

Supplementary Material 5 - Cyst bank in surface sediments (sediment cores)

	full cysts								empty cysts							
	sep 1	nov 1	dec3	may 1	jun 1	jul 3	aug 1	sep 2	sep 1	nov 1	dec3	may 1	jun 1	jul 3	aug 1	sep 2
<i>Alexandrium minutum</i>	0	4	1	1	4	3	0	2	0	0	0	0	0	0	1	1
<i>Alexandrium tamarense</i>	2	0	0	0	0	0	2	1	0	0	0	0	0	0	0	3
<i>Alexandrium</i> sp.1	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0
<i>Alexandrium</i> sp.2	3	1	1	1	4	0	0	1	0	0	0	0	0	0	0	0
<i>Alexandrium</i> sp.4	1	3	0	0	2	1	0	0	0	0	0	0	0	0	0	0
<i>Alexandrium</i> sp.7	4	0	0	1	6	0	0	2	0	0	0	0	0	0	0	0
<i>Alexandrium</i> sp.8	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
cf. <i>Calciodinellum albatrosianum</i>	15	22	22	24	31	17	21	20	11	8	22	9	10	24	14	18
<i>Calciodinellum operosum</i>	2	3	1	1	7	2	1	4	0	0	0	0	0	0	0	0
<i>Calciperidinium asymmetricum</i>	0	2	1	3	0	1	1	1	2	3	4	5	6	2	1	2
<i>Cochlodinium polykrikoides</i>	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
<i>Diplopsalis lenticula</i>	2	0	3	0	2	9	0	0	0	0	3	3	5	0	3	3
cf. <i>Dissodinium pseudocalani</i>	0	0	0	1	2	0	1	1	0	0	0	0	0	0	0	0
<i>Follisdinellum splendidum</i>	1	3	1	1	3	5	4	6	0	4	1	4	6	2	1	1
<i>Gonyaulax</i> group	32	34	14	22	44	25	30	25	7	14	7	17	20	17	10	5
<i>Gymnodinium impudicum</i>	165	88	101	74	89	71	54	44	70	30	69	78	79	63	70	49
<i>Gymnodinium</i> cf. <i>litoralis</i>	71	27	30	11	45	32	28	13	18	18	17	14	16	12	21	15
<i>Gymnodinium</i> sp.1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<i>Gymnodinium</i> sp.7	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lingulodinium polyedrum</i>	11	11	4	6	10	5	6	5	10	5	5	13	4	6	11	9
<i>Melodomoncula berlinensis</i>	4	9	10	5	10	4	6	5	13	4	9	14	16	6	18	18
<i>Nematodinium armatum</i>	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>Oblea rotunda</i>	0	0	3	24	24	2	2	8	0	0	0	1	1	0	0	0
<i>Pentapharsodinium dalei</i>	11	8	13	17	32	23	17	13	0	1	1	0	2	0	0	0
<i>Pentapharsodinium tyrrenicum</i>	51	50	57	68	70	43	49	75	33	49	53	45	41	46	38	56
<i>Polykrikos hartmannii</i>	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0
<i>Polykrikos schwartzii</i>	0	0	0	1	0	0	0	0	3	2	0	4	4	1	1	0
<i>Posoniella tricarinioides</i>	13	12	17	13	14	16	22	21	8	6	3	7	4	11	9	9
<i>Protoperidinium claudicans</i>	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	0
<i>Protoperidinium compressum</i>	2	0	1	3	0	0	0	6	3	3	3	9	3	4	8	3
<i>Protoperidinium conicum</i>	5	4	0	3	1	1	1	0	2	0	4	9	6	3	4	1
<i>Protoperidinium oblongum</i>	2	5	6	0	4	1	4	5	0	0	1	0	0	0	0	0
<i>Protoperidinium parthenopes</i>	0	0	0	3	10	1	3	3	0	0	3	0	0	1	0	0
<i>Protoperidinium quinquecome</i>	0	0	1	1	2	0	0	1	0	0	0	0	0	0	0	0
<i>Protoperidinium shanghaiense</i>	1	0	0	0	0	0	0	0	3	1	0	0	2	0	3	0
<i>Protoperidinium thorianum</i>	2	0	0	0	4	0	3	0	0	3	1	1	3	4	1	0
<i>Protoperidinium</i> sp.1	6	4	1	25	4	10	16	0	0	0	0	0	2	2	1	0
<i>Protoperidinium</i> sp.4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1
<i>Pyrophacus horologium</i>	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
<i>Scrippsiella acuminata</i>	280	255	294	286	419	298	294	305	141	90	88	126	165	117	107	145
<i>Scrippsiella erinaceus</i>	37	22	19	37	27	32	20	32	3	2	3	0	5	2	2	6
<i>Scrippsiella lachrymosa</i>	9	8	1	9	17	3	4	1	2	2	1	1	2	1	0	3
<i>Scrippsiella precaria</i>	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0
<i>Scrippsiella ramoni</i>	10	7	8	5	12	3	9	13	8	1	7	8	7	2	1	5
<i>Scrippsiella spinifera</i>	0	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0
<i>Scrippsiella</i> sp.1	69	56	59	54	97	77	69	78	15	10	34	27	42	23	17	26
<i>Scrippsiella</i> sp.4	6	2	6	3	0	1	4	9	0	0	0	0	0	0	0	0
<i>Scrippsiella</i> sp.5	5	15	6	16	7	15	10	22	0	0	0	0	0	0	0	0
<i>Scrippsiella</i> sp.6	2	0	4	1	13	6	4	3	3	2	0	5	0	2	1	1
<i>Scrippsiella</i> sp.8	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0
<i>Thoracosphaeraceae</i> sp.	2	2	1	1	0	0	3	0	0	0	0	0	0	0	0	0
<i>Dinophyta</i> sp.2	0	0	0	1	1	0	0	3	0	0	1	0	0	0	0	0
<i>Dinophyta</i> sp.33	0	0	0	3	3	3	0	1	0	0	0	0	0	0	0	0
cf. <i>Cyrtostrombidium boreale</i>	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Hexasterias problematica</i>	2	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0
<i>Laboea strobila</i>	0	1	0	6	1	4	1	0	0	0	0	0	0	0	0	0
<i>Strombidium acutum</i>	2	0	0	0	2	1	1	10	1	1	4	1	6	4	2	1
<i>Strombidium biarmatum</i>	0	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0
<i>Strombidium conicum</i>	7	9	5	12	13	17	19	0	2	0	1	6	14	3	1	5
<i>Ciliophora</i> sp.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<i>Ciliophora</i> sp.5	0	0	0	1	2	0	0	3	0	0	0	0	0	1	0	0
<i>Synchaeta</i> sp.1 (smooth)	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Synchaeta</i> sp.2 (tubular)	4	0	7	1	10	9	5	7	3	2	3	5	4	8	3	7
<i>Acartia italica</i>	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
<i>Centropages</i> sp. (resting egg)	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Paracartia latisetosa</i>	3	1	7	3	4	4	3	5	1	0	1	1	0	3	1	1
<i>Pteriacartia josephinae</i>	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Resting Egg 9	0	1	2	1	7	3	1	5	0	0	0	0	0	0	0	0
cysts g ⁻¹	841	674	719	754	1094	748	722	761	361	260	352	417	478	377	354	397
taxa	37	34	40	45	42	38	37	39	23	25	29	28	30	30	28	27