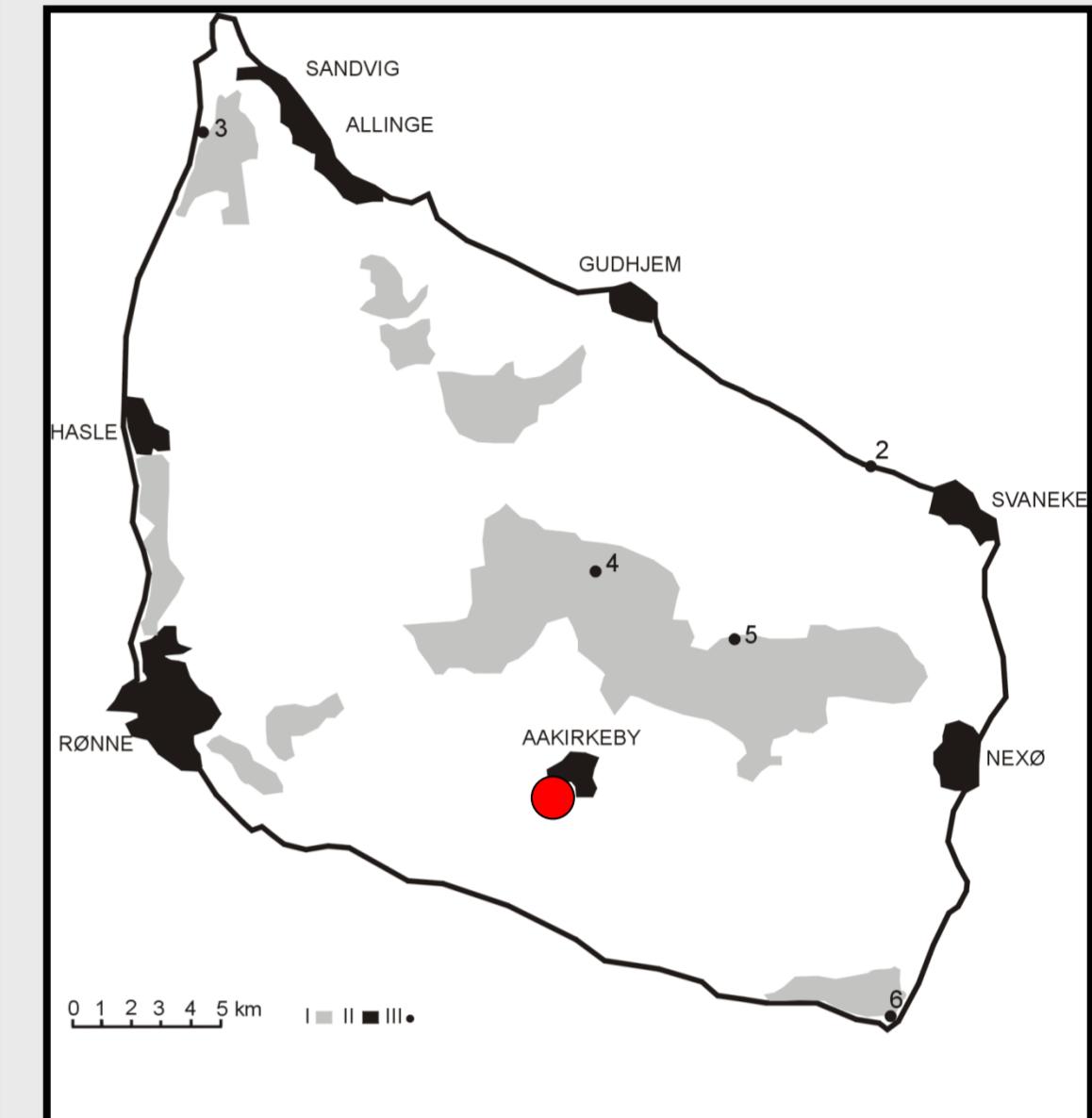


# Species richness of cyanobacteria and eucaryotic algae in the tectonic fault

## - a hollow situated by the tectonic fault (Klintebakken)

Burchardt Lubomira, Kowalski Wojciech W.A., Banach Barbara, Czernaś Krzysztof, Dembowska Ewa, Gąbka Maciej, Jaworska Bożena, Komarzewska Katarzyna, Lamentowicz Łukasz, Luścińska Marta, Matuła Jan, Messyasz Beata, Owianny M. Paweł, Pęczuła Wojciech, Poniewozik Małgorzata, Rakowska Barbara, Richter Dorota, Rybak Andrzej, Szczepocka Ewelina, Szczerowska 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]	35,6
Barwa	Colour [mg Pt dm <sup>-3</sup> ]	45
pH	pH	6,6
Nasycenie tlenem	O <sub>2</sub> [%]	8,0
Tlen rozpuszczony	O <sub>2</sub> [mg/l]	0,7
Przewodnictwo elektrolit.	Conductivity [uS cm <sup>-1</sup> ]	331
Azot amonowy	NH <sub>4</sub> [mg/l]	0,33
Azot azotanowy	NO <sub>3</sub> [mg/l]	0,30
Fosfor reaktywny	PO <sub>4</sub> [mg/l]	0,03
Temperatura	Temp. [°C]	13,6
Siarczany	SO <sub>4</sub> [mg/l]	7,0
Chlorki	Cl [mg/l]	30,0

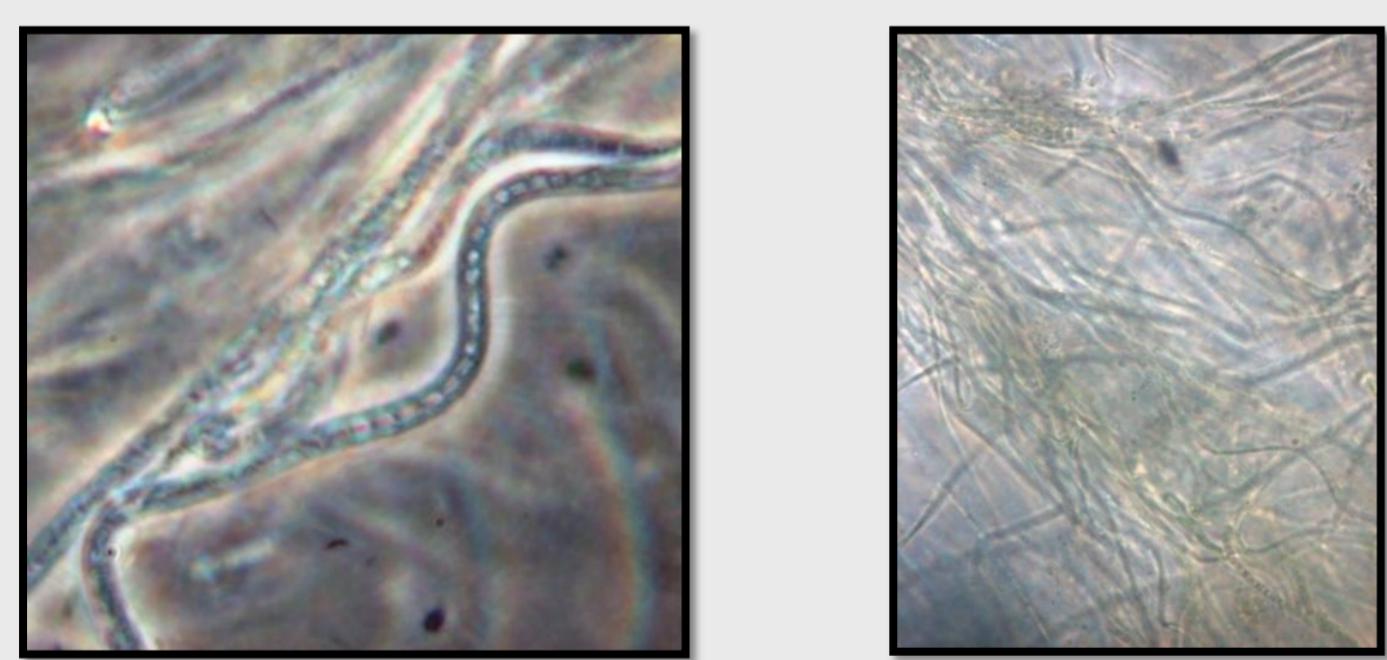
Communities of algae and cyanobacteria

Number of taxa	Number of algal groups represented by the most numerous taxa	Number of the most numerous taxa
255	3	11

Cyanophyceae	4
Bacillariophyceae	5
Chrysophyceae	-
Euglenophyceae	2
Chlorophyta	-

The most numerous taxa	Other numerous taxa	Accompanying taxa
<i>Leptolyngbya boryana</i> Anagn. et Kom.	<i>Aphanocapsa parasitica</i> W. et G. S. West	<i>Ankistrodesmus densus</i> Korshikov
	<i>Nostoc paludosum</i> Kütz.	<i>Aphanothece stegnina</i> (Sprengel) A. Braun
	<i>Tolyphothrix distorta</i> (Fl. Dan.) Kütz.	<i>Sorastrum spinulosum</i> Nägeli
	<i>Trachelomonas intermedia</i> fo. <i>intermedia</i>	
		<i>Trachelomonas intermedia</i> var. <i>crenulatocollis</i>

Species from the examined ecosystem



*Leptolyngbya boryana*



*Calothrix fusca*



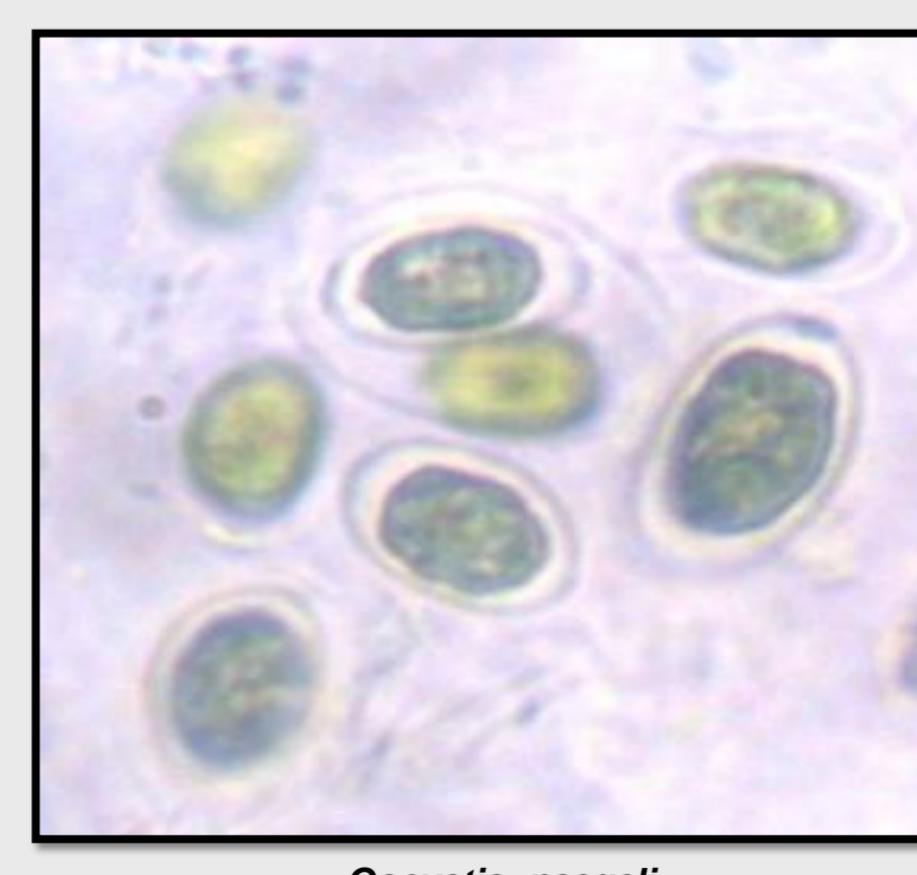
*Trachelomonas intermedia* fo. *intermedia*



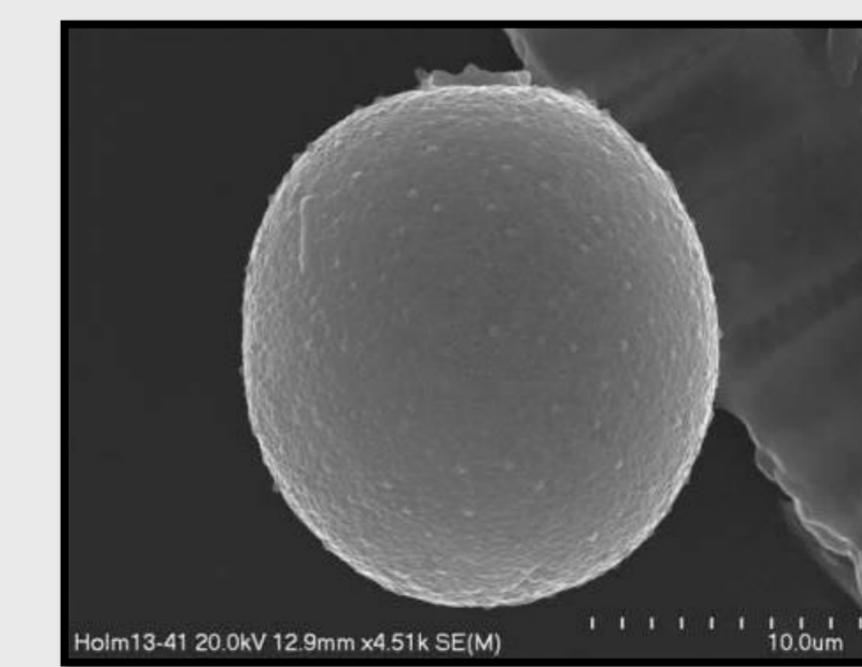
*Nostoc paludosum*



*Tolypothrix distorta*



*Oocystis naegeli*



*Trachelomonas intermedia* var. *crenulatocollis*



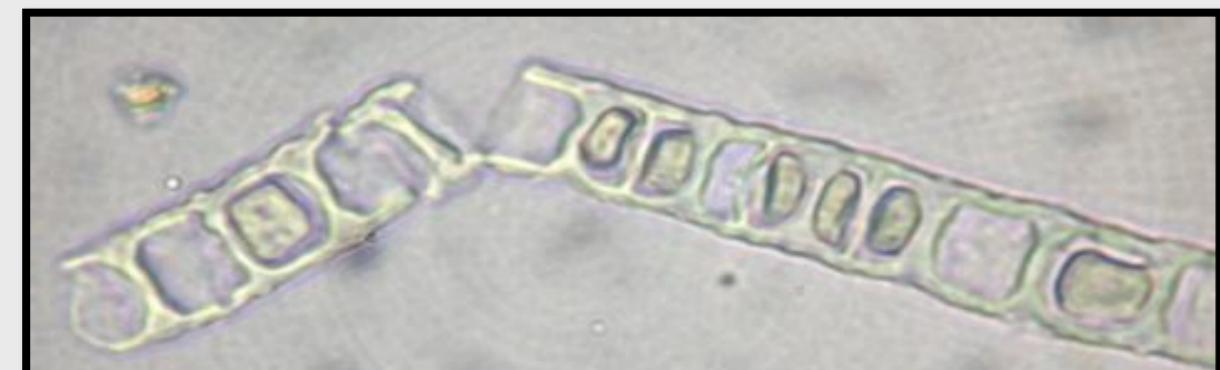
*Eutetramorus plancticus*



*Chroococcus schizodermaticus*

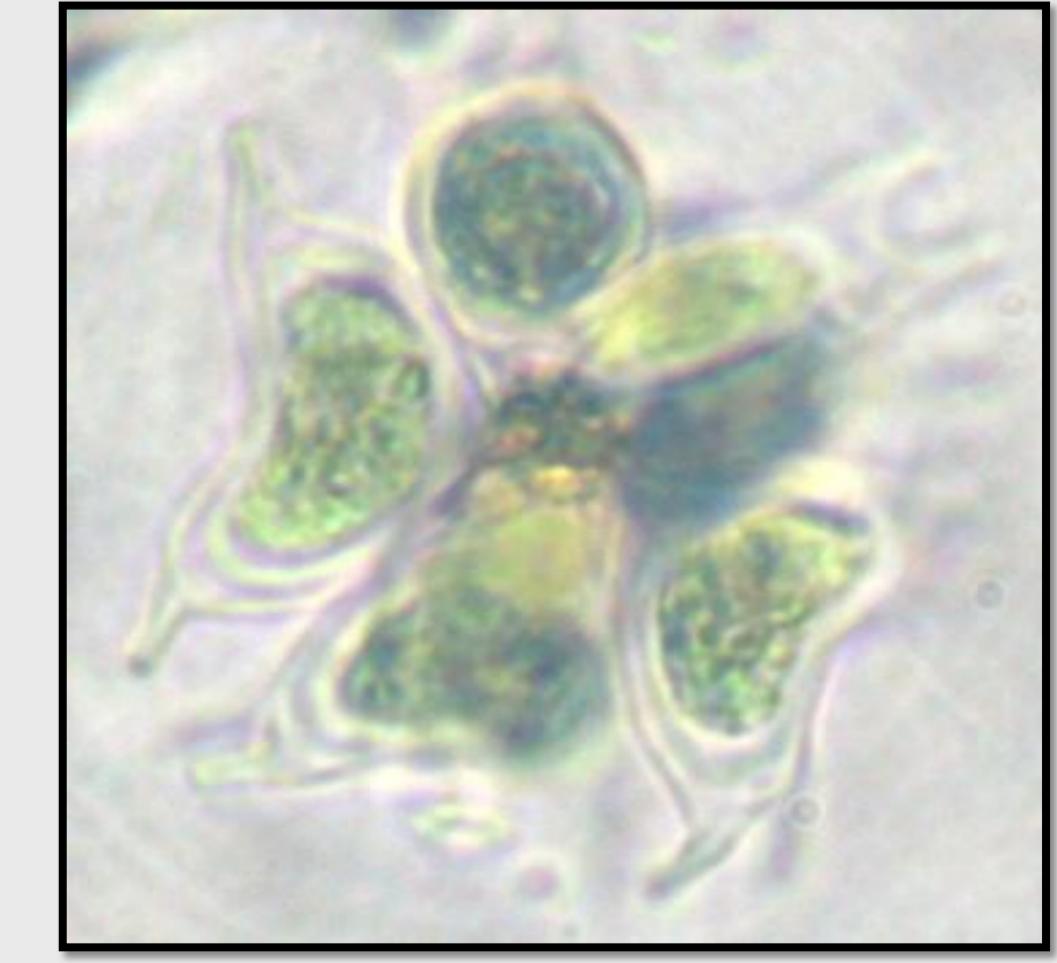


cf. *Gloeocystis*



*Microspora palustris* Wichman var. *palustris*

*Asterococcus superbus*



*Sorastrum spinulosum*