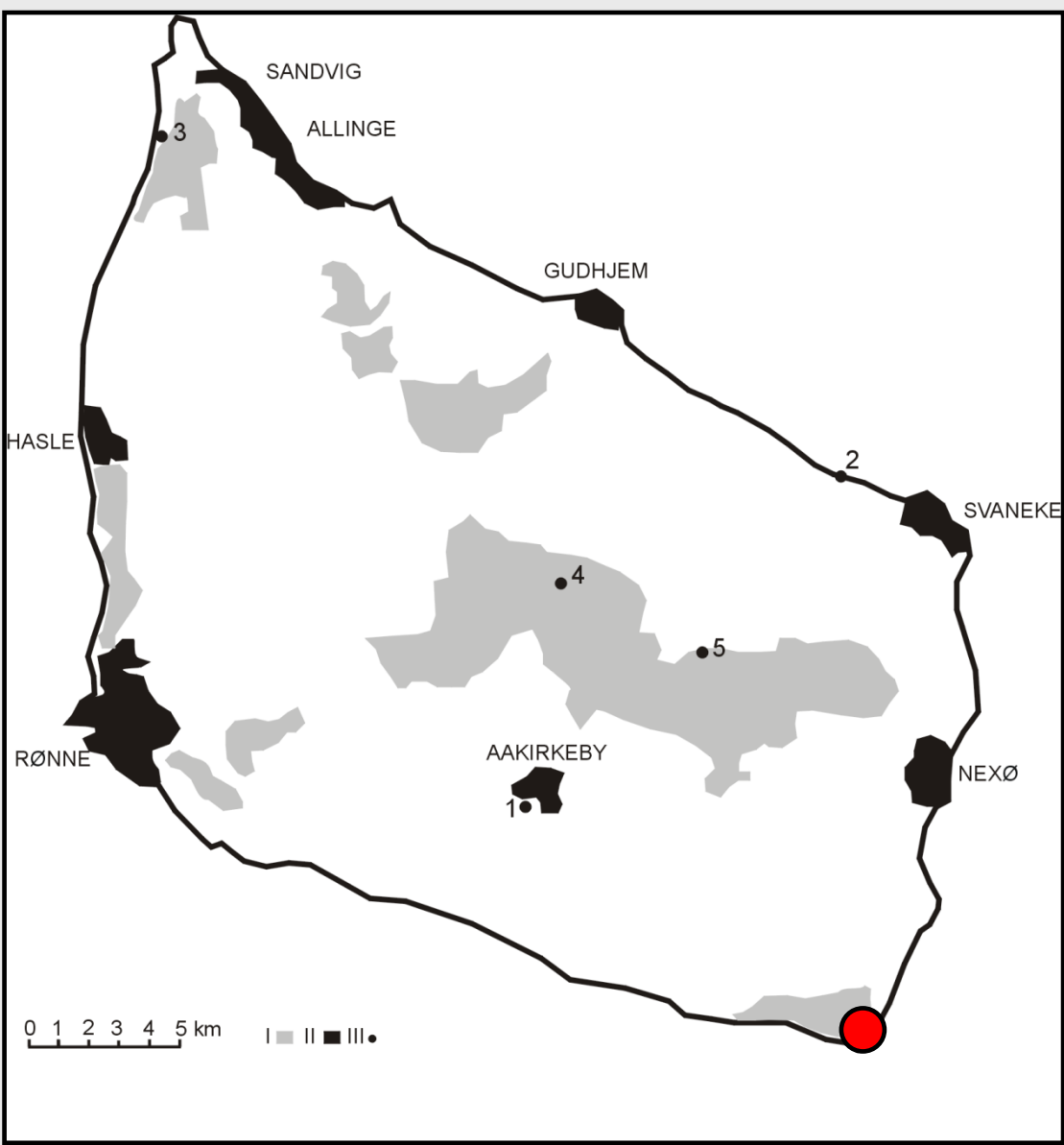


Species richness of cyanobacteria and eucaryotic algae in the deflated fields

-The deflated fields among sand-hills (Dueodde)

Burchardt Lubomira, Kowalski Wojciech W. A., Banach Barbara, Czernaś Krzysztof, Dembowska Ewa, Gąbka Maciej, Jaworska Bożena, Komarzewska Katarzyna, Lamentowicz Łukasz, Luścińska Marta, Matuła Jan, Messyas Beata, Owsianny M. Paweł , Pęczęła Wojciech, Poniewozik Małgorzata, Rakowska Barbara, Richter Dorota, Rybak Andrzej, Szczepocka Ewelina, Szczurowska Agnieszka and Wołowski Konrad



The values of chemical parameters of water of the examined ecosystem

Średnia głębokość wody w płacie	Depth [m]	-
Widzialność	Secchi depth [m]	-
Chlorofil (a)	Chl-a [ug/l]	5,35
Barwa	Colour [mg Pt dm ⁻³]	32
pH	pH	-
Nasylenie tlenem	O ₂ [%]	-
Tlen rozpuszczony	O ₂ [mg/l]	-
Przewodnictwo elektrolit.	Conductivity [uS cm ⁻¹]	-
Azot amonowy	NH ₄ [mg/l]	0,26
Azot azotanowy	NO ₃ [mg/l]	0,200
Fosfor reaktywny	PO ₄ [mg/l]	0,040
temperatura	Temp. [°C]	-
Siarczany	SO ₄ [mg/l]	9
Chlorki	Cl [mg/l]	19

Communities of algae and cyanobacteria

Number of taxa	Number of algae groups represented by the most numerous taxa	Number of the most numerous taxa
127	5	58

<i>Cyanophyceae</i>	7
<i>Bacillariophyceae</i>	8
<i>Chrysophyceae</i>	2
<i>Euglenophyceae</i>	5
<i>Chlorophyta</i>	36

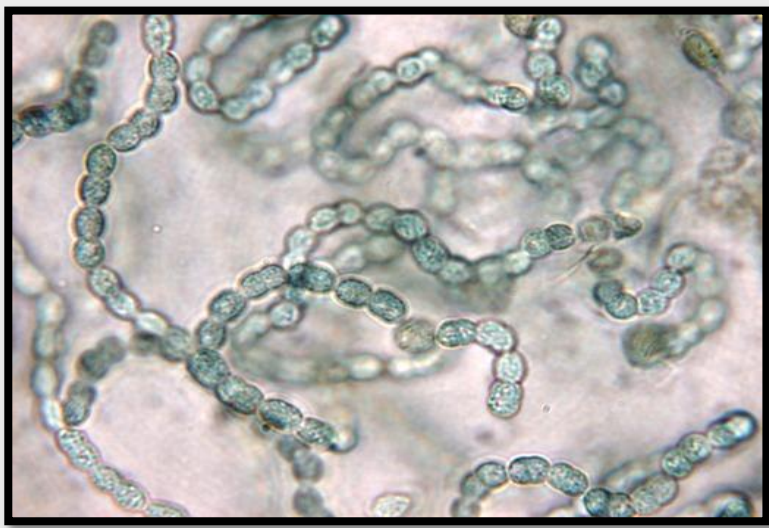
Species from the examined ecosystem



Merismopedia glauca



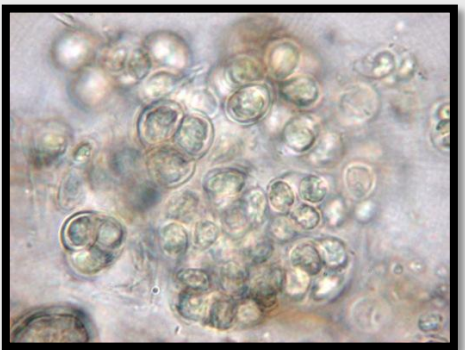
Anabaena inaequalis



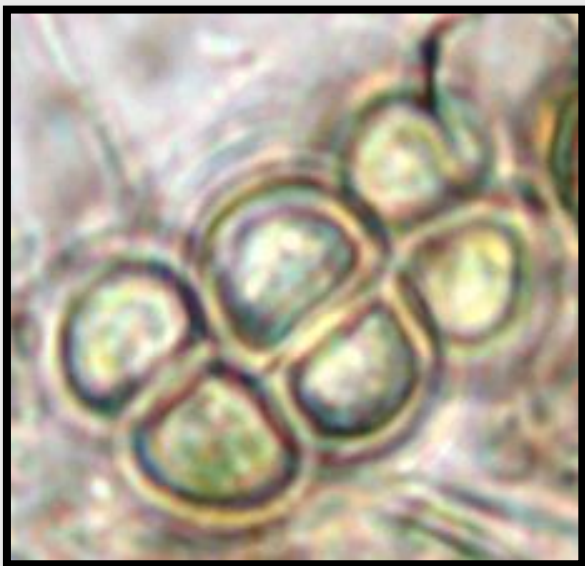
Nostoc paludosum



Gloeocapsa sp.



Gloeocapsa decorticans



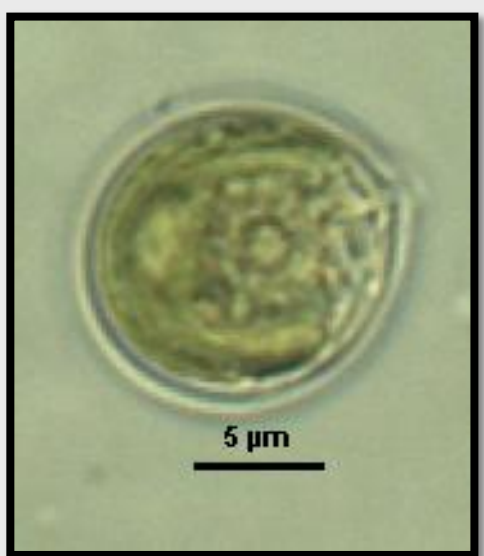
Gloeocapsa granosa



Closterium cynthia



Trachelomonas rugulosa



Chlamydomonas sp.



Microthamnion strictissimum f. macrocystis



Asterococcus superbus



Aphanochaete repens



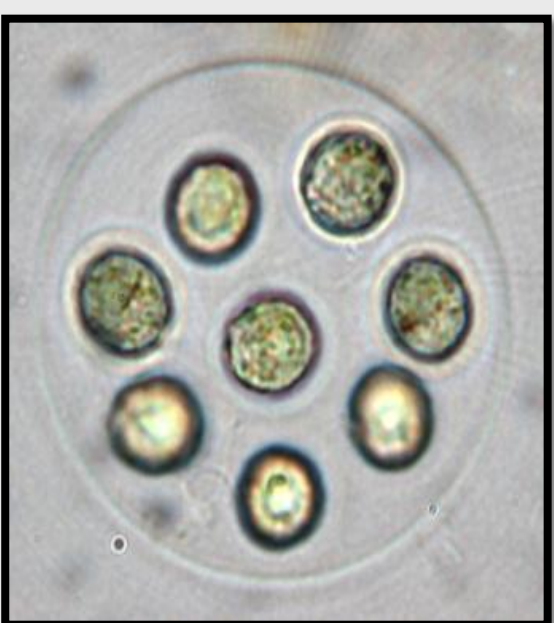
Muriella cf. spongiochloris



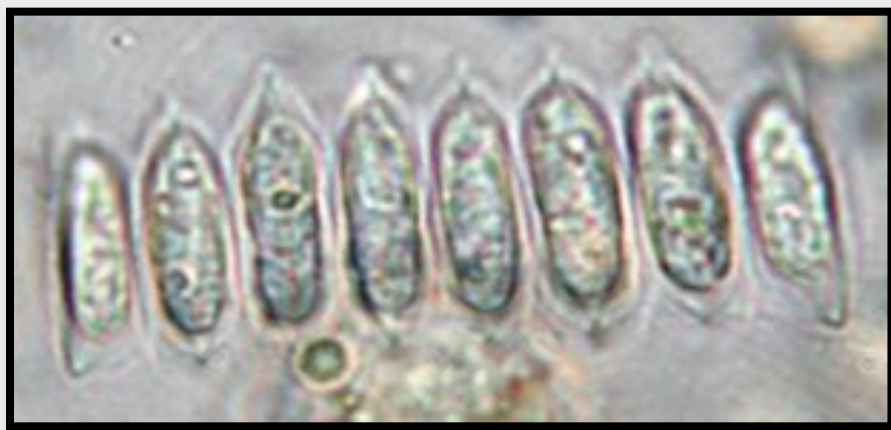
Cosmoastrum brebissonii



Euastrum binale



Eutetramorus fottii



Enallax acutiformis



Coenochloris mucosa

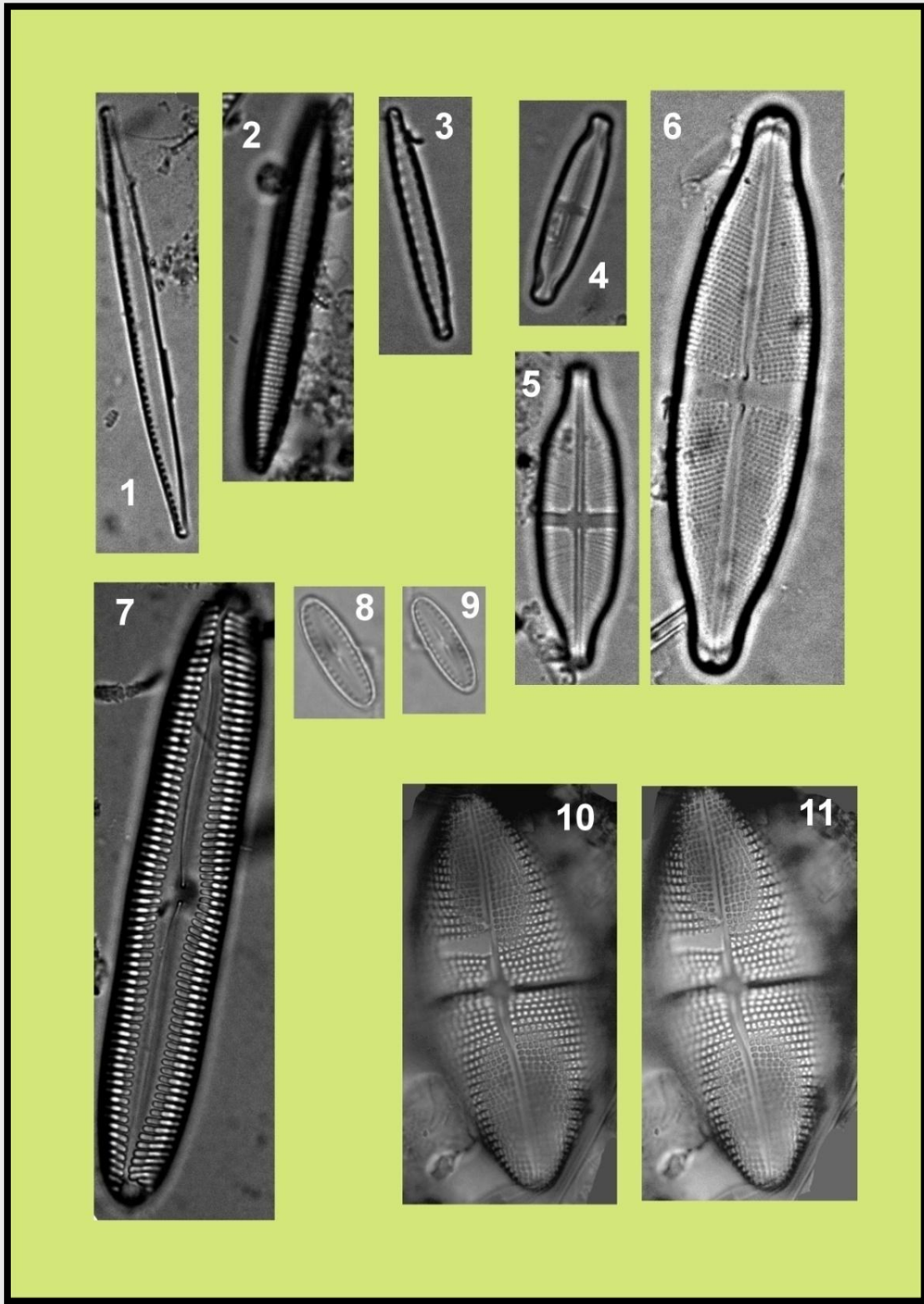


Fig. 1 Nitzschia incognita
Fig. 2 Nitzschia amphibia f. umbrosa
Fig. 3 Nitzschia hantzschiana
Fig. 4 Stauroneis kriegeri
Fig. 5 Stauroneis producta
Fig. 6 Stauroneis obtuse
Fig. 7 Pinnularia gibba
Fig. 8, 9 Navicula sp. i Pinnularia sp.
Fig. 10, 11 Achnathes brevipes