - 3 3 3 3 3 3 3 3 3 - - - 3 3 3 3 3 3 3 - - 3 3 3 3 3 3 3 3 - 3 3 3 3 3 3 3 |
| Poma sp | - - 2 2 - - - - - - - - 2 2 - 1 - - - - - - - - - 1 - - - - - - - - - - - - - 2 2 2 2 - - - - - - - - - - - 2 - - - - - - - 2 - - 2 - 2 2 2 - - - - - - - - 2 - |
| Stye clav | - 2 - - - - - - 4 4 4 3 2 3 3 4 2 3 3 2 3 3 2 3 4 4 2 3 3 3 3 2 2 2 3 3 4 2 3 4 3 3 - 2 4 3 3 3 2 2 2 - - 3 3 4 3 2 2 - 3 - - 2 3 3 4 2 3 2 - - 3 3 2 - 4 4 2 |
| Prau flex | - - - - - - - - - - - - - - - - - - - - - 3 - - - - - - - - - - - - - - - - - - - - 3 - - - - - 3 - - - - - 3 - - - - - - - - - - 3 - - - - - - - - - - - - - - |
| Saga trog | 4 4 4 - 3 2 2 2 - 3 3 - 3 - - 3 2 3 2 - 3 3 - 3 - 3 3 2 3 - - - 2 3 2 - 3 3 2 3 3 4 2 4 4 4 3 3 3 4 4 3 2 4 3 3 3 3 3 3 3 3 4 - 3 4 4 4 3 2 3 3 3 3 3 2 3 2 2 |
| Aph glab | - 4 - - 1 - - - - - - - - - - - - - - 3 - 2 - 2 4 2 1 - - - - - - 1 - 4 1 1 - - - - 1 1 - 1 - 2 - - - 2 4 5 - - - - 3 - - - 1 - - - - - - - 2 2 - - - - - - - 4 1 1 |
| Cirr iped | 4 4 2 - - 3 - - 2 2 - - - 2 2 3 4 2 - 2 3 - - - - 3 2 - - - - - - 2 - - 2 2 2 - 2 2 3 - 2 - - - - - 2 3 - - 3 3 2 - - - 3 - 3 - - 2 2 - 3 2 2 - 2 3 3 4 2 4 3 3 |
| Spon sp | 3 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 2 - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - |
| Tris lusc | 3 - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - - - 3 - - - - - - - - - - - - - - - 3 - - 1 3 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - |
| Elec pilo | 4 3 - - - 2 - 3 - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - 2 2 2 - - - 2 2 2 - 2 3 - - 4 - 3 - - - - - - - - - - - - 2 - - - - - - - - - - - - - - |
| Clad sp | 4 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 3 - - - - - - - 3 - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - - |
| Hydr echi | - - - - - - - - - - - - - 2 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 2 - - - - - - 2 - - - - - - |
| Poly stri | - - - - - - - - - - - 1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - 2 - - - |
| Phol gunn | 1 - - - - - - - 1 1 - - 2 1 1 - - - - - - - - - - - - 1 - - - - - - - - - - - - - - - - 2 - - - 2 - - - - - - - - - - - - 2 - - 1 1 - - - 2 - - 1 1 - - - - - - |
| Myti edul | 2 2 - - 2 - 2 2 - - - - - - - 2 - - 2 - - 1 - - - - 2 - - - - - - 2 - 2 2 - - - - 2 2 - 3 2 3 2 - - - 2 - 3 3 2 2 4 2 2 2 - 2 - - - 2 2 3 2 3 - - 2 2 3 2 - - 2 3 |
| Pagu bern | - - 3 - 1 - - - - - - - - 2 2 - - - - - - - 2 - - 1 2 - 2 - - 2 - - - 1 1 2 - - 1 1 2 2 - 2 2 2 2 3 2 1 - - - - 2 2 - 2 - 3 - 2 2 2 - 1 - - 1 2 - - 2 2 - - |
| Pala eleg | - - - - - - - - - - - - - - - - 2 - - - - - 2 - - - - 2 - 2 2 - - - - - 1 1 2 - - - - - 2 3 - 2 - - - - - - - - - - - - 2 2 2 - - - - - - - - - - 2 2 - 3 2 - 2 |
| Elys viri | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 2 3 - - - - - - - - - - - - - - - 3 - - - - - - - - 4 - - - - - - - - - - - 3 2 - - |
| Syng acus | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 - - - - - - - - - - - - - - - - - - - - - - 1 - - - - - - - - - - - - 1 - - |
| Pala serr | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - - - - 2 - - - 3 - - 2 - - - - - - - - - - - - - - - |
| Ante vill | 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 2 - 3 - 2 - - - 4 4 4 3 2 2 3 4 3 3 - - 4 - - 4 2 3 3 5 - - - - - - - - - - - - 3 - - |
| Pter plum | 2 - - - - - - - 2 - - 2 - 2 2 2 - - - - - - - - - - - - - - - - - - - 1 2 - 3 - - - 3 4 4 4 3 4 3 2 3 2 2 3 3 3 4 3 4 4 2 3 4 5 3 2 2 2 - 2 3 3 2 3 3 2 - 2 2 |
| Lami sacc | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 4 - 2 - - - - - - - - - - - - - - - - 3 3 - - - - - - - - - - - - - - - |
| Codi frag | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 3 4 2 3 2 2 - - - 2 - 2 - - - - - - - - - 2 - 2 2 - - - - - - - - - - - - |
| [illegible] | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - 4 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - |
| Phyl pseu | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - 2 3 2 2 4 - 2 - 1 - - - - - - - - - - - - - - - - - - - - - - - - - - |
| Call rosa | - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - 2 3 - - - - 3 - - - - - - 2 - - - - - 2 - - - - 2 |
| Ecto carp | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 4 - - 4 4 - - - - - 2 - 2 - - - - - - - - 3 2 - - - - - 2 2 - - - - 2 - |
| Grac veru | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - 3 2 2 2 - - 3 2 - - 2 - - - - - - - - - 4 2 2 - - - 1 - - 2 1 - - - - |
| Poly denu | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - 3 - - - - - - 2 2 - - - - - - - - 3 - - - - - - |
| Poly fuco | 3 3 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - 4 3 2 3 4 3 3 2 3 2 - 2 3 - 2 - 3 3 2 4 4 2 2 2 4 1 2 2 2 4 2 3 3 2 2 2 |
| Poly nigr | - - - - - - - - - - - 1 - - - - - - - - - - - - - - - - - - - - - - - - - 1 - - - 3 3 3 - 2 - 3 2 3 2 2 2 - - - 2 3 - - 2 3 2 - - - 2 - 2 1 2 2 - 2 2 - 1 - |
| Ulva sp | 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 4 4 2 4 3 4 3 2 3 4 4 4 3 3 3 2 - 2 3 3 2 3 4 4 2 3 3 - - 2 2 2 2 4 2 2 2 |
| Cera nodu | 3 3 - - - - - - - - - 1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - 3 4 - 3 2 3 - 3 3 3 3 - - 2 2 - - 2 2 2 2 - 4 4 2 2 2 2 2 5 2 - - - - - - |
| Chor fila | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 - 3 3 3 2 - - 2 - 2 2 3 - - 1 - - 2 - - 3 2 2 2 - - - - - 3 2 3 3 3 3 2 |
| Sarg muti | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 6 4 3 3 2 3 3 - 1 - 3 - 2 - 3 - 2 2 3 3 - - 3 2 3 4 1 - 3 2 2 2 4 4 2 3 2 |
| Bryo sp | 3 - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - - - - - 2 - - - - - - 1 3 5 5 4 5 2 - 4 - 5 4 2 2 4 - 5 - 5 - - - 3 4 5 6 6 4 3 2 4 - - 2 2 4 3 |
| Botr schl | - - - - - - - - - 1 - - - - - - - - - - - - - - - - - - - - - - - 1 - - - - - - - - - - - - - - - - - - - - 2 - 1 1 - - - 2 - - - 1 - - - 1 2 - - - - - - 3 2 2 |
| Gelf devo | - - - - - - - - - - - 1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 3 - - - 3 3 - - - - - 4 - - - 1 - 4 2 2 2 - 2 4 2 1 - 2 - - - - |
| Poly elon | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - 2 - 2 3 - 2 - - 2 - - - - 2 - - - - - - 2 - 2 2 2 1 2 |
| Anth spir | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 2 - 2 - - 2 4 3 3 4 - 2 1 - |
| Chor dary | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - - - 2 3 5 3 - - - - - 3 3 2 - - - |
| Dels sp | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 3 2 - - - - - 2 3 - - - - - - |
| Dict dich | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - 2 - - - - - - - - 2 - 3 - - 3 3 3 2 - 2 - - 2 5 1 2 2 1 3 2 |
| Lome clav | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 3 2 2 2 2 2 - - 2 - 2 - 2 4 2 |
| Poly harv | - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 2 2 2 - 2 2 - - 2 2 - - - 3 3 2 |
| Litt litt | - 3 - - - - - - - - - - - - - - - - - - - - - - - - - - - - 1 - 2 - - - - - - - - 2 2 - - - 2 - 2 - 2 2 - - 3 - 3 1 - - - - - - 3 2 - 3 2 - - - 2 2 2 - 2 - 2 3 |
| Sago unde | - - - - 2 - - - - 2 - - - - - - 2 - 2 - 2 2 - - - - - - - - - - - - - - - - - 3 3 - - 2 - - - - - - - 2 3 4 - 3 - 2 2 2 - 3 - 3 3 2 4 4 2 2 - 2 - - - 2 3 3 2 |
| Hypo hypo | 2 2 - - - - - - 2 - - 2 - 2 2 2 - - - - - 2 - - - - - - - - - - - - - - - - 2 - 2 - 2 2 3 3 5 4 2 3 4 4 4 2 2 4 - 2 3 3 2 2 2 2 4 4 3 3 3 2 3 2 2 3 3 2 2 3 2 |
| Cera sp | - - - - - - - - 2 - - 2 - 2 2 2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 2 - - - - - - - 2 - - - - - 3 3 3 2 3 2 3 - 2 - - 2 3 4 - |

voor toelichting zie Tabel 4.4

Tabel 4.2b. TWINSPAN analyse Oosterschelde,1-2 m, locaties: Y, Zijpe; S, Schelphoek; U, Zuidbout; G, Gorishoek; W, Wemeldinge

| locatie / jaar | S89 | S90 | U90 | G90 | W90 | Y90 | Y89 | U94 | S89 | S95 | U95 | G94 | G93 | Y93 | U93 | U91 | S91 | S93 | G91 | W91 | W93 | G89 | W89 | U96 | S96 | U97 | S97 | W95 | W97 | W96 | G96 | G97 | G95 | W94 | Y91 | Y94 | Y96 | Y95 | Y97 | locatie / jaar |
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| Sphia sp | 2 | 3 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Sphia sp |
| Neco pube | 3 | 3 | 3 | 2 | 3 | - | - | 1 | 2 | 2 | 2 | - | - | - | - | - | - | 2 | - | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Neco pube |
| Tris fusc | - | 3 | - | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Tris fusc |
| Elec pilo | 2 | 4 | 3 | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | 2 | 3 | - | 2 | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | Elec pilo |
| Lami sacc | - | - | - | - | - | - | - | 3 | 3 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Lami sacc |
| Aeol papi | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Aeol papi |
| Pala serr | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Pala serr |
| Codi frgy | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Codi frgy |
| Phyl pseu | - | - | - | 2 | 4 | - | - | - | - | - | - | 1 | - | - | - | - | - | 2 | - | 2 | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Phyl pseu |
| Tubu indi | 2 | - | - | - | 2 | - | 1 | - | - | - | - | - | 2 | - | - | - | - | 2 | 3 | - | 2 | 2 | 3 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Tubu indi |
| Sert cupr | 2 | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Sert cupr |
| Cano pagu | 1 | 1 | - | - | - | 1 | - | - | 2 | - | 2 | - | - | - | 1 | - | - | 1 | 1 | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Cano pagu |
| Hali peni | 1 | 3 | 2 | - | - | 2 | 2 | 2 | 2 | 1 | 2 | - | - | 2 | - | 2 | 2 | - | 2 | 2 | 3 | 2 | - | 3 | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | Hali peni |
| Codi frag | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | - | 2 | 4 | 3 | 2 | 2 | 3 | - | - | - | - | - | 2 | 2 | - | 2 | - | - | - | - | - | - | Codi frag |
| Hall xena | - | - | - | - | - | 2 | 4 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | Hall xena |
| Lioc arcu | - | - | - | - | - | - | - | 2 | - | - | - | - | 2 | 2 | - | 2 | 1 | 2 | 1 | - | - | 2 | - | - | - | - | - | 2 | - | - | - | - | - | 2 | - | - | - | - | - | Lioc arcu |
| Hali bowe | - | - | - | - | 2 | - | 2 | 2 | - | 3 | 3 | 2 | - | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | - | - | - | - | 2 | 2 | - | - | - | - | 3 | - | - | - | 2 | - | - | Hali bowe |
| Acti vill | - | 2 | - | 2 | 3 | 2 | - | 5 | 3 | - | 3 | 4 | - | 4 | 4 | 2 | - | 4 | 3 | 4 | 4 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - | - | - | Acti vill |
| Macr sp | 2 | - | - | - | 3 | 1 | 3 | 3 | - | 2 | - | - | 3 | 2 | 3 | - | 2 | 2 | 2 | 4 | 3 | 3 | - | 1 | 1 | - | - | - | 2 | - | - | - | - | 3 | 2 | 2 | - | - | - | Macr sp |
| Camp anul | 3 | 2 | 2 | 3 | - | - | 3 | 2 | 2 | - | 4 | 2 | - | 2 | 2 | 2 | 3 | 3 | 2 | 2 | - | - | 2 | 2 | 3 | 4 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | Camp anul |
| Diad cinc | 4 | 4 | 2 | 4 | 5 | 4 | 4 | 3 | - | 4 | 3 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 5 | 4 | 3 | 2 | 3 | - | - | - | 3 | 2 | 3 | 3 | - | 2 | 2 | 2 | - | - | - | Diad cinc |
| Bugu plum | 4 | 2 | - | - | 4 | - | 4 | 2 | - | 3 | 3 | 3 | - | - | - | 2 | 3 | 3 | 3 | - | - | - | - | - | - | - | 2 | - | - | - | 3 | - | 2 | - | - | - | 2 | - | - | Bugu plum |
| Ophi frag | 5 | 6 | 5 | 6 | 6 | 5 | 5 | 4 | 5 | 7 | - | - | 4 | 4 | 5 | 4 | - | 4 | 4 | 1 | 1 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | 2 | 2 | 1 | 4 | - | 3 | - | Ophi frag |
| Psam mili | - | - | - | - | 2 | - | - | 1 | - | - | - | - | - | - | - | 2 | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | Psam mili |
| Bice cili | 3 | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | 2 | 2 | - | 1 | 3 | 2 | - | 3 | 2 | 2 | 2 | - | - | - | - | 2 | - | - | - | 3 | - | - | - | - | - | - | - | Bice cili |
| Clad sp | 3 | 4 | 2 | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | Clad sp |
| Enop buba | - | - | - | - | - | - | - | 1 | - | - | - | - | - | 1 | - | - | - | 2 | 2 | 2 | 2 | - | - | 2 | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | Enop buba |
| Poly dend | 2 | - | - | - | - | - | 3 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Poly dend |
| Syng acus | - | - | - | - | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | Syng acus |
| Apli glab | 1 | - | 4 | 4 | 5 | 1 | 3 | - | - | - | - | - | - | - | - | - | 1 | - | - | 2 | - | - | 2 | - | - | - | - | - | - | 2 | - | - | - | - | - | - | 1 | 1 | 4 | 2 | Apli glab |
| Elys viri | - | - | - | - | - | - | - | 4 | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | 2 | - | Elys viri |
| Hipp vari | 2 | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | Hipp vari |
| Gobi nige | 2 | - | - | 2 | - | 2 | 2 | 2 | - | 1 | - | - | - | - | 1 | 2 | - | 1 | 1 | 2 | - | - | 1 | - | - | - | 1 | - | - | - | - | - | - | - | 2 | 3 | - | 2 | - | 1 | Gobi nige |
| Poly ngra | 3 | - | - | 2 | 3 | - | - | 2 | 3 | 2 | 2 | - | - | - | - | - | 3 | 2 | 2 | 3 | 2 | - | 3 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | - | - | - | - | 2 | 2 | - | 1 | - | - | Poly ngra |
| Pler plum | 3 | 2 | - | 2 | 3 | - | 3 | 5 | 4 | 3 | 3 | 4 | 3 | 4 | 4 | 2 | 4 | 2 | 2 | 4 | 3 | 4 | 3 | 4 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | - | - | Pler plum |
| Hall ocul | - | 3 | - | - | 3 | 2 | 2 | 2 | - | 1 | 2 | - | - | - | 2 | 2 | 2 | 3 | 2 | 3 | 3 | - | - | 2 | - | - | - | - | - | 2 | 2 | 2 | - | - | 2 | 2 | - | 2 | - | - | Hall ocul |
| Pagu bern | 1 | - | - | 2 | 3 | 1 | - | - | 3 | 2 | - | - | - | - | - | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | - | - | - | - | 2 | 2 | 2 | - | 2 | - | - | - | 2 | 1 | Pagu bern |
| Clio cela | 3 | 3 | 3 | 3 | 3 | - | 3 | - | - | 3 | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | 3 | - | - | 2 | - | 3 | 3 | - | 3 | - | 3 | - | 3 | - | - | 3 | - | Clio cela |
| Cera nodu | 3 | 3 | 3 | 3 | 3 | 2 | 2 | - | 2 | - | 2 | 2 | - | 3 | 2 | 2 | - | 3 | 3 | - | 2 | 3 | - | 4 | 2 | 5 | 2 | 2 | - | 2 | 4 | 4 | 2 | - | - | - | - | - | - | 2 | Cera nodu |
| Metr seni | 4 | 5 | - | 3 | 2 | 2 | 4 | 3 | 3 | - | 4 | - | 4 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 1 | - | 3 | - | 2 | 2 | 2 | 3 | 3 | 3 | - | - | 2 | 2 | 3 | - | 3 | Metr seni |
| Poly fuco | - | 3 | 3 | 3 | 2 | 2 | 3 | 4 | 4 | 2 | 2 | 3 | 2 | 2 | - | 3 | - | 3 | 2 | 3 | 3 | 4 | 3 | 4 | 4 | 2 | 2 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 3 | - | 2 | 2 | 2 | 1 | Poly fuco |
| Cion inte | - | - | 3 | 3 | - | 4 | 3 | 2 | - | 2 | - | - | - | 2 | 2 | 3 | 4 | 2 | - | 3 | 4 | 2 | 2 | - | 4 | - | - | - | - | 2 | 3 | 3 | 4 | - | - | 3 | - | 4 | 2 | 3 | Cion inte |
| Myti edul | 3 | 2 | 2 | 2 | - | 2 | 4 | - | - | 2 | - | - | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | - | - | - | 2 | 2 | 2 | - | - | 2 | 2 | 2 | 2 | 3 | 3 | - | 2 | 3 | 2 | - | 3 | Myti edul |
| Crep fom | 3 | - | 3 | 3 | 3 | 3 | 3 | 3 | - | 3 | - | 3 | 3 | 3 | 3 | 3 | 3 | - | - | 3 | 3 | 3 | 3 | 3 | 3 | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | 3 | 3 | 3 | 3 | Crep fom |
| Ulva sp | 4 | 2 | - | 2 | 3 | - | 3 | 3 | 2 | 2 | 3 | 2 | 3 | 4 | 3 | 3 | - | 4 | 4 | 2 | 3 | 4 | 3 | 4 | 2 | 2 | - | - | 2 | 3 | 4 | 4 | 2 | 2 | 4 | 4 | 2 | 2 | 2 | 3 | Ulva sp |
| Carc maen | 3 | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 2 | - | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | - | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | Carc maen |
| Cras giga | 2 | 1 | 3 | 4 | 3 | 6 | 6 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 7 | - | 6 | 4 | 4 | 4 | 4 | 5 | 3 | 2 | 4 | 4 | - | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 4 | 4 | Cras giga |
| Hypo hypo | 2 | 2 | 2 | 3 | 4 | 2 | 4 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | - | 2 | 3 | 4 | 4 | 3 | 5 | 4 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | Hypo hypo |
| Saga trog | 4 | 4 | 4 | 4 | 4 | 4 | 3 | - | 4 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 3 | 3 | 4 | 3 | 4 | 4 | 3 | 2 | 4 | 2 | 2 | 3 | 3 | Saga trog |
| Cell rose | 2 | - | - | - | - | - | 3 | - | - | - | - | - | 2 | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 2 | - | - | 2 | - | - | - | Cell rose |
| Phol gunn | - | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 2 | - | 2 | 1 | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 2 | Phol gunn |
| Myca micr | 3 | - | - | - | - | - | 3 | - | - | - | - | - | 3 | - | 2 | 3 | - | - | - | - | - | 2 | - | 3 | 3 | - | - | - | - | - | - | 2 | 2 | - | - | 3 | - | - | - | - | Myca micr |
| Asci aspe | - | - | - | - | - | 4 | 4 | 1 | - | - | - | - | - | 2 | 3 | 2 | 2 | - | - | 3 | 3 | - | 2 | - | - | - | - | - | - | - | 3 | - | 3 | - | - | 4 | - | 5 | 2 | - | Asci aspe |
| Grac verr | 2 | - | - | - | 3 | - | - | - | - | - | - | - | 2 | 2 | - | - | - | 2 | - | 3 | 2 | 2 | - | - | - | - | - | 1 | 1 | - | 4 | 2 | 2 | 2 | - | - | - | - | - | - | Grac verr |
| Homa gamm | 1 | - | - | - | - | - | - | 1 | - | 1 | 1 | - | - | - | - | - | - | 1 | - | 2 | 1 | 1 | - | - | - | - | - | 1 | 2 | 2 | - | - | 2 | - | - | - | - | - | - | 1 | Homa gamm |
| Ecto carp | 2 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | 4 | - | 4 | 2 | 2 | - | - | - | - | 3 | 2 | - | - | - | 2 | - | 2 | - | - | Ecto carp |
| Bryo sp | 1 | 3 | - | - | 4 | - | 2 | - | - | - | - | - | 2 | 5 | 4 | 5 | 5 | - | 5 | 5 | 4 | 5 | 2 | 3 | 4 | 2 | 4 | 3 | - | 6 | 3 | 4 | 5 | - | 2 | 4 | 3 | 4 | 2 | 6 | Bryo sp |
| Stye clav | - | - | 2 | 2 | 2 | 3 | 4 | 2 | - | 2 | - | - | 3 | 3 | 3 | 3 | 2 | - | - | 4 | 3 | 3 | 2 | 2 | 3 | - | 2 | - | 2 | 2 | 3 | 3 | 4 | 3 | - | 3 | 2 | 4 | 4 | 3 | Stye clav |
| Serp muti | 6 | - | - | - | 1 | - | - | - | - | - | 3 | 2 | 2 | 3 | 3 | 3 | 2 | - | 3 | 3 | 2 | 3 | 3 | 4 | 2 | 2 | - | 3 | 4 | 4 | 3 | 2 | 3 | 2 | 4 | - | 2 | 3 | 2 | 1 | Serp muti |
| Litt litt | - | - | 3 | 2 | 2 | 2 | 3 | 3 | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | 2 | - | - | 2 | 2 | - | - | - | 2 | 2 | - | 3 | 2 | 2 | 3 | 3 | 2 | - | - | Litt litt |
| Aste rube | 2 | 1 | 1 | 2 | 3 | 3 | 2 | 2 | 3 | 2 | - | 1 | - | 2 | 2 | 2 | 2 | 2 | 2 | 3 | - | 2 | 2 | 2 | 3 | 2 | - | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 3 | 2 | 2 | Aste rube |
| Poly elon | - | - | - | - | - | - | 3 | - | - | 2 | - | - | 2 | 2 | - | 2 | - | - | 2 | - | - | - | - | - | 2 | - | - | - | 2 | - | - | 2 | - | - | 2 | - | 2 | 1 | 2 | - | Poly elon |
| Chon cris | 1 | - | - | - | 2 | - | - | 3 | - | 1 | - | - | 3 | 3 | - | 2 | - | - | 2 | 3 | 3 | 2 | - | - | 3 | - | - | - | 3 | - | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 3 | - | Chon cris |
| Pala eleg | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | 2 | - | - | - | 3 | 2 | - | - | 2 | 2 | - | - | - | - | - | - | - | - | 2 | 3 | - | 2 | - | 2 | - | Pala eleg |
| Calo lyra | 3 | 3 | - | - | - | 3 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | - | - | - | - | - | - | - | Calo lyra |
| Cirr iped | - | 4 | 4 | 2 | 3 | 2 | 2 | - | - | - | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 2 | 2 | - | 4 | 3 | 2 | 2 | - | 3 | 2 | 3 | 3 | 3 | 4 | 2 | Cirr iped |
| Prau flex | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | 3 | - | - | - | - | 3 | - | - | - | - | Prau flex |
| Sago unda | - | - | - | - | - | 3 | 3 | 3 | - | 2 | 3 | 2 | - | - | - | - | 2 | 2 | 3 | - | - | - | - | 2 | - | 2 | 2 | - | - | 4 | 3 | 2 | 4 | - | 2 | 4 | 2 | 3 | 3 | 2 | Sago unda |
| Poly stri | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 2 | - | - | - | - | - | Poly stri |
| Poma sp | - | - | - | - | - | 2 | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | 2 | - | - | 2 | - | 2 | - | 2 | Poma sp |
| Grif devo | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 4 | 3 | 3 | - | 3 | - | - | - | 1 | 2 | 2 | 4 | 2 | 2 | 4 | 2 | 2 | - | - | - | - | - | - | - | Grif devo |
| Diol dich | - | - | - | - | 2 | - | - | 3 | - | - | - | - | - | 2 | - | 3 | 2 | - | - | - | - | - | - | - | 5 | 2 | - | - | 2 | - | 3 | 3 | 2 | 1 | 2 | - | 2 | 3 | 1 | 2 | Diol dich |
| Hydr echi | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | Hydr echi |
| Dass sp | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - | - | - | - | 3 | 2 | - | - | - | - | - | - | - | - | Dass sp |
| Choa dasy | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 3 | 2 | 3 | 5 | 3 | 2 | - | - | - | - | - | Choa dasy |
| Anti spir | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 4 | - | 2 | 4 | 2 | 2 | 2 | - | 3 | - | - | - | 1 | 2 | - | Anti spir |
| Lomi clav | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 2 | - | 2 | 2 | 3 | 2 | 2 | - | - | - | 2 | 4 | 2 | 2 | Lomi clav |
| Poly hary | - | - | - | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | 2 | 2 | 2 | - | - | - | - | 2 | 3 | 3 | 2 | Poly hary |
| Cera d. | - | - | - | - | 2 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 2 | 3 | - | 2 | 3 | 3 | 3 | - | 2 | - | - | 4 | 3 | 3 | Cera d. |
| Dide macu | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | 2 | 3 | - | 2 | - | 5 | 6 | 6 | 6 | Dide macu |
| Dipl list | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | 3 | - | Dipl list |
| Botr schl | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | 2 | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 1 | - | - | - | - | 2 | 2 | 2 | 3 | 1 | Botr schl |

voor Toelichting zie Tabel 4.4

Tabel 4.2c. TWINSPAN analyse Oosterschelde,5-7 m, locaties: Y, Zijpe; S, Schelphoek; U, Zuidbout; G, Gorishoek; W, Wemeldinge

| locatie jaar | S 95 | S 94 | S 96 | S 91 | S 93 | S 90 | S 89 | U 90 | G 89 | G 90 | W 89 | W 90 | U 89 | G 93 | G 94 | G 95 | W 94 | U 94 | G 91 | W 91 | W 93 | U 91 | U 97 | U 95 | W 95 | Y 93 | Y 94 | Y 95 | U 93 | S 97 | Y 89 | Y 90 | U 96 | G 96 | W 96 | W 97 | G 97 | Y 97 | Y 96 | Y 91 | locatie jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tubu indi | - | - | - | - | 2 | 1 | - | - | 2 | 2 | 3 | 3 | - | 2 | 2 | 2 | - | 2 | 3 | - | 2 | - | - | - | 2 | - | - | - | - | - | 1 | 2 | 1 | 2 | - | - | - | - | - | - | Tubu indi |
| Anti viti | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Anti viti |
| Elys viri | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Elys viri |
| Enop buba | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 2 | - | - | - | - | 2 | 2 | 2 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Enop buba |
| Pala eleg | - | - | - | - | - | - | - | - | 2 | - | 2 | - | - | 1 | 1 | - | 2 | - | - | 2 | 2 | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Pala eleg |
| Aeol papi | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | Aeol papi |
| Hali xena | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | 2 | 2 | - | - | - | - | - | - | - | - | Hali xena |
| Ostr edul | - | - | - | - | - | 1 | - | 2 | - | - | 1 | - | - | - | - | 3 | - | 1 | - | - | - | - | - | - | 2 | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | Ostr edul |
| Apli glab | - | - | - | - | - | - | 1 | 4 | 2 | 4 | - | - | - | - | - | 1 | - | - | 2 | - | - | 1 | 1 | - | - | 1 | - | 2 | - | - | 3 | 1 | - | - | - | - | - | - | - | - | Apli glab |
| Lioc arcu | - | - | - | 2 | - | - | - | - | - | - | - | - | - | 3 | 2 | 2 | 3 | 3 | - | - | 2 | 1 | - | - | 3 | - | 2 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | Lioc arcu |
| Jano cris | - | - | - | 2 | - | - | - | - | 1 | - | - | - | - | - | 1 | - | - | - | 1 | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Jano cris |
| Elec pilo | - | - | - | - | 3 | 2 | - | - | - | - | - | - | - | 2 | 2 | 2 | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Elec pilo |
| Ophi frag | - | 5 | - | 3 | 3 | 6 | 6 | 6 | 6 | 5 | 5 | 5 | 5 | 2 | 5 | 5 | 2 | 2 | 1 | 1 | 2 | - | - | - | - | 4 | 5 | 4 | 3 | - | 5 | 5 | - | - | - | - | - | - | - | 1 | Ophi frag |
| Dipl list | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 4 | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | Dipl list |
| Hipp vari | 2 | - | - | - | 3 | - | 2 | - | 1 | - | - | - | - | - | - | - | 3 | 1 | - | - | - | - | - | - | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | Hipp vari |
| Angn palm | - | - | - | - | - | 2 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Angn palm |
| Phor hipp | - | - | - | 2 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | Phor hipp |
| Neco pube | 3 | 2 | 2 | - | 2 | 3 | 3 | - | 2 | 2 | - | 3 | 2 | - | 1 | 2 | - | - | - | 1 | 2 | - | - | - | 2 | - | - | 1 | 2 | - | - | - | 1 | 1 | - | - | - | - | - | - | Neco pube |
| Myti edul | - | - | 2 | 2 | 2 | - | 2 | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | - | - | 1 | - | 2 | 2 | 2 | - | - | - | - | - | - | - | Myti edul |
| Hale hale | 2 | - | 2 | 2 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | 1 | - | - | - | - | - | Hale hale |
| Hali pani | - | 2 | 3 | 2 | 3 | 3 | - | 2 | 3 | 2 | 2 | - | 1 | - | 2 | - | 3 | 3 | 3 | 3 | 3 | 2 | - | - | - | 2 | - | - | 3 | - | 2 | 2 | 2 | - | - | - | - | - | - | 3 | Hali pani |
| Hali bowe | 3 | - | 3 | 3 | 2 | 1 | 1 | 2 | - | - | - | 2 | 3 | 3 | 2 | 4 | - | 2 | 3 | 2 | 3 | 2 | - | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | - | 2 | - | - | 2 | 1 | - | - | - | Hali bowe |
| Eude ramo | - | - | - | - | - | - | - | - | 1 | - | 3 | - | - | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | Eude ramo |
| Psam mili | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | 1 | 1 | - | - | - | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | 1 | - | Psam mili |
| Crep forn | - | - | - | - | - | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | Crep forn |
| Sert cupr | - | - | 2 | - | - | 1 | - | - | - | - | - | - | - | - | 2 | - | - | - | 3 | 2 | - | - | - | - | - | 2 | - | - | - | - | - | - | 1 | - | - | 1 | - | - | - | 2 | Sert cupr |
| Macr sp | - | - | 1 | 2 | - | - | 2 | - | 1 | - | 1 | 3 | 2 | 2 | 3 | 3 | 2 | 3 | 4 | 3 | 3 | 2 | 1 | 2 | 2 | 2 | 2 | - | - | - | 3 | - | 1 | - | - | 3 | - | 2 | - | 2 | Macr sp |
| Blce cili | 2 | - | 3 | 2 | 2 | 2 | 4 | 2 | 2 | 3 | - | 3 | - | 3 | 3 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 4 | - | 2 | - | - | - | - | 3 | - | - | 3 | 3 | 2 | 3 | 2 | - | - | - | Blce cili |
| Saga trog | - | 4 | 3 | 2 | 2 | 2 | 3 | 3 | - | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 3 | - | - | - | 2 | - | 2 | 3 | - | - | 3 | 3 | 3 | 2 | 3 | 3 | - | - | - | 3 | 3 | - | 2 | Saga trog |
| Clio cela | - | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 1 | - | 3 | 3 | 3 | 3 | 3 | - | 3 | - | 3 | 3 | - | - | 2 | 2 | 3 | 3 | Clio cela |
| Hali ocul | 2 | 2 | 3 | 3 | 3 | 3 | 1 | - | - | 2 | 2 | 3 | 1 | 3 | - | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | - | 2 | 2 | - | 2 | 2 | 2 | 1 | 2 | 2 | 3 | 2 | 2 | 1 | - | 2 | 2 | Hali ocul |
| Aste rube | 2 | 2 | 2 | 2 | 2 | - | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | - | 2 | 2 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | - | 2 | - | 3 | Aste rube |
| Carc maen | - | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | - | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | Carc maen |
| Cras giga | 6 | 4 | 6 | 2 | 5 | 1 | 1 | 2 | 3 | 4 | 2 | 3 | 3 | 4 | 3 | 3 | 5 | 5 | 4 | 4 | 6 | 4 | 7 | 6 | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 7 | 5 | 4 | 5 | 5 | 5 | 4 | 5 | 5 | Cras giga |
| Diad cinc | 3 | 3 | 3 | 4 | 4 | 5 | 4 | 5 | 4 | 5 | 5 | 5 | 6 | 4 | 3 | 3 | 3 | 3 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 3 | 2 | 3 | 4 | 3 | 5 | 5 | 5 | 4 | 4 | 3 | 4 | 3 | 3 | 3 | Diad cinc |
| Pagu bern | - | 3 | 1 | - | - | - | 1 | - | 2 | - | 2 | - | 2 | 1 | 1 | - | 2 | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | - | - | - | - | - | Pagu bern |
| Lioc hols | - | - | - | 1 | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | Lioc hols |
| Calo lyra | - | 1 | - | - | - | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | 1 | 1 | - | 3 | - | 2 | - | - | - | - | - | - | Calo lyra |
| Canc pagu | 2 | 2 | 1 | 1 | 1 | 1 | - | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | 2 | 1 | - | 1 | - | - | - | - | - | - | - | - | - | - | 2 | 1 | Canc pagu |
| Camp anul | 3 | 3 | 4 | 3 | 2 | 2 | 2 | - | - | - | - | - | - | 2 | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | - | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | - | 3 | 2 | 2 | - | - | 2 | 2 | - | Camp anul |
| Metr seni | 3 | 3 | 4 | 4 | 3 | 4 | 5 | - | - | 3 | 1 | 3 | - | 3 | 3 | 3 | 2 | 2 | - | 2 | - | 2 | - | - | 2 | 2 | 2 | - | 2 | 3 | 2 | 2 | 3 | 3 | - | 2 | 3 | 3 | 2 | - | Metr seni |
| Sago unda | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 2 | 2 | - | 2 | 3 | - | - | - | - | - | 2 | - | - | Sago unda |
| Alcy myti | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | Alcy myti |
| Bugu plum | 4 | - | 2 | 3 | 3 | 4 | 4 | - | - | - | - | 4 | 3 | - | 2 | 3 | 2 | 2 | 2 | 3 | - | 2 | 3 | 3 | 2 | - | - | - | 2 | - | 1 | - | 2 | 3 | 3 | 3 | 4 | 3 | - | - | Bugu plum |
| Poma sp | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 1 | - | - | - | - | - | - | - | - | - | - | 2 | - | 2 | 1 | 2 | - | - | - | - | - | 2 | Poma sp |
| Cirr iped | - | 2 | 2 | - | - | 3 | - | 2 | - | - | - | - | - | 2 | 2 | 3 | 2 | - | - | - | - | - | - | 4 | 2 | - | 2 | 3 | - | - | - | 2 | 3 | 2 | 2 | - | - | 2 | 2 | 3 | Cirr iped |
| Gobi nige | - | - | - | - | - | 1 | 2 | - | 1 | 2 | - | - | 1 | 2 | 2 | - | 2 | 2 | - | - | 1 | - | - | 1 | 2 | - | 2 | 3 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | - | - | - | 2 | 3 | Gobi nige |
| Homa gamm | - | - | 2 | 1 | - | 1 | - | - | - | - | - | - | 1 | 2 | 2 | 1 | 2 | - | 2 | 1 | - | - | 2 | - | 2 | - | 2 | - | 2 | 1 | - | - | 2 | 2 | 2 | 2 | 2 | - | - | - | Homa gamm |
| Stye clav | - | - | 2 | - | - | - | - | 2 | 2 | 3 | 3 | 3 | 2 | 3 | 4 | 4 | 2 | 3 | 4 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 3 | 4 | 4 | 3 | 3 | 3 | 4 | 4 | 4 | 3 | Stye clav |
| Cion inte | - | - | - | 2 | - | - | - | 3 | 3 | 3 | 2 | - | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 4 | 2 | 5 | 3 | - | 2 | 2 | 2 | 3 | 2 | 2 | 3 | 4 | 4 | 3 | 3 | 4 | 4 | 4 | 5 | 5 | Cion inte |
| Litt litt | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | Litt litt |
| Asci aspe | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | 2 | - | - | 1 | 4 | 3 | - | 3 | - | - | - | 3 | 3 | 4 | 3 | - | 3 | 4 | 3 | 2 | 3 | 2 | 3 | 3 | 5 | 5 | Asci aspe |
| Pter plum | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | 2 | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | - | - | 2 | - | Pter plum |
| Cara d | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | 2 | 2 | - | - | 2 | - | Cara d |
| Hypo hypo | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 2 | 2 | 2 | 2 | - | - | 2 | - | Hypo hypo |
| Dide macu | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 2 | 1 | 4 | 4 | - | 1 | - | - | - | 2 | 3 | 5 | 5 | 6 | 5 | - | Dide macu |
| Phol gunn | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 1 | 1 | - | - | 1 | 1 | - | Phol gunn |
| Myca micr | - | - | 2 | - | - | - | 3 | 1 | - | - | 3 | - | - | - | 3 | 2 | - | - | - | - | 2 | - | 3 | - | 2 | 2 | 2 | 2 | 3 | 2 | 3 | - | 4 | 3 | 3 | 3 | 3 | - | - | 2 | Myca micr |

voor toelichting zie Tabel 4.4

Tabel 4.3 TWINSPAN analyse Veerse Meer, locaties V, Vrouwenpolder; J, Jonkvrouw-Annapolder

| locatie jaar | J97 | J97 | J96 | J95 | V97 | J96 | J95 | V97 | V96 | V95 | V94 | V96 | V95 | V94 | J93 | V89 | V91 | J94 | J93 | V93 | J94 | V90 | V90 | V93 | V89 | V91 | J89 | J90 | J89 | J90 | J91 | J91 | locatie jaar |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ondergrens (m) | 5 | 2 | 2 | 2 | 2 | 5 | 5 | 7 | 7 | 7 | 7 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 5 | 2 | 5 | 2 | 7 | 7 | 10 | 7 | 5 | 5 | 2 | 2 | 5 | 2 | ondergrens (m) |
| *Poly stri* | - | 2 | - | 3 | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Poly stri* |
| *Cera d* | - | - | 2 | - | 2 | - | - | - | - | - | 2 | 2 | 3 | 4 | - | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Cera d* |
| *Bryo sp* | - | 2 | 2 | - | 4 | - | - | - | - | - | - | 3 | 3 | 3 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Bryo sp* |
| *Pala adsp* | - | - | - | - | - | - | 2 | - | - | 2 | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Pala adsp* |
| *Cono seur* | - | - | - | 2 | - | - | 2 | - | 2 | - | 3 | - | 2 | 2 | 4 | - | - | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | *Cono seur* |
| *Poma sp* | - | - | - | - | - | - | - | - | - | 2 | 2 | - | 2 | 2 | - | - | 2 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | 2 | *Poma sp* |
| *Ulva sp* | - | - | - | - | - | - | - | - | - | - | - | 4 | 2 | 4 | - | - | 5 | - | - | 3 | - | 3 | - | - | - | - | - | - | - | - | - | - | *Ulva sp* |
| *Prau flex* | - | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | 3 | - | - | - | - | - | - | - | 3 | - | 3 | *Prau flex* |
| *Dasy bail* | - | 5 | 4 | 4 | 3 | 2 | - | - | - | - | 2 | 5 | 3 | 3 | 2 | 3 | - | - | 3 | 4 | 2 | - | - | - | - | - | - | - | - | - | - | - | *Dasy bail* |
| *Cras giga* | 5 | 4 | 5 | 5 | 2 | 5 | 4 | - | - | - | - | - | - | - | 3 | - | - | 2 | 3 | - | 3 | - | - | - | - | - | - | - | - | - | 3 | 3 | *Cras giga* |
| *Chae linu* | - | 3 | 2 | 2 | - | - | - | - | - | - | - | 2 | 2 | 4 | - | 7 | 4 | 6 | - | 3 | 4 | 4 | - | - | - | - | - | - | 6 | - | - | 5 | *Chae linu* |
| *Chon cris* | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 4 | 4 | - | 4 | - | - | - | - | - | - | - | - | - | - | 3 | 3 | - | 5 | *Chon cris* |
| *Cera nodu* | 2 | 3 | 2 | - | - | - | - | - | - | - | - | - | - | 2 | 6 | 3 | 3 | - | - | 4 | - | - | - | - | - | - | - | - | 3 | 3 | 3 | 5 | *Cera nodu* |
| *Hali sp* | 5 | 3 | 4 | - | 4 | 4 | 3 | 3 | - | - | - | - | - | - | 2 | - | 3 | - | 3 | - | - | - | - | - | - | 3 | 3 | 4 | 3 | 3 | - | - | *Hali sp* |
| *Cali rose* | 4 | 4 | 3 | 4 | 4 | 2 | 4 | - | - | - | 3 | 5 | 4 | 2 | 3 | - | - | - | 3 | 3 | - | 3 | 2 | - | - | - | - | 2 | - | - | 4 | 4 | *Cali rose* |
| *Gobi nige* | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | - | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | *Gobi nige* |
| *Myti edul* | 5 | 3 | 4 | 4 | 4 | 4 | 5 | 4 | 4 | 3 | 3 | 6 | 4 | 5 | 6 | 5 | 5 | 5 | 6 | 6 | 6 | 5 | 4 | 4 | 6 | 6 | 3 | 3 | 3 | 3 | 3 | 3 | *Myti edul* |
| *Carc maen* | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 4 | 2 | 3 | 2 | 2 | *Carc maen* |
| *Pala eleg* | - | - | - | - | - | - | 2 | 2 | 2 | - | - | 2 | - | - | - | - | - | 2 | 2 | - | 2 | - | - | - | - | - | - | - | 2 | - | - | - | *Pala eleg* |
| *Diad cinc* | 4 | 3 | 3 | 2 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 2 | 2 | 4 | 5 | 4 | 3 | 4 | 4 | 4 | *Diad cinc* |
| Cirr iped | - | 2 | 3 | 4 | 4 | 3 | 4 | 4 | 3 | 2 | 4 | 4 | 3 | 2 | 5 | 5 | 2 | 3 | 5 | 4 | 3 | 5 | 4 | 4 | 6 | 3 | 5 | 4 | 5 | 4 | 4 | 4 | Cirr iped |
| *Clad sp* | - | 2 | 3 | - | - | - | - | - | - | - | - | - | 2 | - | 4 | - | 4 | - | 3 | 3 | - | 5 | - | - | - | - | - | - | - | 5 | 2 | 2 | *Clad sp* |
| *Rhit harr* | - | 1 | 2 | - | 2 | 2 | 2 | - | 2 | - | - | 2 | 1 | 2 | - | 3 | - | - | - | - | - | 3 | 3 | - | 3 | 3 | 2 | 3 | 2 | 3 | - | - | *Rhit harr* |
| *Fico enig* | - | - | - | 2 | - | - | 2 | - | - | 4 | 2 | - | - | 2 | - | 3 | - | - | 3 | - | 2 | 1 | 5 | - | 3 | - | 2 | 2 | 1 | 2 | - | - | *Fico enig* |
| Camp anul | - | - | 2 | - | - | 2 | 2 | - | 2 | 2 | 2 | - | 2 | - | - | - | 3 | - | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 2 | 3 | - | 4 | 4 | Camp anul |
| *Botr schl* | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 3 | 3 | 2 | - | 3 | 4 | 5 | 3 | 3 | 4 | 4 | 3 | 3 | 4 | 3 | 4 | 2 | 2 | *Botr schl* |
| *Molg manh* | 4 | 3 | - | - | 2 | - | 2 | 2 | - | - | - | 1 | - | - | - | 4 | 2 | - | - | 4 | 2 | 4 | 4 | 4 | 4 | 2 | 5 | - | 4 | 2 | 2 | 2 | *Molg manh* |
| *Litt litt* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | 4 | - | 2 | *Litt litt* |
| *Hall xena* | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 3 | 3 | - | - | - | - | - | 5 | 4 | 3 | 4 | 4 | 4 | *Hall xena* |
| *Stye clav* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | 4 | - | - | 3 | 3 | *Stye clav* |
| *Aure auri* | - | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | 2 | - | - | - | 3 | - | 2 | - | - | 4 | - | 3 | - | - | *Aure auri* |
| *Cran cran* | - | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | 2 | - | - | - | *Cran cran* |

voor toelichting zie Tabel 4.4

Tabel 4.4 TWINSPAN analyse Westerschelde. locaties R, Ritthem; K, Kruiningen

| locatie | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | K | K | K | K | K | K | K | K | locatie |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| jaar | 90 | 90 | 94 | 89 | 89 | 91 | 96 | 93 | 93 | 94 | 97 | 97 | 91 | 95 | 96 | 95 | 89 | 90 | 91 | 95 | 97 | 96 | 94 | 93 | jaar |
| ondergrens (m) | 2 | 7 | 7 | 3 | 15 | 7 | 7 | 2 | 7 | 2 | 7 | 2 | 2 | 7 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | ondergrens (m) |
| *Ostr edul* | - | - | - | 2 | 2 | - | - | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Ostr edul* |
| *Hall ocul* | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 4 | 3 | 2 | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | *Hall ocul* |
| *Tubu lary* | - | - | - | 2 | 2 | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Tubu lary* |
| *Myca micr* | 3 | 3 | - | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Myca micr* |
| *Neco pube* | 3 | 3 | - | - | - | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Neco pube* |
| *Canc pagu* | 3 | 3 | 2 | - | - | 1 | 1 | 2 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | *Canc pagu* |
| *Angn palm* | 5 | 4 | - | 3 | 2 | - | - | 2 | 4 | 4 | - | - | - | 2 | - | - | - | - | - | - | - | - | - | - | *Angn palm* |
| *Bice cili* | 4 | 4 | 3 | 4 | 4 | 2 | 3 | 2 | 2 | 3 | - | - | 2 | - | 4 | - | - | - | - | - | - | - | - | - | *Bice cili* |
| *Bugu sp* | 2 | 2 | 2 | 2 | 2 | - | - | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | *Bugu sp* |
| *Macr sp* | 3 | 3 | 2 | 2 | 2 | 1 | 1 | 3 | 3 | - | - | - | - | 3 | - | 3 | - | - | - | - | - | - | - | - | *Macr sp* |
| *Metr seni* | 4 | 4 | 2 | 5 | 5 | 4 | 5 | 4 | - | 4 | 4 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | *Metr seni* |
| *Sert cupr* | - | - | - | - | - | 3 | 3 | 3 | 3 | - | 2 | - | 3 | 2 | - | - | - | - | - | - | - | - | - | - | *Sert cupr* |
| *Hali pani* | - | - | - | 2 | 2 | - | 4 | 3 | 3 | - | - | 3 | - | 3 | 3 | 2 | - | - | - | - | - | - | - | - | *Hali pani* |
| *Tubu indi* | 3 | 3 | 3 | 4 | 4 | 3 | 4 | 1 | 1 | 2 | 4 | 4 | 3 | 3 | 4 | 2 | - | - | - | - | - | - | - | - | *Tubu indi* |
| *Poly fuco* | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | - | 2 | 2 | - | - | - | - | - | - | - | - | *Poly fuco* |
| *Cera nodu* | - | - | - | - | - | - | - | - | - | 4 | - | 2 | 4 | - | 2 | 3 | - | - | - | - | - | - | - | - | *Cera nodu* |
| *Hypo hypo* | - | - | - | - | - | - | - | - | - | 3 | - | 3 | 3 | - | 3 | 3 | - | - | - | - | - | - | - | - | *Hypo hypo* |
| *Elec pilo* | 2 | 2 | - | 2 | 2 | - | 3 | 2 | 2 | - | 2 | 2 | 1 | 2 | 3 | 3 | - | - | - | - | - | - | - | 3 | *Elec pilo* |
| *Diad cinc* | 4 | 4 | 5 | 4 | 4 | 4 | - | 2 | 4 | 3 | 4 | 3 | 4 | - | - | - | 2 | 3 | 4 | - | - | - | - | 4 | *Diad cinc* |
| *Crep forn* | 3 | 3 | - | 3 | 3 | 3 | 3 | 3 | 3 | 3 | - | - | 3 | 3 | 3 | 3 | 3 | 3 | - | - | - | - | - | - | *Crep forn* |
| *Aste rube* | - | - | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 2 | - | - | 2 | 3 | - | 2 | 2 | - | - | *Aste rube* |
| *Alcy myti* | - | - | - | - | - | - | - | 2 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | *Alcy myti* |
| *Saga trog* | - | - | - | - | - | - | 3 | 3 | - | 3 | - | - | 2 | - | - | - | - | 1 | - | - | 2 | 2 | - | - | *Saga trog* |
| Camp anul | - | - | 2 | 3 | 3 | 2 | 3 | 3 | 2 | 2 | - | - | 2 | 2 | 3 | - | - | 3 | - | - | 2 | 3 | 3 | 2 | Camp anul |
| *Carc maen* | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | - | 2 | 2 | 2 | 2 | 2 | 2 | 2 | - | 3 | 3 | 3 | 2 | 2 | 3 | - | *Carc maen* |
| Cirr iped | 3 | 3 | 3 | 4 | 4 | 2 | 2 | 4 | 3 | 3 | - | - | 2 | 3 | 3 | 4 | 7 | 7 | 4 | 5 | 6 | 6 | 5 | - | Cirr iped |
| *Myti edul* | - | - | - | 2 | 2 | 2 | - | - | - | - | - | - | 2 | - | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 4 | 3 | 4 | *Myti edul* |
| *Molg manh* | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 2 | 4 | 3 | 3 | 2 | - | 3 | 2 | *Molg manh* |
| *Cras giga* | - | - | - | - | - | 2 | - | - | - | 3 | - | - | - | 2 | 4 | 3 | - | 2 | 3 | 3 | 7 | 6 | 4 | 6 | *Cras giga* |

Toelichting bij Tabel 4:
Voor soortafkortingen zie alfabetische soortenlijst (Bijlage 1). Algen worden weergegeven met een gerasterde achtergrond.
TWINSPAN 1e, 2e en 3e delingsniveau aangegeven door respectievelijk dubbele, enkele dikke en onderbroken lijn. Vette lijnstukken duiden op indicatorsoorten. Bij grote clusters kan het 4e niveau ook door deze vette lijnstukken ter hoogte van indicatorsoorten aangegeven zijn.
Voor omzetting van TWINSPAN codes naar Braun-Blanquet, zie Tabel 2.

Tabel 5. Maximale Braun-Blanquet scores bij soorten met opvallende temporele variatie, Grevelingenmeer- en Oosterscheldelocaties

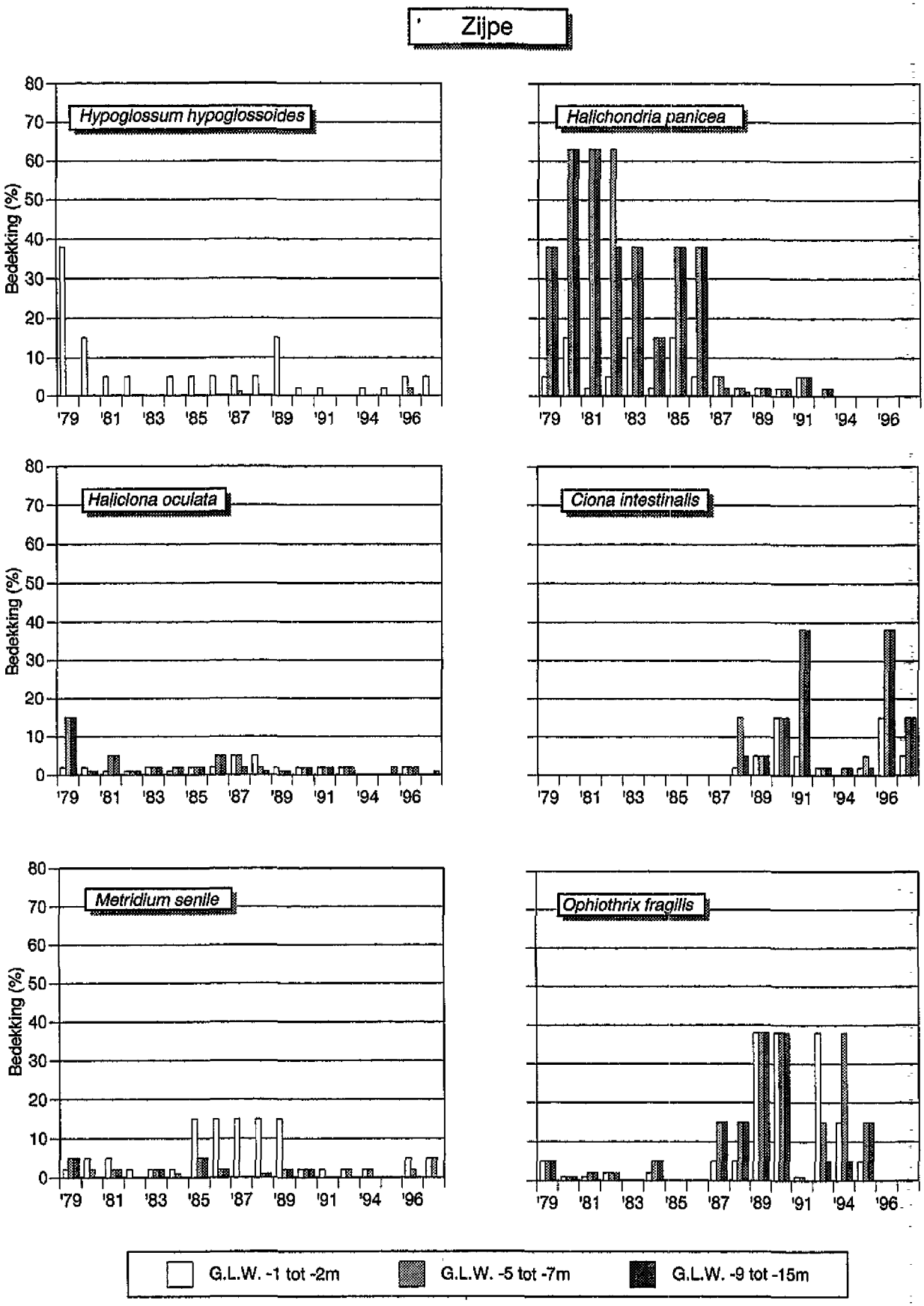
| | | | Grevelingenmeer | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Preekhilpolder | | | | | | | | Dreischor | | | | | | | |
| | | diepte (m) | 89 | 90 | 91 | 93 | 94 | 95 | 96 | 97 | 89 | 90 | 91 | 93 | 94 | 95 | 96 | 97 |
| Groen-wieren | *Bryopsis* sp. | | 3 | 4 | 0 | 2 | 5 | 3 | 2 | 4 | 3 | 1 | 1 | | 4 | 3 | 2 | 4 |
| | *Codium fragile* | | 1 | 2 | 3 | 1 | 2 | r | 1 | 3 | 1 | 4 | 3 | 4 | 2 | 2 | 2 | 3 |
| | *Ulva* sp. | | + | | | 3 | 1 | + | + | 2 | 2 | 2 | 3 | 3 | 1 | 1 | 2 | 2 |
| Bruin-wieren | *Laminaria saccharina* | | | | | | | | | | | | | | | | | |
| | *Sargassum muticum* | | 3 | 3 | 2 | 3 | 2 | 2 | 3 | 4 | 5 | + | 3 | 2 | 2 | 2 | 3 | 3 |
| Rood-wieren | *Antithamnionella spirographidis* | | | | | | | | + | | | | | | | | 1 | + |
| | *Antithamnion villosum* | | | | 3 | 1 | 1 | | | | 3 | | + | 1 | 3 | + | 1 | |
| | *Ceramium diaphanum* | | | | | | 3 | | 1 | 1 | | | | | 2 | r | 2 | 3 |
| | *Ceramium nodulosum* | | + | | 2 | 1 | r | | + | + | | 1 | + | + | | | | + |
| | *Chondria dasyphylla* | | | | | | | | | | | | | | | | | |
| | *Dasyasiphonia* sp. | | | | | | | | + | 3 | | | | | | | 2 | + |
| | *Dumontia contorta* | | | | | | | | | | | | | | | | | |
| | *Griffithsia devoniensis* | | 1 | 3 | | | | r | + | 2 | 1 | 4 | 3 | + | | | 1 | 2 |
| | *Lomentaria clavellosa* | | | | | | | | + | | | | | | | | + | + |
| | *Phymatolithon lenormandii* | | | | | | | + | 1 | | | | | | | | | |
| Netel-dieren | *Diadumene cincta* | 0-3 | | | + | + | | + | 2 | 1 | r | 1 | + | 1 | + | + | 1 | + |
| | | 3-15 | | | 1 | 1 | 1 | + | 2 | 1 | 1 | 1 | + | 1 | 1 | + | 2 | 2 |
| | *Metridium senile* | 0-3 | + | | | | | | + | | r | + | r | | | | | |
| | | 3-15 | | | | | + | | | | | | r | + | | | | |
| Week-dieren | *Crassostrea gigas* | 0-3 | | | | | | r | + | 1 | | | | | | | | |
| | | 3-15 | | | | | | | r | | | | | | r | | | |
| | *Ostrea edulis* | 0-3 | 4 | 2 | 2 | 2 | 1 | + | 1 | 2 | 2 | 1 | + | 1 | | + | 1 | 1 |
| | | 3-15 | 4 | 2 | 2 | 2 | 1 | | 2 | 2 | 3 | 2 | + | 1 | + | 1 | 1 | 2 |
| Stekel-huidigen | *Ophiothrix fragilis* | 0-3 | | | | | | | | | | | | | | | | |
| | | 3-15 | | | | | | | | | | | | | | | | |
| Mantel-dieren | *Ascidiella aspersa* | 0-3 | 1 | 2 | 2 | + | + | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 2 |
| | | 3-15 | 1 | 2 | 2 | + | + | + | 1 | 2 | 2 | 3 | 2 | 2 | 1 | 1 | 2 | 3 |
| | *Ciona intestinalis* | 0-3 | 1 | + | 2 | + | + | 1 | 1 | 1 | 2 | + | 1 | 1 | | + | 1 | 1 |
| | | 3-15 | 1 | + | 2 | + | + | + | 3 | 1 | 3 | + | 1 | 1 | 1 | 1 | 2 | 1 |
| | *Didemnum cf. maculosum* | 0-3 | | | | | | | | | | | | | | | | |
| | | 3-15 | | | | | | | | | | | | | | | | |

| | | | Oosterschelde | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Zijpe | | | | | | | | Gorishoek | | | | | | | | Wemeldinge | | | | | | | |
| | | diepte (m) | 89 | 90 | 91 | 93 | 94 | 95 | 96 | 97 | 89 | 90 | 91 | 93 | 94 | 95 | 96 | 97 | 89 | 90 | 91 | 93 | 94 | 95 | 96 | 97 |
| Groen-wieren | *Bryopsis* sp. | | + | | 2 | 2 | 1 | + | 3 | 4 | 1 | 1 | 3 | 3 | + | | 2 | 4 | 1 | 2 | 2 | 3 | + | | 1 | 4 |
| | *Codium fragile* | | | | | | | | | | + | | 2 | + | + | | + | + | 2 | | 1 | + | | | + | + |
| | *Ulva* sp. | | 2 | | 2 | 2 | + | + | 1 | 1 | 3 | 3 | 3 | 2 | 1 | 1 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 1 | 3 | 2 |
| Bruin-wieren | *Laminaria saccharina* | | | | | | | | | | | r | + | + | | | | | 2 | | | | | | | |
| | *Sargassum muticum* | | | | | 2 | + | + | 1 | r | 2 | + | 1 | 1 | 1 | + | 1 | 1 | 3 | r | + | 3 | 2 | 2 | 2 | 3 |
| Rood-wieren | *Antithamnionella spirographidis* | | | | | | | + | r | | | | | | | 1 | + | | | | | | | 2 | + | + |
| | *Antithamnion villosum* | | | + | 1 | 2 | | | | | + | + | 2 | 2 | + | | | | | 1 | 2 | 1 | 2 | | | |
| | *Ceramium diaphanum* | | | | | | + | | 2 | 1 | | | | | + | | 2 | 1 | | | | | + | | 1 | + |
| | *Ceramium nodulosum* | | + | + | | + | | | | + | | 3 | | 3 | | | 2 | + | 3 | 2 | + | 1 | | | 2 | 1 |
| | *Chondria dasyphylla* | | | | | | | r | | | | | | | + | 1 | 2 | 3 | | | | | + | 1 | + | 1 |
| | *Dasyasiphonia* sp. | | | | | | | | | | | | | | | | + | | | | | | | | 1 | |
| | *Dumontia contorta* | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | | |
| | *Griffithsia devoniensis* | | | | | | | | | | | | | | | | + | + | | | 0 | | | + | 2 | 1 |
| | *Lomentaria clavellosa* | | | | | | + | + | 2 | 1 | | | | | | + | + | + | | | | | + | + | 1 | + |
| | *Phymatolithon lenormandii* | | | | | | | | 1 | | | | | | | | | + | 1 | | | | | | + | |
| Netel-dieren | *Diadumene cincta* | 0-3 | 3 | 2 | 1 | 1 | + | | + | | 2 | 3 | 2 | 1 | 1 | 1 | 1 | | 2 | 3 | 3 | 3 | 1 | 1 | 1 | 1 |
| | | 3-15 | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | 2 |
| | *Metridium senile* | 0-3 | 2 | + | + | + | + | | 1 | 1 | + | 1 | 1 | + | 2 | + | 2 | 1 | r | 1 | + | + | 1 | + | 2 | 2 |
| | | 3-15 | + | + | + | + | + | | 1 | 1 | + | 1 | + | 1 | 1 | 1 | 2 | 1 | r | 1 | + | + | + | + | 2 | 2 |
| Week-dieren | *Crassostrea gigas* | 0-3 | 5 | 5 | 3 | 5 | 3 | 2 | 4 | 2 | 1 | 2 | 2 | 2 | 3 | 3 | 2 | 2 | + | 1 | 2 | 4 | 2 | 2 | 2 | 2 |
| | | 3-15 | 4 | 5 | 3 | 4 | 4 | 3 | 4 | 2 | 1 | 2 | 2 | 3 | 1 | 1 | 2 | 4 | + | 1 | 2 | 4 | 4 | 4 | 4 | 4 |
| | *Ostrea edulis* | 0-3 | | | | | | + | | | | | | | | 1 | | | r | | | | | 1 | | |
| | | 3-15 | | | | | | + | | | | | | | + | 2 | | | r | | | | | + | | |
| Stekel-huidigen | *Ophiothrix fragilis* | 0-3 | 3 | 4 | r | 3 | 3 | 1 | | | 3 | 4 | r | 3 | 3 | 2 | | | 3 | 4 | r | 2 | + | | | |
| | | 3-15 | 3 | 3 | r | 2 | 3 | 2 | | r | 4 | 3 | r | 1 | 3 | 4 | | | 3 | 3 | r | + | + | | | |
| Mantel-dieren | *Ascidiella aspersa* | 0-3 | 2 | 2 | 3 | 1 | 1 | 1 | 3 | | + | + | 2 | + | + | | + | 1 | | | 1 | | | | 1 | |
| | | 3-15 | 1 | 2 | 3 | 1 | 1 | 2 | 3 | 1 | | | 2 | 1 | + | r | + | 1 | | | 1 | | | | 2 | + |
| | *Ciona intestinalis* | 0-3 | 2 | 2 | 2 | + | + | + | 3 | 2 | 1 | 1 | 2 | + | + | | 1 | 2 | + | + | 2 | + | | + | 1 | + |
| | | 3-15 | 2 | 2 | 3 | + | + | 1 | 3 | 2 | 1 | 1 | 2 | + | + | + | 2 | 2 | + | | 2 | + | + | + | 2 | 2 |
| | *Didemnum cf. maculosum* | 0-3 | | | | 1 | 4 | 4 | 4 | 4 | | | | | | r | + | 2 | | | | | + | + | + | 2 |
| | | 3-15 | | | | 1 | 3 | 3 | 4 | 4 | | | | | r | + | 1 | 3 | | | | | + | + | 2 | 3 |

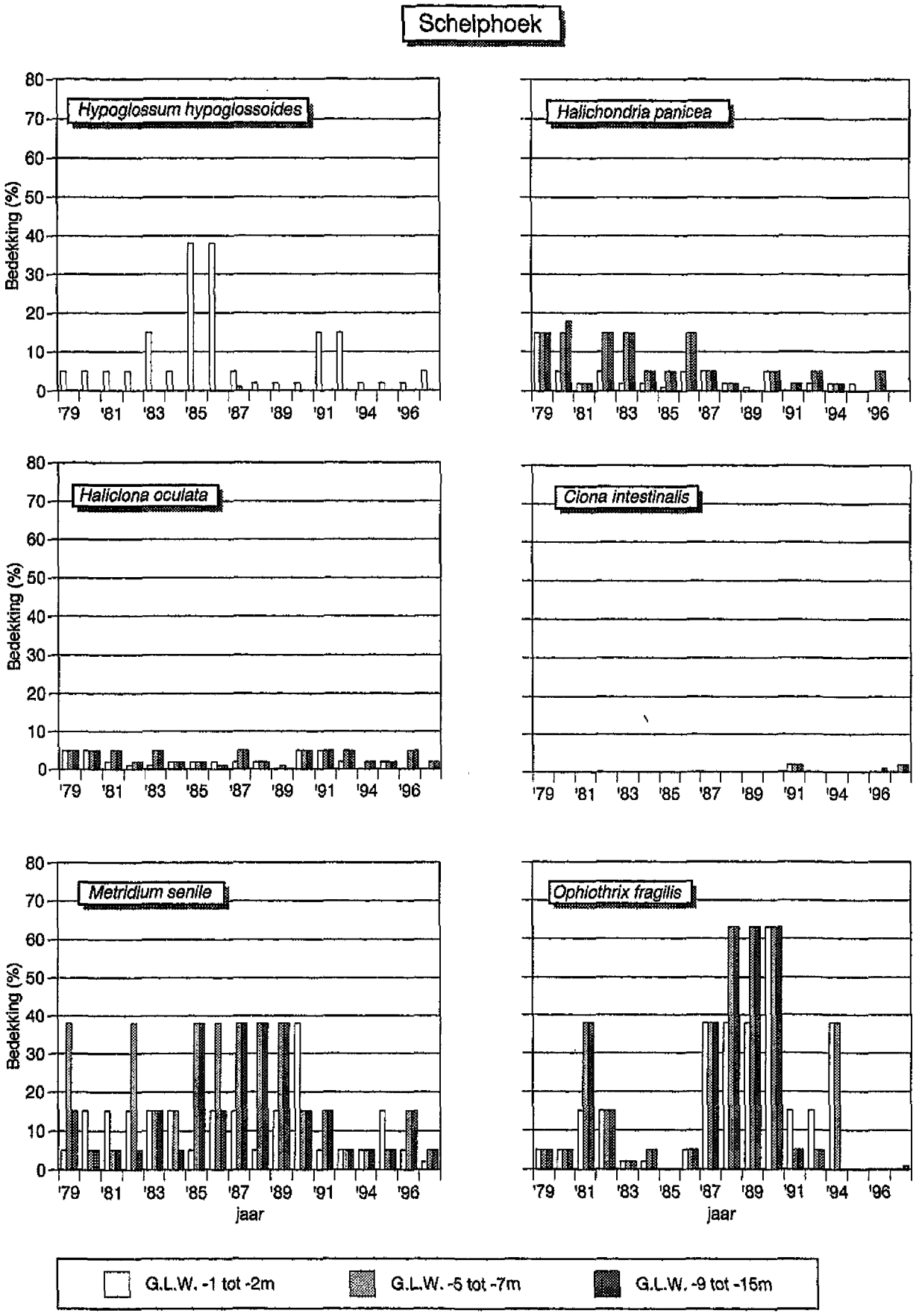
| | | | Oosterschelde | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Zuidbout | | | | | | | | Schelphoek | | | | | | | |
| | | diepte (m) | 89 | 90 | 91 | 93 | 94 | 95 | 96 | 97 | 89 | 90 | 91 | 93 | 94 | 95 | 96 | 97 |
| Groen-wieren | *Bryopsis* sp. | | | | 3 | 3 | + | | 2 | 4 | + | 1 | | 3 | | | + | 3 |
| | *Codium fragile* | | | | | | | | r | | | | | + | | | | |
| | *Ulva* sp. | | + | 1 | 2 | 3 | 1 | 2 | + | 1 | 3 | 2 | 2 | 3 | 1 | 2 | 1 | 2 |
| Bruin-wieren | *Laminaria saccharina* | | | | | | 2 | | | | | | | | 2 | | | |
| | *Sargassum muticum* | | | | + | 1 | | 2 | 1 | 2 | 4 | + | | 1 | | 2 | 1 | 1 |
| Rood-wieren | *Antithamnionella spirographidis* | | | | | | | | 1 | + | | | | | | | 2 | 1 |
| | *Antithamnion villosum* | | | | | + | 3 | 2 | | | | + | 2 | 1 | 2 | 2 | | |
| | *Ceramium diaphanum* | | | | | | | | 1 | + | | | | | | | r | 1 |
| | *Ceramium nodulosum* | | | 1 | 2 | 2 | | + | + | 1 | 3 | 2 | 3 | 2 | 2 | 1 | 3 | 2 |
| | *Chondria dasyphylla* | | | | | | | | | | | | | | | | | |
| | *Dasyasiphonia* sp. | | | | | | | | 2 | | | | | | | | + | |
| | *Dumontia contorta* | | | | | | | | 1 | | | | | | | | 1 | |
| | *Griffithsia devoniensis* | | | | 2 | | 1 | | + | 1 | | | 1 | 1 | + | | + | 2 |
| | *Lomentaria clavellosa* | | | | | | | | + | + | | | | | | | | |
| | *Phymatolithon lenormandii* | | | | | | | | 2 | | | | | | | | | |
| Netel-dieren | *Diadumene cincta* | 0-3 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 3 | 2 | 1 | | 1 | 1 | + |
| | | 3-15 | 4 | 3 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 1 | 1 |
| | *Metridium senile* | 0-3 | | | + | + | 1 | | | | 3 | 3 | 2 | 1 | 1 | 2 | 2 | 1 |
| | | 3-15 | | | + | + | + | | 1 | | 3 | 2 | 2 | 1 | 1 | 1 | 2 | 1 |
| Week-dieren | *Crassostrea gigas* | 0-3 | 2 | 2 | 4 | | 2 | 3 | 2 | 5 | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 3 |
| | | 3-15 | 2 | + | 3 | 3 | 3 | 4 | 4 | 5 | r | r | 1 | 3 | 4 | 4 | 4 | 3 |
| | *Ostrea edulis* | 0-3 | | + | | | | r | r | | | | | | | | | |
| | | 3-15 | | + | | | r | r | | | | r | | | | | | |
| Stekel-huidigen | *Ophiothrix fragilis* | 0-3 | 5 | 4 | | 3 | 3 | | | | 4 | 4 | 2 | 2 | 3 | | | r |
| | | 3-15 | 4 | 4 | | 2 | 2 | | | | 4 | 4 | 1 | 1 | 3 | | | r |
| Mantel-dieren | *Ascidiella aspersa* | 0-3 | | + | 1 | + | r | | 1 | | | | | | | | | |
| | | 3-15 | | + | 1 | 1 | r | | 1 | | | | | | | | | |
| | *Ciona intestinalis* | 0-3 | + | 1 | 3 | 1 | + | | 2 | 1 | | | + | | | | | |
| | | 3-15 | + | 1 | 4 | 1 | + | r | 2 | 1 | | | + | | | | r | + |
| | *Didemnum cf. maculosum* | 0-3 | | | | | | | | | | | | | | | | |
| | | 3-15 | | | | | | | | + | | | | | | | | r |

Tabel 6. Biodiversiteit in de Oosterschelde. Gemiddeld aantal soorten per opname; tussen 0 en 3 m wordt het aantal soorten algen en diersoorten apart vermeld.

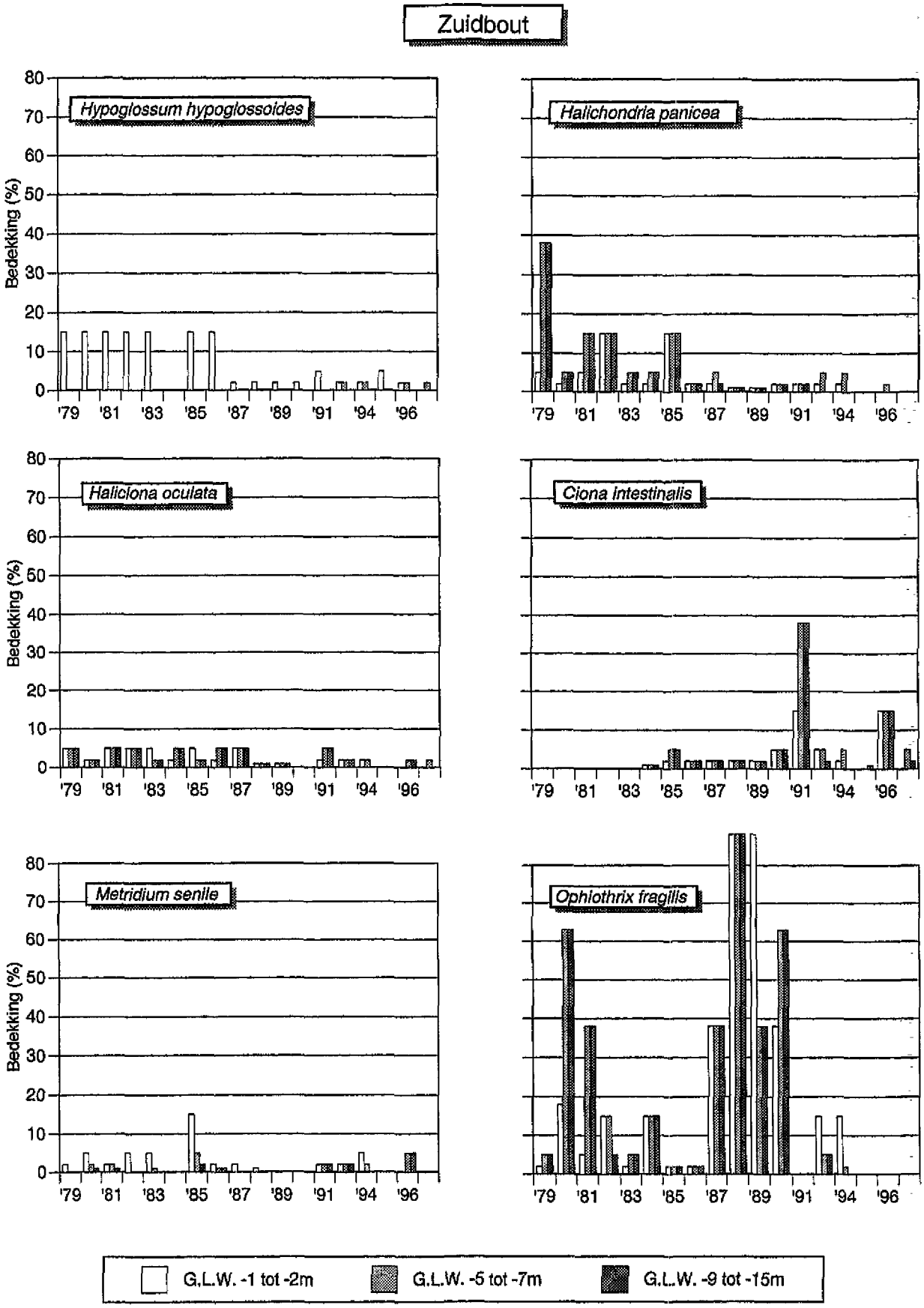
| locatie | diepte (m) | | 1989 | 1990 | 1991 | 1993 | 1994 | 1995 | 1996 | 1997 |
|---|---|---|---|---|---|---|---|---|---|---|
| **Zijpe** | 0-3 | algen | 9,3 | 4,0 | 7,7 | 7,3 | 8,3 | 9,7 | 14,0 | 10,0 |
| | | dieren | 28,7 | 25,7 | 21,3 | 24,7 | 17,3 | 21,7 | 19,7 | 17,3 |
| | 3-15 | totaal | 24,3 | 23,5 | 19,3 | 24,0 | 22,5 | 28,8 | 19,0 | 20,5 |
| **Zuidbout** | 0-3 | algen | 6,7 | 3,7 | 7,7 | 11,7 | 10,3 | 7,0 | 19,7 | 9,3 |
| | | dieren | 20,0 | 20,3 | 26,0 | 26,3 | 26,7 | 14,0 | 19,3 | 11,3 |
| | 3-15 | totaal | 19,5 | 19,8 | 22,3 | 27,0 | 26,3 | 18,5 | 28,8 | 16,5 |
| **Gorishoek** | 0-3 | algen | 10,3 | 12,3 | 11,0 | 12,7 | 10,7 | 10,7 | 16,0 | 13,0 |
| | | dieren | 17,3 | 23,3 | 26,7 | 20,3 | 16,3 | 17,7 | 20,0 | 18,0 |
| | 3-15 | totaal | 19,0 | 17,8 | 24,0 | 28,5 | 33,3 | 31,3 | 31,0 | 18,0 |
| **Wemeldinge** | 0-3 | algen | 13,7 | 13,0 | 13,3 | 12,7 | 10,7 | 13,0 | 19,7 | 15,0 |
| | | dieren | 24,3 | 23,0 | 27,3 | 22,7 | 16,3 | 18,3 | 24,3 | 16,7 |
| | 3-15 | totaal | 24,5 | 19,5 | 26,8 | 25,0 | 26,3 | 27,8 | 27,5 | 22,0 |
| **Schelphoek** | 0-3 | algen | 12,0 | 9,7 | 8,7 | 13,3 | 10,3 | 5,7 | 12,7 | 10,3 |
| | | dieren | 25,0 | 21,3 | 24,6 | 21,0 | 14,0 | 18,0 | 14,0 | 13,7 |
| | 3-15 | totaal | 22,8 | 23,3 | 24,0 | 24,0 | 19,5 | 16,3 | 25,3 | 21,8 |




Figuur 3a. Zijpe. Bedekking van 1979 tot en met 1997 van een zestal soorten op drie dieptes in de periode oktober-november




Figuur 3b. Schelphoek. Bedekking van 1979 tot en met 1997 van een zestal soorten op drie dieptes in de periode oktober-november




Figuur 3c. Zuidbout. Bedekking van 1979 tot en met 1997 van een zestal soorten op drie dieptes in de periode oktober-november

**Bijlage 1. Alfabetische soortenlijst Biomon Delta t/m 1997**

| | Afkorting | Wetenschappelijke naam | Nederlandse naam | Synoniem/verandering |
|---|---|---|---|---|
| | Abie abie | *Abietinaria abietina* | Zeedennetje | |
| c | Ache echi | *Achelia echinata* | zeespin | |
| | Acro sp | *Acrochaetium* sp. | roodwier | |
| | Aell glau | *Aeolidiella glauca* | Kleine vlokslak | |
| | Aeol papi | *Aeolidia papillosa* | Vlokkige zeeslak | |
| | Alcy diap | *Alcyonidium diaphanum* | Doorschijnende zeevinger | *A. gelatinosum* |
| | Alcy myti | *Alcyonidium mytili* | zeevinger | *A. polyoum* |
| | Amph figu | *Amphitrite (Neoamphitrite) figulus* | borstelworm sed. | |
| c | Ampp squa | *Amphipholis squamata* | Levendbarende slangster | |
| | Angn palm | *Anguinella palmata* | Slangencelpoliep | |
| | Angu angu | *Anguilla anguilla* | Paling / Aal | |
| c | Anop peti | *Anoplodactylus petiolatus* | zeespin | |
| | Anti spir | *Antithamnionella spirographidis* | roodwier | *Antithamnion* |
| | Anti te | *A. villosum* & *A. ternifolia* | roodwier | |
| | Anti tern | *Antithamnionella ternifolia* | roodwier | |
| | Anti vill | *Antithamnion villosum* | roodwier | *A. tenuissimum* |
| c | Aora typi | *Aora typica* | vlokreeft | |
| v | Aphi minu | *Aphia minuta* | Glasgrondel | |
| | Apli glab | *Aplidium glabrum* | kol. zakpijp | |
| z | Aren mari | *Arenicola marina* | Wadpier | |
| | Asci aspe | *Ascidiella aspersa* | Ruwe zakpijp | |
| | Aste rube | *Asterias rubens* | Gewone zeester | |
| c | Atha nite | *Athanas nitescens* | garnaal | |
| v | Athe pres | *Atherina presbyter* | Koornaarvis | |
| | Aure auri | *Aurelia aurita* | Oorkwal-scyphistomae | |
| c | Auto prol | *Autolytus prolifer* | borstelworm err. | |
| c | Auto sp | *Autolytus* sp. | borstelworm err. | |
| | Bice cili | *Bicellariella ciliata* | mosdiertje | |
| | Botr schl | *Botryllus schlosseri* | Sterretje | |
| c | Bowe grac | *Bowerbankia gracilis* | mosdiertje | |
| | Bryo sp | *Bryopsis* sp. | Vederwier | *B. plumosa* & *B. hypnoides* |
| | Bucc unda | *Buccinum undatum* | Wulk | |
| | Bugu plum | *Bugula plumosa* | Hoorncelpoliep | |
| c | Cali syr | *Calicella syringa* | Sorbetbekertjes | |
| | Call byss | *Callithamnion byssoides* | roodwier | |
| | Call cory | *Callithamnion corymbosum* | roodwier | |
| | Call rose | *Callithamnion roseum* | Boompjeswier | |
| | Call tetr | *Callithamnion tetragonum* | roodwier | |
| | Calo lyra | *Callionymus lyra* | Pitvis | |
| | Camp anul | Campanulariidae | hydroidpoliepen | *(Obelia dichotoma & O. sp.)* |
| | Canc pagu | *Cancer pagurus* | Noordzeekrab | |
| c | Capr elli | Caprellidae | spookkreeftjes | |
| c | Capr line | *Caprella linearis* | Wandelend geraamte | |
| c | Capr mach | *Caprella macho* | Machospookkreeft | *C. acanthogaster?* |
| | Carc maen | *Carcinus maenas* | Strandkrab | |
| | Cera cimb | *Ceramium cimbricum* | roodwier | |
| | Cera d | *C. diaphanum* & *C. deslongch.* | roodwier | |
| | Cera desl | *Ceramium deslongchampsii* | Hollands hoorntjeswier | |
| | Cera diap | *Ceramium diaphanum* | roodwier | |
| | Cera nodu | *Ceramium nodulosum* | Rood hoorntjeswier | *C. rubrum* |
| z | Cers edul | *Cerastoderma edule* | Kokkel | *Cardium edule* |
| | Chae capi | *Chaetomorpha capillaris* | groenwier | |
| | Chae linu | *Chaetomorpha linum* | Borstelwier/Visdraad | |
| | Chae mela | *Chaetomorpha melagonium* | groenwier | |
| | Chel labr | *Chelon labrosus* | Diklipharder | *Mugil chelo* |
| | Choa dasy | *Chondria dasyphylla* | roodwier | |
| | Chon cris | *Chondrus crispus* | Iers mos | |
| | Chor filu | *Chorda filum* | Veterwier | |
| | Cion inte | *Ciona intestinalis* | Doorzichtige zakpijp | |
| | Cirr iped | Cirripedia | Zeepokken | |
| | Clad rupe | *Cladophora rupestris* | Rotswier / Takwier | |
| | Clad sp | *Cladophora* sp. | groenwier | |
| | Clio cela | *Cliona celata* | Boorspons | |
| v | Clup hare | *Clupea harengus* | Haring | |
| c | Clyt hemi | *Clytia hemisphaerica* | hydroidpoliep | *Phialidium hemisphaericum* |
| | Codi frag | *Codium fragile* | Viltwier | |

| | | | | |
|---|---|---|---|---|
| | Codi frgy | *Codium fragile* (ijle vorm) | Viltwier (ijle vorm) | |
| | Cono reti | *Conopeum reticulum* | mosdiertje | |
| | Cono seur | *Conopeum seurati* | mosdiertje | |
| c | Copi fabr | *Copidognathus fabricii* | Halacaride mijt | |
| c | Coro ache | *Corophium acherusicum* | slijkgarnaal | |
| c | Coro insi | *Corophium insiduosum* | slijkgarnaal | |
| c | Coro sext | *Corophium sextonae* | slijkgarnaal | |
| c | Cory sars | *Coryne sarsii* | hydroidpoliep | |
| z | Cran cran | *Crangon crangon* | Gewone garnaal | |
| | Cras giga | *Crassostrea gigas* | Japanse oester | |
| | Crep forn | *Crepidula fornicata* | Muiltje / Slipper | |
| c | Cryp pall | *Cryptosula pallasiana* | mosdiertje | |
| † | Cyan ophy | Cyanophyceae | blauwwieren | Cyanobacteria |
| | Dass sp | *Dasysiphonia* sp. | roodwier | |
| | Dasy bail | *Dasya baillouviana* | roodwier | |
| c | Dend gros | *Dendrodoa grossularia* | Zeebes | |
| | Denn fron | *Dendronotus frondosus* | Boompjesslak | |
| | Diad cinc | *Diadumene cincta* | Golfbrekeranemoon | |
| | Diad luci | *Diadumene luciae* | Groene golfbrekeranemoon | |
| † | Diat omee | **Bacillariophyceae** | **diatomeeën** | |
| | Dice labr | *Dicentrarchus labrax* | Zeebaars | *Morone/ Roccus* |
| | Dict dich | *Dictyota dichotoma* | Gaffelwier | |
| | Dide macu | *Didemnum maculosum* | Druipzakpijp | |
| | Dipl list | *Diplosoma listerianum* | kol. zakpijp | |
| | Dumo cont | *Dumontia contorta* | roodwier | *D. incrassata* |
| c | Dyna pumi | *Dynamena pumila* | Figuurzaagjes/Klein tandhoornkoraal | |
| | Ecto carp | Ectocarpaceae (sp.) | Ectocarpus-achtigen | |
| | Elec crus | *Electra crustulenta* | Palingbrood | |
| | Elec pilo | *Electra pilosa* | Harige vliescelpoliep | |
| | Elys viri | *Elysia viridis* | Groene wierslak | |
| | Enop buba | *Enophrys bubalis* | Groene zeedonderpad | *Taurulus / Cottus* |
| | Ente sp | Enteromorpha | Darmwier | |
| | Entl aequ | *Entelurus aequoreus* | Adderzeenaald | |
| | Erio sine | *Eriocheir sinensis* | *Chinese wolhandkrab* | |
| | Eude ramo | *Eudendrium ramosum* | Haarpijpje | |
| c | Eumi sang | *Eumida sanguinea* | borstelworm err. | |
| | Face bost | *Facelina bostoniensis* | Brede ringsprietslak | |
| | Fico enig | *Ficopomatus enigmaticus* | Trompetkalkkokerworm | *Mercierella enigmatica* |
| c | Flab affi | *Flabelligera affinis* | borstelworm sed. | |
| | Fucu serr | *Fucus serratus* | Gezaagde zee-eik | |
| | Fucu vesi | *Fucus vesiculosus* | Blaaswier | |
| | Gadu morh | *Gadus morhua* | Kabeljauw | |
| c | Gamm arid | Gammaridea | vlokreeften | Amphipoda |
| † | Gamm koke | kokers Gammaridea | vlokreeftkokers | |
| c | Gamm locu | *Gammarus locusta* | vlokreeft | |
| c | Gamm sp | *Gammarus* sp. | vlokreeft | |
| v | Gast acul | *Gasterosteus aculeatus* | Driedoornige stekelbaars | |
| | Gobi nige | *Gobius niger* | Zwarte grondel | |
| c | Goni cast | *Goniodoris castanea* | Bruine ploislak | |
| | Grac verr | *Gracilaria verrucosa* | Knoopwier of Dundraad | |
| | Grif devo | *Griffithsia devoniensis* | roodwier | |
| c | Hala larv | Halacaride larve | Halacaride mijt | |
| | Hale hale | *Halecium halecinum* | Haringgraat | |
| | Hali bowe | *Halichondria bowerbanki* | Sliertige broodspons | |
| | Hali pani | *Halichondria panicea* | Broodspons | |
| | Hali sp | *Halichondria* sp. | Broodspons | |
| | Hall ocul | *Haliclona oculata* | Geweispons | |
| | Hall xena | *Haliclona xena* | spons | *H. urceolus* |
| c | Harm imbr | *Harmothoe imbricata* | zeerups | |
| c | Harm impa | *Harmothoe impar* | zeerups | Polynoidae |
| c | Harm long | *Harmothoe longisetis* | zeerups | |
| c | Harm lunu | *Harmothoe lunulata* | zeerups | |
| | Hemi lamo | *Hemimysis lamornae* | aasgarnaal | |
| | Hild rubr | *Hildenbrandia rubra* | roodwier | |
| c | Hini reti | *Hinia reticulata* | *Gevlochten fuikhoorn* | *Nassarius reticulatus* |
| | Hipp vari | *Hippolyte varians* | Veranderlijke steurgarnaal | |
| | Homa gamm | *Homarus gammarus* | Europese zeekreeft | |
| | Hyas aran | *Hyas araneus* | Gewone spinkrab | |
| | Hyas coar | *Hyas coarctatus* | Rode spinkrab / Diepwaterspinkrab | |
| | Hydr echi | *Hydractinia echinata* | Ruwe zeerasp | |

| | | | | |
|---|---|---|---|---|
| | Hyme perl | *Hymeniacidon perlevis* | spons | |
| | Hypo hypo | *Hypoglossum hypoglossoides* | Tongwier | *H. woodwardii* |
| | Idot chel | *Idotea chelipes* | Zeeuwse zeepissebed | |
| c | Idot pela | *Idotea pelagica* | zeepissebed | |
| | Inac phal | *Inachus phalangium* | Gladde sponspootkrab | |
| | Jano cris | *Janolus cristatus* | Blauwtipje | *Antiopella cristata* |
| c | Jass herd | *Jassa herdmanii* | marmerkreeftje | |
| c | Jass marm | *Jassa marmorata* | marmerkreeftje | |
| c | Jass sp | *Jassa* sp. | marmerkreeftje | Amphipoda/ J. falcata |
| c | Kefe cirr | *Kefersteinia cirrata* | borstelworm err. | |
| | Kirc pinn | *Kirchenpaueria pinnata* | hydroidpoliep | |
| | Laet diff | *Laethesia difformis* | bruinwier | |
| | Lami sacc | *Laminaria saccharina* | Suikerwier | |
| z | Lani conc | *Lanice conchilega/kokers* | Schelpkokerworm | |
| c | Lepi cine | *Lepidochitona cinereus* | Asgrauwe keverslak | *Lepidopleurus asellus* |
| c | Leps squa | *Lepidonotus squamatus* | zeerups | |
| c | Leuc vari | *Leucosolenia variabilis* | Witte buisjesspons | *L. botryoides* |
| z | Lima lima | *Limanda limanda* | Schar | |
| | Lioc arcu | *Liocarcinus arcuatus* | Gewimperde zwemkrab | *Macropipus/Portunus* |
| | Lioc depu | *Liocarcinus depurator* | Blauwpootzwemkrab | |
| | Lioc hols | *Liocarcinus holsatus* | Gewone zwemkrab | *Macropipus/Portunus* |
| | Litt litt | *Littorina littorea* | Alikruik / Kreukel | |
| | Litt obtu | *Littorina obtusata* | Stompe alikruik | |
| | Lome clav | *Lomentaria clavellosa* | roodwier | |
| | Macr parv | *Macropodia parva* | Kleine hooiwagenkrab | |
| | Macr rost | *Macropodia rostrata* | hooiwagenkrabben | |
| | Macr sp | *Macropodia* sp. | Hooiwagenkrab | |
| | Mast stel | *Mastocarpus stellatus* | Kernwier | *Gigartina stellata* |
| c | Meli palm | *Melita palmata* | vlokreeft | |
| | Metr seni | *Metridium senile* | Zeeanjelier | |
| c | Micr gryl | *Microdeutopus gryllotalpa* | vlokreeft | |
| c | Micr vers | *Microdeutopus versiculatus* | vlokreeft | |
| | Molg manh | *Molgula manhattensis* | Zijker | |
| z | Myaa rena | *Mya arenaria* | Strandgaper | |
| | Myca micr | *Mycale micracanthoxea* | spons | *M. contareni* |
| | Myox scor | *Myoxocephalus scorpius* | Gewone zeedonderpad | |
| | Myti edul | *Mytilus edulis* | Mossel | |
| | Myto leuc | *Mytilopsis leucophaeata* | Brakwatermossel | *Congeria cochleata* |
| | Neco pube | *Necora puber* | Fluwelen zwemkrab | *Liocarc./Macropipus/Portunus* |
| c | Nere dive | *Nereis diversicolor* | Veelkleurige zeeduizendpoot | |
| c | Nere succ | *Nereis succinea* | zeeduizendpoot | |
| c | Nere vire | *Nereis virens* | Zager | |
| | Nuce lapi | *Nucella lapillus* | Purperslak | *Thais* |
| c | Nymp rubr | *Nymphon rubrum* | zeespin | |
| | Onch bila | *Onchidoris bilamellata* | Rosse sterslak / Rose sterslak | *Lamellidoris* |
| | Ophi frag | *Ophiothrix fragilis* | Brokkelster | |
| z | Ophu ophi | *Ophiura ophiura* | Gewone slangster | *O. texturata* |
| | Ostr edul | *Ostrea edulis* | (Platte) Oester | |
| | Pagu bern | *Pagurus bernhardus* | Heremietkreeft | *Eupagurus* |
| | Pala adsp | *Palaemon adspersus* | Roodsprietgarnaal | |
| | Pala eleg | *Palaemon elegans* | Gewone steurgarnaal | |
| | Pala serr | *Palaemon serratus* | Gezaagde steurgarnaal | |
| | Pals vari | *Palaemonetes varians* | Brakwater steurgarnaal | |
| | Pand mont | *Pandalus montagui* | Ringsprietgarnaal | |
| | Peta fasc | *Petalonia fascia* | Dunsteeltje | |
| c | Petr phol | *Petricola pholadiformis* | Boormossel | |
| c | Pher plum | *Pherusa plumosa* | borstelworm sed. | *Stylarioides* |
| c | Phlo minu | *Pholoe minuta* | zeerups | |
| | Phol gunn | *Pholis gunnellus* | Botervis | |
| | Phor hipp | *Phoronis hippocrepia* | Hoefijzerworm | |
| c | Phth mari | *Phthisica marina* | Teringlijdertje | |
| | Phyl pseu | *Phyllophora pseudoceranoides* | roodwier | |
| | Phym leno | *Phymatolithon lenormandii* | kalkkorstwier | *Lithothamnion* |
| | Pilu hirt | *Pilumnus hirtellus* | Ruig krabbetje | |
| c | Pisi long | *Pisidia longicornis* | Porseleinkrabbetje | *Porcellana* |
| c | Plan dume | *Platynereis dumerilii* | borstelworm err. | |
| z | Pleu fles | *Pleuronectes flesus* | Bot | *Platichthys* |
| z | Pleu plat | *Pleuronectes platessa* | Schol | |
| c | Pold cili | *Polydora ciliata.* | Boorworm | |
| c | Pold sp | *Polydora* sp. | borstelworm sed. | |

| | | | | |
|---|---|---|---|---|
| | Poll poll | *Pollachius pollachius* | Pollak | *Gadus* |
| c | Poln oida | Polynoidae | zeerups | |
| | Poly denu | *Polysiphonia denudata* | roodwier | |
| | Poly elon | *Polysiphonia elongata* | Groot buiswier | |
| | Poly fuco | *Polysiphonia fucoides* | Donker buiswier | *P. nigrescens* |
| | Poly harv | *Polysiphonia harveyi* | Paars buiswier | *P. violacea* |
| | Poly ngra | *Polysiphonia nigra* | Rood buiswier | |
| | Poly stri | *Polysiphonia stricta* | Fijn buiswier | *P. urceolata* |
| | Poma micr | *Pomatoschistus microps* | Brakwatergrondel | *Gobius* |
| | Poma minu | *Pomatoschistus minutus* | Dikkopje | *Gobius* |
| | Poma pict | *Pomatoschistus pictus* | Gevlekte grondel | *Gobius* |
| | Poma sp | *Pomatoschistus sp.* | grondels | |
| | Pomc triq | *Pomatoceros triqueter* | Driekantige kalkkokerworm | |
| | Porp umbi | *Porphyra umbilicalis* | Purperwier | |
| | Prau flex | *Praunus flexuosus* | Flexibele aasgarnaal | *Mysidacea* |
| c | Pros epip | *Prosuberites epiphytum* | spons | |
| | Psam mili | *Psammechinus miliaris* | Gewone zeeappel | |
| | Pter plum | *Pterothamnion plumula* | roodwier | *Antithamnion* |
| c | Pycn litt | *Pycnogonum littorale* | Michelin-mannetje | |
| | Rani rani | *Raniceps raninus* | Vorskwab | |
| | Rhit harr | *Rhithropanopeus harrisii* | Zuiderzeekrabbetje | |
| | Sabe pavo | *Sabella pavonina* | Waaierkokerworm/Pauwenstaartworm | *S. penicillus* |
| | Saga trog | *Sagartia troglodytes* | Slibanemoon | |
| | Sago unda | *Sagartiogeton undatus* | Weduweroos | *Actinothoe anguicoma* |
| | Sarg muti | *Sargassum muticum* | Japans bessenwier | |
| | Schi line | *Schizomavella linearis* | mosdiertje | |
| c | Scru scru | *Scrupocellaria scruposa* | mosdiertje | |
| c | Scyp sp | *Scypha* sp. | Zakspons | |
| | Scyt lome | *Scytosiphon lomentaria* | Sausijsjeswier | |
| | Sepi offi | *Sepia officinalis* | Gewone zeekat | |
| | Sert cupr | *Sertularia cupressina* | Zeecypres / Zeemos | |
| c | Smit reti | *Smittoidea reticulata* | mosdiertje | |
| | Spha sp | *Sphacelaria* sp. | bruinwier | |
| | Sphr hook | *Sphaeroma hookeri* | pissebed | |
| c | Stel boa | *Stenelais boa* | zeerups | |
| c | Sten mari | *Stenothoe marina* | vlokreeft | |
| | Stye clav | *Styela clava* | Knotszakpijp / Japanse zakpijp | |
| c | Syll grac | *Syllis gracilis* | borstelworm err. | |
| | Syng acus | *Syngnathus acus* | Grote zeenaald | |
| | Syng rost | *Syngnatus rostellatus* | Kleine zeenaald | |
| c | Tene adsp | *Tenellia adspersa* | Brakwater-knotsslak | |
| c | Tere nava | *Teredo navalis* | Gewone paalworm | |
| | Thor cran | *Thoralus cranchii* | garnaal | |
| | Tris lusc | *Trisopterus luscus* | Steenbolk | |
| | Tubu indi | *Tubularia indivisa* | Pennenschaft | |
| | Tubu lary | *Tubularia larynx* | Gorgelpijp | |
| c | Turb ella | **Turbellaria** | **Platwormen** | |
| c | Typo hyal | *Typosyllis hyalina* | borstelworm err. | |
| | Ulva sp | *Ulva* sp. | Zeesla | |
| | Urti feli | *Urticina felina* | Zeedahlia | *Tealia* |
| c | Vene sene | *Venerupis senegalensis* | Tapijtschelp | |
| | Verr stro | *Verruca stroemia* | Ritspok | |
| | Zoar vivi | *Zoarces viviparus* | Puitaal | |
| z | Zost mari | *Zostera marina* | Groot zeegras | |

| | |
|---|---|
| v | vrijzwemmende vissoort/niet aan hardsubstraat gebonden |
| z | zandsoort |
| c | cryptische soort |
| † | niet consequent opgenomen |

**Bijlage 2. Taxonomische soortenlijst Biomon Delta t/m 1997**

| | Afkorting | Wetenschappelijke naam | Nederlandse naam | Synoniem/verandering |
|---|---|---|---|---|
| | | **Cyanophyceae** | **Blauwwieren** | |
| † | Cyan ophy | Cyanophyceae | blauwwieren | Cyanobacteria |
| | | **Chlorophyta** | **Groenwieren** | |
| | Bryo sp | *Bryopsis* sp. | Vederwier | *B. plumosa & B. hypnoides* |
| | Chae capi | *Chaetomorpha capillaris* | groenwier | |
| | Chae linu | *Chaetomorpha linum* | Borstelwier/Visdraad | |
| | Chae mela | *Chaetomorpha melagonium* | groenwier | |
| | Clad rupe | *Cladophora rupestris* | Rotswier / Takwier | |
| | Clad sp | *Cladophora* sp. | groenwier | |
| | Codi frag | *Codium fragile* | Viltwier | |
| | Codi frgy | *Codium fragile* (ijle vorm) | Viltwier (ijle vorm) | |
| | Ente sp | Enteromorpha | Darmwier | |
| | Ulva sp | *Ulva* sp. | Zeesla | |
| † | Diat omee | **Bacillariophyceae** | **diatomeeën** | |
| | | **Phaeophyceae** | **Bruinwieren** | |
| | Chor filu | *Chorda filum* | Veterwier | |
| | Dict dich | *Dictyota dichotoma* | Gaffelwier | |
| | Ecto carp | Ectocarpaceae (sp.) | Ectocarpus-achtigen | |
| | Fucu serr | *Fucus serratus* | Gezaagde zee-eik | |
| | Fucu vesi | *Fucus vesiculosus* | Blaaswier | |
| | Laet diff | *Laethesia difformis* | bruinwier | |
| | Lami sacc | *Laminaria saccharina* | Suikerwier | |
| | Peta fasc | *Petalonia fascia* | Dunsteeltje | |
| | Sarg muti | *Sargassum muticum* | Japans bessenwier | |
| | Scyt lome | *Scytosiphon lomentaria* | Sausijsjeswier | |
| | Spha sp | *Sphacelaria* sp. | bruinwier | |
| | | **Rhodophyceae** | **Roodwieren** | |
| | Acro sp | *Acrochaetium* sp. | roodwier | |
| | Anti spir | *Antithamnionella spirographidis* | roodwier | *Antithamnion* |
| | Anti tern | *Antithamnionella ternifolia* | roodwier | |
| | Anti vill | *Antithamnion villosum* | roodwier | *A. tenuissimum* |
| | Anti te | *A. villosum* & *A. ternifolia* | roodwier | |
| | Call byss | *Callithamnion byssoides* | roodwier | |
| | Call cory | *Callithamnion corymbosum* | roodwier | |
| | Call rose | *Callithamnion roseum* | Boompjeswier | |
| | Call tetr | *Callithamnion tetragonum* | roodwier | |
| | Cera cimb | *Ceramium cimbricum* | roodwier | |
| | Cera desl | *Ceramium deslongchampsii* | Hollands hoorntjeswier | |
| | Cera diap | *Ceramium diaphanum* | roodwier | |
| | Cera d | *C. diaphanum* & *C. deslongch.* | roodwier | |
| | Cera nodu | *Ceramium nodulosum* | Rood hoorntjeswier | *C. rubrum* |
| | Chon cris | *Chondrus crispus* | Iers mos | |
| | Choa dasy | *Chondria dasyphylla* | roodwier | |
| | Dass sp | *Dasysiphonia* sp. | roodwier | |
| | Dasy bail | *Dasya baillouviana* | roodwier | |
| | Dumo cont | *Dumontia contorta* | roodwier | *D. incrassata* |
| | Grac verr | *Gracilaria verrucosa* | Knoopwier of Dundraad | |
| | Grif devo | *Griffithsia devoniensis* | roodwier | |
| | Hild rubr | *Hildenbrandia rubra* | roodwier | |
| | Hypo hypo | *Hypoglossum hypoglossoides* | Tongwier | *H. woodwardii* |
| | Lome clav | *Lomentaria clavellosa* | roodwier | |
| | Mast stel | *Mastocarpus stellatus* | Kernwier | *Gigartina stellata* |
| | Phyl pseu | *Phyllophora pseudoceranoides* | roodwier | |
| | Phym leno | *Phymatolithon lenormandii* | kalkkorstwier | *Lithothamnion* |
| | Poly denu | *Polysiphonia denudata* | roodwier | |
| | Poly elon | *Polysiphonia elongata* | Groot buiswier | |
| | Poly fuco | *Polysiphonia fucoides* | Donker buiswier | *P. nigrescens* |
| | Poly harv | *Polysiphonia harveyi* | Paars buiswier | *P. violacea* |
| | Poly ngra | *Polysiphonia nigra* | Rood buiswier | |
| | Poly stri | *Polysiphonia stricta* | Fijn buiswier | *P. urceolata* |
| | Porp umbi | *Porphyra umbilicalis* | Purperwier | |
| | Pter plum | *Pterothamnion plumula* | roodwier | *Antithamnion* |

**Bijlage 2. Taxonomische soortenlijst Biomon Delta t/m 1997**

| | Afkorting | Wetenschappelijke naam | Nederlandse naam | Synoniem/verandering |
|---|---|---|---|---|
| | | **Angiospermae** | **Bedektzadigen** | |
| z | Zost mari | *Zostera marina* | Groot zeegras | |
| | | **Porifera** | **Sponzen** | |
| | Clio cela | *Cliona celata* | Boorspons | |
| | Hali bowe | *Halichondria bowerbanki* | Sliertige broodspons | |
| | Hali pani | *Halichondria panicea* | Broodspons | |
| | Hali sp | *Halichondria* sp. | Broodspons | |
| | Hali ocul | *Haliclona oculata* | Geweispons | |
| | Hali xena | *Haliclona xena* | spons | *H. urceolus* |
| | Hyme perl | *Hymeniacidon perlevis* | spons | |
| c | Leuc vari | *Leucosolenia variabilis* | Witte buisjesspons | *L. botryoides* |
| | Myca micr | *Mycale micracanthoxea* | spons | *M. contareni* |
| c | Pros epip | *Prosuberites epiphytum* | spons | |
| c | Scyp sp | *Scypha* sp. | Zakspons | |
| | | **Cnidaria** | **Neteldieren** | |
| | Abie able | *Abietinaria abietina* | Zeedennetje | |
| | Aure auri | *Aurelia aurita* | Oorkwal-scyphistomae | |
| c | Cali syr | *Calicella syringa* | Sorbetbekertjes | |
| | Camp anul | Campanulariidae | hydroidpoliepen | *(Obelia dichotoma & O. sp.)* |
| c | Clyt hemi | *Clytia hemisphaerica* | hydroidpoliep | *Phialidium hemisphaericum* |
| c | Cory sars | *Coryne sarsii* | hydroidpoliep | |
| | Diad cinc | *Diadumene cincta* | Golfbrekeranemoon | |
| | Diad luci | *Diadumene luciae* | Groene golfbrekeranemoon | |
| c | Dyna pumi | *Dynamena pumila* | Figuurzaagjes/Klein tandhoornkoraal | |
| | Eude ramo | *Eudendrium ramosum* | Haarpijpje | |
| | Hale hale | *Halecium halecinum* | Haringgraat | |
| | Hydr echi | *Hydractinia echinata* | Ruwe zeerasp | |
| | Kirc pinn | *Kirchenpauerla pinnata* | hydroidpoliep | |
| | Metr seni | *Metridium senile* | Zeeanjelier | |
| | Saga trog | *Sagartia troglodytes* | Slibanemoon | |
| | Sago unda | *Sagartiogeton undatus* | Weduweroos | *Actinothoe anguicoma* |
| | Sert cupr | *Sertularia cupressina* | Zeecypres / Zeemos | |
| | Tubu indi | *Tubularia indivisa* | Pennenschaft | |
| | Tubu lary | *Tubularia larynx* | Gorgelpijp | |
| | Urti feli | *Urticina felina* | Zeedahlia | *Tealia* |
| | | **Polychaeta** | **Borstelwormen** | |
| | Amph figu | *Amphitrite (Neoamphitrite) figulus* | borstelworm sed. | |
| z | Aren mari | *Arenicola marina* | Wadpier | |
| c | Auto prol | *Autolytus prolifer* | borstelworm err. | |
| c | Auto sp | *Autolytus* sp. | borstelworm err. | |
| c | Eumi sang | *Eumida sanguinea* | borstelworm err. | |
| | Fico enig | *Ficopomatus enigmaticus* | Trompetkalkkokerworm | *Mercierella enigmatica* |
| c | Flab affi | *Flabelligera affinis* | borstelworm sed. | |
| c | Harm imbr | *Harmothoe imbricata* | zeerups | |
| c | Harm impa | *Harmothoe impar* | zeerups | Polynoidae |
| c | Harm long | *Harmothoe longisetis* | zeerups | |
| c | Harm lunu | *Harmothoe lunulata* | zeerups | |
| c | Kefe cirr | *Kefersteinia cirrata* | borstelworm err. | |
| z | Lani conc | *Lanice conchilega/kokers* | Schelpkokerworm | |
| c | Leps squa | *Lepidonotus squamatus* | zeerups | |
| c | Nere dive | *Nereis diversicolor* | Veelkleurige zeeduizendpoot | |
| c | Nere succ | *Nereis succinea* | zeeduizendpoot | |
| c | Nere vire | *Nereis virens* | Zager | |
| c | Pher plum | *Pherusa plumosa* | borstelworm sed. | *Stylarioides* |
| c | Plan dume | *Platynereis dumerilii* | borstelworm err. | |
| c | Phlo minu | *Pholoe minuta* | zeerups | |
| c | Pold cili | *Polydora ciliata.* | Boorworm | |
| c | Pold sp | *Polydora* sp. | borstelworm sed. | |
| c | Poln oida | Polynoidae | zeerups | |
| | Pomc triq | *Pomatoceros triqueter* | Driekantige kalkkokerworm | |
| | Sabe pavo | *Sabella pavonina* | Waaierkokerworm/Pauwenstaartworm | *S. penicillus* |
| c | Stel boa | *Stenelais boa* | zeerups | |
| c | Syll grac | *Syllis gracilis* | borstelworm err. | |
| c | Typo hyal | *Typosyllis hyalina* | borstelworm err. | |

**Bijlage 2. Taxonomische soortenlijst Biomon Delta t/m 1997**

| | Afkorting | Wetenschappelijke naam | Nederlandse naam | Synoniem/verandering |
|---|---|---|---|---|
| c | Turb ella | **Turbellaria** | **Platwormen** | |
| | | **Mollusca** | **Weekdieren** | |
| | Aeli glau | *Aeolidiella glauca* | Kleine vlokslak | |
| | Aeol papi | *Aeolidia papillosa* | Vlokkige zeeslak | |
| | Bucc unda | *Buccinum undatum* | Wulk | |
| z | Cers edul | *Cerastoderma edule* | Kokkel | *Cardium edule* |
| | Cras giga | *Crassostrea gigas* | Japanse oester | |
| | Crep forn | *Crepidula fornicata* | Muiltje / Slipper | |
| | Denn fron | *Dendronotus frondosus* | Boompjesslak | |
| | Elys viri | *Elysia viridis* | Groene wierslak | |
| | Face bost | *Facelina bostoniensis* | Brede ringsprietslak | |
| c | Goni cast | *Goniodoris castanea* | Bruine plooislak | |
| c | Hini reti | *Hinia reticulata* | Gevlochten fuikhoorn | *Nassarius reticulatus* |
| | Jano cris | *Janolus cristatus* | Blauwtipje | *Antiopella cristata* |
| c | Lepi cine | *Lepidochitona cinereus* | Asgrauwe keverslak | *Lepidopleurus asellus* |
| | Litt litt | *Littorina littorea* | Alikruik / Kreukel | |
| | Litt obtu | *Littorina obtusata* | Stompe alikruik | |
| z | Myaa rena | *Mya arenaria* | Strandgaper | |
| | Myti edul | *Mytilus edulis* | Mossel | |
| | Myto leuc | *Mytilopsis leucophaeata* | Brakwatermossel | *Congeria cochleata* |
| | Nuce lapi | *Nucella lapillus* | Purperslak | *Thais* |
| | Onch bila | *Onchidoris bilamellata* | Rosse sterslak / Rose sterslak | *Lamellidoris* |
| | Ostr edul | *Ostrea edulis* | (Platte) Oester | |
| c | Petr phol | *Petricola pholadiformis* | Boormossel | |
| | Sepi offi | *Sepia officinalis* | Gewone zeekat | |
| c | Tene adsp | *Tenellia adspersa* | Brakwater-knotsslak | |
| c | Tere nava | *Teredo navalis* | Gewone paalworm | |
| c | Vene sene | *Venerupis senegalensis* | Tapijtschelp | |
| | | **Crustacea** | **Kreeftachtigen** | |
| c | Aora typi | *Aora typica* | vlokreeft | |
| c | Atha nite | *Athanas nitescens* | garnaal | |
| | Canc pagu | *Cancer pagurus* | Noordzeekrab | |
| c | Capr elli | Caprellidae | spookkreeftjes | |
| c | Capr line | *Caprella linearis* | Wandelend geraamte | |
| c | Capr mach | *Caprella macho* | Machospookkreeft | *C. acanthogaster?* |
| | Carc maen | *Carcinus maenas* | Strandkrab | |
| | Cirr iped | Cirripedia | Zeepokken | |
| c | Coro ache | *Corophium acherusicum* | slijkgarnaal | |
| c | Coro insi | *Corophium insiduosum* | slijkgarnaal | |
| c | Coro sext | *Corophium sextonae* | slijkgarnaal | |
| z | Cran cran | *Crangon crangon* | Gewone garnaal | |
| | Erio sine | *Eriocheir sinensis* | Chinese wolhandkrab | |
| c | Gamm arid | Gammaridea | vlokreeften | Amphipoda |
| † | Gamm koke | kokers Gammaridea | vlokreeftkokers | |
| c | Gamm sp | *Gammarus* sp. | vlokreeft | |
| c | Gamm locu | *Gammarus locusta* | vlokreeft | |
| | Hemi lamo | *Hemimysis lamornae* | aasgarnaal | |
| | Hipp vari | *Hippolyte varians* | Veranderlijke steurgarnaal | |
| | Homa gamm | *Homarus gammarus* | Europese zeekreeft | |
| | Hyas aran | *Hyas araneus* | Gewone spinkrab | |
| | Hyas coar | *Hyas coarctatus* | Rode spinkrab / Diepwaterspinkrab | |
| | Idot chel | *Idotea chelipes* | Zeeuwse zeepissebed | |
| c | Idot pela | *Idotea pelagica* | zeepissebed | |
| | Inac phal | *Inachus phalangium* | Gladde sponspootkrab | |
| c | Jass sp | *Jassa* sp. | marmerkreeftje | Amphipoda/ J. falcata |
| c | Jass herd | *Jassa herdmanii* | marmerkreeftje | |
| c | Jass marm | *Jassa marmorata* | marmerkreeftje | |
| | Lioc arcu | *Liocarcinus arcuatus* | Gewimperde zwemkrab | *Macropipus/Portunus* |
| | Lioc depu | *Liocarcinus depurator* | Blauwpootzwemkrab | |
| | Lioc hols | *Liocarcinus holsatus* | Gewone zwemkrab | *Macropipus/Portunus* |
| | Macr parv | *Macropodia parva* | Kleine hooiwagenkrab | |
| | Macr rost | *Macropodia rostrata* | hooiwagenkrabben | |
| | Macr sp | *Macropodia* sp. | Hooiwagenkrab | |
| c | Meli palm | *Melita palmata* | vlokreeft | |
| c | Micr gryl | *Microdeutopus gryllotalpa* | vlokreeft | |

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| | Afkorting | Wetenschappelijke naam | Nederlandse naam | Synoniem/verandering |
|---|---|---|---|---|
| c | Micr vers | *Microdeutopus versiculatus* | vlokreeft | |
| | Neco pube | *Necora puber* | Fluwelen zwemkrab | *Liocarc./Macropipus/Portunus* |
| | Pagu bern | *Pagurus bernhardus* | Heremietkreeft | *Eupagurus* |
| | Pala adsp | *Palaemon adspersus* | Roodsprietgarnaal | |
| | Pala eleg | *Palaemon elegans* | Gewone steurgarnaal | |
| | Pala serr | *Palaemon serratus* | Gezaagde steurgarnaal | |
| | Pals vari | *Palaemonetes varians* | Brakwater steurgarnaal | |
| | Pand mont | *Pandalus montagui* | Ringsprietgarnaal | |
| c | Phth mari | *Phthisica marina* | Teringlijdertje | |
| | Pilu hirt | *Pilumnus hirtellus* | Ruig krabbetje | |
| c | Pisi long | *Pisidia longicornis* | Porseleinkrabbetje | *Porcellana* |
| | Prau flex | *Praunus flexuosus* | Flexibele aasgarnaal | *Mysidacea* |
| | Rhit harr | *Rhithropanopeus harrisii* | Zuiderzeekrabbetje | |
| | Sphr hook | *Sphaeroma hookeri* | pissebed | |
| c | Sten mari | *Stenothoe marina* | vlokreeft | |
| | Thor cran | *Thoralus cranchii* | garnaal | |
| | Verr stro | *Verruca stroemia* | Ritspok | |
| | | **Pycnogonida** | **Zeespinnen** | |
| c | Ache echi | *Achelia echinata* | zeespin | |
| c | Anop peti | *Anoplodactylus petiolatus* | zeespin | |
| c | Nymp rubr | *Nymphon rubrum* | zeespin | |
| c | Pycn litt | *Pycnogonum littorale* | Michelin-mannetje | |
| | | **Acari** | **Mijten en Teken** | |
| c | Copi fabr | *Copidognathus fabricii* | Halacaride mijt | |
| c | Hala larv | Halacaride larve | Halacaride mijt | |
| | | **Phoronida** | | |
| | Phor hipp | *Phoronis hippocrepia* | Hoefijzerworm | |
| | | **Bryozoa** | **Mosdiertjes** | |
| | Alcy diap | *Alcyonidium diaphanum* | Doorschijnende zeevinger | *A. gelatinosum* |
| | Alcy myti | *Alcyonidium mytili* | zeevinger | *A. polyoum* |
| | Angn palm | *Anguinella palmata* | Slangencelpoliep | |
| | Bice cili | *Bicellariella ciliata* | mosdiertje | |
| c | Bowe grac | *Bowerbankia gracilis* | mosdiertje | |
| | Bugu plum | *Bugula plumosa* | Hoorncelpoliep | |
| | Cono reti | *Conopeum reticulum* | mosdiertje | |
| | Cono seur | *Conopeum seurati* | mosdiertje | |
| c | Cryp pall | *Cryptosula pallasiana* | mosdiertje | |
| | Elec crus | *Electra crustulenta* | Palingbrood | |
| | Elec pilo | *Electra pilosa* | Harige vliescelpoliep | |
| | Schi line | *Schizomavella linearis* | mosdiertje | |
| c | Scru scru | *Scrupocellaria scruposa* | mosdiertje | |
| c | Smit reti | *Smittoidea reticulata* | mosdiertje | |
| | | **Echinodermata** | **Stekelhuidigen** | |
| c | Ampp squa | *Amphipholis squamata* | Levendbarende slangster | |
| | Aste rube | *Asterias rubens* | Gewone zeester | |
| | Ophi frag | *Ophiothrix fragilis* | Brokkelster | |
| z | Ophu ophi | *Ophiura ophiura* | Gewone slangster | *O. texturata* |
| | Psam mili | *Psammechinus miliaris* | Gewone zeeappel | |
| | | **Ascidiacea** | **Zakpijpen** | |
| | Apli glab | *Aplidium glabrum* | kol. zakpijp | |
| | Asci aspe | *Ascidiella aspersa* | Ruwe zakpijp | |
| | Botr schl | *Botryllus schlosseri* | Sterretje | |
| | Cion inte | *Ciona intestinalis* | Doorzichtige zakpijp | |
| c | Dend gros | *Dendrodoa grossularia* | Zeebes | |
| | Dide macu | *Didemnum maculosum* | Druipzakpijp | |
| | Dipl list | *Diplosoma listerianum* | kol. zakpijp | |
| | Molg manh | *Molgula manhattensis* | Zijker | |
| | Stye clav | *Styela clava* | Knotszakpijp / Japanse zakpijp | |

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| | Afkorting | Wetenschappelijke naam | Nederlandse naam | Synoniem/verandering |
|---|---|---|---|---|
| | | **Teleostomi** | **Beenvissen** | |
| | Angu angu | *Anguilla anguilla* | Paling / Aal | |
| v | Aphi minu | *Aphia minuta* | Glasgrondel | |
| v | Athe pres | *Atherina presbyter* | Koornaarvis | |
| | Calo lyra | *Callionymus lyra* | Pitvis | |
| | Chel labr | *Chelon labrosus* | Diklipharder | *Mugil chelo* |
| v | Clup hare | *Clupea harengus* | Haring | |
| | Dice labr | *Dicentrarchus labrax* | Zeebaars | *Morone/ Roccus* |
| | Enop buba | *Enophrys bubalis* | Groene zeedonderpad | *Taurulus / Cottus* |
| | Entl aequ | *Entelurus aequoreus* | Adderzeenaald | |
| | Gadu morh | *Gadus morhua* | Kabeljauw | |
| v | Gast acul | *Gasterosteus aculeatus* | Driedoornige stekelbaars | |
| | Gobi nige | *Gobius niger* | Zwarte grondel | |
| z | Lima lima | *Limanda limanda* | Schar | |
| | Myox scor | *Myoxocephalus scorpius* | Gewone zeedonderpad | |
| | Phol gunn | *Pholis gunnellus* | Botervis | |
| z | Pleu fles | *Pleuronectes flesus* | Bot | *Platichthys* |
| z | Pleu plat | *Pleuronectes platessa* | Schol | |
| | Poll poll | *Pollachius pollachius* | Pollak | *Gadus* |
| | Poma micr | *Pomatoschistus microps* | Brakwatergrondel | *Gobius* |
| | Poma minu | *Pomatoschistus minutus* | Dikkopje | *Gobius* |
| | Poma pict | *Pomatoschistus pictus* | Gevlekte grondel | *Gobius* |
| | Poma sp | *Pomatoschistus sp.* | grondels | |
| | Rani rani | *Raniceps raninus* | Vorskwab | |
| | Syng acus | *Syngnathus acus* | Grote zeenaald | |
| | Syng rost | *Syngnatus rostellatus* | Kleine zeenaald | |
| | Tris lusc | *Trisopterus luscus* | Steenbolk | |
| | Zoar vivi | *Zoarces viviparus* | Puitaal | |

Legenda:

de volgende soorten zijn niet opgenomen in de TWINSPAN bewerkingen

v vrijzwemmende vissoort/niet aan hardsubstraat gebonden
z zandsoort
c cryptische soort
† niet consequent opgenomen

samengevoegd tot geslachtsniveau t.b.v. TWINSPAN
Blj Veerse Meer samengevoegd tot geslachtsniveau t.b.v. TWINSPAN