Selectie van indicatoren voor oppervlaktewateren

In opdracht van het Milieu- en Natuurplanbureau

# Selectie van indicatoren voor oppervlaktewateren

## Invulling van indicatieve macrofauna, macrofyten en vissen voor Kaderrichtlijn Water typen

**P.F.M. Verdonschot**
**R.C. Nijboer**
**L.W.G. Higler**
**Tj.H. van den Hoek**

**Alterra-rapport 865**

**Alterra, Wageningen, 2003**

REFERAAT

P.F.M. Verdonschot, R.C. Nijboer, L.W.G. Higler & Tj.H. van den Hoek, 2003. *Selectie van indicatoren voor oppervlaktewateren; Invulling van indicatieve macrofauna, macrofyten en vissen voor Kaderrichtlijn Water typen*. Wageningen, Alterra, Alterra-rapport 865. 190 blz. 1 fig.; 18 tab.; 16 ref.

Het Milieu- en Natuurplanbureau (MNP) heeft als taak het monitoren van de toestand en de trend van de Nederlandse natuur. Voor deze monitoring worden indicatoren gebruikt. In dit rapport zijn bestaande indicatoren ge-evalueerd en potentiële nieuwe indicatoren geselecteerd. Om de monitoring in het kader van het werk van het MNP af te stemmen met monitoring voor de Kaderrichtlijn Water zijn de indicatoren ingevuld voor alle watertypen uit de typologie die is opgesteld voor de Kaderrichtlijn Water. De selectie van indicatoren vormt de basis voor het toekomstige monitoringsprogramma.

Trefwoorden: Kaderrichtlijn Water, Indicator, Oppervlaktewater, Macrofauna, Macrofyten, Vissen

ISSN 1566-7197

Dit rapport kunt u bestellen door € 27,- over te maken op banknummer 36 70 54 612 ten name van Alterra, Wageningen, onder vermelding van Alterra-rapport 865. Dit bedrag is inclusief BTW en verzendkosten.

© 2003 Alterra
Postbus 47; 6700 AA Wageningen; Nederland
Tel.: (0317) 474700; fax: (0317) 419000; e-mail: info@alterra.nl

Niets uit deze uitgave mag worden verveelvoudigd en/of openbaar gemaakt door middel van druk, fotokopie, microfilm of op welke andere wijze ook zonder voorafgaande schriftelijke toestemming van Alterra.

Alterra aanvaardt geen aansprakelijkheid voor eventuele schade voortvloeiend uit het gebruik van de resultaten van dit onderzoek of de toepassing van de adviezen.

[Alterra-rapport 865/December 2003]

# Inhoud


Woord vooraf 7

Samenvatting 9

1 Inleiding 11
1.1 Probleemstelling 11
1.2 Doelstelling 11
1.3 Indicatoren 12
1.3.1 Definitie 12
1.3.2 Meetbaarheid 14
1.3.3 Indicatoren zijn watertype-afhankelijk 14
1.3.4 Indicatoren zijn stressor-afhankelijk 14

2 Werkwijze 17
2.1 Het opstellen van de indicatorentabellen 17
2.1.1 Selectie van potentiële indicatoren 17
2.1.2 KRW-typen 19
2.1.3 Determineer- en betrouwbaarheid 19
2.1.4 Evaluatie indicatorwaarde 21
2.1.5 Selectie van indicatoren 22

3 Resultaten en discussie 23
3.1 Inleiding 23
3.2 Hoeveel indicatoren zijn beschikbaar? 23
3.3 Wat is de indicatieve waarde van de bestaande indicatoren? 28
3.4 Welke organismengroepen bieden het meeste perspectief? 30
3.5 Hoe geschikt zijn de potentiële indicatoren? 31
3.6 Hoeveel nieuwe indicatoren zijn mogelijk geschikt? 33

4 Conclusies en aanbevelingen 39

Referenties 41

***Bijlagen***
1 Indicatoren macrofauna 45
2 Indicatoren macrofyten 103
3 Indicatoren vissen 119
4 Macrofauna indicatorsoort of doelsoort in aquatisch supplement typen die onder het respectievelijke KRW type vallen 123
5 A Macrofyten indicatorsoort of doelsoort in aquatisch supplement typen die onder het respectievelijke KRW type vallen 167
5 B Macrofyten indicatorsoort voor bestaande MNP rapporten 177
6 A Vissen indicatorsoort of doelsoort in aquatisch supplement typen die onder het respectievelijke krw type vallen 185
6 B Vissen indicatorsoort in de bestaande MNP rapporten 187
7 Verklaring van codes KRW en MNP watertypen 189

# Woord vooraf

Het Milieu- en Natuurplanbureau (MNP) heeft als taak het monitoren van de toestand en de trend van de Nederlandse natuur. Tot de Nederlandse natuur worden uiteraard ook de oppervlaktewateren gerekend. Voor het monitoren van de Nederlandse natuur in oppervlaktewateren zijn indicatoren nodig. Het MNP heeft reeds voor een aantal watertypen indicatoren gekozen. De keuze van deze indicatoren is in dit rapport geevalueerd. Tevens zijn nieuwe potentiële indicatoren geselecteerd.
Naast monitoring van de Nederlandse natuur wordt ook de kwaliteit van de oppervlaktewateren gemonitord. Sinds 2000 is de Europese Kaderrichtlijn Water in werking getreden. In het kader hiervan moet de ecologische kwaliteit van oppervlaktewateren bepaald worden. Hiervoor is een typologie van de Nederlandse oppervlaktewateren gemaakt. Om monitoring van de natuur en van de kwaliteit van het oppervlaktewater op elkaar af te stemmen zijn alle indicatoren toegedeeld aan de KRW typologie. Verder bepaalt de Kaderrichtlijn water dat de kwaliteit geevalueerd moet worden aan de hand van een aantal kwaliteitselementen. Daarom zijn indicatoren geselecteerd voor de belangrijkste van deze elementen: macrofyten, macrofauna en vissen.
Bij de selectie van de indicatoren is een aantal criteria gebruikt. De indicatoren moeten kenmerkend, herkenbaar, representatief en monitorbaar zijn en verschillen in gevoeligheid.

# Samenvatting

Het Milieu- en Natuurplanbureau (MNP) heeft als taak het monitoren van de toestand en de trend van de Nederlandse natuur. Hiervoor zijn instrumenten nodig waarmee de natuurwaarde bepaald kan worden. Dergelijke instrumenten zijn gebaseerd op indicatoren. In het verleden zijn reeds indicatoren geselecteerd voor een aantal watertypen. Het MNP heeft Alterra gevraagd om (1) de keuze van deze indicatoren te evalueren en (2) aanvullende, bij voorkeur stressor gerelateerde, indicatoren voor Kaderrichtlijn Water (KRW) watertypen waarvoor nog geen indicatoren gekozen zijn, te selecteren.
Dit project had als doel:

- Het evalueren van reeds gekozen indicatoren ten behoeve van instrumenten voor het Milieu- en Natuurplanbureau.
- Het selecteren van aanvullende indicatoren per biologisch kwaliteitselement (macrofyten, macrofauna en vissen) en per (groep van) KRW-type(n) die kenmerkend, herkenbaar, representatief, monitorbaar zijn en verschillen in gevoeligheid.

Het project is beperkt tot de regionale KRW-typen, de KRW-typen die zich in de Rijkswateren bevinden zijn vooralsnog buiten beschouwing gelaten. Op basis van de aanwezige expertise is de selectie op een beperkt aantal bronnen van informatie uitgevoerd en vastgesteld.
Het project heeft geresulteerd in tabellen met indicatoren. Voor iedere indicator is aangegeven in welk watertype de indicator bruikbaar is, welke stressor de indicator indiceert en hoe sterk en in welke richting de respons is, of de indicator goed determineerbaar is in het laboratorium en ten slotte of de indicator in het veld herkenbaar is.
De lijsten met indicatoren stellen het MNP in staat om bestaande gegevens te evalueren op voorkomen en trend in de betreffende indicatoren en tevens kan een monitoringsprogramma voor de toekomst worden opgesteld.

# 1 Inleiding

## 1.1 Probleemstelling

Het Milieu- en Natuurplanbureau (MNP) heeft als taak het monitoren van de toestand en de trend van de Nederlandse natuur. Hiervoor zijn instrumenten nodig waarmee de natuurwaarde bepaald kan worden. Dergelijke instrumenten zijn gebaseerd op indicatoren, soorten die door hun aanwezigheid vertellen of de natuurwaarde hoog of laag is. Indicatorsoorten kunnen verder vertellen welke stressor in een ecosysteem een rol speelt. Sommige indicatoren nemen toe in aantal bij de aanwezigheid van een stressor, andere nemen juist af in aantal. Beide typen indicatoren zijn geschikt voor het beoordelen van de natuurwaarde van oppervlaktewateren. In het verleden zijn indicatoren geselecteerd voor een aantal watertypen (Buskens, 2001; Zuidhoff et al., 2002; RIVM, 2003).
Sinds 2000 is de Kaderrichtlijn Water in werking getreden. In het kader hiervan moet de ecologische kwaliteit van oppervlaktewateren bepaald worden. Hiervoor is een typologie van de Nederlandse oppervlaktewateren gemaakt. Om monitoring van de natuur en van de kwaliteit van het oppervlaktewater op elkaar af te stemmen zijn er indicatoren toegedeeld aan de KRW-typen.
Het MNP heeft Alterra gevraagd om (1) de in het verleden gemaakte keuze van deze indicatoren te evalueren en (2) aanvullende, bij voorkeur stressor gerelateerde, indicatoren voor regionale Kaderrichtlijn Water (KRW) watertypen te selecteren. Bij voorkeur sluit de keuze van de indicatoren aan bij de ontwikkelingen in het kader van de KaderRichtlijn Water (KRW: Europese Commissie, 2000).

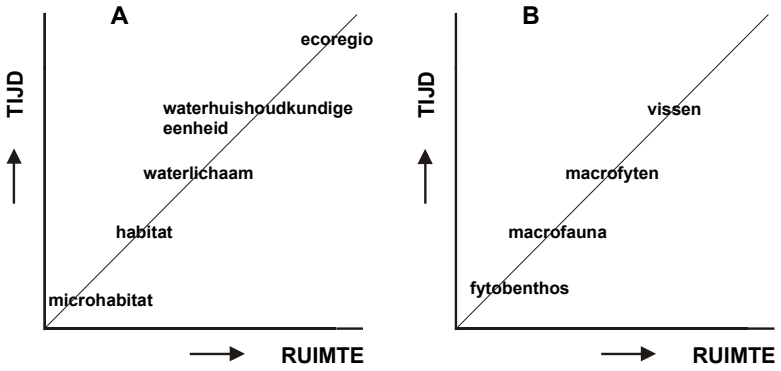
## 1.2 Doelstelling

Het project beoogde de volgende twee doelen:

1) Het evalueren van reeds gekozen indicatoren ten behoeve van instrumenten voor het Milieu- en Natuurplanbureau.
2) Het selecteren van aanvullende indicatoren per biologisch kwaliteitselement en per (groep van) KRW-type(n) die kenmerkend, bekend, herkenbaar, representatief, monitorbaar zijn en verschillen in gevoeligheid.

Iedere organismegroep heeft haar eigen omvang van verspreidingsareaal, bijvoorbeeld een benthische diatomee leeft op een oppervlak van enkele millimeters terwijl een vis zich in een watertraject van kilometers kan bevinden (Figuur 1). De schaal van het biotoop bepaald mede de reactie op de werkzame stressoren. Een locale beïnvloeding heeft meer invloed op een locatiegebonden organisme dan op een organisme met een groot verspreidingsgebied. De levensduur en overlevingsstrategieën van verschillende organismegroepen verschillen eveneens sterk. Hierdoor kunnen soorten snel of langzaam op stressoren reageren. Natuurlijk lopen ruimtelijke en temporele schaal door elkaar maar in het algemeen zijn macrofyten, macrofauna en vissen beter geschikt voor monitoring op meso- en

macrohabitat en op de middellange tot lange termijn. Algen reageren sneller en zijn daarnaast aan sterkere seizoensschommelingen onderhevig. Daarom is deze groep niet in het project meegenomen.




*Figuur 1. Schaal in relatie tot organismegroep*

De indicatieve waarde is voor iedere organismegroep verschillend (tabel 1) en hangt samen met de beschikbare kennis, identificeerbaarheid en de schaal waarop het organisme functioneert. De schaal van de respons in ruimte en tijd voor macrofauna en macrofyten sluit het beste aan bij de meest vragen vanuit water- en natuurbeheer.

*Tabel 1. Problemen bij het bepalen van de indicatieve waarde van de organismegroepen*

| organismegroep | beschikbare kennis | identificeerbaarheid | schaal |
|---|---|---|---|
| macrofauna | ten dele beschikbaar | moeilijk | middel |
| macrofyten | ten dele beschikbaar | eenvoudig | middel-goter |
| microfyten | ten dele beschikbaar | moeilijk | klein |
| vissen | beschikbaar | eenvoudig | groot |

## 1.3 Indicatoren

### 1.3.1 Definitie

Het begrip indicator of indicatorsoort wordt veelvuldig gebruikt. De definitie of bedoeling van de gebruiker kan echter sterk verschillen. Sommigen gebruiken het begrip indicator voor soorten die toxische stoffen accumuleren, terwijl anderen het al dan niet voorkomen onder bepaalde milieu-omstandigheden aanduiden. Binnen het begrip indicatoren kunnen andere begrippen voorkomen zoals sleutelsoort, kritische soort, kensoort, signaleringssoort of gevoelige soort. Met indicatorsoort wordt in het algemeen een soort bedoeld die door aanwezigheid in een bepaalde dichtheid informatie geeft, al dan niet gekwantificeerd, over de heersende biotische of abiotische milieu-omstandigheden. Vaak komt het er op neer dat iedere soort waarvan voldoende (aut)ecologische informatie beschikbaar is en waarmee een toepasbare interpretatie van een waarneming mogelijk is, als indicator kan worden opgevat. Echter de toepasbaarheid oftewel het doel bepaalt of een soort bruikbaar is als indicator. Zo geeft een soort die overal voorkomt weinig toepasbare informatie, een soort met een specifieke verspreiding veel.

Robertson en Davis (1993) en Hellawell (1978) geven criteria voor de selectie van indicatoren (tabel 2 en 3). Van de wetenschappelijke criteria in tabel 2 is voor deze studie alleen het criterium 'anticipeert' minder relevant, de kosteneffectiviteit, moeilijkheidsgraad en meetbaarheid zijn van de praktische criteria relevant en de relevantie en overdraagbaarheid zijn relevante doel gerelateerde criteria. Van de criteria in tabel 3 zijn vooral 2 en 6 relevant.

*Tabel 2. Indicator selectiecriteria (gewijzigd naar Robertson & Davis, 1993)*

| criterium | omschrijving |
|---|---|
| *wetenschappelijk* | |
| meetbaar | meetbaar in de tijd |
| kwantificeerbaar | eenvoudig kwantificeerbaar en uit te drukken op een gedefinieerde numerieke schaal |
| gevoelig (schaal) | reageert binnen een bepaalde tijdsperiode en geografische schaal op zich wijzigende omstandigheden |
| gevoelig (verstoring) | reageert op de te monitoren potentiële verstoringsfactor |
| onderscheidend | levert een betekenisvolle en sterk onderscheidende respons op relevante veranderende milieu-omstandigheden (bezit een hoge signaal : ruis ratio) |
| integrerend | integreert effecten of blootstelling in ruimte en/of tijd |
| precies/geldig | relevante en krachtige maat voor bepaalde milieu-omstandigheden en/of processen (het te beoordelen kenmerk) |
| reproduceerbaar | reproduceerbaar met gedefinieerde en geaccepteerde eisen aan benodigde gegevens in ruimte en/of tijd |
| representatief | de weergave van veranderingen staan model voor dezelfde veranderingen in andere kenmerken waarvoor ze representatief zijn |
| toepasbaar | reageert op veranderingen in ruimte en/of tijd relevant voor het beoogde doel/thema |
| referentiewaarde | bezit een ijkpunt waar het tegen afgezet kan worden |
| vergelijkbaar | kan vergeleken worden met andere meetwaarden in (bestaande) gegevensbestanden |
| anticipeert | voorziet in een vroegtijdig signaal van verandering |
| *praktisch* | |
| kosteneffectief | bezit een hoge informatie: kosten- en informatie: inspanningsratio |
| moeilijkheidsgraad | benodigde expertise is haalbaar voor de uitvoerende instantie |
| meetbaar | kenmerken zijn eenvoudig meetbaar, herkenbaar, vindbaar en interpretabel |
| acceptabel | te hanteren methodiek is geaccepteerd |
| veilig | meetinspanning brengt geen schade aan het systeem toe |
| *doel gerelateerd* | |
| relevant | is gerelateerd aan doel, thema of missie |
| dekkend | omvatten tezamen de belangrijkste ecosysteemkenmerken binnen de te verwachten potentiële ranges aan veranderingen |
| overdraagbaar | in enigerlei vorm aan een breed publiek presentabel |

*Tabel 3. Indicator selectiecriteria (naar Hellawell 1978)*

1. economisch belang als bron (bijvoorbeeld vis) of als overlast- of plaagfactor
2. de beschikbaarheid van een grote hoeveelheid (aut)ecologische informatie
3. wereld-(Europa)wijde verspreiding
4. betrouwbare accumulator van verontreinigende stoffen
5. gemakkelijk te bemonsteren/meten
6. geografische constantie in habitatvoorkeur
7. beperkte genetische variabiliteit
8. gemakkelijk te kweken in het laboratorium
9. onder bepaalde omstandigheden talrijk

### 1.3.2 Meetbaarheid

Tegelijk met dit begrip indicator wordt ook een dilemma duidelijk. Een indicator dient te informeren. Echter een indicator moet ook te monitoren, met andere woorden te vangen en te determineren, zijn. Een soort die wijd verspreid voorkomt en meer abundant is, is geschikter voor monitoring dan een zeldzamere, weinig talrijk voorkomende soort. De algemenere soort is echter vaak minder kritisch in de gestelde eisen en dus minder informatief, terwijl de zeldzamere vaak zeer kritisch en dus meer informatief is.

### 1.3.3 Indicatoren zijn watertype-afhankelijk

Soorten verschaffen informatie over heersende milieu-omstandigheden. Ieder KRW-type vertegenwoordigt een combinatie van bepaalde milieu-omstandigheden en soorten maken daar gebruik van. Dergelijke soorten kunnen indicatief zijn omdat ze specifieke aanpassingen aan deze heersende milieuvariabelen hebben, zoals aanpassingen in hun levenscyclus en voedingsgedrag en stroming. Afhankelijk van welke soortkenmerken voor een specifiek watertype relevant zijn zullen dergelijk specifiek aangepaste soorten daadwerkelijk voorkomen. De keuze van bepaalde soorten als indicator gebeurt op basis van die kenmerken waarmee ze zich speciaal aan het watertype onder natuurlijke milieu-omstandigheden (de referentie) hebben aangepast of juist die kenmerken waardoor ze onder verstoorde omstandigheden kunnen toenemen.
Tot op heden is er geen systematische aanpak geweest om een systeemdekkende set van, bij voorkeur, watertype-afhankelijke indicatoren voor milieu-omstandigheden op te stellen.

### 1.3.4 Indicatoren zijn stressor-afhankelijk

Omdat soorten indicatoren zijn voor milieu-omstandigheden impliceert dit ook dat dat zowel natuurlijke als anthropogene milieu-omstandigheden aangeduid kunnen worden. Indicatoren voor natuurlijke omstandigheden worden positieve indicatoren genoemd. Deze indicatoren hebben specifieke aanpassingen aan bepaalde natuurlijke milieu-omstandigheden. Toepassingen van indicatoren voor bepaalde milieu-omstandigheden zijn bijvoorbeeld de zuurgraads- en stroomsnelheidindex.
Naast indicatoren voor natuurlijke milieu-omstandigheden kunnen ook zogenaamde 'negatieve indicatoren' worden benoemd. Negatieve indicatoren hebben specifieke aanpassingen aan bepaalde door menselijk handelen onstane milieu-omstandigheden, zoals een wijze van ademhalen om lage zuurstofgehalten te overleven (onder zware organische belasting wordt de rattestaartlarve gevonden; deze soort bezit een lange ademhalingsbuis waarmee zuurstof uit de lucht wordt opgenomen, een zuurstofloos water is daarom geen beperking). Andere voorbeelden betreffen gedrag waarmee wisselingen in afvoer kunnen worden 'vermeden' en aanpassingen in de levenscyclus om perioden van droogval te overleven (Verdonschot et al., 1992; Nijboer, 2002). Voor negatieve indicatoren geldt dat ze gekozen worden op basis van die kenmerken

die een aanpassing of een concurrentievoordeel opleveren onder verslechterde milieu-omstandigheden. Het meenemen van negatieve indicatoren in monitoring benadrukt de achteruitgang van een systeem. Het (in grote getale) aanwezig zijn van negatieve indicatoren is soms een duidelijker kenmerk dan de afwezigheid van enkele positieve indicatoren.
Deze beide groepen van indicatoren kunnen soorten zijn maar het kunnen ook levensgemeenschapskenmerken betreffen.

# 2 Werkwijze

## 2.1 Het opstellen van de indicatorentabellen

### 2.1.1 Selectie van potentiële indicatoren

In dit project is alleen gebruik gemaakt van snel beschikbare gegevens (tabel 4).
Voor het opstellen van de soortenlijsten met potentiële indicatoren is begonnen met de soortenlijsten uit het Aquatisch Supplement. Alle soorten die als kenmerkend en/of begeleidend in een van de dertien delen van het Aquatsich Supplement zijn opgesomd zijn opegenomen (geselecteerd zijn alle indicatorsoorten en doelsoorten betreffende macrofauna, macrofyten en vissen).
Voor het Milieu- en Natuurplanbureau waren reeds bepaalde indicatoren voor enkele watertypen geselecteerd:
- Vissen in laagveenplassen en beken (RIVM 2003);
- Macrofauna in laagveensloten en beken (Buskens, 2001);
- Waterplanten in laagveenplassen, laagveensloten, beken en vennen (Zuidhoff et al., 2002).

Deze lijsten met bestaande indicatoren zijn toegevoegd.
Het bestand is voor de macrofauna aangevuld met soorten uit:
1. de cenotypologieën (geselecteerd zijn soorten met een typerend gewicht > 3; hetgeen betekent dat alleen daadwerkelijke indicatoren (soorten met een zekere indicatieve waarde) uit deze typen zijn opgenomen);
2. de Aquatische EcotoopTypen (geselecteerd zijn soorten met een typerend gewicht > 3).

Het bestand is voor de macrofyten aangevuld met soorten uit de bestaande (niet geblokkeerde soorten) MNP indicatoren voor beken, vennen en laagveenwateren.
Het bestand is voor de vissen verder aangevuld met vissen uit het rapport van het MNP.

*Tabel 4. Informatiebronnen ten behoeve van de selectie van indicatoren voor macrofauna, macrofyten en vissen (voor referenties zie ook tekst)*

| | macrofauna | | macrofyten | | vissen | |
|---|---|---|---|---|---|---|
| Literatuur | √ | Ecologische Karakterisering van Oppervlaktewateren in de provincie Overijssel (Verdonschot, 1990) | √ | Oecologische flora (Weeda et al. 1994) | √ | Vissenatlas (De Nie, 1996) |
| | √ | Aquatische EcotoopTypen (Verdonschot et al., 1992) | √ | Plantengemeen-schappen in Nederland (Schaminee et al., 1995) | √ | Vissen in Limburg (Crombachs et al., 2002) |
| | | | √ | Waterplanten en waterkwaliteit (Bloemendaal & Roelofs 1988) | | |
| | | | √ | British Waterplants (Haslam et al. 1975) | | |
| Gegevens-bestanden | √ | Aquatisch Supplement rapporten MNP | √ | Aquatisch Supplement rapporten MNP | √ | Aquatisch Supplement rapporten MNP |
| | √ | Alterra bekendata | | | | |
| | √ | Alterra slotendata | | | | |
| | √ | cenotypologie Limburg | | | | |
| | √ | cenotypologie Overijssel | | | | |
| | √ | cenotypologie Vallei & Eem/Veluwe | | | | |
| | √ | Maatweb Gelderland | | | | |
| | √ | cenotypologie duinwateren | | | | |

Tabel 5 geeft de opzet van de indicatorentabel. Alle resultaten zijn volgens deze tabelstructuur vastgelegd. Voor iedere te evalueren of te selecteren potentiële indicator (zowel de reeds 'bestaande' als de 'nieuw toe te voegen' indicatoren) is vervolgens aangegeven tot welke organismegroep de indicator behoort, in welke KRW-typen deze bruikbaar is, welke stressor deze indiceert en tenslotte hoe herkenbaar de soort is zowel in het veld als bij determinatie in het laboratorium en hoe betrouwbaar deze informatie in bestaande gegevensbestanden is (op determineerbaarheid en betrouwbaarheid wordt in paragraaf 2.1.6 nader ingegaan). Voor de macrofyten is alleen determineerbaarheid opgenomen. Voor macrofauna en vissen zijn determineerbaarheid en betrouwbaarheid opgenomen.
De stressorindicatie is als volgt gedefinieerd:
+ de soort neemt af als de stressor toeneemt
- de soort neemt toe als de stressor toeneemt
het getal 1, 2 of 3 geeft de sterkte van de respons aan waarbij;
1 = zwakke respons
2 = matige respons
3 = sterke respons

*Tabel 5. Voorbeeld van de (getransponeerde) indicatorentabel*

| | | Indicator | |
|---|---|---|---|
| | | Baetis rhodani | Chrysosplenum sp. |
| Organismegroep | macrofauna | x | |
| | macrofyten | | x |
| | vis | | |
| KRW-type | R1 | | |
| | R2 | | x |
| | R3 | | |
| | R4 | x | x |
| | t/m M32 | x | x |
| Stressor[1] | verzuring | | |
| | eutrofiering | | -3 |
| | hydrologische aantasting | -3 | |
| | morfologische aantasting | -3 | |
| | etcetera | | |
| Determineerbaarheid[2] | determinatie in lab en in veld mogelijk | 2 | 3 |
| Betrouwbaarheid | betrouwbaarheid van taxonomische status van gegevens | 0 | 3 |

[1]De meest belangrijke stressoren die een rol spelen in de Nederlandse oppervlaktewateren zijn opgenomen in de tabel: verzuring, eutrofiering, hydrologische dynamiek, morfologische aantasting, verdroging, versnippering.
[2]Bij determineerbaarheid in het laboratorium is er vanuit gegaan dat er gebruik gemaakt kan worden van een binoculair, microscoop en eventueel preparatietechnieken.

### 2.1.2 KRW-typen

De KRW-typen zijn overgenomen uit Elbersen et al. (2003). Vervolgens zijn de watertypen zoals beschreven in het Aquatisch Supplement, typologieën en andere indelingen met behulp van de beslisboom in Elbersen et al. (2003) op basis van de abiotische factoren aan de KRW-typen toegedeeld. De bijhorende indicatoren uit de betreffende indelingen zijn via de cenotypen aan de betreffende KRW-typen toegedeeld.

### 2.1.3 Determineer- en betrouwbaarheid

De totale lijsten met potentiële indicatoren zijn gebruikt voor het bepalen van de determineerbaarheid van de organismen en de betrouwbaarheid van de gegevens.

***Macrofauna***
Voor de determineerbaarheid en de betrouwbaarheid zijn voor de macrofauna de volgende gezamenlijke uitgangspunten gehanteerd:

- De criteria zijn toegepast op een periode van de afgelopen twintig jaar (vanaf circa 1980);
- Er is uitgegaan van determinandi die al enige jaren (>5) ervaring hebben met determinatie van macrofauna;
- Alleen de stadia die normaal gesproken tot de aquatische macrofauna worden gerekend zijn beoordeeld op hun determineerbaarheid en op de betrouwbaarheid van de gegevens.

Voor de determineerbaarheid van de macrofauna zijn de volgende criteria gehanteerd:

*Moeilijk determineerbaar (score 1):*
- De kenmerken van de soort verschillen minimaal van of hebben veel overlap met taxonomisch verwante soorten;
- De kenmerken van de soort zijn moeilijk interpreteerbaar;
- De status van de soort is onduidelijk;
- De determinatiesleutel is lang en ingewikkeld (grote kans op fouten).
- De soorten binnen één taxonomische groep zijn verspreid over meerdere, niet overeenkomende determinatiesleutels;
- Eén of enkele stadia van de soort (bijvoorbeeld alleen adult of mannetje) zijn goed te determineren maar andere stadia daarentegen zijn zeer moeilijk of niet determineerbaar (bijvoorbeeld vrouwtjes, larven en juveniele stadia);
- De determinatie van de soort in het aquatisch stadium is niet mogelijk.

*Matig determineerbaar (score 2):*
- De soort is meestal alleen herleidbaar indien deze voldoende is ontwikkeld (bijvoorbeeld alleen het laatste larvale stadium);
- De soort is vaak goed herleidbaar maar in sommige individuen ontbreken belangrijke soortskenmerken;
- Het overgrote deel van stadia van de soort (adulten, mannetjes en vrouwtjes, volgroeide larven) zijn goed te determineren, enkele stadia zijn moeilijk determineerbaar (juveniele stadia).

*Makkelijk determineerbaar (score 3):*
- De kenmerken zijn altijd makkelijk;
- De soorten zijn eenvoudig te onderscheiden;
- De determineersleutel is eenduidig en vertoont geen taxonomische verschillen (verschillende kenmerken) in vergelijk met andere sleutels van dezelfde taxonomische groep.

Voor de macrofauna betrouwbaarheid van de taxonomische en biogeografische status van de gegevens zijn de volgende criteria gehanteerd:

*Geringe betrouwbaarheid (score 1):*
- De status van soort is onduidelijk;
- Er treden vaak verkeerde determinaties op door verkeerde of moeilijke vast te stellen kenmerken (=categorie 'moeilijk' te determineren);
- De soort kent veel synoniemen;

- De nomenclatuur van de soort is gewijzigd;
- De soort is recentelijk gesplitst;
- De taxonomische literatuur was tien tot twintig jaar geleden matig tot slecht ontwikkeld;
- De soort of de soortgroep wordt door Nederlandse determinandi als een lastige groep ervaren en wordt daardoor weinig gedetermineerd (niet meegenomen maar soort scoort al categorie moeilijk op kenmerken).

*Matige betrouwbaarheid (score 2):*
- Soms treden verkeerde determinaties op door verkeerde of moeilijke vast te stellen kenmerken (=categorie 'matig' te determineren);
- De soort heeft Nederland de afgelopen 20 jaar gekoloniseerd;
- De taxonomische literatuur heeft kleine veranderingen ondergaan.

*Hoge betrouwbaarheid:*
- De soort is niet van naam veranderd;
- Er zijn altijd goede determinaties (=categorie 'makkelijk' te determineren);
- De soort komt al meer dan twintig jaar voor in Nederland;
- De taxonomische literatuur is afgelopen twintig jaar ongewijzigd gebleven;
- De soort of soortgroep wordt als een makkelijke groep ervaren en veelvuldig gedetermineerd.

De determineerbaarheid van de macrofauna en de betrouwbaarheid van de gegevens is op basis van expert judgement door ervaren determinandi ingevuld voor de totale lijsten van potentiële indicatoren.

***Macrofyten***
De determineerbaarheid van de macrofyten is bepaald door het bekijken van datasets van waterbeheerders. Genera die vaak niet uitgedetermineerd zijn tot op soort zijn aangeduid als slecht determineerbaar. Genera waarvan de soorten moeilijk te onderscheiden zijn maar meestal wel gedetermineerd worden zijn matig determineerbaar. Voor macrofyten is geen betrouwbaarheid opgenomen. Er blijken grote verschillen te bestaan tussen de gegevensbronnen, echter in verhouding tot de macrofauna zijn de gegevens veel betrouwbaarder. Voor de macrofyten is de betrouwbaarheid direct te vertalen uit de determineerbaarheid.

***Vissen***
Vissen worden alle beschouwd als goed determineer- en betrouwbaar.

### 2.1.4 Evaluatie indicatorwaarde

De totale lijsten met potentiële indicatoren zijn, waar mogelijk, ook gebruikt voor het inschatten van de gevoeligheid voor stressoren met behulp van literatuur en expert judgement. Hiertoe is de informatie (milieukwaliteit) aanwezig in de betrokken bestanden en aanvullende literatuur verder gebruikt om de relatie met de stressoren te leggen. Er zijn zowel positieve als negatieve indicatoren per stressor opgenomen.

Voor de macrofyten is hiertoe gebruikt gemaakt van de "Oecologische flora", het boek "Waterplanten en waterkwaliteit" en vijf delen van de "Vegetatie van Nederland" (Schaminée et al., 1995; Weeda et al. 1994; Bloemendaal & Roelofs, 1988). Terrestrische planten zijn beschouwd als een slechte indicator voor het aangeven van de ecologische kwaliteit van het betreffende watertype en hebben daarom geen score gekregen.
Voor de vissen is de indicatieve waarde mede gebaseerd op de "Vissenatlas" (De Nie, 1996) en het boek "Vissen in Limburg" (Crombachs et al., 2000).
Aan de totale lijsten is voor de macrofauna eveneens de zeldzaamheid van de soorten toegevoegd. Alle zeer algemene en algemene soorten zijn aangemerkt als slechte indicatoren, hun verspreiding is zo ruim dat ze niet aan een bepaald type gekoppeld kunnen zijn. Ze kunnen echter wel een negatieve indicator zijn voor een bepaalde stressor.

### 2.1.5 Selectie van indicatoren

De uiteindelijke selectiecriteria bij de keuze van indicatoren zijn, naast de bovengenoemde stappen, kan gebaseerd worden op:
- De verwachte dekking van de indicator in de bestaande gegevensbestanden op basis van een inschatting van aanwezigheid in inventarisatiegegevens van regionale waterbeheerders;
- De verwachte mogelijkheid tot het opstellen van een trend;
- De toekomstige monitorbaarheid van de betreffende indicator;
- De determineerbaarheid;
- De betrouwbaarheid van de gegevens;
- Indicatieve waarde (positief of negatief).

# 3 Resultaten en discussie

## 3.1 Inleiding

De informatie per indicator ten aanzien van stressoren, determineerbaarheid en betrouwbaarheid is opgenomen in bijlage 1 voor macrofauna, in bijlage 2 voor macrofyten en in bijlage 3 voor vissen. Het voorkomen van indicatoren in de KRW-typen op basis van het Aquatisch Supplement is opgenomen in de bijlagen 4 (macrofauna), 5a (macrofyten) en 6a (vissen). De watertypen met bestaande MNP-indicatoren, zoals vermeld in de bestaande MNP-rapporten, zijn opgenomen in respectievelijk bijlage 1 (macrofauna), 5b (macrofyten) en 6b (vissen).
De beschikbaarheid van informatie is per watertype verschillend gebleken. Van beken en sloten zijn relatief veel gegevens over macrofauna snel beschikbaar, voor andere watertypen is dat minder. Voor macrofauna is de informatie uit bestaande typologieën, het Aquatisch Supplement en de bestaande MNP-rapporten gebruikt. Voor macrofyten en vissen is minder watertype specifieke en meer algemene verspreidings- en autecologische informatie beschikbaar. Voor deze twee groepen zijn vooral het Aquatisch Supplement en de bestaande MNP-rapporten.

## 3.2 Hoeveel indicatoren zijn beschikbaar?

In totaal zijn 1242 macrofauna-taxa in de indicatorentabel macrofauna opgenomen. Van de MNP 'bestaande' indicatoren zijn er 84 voor laaglandbeken, 67 voor heuvellandbeken en 50 voor laagveensloten. In totaal zijn aanwezig 44 indicatoren voor hydrologische verstoring, 419 voor morfologische verstoring, 643 voor eutrofiëring en organische belasting, 88 voor verzuring, 16 voor verdroging en droogval. Van 355 taxa is geen indicatie bekend.
In tabel 6 zijn de aantallen indicatoren per KRW-type en per stressor gegeven. Alleen het aantal verdrogings- en verzuringsindicatoren blijft voor een aantal typen wat achter. Wat verder opvalt is dat de aantallen indicatoren per type nogal sterk verschillen, hetgeen waarschijnlijk samenhangt met het kennisniveau per type of de natuurlijke taxarijkdom van het betreffende type. Voor eutrofiëring en organische belasting zijn veel meer indicatoren beschikbaar dan voor de andere stressoren.
Indien een positieve indicator voorkomt bijvoorbeeld in een droogvallend watertype, dan is deze indicator eigenlijk negatieve indicator voor een permanent watertype. Zo is meer stressor gerelateerde informatie gedeeltelijk onderdeel van de typologie. Deze informatie is echter nog niet in de de lijsten met indicatoren verwerkt.

*Tabel 6. Aantal indicatoren macrofauna per KRW-type per stressor*

**indicatoren macrofauna**

| **watertype** | **eutrofiëring/ organische belasting** | **hydrologische verstoring** | **morfologische verstoring** | **verdroging/ droogval** | **verzuring** |
|---|---|---|---|---|---|
| Diepe gebufferde meren | 40 | 10 | 10 | 1 | 8 |
| Diepe kalkrijke meren | 11 | 4 | 4 | | 3 |
| Diepe laagveenmeren | 23 | 4 | 4 | | 3 |
| Diepe meren in open verbinding met rivier | 7 | 6 | 6 | | 1 |
| Diepe zure meren | 18 | | | 1 | 9 |
| Diepe zwakgebufferde meren | 15 | 5 | 4 | | 1 |
| Droogvallende bron | 19 | 25 | 23 | 6 | 3 |
| Droogvallende langzaam stromende bovenloop op zand | 38 | 39 | 37 | 8 | 4 |
| Gebufferde (regionale) kanalen | 12 | 3 | 3 | | 1 |
| Gebufferde laagveensloten | 32 | 4 | 3 | 1 | 12 |
| Gebufferde sloten (overgangssloten, sloten in rivierengebied) | 21 | 7 | 6 | | 1 |
| Getijdengebied | 12 | 12 | 2 | | |
| Grote diepe gebufferde meren | 23 | 6 | 6 | | 3 |
| Grote diepe kanalen | 26 | 6 | 6 | | 2 |
| Grote ondiepe kanalen | 22 | 6 | 6 | | 1 |
| Laagveen vaarten en kanalen | 8 | 1 | 1 | | |
| Langzaam stromend riviertje op zand/klei | 44 | 41 | 49 | | |
| Langzaam stromende bovenloop op kalkhoudende bodem | 101 | 120 | 113 | 7 | 2 |
| Langzaam stromende bovenloop op veenbodem | 45 | 35 | 34 | 7 | 8 |
| Langzaam stromende middenloop op kalkhoudende bodem | 72 | 90 | 91 | 2 | 1 |
| Langzaam stromende middenloop/benedenloop op veenbodem | 21 | 19 | 19 | 4 | 3 |
| Langzaam stromende middenloop/benedenloop op zand | 93 | 105 | 110 | 5 | 4 |
| Langzaam stromende rivier/nevengeul op zand/klei | 155 | 145 | 152 | 1 | 1 |
| Matig brakke wateren | 30 | 2 | 3 | | 1 |
| Matig grote diepe gebufferde meren | 34 | 9 | 8 | 1 | 8 |
| Matig grote diepe laagveenmeren | 7 | 2 | 2 | | 1 |
| Matig grote ondiepe laagveenplassen | 57 | 5 | 7 | | 9 |
| Ondiep lijnvormig water, open verbinding met rivier geinundeerd | 30 | 11 | 9 | 3 | 3 |
| Ondiepe (grote) gebufferde plassen | 11 | 6 | 5 | | |
| Ondiepe (kleinere) gebufferde plassen | 52 | 7 | 4 | 6 | 14 |
| Ondiepe (matig grote) gebufferde plassen | 23 | 4 | 4 | | 3 |
| Ondiepe kalkrijke (grotere) plassen | 11 | 1 | 1 | | 2 |
| Ondiepe kalkrijke (kleinere) plassen | 27 | 3 | 3 | | 9 |
| Ondiepe laagveenplassen | 57 | 5 | 7 | | 9 |
| Ondiepe zure plassen (vennen) | 51 | 5 | 2 | 5 | 27 |
| Ondiepe zwak gebufferde hoogveenplassen/vennen | 40 | 2 | 2 | 2 | 24 |
| Ondiepe zwak gebufferde plassen (vennen) | 46 | 5 | 5 | 2 | 24 |
| Permanente bron | 75 | 94 | 83 | 5 | 4 |
| Permanente langzaam stromende bovenloop op zand | 128 | 137 | 129 | 9 | 9 |
| Snelstromend riviertje op kiezelhoudende bodem | 41 | 45 | 47 | | 1 |

| indicatoren macrofauna | | | | | |
|---|---|---|---|---|---|
| **watertype** | **eutrofiëring/ organische belasting** | **hydrologische verstoring** | **morfologische verstoring** | **verdroging/ droogval** | **verzuring** |
| Snelstromende bovenloop op kalkhoudende bodem | 73 | 87 | 87 | 1 | 2 |
| Snelstromende bovenloop op zand | 73 | 87 | 87 | 1 | 2 |
| Snelstromende midden/benedenloop op kalkhoudende bodem | 94 | 104 | 104 | | 1 |
| Snelstromende midden/benedenloop op zand | 94 | 104 | 104 | | 1 |
| Snelstromende rivier/nevengeul op zandbodem of grind | 151 | 143 | 150 | 1 | 1 |
| Sterk brakke tot zoute wateren | 21 | 1 | 2 | | 1 |
| Zoet getijdenwater (uitlopers rivier) op zand/klei | 16 | 10 | 8 | | |
| Zwak brakke wateren | 39 | 5 | 5 | 1 | 4 |
| Zwak gebufferde (regionale) kanalen | 24 | 8 | 8 | 3 | 10 |
| Zwak gebufferde hoogveensloten | 27 | 5 | 5 | 3 | 16 |
| Zwak gebufferde sloten (poldersloten) | 14 | 4 | 2 | 3 | 11 |

In totaal zijn 249 macrofyten taxa in de indicatorentabel macrofyten opgenomen. Het betreft 21 mossen, 34 terrestrische planten en 192 echte waterplanten. Het betreft 32 indicatoren voor hydrologische verstoring, 14 voor morfologische verstoring, 25 voor inlaatwater, 147 voor eutrofiëring, 23 voor verontreiniging, 50 voor verzuring, 62 voor verdroging, 101 voor verzilting, 9 voor verzoeting, 43 voor schaduw en 41 voor stroming.
In tabel 7 zijn de aantallen indicatoren per KRW-type en per stressor gegeven. Alleen het aantal morfologische- en verzoetingsindicatoren blijft achter. Er zijn verschillen tussen de aantallen per stressor en per watertype. Het aantal voor eutrofiëring en verzilting is duidelijk het hoogste. Ook voor sommige watertypen zijn duidelijk meer indicatoren benoemd (bijvoorbeeld gebufferd laagveensloten, ondiepe (kleinere) gebufferde plassen).

*Tabel 7. Aantal indicatoren macrofyten per KRW-type per stressor*

| indicatoren macrofyten | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **watertype** | **hydrologische verstoring** | **morfologische verstoring** | **inlaatwater** | **eutrofiëring** | **verontreiniging** | **verzuring** | **verdroging** | **verzilting** | **verzoeting** | **schaduw** | **stroming** |
| Diepe gebufferde meren | 9 | 6 | 13 | 45 | 5 | 10 | 11 | 33 | 1 | 12 | 20 |
| Diepe kalkrijke meren | 2 | | 4 | 11 | 1 | 7 | 5 | 7 | | 6 | 4 |
| Diepe laagveenmeren | 3 | | 4 | 12 | 3 | 2 | 4 | 10 | | 1 | 5 |
| Diepe meren in open verbinding met rivier | | | | 4 | | 2 | 4 | 3 | | 3 | 1 |
| Diepe zure meren | 1 | | | 3 | | 4 | 2 | 1 | | 1 | |
| Diepe zwakgebufferde meren | 1 | | 1 | 9 | | 6 | 8 | 3 | | 1 | 1 |
| Droogvallende bron | | | 1 | 4 | | 2 | 3 | 3 | 1 | 2 | 1 |
| Droogvallende langzaam stromende | 2 | 1 | 5 | 13 | 2 | 5 | 4 | 10 | | 4 | 7 |

| indicatoren macrofyten | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **watertype** | **hydrologische verstoring** | **morfologische verstoring** | **inlaatwater** | **eutrofiëring** | **verontreiniging** | **verzuring** | **verdroging** | **verzilting** | **verzoeting** | **schaduw** | **stroming** |
| bovenloop op zand | | | | | | | | | | | |
| Gebufferde (regionale) kanalen | 7 | 2 | 5 | 26 | 5 | 8 | 9 | 18 | | 6 | 14 |
| Gebufferde laagveensloten | 11 | 3 | 12 | 39 | 7 | 12 | 12 | 28 | | 12 | 15 |
| Gebufferde sloten (overgangssloten, sloten in rivierengebied) | 1 | | 1 | 6 | 1 | 1 | 2 | 5 | | 2 | 2 |
| Getijdengebied | 2 | 1 | 2 | 10 | 1 | 3 | 5 | 6 | | 3 | 4 |
| Grote diepe gebufferde meren | 3 | | 5 | 14 | 1 | 7 | 6 | 10 | | 6 | 6 |
| Grote diepe kanalen | 7 | 4 | 6 | 19 | 5 | 5 | 7 | 16 | | 4 | 12 |
| Grote ondiepe kanalen | 7 | 4 | 6 | 19 | 5 | 5 | 7 | 16 | | 4 | 12 |
| Langzaam stromend riviertje op zand/klei | 7 | | 5 | 11 | 4 | 1 | 4 | 9 | | 1 | 6 |
| Langzaam stromende bovenloop op kalkhoudende bodem | 1 | 2 | 1 | 10 | 1 | 3 | 2 | 6 | | 6 | 4 |
| Langzaam stromende bovenloop op veenbodem | | 1 | 2 | 6 | | 5 | 3 | 3 | | 4 | 2 |
| Langzaam stromende middenloop op kalkhoudende bodem | 4 | 3 | 3 | 12 | | 6 | 2 | 7 | | 3 | 7 |
| Langzaam stromende middenloop/benedenloop op veenbodem | | | 1 | 3 | | 3 | 1 | 2 | | 1 | |
| Langzaam stromende middenloop/benedenloop op zand | 5 | 3 | 4 | 16 | 1 | 8 | 3 | 9 | | 4 | 8 |
| Langzaam stromende rivier/nevengeul op zand/klei | 4 | | 3 | 8 | 3 | 1 | 3 | 6 | | 2 | 5 |
| Matig brakke wateren | 4 | 1 | 5 | 13 | 1 | 1 | 4 | 12 | 3 | 2 | 3 |
| Matig grote diepe gebufferde meren | 6 | 5 | 6 | 29 | 3 | 7 | 8 | 21 | | 7 | 13 |
| Matig grote diepe laagveenmeren | 2 | | 3 | 7 | 2 | 1 | 3 | 7 | | 1 | 4 |
| Matig grote ondiepe laagveenplassen | 4 | 1 | 7 | 23 | 2 | 7 | 4 | 15 | | 4 | 10 |
| Ondiep lijnvormig water, open verbinding met rivier geinundeerd | 9 | | 1 | 27 | 8 | 8 | 12 | 17 | | 5 | 11 |
| Ondiepe (grote) gebufferde plassen | 9 | 5 | 10 | 30 | 7 | 8 | 9 | 25 | | 5 | 17 |
| Ondiepe (kleinere) gebufferde plassen | 7 | 2 | 8 | 41 | 6 | 11 | 14 | 27 | | 9 | 14 |
| Ondiepe (matig grote) gebufferde plassen | 3 | | 4 | 12 | 3 | 2 | 4 | 10 | | 1 | 5 |
| Ondiepe kalkrijke (grotere) plassen | 2 | | 1 | 12 | | 3 | 6 | 11 | 2 | 3 | 3 |
| Ondiepe kalkrijke (kleinere) plassen | 7 | 1 | 4 | 28 | 3 | 13 | 13 | 20 | 2 | 6 | 5 |
| Ondiepe laagveenplassen | 4 | 1 | 7 | 23 | 2 | 7 | 4 | 15 | | 4 | 10 |
| Ondiepe zure plassen (vennen) | 1 | | | 4 | | 5 | 2 | 2 | | 1 | 1 |
| Ondiepe zwak gebufferde hoogveenplassen/vennen | 6 | 1 | 3 | 21 | 1 | 20 | 12 | 8 | | 6 | 5 |
| Ondiepe zwak gebufferde plassen (vennen) | 4 | 3 | 2 | 32 | 2 | 19 | 17 | 16 | | 6 | 7 |
| Permanente bron | | 2 | 2 | 10 | 1 | 4 | 5 | 5 | | 10 | 2 |
| Permanente langzaam stromende | 1 | 3 | 3 | 14 | 1 | 6 | 4 | 8 | | 8 | 5 |

| indicatoren macrofyten | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **watertype** | **hydrologische verstoring** | **morfologische verstoring** | **inlaatwater** | **eutrofiëring** | **verontreiniging** | **verzuring** | **verdroging** | **verzilting** | **verzoeting** | **schaduw** | **stroming** |
| bovenloop op zand | | | | | | | | | | | |
| Snelstromend riviertje op kiezelhoudende bodem | 3 | | 1 | 3 | 2 | 1 | | 1 | | | 2 |
| Snelstromende bovenloop op kalkhoudende bodem | 3 | 1 | 1 | 8 | 1 | 3 | 1 | 6 | | 2 | 4 |
| Snelstromende bovenloop op zand | 3 | 1 | 1 | 8 | 1 | 3 | 1 | 6 | | 2 | 4 |
| Snelstromende midden/benedenloop op kalkhoudende bodem | 3 | | 1 | 6 | 2 | 3 | | 4 | | 2 | 2 |
| Snelstromende midden/benedenloop op zand | 3 | | 1 | 6 | 2 | 3 | | 4 | | 2 | 2 |
| Snelstromende rivier/nevengeul op zandbodem of grind | 4 | | 3 | 8 | 3 | 1 | 3 | 6 | | 2 | 5 |
| Sterk brakke tot zoute wateren | 3 | 1 | 2 | 5 | 1 | | 2 | 4 | 1 | 1 | 2 |
| Zoet getijdenwater (uitlopers rivier) op zand/klei | 6 | | 1 | 10 | 2 | 2 | 7 | 10 | | 5 | 5 |
| Zwak brakke wateren | 7 | 2 | 7 | 28 | 2 | 1 | 8 | 29 | 6 | 4 | 9 |
| Zwak gebufferde (regionale) kanalen | 3 | | 2 | 15 | 1 | 7 | 6 | 11 | | 5 | 5 |
| Zwak gebufferde hoogveensloten | 5 | | 6 | 12 | 2 | 5 | 3 | 6 | | 3 | 8 |
| Zwak gebufferde sloten (poldersloten) | 5 | 4 | 3 | 23 | 2 | 16 | 12 | 9 | | 8 | 6 |

In totaal zijn 51 vissen in de indicatorentabel vissen opgenomen. Het betreft 33 indicatoren voor hydrologische verstoring, 35 voor morfologische verstoring, 34 voor eutrofiëring en organische belasting, 36 voor verzuring en 46 voor verdroging en droogval. Opvallend is dat voor ieder KRW type het aantal indicatoren voor de verschillende stressoren ongeveer gelijk is (tabel 8), het betreft vaak dezelfde soorten.

*Tabel 8. Aantal indicatoren vissen per KRW-type per stressor*

| indicatoren vissen | | | | | |
|---|---|---|---|---|---|
| **watertype** | **hydrologische verstoring** | **morfologische verstoring** | **eutrofiëring/ organische belasting** | **verzuring** | **verdroging/ droogval** |
| Diepe gebufferde meren | 14 | 15 | 14 | 17 | 22 |
| Diepe laagveenmeren | 7 | 8 | 7 | 8 | 10 |
| Diepe meren in open verbinding met rivier | 3 | 4 | 5 | 2 | 7 |
| Diepe zwakgebufferde meren | 11 | 12 | 10 | 14 | 18 |
| Gebufferde (regionale) kanalen | 11 | 12 | 14 | 13 | 21 |
| Gebufferde laagveensloten | 10 | 11 | 11 | 11 | 15 |
| Gebufferde sloten (overgangssloten, sloten in rivierengebied) | 5 | 7 | 7 | 6 | 9 |
| Getijdengebied | 10 | 10 | 7 | 8 | 12 |
| Grote diepe gebufferde meren | | | 1 | | 1 |

| indicatoren vissen | | | | | |
|---|---|---|---|---|---|
| **watertype** | **hydrologische verstoring** | **morfologische verstoring** | **eutrofiëring/ organische belasting** | **verzuring** | **verdroging/ droogval** |
| Grote diepe kanalen | 8 | 9 | 11 | 10 | 18 |
| Grote ondiepe kanalen | 8 | 9 | 11 | 10 | 18 |
| Laagveen vaarten en kanalen | 8 | 9 | 8 | 10 | 15 |
| Langzaam stromend riviertje op zand/klei | 16 | 17 | 15 | 19 | 24 |
| Langzaam stromende bovenloop op kalkhoudende bodem | 9 | 9 | 9 | 9 | 10 |
| Langzaam stromende bovenloop op veenbodem | 2 | 2 | 2 | 2 | 2 |
| Langzaam stromende middenloop op kalkhoudende bodem | 23 | 23 | 22 | 25 | 28 |
| Langzaam stromende middenloop/benedenloop op veenbodem | 3 | 3 | 3 | 3 | 4 |
| Langzaam stromende middenloop/benedenloop op zand | 26 | 27 | 25 | 29 | 32 |
| Langzaam stromende rivier/nevengeul op zand/klei | 16 | 16 | 14 | 14 | 19 |
| Matig brakke wateren | 9 | 10 | 9 | 8 | 15 |
| Matig grote diepe gebufferde meren | 13 | 15 | 16 | 16 | 24 |
| Matig grote diepe laagveenmeren | 7 | 8 | 7 | 8 | 10 |
| Matig grote ondiepe laagveenplassen | 12 | 11 | 11 | 12 | 13 |
| Ondiep lijnvormig water, open verbinding met rivier geinundeerd | 9 | 10 | 12 | 11 | 18 |
| Ondiepe (grote) gebufferde plassen | 5 | 5 | 5 | 7 | 8 |
| Ondiepe (kleinere) gebufferde plassen | 11 | 10 | 10 | 11 | 13 |
| Ondiepe (matig grote) gebufferde plassen | 7 | 8 | 7 | 8 | 10 |
| Ondiepe laagveenplassen | 12 | 11 | 11 | 12 | 13 |
| Ondiepe zwak gebufferde hoogveenplassen/vennen | 1 | 3 | 2 | 2 | 3 |
| Ondiepe zwak gebufferde plassen (vennen) | 11 | 12 | 12 | 13 | 17 |
| Permanente langzaam stromende bovenloop op zand | 11 | 11 | 11 | 11 | 12 |
| Snelstromend riviertje op kiezelhoudende bodem | 16 | 16 | 15 | 16 | 16 |
| Snelstromende bovenloop op kalkhoudende bodem | 8 | 8 | 8 | 8 | 8 |
| Snelstromende bovenloop op zand | 8 | 8 | 8 | 8 | 8 |
| Snelstromende midden/benedenloop op kalkhoudende bodem | 15 | 15 | 14 | 15 | 15 |
| Snelstromende midden/benedenloop op zand | 15 | 15 | 14 | 15 | 15 |
| Snelstromende rivier/nevengeul op zandbodem of grind | 16 | 16 | 14 | 14 | 19 |
| Sterk brakke tot zoute wateren | 6 | 5 | 5 | 4 | 9 |
| Zoet getijdenwater (uitlopers rivier) op zand/klei | 17 | 19 | 19 | 15 | 24 |
| Zwak brakke wateren | 9 | 10 | 9 | 8 | 16 |
| Zwak gebufferde (regionale) kanalen | 10 | 10 | 9 | 12 | 14 |
| Zwak gebufferde hoogveensloten | 10 | 10 | 9 | 11 | 13 |
| Zwak gebufferde sloten (poldersloten) | 6 | 8 | 8 | 7 | 10 |

## 3.3 Wat is de indicatieve waarde van de bestaande indicatoren?

De indicatieve waarde van de bestaande MNP indicatoren macrofauna is gegeven in tabel 9. Voor de laagveensloten zijn minder indicatoren geschikt gebleken dan voor de beken. De laaglandbeken blijken de meeste geschikte indicatoren te bevatten.

*Tabel 9. Het aantal bestaande MNP indicatoren macrofauna (positief en negatief) met een indicatieve waarde (geen, zwak, matig, sterk) voor een of meerdere stressoren*

| **macrofauna** | **indicatieve waarde** | | | |
|---|---|---|---|---|
| *bestaand MNP type* | *geen* | *zwak* | *matig* | *sterk* |
| laagveensloot | 32 | 5 | 1 | 12 |
| heuvellandbeek | 32 | 16 | 13 | 7 |
| laaglandbeek | 33 | 26 | 14 | 10 |

De indicatieve waarde van de bestaande MNP indicatoren macrofyten is gegeven in tabel 10. Over het algemeen zijn de meeste indicatoren geschikt gebleken. Veel bestaande MNP indicatoren bezitten een sterk indicatieve waarde.

*Tabel 10. Het aantal bestaande MNP indicatoren macrofyten (positief en negatief) met een indicatieve waarde (geen, zwak, matig, sterk) voor een of meerdere stressoren*

| **macrofyten** | **indicatieve waarde** | | | |
|---|---|---|---|---|
| bestaand MNP type | niet | zwak | matig | sterk |
| MNP beken Bronbeken | 5 | 1 | 0 | 3 |
| MNP beken heuvellandbeken | 4 | 2 | 2 | 4 |
| MNP beken Laaglandbeken | 0 | 1 | 2 | 4 |
| MNP beken Snelstromende laaglandbeken | 1 | 2 | 2 | 3 |
| MNP laagveenplassen Brakke wateren | 0 | 1 | 0 | 3 |
| MNP laagveenplassen Zoete wateren | 0 | 2 | 4 | 8 |
| MNP laagveensloten Brakke sloten | 0 | 1 | 0 | 3 |
| MNP laagveensloten Zoete sloten | 0 | 4 | 4 | 9 |
| MNP vennen Hoogveenvennen | 5 | 0 | 1 | 7 |
| MNP vennen Zeer zwak gebufferde wateren | 0 | 0 | 0 | 4 |
| MNP vennen Zwak gebufferde wateren | 0 | 0 | 3 | 16 |

De indicatieve waarde van de bestaande MNP indicatoren vissen is gegeven in tabel 11. Alle vissen blijken indicatief voor verdroging/droogval. Over het algemeen zijn de meeste indicatoren geschikt gebleken. Op 1 vissoort na bezitten alle bestaande MNP indicatoren ook een zwak tot sterk indicatieve waarde.

*Tabel 11. Het aantal bestaande MNP indicatoren vissen (positief en negatief) met een indicatieve waarde (geen, zwak, matig, sterk) voor een of meerdere stressoren*

| **vissen** | **indicatieve waarde** | | | | |
|---|---|---|---|---|---|
| *bestaand MNP watertype* | *verdro-ging en droogval* | *niet* | *zwak* | *matig* | *sterk* |
| MNP beken heuvelland van Zuid-Limburg benedenloop | 14 | | 5 | 7 | 2 |
| MNP beken heuvelland van Zuid-Limburg bovenloop | 6 | | 0 | 5 | 1 |
| MNP beken heuvelland van Zuid-Limburg middenloop | 13 | | 3 | 8 | 2 |
| MNP beken hogere zandgronden oostelijk van de Maas (zuid 2) benedenloop | 16 | 1 | 5 | 7 | 3 |
| MNP beken hogere zandgronden oostelijk van de Maas (zuid 2) bovenloop | 8 | 1 | 2 | 4 | 1 |
| MNP beken hogere zandgronden oostelijk van de Maas (zuid 2) middenloop | 17 | 1 | 5 | 8 | 3 |
| MNP beken hogere zandgronden van de Veluwe bovenloop | 7 | 1 | 1 | 4 | 1 |
| MNP beken hogere zandgronden van de Veluwe | 15 | 1 | 5 | 7 | 2 |

| | | | | | |
|---|---|---|---|---|---|
| middenloop | | | | | |
| MNP beken hogere zandgronden van Noord-Nederland benedenloop | 17 | 1 | 5 | 8 | 3 |
| MNP beken hogere zandgronden van Noord-Nederland bovenloop | 8 | 1 | 2 | 4 | 1 |
| MNP beken hogere zandgronden van Noord-Nederland middenloop | 17 | 1 | 5 | 8 | 3 |
| MNP beken hogere zandgronden van Oost- en Midden Nederland benedenloop | 15 | 1 | 5 | 6 | 3 |
| MNP beken hogere zandgronden van Oost- en Midden Nederland bovenloop | 7 | 1 | 2 | 3 | 1 |
| MNP beken hogere zandgronden van Oost- en Midden Nederland middenloop | 16 | 1 | 5 | 7 | 3 |
| MNP beken hogere zandgronden van Zuid-Nederland westelijk van de Maas (zuid 1) benedenloop | 17 | 1 | 5 | 8 | 3 |
| MNP beken hogere zandgronden van Zuid-Nederland westelijk van de Maas (zuid 1) bovenloop | 7 | 1 | 2 | 3 | 1 |
| MNP beken hogere zandgronden van Zuid-Nederland westelijk van de Maas (zuid 1) middenloop | 17 | 1 | 5 | 8 | 3 |
| MNP laagveenplassen | 14 | 1 | 4 | 5 | 1 |

## 3.4 Welke organismengroepen bieden het meeste perspectief?

De vraag naar de organismengroepen die het meeste perspectief bieden is sterk KRW-type en stressor gerelateerd. De indicatieve waarde van soorten is afhankelijk van de stressor. Omdat er veel meer indicatoren macrofauna dan macrofyten of vissen zijn, geven de getallen in tabel 12 een enigszins vertekend beeld. Daarbij moet worden aangetekend dat de schaal waarop de verschillende organismengroepen reageren verschillend is. Alle vissen (op 5 soorten na) zijn als indicatief voor verdroging aangemerkt terwijl in feite de meeste aquatische organismen hier gevoelig voor zijn. Voor macrofauna en macrofyten zijn er minder verzuringsindicatoren beschikbaar. Voor macrofyten zijn er ook minder indicatoren voor morfologische veranderingen gevonden.

*Tabel 12. Aantal indicatoren per stressor*

| | **hydrologische verstoring** | **morfologische verstoring** | **eutrofiëring/ organische belasting** | **verdroging/ droogval** | **verzuring** | **inlaat** | **verzilting** | **verzoeting** | **stroming** | **beschaduwing** | **verontreiniging** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| macrofauna | 444 | 419 | 643 | 16 | 88 | | | | | | |
| macrofyten | 32 | 13 | 147 | 62 | 50 | 25 | 101 | 9 | 41 | 43 | 23 |
| vissen | 33 | 35 | 34 | 46 | 36 | | | | | | |

## 3.5 Hoe geschikt zijn de potentiële indicatoren?

De vraag hoeveel van de soorten per groep geschikt is als indicator door (1) slechte determineerbaarheid, (2) slechte betrouwbaarheid en (3) geringe indicatieve waarde verschilt per organismengroep.

*Tabel 13. De indicatieve waarde van indicatoren macrofauna (in aantallen) gebaseerd op determineerbaarheid, betrouwbaarheid en stressor specificiteit*

| macrofauna-indicator | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval |
|---|---|---|---|---|---|
| neemt af | 79 | 61 | 127 | 17 | 2 |
| neemt sterk af | 89 | 84 | 131 | 21 | 5 |
| verdwijnt | 230 | 232 | 291 | 22 | 4 |
| neemt toe | 19 | 17 | 29 | 14 | 1 |
| neemt sterk toe | 13 | 13 | 26 | 6 | 2 |
| neemt explosief toe | 14 | 12 | 39 | 7 | 2 |

| determineer-baarheid | | betrouwbaarheid gegevens | |
|---|---|---|---|
| moeilijk | 318 | slecht | 350 |
| matig | 262 | matig | 261 |
| gemakkelijk | 634 | goed | 603 |

De aantallen in tabel 13 geven aan dat 26% van de macrofauna op basis van determineerbaarheid en 29% op basis van betrouwbaarheid van gegevens niet geschikt is. Vooral het aantal indicatoren dat verdwijnt bij aanwezigheid van een stressor is hoog, het aantal negatieve indicatoren is beperkt.

*Tabel 14. De indicatieve waarde van indicatoren macrofyten (in aantallen) gebaseerd op determineerbaarheid, betrouwbaarheid en stressor specificiteit*

| macrofyten-indicator | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiëring | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming |
|---|---|---|---|---|---|---|---|---|---|---|---|
| neemt af | 1 | 0 | 1 | 20 | 3 | 2 | 3 | 1 | 0 | 1 | 3 |
| neemt sterk af | 4 | 0 | 3 | 32 | 7 | 6 | 1 | 1 | 1 | 2 | 0 |
| verdwijnt | 12 | 2 | 9 | 46 | 5 | 16 | 10 | 17 | 8 | 6 | 1 |
| neemt toe | 1 | 0 | 0 | 3 | 2 | 1 | 2 | 4 | 0 | 1 | 0 |
| neemt sterk toe | 2 | 7 | 1 | 7 | 5 | 4 | 5 | 1 | 0 | 1 | 0 |
| neemt explosief toe | 7 | 5 | 9 | 9 | 3 | 1+1 | 0 | 1 | 0 | 3 | 0 |
| tolerant voor | 5 | 0 | 2 | 30 | 6 | 29 | 44 | 76 | 0 | 29 | 37 |

| determineer-baarheid | | |
|---|---|---|
| moeilijk | 58 | 0 |
| matig | 53 | 2 |
| gemakkelijk | 79 | 0 |

De aantallen in tabel 14 geven aan dat 31% van de macrofyten op basis van determineerbaarheid van gegevens niet geschikt is. Het aantal indicatoren dat verdwijnt of explosief toeneemt is het hoogst, behalve voor eutrofiëring waar alle gradaties van indicatoren beschikbaar zijn. Het aantal negatieve indicatoren is iets geringer dan het aantal positieve.

*Tabel 15. De indicatieve waarde van indicatoren vissen (in aantallen) gebaseerd op determineerbaarheid, betrouwbaarheid en stressor specificiteit*

| vissen indicator | hydrologische verstoring | morfologische verstoring | eutrofiëring/ organische belasting | verzuring | verdroging/ droogval |
|---|---|---|---|---|---|
| neemt af | 16 | 10 | 14 | 35 | 0 |
| neemt sterk af | 13 | 15 | 11 | 0 | 0 |
| verdwijnt | 4 | 10 | 3 | 0 | 46 |
| neemt toe | 0 | 0 | 5 | 1 | 0 |
| neemt sterk toe | 0 | 0 | 1 | 0 | 0 |
| neemt explosief toe | 0 | 0 | 0 | 0 | 0 |

*Vervolg tabel 15*

| determineer-baarheid | | betrouwbaarheid gegevens | |
|---|---|---|---|
| moeilijk | 5 | slecht | 1 |
| matig | 9 | matig | 18 |
| gemakkelijk | 32 | goed | 27 |

Tabel 15 geeft aan dat 11% van de vissen op basis van determineerbaarheid en 2% op basis van betrouwbaarheid van gegevens niet geschikt is. Vooral het aantal indicatoren dat verdwijnt bij aanwezigheid van een stressor is laag, de meeste indicatoren nemen af in aantal. Het aantal negatieve indicatoren is uiterst beperkt.

## 3.6 Hoeveel nieuwe indicatoren zijn mogelijk geschikt?

Uit tabel 16 blijkt dat ongeveer een kwart van de indicatoren macrofauna afvalt wanneer de moeilijk determinerbare en/of slecht betrouwbare soorten worden weggelaten uit de selectie. Hier komt nog een kwart bij wanneer ook de matig determineerbare en matig betrouwbare worden weggelaten. Per KRW type blijft dan ongeveer de helft aan indicatoren over, hetgeen betekent dat tussen 34% en 79% indicatoren rest. In aantallen is dat minimaal 9 indicatoren voor laagveen vaarten en kanalen en maximaal 128 indicatoren in de langzaam stromende rivier/nevengeul op zand/klei.

*Tabel 16. Aantal indicatoren macrofauna per KRW-type per gecombineerde determineerbaarheids- en betrouwbaarheidscategorie*

| determineerbaarheid/betrouwbaarheid macrofauna | moeilijk/ slecht | | matig/matig | | gemakkelijk /goed | |
|---|---|---|---|---|---|---|
| | aantal | % | aantal | % | aantal | % |
| Diepe gebufferde meren | 23 | 21 | 24 | 22 | 60 | 56 |
| Diepe kalkrijke meren | 3 | 16 | 1 | 5 | 15 | 79 |
| Diepe laagveenmeren | 16 | 31 | 12 | 24 | 23 | 45 |
| Diepe meren in open verbinding met rivier | 1 | 5 | 4 | 20 | 15 | 75 |
| Diepe zure meren | 8 | 26 | 5 | 16 | 18 | 58 |
| Diepe zwakgebufferde meren | 8 | 24 | 8 | 24 | 17 | 52 |
| Droogvallende bron | 14 | 23 | 17 | 27 | 31 | 50 |
| Droogvallende langzaam stromende bovenloop op zand | 34 | 35 | 21 | 22 | 41 | 43 |
| Gebufferde (regionale) kanalen | 7 | 23 | 9 | 29 | 15 | 48 |
| Gebufferde laagveensloten | 14 | 17 | 19 | 23 | 48 | 59 |
| Gebufferde sloten (overgangssloten, sloten in rivierengebied) | 10 | 21 | 8 | 17 | 29 | 62 |
| Getijdengebied | 21 | 45 | 5 | 11 | 21 | 45 |
| Grote diepe gebufferde meren | 11 | 26 | 4 | 10 | 27 | 64 |
| Grote diepe kanalen | 15 | 22 | 15 | 22 | 37 | 55 |
| Grote ondiepe kanalen | 17 | 27 | 14 | 22 | 32 | 51 |
| Laagveen vaarten en kanalen | 6 | 33 | 3 | 17 | 9 | 50 |
| Langzaam stromend riviertje op zand/klei | 12 | 15 | 18 | 23 | 50 | 63 |
| Langzaam stromende bovenloop op kalkhoudende bodem | 43 | 25 | 44 | 26 | 84 | 49 |
| Langzaam stromende bovenloop op veenbodem | 12 | 16 | 22 | 30 | 39 | 53 |
| Langzaam stromende middenloop op kalkhoudende bodem | 25 | 18 | 32 | 23 | 80 | 58 |

| determineerbaarheid/betrouwbaarheid macrofauna | moeilijk/ slecht | | matig/matig | | gemakkelijk /goed | |
|---|---|---|---|---|---|---|
| | aantal | % | aantal | % | aantal | % |
| Langzaam stromende middenloop/benedenloop op veenbodem | 5 | 15 | 11 | 33 | 17 | 52 |
| Langzaam stromende middenloop/benedenloop op zand | 33 | 18 | 45 | 25 | 102 | 57 |
| Langzaam stromende rivier/nevengeul op zand/klei | 85 | 33 | 42 | 16 | 128 | 50 |
| Matig brakke wateren | 22 | 25 | 11 | 13 | 55 | 63 |
| Matig grote diepe gebufferde meren | 17 | 18 | 27 | 29 | 49 | 53 |
| Matig grote diepe laagveenmeren | 5 | 23 | 5 | 23 | 12 | 55 |
| Matig grote ondiepe laagveenplassen | 31 | 34 | 25 | 28 | 34 | 38 |
| Ondiep lijnvormig water, open verbinding met rivier geïnundeerd | 16 | 23 | 8 | 11 | 46 | 66 |
| Ondiepe (grote) gebufferde plassen | 5 | 17 | 7 | 24 | 17 | 59 |
| Ondiepe (kleinere) gebufferde plassen | 31 | 30 | 31 | 30 | 40 | 39 |
| Ondiepe (matig grote) gebufferde plassen | 16 | 31 | 12 | 24 | 23 | 45 |
| Ondiepe kalkrijke (grotere) plassen | 2 | 7 | 4 | 14 | 22 | 79 |
| Ondiepe kalkrijke (kleinere) plassen | 8 | 13 | 14 | 22 | 42 | 66 |
| Ondiepe laagveenplassen | 31 | 34 | 25 | 28 | 34 | 38 |
| Ondiepe zure plassen (vennen) | 21 | 26 | 24 | 29 | 37 | 45 |
| Ondiepe zwak gebufferde hoogveenplassen/vennen | 11 | 22 | 17 | 35 | 21 | 43 |
| Ondiepe zwak gebufferde plassen (vennen) | 10 | 11 | 29 | 33 | 50 | 56 |
| Permanente bron | 27 | 19 | 39 | 27 | 78 | 54 |
| Permanente langzaam stromende bovenloop op zand | 54 | 25 | 56 | 26 | 109 | 50 |
| Snelstromend riviertje op kiezelhoudende bodem | 16 | 22 | 20 | 27 | 38 | 51 |
| Snelstromende bovenloop op kalkhoudende bodem | 31 | 25 | 27 | 21 | 68 | 54 |
| Snelstromende bovenloop op zand | 31 | 25 | 27 | 21 | 68 | 54 |
| Snelstromende midden/benedenloop op kalkhoudende bodem | 31 | 22 | 34 | 24 | 76 | 54 |
| Snelstromende midden/benedenloop op zand | 31 | 22 | 34 | 24 | 76 | 54 |
| Snelstromende rivier/nevengeul op zandbodem of grind | 75 | 31 | 41 | 17 | 127 | 52 |
| Sterk brakke tot zoute wateren | 18 | 30 | 8 | 13 | 35 | 57 |
| Zoet getijdenwater (uitlopers rivier) op zand/klei | 15 | 36 | 3 | 7 | 24 | 57 |
| Zwak brakke wateren | 25 | 22 | 15 | 13 | 76 | 66 |
| Zwak gebufferde (regionale) kanalen | 10 | 19 | 15 | 28 | 28 | 53 |
| Zwak gebufferde hoogveensloten | 9 | 21 | 11 | 26 | 23 | 53 |
| Zwak gebufferde sloten (poldersloten) | 7 | 20 | 16 | 46 | 12 | 34 |
| *gemiddeld* | | *23* | | *23* | | *54* |

*Tabel 17. Aantal indicatoren macrofyten per KRW-type per determineerbaarheidscategorie*

| determineerbaarheid macrofyten | moeilijk | | matig | | makkelijk | | onbekend | |
|---|---|---|---|---|---|---|---|---|
| | *aantal* | *%* | *aantal* | *%* | *aantal* | *%* | *aantal* | *%* |
| Diepe gebufferde meren | 23 | 46 | 8 | 16 | 16 | 32 | 3 | 6 |
| Diepe kalkrijke meren | 3 | 25 | 2 | 17 | 7 | 58 | 0 | 0 |
| Diepe laagveenmeren | 4 | 27 | 4 | 27 | 6 | 40 | 1 | 7 |
| Diepe meren in open verbinding met rivier | 2 | 50 | 0 | 0 | 2 | 50 | 0 | 0 |
| Diepe zure meren | 2 | 29 | 1 | 14 | 1 | 14 | 3 | 43 |
| Diepe zwakgebufferde meren | 3 | 30 | 2 | 20 | 5 | 50 | 0 | 0 |
| Droogvallende bron | 0 | 0 | 1 | 10 | 4 | 40 | 5 | 50 |
| Droogvallende langzaam stromende bovenloop op zand | 1 | 7 | 5 | 33 | 8 | 53 | 1 | 7 |
| Gebufferde (regionale) kanalen | 4 | 15 | 10 | 37 | 13 | 48 | 0 | 0 |

| determineerbaarheid macrofyten | moeilijk | | matig | | makkelijk | | onbekend | |
|---|---|---|---|---|---|---|---|---|
| | *aantal* | *%* | *aantal* | *%* | *aantal* | *%* | *aantal* | *%* |
| Gebufferde laagveensloten | 21 | 45 | 7 | 15 | 18 | 38 | 1 | 2 |
| Gebufferde sloten (overgangssloten, sloten in rivierengebied) | 0 | 0 | 2 | 29 | 5 | 71 | 0 | 0 |
| Getijdengebied | 0 | 0 | 4 | 17 | 5 | 21 | 15 | 63 |
| Grote diepe gebufferde meren | 5 | 33 | 3 | 20 | 7 | 47 | 0 | 0 |
| Grote diepe kanalen | 7 | 35 | 7 | 35 | 6 | 30 | 0 | 0 |
| Grote ondiepe kanalen | 7 | 35 | 7 | 35 | 6 | 30 | 0 | 0 |
| Langzaam stromend riviertje op zand/klei | 3 | 25 | 7 | 58 | 2 | 17 | 0 | 0 |
| Langzaam stromende bovenloop op kalkhoudende bodem | 3 | 21 | 5 | 36 | 6 | 43 | 0 | 0 |
| Langzaam stromende bovenloop op veenbodem | 1 | 17 | 3 | 50 | 2 | 33 | 0 | 0 |
| Langzaam stromende middenloop op kalkhoudende bodem | 6 | 35 | 8 | 47 | 2 | 12 | 1 | 6 |
| Langzaam stromende middenloop/benedenloop op veenbodem | 1 | 33 | 1 | 33 | 1 | 33 | 0 | 0 |
| Langzaam stromende middenloop/benedenloop op zand | 6 | 29 | 10 | 48 | 4 | 19 | 1 | 5 |
| Langzaam stromende rivier/nevengeul op zand/klei | 2 | 22 | 5 | 56 | 2 | 22 | 0 | 0 |
| Matig brakke wateren | 4 | 31 | 6 | 46 | 2 | 15 | 1 | 8 |
| Matig grote diepe gebufferde meren | 11 | 34 | 8 | 25 | 10 | 31 | 3 | 9 |
| Matig grote diepe laagveenmeren | 2 | 22 | 2 | 22 | 5 | 56 | 0 | 0 |
| Matig grote ondiepe laagveenplassen | 11 | 41 | 4 | 15 | 11 | 41 | 1 | 4 |
| Ondiep lijnvormig water, open verbinding met rivier geinundeerd | 9 | 25 | 7 | 19 | 20 | 56 | 0 | 0 |
| Ondiepe (grote) gebufferde plassen | 18 | 47 | 4 | 11 | 15 | 39 | 1 | 3 |
| Ondiepe (kleinere) gebufferde plassen | 16 | 35 | 9 | 20 | 19 | 41 | 2 | 4 |
| Ondiepe (matig grote) gebufferde plassen | 4 | 27 | 4 | 27 | 6 | 40 | 1 | 7 |
| Ondiepe kalkrijke (grotere) plassen | 5 | 31 | 7 | 44 | 3 | 19 | 1 | 6 |
| Ondiepe kalkrijke (kleinere) plassen | 9 | 26 | 10 | 29 | 14 | 40 | 2 | 6 |
| Ondiepe laagveenplassen | 11 | 41 | 4 | 15 | 11 | 41 | 1 | 4 |
| Ondiepe zure plassen (vennen) | 2 | 20 | 2 | 20 | 2 | 20 | 4 | 40 |
| Ondiepe zwak gebufferde hoogveenplassen/vennen | 3 | 10 | 12 | 39 | 8 | 26 | 8 | 26 |
| Ondiepe zwak gebufferde plassen (vennen) | 10 | 26 | 14 | 37 | 11 | 29 | 3 | 8 |
| Permanente bron | 0 | 0 | 1 | 5 | 11 | 55 | 8 | 40 |
| Permanente langzaam stromende bovenloop op zand | 3 | 17 | 7 | 39 | 8 | 44 | 0 | 0 |
| Snelstromend riviertje op kiezelhoudende bodem | 0 | 0 | 3 | 100 | 0 | 0 | 0 | 0 |
| Snelstromende bovenloop op kalkhoudende bodem | 3 | 33 | 3 | 33 | 2 | 22 | 1 | 11 |
| Snelstromende bovenloop op zand | 3 | 33 | 3 | 33 | 2 | 22 | 1 | 11 |
| Snelstromende midden/benedenloop op kalkhoudende bodem | 2 | 25 | 6 | 75 | 0 | 0 | 0 | 0 |
| Snelstromende midden/benedenloop op zand | 2 | 25 | 6 | 75 | 0 | 0 | 0 | 0 |
| Snelstromende rivier/nevengeul op zandbodem of grind | 2 | 22 | 5 | 56 | 2 | 22 | 0 | 0 |
| Sterk brakke tot zoute wateren | 0 | 0 | 4 | 80 | 0 | 0 | 1 | 20 |
| Zoet getijdenwater (uitlopers rivier) op zand/klei | 2 | 13 | 4 | 27 | 9 | 60 | 0 | 0 |
| Zwak brakke wateren | 13 | 41 | 12 | 38 | 5 | 16 | 2 | 6 |

| determineerbaarheid macrofyten | moeilijk | | matig | | makkelijk | | onbekend | |
|---|---|---|---|---|---|---|---|---|
| | *aantal* | *%* | *aantal* | *%* | *aantal* | *%* | *aantal* | *%* |
| Zwak gebufferde (regionale) kanalen | 6 | 32 | 6 | 32 | 5 | 26 | 2 | 11 |
| Zwak gebufferde hoogveensloten | 6 | 40 | 3 | 20 | 4 | 27 | 2 | 13 |
| Zwak gebufferde sloten (poldersloten) | 6 | 23 | 11 | 42 | 6 | 23 | 3 | 12 |

Uit tabel 18 blijkt dat de meeste vissen gemakkelijk determineerbaar zijn en de gegevens betrouwbaar. Gezien het lage aantal zijn geen percentages opgenomen. Een klein aantal (0-9) vissoorten zijn matig determineerbaar en/of matig betrouwbaar.

*Tabel 18. Aantal indicatoren vissen per KRW-type per per gecombineerde determineerbaarheids- en betrouwbaarheidscategorie*

| determineerbaarheid/betrouwbaarheid vissen | moeilijk/ slecht | matig/ matig | gemakkelijk /goed | geen score |
|---|---|---|---|---|
| Diepe gebufferde meren | | 4 | 18 | |
| Diepe laagveenmeren | | 3 | 7 | |
| Diepe meren in open verbinding met rivier | | 2 | 5 | |
| Diepe zwakgebufferde meren | | 3 | 15 | |
| Gebufferde (regionale) kanalen | | 5 | 16 | |
| Gebufferde laagveensloten | | 3 | 12 | |
| Gebufferde sloten (overgangssloten, sloten in rivierengebied) | | 1 | 8 | |
| Getijdengebied | 1 | 3 | 8 | 3 |
| Grote diepe gebufferde meren | | | 1 | |
| Grote diepe kanalen | | 4 | 14 | |
| Grote ondiepe kanalen | | 4 | 14 | |
| Laagveen vaarten en kanalen | | 2 | 13 | |
| Langzaam stromend riviertje op zand/klei | | 5 | 19 | |
| Langzaam stromende bovenloop op kalkhoudende bodem | | 1 | 9 | |
| Langzaam stromende bovenloop op veenbodem | | | 2 | |
| Langzaam stromende middenloop op kalkhoudende bodem | | 8 | 20 | |
| Langzaam stromende middenloop/benedenloop op veenbodem | | | 4 | |
| Langzaam stromende middenloop/benedenloop op zand | | 8 | 24 | |
| Langzaam stromende rivier/nevengeul op zand/klei | 1 | 6 | 12 | |
| Matig brakke wateren | | 3 | 12 | 5 |
| Matig grote diepe gebufferde meren | | 6 | 18 | |
| Matig grote diepe laagveenmeren | | 3 | 7 | |
| Matig grote ondiepe laagveenplassen | | 3 | 10 | |
| Ondiep lijnvormig water, open verbinding met rivier geinundeerd | | 6 | 12 | |
| Ondiepe (grote) gebufferde plassen | | 1 | 7 | |
| Ondiepe (kleinere) gebufferde plassen | | 2 | 11 | |
| Ondiepe (matig grote) gebufferde plassen | | 3 | 7 | |
| Ondiepe laagveenplassen | | 3 | 10 | |
| Ondiepe zwak gebufferde hoogveenplassen/vennen | | | 3 | |
| Ondiepe zwak gebufferde plassen (vennen) | | 4 | 13 | |
| Permanente langzaam stromende bovenloop op zand | | 1 | 11 | |
| Snelstromend riviertje op kiezelhoudende bodem | | 4 | 12 | |
| Snelstromende bovenloop op kalkhoudende bodem | | 1 | 7 | |
| Snelstromende bovenloop op zand | | 1 | 7 | |

| determineerbaarheid/betrouwbaarheid vissen | moeilijk/ slecht | matig/ matig | gemakkelijk /goed | geen score |
|---|---|---|---|---|
| Snelstromende midden/benedenloop op kalkhoudende bodem | | 4 | 11 | |
| Snelstromende midden/benedenloop op zand | | 4 | 11 | |
| Snelstromende rivier/nevengeul op zandbodem of grind | 1 | 6 | 12 | |
| Sterk brakke tot zoute wateren | | 3 | 6 | 5 |
| Zoet getijdenwater (uitlopers rivier) op zand/klei | 1 | 8 | 15 | |
| Zwak brakke wateren | | 3 | 13 | 5 |
| Zwak gebufferde (regionale) kanalen | | 3 | 11 | |
| Zwak gebufferde hoogveensloten | | 2 | 11 | |
| Zwak gebufferde sloten (poldersloten) | | 1 | 9 | |

# 4 Conclusies en aanbevelingen

Concluderend kan worden gesteld dat een selectie van indicatoren alleen per KRW type kan gebeuren. Bij deze selectie kan dan met de gestelde criteria rekening worden gehouden. Een aantal van de in hoofdstuk 2 vermelde selectiecriteria bij de keuze van indicatoren zijn in dit onderzoek betrokken. Dit betreft:

√ De determineerbaarheid;
√ De betrouwbaarheid van de gegevens;
√ De indicatieve waarde (positief of negatief).

Voor het criterium van de verwachte dekking van de indicator in de bestaande gegevensbestanden op basis van een inschatting van aanwezigheid in inventarisatiegegevens van regionale waterbeheerders is voor de macrofauna de zeldzaamheid toegevoegd. Bij een selectie kan hier rekening mee worden gehouden met als vuistregel dat hoe zeldzamer de soort des te minder wordt aan dit criterium (verwachte dekking) voldaan.

Over de laatste criteria (zie hoofdstuk 2):

√ De verwachte mogelijkheid tot het opstellen van een trend;
√ De toekomstige monitorbaarheid van de betreffende indicator.

is in dit rapport geen uitspraak gedaan.

In het vorige hoofdstuk zijn een aantal belangrijke vragen aan de orde gesteld. De belangrijkste conslusies hieruit zijn:

***Hoeveel indicatoren zijn beschikbaar?***

Van de 1242 indicatoren macrofauna zijn voldoende indicatoren voor hydrologische verstoring, morfologische verstoring, eutrofiëring en organische belasting beschikbaar. Alleen het aantal verdrogings- en verzuringsindicatoren blijft voor een aantal typen wat achter. Van bijna 30% van de macrofaunasoorten is geen indicatie bekend.

Van de 249 indicatoren macrofyten is de overgrote meerderheid indicatief voor eutrofiëring en verzilting. Er is een redelijk aantal beschikbaar voor hydrologische verstoring, inlaatwater, verontreiniging, verzuring, verdroging, schaduw en stroming. Het aantal indicatoren macrofyten voor morfologische verstoring en verzoeting blijft wat achter.

Van de 51 indicatoren vissen is ongeveer tweederde steeds indicatief voor hydrologische verstoring, morfologische verstoring, eutrofiëring en organische belasting, verzuring of verdroging/droogval.

***Wat is de indicatieve waarde van de bestaande MNP indicatoren?***

De indicatieve waarde van de bestaande MNP indicatoren macrofauna is beperkt voor de laagveensloten maar iets hoger voor de beken. Een oorzaak voor dit verschil is moeilijk aan te geven. Hiervoor zouden de betreffende taxa afzonderlijk moeten worden geëvalueerd. Het lijkt erop dat het juist meer algemene taxa betreft, hetgeen in deze studie vooraf is uitgesloten. De indicatieve waarde van de bestaande MNP macrofyten en indicatoren vissen is geschikt gebleken.

***Welke organismengroepen bieden het meeste perspectief?***
Deze vraag is te open. De keuze van de organismengroep hangt sterk af van het watertype en de schaal waarop uitspraken gedaan gaan worden. Pas met deze keuzen in het achterhoofd is het mogelijk indicatoren te selecteren.

***Hoe bruikbaar zijn de potentiële indicatoren?***
Circa eenderde van de indicatoren macrofauna is op basis van determineerbaarheid en betrouwbaarheid niet geschikt. Ook eenderde van de macrofyten is op basis van determineerbaarheid niet geschikt. Van de vissen is slechts circa een tiende deel niet geschikt op basis van determineerbaarheid. Het aantal negatieve indicatoren is voor alle groepen matig beperkt (macrofyten) tot zeer beperkt (macrofauna en vissen).

De selectie van indicatoren is gebaseerd op snel beschikbare gegevens. Dit legt beperkingen op aan de onmiddellijke toepassing. Niet alle indicaties zijn even sterk onderbouwd en voor gebruik dient deze beperking in acht te worden genomen.
Uit de studie komen een aantal aanbevelingen naar voren:

1. Het is van groot belang om de geselecteerde indicatoren te valideren met behulp van bestaande gegevens met bekende waterkwaliteit of andere status ten aanzien van één of meerdere stressoren.
2. Het is van belang de indicator-stressor relatie watertype specifiek uit te werken.
3. Verder zou een met literatuurreferenties onderbouwde verfijning van keuze van indicatoren de waarde aanzienlijk kunnen vergroten.
4. Voor de indicatoren die na een verfijnde selectie in aanmerking komen voor de praktische toepassing is het verrichten van autecologisch onderzoek zeer aan te bevelen. Dergelijk onderzoek levert een kwantificering van de specifieke respons van deze indicatoren voor concrete milieu-omstandigheden.

## Referenties


Bloemendaal, F.H.J.L. & J.G.M. Roelofs (red.), 1988. Waterplanten en waterkwaliteit. Uitgave van de Koninklijke Natuurhistorische Vereniging, Utrecht, 113-125.

Buskens R.A.E., 2001. Referentie en natuurwaardering voor regionale watertypen. Een uitwerking voor macrofauna in laagveensloten en beken. RIVM, Royal Haskoning. 46 pp.

Crombachs B.H.J.M., Akkermans R.W., R.E.M.B. Gubbels & G. Hoogerwerf, 2000. Vissen in Limburgse beken. de verspreiding en ecologie van vissen in stromende wateren in Limburg. Natuurhistorisch Genootschap in Limburg. Stichting Natuurpublicaties Limburg, Maastricht. 495 pp.

De Nie H.W., 1996. Atlas van de Nederlandse Zoetwatervissen. Media Publishing, Doetinchem. 151 pp.

Elbersen J.W.H., Verdonschot P.F.M., Roels B. & Hartholt J.G. 2003. Definitiestudie KaderRichtlijn Water (KRW). I. Typologie Nederlandse Oppervlaktewateren. Alterra-rapport 669, ISSN 1566-7197. 72 blz.

Europese Commissie, 2000. Directive 2000/60/EC of the European Parliament and of the Council. Establishing a framework for Community action in the field of water policy.

Haslam, S.M., Sinker, C.A., Wolseley, P.A., 1975. British water plants. An illustrated key based on the vegetative features of vascular plants growing in fresh water, with notes on their ecological and geographical distribution. Field Studies, 4: 243-351.

Hellawell J.M., 1978. Biological surveillance of rivers. A biological monitoring handbook. NERC, Stevenage, 333 p.

Nijboer R.C., 2002. Keylinks: Ecologische processen in sloten en beken: Tussentijds rapport met literatuuronderzoek, opzet van veldwerk en experimenten. Wageningen, Alterra. 137 pp.

RIVM, 2003. Uitwerking van de graadmeter 'Natuurkwaliteit' voor vissen van zoete laagveenplassen. Witteveen & Bos, RIVM. 37 pp.

Robertson A. & Davis W., 1993. The selection and use of water quality indicators. Water Environmental Federation, speciality conference Anaheim.

Schaminée J.H.J., A.H.F. Stortelder & V. Westhoff, 1995. De vegetatie van Nederland. Deel 1-5. Opulus Press, Uppsala, Leiden.

Verdonschot, P.F.M. (1990): Ecologische karakterisering van oppervlaktewa-teren in Overijssel. Het netwerk van cenotypen als instument voor ecologisch beheer, inrichting en beoordeling van oppervlaktewateren. Provin-cie Overijssel, Zwolle. Rijksinstituut voor Natuurbe-heer, Leersum. 301 pp.

Verdonschot, P.F.M., Runhaar, H., Hoek W.F. van der, Bok, C.F.M. de & Specken, B.P.M. 1992. Een aanzet tot een ecologische indeling van opper-vlaktewateren in Nederland. IBN/RIN rapp. 92, CML rep. 78: 1-100.

Weeda, E.J., Westra, R., Westra, Ch. & Westra, T., 1994. Nederlandse oecologische flora; wilde planten en hun relaties, deel I t/m V. IVN, VARA & Vewin, Amsterdam.

Zuidhoff A.C., N.A.C. Smits, H.J. Schaminée & A.J.M. Jansen, 2002. Verandering van natuurwaarde in regionale oppervlaktewatersystemen tussen 1950 en 2000. Voorstudie Natuurverkenning 2. KIWA, Alterra. 77 pp.

## Bijlagen


| | | |
|---|---|---|
| 1 | Indicatoren macrofauna | 45 |
| 2 | Indicatoren macrofyten | 103 |
| 3 | Indicatoren vissen | 119 |
| 4 | Macrofauna indicatorsoort of doelsoort in aquatisch supplement typen die onder het respectievelijke krw type vallen | 123 |
| 5 A | Macrofyten indicatorsoort of doelsoort in aquatisch supplement typen die onder het respectievelijke krw type vallen | 167 |
| 5 B | Macrofyten indicatorsoort voor bestaande MNP rapporten | 177 |
| 6 A | Vissen indicatorsoort of doelsoort in aquatisch supplement typen die onder het respectievelijke krw type vallen | 185 |
| 6 B | Vissen indicatorsoort in de bestaande MNP rapporten | 187 |
| 7 | Verklaring van codes KRW en MNP watertypen | 189 |

# Bijlage 1 Indicatoren macrofauna

(betekenis codes: zeldzaamheid: u=uitgestorven, zz=zeer zeldzaam, z=zeldzaam, vz=vrij zeldzaam, va=vrij algemeen, a=algemeen, za=zeer algemeen: stressoren: 1=neemt af, 2=neemt sterk af, 3=verdwijnt, -1=neemt toe, -2=neemt sterk toe, -3=neemt explosief toe.: determineerbaarheid: 1=moeilijk, 2=matig, 3=gemakkelijk: betrouwbaarheid: 1=slecht, 2=matig, 3=goed), inclusief de indicatoren zoals opgenomen in de bestaande MNP rapporten.

| **taxonnaam** | **geen kwr ind** | **zeldzaamheidsklasse** | **laaglandbeek (MNP indicatoren)** | **heuvellandbeek (MNP indicatoren)** | **laagveensloot (MNP indicatoren)** | **hydrologische verstoring** | **morfologische verstoring** | **eutrofiëring/organische belasting** | **verzuring** | **verdroging/droogval** | **geen indicatie** | **onbekend** | **determineerbaarheid** | **betrouwbaarheid gegevens** | **opmerkingen bij determineerbaarheid/ betrouwbaarheid** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ablabesmyia longistyla | | a | | | 0.3 | | | | | | 0 | | 3 | 3 | |
| Ablabesmyia monilis | | a | | | 0.3 | | | | | | 0 | | 2 | 2 | |
| Ablabesmyia phatta | | a | | | 0.3 | | | | | | 0 | | 2 | 2 | |
| Acentria ephemerella | | z | | | | | | | | | | | 2 | 2 | |
| Acentria sp | | x | | | | | | | | | | | 3 | 2 | |
| Acilius canaliculatus | | vz | | | | | | 2 | | | | | 3 | 3 | |
| Acroloxus lacustris | | za | | | | | | | 1 | | | | 3 | 3 | |
| Adicella filicornis | | zz | | | | 3 | | | | | | | 3 | 3 | |
| Adicella reducta | | z | | | | | 3 | 2 | | | | | 3 | 3 | |
| Aedes cantans | | - | | | | 1 | | | | | | | 3 | 3 | |
| Aedes communis | | | | | | 1 | | | | | | | 3 | 3 | |
| Aedes punctor | | a | | | | 1 | | | | | | | 3 | 3 | |
| Aedes sp | | za | | | | 1 | | | | | | | 3 | 3 | |
| Aeshna affinis | | zz | | | | | | 3 | | | | | 2 | 2 | |
| Aeshna cyanea | | va | | | | | | | | | 0 | | 2 | 2 | |
| Aeshna grandis | | va | | | | | | | | | 0 | | 2 | 2 | |
| Aeshna juncea | | vz | | | | | | 3 | | | | | 2 | 2 | |
| Aeshna mixta | | a | | | | | | 1 | | | | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Aeshna viridis | | zz | | | | | | 3 | | | | | 2 | 2 | |
| Agabus affinis | | z | | | | | | 3 | | | | | 1 | 1 | |
| Agabus biguttatus | | zz | | | | 3 | 3 | | | | | ? | 2 | 2 | |
| Agabus bipustulatus | | za | | | | | | | | | 0 | | 3 | 3 | |
| Agabus chalconatus | | vz | | | | 3 | | | | | | | 1 | 1 | |
| Agabus congener | | z | | | | | | | | | | ? | 1 | 1 | |
| Agabus conspersus | | z | | | | | | | | | 0 | | 3 | 3 | |
| Agabus didymus | | va | | | | | | | | | 0 | | 3 | 3 | |
| Agabus guttatus | | z | | | | 3 | 2 | 2 | | | | | 2 | 2 | |
| Agabus labiatus | | vz | | | | | | 2 | | | | | 2 | 2 | |
| Agabus melanarius | | zz | | | | 3 | | | | | | | 2 | 2 | |
| Agabus nebulosus | | va | | | | | | | | | 0 | | 3 | 3 | |
| Agabus neglectus | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Agabus paludosus | | va | 0.3 | 0.4 | | | 1 | | | | | ? | 1 | 1 | |
| Agabus striolatus | | z | | | | | | | | | | ? | 3 | 3 | |
| Agabus sturmii | | za | | | | | | | | | 0 | | 2 | 2 | |
| Agabus uliginosus | | z | | | | 3 | | | | | | | 1 | 1 | |
| Agabus undulatus | | va | | | | | | | | | 0 | | 3 | 3 | |
| Agabus unguicularis | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Agapetus fuscipes | | vz | | | | 3 | 3 | | | | | | 3 | 3 | |
| Agapetus ochripes | | zz | | | | 3 | 3 | | | | | | 3 | 1 | |
| Agraylea multipunctata | | a | | | | | | | | | 0 | | 3 | 3 | |
| Agriolimax reticulatus | | x | | | | | | | | | 0 | | 0 | 0 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Agrypnia obsoleta | | vz | | | | | | 3 | 2 | | | | 2 | 2 | |
| Agrypnia pagetana | | a | | | | | | 1 | | | | | 2 | 2 | |
| Agrypnia varia | | vz | | | | | | 3 | 2 | | | | 2 | 2 | |
| Alderia modesta | | x | | | | 3 | | | | | | | 0 | 0 | marien naaktslakje, geen sleutel |
| Allogamus auricollis | | zz | | | | 3 | | | | | | | 3 | 3 | |
| Ametropus fragilis | | u | | | | | 3 | | | | | ? | 3 | 3 | |
| Amphichaeta leydigii | | z | | | | 1 | | | | | | | 2 | 2 | |
| Amphichaeta sannio | | vz | | | | 1 | | | | | | | 2 | 2 | |
| Amphinemura standfussi | | z | | | | 3 | 2 | | | | | | 1 | 1 | |
| Amphinemura sulcicollis | | z | | | | 3 | 2 | | | | | | 1 | 1 | |
| Amphipoda | | x | | | | | | | | | | | 3 | 3 | |
| Anabolia brevipennis | | z | | | | | | 3 | | | | | 2 | 2 | |
| Anabolia nervosa | | a | 0.6 | | | -3 | -3 | | | | 0 | | 2 | 2 | |
| Anacaena globulus | | za | | | | | | | | | 0 | | 3 | 3 | |
| Anacaena limbata | | za | | | | | | | | | 0 | | 3 | 1 | |
| Anacaena lutescens | | za | | | | | | | | | 0 | | 3 | 1 | |
| Anatopynia plumipes | | va | | | | | | | | | 0 | | 3 | 3 | |
| Anax imperator | | a | | | | | | 1 | | | | | 3 | 3 | |
| Ancylus fluviatilis | | va | 0.3 | 0.6 | | | | | | | 0 | | 3 | 3 | |
| Anisus leucostomus | | va | | | | | | | | | 0 | | 1 | 1 | |
| Anisus spirorbis | | - | | | | | | | | | | ? | 1 | 1 | |
| Anisus vortex | | za | | | | | | | | | 0 | | 2 | 2 | |
| Anisus vorticulus | | va | | | | | | | | | 0 | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Annitella obscurata | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Anodonta anatina | | a | | | | | | 1 | | | | | 3 | 3 | |
| Anodonta cygnea | | va | | | | | | | | | 0 | | 3 | 3 | |
| Anodonta cygnea cygnea | | va | | | | | | | | | 0 | | 3 | 3 | |
| Anopheles maculipennis | | - | | | | | | | | | 0 | | 3 | 1 | |
| Antocha vitripennis | | - | | | | 1 | | | | | | | 2 | 2 | |
| Apatania fimbriata | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Aphelocheirus aestivalis | | z | 0.1 | 0.1 | | 2 | 3 | | | | | | 3 | 3 | |
| Aplexa hypnorum | | va | | | | | | | | | 0 | | 3 | 3 | |
| Apsectrotanypus trifascipennis | 1 | a | 0.4 | 0.4 | | -2 | -2 | -2 | | | | | 2 | 2 | |
| Aquarius najas | | z | 0.5 | 0.1 | | 1 | 3 | | | | | | 3 | 3 | |
| Aquarius paludulum | | z | | | | | | 3 | | | | | 3 | 3 | |
| Arctocorisa germari | | vz | | | | | | 3 | | | | | 3 | 3 | |
| Arenicola marina | | - | | | | | | | | | 0 | | 3 | 3 | |
| Argyroneta aquatica | | za | | | 0.8 | | | | | | 0 | | 3 | 3 | |
| Armiger crista | | za | | | | | | | | | 0 | | 3 | 3 | |
| Arrenurus affinis | | z | | | | | | 3 | | | | | 1 | 1 | |
| Arrenurus albator | | a | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus batillifer | | vz | | | | | | 3 | | | | | 1 | 1 | |
| Arrenurus bicuspidator | | va | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus bifidicodulus | | va | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus biscissus | | zz | | | | | | | | | 0 | ? | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arrenurus buccinator | | a | | | 0.5 | | | | | | 0 | | 1 | 1 | |
| Arrenurus claviger | | vz | | | | | | 2 | | | | | 1 | 1 | |
| Arrenurus compactus | | z | | | | | | 3 | | | | | 1 | 1 | |
| Arrenurus crassicaudatus | | za | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus cuspidator | | va | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus cuspidifer | | va | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus cylindratus | | vz | 0.4 | 0.4 | | 2 | 2 | | | | | | 1 | 1 | |
| Arrenurus fimbriatus | | va | | | 0.5 | | | | | | 0 | | 1 | 1 | |
| Arrenurus forpicatus | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Arrenurus globator | | za | | | 0.8 | | | | | | 0 | | 1 | 1 | |
| Arrenurus inexploratus | | va | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus integrator | | va | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus knauthei | | a | | | 0.3 | | | | | | 0 | | 1 | 1 | |
| Arrenurus latus | | za | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus leuckarti | | vz | | | | | | 3 | | | | | 1 | 1 | |
| Arrenurus maculator | | vz | | | | | | 2 | | | | | 1 | 1 | |
| Arrenurus neumani | | vz | | | | | | 3 | | | | | 1 | 1 | |
| Arrenurus perforatus | | va | | | | | | 1 | | | | | 1 | 1 | |
| Arrenurus pugionifer | | - | | | | | | 3 | | | | | 1 | 1 | |
| Arrenurus securiformis | | a | | | 0.5 | | | | | | 0 | | 1 | 1 | |
| Arrenurus sinuator | | za | | | | | | | | | 0 | | 1 | 1 | |
| Arrenurus stecki | | vz | | | | | | 2 | | | | | 1 | 1 | |
| Arrenurus tricuspidator | | vz | | | | | | 2 | | | | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arrenurus truncatellus | | vz | | | | | | 2 | | | | | 1 | 1 | |
| Arrenurus virens | | z | | | | | | 3 | | | | | 1 | 1 | |
| Asellus aquaticus | | za | | | | | | | | | 0 | | 3 | 3 | |
| Assiminea grayana | | - | | | | 1 | | | | | | | 3 | 3 | |
| Astacus astacus | | zz | 0.1 | 0.1 | | | 3 | | | | | | 3 | 3 | |
| Atherix sp | | z | | | | | 3 | | | | | | 3 | 3 | |
| Athripsodes albifrons | | zz | | | | 3 | 3 | | | | | | 2 | 2 | |
| Athripsodes aterrimus | | za | | | 0.5 | | | | | | 0 | | 3 | 3 | |
| Athripsodes cinereus | | va | | | | | 1 | | | | | | 2 | 2 | |
| Atractides ovalis | | vz | | | | | | 2 | | | | | 1 | 1 | |
| Atyaephyra desmaresti | | va | | | | | | | | | 0 | | 3 | 3 | |
| Aulodrilus limnobius | | vz | | | | | | 1 | | | | | 2 | 2 | |
| Aulodrilus pigueti | | vz | | | | | | | | | | ? | 2 | 2 | |
| Aulodrilus pluriseta | | a | | | | | | | | | 0 | | 1 | 1 | |
| Baetis buceratus | | zz | | | | | 3 | | | | | | 2 | 2 | |
| Baetis digitatus | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Baetis fuscatus | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Baetis lutheri | | zz | | | | | 3 | 3 | | | | | 3 | 3 | |
| Baetis muticus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Baetis niger | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Baetis rhodani | | va | 0.1 | 0.6 | | 2 | | | | | | ? | 3 | 3 | |
| Baetis scambus | | z | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Baetis sp | | x | | | | 1 | 1 | | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Baetis tracheatus | | zz | | | | | | | | | | ? | 3 | 3 | |
| Baetis vernus | | a | 0.6 | 0.6 | | 1 | 1 | | | | | | 3 | 3 | |
| Balanus improvisus | | - | | | | | 1 | | | | | | 2 | 2 | |
| Bathyomphalus contortus | | za | | | | | | | | | 0 | | 3 | 3 | |
| Bathyporeia pilosa | | | | | | 1 | | | | | | | 0 | 0 | |
| Batracobdella verrucata | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Bdellocephala punctata | | z | | | | | | 3 | | | | | 3 | 3 | |
| Beckidia zabolotskyi | | | | | | | 2 | | | | | | 1 | 1 | |
| Beraea maura | | z | | | | 3 | | | | | | | 2 | 3 | |
| Beraea pullata | | vz | | | | 3 | 2 | | | | | | 2 | 3 | |
| Beraeodes minutus | | vz | 0.4 | | | 2 | 2 | | | | | | 3 | 3 | |
| Beris sp | | - | | | | 1 | | | | | | | 3 | 3 | |
| Berosus affinis | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Berosus luridus | | z | | | | | | 1 | | | | | 3 | 3 | |
| Berosus spinosus | | zz | | | | | | 2 | | | | | 3 | 3 | |
| Bidessus grossepunctatus | | zz | | | | | | 3 | 3 | | | | 2 | 2 | |
| Bidessus sp | | vz | | | | | | 1 | 1 | | | | 3 | 3 | |
| Bidessus unistriatus | | vz | | | | | | 3 | 3 | | | | 2 | 2 | |
| Bithynia tentaculata | | za | | | | | | | | | 0 | | 3 | 3 | |
| Boccardia ligerica | | | | | | | | | | | | ? | 0 | 0 | |
| Boophthora erythrocephala | | | 0.3 | 0.4 | | 1 | | | | | | | 1 | 1 | |
| Brachycentrus subnubilus | | zz | | | | | 3 | 3 | | | | | 3 | 3 | |
| Brachycercus harrisella | | zz | 0.1 | | | | 3 | 3 | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brachypoda versicolor | | va | | | | | | | | | 0 | | 3 | 3 | |
| Brachyptera braueri | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Brachyptera risi | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Brachytron pratense | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Branchiura sowerbyi | | va | | | | | | | | | 0 | | 3 | 3 | |
| Brillia flavifrons | | va | | | | 1 | | | | | | | 3 | 3 | |
| Brillia longifurca | | va | 0.3 | 0.4 | | | | | | | 0 | | 3 | 3 | |
| Brillia modesta | | a | 0.3 | 0.6 | | | | 2 | | | | | 3 | 3 | |
| Brychius elevatus | | zz | 0.1 | 0.1 | | 3 | 3 | | | | | | 3 | 3 | |
| Bryophaenocladius muscicola | | - | | | | | | | | | | ? | 1 | 1 | |
| Buchonomyia thienemanni | | x | | | | | | | | | | ? | 3 | 1 | |
| Caenis horaria | | za | | | 0.8 | | | | | | 0 | | 3 | 3 | |
| Caenis lactea | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Caenis luctuosa | | a | | | | | | | | | 0 | | 3 | 3 | |
| Caenis macrura | | vz | | | | | 2 | | | | | | 3 | 3 | |
| Caenis pseudorivulorum | | z | 0.1 | 0.1 | | 3 | 3 | | | | | | 3 | 3 | |
| Caenis rivulorum | | zz | | | | 3 | 3 | | | | | | 3 | 3 | |
| Caenis robusta | | za | | | 0.8 | | | | | | 0 | | 3 | 3 | |
| Caenis sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Calopteryx splendens | | va | 0.4 | 0.1 | | | | 1 | | | | | 3 | 3 | |
| Calopteryx virgo | | z | 0.1 | 0.1 | | | 3 | | | | | | 3 | 3 | |
| Carcinus maenas | | - | | | | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cardiocladius capucinus | | - | | | | | | | | | 0 | | 2 | 2 | |
| Cardiocladius fuscus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Cardiocladius sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Cataclysta lemnata | | za | | | | | | | | | 0 | | 3 | 3 | |
| Centroptilum luteolum | | va | 0.4 | | | | | | | | 0 | | 3 | 3 | |
| Centroptilum pennulatum | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Ceraclea alboguttata | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ceraclea annulicornis | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ceraclea dissimilis | | z | | | | 2 | 3 | 2 | | | | | 3 | 3 | |
| Ceraclea fulva | | z | | | | 2 | 3 | | | | | | 3 | 3 | |
| Ceraclea nigronervosa | | zz | | | | 2 | 3 | 3 | | | | | 3 | 3 | |
| Ceraclea riparia | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ceraclea senilis | | vz | | | | 2 | | 2 | | | | | 3 | 3 | |
| Cerastoderma edule | | - | | | | | | 3 | | | | | 3 | 3 | |
| Cerastoderma glaucum | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Cercion lindenii | | z | | | | | 3 | 3 | | | | | 3 | 3 | |
| Ceriagrion tenellum | | z | | | | | | 3 | | | | | 3 | 3 | |
| Chaetocladius gr vitellinus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Chaetocladius laminatus | | zz | | | | 3 | 3 | | | | | | 1 | 1 | |
| Chaetocladius melaleucus agg | | zz | | | | 3 | 3 | | | | | | 3 | 3 | |
| Chaetocladius piger | | a | | | | | | | | | 0 | | 1 | 1 | |
| Chaetocladius sp | | x | | | | 3 | 3 | | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chaetocladius sp herkenbosch | | zz | | | | | | | | | | | 3 | 3 | |
| Chaetogaster langi | | z | | | | | 2 | 3 | | | | | 2 | 2 | |
| Chaetopteryx villosa | | va | 0.3 | 0.4 | | | 2 | 2 | | | | | 1 | 1 | |
| Chaoborus crystallinus | | a | | | | | | | | | 0 | | 3 | 3 | |
| Chaoborus flavicans | | a | | | | | | | | | 0 | | 3 | 3 | |
| Chaoborus obscuripes | | va | | | | | | | | | 0 | | 3 | 3 | |
| Chernovskiia orbicus | | x | | | | | 3 | 3 | | | | | 3 | 2 | |
| Cheumatopsyche lepida | | zz | | | | | 3 | 3 | | | | | 3 | 3 | |
| Chimarra marginata | | u | | | | 1 | 3 | 3 | | | | | 3 | 3 | |
| Chironomus (camptochironomus) | | x | | | | | | | | | 0 | | 3 | 3 | |
| Chironomus acutiventris | | vz | | | | | | 1 | | | | ? | 1 | 1 | |
| Chironomus aprilinus | | a | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus balatonicus | | vz | | | | | | 1 | | | | ? | 1 | 1 | |
| Chironomus cingulatus | | - | | | | | | | | | 0 | ? | 1 | 1 | |
| Chironomus gr annularius | | a | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus gr fluviatilis | | va | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus gr halophilus | | | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus gr plumosus | | za | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus gr reductus | | | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus gr thummi | | za | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus nuditarsus | | vz | | | | | | | | | 0 | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chironomus nudiventris | | va | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus plumosus | | va | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus salinarius | | vz | | | | | | | | | 0 | | 1 | 1 | |
| Chironomus sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Chironomus tentans | | a | | | | | | | | | 0 | | 1 | 1 | |
| Chloroperla tripunctata | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Choroterpes picteti | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Chrysogaster sp | | - | | | | 3 | | | | | | | 3 | 3 | |
| Chrysops relictus | | - | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Cladopelma gr lateralis | | va | | | | | | | | | 0 | | 3 | 3 | |
| Cladopelma laccophila | | z | | | | | | 2 | | | | | 1 | 1 | |
| Cladopelma viridula | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Cladotanytarsus atridorsum | | a | | | | | | | | | 0 | | 1 | 1 | |
| Cladotanytarsus mancus | | va | | | | 1 | 1 | | | | | | 1 | 1 | |
| Cladotanytarsus nigrovittatus | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Cladotanytarsus pallidus | | zz | | | | | 3 | 3 | | | | | 1 | 1 | |
| Cladotanytarsus sp | | za | | | | | | | | | 0 | | 3 | 3 | |
| Clinotanypus nervosus | | za | | | | | | | | | 0 | | 3 | 3 | |
| Cloeon dipterum | | za | | | 0.8 | | | | | | 0 | | 3 | 3 | |
| Cloeon simile | | a | | | | | | | | | 0 | | 3 | 3 | |
| Cnetha costata | | z | | | | 2 | 2 | | | | | | 1 | 1 | |
| Cnetha cryophila | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cnetha latipes | | vz | | | | 2 | | | | | | | 1 | 1 | |
| Coelambus confluens | | va | | | | | | | | | 0 | | 3 | 3 | |
| Coelambus parallelogrammus | | z | | | | | | 2 | | | | | 3 | 3 | |
| Coenagrion hastulatum | | zz | | | | | | 3 | 3 | | | | 1 | 1 | |
| Coenagrion lunulatum | | vz | | | | | | 2 | 2 | | | | 1 | 1 | |
| Coenagrion puella | | a | | | | | | 1 | | | | | 1 | 1 | |
| Coenagrion pulchellum | | va | | | 0.3 | | | | | | 0 | | 1 | 1 | |
| Coenagrion sp | | x | | | | | | | | | 0 | | 2 | 2 | |
| Colymbetes fuscus | | a | | | | | | | | | | ? | 3 | 3 | |
| Conchapelopia melanops | | va | | | | 1 | 1 | | | | | | 2 | 2 | |
| Conchapelopia sp | | a | | | | | | | | | 0 | | 3 | 3 | |
| Conopeum seurati | | | | | | | | | | | 0 | | 0 | 0 | |
| Cordulegaster boltonii | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Cordulia aenea | | vz | | | | | | 3 | 2 | | | | 3 | 3 | |
| Cordylophora caspia | | - | | | | 3 | | | | | | | 0 | 0 | |
| Corixa affinis | | va | | | | | | | | | 0 | | 3 | 3 | |
| Corixa dentipes | | vz | | | | | | 3 | | | | | 3 | 3 | |
| Corixa panzeri | | vz | | | | | | | | | | ? | 3 | 3 | |
| Corixa punctata | | za | | | | | | | | | 0 | | 3 | 3 | |
| Corophium insidiosum | | z | | | | 3 | | | | | | | 3 | 3 | |
| Corophium lacustre | | vz | | | | | | | | | | ? | 3 | 3 | |
| Corophium multisetosum | | vz | | | | 2 | | | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Corophium sp | | x | | | | | | | | | 0 | | 3 | 2 | |
| Corophium volutator | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Corynoneura edwardsi | | x | | | | | | | | | | ? | 3 | 3 | |
| Corynoneura lobata | | vz | | | | 2 | 2 | | | | | | 3 | 3 | |
| Corynoneura scutellata | | va | | | | | | | | | 0 | | 3 | 3 | |
| Crangon crangon | | - | | | | | | | | | 0 | | 3 | 3 | |
| Crenobia alpina | | zz | | | | 3 | | | | | | | 3 | 3 | |
| Cricotopus (isocladius) | | x | | | | | | | | | 0 | | 3 | 3 | |
| Cricotopus bicinctus | | za | 0.6 | 0.6 | | | | | | | 0 | | 1 | 1 | |
| Cricotopus cylindraceus | | vz | | | | | | 2 | | | | | 1 | 1 | |
| Cricotopus gr cylindraceus | | va | | | | | | | | | 0 | | 2 | 2 | |
| Cricotopus gr cylindraceus/festivellus | | va | | | | | | | | | 0 | | 3 | 3 | |
| Cricotopus gr tibialis | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Cricotopus holsatus | | vz | | | | | | 2 | | | | | 1 | 1 | |
| Cricotopus intersectus | | va | | | | | | | | | 0 | | 1 | 1 | |
| Cricotopus intersectus agg | | va | | | | | | | | | 0 | | 2 | 2 | |
| Cricotopus ornatus | | va | | | | | | | | | 0 | | 1 | 1 | |
| Cricotopus sylvestris | | za | | | | | | | | | 0 | | 1 | 1 | |
| Cricotopus tremulus | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Cricotopus triannulatus | | vz | | | | 1 | 1 | 1 | | | | ? | 1 | 1 | |
| Cricotopus trifascia | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Cristatella mucedo | | - | | | | | | | | | | ? | 0 | 0 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crunoecia irrorata | | z | | | | | 3 | 3 | | | | | 3 | 3 | |
| Cryptochironomus obreptans | | a | | | | | | | | | 0 | | 1 | 1 | |
| Cryptochironomus rostratus | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Cryptochironomus sp | | za | | | | | | | | | 0 | | 3 | 3 | |
| Cryptochironomus supplicans | | a | | | | | | | | | 0 | | 1 | 1 | |
| Cryptotendipes usmaensis | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Culicidae | | x | | | | | | | | | 0 | | 3 | 3 | |
| Culiseta morsitans | | va | | | | | | | | | 0 | | 2 | 2 | |
| Culiseta sp | | a | | | | | | | | | 0 | | 3 | 3 | |
| Cyathura carinata | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Cymatia bonsdorffi | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Cymatia coleoptrata | | za | | | 0.5 | | | | | | 0 | | 3 | 3 | |
| Cymbiodyta marginella | | a | | | | | | | | | 0 | | 3 | 3 | |
| Cyphon sp | | - | | | | | | | | | 0 | | 3 | 2 | |
| Cyphon variabilis | | - | | | | | | | | | | ? | 3 | 3 | |
| Cyphonidae | | x | | | | | | | | | 0 | | 3 | 3 | |
| Cyrnus crenaticornis | | va | | | 0.3 | | | | 1 | | | | 2 | 2 | |
| Cyrnus flavidus | | a | | | 0.3 | | | | | | 0 | | 2 | 2 | |
| Cyrnus insolutus | | vz | | | 0.3 | | | 1 | | | | | 2 | 2 | |
| Cyrnus trimaculatus | | a | | | | | | | | | 0 | | 3 | 3 | |
| Cystobranchus respirans | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Decapoda | | x | | | | | | | | | 0 | | 3 | 3 | |
| Demeijerea rufipes | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Demicryptochironomus sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Demicryptochironomus vulneratus | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Dendrocoelum boettgeri | | | | | | 3 | | | | | | | 0 | 0 | |
| Dendrocoelum lacteum | | a | | | | | | | | | 0 | | 3 | 3 | |
| Dero dorsalis | | va | | | | | | -1 | | | | | 1 | 1 | |
| Deronectes latus | | vz | | | | | 3 | | | | | | 3 | 3 | |
| Deronectes platynotus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Diadumene cincta | | - | | | | | | | | | | ? | 0 | 0 | |
| Dicranomyia sp | | - | | | | 1 | | | | | | | 3 | 3 | |
| Dicranota bimaculata | | - | 0.6 | 0.6 | | 1 | 1 | | | | | | 1 | 1 | |
| Dicrotendipes gr lobiger | 1 | - | | | 0.3 | | | | | | 0 | | 3 | 3 | |
| Dicrotendipes gr nervosus | | - | | | | | | | | | 0 | | 3 | 3 | |
| Dicrotendipes gr notatus | | - | | | | | | | | | 0 | | 3 | 3 | |
| Dicrotendipes gr tritomus | | vz | | | | | | | | | | ? | 3 | 3 | |
| Dicrotendipes nervosus | | za | | | | | | | | | 0 | | 1 | 1 | |
| Dicrotendipes tritomus | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Dikerogammarus villosus | | - | | | | | | | | | | ? | 1 | 1 | |
| Dinocras cephalotes | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Diplocladius cultriger | | va | | | | | | | | | 0 | | 3 | 3 | |
| Dixa dilatata | | z | | | | 3 | | 3 | | | | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dixa gr maculata | | vz | | | | 1 | 1 | | | | | | 3 | 3 | |
| Dixa maculata | | vz | | | | 1 | 1 | | | | | | 2 | 2 | |
| Dixa nubilipennis | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Dixella amphibia | | va | | | | | | | | | 0 | | 2 | 2 | |
| Dolichopodidae | | - | | | | | | | | | 0 | | 3 | 3 | |
| Dolomedes plantarius | | | | | | | | | | | | ? | 2 | 2 | |
| Dreissena polymorpha | | za | | | | | | | | | 0 | | 3 | 3 | |
| Drusus annulatus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Drusus trifidus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Dryops anglicanus | | z | | | | | | 2 | | | | | 1 | 1 | |
| Dryops griseus | | z | | | | | | 2 | 2 | | | | 1 | 1 | |
| Dryops luridus | | a | | | | | | | | | 0 | | 1 | 1 | |
| Dryops similaris | | zz | | | | | | | | | | ? | 1 | 1 | |
| Dryops sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Dugesia gonocephala | | z | 0.1 | 0.6 | | 2 | | | | | | | 3 | 3 | |
| Dugesia lugubris | | za | | | 0.8 | | | | | | 0 | | 3 | 3 | |
| Dugesia polychroa | | a | | | | | | | | | 0 | | 3 | 1 | |
| Dugesia tigrina | | a | | | 0.3 | | | | | | 0 | | 3 | 3 | |
| Dytiscus circumflexus | | a | | | 0.3 | | | | | | 0 | | 3 | 3 | |
| Dytiscus lapponicus | | z | | | | | | 2 | | | | | 3 | 3 | |
| Dytiscus marginalis | | a | | | | | | | | | 0 | | 3 | 3 | |
| Dytiscus semisulcatus | | zz | | | | | | 3 | 3 | | | | 3 | 3 | |
| Dytiscus sp | | x | | | | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ecdyonurus affinis | | u | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Ecdyonurus aurantiacus | | u | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Ecdyonurus dispar | | u | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Ecdyonurus insignis | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Ecdyonurus lateralis | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Ecdyonurus torrentis | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Ecdyonurus venosus | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Echinogammarus berilloni | | z | | | | 3 | 3 | 1 | | | | | 3 | 3 | |
| Echinogammarus ischnus | | - | | | | | | | | | | ? | 3 | 3 | |
| Ecnomus tenellus | | a | | | | | 2 | 2 | | | | | 3 | 3 | |
| Einfeldia dissidens | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Einfeldia gr insolita | | - | | | | | | 1 | | | | | 3 | 3 | |
| Einfeldia gr pagana | | - | | | | | | 1 | | | | | 3 | 3 | |
| Eiseniella tetraedra | | a | | | | | | | | | 0 | | 3 | 3 | |
| Electra crustulenta | | - | | | | | 1 | 1 | | | | | 0 | 0 | |
| Elmis aenea | | vz | 0.3 | 0.6 | | 1 | 2 | | | | | | 1 | 1 | |
| Elmis maugetii | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Elmis obscura | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Elmis sp | | x | | | | 3 | 3 | | | | | | 2 | 2 | |
| Elodes minuta | | - | 0.3 | 0.4 | | 1 | 1 | | | | | | 2 | 1 | |
| Elodes sp | | x | | | | 1 | 1 | | | | | | 2 | 2 | |
| Enallagma cyathigerum | | va | | | | | | 1 | -2 | | | | 3 | 3 | |
| Enchytraeidae | | a | | | | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Endochironomus albipennis | | za | | | | | | -1 | | | | | 3 | 3 | |
| Endochironomus gr dispar | | za | | | | | | | | | 0 | | 3 | 3 | |
| Endochironomus tendens | | za | | | 0.8 | -1 | -1 | | | | | | 3 | 3 | |
| Enochrus affinis | | va | | | | | | 1 | | | | | 2 | 2 | |
| Enochrus bicolor | | va | | | | | | | | | 0 | | 2 | 2 | |
| Enochrus coarctatus | | va | | | | | | | | | 0 | | 3 | 3 | |
| Enochrus halophilus | | z | | | | | | 2 | | | | | 2 | 1 | |
| Enochrus isotae | | | | | | | | 2 | | | | | 2 | 2 | |
| Enochrus melanocephalus | | a | | | | | | | | | 0 | | 2 | 2 | |
| Enochrus ochropterus | | vz | | | | | | 1 | -1 | | | | 2 | 2 | |
| Enochrus testaceus | | za | | | | | | -1 | | | | | 3 | 3 | |
| Enoicyla pusilla | | a | | | | -1 | | | | | | | 3 | 3 | |
| Ephemera danica | | vz | 0.1 | | | 2 | 2 | 1 | | | | | 3 | 3 | |
| Ephemera glaucops | | zz | | | | 2 | | 3 | | | | | 3 | 3 | |
| Ephemera lineata | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Ephemera sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Ephemera vulgata | | vz | | | | 1 | 1 | | | | | | 3 | 3 | |
| Ephemerella ignita | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Ephemerella sp | | x | | | | 2 | 2 | 2 | | | | | 2 | 3 | |
| Ephoron virgo | | z | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ephydatia fluviatilis | | - | | | | | | 3 | | | | | 0 | 0 | |
| Ephydridae | | - | | | | | | | | | | ? | 3 | 3 | |
| Epoicocladius ephemerae | | | | | | 2 | 2 | 1 | | | | | 3 | 2 | synoniem van E. flavens (Malloch, 1915) |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epoicocladius flavens | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Eriopterinae | | x | | | | -3 | | -3 | | | | | 3 | 3 | |
| Ernodes articularis | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ernodes sp | | x | | | | | | | | | | ? | 2 | 2 | |
| Erotesis baltica | | z | | | | | 2 | | | | | | 3 | 3 | |
| Erpobdella nigricollis | | va | | | | | | 1 | | | | | 2 | 2 | |
| Erpobdella octoculata | | za | | | 0.8 | | | -2 | | | | | 3 | 3 | |
| Erpobdella testacea | | za | | | | | | -1 | | | | | 3 | 3 | |
| Erythromma najas | | a | | | 0.3 | | | | | | 0 | | 3 | 3 | |
| Esolus angustatus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Esolus parallelepipedus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Esolus pygmaeus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Esolus sp | | x | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Eteone longa | | | | | | 2 | | | | | | | 0 | 0 | |
| Eukiefferiella brevicalcar | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Eukiefferiella calvescens | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Eukiefferiella claripennis | | vz | | | | 1 | | 1 | | | | | 1 | 1 | |
| Eukiefferiella claripennis agg | | va | 0.3 | 0.4 | | 1 | | | | | | | 3 | 3 | |
| Eukiefferiella discoloripes | | va | | | | -1 | -1 | -1 | | | 0 | | 1 | 1 | |
| Eukiefferiella discoloripes agg | 1 | va | 0.3 | 0.6 | | | | | | | | | 3 | 3 | |
| Eukiefferiella gr | | va | | | | 1 | | | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| discoloripes | | | | | | | | | | | | | | | |
| Eukiefferiella ilkleyensis | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Eukiefferiella verralli | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Euleuctra geniculata | | u | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Eusimulium angustipes | | - | | | | 1 | | -1 | | | | | 1 | 1 | |
| Eusimulium aureum | | - | | | | 1 | | -1 | | | | | 1 | 1 | |
| Eusimulium sp | | x | | | | 1 | | -1 | | | | | 1 | 1 | |
| Eylais extendens | | a | | | | | | -2 | | | | | 1 | 1 | |
| Eylais koenikei | | vz | | | | 1 | 1 | | | | | | 1 | 1 | |
| Eylais setosa | | a | | | | -1 | -1 | | | | | | 1 | 1 | |
| Eylais sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Eylais tantilla | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Feltria armata | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Ferrissia wautieri | | va | | | | | | | | | 0 | | 3 | 1 | |
| Forelia brevipes | | z | | | | | | 2 | | | | | 2 | 2 | |
| Forelia curvipalpis | | vz | | | | | | 1 | | | | | 2 | 2 | |
| Forelia liliacea | | va | | | | | | -1 | | | | | 2 | 2 | |
| Forelia variegator | | va | 0.4 | 0.4 | | -1 | -1 | | | | | | 2 | 2 | |
| Galba truncatula | | a | | | | | | | | | 0 | | 3 | 3 | |
| Gammarus crinicornis | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Gammarus duebeni | | a | | | | | | | | | 0 | | 3 | 3 | |
| Gammarus fossarum | | va | 0.1 | 0.6 | | | | | | | 0 | | 2 | 2 | |
| Gammarus locusta | | - | | | | | | | | | | ? | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gammarus pulex | | za | 0.6 | 0.6 | 0.8 | | | | | | 0 | | 3 | 3 | |
| Gammarus roeselii | | va | 0.3 | 0.4 | | | | | | | 0 | | 3 | 3 | |
| Gammarus salinus | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Gammarus tigrinus | | za | | | | | | | | | 0 | | 3 | 3 | |
| Gammarus zaddachi | | a | | | | | | | | | 0 | | 3 | 3 | |
| Gerris argentatus | | va | | | | | | | | | 0 | | 3 | 3 | |
| Gerris gibbifer | | z | | | | | | | | | | ? | 3 | 3 | |
| Gerris lacustris | | za | | | | | | | | | 0 | | 3 | 3 | |
| Gerris odontogaster | | a | | | | | | | | | 0 | | 3 | 3 | |
| Gerris thoracicus | | a | | | 0.3 | | | | | | 0 | | 3 | 3 | |
| Glaenocorisa propinqua | | z | | | | | | 2 | | | | | 3 | 3 | |
| Glossiphonia complanata | | za | | | | | | -3 | | | | | 3 | 3 | |
| Glossiphonia heteroclita | | za | | | 0.8 | | | -3 | | | | | 3 | 3 | |
| Glossosoma conformis | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Glyphotaelius pellucidus | | va | | | | 1 | 1 | | | | | | 3 | 3 | |
| Glyptotendipes barbipes | | a | | | | | | | | | 0 | | 3 | 2 | nieuwe sleutel |
| Glyptotendipes caulicola | | vz | | | | | | | | | | ? | 3 | 2 | nieuwe sleutel |
| Glyptotendipes gr barbipes | | a | | | | | | | | | 0 | | 3 | 3 | nieuwe sleutel |
| Glyptotendipes gr pallens | | za | | | | | | | | | 0 | | 3 | 3 | nieuwe sleutel |
| Glyptotendipes gr signatus | | vz | | | | | | 1 | | | | | 3 | 3 | nieuwe sleutel |
| Glyptotendipes pallens | | za | | | | | | | | | 0 | | 3 | 2 | nieuwe sleutel |
| Glyptotendipes paripes | | a | | | | | | | | | 0 | | 3 | 2 | nieuwe sleutel |
| Glyptotendipes sp | | za | | | | | | | | | 0 | | 3 | 3 | nieuwe sleutel |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Goera pilosa | | vz | 0.1 | 0.4 | | 1 | 1 | | | | | | 3 | 3 | |
| Gomphus flavipes | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Gomphus pulchellus | | z | | | | | | 2 | | | | | 2 | 2 | |
| Gomphus vulgatissimus | | zz | 0.1 | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Gonothyraea loveni | | - | | | | | | | | | | ? | 0 | 0 | |
| Gordius setiger | | - | | | | 3 | 3 | 3 | | | | | 0 | 0 | |
| Grammotaulius nigropunctatus | | zz | | | | | | | | | | | 3 | 3 | |
| Grammotaulius nitidus | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Grammotaulius submaculatus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Graphoderus bilineatus | | zz | | | | | | 3 | | | | | 2 | 2 | |
| Graphoderus zonatus | | z | | | | | | 2 | 2 | | | | 2 | 2 | |
| Graptodytes bilineatus | | zz | | | | | | 3 | 3 | | | | 3 | 3 | |
| Graptodytes pictus | | za | | | 0.8 | -3 | -3 | 1 | | | | | 3 | 3 | |
| Guttipelopia guttipennis | | va | | | | | | 1 | -3 | | | | 3 | 3 | |
| Gyraulus albus | | za | | | 0.8 | -3 | -3 | | | | 0 | | 3 | 3 | |
| Gyraulus riparius | | vz | | | | | | 1 | -3 | | | | 1 | 1 | |
| Gyrinus caspius | | z | | | | | | 1 | | | | | 3 | 3 | |
| Gyrinus marinus | | a | | | 0.3 | -1 | | | | | | | 3 | 3 | |
| Gyrinus minutus | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Gyrinus paykulli | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Gyrinus sp | | x | | | | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Gyrinus suffriani | | z | | | | | | 2 | | | | | 3 | 3 | |
| Habroleptoides modesta | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Habrophlebia fusca | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Habrophlebia lauta | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Haementeria costata | | vz | | | | | 1 | 1 | | | | | 3 | 3 | |
| Haemonais waldvogeli | | z | | | | | | 2 | | | | | 3 | 3 | |
| Haemopis sanguisuga | | a | | | | | | | | | 0 | | 3 | 3 | |
| Hagenella clathrata | | zz | | | | | | 3 | | 3 | | | 3 | 3 | |
| Halesus digitatus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Halesus radiatus | | va | 0.3 | 0.1 | | 1 | 1 | | | | | | 2 | 2 | |
| Halesus radiatus/digitatus | | va | | | | 1 | 1 | | | | | | 3 | 3 | |
| Halesus tessellatus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Haliplus apicalis | | a | | | | | | | | | 0 | | 2 | 2 | |
| Haliplus flavicollis | | va | | | | -1 | -1 | | | | | | 2 | 2 | |
| Haliplus fluviatilis | | a | | | | -2 | -2 | | | | | | 2 | 2 | |
| Haliplus fulvicollis | | zz | | | | | | 3 | -3 | | | | 2 | 2 | |
| Haliplus furcatus | | zz | | | | | | 3 | 3 | | | | 2 | 2 | |
| Haliplus heydeni | | a | | | | | | | | | 0 | | 2 | 2 | |
| Haliplus immaculatus | | a | | | | | | | | | 0 | | 1 | 1 | |
| Haliplus laminatus | | va | | | | -1 | -1 | -1 | | | | | 2 | 2 | |
| Haliplus lineatocollis | | za | | | | | | | | | 0 | | 2 | 2 | |
| Haliplus lineolatus | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Haliplus mucronatus | | zz | | | | | | 3 | 3 | | | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Haliplus obliquus | | vz | | | | | | 1 | 3 | | | | 2 | 2 | |
| Haliplus ruficollis | | za | | | | | | | | | 0 | | 1 | 1 | |
| Haliplus sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Haliplus variegatus | | zz | | | | | | 3 | 3 | | | | 2 | 2 | |
| Haliplus varius | | z | | | | | | 2 | 2 | | | | 2 | 2 | |
| Haliplus wehnkei | | va | | | | -1 | -1 | | | | | | 1 | 1 | |
| Halocladius varians | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Haplotaxis gordioides | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Harnischia curtilamellata | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Harnischia sp | | va | | | | | | | | | 0 | | 3 | 3 | nieuwe sleutel |
| Hebrus pusillus | | va | | | | | | 1 | -1 | | | | 3 | 3 | |
| Hebrus ruficeps | | va | | | | | | 1 | -1 | | | | 3 | 3 | |
| Heleniella ornaticollis | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Heleobia stagnorum | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Helius sp | | - | | | | | | | | | 0 | | 3 | 3 | |
| Helobdella stagnalis | | za | | | 0.8 | | | -3 | | | | | 3 | 3 | |
| Helochares lividus | | a | | | | | | | | | 0 | | 3 | 1 | |
| Helochares obscurus | | a | | | | | | -2 | | | | | 3 | 1 | |
| Helophorus aquaticus | | z | | | | | | | | | | ? | 1 | 1 | |
| Helophorus arvernicus | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Helophorus asperatus | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Helophorus brevipalpis | | za | | | | | | -3 | | | | | 1 | 1 | |
| Helophorus croaticus | | | | | | | | | | | | ? | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Helophorus flavipes | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Helophorus granularis | | z | | | | | | | | | | ? | 1 | 1 | |
| Helophorus minutus | | a | | | | | | -2 | | | | | 1 | 1 | |
| Helophorus nanus | | z | | | | | | | | | | ? | 1 | 1 | |
| Helophorus pumilio | | z | | | | 2 | | | | | | | 1 | 1 | |
| Helophorus strigifrons | | z | | | | | | 2 | -2 | | | | 1 | 1 | |
| Helophorus tuberculatus | | zz | | | | | | 3 | 3 | | | | 1 | 1 | |
| Hemerodromia sp | | - | | | | | | | | 2 | | | 3 | 3 | |
| Hemiclepsis marginata | | za | | | 0.5 | | | -3 | | | | | 3 | 3 | |
| Heptagenia coerulans | | u | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Heptagenia flava | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Heptagenia fuscogrisea | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Heptagenia longicauda | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Heptagenia sp | | x | | | | 3 | 3 | 3 | | | | | 2 | 3 | |
| Heptagenia sulphurea | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Hesperocorixa castanea | | va | | | | | | 1 | -1 | | | | 3 | 3 | |
| Hesperocorixa linnei | | za | | | | | | | | | 0 | | 3 | 3 | |
| Hesperocorixa moesta | | z | | | | | | 2 | 2 | | | | 3 | 3 | |
| Hesperocorixa sahlbergi | | a | | | | | | | | | 0 | | 3 | 3 | |
| Heteromastus filiformis | | - | | | | 1 | | | | | | | 3 | 3 | |
| Heterotanytarsus apicalis | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Heterotrissocladius marcidus | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hippeutis complanatus | | za | | | | | | | | | 0 | | 3 | 3 | |
| Holocentropus dubius | | va | | | | | | | -1 | | | | 3 | 3 | |
| Holocentropus insignis | | u | | | | | | 3 | 3 | | | | 3 | 3 | |
| Holocentropus picicornis | | a | | | 0.5 | | | | | | 0 | | 3 | 3 | |
| Holocentropus stagnalis | | vz | | | | | | 1 | -1 | | | | 3 | 3 | |
| Homochaeta naidina | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Hydatophylax infumatus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Hydra circumcincta | | | | | | | | | | | | ? | 0 | 0 | |
| Hydra oligactis | | | | | | | | | | | | ? | 0 | 0 | |
| Hydrachna conjecta | | a | | | | | | | | | 0 | | 1 | 1 | |
| Hydrachna cruenta | | a | | | | | | | | | 0 | | 1 | 1 | |
| Hydrachna leegei | | va | | | | | | | | | 0 | | 1 | 1 | |
| Hydrachna skorikowi | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Hydraena assimilis | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Hydraena belgica | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Hydraena britteni | | vz | | | | | | 1 | 1 | | | | 1 | 1 | |
| Hydraena excisa | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Hydraena gracilis | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Hydraena melas | | zz | | | | 3 | 3 | 3 | 3 | | | | 1 | 1 | |
| Hydraena minutissima | | | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Hydraena palustris | | z | | | | | | 2 | 2 | | | | 1 | 1 | |
| Hydraena pulchella | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Hydraena riparia | | vz | | | | 1 | | 1 | | | | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hydraena testacea | | va | | | | | 1 | | | | | | 3 | 3 | |
| Hydrellia sp | | - | | | | | | | | | | ? | 0 | 0 | |
| Hydrobaenus pilipes | | zz | | | | | | | | 3 | | | 2 | 2 | |
| Hydrobia ulvae | | z | | | | | | 2 | | | | | 1 | 1 | |
| Hydrobius fuscipes | | za | | | | -3 | | -3 | -3 | | | | 3 | 3 | |
| Hydrochara caraboides | | vz | | | | | | 1 | 1 | | | | 3 | 3 | |
| Hydrochus angustatus | | vz | | | | | | | | | | ? | 3 | 2 | |
| Hydrochus ignicollis | | z | | | | 2 | | | | | | | 3 | 2 | |
| Hydrochus megaphallus | | z | | | | | | | | | | ? | 3 | 2 | |
| Hydrocyphon sp | | x | | | | | | | | | 0 | | 2 | 2 | |
| Hydrodroma despiciens | | za | | | | | | | | | 0 | | 3 | 1 | |
| Hydroglyphus pusillus | | | | | | | | 1 | | | | | 3 | 3 | |
| Hydrophilus piceus | 1 | va | | | 0.3 | | | -1 | | | | | 3 | 3 | |
| Hydroporus angustatus | | va | | | | | | | | | 0 | | 1 | 1 | |
| Hydroporus discretus | | vz | | | | 1 | 1 | | | | | | 1 | 1 | |
| Hydroporus dorsalis/erythrocephalis | | a | | | | | | | | | 0 | | 2 | 2 | |
| Hydroporus erythrocephalus | | a | | | | | | | -2 | | | | 1 | 1 | |
| Hydroporus glabriusculus | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Hydroporus gyllenhalii | | va | | | | | | 1 | | | | | 1 | 1 | |
| Hydroporus incognitus | | va | | | | | | 1 | | | | | 1 | 1 | |
| Hydroporus longulus | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hydroporus melanarius | | z | | | | | | 2 | | | | | 1 | 1 | |
| Hydroporus memnonius | | va | | | | | | -1 | | | | | 1 | 1 | |
| Hydroporus neglectus | | vz | | | | | | | | | | ? | 1 | 1 | |
| Hydroporus nigrita | | vz | | | | | | | | 1 | | | 1 | 1 | |
| Hydroporus notatus | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Hydroporus obscurus | | z | | | | | | | -2 | | | ? | 1 | 1 | |
| Hydroporus palustris | | za | | | | | | | | | 0 | | 1 | 1 | |
| Hydroporus planus | | za | | | | | | -3 | -3 | -3 | | | 1 | 1 | |
| Hydroporus pubescens | | a | | | | | | | -2 | -2 | | | 1 | 1 | |
| Hydroporus scalesianus | | vz | | | | | | | -1 | | | | 1 | 1 | |
| Hydroporus striola | | vz | | | | | | 1 | 1 | | | | 1 | 1 | |
| Hydroporus tessellatus | | z | | | | | | 2 | | | | | 1 | 1 | |
| Hydroporus tristis | | va | | | | | | 1 | 4 | | | | 1 | 1 | |
| Hydroporus umbrosus | | va | | | | | | 1 | -1 | | | | 1 | 1 | |
| Hydropsyche angustipennis | | a | 0.6 | 0.4 | | | | | | | 0 | | 3 | 3 | |
| Hydropsyche bulgaromanorum | | vz | | | | 1 | 1 | | | | | | 3 | 3 | |
| Hydropsyche contubernalis | | va | | | | 1 | 1 | | | | | | 2 | 2 | |
| Hydropsyche dinarica | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Hydropsyche exocellata | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Hydropsyche fulvipes | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Hydropsyche instabilis | | z | | 0.5 | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Hydropsyche modesta | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hydropsyche ornatula | | | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Hydropsyche pellucidula | | vz | 0.1 | 0.4 | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Hydropsyche saxonica | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Hydropsyche siltalai | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Hydroptila cornuta | | u | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Hydroptila dampfi | | u | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Hydroptila pulchricornis | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Hydroptila sp | 1 | vz | 0.4 | 0.4 | | | | | | | 0 | | 3 | 3 | |
| Hydroptila sparsa | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Hydroptila tineoides | | zz | | | | | | 3 | | | | | 2 | 2 | |
| Hygrobates fluviatilis | | z | 0.4 | 0.4 | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Hygrobates longipalpis | | a | | | | -2 | -2 | | | | | | 3 | 3 | |
| Hygrobates longiporus | | zz | | | | | | | | | | ? | 2 | 2 | |
| Hygrobates nigromaculatus | | a | 0.6 | 0.4 | | -2 | -2 | -2 | | | 0 | | 3 | 3 | |
| Hygrobates trigonicus | | va | 0.4 | | | | | | | | 0 | | 3 | 3 | |
| Hygrobia hermanni | | a | | | | | | | | | 0 | | 3 | 3 | |
| Hygrotus decoratus | | va | | | | | | | | | 0 | | 3 | 3 | |
| Hygrotus inaequalis | | za | | | | -3 | -3 | -3 | | | | | 3 | 3 | |
| Hygrotus sp | | x | | | | | | | | | | ? | 3 | 3 | |
| Hyphydrus ovatus | | za | | | | | | -3 | | | | | 3 | 3 | |
| Idotea chelipes | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Ilybius aenescens | | z | | | | | | 2 | | | | | 3 | 3 | |
| Ilybius aenescens larve | | z | | | | | | 2 | | | | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ilybius fenestratus | | a | | | | | | | | | 0 | | 2 | 2 | |
| Ilyocoris cimicoides | | za | | | 0.8 | | | | | | 0 | | 3 | 3 | |
| Ilyodrilus templetoni | | va | | | | | | | | | 0 | | 1 | 1 | |
| Ironoquia dubia | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Ischnura elegans | | za | | | | | | | | | 0 | | 2 | 2 | |
| Ischnura pumilio | | z | | | | | | 2 | 2 | | | | 2 | 2 | |
| Isogenus nubecula | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Isonychia ignota | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Isoperla grammatica | | u | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Isoperla obscura | | u | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Isoptena serricornis | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ithytrichia lamellaris | | u | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Jaera albifrons | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Jaera ischiosetosa | | z | | | | | | 2 | | | | | 3 | 3 | |
| Jaera sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Kiefferulus tendipediformis | | va | | | | | | | | | 0 | | 3 | 3 | |
| Kloosia pusilla | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Krenopelopia sp | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Laccobius atratus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Laccobius biguttatus | | va | | | | | | | | | | ? | 2 | 2 | |
| Laccobius bipunctatus | | za | | | | | | | | | 0 | | 1 | 1 | |
| Laccobius obscuratus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Laccobius sinuatus | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Laccobius striatulus | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Laccophilus hyalinus | | za | | | 0.8 | | | | | | | ? | 3 | 3 | |
| Laccophilus minutus | | za | | | 0.8 | | | -3 | | | | | 3 | 3 | |
| Laccornis oblongus | | z | | | | | | | 2 | | | | 3 | 3 | |
| Lasiocephala basalis | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Lauterborniella agrayloides | | z | | | | | | 2 | | | | | 3 | 3 | |
| Lebertia bracteata | | - | | | | | | | | | | ? | 1 | 1 | |
| Lebertia inaequalis | 1 | va | 0.4 | 0.4 | | | | | | | 0 | | 2 | 2 | |
| Lebertia insignis | | vz | 0.4 | 0.4 | | | | | | | | ? | 2 | 2 | |
| Lebertia minutipalpis | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Lebertia porosa | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Lepidostoma hirtum | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Leptocerus interruptus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Leptocerus tineiformis | | vz | | | | | | 1 | 1 | | | | 2 | 2 | |
| Leptocheirus pilosus | | | | | | | | | | | | ? | 3 | 3 | |
| Leptophlebia marginata | | z | | | | 2 | 2 | 2 | | 2 | | | 3 | 3 | |
| Leptophlebia vespertina | | vz | | | | | | 1 | -1 | | | | 3 | 3 | |
| Lestes dryas | | vz | | | | | | 1 | | | | | 2 | 2 | |
| Leucorrhinia dubia | | vz | | | | | | 1 | 1 | | | | 2 | 2 | |
| Leucorrhinia pectoralis | | zz | | | | | | 3 | 3 | | | | 2 | 2 | |
| Leucorrhinia rubicunda | | vz | | | | | | 1 | 1 | | | | 2 | 2 | |
| Leuctra fusca | | u | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Leuctra nigra | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Libellula depressa | | va | | | | | | | | | | ? | 3 | 3 | |
| Libellula quadrimaculata | | va | | | | | | 1 | -1 | | | | 3 | 3 | |
| Limapontia depressa | | x | | | | | | | | | | ? | 0 | 0 | |
| Limnebius truncatellus | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Limnephilus affinis | | za | | | | | | | | | 0 | | 2 | 2 | |
| Limnephilus auricula | | a | | | | | | | | | 0 | | 2 | 2 | |
| Limnephilus binotatus | | z | | | | | | 2 | 2 | | | | 2 | 2 | |
| Limnephilus bipunctatus | | a | | | | | | | | 2 | | | 2 | 2 | |
| Limnephilus centralis | | z | | | | | | | | 2 | | | 2 | 2 | |
| Limnephilus coenosus | | zz | | | | | | | | 3 | | | 2 | 2 | |
| Limnephilus decipiens | | va | | | | -1 | -1 | | | | | | 2 | 2 | |
| Limnephilus elegans | | zz | | | | 3 | 3 | | | 3 | | | 2 | 2 | |
| Limnephilus extricatus | | vz | | | | | | | | 1 | | | 2 | 2 | |
| Limnephilus flavicornis | | va | | | | | | | | | 0 | | 2 | 2 | |
| Limnephilus fuscicornis | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Limnephilus griseus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Limnephilus ignavus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Limnephilus incisus | | z | | | | | | 2 | | | | | 2 | 2 | |
| Limnephilus lunatus | | za | | | | -3 | -3 | | | | | | 2 | 2 | |
| Limnephilus luridus | | zz | | | | | | 3 | | | | | 2 | 2 | |
| Limnephilus marmoratus | | vz | | | | | | 1 | | | | | 2 | 2 | |
| Limnephilus nigriceps | | zz | | | | | | 3 | | | | | 2 | 2 | |
| Limnephilus rhombicus | | a | | | | | | | | | 0 | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Limnephilus sp | 1 | x | | | 0.5 | | | | | | 0 | | 3 | 3 | |
| Limnephilus sparsus | | a | | | | | | | | | | ? | 2 | 2 | |
| Limnephilus stigma | | z | | | | | | | | 2 | | | 2 | 2 | |
| Limnephilus subcentralis | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Limnephilus vittatus | | vz | | | | | | 1 | | | | | 2 | 2 | |
| Limnesia connata | | va | | | | | | | | | 0 | | 3 | 3 | |
| Limnesia fulgida | | a | | | | | | | | | | ? | 3 | 3 | |
| Limnesia maculata | | za | | | | | | -3 | | | | | 3 | 3 | |
| Limnesia polonica | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Limnesia sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Limnesia undulata | | za | | | | | | -3 | | | | | 3 | 1 | |
| Limnius opacus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Limnius perrisi | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Limnius volckmari | | z | 0.1 | 0.1 | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Limnochares aquatica | | va | | | | | | | | | 0 | | 3 | 3 | |
| Limnodrilus claparedeianus | | za | | | | | | -3 | | | | | 2 | 2 | |
| Limnodrilus hoffmeisteri | | za | | | | | | -3 | | | | | 2 | 2 | |
| Limnodrilus sp | | x | | | | | | -3 | | | | | 2 | 2 | |
| Limnodrilus udekemianus | | a | | | | | | -3 | | | | | 3 | 3 | |
| Limnophila sp | | - | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Limnophora riparia | | - | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Limnophyes sp | | za | | | | | | | | | 0 | | 2 | 2 | |
| Limoniidae | | x | | | | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lipiniella arenicola | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | Incorrecte spelling: L. araenicola Shilova, 1961 |
| Lipiniella moderata | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Lithax obscurus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Lithoglyphus naticoides | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Littorina littorea | | - | | | | | | | | | | ? | 2 | 2 | |
| Littorina saxatilis | | - | | | | | | | | | | ? | 2 | 2 | |
| Lumbricillus lineatus | | | | | | | | | | | | ? | 1 | 1 | |
| Lumbriculus variegatus | | za | | | | | | | | | 0 | | 1 | 1 | |
| Lymnaea stagnalis | | za | | | | | | -3 | | | | | 3 | 3 | |
| Lype phaeopa | | a | 0.1 | 0.1 | | | | | | | 0 | | 2 | 2 | |
| Lype reducta | | vz | | | | | | | | | | ? | 2 | 2 | |
| Macoma balthica | | | | | | | | | | | | ? | 3 | 3 | |
| Macronychus quadrituberculatus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Macropelopia adaucta | | va | | | | | | | | | 0 | | 1 | 1 | |
| Macropelopia nebulosa | | za | 0.6 | 0.6 | | | | | | | 0 | | 1 | 1 | |
| Macropelopia notata | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Macropelopia sp | | za | | | | | | | -3 | | | | 3 | 3 | |
| Macroplea sp | | - | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Manayunkia aestuarina | | | | | | | | | | | | ? | 0 | 0 | |
| Mansonia richiardii | | va | | | | | | | | | 0 | | 3 | 3 | synoniem van Coquillettidia richiardii Dyar, 1905 |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Marstoniopsis scholtzi | | vz | | | | | | 1 | 1 | | | | 1 | 1 | |
| Marthamea selysii | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Melampophylax mucoreus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Melita palmata | | - | | | | | | | | | | ? | 3 | 3 | |
| Mercuria confusa | | zz | | | | 3 | | | | | | | 1 | 1 | |
| Mesovelia furcata | | va | | | | | | | | | | ? | 3 | 3 | |
| Metreletus balcanicus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Metriocnemus hirticollis | | z | | | | | | | | | | ? | 1 | 1 | |
| Metriocnemus hygropetricus agg | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Metriocnemus inopinatus agg | | - | | | | | | | | | 0 | | 2 | 2 | |
| Micrasemodes minimus | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | incorrecte spelling: Micrasema minimum |
| Microchironomus deribae | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Microchironomus tener | | va | | | | | | | | | 0 | | 3 | 3 | |
| Microchrysa polita | | - | | | | | | | | | | ? | 3 | 3 | |
| Micronecta meriodionalis | | a | | | | | | | | | 0 | | 3 | 3 | |
| Micronecta poweri | | zz | | | | 3 | 3 | 3 | | | | | 3 | 1 | |
| Micronecta scholtzi | | a | | | | | | | | | | ? | 3 | 1 | |
| Micropsectra atrofasciata | | za | | | | | | | | | 0 | | 1 | 1 | |
| Micropsectra bidentata | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Micropsectra lindrothi | | va | | | | | | | | | 0 | | 1 | 1 | |
| Micropsectra notescens | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Micropsectra roseiventris | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Micropsectra sp | | za | 0.6 | 0.6 | | | | -3 | | | | | 3 | 3 | |
| Micropterna lateralis | | vz | | | | 1 | 1 | 1 | | | | | 2 | 2 | |
| Micropterna sequax | | vz | | | | 1 | 1 | 1 | | | | | 2 | 2 | |
| Microtendipes chloris | | va | | | | | | | | | 0 | | 1 | 1 | |
| Microtendipes gr chloris | | za | | | | | | | | | 0 | | 3 | 3 | |
| Microtendipes pedellus agg | 1 | va | 0.4 | 0.4 | | -1 | -1 | -1 | | | | | 2 | 2 | |
| Microvelia reticulata | | a | | | | | | | | | 0 | | 3 | 3 | |
| Microvelia umbricola nymphe | | | | | | | | 3 | | | | | 3 | 3 | |
| Midea orbiculata | | va | | | | | | -1 | | | | | 3 | 3 | |
| Mideopsis orbicularis | | a | | | | | | | | | 0 | | 3 | 3 | |
| Molanna albicans | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Molanna angustata | | a | | | | | | | | | 0 | | 3 | 3 | |
| Monopelopia tenuicalcar | | a | | | | | | | | | 0 | | 1 | 1 | |
| Mya arenaria | | - | | | | | | | | | | ? | 3 | 3 | |
| Mystacides azurea | | a | | | | -2 | -2 | | | | | | 2 | 2 | |
| Mystacides longicornis | | a | | | | | | | | | | ? | 2 | 2 | |
| Mystacides nigra | | a | | | | | | | | | 0 | | 2 | 2 | |
| Mystacides sp | | x | | | | | | | | | 0 | | 2 | 2 | |
| Mytilopsis leucophaeta | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Mytilus edulis | | - | | | | | | | | | 0 | | 3 | 3 | |
| Myxas glutinosa | | vz | | | | | | 1 | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nais alpina | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | |
| Nais barbata | | va | | | | | | | | | 0 | | 2 | 2 | |
| Nais bretscheri | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Nais elinguis | | a | | | | | | -2 | -2 | | | | 3 | 3 | |
| Nais pardalis | | va | | | | | | | | | 0 | | 1 | 1 | |
| Nais variabilis | | va | | | | | | -1 | | | | | 1 | 1 | |
| Nanocladius bicolor | | a | | | | | | | | | 0 | | 3 | 2 | |
| Nanocladius rectinervis | | z | | | | 2 | 2 | 2 | | | | | 3 | 2 | |
| Nanocladius rectinervis agg | | z | | | | 2 | 2 | 2 | | | | | 3 | 2 | |
| Nanocladius sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Natarsia punctata | | va | | | | | | | | | | ? | 1 | 1 | |
| Natarsia sp | | va | | | | | | | | | 0 | | 3 | 3 | |
| Nebrioporus depressus elegans | | va | 0.4 | | | | | | | | | ? | 3 | 3 | |
| Nematocera | | x | | | | | | | | | 0 | | 3 | 3 | |
| Nemoura avicularis | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Nemoura cambrica | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Nemoura cinerea | | a | 0.6 | | | | | | | | 0 | | 2 | 2 | |
| Nemoura dubitans | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Nemoura marginata | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Nemoura sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Nemurella pictetii | | vz | 0.1 | 0.1 | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Neomysis integer | | a | | | | | | | | | 0 | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Neozavrelia sp | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Nepa cinerea | | za | | | 0.8 | | | | | | 0 | | 3 | 3 | |
| Nereis diversicolor | | va | | | | | | -1 | | | | | 2 | 2 | |
| Nereis sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Nereis succinea | | x | | | | | | | | | | ? | 1 | 1 | |
| Neumania imitata | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Neumania spinipes | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Neureclepsis bimaculata | | vz | 0.1 | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Niphargus aquilex | | z | | | | 3 | | | | | | | 1 | 1 | |
| Niphargus schellenbergi | | z | | | | 2 | | | | | | | 1 | 1 | |
| Notidobia ciliaris | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Notonecta glauca | | za | | | 0.8 | | | | | | 0 | | 3 | 3 | |
| Notonecta lutea | | va | | | | | | -2 | | | | | 3 | 3 | |
| Notonecta obliqua | | va | | | | | | | | | 0 | | 3 | 3 | |
| Notonecta viridis | | va | | | | | | | | | 0 | | 3 | 3 | |
| Nymphula stagnata | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Ochthebius auriculatus | | z | | | | | | | | | 0 | | 3 | 3 | |
| Ochthebius bicolon | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Ochthebius exsculptus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ochthebius gibbosus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ochthebius marinus | | va | | | | | | | | | 0 | | 3 | 3 | |
| Ochthebius metallescens | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ochthebius minimus | | a | | | | | | -2 | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ochthebius viridis | | z | | | | | | | | | 0 | | 3 | 3 | |
| Odagmia ornata | | a | 0.4 | 0.6 | | | | | | | 0 | | 1 | 1 | |
| Odontocerum albicorne | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Odontomesa fulva | | va | 0.4 | 0.4 | | | | | | | 0 | | 3 | 3 | |
| Odontomyia sp | | - | | | | | | | | | | ? | 3 | 3 | |
| Oecetis furva | | za | | | | | | | | | 0 | | 3 | 3 | |
| Oecetis lacustris | | a | | | | | | -2 | | | | | 3 | 3 | |
| Oecetis notata | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Oecetis ochracea | | za | | | | | | | | | 0 | | 3 | 3 | |
| Oecetis tripunctata | | u | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Oemopteryx loewii | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Oligoneuriella rhenana | | | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Oligoneuriella sp | | x | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Oligoplectrum maculatum | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Oligostomis reticulata | | | | | | | | 3 | 3 | | | | 3 | 3 | |
| Oligotrichia striata | | vz | | | | | | 1 | 1 | | | | 3 | 3 | |
| Omphiscola glabra | | vz | | | | | | | | | | ? | 3 | 3 | |
| Onychogomphus forcipatus | | x | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ophiogomphus cecilia | | x | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Oplodontha viridula | | - | | | | | | 3 | 3 | | | | 2 | 1 | |
| Orchestia cavimana | | - | | | | | | | | | 0 | | 3 | 3 | |
| Orchestia gammarella | | - | | | | | | | | | 0 | | 3 | 3 | |
| Orectochilus villosus | | z | 0.4 | 0.4 | | 2 | 2 | 2 | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Oreodytes sanmarki | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Orthetrum cancellatum | | va | | | | | | | | | | ? | 3 | 3 | |
| Orthetrum coerulescens | | zz | | | | | | 3 | 3 | | | | 3 | 3 | |
| Orthocladius consobrinus | | z | | | | | | 2 | 2 | | | | 1 | 1 | |
| Orthocladius fuscimanus | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Orthocladius oblidens | | va | | | | | | | | | 0 | | 1 | 1 | |
| Orthocladius rivulorum | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Orthocladius rubicundus | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Orthocladius thienemanni | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Orthotrichia sp | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Osmylus fulvicephalus | | z | 0.1 | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Oulimnius major | | z | | | | | | | | | | ? | 3 | 3 | |
| Oulimnius rivularis | | vz | | | | | | | | | | ? | 3 | 3 | |
| Oulimnius sp | | x | | | | | | | | | | ? | 2 | 2 | |
| Oulimnius troglodytes | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Oulimnius tuberculatus | | vz | 0.4 | 0.1 | | | | | | | 0 | | 3 | 1 | |
| Oxus nodigerus | | z | | | | | | 2 | | | | | 1 | 1 | |
| Oxycera pardalina | | - | | | | | | | | | | ? | 3 | 3 | |
| Oxycera rara | | - | | | | | | | | | | ? | 1 | 1 | |
| Oxycera sp | | - | | | | | | | | | | ? | 3 | 3 | |
| Oxyethira falcata | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Oxyethira flavicornis | | z | | | | | | 2 | 2 | | | | 2 | 2 | |
| Oxyethira sp | | va | | | | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pachygaster leachii | | - | | | | | | | | | | ? | 2 | 1 | |
| Pagastiella orophila | | zz | | | | | | 3 | 3 | | | | 3 | 3 | |
| Palaemon adspersus | | x | | | | | | | | | 0 | | 0 | 0 | |
| Palaemon elegans | | - | | | | | | | | | 0 | | 0 | 0 | |
| Palaemon longirostris | | z | | | | | | | | | | ? | 0 | 0 | |
| Palaemonetes varians | | a | | | | | | | | | 0 | | 0 | 0 | |
| Pales sp | | - | | | | | | | | | | ? | 3 | 3 | synoniem van Nephrotoma Meigen 1803 |
| Palingenia longicauda | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Palpomyia sp | | - | | | | | | | | | 0 | | 3 | 3 | |
| Panisopsis vigilans | | zz | | | | | | 3 | 3 | | | | 1 | 1 | |
| Panisus torrenticolus | | - | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Parachiona picicornis | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Parachironomus arcuatus | | za | | | | | | | | | 0 | | 1 | 1 | |
| Parachironomus frequens | | va | | | | | | | | | 0 | | 1 | 1 | |
| Parachironomus gr arcuatus | | za | | | | | | | | | 0 | | 3 | 3 | |
| Parachironomus gr longiforceps | | - | | | | | | | | | | ? | 3 | 3 | |
| Parachironomus gr vitiosus | | va | | | | -1 | -1 | -1 | | | | | 3 | 3 | |
| Parachironomus sp kampen | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Paracladius conversus agg | | - | | | | -1 | -1 | -1 | | | | | 3 | 3 | |
| Paracladopelma camptolabis | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | |
| Paracladopelma laminata agg | | va | 0.4 | 0.1 | | -1 | -1 | -1 | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paracladopelma nigritula | | va | 0.4 | | | -1 | -1 | -1 | | | | | 1 | 1 | |
| Paracorixa concinna | | a | | | | | | | | | 0 | | 3 | 3 | |
| Paracymus aeneus | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Paracymus scutellaris | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Parakiefferiella bathophila | | z | | | | | | 2 | 2 | | | | 3 | 1 | |
| Paraleptophlebia cincta | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Paraleptophlebia submarginata | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Paralimnophyes hydrophilus | | va | | | | | | -1 | -1 | | | | 3 | 3 | |
| Paramerina cingulata | | va | | | | | | -1 | | | | | 1 | 1 | |
| Parametriocnemus stylatus | | vz | | | | 1 | 1 | | 1 | | | | 3 | 3 | |
| Paranais frici | | va | | | | | | | | | | ? | 3 | 3 | |
| Paranais litoralis | | vz | | | | | | | | | 0 | | 3 | 3 | |
| Parapoynx stratiotata | | va | | | | | | | | | 0 | | 3 | 3 | |
| Paratanytarsus confusus | | | | | | | | | | | | ? | 1 | 1 | |
| Paratanytarsus sp | | za | | | | | | | | | 0 | | 3 | 3 | |
| Paratanytarsus tenellulus | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Paratanytarsus tenuis | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | |
| Paratendipes albimanus | | a | | | | | | | | | 0 | | 1 | 1 | |
| Paratendipes gr albimanus | | - | | | | -2 | -2 | -2 | | | | | 3 | 3 | |
| Paratendipes gr nudisquama | | z | | | | | | | | | | ? | 3 | 3 | |
| Paratendipes intermedius | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Paratendipes nudisquama | | z | | | | | | 2 | 2 | | | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paratendipes sp | | x | | | | | | | | | | ? | 3 | 3 | |
| Paratrichocladius rufiventris | | va | | | | | | | | | 0 | | 3 | 3 | |
| Paroecetis struckii | | z | | | | | | 2 | 2 | | | | 3 | 3 | |
| Pedicia rivosa | | z | | | | 2 | 2 | 2 | | | | | 3 | 1 | |
| Pedicia sp | | x | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Peloscolex ferox | | va | | | | | | | | | | ? | 1 | 1 | |
| Peloscolex sp | | x | | | | | | | | | | ? | 2 | 2 | |
| Peloscolex velutinus | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Peltodytes caesus | | za | | | | | | -3 | | | | | 3 | 3 | |
| Perforatella rubiginosa | | | | | | | | | | | | ? | 0 | 0 | |
| Pericoma sp | | - | | | | | | | | | 0 | | 2 | 2 | |
| Perla burmeisteriana | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Perlodes microcephala | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Phaenopsectra sp | | a | | | | -2 | -2 | -2 | | | | | 3 | 3 | |
| Phagocata vitta | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Phalacrocera replicata | | z | | | | | | 2 | | | | | 3 | 3 | |
| Phryganea bipunctata | | a | | | | -2 | -2 | -2 | | | | | 2 | 2 | |
| Phryganea grandis | | va | | | 0.3 | | | | | | 0 | | 2 | 2 | |
| Physa acuta | | za | | | | -3 | -3 | -3 | | | | | 3 | 3 | |
| Physa fontinalis | | za | | | | -3 | -3 | -3 | | | | | 3 | 3 | |
| Piona alpicola | | za | | | | | | | | | 0 | | 1 | 1 | |
| Piona carnea | | va | | | | | | | | | 0 | | 1 | 1 | |
| Piona clavicornis | | vz | | | | | | 1 | 1 | | | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Piona coccinea | | za | | | | | | -3 | | | | | 2 | 2 | |
| Piona conglobata | | za | | | | | | | | | 0 | | 2 | 2 | |
| Piona longipalpis | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Piona neumani | | va | | | | | | | | | 0 | | 2 | 2 | |
| Piona nodata | | a | | | | | | | | | 0 | | 2 | 2 | |
| Piona paucipora | | z | | | | | | 2 | | | | | 2 | 2 | |
| Piona pusilla | | a | | | | | | -2 | | | | | 1 | 1 | |
| Piona rotundoides | | va | | | | | | | | | | ? | 1 | 1 | |
| Piona stjoerdalensis | | va | | | | | | | | | 0 | | 1 | 1 | |
| Piona variabilis | | a | | | | | | | | | 0 | | 2 | 2 | |
| Piscicola geometra | 1 | za | | | 0.5 | | | -3 | | | | | 3 | 3 | |
| Pisidium amnicum | | a | 0.4 | | | | | | | | 0 | | 1 | 1 | |
| Pisidium casertanum | | za | | | | | | | | | 0 | | 1 | 1 | |
| Pisidium henslowanum | | a | | | | | | | | | 0 | | 1 | 1 | |
| Pisidium hibernicum | | - | | | | | | | | | | ? | 1 | 1 | |
| Pisidium milium | | va | | | | | | | | | 0 | | 1 | 1 | |
| Pisidium moitessierianum | | a | | | | | | | | | 0 | | 1 | 1 | |
| Pisidium nitidum | | a | | | | | | | | | 0 | | 1 | 1 | |
| Pisidium obtusale obtusale | | va | | | | | | | | | 0 | | 1 | 1 | |
| Pisidium pseudosphaerium | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | |
| Pisidium pulchellum | | va | | | | | | | | | 0 | | 1 | 1 | |
| Pisidium sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Pisidium subtruncatum | | a | | | | | | | | | 0 | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pisidium supinum | | va | 0.4 | | | | | | | | 0 | | 1 | 1 | |
| Planaria torva | | vz | | | | | | | | | 0 | | 3 | 3 | |
| Planorbarius corneus | | za | | | | | | -3 | | | | | 3 | 3 | |
| Planorbis carinatus | | za | | | 0.8 | | | -3 | | | | | 2 | 2 | |
| Planorbis planorbis | | za | | | | | | -3 | | | | | 2 | 2 | |
| Platambus maculatus | | va | 0.4 | 0.4 | | | | | | | 0 | | 3 | 3 | |
| Platycnemis pennipes | | va | 0.4 | | | -1 | -1 | -1 | | | | | 3 | 3 | |
| Plea minutissima | | za | | | 0.5 | | | -3 | | | | | 3 | 3 | |
| Plectrocnemia conspersa | | va | 0.3 | 0.4 | | | | | | | 0 | | 3 | 3 | |
| Plumatella repens | | - | | | | | | | | | | ? | 0 | 0 | |
| Polycelis felina | | vz | 0.1 | 0.4 | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Polycelis nigra | | a | | | | | | | | | 0 | | 3 | 3 | |
| Polycelis tenuis | | za | | | | | | | | | 0 | | 3 | 3 | |
| Polycentropus flavomaculatus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Polycentropus irroratus | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Polychaeta | | x | | | | | | | | | 0 | | 3 | 3 | |
| Polydora ligni | | - | | | | | | | | | | ? | 2 | 2 | |
| Polypedilum bicrenatum | | va | | | | | | | | | 0 | | 2 | 1 | nieuwe sleutel |
| Polypedilum breviantennatum | | a | | | | | | | | | 0 | | 3 | 1 | nieuwe sleutel; synoniem van P.scalaenum (Schrank, 1803) |
| Polypedilum gr bicrenatum | | a | | | | -2 | -2 | -2 | | | | | 2 | 2 | nieuwe sleutel |
| Polypedilum gr | | za | | | | | | | | | 0 | | 3 | 3 | nieuwe sleutel |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| nubeculosum | | | | | | | | | | | | | | | |
| Polypedilum gr sordens | | - | | | | | | | | | 0 | | 3 | 3 | nieuwe sleutel |
| Polypedilum laetum | | vz | | | | 1 | 1 | 1 | | | | | 2 | 1 | nieuwe sleutel |
| Polypedilum laetum agg | | vz | 0.1 | 0.4 | | 1 | 1 | 1 | | | | | 2 | 2 | nieuwe sleutel |
| Polypedilum nubeculosum | | za | | | | | | | | | 0 | | 2 | 1 | nieuwe sleutel |
| Polypedilum pedestre | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | nieuwe sleutel |
| Polypedilum scalaenum | | vz | 0.4 | 0.6 | | 1 | 1 | 1 | | | | | 2 | 1 | nieuwe sleutel |
| Polypedilum sordens | | za | | | | | | | | | 0 | | 2 | 2 | nieuwe sleutel |
| Polypedilum uncinatum | | a | | | | | | | | | | | 2 | 1 | nieuwe sleutel |
| Porhydrus lineatus | | va | | | | | | -1 | | | | | 3 | 3 | |
| Potamanthus luteus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Potamophilus acuminatus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Potamophylax cingulatus | | z | | | | 2 | 2 | 2 | | | | | 2 | 1 | |
| Potamophylax latipennis | | z | | | | 2 | 2 | 2 | | | | | 2 | 1 | |
| Potamophylax luctuosus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 1 | |
| Potamophylax nigricornis | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Potamophylax rotundipennis | | va | 0.1 | 0.4 | | | | | | | 0 | | 3 | 3 | |
| Potamopyrgus antipodarum | | za | | | | | | | | | 0 | | 1 | 1 | |
| Potamothrix bavaricus | | va | | | | | | | | | | ? | 3 | 3 | |
| Potamothrix bedoti | | zz | | | | | | | | | | ? | 1 | 1 | |
| Potamothrix hammoniensis | | a | | | | -2 | -2 | -2 | | | | | 1 | 1 | |
| Potamothrix moldaviensis | | a | | | | -2 | -2 | -2 | | | | | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Potamothrix vejdovskyi | | z | | | | 2 | | | | | | | 1 | 1 | |
| Potthastia gaedii | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Potthastia longimana | | va | 0.4 | 0.4 | | -1 | -1 | -1 | | | | | 2 | 2 | |
| Praunus flexuosus | | - | | | | | | | | | | ? | 2 | 2 | |
| Prionocera turcica | | - | | | | | | 3 | | | | | 1 | 1 | |
| Pristina sp | | va | | | | | | | | | 0 | | 2 | 2 | |
| Proasellus cavaticus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Proasellus meridianus | | za | | | | -3 | -3 | -3 | | | | | 2 | 2 | |
| Procladius sp | | za | | | | -3 | -3 | -3 | | | | | 3 | 3 | |
| Procloeon bifidum | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Prodiamesa olivacea | | za | 0.6 | 0.6 | | | | | | | 0 | | 3 | 3 | |
| Propappus volkii | | - | | | | | | | | | | ? | 3 | 3 | |
| Protonemura meyeri | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Protonemura nitida | | u | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Protzia eximia | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Protzia invalvaris | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Psammoryctides albicola | | z | | | | | | | | | 0 | | 3 | 3 | |
| Psammoryctides barbatus | | a | | | | | | -2 | | | | | 3 | 3 | |
| Psectrocladius gr dilatatus | | x | | | | | | | | | | ? | 3 | 3 | |
| Psectrocladius gr psilopterus | | va | | | | | | | | | 0 | | 3 | 3 | |
| Psectrocladius gr sordidellus/limbatellus | | a | | | 0.5 | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Psectrocladius obvius | | vz | | | | | | 1 | | | | | 2 | 2 | |
| Psectrocladius obvius agg | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Psectrocladius platypus | | va | | | | | | | | | 0 | | 2 | 2 | |
| Psectrocladius psilopterus | | va | | | | | | | | | 0 | | 2 | 2 | |
| Psectrocladius sordidellus | | a | | | | | | | | | 0 | | 2 | 2 | |
| Psectrotanypus varius | | za | | | | | | -3 | | | | | 2 | 2 | |
| Pseudanodonta complanata | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Pseudochironomus prasinatus | | z | | | | | | 2 | 2 | | | | 1 | 1 | |
| Pseudorthocladius curtistylus | | | | | | | | | | | | ? | 3 | 1 | |
| Pseudorthocladius curtistylus agg | | | | | | | | | | | | ? | 3 | 3 | |
| Pseudosmittia arenaria | | va | | | | | | | | | | ? | 1 | 1 | |
| Pseudosmittia sp | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Pseudosmittia virgo | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Psychoda sp | | a | | | | | | | | | 0 | | 2 | 2 | |
| Psychomyia pusilla | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ptilocolepus granulatus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ptychoptera sp | | a | | | | | | | | | 0 | | 3 | 3 | |
| Pygospio elegans | | | | | | | | | | | | ? | 3 | 3 | |
| Pyrrhosoma nymphula | | a | | | | | | | | -2 | | | 3 | 3 | |
| Quistodrilus multisetosus | | a | | | | | | | | | | 0 | 1 | 1 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Radix peregra | | - | | | | -3 | -3 | -3 | | | | | 1 | 1 | |
| Raptobaetopus tenellus | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Rhadicoleptus alpestris | | zz | | | | | | 3 | 3 | | | | 3 | 3 | |
| Rhantus frontalis | | a | | | | | | | | | 0 | | 3 | 3 | |
| Rhantus suturalis | | a | | | | | | | | | 0 | | 3 | 3 | |
| Rhantus suturellus | | z | | | | | | 2 | | | | | 3 | 3 | |
| Rheocricotopus atripes | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Rheocricotopus chalybeatus | | va | 0.1 | 0.4 | | | | | | | 0 | | 1 | 1 | |
| Rheocricotopus fuscipes | | va | 0.3 | 0.6 | | 1 | 1 | 1 | | | | | 1 | 1 | |
| Rheocricotopus gr fuscipes | | va | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Rheocricotopus sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Rheopelopia ornata | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | |
| Rheotanytarsus photophilus | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Rheotanytarsus rhenanus | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Rheotanytarsus sp | | a | | | | -2 | -2 | -2 | | | | | 3 | 3 | |
| Rhithrogena diaphana | | u | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Rhithrogena iridina | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Rhithrogena semicolorata | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Rhithrogena sp | | x | | | | 2 | 2 | 2 | | | | | 2 | 3 | |
| Rhithropanopeus harrisii | | zz | | | | | | 3 | | | | | 0 | 0 | |
| Rhyacodrilus coccineus | | va | | | | | | | | | | ? | 3 | 3 | |
| Rhyacophila fasciata | | z | | 0.4 | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Rhyacophila nubila | | - | | | | 3 | 3 | 3 | | | | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rhyacophila vulgaris | | | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Riolus cupreus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Riolus sp | | x | | | | | | | | | 0 | | 2 | 2 | |
| Riolus subviolaceus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ripistes parasita | | vz | | | | | | 1 | 1 | | | | 3 | 3 | |
| Robackia demeyerei | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Roederiodes juncta | | - | | | | 2 | 2 | 2 | | | | | 0 | 0 | |
| Satchelliella nubila | | | | | | | | | | | | ? | 1 | 1 | synoniem van Pneumia Enderlein, 1935 |
| Scarodytes halensis | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Sciomyzidae | | - | | | | | | | | | 0 | | 3 | 3 | |
| Scirtes sp | | - | | | | | | | | | 0 | | 2 | 2 | |
| Segmentina nitida | | a | | | | | | -2 | | | | | 3 | 3 | |
| Sericostoma flavicorne | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Sericostoma personatum | | va | 0.3 | 0.4 | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Sericostoma sp | | x | | | | | | | | | 0 | | 3 | 3 | |
| Setodes argentipunctellus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Setodes punctatus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Setodes viridis | | u | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Sialis fuliginosa | | vz | 0.1 | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Sialis lutaria | | za | | | 0.8 | | | -3 | | | | | 3 | 3 | |
| Sigara distincta | | a | | | | -2 | -2 | -2 | | | | | 2 | 1 | |
| Sigara fossarum | | va | | | 0.3 | | | | | | 0 | | 3 | 3 | |
| Sigara hellensi | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sigara lateralis | | za | | | | | | -3 | | | | | 3 | 3 | |
| Sigara limitata | | z | | | | | | 2 | 2 | | | | 3 | 3 | |
| Sigara nigrolineata | | va | | | | -1 | -1 | -1 | | | | | 3 | 3 | |
| Sigara scotti | | vz | | | | | | 1 | 1 | | | | 3 | 3 | |
| Sigara selecta | | z | | | | | | 2 | | | | | 3 | 3 | |
| Sigara semistriata | | a | | | | | | | | | 0 | | 3 | 3 | |
| Sigara stagnalis | | va | | | | | | | | | 0 | | 3 | 3 | |
| Sigara striata | | za | | | 0.8 | -3 | -3 | -3 | | | | | 3 | 3 | |
| Silo nigricornis | | z | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Silo pallipes | | z | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Silo piceus | | x | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Silo sp | | x | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Simulium argyreatum | 1 | | 0.4 | 0.1 | | | | | | | | ? | 1 | 1 | |
| Simulium morsitans | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Simulium sp | | - | | | | | | | | | 0 | | 1 | 1 | |
| Simulium vernum | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | |
| Siphlonurus aestivalis | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Siphlonurus alternatus | | u | | | | | | 3 | | | | | 3 | 3 | |
| Siphlonurus armatus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Siphlonurus lacustris | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Siphonoperla burmeisteri | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Siphonoperla torrentium | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Sisyra fuscata | | | | | | 3 | 3 | 3 | | | | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Somatochlora arctica | | zz | | | | | | 3 | 3 | | | | 2 | 2 | |
| Somatochlora metallica | | vz | | | | 1 | 1 | 1 | | | | | 2 | 2 | |
| Specaria josinae | | z | | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Spercheus emarginatus | | a | | | | | | -2 | | | | | 3 | 3 | |
| Sperchon clupeifer | | z | 0.5 | 0.4 | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Sperchon glandulosus | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Sperchon setiger | | z | 0.1 | 0.4 | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Sperchon squamosus | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Sperchonopsis verrucosa | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Sphaerium corneum | | za | | | | | | | | | 0 | | 3 | 3 | |
| Sphaerium rivicola | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Sphaerium solidum | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Sphaeroma hookeri | | va | | | | | | | | | 0 | | 3 | 3 | |
| Sphaeroma rugicauda | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Spongillidae | | - | | | | | | | | | | | 3 | 3 | |
| Stagnicola palustris | | za | | | | | | -3 | | | | | 1 | 1 | |
| Stempellina sp | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Stempellinella brevis | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Stempellinella minor | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Stenochironomus sp | | x | | | | | | | | | | ? | 3 | 3 | |
| Stenophylax permistus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Stenophylax sp | | - | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Stictochironomus sp | | va | | | | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Stictotarsus duodecimpustulatus | | va | 0.4 | | | -1 | -1 | -1 | | | | | 3 | 3 | |
| Streblospio shrubsolii | | - | | | | | | | | | | ? | 2 | 2 | |
| Stylaria lacustris | | za | | | | | | -3 | | | | | 3 | 3 | |
| Stylodrilus heringianus | | va | | | | | | 1 | -1 | | | | 1 | 1 | |
| Succineidae | | - | | | | | | | | | | ? | 3 | 1 | Is niet echt een aquatische familie. Wordt wel veel aangetroffen in monsters en vaak aangezien voor Lymnaeidae |
| Suphrodytes dorsalis | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Sympetrum danae | | a | | | | | | | | | 0 | | 2 | 2 | |
| Sympetrum depressiusculum | | zz | | | | | | 3 | 3 | | | | 2 | 2 | |
| Sympetrum flaveolum | | z | | | | | | 2 | 2 | | | | 2 | 2 | |
| Sympetrum sanguineum | | va | | | | | | | | | 0 | | 2 | 2 | |
| Symposiocladius lignicola | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Synorthocladius semivirens | | vz | | | | 1 | 1 | 1 | | | | | 3 | 3 | |
| Taeniopteryx nebulosa | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Tanypus kraatzi | | za | | | | | | | | | 0 | | 3 | 3 | |
| Tanypus punctipennis | | a | | | | | | -2 | | | | | 3 | 3 | |
| Tanytarsus bathophilus | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | |
| Tanytarsus ejuncidus | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Tanytarsus gr brundini | | va | | | | | | | | | 0 | | 2 | 2 | |
| Tanytarsus gr usmaensis | | zz | | | | | | | | | | ? | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tanytarsus lestagei | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Tanytarsus mendax | | a | | | | | | | | | 0 | | 1 | 1 | |
| Tanytarsus pallidicornis | | za | | | | | | | | | 0 | | 1 | 1 | |
| Tanytarsus sp | | za | | | | | | | | | 0 | | 3 | 3 | |
| Tanytarsus striatulus | | zz | | | | 3 | 3 | 3 | | | | | 1 | 1 | |
| Telmatogeton sp | | x | | | | | | | | | | ? | 3 | 3 | |
| Telmatopelopia nemorum | | vz | | | | | | 1 | -1 | | | | 2 | 2 | |
| Telmatoscopus sp | | - | | | | | | | | | | ? | 2 | 2 | |
| Thalassosmittia thalassophila | | z | | | | 2 | | 2 | | | | | 1 | 1 | |
| Thaumalea testacea | | - | | | | | | | | | | ? | 3 | 3 | |
| Thaumaleidae | | - | | | | | | | | | | ? | 3 | 3 | |
| Theodoxus fluviatilis | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Theromyzon tessulatum | | za | | | | | | | | | 0 | | 3 | 3 | |
| Thienemanniella flaviforceps | | vz | | | | 1 | 1 | 1 | | | | | 1 | 1 | |
| Thienemanniella flaviforceps agg | 1 | vz | 0.1 | | | | | | | | | ? | 3 | 3 | |
| Thienemanniella sp | | x | | | | | | | | | | ? | 3 | 3 | |
| Tinodes assimilis | | z | | | | 2 | 2 | 2 | | | | | 2 | 2 | |
| Tinodes pallidulus | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Tinodes unicolor | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Tinodes waeneri | | a | 0.1 | 0.1 | | | | | | | 0 | | 2 | 2 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tiphys ornatus | | a | | | | | | -2 | | | | | 2 | 2 | |
| Tipulidae | | x | | | | | | | | | 0 | | 3 | 3 | |
| Torrenticola amplexa | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Triaenodes bicolor | | za | | | 0.8 | | | -3 | | | | | 3 | 3 | |
| Triaenodes reuteri | | zz | | | | | | 3 | | | | | 3 | 3 | |
| Triaenodes simulans | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Tribelos intextus | | vz | | | | | | 1 | 1 | | | | 3 | 3 | |
| Tricholeiochiton fagesi | | vz | | | | | | 1 | 1 | | | | 2 | 2 | |
| Trichostegia minor | | z | | | | | | | | | 0 | | 3 | 3 | |
| Trissocladius brevipalpis | | va | | | | | | | | | | ? | 3 | 3 | |
| Trissocladius sp | | va | | | | | | | | | 0 | | 2 | 2 | |
| Trissopelopia longimana | | zz | | | | 3 | 3 | 3 | | | | | 2 | 2 | |
| Trocheta bykowskii | | vz | | | | | | | | | 0 | | 1 | 1 | |
| Tubifex costatus | | va | | | | | | -1 | | | | | 3 | 3 | |
| Tubifex ignotus | | vz | | | | | | | | | | ? | 1 | 1 | |
| Tubifex newaensis | | z | | | | | | 2 | | | | | 1 | 1 | |
| Tubifex tubifex | | a | | | | | | -2 | | | | | 1 | 1 | |
| Tubificoides benedeni | | vz | | | | | | | | | 0 | | 1 | 1 | |
| Tubificoides pseudogaster | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Uncinais uncinata | | va | | | | | | -1 | | | | | 3 | 3 | |
| Unio crassus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Unio crassus nanus | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Unio pictorum | | a | | | | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unio tumidus | | vz | | | | | | 1 | | | | | 3 | 3 | |
| Unionicola aculeata | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Unionicola gracilipalpis | | vz | | | | | | 1 | | | | | 1 | 1 | |
| Unionicola intermedia | | z | | | | 2 | 2 | 2 | | | | | 1 | 1 | |
| Unionicola parvipora | | zz | | | | | | 3 | | | | | 1 | 1 | |
| Valvata cristata | | za | | | | | | | | | 0 | | 3 | 3 | |
| Valvata piscinalis | | za | | | | -3 | -3 | -3 | | | | | 3 | 3 | |
| Valvata pulchella | | z | | | | | | 2 | | | | | 3 | 3 | |
| Vejdovskiella comata | | z | | | | | | 2 | | | | | 2 | 2 | |
| Vejdovskiella intermedia | | va | | | | | | | | | 0 | | 2 | 2 | |
| Velia caprai | | a | 0.4 | 0.4 | | | | | | | 0 | | 3 | 3 | |
| Velia saulii | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Ventrosia ventrosa | | vz | | | | | | | | | 0 | | 1 | 1 | is oude naam, nieuwe is Hydrobia ventrosa (Montagu, 1803), bron: Gittenberger et al, 1998 |
| Victorella pavida | | x | | | | | | | | | | ? | 0 | 0 | |
| Viviparus contectus | | a | | | | | | -2 | | | | | 3 | 2 | |
| Viviparus viviparus | | va | | | | | | | | | 0 | | 3 | 2 | |
| Wettina podagrica | | z | 0.3 | | | 2 | 2 | 2 | | | | | 3 | 3 | |
| Wormaldia occipitalis | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Wormaldia subnigra | | zz | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Xanthoperla apicalis | | u | | | | 3 | 3 | 3 | | | | | 3 | 3 | |
| Xenochironomus xenolabis | | va | | | | | | | | | 0 | | 3 | 3 | |

| taxonnaam | geen kwr ind | zeldzaamheidsklasse | laaglandbeek (MNP indicatoren) | heuvellandbeek (MNP indicatoren) | laagveensloot (MNP indicatoren) | hydrologische verstoring | morfologische verstoring | eutrofiëring/organische belasting | verzuring | verdroging/droogval | geen indicatie | onbekend | determineerbaarheid | betrouwbaarheid gegevens | opmerkingen bij determineerbaarheid/ betrouwbaarheid |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Xenopelopia nigricans | | za | | | | | | | -3 | -3 | | | 1 | 1 | |
| Xenopelopia sp | | za | | | | | | | | | 0 | | 3 | 3 | |
| Zalutschia humphresiae | | z | | | | | | 2 | 2 | | | | 1 | 1 | |
| Zavreliella marmorata | | va | | | | | | | | | 0 | | 3 | 3 | |
| Zavrelimyia nubila | | va | | | | | | | | | 0 | | 1 | 1 | |
| Zavrelimyia sp | | va | 0.4 | 0.4 | | | | | -1 | -1 | | | 3 | 3 | |
| Zschokkea oblonga | | zz | | | | | | 3 | 3 | | | | 2 | 2 | |

# Bijlage 2 Indicatoren macrofyten

*(type plant; w = water, t=terrestrisch, m=mos: stressoren; 1=neemt af, 2=neemt sterk af, 3=verdwijnt, -1=neemt toe, -2=neemt sterk toe, -3=neemt explosief toe: extra bij eutrofiëring 0=tolerant voor voedselrijk; bij verzuring 0=komt ook voor in zwak zuur water; bij verdroging 0=verdraagt tijdelijke droogval; bij verzilting 0=komt ook voor in licht brak water; bij schaduw 0=verdraagt lichte beschaduwing: determineerbaarheid 1=moeilijk, 2=matig, 3=gemakkelijk: betrouwbaarheid 1=slecht, 2=matig, 3=goed).*

| **juiste taxonnaam** | **juiste Nederlandse naam** | **type plant** | **hydrologische verstoring** | **morfologische verstoring** | **inlaatwater** | **eutrofiering** | **verontreiniging** | **verzuring** | **verdroging** | **verzilting** | **verzoeting** | **schaduw** | **stroming** | **geen indicatie** | **onbekend** | **determineer-baarheid** | **betrouwbaarheid gegevens** | **opmerkingen** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Agrostis stolonifera | Fioringras | t | | | | | | | | | | | | | | | | |
| Alisma gramineum | Smalle Waterweegbree | w | | | | 1 | 3 | 2 | | 0 | | | 1 | | | 2 | | |
| Alisma lanceolatum | Slanke Waterweegbree | w | | | | 1 | | | | 0 | | 3 | | | | 2 | | |
| Alisma plantago-aquatica | Grote Waterweegbree | w | | | 0 | -2 | | 1 | -2 | | | | 0 | | | 2 | | indicator voor eutrofiëring in voedselarme vennen |
| Alopecurus aequalis | Rosse Vossestaart | w | | | | -2 | | | -2 | | | | | | | 2 | | indicator voor eutrofiering in voedselarme vennen |
| Apium inundatum | Ondergedoken Moerasscherm | w | | | | 3 | | 3 | 0 | | | | | | | 2 | | |
| Apium nodiflorum | Groot Moerasscherm | w | | | | 0 | | | | 0 | | 0 | | | | 2 | | |
| Aster tripolium | Zulte | t | | | | | | | | | | | | | | | | |
| Azolla caroliniana | Kleine Kroosvaren | w | | | | | 2 | | | | | | | | | 2 | | niet inheems |
| Azolla filiculoides | Grote Kroosvaren | w | | | | -3 | -3 | | | 0 | | | | | | 2 | | niet inheems |
| Berula erecta | Kleine Watereppe | w | | | | 0 | | | | 0 | | 0 | | | | 2 | | |
| Brachythecium rivulare | Beek-Dikkopmos | m | | | | | | | | | | | | | | | | |
| Brachythecium rutabulum | Gewoon Dikkopmos | m | | | | | | | | | | | | | | | | |
| Butomus umbellatus | Zwanebloem | w | | | -3 | | 0 | | 0 | -1 | | | | | | 3 | | |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Calla palustris | Slangewortel | w | | | | -1 | | | | 3 | | | | | | 3 | | indicator voor eutrofiering in vennen |
| Callitriche hamulata | Haaksterrekroos | w | | | | 3 | | 0 | | 3 | | 0 | | | | 1 | | |
| Callitriche hermaphroditica | Rond Sterrekroos | w | | | | 3 | | | 3 | 0 | | | | | | 1 | | |
| Callitriche obtusangula | Stomphoekig Sterrekroos | w | | | | 0 | | | 0 | 0 | | | | | | 1 | | |
| Callitriche platycarpa | Gewoon Sterrekroos | w | | | | 1 | 0 | | 0 | 3 | | 0 | | | | 1 | | |
| Callitriche sp | Sterrekroos | w | | | | | | | | | | | | | | 3 | | genus niet indicatief |
| Callitriche stagnalis | Gevleugeld Sterrekroos | w | | | | 0 | | | -2 | 0 | | | | | | 1 | | |
| Callitriche truncata | Doorschijnend Sterrekroos | w | | | | | | | | | | | | | * | 1 | | |
| Caltha palustris subsp. araneosa | Spindotterbloem | w | -3 | | | | | | | | | | | | | 3 | | bij sterke waterstandswisseling |
| Cardamine amara | Bittere Veldkers | w | | | | 0 | | | | | | 0 | | | | 3 | | langs beken, veel schaduw |
| Carex acuta | Scherpe Zegge | w | | | | 0 | | | -2 | 0 | | 0 | | | | 1 | | |
| Carex distans | Zilte Zegge | t | | | | | | | | | | | | | | | | |
| Carex elata | Stijve Zegge | w | | | | 2 | | 0 | -2 | | | | | | | 1 | | bij sterke waterstandswisseling |
| Carex flava | Gele Zegge | t | | | | | | | | | | | | | | | | |
| Carex lasiocarpa | Draadzegge | w | | | | 3 | | 0 | -1 | 3 | | | | | | 1 | | |
| Carex limosa | Slijkzegge | w | 3 | | | 3 | | -2 | | | | | | | | 1 | | zuur water maar ook aanvoer van basenrijker grondwater, in hoogvenen, zeer zeldzaam |
| Carex oederi s.l. | Carex Oederi S.L. | w | | | | | | | | | | | | | | 1 | | |
| Carex oederi subsp. | Dwergzegge | w | | | | 2 | | | 3 | 0 | | 2 | | | | 1 | | indicator voor verdroging in duinen, |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| oederi | | | | | | | | | | | | | | | | | | plant moet 's winters onder water staan, 's zomers valt de standplaats vaak droog, veelal in droogv. vennen |
| Carex pseudocyperus | Hoge Cyperzegge | w | | | | 0 | | | | 0 | | 0 | | | | 1 | | |
| Carex rostrata | Snavelzegge | w | 3 | | | 2 | | 0 | | 3 | | | | | | 1 | | kan niet tegen waterstandswisseling |
| Carex trinervis | Drienervige Zegge | t | | | | | | | | | | | | | | | | |
| Cephalozia macrostachya | Aar-Maanmos | m | | | | | | | | | | | | | | | | |
| Cephaloziella elachista | Fijn Draadmos | m | | | | | | | | | | | | | | | | |
| Ceratophyllum demersum | Grof Hoornblad | w | | | | -3 | | | | 0 | | -3 | | | | 3 | 2 | |
| Ceratophyllum submersum | Fijn Hoornblad | w | 2 | | | -3 | | | | 0 | | -3 | | | | 3 | 2 | kan niet tegen waterstandswisseling |
| Chara aculeolata var. pedunculata | Harig Kransblad | w | | | | 2 | | | | 0 | 2 | | | | | 1 | | uiterst zeldzaam, kalkrijk, helder water |
| Chara aspera | Ruw Kransblad | w | | | | 3 | | | | 0 | | | | | | 1 | | zandgrond |
| Chara baltica | Kust Kransblad | w | | | | 3 | | | | 0 | 3 | | | | | 1 | | |
| Chara canescens | Brakwaterkransblad | w | | | | 2 | | | | 0 | 3 | | | | | 1 | | zeer helder water |
| Chara connivens | Gebogen Kransblad | w | | | | 3 | | | | 0 | | | | | | 1 | | kalkrijk, zandgrond |
| Chara contraria | Brokkelig Kransblad | w | | -2 | | 2 | | | | 0 | | | | | | 1 | | helder, kalkrijk, pionier bevoordeeld door schoning |
| Chara globularis | Breekbaar Kransblad | w | | | | 2 | | | | 0 | | | | | | 1 | | plaatsen met sterk wisselend milieu |
| Chara major | Stekelharig Kransblad | w | | | | 3 | | | | 0 | | | | | | 1 | | kalkrijk, zand of veen |
| Chara sp | Kransblad | w | | | | 3 | | | | | | | | | | 3 | | |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chara vulgaris | Gewoon Kransblad | w | | -2 | | 2 | | | | | | | | | | 1 | | kalkrijk, klei, veen of zand, neemt toe bij schoning (pionier) |
| Chara vulgaris var. papillata | Stekelig Gewoon Kransblad | w | | -2 | | 2 | | | | 0 | | | | | | 1 | | |
| Chrysosplenium alternifolium | Verspreidbladig Goudveil | w | | 3 | | | | | | | | -3 | | | | 3 | | |
| Chrysosplenium oppositifolium | Paarbladig Goudveil | w | | 3 | | | | | | | | -1 | | | | 3 | | |
| Cicuta virosa | Waterscheerling | w | | | | | | | | | | | | * | | 3 | | kenmerkend voor drijftillen in matig voedselrijk water |
| Cirsium palustre | Kale Jonker | t | | | | | | | | | | | | | | | | |
| Cladium mariscus | Galigaan | w | | | | | | 0 | 1 | 0 | | 1 | | | | 3 | | |
| Cladopodiella fluitans | Ijl Stompmos | m | | | | | | | | | | | | | | | | |
| Cochlearia officinalis | Echt Lepelblad | w | | | | | | | | -1 | 3 | | | | | 2 | | |
| Cratoneuron filicinum | Gewoon Diknerfmos | m | | | | | | | | | | | | | | | | |
| Deschampsia setacea | Moerassmele | w | 3 | | | 3 | | 0 | 0/3 | | | | | | | 2 | | indicator voor ontwatering, plant moet in de winter onder water staan |
| Drepanocladus fluitans | Ven-Sikkelmos | m | | | | | | | | | | | | | | | | |
| Drosera intermedia | Kleine Zonnedauw | t | | | | | | | | | | | | | | | | |
| Drosera longifolia | Lange Zonnedauw | t | | | | | | | | | | | | | | | | |
| Drosera rotundifolia | Ronde Zonnedauw | t | | | | | | | | | | | | | | | | |
| Drosera x obovata | Lange X Ronde Zonnedauw | t | | | | | | | | | | | | | | | | |
| Echinodorus | Stijve Moerasweegbree | w | | | | 3 | | 0/3 | 0 | | | | | | | 2 | | |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ranunculoides | | | | | | | | | | | | | | | | | | |
| Echinodorus repens | Kruipende Moerasweegbree | w | | | | 3 | | 0/2 | 0 | | | | | | | 2 | | kalkmijdend |
| Elatine hexandra | Gesteeld Glaskroos | w | | | | 3 | | 3 | 0 | | | | | | | 3 | | |
| Eleocharis acicularis | Naaldwaterbies | w | | | | 2 | | | 0 | 3 | | 0 | | | | 1 | | |
| Eleocharis multicaulis | Veelstengelige Waterbies | w | | | | 3 | | -1 | 0 | | | | | | | 1 | | goed bestand tegen verzuring in vennen zolang ze blijven droogvallen |
| Eleocharis palustris | Gewone Waterbies | w | -2 | | | 0 | | | 0 | 0 | | 3 | | | | 1 | | sterke waterstandswisseling |
| Eleogiton fluitans | Vlottende Bies | w | | -2 | | 2 | | 0 | 0 | | | 0 | 0 | | | 2 | | als geschoond wordt kan de plant in voedselrijker water voorkomen |
| Elodea canadensis | Brede Waterpest | w | -1 | | 2 | 2 | 2 | | | 0 | | | | | | 3 | | niet inheems, tolerant voor piekafvoeren |
| Elodea nuttallii | Smalle Waterpest | w | | -3 | -3 | -3 | | | | 0 | | | | | | 3 | | niet inheems, bij te vroege schoning massale ontwikkeling, ten koste van overwinterende planten |
| Elodea sp | Waterpest | w | | | | | | | | | | | | | | 3 | | genus geen indicatie |
| Enteromorpha intestinalis | Darmwier | a | | | -3 | -3 | | | | 0 | | | | | | | | |
| Enteromorpha sp | Darmwier Sp | a | | | -3 | -3 | | | | 0 | | | | | | | | |
| Epilobium obscurum | Donkergroene Basterdwederik | t | | | | | | | | | | | | | | | | |
| Equisetum fluviatile | Holpijp | w | | | | 1 | | | | | | | | | | 3 | | indiceert ijzerrijk kwelwater |
| Equisetum telmateia | Reuzenpaardestaart | w | | | | | | | | | | 0 | | | * | 3 | | in kalkrijke brongebieden |
| Eriophorum angustifolium | Veenpluis | w | | | | 3 | | -2 | 0 | | | | | | | 2 | | |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eriophorum vaginatum | Eenarig Wollegras | t | | | | 2 | | -2 | | | | 0 | | | | 2 | | bovenop veenbulten |
| Fontinalis antipyretica | Bronmos | m | | | | | | | | | | | | | | | | |
| Galium palustre | Moeraswalstro | w | | | | 0 | | 3 | | 0 | | 0 | | | | 3 | | niet bij getijdenbeweging |
| Glaux maritima | Melkkruid | t | | | | | | | | | | | | | | | | |
| Glyceria fluitans | Mannagras | w | | | | -2 | | 0 | 0 | | | 0 | | | | 3 | | verdraagt inundatie slecht |
| Glyceria maxima | Liesgras | w | | | | -3 | -3 | | 0 | | | | | | | 3 | | niet bestand tegen windwerking en golfslag |
| Glyceria notata notata | Glyceria Notata S.L. | w | | | | 0 | | 3 | | 0 | | | | | | 1 | | |
| Glyceria notata s.l. | Stomp En Getand Vlotgras | w | | | | | | | | | | | | | | 2 | | |
| Glyceria notata subsp. declinata | Getand Vlotgras | w | | | | | | | 0 | | | 0 | | | | 1 | | |
| Groenlandia densa | Paarbladig Fonteinkruid | w | | | -3 | 1 | | 3 | | | | | 1 | | | 2 | | indicator voor verharding |
| Hippuris vulgaris | Lidsteng | w | | | | 0 | | | | | | | | | | 3 | | |
| Hottonia palustris | Waterviolier | w | | | 2 | 1 | | | | 3 | | 0 | | | | 3 | | indicator voor co2 rijk kwelwater, bij te vroeg schonen Elodea veld ipv hottonia |
| Hydrocharis morsus-ranae | Kikkerbeet | w | | | | 1 | 1 | 0 | 3 | 0 | | | | | | 3 | | |
| Hydrocotyle vulgaris | Waternavel | w | 0 | | | 2 | | 0 | | | | 0 | | | | 3 | | verdraagt waterstandswisseling |
| Hypericum elodes | Moerashertshooi | w | | | 3 | 3 | | 0/3 | 0 | | | | | | | 2 | | |
| Iris pseudacorus | Gele Lis | w | | | | 0/3 | | | | | | | | | | 3 | | in vennen en hoogvenen indicator voor toenemende voedselrijkdom |
| Isoetes echinospora | Kleine Biesvaren | w | | | | 3 | | 3 | | | | | | | | | | |
| Isoetes lacustris | Grote Biesvaren | w | | | | 3 | | 3 | | | | | | | | | | |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Juncus articulatus | Zomprus | t | | | | | | | | | | | | | | | | |
| Juncus bufonius | Greppelrus | t | | | | | | | | | | | | | | | | |
| Juncus bulbosus | Knolrus S.L. | w | | | | | | -3 | | | | 0 | | | | 3 | | |
| Juncus gerardi | Zilte Rus | t | | | | | | | | | | | | | | | | |
| Juncus inflexus | Zeegroene Rus | t | | | | | | | | | | | | | | | | |
| Juncus subnodulosus | Padderus | w | | | | 2 | | | | 0 | | | | | | 1 | | basenrijk kwelwater |
| Lemna gibba | Bultkroos | w | | | -3 | -3 | | | | 0 | | 3 | | | | 1 | | |
| Lemna minor | Klein Kroos | w | | | | -2 | | | | | | 0 | | | | 1 | | |
| Lemna trisulca | Puntkroos | w | | | | 1 | | 0 | | 0 | | 0 | | | | 3 | | verdwijnt onder kroosdek, alleen in zwak zuur water bij aanvoer van co2 rijk kwelwater |
| Leontodon autumnalis | Vertakte Leeuwentand | t | | | | | | | | | | | | | | | | |
| Littorella uniflora | Oeverkruid | w | | | | 3 | | 0/3 | 0 | 0 | | | | | | 3 | | |
| Lobelia dortmanna | Waterlobelia | w | | | | 3 | | 0/3 | | | | | | | | 3 | | |
| Lotus corniculatus | Gewone Rolklaver | t | | | | | | | | | | | | | | | | |
| Luronium natans | Drijvende Waterweegbree | w | | | | 3 | | 0/3 | | 3 | | | | | | 2 | | |
| Lycopodium inundatum | Moeraswolfsklauw | w | | | | | | | 0 | | | | | | | 3 | | s winters onder water, drassige plekken |
| Lythrum portula | Waterpostelein | w | | | | 3 | | 3 | 0 | 3 | | | | | | 3 | | |
| Lythrum salicaria | Grote Kattestaart | t | | | | 0 | | 0 | | 3 | | | | | | 3 | | |
| Mentha aquatica | Watermunt | w | | | | 0 | | 2 | | 0 | | 0 | | | | 3 | | |
| Menyanthes trifoliata | Waterdrieblad | w | | | 3 | 2 | | 0 | | | | | | | | 3 | | indiceert kwelwater |
| Molinia caerulea | Pijpenstrootje | t | | | | | | | | | | | | | | | | |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Montia fontana | Bronkruid S.L. | w | | | | 3 | | | 0 | | | -2 | 0 | | | 3 | | alleen in stromend water |
| Montia fontana subsp. chondrosperma | Klein Bronkruid | w | | | | | | | | | | | | | * | 2 | | |
| Montia fontana subsp. fontana | Groot Bronkruid | w | | | | | | | | | | | | | * | 2 | | |
| Myosotis palustris | Moerasvergeet-Mij-Nietje | w | | | | 0 | | | 0 | 0 | | 0 | | | | 3 | | |
| Myrica gale | Wilde Gagel | t | | | | | | | | | | | | | | | | |
| Myriophyllum alterniflorum | Teer Vederkruid | w | | | | 3 | | 3 | | 3 | | | | | | 2 | | niet bij bezinksel van organische materiaal, daarom veelvuldig in stromende wateren |
| Myriophyllum sp | Vederkruid | w | | | | | | | | | | | | | | 3 | | |
| Myriophyllum spicatum | Aarvederkruid | w | | | | -2 | | | | 0 | | | | | | 2 | | |
| Myriophyllum verticillatum | Kransvederkruid | w | | | | 3 | | | 0 | 0 | | | | | | 2 | | kwelindicator |
| Najas marina | Groot Nimfkruid | w | | | -3 | 1 | | | | -1 | | | | | | 3 | | in basisch water |
| Narthecium ossifragum | Beenbreek | w | | | | 3 | | 0 | 0/3 | | | 3 | | | | 3 | | |
| Nitella capillaris | Kleinhoofdig Glanswier | w | | -3 | | 2 | | | | | | | | | | 1 | | door schoning toename |
| Nitella flexilis | Buigzaam Glanswier | w | | -2 | | 2 | | | | | | | 0 | | | 1 | | |
| Nitella hyalina | Klein Glanswier | w | | | | 3 | | 0 | | | | | | | | 1 | | helder water |
| Nitella mucronata | Puntdragend Glanswier | w | | | | 2 | | 0 | | | | | | | | 1 | | |
| Nitella opaca | Donker Glanswier | w | | | | 2 | | | | 0 | | | | | | 1 | | |
| Nitella sp | Glanswier | w | | | | | | | | | | | | | | 3 | | |
| Nitella translucens | Doorschijnend | w | | | | 3 | | | | | | | | | | 1 | | kalkarm, komt snel terug na |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Glanswier | | | | | | | | | | | | | | | | | schoonmaken van vennen |
| Nitellopsis obtusa | Sterkranswier | w | | | | 2 | | | | 0 | | | | | | 1 | | |
| Nuphar lutea | Gele Plomp | w | | | | 0 | | | | 0 | | 0 | | | | 3 | | |
| Nymphaea alba | Witte Waterlelie | w | | | | 2 | | 0 | 0 | 0 | | | 3 | | | 3 | | |
| Nymphoides peltata | Watergentiaan | w | | | | 1 | | | | 0 | | | 0 | | | 3 | | |
| Oenanthe aquatica | Watertorkruid | w | | | | 0/-1 | | | 0 | 0 | | | | | | 3 | | heeft droogval nodig voor kieming, in voedselarme vennen indicatie voor eutrofiering |
| Oenanthe fistulosa | Pijptorkruid | w | | | | 0 | | | | 0 | | 3 | | | | 3 | | |
| Oxycoccus palustris | Kleine Veenbes | t | | | | | | | | | | | | | | | | |
| Pellia epiphylla | Gewone Pellia | m | | | | | | | | | | | | | | | | |
| Phalaris arundinacea | Rietgras | w | -3 | | | -2 | | 0 | 0 | 0 | | | 0 | | | 3 | | in dynamisch milieu |
| Philonotis fontana | Beek-Staartjesmos | m | | | | | | | | | | | | | | | | |
| Phragmites australis | Riet | w | | | | 0 | | 0 | 0 | 0 | | 2 | 0 | | | 3 | | |
| Pilularia globulifera | Pilvaren | w | 3 | | | 3 | | | 0 | | | | | | | 3 | | ontwatering en op constant peil houden hebben negatieve invloed |
| Polygonum amphibium | Veenwortel | w | -3 | | | | | | | | | | 0 | * | | 3 | | bij wisselende waterstand, niet in getijdengebied, bij piekafvoeren in beken |
| Polygonum hydropiper | Waterpeper | w | | | | 2 | | | 3 | | | 3 | | | | 3 | | |
| Potamogeton acutifolius | Spits Fonteinkruid | w | | | 3 | 3 | | | | 3 | | | 0 | | | 1 | | pionier |
| Potamogeton alpinus | Rossig Fonteinkruid | w | 0 | -2 | | 2 | | | | | | 0 | 0 | | | 1 | | in gekanaliseerde beken, tolerant voor piekafvoeren |
| Potamogeton berchtoldii | Klein Fonteinkruid | w | 1 | | 3 | 3 | | | | | | | 0 | | | 1 | | op beschutten plekken |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Potamogeton coloratus | Weegbreefonteinkruid | w | | | | 3 | 3 | | 0 | 0 | | | | | | 1 | | kalkrijke kwel |
| Potamogeton compressus | Plat Fonteinkruid | w | | | 3 | 2/-2 | | | | 3 | | | 0 | | | 1 | | in voedselarme wateren toename door eutrofiering |
| Potamogeton crispus | Gekroesd Fonteinkruid | w | | | -2 | 0/-2 | | | 0 | 0 | | | 0 | | | 2 | | toename bij eutrofiering van voedselarme zandstreken, pionier, begunstigd door waterstandswisselingen en schoning |
| Potamogeton densus | Paarbladig Fonteinkruid | w | | | | | | | | | | | | | | | | zie Groenlandia densa |
| Potamogeton gramineus | Ongelijkbladig Fonteinkruid | w | | | | 3 | | 0/2 | | | | | | | | 1 | | in sloten bij regelmatige schoning |
| Potamogeton lucens | Glanzig Fonteinkruid | w | -2 | | | 1 | 2 | | | | | | | | | 2 | | kan tegen sterke golfslag |
| Potamogeton mucronatus | Puntig Fonteinkruid | w | | | | 0 | | | | 0 | | | 0 | | | 1 | | |
| Potamogeton natans | Drijvend Fonteinkruid | w | 2 | | 3 | 2 | | 0 | | 0 | | | 0 | | | 2 | | indiceert stabiel milieu, geen sterke waterbeweging, golfslag |
| Potamogeton nodosus | Rivierfonteinkruid | w | 2 | | | | | | | | | | | | | 1 | | geen grote waterstandswisselingen |
| Potamogeton obtusifolius | Stomp Fonteinkruid | w | | | | 2 | | | | | | 0 | 0 | | | 1 | | |
| Potamogeton pectinatus | Schedefonteinkruid | w | -3 | | -3 | -3 | -3 | | 0 | 0 | | | 0 | | | 2 | | |
| Potamogeton perfoliatus | Doorgroeid Fonteinkruid | w | 0 | | | 1 | | | | 0 | | | 0 | | | 1 | | verdraagt plotselinge waterbeweging |
| Potamogeton polygonifolius | Duizendknoopfonteinkruid | w | | | | 3 | | 3 | 0 | | | 0 | 0 | | | 2 | | |
| Potamogeton praelongus | Langstengelig Fonteinkrui | w | | | | 2 | 3 | | | | | | | | | 1 | | |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Potamogeton pusillus | Tenger Fonteinkruid | w | | | 0 | 2 | | | 0 | 0 | | | 0 | | | 1 | | |
| Potamogeton sp | Fonteinkruid | w | | | | | | | | | | | | | | 3 | | genus geen indicatie |
| Potamogeton sp. | Fonteinkruid | w | | | | | | | | | | | | | | 3 | | genus geen indicatie |
| Potamogeton trichoides | Haarfonteinkruid | w | 3 | -3 | -3 | 1 | | | | 0 | | | 0 | | | 1 | | uitbreiding door intensieve schoning, op beschutte plekken |
| Potentilla anserina | Zilverschoon | t | | | | | | | | | | | | | | | | |
| Potentilla palustris | Wateraardbei | w | | | 3 | 3 | | 0 | | | | | | | | 3 | | kwelindicator |
| Puccinellia distans | Stomp/Bleek Kweldergras | t | | | | | | | | | | | | | | | | |
| Puccinellia maritima | Gewoon Kweldergras | t | | | | | | | | | | | | | | | | |
| Ranunculus aquatilis | Fijne Waterranonkel | w | | | | 1 | | | 0 | | | | 0 | | | 2 | | |
| Ranunculus aquatilis var. aquatilis | Middelste Waterranonkel | w | | | | | | | | 0 | | | | | | 1 | | |
| Ranunculus aquatilis var. diffusus | Kleine Waterranonkel | w | | | 1 | | | | | | | | | | | 1 | | |
| Ranunculus baudotii | Zilte Waterranonkel | w | | | | 0 | | | | 0 | | | | | | 2 | | |
| Ranunculus circinatus | Stijve Waterranonkel | w | | | | 1 | | | | 0 | | | 0 | | | 2 | | |
| Ranunculus flammula | Egelboterbloem | w | | | 3 | 2 | | 0 | 0 | 3 | | | | | | 3 | | |
| Ranunculus fluitans | Vlottende Waterranonkel | w | 3 | | | 1 | 0 | | | | | | 1 | | | 2 | | alleen in stromend water, verdwijnt bij kanalisatie |
| Ranunculus hederaceus | Klimopwaterranonkel | w | | | | 0 | | | 0 | 0 | | | 0 | | | 3 | | |
| Ranunculus lingua | Grote Boterbloem | w | 3 | | | 0 | 2 | | 3 | 3 | | | | | | 3 | | verdwijnt door ontwatering en bij kanalisatie van beekjes |
| Ranunculus ololeucos | Witte Waterranonkel | w | | | | 3 | | 0/2 | | | | | | | | 2 | | |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ranunculus peltatus | Grote Waterranonkel | w | | | | 1 | | | | | | | 0 | | | 2 | | |
| Ranunculus peltatus | Grote Waterranonkel S.L. | w | | | | | | | | | | | | | | 2 | | |
| Ranunculus peltatus var. heterophyllus | Grote Waterranonkel | w | | -3 | | | 1 | | | | | | 0 | | | 1 | | in gekanaliseerde beken |
| Ranunculus sceleratus | Blaartrekkende Boterbloem | w | | | | | | | 0 | 0 | | | | | | 2 | | |
| Ranunculus tripartitus | Driedelige Waterranonkel | w | | | | 2 | | | 0 | | | | | | | 2 | | |
| Rhynchospora alba | Witte Snavelbies | w | | | | 3 | | 0 | 0/3 | | | | | | | 3 | | natte heiden, vennen en hoogvenen |
| Riccia fluitans | Gewoon Watervorkje | m | | | | | | | | | | | | | | | | |
| Ricciocarpos natans | Kroosmos | m | | | | | | | | | | | | | | | | |
| Rorippa microphylla | Slanke Waterkers | w | | | | 0 | | | | 0 | | 0 | 0 | | | 2 | | |
| Rorippa nasturtium-aquaticum | Witte Waterkers | w | | | | 1 | | | | | | 0 | 0 | | | 2 | | |
| Rumex hydrolapathum | Waterzuring | w | | | | 0 | | | | | | | | * | | 3 | | |
| Ruppia cirrhosa | Spiraalruppia | w | 3 | -3 | | 2 | | | | 0 | 3 | | | | | 2 | | geen golfslag in zomer, breidt uit bij schoning |
| Ruppia maritima | Snavelruppia | w | 0 | | | | | | | 0 | 3 | | | | | 2 | | verdraagt iets meer golfslag dan Ruppcir en waterbeweging |
| Ruppia sp | Ruppia | w | | | | | | | | 0 | 3 | | | | | 2 | | |
| Sagina procumbens | Liggende Vetmuur | t | | | | | | | | | | | | | | | | |
| Sagittaria sagittifolia | Pijlkruid | w | | | 2 | 1 | | | | 3 | | | | | | 3 | | ijzerkwel indicator |
| Salicornia europaea | Kortarige Zeekraal | t | | | | | | | | | | | | | | | | |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Salicornia procumbens | Langarige Zeekraal | t | | | | | | | | | | | | | | | | |
| Salvinia natans | Vlotvaren | w | | | | | | | | | | | | | * | ? | | niet inheems |
| Samolus valerandi | Waterpunge | w | | | | 0 | | 2 | | 0 | | | | | | 2 | | |
| Scheuchzeria palustris | Veenbloembies | w | | | | 3 | | -2 | 3 | | | | | | | 3 | | in veen met grondwaterinvloed |
| Scirpus lacustris | Mattenbies S.L. | w | 3 | | | 0 | | | 2 | 2 | | | 0 | | | 3 | | S. lacustris subsp. lacustris |
| Scirpus lacustris subsp. tabernaemontani | Ruwe Bies | w | | | | | | | | -2 | | | | | | 2 | | golfslag door scheepvaart vormt een bedreiging |
| Scirpus maritimus | Heen | w | | | | | | | 0 | -3 | | | | | | 3 | | |
| Scirpus triqueter | Driekantige Bies | w | 3 | | | | | | | | | | | | | 3 | | indicator voor verdwijnen getijdebeweging |
| Scirpus x carinatus | Bastaardbies | w | | | | | | | | | | | | * | | 2 | | in biezencultuur gebruikt |
| Scrophularia auriculata | Geoord Helmkruid | t | | | | | | | | | | | | | | | | op kalk langs beekjes hoog op de oever |
| Senecio paludosus | Moeraskruiskruid | w | 3 | | | 3 | | | 0 | | | | 0 | | | 2 | | gaat achteruit bij kanalisatie, in vennen indicator voor eutrofiering |
| Sium latifolium | Grote Watereppe | w | | | | | | | | 0 | | | 0 | | | 3 | | |
| Sparganium angustifolium | Drijvende Egelskop | w | | | | -2 | | 0 | | | | | | | | 3 | | indicator voor eutrofiering alleen in voedselarme wateren |
| Sparganium emersum | Kleine Egelskop | w | -3 | | | 0/-2 | 2 | 0 | | 0 | | | 0 | | | 3 | | toename bij schoning, in voedselarme wateren indicator voor eutrofiering |
| Sparganium erectum | Grote Egelskop S.L. | w | -3 | | | 0/-2 | -1 | | 0 | 0 | | 0 | 0 | | | 3 | | toename bij schoning of stroming in de winter waarbij oever schoongespoeld wordt, in voedselarme wateren indicator voor eutrofiering |
| Sparganium natans | Kleinste Egelskop | w | | -2 | | 3 | | 0 | 1 | | | | | | | 3 | | in voedselrijkere wateren alleen als |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | periodiek geschoond wordt |
| Spartina anglica | Engels Slijkgras | t | | | | | | | | | | | | | | | | |
| Spergularia marina | Zilte Schijnspurrie | t | | | | | | | | | | | | | | | | |
| Sphagnum balticum | Baltisch Veenmos | m | | | | | | | | | | | | | | | | |
| Sphagnum cuspidatum | Waterveenmos | m | | | | | | | | | | | | | | | | |
| Sphagnum denticulatum | Geoord Veenmos | m | | | | | | | | | | | | | | | | |
| Sphagnum magellanicum | Hoogveen-Veenmos | m | | | | | | | | | | | | | | | | |
| Sphagnum majus | Dof Veenmos | m | | | | | | | | | | | | | | | | |
| Sphagnum papillosum | Wrattig Veenmos | m | | | | | | | | | | | | | | | | |
| Sphagnum pulchrum | Vijfrijig Veenmos | m | | | | | | | | | | | | | | | | |
| Sphagnum recurvum | Slank Veenmos | m | | | | | | | | | | | | | | | | |
| Sphagnum sp | Veenmos | m | | | | | | | | | | | | | | | | |
| Spirodela polyrhiza | Veelwortelig Kroos | w | | | | 0 | 0 | | | 0 | | | 0 | | | 3 | | |
| Stellaria uliginosa | Moerasmuur | t | | | | | | | | | | | | | | | | |
| Stratiotes aloides | Krabbescheer | w | | | 3 | 2 | | 0 | 3 | 0 | | | | | | 3 | | |
| Tolypella glomerata | Klein Boomglanswier | w | | | | 3 | | | | | | | | | | 1 | | |
| Tolypella intricata | Vertakt Boomglanswier | w | | | | 3 | | | | | | | | | | 1 | | |
| Tolypella prolifera | Groot Boomglanswier | w | | | | 3 | | | | | | | | | | 1 | | |
| Triglochin maritima | Schorrenzoutgras | t | | | | | | | | | | | | | | | | |
| Typha angustifolia | Kleine Lisdodde | w | -3 | | | 0 | 2 | 0/1 | | 0 | | | 0 | | | 3 | | kan goed tegen golfslag |
| Typha latifolia | Grote Lisdodde | w | 3 | | | 0/-2 | 0 | 0 | 0 | | | | | | | 3 | | kan niet tegen golfslag, duidt in |

| juiste taxonnaam | juiste Nederlandse naam | type plant | hydrologische verstoring | morfologische verstoring | inlaatwater | eutrofiering | verontreiniging | verzuring | verdroging | verzilting | verzoeting | schaduw | stroming | geen indicatie | onbekend | determineer-baarheid | betrouwbaarheid gegevens | opmerkingen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | hoogveenputten op eutrofiering, niet in open oude armen |
| Utricularia australis | Loos Blaasjeskruid | w | | | | 3 | | 0 | | | | | | | | 2 | | |
| Utricularia minor | Klein Blaasjeskruid | w | | | | 3 | | 0/-3 | 0 | | | | | | | 2 | | |
| Utricularia sp | Blaasjeskruid | w | | | | | | | | | | | | | | 3 | | genus niet indicatief |
| Utricularia vulgaris | Groot Blaasjeskruid | w | | | | 1 | 1 | | | 0 | | | | | | 2 | | |
| Veronica beccabunga | Beekpunge | w | 2 | | | 0 | | 3 | | 3 | | | 0 | | | 3 | | weinig waterstandswisseling |
| Wolffia arrhiza | Wortelloos Kroos | w | | | | 0 | 0 | | | 1 | | | | | | 3 | | |
| Zannichellia palustris | Zannichellia S.L. | w | | | | | | | | | | | | | | 3 | | |
| Zannichellia palustris subsp. palustris | Zittende Zannichellia | w | 0 | | | 0 | | | 1 | 0 | | 0 | 0 | | | 2 | | verdraagt sterke golfslag, pionier |
| Zannichellia palustris subsp. pedicellata | Gesteelde Zannichellia | w | | | | -1 | | | 0 | -1 | | | | | | 2 | | kan tegen hoog en wisselend chloridegehalte |
| Zostera marina | Groot Zeegras | w | | | | -1 | | | 0 | 0 | 3 | | | | | 3 | | |
| Zostera noltii | Klein Zeegras | w | | | | | 3 | | -1 | 0 | 3 | | | | | 3 | | typisch voor getijdengebied, kan tegen sterke wisselingen |

# Bijlage 3 Indicatoren vissen

(verklaring codes: stressoren; 1=neemt af, 2=neemt sterk af, 3=verdwijnt, -1=neemt toe, -2=neemt sterk toe, -3=neemt explosief toe: determineerbaarheid 1=moeilijk, 2=matig, 3=gemakkelijk: betrouwbaarheid 1=slecht, 2=matig, 3=goed).

| **taxonnaam** | **Nederlandse naam** | **hydrologische verstoring** | **morfologische verstoring** | **eutrofiëring/ organische** | **verzuring** | **verdroging/ droogval** | **geen indicatie** | **onbekend** | **determineer-baarheid** | **betrouwbaar-heid gegevens** | **opmerkingen** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alburnus alburnus | Alver | 1 | 2 | 1 | 1 | 3 | | | 3 | 2 | |
| Umbra pygmaea | Amerikaanse Hondsvis | 1 | 2 | 3 | -1 | 3 | | | 3 | 3 | |
| Perca fluviatilis | Baars | | 1 | 1 | | 3 | | | 3 | 3 | |
| Barbus barbus | Barbeel | 2 | 2 | 2 | 1 | 3 | | | 3 | 3 | |
| Salmo trutta fario | Beekforel | 2 | 3 | 3 | 1 | 3 | | | 3 | 3 | trekkende beekforel is waarschijnlijk zeeforel en dan moeilijk val zalm te onderscheiden |
| Lampetra planeri | Beekprik | 3 | 3 | 3 | 1 | 3 | | | 3 | 3 | larven zijn niet te onderscheiden van rivierprik |
| Barbatula barbatulus | Bermpje | 1 | 2 | 2 | 1 | 3 | | | 3 | 3 | |
| Rhodeus sericeus | Bittervoorn | 1 | 1 | 2 | 1 | 3 | | | 3 | 3 | |
| Rutilus rutilus | Blankvoorn | | | -1 | | 3 | | | 2 | 2 | vooral kleintjes lijken op ruisvoorn |
| Platichthys flesus | Bot | 1 | | | 1 | 3 | | | 3 | 3 | |
| Potamoschistus microps | Brakwatergrondel | | | | | | | | | | marien |
| Abramis brama | Brasem | | | -2 | | 3 | | | 2 | 2 | lijkt veel op kolblei |
| Potamoschistus minutus | Dikkopje | | | | | | | | | | marien |
| Gasterosteus aculeatus | Driedoornige Stekelbaars | 2 | 2 | 1 | 1 | 3 | | | 3 | 3 | |
| Liza ramada | Dunlipharder | | | | | | | | | | marien |
| Alosa alosa | Elft | 3 | 3 | 1 | 1 | 3 | | | 1 | 2 | moeilijk van fint te onderscheiden |
| Phoxinus phoxinus | Elrits | 2 | 2 | 2 | 1 | 3 | | | 3 | 3 | |
| Alosa fallax | Fint | 3 | 3 | 1 | 1 | 3 | | | 1 | 2 | moeilijk van elft te onderscheiden |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Alburnoides bipunctatus | Gestippelde Alver | 2 | 3 | 2 | 1 | 3 | | | 3 | 2 | |
| Carassius auratus gibelio | Giebel | | | | 1 | 3 | | | 2 | 2 | Lijkt veel op de kroeskarper |
| Misgurnus fossilis | Grote Modderkruiper | 2 | 1 | -1 | 1 | 3 | | | 3 | 3 | |
| Clupea harengus | Haring | | | | | | | | | | marien |
| Coregonus oxyrinchus | Houting | 3 | 3 | 1 | | 3 | | | 3 | 2 | |
| Cyprinus carpio | Karper | 1 | 1 | -1 | 1 | 3 | | | 3 | 3 | |
| Cobitis taenia | Kleine Modderkruiper | 1 | 2 | -1 | 1 | 3 | | | 3 | 3 | |
| Abramis bjoerkna | Kolblei | | | | 1 | 3 | | | 2 | 2 | lijkt veel op brasem |
| Leuciscus cephalus | Kopvoorn | 2 | 3 | 2 | 1 | 3 | | | 2 | 2 | wordt nogal eens verward met winde |
| Carassius carassius | Kroeskarper | | | | 1 | 3 | | | 2 | 2 | lijkt veel op de giebel |
| Lota lota | Kwabaal | 2 | 2 | 1 | 1 | 3 | | | 3 | 3 | |
| Silurus glanis | Meerval | | 1 | | 1 | 3 | | | 3 | 3 | |
| Anguilla anguilla | Paling | 1 | 1 | | | 3 | | | 3 | 3 | |
| Gymnocephalus cernuus | Pos | | | | | 3 | | | 3 | 3 | |
| Cottus gobio | Rivierdonderpad | 1 | 2 | 2 | 1 | 3 | | | 3 | 3 | kwetsbare beekpopulatie en veel sterkere meerpopulatie |
| Gobio gobio | Riviergrondel | 1 | 1 | 1 | 1 | 3 | | | 3 | 3 | |
| Lampetra fluviatilis | Rivierprik | 1 | 2 | | 1 | 3 | | | 3 | 2 | larven zijn niet te onderscheiden van beekprik |
| Rutilus erythrophthalmus | Ruisvoorn | 1 | | 1 | 1 | 3 | | | 3 | 2 | lijkt op kleine blankvoorn |
| Leuciscus leuciscus | Serpeling | 2 | 2 | 2 | 1 | 3 | | | 2 | 2 | lijkt op kleine blankvoorn |
| Chondrostoma nasus | Sneep | 2 | 2 | 2 | 1 | 3 | | | 2 | 2 | |
| Esox lucius | Snoek | 1 | 1 | 2 | 1 | 3 | | | 3 | 3 | |
| Stizostedion lucioperca | Snoekbaars | | | -1 | | 3 | | | 3 | 3 | |
| Osmerus eperlanus | Spiering | | | | | 3 | | | 3 | 3 | |
| Trisopterus luscus | Steenbolk | | | | | | | | | | marien |
| Acipenser sturio | Steur | 2 | 3 | 1 | 1 | 3 | | | 3 | 3 | |
| Pungitius pungitius | Tiendoornige Stekelbaars | | | | | 3 | | | 3 | 3 | |
| Solea solea | Tong | | | | | | | | | | marien |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Leucaspius delineatus | Vetje | 1 | 1 | 1 | 1 | 3 | | | 1 | 2 | wordt meestal niet herkend als soort |
| Thymallus thymallus | Vlagzalm | 2 | 3 | 2 | 1 | 3 | | | 3 | 3 | alleen uitzettingen: geen natuurlijke voortplanting in Nederland |
| Leuciscus idus | Winde | 1 | 3 | 1 | 1 | 3 | | | 2 | 2 | wordt nogal eens verward met kopvoorn |
| Salmo salar | Zalm | | 2 | 1 | 1 | 3 | | | 1 | 1 | lijkt zeer veel op zeeforel |
| Salmo trutta | Zeeforel | 2 | 2 | 1 | 1 | 3 | | | 1 | 2 | lijkt zeer veel op zalm. Is waarschijnlijk dezelfde als beekforel |
| Tinca tinca | Zeelt | | 1 | | 1 | 3 | | | 3 | 3 | |
| Petromyzon marinus | Zeeprik | 1 | 2 | | | 3 | | | 3 | 3 | geen larven in Nederland |

# Bijlage 4 Macrofauna indicatorsoort of doelsoort in aquatisch supplement typen die onder het respectievelijke KRW type vallen

(voor verklaring codes zie bijlage 7).

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ablabesmyia longistyla | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Ablabesmyia monilis | | | | | | | | 1 | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ablabesmyia phatta | | | | | | | | | 1 | | | | 1 | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acentria ephemerella | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acentria sp | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acilius canaliculatus | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acroloxus lacustris | | | 1 | | | | 1 | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Adicella filicornis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Adicella reducta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 1 | | | | | | | |
| Aedes cantans | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aedes communis | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aedes punctor | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aedes sp | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aeshna affinis | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Aeshna cyanea | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | |
| Aeshna grandis | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Aeshna juncea | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | 1 | | 1 | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Aeshna mixta | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Aeshna viridis | | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Agabus affinis | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Agabus biguttatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Agabus bipustulatus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agabus chalconatus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | |
| Agabus congener | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Agabus conspersus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Agabus didymus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| Agabus guttatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 1 | | 1 | | | | | | | | |
| Agabus labiatus | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agabus melanarius | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Agabus nebulosus | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Agabus neglectus | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agabus paludosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | |
| Agabus striolatus | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Agabus sturmii | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agabus uliginosus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Agabus undulatus | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agabus unguicularis | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agapetus fuscipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | |
| Agapetus ochripes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | |
| Agraylea multipunctata | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agriolimax reticulatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Agrypnia obsoleta | | 1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agrypnia pagetana | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Agrypnia varia | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alderia modesta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Allogamus auricollis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | 1 | |
| Ametropus fragilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Amphichaeta leydigii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Amphichaeta sannio | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Amphinemura standfussi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| Amphinemura sulcicollis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Amphipoda | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Anabolia brevipennis | | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Anabolia nervosa | | | | | | | | 1 | 1 | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Anacaena globulus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | | | | | 1 | | | | | | | | | | |
| Anacaena limbata | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Anacaena lutescens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Anatopynia plumipes | | | | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anax imperator | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ancylus fluviatilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | | 1 | | | |
| Anisus leucostomus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | 1 | 1 | 1 | | 1 | 1 | |
| Anisus spirorbis | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anisus vortex | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anisus vorticulus | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Annitella obscurata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Anodonta anatina | | | | | | 1 | 1 | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | |
| Anodonta cygnea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Anodonta cygnea cygnea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Anopheles maculipennis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Antocha vitripennis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Apatania fimbriata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Aphelocheirus aestivalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | | | | 1 | 1 | | | |
| Aplexa hypnorum | | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | 1 | | |
| Apsectrotanypus trifascipennis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aquarius najas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Aquarius paludulum | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Arctocorisa germari | | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Arenicola marina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Argyroneta aquatica | 1 | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Armiger crista | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | |
| Arrenurus affinis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus albator | | | 1 | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus batillifer | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arrenurus bicuspidator | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus bifidicodulus | | | | | | | | 1 | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus biscissus | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus buccinator | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus claviger | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus compactus | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus crassicaudatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Arrenurus cuspidator | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Arrenurus cuspidifer | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus cylindratus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Arrenurus fimbriatus | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus forpicatus | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus globator | 1 | | 1 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus inexploratus | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus integrator | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus knauthei | | | | | | | | 1 | 1 | | 1 | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus latus | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus leuckarti | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus maculator | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus neumani | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus perforatus | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus pugionifer | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus securiformis | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus sinuator | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus stecki | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus tricuspidator | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus truncatellus | | | 1 | | | 1 | 1 | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Arrenurus virens | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Asellus aquaticus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Assiminea grayana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Astacus astacus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | | | | | 1 | | | |
| Atherix sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Athripsodes albifrons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1 | 1 | | 1 | |
| Athripsodes aterrimus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Athripsodes cinereus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Atractides ovalis | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Atyaephyra desmaresti | | | | | | 1 | | | | 1 | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | 1 | | | |
| Aulodrilus limnobius | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Aulodrilus pigueti | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Aulodrilus pluriseta | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | 1 | | | 1 | 1 | | | | | | | | | 1 | | | |
| Baetis buceratus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | |
| Baetis digitatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | 1 | | 1 | 1 | 1 | | 1 | |
| Baetis fuscatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 1 | 1 | 1 | | 1 | |
| Baetis lutheri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Baetis muticus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | 1 | |
| Baetis niger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Baetis rhodani | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | 1 | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Baetis scambus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | |
| Baetis sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Baetis tracheatus | | | 1 | 1 | | 1 | 1 | | | 1 | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | | | | | 1 | | | |
| Baetis vernus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Balanus improvisus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Bathyomphalus contortus | 1 | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bathyporeia pilosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Batracobdella verrucata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Bdellocephala punctata | | | | | 1 | | | | | | 1 | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Beckidia zabolotskyi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Beraea maura | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | | | 1 | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Beraea pullata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Beraeodes minutus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Beris sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Berosus affinis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Berosus luridus | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Berosus spinosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Bidessus grossepunctatus | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bidessus sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Bidessus unistriatus | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bithynia tentaculata | 1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boccardia ligerica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Boophthora erythrocephala | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | 1 | 1 | | 1 | 1 | 1 | |
| Brachycentrus subnubilus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | 1 | | | | |
| Brachycercus harrisella | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | | | | | 1 | | | |
| Brachypoda versicolor | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brachyptera braueri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Brachyptera risi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Brachytron pratense | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Branchiura sowerbyi | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Brillia flavifrons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | |
| Brillia longifurca | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 |
| Brillia modesta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Brychius elevatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Bryophaenocladius muscicola | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Buchonomyia thienemanni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Caenis horaria | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Caenis lactea | | | | | | | | | | | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Caenis luctuosa | | | | | | 1 | | | | 1 | | | | 1 | | 1 | | | | 1 | | 1 | 1 | | 1 | | 1 | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Caenis macrura | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | 1 | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Caenis pseudorivulorum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | |
| Caenis rivulorum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Caenis robusta | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Caenis sp | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calopteryx splendens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| Calopteryx virgo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Carcinus maenas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Cardiocladius capucinus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | |
| Cardiocladius fuscus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cardiocladius sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cataclysta lemnata | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | |
| Centroptilum luteolum | | | | 1 | | | | | | | | | | 1 | | 1 | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | 1 | 1 | | | | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Centroptilum pennulatum | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 1 | 1 | 1 | | 1 | |
| Ceraclea alboguttata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ceraclea annulicornis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ceraclea dissimilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | 1 | | 1 | |
| Ceraclea fulva | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | | 1 | | | |
| Ceraclea nigronervosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | | | | | 1 | | | |
| Ceraclea riparia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ceraclea senilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Cerastoderma edule | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Cerastoderma glaucum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Cercion lindenii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | 1 | | | 1 | |
| Ceriagrion tenellum | | 1 | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | | | | | | | |
| Chaetocladius gr vitellinus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | 1 | | | | | | | | | |
| Chaetocladius laminatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Chaetocladius melaleucus agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Chaetocladius piger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | 1 | | | | | | | | | |
| Chaetocladius sp | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chaetocladius sp herkenbosch | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | | | 1 | | | | | | | | |
| Chaetogaster langi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Chaetopteryx villosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | 1 | | | | | | 1 | | 1 | 1 | | | 1 | 1 | |
| Chaoborus crystallinus | | | | | | | | | | | 1 | 1 | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Chaoborus flavicans | | | | | 1 | | | | | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Chaoborus obscuripes | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chernovskiia orbicus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cheumatopsyche lepida | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Chimarra marginata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Chironomus (camptochironomus) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Chironomus acutiventris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Chironomus aprilinus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Chironomus balatonicus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Chironomus cingulatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Chironomus gr annularius | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Chironomus gr fluviatilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Chironomus gr halophilus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Chironomus gr plumosus | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chironomus gr reductus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | |
| Chironomus gr thummi | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chironomus nuditarsus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Chironomus nudiventris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Chironomus plumosus | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Chironomus salinarius | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Chironomus sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Chironomus tentans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Chloroperla tripunctata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Choroterpes picteti | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Chrysogaster sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chrysops relictus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cladopelma gr lateralis | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Cladopelma laccophila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cladopelma viridula | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Cladotanytarsus atridorsum | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Cladotanytarsus mancus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | | | | | |
| Cladotanytarsus nigrovittatus | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Cladotanytarsus pallidus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cladotanytarsus sp | | | | | | | | | | | | 1 | | | 1 | 1 | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clinotanypus nervosus | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cloeon dipterum | 1 | | | | | | | 1 | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Cloeon simile | | | | | | | | | | | | | | 1 | | 1 | | | | 1 | | | 1 | | | | | 1 | 1 | | | | | | | | | 1 | | | | | | | | | | | | | |
| Cnetha costata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Cnetha cryophila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | | | 1 | | | | | | | |
| Cnetha latipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 1 | | | | | | | | | |
| Coelambus confluens | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Coelambus parallelogrammus | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Coenagrion hastulatum | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coenagrion lunulatum | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coenagrion puella | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Coenagrion pulchellum | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coenagrion sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Colymbetes fuscus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| Conchapelopia melanops | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Conchapelopia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Conopeum seurati | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Cordulegaster boltonii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | 1 | | | | | | | | |
| Cordulia aenea | | | | | | | | | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cordylophora caspia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Corixa affinis | | | | | | | | | | | 1 | 1 | | | | | | | | | | 1 | 1 | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | |
| Corixa dentipes | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Corixa panzeri | | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Corixa punctata | 1 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Corophium insidiosum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Corophium lacustre | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Corophium multisetosum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Corophium sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Corophium volutator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Corynoneura edwardsi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Corynoneura lobata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Corynoneura scutellata | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | 1 | | 1 | 1 | 1 | |
| Crangon crangon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Crenobia alpina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | 1 | | 1 | | | | 1 | | |
| Cricotopus (isocladius) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cricotopus bicinctus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cricotopus cylindraceus | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Cricotopus gr cylindraceus | | | | | | | | | | | | 1 | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cricotopus gr cylindraceus/festivellus | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cricotopus gr tibialis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Cricotopus holsatus | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Cricotopus intersectus | | | | | 1 | 1 | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | |
| Cricotopus intersectus agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | |
| Cricotopus ornatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Cricotopus sylvestris | | | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cricotopus tremulus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cricotopus triannulatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cricotopus trifascia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cristatella mucedo | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crunoecia irrorata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Cryptochironomus obreptans | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cryptochironomus rostratus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Cryptochironomus sp | | | | | | | | | | | | | | | 1 | 1 | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cryptochironomus supplicans | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Cryptotendipes usmaensis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Culicidae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Culiseta morsitans | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Culiseta sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Cyathura carinata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Cymatia bonsdorffi | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cymatia coleoptrata | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cymbiodyta marginella | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Cyphon sp | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyphon variabilis | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyphonidae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Cyrnus crenaticornis | | | | | | 1 | 1 | 1 | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyrnus flavidus | | | 1 | | | 1 | 1 | 1 | | | | 1 | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyrnus insolutus | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Cyrnus trimaculatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | | 1 | | | |
| Cystobranchus respirans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Decapoda | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Demeijerea rufipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Demicryptochironomus sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | |
| Demicryptochironomus vulneratus | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Dendrocoelum boettgeri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Dendrocoelum lacteum | | | | | 1 | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Dero dorsalis | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Deronectes latus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | 1 | | | | 1 | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Deronectes platynotus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Diadumene cincta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Dicranomyia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Dicranota bimaculata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | 1 | | |
| Dicrotendipes gr lobiger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dicrotendipes gr nervosus | | | | | | | | | | | | | | | | 1 | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dicrotendipes gr notatus | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dicrotendipes gr tritomus | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Dicrotendipes nervosus | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Dicrotendipes tritomus | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dikerogammarus villosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Dinocras cephalotes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Diplocladius cultriger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 | |
| Dixa dilatata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | |
| Dixa gr maculata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Dixa maculata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Dixa nubilipennis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Dixella amphibia | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dolichopodidae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Dolomedes plantarius | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dreissena polymorpha | | | | | | | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | | | | | | | | | |
| Drusus annulatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | 1 | | | | 1 | | |
| Drusus trifidus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Dryops anglicanus | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dryops griseus | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dryops luridus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dryops similaris | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dryops sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Dugesia gonocephala | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 1 | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dugesia lugubris | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Dugesia polychroa | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dugesia tigrina | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dytiscus circumflexus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Dytiscus lapponicus | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dytiscus marginalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Dytiscus semisulcatus | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Dytiscus sp | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ecdyonurus affinis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ecdyonurus aurantiacus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ecdyonurus dispar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ecdyonurus insignis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | 1 | | | |
| Ecdyonurus lateralis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Ecdyonurus torrentis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | |
| Ecdyonurus venosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | 1 | | 1 | |
| Echinogammarus berilloni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Echinogammarus ischnus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ecnomus tenellus | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | |
| Einfeldia dissidens | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Einfeldia gr insolita | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Einfeldia gr pagana | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eiseniella tetraedra | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Electra crustulenta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Elmis aenea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | 1 | | | | 1 | 1 | | | | | | | | |
| Elmis maugetii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Elmis obscura | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Elmis sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Elodes minuta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Elodes sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Enallagma cyathigerum | | | | | | | | | | | | | 1 | | | 1 | | 1 | | 1 | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | | | | | | | |
| Enchytraeidae | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Endochironomus albipennis | | | 1 | | | | 1 | | | | | | | | | 1 | | | 1 | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endochironomus gr dispar | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Endochironomus tendens | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Enochrus affinis | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enochrus bicolor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Enochrus coarctatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | |
| Enochrus halophilus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Enochrus isotae | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enochrus melanocephalus | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enochrus ochropterus | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enochrus testaceus | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enoicyla pusilla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Ephemera danica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Ephemera glaucops | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ephemera lineata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ephemera sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ephemera vulgata | | | 1 | 1 | | | | | | | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | | | | | | | | 1 | 1 | 1 | | | 1 | | 1 | | | | 1 | | | |
| Ephemerella ignita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | 1 | | | 1 | |
| Ephemerella sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ephoron virgo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ephydatia fluviatilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Ephydridae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Epoicocladius ephemerae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Epoicocladius flavens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Eriopterinae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Ernodes articularis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | 1 | | |
| Ernodes sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Erotesis baltica | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Erpobdella nigricollis | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Erpobdella octoculata | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Erpobdella testacea | | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erythromma najas | | | | | | | | | | | | | | 1 | | 1 | | | | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Esolus angustatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | |
| Esolus parallelepipedus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Esolus pygmaeus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Esolus sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Eteone longa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Eukiefferiella brevicalcar | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | |
| Eukiefferiella calvescens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Eukiefferiella claripennis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | 1 | | | | | | | 1 | | | |
| Eukiefferiella claripennis agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | 1 | |
| Eukiefferiella discoloripes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | 1 | | | |
| Eukiefferiella discoloripes agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eukiefferiella gr discoloripes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Eukiefferiella ilkleyensis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Eukiefferiella verralli | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Euleuctra geniculata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1 | 1 | | 1 | |
| Eusimulium angustipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Eusimulium aureum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Eusimulium sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Eylais extendens | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eylais koenikei | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Eylais setosa | | | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eylais sp | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eylais tantilla | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Feltria armata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ferrissia wautieri | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Forelia brevipes | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forelia curvipalpis | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forelia liliacea | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Forelia variegator | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Galba truncatula | | | | | | | | | | | 1 | 1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Gammarus crinicornis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Gammarus duebeni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Gammarus fossarum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | 1 | 1 | | | | | | | | |
| Gammarus locusta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Gammarus pulex | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | | | | | 1 | 1 | 1 | | | | | 1 | | | | | | | | | |
| Gammarus roeselii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Gammarus salinus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Gammarus tigrinus | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Gammarus zaddachi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Gerris argentatus | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | | | | | | | |
| Gerris gibbifer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | |
| Gerris lacustris | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gerris odontogaster | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gerris thoracicus | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Glaenocorisa propinqua | | | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glossiphonia complanata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Glossiphonia heteroclita | | | | | 1 | | | 1 | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glossosoma conformis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | |
| Glyphotaelius pellucidus | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| Glyptotendipes barbipes | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Glyptotendipes caulicola | | | | | | | | 1 | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Glyptotendipes gr barbipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Glyptotendipes gr pallens | | | 1 | | | 1 | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Glyptotendipes gr signatus | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | |
| Glyptotendipes pallens | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Glyptotendipes paripes | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Glyptotendipes sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Goera pilosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| Gomphus flavipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | 1 | 1 | | | |
| Gomphus pulchellus | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gomphus vulgatissimus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | 1 | 1 | 1 | | 1 | |
| Gonothyraea loveni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Gordius setiger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Grammotaulius nigropunctatus | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Grammotaulius nitidus | 1 | | | | 1 | | | | | | 1 | 1 | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Grammotaulius submaculatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | 1 | | | | | | | | |
| Graphoderus bilineatus | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Graphoderus zonatus | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Graptodytes bilineatus | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Graptodytes pictus | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guttipelopia guttipennis | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gyraulus albus | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gyraulus riparius | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gyrinus caspius | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Gyrinus marinus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | |
| Gyrinus minutus | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Gyrinus paykulli | | | | | | | | | | | | 1 | 1 | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gyrinus sp | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gyrinus suffriani | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Habroleptoides modesta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Habrophlebia fusca | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Habrophlebia lauta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Haementeria costata | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haemonais waldvogeli | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haemopis sanguisuga | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Hagenella clathrata | | | | | 1 | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Halesus digitatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Halesus radiatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Halesus radiatus/digitatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | 1 | | | |
| Halesus tessellatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Haliplus apicalis | 1 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Haliplus flavicollis | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus fluviatilis | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus fulvicollis | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus furcatus | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus heydeni | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus immaculatus | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus laminatus | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus lineatocollis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Haliplus lineolatus | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus mucronatus | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus obliquus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus ruficollis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Haliplus sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Haliplus variegatus | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus varius | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haliplus wehnkei | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Halocladius varians | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Haplotaxis gordioides | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | 1 | | 1 | |
| Harnischia curtilamellata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Harnischia sp | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | 1 | | 1 | 1 | 1 | | 1 | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hebrus pusillus | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hebrus ruficeps | | | | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heleniella ornaticollis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Heleobia stagnorum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Helius sp | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Helobdella stagnalis | | | 1 | | | | 1 | 1 | | | | | | | | 1 | | | | | 1 | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Helochares lividus | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Helochares obscurus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Helophorus aquaticus | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Helophorus arvernicus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | 1 | 1 | | | | | | 1 | | | |
| Helophorus asperatus | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Helophorus brevipalpis | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Helophorus croaticus | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Helophorus flavipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Helophorus granularis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | |
| Helophorus minutus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Helophorus nanus | | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Helophorus pumilio | | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Helophorus strigifrons | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Helophorus tuberculatus | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hemerodromia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Hemiclepsis marginata | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Heptagenia coerulans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Heptagenia flava | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | 1 | | | | | | | |
| Heptagenia fuscogrisea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | 1 | | | | | | | |
| Heptagenia longicauda | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | 1 | | | |
| Heptagenia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Heptagenia sulphurea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | 1 | | 1 | 1 | 1 | | 1 | |
| Hesperocorixa castanea | | | | | 1 | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hesperocorixa linnei | 1 | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hesperocorixa moesta | | | | | | | | | | | | 1 | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hesperocorixa sahlbergi | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Heteromastus filiformis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Heterotanytarsus apicalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | 1 | | | | | | | | |
| Heterotrissocladius marcidus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | 1 | | | 1 | 1 | | | | | 1 | | | |
| Hippeutis complanatus | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Holocentropus dubius | | | | | 1 | | | 1 | 1 | | 1 | 1 | 1 | | | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | 1 | | | | | | | | 1 | | | | | | | |
| Holocentropus insignis | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Holocentropus picicornis | | | | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Holocentropus stagnalis | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Homochaeta naidina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Hydatophylax infumatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | 1 | |
| Hydra circumcincta | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydra oligactis | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrachna conjecta | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrachna cruenta | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrachna leegei | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hydrachna skorikowi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Hydraena assimilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Hydraena belgica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Hydraena britteni | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Hydraena excisa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | |
| Hydraena gracilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Hydraena melas | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | 1 | | |
| Hydraena minutissima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Hydraena palustris | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydraena pulchella | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | 1 | | | | 1 | |
| Hydraena riparia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hydraena testacea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Hydrellia sp | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrobaenus pilipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | |
| Hydrobia ulvae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Hydrobius fuscipes | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hydrochara caraboides | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrochus angustatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Hydrochus ignicollis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Hydrochus megaphallus | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrocyphon sp | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrodroma despiciens | | | | | | 1 | 1 | | | | | | | 1 | | | | | | 1 | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hydroglyphus pusillus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hydrophilus piceus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus angustatus | | 1 | | 1 | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | | | | | | | |
| Hydroporus discretus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | | | | | |
| Hydroporus dorsalis/erythrocephalis | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus erythrocephalus | | 1 | | 1 | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus glabriusculus | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus gyllenhalii | | | | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus incognitus | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus longulus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | | | 1 | | | | | | | | |
| Hydroporus melanarius | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | |
| Hydroporus memnonius | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| Hydroporus neglectus | | | | | 1 | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus nigrita | | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | 1 | 1 | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Hydroporus notatus | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus obscurus | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | |
| Hydroporus palustris | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus planus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hydroporus pubescens | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus scalesianus | | 1 | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus striola | | | | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus tessellatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus tristis | | | | | | | | | 1 | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroporus umbrosus | | 1 | | 1 | | | | | 1 | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Hydropsyche angustipennis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Hydropsyche bulgaromanorum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Hydropsyche contubernalis | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | 1 | 1 | 1 | | 1 | |
| Hydropsyche dinarica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Hydropsyche exocellata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | 1 | | 1 | | 1 | |
| Hydropsyche fulvipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Hydropsyche instabilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | |
| Hydropsyche modesta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Hydropsyche ornatula | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Hydropsyche pellucidula | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | |
| Hydropsyche saxonica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | 1 | | | | | | | 1 | | | |
| Hydropsyche siltalai | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | | | | 1 | |
| Hydroptila cornuta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | 1 | | | | | | | |
| Hydroptila dampfi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Hydroptila pulchricornis | | | | | | | | | | | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | |
| Hydroptila sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydroptila sparsa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | |
| Hydroptila tineoides | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Hygrobates fluviatilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | |
| Hygrobates longipalpis | | | | 1 | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hygrobates longiporus | | | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hygrobates nigromaculatus | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Hygrobates trigonicus | | | | | | | | | | | | | | 1 | | 1 | | | | 1 | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hygrobia hermanni | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hygrotus decoratus | | | | | | | | 1 | | | | | 1 | | | | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | |
| Hygrotus inaequalis | 1 | | | | | | | 1 | | | | 1 | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hygrotus sp | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hyphydrus ovatus | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Idotea chelipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Ilybius aenescens | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ilybius aenescens larve | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ilybius fenestratus | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ilyocoris cimicoides | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ilyodrilus templetoni | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ironoquia dubia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Ischnura elegans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ischnura pumilio | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Isogenus nubecula | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Isonychia ignota | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Isoperla grammatica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | | 1 | | | | | 1 | 1 | 1 | | 1 | |
| Isoperla obscura | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Isoptena serricornis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Ithytrichia lamellaris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | 1 | 1 | | | 1 | |
| Jaera albifrons | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Jaera ischiosetosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Jaera sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Kiefferulus tendipediformis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Kloosia pusilla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | |
| Krenopelopia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Laccobius atratus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | | | 1 | | | | | | | | |
| Laccobius biguttatus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Laccobius bipunctatus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Laccobius obscuratus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Laccobius sinuatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | 1 | | | | 1 | | |
| Laccobius striatulus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Laccophilus hyalinus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Laccophilus minutus | 1 | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Laccornis oblongus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lasiocephala basalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Lauterborniella agrayloides | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Lebertia bracteata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | 1 | | | | | | | | | | |
| Lebertia inaequalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lebertia insignis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | 1 | | | | | | | | | | |
| Lebertia minutipalpis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | 1 | | | | | | | | | | |
| Lebertia porosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Lepidostoma hirtum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1 | 1 | | 1 | |
| Leptocerus interruptus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | 1 | | | | | | | |
| Leptocerus tineiformis | | 1 | | | | | | 1 | 1 | | 1 | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Leptocheirus pilosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Leptophlebia marginata | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | | 1 | 1 | | | | 1 | | | |
| Leptophlebia vespertina | | 1 | | | | | | 1 | 1 | | 1 | | 1 | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Lestes dryas | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leucorrhinia dubia | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leucorrhinia pectoralis | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leucorrhinia rubicunda | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Leuctra fusca | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Leuctra nigra | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| Libellula depressa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | |
| Libellula quadrimaculata | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limapontia depressa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Limnebius truncatellus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Limnephilus affinis | | | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Limnephilus auricula | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | |
| Limnephilus binotatus | | 1 | | | | | | 1 | 1 | | 1 | 1 | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Limnephilus bipunctatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 | | | | 1 | | |
| Limnephilus centralis | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | | | | | |
| Limnephilus coenosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Limnephilus decipiens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | 1 | | 1 | | |
| Limnephilus elegans | | 1 | | 1 | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | 1 | | | | | | | |
| Limnephilus extricatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | 1 | | | | | | | | | | |
| Limnephilus flavicornis | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limnephilus fuscicornis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | | | | | | | |
| Limnephilus griseus | | 1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | |
| Limnephilus ignavus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Limnephilus incisus | | | | | 1 | | | | | | 1 | 1 | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limnephilus lunatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Limnephilus luridus | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | 1 | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Limnephilus marmoratus | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Limnephilus nigriceps | | 1 | | 1 | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | 1 | | | | | | | | | 1 | 1 | 1 | | | | | | 1 | 1 | | | | | | | | |
| Limnephilus rhombicus | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Limnephilus sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limnephilus sparsus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | 1 | | | | | | | | |
| Limnephilus stigma | | 1 | | | | | | 1 | | | 1 | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 1 | | | | | 1 | | 1 | | | | | | | | | |
| Limnephilus subcentralis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 1 | | | | | | | | | |
| Limnephilus vittatus | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Limnesia connata | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limnesia fulgida | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limnesia maculata | | | 1 | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limnesia polonica | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limnesia sp | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Limnesia undulata | 1 | | 1 | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Limnius opacus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Limnius perrisi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Limnius volckmari | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | 1 | | 1 | 1 | | | | 1 | | 1 | | 1 | |
| Limnochares aquatica | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | |
| Limnodrilus claparedeianus | | | | | | | | | | | | | | 1 | | 1 | 1 | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | 1 | | | | | | | | | | | | |
| Limnodrilus hoffmeisteri | | | | | | | | 1 | | | | | | | | 1 | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limnodrilus sp | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limnodrilus udekemianus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Limnophila sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Limnophora riparia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Limnophyes sp | | | | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Limoniidae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Lipiniella arenicola | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | |
| Lipiniella moderata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Lithax obscurus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | |
| Lithoglyphus naticoides | | | | | | 1 | | | | 1 | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Littorina littorea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Littorina saxatilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Lumbricillus lineatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Lumbriculus variegatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Lymnaea stagnalis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lype phaeopa | | | | | | | | | | | | | | 1 | | 1 | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | 1 | | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | | | | | |
| Lype reducta | | | | 1 | | 1 | 1 | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Macoma balthica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Macronychus quadrituberculatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Macropelopia adaucta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Macropelopia nebulosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | 1 | 1 | 1 | | 1 | 1 | |
| Macropelopia notata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Macropelopia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| Macroplea sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Manayunkia aestuarina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Mansonia richiardii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | |
| Marstoniopsis scholtzi | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marthamea selysii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | 1 | | 1 | |
| Melampophylax mucoreus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | 1 | | |
| Melita palmata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Mercuria confusa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 |
| Mesovelia furcata | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Metreletus balcanicus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | |
| Metriocnemus hirticollis | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | 1 | | | |
| Metriocnemus hygropetricus agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Metriocnemus inopinatus agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | | |
| Micrasemodes minimus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Microchironomus deribae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Microchironomus tener | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Microchrysa polita | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Micronecta meriodionalis | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Micronecta poweri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Micronecta scholtzi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | |
| Micropsectra atrofasciata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | | 1 | | | | | | | 1 | | | |
| Micropsectra bidentata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | 1 | | | | | | | | |
| Micropsectra lindrothi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Micropsectra notescens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Micropsectra roseiventris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Micropsectra sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Micropterna lateralis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | 1 | | | 1 | | | | | | |
| Micropterna sequax | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Microtendipes chloris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Microtendipes gr chloris | | | | | 1 | | | | | | 1 | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Microtendipes pedellus agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Microvelia reticulata | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Microvelia umbricola nymphe | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Midea orbiculata | | | | | | | | 1 | | | 1 | | | | | | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Mideopsis orbicularis | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Molanna albicans | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Molanna angustata | | | | 1 | | | | | | | | | | 1 | | 1 | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Monopelopia tenuicalcar | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mya arenaria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Mystacides azurea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | 1 | 1 | | | 1 | 1 | |
| Mystacides longicornis | | | 1 | 1 | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mystacides nigra | | | | | | | | | | | | | | 1 | | | 1 | | | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Mystacides sp | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mytilopsis leucophaeta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Mytilus edulis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Myxas glutinosa | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Nais alpina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Nais barbata | | | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | 1 | | | |
| Nais bretscheri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Nais elinguis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Nais pardalis | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nais variabilis | | | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nanocladius bicolor | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Nanocladius rectinervis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Nanocladius rectinervis agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | |
| Nanocladius sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Natarsia punctata | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Natarsia sp | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Nebrioporus depressus elegans | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Nematocera | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Nemoura avicularis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | | | 1 | | | |
| Nemoura cambrica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Nemoura cinerea | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| Nemoura dubitans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | 1 | | 1 | | 1 | | | | 1 | | |
| Nemoura marginata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | 1 | | 1 | | | | 1 | | |
| Nemoura sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | |
| Nemurella pictetii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | |
| Neomysis integer | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Neozavrelia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Nepa cinerea | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nereis diversicolor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Nereis sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Nereis succinea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Neumania imitata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Neumania spinipes | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Neureclepsis bimaculata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | 1 | | | | 1 | | | |
| Niphargus aquilex | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Niphargus schellenbergi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Notidobia ciliaris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | | 1 | | | |
| Notonecta glauca | | | | | | | | 1 | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Notonecta lutea | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Notonecta obliqua | | | | | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | 1 | | | | | | | | |
| Notonecta viridis | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Nymphula stagnata | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ochthebius auriculatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Ochthebius bicolon | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ochthebius exsculptus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Ochthebius gibbosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Ochthebius marinus | | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Ochthebius metallescens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Ochthebius minimus | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Ochthebius viridis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Odagmia ornata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Odontocerum albicorne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Odontomesa fulva | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Odontomyia sp | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oecetis furva | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oecetis lacustris | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oecetis notata | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Oecetis ochracea | | | | | 1 | | | | | | | | 1 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | |
| Oecetis tripunctata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Oemopteryx loewii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Oligoneuriella rhenana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Oligoneuriella sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Oligoplectrum maculatum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1 | 1 | | 1 | |
| Oligostomis reticulata | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | 1 | | | | | | | 1 | | | | | | | | |
| Oligotrichia striata | | | | 1 | | | | | 1 | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Omphiscola glabra | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Onychogomphus forcipatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Ophiogomphus cecilia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1 | 1 | | 1 | |
| Oplodontha viridula | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orchestia cavimana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| Orchestia gammarella | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Orectochilus villosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | | 1 | 1 | | | 1 | |
| Oreodytes sanmarki | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | 1 | | | | 1 | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Orthetrum cancellatum | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | 1 | |
| Orthetrum coerulescens | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Orthocladius consobrinus | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Orthocladius fuscimanus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Orthocladius oblidens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | 1 | 1 | 1 | | 1 | |
| Orthocladius rivulorum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | 1 | | | |
| Orthocladius rubicundus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | 1 | | 1 | |
| Orthocladius thienemanni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Orthotrichia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Osmylus fulvicephalus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Oulimnius major | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Oulimnius rivularis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | | 1 | | | |
| Oulimnius sp | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | 1 | | | |
| Oulimnius troglodytes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Oulimnius tuberculatus | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Oxus nodigerus | | | | | | | | | | | | | 1 | | | 1 | | | | | 1 | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oxycera pardalina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Oxycera rara | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Oxycera sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Oxyethira falcata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Oxyethira flavicornis | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Oxyethira sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | 1 | | |
| Pachygaster leachii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Pagastiella orophila | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Palaemon adspersus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Palaemon elegans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Palaemon longirostris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Palaemonetes varians | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Pales sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Palingenia longicauda | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Palpomyia sp | | | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Panisopsis vigilans | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Panisus torrenticolus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Parachiona picicornis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | 1 | | |
| Parachironomus arcuatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Parachironomus frequens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Parachironomus gr arcuatus | | | | | | | | | | | | 1 | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parachironomus gr longiforceps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Parachironomus gr vitiosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Parachironomus sp kampen | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Paracladius conversus agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Paracladopelma camptolabis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | | | | | | |
| Paracladopelma laminata agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Paracladopelma nigritula | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Paracorixa concinna | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| Paracymus aeneus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Paracymus scutellaris | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parakiefferiella bathophila | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | | |
| Paraleptophlebia cincta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | 1 | |
| Paraleptophlebia submarginata | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Paralimnophyes hydrophilus | | 1 | | 1 | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paramerina cingulata | | | | | | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | 1 | | | |
| Parametriocnemus stylatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Paranais frici | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Paranais litoralis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Parapoynx stratiotata | | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Paratanytarsus confusus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Paratanytarsus sp | | | | | | | | | | | | 1 | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Paratanytarsus tenellulus | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Paratanytarsus tenuis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Paratendipes albimanus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Paratendipes gr albimanus | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Paratendipes gr nudisquama | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Paratendipes intermedius | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Paratendipes nudisquama | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Paratendipes sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Paratrichocladius rufiventris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Paroecetis struckii | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pedicia rivosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | |
| Pedicia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Peloscolex ferox | | | | | | | | 1 | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Peloscolex sp | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peloscolex velutinus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Peltodytes caesus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perforatella rubiginosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 |
| Pericoma sp | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | | | | | | | 1 | | | | | | | |
| Perla burmeisteriana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Perlodes microcephala | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1 | 1 | | 1 | |
| Phaenopsectra sp | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Phagocata vitta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Phalacrocera replicata | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phryganea bipunctata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Phryganea grandis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | |
| Physa acuta | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Physa fontinalis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | |
| Piona alpicola | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Piona carnea | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Piona clavicornis | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piona coccinea | 1 | | 1 | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piona conglobata | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piona longipalpis | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Piona neumani | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Piona nodata | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piona paucipora | | | | | | | | | | | 1 | | | | | 1 | 1 | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Piona pusilla | | | | 1 | | 1 | 1 | | | 1 | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piona rotundoides | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Piona stjoerdalensis | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Piona variabilis | 1 | | 1 | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Piscicola geometra | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pisidium amnicum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Pisidium casertanum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Pisidium henslowanum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Pisidium hibernicum | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pisidium milium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Pisidium moitessierianum | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Pisidium nitidum | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Pisidium obtusale obtusale | | | | | | | | | | | | 1 | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pisidium pseudosphaerium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Pisidium pulchellum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Pisidium sp | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Pisidium subtruncatum | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Pisidium supinum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | 1 | 1 | | | |
| Planaria torva | | | 1 | | | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | | | | | | 1 | 1 | 1 | | | | | | | | 1 | | | 1 |
| Planorbarius corneus | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Planorbis carinatus | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Planorbis planorbis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Platambus maculatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| Platycnemis pennipes | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | | 1 | 1 | | | 1 | |
| Plea minutissima | | | | | | | | | 1 | | | | | | | | | | 1 | | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Plectrocnemia conspersa | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | 1 | | | | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | |
| Plumatella repens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Polycelis felina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | 1 | | 1 | | | | 1 | |
| Polycelis nigra | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polycelis tenuis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Polycentropus flavomaculatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | 1 | |
| Polycentropus irroratus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Polychaeta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Polydora ligni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Polypedilum bicrenatum | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Polypedilum breviantennatum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | 1 | | | |
| Polypedilum gr bicrenatum | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Polypedilum gr nubeculosum | | | | | 1 | | | | | | | 1 | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polypedilum gr sordens | | | | | | | | | | | | | | | | 1 | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polypedilum laetum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Polypedilum laetum agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Polypedilum nubeculosum | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Polypedilum pedestre | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | | 1 | | | | | | | 1 | | | |
| Polypedilum scalaenum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Polypedilum sordens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Polypedilum uncinatum | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | 1 | | 1 | | | 1 | | 1 | | | | | | | 1 | | | |
| Porhydrus lineatus | | | | | | | | 1 | | | 1 | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Potamanthus luteus | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 1 | | | |
| Potamophilus acuminatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Potamophylax cingulatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | |
| Potamophylax latipennis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Potamophylax luctuosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | |
| Potamophylax nigricornis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| Potamophylax rotundipennis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Potamopyrgus antipodarum | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | 1 | 1 | 1 | | | 1 | | | 1 | | 1 | | | | | | | | | | 1 |
| Potamothrix bavaricus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | |
| Potamothrix bedoti | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamothrix hammoniensis | | | | | | | | | | | | | | 1 | | 1 | 1 | | | 1 | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Potamothrix moldaviensis | | | 1 | | 1 | 1 | 1 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | 1 | | | |
| Potamothrix vejdovskyi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Potthastia gaedii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Potthastia longimana | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | 1 | | 1 | | | | | 1 | | | 1 | 1 | 1 | | 1 | 1 | |
| Praunus flexuosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Prionocera turcica | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pristina sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Proasellus cavaticus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Proasellus meridianus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | |
| Procladius sp | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Procloeon bifidum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | |
| Prodiamesa olivacea | | | | | | 1 | 1 | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | | | | | | | |
| Propappus volkii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | |
| Protonemura meyeri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Protonemura nitida | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Protzia eximia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Protzia invalvaris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Psammoryctides albicola | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Psammoryctides barbatus | | | | | | 1 | 1 | | | | | | | | | 1 | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Psectrocladius gr dilatatus | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Psectrocladius gr psilopterus | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Psectrocladius gr sordidellus/limbatellus | | | | | | | | | | | | 1 | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Psectrocladius obvius | | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Psectrocladius obvius agg | | | | | | | | | | | | 1 | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Psectrocladius platypus | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | |
| Psectrocladius psilopterus | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | |
| Psectrocladius sordidellus | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Psectrotanypus varius | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Pseudanodonta complanata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | 1 | | | |
| Pseudochironomus prasinatus | | | | | | | | | | | | 1 | | 1 | | | | 1 | | 1 | | | | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Pseudorthocladius curtistylus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Pseudorthocladius curtistylus agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Pseudosmittia arenaria | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Pseudosmittia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Pseudosmittia virgo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Psychoda sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| Psychomyia pusilla | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | 1 | 1 | | 1 | |
| Ptilocolepus granulatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | 1 | | | | | | | | |
| Ptychoptera sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Pygospio elegans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Pyrrhosoma nymphula | | | | 1 | | | | | | | | | 1 | | | 1 | | 1 | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Quistodrilus multisetosus | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Radix peregra | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 |
| Raptobaetopus tenellus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Rhadicoleptus alpestris | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Rhantus frontalis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Rhantus suturalis | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Rhantus suturellus | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rheocricotopus atripes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | |
| Rheocricotopus chalybeatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Rheocricotopus fuscipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | | 1 | 1 | | | | | | 1 | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rheocricotopus gr fuscipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Rheocricotopus sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Rheopelopia ornata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Rheotanytarsus photophilus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | 1 | | | |
| Rheotanytarsus rhenanus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Rheotanytarsus sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Rhithrogena diaphana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Rhithrogena iridina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Rhithrogena semicolorata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Rhithrogena sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Rhithropanopeus harrisii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Rhyacodrilus coccineus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | | 1 | 1 | | | | | | 1 | | | |
| Rhyacophila fasciata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Rhyacophila nubila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Rhyacophila vulgaris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Riolus cupreus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | |
| Riolus sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Riolus subviolaceus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | 1 | 1 | | | 1 | |
| Ripistes parasita | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Robackia demeyerei | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Roederiodes juncta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | |
| Satchelliella nubila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Scarodytes halensis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | 1 | | | | 1 | |
| Sciomyzidae | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scirtes sp | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Segmentina nitida | | | 1 | | 1 | 1 | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sericostoma flavicorne | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | 1 | | |
| Sericostoma personatum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | 1 | | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| Sericostoma sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Setodes argentipunctellus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |
| Setodes punctatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Setodes viridis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Sialis fuliginosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 1 | | 1 | | | | | | | | |
| Sialis lutaria | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sigara distincta | | | | | | | | | | | 1 | 1 | | | | | | | | | | 1 | 1 | | 1 | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Sigara fossarum | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | 1 | | | | | | | | |
| Sigara hellensi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | 1 | | | | | | | | |
| Sigara lateralis | 1 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| Sigara limitata | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Sigara nigrolineata | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Sigara scotti | | | | | | | | | 1 | | | 1 | 1 | | | | | 1 | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sigara selecta | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Sigara semistriata | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sigara stagnalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Sigara striata | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Silo nigricornis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | 1 | 1 | | | | | | | | |
| Silo pallipes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | 1 | |
| Silo piceus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | |
| Silo sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | | |
| Simulium argyreatum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Simulium morsitans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | |
| Simulium sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Simulium vernum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Siphlonurus aestivalis | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | 1 | | | | | | | 1 | | | |
| Siphlonurus alternatus | | | | | | | | | | | | | | | | 1 | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Siphlonurus armatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | | | | | |
| Siphlonurus lacustris | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | 1 | | | |
| Siphonoperla burmeisteri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Siphonoperla torrentium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Sisyra fuscata | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Somatochlora arctica | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Somatochlora metallica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | |
| Specaria josinae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Spercheus emarginatus | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sperchon clupeifer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Sperchon glandulosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Sperchon setiger | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Sperchon squamosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Sperchonopsis verrucosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Sphaerium corneum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Sphaerium rivicola | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | | | | 1 | | | |
| Sphaerium solidum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | |
| Sphaeroma hookeri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Sphaeroma rugicauda | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Spongillidae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Stagnicola palustris | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | 1 |
| Stempellina sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | | 1 | | | |
| Stempellinella brevis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | 1 | | |
| Stempellinella minor | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | 1 | | | | | | | 1 | | | | | | | | |
| Stenochironomus sp | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stenophylax permistus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | 1 | | | | | | | | |
| Stenophylax sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | |
| Stictochironomus sp | | | | | | | | | | | | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | 1 | | 1 | 1 | 1 | | | | | | 1 | | | | 1 | 1 | | | | | | | | 1 | | | |
| Stictotarsus duodecimpustulatus | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | |
| Streblospio shrubsolii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Stylaria lacustris | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Stylodrilus heringianus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | 1 | | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Succineidae | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Suphrodytes dorsalis | | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sympetrum danae | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sympetrum depressiusculum | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sympetrum flaveolum | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sympetrum sanguineum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Symposiocladius lignicola | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Synorthocladius semivirens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Taeniopteryx nebulosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1 | 1 | | 1 | |
| Tanypus kraatzi | 1 | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanypus punctipennis | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Tanytarsus bathophilus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Tanytarsus ejuncidus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Tanytarsus gr brundini | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Tanytarsus gr usmaensis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Tanytarsus lestagei | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Tanytarsus mendax | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Tanytarsus pallidicornis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Tanytarsus sp | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tanytarsus striatulus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Telmatogeton sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Telmatopelopia nemorum | | | | 1 | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Telmatoscopus sp | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Thalassosmittia thalassophila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Thaumalea testacea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Thaumaleidae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Theodoxus fluviatilis | | | | | | | | | | | | | | 1 | | 1 | 1 | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | 1 | 1 | | | | | | | | | 1 | | | |
| Theromyzon tessulatum | | | | | 1 | | | | 1 | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Thienemanniella flaviforceps | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thienemanniella flaviforceps agg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thienemanniella sp | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Tinodes assimilis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | 1 | | | | 1 | | |
| Tinodes pallidulus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | 1 | 1 | | | 1 | 1 | |
| Tinodes unicolor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | 1 | | | | 1 | | |
| Tinodes waeneri | | | | | | 1 | 1 | | | 1 | | | | 1 | | 1 | | | | 1 | | | | | 1 | | 1 | 1 | | | | | 1 | 1 | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Tiphys ornatus | | | | | | 1 | 1 | 1 | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Tipulidae | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Torrenticola amplexa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | |
| Triaenodes bicolor | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Triaenodes reuteri | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| Triaenodes simulans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | 1 | | | | | | | | |
| Tribelos intextus | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tricholeiochiton fagesi | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trichostegia minor | | 1 | | | 1 | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | | | | | | |
| Trissocladius brevipalpis | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Trissocladius sp | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Trissopelopia longimana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | 1 | | | | | | | | |
| Trocheta bykowskii | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | | | | 1 |
| Tubifex costatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | 1 |
| Tubifex ignotus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | |
| Tubifex newaensis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Tubifex tubifex | | | | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tubificoides benedeni | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Tubificoides pseudogaster | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | |
| Uncinais uncinata | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unio crassus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | |
| Unio crassus nanus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | 1 | | | |
| Unio pictorum | | | | | | 1 | 1 | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M10 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Unio tumidus | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | | | | 1 | | | |
| Unionicola aculeata | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unionicola gracilipalpis | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Unionicola intermedia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Unionicola parvipora | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Valvata cristata | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valvata piscinalis | 1 | | | | 1 | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valvata pulchella | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Vejdovskiella comata | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vejdovskiella intermedia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | 1 | | | |
| Velia caprai | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | | | | | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | | | | | | | | |
| Velia saulii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | 1 | | | | 1 | |
| Ventrosia ventrosa | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Victorella pavida | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Viviparus contectus | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Viviparus viviparus | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wettina podagrica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Wormaldia occipitalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Wormaldia subnigra | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Xanthoperla apicalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | |
| Xenochironomus xenolabis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | 1 | | 1 | |
| Xenopelopia nigricans | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Xenopelopia sp | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zalutschia humphresiae | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zavreliella marmorata | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zavrelimyia nubila | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| Zavrelimyia sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | 1 | | | | | | | | |
| Zschokkea oblonga | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |

## Bijlage 5 A Macrofyten indicatorsoort of doelsoort in aquatisch supplement typen die onder het respectievelijke KRW type vallen

***(voor verklaring codes zie bijlage 7)***

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Agrostis stolonifera | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Alisma gramineum | | | | | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alisma lanceolatum | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Alisma plantago-aquatica | | | | | | | | 1 | | | | | | 1 | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alopecurus aequalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apium inundatum | | 1 | | | | | | | | | 1 | | | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Apium nodiflorum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | 1 | | | | 1 | |
| Aster tripolium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Azolla caroliniana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Azolla filiculoides | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Berula erecta | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | 1 |
| Brachythecium rivulare | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brachythecium rutabulum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Butomus umbellatus | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Calla palustris | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Callitriche hamulata | | 1 | | 1 | 1 | 1 | 1 | | | 1 | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | |
| Callitriche hermaphroditica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Callitriche obtusangula | | | | | | 1 | 1 | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Callitriche platycarpa | | | | | 1 | | | 1 | | 1 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Callitriche sp | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Callitriche stagnalis | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Callitriche truncata | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Caltha palustris subsp. araneosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Cardamine amara | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | 1 | 1 | | | | | | | | | |
| Carex acuta | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carex distans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carex elata | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carex flava | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Carex lasiocarpa | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carex limosa | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carex oederi s.l. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carex oederi subsp. oederi | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carex pseudocyperus | | | | | 1 | | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carex rostrata | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Carex trinervis | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cephalozia macrostachya | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cephaloziella elachista | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ceratophyllum demersum | | | 1 | | | | | 1 | | 1 | | | 1 | | 1 | | | | 1 | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | |
| Ceratophyllum submersum | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Chara aculeolata var. pedunculata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Chara aspera | | | | 1 | | | | | | | 1 | | | 1 | 1 | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Chara baltica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Chara canescens | | | | | | | | | | | | | | | 1 | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Chara connivens | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Chara contraria | | | | | | | | | | | 1 | | | 1 | 1 | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chara globularis | | 1 | | | | | | 1 | | 1 | | | | 1 | 1 | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Chara major | | | | 1 | | | | | | 1 | 1 | | | 1 | 1 | | | | | | 1 | 1 | | 1 | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Chara sp | | | | | 1 | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chara vulgaris | | 1 | | | | 1 | 1 | 1 | | 1 | | | | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chara vulgaris var. papillata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Chrysosplenium alternifolium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Chrysosplenium oppositifolium | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | | |
| Cicuta virosa | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cirsium palustre | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Cladium mariscus | | | | | | | | | | | 1 | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cladopodiella fluitans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cochlearia officinalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Cratoneuron filicinum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Deschampsia setacea | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drepanocladus fluitans | | | | | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drosera intermedia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drosera longifolia | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drosera rotundifolia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Drosera x obovata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Echinodorus ranunculoides | | | | | | | | | 1 | | 1 | | | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Echinodorus repens | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elatine hexandra | | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eleocharis acicularis | | 1 | | | | | | 1 | | | 1 | | | | 1 | 1 | | 1 | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eleocharis multicaulis | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eleocharis palustris | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eleogiton fluitans | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | |
| Elodea canadensis | | | | | | 1 | 1 | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | 1 | | | |
| Elodea nuttallii | | | 1 | | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elodea sp | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Enteromorpha intestinalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Enteromorpha sp | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | |
| Epilobium obscurum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Equisetum fluviatile | | | | | 1 | | | 1 | | 1 | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Equisetum telmateia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Eriophorum angustifolium | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Eriophorum vaginatum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fontinalis antipyretica | | 1 | | | | | | | | 1 | | | 1 | | 1 | | | | 1 | | | 1 | | 1 | | 1 | 1 | | | | | | | | 1 | | | | | | 1 | | | 1 | | | | 1 | | |
| Galium palustre | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Glaux maritima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Glyceria fluitans | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Glyceria maxima | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glyceria notata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Glyceria notata s.l. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Glyceria notata subsp. declinata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Groenlandia densa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Hippuris vulgaris | 1 | | | | 1 | | | | | | 1 | | | | 1 | | | | 1 | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Hottonia palustris | | 1 | | 1 | | | | 1 | | 1 | | | | | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | 1 | 1 | 1 | | | | | | | 1 | | | | | | | | |
| Hydrocharis morsus-ranae | | | 1 | | | 1 | 1 | 1 | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Hydrocotyle vulgaris | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Hypericum elodes | | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iris pseudacorus | | | | | | | | | | | | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Isoetes echinospora | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Isoetes lacustris | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Juncus articulatus | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Juncus bufonius | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Juncus bulbosus | | 1 | | 1 | | | | | 1 | | | 1 | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Juncus gerardi | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Juncus inflexus | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Juncus subnodulosus | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Lemna gibba | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Lemna minor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lemna trisulca | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Leontodon autumnalis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Littorella uniflora | | | | | | | | | | | 1 | | | | | 1 | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lobelia dortmanna | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lotus corniculatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Luronium natans | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | |
| Lycopodium inundatum | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lythrum portula | | 1 | | | | | | | | | 1 | | | | | 1 | | | | | | 1 | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | |
| Lythrum salicaria | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mentha aquatica | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Menyanthes trifoliata | | | | | | | | 1 | 1 | 1 | | | | | 1 | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Molinia caerulea | | | | 1 | | | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Montia fontana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Montia fontana subsp. chondrosperma | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Montia fontana subsp. fontana | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | | | | | | |
| Myosotis palustris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Myrica gale | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Myriophyllum alterniflorum | | 1 | | 1 | | | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | 1 | | | 1 | 1 | |
| Myriophyllum sp | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Myriophyllum spicatum | | | 1 | | | 1 | 1 | | | 1 | | | 1 | | 1 | | | | 1 | | 1 | 1 | | 1 | | 1 | 1 | | 1 | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | |
| Myriophyllum verticillatum | | | | 1 | 1 | | | 1 | | 1 | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Najas marina | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | |
| Narthecium ossifragum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitella capillaris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitella flexilis | | 1 | | | | | | | | 1 | 1 | | | | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Nitella hyalina | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitella mucronata | | | | | | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitella opaca | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitella sp | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitella translucens | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Nitellopsis obtusa | | | | | | | | | | 1 | | | 1 | | 1 | | | | | 1 | | | | 1 | | 1 | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Nuphar lutea | | | 1 | | 1 | 1 | 1 | | | 1 | | | | 1 | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | 1 | 1 | 1 | 1 | | | | | | | | 1 | | | |
| Nymphaea alba | | | 1 | | 1 | 1 | 1 | | | 1 | | | 1 | 1 | 1 | | | | 1 | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Nymphoides peltata | 1 | | 1 | | 1 | 1 | 1 | | | 1 | | | | 1 | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Oenanthe aquatica | | | | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oenanthe fistulosa | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oxycoccus palustris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pellia epiphylla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Phalaris arundinacea | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Philonotis fontana | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | |
| Phragmites australis | | | 1 | | 1 | 1 | 1 | | | | | | | 1 | 1 | | | 1 | 1 | 1 | | | 1 | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | 1 |
| Pilularia globulifera | | 1 | | 1 | | | | | | | 1 | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Polygonum amphibium | | | | | 1 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Polygonum hydropiper | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | | | | | | | | | | |
| Potamogeton acutifolius | | | | | | | | 1 | | 1 | | | | 1 | 1 | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton alpinus | | 1 | | | | 1 | 1 | 1 | | | | | | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Potamogeton berchtoldii | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton coloratus | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton compressus | | | | | | | | 1 | 1 | 1 | | | 1 | 1 | 1 | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton crispus | | | 1 | | | 1 | 1 | | | | | | | | 1 | | | | 1 | 1 | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | 1 | | | 1 | | | | | | 1 | | | |
| Potamogeton densus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton gramineus | | | | 1 | 1 | | | 1 | | | 1 | | | | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton lucens | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | 1 | | | | | | | | 1 | 1 | | | 1 | |
| Potamogeton mucronatus | | | | | | | | 1 | 1 | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton natans | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | | | | | | 1 | | 1 | 1 | | | | 1 | | | | 1 | 1 | | | 1 | |
| Potamogeton nodosus | | | | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | 1 | | | | | | 1 | | | |
| Potamogeton obtusifolius | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | | 1 | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton pectinatus | | | 1 | | 1 | 1 | 1 | | | 1 | | | 1 | 1 | 1 | | | | 1 | | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | 1 | 1 | | | | | | | | 1 | | | 1 |
| Potamogeton perfoliatus | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | | 1 | 1 | | | | 1 | | 1 | 1 | 1 | 1 | | | | | | | | 1 | | 1 | | | | | 1 | | | | 1 | | |
| Potamogeton polygonifolius | | 1 | | 1 | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | 1 | | | | | | | | |
| Potamogeton praelongus | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton pusillus | | | 1 | | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | | | 1 | | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | | | | | | | | 1 | | | | | | | | | | | | | |
| Potamogeton sp | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton sp. | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Potamogeton trichoides | | | 1 | | | 1 | 1 | 1 | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | 1 | 1 | | | 1 | | | | 1 | | |
| Potentilla anserina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Potentilla palustris | | | | | | | | 1 | 1 | | | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Puccinellia distans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Puccinellia maritima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Ranunculus aquatilis | | | 1 | | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | 1 | | | |
| Ranunculus aquatilis var. aquatilis | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ranunculus aquatilis var. diffusus | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ranunculus baudotii | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Ranunculus circinatus | 1 | | | 1 | 1 | 1 | 1 | 1 | | | | | | | 1 | | | | 1 | | | | | | | | | | 1 | | | | | | | | | 1 | | | | | | | | 1 | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ranunculus flammula | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | 1 | | | | | | | |
| Ranunculus fluitans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Ranunculus hederaceus | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | 1 | | | | 1 | | |
| Ranunculus lingua | | | | | 1 | | | | | | | | | | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ranunculus ololeucos | | 1 | | 1 | | | | | | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | 1 | 1 | | | | | | | |
| Ranunculus peltatus | | | 1 | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | |
| Ranunculus peltatus var. heterophyllus | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | | 1 | | | | 1 | |
| Ranunculus sceleratus | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ranunculus tripartitus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rhynchospora alba | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Riccia fluitans | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ricciocarpos natans | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rorippa microphylla | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | | | |
| Rorippa nasturtium-aquaticum | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Rumex hydrolapathum | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Ruppia cirrhosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | 1 |
| Ruppia maritima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | |
| Ruppia sp | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Sagina procumbens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Sagittaria sagittifolia | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | 1 | | | | | | | | | |
| Salicornia europaea | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Salicornia procumbens | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Salvinia natans | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Samolus valerandi | | | | | | | | | | | 1 | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scheuchzeria palustris | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scirpus lacustris | 1 | | 1 | | | | | | | 1 | | | 1 | 1 | | | | 1 | 1 | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Scirpus lacustris subsp. tabernaemontani | | | | | | | | | | 1 | | | | 1 | | | | | | | | | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | | 1 |
| Scirpus maritimus | | | | | | | | | | 1 | 1 | | | 1 | | | | | | | 1 | 1 | | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | | | | 1 |
| Scirpus triqueter | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Scirpus x carinatus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Scrophularia auriculata | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Senecio paludosus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Sium latifolium | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sparganium angustifolium | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sparganium emersum | | | 1 | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | 1 | 1 | | | 1 | | | | 1 | | |
| Sparganium erectum | | | 1 | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sparganium natans | | 1 | | 1 | | | | 1 | 1 | | 1 | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spartina anglica | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Spergularia marina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Sphagnum balticum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sphagnum cuspidatum | | | | 1 | | | | | | | | 1 | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sphagnum denticulatum | | | | | | | | | | | | 1 | | | | | 1 | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sphagnum magellanicum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sphagnum majus | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sphagnum papillosum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sphagnum pulchrum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sphagnum recurvum | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sphagnum sp | | 1 | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spirodela polyrhiza | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stellaria uliginosa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| Stratiotes aloides | | | | | 1 | | | 1 | | 1 | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Tolypella glomerata | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| Tolypella intricata | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tolypella prolifera | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Triglochin maritima | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Typha angustifolia | | | 1 | | 1 | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| Typha latifolia | | | 1 | | 1 | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| Utricularia australis | | 1 | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Utricularia minor | | 1 | 1 | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Utricularia sp | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Utricularia vulgaris | | | | | 1 | | | 1 | | 1 | | | 1 | | | | | | | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | |

| taxonnaam | M1 | M2 | M3 | M4 | M5 | M6 | M7 | M8 | M9 | M11 | M12 | M13 | M14 | M15 | M16 | M17 | M18 | M19 | M20 | M21 | M22 | M23 | M24 | M25 | M26 | M27 | M28 | M29 | M30 | M31 | M32 | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 | R16 | R17 | R18 | K2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Veronica beccabunga | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | | | | | | | | | |
| Wolffia arrhiza | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zannichellia palustris | | | | | | | | 1 | | 1 | | | 1 | 1 | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| Zannichellia palustris subsp. palustris | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Zannichellia palustris subsp. pedicellata | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| Zostera marina | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zostera noltii | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# Bijlage 5 B Macrofyten indicatorsoort voor bestaande MNP rapporten (voor verklaring codes zie bijlage 7)

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Agrostis stolonifera | | | | | | | | | | | |
| Alisma gramineum | | | | | | | | | | | |
| Alisma lanceolatum | | | | | | | | | | | |
| Alisma plantago-aquatica | | | | | | | | | | | |
| Alopecurus aequalis | | | | | | | | | | | |
| Apium inundatum | | | | | | | | | | | 1 |
| Apium nodiflorum | | 1 | | 1 | | | | | | | |
| Aster tripolium | | | | | | | | | | | |
| Azolla caroliniana | | | | | | | | | | | |
| Azolla filiculoides | | | | | | | | | | | |
| Berula erecta | | | | | | | | | | | |
| Brachythecium rivulare | 1 | 1 | | | | | | | | | |
| Brachythecium rutabulum | | | | | | | | | | | |
| Butomus umbellatus | | | | | | | | | | | |
| Calla palustris | | | | | | | | | | | |
| Callitriche hamulata | | 1 | 1 | 1 | | | | | | | |
| Callitriche hermaphroditica | | | | | | | | 1 | | | |
| Callitriche obtusangula | | | | | | | | | | | |
| Callitriche platycarpa | 1 | | | | | | | | | | |
| Callitriche sp | | | | | | | | | | | |
| Callitriche stagnalis | | | | | | | | | | | |
| Callitriche truncata | | | | | | | | | | | |
| Caltha palustris subsp. araneosa | | | | | | | | | | | |
| Cardamine amara | | | | | | | | | | | |
| Carex acuta | | | | | | | | | | | |
| Carex distans | | | | | | | | | | | |
| Carex elata | | | | | | | | | | | |
| Carex flava | | | | | | | | | | | |

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Carex lasiocarpa | | | | | | | | | 1 | | |
| Carex limosa | | | | | | | | | 1 | | |
| Carex oederi s.l. | | | | | | | | | | | |
| Carex oederi subsp. oederi | | | | | | | | | | | |
| Carex pseudocyperus | | | | | | | | | | | |
| Carex rostrata | | | | | | | | | | | |
| Carex trinervis | | | | | | | | | | | |
| Cephalozia macrostachya | | | | | | | | | | | |
| Cephaloziella elachista | | | | | | | | | | | |
| Ceratophyllum demersum | | | | | | | | | | | |
| Ceratophyllum submersum | | | | | | | | | | | |
| Chara aculeolata var. pedunculata | | | | | | | | | | | |
| Chara aspera | | | | | | | | | | | |
| Chara baltica | | | | | | | | | | | |
| Chara canescens | | | | | | | | | | | |
| Chara connivens | | | | | | | | | | | |
| Chara contraria | | | | | | | | | | | |
| Chara globularis | | | | | | | | | | | |
| Chara major | | | | | | | | | | | |
| Chara sp | | | | | | | | | | | |
| Chara vulgaris | | | | | | | | | | | |
| Chara vulgaris var. papillata | | | | | | | | | | | |
| Chrysosplenium alternifolium | | | | | | | | | | | |
| Chrysosplenium oppositifolium | 1 | 1 | | | | | | | | | |
| Cicuta virosa | | | | | | | | | | | |
| Cirsium palustre | | | | | | | | | | | |
| Cladium mariscus | | | | | | | | | | | |
| Cladopodiella fluitans | | | | | | | | | | | |
| Cochlearia officinalis | | | | | | | | | | | |
| Cratoneuron filicinum | 1 | 1 | | | | | | | | | |
| Deschampsia setacea | | | | | | | | | | | 1 |
| Drepanocladus fluitans | | | | | | | | | | | |
| Drosera intermedia | | | | | | | | | 1 | | |

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Drosera longifolia | | | | | | | | | 1 | | |
| Drosera rotundifolia | | | | | | | | | 1 | | |
| Drosera x obovata | | | | | | | | | 1 | | |
| Echinodorus ranunculoides | | | | | | | | | | | 1 |
| Echinodorus repens | | | | | | | | | | | 1 |
| Elatine hexandra | | | | | | | | | | | 1 |
| Eleocharis acicularis | | | | | | | | | | | 1 |
| Eleocharis multicaulis | | | | | | | | | | | 1 |
| Eleocharis palustris | | | | | | | | | | | |
| Eleogiton fluitans | | | | | | | | | | | 1 |
| Elodea canadensis | | 1 | | 1 | | 1 | | 1 | | | |
| Elodea nuttallii | | | | | | | | 1 | | | |
| Elodea sp | | | | | | | | | | | |
| Enteromorpha intestinalis | | | | | | | | | | | |
| Enteromorpha sp | | | | | | | | | | | |
| Epilobium obscurum | 1 | 1 | | | | | | | | | |
| Equisetum fluviatile | | | | | | | | | | | |
| Equisetum telmateia | | | | | | | | | | | |
| Eriophorum angustifolium | | | | | | | | | 1 | | |
| Eriophorum vaginatum | | | | | | | | | | | |
| Fontinalis antipyretica | | | | | | | | | | | |
| Galium palustre | | | | | | | | | | | |
| Glaux maritima | | | | | | | | | | | |
| Glyceria fluitans | | | | | | | | | | | |
| Glyceria maxima | | | | | | | | | | | |
| Glyceria notata notata | | | | | | | | | | | |
| Glyceria notata s.l. | | | | | | | | | | | |
| Glyceria notata subsp. declinata | | | | | | | | | | | |
| Groenlandia densa | | | | | | | | | | | |
| Hippuris vulgaris | | | | | | | | | | | |
| Hottonia palustris | | | 1 | | | 1 | | 1 | | | |
| Hydrocharis morsus-ranae | | | | | | 1 | | 1 | | | |
| Hydrocotyle vulgaris | | | | | | | | | | | 1 |

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hypericum elodes | | | | | | | | | | | 1 |
| Iris pseudacorus | | | | | | | | | | | |
| Isoetes echinospora | | | | | | | | | | 1 | |
| Isoetes lacustris | | | | | | | | | | 1 | |
| Juncus articulatus | | | | | | | | | | | |
| Juncus bufonius | | | | | | | | | | | |
| Juncus bulbosus | | | | | | | | | | | |
| Juncus gerardi | | | | | | | | | | | |
| Juncus inflexus | | | | | | | | | | | |
| Juncus subnodulosus | | | | | | | | | | | |
| Lemna gibba | | | | | | | | | | | |
| Lemna minor | | | | | | | | | | | |
| Lemna trisulca | | | | | | | | | | | |
| Leontodon autumnalis | | | | | | | | | | | |
| Littorella uniflora | | | | | | | | | | 1 | 1 |
| Lobelia dortmanna | | | | | | | | | | 1 | |
| Lotus corniculatus | | | | | | | | | | | |
| Luronium natans | | | | | | | | | | | 1 |
| Lycopodium inundatum | | | | | | | | | | | |
| Lythrum portula | | | | | | | | | | | |
| Lythrum salicaria | | | | | | | | | | | |
| Mentha aquatica | | | | | | | | | | | |
| Menyanthes trifoliata | | | | | | | | | | | |
| Molinia caerulea | | | | | | | | | | | |
| Montia fontana | 1 | | | | | | | | | | |
| Montia fontana subsp. chondrosperma | | | | | | | | | | | |
| Montia fontana subsp. fontana | | | | | | | | | | | |
| Myosotis palustris | | | | | | | | | | | |
| Myrica gale | | | | | | | | | | | |
| Myriophyllum alterniflorum | | | 1 | | | | | | | | |
| Myriophyllum sp | | | | | | | | | | | |
| Myriophyllum spicatum | | | | | | | | | | | |
| Myriophyllum verticillatum | | | | | | 1 | | 1 | | | |

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Najas marina | | | | | 1 | 1 | 1 | | | | |
| Narthecium ossifragum | | | | | | | | | | | |
| Nitella capillaris | | | | | | | | | | | |
| Nitella flexilis | | | | | | | | | | | |
| Nitella hyalina | | | | | | | | | | | |
| Nitella mucronata | | | | | | | | | | | |
| Nitella opaca | | | | | | | | | | | |
| Nitella sp | | | | | | | | | | | |
| Nitella translucens | | | | | | | | | | | |
| Nitellopsis obtusa | | | | | | | | | | | |
| Nuphar lutea | | | | | | 1 | | 1 | | | |
| Nymphaea alba | | | | | | 1 | | 1 | | | |
| Nymphoides peltata | | | | | | | | 1 | | | |
| Oenanthe aquatica | | | | | | | | | | | |
| Oenanthe fistulosa | | | | | | | | | | | |
| Oxycoccus palustris | | | | | | | | | 1 | | |
| Pellia epiphylla | | | | | | | | | | | |
| Phalaris arundinacea | | | | | | | | | | | |
| Philonotis fontana | 1 | | | | | | | | | | |
| Phragmites australis | | | | | | | | | | | |
| Pilularia globulifera | | | | | | | | | | | 1 |
| Polygonum amphibium | | | | | | | | | | | |
| Polygonum hydropiper | | | | | | | | | | | |
| Potamogeton acutifolius | | | | | | 1 | | 1 | | | |
| Potamogeton alpinus | | | 1 | | | 1 | | 1 | | | |
| Potamogeton berchtoldii | | | | | | | | | | | |
| Potamogeton coloratus | | | | | | | | | | | |
| Potamogeton compressus | | | | | | | | | | | |
| Potamogeton crispus | | 1 | | 1 | | | | | | | |
| Potamogeton densus | | | | | | | | | | | |
| Potamogeton gramineus | | | | | | | | | | | 1 |
| Potamogeton lucens | | | | | | 1 | | 1 | | | |
| Potamogeton mucronatus | | | | | | | | | | | |

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Potamogeton natans | | | | | | | | | | | |
| Potamogeton nodosus | | | 1 | | | | | | | | |
| Potamogeton obtusifolius | | | | | | 1 | | | | | |
| Potamogeton pectinatus | | | 1 | | 1 | | 1 | | | | |
| Potamogeton perfoliatus | | | 1 | | | | | | | | |
| Potamogeton polygonifolius | | | | | | | | | | | 1 |
| Potamogeton praelongus | | | | | | 1 | | 1 | | | |
| Potamogeton pusillus | | | | | | | | 1 | | | |
| Potamogeton sp | | | | | | | | | | | |
| Potamogeton sp. | | | | | | | | | | | |
| Potamogeton trichoides | | | | | | | | | | | |
| Potentilla anserina | | | | | | | | | | | |
| Potentilla palustris | | | | | | | | | 1 | | |
| Puccinellia distans | | | | | | | | | | | |
| Puccinellia maritima | | | | | | | | | | | |
| Ranunculus aquatilis | | | | | | | | | | | |
| Ranunculus aquatilis var. aquatilis | | | | | | | | | | | |
| Ranunculus aquatilis var. diffusus | | | | | | | | | | | |
| Ranunculus baudotii | | | | | | | | | | | |
| Ranunculus circinatus | | | | | | | | 1 | | | |
| Ranunculus flammula | | | | | | | | | | | |
| Ranunculus fluitans | | 1 | | 1 | | | | | | | |
| Ranunculus hederaceus | 1 | | | | | | | | | | |
| Ranunculus lingua | | | | | | | | | | | |
| Ranunculus ololeucos | | | | | | | | | | | 1 |
| Ranunculus peltatus | | | | | | | | | | | |
| Ranunculus peltatus | | | | | | | | | | | |
| Ranunculus peltatus var. heterophyllus | | | | | | | | | | | |
| Ranunculus sceleratus | | | | | | | | | | | |
| Ranunculus tripartitus | | | | | | | | | | | |
| Rhynchospora alba | | | | | | | | | 1 | | |
| Riccia fluitans | | | | | | | | | | | |
| Ricciocarpos natans | | | | | | | | | | | |

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Rorippa microphylla | | | | | | | | | | | |
| Rorippa nasturtium-aquaticum | | 1 | | 1 | | | | | | | |
| Rumex hydrolapathum | | | | | | | | | | | |
| Ruppia cirrhosa | | | | | | | | | | | |
| Ruppia maritima | | | | | 1 | | 1 | | | | |
| Ruppia sp | | | | | | | | | | | |
| Sagina procumbens | | | | | | | | | | | |
| Sagittaria sagittifolia | | | | | | | | | | | |
| Salicornia europaea | | | | | | | | | | | |
| Salicornia procumbens | | | | | | | | | | | |
| Salvinia natans | | | | | | | | | | | |
| Samolus valerandi | | | | | | | | | | | 1 |
| Scheuchzeria palustris | | | | | | | | | 1 | | |
| Scirpus lacustris | | | | | | | | | | | |
| Scirpus lacustris subsp. tabernaemontani | | | | | | | | | | | |
| Scirpus maritimus | | | | | | | | | | | |
| Scirpus triqueter | | | | | | | | | | | |
| Scirpus x carinatus | | | | | | | | | | | |
| Scrophularia auriculata | | 1 | | 1 | | | | | | | |
| Senecio paludosus | | | | | | | | | | | |
| Sium latifolium | | | | | | | | | | | |
| Sparganium angustifolium | | | | | | | | | 1 | | |
| Sparganium emersum | | | | | | | | | | | |
| Sparganium erectum | | | | | | | | | | | |
| Sparganium natans | | | | | | | | | | | 1 |
| Spartina anglica | | | | | | | | | | | |
| Spergularia marina | | | | | | | | | | | |
| Sphagnum balticum | | | | | | | | | | | |
| Sphagnum cuspidatum | | | | | | | | | | | |
| Sphagnum denticulatum | | | | | | | | | | | |
| Sphagnum magellanicum | | | | | | | | | | | |
| Sphagnum majus | | | | | | | | | | | |
| Sphagnum papillosum | | | | | | | | | | | |

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sphagnum pulchrum | | | | | | | | | | | |
| Sphagnum recurvum | | | | | | | | | | | |
| Sphagnum sp | | | | | | | | | | | |
| Spirodela polyrhiza | | | | | | | | | | | |
| Stellaria uliginosa | 1 | | | | | | | | | | |
| Stratiotes aloides | | | | | | 1 | | 1 | | | |
| Tolypella glomerata | | | | | | | | | | | |
| Tolypella intricata | | | | | | | | | | | |
| Tolypella prolifera | | | | | | | | | | | |
| Triglochin maritima | | | | | | | | | | | |
| Typha angustifolia | | | | | | | | | | | |
| Typha latifolia | | | | | | | | | | | |
| Utricularia australis | | | | | | | | | | | |
| Utricularia minor | | | | | | | | | 1 | | 1 |
| Utricularia sp | | | | | | | | | | | |
| Utricularia vulgaris | | | | | | 1 | | 1 | | | |
| Veronica beccabunga | | 1 | | 1 | | | | | | | |
| Wolffia arrhiza | | | | | | | | | | | |
| Zannichellia palustris | | | | | | | | | | | |
| Zannichellia palustris subsp. palustris | | | | | | | | | | | |
| Zannichellia palustris subsp. pedicellata | | | | | 1 | | 1 | | | | |
| Zostera marina | | | | | | | | | | | |
| Zostera noltii | | | | | | | | | | | |

## Bijlage 6 A. Vissen indicatorsoort of doelsoort in aquatisch supplement typen die onder het respectievelijke krw type vallen

***(voor verklaring codes zie bijlage 7).***

| taxonnaam | M 16 | M 28 | M 19 | M 17 | M 3 | M 8 | M 1 | K 2 | M 21 | M 7 | M 6 | M 10 | R 6 | R 9 | R 11 | R 10 | R 12 | R 5 | R 7 | M 31 | M 20 | M 29 | M 27 | M 5 | M 15 | M 11 | M 14 | M 25 | M 26 | M 12 | R 4 | R 15 | R 17 | R 13 | R 18 | R 14 | R 16 | M 32 | R 8 | M 30 | M 4 | M 9 | M 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alburnus alburnus | 1 | | | 1 | 1 | | | | | 1 | 1 | 1 | 1 | | | | | 1 | 1 | | 1 | | | | 1 | | | | | 1 | | | | | | | 1 | | 1 | | | | |
| Umbra pygmaea | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | 1 |
| Perca fluviatilis | | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | | | | | | | | 1 | 1 | 1 | | 1 | | | 1 | | 1 | 1 | | | | | | | | | 1 | 1 | | | 1 |
| Barbus barbus | | | | | | | | | | | | | 1 | | | 1 | | 1 | 1 | | | | | | | | | | | | | 1 | | | 1 | 1 | 1 | | 1 | | | | |
| Salmo trutta fario | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| Lampetra planeri | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| Barbatula barbatulus | | | | | | | | | | | | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| Rhodeus sericeus | 1 | | | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | | 1 | 1 | | 1 | | 1 | | 1 | | | | | | | | | | | 1 | 1 | 1 |
| Rutilus rutilus | | | 1 | | 1 | 1 | 1 | | | 1 | 1 | | | | | 1 | | 1 | | 1 | 1 | | | 1 | | | | | | 1 | | | | | | | | 1 | 1 | 1 | | | 1 |
| Platichthys flesus | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | |
| Potamoschistus microps | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | 1 | | | |
| Abramis brama | | | 1 | | 1 | | | | | 1 | 1 | | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | 1 | 1 | 1 | | | |
| Potamoschistus minutus | | | | | | | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | 1 | | | |
| Gasterosteus aculeatus | 1 | | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | | 1 | 1 | | | | 1 | | 1 | 1 | 1 | 1 |
| Liza ramada | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alosa alosa | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | |
| Phoxinus phoxinus | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| Alosa fallax | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Alburnoides bipunctatus | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| Misgurnus fossilis | 1 | | | | 1 | 1 | 1 | | | | | | | | | 1 | | 1 | | 1 | 1 | | 1 | 1 | | 1 | | 1 | | 1 | | | | | | | | | | 1 | 1 | 1 | 1 |
| Clupea harengus | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | 1 | | | |
| Coregonus oxyrinchus | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | |
| Cyprinus carpio | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | 1 | | 1 | | | | | | | | | | | | | | | |
| Cobitis taenia | 1 | | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | | 1 | 1 | 1 | 1 | | 1 | | 1 | | | | | | | | | 1 | | 1 | 1 | 1 |
| Abramis bjoerkna | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | 1 | | 1 | | | 1 | | | 1 | | | | | | | | | | | 1 | | |
| Leuciscus cephalus | | | | | | | | | | | | | 1 | | | 1 | | 1 | 1 | | | | | | | | | | | | | 1 | | | 1 | 1 | 1 | | | | | | |
| Carassius carassius | 1 | | | 1 | 1 | | | | | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | | 1 | 1 | 1 | 1 | | 1 | | 1 | | | | | | | | | | | 1 | 1 | |

| taxonnaam | M 16 | M 28 | M 19 | M 17 | M 3 | M 8 | M 1 | K 2 | M 21 | M 7 | M 6 | M 10 | R 6 | R 9 | R 11 | R 10 | R 12 | R 5 | R 7 | M 31 | M 20 | M 29 | M 27 | M 5 | M 15 | M 11 | M 14 | M 25 | M 26 | M 12 | R 4 | R 15 | R 17 | R 13 | R 18 | R 14 | R 16 | M 32 | R 8 | M 30 | M 4 | M 9 | M 2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lota lota | 1 | 1 | | 1 | | | | | | | | | 1 | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | | | | 1 | | | 1 | 1 | 1 | | 1 | 1 | | | |
| Silurus glanis | 1 | | | 1 | | | | | | | | | 1 | | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| Anguilla anguilla | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | 1 | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | |
| Gymnocephalus cernuus | 1 | | 1 | 1 | 1 | | | | | 1 | 1 | 1 | 1 | | | | | | 1 | | 1 | | | 1 | | | | | | | | | | | | | 1 | | 1 | | | | |
| Cottus gobio | 1 | 1 | | 1 | 1 | 1 | | | | | | | 1 | 1 | | 1 | | 1 | | | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | 1 | |
| Gobio gobio | 1 | | | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | | 1 | | 1 | | | 1 | | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | | 1 | | 1 | 1 | |
| Lampetra fluviatilis | | | | | | | | 1 | | | | | 1 | | | 1 | | 1 | 1 | 1 | | | | | | | | | | | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| Rutilus erythrophthalmus | 1 | 1 | | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | | | | | | | | | | 1 | 1 | |
| Leuciscus leuciscus | | | | | | | | | | | | | | 1 | | 1 | | 1 | 1 | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | | | |
| Chondrostoma nasus | | | | | | | | | | | | | 1 | | | 1 | | 1 | 1 | | | | | | | | | | | | | 1 | | | 1 | 1 | 1 | | 1 | | | | |
| Esox lucius | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | | | 1 | | 1 | | 1 | 1 | 1 | | 1 | 1 | | 1 | | 1 | 1 | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| Stizostedion lucioperca | 1 | | | | 1 | | | | 1 | 1 | 1 | | 1 | | | | | | 1 | 1 | 1 | | | 1 | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | |
| Osmerus eperlanus | 1 | | | 1 | 1 | | | 1 | | 1 | 1 | 1 | 1 | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | | | |
| Trisopterus luscus | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | 1 | | | |
| Acipenser sturio | | | | | | | | 1 | | | | | 1 | | | | | 1 | 1 | | | | | | | | | | | | | 1 | | | | | 1 | | 1 | | | | |
| Pungitius pungitius | 1 | | | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | 1 | | | 1 | 1 | 1 | | | | 1 | 1 | | | | | | | | | 1 | 1 | 1 | 1 |
| Solea solea | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | 1 | | | |
| Leucaspius delineatus | 1 | 1 | | | 1 | 1 | | | | | | | | | | 1 | | 1 | | | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | | | | | | | | | | | 1 | 1 | |
| Thymallus thymallus | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | 1 | 1 | | | 1 | 1 | | | | | | | |
| Leuciscus idus | 1 | 1 | | 1 | | | | | | | | | 1 | | | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | 1 | | | 1 | 1 | 1 | | 1 | | | | |
| Salmo salar | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 | | 1 | | | | |
| Salmo trutta | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | |
| Tinca tinca | 1 | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | | | 1 | | 1 | | 1 | 1 | 1 | | 1 | 1 | | 1 | | 1 | 1 | | | | | | | | | | 1 | 1 | 1 | 1 |
| Petromyzon marinus | | | | | | | | 1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | | | |

# Bijlage 6 B Vissen indicatorsoort in de bestaande MNP rapporten

***(voor verklaring codes zie bijlage 7)***

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Alburnus alburnus | 2 | | | 2 | | 2 | | 2 | 2 | | 2 | 2 | | 2 | 2 | | 2 | 0.83 |
| Umbra pygmaea | | | | | | | | | | | | | | | | | | |
| Perca fluviatilis | 2 | | 2 | 2 | | 2 | | 2 | 2 | | 2 | 2 | | 2 | 2 | | 2 | |
| Barbus barbus | 3 | | 3 | | | | | | | | | | | | | | | |
| Salmo trutta fario | | | | | | | | | | | | | | | | | | |
| Lampetra planeri | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | |
| Barbatula barbatulus | 3 | 3 | 3 | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | 3 | 3 | 3 | | 3 | |
| Rhodeus sericeus | | | | | | | | | | | | | | | | | | 0.67 |
| Rutilus rutilus | 2 | | | 2 | | 2 | | 2 | 2 | | 2 | 2 | | 2 | 2 | | 2 | |
| Platichthys flesus | | | | | | | | | | | | | | | | | | |
| Potamoschistus microps | | | | | | | | | | | | | | | | | | |
| Abramis brama | | | | | | | | | | | | | | | | | | |
| Potamoschistus minutus | | | | | | | | | | | | | | | | | | |
| Gasterosteus aculeatus | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Liza ramada | | | | | | | | | | | | | | | | | | |
| Alosa alosa | | | | | | | | | | | | | | | | | | |
| Phoxinus phoxinus | 3 | 3 | 3 | | | | 1 | 1 | | | | | | | | | | |
| Alosa fallax | | | | | | | | | | | | | | | | | | |
| Alburnoides bipunctatus | | | | | | | | | | | | | | | | | | |
| Misgurnus fossilis | | | | | | | | | | | | | | | | | | 0.17 |
| Clupea harengus | | | | | | | | | | | | | | | | | | |
| Coregonus oxyrinchus | | | | | | | | | | | | | | | | | | |
| Cyprinus carpio | | | | | | | | | | | | | | | | | | |
| Cobitis taenia | | | | 3 | | 3 | | 3 | 3 | | 3 | 3 | | 3 | 3 | | 3 | 0.44 |
| Abramis bjoerkna | | | | | | | | | | | | | | | | | | |
| Leuciscus cephalus | 3 | | 3 | 3 | | 3 | | | 1 | | 1 | 3 | | 3 | 3 | | 3 | |

| taxonnaam | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | P9 | P10 | P11 | P12 | P13 | P14 | P15 | P16 | P17 | P18 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Carassius carassius | | | | | | | | | | | | | | | | | | 0.72 |
| Lota lota | | | | | | | | | | | | | | | | | | 0.17 |
| Silurus glanis | | | | | | | | | | | | | | | | | | 0.61 |
| Anguilla anguilla | 2 | | 2 | 2 | | 2 | | 2 | 1 | | 1 | 1 | | 1 | 2 | | 2 | 0.46 |
| Gymnocephalus cernuus | | | | | | | | | | | | | | | | | | |
| Cottus gobio | | 3 | 3 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Gobio gobio | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | |
| Lampetra fluviatilis | 3 | 3 | 3 | 3 | 3 | 3 | | | 3 | 3 | 3 | | | | 3 | 3 | 3 | |
| Rutilus erythrophthalmus | | | | | | | | | | | | | | | | | | 0.89 |
| Leuciscus leuciscus | 3 | | 3 | 3 | | 3 | | | 3 | | 3 | 3 | | 3 | 3 | | 3 | |
| Chondrostoma nasus | 2 | | 2 | | | | | | | | | | | | | | | |
| Esox lucius | | | | 2 | | 2 | | 2 | 2 | | 2 | 2 | | 2 | 2 | | 2 | 1 |
| Stizostedion lucioperca | | | | | | | | | | | | | | | | | | |
| Osmerus eperlanus | | | | | | | | | | | | | | | | | | |
| Trisopterus luscus | | | | | | | | | | | | | | | | | | |
| Acipenser sturio | | | | | | | | | | | | | | | | | | |
| Pungitius pungitius | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0.12 |
| Solea solea | | | | | | | | | | | | | | | | | | |
| Leucaspius delineatus | 2 | | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 0.72 |
| Thymallus thymallus | | | | | | | | | | | | | | | | | | |
| Leuciscus idus | | | | 3 | | 3 | | 3 | 3 | | 3 | 3 | | 3 | 3 | | 3 | 0.19 |
| Salmo salar | | | | | | | | | | | | | | | | | | |
| Salmo trutta | | | | | | | | | | | | | | | | | | |
| Tinca tinca | | | | | | | | | | | | | | | | | | 0.67 |
| Petromyzon marinus | | | | | | | | | | | | | | | | | | |

# Bijlage 7 Verklaring van codes KRW en MNP watertypen

| KRW type | code |
|---|---|
| Diepe gebufferde meren | M16 |
| Diepe kalkrijke meren | M24 |
| Diepe laagveenmeren | M28 |
| Diepe meren in open verbinding met rivier | M19 |
| Diepe zure meren | M18 |
| Diepe zwakgebufferde meren | M17 |
| Droogvallende bron | R1 |
| Droogvallende langzaam stromende bovenloop op zand | R3 |
| Gebufferde (regionale) kanalen | M3 |
| Gebufferde laagveensloten | M8 |
| Gebufferde sloten (overgangssloten, sloten in rivierengebied) | M1 |
| Getijdengebied | K2 |
| Grote diepe gebufferde meren | M21 |
| Grote diepe kanalen | M7 |
| Grote ondiepe kanalen | M6 |
| Laagveen vaarten en kanalen | M10 |
| Langzaam stromend riviertje op zand/klei | R6 |
| Langzaam stromende bovenloop op kalkhoudende bodem | R9 |
| Langzaam stromende bovenloop op veenbodem | R11 |
| Langzaam stromende middenloop op kalkhoudende bodem | R10 |
| Langzaam stromende middenloop/benedenloop op veenbodem | R12 |
| Langzaam stromende middenloop/benedenloop op zand | R5 |
| Langzaam stromende rivier/nevengeul op zand/klei | R7 |
| Matig brakke wateren | M31 |
| Matig grote diepe gebufferde meren | M20 |
| Matig grote diepe laagveenmeren | M29 |
| Matig grote ondiepe laagveenplassen | M27 |
| Ondiep lijnvormig water, open verbinding met rivier geinundeerd | M5 |
| Ondiepe (grote) gebufferde plassen | M15 |
| Ondiepe (kleinere) gebufferde plassen | M11 |
| Ondiepe (matig grote) gebufferde plassen | M14 |
| Ondiepe kalkrijke (grotere) plassen | M22 |
| Ondiepe kalkrijke (kleinere) plassen | M23 |
| Ondiepe laagveenplassen | M25 |
| Ondiepe zure plassen (vennen) | M13 |
| Ondiepe zwak gebufferde hoogveenplassen/vennen | M26 |
| Ondiepe zwak gebufferde plassen (vennen) | M12 |
| Permanente bron | R2 |
| Permanente langzaam stromende bovenloop op zand | R4 |
| Snelstromend riviertje op kiezelhoudende bodem | R15 |
| Snelstromende bovenloop op kalkhoudende bodem | R17 |
| Snelstromende bovenloop op zand | R13 |
| Snelstromende midden/benedenloop op kalkhoudende bodem | R18 |
| Snelstromende midden/benedenloop op zand | R14 |
| Snelstromende rivier/nevengeul op zandbodem of grind | R16 |
| Sterk brakke tot zoute wateren | M32 |
| Zoet getijdenwater (uitlopers rivier) op zand/klei | R8 |
| Zwak brakke wateren | M30 |
| Zwak gebufferde (regionale) kanalen | M4 |
| Zwak gebufferde hoogveensloten | M9 |
| Zwak gebufferde sloten (poldersloten) | M2 |