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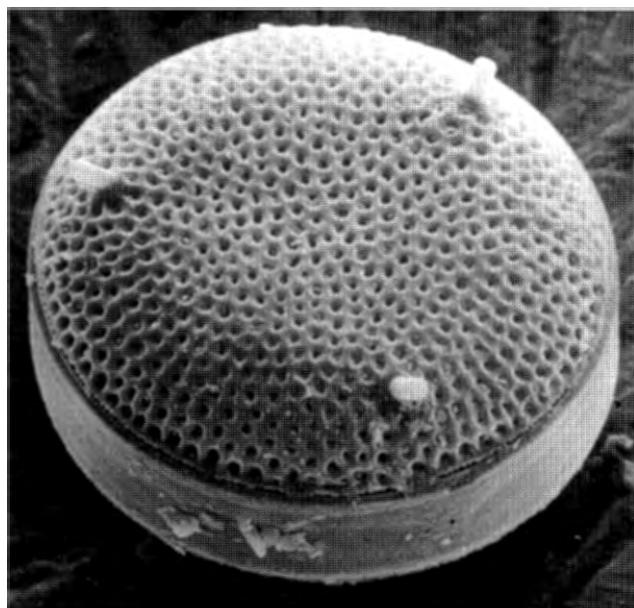


MINISTERIE VAN ECONOMISCHE ZAKEN

# A CHECK-LIST OF THE DIATOMS IN THE HOLOCENE DEPOSITS OF THE WESTERN BELGIAN COASTAL PLAIN WITH A SURVEY OF THEIR APPARENT ECOLOGICAL REQUIREMENTS

## I. Introduction, ecological code and complete list

by  
Luc DENYS



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# 1. INTRODUCTION

## 1.1. General

This is the first part in a series of reports dealing with the diatom taxa recorded in Holocene deposits from the western Belgian coastal plain. The check-list, comprising 980 entries, was based on the analysis of some 800 samples taken mainly from cores and also from some outcrops throughout the area. Details on the provenance, stratigraphical and palaeoecological context of the samples and the methodology used will be given elsewhere. The recent diatom flora of the area is not considered here. Reworked diatoms derived from older deposits are however included.

For data on the diatom flora of the Holocene deposits in adjacent regions and of older Quaternary strata in the study area, reference is made to Beyens (1978) and Vanhoorne & Denys (1987) (the Holsteinian-Cromerian Herzele Formation in Northern France), Nijs (1979) (Holocene deposits in Northern France), Clarysse (1974) and Denys (1985) (Eemian deposits from the eastern Belgian coastal plain), Deby (1876) (Holocene sediments from that area), Denys & Verbruggen (1989) (Subboreal deposits from the Belgian Lower Schelde Estuary) and finally Denys et al. (1983) (including some presumably Eemian deposits in the western coastal plain).

For ease of use all entries are ordered alphabetically in the complete list concluding this part. In forthcoming parts the taxa are treated individually. For each taxon one or more illustrations in readily available publications are referred to in order to avoid taxonomic ambiguities as much as possible. When necessary, recently proposed nomenclatural changes at generic level and the most commonly used synonyms are given as well.

The taxonomy is kept reasonably conservative with exception of some already more widely accepted alterations. The lists of Hartley (1986) and Williams et al. (1988) and the new 'Süsswasserflora' (Krammer & Lange-Bertalot, 1986, 1988) served as the main guides in this respect.

The major part of the work consists of a literature survey of the ecological requirements attributed to the taxa, followed by my personal appreciation of the most apparent ones in the form of a numerical code, also included in the complete list.

Besides the present volume, the check-list is planned to consist of the following parts:

- II. Centrales
- III. Araphidineae
- IV. Eunotiaceae and Achnanthaceae
- V. Naviculaceae: *Navicula*
- VI. Naviculaceae excl. *Navicula*
- VII. Epithemiaceae, Nitzschiaeae and Surirellaceae

Moreover, a list with the full taxonomic names and the ecological codes in ASCII format can be requested from the author (include 5,25" PC diskette and return postage).

## **1.2. Ecological information**

This compilation resulted from a practical need to gather information on the autecology of a large number of diatoms for palaeoecological use. Unfortunately, such information could not be obtained by an actuo-ecological study in the area. Even if the opportunity to carry out such an extensive study had existed, it is doubtful that its results would have been entirely satisfactory in this respect. The actual rectilinear and sandy Flemish coast offers but little similarity to the palaeosetting and fails to reflect the diversity of environments once present. Undoubtedly many of the taxa occurring in the Holocene deposits simply would not have been noted in recent material. For the time being reliance has to be made on published observations, largely from abroad.

Several complications are inherent to this approach. Not only are there hardly any data available from the literature for certain taxa, but taxonomic concepts have changed considerably throughout the years, species were mis-identified at times, different ecotypes of a morphotaxon may exist and so on. I attempted to achieve a more or less reliable estimate of the ecological range of the taxa by including as many and as varied sources as possible and by checking taxonomic concepts by means of illustrations. With the above in mind, some three hundred selected references were searched for useful information.

An unsolved problem arises from the observation that ecological differences may exist between morphologically identical strains from the same species with a different geographic origin. In recent years such differences were also noted between sympatric, sexually incompatible forms of what morphologically appear to be single species. The minor morphological differences which, in the best case, may accompany such ecological divergencies cannot be appreciated from the literature. As diatom palaeoecology depends completely on frustular morphology this will however lead to a loss of indicative value for certain taxa, rather than to faulty interpretations. Besides these complications other phenomena, not linked to the diatoms themselves, may bring about geographical distinctions, which again is only very rarely obvious from the literature. Despite this it was found necessary not to limit this work to the coverage of a single geographic area, in this case NW-Europe, but to include works from all over the world. In case of considerable divergence on the assumed ecology, the European literature was in general given priority.

Only source references published after 1925 and containing (apparently) original information were used; those simply copying other publications were excluded. Primarily, only papers on recent diatoms were consulted. An exception was made for those of certain authors, who mainly published studies on fossil diatoms in which they incorporated their considerable and otherwise inaccessible actuo-ecological knowledge.

The statements taken from authors were kept, except for the language, as close to the original form as possible. A certain standardization was nevertheless necessary and nuances may have been lost this way. Some terminological differences with little use in palaeoecological practice were also weeded out. To reduce the length of the text abbreviations were used. These are explained in Appendix 1. Although part of the information was derived from tables and figures, textual remarks were preferred when available. It was of course not possible to reproduce all the information given in the original publications. The users of this compilation are therefore strongly advised to consult the sources themselves for as much as possible, both for more detail and for the original context.

The ecological information is presented in separate paragraphs, covering lifeform, salinity (incl. euryhalinity), conductivity, pH, calcium, trophic conditions, saprobity, oxygen requirement, tolerance to tides, current, temperature, light, geographical distribution (only for marine-littoral taxa) and a general (not exhaustive) appreciation of the main biotopes.

Finally, before explaining the structure of the code, it should be emphasized that the codes are merely personal, subjective interpretations prone to bias. For a short discussion on the limitations of such codes we refer to remarks made previously (Denys & Lodewijckx, 1985). A set of computer programs for the processing of (stratigraphical) diatom data on the basis of the codes will be available in the near future (Lodewijckx & Denys, in preparation).

## 2. THE ECOLOGICAL CODE

In the assignment of this code, not all sources received equal weight in judging a taxon's ecology; depending on the amount of material examined and the methodology used, some were considered more important than others. For instance studies using merely presence-absence data were given less weight than those based on (relative) abundance measurements.

Although I attempted to filter out 'misleading' and erroneous statements as much as possible, it is quite likely that some were nevertheless retained; among others because there was no control on the taxonomic concepts of authors who did not refer to published illustrations or identification manuals, nor provided original drawings or photographs. Even the presence of illustrations often does not allow a complete appreciation of this. It is only to be hoped that the effect of such errors on the summary of the data, represented by the ecological code, was leveled-off by the extent of the data set.

The code consists of 15 subsequent numbers of two digits at the most, each referring to the place of the taxon in a certain classification. The numbers 0 and 1 are always reserved for the entries 'unknown' and 'irrelevant' respectively. In the following paragraphs each classification is listed and commented upon where necessary.

### 1. Lifeform

entries:	0 unknown
	2 euplanktonic
	3 tychoplanktonic, epontic origin
	4 tychoplanktonic, benthic origin
	5 tychoplanktonic, both epontic and benthic origin
	6 epontic
	7 epontic and benthic
	8 benthic

**Tychoplanktonic** (incl. meroplanktonic, facultative planktonic, semi-planktonic) diatoms readily occur in the plankton but are derived primarily from other habitats. Often they may metabolize and reproduce in the plankton just as well as in their original situation. **Epontic** (sessile) refers to taxa that normally live firmly attached to any kind of substratum (macrophytes, rocks, sand grains,...). Sometimes the use of the term is restricted to sea-ice algae (Bunt & Wood, 1963; Horner et al., 1988), but it is applied in its more general meaning also (Crosby & Wood, 1959; Van der Werff & Huls, 1957-1974; Wood, 1964). The difference between epontic and **benthic** diatoms depends on the adhesion to the substrate which is much less strong here. We used the term in a more limited sense than many other authors, who group all non-planktonic forms under this name. Whereas benthic covers periphytic, epipelagic and interstitial diatoms, the generally firmly attached epipsammic taxa were considered as epontic.

The distinction between the different categories is not always straightforward as they intergrade and the character of many diatoms is not clear-cut.

## **2. Salinity classification according to the system of Van der Werff (Van der Werff, 1958; Van der Werff & Huls, 1957-1974)**

- entries:
- 0 unknown
  - 2 marine, M
  - 3 marine to marine-brackish, M-MB
  - 4 marine-brackish, MB
  - 5 marine-brackish to brackish-marine, MB-BM
  - 6 brackish-marine, BM
  - 7 brackish-marine to brackish, BM-B
  - 8 brackish, B
  - 9 brackish to brackish-fresh, B-BF
  - 10 brackish-fresh, BF
  - 11 brackish-fresh to fresh-brackish, BF-FB
  - 12 fresh-brackish, FB
  - 13 fresh-brackish to fresh, FB-F
  - 14 fresh, F

In order to provide the possibility for a somewhat wider optimum than in the original 6-grouped system, options spanning two classes were provided<sup>1</sup>. Even then some taxa are hard to classify because of their apparently broad optima.

## **3. Halobion system following Hustedt (1957)**

- entries:
- 0 unknown
  - 2 polyhalobous
  - 3 polyhalobous to α-mesohalobous
  - 4 polyhalobous to β-mesohalobous
  - 5 mesohalobous euryhaline
  - 6 α-mesohalobous
  - 7 β-mesohalobous
  - 8 α-mesohalobous to oligohalobous halophilous
  - 9 β-mesohalobous to oligohalobous halophilous
  - 10 α-mesohalobous to oligohalobous indifferent
  - 11 β-mesohalobous to oligohalobous indifferent
  - 12 oligohalobous halophilous
  - 13 oligohalobous halophilous to indifferent
  - 14 oligohalobous indifferent
  - 15 oligohalobous indifferent to halophobous
  - 16 oligohalobous halophobous

This classification was derived from Kolbe's halobion system (Kolbe, 1927).

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<sup>1</sup> This procedure was followed in many of the following classifications as well.

#### **4. The halobion system according to Hustedt (1953)**

- entries:
- 0 unknown
  - 2 polyhalobous
  - 3 polyhalobous to mesohalobous
  - 4 mesohalobous
  - 5 mesohalobous to oligohalobous halophilous
  - 6 mesohalobous to oligohalobous indifferent
  - 7 oligohalobous halophilous
  - 8 oligohalobous halophilous to indifferent
  - 9 oligohalobous indifferent
  - 10 oligohalobous indifferent to halophobous
  - 11 oligohalobous halophobous

Identical to the previous classification but no distinctions are made within the mesohalobous diatoms, which allows easier placement of a number of taxa. Retained here because of its greater popularity than the refined 1957 version.

#### **5. The salinity tolerance classification according to Simonsen (1962)**

- entries:
- 0 unknown
  - 2 polyhalobous oligoeuryhaline
  - 3 polyhalobous meioeuryhaline
  - 4 polyhalobous mesoeuryhaline
  - 5 polyhalobous pleioeuryhaline
  - 6 mesohalobous euryhaline
  - 7 mesohalobous holoeuryhaline
  - 8 oligohalobous oligoeuryhaline
  - 9 oligohalobous meioeuryhaline
  - 10 oligohalobous mesoeuryhaline
  - 11 oligohalobous pleioeuryhaline
  - 12 oligohalobous halophobous

#### **6. Euryhalinity**

- entries:
- 0 unknown
  - 2 markedly euryhaline
  - 3 somewhat euryhaline
  - 4 stenohaline

#### **7. The pH classification according to Hustedt (1939)**

- entries:
- 0 unknown
  - 1 irrelevant<sup>2</sup>
  - 2 alkalibiotic

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<sup>2</sup> The entry irrelevant is used for all diatoms placed in the salinity categories B-BM to M (codes 2-7) of the Van der Werff halobion system.

- 3 alkalibiotic to alkaliphilous
- 4 alkaliphilous (=basiphilous)
- 5 alkaliphilous to circumneutral
- 6 circumneutral (= neutrophilous)
- 7 circumneutral to acidophilous
- 8 acidophilous
- 9 acidophilous to acidobiotic
- 10 acidobiotic
- 11 indifferent (= no apparent optimum)

Originally the term indifferent was used for diatoms with a distribution 'gleichmässig um pH=7' (Hustedt, 1939, p. 284). Some authors replaced indifferent by circumneutral. Here both categories are retained: **circumneutral** to indicate an optimum at or close to pH 7 and **indifferent** for taxa with no clear optimum throughout the pH spectrum.

## 8. Trophic conditions (Naumann, 1932)

- entries:
- 0 unknown
  - 1 irrelevant
  - 2 eutrophic
  - 3 eutrophic to mesotrophic
  - 4 mesotrophic
  - 5 mesotrophic to oligotrophic
  - 6 oligotrophic
  - 7 oligotrophic to dystrophic
  - 8 eutrophic to oligotrophic
  - 9 eutrophic to dystrophic

Irrelevant is used as in 7.; this does not imply a denial of the influence of trophic conditions on the distribution of marine diatoms.

## 9. Nitrogen uptake metabolism (Cholnoky, 1968)

- entries:
- 0 unknown
  - 1 irrelevant
  - 2 obligate N (C) heterotrophic
  - 3 at least facultative N (C) heterotrophic
  - 4 probably N (C) heterotrophic
  - 5 N (C) autotrophic

According to Cholnoky (1968) some diatoms would be N heterotrophic and capable of deaminating organic compounds. This was put in doubt by other authors. According to Lange-Bertalot (1978) the arguments used by Cholnoky are inadequate and not supported by further observations. Instead a carbon heterotrophy could be involved (Krammer & Lange-Bertalot, 1986; Lange-Bertalot, 1978). This classification was retained here, more because of its ecological usefulness than for its physiological significance. Again the entry irrelevant is given to all salt water taxa.

## 10. Saprobity (Kolkwitz & Marsson, 1908)

- entries:      0 unknown

- 1 irrelevant
- 2 up to polysaprobic
- 3 up to  $\alpha$ -mesosaprobic
- 4 up to  $\alpha$ -mesosaprobic
- 5 up to  $\alpha$ - $\beta$ -mesosaprobic
- 6 up to  $\beta$ -mesosaprobic
- 7 up to  $\beta$ -mesosaprobic/oligosaprobic
- 8 up to oligosaprobic
- 9 saproxenous

We retained Lange-Bertalot's (1978, 1979) concept of pollution tolerance in this classification. Irrelevant is used as in the previous classification.

## **11. Oxygen requirement (Cholnoky, 1968)**

- entries:
- 0 unknown
  - 1 irrelevant
  - 2 high
  - 3 moderate
  - 4 low

Irrelevant is used as previously.

## **12. Tolerance to intertidal exposure (Simonsen, 1962)**

- entries:
- 0 unknown
  - 1 irrelevant
  - 2 pseudampotiphilous
  - 3 probably pseudampotiphilous
  - 4 indifferent s.s.
  - 5 probably ampotixenous
  - 6 ampotixenous

Irrelevant is used for diatoms classified in the salinity categories F, FB, BF, BF-B and intermediates (codes 9-14) in the Van der Werff halobion system, as well as for all euplanktonic forms.

## **13. Habitat**

- entries:
- 0 unknown
  - 2 aquatic
  - 3 also commonly in periodic water or wet subaerial
  - 4 also commonly moist subaerial
  - 5 also commonly dry subaerial

Marine intertidal diatoms are considered as aquatic.

## **14. Current**

- entries:      0 unknown

- 1 irrelevant
- 2 rheobiontic
- 3 rheophilous
- 4 indifferent
- 5 limnophilous

There appears to be no ground to include a limnobiontic entry. Irrelevant is used for diatoms placed in the salinity categories B-BM, BM, MB, M and intermediates (codes 2-7) in the Van der Werff halobion system.

## 15. Preservation potential

- entries:
- 2 large
  - 3 moderate
  - 4 low
  - 5 very low

This is a rough appreciation based on the degree of silicification of the frustule and personal observations on the fossil preservation state.

## 3. ALPHABETICAL LIST AND ECOLOGICAL CODES

<i>Achnanthes amoena</i> Hust.	6	5	5	4	6	2	1	1	1	1	1	4	2	1	3	
<i>Achnanthes bahusiensis</i> (Grun.) Lange-Bertalot	7	7	5	4	4	2	1	1	1	1	1	4	2	1	4	
<i>Achnanthes bioreti</i> Germain	7	14	14	9	9	4	6	5	5	6	2	1	4	3	3	
<i>Achnanthes bremeyeri</i> Lange-Bertalot	7	6	5	4	6	2	1	1	1	1	1	4	2	1	4	
<i>Achnanthes brevipes</i> Ag.	6	7	5	4	7	2	1	1	1	1	1	1	3	2	1	2
<i>Achnanthes brevipes</i> var. <i>intermedia</i> (Kütz.) Cl.	6	7	5	4	6	2	1	1	1	1	1	1	3	2	1	3
<i>Achnanthes clevei</i> Grun.	6	12	14	9	10	3	4	3	5	6	0	1	3	4	3	
<i>Achnanthes clevei</i> var. <i>rostrata</i> Hust.	6	12	14	9	10	3	4	3	5	6	0	1	3	4	3	
<i>Achnanthes coarctata</i> (Bréb.) Grun.	6	13	14	9	9	4	6	9	5	8	2	1	5	4	3	
<i>Achnanthes conspicua</i> Mayer	6	12	14	9	9	4	4	5	5	8	0	1	3	4	3	
<i>Achnanthes delicatula</i> (Kütz.) Grun. subsp. <i>delicatula</i>	6	8	5	4	7	2	4	2	5	0	0	4	3	4	3	
<i>Achnanthes didyma</i> Hust.	6	14	16	11	12	4	8	6	5	0	0	1	2	0	4	
<i>Achnanthes exigua</i> Grun.	6	12	14	9	10	3	4	2	5	6	2	1	3	4	3	
<i>Achnanthes groenlandica</i> (Cl.) Grun.	6	4	2	2	3	3	1	1	1	1	1	0	2	1	3	
<i>Achnanthes groenlandica</i> var. <i>phinneyi</i> McIntire & Reimer	6	4	2	2	3	3	1	1	1	1	1	0	2	1	3	

<i>Achnanthes groenlandica</i>	var.	<i>phinneyi</i>	f.	<i>jaydei</i>	McIntire & Reimer
6	4	2	2	3	1 0 2 1 3
<i>Achnanthes hungarica</i>	Grun.				
6	12	14	9	9	4 4 2 5 4
<i>Achnanthes inflata</i>	(Kütz.)	Grun.			0 1 3 4 3
6	12	14	9	10	3 4 0 5 9
<i>Achnanthes journacense</i>	Hérib.				2 1 4 3 3
6	12	14	9	9	4 4 5 5 0
<i>Achnanthes kolbei</i>	Hust.				2 1 2 4 3
6	12	14	9	9	4 4 0 5 9
<i>Achnanthes krasskei</i>	Kobayasi & Sawatari				0 1 3 0 3
6	13	15	10	9	4 5 0 5 9
<i>Achnanthes kryophila</i>	Petersen				2 1 4 0 4
6	13	14	9	9	4 7 6 5 9
<i>Achnanthes lanceolata</i>	(Bréb.)	Grun.			2 1 4 4 3
6	12	14	9	11	2 4 3 5 4
<i>Achnanthes lanceolata</i>	var.	<i>bimaculata</i>	Hust.		0 1 2 0 3
6	12	14	9	0	0 4 0 5 0
<i>Achnanthes lanceolata</i>	var.	<i>rostrata</i>	Hust.		2 1 4 4 3
6	12	14	9	0	0 4 0 5 0
<i>Achnanthes laterostrata</i>	Hust.				0 1 3 4 3
6	12	14	9	9	4 6 0 5 9
<i>Achnanthes lauenburgiana</i>	Hust.				0 1 2 0 3
6	14	16	11	12	4 4 0 5 0
<i>Achnanthes lemmermannii</i>	Hust.				0 1 2 0 3
6	12	14	9	9	4 7 0 5 9
<i>Achnanthes lilljeborgii</i>	Grun.				1 0 2 1 3
6	3	2	2	3	3 1 1 1 1
<i>Achnanthes linkei</i>	Hust.				1 6 2 1 2
6	8	5	4	6	2 4 2 5 0
<i>Achnanthes longipes</i>	Ag.				0 0 3 1 3
6	4	2	2	3	2 1 1 1 1
<i>Achnanthes lutheri</i>	Hust.				0 1 3 0 3
6	14	16	11	12	4 8 0 5 9
<i>Achnanthes manifera</i>	Brun				1 4 2 1 3
6	3	2	2	3	3 1 1 1 1
<i>Achnanthes marginulata</i>	Grun.				0 1 4 0 3
6	14	16	11	12	4 7 6 5 9
<i>Achnanthes marginestriata</i>	Simonsen				1 0 2 1 4
6	3	2	2	3	2 1 1 1 1
<i>Achnanthes minutissima</i>	Kütz.				2 1 5 4 4
6	12	14	9	10	2 6 9 5 6
<i>Achnanthes parvula</i>	(Kütz.)	C1.			0 3 3 1 3
6	8	5	4	7	2 4 2 5 0
<i>Achnanthes ploenensis</i>	Hust.				0 1 2 0 3
6	12	14	9	9	4 4 2 5 9
<i>Achnanthes pseudogroenlandica</i>	Hendey				1 0 2 1 3
6	0	2	2	0	0 1 1 1 1
<i>Achnanthes pusilla</i>	Grun.				2 1 3 0 4
6	12	14	9	0	0 6 0 5 0
<i>Achnanthes sancti-paulii</i>	(Heiden & Kolbe)	Kobayasi & Sawatari			1 0 2 1 3
6	0	2	2	0	0 1 1 1 1
<i>Achnanthes semiaperta</i>	Hust.				0 1 2 0 3
6	12	14	9	0	0 0 0 5 0
<i>Achnanthes submarina</i>	Hust.				0 0 2 0 4
6	0	0	4	0	0 0 0 0 0
<i>Achnanthes suchlandtii</i>	Hust.				0 1 2 0 3
6	13	14	9	9	4 6 6 5 0
<i>Achnanthes taeniata</i>	Grun.				1 1 2 1 5
2	7	4	3	6	2 1 1 1 1
<i>Achnanthes tenera</i>	Hust.				1 0 2 1 4
6	6	5	4	0	2 1 1 1 1
<i>Actinocyclus cholnokyi</i>	Van Landingham				1 1 2 1 3
2	2	2	2	4	2 1 1 1 1

<i>Actinocyclus kuetzingii</i> (A. Schmidt) Simonsen	4	2	3	3	5	2	1	1	1	1	1	0	2	1	2
<i>Actinocyclus normanii</i> (Greg.) Hust. f. <i>subsalsus</i> (Juhlin-Dannfelt) Hust.	2	8	9	5	11	2	4	2	5	0	0	1	2	0	3
<i>Actinocyclus octonarius</i> Ehr.	4	3	4	3	4	2	1	1	1	1	1	0	2	1	2
<i>Actinocyclus octonarius</i> var. <i>crassus</i> (W. Sm.) Hendey	4	3	4	3	4	2	1	1	1	1	1	0	2	1	2
<i>Actinocyclus octonarius</i> var. <i>tenellus</i> (Bréb.) Hendey	4	3	4	3	4	2	1	1	1	1	1	0	2	1	3
<i>Actinocyclus subtilis</i> (Greg.) Ralfs	2	4	3	3	0	2	1	1	1	1	1	1	2	1	3
<i>Actinoptychus senarius</i> (Ehr.) Ehr.	3	4	3	3	3	2	1	1	1	1	1	4	2	1	3
<i>Actinoptychus splendens</i> (Shadb.) Ralfs	3	2	2	2	3	3	1	1	1	1	1	4	2	1	2
<i>Amphipleura pellucida</i> (Kütz.) Kütz.	7	12	14	9	9	4	4	3	5	6	0	1	2	5	4
<i>Amphora acuta</i> Greg.	6	3	2	2	3	3	1	1	1	1	1	6	2	1	3
<i>Amphora angusta</i> Greg.	6	4	3	3	5	2	1	1	1	1	1	4	2	1	3
<i>Amphora arenaria</i> Donk.	6	2	2	2	3	2	1	1	1	1	1	0	2	1	3
<i>Amphora arenicola</i> Grun.	8	0	2	2	0	2	1	1	1	1	1	0	2	1	3
<i>Amphora bacillaris</i> Greg.	8	3	3	3	3	2	1	1	1	1	1	0	2	1	3
<i>Amphora beaufortiana</i> Hust.	8	4	2	2	3	2	1	1	1	1	1	0	2	1	3
<i>Amphora bigibba</i> Grun.	7	2	2	2	3	2	1	1	1	1	1	0	2	1	3
<i>Amphora cingulata</i> Cl.	8	2	2	2	3	2	1	1	1	1	1	0	2	1	3
<i>Amphora coffeaeformis</i> (Ag.) Kütz.	7	8	5	4	7	2	4	2	5	4	3	4	3	4	3
<i>Amphora coffeaeformis</i> var. <i>acutiuscula</i> (Kütz.) Hust.	7	4	3	3	5	2	1	1	1	1	1	4	2	1	3
<i>Amphora commutata</i> Grun.	7	8	7	4	7	2	4	2	5	0	0	0	3	0	2
<i>Amphora copulata</i> (Kütz.) Schoeman & Archibald	7	12	14	9	10	2	4	2	5	5	3	1	3	4	3
<i>Amphora delicatissima</i> Krasske	7	6	5	4	6	2	1	1	1	1	1	0	2	1	4
<i>Amphora dubia</i> Greg.	8	3	2	2	3	2	1	1	1	1	1	0	2	1	3
<i>Amphora exigua</i> Greg.	7	4	3	3	5	2	1	1	1	1	1	4	2	1	3
<i>Amphora graeffeana</i> Hendey	8	4	3	3	4	2	1	1	1	1	1	4	2	1	3
<i>Amphora granulata</i> Greg.	7	4	4	3	5	2	1	1	1	1	1	4	2	1	3
<i>Amphora holsatica</i> Hust.	8	8	5	4	7	2	2	2	5	0	0	0	3	0	3
<i>Amphora hybrida</i> Grun.	8	5	5	4	7	2	1	1	1	1	1	0	2	1	3
<i>Amphora laevis</i> Greg. var. <i>laevissima</i> (Greg.) Cl.	8	2	2	2	3	2	1	1	1	1	1	4	2	1	4
<i>Amphora lineolata</i> Ehr.	8	6	6	4	6	2	1	1	1	1	1	4	2	1	3
<i>Amphora macilenta</i> Greg.	7	2	2	2	4	2	1	1	1	1	1	0	2	1	3
<i>Amphora marina</i> W. Sm.	7	5	3	3	5	2	1	1	1	1	1	4	2	1	3

<b>Amphora marina</b> var. <b>minima</b> Cl.	7 5 3 3 5	2 1 1 1 1	1 4 2 1 3
<b>Amphora mexicana</b> A. Schmidt var. <b>major</b> (Cl.) A. Cl.	7 0 4 3 0	2 1 1 1 1	1 0 2 1 2
<b>Amphora montana</b> Krasske	7 12 14 9 9	4 4 0 5 9	2 1 5 3 4
<b>Amphora normanii</b> Rabenh.	7 12 14 9 9	4 4 3 5 8	2 1 4 4 3
<b>Amphora ostrearia</b> Bréb.	7 2 2 2 3	2 1 1 1 1	1 4 2 1 3
<b>Amphora ostrearia</b> var. <b>vitrea</b> Cl.	7 2 2 2 3	2 1 1 1 1	1 4 2 1 3
<b>Amphora ovalis</b> (Kütz.) Kütz.	7 12 14 9 10	2 4 2 5 5	3 1 3 4 2
<b>Amphora pediculus</b> (Kütz.) Grun.	7 12 14 9 10	2 4 3 5 4	2 1 3 4 3
<b>Amphora proteoides</b> Hust.	7 0 3 3 3	2 1 1 1 1	1 0 2 1 2
<b>Amphora proteus</b> Greg.	7 5 3 3 5	2 1 1 1 1	1 4 2 1 2
<b>Amphora proteus</b> var. <b>oculata</b> H. & M. Perag.	7 5 3 3 5	2 1 1 1 1	1 4 2 1 2
<b>Amphora robusta</b> Greg.	7 4 2 2 3	2 1 1 1 1	1 4 2 1 2
<b>Amphora staurophora</b> (Castr.) Cl.	8 0 2 2 0	2 1 1 1 1	1 0 2 1 4
<b>Amphora subacutiuscula</b> Schoeman	7 0 0 0 0	0 0 0 0 0	0 0 2 0 3
<b>Amphora subcapitata</b> (Kisselev) Hust.	7 0 0 0 0	0 0 0 0 0	0 1 2 0 3
<b>Amphora tenerrima</b> Aleem & Hust.	7 7 5 4 7	2 1 1 1 1	1 4 2 1 3
<b>Amphora tenuissima</b> Hust.	7 3 3 3 3	2 1 1 1 1	1 0 2 1 4
<b>Amphora terroris</b> Ehr.	7 2 2 2 3	2 1 1 1 1	1 4 2 1 2
<b>Amphora turgida</b> Greg.	7 4 3 3 0	2 1 1 1 1	1 0 2 1 3
<b>Amphora veneta</b> Kütz.	7 10 13 8 8	2 4 2 5 2	3 1 3 4 3
<b>Amphora ventricosa</b> Greg.	6 2 2 2 3	3 1 1 1 1	1 0 2 1 3
<b>Amphora wisei</b> (Salah) Simonsen	7 4 3 3 3	2 1 1 1 1	1 4 2 1 3
<b>Anaulus balticus</b> Simonsen	8 4 2 2 3	2 1 1 1 1	1 4 2 1 4
<b>Anaulus creticus</b> Drebes & Schulz	2 2 2 2 0	0 1 1 1 1	1 1 2 1 4
<b>Anomoeoneis exellii</b> Salah	8 0 2 2 0	0 1 1 1 1	1 0 2 1 3
<b>Anomoeoneis sphaerophora</b> (Ehr.) Pfitzer	8 10 12 7 8	2 4 2 5 4	0 1 3 4 3
<b>Anomoeoneis sphaerophora</b> f. <b>costata</b> (Kütz.) Schmid	8 9 8 5 7	2 4 2 5 0	0 1 3 4 3
<b>Anomoeoneis sphaerophora</b> f. <b>sculpta</b> (Ehr.) Krammer	8 9 7 4 7	2 2 2 5 4	0 1 3 0 2
<b>Anorthoneis eurystoma</b> Hust.	6 3 2 2 3	0 1 1 1 1	1 4 2 1 3
<b>Anorthoneis excentrica</b> (Donk.) Grun.	6 2 2 2 3	2 1 1 1 1	1 4 2 1 3
<b>Anorthoneis hyalina</b> Hust.	6 2 2 2 2	4 1 1 1 1	1 0 2 1 2
<b>Anorthoneis pulex</b> Sterrenburg	6 0 2 2 0	0 1 1 1 1	1 0 2 1 4

<b>Anorthoneis vortex</b>	Sterrenburg	6 0 2 2 0	0 1 1 1 1	1 0 2 1 4
<b>Asterionella formosa</b>	Hassal	2 11 14 9 9	4 5 3 5 6	3 1 2 5 4
<b>Aulacodiscus argus</b>	(Ehr.) A. Schmidt	3 2 2 2 3	3 1 1 1 1	1 0 2 1 2
<b>Aulacoseira ambigua</b>	(Grun.) Simonsen	2 12 14 9 9	3 5 2 5 6	3 1 2 4 3
<b>Aulacoseira distans</b>	(Ehr.) Simonsen	4 14 15 10 9	4 7 7 5 8	3 1 3 4 3
<b>Aulacoseira granulata</b>	(Ehr.) Simonsen	2 12 14 9 9	3 4 2 5 6	0 1 2 4 3
<b>Aulacoseira granulata</b>	var. <b>angustissima</b> (Müll.) Simonsen	2 12 14 9 9	3 4 2 5 6	0 1 2 4 3
<b>Aulacoseira granulata</b>	var. <b>muzzazensis</b> (Meister) Simonsen	2 12 14 9 9	4 3 2 5 0	0 1 2 4 3
<b>Aulacoseira islandica</b>	(Müll.) Simonsen + subsp. <b>helvetica</b> (Müll.) Simonsen	2 13 14 9 9	4 4 10 5 6	3 1 2 4 3
<b>Aulacoseira italicica</b>	(Ehr.) Simonsen	4 12 14 9 9	4 5 10 5 6	3 1 3 4 3
<b>Aulacoseira italicica</b>	var. <b>tenuissima</b> (Grun.) Simonsen	4 12 14 9 9	4 5 0 5 6	0 1 3 4 3
<b>Aulacoseira italicica</b>	var. <b>valida</b> (Grun.) Simonsen	4 12 14 9 9	4 5 5 5 0	0 1 3 4 3
<b>Auliscus sculptus</b>	(W. Sm.) Ralfs	3 2 2 2 3	3 1 1 1 1	1 4 2 1 2
<b>Bacillaria paxillifer</b>	(Müll.) Hendey	3 9 5 4 7	2 5 2 5 6	4 1 3 4 3
<b>Berkeleya micans</b>	(Lyngb.) Grun.	6 2 2 2 3	3 1 1 1 1	1 6 2 1 4
<b>Berkeleya rutilans</b>	(Trent.) Grun.	7 7 5 4 7	2 1 1 1 1	1 4 2 1 4
<b>Berkeleya scopulorum</b>	(Bréb.) Cox	6 2 2 2 3	2 1 1 1 1	1 4 2 1 3
<b>Biddulphia alternans</b>	(Bail.) V.H.	3 2 2 2 4	3 1 1 1 1	1 4 2 1 2
<b>Biddulphia reticulata</b>	Roper	3 2 2 2 0	3 1 1 1 1	1 0 2 1 2
<b>Biddulphia reticulum</b>	(Ehr.) Boyer	3 2 2 2 3	3 1 1 1 1	1 0 2 1 2
<b>Biddulphia rostrata</b>	Hust.	5 5 3 3 0	2 1 1 1 1	1 0 2 1 3
<b>Biddulphia subaequa</b>	(Kütz.) Ralfs	4 6 3 3 4	2 1 1 1 1	1 0 2 1 2
<b>Brachysira microcephala</b>	(Grun.) Compère	8 13 14 9 9	4 5 5 5 6	0 1 3 4 4
<b>Brachysira serians</b>	(Bréb.) Round & Mann	8 14 16 11 12	4 8 7 5 8	0 1 3 4 2
<b>Brockmanniella brockmannii</b>	(Hust.) Hasle, von Stosch & Syvertsen	4 2 2 2 3	4 1 1 1 1	1 4 2 1 4
<b>Caloneis aemula</b>	(A. Schmidt) Cl.	8 7 5 4 6	2 1 1 1 1	1 0 2 1 3
<b>Caloneis amphisbaena</b>	(Bory) Cl.	8 10 12 7 10	3 4 2 5 4	0 1 3 4 3
<b>Caloneis amphisbaena</b>	var. <b>aequata</b> Kolbe	8 8 7 4 10	3 2 2 5 0	0 0 3 0 3
<b>Caloneis amphisbaena</b>	f. <b>subsalina</b> (Donk.) Van der Werff & Huls	8 8 7 4 11	2 4 2 5 0	0 4 3 0 3
<b>Caloneis bacillum</b>	(Grun.) Cl.	8 12 14 9 8	2 4 9 5 6	0 1 4 4 3
<b>Caloneis bacillum</b>	var. <b>fontinalis</b> Grun.	8 12 14 9 9	4 4 0 5 0	0 1 4 3 3
<b>Caloneis brevis</b>	(Greg.) Cl.	8 4 2 2 4	2 1 1 1 1	1 4 2 1 3

<i>Caloneis fusioides</i> (Grun.) Heiden & Kolbe	8 4 2 2 3	3 1 1 1 1	1 0 2 1 3
<i>Caloneis leptosoma</i> (Grun.) Krammer	8 14 15 10 12	4 11 6 5 9	2 1 4 0 3
<i>Caloneis liber</i> (W. Sm.) Cl.	8 3 2 2 3	3 1 1 1 1	1 5 2 1 3
<i>Caloneis limosa</i> (Kütz.) Patr.	8 12 14 9 10	3 4 6 5 6	0 1 2 5 3
<i>Caloneis permagna</i> (Bail.) Cl.	8 9 7 4 0	3 4 2 5 0	0 0 3 0 2
<i>Caloneis tenuis</i> (Greg.) Krammer	8 13 15 10 9	4 6 6 5 8	0 1 4 4 3
<i>Caloneis truncata</i> König	8 0 3 3 0	2 1 1 1 1	1 0 2 1 3
<i>Caloneis ventricosa</i> (Ehr.) Meister	8 12 14 9 9	4 5 3 5 6	0 1 3 4 3
<i>Caloneis ventricosa</i> var. <i>truncatula</i> (Grun.) Meister	8 12 14 9 9	4 5 3 5 6	0 1 3 4 3
<i>Caloneis westii</i> (W. Sm.) Hendey	8 8 5 4 7	2 4 2 5 0	0 4 3 1 3
<i>Campylodiscus biangulatus</i> Grev. var. <i>lorenzianus</i> (Grun.) H. & M. Perag.	8 3 2 2 3	2 1 1 1 1	1 0 2 1 3
<i>Campylodiscus bicostatus</i> W. Sm.	8 8 7 4 6	2 2 2 5 0	0 1 3 0 2
<i>Campylodiscus clypeus</i> (Ehr.) Ehr.	8 8 7 4 6	2 2 2 5 6	0 1 3 0 2
<i>Campylodiscus decorus</i> Bréb.	8 0 2 2 0	2 1 1 1 1	1 0 2 1 3
<i>Campylodiscus echeneis</i> Ehr.	8 7 5 4 6	2 1 1 1 1	1 4 2 1 2
<i>Campylodiscus fastuosus</i> Ehr.	8 3 2 2 3	2 1 1 1 1	1 6 2 1 3
<i>Campylodiscus hibernicus</i> Ehr.	8 12 14 9 9	4 4 2 5 8	0 1 3 5 2
<i>Campylodiscus noricus</i> Ehr.	8 12 14 9 9	4 4 9 5 8	0 1 2 4 2
<i>Campylodiscus ralfsii</i> W. Sm.	8 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Campyloneis grevillei</i> (W. Sm.) Grun.	6 2 2 2 2	4 1 1 1 1	1 5 2 1 2
<i>Campyloneis grevillei</i> var. <i>regalis</i> (Grev.) Cl.	6 2 2 2 2	4 1 1 1 1	1 5 2 1 2
<i>Campylosira cymbelliformis</i> (A. Schmidt) Grun.	4 2 2 2 4	2 1 1 1 1	1 4 2 1 3
<i>Catenula adhaerans</i> (Mereschk.) Mereschk.	6 6 5 4 6	2 1 1 1 1	1 4 2 1 4
<i>Cerataulus radiatus</i> (Roper) Ross	3 2 2 2 3	3 1 1 1 1	1 4 2 1 2
<i>Cerataulus turgidus</i> (Ehr.) Ehr.	3 2 2 2 3	3 1 1 1 1	1 6 2 1 2
<i>Cocconeis britannica</i> Naeg.	6 3 2 2 3	3 1 1 1 1	1 4 2 1 3
<i>Cocconeis clandestina</i> A. Schmidt	6 3 2 2 4	2 1 1 1 1	1 6 2 1 3
<i>Cocconeis costata</i> Greg.	6 0 2 2 4	2 1 1 1 1	1 4 2 1 3
<i>Cocconeis debesi</i> Hust.	6 0 2 2 0	0 1 1 1 1	1 0 2 1 2
<i>Cocconeis diminuta</i> Pant.	7 12 14 9 10	3 4 9 5 6	0 1 2 4 3
<i>Cocconeis disculoides</i> Hust.	6 2 2 2 3	3 1 1 1 1	1 4 2 1 3
<i>Cocconeis disculus</i> (Schum.) Cl.	7 12 14 9 11	2 4 3 5 6	0 1 2 4 3

<i>Cocconeis distans</i> Greg.	6 2 2 2 3	2 1 1 1 1	1 6 2 1 3
<i>Cocconeis distans</i> var. <i>bahusiensis</i> Cl.-E.	6 2 2 2 3	2 1 1 1 1	1 0 2 1 3
<i>Cocconeis fluminensis</i> (Grun.) H. & M. Perag.	6 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Cocconeis guttata</i> Hust. & Aleem	6 0 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Cocconeis hoffmannii</i> Simonsen	6 0 2 2 3	3 1 1 1 1	1 0 2 1 3
<i>Cocconeis molesta</i> Kütz.	6 3 2 2 3	2 1 1 1 1	1 6 2 1 4
<i>Cocconeis nidulus</i> Edsbagge	6 0 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Cocconeis pediculus</i> Ehr.	6 10 13 10 10	3 4 2 5 5	2 1 3 4 3
<i>Cocconeis pelta</i> A. Schmidt	6 2 2 2 2	4 1 1 1 1	1 5 2 1 3
<i>Cocconeis peltoides</i> Hust.	6 4 2 2 4	2 1 1 1 1	1 4 2 1 3
<i>Cocconeis pinnata</i> Greg.	6 2 2 2 3	3 1 1 1 1	1 6 2 1 3
<i>Cocconeis placentula</i> Ehr. + var. <i>euglypta</i> (Ehr.) Grun. + var. <i>lineata</i> (Ehr.) V.H.	6 12 14 9 8	2 4 3 5 5	0 1 3 4 3
<i>Cocconeis placentula</i> var. <i>klinoraphis</i> Geitler	6 12 14 9 0	0 4 3 5 5	0 1 3 4 3
<i>Cocconeis pseudograta</i> Hust.	6 0 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Cocconeis quarnerensis</i> Grun.	6 3 2 2 3	3 1 1 1 1	1 6 2 1 3
<i>Cocconeis scutellum</i> Ehr.	6 5 4 3 5	2 1 1 1 1	1 4 2 1 3
<i>Cocconeis scutellum</i> var. <i>minutissima</i> Grun.	6 5 4 3 5	2 1 1 1 1	1 4 2 1 4
<i>Cocconeis scutellum</i> var. <i>ornata</i> Grun.	6 5 4 3 5	2 1 1 1 1	1 4 2 1 3
<i>Cocconeis scutellum</i> var. <i>parva</i> Grun.	6 5 4 3 5	2 1 1 1 1	1 4 2 1 3
<i>Cocconeis speciosa</i> Greg.	6 0 2 2 0	0 1 1 1 1	1 0 2 1 2
<i>Cocconeis stauroneiformis</i> (W. Sm.) Okuno	6 4 2 2 4	2 1 1 1 1	1 4 2 1 3
<i>Cocconeis tenuis</i> Hust.	6 4 2 2 0	0 1 1 1 1	1 0 2 1 4
<i>Cocconeis thumensis</i> Mayer	6 13 15 10 9	4 4 0 5 9	0 1 2 4 3
<i>Coscinodiscus apiculatus</i> Ehr. var. <i>ambiguus</i> Grun.	2 2 2 2 3	3 1 1 1 1	1 1 2 1 3
<i>Coscinodiscus argus</i> Ehr.	4 2 2 2 3	3 1 1 1 1	1 0 2 1 2
<i>Coscinodiscus asteromphalus</i> Ehr.	4 2 2 2 3	3 1 1 1 1	1 0 2 1 3
<i>Coscinodiscus centralis</i> Ehr.	2 2 2 2 3	3 1 1 1 1	1 1 2 1 3
<i>Coscinodiscus curvatulus</i> Grun.	4 2 2 2 2	4 1 1 1 1	1 0 2 1 3
<i>Coscinodiscus decrescens</i> Grun.	2 2 2 2 0	4 1 1 1 1	1 1 2 1 2
<i>Coscinodiscus fimbriatus</i> Ehr.	2 2 2 2 0	0 1 1 1 1	1 1 2 1 3
<i>Coscinodiscus granii</i> Gough	2 2 2 2 3	3 1 1 1 1	1 1 2 1 3
<i>Coscinodiscus granulosus</i> Grun.	3 3 2 2 5	2 1 1 1 1	1 5 2 1 3

<i>Coscinodiscus marginatus</i> Ehr.	2 2 2 2 0	3 1 1 1 1	1 1 2 1 2
<i>Coscinodiscus obscurus</i> A. Schmidt	2 2 2 2 2	4 1 1 1 1	1 1 2 1 2
<i>Coscinodiscus oculus-iridis</i> Ehr.	4 2 2 2 5	2 1 1 1 1	1 0 2 1 2
<i>Coscinodiscus perforatus</i> Ehr.	2 2 2 2 3	3 1 1 1 1	1 1 2 1 2
<i>Coscinodiscus perforatus</i> var. <i>cellulosus</i> Grun.	2 2 2 2 3	3 1 1 1 1	1 1 2 1 2
<i>Coscinodiscus perforatus</i> var. <i>pavillardii</i> (Forti) Hust.	2 2 2 2 3	3 1 1 1 1	1 1 2 1 2
<i>Coscinodiscus radiatus</i> Ehr.	4 3 3 3 5	2 1 1 1 1	1 0 2 1 2
<i>Coscinodiscus rothii</i> (Ehr.) Grun.	2 8 4 3 5	2 1 1 1 1	1 1 2 1 3
<i>Cyclostephanos dubius</i> (Fricke) Round	2 10 12 7 9	3 4 2 5 4	0 1 2 5 3
<i>Cyclotella atomus</i> Hust.	2 11 12 7 10	2 6 0 5 0	3 1 2 4 4
<i>Cyclotella caspia</i> Grun.	2 8 6 4 5	2 1 1 1 1	1 1 2 1 3
<i>Cyclotella iris</i> Brun & Hérib.	4 0 11 6 0	3 4 0 5 0	0 1 2 4 3
<i>Cyclotella kuetzingiana</i> Thwaites ( <i>C. krammeri</i> Häkansson)	4 13 14 9 9	4 4 9 5 6	0 1 2 4 3
<i>Cyclotella kuetzingiana</i> var. <i>planetophora</i> Fricke	4 13 14 9 11	3 4 0 5 0	0 1 2 4 3
<i>Cyclotella meneghiniana</i> Kütz.	4 10 9 5 7	2 4 2 3 4	3 1 3 4 3
<i>Cyclotella ocellata</i> Pant.	4 14 14 9 0	0 4 6 5 0	0 1 2 4 3
<i>Cyclotella radiososa</i> (Grun.) Lemmerman	2 12 14 9 9	3 4 10 5 6	0 1 2 4 3
<i>Cyclotella stelligera</i> (Cl. & Grun.) V. H.	4 12 14 9 9	3 6 9 5 9	0 1 2 4 3
<i>Cyclotella stelligera</i> var. <i>pseudostelligera</i> (Hust.) Haworth & Hurley	4 11 14 9 0	2 6 2 5 6	3 1 2 4 4
<i>Cyclotella striata</i> (Kütz.) Grun. + var. <i>ambigua</i> (Grun.) Grun.	4 8 7 4 7	2 4 0 5 0	3 4 3 4 3
<i>Cyclotella striata</i> var. <i>bipunctata</i> Fricke	4 8 7 4 7	2 4 0 5 0	3 4 2 4 3
<i>Cyclotella striata</i> var. <i>subsalina</i> Grun.	4 8 7 4 7	2 4 0 5 0	3 4 2 4 3
<i>Cyclotella stylorum</i> Brightw.	2 5 3 3 0	2 1 1 1 1	1 0 2 1 3
<i>Cymatopleura elliptica</i> (Bréb.) W. Sm.	8 12 14 9 10	3 4 2 5 6	0 1 2 4 2
<i>Cymatopleura elliptica</i> var. <i>hibernica</i> (W. Sm.) V.H.	8 12 14 9 10	3 4 2 5 0	0 1 2 4 2
<i>Cymatopleura librile</i> (Ehr.) Pant.	8 12 14 9 10	3 4 2 5 4	3 1 2 4 3
<i>Cymatosira belgica</i> Grun.	4 2 2 2 3	3 1 1 1 1	1 4 2 1 3
<i>Cymbella affinis</i> Kütz.	6 13 14 9 9	4 4 2 5 6	0 1 3 4 3
<i>Cymbella amphicephala</i> Naeg.	6 13 14 9 9	4 6 6 5 6	2 1 3 4 3
<i>Cymbella amphicephala</i> var. <i>hercynica</i> (A. Schmidt) Cl.	6 12 14 9 9	4 4 0 5 0	2 1 2 0 3
<i>Cymbella aspera</i> (Ehr.) H. Perag.	6 12 14 9 10	3 4 2 5 6	2 1 3 4 2
<i>Cymbella caespitosa</i> (Kütz.) Brun	7 12 14 9 0	3 4 9 5 3	0 1 2 0 3

<i>Cymbella cistula</i> (Ehr.) Kirchner	6 12 14 9 9	3 4 3 5 6	2 1 3 4 2
<i>Cymbella cuspidata</i> Kütz.	6 12 14 9 9	4 5 4 5 8	0 1 2 4 2
<i>Cymbella cymbiformis</i> Ag.	6 13 14 9 9	4 4 5 5 6	2 1 2 5 2
<i>Cymbella delicatula</i> Kütz.	6 13 14 9 9	4 5 6 5 9	0 1 3 0 3
<i>Cymbella ehrenbergii</i> Kütz.	6 12 14 9 9	4 4 9 5 6	0 1 2 5 2
<i>Cymbella elginensis</i> Krammer	7 12 14 9 9	4 0 5 5 0	2 1 2 0 3
<i>Cymbella gracilis</i> (Ehr.) Kütz.	7 14 16 11 12	4 7 6 5 8	2 1 3 4 3
<i>Cymbella helvetica</i> Kütz.	6 12 14 9 9	4 4 3 5 6	0 1 2 5 2
<i>Cymbella lanceolata</i> (Ehr.) Kirchner	6 12 14 9 10	3 4 3 5 6	0 1 2 5 2
<i>Cymbella leptoceros</i> (Ehr.) Kütz.	6 14 14 9 9	4 4 5 5 9	0 1 4 5 3
<i>Cymbella microcephala</i> Grun.	6 13 14 9 11	2 4 9 5 6	2 1 4 4 3
<i>Cymbella mesiana</i> Cholnoky	6 12 14 9 0	0 0 0 5 0	0 1 2 1 2
<i>Cymbella minuta</i> Hilse	7 13 14 9 9	4 6 5 5 6	0 1 3 4 3
<i>Cymbella naviculiformis</i> Auersw.	6 12 14 9 9	4 11 9 5 6	2 1 3 4 3
<i>Cymbella prostrata</i> (Berkeley) Brun	6 12 14 9 10	3 4 3 5 6	2 1 3 3 2
<i>Cymbella pusilla</i> Grun.	6 8 5 4 7	2 5 2 5 0	0 0 3 0 3
<i>Cymbella silesiaca</i> Bleisch	7 12 14 9 10	3 6 9 5 4	2 1 3 4 3
<i>Cymbella sinuata</i> Greg.	7 12 14 9 9	4 6 9 5 6	2 1 3 4 3
<i>Cymbella subaequalis</i> Grun.	6 13 14 9 9	4 5 9 5 9	2 1 3 4 3
<i>Cymbella tumida</i> (Bréb.) V.H.	6 12 14 9 9	4 4 3 5 6	0 1 2 4 2
<i>Cymbella tumidula</i> Grun.	6 12 14 9 9	4 4 0 5 9	0 1 2 0 3
<i>Cymbella ventricosa</i> Kütz. ( <i>minuta</i> + <i>silesiaca</i> )	7 12 14 9 10	3 5 9 5 4	2 1 3 4 3
<i>Delphineis surirella</i> (Ehr.) Andrews	6 4 2 2 3	2 1 1 1 1	1 2 2 1 3
<i>Denticula inflata</i> W. Sm.	7 12 14 9 8	2 4 0 5 6	2 1 3 4 3
<i>Denticula subtilis</i> Grun.	6 8 5 4 7	2 4 2 5 0	2 4 3 0 3
<i>Denticula tenuis</i> Kütz.	6 13 14 9 9	4 4 0 5 0	0 1 3 4 3
<i>Diatoma tenue</i> Ag.	3 10 12 7 0	2 5 3 5 0	2 1 2 4 4
<i>Diatoma tenue</i> var. <i>elongatum</i> Lyngb.	3 10 12 7 8	2 5 3 5 4	2 1 3 4 4
<i>Diatoma vulgare</i> Bory	6 12 14 9 10	3 5 3 5 6	2 1 3 3 4
<i>Dimeregramma fulvum</i> (Greg.) Ralfs	6 2 2 2 3	3 1 1 1 1	1 6 2 1 2
<i>Dimeregramma hyalinum</i> Hust.	6 0 2 2 0	0 1 1 1 1	1 0 2 1 4
<i>Dimeregramma marinum</i> (Greg.) Ralfs	6 2 2 2 3	3 1 1 1 1	1 0 2 1 2

<i>Dimeregramma minor</i> (Greg.) Ralfs														
6 3 2 2 4	2	1	1	1	1				1	4	2	1	2	
<i>Dimeregramma minor</i> var. <i>nanum</i> (Greg.) V. H.														
6 3 2 2 4	2	1	1	1	1				1	4	2	1	3	
<i>Diploneis aestiva</i> (Donk.) Cl. var. <i>fusca</i> (Greg.) Ross														
8 3 2 2 3	3	1	1	1	1				1	4	2	1	2	
<i>Diploneis aestuari</i> Hust.														
7 6 5 4 6	2	1	1	1	1				1	4	2	1	3	
<i>Diploneis bombus</i> (Ehr.) Ehr.														
7 4 3 3 4	2	1	1	1	1				1	4	2	1	2	
<i>Diploneis campylodiscus</i> (Grun.) Cl.														
8 0 2 2 0	0	1	1	1	1				1	0	2	1	2	
<i>Diploneis coffeiformis</i> (A. Schmidt) Cl.														
8 3 2 2 3	2	1	1	1	1				1	3	2	1	3	
<i>Diploneis constricta</i> (Grun.) Cl.														
8 0 2 2 0	0	1	1	1	1				1	0	2	1	2	
<i>Diploneis crabro</i> (Ehr.) Ehr.														
6 2 2 2 3	3	1	1	1	1				1	0	2	1	2	
<i>Diploneis crabro</i> var. <i>gloriosa</i> (Brun.) Cl.														
6 2 2 2 3	3	1	1	1	1				1	0	2	1	2	
<i>Diploneis didyma</i> (Ehr.) Cl.														
8 5 5 4 6	2	1	1	1	1				1	4	2	1	2	
<i>Diploneis elliptica</i> (Kütz.) Cl.														
8 12 14 9 11	2	4	9	5	9				0	1	4	5	2	
<i>Diploneis eudoxia</i> (A. Schmidt) Jørg.														
8 0 2 2 0	0	1	1	1	1				1	0	2	1	2	
<i>Diploneis incurvata</i> (Greg.) Cl.														
8 2 2 2 3	3	1	1	1	1				1	4	2	1	2	
<i>Diploneis interrupta</i> (Kütz.) Cl.														
8 8 5 4 7	2	4	2	5	0				0	4	3	0	2	
<i>Diploneis lineata</i> (Donk.) Cl.														
8 2 2 2 0	0	1	1	1	1				1	0	2	1	2	
<i>Diploneis litoralis</i> (Donk.) Cl.														
8 2 2 2 3	3	1	1	1	1				1	4	2	1	3	
<i>Diploneis litoralis</i> var. <i>clathrata</i> (Østr.) Cl.														
8 2 2 2 0	0	1	1	1	1				1	0	2	1	3	
<i>Diploneis marginestriata</i> Hust.														
8 12 14 9 9	4	6	0	5	8				0	1	3	4	3	
<i>Diploneis mediterranea</i> (Grun.) Cl.														
8 2 2 2 0	0	1	1	1	1				1	0	2	1	2	
<i>Diploneis nitescens</i> (Greg.) Cl.														
8 0 2 2 0	0	1	1	1	1				1	0	2	1	3	
<i>Diploneis notabilis</i> (Grev.) Cl.														
8 3 2 2 3	3	1	1	1	1				1	4	2	1	2	
<i>Diploneis notabilis</i> var. <i>oblonga</i> Heiden														
8 3 2 2 3	3	1	1	1	1				1	4	2	1	2	
<i>Diploneis oblongella</i> (Naeg.) Cl.-E.														
8 12 14 9 10	3	4	3	5	8				2	1	4	4	3	
<i>Diploneis oculata</i> (Bréb.) Cl.														
8 13 14 9 9	4	5	4	5	6				0	1	4	4	3	
<i>Diploneis ovalis</i> (Hilse) Cl.														
8 11 12 8 11	2	4	9	5	6				0	1	4	4	2	
<i>Diploneis papula</i> (A. Schmidt) Cl.														
8 3 2 2 4	2	1	1	1	1				1	3	2	1	3	
<i>Diploneis pseudovalvis</i> Hust.														
8 8 5 4 6	2	4	2	5	0				0	0	3	0	3	
<i>Diploneis puella</i> (Schum.) Cl.														
8 12 14 9 9	4	5	9	5	8				0	1	3	4	3	
<i>Diploneis smithii</i> (Bréb.) Cl. + var. <i>rhombica</i> Mereschk.														
8 5 4 3 5	2	1	1	1	1				1	4	2	1	3	
<i>Diploneis smithii</i> var. <i>pumila</i> (Grun.) Hust.														
8 0 5 4 6	2	1	1	1	1				1	0	2	0	3	
<i>Diploneis stroemii</i> Hust.														
8 4 3 3 4	2	1	1	1	1				1	4	2	1	2	

<i>Diploneis subadvena</i> Hust.													
8 0 2 2 0	0	1	1	1	1				1	0	2	1	3
<i>Diploneis subcincta</i> (A. Schmidt) Cl.													
8 2 2 2 3	3	1	1	1	1				1	6	2	1	2
<i>Diploneis suborbicularis</i> (Greg.) Cl.													
7 2 2 2 3	3	1	1	1	1				1	6	2	1	2
<i>Diploneis subovalis</i> Cl.													
8 12 13 8 10	3	4	0	5	0				0	1	3	0	3
<i>Diploneis vacillans</i> (A. Schmidt) Cl.													
8 4 3 3 3	2	1	1	1	1				1	0	2	1	3
<i>Diploneis vetula</i> (A. Schmidt) Cl.													
8 2 2 2 0	0	1	1	1	1				1	0	2	1	2
<i>Diploneis vetula</i> var. <i>americana</i> Hust. + f. <i>minutissima</i> Hust.													
8 0 2 2 0	0	1	1	1	1				1	0	2	1	3
<i>Diploneis weissflogii</i> (A. Schmidt) Cl.													
8 2 2 2 3	3	1	1	1	1				1	4	2	1	2
<i>Ellerbeckia arenaria</i> (Moore) Crawford													
4 12 14 9 9	3	4	9	5	8				2	1	3	4	2
<i>Entomoneis alata</i> (Ehr.) Ehr.													
8 4 6 4 7	2	1	1	1	1				1	4	2	1	3
<i>Epithemis adnata</i> (Kütz.) Bréb.													
6 12 14 9 10	3	3	3	5	6				0	1	3	4	2
<i>Epithemis frickei</i> Krammer													
6 12 14 9 10	3	4	2	5	0				0	1	2	5	2
<i>Epithemis goeppertiana</i> Hilse													
6 14 14 9 9	4	4	6	5	0				0	1	2	5	2
<i>Epithemis hyndmanii</i> W. Sm.													
6 12 14 9 9	4	4	2	5	0				0	1	3	5	2
<i>Epithemis sorex</i> Kütz.													
6 11 13 8 11	2	3	2	5	6				2	1	3	4	3
<i>Epithemis turgida</i> (Ehr.) Kütz.													
6 12 13 8 11	2	3	3	5	6				0	1	3	4	2
<i>Eunotia arcus</i> Ehr.													
6 14 16 11 12	4	7	6	5	9				0	1	3	4	3
<i>Eunotia arcus</i> var. <i>fallax</i> Hust.													
6 14 16 11 12	4	7	6	5	0				0	1	3	4	3
<i>Eunotia bilunaris</i> (Ehr.) Mills													
6 12 14 9 9	4	7	5	5	6				0	1	3	4	3
<i>Eunotia crista-galli</i> Cl.													
6 14 16 11 12	4	8	6	5	0				0	1	3	0	3
<i>Eunotia diodon</i> Ehr.													
6 14 16 11 12	4	8	6	5	0				0	1	4	4	3
<i>Eunotia exigua</i> (Bréb.) Rabenh.													
6 14 16 11 12	4	10	7	5	8				0	1	4	4	4
<i>Eunotia exigua</i> var. <i>undulata</i> Magdeburg													
6 14 16 11 12	4	8	7	5	8				0	1	4	4	4
<i>Eunotia fallax</i> A. Cl. var. <i>gracillima</i> Krasske													
6 14 16 11 12	4	8	6	5	0				0	1	5	0	3
<i>Eunotia maior</i> (W. Sm.) Rabenh.													
6 14 16 11 12	4	8	6	5	8				0	1	3	4	2
<i>Eunotia monodon</i> Ehr.													
6 14 16 11 12	4	8	6	5	9				0	1	3	5	2
<i>Eunotia nodosa</i> Ehr.													
6 12 14 9 9	4	6	5	5	8				0	1	3	5	2
<i>Eunotia parallela</i> Ehr.													
6 14 16 11 12	4	8	7	5	0				0	1	3	0	3
<i>Eunotia pectinalis</i> (Müll.) Rabenh. + var. <i>minor</i> (Kütz.) Rabenh.													
6 13 15 10 9	4	8	5	5	8				2	1	4	4	3
<i>Eunotia pectinalis</i> f. <i>impressa</i> (Ehr.) Hust.													
6 13 15 10 9	4	7	5	5	8				0	1	3	4	3
<i>Eunotia pectinalis</i> var. <i>ventricosa</i> Grun.													
6 13 15 10 9	4	7	5	5	8				0	1	3	4	3
<i>Eunotia praerupta</i> Ehr.													
6 14 16 11 12	4	7	5	5	7				0	1	4	4	2

<i>Eunotia praerupta</i> var. <i>bidens</i> (Ehr.) Grun.	6 14 14 11 12	4 7 5 5 7	0 1 4 4 2
<i>Eunotia sudetica</i> Müll.	6 14 16 11 12	4 7 6 5 8	0 1 3 4 3
<i>Eunotia sudetica</i> var. <i>bidens</i> Hust.	6 14 16 11 12	4 7 6 5 8	0 1 3 0 3
<i>Eunotia tenella</i> (Grun.) Cl.	6 13 15 10 9	4 8 5 5 9	0 1 4 4 3
<i>Eunotia tibia</i> Cl.-E. var. <i>bidens</i> (W. Sm.) Cl.-E.	6 14 16 11 12	4 8 6 5 9	0 1 3 5 2
<i>Eunotia valida</i> Hust.	6 14 16 11 12	4 8 6 5 8	0 1 3 0 3
<i>Eunotia vanheurckii</i> Patr.	6 14 16 11 12	4 8 7 5 8	0 1 3 4 3
<i>Eunogramma dubium</i> Hust.	7 3 2 2 3	2 1 1 1 1	1 4 2 1 4
<i>Eunogramma marinum</i> (W. Sm.) H. & M. Perag.	7 2 2 2 3	2 1 1 1 1	1 0 2 1 3
<i>Eunogramma rectum</i> Salah	7 0 0 4 0	2 1 1 1 1	1 0 2 1 4
<i>Fragilaria atomus</i> Hust.	3 9 9 5 10	3 4 2 5 0	0 0 2 0 4
<i>Fragilaria bicapitata</i> Mayer	6 13 14 9 9	4 6 4 5 6	2 1 2 4 3
<i>Fragilaria bidens</i> Heiberg	3 12 14 9 9	4 4 2 5 8	0 1 2 0 3
<i>Fragilaria brevistriata</i> Grun.	7 12 14 9 5	2 4 3 5 8	2 1 3 4 3
<i>Fragilaria capucina</i> Desm.	3 12 14 9 10	3 5 3 5 6	2 1 3 4 3
<i>Fragilaria capucina</i> var. <i>mesolepta</i> (Rabenh.) Rabenh.	3 12 14 9 10	3 4 3 5 0	2 1 3 4 3
<i>Fragilaria construens</i> (Ehr.) Grun.	3 12 14 9 10	2 4 3 5 6	2 1 3 4 3
<i>Fragilaria construens</i> var. <i>binodis</i> (Ehr.) Grun.	3 12 14 9 10	2 4 3 5 6	2 1 3 4 3
<i>Fragilaria construens</i> var. <i>subsalina</i> Hust.	3 10 12 7 11	2 4 2 5 0	0 1 3 0 3
<i>Fragilaria construens</i> var. <i>venter</i> (Ehr.) Grun.	3 12 14 9 11	2 4 3 5 6	2 1 3 4 3
<i>Fragilaria famelica</i> (Kütz.) Lange-Bertalot	6 12 14 9 10	3 5 9 5 0	0 1 3 4 3
<i>Fragilaria heidenii</i> Østr.	6 11 13 8 10	3 4 2 5 0	0 1 3 0 3
<i>Fragilaria istvanffyi</i> Pant.	6 12 14 9 9	4 4 0 5 0	0 1 2 0 3
<i>Fragilaria lapponica</i> Grun.	3 14 14 9 9	4 5 3 5 0	2 1 3 5 3
<i>Fragilaria leptostauron</i> (Ehr.) Hust.	3 14 14 9 10	3 4 5 5 8	2 1 3 4 2
<i>Fragilaria pinnata</i> Ehr.	7 12 14 9 8	2 5 2 5 6	2 1 4 4 3
<i>Fragilaria striatula</i> Lyngb.	3 3 2 2 3	2 1 1 1 1	1 0 2 1 4
<i>Fragilaria vaucheriae</i> (Kütz.) Petersen	6 12 14 9 10	3 4 3 5 4	4 1 4 4 3
<i>Fragilaria virescens</i> Ralfs var. <i>subsalina</i> Grun.	6 10 12 7 8	2 5 9 5 0	0 1 3 0 4
<i>Frustulia creuzburgensis</i> (Krasske) Hust.	7 8 5 4 6	2 4 2 5 8	3 4 3 4 3
<i>Frustulia linkei</i> Hust.	8 6 3 3 4	2 1 1 1 1	1 0 2 1 3
<i>Frustulia rhomboides</i> (Ehr.) De Toni var. <i>saxonica</i> (Rabenh.) De Toni	8 14 16 11 12	4 8 7 5 9	0 1 4 4 3

<i>Frustulia vulgaris</i> (Thwaites) De Toni	8 12 14 9 10	3 4 10 5 4	2 1 3 4 3
<i>Glyphodesmis distans</i> (Greg.) Grun.	6 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Glyphodesmis williamsonii</i> (W. Sm.) Grun.	6 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Gomphonema acuminatum</i> Ehr.	6 12 14 9 9	4 5 9 5 6	0 1 3 4 3
<i>Gomphonema affine</i> Kütz.	6 12 14 9 9	4 5 9 5 0	0 1 3 4 3
<i>Gomphonema angustatum</i> (Kütz.) Rabenh.	6 12 14 9 11	2 5 4 5 6	2 1 3 4 3
<i>Gomphonema angustum</i> Ag.	6 12 14 9 11	2 11 9 5 6	2 1 3 4 3
<i>Gomphonema augur</i> Ehr.	6 12 14 9 10	2 5 4 5 4	0 1 2 4 3
<i>Gomphonema augur</i> var. <i>turris</i> (Ehr.) Lange-Bertalot	6 12 14 9 9	4 5 0 5 0	0 1 2 0 3
<i>Gomphonema clavatum</i> Ehr.	6 12 14 9 9	4 11 9 5 8	3 1 3 4 3
<i>Gomphonema exiguum</i> Kütz.	6 0 4 3 5	2 1 1 1 1	1 0 2 1 3
<i>Gomphonema gracile</i> Ehr.	6 12 14 9 11	2 11 6 5 6	0 1 3 4 3
<i>Gomphonema grovei</i> M. Schmidt var. <i>lingulatum</i> (Hust.) Lange-Bertalot	6 12 14 9 9	4 6 3 5 5	0 1 2 0 3
<i>Gomphonema insigne</i> Greg.	6 12 14 9 10	3 5 3 5 0	0 1 2 4 3
<i>Gomphonema lagerheimii</i> Cl.	6 13 14 9 9	4 6 6 5 0	0 1 2 0 3
<i>Gomphonema littorale</i> Hendey	6 3 3 3 0	2 1 1 1 1	1 0 2 1 3
<i>Gomphonema olivaceum</i> (Hornemann) Bréb.	6 11 13 8 11	2 4 9 5 5	0 1 3 4 3
<i>Gomphonema olivaceum</i> var. <i>calcareum</i> (Cl.) Cl.	6 11 13 8 10	2 3 0 5 6	0 1 3 4 3
<i>Gomphonema olivaceum</i> var. <i>minutissima</i> Hust.	6 12 14 9 9	4 5 0 5 0	2 1 2 0 3
<i>Gomphonema parvulum</i> (Kütz.) Kütz.	6 12 14 9 11	2 5 3 3 2	4 1 3 4 3
<i>Gomphonema parvulum</i> var. <i>micropus</i> (Kütz.) Cl. sensu Hustedt (1930)	6 12 14 9 11	2 5 2 0 0	0 1 3 0 3
<i>Gomphonema subtile</i> Ehr.	6 13 15 10 12	4 6 6 5 8	2 1 2 4 3
<i>Gomphonema tuckei</i> Hust.	6 12 14 9 9	4 0 0 5 0	0 1 4 0 4
<i>Gomphonema truncatum</i> Ehr.	6 12 14 9 10	3 4 9 5 6	0 1 2 4 3
<i>Grammatophora angulosa</i> Ehr.	6 2 2 2 3	3 1 1 1 1	1 6 2 1 3
<i>Grammatophora angulosa</i> var. <i>islandica</i> (Ehr.) Grun.	6 2 2 2 3	3 1 1 1 1	1 6 2 1 2
<i>Grammatophora marina</i> (Lyngb.) Kütz.	6 2 2 2 4	2 1 1 1 1	1 4 2 1 3
<i>Grammatophora oceanica</i> Ehr.	6 2 2 2 4	2 1 1 1 1	1 4 2 1 3
<i>Grammatophora oceanica</i> var. <i>macilenta</i> (W. Sm.) Grun.	6 2 2 2 4	2 1 1 1 1	1 4 2 1 3
<i>Grammatophora serpentina</i> Ehr.	6 2 2 2 3	2 1 1 1 1	1 4 2 1 2
<i>Grammatophora undulata</i> Ehr.	6 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Gyrosigma acuminatum</i> (Kütz.) Rabenh.	8 12 14 9 10	3 4 2 5 4	0 1 3 4 3

<i>Gyrosigma acuminatum</i> var. <i>gallica</i> Grun.	8 11 13 8 10	3 4 2 5 4	0 1 3 4 3
<i>Gyrosigma attenuatum</i> (Kütz.) Rabenh.	8 12 14 9 10	3 2 2 5 6	0 1 3 4 3
<i>Gyrosigma balticum</i> (Ehr.) Rabenh.	8 8 5 4 7	2 2 2 5 0	4 2 3 0 2
<i>Gyrosigma distortum</i> (W. Sm.) Griffith & Henfrey	8 9 5 4 6	2 4 2 5 0	0 0 3 0 3
<i>Gyrosigma eximium</i> (Thwaites) Boyer	7 10 9 5 7	2 2 2 5 0	0 4 3 0 3
<i>Gyrosigma fasciola</i> (Ehr.) Griffith & Henfrey	8 6 6 4 7	2 1 1 1 1	1 4 2 1 4
<i>Gyrosigma hippocampus</i> (Ehr.) Hass.	8 6 6 4 7	2 1 1 1 1	1 0 2 1 3
<i>Gyrosigma littorale</i> (W. Sm.) Griffith & Henfrey	8 2 2 2 4	2 1 1 1 1	1 0 2 1 3
<i>Gyrosigma macrum</i> (W. Sm.) Griffith & Henfrey	4 5 5 4 6	2 1 1 1 1	1 0 2 1 4
<i>Gyrosigma nodiferum</i> (Grun.) Reimer	8 11 12 7 11	2 2 0 5 6	0 1 2 4 3
<i>Gyrosigma obscurum</i> (W. Sm.) Griffith & Henfrey	8 0 3 3 4	2 1 1 1 1	1 0 2 1 3
<i>Gyrosigma parkeri</i> (Harrison) Elmore	8 9 7 4 6	2 4 2 5 8	0 0 3 0 3
<i>Gyrosigma peisonis</i> (Grun.) Hust.	8 10 5 4 7	2 4 2 5 8	0 4 3 0 3
<i>Gyrosigma scalpoides</i> (Rabenh.) Cl.	8 10 12 7 8	2 4 0 5 8	0 4 3 3 3
<i>Gyrosigma spenceri</i> (Quek.) Griffith & Henfrey	8 7 5 4 7	2 1 1 1 1	1 2 2 1 3
<i>Gyrosigma strigilis</i> (W. Sm.) Griffith & Henfrey	8 8 5 4 7	2 2 2 5 0	0 0 3 0 3
<i>Gyrosigma wansbeckii</i> (Donk.) Cl.	8 8 5 4 6	2 2 2 5 0	0 0 3 0 3
<i>Hannaea arcus</i> (Ehr.) Patr.	7 14 14 9 9	4 6 5 5 8	2 1 3 3 3
<i>Hantzschia amphioxys</i> (Ehr.) Grun.	8 12 14 9 10	3 11 9 5 4	0 1 5 4 3
<i>Hantzschia amphioxys</i> var. <i>major</i> Grun.	8 12 14 9 10	3 6 0 5 0	0 1 4 4 2
<i>Hantzschia amphioxys</i> var. <i>vivax</i> (Hantzsch) Grun.	8 12 14 9 0	0 6 0 5 0	0 1 4 0 2
<i>Hantzschia marina</i> (Donk.) Grun.	8 4 3 3 3	2 1 1 1 1	1 4 2 1 3
<i>Hantzschia spectabilis</i> (Ehr.) Hust.	8 9 9 5 11	2 4 2 5 8	0 1 3 0 2
<i>Hantzschia virgata</i> (Roper) Grun.	8 6 5 4 7	2 1 1 1 1	1 4 2 1 3
<i>Hantzschia virgata</i> var. <i>gracilis</i> Hust.	8 6 5 4 7	2 1 1 1 1	1 4 2 1 3
<i>Hantzschia virgata</i> var. <i>leptocephala</i> Østr.	8 6 5 4 7	2 1 1 1 1	1 4 2 1 3
<i>Hemiaulus polymorphus</i> Grun. var. <i>frigida</i> Grun.	2 2 2 2 0	0 1 1 1 1	1 1 2 1 2
<i>Huttoniella reichardtii</i> (Grun.) Hust.	7 2 2 2 0	0 1 1 1 1	1 0 2 1 2
<i>Hyalodiscus scoticus</i> (Kütz.) Grun.	3 5 3 3 4	2 1 1 1 1	1 4 2 1 3
<i>Isthmia obliquata</i> (Sm.) Ag.	3 2 2 2 2	3 1 1 1 1	1 6 2 1 2
<i>Leyanella arenaria</i> Hasle, von Stosch & Syvertsen	4 2 2 2 0	0 1 1 1 1	1 0 2 1 4
<i>Lithodesmium undulatum</i> Ehr.	2 2 2 2 3	3 1 1 1 1	1 1 2 1 3

<i>Mastogloia braunii</i> Grun.	6 8 5 4 7	2 4 0 5 0	0 0 3 0 3
<i>Mastogloia elliptica</i> (Ag.) Cl.	7 8 5 4 6	2 4 0 5 0	0 4 3 0 3
<i>Mastogloia exigua</i> Lewis	6 7 6 3 7	2 1 1 1 1	1 4 2 1 3
<i>Mastogloia gilbertii</i> A. Schmidt	6 0 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Mastogloia pumila</i> (Grun.) Cl.	6 4 3 3 5	2 1 1 1 1	1 4 2 1 3
<i>Mastogloia pusilla</i> Grun.	7 3 3 3 5	2 1 1 1 1	1 4 2 1 3
<i>Mastogloia smithii</i> Thwaites	7 9 9 5 8	2 4 0 5 6	0 1 3 4 3
<i>Mastogloia smithii</i> var. <i>lacustris</i> Grun.	7 11 13 8 8	2 4 2 5 6	0 1 3 4 3
<i>Mastogloia splendida</i> (Greg.) Cl.	6 2 2 2 2	4 1 1 1 1	1 0 2 1 2
<i>Melosira lineata</i> (Dillw.) Ag.	3 8 7 4 7	2 4 2 5 6	0 0 3 1 2
<i>Melosira moniliformis</i> (Müll.) Ag.	3 6 6 4 5	2 1 1 1 1	1 4 2 1 2
<i>Melosira nummuloides</i> Ag.	3 6 5 4 4	2 1 1 1 1	1 4 2 1 3
<i>Melosira varians</i> Ag.	3 12 13 8 10	2 4 2 3 4	3 1 3 4 2
<i>Meridion circulare</i> (Grev.) Ag.	6 12 14 9 11	2 5 4 5 6	2 1 3 3 3
<i>Navicula abrupta</i> (Greg.) Donk.	8 4 2 2 3	2 1 1 1 1	1 4 2 1 3
<i>Navicula abscondita</i> Hust.	8 4 2 2 0	0 1 1 1 1	1 0 2 1 4
<i>Navicula absoluta</i> Hust.	8 12 14 9 9	4 7 5 5 0	0 1 3 1 3
<i>Navicula abunda</i> Hust.	8 5 3 3 4	2 1 1 1 1	1 0 2 1 3
<i>Navicula aequorea</i> Hust.	8 4 2 2 0	0 1 1 1 1	1 0 2 1 4
<i>Navicula agnita</i> Hust.	8 4 3 2 4	2 1 1 1 1	1 0 2 1 3
<i>Navicula americana</i> Ehr.	8 12 14 9 9	4 5 6 5 0	0 1 2 5 2
<i>Navicula ammophila</i> Grun.	8 5 3 3 4	2 1 1 1 1	1 0 2 1 3
<i>Navicula amphibola</i> Cl.	8 12 14 9 10	3 5 4 5 9	0 1 4 4 3
<i>Navicula amphipleurooides</i> Hust.	8 6 6 4 4	2 1 1 1 1	1 0 2 1 4
<i>Navicula angusta</i> Grun.	8 13 15 10 12	4 7 6 5 9	0 1 3 4 3
<i>Navicula annexa</i> Hust.	8 12 14 9 0	0 0 0 0 0	0 1 2 0 3
<i>Navicula apiculata</i> Grun.	8 2 2 2 3	3 1 1 1 1	1 0 2 1 3
<i>Navicula arenaria</i> Donk.	8 4 3 3 3	2 1 1 1 1	1 0 2 1 3
<i>Navicula arenaria</i> var. <i>rostellata</i> Lange-Bertalot	8 7 6 4 5	2 1 1 1 1	1 0 2 1 3
<i>Navicula asellus</i> Weinhold	8 12 14 9 9	4 5 0 5 0	0 1 5 0 4
<i>Navicula atlantica</i> (A. Schmidt) H. & M. Perag.	8 4 2 2 4	2 1 1 1 1	1 0 2 1 2
<i>Navicula atomus</i> (Kütz.) Grun.	8 12 14 9 9	4 5 2 4 2	0 1 5 4 4

<i>Navicula atomus</i> var. <i>excelsa</i>	(Krasske)	Lange-Bertalot
8 12 14 9 9	4 6 2 0 2	0 1 4 0 4
<i>Navicula bacillum</i> Ehr.		
8 12 14 9 9	4 4 3 5 6	0 1 3 4 3
<i>Navicula begeri</i> Krasske		
8 12 14 9 9	4 6 0 5 0	0 1 4 0 3
<i>Navicula bottnica</i> Grun.		
7 8 5 4 6	2 4 2 5 0	0 0 3 1 3
<i>Navicula brekkaensis</i> Petersen		
8 13 15 10 12	4 8 6 5 0	2 1 4 4 4
<i>Navicula bremensis</i> Hust.		
8 12 14 9 9	4 8 0 5 0	0 1 4 0 3
<i>Navicula britannica</i> Hust. & Aleem		
8 4 2 2 3	3 1 1 1 1	1 0 2 1 3
<i>Navicula brockmannii</i> Hust.		
8 12 14 9 9	4 6 0 5 8	0 1 4 0 4
<i>Navicula bryophila</i> Petersen		
8 13 15 10 12	4 7 5 5 8	2 1 4 0 4
<i>Navicula cancellata</i> Donk.		
8 3 2 2 4	2 1 1 1 1	1 4 2 1 3
<i>Navicula capitata</i> Ehr.		
8 12 14 9 10	3 4 2 5 4	3 1 3 4 3
<i>Navicula capitata</i> var. <i>hungarica</i> (Grun.) Ross		
8 11 14 9 10	3 4 2 5 4	3 1 3 4 3
<i>Navicula capitata</i> var. <i>linearis</i> Østrup		
8 10 12 7 10	3 4 2 0 4	3 1 3 4 3
<i>Navicula capitata</i> var. <i>lueneburgensis</i> (Grun.) Patr.		
8 12 14 9 10	3 4 2 5 4	3 1 3 4 3
<i>Navicula capitatoradiata</i> Germain		
8 11 13 8 10	3 4 2 5 4	0 1 3 4 3
<i>Navicula cari</i> Ehr.		
8 12 14 9 9	4 4 9 5 4	0 1 3 4 3
<i>Navicula cincta</i> (Ehr.) Ralfs		
8 11 12 7 8	2 4 9 5 4	0 1 5 4 3
<i>Navicula circumtexta</i> Meist.		
8 6 5 4 6	2 1 1 1 1	1 0 2 1 3
<i>Navicula clamans</i> Hust.		
8 4 3 3 3	2 1 1 1 1	1 4 2 1 3
<i>Navicula clementicoides</i> Hust.		
8 12 14 9 10	3 4 6 5 0	0 1 2 0 3
<i>Navicula clementis</i> Grun.		
8 11 13 8 11	2 4 0 5 0	0 1 3 0 3
<i>Navicula cluthenosoides</i> Hust.		
8 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Navicula coccineiformis</i> Greg.		
8 14 16 11 12	4 7 6 5 0	2 1 3 4 3
<i>Navicula cohnii</i> (Hilse) Lange-Bertalot		
8 12 14 9 10	3 5 0 5 4	2 1 4 4 3
<i>Navicula complanata</i> (Grun.) Grun.		
8 2 2 2 3	2 1 1 1 1	1 0 2 1 4
<i>Navicula complanatoides</i> Hust.		
8 2 2 2 3	3 1 1 1 1	1 0 2 1 4
<i>Navicula concentrica</i> Carter		
8 12 14 9 10	3 4 6 5 0	0 1 2 4 3
<i>Navicula consentanea</i> Hust.		
8 6 5 4 5	2 1 1 1 1	1 0 2 1 4
<i>Navicula contenta</i> Grun.		
8 13 14 9 8	2 7 6 5 0	2 1 5 4 4
<i>Navicula corymbosa</i> (Ag.) Cl.		
6 4 2 2 4	2 1 1 1 1	1 0 2 1 3
<i>Navicula costulata</i> Grun.		
8 12 13 8 10	3 4 2 5 0	0 1 2 4 3
<i>Navicula crucicula</i> (W. Sm.) Donk.		
8 6 6 4 6	2 1 1 1 1	1 4 2 1 3

<b>Navicula crucicula</b> var. <b>cruciculoides</b>	(Brockmann)	Lange-Bertalot
8 7 6 4 7 2 1 1 1 1	1 4 2 1 3	
<b>Navicula crucigera</b> (W. Sm.) Cl.		
6 5 6 4 6 2 1 1 1 1	1 4 2 1 3	
<b>Navicula cryptocephala</b> Kütz.		
8 12 14 9 8 2 4 9 5 4	4 1 4 4 3	
<b>Navicula cryptolyra</b> Brockmann		
8 6 5 4 6 2 1 1 1 1	1 4 2 1 4	
<b>Navicula cryptotenella</b> Lange-Bertalot		
8 12 14 9 11 2 5 4 5 6	0 1 3 4 3	
<b>Navicula cuspidata</b> Kütz.		
8 12 14 9 10 3 4 3 5 4	4 1 3 4 2	
<b>Navicula delognei</b> (V. H.) Cox		
6 3 2 2 3 3 1 1 1 1	1 6 2 1 3	
<b>Navicula digitoradiata</b> (Greg.) Ralfs		
8 7 6 4 6 2 1 1 1 1	1 4 2 1 2	
<b>Navicula digitoradiata</b> var. <b>minima</b> Cl.-E.		
8 7 6 4 6 2 1 1 1 1	1 4 2 1 3	
<b>Navicula digitoradiata</b> var. <b>rostrata</b> Hust.		
8 8 7 4 6 2 1 1 1 1	1 4 2 1 3	
<b>Navicula dilucida</b> Hust.		
8 4 2 2 3 2 1 1 1 1	1 0 2 1 3	
<b>Navicula diploneoides</b> Hust.		
8 2 2 2 0 2 1 1 1 1	1 0 2 1 3	
<b>Navicula directa</b> (W. Sm.) Ralfs		
6 3 2 2 3 2 1 1 1 1	1 6 2 1 3	
<b>Navicula directa</b> var. <b>remota</b> Grun.		
6 3 2 2 3 2 1 1 1 1	1 6 2 1 3	
<b>Navicula disjuncta</b> Hust. + f. <b>anglica</b> Hust.		
8 12 14 9 9 4 5 0 5 8	0 1 3 0 4	
<b>Navicula distans</b> (W. Sm.) Ralfs		
8 2 2 2 2 4 1 1 1 1	1 5 2 1 2	
<b>Navicula dithmarsica</b> König		
8 5 3 3 3 2 1 1 1 1	1 0 2 1 3	
<b>Navicula eidrigiana</b> Carter		
8 11 12 7 10 3 4 0 5 0	0 1 3 0 3	
<b>Navicula elegans</b> W. Sm.		
8 8 5 4 7 2 4 2 5 0	0 0 3 0 3	
<b>Navicula elginensis</b> (Greg.) Ralfs		
8 12 14 9 10 3 4 9 5 6	0 1 3 4 3	
<b>Navicula erifuga</b> Lange-Bertalot		
8 11 12 7 11 2 4 2 5 0	0 1 3 4 3	
<b>Navicula fenestrella</b> Hust.		
8 4 2 2 3 3 1 1 1 1	1 0 2 1 4	
<b>Navicula finmarchica</b> (Cl. & Grun.) Cl.		
8 4 2 2 3 3 1 1 1 1	1 4 2 1 3	
<b>Navicula flanatica</b> Grun.		
8 4 3 3 4 2 1 1 1 1	1 4 2 1 3	
<b>Navicula florinae</b> Möller		
8 4 3 3 4 2 1 1 1 1	1 4 2 1 4	
<b>Navicula forcipata</b> Grev. + var. <b>densestriata</b> A. Schmidt		
8 4 3 3 4 2 1 1 1 1	1 4 2 1 3	
<b>Navicula fossalis</b> Krasske		
8 12 14 9 9 4 7 0 5 0	0 1 5 0 4	
<b>Navicula fossalis</b> var. <b>obsidialis</b> (Hust.) Lange-Bertalot		
8 12 14 9 0 0 0 0 5 0	0 1 4 0 4	
<b>Navicula fromenterae</b> Cl.		
8 4 2 2 0 3 1 1 1 1	1 0 2 1 3	
<b>Navicula gallica</b> (W. Sm.) Lagerst.		
8 12 14 9 9 4 6 0 0 0	0 1 5 4 4	
<b>Navicula gallica</b> var. <b>laevissima</b> (Cl.) Lange-Bertalot		
8 12 14 9 9 4 11 0 5 0	0 1 5 0 4	
<b>Navicula gallica</b> var. <b>perpusilla</b> (Grun.) Lange-Bertalot		
8 12 14 9 9 4 7 7 5 8	2 1 5 4 4	

<i>Navicula gastrum</i> (Ehr.) Kütz.	8 12 14 9 9	4 5 9 5 7	0 1 2 5 3
<i>Navicula gastrum</i> var. <i>signata</i> Hust.	8 12 14 9 9	4 5 9 5 7	0 1 2 5 3
<i>Navicula gemmifera</i> Simonsen	8 4 3 3 5	2 1 1 1 1	1 0 2 1 4
<i>Navicula genustriata</i> Hust.	8 11 12 7 9	3 4 2 5 0	0 1 3 0 3
<i>Navicula gibbula</i> Cl.	8 12 14 9 9	4 6 0 5 8	0 1 5 4 3
<i>Navicula goeppertiana</i> (Bleisch) H.L. Smith	8 12 14 9 9	4 6 2 3 2	4 1 4 0 3
<i>Navicula gottlandica</i> Grun.	8 12 14 9 9	4 4 4 5 0	0 1 2 0 3
<i>Navicula granulata</i> Bail.	8 3 2 2 3	3 1 1 1 1	1 4 2 1 2
<i>Navicula gregaria</i> Donk.	8 8 5 4 7	2 4 2 3 4	4 4 3 4 3
<i>Navicula groschopfii</i> Hust.	8 4 2 2 3	3 1 1 1 1	1 0 2 1 4
<i>Navicula halophila</i> (Grun.) Cl.	8 8 5 4 7	2 4 2 5 4	0 0 3 0 3
<i>Navicula harderii</i> Hust.	8 13 14 9 9	4 0 0 0 0	0 1 5 0 4
<i>Navicula helensis</i> Schulz	8 12 14 9 9	4 4 0 5 8	0 1 3 0 4
<i>Navicula hennedyi</i> W. Sm.	8 3 2 2 3	3 1 1 1 1	1 5 2 1 2
<i>Navicula humerosa</i> Bréb.	8 4 3 3 4	2 1 1 1 1	1 4 2 1 3
<i>Navicula hustedtiana</i> Simonsen	8 4 2 2 3	2 1 1 1 1	1 0 2 1 3
<i>Navicula hyalinula</i> De Toni	8 7 4 3 4	2 1 1 1 1	1 4 2 1 3
<i>Navicula ignota</i> Krasske var. <i>palustris</i> (Hust.) Lund	8 12 14 9 9	4 6 0 5 8	0 1 4 4 3
<i>Navicula impercepta</i> Hust.	8 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Navicula incertata</i> Lange-Bertalot	7 6 5 4 6	2 1 1 1 1	1 0 2 1 3
<i>Navicula insociabilis</i> Krasske	8 12 14 9 9	4 4 0 5 8	0 1 5 4 4
<i>Navicula integra</i> (W. Sm.) Ralfs	8 9 12 7 10	3 4 2 5 4	3 1 2 1 3
<i>Navicula justa</i> Hust.	8 7 5 4 6	2 1 1 1 1	1 0 2 1 4
<i>Navicula joubaudii</i> Germain	8 14 14 9 9	4 0 0 5 6	0 1 3 0 4
<i>Navicula kotschyti</i> Grun.	8 12 13 8 10	3 4 0 5 0	3 1 4 0 3
<i>Navicula laevissima</i> Kütz.	8 13 15 10 9	4 5 6 5 9	0 1 3 4 3
<i>Navicula lanceolata</i> (Ag.) Ehr.	7 9 9 5 11	2 4 2 5 4	0 1 3 4 3
<i>Navicula lapidosa</i> Krasske	8 14 16 11 12	4 7 0 5 0	2 1 4 4 4
<i>Navicula lesmonensis</i> Hust.	8 10 12 7 10	3 5 0 5 8	0 1 3 0 3
<i>Navicula libonensis</i> Schoemann	8 12 14 9 9	4 4 0 5 0	0 1 2 0 3
<i>Navicula litoricola</i> Hust.	8 4 2 2 3	2 1 1 1 1	1 0 2 1 3
<i>Navicula lubetii</i> König	8 5 5 4 6	2 1 1 1 1	1 0 2 1 4

<i>Navicula lucens</i> Hust.								
8 4 2 2 0	2	1	1	1	1	1	0	2 1 3
<i>Navicula lyra</i> Ehr.								
8 2 2 2 3	3	1	1	1	1	1	4	2 1 2
<i>Navicula lyroides</i> Hendey								
8 2 2 2 3	3	1	1	1	1	1	0	2 1 2
<i>Navicula maculosa</i> Donk.								
8 3 2 2 3	3	1	1	1	1	1	0	2 1 3
<i>Navicula margalithii</i> Lange-Bertalot								
8 0 0 0 0	2	0	0	0	0	0	0	2 0 3
<i>Navicula marina</i> Ralfs								
8 4 3 3 3	2	1	1	1	1	1	0	2 1 3
<i>Navicula medicoconvexa</i> Hust.								
8 13 14 9 9	4	7	0	5	0	0	1	4 0 4
<i>Navicula menisculus</i> Schum.								
8 11 13 8 11	2	4	2	5	4	0	1	3 4 3
<i>Navicula meniscus</i> Schum.								
8 10 12 7 10	2	4	2	5	8	0	1	3 0 3
<i>Navicula minima</i> Grun.								
8 12 14 9 11	2	5	2	0	2	4	1	4 4 4
<i>Navicula monilifera</i> Cl.								
8 2 2 2 0	0	1	1	1	1	1	0	2 1 2
<i>Navicula monoculata</i> Hust.								
8 12 14 9 0	0	4	0	5	4	0	1	3 0 4
<i>Navicula monoculata</i> var. <i>omissa</i> (Hust.) Lange-Bertalot								
8 12 14 9 0	0	4	0	5	4	0	1	3 0 4
<i>Navicula mutica</i> Kütz.								
8 10 12 7 11	2	5	2	5	4	3	1	5 4 3
<i>Navicula mutica</i> f. <i>intermedia</i> Hust.								
8 10 12 7 11	2	5	2	5	0	3	1	5 4 3
<i>Navicula mutica</i> f. <i>producta</i> Grun.								
8 10 12 7 11	2	5	2	5	0	3	1	5 4 3
<i>Navicula mutica</i> var. <i>ventricosa</i> (Kütz.) Cl.								
8 11 13 8 10	3	5	2	5	4	2	1	5 4 3
<i>Navicula nitrophila</i> Petersen								
8 12 14 9 9	4	0	2	0	0	0	1	3 0 4
<i>Navicula nivalis</i> Ehr.								
8 11 13 8 10	3	5	2	5	0	0	1	5 4 3
<i>Navicula nolens</i> Simonsen								
8 6 5 4 6	2	1	1	1	1	1	0	2 1 4
<i>Navicula normalis</i> Hust.								
8 0 2 2 0	0	1	1	1	1	1	0	2 1 3
<i>Navicula normaloides</i> Cholnoky								
8 0 3 3 0	2	1	1	1	1	1	0	2 1 3
<i>Navicula notanda</i> Østr.								
8 12 14 9 0	3	4	3	5	0	0	1	2 0 3
<i>Navicula oblonga</i> (Kütz.) Kütz.								
8 12 14 9 11	2	4	2	5	6	4	1	2 4 2
<i>Navicula occulta</i> Krasske								
8 12 14 9 9	2	0	0	5	0	0	1	3 0 4
<i>Navicula oculiformis</i> Hust.								
8 2 2 2 0	0	1	1	1	1	1	0	2 1 3
<i>Navicula ordinaria</i> Hust.								
8 10 12 7 0	0	4	0	5	6	0	1	2 0 3
<i>Navicula palpebralis</i> Bréb.								
8 4 2 2 3	2	1	1	1	1	1	4	2 1 3
<i>Navicula parva</i> (Menegh.) Cl.								
6 6 6 4 6	2	1	1	1	1	1	0	2 1 4
<i>Navicula pavillardii</i> Hust.								
7 3 2 2 3	2	1	1	1	1	1	0	2 1 3
<i>Navicula pellicola</i> Brockmann								
8 2 2 2 0	2	1	1	1	1	1	0	2 1 4
<i>Navicula pelliculosa</i> (Bréb.) Hilse								
8 12 14 9 11	2	4	2	3	6	0	1	5 1 4

<i>Navicula pennata</i> A. Schmidt	7 0 3 3 0	2 1 1 1 1	1 0 2 1 3
<i>Navicula peregrina</i> (Ehr.) Kütz.	8 8 7 4 7	2 4 2 5 0	0 4 3 0 2
<i>Navicula peregrina</i> var. <i>kefvingensis</i> (Ehr.) Cl.	8 8 7 4 7	2 4 2 5 0	0 4 3 0 3
<i>Navicula perminuta</i> Grun.	7 7 5 4 6	2 1 1 1 1	1 4 2 1 3
<i>Navicula phyllepta</i> Kütz.	8 5 6 4 7	2 1 1 1 1	1 4 2 1 3
<i>Navicula placentula</i> (Ehr.) Kütz.	8 12 14 9 9	4 4 0 5 8	0 1 2 4 3
<i>Navicula plicata</i> Donk.	8 4 6 4 6	2 1 1 1 1	1 4 2 1 3
<i>Navicula praetexta</i> Ehr.	8 2 2 2 3	3 1 1 1 1	1 0 2 1 2
<i>Navicula protracta</i> (Grun.) Cl.	8 9 9 5 8	2 5 2 5 0	3 1 3 4 3
<i>Navicula pseudanglica</i> Lange-Bertalot	8 12 14 9 10	3 4 9 5 6	0 1 3 4 3
<i>Navicula pseudocomoides</i> Hendey	6 4 2 2 3	2 1 1 1 1	1 6 2 1 3
<i>Navicula pseudoforcipata</i> Hust.	8 10 12 7 0	0 5 0 5 0	0 1 3 0 4
<i>Navicula pseudoinflate</i> Giffen	8 0 0 0 0	0 0 0 0 0	0 0 2 0 3
<i>Navicula pseudolanceolata</i> Lange-Bertalot	8 12 14 9 10	3 4 3 5 7	0 1 3 1 3
<i>Navicula pseudopalpebralis</i> Hendey	8 0 0 0 0	0 0 0 0 0	0 0 2 0 3
<i>Navicula pseudotuscula</i> Hust.	8 12 14 9 9	4 3 3 5 8	0 1 2 0 3
<i>Navicula pseudoventralis</i> Hust.	8 12 14 9 9	4 5 5 5 0	0 1 3 4 4
<i>Navicula pupula</i> Kütz.	8 12 14 9 10	3 5 3 5 4	3 1 3 4 3
<i>Navicula pupula</i> var. <i>mutata</i> (Krasske) Hust.	8 12 14 9 10	3 5 3 5 4	3 1 3 4 3
<i>Navicula pusilla</i> W. Sm.	8 10 12 7 10	3 5 0 5 0	2 1 4 4 3
<i>Navicula pygmaea</i> Kütz.	8 10 7 4 7	2 2 1 5 4	3 4 3 4 3
<i>Navicula radiosha</i> Kütz.	8 12 14 9 8	2 6 9 5 6	0 1 3 4 3
<i>Navicula ramosissima</i> (Ag.) Cl.	6 3 2 2 4	2 1 1 1 1	1 0 2 1 3
<i>Navicula ramosissima</i> var. <i>torquata</i> (Harv.) Ross	6 0 5 4 7	2 1 1 1 1	1 0 2 1 3
<i>Navicula recens</i> (Lange-Bertalot) Lange-Bertalot	8 9 9 5 11	2 4 2 5 4	0 0 3 0 3
<i>Navicula reinhardtii</i> Grun.	8 12 14 9 9	4 3 9 5 6	0 1 3 4 2
<i>Navicula restituta</i> A. Schmidt	8 0 2 2 0	2 1 1 1 1	1 0 2 1 3
<i>Navicula rhombica</i> Greg.	8 4 3 3 5	2 1 1 1 1	1 0 2 1 3
<i>Navicula rhynchocephala</i> Kütz.	8 12 14 9 10	3 4 9 5 4	3 1 3 4 3
<i>Navicula robertsiana</i> Grev.	8 2 2 2 0	0 1 1 1 1	1 0 2 1 2
<i>Navicula rotunda</i> Hust.	8 12 14 9 9	4 4 0 5 8	0 1 2 4 3
<i>Navicula rudiformis</i> Hust.	8 0 2 2 0	0 1 1 1 1	1 0 2 1 3

<i>Navicula salinarum</i> Grun.	8 8 7 4 7	2 4 2 5 0	3 4 3 4 3
<i>Navicula salinicola</i> Hust.	8 4 5 4 6	2 1 1 1 1	1 0 2 1 4
<i>Navicula schoenfeldii</i> Hust.	8 12 14 9 9	4 4 9 5 0	0 1 2 5 3
<i>Navicula schroeterii</i> Meister	8 12 14 9 10	3 4 0 5 4	2 1 3 4 3
<i>Navicula scoliopleura</i> A. Schmidt	8 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Navicula scutelloides</i> W. Sm.	8 12 14 9 9	4 3 2 5 6	0 1 2 5 3
<i>Navicula semen</i> Ehr.	8 12 14 9 9	4 6 6 5 9	0 1 3 0 2
<i>Navicula seminulum</i> Grun.	8 12 14 9 9	4 6 2 3 2	4 1 4 4 4
<i>Navicula seminulum</i> var. <i>intermedia</i> Hust.	8 12 14 9 9	4 6 0 0 0	0 1 4 0 4
<i>Navicula slesvicensis</i> Grun.	8 10 12 7 10	3 4 0 5 4	2 1 3 0 3
<i>Navicula soehrensis</i> Krasske var. <i>hassiaca</i> (Krasske) Lange-Bertalot	8 14 16 11 12	4 8 7 5 8	2 1 4 4 3
<i>Navicula soehrensis</i> var. <i>muscicola</i> (Petersen) Krasske	8 13 14 9 9	4 8 7 5 8	2 1 4 4 3
<i>Navicula solutepunctata</i> Hust.	8 0 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Navicula soodensis</i> Krasske	8 0 5 4 7	2 1 1 1 1	1 0 2 1 3
<i>Navicula spectabilis</i> Greg.	8 0 2 2 0	0 1 1 1 1	1 0 2 1 2
<i>Navicula stuxbergii</i> Cl.	8 0 0 0 0	0 0 0 0 0	0 0 2 0 3
<i>Navicula subapiculata</i> (Grun.) Hust.	8 0 2 2 0	2 1 1 1 1	1 0 2 1 3
<i>Navicula subcostulata</i> Hust. var. <i>avitatta</i> Cholnoky	8 0 14 9 0	4 0 0 5 0	0 1 2 0 3
<i>Navicula subforcipata</i> Hust.	7 4 2 2 3	2 1 1 1 1	1 0 2 1 3
<i>Navicula subinflata</i> Grun.	8 0 5 4 6	2 1 1 1 1	1 0 2 1 3
<i>Navicula subinflatoides</i> Hust.	6 3 2 2 3	3 1 1 1 1	1 6 2 1 3
<i>Navicula sublucidula</i> Hust.	8 0 14 9 0	0 0 0 5 0	0 1 3 0 4
<i>Navicula subminuscula</i> Manguin	8 12 14 9 9	4 5 2 0 2	4 1 3 4 4
<i>Navicula subnymphaeum</i> Hust.	8 0 14 9 9	0 0 0 5 0	0 1 2 0 4
<i>Navicula subrhynchocephala</i> Hust.	8 0 14 9 0	0 4 0 5 0	0 1 2 0 3
<i>Navicula subrotundata</i> Hust.	8 12 14 9 9	4 5 0 5 8	0 1 2 0 4
<i>Navicula suchlandtii</i> Hust.	8 13 14 9 9	4 0 6 5 0	0 1 2 0 4
<i>Navicula tenelloides</i> Hust.	8 12 14 9 8	2 4 0 5 8	2 1 4 0 3
<i>Navicula tenera</i> Hust.	8 6 3 3 5	2 1 1 1 1	1 0 2 1 3
<i>Navicula tripunctata</i> (Müll.) Bory	7 12 14 9 11	2 4 2 3 4	0 1 3 4 3
<i>Navicula tripunctata</i> var. <i>schizonemoides</i> (V. H.) Patr.	6 8 5 4 7	2 4 2 0 0	0 0 3 0 3
<i>Navicula trivialis</i> Lange-Bertalot	8 11 14 9 10	3 4 9 5 4	3 1 3 0 3

<i>Navicula tuscula</i> Ehr.	8 12 14 9 10	3 3 9 5 6	0 1 2 5 3
<i>Navicula utlandshorniensis</i> Van Landingham	8 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Navicula variostriata</i> Krasske	8 12 14 9 10	3 7 7 5 8	0 1 3 0 3
<i>Navicula veneta</i> Kütz.	8 10 9 5 7	2 4 2 5 2	0 1 4 4 3
<i>Navicula versicolor</i> Grun.	8 0 2 2 0	0 1 1 1 1	1 0 2 1 3
<i>Navicula viminoides</i> Giffen	8 0 0 0 0	0 1 1 1 1	1 0 2 1 3
<i>Navicula viridula</i> (Kütz.) Ehr.	7 12 14 9 10	3 4 2 5 4	3 1 2 4 2
<i>Navicula viridula</i> var. <i>linearis</i> Hust.	7 12 14 9 0	0 4 2 5 0	0 1 2 0 3
<i>Navicula viridula</i> var. <i>rostellata</i> (Kütz.) Cl.	8 12 14 9 10	3 4 0 5 5	4 1 2 0 3
<i>Navicula vitabunda</i> Hust.	8 12 14 9 9	4 4 5 5 9	0 1 3 0 3
<i>Navicula vulpina</i> Kütz.	8 12 14 9 9	4 4 3 5 8	0 1 2 5 2
<i>Navicula wuestii</i> Simonsen	8 4 2 2 4	2 1 1 1 1	1 0 2 1 4
<i>Neidium affine</i> (Ehr.) Pfitzer	8 12 14 9 9	4 6 9 5 8	2 1 2 4 3
<i>Neidium affine</i> var. <i>longiceps</i> (Greg.) Cl.	8 12 14 9 9	4 6 0 5 8	0 1 3 0 3
<i>Neidium ampliatum</i> (Ehr.) Krammer	8 12 14 9 9	4 7 5 5 0	0 1 3 5 2
<i>Neidium binodeforme</i> Krammer	7 12 14 9 9	4 0 0 5 0	0 1 2 0 3
<i>Neidium binodis</i> (Ehr.) Hust.	8 11 14 9 0	0 5 0 5 0	0 1 3 0 3
<i>Neidium bisulcatum</i> (Lagerst.) Cl.	8 13 14 9 9	4 7 6 5 8	2 1 3 4 3
<i>Neidium iridis</i> (Ehr.) Cl.	8 12 14 9 9	4 7 4 5 8	0 1 2 5 2
<i>Neidium productum</i> (W. Sm.) Cl.	8 12 14 9 9	4 8 0 5 8	0 1 3 4 3
<i>Nitzschia acuminata</i> (W. Sm.) Grun.	8 4 3 4 3	2 1 1 1 1	1 4 2 1 2
<i>Nitzschia adducta</i> Hust.	8 0 0 0 0	0 0 0 0 0	0 0 2 0 3
<i>Nitzschia aequorea</i> Hust.	6 6 5 4 6	2 1 1 1 1	1 0 2 1 4
<i>Nitzschia amphibia</i> Grun.	7 12 14 9 8	2 4 2 3 4	4 1 4 4 3
<i>Nitzschia angularis</i> W. Sm.	8 4 3 3 4	2 1 1 1 1	1 4 2 1 3
<i>Nitzschia angustata</i> (W. Sm.) Grun.	8 12 14 9 8	2 4 9 5 4	0 1 2 5 3
<i>Nitzschia angustata</i> var. <i>minuta</i> Krasske, N. <i>vexans</i> Grun. sensu Hustede (1957)	8 10 12 7 10	3 4 2 5 0	0 1 2 0 3
<i>Nitzschia angusteforaminata</i> Lange-Bertalot	8 12 14 9 0	0 0 2 0 2	0 1 2 0 4
<i>Nitzschia apiculata</i> (Greg.) Grun.	8 8 5 4 7	2 4 2 0 4	3 4 3 4 3
<i>Nitzschia bilobata</i> W. Sm.	8 8 5 4 6	2 4 2 0 0	0 0 3 0 2
<i>Nitzschia brevissima</i> Grun.	8 10 9 6 10	2 5 2 0 6	3 1 3 4 3
<i>Nitzschia brittonii</i> Hagelstein	6 2 2 2 3	3 1 1 1 1	1 0 2 1 3

<i>Nitzschia capitellata</i> Hust. + <i>N. tubicola</i> Grun.																					
7 9 9 5 11	2	5	2	2	2							0	1	3	0	3					
<i>Nitzschia capitellata</i> var. <i>tenuirostris</i> / <i>N. subcapitellata</i> Hust.												0	0	3	0	3					
8 8 5 0 7	2	4	0	0	2							0	0	3	0	3					
<i>Nitzschia circumsuta</i> (Bailey) Grun.																					
8 8 5 4 6	2	4	2	0	0							0	0	3	0	2					
<i>Nitzschia clausii</i> Hantzsch																					
8 8 5 4 6	2	4	2	0	4							2	0	3	0	3					
<i>Nitzschia coarctata</i> Grun.																					
8 5 3 3 3	2	1	1	1	1							1	0	2	1	3					
<i>Nitzschia communis</i> Rabenh.																					
7 12 14 9 10	3	4	0	2	2							3	1	4	4	4					
<i>Nitzschia commutata</i> Grun.																					
8 8 7 4 6	2	5	2	0	6							3	0	3	4	3					
<i>Nitzschia compressa</i> (Bailey) Boyer																					
8 6 5 4 7	2	1	1	1	1							1	4	2	1	2					
<i>Nitzschia constricta</i> (Greg.) Grun.																					
8 5 3 3 4	2	1	1	1	1							1	4	2	1	3					
<i>Nitzschia creticola</i> Østr.																					
8 10 9 5 10	3	4	0	5	0							2	1	3	0	3					
<i>Nitzschia cucumis</i> König																					
8 0 0 0 0	0	0	0	0	0							0	0	2	0	3					
<i>Nitzschia cylindrus</i> (Grun.) Hasle																					
3 2 2 2 4	2	1	1	1	1							1	0	2	1	3					
<i>Nitzschia debilis</i> (Arnott) Grun.																					
8 10 12 7 10	3	4	2	5	0							0	1	5	4	4					
<i>Nitzschia disputata</i> Carter																					
8 13 15 10 9	4	7	0	5	0							0	1	3	0	4					
<i>Nitzschia dissipata</i> (Kütz.) Grun.																					
8 12 14 9 10	3	4	3	5	5							2	1	3	4	3					
<i>Nitzschia dissipatoides</i> Archibald																					
8 0 3 3 3	2	1	1	1	1							1	0	2	1	4					
<i>Nitzschia distans</i> Greg.																					
8 2 2 2 3	3	1	1	1	1							1	4	2	1	3					
<i>Nitzschia dubia</i> W. Sm.																					
8 9 9 5 11	2	5	2	0	2							3	0	3	4	3					
<i>Nitzschia dubia</i> var. <i>latestriata</i> Østrup																					
8 10 12 7 0	0	0	2	0	0							0	1	3	0	3					
<i>Nitzschia elegantula</i> Grun.																					
7 9 9 5 6	2	5	0	0	0							0	0	3	0	3					
<i>Nitzschia epithemoides</i> Grun.																					
8 6 5 4 7	2	1	1	1	1							1	0	2	1	4					
<i>Nitzschia fasciculata</i> (Grun.) Grun.																					
8 7 6 4 6	2	1	1	1	1							1	0	2	1	3					
<i>Nitzschia filiformis</i> (W. Sm.) V. H.																					
7 8 5 4 6	2	4	2	3	4							4	0	3	0	3					
<i>Nitzschia fonticola</i> Grun.																					
8 12 14 9 9	4	4	2	0	6							3	1	3	4	3					
<i>Nitzschia frustulum</i> (Kütz.) Grun.																					
7 9 12 7 8	2	4	2	2	6							4	1	4	4	3					
<i>Nitzschia fruticosa</i> Hust.																					
2 12 14 9 9	4	6	2	0	5							3	1	2	0	4					
<i>Nitzschia gracilis</i> Hantzsch																					
3 13 14 9 11	2	11	9	0	6							2	1	2	4	3					
<i>Nitzschia granulata</i> Grun.																					
8 5 5 4 7	2	1	1	1	1							1	0	2	1	2					
<i>Nitzschia grunowii</i> (Cl.) Hasle																					
2 2 2 2 0	0	1	1	1	1							1	1	2	1	4					
<i>Nitzschia hantzschiana</i> Rabenh.																					
8 14 15 10 9	4	7	0	0	6							2	1	3	4	3					
<i>Nitzschia heufleriana</i> Grun.																					
8 12 14 9 9	4	4	2	0	6							0	1	2	3	3					
<i>Nitzschia hierosolymitana</i> D.G. Mann																					
8 12 14 9 0	0	0	0	5	0							0	1	5	0	4					

<i>Nitzschia homburgiensis</i>	Lange-Bertalot	8 13 15 10 9 4 6 4 5 6	0 1 2 0 3
<i>Nitzschia hungarica</i>	Grun.	8 9 5 4 7 2 4 2 0 4	4 1 3 4 3
<i>Nitzschia hustedtiana</i>	Salah	8 7 5 4 6 2 1 1 1 1	1 0 2 1 3
<i>Nitzschia hybrida</i>	Grun.	8 6 5 4 6 2 1 1 1 1	1 0 2 1 3
<i>Nitzschia incrassata</i>	Grun.	8 0 3 3 0 2 1 1 1 1	1 0 2 1 3
<i>Nitzschia incurva</i>	Grun.	8 7 5 4 6 2 1 1 1 1	1 0 2 1 3
<i>Nitzschia incurva</i>	var. <i>lorenziana</i> (Grun.) Ross	8 7 5 4 7 2 1 1 1 1	1 0 2 1 3
<i>Nitzschia intermedia</i>	Hantzsch	5 12 14 9 9 4 5 2 2 5	0 1 2 0 3
<i>Nitzschia kerguelensis</i>	(O'Meara) Hasle	2 2 2 2 0 0 1 1 1 1	1 1 2 1 3
<i>Nitzschia laevis</i>	Hust.	8 8 5 4 7 2 4 2 0 0	0 0 3 0 4
<i>Nitzschia lanceolata</i>	W. Sm.	7 8 5 4 7 2 4 2 0 0	0 0 3 0 3
<i>Nitzschia levidensis</i>	(W. Sm.) Grun.	8 10 9 5 10 2 5 2 5 4	3 1 3 4 3
<i>Nitzschia levidensis</i>	var. <i>vicariae</i> (Grun.) Cholnoky	8 10 12 7 10 2 4 2 5 4	0 1 3 0 2
<i>Nitzschia linearis</i>	(Ag.) W. Sm.	8 13 14 9 10 4 5 3 5 5	2 1 3 3 3
<i>Nitzschia linkei</i>	Hust.	8 6 6 4 6 2 1 1 1 1	1 0 2 1 3
<i>Nitzschia littoralis</i>	Grun.	8 9 9 5 6 2 4 2 5 0	3 0 3 0 3
<i>Nitzschia littoralis</i>	var. <i>tergestina</i> Grun.	8 9 9 5 6 2 4 2 5 0	0 0 3 0 2
<i>Nitzschia microcephala</i>	Grun.	8 10 12 7 11 2 3 2 2 4	3 1 3 4 4
<i>Nitzschia nana</i>	Grun.	8 10 9 5 6 2 5 0 0 6	0 0 4 0 3
<i>Nitzschia navicularis</i>	(Bréb.) Grun.	8 7 5 4 6 2 1 1 1 1	1 4 2 1 3
<i>Nitzschia normannii</i>	Grun.	8 0 3 3 0 2 1 1 1 1	1 0 2 1 3
<i>Nitzschia obtusa</i>	W. Sm.	8 8 5 4 6 2 4 2 5 0	0 0 3 0 3
<i>Nitzschia palea</i>	(Kütz.) W. Sm.	7 12 14 9 8 2 5 2 2 2	3 1 4 4 3
<i>Nitzschia palea</i>	var. <i>debilis</i> (Kütz.) Grun.	7 12 14 9 8 2 0 0 0 0	0 1 3 0 4
<i>Nitzschia palea</i>	var. <i>tenuirostris</i> sensu Lange-Bertalot (1977)	7 12 14 9 0 0 5 2 2 0	0 1 2 0 3
<i>Nitzschia paleacea</i>	Grun.	7 12 14 9 10 3 5 3 0 3	3 1 3 4 4
<i>Nitzschia palustris</i>	Hust.	8 14 14 9 9 4 7 0 5 8	0 1 4 0 3
<i>Nitzschia panduriformis</i>	Greg.	8 3 2 2 4 2 1 1 1 1	1 4 2 1 3
<i>Nitzschia pellucida</i>	Grun.	8 0 3 3 0 2 1 1 1 1	1 0 2 1 3
<i>Nitzschia perversa</i>	Grun.	8 6 6 4 6 2 1 1 1 1	1 0 2 1 3
<i>Nitzschia recta</i>	Hantzsch	7 13 14 9 9 4 4 9 5 6	2 1 2 4 3
<i>Nitzschia rosenstockii</i>	Lange-Bertalot	8 9 9 5 0 2 0 0 0 0	0 1 2 0 4

<b>Nitzschia ruda</b>	Cholnoky	8 0 0 0 0	0 0 0 0 0	0 0 2 0 4	
<b>Nitzschia scalaris</b>	(Ehr.) W. Sm.	8 9 5 4 6	2 4 2 0 0	0 1 2 0 2	
<b>Nitzschia scalpelliformis</b>	(Grun.) Grun.	8 7 5 4 7	2 1 1 1 1	1 0 2 1 3	
<b>Nitzschia sigma</b>	(Kütz.) W. Sm.	8 7 5 4 7	2 4 2 0 4	3 4 3 0 3	
<b>Nitzschia sigma</b>	var. <b>sigmatella</b>	Grun.	8 0 5 4 6	2 4 2 0 0	0 0 3 0 3
<b>Nitzschia sigmaeoides</b>	(Nitzsch)	W. Sm.	8 12 14 9 10	3 4 3 5 5	4 1 3 4 2
<b>Nitzschia silicula</b>	Hust.	8 0 0 0 0	0 0 0 0 0	0 0 2 0 3	
<b>Nitzschia sinuata</b>	(Thwaites)	Grun.	7 12 14 9 9	4 4 0 5 5	2 1 3 4 3
<b>Nitzschia sinuata</b>	var. <b>delegnei</b>	(Grun.) Lange-Bertalot	8 12 14 9 9	4 4 0 5 5	0 1 3 3 3
<b>Nitzschia socialis</b>	Greg.	6 2 2 2 3	2 1 1 1 1	1 0 2 1 3	
<b>Nitzschia spathulata</b>	Bréb.	8 3 2 2 3	2 1 1 1 1	1 4 2 1 3	
<b>Nitzschia steenbergensis</b>	Giffen	8 0 0 0 0	0 0 0 0 0	0 0 2 0 3	
<b>Nitzschia supralitorea</b>	Lange-Bertalot	8 12 14 9 9	4 2 0 0 4	0 1 3 0 3	
<b>Nitzschia terrestris</b>	(Petersen) Hust.	8 12 14 9 9	4 6 0 5 0	2 1 4 0 3	
<b>Nitzschia thermaloides</b>	Hust.	8 8 5 4 0	2 4 2 0 0	0 0 3 0 3	
<b>Nitzschia tryblionella</b>	Hantzsch	8 10 9 5 11	2 4 2 5 4	3 4 3 4 2	
<b>Nitzschia umbonata</b>	(Ehr.) Lange-Bertalot	8 11 13 8 10	3 5 2 2 2	4 1 3 5 3	
<b>Nitzschia vermicularis</b>	(Kütz.) Hantzsch	8 12 14 9 9	4 4 3 5 6	0 1 3 4 3	
<b>Nitzschia vitrea</b>	Norman	8 8 5 4 7	2 4 2 5 0	0 0 3 5 3	
<b>Nitzschia vitrea</b>	var. <b>salinarum</b>	Grun.	8 8 5 4 7	2 4 2 5 0	0 0 4 0 3
<b>Nitzschia vitrea</b>	var. <b>scaphiformis</b>	Wisł. & Poretz.	8 8 5 4 7	2 4 2 5 0	0 0 3 0 3
<b>Odontella aurita</b>	(Lyngb.) Ag.	5 2 2 2 3	2 1 1 1 1	1 4 2 1 3	
<b>Odontella granulata</b>	(Roper) Ross	3 2 2 2 3	3 1 1 1 1	1 0 2 1 2	
<b>Odontella mobiliensis</b>	(Bailey) Grun.	3 2 2 2 3	2 1 1 1 1	1 0 2 1 3	
<b>Odontella obtusa</b>	Kütz.	3 2 2 2 3	2 1 1 1 1	1 4 2 1 3	
<b>Odontella regia</b>	(Schultze) Simonsen	2 2 2 2 4	2 1 1 1 1	1 1 2 1 3	
<b>Odontella rhombus</b>	(Ehr.) Kütz.	3 2 2 2 4	2 1 1 1 1	1 4 2 1 2	
<b>Oestrupia zachariasii</b>	(Reichelt) Hust.	8 12 14 9 9	4 4 0 5 0	0 1 2 0 3	
<b>Opephora marina</b>	(Greg.) Petit + var. <b>minuta</b>	Cl.-E. + <b>O. pacifica</b> (Grun.) Petit	6 4 2 2 5	2 1 1 1 1	1 4 2 1 3
<b>Opephora martyi</b>	Hérib.	6 12 14 9 0	0 4 3 5 8	0 1 2 5 3	
<b>Opephora olsenii</b>	Möller	6 7 5 4 6	2 1 1 1 1	1 0 2 1 3	
<b>Opephora parva</b>	(Grun.) Krasske	6 5 3 3 4	2 1 1 1 1	1 0 2 1 3	

<b>Opephora schwartzii</b> (Grun.) Petit	6 2 2 2 4	2 1 1 1 1	1 0 2 1 2
<b>Opephora schulzii</b> (Brockmann) Simonsen	6 7 5 4 6	2 1 1 1 1	1 4 2 1 3
<b>Orthosira epidendron</b> (Ehr.) Round, Crawford & Mann	8 12 14 9 0	3 5 0 5 8	2 1 5 4 3
<b>Paralia ornata</b> Grun.	0 2 2 2 0	0 1 1 1 1	1 0 2 0 2
<b>Paralia sulcata</b> (Ehr.) Cl.	5 3 2 2 4	2 1 1 1 1	1 4 2 1 2
<b>Peronia fibula</b> (Bréb.) Ross	6 14 16 11 12	4 8 6 5 9	2 1 3 0 3
<b>Pinnularia acoricola</b> Hust.	8 12 14 9 9	4 8 0 5 8	4 1 4 4 3
<b>Pinnularia acrosphaeria</b> Rabenh.	8 13 14 9 9	4 6 7 5 8	3 1 3 4 2
<b>Pinnularia aestuarii</b> Cl.	8 9 9 5 0	0 4 0 5 0	0 1 2 0 2
<b>Pinnularia ambigua</b> Cl.	8 4 2 2 4	2 1 1 1 1	1 4 2 1 3
<b>Pinnularia appendiculata</b> (Ag.) Cl.	8 14 16 11 12	4 7 6 5 8	4 1 4 4 3
<b>Pinnularia appendiculata</b> 'var.' <i>irrorata</i> Grun.	8 13 15 10 12	4 8 7 5 9	2 1 5 4 3
<b>Pinnularia borealis</b> Ehr.	8 12 14 9 9	4 8 4 5 8	0 1 5 4 3
<b>Pinnularia brauniana</b> (Grun.) Cl.	8 13 15 10 12	4 8 7 5 8	0 1 2 4 3
<b>Pinnularia brauniana</b> var. <i>amphicephala</i> (Mayer) Hust.	8 13 15 10 12	4 7 7 5 8	0 1 2 4 3
<b>Pinnularia brevicostata</b> Cl.	8 13 15 10 12	4 7 7 5 8	0 1 3 4 3
<b>Pinnularia cardinalis</b> (Ehr.) W. Sm.	8 13 15 10 12	4 8 7 5 8	0 1 2 0 2
<b>Pinnularia cruciformis</b> (Donk.) Cl.	8 3 2 2 3	2 1 1 1 1	1 4 2 1 3
<b>Pinnularia dactylus</b> Ehr.	8 13 15 10 9	4 7 6 5 0	4 1 2 0 2
<b>Pinnularia divergens</b> W. Sm.	8 14 16 11 12	4 7 6 5 9	0 1 3 0 2
<b>Pinnularia divergentissima</b> (Grun.) Cl.	8 14 16 11 12	4 8 6 5 0	0 1 4 0 3
<b>Pinnularia ergadensis</b> Greg.	8 2 2 2 3	3 1 1 1 1	1 0 2 1 2
<b>Pinnularia gentilis</b> (Donk.) Cl.	8 13 14 9 9	4 7 6 5 8	0 1 3 5 2
<b>Pinnularia gibba</b> Ehr.	8 13 14 9 9	4 7 9 5 4	4 1 3 4 3
<b>Pinnularia gibba</b> var. <i>linearis</i> Hust.	8 13 14 9 9	4 7 10 5 4	4 1 3 4 3
<b>Pinnularia gibba</b> var. <i>mesongyla</i> (Ehr.) Hust.	8 13 14 9 9	4 7 9 5 0	4 1 3 0 3
<b>Pinnularia globiceps</b> Greg.	8 11 13 8 10	3 4 0 5 0	0 1 3 0 3
<b>Pinnularia hemiptera</b> (Kütz.) Rabenh.	8 13 15 10 12	4 7 6 5 9	2 1 4 0 2
<b>Pinnularia intermedia</b> (Lagerst.) Cl.	8 14 15 10 12	4 7 9 5 9	0 1 5 4 3
<b>Pinnularia interrupta</b> W. Sm.	8 12 14 9 9	4 7 6 5 8	3 1 4 4 3
<b>Pinnularia krockii</b> (Grun.) Cl.	8 10 12 7 10	2 4 0 5 8	0 1 3 0 3
<b>Pinnularia lagerstedtii</b> (Cl.) Cl.-E.	8 13 15 10 12	4 6 6 5 9	0 1 4 0 3

<i>Pinnularia lata</i> (Bréb.) W. Sm.	8 14 16 11 12	4 8 6 5 9	2 1 5 0 2
<i>Pinnularia legumen</i> (Ehr.) Ehr. + <i>P. subsolaris</i> (Grun.) Cl.	8 14 15 10 12	4 7 6 5 9	0 1 3 0 2
<i>Pinnularia lundii</i> Hust.	8 11 13 8 10	3 5 0 5 0	0 1 2 0 3
<i>Pinnularia major</i> (Kütz.) W. Sm.	8 12 14 9 9	3 7 10 5 6	2 1 3 4 2
<i>Pinnularia microstauron</i> (Ehr.) Cl.	8 13 14 9 9	4 7 6 5 8	3 1 4 4 3
<i>Pinnularia microstauron</i> var. <i>brebissonii</i> (Kütz.) Mayer	8 12 14 9 9	4 6 0 5 3	3 1 4 4 3
<i>Pinnularia nobilis</i> (Ehr.) Ehr.	8 14 15 10 12	4 8 7 5 8	0 1 3 4 2
<i>Pinnularia nodosa</i> (Ehr.) W. Sm.	8 14 15 10 12	4 7 7 5 8	0 1 3 4 3
<i>Pinnularia obscura</i> Krasske	8 13 14 9 9	4 7 0 5 7	2 1 5 4 3
<i>Pinnularia pulchra</i> Østr.	8 14 14 9 9	4 7 6 5 0	0 1 3 0 3
<i>Pinnularia pulchra</i> var. <i>angusta</i> (Cl.) Krammer	8 14 15 10 12	4 7 6 5 0	0 1 3 4 3
<i>Pinnularia rectangulata</i> (Greg.) Rabenh.	8 2 2 2 3	3 1 1 1 1	1 4 2 1 2
<i>Pinnularia schroederii</i> (Hust.) Cholnoky	8 12 14 9 9	3 11 0 5 8	0 1 4 4 3
<i>Pinnularia similis</i> Hust.	8 14 15 10 12	4 7 6 5 0	0 1 4 0 3
<i>Pinnularia stauntonii</i> (Grun.) Cl.	8 2 2 2 0	0 1 1 1 1	1 0 2 1 2
<i>Pinnularia stomatophora</i> (Grun.) Cl.	8 14 16 11 12	4 7 6 5 9	2 1 3 4 2
<i>Pinnularia streptoraphe</i> Cl. var. <i>minor</i> (Cl.) Cl.	8 14 16 11 12	4 8 7 5 9	0 1 3 0 2
<i>Pinnularia subcapitata</i> Greg.	8 14 14 9 9	4 8 7 5 8	3 1 4 4 3
<i>Pinnularia subcapitata</i> var. <i>hilseana</i> (Janisch) Müll.	8 14 16 11 12	4 8 7 5 8	3 1 4 4 3
<i>Pinnularia subrostrata</i> (Cl.) Cl.-E.	8 14 16 11 12	4 8 7 5 9	0 1 3 0 3
<i>Pinnularia sudetica</i> (Hilse) M. Perag.	8 14 14 9 9	4 7 6 5 8	0 1 4 4 3
<i>Pinnularia trevelyanæ</i> (Donk.) Rabenh.	8 2 2 2 3	3 1 1 1 1	1 4 2 1 2
<i>Pinnularia viridis</i> (Nitzsch) Ehr.	8 12 14 9 10	3 6 4 5 4	3 1 4 4 2
<i>Plagiogramma laeve</i> (Greg.) Ralfs	6 2 2 2 3	3 1 1 1 1	1 0 2 1 4
<i>Plagiogramma minimum</i> Salah	6 0 5 4 0	2 1 1 1 1	1 0 2 1 4
<i>Plagiogramma parallelum</i> Salah	6 0 5 4 0	2 1 1 1 1	1 0 2 1 4
<i>Plagiogramma pygmaeum</i> Grev.	6 2 2 2 0	0 1 1 1 1	1 0 2 1 2
<i>Plagiogramma sigmoideum</i> Salah	6 0 5 4 0	2 1 1 1 1	1 0 2 1 4
<i>Plagiogramma staurophorum</i> (Greg.) Heiberg	6 3 2 2 3	2 1 1 1 1	1 4 2 1 2
<i>Plagiogrammopsis vanheurckii</i> (Grun.) Hasle, von Stosch & Syvertsen	3 2 2 2 0	0 1 1 1 1	1 0 2 1 4
<i>Pleurosigma aestuarii</i> (Bréb.) W. Sm.	8 4 5 5 4	2 1 1 1 1	1 2 2 1 4
<i>Pleurosigma angulatum</i> (Quekett) W. Sm.	8 4 2 2 5	2 1 1 1 1	1 2 2 1 4

<b>Pleurosigma clevei</b> Grun.	8 0 2 2 0	0 1 1 1 1	1 0 2 1 4
<b>Pleurosigma elongatum</b> W. Sm.	4 7 5 4 7	2 1 1 1 1	1 0 2 1 4
<b>Pleurosigma formosum</b> W. Sm.	8 2 2 2 3	3 1 1 1 1	1 0 2 1 3
<b>Pleurosigma marinum</b> Donk.	8 2 2 2 3	3 1 1 1 1	1 4 2 1 3
<b>Pleurosigma normanii</b> Ralfs	8 2 2 2 3	2 1 1 1 1	1 4 2 1 3
<b>Pleurosira laevis</b> (Ehr.) Compère	3 9 7 4 7	2 2 2 5 8	0 1 3 0 3
<b>Pleurosira laevis</b> f. <i>polymorpha</i> Compère	3 4 3 3 3	2 1 1 1 1	1 0 2 1 3
<b>Podosira hormoides</b> (Mont.) Kütz.	3 3 2 2 3	2 1 1 1 1	1 4 2 1 3
<b>Podosira montagnei</b> Kütz.	3 4 2 2 3	2 1 1 1 1	1 4 2 1 2
<b>Podosira stelligera</b> (Bailey) A. Mann	3 2 2 2 4	2 1 1 1 1	1 4 2 1 2
<b>Progonoia musca</b> (Greg.) Schrader	8 2 2 2 0	0 1 1 1 1	1 0 2 1 2
<b>Psammodiscus nitidus</b> (Greg.) Round & Mann	3 2 2 2 3	2 1 1 1 1	1 0 2 1 3
<b>Pseudopodosira westii</b> (W. Sm.) Sheshukova-Poretskaya	4 3 3 3 5	2 1 1 1 1	1 0 2 1 2
<b>Rhabdonema adriaticum</b> Kütz.	6 2 2 2 3	3 1 1 1 1	1 6 2 1 2
<b>Rhabdonema arcuatum</b> (Lyngb.) Kütz.	6 2 2 2 4	2 1 1 1 1	1 4 2 1 2
<b>Rhabdonema crassum</b> Hendey	6 2 2 2 0	0 1 1 1 1	1 0 2 1 3
<b>Rhabdonema minutum</b> Kütz.	6 2 2 2 3	2 1 1 1 1	1 4 2 1 2
<b>Rhaphoneis amphiceros</b> Ehr.	6 4 2 2 3	2 1 1 1 1	1 2 2 1 3
<b>Rhaphoneis minutissima</b> Hust.	6 4 2 2 3	2 1 1 1 1	1 0 2 1 3
<b>Rhaphoneis nitida</b> (Greg.) Grun.	6 2 2 2 3	3 1 1 1 1	1 0 2 1 2
<b>Rhizosolenia calcar-avis</b> Schultze	2 2 2 2 0	0 1 1 1 1	1 1 2 1 2
<b>Rhizosolenia hebetata</b> Bailey f. <i>hiemalis</i> Gran	2 2 2 2 3	3 1 1 1 1	1 1 2 1 3
<b>Rhizosolenia hebetata</b> f. <i>semispina</i> (Hensen) Gran	2 2 2 2 3	3 1 1 1 1	1 1 2 1 3
<b>Rhizosolenia imbricata</b> Brightw.	2 2 2 2 0	0 1 1 1 1	1 1 2 1 3
<b>Rhizosolenia setigera</b> Brightw.	2 2 2 2 3	2 1 1 1 1	1 1 2 1 3
<b>Rhizosolenia shrubsolei</b> Cl.	2 2 2 2 4	2 1 1 1 1	1 1 2 1 3
<b>Rhoicosphenia abbreviata</b> (Ag.) Lange-Bertalot	6 11 13 8 8	2 4 2 5 4	2 1 3 3 3
<b>Rhoicosphenia marina</b> M. Schmidt	6 4 2 2 3	3 1 1 1 1	1 4 2 1 3
<b>Rhoicosphenia pullus</b> M. Schmidt	6 4 2 2 3	3 1 1 1 1	1 0 2 1 3
<b>Rhopalodia acuminata</b> Krammer	6 8 5 4 7	2 2 2 5 0	0 4 2 0 3
<b>Rhopalodia brebissonii</b> Krammer	6 9 8 5 7	2 4 0 5 0	0 0 3 0 3
<b>Rhopalodia constricta</b> Krammer	6 8 5 4 6	2 4 2 5 0	4 4 2 0 3

<b>Rhopalodia constricta</b> + <b>R. musculus</b> (Kütz.) Müller													
6 8 5 4 7	2	4	2	5	0	4	4	4	2	0	3		
<b>Rhopalodia dubia</b> (H. & M. Perag.) Paddock & Sims													
8 4 3 3 3	2	1	1	1	1	1	0	2	1	3			
<b>Rhopalodia gibba</b> (Ehr.) Müll. + var. <b>ventricosa</b> (Kütz.) H. & M. Perag.													
6 12 14 9 11	2	4	2	5	6	4	1	3	4	3			
<b>Roperia tesselata</b> (Roper) Grun.													
2 2 2 2 0	0	1	1	1	1	1	1	2	1	3			
<b>Sceptroneis caduceus</b> Ehr.													
6 0 2 2 0	0	1	1	1	1	1	0	2	1	3			
<b>Scoliopleura brunkseiensis</b> Hendey													
8 6 5 4 6	2	1	1	1	1	1	0	2	1	3			
<b>Scoliopleura tumida</b> (Bréb.) Rabenb.													
8 6 5 4 6	2	1	1	1	1	1	1	2	1	2			
<b>Scoliotropis latestriata</b> (Bréb.) Cl.													
8 2 2 2 3	2	1	1	1	1	1	1	4	2	1	3		
<b>Skeletonema costatum</b> (Grev.) Cl.													
4 4 3 3 5	2	1	1	1	1	1	0	2	1	4			
<b>Stauroneis acuta</b> W. Sm.													
8 13 14 9 9	4	4	9	5	8	0	1	3	4	2			
<b>Stauroneis africana</b> Cl.													
8 7 5 4 6	2	1	1	1	1	1	0	2	1	3			
<b>Stauroneis agrestis</b> Petersen													
8 12 14 9 0	0	6	0	5	0	0	1	4	0	4			
<b>Stauroneis amphioxys</b> Greg.													
8 6 5 4 7	2	1	1	1	1	1	0	2	1	3			
<b>Stauroneis amphioxys</b> var. <b>obtusa</b> Hendey													
8 6 5 4 7	2	1	1	1	1	1	0	2	1	3			
<b>Stauroneis anceps</b> Ehr.													
8 13 14 9 9	4	6	9	5	6	3	1	4	4	3			
<b>Stauroneis anceps</b> f. <b>gracilis</b> Rabenb.													
8 13 14 9 9	4	7	9	5	0	3	1	4	4	3			
<b>Stauroneis borrichii</b> (Petersen) Lund													
8 12 14 9 9	4	6	0	5	9	2	1	5	0	3			
<b>Stauroneis dahomensis</b> Hust.													
8 13 14 9 9	4	6	0	5	8	0	1	3	0	3			
<b>Stauroneis dubitabilis</b> Hust.													
8 6 5 4 7	2	1	1	1	1	1	0	2	1	3			
<b>Stauroneis elata</b> Hust.													
8 0 5 4 0	2	1	1	1	1	1	0	2	1	4			
<b>Stauroneis lauenburgiana</b> Hust.													
8 12 14 9 0	0	4	0	5	9	0	1	2	0	3			
<b>Stauroneis legumen</b> (Ehr.) Kütz.													
8 12 14 9 10	3	5	2	5	9	0	1	3	4	3			
<b>Stauroneis lundii</b> Hust.													
8 12 14 9 9	4	6	0	5	0	2	1	4	0	3			
<b>Stauroneis muriella</b> Lund													
8 12 14 9 9	4	0	0	5	0	0	1	5	0	3			
<b>Stauroneis obtusa</b> Lagerst.													
8 13 14 9 9	4	8	0	5	0	2	1	4	4	3			
<b>Stauroneis phoenicenteron</b> (Nitzsch) Ehr.													
8 12 14 9 10	3	6	9	5	4	4	1	3	4	2			
<b>Stauroneis prominula</b> (Grun.) Hust.													
8 12 14 9 10	3	5	0	5	0	0	1	3	4	3			
<b>Stauroneis rossii</b> Hendey													
8 0 2 2 0	0	1	1	1	1	1	0	2	1	4			
<b>Stauroneis salina</b> W. Sm.													
8 5 3 3 4	2	1	1	1	1	1	4	2	1	3	4	3	
<b>Stauroneis smithii</b> Grun.													
8 12 14 9 10	3	4	2	5	0	2	1	3	4	3			
<b>Stauroneis spicula</b> Hickie													
8 6 5 4 6	2	1	1	1	1	1	0	2	1	3			
<b>Stauroneis tackei</b> (Hust.) Krammer & Lange-Bertalot													
8 12 14 9 0	0	0	0	5	0	0	1	3	0	3			

<b>Stauroneis thermicola</b> (Petersen)	Lund														
8 12 14 9 9		4	7	6	5	9				2	1	5	4	3	
<b>Stauroneis wislouchii</b> Poretz.	& Anisimova									0	4	2	0	3	
8 0 5 4 6		2	0	0	5	0									
<b>Stephanodiscus hantzschii</b> Grun.															
2 12 14 9 10		3	3	2	3	2				3	1	2	4	4	
<b>Stephanodiscus rotula</b> (Kütz.) Hendey															
2 12 14 9 9		3	3	2	5	6				0	1	2	4	3	
<b>Stephanodiscus rotula</b> var. <b>minutula</b> (Kütz.) Ross & Sims										0	1	3	4	3	
2 12 14 9 9		4	3	2	0	0									
<b>Stephanopyxis turris</b> (Grev. & Arnott) Ralfs															
2 2 2 2 2		4	1	1	1	1				1	1	2	1	2	
<b>Striatella delicatula</b> (Kütz.) Grun.															
6 2 2 2 3		2	1	1	1	1				1	6	2	1	4	
<b>Surirella amphioxys</b> W. Sm.															
8 9 12 7 10		3	6	2	5	6				4	1	3	4	3	
<b>Surirella angusta</b> Kütz.										0	1	4	4	3	
8 12 14 9 9		4	4	9	5	4									
<b>Surirella atomus</b> Hust.															
8 0 5 4 6		2	1	1	1	1				1	0	2	1	4	
<b>Surirella biseriata</b> Bréb.															
8 12 14 9 9		4	4	2	5	6				4	1	2	5	2	
<b>Surirella brebissonii</b> Krammer & Lange-Bertalot var. <b>kuetzingii</b> Krammer & Lange-Bertalot															
8 11 13 8 8		2	4	2	5	4				4	1	4	4	3	
<b>Surirella brightwellii</b> W. Sm. var. <b>baltica</b> (Schumann) Krammer										0	0	3	0	3	
8 0 7 4 0		2	4	2	5	0									
<b>Surirella comis</b> A. Schmidt															
8 2 2 2 0		0	1	1	1	1				1	0	2	1	2	
<b>Surirella crumena</b> Bréb.															
8 10 12 7 10		3	4	2	5	0				3	1	3	0	3	
<b>Surirella fastuosa</b> Ehr.										1	0	2	1	2	
8 3 3 3 3		2	1	1	1	1									
<b>Surirella gemma</b> Ehr.															
8 6 6 4 6		2	1	1	1	1				1	4	2	1	4	
<b>Surirella hispida</b> Ross & Abdin															
8 0 5 4 6		2	1	1	1	1				1	0	2	1	3	
<b>Surirella linearis</b> W. Sm.															
8 12 14 9 9		4	7	5	5	6				4	1	3	4	3	
<b>Surirella linearis</b> var. <b>helvetica</b> (Brun) Meister										0	1	3	4	3	
8 12 14 9 9		4	6	5	5	0									
<b>Surirella minima</b> Ross & Abdin															
8 0 5 4 6		2	1	1	1	1				1	0	2	1	4	
<b>Surirella minutula</b> Bréb.															
8 12 14 9 10		3	4	2	5	0				4	1	3	4	3	
<b>Surirella ovalis</b> Bréb.															
8 8 5 4 7		2	4	2	5	4				4	4	3	4	3	
<b>Surirella recedens</b> A. Schmidt															
8 0 3 3 0		2	1	1	1	1				1	0	2	1	3	
<b>Surirella robusta</b> Ehr.															
8 12 14 9 9		4	6	9	5	0				4	1	2	5	2	
<b>Surirella striatula</b> Turpin										0	0	3	0	3	
8 8 7 4 6		2	4	2	5	0									
<b>Surirella tenera</b> Greg.															
8 12 14 9 9		4	4	9	5	6				4	1	2	5	2	
<b>Surirella venusta</b> Østrup															
8 0 0 0 0		0	0	0	0	0				0	0	2	0	3	
<b>Synedra acus</b> Kütz.															
3 12 14 9 9		4	4	3	5	4				3	1	2	4	4	
<b>Synedra capitata</b> Ehr.															
6 12 14 9 9		4	4	3	5	6				0	1	2	5	3	
<b>Synedra crystallina</b> (Ag.) Kütz.															
6 4 3 3 4		2	1	1	1	1				1	6	2	1	3	
<b>Synedra fasciculata</b> (Ag.) Kütz. + var. <b>truncata</b> (Grev.) Patr.										0	4	3	4	3	
6 8 5 4 7		2	4	2	5	6									

<b>Synedra gaillonii</b> (Bory) Ehr.	6 4 3 3 5	2 1 1 1 1	1 4 2 1 3
<b>Synedra hyperborea</b> Grun.	6 0 2 2 0	0 1 1 1 1	1 0 2 1 4
<b>Synedra investiens</b> W. Sm.	6 4 2 2 3	2 1 1 1 1	1 0 2 1 3
<b>Synedra laevigata</b> Grun. var. <b>hyalina</b> Grun.	6 0 2 2 0	2 1 1 1 1	1 0 2 1 4
<b>Synedra parasitica</b> (W. Sm.) Hust.	6 12 14 9 9	4 4 3 5 4	0 1 2 4 3
<b>Synedra parasitica</b> var. <b>subconstricta</b> (Grun.) Hust.	6 12 14 9 9	4 4 3 5 4	0 1 2 4 3
<b>Synedra pulchella</b> Ralfs	6 9 5 4 7	2 4 2 5 4	0 4 4 4 3
<b>Synedra pulchella</b> var. <b>naviculacea</b> Grun.	6 9 5 4 7	2 4 2 5 4	0 4 4 4 3
<b>Synedra ulna</b> (Nitzsch) Ehr. + var. <b>spathulifera</b> (Grun.) V. H.	6 12 14 9 10	3 5 2 5 4	0 1 3 4 3
<b>Synedra ulna</b> var. <b>oxyrhynchus</b> (Kütz.) V. H.	6 12 14 9 10	3 5 2 5 6	0 1 3 4 3
<b>Synedra undulata</b> Bailey	6 2 2 2 3	3 1 1 1 1	1 6 2 1 3
<b>Tabellaria fenestrata</b> (Lyngb.) Kütz.	3 13 14 9 9	4 6 5 5 6	0 1 3 4 3
<b>Tabellaria flocculosa</b> (Roth) Kütz.	3 14 16 11 12	4 8 7 5 8	0 1 3 4 3
<b>Thalassionema nitzschiooides</b> (Grun.) Grun.	2 3 2 2 4	2 1 1 1 1	1 1 2 1 3
<b>Thalassiosira baltica</b> (Grun.) Ostenf.	2 8 5 4 6	2 1 1 1 1	1 1 2 1 3
<b>Thalassiosira bramaputrae</b> (Ehr.) Håkansson & Locker	4 10 7 4 6	2 4 9 5 6	3 0 2 4 3
<b>Thalassiosira decipiens</b> (Grun.) Jørgensen	3 3 3 3 4	2 1 1 1 1	1 0 2 1 3
<b>Thalassiosira eccentrica</b> (Ehr.) Cl.	3 4 2 2 4	2 1 1 1 1	1 0 2 1 3
<b>Thalassiosira eccentrica</b> var. <b>fasciculata</b> (Hust.) Nizamuddin	3 4 3 3 4	2 1 1 1 1	1 0 2 1 3
<b>Thalassiosira gravida</b> Cl.	2 2 2 2 4	2 1 1 1 1	1 1 2 1 3
<b>Thalassiosira leptopa</b> (Grun.) Hasle & Fryxell	4 2 2 2 3	3 1 1 1 1	1 0 2 1 3
<b>Thalassiosira levanderi</b> van Goor	3 8 7 4 0	0 4 2 5 0	0 0 2 0 4
<b>Thalassiosira nordenskioldii</b> Cl.	2 2 2 2 3	3 1 1 1 1	1 1 2 1 4
<b>Thalassiosira oestrupii</b> (Ostenf.) Hasle	2 2 2 2 0	0 1 1 1 1	1 1 2 1 3
<b>Thalassiosira subtilis</b> (Ostenf.) Gran	2 2 2 2 3	3 1 1 1 1	1 1 2 1 4
<b>Thalassiosira weissflogii</b> (Grun.) Fryxell & Hasle	2 10 12 7 7	2 4 0 5 0	0 1 2 4 4
<b>Thalassiothrix frauenfeldii</b> (Grun.) Grun.	2 2 2 2 3	3 1 1 1 1	1 1 2 1 3
<b>Trachyneis antillarum</b> Cl.	8 2 2 2 3	2 1 1 1 1	1 0 2 1 2
<b>Trachyneis aspera</b> (Ehr.) Cl.	8 2 2 2 3	2 1 1 1 1	1 4 2 1 2
<b>Trachysphenia acuminata</b> M. Perag.	6 0 2 2 0	0 1 1 1 1	1 0 2 1 3
<b>Trachysphenia australis</b> Petit	6 5 3 3 4	2 1 1 1 1	1 0 2 1 3
<b>Trachysphenia australis</b> var. <b>rostellata</b> Hust.	6 0 3 3 0	2 1 1 1 1	1 0 2 1 3

<b>Triceratium antediluvianum</b> (Ehr.) Grun.	6 2 2 2 0	3 1 1 1 1	1 0 2 1 2
<b>Triceratium favus</b> Ehr.	4 2 2 2 0	3 1 1 1 1	1 0 2 1 2
<b>Tropidoneis elegans</b> (W. Sm.) Cl.	8 2 2 2 3	3 1 1 1 1	1 0 2 1 3
<b>Tropidoneis lepidoptera</b> (Greg.) Cl.	8 3 2 2 4	2 1 1 1 1	1 4 2 1 3
<b>Tropidoneis pusilla</b> (Greg.) Cl.	8 0 2 2 0	0 1 1 1 1	1 0 2 1 4

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## **Appendix 1: abbreviations used in parts II-VII.**

-biont.: -biontic

-indif.: indifferent

-lob.: -lobous

-neut.: -neutral

-phil.: -philous

-phyt.: -phytic

-saprob.: -saprobic

-troph.: -trophic

-xen.: -xenous

Sopt.: optimal salinity (idem for pH)

Smin., Smax.: minimal and maximal salinity (idem for pH)

AWM: abundance weighted mean

MHW: mean high water

MLW: mean low water

M, B, F: marine, brackish, fresh (cfr. halobion classification of Van der Werff)

? : indicates that the source author expresses doubt

>: more or equal

<: less or equal