

# Bilaga 1. Artlistor och index

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# Backebäcken

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-24

| Taxa   | Antal      | Andel (%)    | Deforma-<br>tioner | Typ av<br>deformation |       |                       |      |
|--|------------|--------------|--------------------|-----------------------|-------|-----------------------|------|
| Achnanthidium minutissimum   | 24         | 6,30         |                    |                       |       |                       |      |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                   | 3          | 0,79         |                    |                       |       |                       |      |
| Cymbella naviculiformis Auerswald ex Heiberg var. naviculiformis             | 2          | 0,52         |                    |                       |       |                       |      |
| Cymbella sp.   | 4          | 1,05         |                    |                       |       |                       |      |
| Denticula sp.  | 2          | 0,52         |                    |                       |       |                       |      |
| Encyonema neogracile Krammer var. neogracile                                 | 2          | 0,52         |                    |                       |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                           | 26         | 6,82         |                    |                       |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                         | 6          | 1,57         |                    |                       |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                             | 2          | 0,52         |                    |                       |       |                       |      |
| Eunotia meisterioides Lange-Bertalot   | 8          | 2,10         |                    |                       |       |                       |      |
| Eunotia minor (Kützing) Grunow in Van Heurck                                 | 2          | 0,52         |                    |                       |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella | 30         | 7,87         | 2                  | onormal form          |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina                                | 4          | 1,05         |                    |                       |       |                       |      |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera                      | 26         | 6,82         |                    |                       |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica                                  | 76         | 19,95        |                    |                       |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                     | 94         | 24,67        |                    |                       |       |                       |      |
| Navicula cryptocephala Kützing var. cryptocephala                            | 26         | 6,82         |                    |                       |       |                       |      |
| Navicula pupula Kützing var. pupula  | 4          | 1,05         |                    |                       |       |                       |      |
| Nitzschia palea (Kützing) W.Smith var. palea                                 | 6          | 1,57         |                    |                       |       |                       |      |
| Nupela impexiformis (Lange-Bertalot) Lange-Bertalot                          | 4          | 1,05         |                    |                       |       |                       |      |
| Pinnularia interrupta W.M.Smith var. interrupta                              | 12         | 3,15         |                    |                       |       |                       |      |
| Psammothidium altaicum (Poretzky) Bukhtiyarova in Bukhtiyarova & Round       | 2          | 0,52         |                    |                       |       |                       |      |
| Rossethidium petersenii (Hustedt) Round & Bukhtiyarova                       | 6          | 1,57         |                    |                       |       |                       |      |
| Staurosira brevistriata (Grunow) Grunow                                      | 4          | 1,05         |                    |                       |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                         | 6          | 1,57         |                    |                       |       |                       |      |
| <b>Totalt</b>  | <b>381</b> |              |                    |                       |       |                       |      |
| <b>Antal taxa:</b>   | 25         | <b>IPS:</b>  | 17,9               | <b>ADMI:</b>          | 6,3   | <b>Circumneutral:</b> | 46,7 |
| <b>Diversitet:</b>   | 3,59       | <b>TDI:</b>  | 16,84              | <b>EUNO:</b>          | 19,42 | <b>Alkalifil:</b>     | 1,0  |
| <b>Deformationer (%):</b>  | 0,5        | <b>%PT:</b>  | 1,6                | <b>Acidobiont:</b>    | 19,9  | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 3,73               | <b>Acidofil:</b>      | 28,9  | <b>Odefinierad:</b>   | 0    |

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# Belån Klockaregården

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-24

| Taxa  | Antal      | Andel (%)    | Deforma-<br>tioner | Typ av<br>deformation |       |                       |      |
|---|------------|--------------|--------------------|-----------------------|-------|-----------------------|------|
| Achnanthidium minutissimum  | 26         | 5,21         |                    |                       |       |                       |      |
| Encyonema minutum (Hilse in Rabh.) D.G. Mann in Round Crawford et Mann var. minutum | 2          | 0,40         |                    |                       |       |                       |      |
| Encyonema neogracile Krammer var. neogracile  | 4          | 0,80         |                    |                       |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                                  | 196        | 39,28        |                    |                       |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                                | 1          | 0,20         |                    |                       |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                                    | 106        | 21,24        | 2                  | onormal form          |       |                       |      |
| Eunotia incisa Gregory var. incisa  | 2          | 0,40         |                    |                       |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella        | 22         | 4,41         |                    |                       |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina                                       | 16         | 3,21         |                    |                       |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica   | 18         | 3,61         |                    |                       |       |                       |      |
| Gomphonema acuminatum Ehrenberg var. acuminatum                                     | 2          | 0,40         |                    |                       |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                            | 10         | 2,00         |                    |                       |       |                       |      |
| Navicula rhynchocephala Kützing var. rhynchocephala                                 | 2          | 0,40         |                    |                       |       |                       |      |
| Psammothidium scoticum (Flower & Jones) Bukhtiyarova et Round                       | 2          | 0,40         |                    |                       |       |                       |      |
| Surirella amphioxys W. Smith var. alaskaensis Foged                                 | 4          | 0,80         |                    |                       |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                                | 86         | 17,23        |                    |                       |       |                       |      |
| <b>Totalt</b>   | <b>499</b> |              |                    |                       |       |                       |      |
| <b>Antal taxa:</b>  | 16         | <b>IPS:</b>  | 19,4               | <b>ADMI:</b>          | 5,21  | <b>Circumneutral:</b> | 48,3 |
| <b>Diversitet:</b>  | 2,6        | <b>TDI:</b>  | 7,08               | <b>EUNO:</b>          | 65,53 | <b>Alkalifil:</b>     | 0,5  |
| <b>Deformationer (%):</b>   | 0.4        | <b>%PT:</b>  | 0                  | <b>Acidobiont:</b>    | 1,5   | <b>Alkalibiont:</b>   | 0    |
|   |            | <b>ACID:</b> | 2,39               | <b>Acidofil:</b>      | 47,5  | <b>Odefinierad:</b>   | 0    |

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# Ekhultaån nedan fallet

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)    | Deforma-<br>tioner | Typ av<br>deformation |       |                       |      |
|--|------------|--------------|--------------------|-----------------------|-------|-----------------------|------|
| Achnanthidium minutissimum   | 38         | 7,31         |                    |                       |       |                       |      |
| Brachysira brebissonii Ross in Hartley   | 6          | 1,15         |                    |                       |       |                       |      |
| Brachysira neoexilis Lange-Bertalot  | 4          | 0,77         |                    |                       |       |                       |      |
| Encyonopsis minuta Krammer & Reichardt   | 2          | 0,38         |                    |                       |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris   | 22         | 4,23         |                    |                       |       |                       |      |
| Eunotia exigua (Brébisson ex Kützing) Rabenhorst var. exigua                                 | 2          | 0,38         |                    |                       |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica   | 288        | 55,38        |                    |                       |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles   | 30         | 5,77         |                    |                       |       |                       |      |
| Eunotia incisa Gregory var. incisa   | 16         | 3,08         |                    |                       |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella                 | 28         | 5,38         |                    |                       |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina  | 12         | 2,31         |                    |                       |       |                       |      |
| Fragilaria exigua Grunow in Cleve & Möller   | 2          | 0,38         |                    |                       |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica  | 20         | 3,85         |                    |                       |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                                     | 13         | 2,50         |                    |                       |       |                       |      |
| Navicula cryptocephala Kützing var. cryptocephala  | 6          | 1,15         |                    |                       |       |                       |      |
| Nitzschia palea (Kützing) W.Smith var. palea   | 2          | 0,38         |                    |                       |       |                       |      |
| Nupela impexiformis (Lange-Bertalot) Lange-Bertalot  | 4          | 0,77         |                    |                       |       |                       |      |
| Pinnularia subcapitata Gregory var. subcapitata  | 4          | 0,77         |                    |                       |       |                       |      |
| Pinnularia viridis (Nitzsch) Ehrenberg   | 2          | 0,38         |                    |                       |       |                       |      |
| Psammothidium abundans (Manguin in Bourrelly et Manguin) Bukhtiyarova et Round var. abundans | 10         | 1,92         |                    |                       |       |                       |      |
| Rossithidium petersenii (Hustedt) Round & Bukhtiyarova                                       | 5          | 0,96         |                    |                       |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa   | 4          | 0,77         |                    |                       |       |                       |      |
| <b>Totalt</b>  | <b>520</b> |              |                    |                       |       |                       |      |
| <b>Antal taxa:</b>   | 22         | <b>IPS:</b>  | 19,5               | <b>ADMI:</b>          | 7,31  | <b>Circumneutral:</b> | 17,3 |
| <b>Diversitet:</b>   | 2,69       | <b>TDI:</b>  | 3,65               | <b>EUNO:</b>          | 74,23 | <b>Alkalifil:</b>     | 0,4  |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b>  | 0,4                | <b>Acidobiont:</b>    | 4,2   | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 2,56               | <b>Acidofil:</b>      | 77,3  | <b>Odefinierad:</b>   | 0    |

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# Flinterydsbäcken nedan vägen

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa  | Antal      | Andel (%)         | Deforma-<br>tioner      | Typ av<br>deformation     |
|---|------------|-------------------|-------------------------|---------------------------|
| Achnanthidium minutissimum  | 10         | 2,49              |                         |                           |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley  | 9          | 2,24              |                         |                           |
| Brachysira brebissonii Ross in Hartley  | 2          | 0,50              |                         |                           |
| Chamaepinnularia mediocris (Krasske) Lange-Bertalot in Lange-Bertalot et Metzeltin var. mediocris | 6          | 1,49              |                         |                           |
| Cyclotella stelligera (Cleve et Grunow in Cleve) Van Heurck var. stelligera                       | 4          | 1,00              |                         |                           |
| Encyonema neogracile Krammer var. neogracile  | 12         | 2,99              |                         |                           |
| Encyonopsis minuta Krammer & Reichardt  | 2          | 0,50              |                         |                           |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris  | 16         | 3,98              |                         |                           |
| Eunotia formica Ehrenberg sensu stricto var. formica  | 178        | 44,28             |                         |                           |
| Eunotia implicata Nörpel Lange-Bertalot et Alles  | 8          | 1,99              |                         |                           |
| Eunotia minor (Kützing) Grunow in Van Heurck  | 6          | 1,49              |                         |                           |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella                      | 6          | 1,49              |                         |                           |
| Fragilaria exigua Grunow in Cleve & Möller  | 4          | 1,00              |                         |                           |
| Frustulia saxonica Rabenhorst var. saxonica   | 80         | 19,90             |                         |                           |
| Frustulia vulgaris (Thwaites) De Toni var. vulgaris   | 4          | 1,00              |                         |                           |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt  | 8          | 1,99              |                         |                           |
| Nitzschia palea (Kützing) W.Smith var. palea  | 2          | 0,50              |                         |                           |
| Pinnularia borealis Ehrenberg var. borealis   | 2          | 0,50              |                         |                           |
| Pinnularia subcapitata Gregory var. subcapitata   | 8          | 1,99              |                         |                           |
| Pinnularia viridis (Nitzsch) Ehrenberg  | 3          | 0,75              |                         |                           |
| Rossithidium petersenii (Hustedt) Round & Bukhtiyarova  | 4          | 1,00              |                         |                           |
| Stenopterobia anceps subsp. anceps Metzeltin et Lange-Bertalot                                    | 2          | 0,50              |                         |                           |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa  | 24         | 5,97              |                         |                           |
| Ulnaria ulna (Nitzsch) Compère var. ulna  | 2          | 0,50              |                         |                           |
| <b>Totalt</b>   | <b>402</b> |                   |                         |                           |
| <b>Antal taxa:</b>  | 24         | <b>IPS:</b> 19,5  | <b>ADMI:</b> 2,49       | <b>Circumneutral:</b> 8,2 |
| <b>Diversitet:</b>  | 2,97       | <b>TDI:</b> 4,26  | <b>EUNO:</b> 53,23      | <b>Alkalifil:</b> 2       |
| <b>Deformationer (%):</b>   | 0          | <b>%PT:</b> 0,5   | <b>Acidobiont:</b> 19,9 | <b>Alkalibiont:</b> 0     |
|   |            | <b>ACID:</b> 2,42 | <b>Acidofil:</b> 66,2   | <b>Odefinierad:</b> 0     |

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# Flinterydsbäcken Spjuthult

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)    | Deformationer | Typ av deformation |      |                       |      |
|--|------------|--------------|---------------|--------------------|------|-----------------------|------|
| Achnanthidium minutissimum   | 20         | 4,26         |               |                    |      |                       |      |
| Cymbella naviculiformis Auerswald ex Heiberg var. naviculiformis                             | 2          | 0,43         |               |                    |      |                       |      |
| Encyonopsis minuta Krammer & Reichardt   | 2          | 0,43         |               |                    |      |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris   | 10         | 2,13         |               |                    |      |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica   | 292        | 62,13        |               |                    |      |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles   | 36         | 7,66         | 2             | onormal form       |      |                       |      |
| Eunotia incisa Gregory var. incisa   | 2          | 0,43         |               |                    |      |                       |      |
| Eunotia meisterioides Lange-Bertalot   | 2          | 0,43         |               |                    |      |                       |      |
| Eunotia minor (Kützing) Grunow in Van Heurck   | 22         | 4,68         |               |                    |      |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella                 | 7          | 1,49         |               |                    |      |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica  | 30         | 6,38         |               |                    |      |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                                     | 6          | 1,28         |               |                    |      |                       |      |
| Navicula rhychocephala Kützing var. rhychocephala  | 4          | 0,85         |               |                    |      |                       |      |
| Pinnularia subcapitata Gregory var. subcapitata  | 12         | 2,55         |               |                    |      |                       |      |
| Psammothidium abundans (Manguin in Bourrelly et Manguin) Bukhtiyarova et Round var. abundans | 17         | 3,62         |               |                    |      |                       |      |
| Rossthidium petersenii (Hustedt) Round & Bukhtiyarova  | 2          | 0,43         |               |                    |      |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa   | 4          | 0,85         |               |                    |      |                       |      |
| <b>Totalt</b>  | <b>470</b> |              |               |                    |      |                       |      |
| <b>Antal taxa:</b>   | 17         | <b>IPS:</b>  | 19,6          | <b>ADMI:</b>       | 4,26 | <b>Circumneutral:</b> | 10,0 |
| <b>Diversitet:</b>   | 2,25       | <b>TDI:</b>  | 2,88          | <b>EUNO:</b>       | 79   | <b>Alkalifil:</b>     | 1,3  |
| <b>Deformationer (%):</b>  | 0,4        | <b>%PT:</b>  | 0             | <b>Acidobiont:</b> | 6,4  | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 2,31          | <b>Acidofil:</b>   | 82,3 | <b>Odefinierad:</b>   | 0    |

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# Grissleån nedre gångbro

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-22

| Taxa   | Antal      | Andel (%)    | Deformationer (%) | Typ av deformation |       |                       |      |
|--|------------|--------------|-------------------|--------------------|-------|-----------------------|------|
| Achnanthydium minutissimum   | 109        | 23,04        |                   |                    |       |                       |      |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                   | 5          | 1,06         |                   |                    |       |                       |      |
| Brachysira brebissonii Ross in Hartley                                       | 2          | 0,42         |                   |                    |       |                       |      |
| Brachysira neoexilis Lange-Bertalot  | 7          | 1,48         |                   |                    |       |                       |      |
| Cyclotella bodanica Eulenstein in Grunow                                     | 1          | 0,21         |                   |                    |       |                       |      |
| Cyclotella rossii Håkansson  | 2          | 0,42         |                   |                    |       |                       |      |
| Cyclotella stelligera (Cleve et Grunow in Cleve) Van Heurck var. stelligera  | 2          | 0,42         |                   |                    |       |                       |      |
| Encyonopsis minuta Krammer & Reichardt                                       | 8          | 1,69         |                   |                    |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                           | 6          | 1,27         |                   |                    |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                         | 50         | 10,57        |                   |                    |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                             | 116        | 24,52        |                   |                    |       |                       |      |
| Eunotia incisa Gregory var. incisa   | 8          | 1,69         |                   |                    |       |                       |      |
| Eunotia meisterioides Lange-Bertalot   | 4          | 0,85         |                   |                    |       |                       |      |
| Eunotia minor (Kützing) Grunow in Van Heurck                                 | 8          | 1,69         |                   |                    |       |                       |      |
| Eunotia praeurupta Ehrenberg   | 2          | 0,42         |                   |                    |       |                       |      |
| Eunotia serra Ehrenberg var. serra   | 2          | 0,42         |                   |                    |       |                       |      |
| Eunotia soleirolii (Kützing) Rabenhorst                                      | 6          | 1,27         |                   |                    |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella | 14         | 2,96         |                   |                    |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina                                | 10         | 2,11         |                   |                    |       |                       |      |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera                      | 8          | 1,69         |                   |                    |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica                                  | 14         | 2,96         |                   |                    |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                     | 18         | 3,81         |                   |                    |       |                       |      |
| Navicula cryptocephala Kützing var. cryptocephala                            | 2          | 0,42         |                   |                    |       |                       |      |
| Nitzschia perminuta (Grunow) M.Peragallo                                     | 2          | 0,42         |                   |                    |       |                       |      |
| Rossethidium petersenii (Hustedt) Round & Bukhtiyarova                       | 6          | 1,27         |                   |                    |       |                       |      |
| Stauroneis legumen (Ehrenberg) Kützing var. legumen                          | 2          | 0,42         |                   |                    |       |                       |      |
| Stausira brevistriata (Grunow) Grunow  | 2          | 0,42         |                   |                    |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                         | 57         | 12,05        |                   |                    |       |                       |      |
| <b>Totalt</b>  | <b>473</b> |              |                   |                    |       |                       |      |
| <b>Antal taxa:</b>   | 28         | <b>IPS:</b>  | 19,4              | <b>ADMI:</b>       | 23,04 | <b>Circumneutral:</b> | 32,8 |
| <b>Diversitet:</b>   | 3,47       | <b>TDI:</b>  | 11,48             | <b>EUNO:</b>       | 45    | <b>Alkalifil:</b>     | 2,7  |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b>  | 0                 | <b>Acidobiont:</b> | 3     | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 3,15              | <b>Acidofil:</b>   | 60    | <b>Odefinierad:</b>   | 0    |

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# Jonsbobäcken Nedan Rödjorna

Det.: Sofia Holmgren, Pelagia Nature & Environment AB

Provtagningsdatum: 2021-09-22

| Taxa  | Antal      | Andel (%)    | Deformationer | Typ av deformation |       |                       |      |
|---|------------|--------------|---------------|--------------------|-------|-----------------------|------|
| Achnanthidium minutissimum                                | 192        | 40,34        |               |                    |       |                       |      |
| Brachysira brebissonii Ross in Hartley                    | 2          | 0,42         |               |                    |       |                       |      |
| Brachysira neoexilis Lange-Bertalot                       | 6          | 1,26         |               |                    |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles          | 120        | 25,21        | 3             | onormal form       |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina             | 35         | 7,35         |               |                    |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica               | 3          | 0,63         |               |                    |       |                       |      |
| Gomphonema exilissimum (Grun.) Lange-Bertalot & Reichardt | 20         | 4,20         |               |                    |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa      | 34         | 7,14         |               |                    |       |                       |      |
| Ulnaria ulna (Nitzsch) Compère var. ulna                  | 64         | 13,45        |               |                    |       |                       |      |
| <b>Totalt</b>   | <b>476</b> |              |               |                    |       |                       |      |
| <b>Antal taxa:</b>  | 9          | <b>IPS:</b>  | 18,7          | <b>ADMI:</b>       | 40,34 | <b>Circumneutral:</b> | 48,3 |
| <b>Diversitet:</b>  | 2,32       | <b>TDI:</b>  | 17,57         | <b>EUNO:</b>       | 25,21 | <b>Alkalifil:</b>     | 0,5  |
| <b>Deformationer (%):</b>                                 | 0.6        | <b>%PT:</b>  | 0             | <b>Acidobiont:</b> | 1,5   | <b>Alkalibiont:</b>   | 0    |
|   |            | <b>ACID:</b> | 3,91          | <b>Acidofil:</b>   | 47,5  | <b>Odefinierad:</b>   | 0    |

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## Kinnebrobäcken Kinnebro

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-27

| Taxa   | Antal      | Andel (%)    | Deformationer | Typ av deformation |       |                       |      |
|--|------------|--------------|---------------|--------------------|-------|-----------------------|------|
| Achnanthidium minutissimum   | 149        | 36,79        |               |                    |       |                       |      |
| Cyclotella bodanica Eulenstein in Grunow   | 2          | 0,49         |               |                    |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris   | 8          | 1,98         |               |                    |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica   | 150        | 37,04        |               |                    |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles   | 32         | 7,90         |               |                    |       |                       |      |
| Eunotia incisa Gregory var. incisa   | 6          | 1,48         |               |                    |       |                       |      |
| Eunotia minor (Kützing) Grunow in Van Heurck   | 2          | 0,49         |               |                    |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella                 | 4          | 0,99         |               |                    |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina  | 8          | 1,98         |               |                    |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                                     | 20         | 4,94         |               |                    |       |                       |      |
| Pinnularia subcapitata Gregory var. subcapitata  | 4          | 0,99         |               |                    |       |                       |      |
| Psammothidium abundans (Manguin in Bourrelly et Manguin) Bukhtiyarova et Round var. abundans | 4          | 0,99         |               |                    |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa   | 14         | 3,46         |               |                    |       |                       |      |
| Ulnaria ulna (Nitzsch) Compère var. ulna   | 2          | 0,49         |               |                    |       |                       |      |
| <b>Totalt</b>  | <b>405</b> |              |               |                    |       |                       |      |
| <b>Antal taxa:</b>   | 14         | <b>IPS:</b>  | 19,9          | <b>ADMI:</b>       | 36,79 | <b>Circumneutral:</b> | 44,7 |
| <b>Diversitet:</b>   | 2,36       | <b>TDI:</b>  | 10,29         | <b>EUNO:</b>       | 49,88 | <b>Alkalifil:</b>     | 1    |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b>  | 0             | <b>Acidobiont:</b> | 0     | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 3,29          | <b>Acidofil:</b>   | 54,3  | <b>Odefinierad:</b>   | 0    |

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## Krusosabäcken nedan vandringsleden

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)         | Deforma-<br>tioner     | Typ av<br>deformation      |
|--|------------|-------------------|------------------------|----------------------------|
| Achnanthydium minutissimum   | 44         | 11,00             |                        |                            |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                   | 9          | 2,25              |                        |                            |
| Brachysira brebissonii Ross in Hartley                                       | 4          | 1,00              |                        |                            |
| Brachysira neoexilis Lange-Bertalot  | 2          | 0,50              |                        |                            |
| Cyclotella bodanica Eulenstein in Grunow                                     | 2          | 0,50              |                        |                            |
| Encyonema neogracile Krammer var. neogracile                                 | 2          | 0,50              |                        |                            |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                           | 62         | 15,50             |                        |                            |
| Eunotia formica Ehrenberg sensu stricto var. formica                         | 4          | 1,00              |                        |                            |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                             | 52         | 13,00             | 2                      | onormal form               |
| Eunotia incisa Gregory var. incisa   | 6          | 1,50              |                        |                            |
| Eunotia meisterioides Lange-Bertalot   | 6          | 1,50              |                        |                            |
| Eunotia minor (Kützing) Grunow in Van Heurck                                 | 3          | 0,75              |                        |                            |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella | 24         | 6,00              |                        |                            |
| Fragilaria capucina Desmazieres var. capucina                                | 8          | 2,00              |                        |                            |
| Frustulia saxonica Rabenhorst var. saxonica                                  | 6          | 1,50              |                        |                            |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                     | 104        | 26,00             |                        |                            |
| Navicula cryptocephala Kützing var. cryptocephala                            | 4          | 1,00              |                        |                            |
| Nitzschia palea (Kützing) W.Smith var. palea                                 | 3          | 0,75              |                        |                            |
| Rossethidium petersenii (Hustedt) Round & Bukhtiyarova                       | 30         | 7,50              |                        |                            |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                         | 25         | 6,25              |                        |                            |
| <b>Totalt</b>  | <b>400</b> |                   |                        |                            |
| <b>Antal taxa:</b>   | 20         | <b>IPS:</b> 19,4  | <b>ADMI:</b> 11        | <b>Circumneutral:</b> 48,3 |
| <b>Diversitet:</b>   | 3,16       | <b>TDI:</b> 14,05 | <b>EUNO:</b> 39,25     | <b>Alkalifil:</b> 0,5      |
| <b>Deformationer (%):</b>  | 0,5        | <b>%PT:</b> 0,8   | <b>Acidobiont:</b> 1,5 | <b>Alkalibiont:</b> 0      |
|  |            | <b>ACID:</b> 3,45 | <b>Acidofil:</b> 47,5  | <b>Odefinierad:</b> 0      |

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## Kyrkbäcken Angerdshestra kyrka

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-22

| Taxa   | Antal      | Andel (%)    | Deformationer (%) | Typ av deformation |       |                       |      |
|--|------------|--------------|-------------------|--------------------|-------|-----------------------|------|
| Achnanthidium minutissimum   | 213        | 53,12        |                   |                    |       |                       |      |
| Aulacoseira granulata (Ehrenberg) Simonsen var. granulata                    | 1          | 0,25         |                   |                    |       |                       |      |
| Brachysira neoexilis Lange-Bertalot  | 4          | 1,00         |                   |                    |       |                       |      |
| Encyonopsis minuta Krammer & Reichardt                                       | 2          | 0,50         |                   |                    |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                         | 8          | 2,00         |                   |                    |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                             | 14         | 3,49         |                   |                    |       |                       |      |
| Eunotia incisa Gregory var. incisa   | 6          | 1,50         |                   |                    |       |                       |      |
| Eunotia meisterioides Lange-Bertalot   | 4          | 1,00         |                   |                    |       |                       |      |
| Eunotia minor (Kützing) Grunow in Van Heurck                                 | 4          | 1,00         |                   |                    |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella | 26         | 6,48         |                   |                    |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina                                | 24         | 5,99         |                   |                    |       |                       |      |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera                      | 24         | 5,99         |                   |                    |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica                                  | 2          | 0,50         |                   |                    |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                     | 17         | 4,24         |                   |                    |       |                       |      |
| Gomphonema truncatum Ehrenberg var. truncatum                                | 2          | 0,50         |                   |                    |       |                       |      |
| Navicula rhynchocephala Kützing var. rhynchocephala                          | 2          | 0,50         |                   |                    |       |                       |      |
| Nitzschia acidoclinata Lange-Bertalot  | 2          | 0,50         |                   |                    |       |                       |      |
| Nitzschia palea (Kützing) W.Smith var. palea                                 | 2          | 0,50         |                   |                    |       |                       |      |
| Pinnularia subcapitata Gregory var. subcapitata                              | 2          | 0,50         |                   |                    |       |                       |      |
| Psammothidium altaicum (Poretzky) Bukhtiyarova in Bukhtiyarova & Round       | 2          | 0,50         |                   |                    |       |                       |      |
| Psammothidium scoticum (Flower & Jones) Bukhtiyarova et Round                | 2          | 0,50         |                   |                    |       |                       |      |
| Rossithidium anastasiae (Kaczmarska) Potapova                                | 2          | 0,50         |                   |                    |       |                       |      |
| Rossithidium pusillum (Grunow) F.E.Round & Bukhtiyarova                      | 19         | 4,74         |                   |                    |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                         | 14         | 3,49         |                   |                    |       |                       |      |
| Ulnaria ulna (Nitzsch) Compère var. ulna                                     | 3          | 0,75         |                   |                    |       |                       |      |
| <b>Totalt</b>  | <b>401</b> |              |                   |                    |       |                       |      |
| <b>Antal taxa:</b>   | 25         | <b>IPS:</b>  | 18,8              | <b>ADMI:</b>       | 53,12 | <b>Circumneutral:</b> | 69,6 |
| <b>Diversitet:</b>   | 2,82       | <b>TDI:</b>  | 20,24             | <b>EUNO:</b>       | 15    | <b>Alkalifil:</b>     | 2,5  |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b>  | 0,5               | <b>Acidobiont:</b> | 0,5   | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 4,24              | <b>Acidofil:</b>   | 27,4  | <b>Odefinierad:</b>   | 0    |

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## (Moa Sågbäck) Kyrkesjön ned

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)    | Deforma-<br>tioner (%) | Typ av<br>deformation |       |                       |      |
|--|------------|--------------|------------------------|-----------------------|-------|-----------------------|------|
| Achnanthes lanceolata (Brébisson ex Kützing) Grunow in Cleve & Grunow                        | 2          | 0,43         |                        |                       |       |                       |      |
| Achnantheidium minutissimum  | 24         | 5,22         |                        |                       |       |                       |      |
| Asterionella formosa Hassall   | 4          | 0,87         |                        |                       |       |                       |      |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                                   | 80         | 17,39        |                        |                       |       |                       |      |
| Aulacoseira granulata (Ehrenberg) Simonsen var. granulata                                    | 41         | 8,91         |                        |                       |       |                       |      |
| Brachysira neoexilis Lange-Bertalot  | 6          | 1,3          |                        |                       |       |                       |      |
| Cyclotella radiosa (Grunow) Lemmermann   | 6          | 1,3          |                        |                       |       |                       |      |
| Cyclotella rossii Håkansson  | 6          | 1,3          |                        |                       |       |                       |      |
| Cymbella affinis Kützing var. affinis  | 7          | 1,52         |                        |                       |       |                       |      |
| Cymbella naviculiformis Auerswald ex Heiberg var. naviculiformis                             | 4          | 0,87         |                        |                       |       |                       |      |
| Encyonopsis minuta Krammer & Reichardt   | 2          | 0,43         |                        |                       |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris   | 3          | 0,65         |                        |                       |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica   | 20         | 4,35         |                        |                       |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles   | 16         | 3,48         |                        |                       |       |                       |      |
| Eunotia incisa Gregory var. incisa   | 7          | 1,52         |                        |                       |       |                       |      |
| Eunotia minor (Kützing) Grunow in Van Heurck   | 2          | 0,43         |                        |                       |       |                       |      |
| Eunotia serra Ehrenberg var. serra   | 4          | 0,87         |                        |                       |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella                 | 2          | 0,43         |                        |                       |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina  | 8          | 1,74         |                        |                       |       |                       |      |
| Fragilaria construens (Ehrenberg) Grunow f. construens var. construens                       | 4          | 0,87         |                        |                       |       |                       |      |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera                                      | 6          | 1,3          |                        |                       |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica  | 2          | 0,43         |                        |                       |       |                       |      |
| Frustulia vulgaris (Thwaites) De Toni var. vulgaris  | 2          | 0,43         |                        |                       |       |                       |      |
| Gomphonema acuminatum Ehrenberg var. acuminatum  | 2          | 0,43         |                        |                       |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                                     | 48         | 10,43        |                        |                       |       |                       |      |
| Gomphonema variostriatum Camburn & Charles   | 2          | 0,43         |                        |                       |       |                       |      |
| Kobayasia micropunctata (Germain) Lange-Bertalot   | 2          | 0,43         |                        |                       |       |                       |      |
| Navicula pupula Kützing var. pupula  | 4          | 0,87         |                        |                       |       |                       |      |
| Pinnularia nodosa (Ehrenberg) W.Smith var. nodosa  | 2          | 0,43         |                        |                       |       |                       |      |
| Pinnularia subcapitata Gregory var. subcapitata  | 3          | 0,65         |                        |                       |       |                       |      |
| Psammothidium abundans (Manguin in Bourrelly et Manguin) Bukhtiyarova et Round var. abundans | 10         | 2,17         |                        |                       |       |                       |      |
| Rossethidium anastasiae (Kaczmarska) Potapova  | 2          | 0,43         |                        |                       |       |                       |      |
| Stausira brevistriata (Grunow) Grunow  | 10         | 2,17         |                        |                       |       |                       |      |
| Stausosirella pinnata (Ehrenberg) Williams et Round var. pinnata                             | 24         | 5,22         |                        |                       |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa   | 92         | 20           |                        |                       |       |                       |      |
| Ulnaria ulna (Nitzsch) Compère var. ulna   | 1          | 0,22         |                        |                       |       |                       |      |
| <b>Totalt</b>  | <b>460</b> |              |                        |                       |       |                       |      |
| <b>Antal taxa:</b>   | 36         | <b>IPS:</b>  | 17                     | <b>ADMI:</b>          | 5,22  | <b>Circumneutral:</b> | 23,0 |
| <b>Diversitet:</b>   | 4          | <b>TDI:</b>  | 26,13                  | <b>EUNO:</b>          | 11,7  | <b>Alkalifil:</b>     | 22,8 |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b>  | 0                      | <b>Acidobiont:</b>    | 0,87  | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 4,05                   | <b>Acidofil:</b>      | 35,43 | <b>Odefinierad:</b>   | 0    |

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# Kärraboån Barkansjö kvarn

Det.: Sofia Holmgren, Pelagia Nature & Environment AB

Provtagningsdatum: 2021-09-21

| Taxa  | Antal      | Andel (%)         | Deformationer          | Typ av deformation         |
|---|------------|-------------------|------------------------|----------------------------|
| Achnanthydium minutissimum  | 102        | 23,08             |                        |                            |
| Brachysira brebissonii Ross in Hartley  | 6          | 1,36              |                        |                            |
| Brachysira neoexilis Lange-Bertalot   | 14         | 3,17              |                        |                            |
| Encyonema minutum (Hilse in Rabh.) D.G. Mann in Round Crawford et Mann var. minutum | 2          | 0,45              |                        |                            |
| Encyonema neogracile Krammer var. neogracile  | 2          | 0,45              |                        |                            |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                                  | 20         | 4,52              |                        |                            |
| Eunotia formica Ehrenberg sensu stricto var. formica                                | 62         | 14,03             | 2                      | onormal form               |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                                    | 133        | 30,09             | 5                      | onormal form               |
| Eunotia incisa Gregory var. incisa  | 2          | 0,45              |                        |                            |
| Eunotia minor (Kützing) Grunow in Van Heurck  | 2          | 0,45              |                        |                            |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella        | 2          | 0,45              |                        |                            |
| Fragilaria capucina Desmazieres var. capucina                                       | 8          | 1,81              |                        |                            |
| Gomphonema acuminatum Ehrenberg var. acuminatum                                     | 10         | 2,26              |                        |                            |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                            | 37         | 8,37              |                        |                            |
| Navicula rhynchocephala Kützing var. rhynchocephala                                 | 4          | 0,90              |                        |                            |
| Nupela impexiformis (Lange-Bertalot) Lange-Bertalot                                 | 2          | 0,45              |                        |                            |
| Rossithidium petersenii (Hustedt) Round & Bukhtiyarova                              | 10         | 2,26              |                        |                            |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                                | 20         | 4,52              |                        |                            |
| Ulnaria ulna (Nitzsch) Compère var. ulna  | 4          | 0,90              |                        |                            |
| <b>Totalt</b>   | <b>442</b> |                   |                        |                            |
| <b>Antal taxa:</b>  | 19         | <b>IPS:</b> 19,6  | <b>ADMI:</b> 23,08     | <b>Circumneutral:</b> 48,3 |
| <b>Diversitet:</b>  | 3,04       | <b>TDI:</b> 9,95  | <b>EUNO:</b> 50,00     | <b>Alkalifil:</b> 0,5      |
| <b>Deformationer (%):</b>   | 1.6        | <b>%PT:</b> 0     | <b>Acidobiont:</b> 1,5 | <b>Alkalibiont:</b> 0      |
|   |            | <b>ACID:</b> 3,19 | <b>Acidofil:</b> 47,5  | <b>Odefinierad:</b> 0      |

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## Lillån Mo

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)    | Deformationer | Typ av deformation |       |                       |     |
|--|------------|--------------|---------------|--------------------|-------|-----------------------|-----|
| Achnanthydium minutissimum                                 | 2          | 0,47         |               |                    |       |                       |     |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley | 5          | 1,18         |               |                    |       |                       |     |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris         | 2          | 0,47         |               |                    |       |                       |     |
| Eunotia formica Ehrenberg sensu stricto var. formica       | 368        | 87,00        |               |                    |       |                       |     |
| Eunotia incisa Gregory var. incisa                         | 10         | 2,36         | 2             |                    |       |                       |     |
| Eunotia minor (Kützing) Grunow in Van Heurck               | 6          | 1,42         | 1             | onormal form       |       |                       |     |
| Eunotia praerupta Ehrenberg                                | 6          | 1,42         |               |                    |       |                       |     |
| Eunotia serra Ehrenberg var. serra                         | 4          | 0,95         |               |                    |       |                       |     |
| Fragilaria capucina Desmazieres var. capucina              | 2          | 0,47         |               |                    |       |                       |     |
| Frustulia saxonica Rabenhorst var. saxonica                | 4          | 0,95         |               |                    |       |                       |     |
| Nitzschia palea (Kützing) W.Smith var. palea               | 3          | 0,71         |               |                    |       |                       |     |
| Pinnularia interrupta W.M.Smith var. interrupta            | 4          | 0,95         |               |                    |       |                       |     |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa       | 7          | 1,65         |               |                    |       |                       |     |
| <b>Totalt</b>  | <b>423</b> |              |               |                    |       |                       |     |
| <b>Antal taxa:</b>   | 13         | <b>IPS:</b>  | 19,5          | <b>ADMI:</b>       | 0,47  | <b>Circumneutral:</b> | 2,6 |
| <b>Diversitet:</b>   | 1          | <b>TDI:</b>  | 0,96          | <b>EUNO:</b>       | 93,62 | <b>Alkalifil:</b>     | 0   |
| <b>Deformationer (%):</b>                                  | 0,7        | <b>%PT:</b>  | 0,7           | <b>Acidobiont:</b> | 0,9   | <b>Alkalibiont:</b>   | 0   |
|  |            | <b>ACID:</b> | 1,61          | <b>Acidofil:</b>   | 95,3  | <b>Odefinierad:</b>   | 0   |

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## Lillån Perstorp

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-24

| Taxa   | Antal      | Andel (%)         | Deformationer          | Typ av deformation        |
|--|------------|-------------------|------------------------|---------------------------|
| Achnanthidium minutissimum   | 8          | 1,82              |                        |                           |
| Aulacoseira tenella (Nygaard) Simonsen 1979                                  | 172        | 39,18             |                        |                           |
| Aulacoseira granulata (Ehrenberg) Simonsen sensu lato                        | 21         | 4,78              |                        |                           |
| Cyclotella bodanica Eulenstein in Grunow                                     | 8          | 1,82              |                        |                           |
| Cyclotella stelligera (Cleve et Grunow in Cleve) Van Heurck var. stelligera  | 13         | 2,96              |                        |                           |
| Cyclotella tripartita Håkansson  | 5          | 1,14              |                        |                           |
| Cymbella ehrenbergii Kützing var. ehrenbergii                                | 2          | 0,46              |                        |                           |
| Cymbella naviculiformis Auerswald ex Heiberg var. naviculiformis             | 2          | 0,46              |                        |                           |
| Encyonopsis minuta Krammer & Reichardt                                       | 2          | 0,46              |                        |                           |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                           | 18         | 4,10              |                        |                           |
| Eunotia formica Ehrenberg sensu stricto var. formica                         | 6          | 1,37              |                        |                           |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                             | 14         | 3,19              |                        |                           |
| Eunotia meisterioides Lange-Bertalot   | 2          | 0,46              |                        |                           |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella | 12         | 2,73              |                        |                           |
| Fragilaria brevistriata Grunow in Van Heurck var. brevistriata               | 66         | 15,03             |                        |                           |
| Fragilaria capucina Desmazieres var. capucina                                | 2          | 0,46              |                        |                           |
| Fragilaria exigua Grunow in Cleve & Möller                                   | 6          | 1,37              |                        |                           |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera                      | 4          | 0,91              |                        |                           |
| Frustulia saxonica Rabenhorst var. saxonica                                  | 2          | 0,46              |                        |                           |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                     | 2          | 0,46              |                        |                           |
| Kobayasia micropunctata (Germain) Lange-Bertalot                             | 2          | 0,46              |                        |                           |
| Navicula pupula Kützing var. pupula  | 4          | 0,91              |                        |                           |
| Nitzschia commutata Grunow in Cleve et Grunow var. commutata                 | 2          | 0,46              |                        |                           |
| Nitzschia dissipata subsp. dissipata (Kützing) Grunow var. dissipata         | 2          | 0,46              |                        |                           |
| Pinnularia intermedia (Lagerstedt) P.T. Cleve var. intermedia                | 2          | 0,46              |                        |                           |
| Pinnularia viridis (Nitzsch) Ehrenberg                                       | 2          | 0,46              |                        |                           |
| Psammothidium subatomoides (Hustedt) Bukhtiyarova et Round                   | 4          | 0,91              |                        |                           |
| Rossethidium petersenii (Hustedt) Round & Bukhtiyarova                       | 2          | 0,46              |                        |                           |
| Staurosira brevistriata (Grunow) Grunow                                      | 2          | 0,46              |                        |                           |
| Staurosirella pinnata (Ehrenberg) Williams et Round var. pinnata             | 2          | 0,46              |                        |                           |
| Surirella angusta Kützing var. angusta                                       | 2          | 0,46              |                        |                           |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                         | 44         | 10,02             |                        |                           |
| Ulnaria ulna (Nitzsch) Compère var. ulna                                     | 2          | 0,46              |                        |                           |
| <b>Totalt</b>  | <b>439</b> |                   |                        |                           |
| <b>Antal taxa:</b>   | 33         | <b>IPS:</b> 15,9  | <b>ADMI:</b> 1,82      | <b>Circumneutral:</b> 6,8 |
| <b>Diversitet:</b>   | 3,36       | <b>TDI:</b> 21,55 | <b>EUNO:</b> 11,85     | <b>Alkalifil:</b> 24,4    |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b> 0,5   | <b>Acidobiont:</b> 0,9 | <b>Alkalibiont:</b> 0,5   |
|  |            | <b>ACID:</b> 4,05 | <b>Acidofil:</b> 23,7  | <b>Odefinierad:</b> 0     |

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# Mjösjöbäcken Södragården

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-24

| Taxa   | Antal      | Andel (%)    | Deformationer (%) | Typ av deformation |       |                       |     |
|--|------------|--------------|-------------------|--------------------|-------|-----------------------|-----|
| Achnanthidium minutissimum   | 4          | 1,00         |                   |                    |       |                       |     |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                                   | 4          | 1,00         |                   |                    |       |                       |     |
| Brachysira neoexilis Lange-Bertalot  | 2          | 0,50         |                   |                    |       |                       |     |
| Encyonema neogracile Krammer var. neogracile   | 2          | 0,50         |                   |                    |       |                       |     |
| Encyonopsis minuta Krammer & Reichardt   | 2          | 0,50         |                   |                    |       |                       |     |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris   | 121        | 30,17        |                   |                    |       |                       |     |
| Eunotia formica Ehrenberg sensu stricto var. formica   | 19         | 4,74         |                   |                    |       |                       |     |
| Eunotia implicata Nörpel Lange-Bertalot et Alles   | 23         | 5,74         |                   |                    |       |                       |     |
| Eunotia incisa Gregory var. incisa   | 4          | 1,00         |                   |                    |       |                       |     |
| Eunotia minor (Kützing) Grunow in Van Heurck   | 70         | 17,46        |                   |                    |       |                       |     |
| Eunotia sp.  | 4          | 1,00         |                   |                    |       |                       |     |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella                 | 41         | 10,22        |                   |                    |       |                       |     |
| Frustulia rhomboides (Ehrenberg) De Toni var. rhomboides                                     | 14         | 3,49         |                   |                    |       |                       |     |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                                     | 12         | 2,99         |                   |                    |       |                       |     |
| Navicula sp.   | 2          | 0,50         |                   |                    |       |                       |     |
| Nitzschia palea (Kützing) W.Smith var. palea   | 2          | 0,50         |                   |                    |       |                       |     |
| Pinnularia microstauron (Ehr.) Cleve var. microstauron                                       | 2          | 0,50         |                   |                    |       |                       |     |
| Pinnularia viridis (Nitzsch) Ehrenberg   | 4          | 1,00         |                   |                    |       |                       |     |
| Psammothidium abundans (Manguin in Bourrelly et Manguin) Bukhtiyarova et Round var. abundans | 7          | 1,75         |                   |                    |       |                       |     |
| Stausira brevistriata (Grunow) Grunow  | 4          | 1,00         |                   |                    |       |                       |     |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa   | 58         | 14,46        |                   |                    |       |                       |     |
| <b>Totalt</b>  | <b>401</b> |              |                   |                    |       |                       |     |
| <b>Antal taxa:</b>   | 21         | <b>IPS:</b>  | 18,9              | <b>ADMI:</b>       | 1     | <b>Circumneutral:</b> | 7,7 |
| <b>Diversitet:</b>   | 3,2        | <b>TDI:</b>  | 8,55              | <b>EUNO:</b>       | 70,32 | <b>Alkalifil:</b>     | 1,5 |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b>  | 0,5               | <b>Acidobiont:</b> | 0     | <b>Alkalibiont:</b>   | 0   |
|  |            | <b>ACID:</b> | 2,26              | <b>Acidofil:</b>   | 89,3  | <b>Odefinierad:</b>   | 0   |

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# Storån inlopp Flaten

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa  | Antal      | Andel (%)    | Deformationer (%) | Typ av deformation |       |                       |      |
|---|------------|--------------|-------------------|--------------------|-------|-----------------------|------|
| Achnanthidium minutissimum  | 44         | 9,8          |                   |                    |       |                       |      |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                  | 8          | 1,78         |                   |                    |       |                       |      |
| Cyclotella rossii Håkansson   | 2          | 0,45         |                   |                    |       |                       |      |
| Cyclotella stelligera (Cleve et Grunow in Cleve) Van Heurck var. stelligera | 2          | 0,45         |                   |                    |       |                       |      |
| Encyonopsis minuta Krammer & Reichardt                                      | 2          | 0,45         |                   |                    |       |                       |      |
| Eunotia arcus var. arcus sensu stricto Lange-Bertalot et al. var. arcus     | 4          | 0,89         |                   |                    |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                          | 88         | 19,6         |                   |                    |       |                       |      |
| Eunotia elegans Østrup  | 2          | 0,45         |                   |                    |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                        | 41         | 9,13         |                   |                    |       |                       |      |
| Eunotia incisa Gregory var. incisa  | 2          | 0,45         |                   |                    |       |                       |      |
| Fragilaria construens (Ehrenberg) Grunow f. construens var. construens      | 2          | 0,45         |                   |                    |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica                                 | 8          | 1,78         |                   |                    |       |                       |      |
| Gomphonema acuminatum Ehrenberg var. acuminatum                             | 2          | 0,45         |                   |                    |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                    | 26         | 5,79         |                   |                    |       |                       |      |
| Gomphonema truncatum Ehrenberg var. truncatum                               | 2          | 0,45         |                   |                    |       |                       |      |
| Navicula cryptocephala Kützing var. cryptocephala                           | 8          | 1,78         |                   |                    |       |                       |      |
| Navicula rhynchocephala Kützing var. rhynchocephala                         | 2          | 0,45         |                   |                    |       |                       |      |
| Nitzschia palea (Kützing) W.Smith var. palea                                | 4          | 0,89         |                   |                    |       |                       |      |
| Nitzschia sp.   | 2          | 0,45         |                   |                    |       |                       |      |
| Rossithidium petersenii (Hustedt) Round & Bukhtiyarova                      | 10         | 2,23         |                   |                    |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                        | 186        | 41,43        |                   |                    |       |                       |      |
| Ulnaria ulna (Nitzsch) Compère var. ulna                                    | 2          | 0,45         |                   |                    |       |                       |      |
| <b>Totalt</b>   | <b>449</b> |              |                   |                    |       |                       |      |
| <b>Antal taxa:</b>  | 22         | <b>IPS:</b>  | 19                | <b>ADMI:</b>       | 9,8   | <b>Circumneutral:</b> | 21,8 |
| <b>Diversitet:</b>  | 2,81       | <b>TDI:</b>  | 17,34             | <b>EUNO:</b>       | 30,5  | <b>Alkalifil:</b>     | 2,7  |
| <b>Deformationer (%):</b>   | 0          | <b>%PT:</b>  | 1,34              | <b>Acidobiont:</b> | 1,78  | <b>Alkalibiont:</b>   | 0    |
|   |            | <b>ACID:</b> | 3,04              | <b>Acidofil:</b>   | 71,05 | <b>Odefinierad:</b>   | 0    |

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# Sågån vägbron

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-22

| Taxa  | Antal      | Andel (%)    | Deforma-<br>tioner | Typ av<br>deformation |       |                       |      |
|---|------------|--------------|--------------------|-----------------------|-------|-----------------------|------|
| Achnanthidium minutissimum  | 218        | 51,78        |                    |                       |       |                       |      |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                          | 18         | 4,28         |                    |                       |       |                       |      |
| Brachysira brebissonii Ross in Hartley  | 4          | 0,95         |                    |                       |       |                       |      |
| Brachysira neoexilis Lange-Bertalot   | 6          | 1,43         |                    |                       |       |                       |      |
| Cyclotella bodanica Eulenstein in Grunow  | 3          | 0,71         |                    |                       |       |                       |      |
| Cyclotella stelligera (Cleve et Grunow in Cleve) Van Heurck var. stelligera         | 2          | 0,48         |                    |                       |       |                       |      |
| Cymbella naviculiformis Auerswald ex Heiberg var. naviculiformis                    | 2          | 0,48         |                    |                       |       |                       |      |
| Cymbella proxima Reimer in Patrick et Reimer var. proxima                           | 2          | 0,48         |                    |                       |       |                       |      |
| Encyonema minutum (Hilse in Rabh.) D.G. Mann in Round Crawford et Mann var. minutum | 2          | 0,48         |                    |                       |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                                  | 4          | 0,95         |                    |                       |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                                | 17         | 4,04         |                    |                       |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                                    | 10         | 2,38         |                    |                       |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella        | 6          | 1,43         |                    |                       |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina                                       | 38         | 9,03         |                    |                       |       |                       |      |
| Fragilaria parasitica (W. Sm.) Grunow in Van Heurck var. parasitica                 | 2          | 0,48         |                    |                       |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica   | 4          | 0,95         |                    |                       |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                            | 14         | 3,33         |                    |                       |       |                       |      |
| Navicula rhynchocephala Kützing var. rhynchocephala                                 | 2          | 0,48         |                    |                       |       |                       |      |
| Nupela impexiformis (Lange-Bertalot) Lange-Bertalot                                 | 2          | 0,48         |                    |                       |       |                       |      |
| Psammothidium scoticum (Flower & Jones) Bukhtiyarova et Round                       | 2          | 0,48         |                    |                       |       |                       |      |
| Rossithidium petersenii (Hustedt) Round & Bukhtiyarova                              | 4          | 0,95         |                    |                       |       |                       |      |
| Stausosira brevistriata (Grunow) Grunow   | 2          | 0,48         |                    |                       |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                                | 57         | 13,54        |                    |                       |       |                       |      |
| <b>Totalt</b>   | <b>421</b> |              |                    |                       |       |                       |      |
| <b>Antal taxa:</b>  | 23         | <b>IPS:</b>  | 19                 | <b>ADMI:</b>          | 51,78 | <b>Circumneutral:</b> | 66,0 |
| <b>Diversitet:</b>  | 2,68       | <b>TDI:</b>  | 21,88              | <b>EUNO:</b>          | 8,79  | <b>Alkalifil:</b>     | 2,1  |
| <b>Deformationer (%):</b>   | 0          | <b>%PT:</b>  | 0                  | <b>Acidobiont:</b>    | 1     | <b>Alkalibiont:</b>   | 0    |
|   |            | <b>ACID:</b> | 4,48               | <b>Acidofil:</b>      | 25,2  | <b>Odefinierad:</b>   | 0    |

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# Töllstorpaån Nordbäck

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa  | Antal      | Andel (%)    | Deforma-<br>tioner | Typ av<br>deformation |       |                       |      |
|---|------------|--------------|--------------------|-----------------------|-------|-----------------------|------|
| Achnanthydium minutissimum  | 103        | 23,62        |                    |                       |       |                       |      |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                  | 38         | 8,72         |                    |                       |       |                       |      |
| Brachysira brebissonii Ross in Hartley                                      | 6          | 1,38         |                    |                       |       |                       |      |
| Brachysira neoexilis Lange-Bertalot   | 6          | 1,38         |                    |                       |       |                       |      |
| Cyclotella stelligera (Cleve et Grunow in Cleve) Van Heurck var. stelligera | 4          | 0,92         |                    |                       |       |                       |      |
| Encyonema neogracile Krammer var. neogracile                                | 2          | 0,46         |                    |                       |       |                       |      |
| Encyonopsis minuta Krammer & Reichardt                                      | 2          | 0,46         |                    |                       |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                          | 57         | 13,07        |                    |                       |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                        | 152        | 34,86        |                    |                       |       |                       |      |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera                     | 2          | 0,46         |                    |                       |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica                                 | 4          | 0,92         |                    |                       |       |                       |      |
| Kobayasiella micropunctata (Germain) Lange-Bertalot                         | 2          | 0,46         |                    |                       |       |                       |      |
| Navicula rhynchocephala Kützing var. rhynchocephala                         | 2          | 0,46         |                    |                       |       |                       |      |
| Nupela impexiformis (Lange-Bertalot) Lange-Bertalot                         | 2          | 0,46         |                    |                       |       |                       |      |
| Pinnularia interrupta W.M.Smith var. interrupta                             | 4          | 0,92         |                    |                       |       |                       |      |
| Pinnularia sp.  | 2          | 0,46         |                    |                       |       |                       |      |
| Rossethidium petersenii (Hustedt) Round & Bukhtiyarova                      | 4          | 0,92         |                    |                       |       |                       |      |
| Stausosira brevistriata (Grunow) Grunow                                     | 4          | 0,92         |                    |                       |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                        | 40         | 9,17         |                    |                       |       |                       |      |
| <b>Totalt</b>   | <b>436</b> |              |                    |                       |       |                       |      |
| <b>Antal taxa:</b>  | 19         | <b>IPS:</b>  | 19,4               | <b>ADMI:</b>          | 23,62 | <b>Circumneutral:</b> | 25,5 |
| <b>Diversitet:</b>  | 2,76       | <b>TDI:</b>  | 8,78               | <b>EUNO:</b>          | 47,94 | <b>Alkalifil:</b>     | 1,8  |
| <b>Deformationer (%):</b>   | 0          | <b>%PT:</b>  | 0                  | <b>Acidobiont:</b>    | 1,4   | <b>Alkalibiont:</b>   | 0    |
|   |            | <b>ACID:</b> | 3,02               | <b>Acidofil:</b>      | 60,8  | <b>Odefinierad:</b>   | 0    |

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# Viskeån inlopp Draven

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa  | Antal | Andel (%) | Deforma-<br>tioner | Typ av<br>deformation |
|---|-------|-----------|--------------------|-----------------------|
| <i>Achnanthydium minutissimum</i>   | 22    | 4,87      |                    |                       |
| <i>Aulacoseira distans</i> var. <i>tenella</i> (Nygaard) Ross in Hartley                    | 48    | 10,62     |                    |                       |
| <i>Aulacoseira granulata</i> (Ehrenberg) Simonsen var. <i>granulata</i>                     | 36    | 7,96      |                    |                       |
| <i>Cyclotella rossii</i> Håkansson  | 5     | 1,11      |                    |                       |
| <i>Cymbella naviculiformis</i> Auerswald ex Heiberg var. <i>naviculiformis</i>              | 4     | 0,88      |                    |                       |
| <i>Encyonopsis minuta</i> Krammer & Reichardt   | 2     | 0,44      |                    |                       |
| <i>Eunotia bilunaris</i> (Ehrenberg) Mills var. <i>bilunaris</i>                            | 8     | 1,77      |                    |                       |
| <i>Eunotia formica</i> Ehrenberg sensu stricto var. <i>formica</i>                          | 6     | 1,33      |                    |                       |
| <i>Eunotia implicata</i> Nörpel Lange-Bertalot et Alles                                     | 20    | 4,42      |                    |                       |
| <i>Eunotia incisa</i> Gregory var. <i>incisa</i>  | 6     | 1,33      |                    |                       |
| <i>Eunotia meisterioides</i> Lange-Bertalot   | 4     | 0,88      |                    |                       |
| <i>Eunotia minor</i> (Kützing) Grunow in Van Heurck   | 10    | 2,21      |                    |                       |
| <i>Eunotia</i> sp.  | 4     | 0,88      |                    |                       |
| <i>Eunotia tenella</i> (Grunow in Van Heurck) Hustedt in Schmidt et al var. <i>tenella</i>  | 16    | 3,54      |                    |                       |
| <i>Fragilaria construens</i> (Ehrenberg) Grunow f. <i>construens</i> var. <i>construens</i> | 2     | 0,44      |                    |                       |
| <i>Fragilaria exigua</i> Grunow in Cleve & Möller   | 10    | 2,21      |                    |                       |
| <i>Fragilaria parasitica</i> (W. Sm.) Grunow in Van Heurck var. <i>parasitica</i>           | 2     | 0,44      |                    |                       |
| <i>Frustulia saxonica</i> Rabenhorst var. <i>saxonica</i>                                   | 12    | 2,65      |                    |                       |
| <i>Frustulia vulgaris</i> (Thwaites) De Toni var. <i>vulgaris</i>                           | 2     | 0,44      |                    |                       |
| <i>Gomphonema exilissimum</i> (Grun.) Lange-Bertalot & Reichardt                            | 46    | 10,18     |                    |                       |
| <i>Gomphonema varioireduncum</i> Jüttner, Ector, Reichardt, Van de Vijver et Cox            | 4     | 0,88      |                    |                       |
| <i>Kobayasiella</i> sp.   | 3     | 0,66      |                    |                       |
| <i>Navicula capitata</i> Ehrenberg (=Hippodonta) var. <i>capitata</i>                       | 6     | 1,33      |                    |                       |
| <i>Navicula cryptocephala</i> Kützing var. <i>cryptocephala</i>                             | 2     | 0,44      |                    |                       |
| <i>Navicula pupula</i> Kützing var. <i>pupula</i>   | 2     | 0,44      |                    |                       |
| <i>Navicula rhynchocephala</i> Kützing var. <i>rhynchocephala</i>                           | 10    | 2,21      |                    |                       |
| <i>Navicula stroemii</i> Hustedt  | 4     | 0,88      |                    |                       |
| <i>Nitzschia acidoclinata</i> Lange-Bertalot  | 2     | 0,44      |                    |                       |
| <i>Nitzschia dissipata</i> subsp. <i>dissipata</i> (Kützing) Grunow var. <i>dissipata</i>   | 2     | 0,44      |                    |                       |
| <i>Nitzschia palea</i> (Kützing) W.Smith var. <i>palea</i>                                  | 3     | 0,66      |                    |                       |
| <i>Nitzschia perminuta</i> (Grunow) M.Peragallo   | 2     | 0,44      |                    |                       |
| <i>Pinnularia intermedia</i> (Lagerstedt) P.T. Cleve var. <i>intermedia</i>                 | 5     | 1,11      |                    |                       |
| <i>Pinnularia interrupta</i> W.M.Smith var. <i>interrupta</i>                               | 2     | 0,44      |                    |                       |
| <i>Pinnularia nodosa</i> (Ehrenberg) W.Smith var. <i>nodosa</i>                             | 2     | 0,44      |                    |                       |
| <i>Pinnularia subcapitata</i> Gregory var. <i>subcapitata</i>                               | 10    | 2,21      |                    |                       |
| <i>Rosithidium petersenii</i> (Hustedt) Round & Bukhtiyarova                                | 2     | 0,44      |                    |                       |
| <i>Staurosira brevistriata</i> (Grunow) Grunow  | 31    | 6,86      |                    |                       |
| <i>Staurosirella pinnata</i> (Ehrenberg) Williams et Round var. <i>pinnata</i>              | 4     | 0,88      |                    |                       |
| <i>Stenopterobia anceps</i> subsp. <i>anceps</i> Metzeltin et Lange-Bertalot                | 4     | 0,88      |                    |                       |
| <i>Surirella angusta</i> Kützing var. <i>angusta</i>  | 2     | 0,44      |                    |                       |

Fortsättning på nästa sida

| Forts<br>Taxa  |      | Antal             | Andel (%)              | Deforma-<br>tioner    | Typ av<br>deformation |
|--|------|-------------------|------------------------|-----------------------|-----------------------|
| Surirella brebissonii Krammer & Lange-Bertalot       |      | 2                 | 0,44                   |                       |                       |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa |      | 83                | 18,36                  |                       |                       |
| <b>Totalt</b>  |      | <b>452</b>        |                        |                       |                       |
| <b>Antal taxa:</b>                                   | 42   | <b>IPS:</b> 17,1  | <b>ADMI:</b> 4,87      | <b>Circumneutral:</b> | 24,2                  |
| <b>Diversitet:</b>                                   | 4,39 | <b>TDI:</b> 25,52 | <b>EUNO:</b> 16,37     | <b>Alkalifil:</b>     | 23,7                  |
| <b>Deformationer (%):</b>                            | 0    | <b>%PT:</b> 0,7   | <b>Acidobiont:</b> 2,7 | <b>Alkalibiont:</b>   | 0                     |
|  |      | <b>ACID:</b> 3,88 | <b>Acidofil:</b> 37,4  | <b>Odefinierad:</b>   | 0                     |

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# Västerån Burseryd

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)    | Deformationer | Typ av deformation |       |                       |      |
|--|------------|--------------|---------------|--------------------|-------|-----------------------|------|
| Achnanthydium minutissimum   | 298        | 66,22        |               |                    |       |                       |      |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                                   | 15         | 3,33         |               |                    |       |                       |      |
| Brachysira brebissonii Ross in Hartley   | 4          | 0,89         |               |                    |       |                       |      |
| Brachysira neoexilis Lange-Bertalot  | 2          | 0,44         |               |                    |       |                       |      |
| Cymbella naviculiformis Auerswald ex Heiberg var. naviculiformis                             | 2          | 0,44         |               |                    |       |                       |      |
| Encyonopsis minuta Krammer & Reichardt   | 5          | 1,11         |               |                    |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris   | 6          | 1,33         |               |                    |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica   | 29         | 6,44         |               |                    |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles   | 4          | 0,89         |               |                    |       |                       |      |
| Eunotia incisa Gregory var. incisa   | 2          | 0,44         |               |                    |       |                       |      |
| Eunotia minor (Kützing) Grunow in Van Heurck   | 2          | 0,44         |               |                    |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina  | 3          | 0,67         |               |                    |       |                       |      |
| Fragilaria constricta Ehrenberg var. constricta  | 2          | 0,44         |               |                    |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica  | 2          | 0,44         |               |                    |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                                     | 6          | 1,33         |               |                    |       |                       |      |
| Navicula cryptocephala Kützing var. cryptocephala  | 6          | 1,33         |               |                    |       |                       |      |
| Pinnularia sp.   | 2          | 0,44         |               |                    |       |                       |      |
| Psammothidium abundans (Manguin in Bourrelly et Manguin) Bukhtiyarova et Round var. abundans | 10         | 2,22         |               |                    |       |                       |      |
| Psammothidium scoticum (Flower & Jones) Bukhtiyarova et Round                                | 4          | 0,89         |               |                    |       |                       |      |
| Rossthidium petersenii (Hustedt) Round & Bukhtiyarova  | 4          | 0,89         |               |                    |       |                       |      |
| Staurosira brevistriata (Grunow) Grunow  | 2          | 0,44         |               |                    |       |                       |      |
| Staurosirella pinnata (Ehrenberg) Williams et Round var. pinnata                             | 4          | 0,89         |               |                    |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa   | 36         | 8,00         |               |                    |       |                       |      |
| <b>Totalt</b>  | <b>450</b> |              |               |                    |       |                       |      |
| <b>Antal taxa:</b>   | 23         | <b>IPS:</b>  | 19,2          | <b>ADMI:</b>       | 66,22 | <b>Circumneutral:</b> | 73,1 |
| <b>Diversitet:</b>   | 2,18       | <b>TDI:</b>  | 22,24         | <b>EUNO:</b>       | 9,56  | <b>Alkalifil:</b>     | 2,4  |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b>  | 0             | <b>Acidobiont:</b> | 0,4   | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 4,6           | <b>Acidofil:</b>   | 20,2  | <b>Odefinierad:</b>   | 0    |

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# Västerån Gångbron

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)    | Deforma-<br>tioner | Typ av<br>deformation |      |                       |     |
|--|------------|--------------|--------------------|-----------------------|------|-----------------------|-----|
| Achnanthidium minutissimum   | 36         | 8,02         |                    |                       |      |                       |     |
| Brachysira brebissonii Ross in Hartley   | 7          | 1,56         |                    |                       |      |                       |     |
| Brachysira neoexilis Lange-Bertalot  | 12         | 2,67         |                    |                       |      |                       |     |
| Eunotia formica Ehrenberg sensu stricto var. formica   | 3          | 0,67         |                    |                       |      |                       |     |
| Eunotia implicata Nörpel Lange-Bertalot et Alles   | 12         | 2,67         |                    |                       |      |                       |     |
| Eunotia incisa Gregory var. incisa   | 2          | 0,45         |                    |                       |      |                       |     |
| Eunotia meisterioides Lange-Bertalot   | 2          | 0,45         |                    |                       |      |                       |     |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella                 | 12         | 2,67         |                    |                       |      |                       |     |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera                                      | 18         | 4,01         |                    |                       |      |                       |     |
| Frustulia saxonica Rabenhorst var. saxonica  | 2          | 0,45         |                    |                       |      |                       |     |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                                     | 4          | 0,89         |                    |                       |      |                       |     |
| Navicula cryptocephala Kützing var. cryptocephala  | 2          | 0,45         |                    |                       |      |                       |     |
| Navicula rhychocephala Kützing var. rhychocephala  | 7          | 1,56         |                    |                       |      |                       |     |
| Psammothidium abundans (Manguin in Bourrelly et Manguin) Bukhtiyarova et Round var. abundans | 2          | 0,45         |                    |                       |      |                       |     |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa   | 326        | 72,61        |                    |                       |      |                       |     |
| Ulnaria ulna (Nitzsch) Compère var. ulna   | 2          | 0,45         |                    |                       |      |                       |     |
| <b>Totalt</b>  | <b>449</b> |              |                    |                       |      |                       |     |
| <b>Antal taxa:</b>   | 16         | <b>IPS:</b>  | 19,4               | <b>ADMI:</b>          | 8,02 | <b>Circumneutral:</b> | 9,8 |
| <b>Diversitet:</b>   | 1,74       | <b>TDI:</b>  | 22,42              | <b>EUNO:</b>          | 6,90 | <b>Alkalifil:</b>     | 2,0 |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b>  | 0                  | <b>Acidobiont:</b>    | 0,4  | <b>Alkalibiont:</b>   | 0   |
|  |            | <b>ACID:</b> | 3,31               | <b>Acidofil:</b>      | 87,8 | <b>Odefinierad:</b>   | 0   |

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# Västerån Uppåkra

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)    | Deforma-<br>tioner | Typ av<br>deformation |       |                       |      |
|--|------------|--------------|--------------------|-----------------------|-------|-----------------------|------|
| Achnanthydium minutissimum   | 179        | 38,41        |                    |                       |       |                       |      |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                   | 19         | 4,08         |                    |                       |       |                       |      |
| Brachysira brebissonii Ross in Hartley                                       | 20         | 4,29         |                    |                       |       |                       |      |
| Encyonopsis minuta Krammer & Reichardt                                       | 2          | 0,43         |                    |                       |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                           | 12         | 2,58         |                    |                       |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                         | 155        | 33,26        |                    |                       |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                             | 7          | 1,50         |                    |                       |       |                       |      |
| Eunotia incisa Gregory var. incisa   | 8          | 1,72         |                    |                       |       |                       |      |
| Eunotia minor (Kützing) Grunow in Van Heurck                                 | 4          | 0,86         |                    |                       |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella | 8          | 1,72         |                    |                       |       |                       |      |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera                      | 2          | 0,43         |                    |                       |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica                                  | 8          | 1,72         |                    |                       |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                     | 8          | 1,72         |                    |                       |       |                       |      |
| Navicula cryptocephala Kützing var. cryptocephala                            | 4          | 0,86         |                    |                       |       |                       |      |
| Navicula rhynchocephala Kützing var. rhynchocephala                          | 2          | 0,43         |                    |                       |       |                       |      |
| Nitzschia palea (Kützing) W.Smith var. palea                                 | 2          | 0,43         |                    |                       |       |                       |      |
| Nupela impexiformis (Lange-Bertalot) Lange-Bertalot                          | 2          | 0,43         |                    |                       |       |                       |      |
| Psammothidium altaicum (Poretzky) Bukhtiyarova in Bukhtiyarova & Round       | 4          | 0,86         |                    |                       |       |                       |      |
| Rossetidium petersenii (Hustedt) Round & Bukhtiyarova                        | 4          | 0,86         |                    |                       |       |                       |      |
| Stausira brevistriata (Grunow) Grunow  | 6          | 1,29         |                    |                       |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                         | 10         | 2,15         |                    |                       |       |                       |      |
| <b>Totalt</b>  | <b>466</b> |              |                    |                       |       |                       |      |
| <b>Antal taxa:</b>   | 21         | <b>IPS:</b>  | 19,2               | <b>ADMI:</b>          | 38,41 | <b>Circumneutral:</b> | 42,3 |
| <b>Diversitet:</b>   | 2,68       | <b>TDI:</b>  | 10,97              | <b>EUNO:</b>          | 41,63 | <b>Alkalifil:</b>     | 2,1  |
| <b>Deformationer (%):</b>  | 0          | <b>%PT:</b>  | 0,4                | <b>Acidobiont:</b>    | 1,7   | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 3,37               | <b>Acidofil:</b>      | 49,4  | <b>Odefinierad:</b>   | 0    |

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## Yxabäcken Hökagården

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)    | Deformationer | Typ av deformation |       |                       |      |
|--|------------|--------------|---------------|--------------------|-------|-----------------------|------|
| Achnanthydium minutissimum   | 30         | 7,48         |               |                    |       |                       |      |
| Aulacoseira distans var. tenella (Nygaard) Ross in Hartley                   | 5          | 1,25         |               |                    |       |                       |      |
| Aulacoseira granulata (Ehrenberg) Simonsen (emend Genkal)                    | 2          | 0,50         |               |                    |       |                       |      |
| Brachysira brebissonii Ross in Hartley                                       | 2          | 0,50         |               |                    |       |                       |      |
| Cyclotella bodanica Eulenstein in Grunow                                     | 1          | 0,25         |               |                    |       |                       |      |
| Cymbella cistula (Hemprich in Hemprich et Ehrenberg) Kirchner var. cistula   | 2          | 0,50         |               |                    |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                           | 4          | 1,00         |               |                    |       |                       |      |
| Eunotia exigua (Brébisson ex Kützing) Rabenhorst var. exigua                 | 2          | 0,50         |               |                    |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                         | 286        | 71,32        |               |                    |       |                       |      |
| Eunotia incisa Gregory var. incisa   | 10         | 2,49         | 2             | onormal form       |       |                       |      |
| Eunotia serra Ehrenberg var. serra   | 2          | 0,50         |               |                    |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella | 4          | 1,00         |               |                    |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina                                | 2          | 0,50         |               |                    |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica                                  | 21         | 5,24         |               |                    |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                     | 4          | 1,00         |               |                    |       |                       |      |
| Navicula rhynchocephala Kützing var. rhynchocephala                          | 2          | 0,50         |               |                    |       |                       |      |
| Navicula sp.   | 2          | 0,50         |               |                    |       |                       |      |
| Pinnularia interrupta W.M.Smith var. interrupta                              | 4          | 1,00         |               |                    |       |                       |      |
| Pinnularia viridis (Nitzsch) Ehrenberg                                       | 2          | 0,50         |               |                    |       |                       |      |
| Psammothidium scoticum (Flower & Jones) Bukhtiyarova et Round                | 1          | 0,25         |               |                    |       |                       |      |
| Psammothidium sp.  | 2          | 0,50         |               |                    |       |                       |      |
| Staurosira brevistriata (Grunow) Grunow                                      | 2          | 0,50         |               |                    |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                         | 9          | 2,24         |               |                    |       |                       |      |
| <b>Totalt</b>  | <b>401</b> |              |               |                    |       |                       |      |
| <b>Antal taxa:</b>   | 23         | <b>IPS:</b>  | 19,6          | <b>ADMI:</b>       | 7,48  | <b>Circumneutral:</b> | 10,5 |
| <b>Diversitet:</b>   | 1,91       | <b>TDI:</b>  | 2,9           | <b>EUNO:</b>       | 76,81 | <b>Alkalifil:</b>     | 2,2  |
| <b>Deformationer (%):</b>  | 0.4        | <b>%PT:</b>  | 0             | <b>Acidobiont:</b> | 5,7   | <b>Alkalibiont:</b>   | 0    |
|  |            | <b>ACID:</b> | 2,39          | <b>Acidofil:</b>   | 79,3  | <b>Odefinierad:</b>   | 0    |

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# Älgabäcken vägbro

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-22

| Taxa  | Antal      | Andel (%)    | Deforma-<br>tioner | Typ av<br>deformation |       |                       |      |
|---|------------|--------------|--------------------|-----------------------|-------|-----------------------|------|
| Achnanthydium minutissimum  | 95         | 23,69        |                    |                       |       |                       |      |
| Brachysira brebissonii Ross in Hartley  | 10         | 2,49         |                    |                       |       |                       |      |
| Cymbella naviculiformis Auerswald ex Heiberg var. naviculiformis                    | 6          | 1,50         |                    |                       |       |                       |      |
| Encyonema minutum (Hilse in Rabh.) D.G. Mann in Round Crawford et Mann var. minutum | 4          | 1,00         |                    |                       |       |                       |      |
| Encyonema neogracile Krammer var. neogracile  | 6          | 1,50         |                    |                       |       |                       |      |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris                                  | 4          | 1,00         |                    |                       |       |                       |      |
| Eunotia formica Ehrenberg sensu stricto var. formica                                | 27         | 6,73         |                    |                       |       |                       |      |
| Eunotia implicata Nörpel Lange-Bertalot et Alles                                    | 107        | 26,68        |                    |                       |       |                       |      |
| Eunotia incisa Gregory var. incisa  | 10         | 2,49         |                    |                       |       |                       |      |
| Eunotia minor (Kützing) Grunow in Van Heurck  | 4          | 1,00         |                    |                       |       |                       |      |
| Eunotia praerupta Ehrenberg   | 10         | 2,49         |                    |                       |       |                       |      |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella        | 4          | 1,00         |                    |                       |       |                       |      |
| Fragilaria capucina Desmazieres var. capucina                                       | 2          | 0,50         |                    |                       |       |                       |      |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera                             | 14         | 3,49         |                    |                       |       |                       |      |
| Frustulia saxonica Rabenhorst var. saxonica   | 22         | 5,49         |                    |                       |       |                       |      |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt                            | 16         | 3,99         |                    |                       |       |                       |      |
| Kobayasiella micropunctata (Germain) Lange-Bertalot                                 | 2          | 0,50         |                    |                       |       |                       |      |
| Nupela impexiformis (Lange-Bertalot) Lange-Bertalot                                 | 10         | 2,49         |                    |                       |       |                       |      |
| Pinnularia interrupta W.M.Smith var. interrupta                                     | 22         | 5,49         |                    |                       |       |                       |      |
| Pinnularia viridis (Nitzsch) Ehrenberg  | 2          | 0,50         |                    |                       |       |                       |      |
| Rossethidium petersenii (Hustedt) Round & Bukhtiyarova                              | 14         | 3,49         |                    |                       |       |                       |      |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa                                | 10         | 2,49         |                    |                       |       |                       |      |
| <b>Totalt</b>   | <b>401</b> |              |                    |                       |       |                       |      |
| <b>Antal taxa:</b>  | 22         | <b>IPS:</b>  | 19,4               | <b>ADMI:</b>          | 23,69 | <b>Circumneutral:</b> | 40,1 |
| <b>Diversitet:</b>  | 3,47       | <b>TDI:</b>  | 9,08               | <b>EUNO:</b>          | 41,40 | <b>Alkalifil:</b>     | 0    |
| <b>Deformationer (%):</b>   | 0          | <b>%PT:</b>  | 0                  | <b>Acidobiont:</b>    | 6     | <b>Alkalibiont:</b>   | 0    |
|   |            | <b>ACID:</b> | 3,28               | <b>Acidofil:</b>      | 51,4  | <b>Odefinierad:</b>   | 0    |

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# Österån Kvarnagärde

Det.: Sofia Holmgren, Pelagia Nature &amp; Environment AB

Provtagningsdatum: 2021-09-23

| Taxa   | Antal      | Andel (%)         | Deforma-<br>tioner     | Typ av<br>deformation      |
|--|------------|-------------------|------------------------|----------------------------|
| Achnanthydium minutissimum   | 70         | 15,66             |                        |                            |
| Amphora inariensis Krammer   | 2          | 0,45              |                        |                            |
| Brachysira brebissonii Ross in Hartley   | 6          | 1,34              |                        |                            |
| Brachysira neoexilis Lange-Bertalot  | 14         | 3,13              |                        |                            |
| Chamaepinnularia mediocris (Kraske) Lange-Bertalot in Lange-Bertalot et Metzeltin var. mediocris | 2          | 0,45              |                        |                            |
| Cymbella proxima Reimer in Patrick et Reimer var. proxima  | 2          | 0,45              |                        |                            |
| Encyonema neogracile Krammer var. neogracile   | 2          | 0,45              |                        |                            |
| Eunotia bilunaris (Ehrenberg) Mills var. bilunaris   | 6          | 1,34              |                        |                            |
| Eunotia implicata Nörpel Lange-Bertalot et Alles   | 6          | 1,34              | 2                      | onormal form               |
| Eunotia incisa Gregory var. incisa   | 4          | 0,89              |                        |                            |
| Eunotia tenella (Grunow in Van Heurck) Hustedt in Schmidt et al var. tenella                     | 4          | 0,89              |                        |                            |
| Fragilaria tenera (W. Smith) Lange-Bertalot var. tenera  | 6          | 1,34              |                        |                            |
| Frustulia saxonica Rabenhorst var. saxonica  | 30         | 6,71              |                        |                            |
| Gomphonema acuminatum Ehrenberg var. acuminatum  | 4          | 0,89              |                        |                            |
| Gomphonema exilissimum(Grun.) Lange-Bertalot & Reichardt   | 36         | 8,05              |                        |                            |
| Navicula cryptocephala Kützing var. cryptocephala  | 2          | 0,45              |                        |                            |
| Navicula rhynchocephala Kützing var. rhynchocephala  | 6          | 1,34              |                        |                            |
| Nitzschia dissipata subsp. dissipata (Kützing) Grunow var. dissipata                             | 2          | 0,45              |                        |                            |
| Nupela impexiformis (Lange-Bertalot) Lange-Bertalot  | 2          | 0,45              |                        |                            |
| Pinnularia viridis (Nitzsch) Ehrenberg   | 4          | 0,89              |                        |                            |
| Rossethidium petersenii (Hustedt) Round & Bukhtiyarova   | 4          | 0,89              |                        |                            |
| Tabellaria flocculosa (Roth) Kützing var. flocculosa   | 229        | 51,23             |                        |                            |
| Ulnaria ulna (Nitzsch) Compère var. ulna   | 4          | 0,89              |                        |                            |
| <b>Totalt</b>  | <b>447</b> |                   |                        |                            |
| <b>Antal taxa:</b>   | 23         | <b>IPS:</b> 19,3  | <b>ADMI:</b> 15,66     | <b>Circumneutral:</b> 48,3 |
| <b>Diversitet:</b>   | 2,65       | <b>TDI:</b> 22,58 | <b>EUNO:</b> 4,47      | <b>Alkalifil:</b> 0,5      |
| <b>Deformationer (%):</b>  | 0.2        | <b>%PT:</b> 0     | <b>Acidobiont:</b> 1,5 | <b>Alkalibiont:</b> 0      |
|  |            | <b>ACID:</b> 3,99 | <b>Acidofil:</b> 47,5  | <b>Odefinierad:</b> 0      |

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