

Spatial and temporal distribution of planktonic protists in the East Greenland fjord and offshore waters

D. W. Krawczyk*, K. E. Arendt, T. Juul-Pedersen, M. K. Sejr, M. E. Blicher, H. H. Jakobsen

*Corresponding author: dikr@natur.gl

Marine Ecology Progress Series 538: 99–116 (2015)

Supplement.

Sampling stations and dates with measured variables. 'Regional waters' represent averaged values from each transect.

SPATIAL DATA - NET HAULS (AVR 0-60 M)									
Region	Sampling station	Nitrate plus nitrite (μM)	Phosphate (μM)	Silicic acid (μM)	Latitude N	Salinity	Temp. ($^{\circ}\text{C}$)	'Regional waters'	
								Avr sal.	Avr temp. ($^{\circ}\text{C}$)
Inner Young Sound	TYRO 01	0.57	0.98	8.35	74°35'	30.14	-0.60	-0.53	30.24
	TYRO 05	0.33	0.13	6.02	74°30'	30.34	-0.47		
Mid Young Sound	TYRO 10	0.54	0.14	5.51	74°26'	30.78	-0.19	-0.31	30.92
	TYRO 13	0.07	0.48	4.11	74°28'	30.65	-0.19		
	YS 3.18	0.39	0.11	4.33	74°26'	30.94	-0.40		
	YS 3.12	0.30	0.55	4.48	74°23'	30.99	-0.35		
	std.DNB	0.51	0.63	3.28	74°18'	31.39	-0.70		
	YS 3.02	0.46	0.33	3.88	74°14'	30.75	-0.01		
Outer Young Sound	GH 05	0.33	0.84	2.50	74°10'	31.75	-1.19	-1.08	31.70
	GH 08	<0.03	0.73	2.52	74°07'	31.66	-0.97		
Greenland Shelf	4.03	2.34	0.64	6.86	71°32'	30.85	-0.85	-0.85	31.13
	4.05	2.18	0.70	5.16	71°04'	31.41	-0.86		
Greenland Sea	3.01	2.29	0.31	2.11	72°57'	33.30	1.37	0.68	33.19
	3.02	3.14	0.44	2.71	73°12'	33.05	0.81		
	3.04	2.71	0.36	2.90	73°24'	33.22	-0.14		
Mid Denmark Strait	1.10	0.08	0.46	2.26	67°59'	31.53	2.33	0.55	32.17
	1.13	no data	no data	no data	67°09'	31.92	1.27		
	1.14	4.46	0.62	4.06	66°55'	32.90	-1.18		
	6.01	no data	no data	no data	68°30'	30.99	1.31		
	6.07	no data	no data	no data	67°32'	33.52	-0.95		

SPATIAL DATA - WATER BOTTLES									
Region	Sampling station with water depth	Nitrate plus nitrite (μM)	Phosphate (μM)	Silicic acid (μM)	Latitude N	Salinity	Temp. ($^{\circ}\text{C}$)	'Regional waters'	
								Avr sal.	Avr temp. ($^{\circ}\text{C}$)
Inner Young Sound	TYRO 01 5m	0.50	0.73	14.08	74°35'	29.36	1.82	1.56	29.73
	TYRO 05 5m	0.20	<0.02	11.07	74°30'	30.10	1.31		
Mid Young Sound	TYRO 10 5m	<0.03	<0.02	7.13	74°26'	30.38	2.81	0.64	30.95
	TYRO 10 20m	<0.03	0.16	4.02	74°26'	31.88	-0.98		
	TYRO 13 5m	<0.03	0.43	2.22	74°28'	30.26	2.58		
	TYRO 13 20m	<0.03	0.55	3.35	74°28'	31.81	-0.87		
	YS 3.18 5m	<0.03	0.01	2.91	74°26'	30.29	2.06		
	YS 3.18 30m	<0.03	0.18	3.85	74°26'	31.86	-1.46		
	YS 3.12 5m	<0.03	0.36	2.06	74°23'	29.98	3.12		
	YS 3.12 20m	<0.03	0.66	4.14	74°23'	31.76	-0.89		
	std.DNB 5m	<0.03	0.11	2.50	74°18'	30.94	0.51		
	std.DNB 30m	<0.03	0.67	3.03	74°18'	31.82	-1.15		
	YS 3.02 5m	<0.03	0.51	1.80	74°14'	28.46	3.39		
	YS 3.02 20m	0.52	0.75	4.15	74°14'	32.00	-1.43		
Outer Young Sound	GH 05 5m	<0.03	0.64	1.73	74°10'	30.99	-0.43	-0.81	31.42
	GH 05 30m	<0.03	0.78	1.65	74°10'	31.96	-1.57		
	GH 08 5m	<0.03	0.53	1.15	74°07'	31.10	-0.23		
	GH 08 20m	<0.03	0.72	1.35	74°07'	31.65	-1.00		
Greenland Shelf	4.03 10m	0.08	0.38	2.91	71°32'	30.60	-0.31	-0.62	31.11
	4.03 32m	3.01	0.76	7.52	71°32'	32.56	-1.29		
	4.05 5m	0.13	0.46	1.95	71°04'	29.13	0.53		
	4.05 32m	3.77	0.92	7.51	71°04'	32.13	-1.43		
Greenland Sea	3.01 10m	0.08	0.11	1.99	72°57'	32.31	2.87	1.14	32.92
	3.01 32m	2.20	0.37	1.28	72°57'	34.29	-0.31		
	3.02 10m	0.12	0.16	2.49	73°12'	31.86	1.81		
	3.02 30m	2.08	0.36	1.86	73°12'	33.65	0.21		
	3.04 10m	0.11	0.23	1.41	73°24'	32.03	0.01		
	3.04 25m	0.32	0.17	1.48	73°24'	33.35	2.23		
Mid Denmark Strait	1.10 10m	0.13	0.56	1.56	67°59'	31.09	4.38	2.46	31.26
	1.10 40m	0.15	0.43	2.80	67°59'	31.83	0.31		
	1.13 5m	no data	no data	no data	67°09'	30.09	3.74		
	1.13 25m	no data	no data	no data	67°09'	31.22	1.61		
	1.14 5m	0.15	0.27	1.35	66°55'	31.75	4.36		
	1.14 32m	3.59	0.70	4.24	66°55'	32.97	-0.75		
	6.01 5m	no data	no data	no data	68°30'	30.17	3.42		
	6.01 30m	no data	no data	no data	68°30'	31.67	0.48		
	6.07 10m	no data	no data	no data	67°32'	30.32	3.94		
6.07 33m	no data	no data	no data	67°32'	31.49	3.11			

TIME SERIES DATA - NET HAULS (AVR 0-60 M)									
Region	Sampling date	Nitrate plus nitrite (μM)	Phosphate (μM)	Silicic acid (μM)	Latitude N	Salinity	Temp. ($^{\circ}\text{C}$)	-	-
Mid Young Sound	31-07-2009	0.47	0.41	3.00	74°18'	31.26	-0.59	-	-
	08-08-2009	0.46	0.34	2.61	74°18'	31.21	-0.32	-	-
	15-08-2009	0.56	0.51	0.32	74°18'	31.32	-0.48	-	-
	28-07-2010	0.74	0.07	1.97	74°18'	31.99	-1.19	-	-
	05-08-2010	0.43	0.17	1.91	74°18'	30.55	-0.44	-	-
	13-08-2010	0.56	0.23	3.00	74°18'	32.07	-0.83	-	-
	29-07-2011	0.43	0.46	2.21	74°18'	30.94	-0.72	-	-
	05-08-2011	0.36	0.49	2.39	74°18'	30.48	-0.36	-	-
	14-08-2011	0.35	0.57	2.19	74°18'	31.03	-0.69	-	-
	28-07-2012	0.29	0.55	4.27	74°18'	31.39	-0.70	-	-
	05-08-2012	0.41	0.62	5.37	74°18'	31.20	-0.54	-	-
	12-08-2012	0.13	0.57	4.48	74°18'	31.56	-0.84	-	-