

Cruise	Date	Station	Latitude [d]	Longitude [d]	Depth [m]	cells/field	volume filtered (ml)	area of filter (um2)	fields/filter	syne (cells/ml)	log Syne [cells/ml]
ETSP2010	1-Feb	1	-20	280	10	33.9	21	188691148.8	1963.5	3170	3.50
ETSP2010	1-Feb	1	-20	280	40	34.6	20	188691148.8	1963.5	3397	3.53
ETSP2010	1-Feb	1	-20	280	60	12.4	20	188691148.8	1963.5	1217	3.09
ETSP2010	1-Feb	1	-20	280	75	5	51	188691148.8	1963.5	192	2.28
ETSP2010	1-Feb	1	-20	280	100	4.5	80	188691148.8	1963.5	110	2.04
ETSP2010	1-Feb	1	-20	280	150	4.5	90	188691148.8	1963.5	98	1.99
ETSP2010	3-Feb	2	-20	275	10	12.4	120	188691148.8	1963.5	203	2.31
ETSP2010	3-Feb	2	-20	275	40	10.8	45	188691148.8	1963.5	471	2.67
ETSP2010	3-Feb	2	-20	275	80	12.5	30	188691148.8	1963.5	818	2.91
ETSP2010	3-Feb	2	-20	275	100	9.3	30	188691148.8	1963.5	609	2.78
ETSP2010	3-Feb	2	-20	275	120	1.5	200	254467980	2647.9	20	1.30
ETSP2010	3-Feb	2	-20	275	150	0.4	300	254467980	2647.9	4	0.55
ETSP2010	5-Feb	3	-20	270	10	98	300	254467980	2647.9	865	2.94
ETSP2010	5-Feb	3	-20	270	40	160	300	254467980	2647.9	1412	3.15
ETSP2010	5-Feb	3	-20	270	70	17.8	95	188691148.8	1963.5	368	2.57
ETSP2010	5-Feb	3	-20	270	10	12.4	60	188691148.8	1963.5	406	2.61
ETSP2010	5-Feb	3	-20	270	130	2.8	76	188691148.8	1963.5	72	1.86
ETSP2010	5-Feb	3	-20	270	180	0.38	300	254467980	2647.9	3	0.53
ETSP2010	7-Feb	4	-20	265	10	33.4	100	254467980	2647.9	884	2.95
ETSP2010	7-Feb	4	-20	265	40	38.5	100	254467980	2647.9	1019	3.01
ETSP2010	7-Feb	4	-20	265	70	122.6	100	254467980	2647.9	3246	3.51
ETSP2010	7-Feb	4	-20	265	100	37	100	254467980	2647.9	980	2.99
ETSP2010	7-Feb	4	-20	265	125	3.2	200	254467980	2647.9	42	1.63
ETSP2010	7-Feb	4	-20	265	170	0.67	300	254467980	2647.9	6	0.77
ETSP2010	9-Feb	5	-20	260	10	6.4	100	254467980	2647.9	169	2.23
ETSP2010	9-Feb	5	-20	260	40	7.9	100	254467980	2647.9	209	2.32
ETSP2010	9-Feb	5	-20	260	80	12	100	254467980	2647.9	318	2.50
ETSP2010	9-Feb	5	-20	260	135	22	100	254467980	2647.9	583	2.77
ETSP2010	9-Feb	5	-20	260	150	2.5	200	254467980	2647.9	33	1.52
ETSP2010	9-Feb	5	-20	260	200	0.5	300	254467980	2647.9	4	0.64
ETSP2010	12-Feb	6	-15	260	10	7.7	5	188691148.8	1963.5	3024	3.48
ETSP2010	12-Feb	6	-15	260	25	32.1	5	188691148.8	1963.5	12606	4.10
ETSP2010	12-Feb	6	-15	260	40	43	5	188691148.8	1963.5	16886	4.23
ETSP2010	12-Feb	6	-15	260	60	49	10	254467980	2647.9	12975	4.11
ETSP2010	12-Feb	6	-15	260	100	5.5	100	254467980	2647.9	146	2.16
ETSP2010	12-Feb	6	-15	260	150	2.6	200	254467980	662.0	9	0.93
ETSP2010	14-Feb	7	-10	260	5	34.8	12	188691148.8	1963.5	5694	3.76
ETSP2010	14-Feb	7	-10	260	25	14.8	5	188691148.8	1963.5	5812	3.76
ETSP2010	14-Feb	7	-10	260	50	19.3	5	188691148.8	1963.5	7579	3.88
ETSP2010	14-Feb	7	-10	260	70	36.2	11	188691148.8	1963.5	6462	3.81
ETSP2010	14-Feb	7	-10	260	100	8.9	150	254467980	662.0	39	1.59
ETSP2010	14-Feb	7	-10	260	150	10.6	290	254467980	662.0	24	1.38

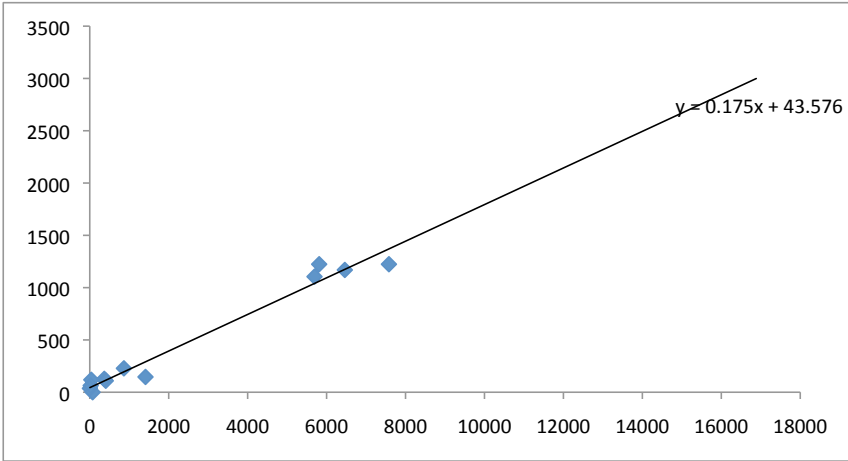
ETSP2010	17-Feb	8	-10	265	5	11.4	12	188691148.8	1963.5	1865	3.27
ETSP2010	17-Feb	8	-10	265	25	14.6	7	188691148.8	1963.5	4095	3.61
ETSP2010	17-Feb	8	-10	265	40	13.1	5	188691148.8	1963.5	5144	3.71
ETSP2010	17-Feb	8	-10	265	60	26.6	11	188691148.8	1963.5	4748	3.68
ETSP2010	17-Feb	8	-10	265	100	12.4	150	254467980	662.0	55	1.74
ETSP2010	17-Feb	8	-10	265	150	15.1	200	254467980	662.0	50	1.70
ETSP2010	19-Feb	9	-10	270	5	42	14	188691148.8	1963.5	5890	3.77
ETSP2010	19-Feb	9	-10	270	25	28.5	7	188691148.8	1963.5	7994	3.90
ETSP2010	19-Feb	9	-10	270	50	46.3	6	188691148.8	1963.5	15152	4.18
ETSP2010	19-Feb	9	-10	270	90	10	12	188691148.8	1963.5	1636	3.21
ETSP2010	19-Feb	9	-10	270	130	6.9	150	254467980	2647.9	122	2.09
ETSP2010	19-Feb	9	-10	270	145	29.3	300	254467980	2647.9	259	2.41
ETSP2010	21-Feb	10	-10	274	5	30.5	10	188691148.8	1963.5	5989	3.78
ETSP2010	21-Feb	10	-10	274	15	20.7	5	188691148.8	1963.5	8129	3.91
ETSP2010	21-Feb	10	-10	274	30	24.6	5	188691148.8	1963.5	9660	3.98
ETSP2010	21-Feb	10	-10	274	50	49.8	25	188691148.8	1963.5	3911	3.59
ETSP2010	21-Feb	10	-10	274	80	48.7	200	254467980	662.0	161	2.21
ETSP2010	21-Feb	10	-10	274	120	12	300	254467980	662.0	26	1.42
ETSP2011	24-Feb	11	-10	262	5	26.5	9	254467980	2647.9	7797	3.89
ETSP2012	24-Feb	11	-10	262	20	14.8	6	254467980	2647.9	6532	3.82
ETSP2013	24-Feb	11	-10	262	35	16.7	5	254467980	2647.9	8844	3.95
ETSP2014	24-Feb	11	-10	262	45	29.8	21	254467980	2647.9	3758	3.57
ETSP2015	24-Feb	11	-10	262	100	7	150	254467980	2647.9	124	2.09
ETSP2016	24-Feb	11	-10	262	150	8	300	254467980	2647.9	71	1.85

FC test

diam (mm)	area (um^2)
15.5	188691149
18	254467980

	Area of field (um^2)
20X	384400
40X	96100

228.32379
146.12722
127.86132
109.59542
0
36.531806



1105.0871
1223.8155
1223.8155
1169.0178
118.72837
63.930661

