

# Supplementary Material 3 - Resting stage fluxes (sediment traps)

	sep 1	oct 1	oct 2	nov 1	nov 2	dec 1	dec 2	may 1	may 2	jun 1	jun 2	jul 1	jul 2	jul 3	aug 1	aug 2	sep 1	sep 2
<i>Alexandrium minutum</i>	116	250	124	0	93	46				541	714	0	93	108	209	125	43	
<i>Alexandrium pseudogonyaulax</i>	0	0	0	0	0	0				2038	346	0	70	72	0	0	0	
<i>Alexandrium tamarense</i>	0	0	15	0	0	139				0	22	0	46	36	0	75	0	
<i>Alexandrium</i> sp.1	348	250	216	0	0	0				90	0	0	46	0	46	0	0	
<i>Alexandrium</i> sp.2	0	0	113	0	23	139				0	43	0	0	0	0	0	0	
<i>Alexandrium</i> sp.4	0	0	0	0	0	0				18	0	0	0	0	0	0	0	
<i>Alexandrium</i> sp.7	0	0	113	0	139	139				0	0	0	0	144	719	275	65	
<i>Alexandrium</i> sp.10	0	0	0	0	0	0				0	0	0	46	108	0	0	22	
cf. <i>Calciadinellum albatrossianum</i>	696	2498	773	1731	1252	1160				90	87	125	186	108	46	125	368	
<i>Calciadinellum operosum</i>	0	125	0	0	0	0				90	0	0	70	0	0	75	22	
<i>Calciopendinium asymmetricum</i>	0	125	51	0	0	93				90	0	25	0	289	139	75	22	
<i>Cochlodinium polykroides</i>	0	0	77	0	0	0				0	0	0	23	0	0	0	22	
<i>Diplopelta parva</i>	0	0	0	0	0	0				0	0	0	0	36	0	0	0	
<i>Diplopsalis lenticula</i>	232	0	340	0	0	46				0	0	25	0	0	46	75	0	
cf. <i>Dissodinium pseudocalani</i>	0	0	0	0	0	0				0	0	0	0	0	0	0	22	
<i>Foissiadinium splendium</i>	0	0	51	0	0	46				0	0	0	1136	216	0	0	87	
<i>Gonyaulax</i> group	7885	3497	1103	1448	1020	1252				1046	9870	1798	1183	2128	580	799	390	
<i>Gymnodinium impudicum</i>	3479	3497	1845	2029	742	510				361	173	150	0	0	46	75	65	
<i>Gymnodinium cf. litoralis</i>	1971	250	237	499	325	325				90	0	75	0	36	46	75	0	
<i>Gymnodinium nollerii</i>	0	0	0	166	46	46				0	108	25	23	108	0	75	0	
<i>Gymnodinium uncatenatum</i>	0	0	0	50	186	0				0	0	25	0	0	0	0	0	
<i>Gymnodinium</i> sp.1	116	0	0	0	0	0				0	216	0	23	0	0	0	0	
<i>Gymnodinium</i> sp.3	0	0	0	0	0	0				0	0	0	0	108	0	25	0	
<i>Gymnodinium</i> sp.4	0	0	0	0	0	0				0	0	25	0	0	0	0	0	
<i>Gymnodinium</i> sp.8	0	0	0	0	0	0				0	0	25	0	0	0	0	0	
<i>Lingulodinium polyedrum</i>	116	125	124	83	325	162				0	22	150	348	144	162	574	130	
<i>Melodonomacula berlinensis</i>	348	0	237	50	139	417				631	152	75	46	180	70	100	152	
<i>Nematodinium armatum</i>	0	0	0	83	0	0				18	0	0	46	0	0	0	0	
<i>Obelia rotunda</i>	1507	1124	0	216	46	186				271	303	100	46	180	162	300	2165	
<i>Pentapleurosodinium dalei</i>	1160	125	423	83	0	0				1984	844	225	116	216	116	150	216	
<i>Pentapleurosodinium lythenicum</i>	1044	1499	1819	1980	1438	1763				722	801	1174	4290	3896	1044	2073	563	
<i>Polykirkos hartmannii</i>	0	0	0	50	0	0				0	130	50	0	0	70	25	0	
<i>Polykirkos kotteri</i>	0	0	0	0	0	0				0	0	0	0	0	23	0	0	
<i>Posoniella bicarinellus</i>	928	0	227	133	278	46				90	22	0	70	649	209	125	173	
<i>Protoperidinium compressum</i>	0	0	77	50	0	0				0	0	0	0	0	0	0	0	
<i>Protoperidinium conicum</i>	0	0	387	83	116	46				36	22	0	0	72	0	25	0	
<i>Protoperidinium oblongum</i>	116	999	1695	0	93	232				90	43	0	0	36	46	25	0	
<i>Protoperidinium parthenope</i>	0	0	62	0	0	0				180	22	50	0	0	0	0	0	
<i>Protoperidinium quinquecomae</i>	0	125	0	483	371	0				180	0	0	0	0	23	0	0	
<i>Protoperidinium subinermis</i>	0	0	77	0	0	0				0	0	0	0	0	0	0	0	
<i>Protoperidinium thorianum</i>	0	624	62	266	0	139				0	0	0	0	180	23	25	43	
<i>Protoperidinium</i> sp.1	116	0	356	83	93	46				180	108	25	209	144	93	75	628	
<i>Pyrophacus horologium</i>	116	0	0	50	0	46				18	0	0	0	36	0	175	281	
<i>Scrippsiella acuminata</i>	28525	27473	13051	17619	9926	11085				24802	14740	6843	13149	62590	24814	22478	6082	
<i>Scrippsiella ennisae</i>	928	1998	515	716	510	325				1443	173	275	23	72	232	125	22	
<i>Scrippsiella kirschiae</i>	0	0	0	0	0	0				90	0	0	0	0	0	0	0	
<i>Scrippsiella lachrymosa</i>	1160	874	62	532	232	46				541	43	25	139	72	23	50	87	
<i>Scrippsiella presciana</i>	1507	2123	62	0	0	0				0	0	0	0	0	0	0	0	
<i>Scrippsiella ramoni</i>	812	125	979	166	46	0				180	130	75	46	72	0	50	87	
<i>Scrippsiella spinifera</i>	116	375	51	0	93	46				0	0	0	0	0	0	0	0	
<i>Scrippsiella trifida</i>	0	0	124	0	0	0				0	0	0	0	0	0	0	0	
<i>Scrippsiella</i> sp.1	3015	2622	3092	2912	2319	1855				5772	2532	724	719	1335	533	325	1169	
<i>Scrippsiella</i> sp.4	0	0	77	50	139	0				0	22	50	116	1263	765	250	216	
<i>Scrippsiella</i> sp.5	1160	3746	855	1498	1438	1670				1082	1082	450	881	1010	557	425	6948	
<i>Scrippsiella</i> sp.6	1507	749	2123	349	93	93				5501	779	25	186	36	23	25	65	
<i>Scrippsiella</i> sp.8	0	0	51	0	0	0				992	0	0	70	36	0	0	0	
<i>Thoracosphaeraeae</i> spp.	0	0	0	0	0	0				0	0	0	0	36	23	0	0	
<i>Wernowia rosea</i>	0	0	0	0	0	0				0	22	0	46	36	0	0	0	
<i>Dinophyta</i> sp.2	116	0	0	183	0	46				0	0	50	0	36	0	0	0	
<i>Dinophyta</i> sp.9	0	0	0	83	278	23				0	65	50	0	0	0	0	0	
<i>Dinophyta</i> sp.14	0	125	0	0	0	0				0	0	0	0	0	0	0	0	
<i>Dinophyta</i> sp.33	0	0	124	83	0	46				180	0	0	0	0	93	0	0	
<i>Laboea striolata</i>	0	0	0	0	278	93				0	43	0	0	0	0	0	87	
<i>Strombidium acutum</i>	0	0	0	333	0	510				0	90	0	75	70	0	0	0	
<i>Strombidium biarmatum</i>	0	0	62	832	0	46				271	0	0	25	0	0	0	0	
<i>Strombidium conicum</i>	232	0	247	250	186	0				541	433	350	70	0	23	175	195	
<i>Strombidium crassulum</i>	116	0	0	0	0	0				0	0	0	0	0	0	0	22	
<i>Cilophora</i> sp.2	0	0	0	0	0	0				0	0	0	46	0	70	25	0	
<i>Cilophora</i> sp.5	0	0	0	0	0	0				0	65	0	0	0	0	0	0	
<i>Cilophora</i> sp.6	0	0	0	0	46	93				758	108	200	46	36	0	0	0	
<i>Synchaeta</i> sp.1 (smooth)	0	0	0	782	278	0				18	0	0	0	0	0	0	0	
<i>Synchaeta</i> sp.2 (tubular)	0	0	0	599	186	0				0	325	25	0	0	23	25	22	
<i>Synchaeta</i> sp.3 (spiny)	0	0	0	0	0	0				0	0	75	0	0	70	0	22	
<i>Acartia clausi/margalefi</i>	0	0	31	0	162	93				72	0	100	116	0	23	0	0	
<i>Acartia italica</i>	162	275	93	133	23	23				54	65	325	232	1515	1925	1873	1364	
<i>Acartia</i> sp.2	0	0	0	0	93	0				0	0	0	0	0	0	0	0	
<i>Centropages</i> sp. (resting egg)	2458	1723	294	407	464	301				0	0	0	0	0	23	125	43	
<i>Paracartia latsetosa</i>	4151	2647	788	659	394	232				90	0	0	46	289	1299	1598	2792	
<i>Ptenacartia josephinae</i>	232	0	0	0	0	0				0	0	0	0	0	0	0	0	
Cyst type 6	0	0	0	0	0	0				0	0	25	0	0	0	0	0	
Resting egg 1	0	0	0	0	0	0				0	22	0	0	0	0	0	0	
Resting egg 9	0	0	0	50	23	0				36	108	0	0	36	0	0	0	
cysts m <sup>-2</sup> d <sup>-1</sup>	66489	59965	33287	37853	23933	23655				51371	34805	13911	24119	77706	34439	33092	24697	
taxa	33	28	44	40	39	40				41	38	37	37	40	38	38	36	