

Appendix 1

Table A1. Changes in percent cover from the initial, pre-treatment values to those at five days of recovery in the field for all species found on plates, including seven natives ('N'), nine invasives ('I'), and four cryptogenic species ('C').

Taxon	Origin	Species	Change in percent cover [†]	
			Ambient	Heat wave
Seaweeds	C	<i>Ulva</i> spp.	none	none
Sponges	C	<i>Haliclona</i> sp.	J	J
Anemones	N	<i>Metridium senile</i>	J	none
Hydroids	C	<i>Obelia</i> spp.	–	J
Annelids	N	<i>Eudistyla</i> sp.	+	–
	N	Spirorbidae spp.	+	+
Barnacles	N	<i>Balanus</i> sp.	–	+
Bryozoans	I	<i>Bowerbankia "gracilis"</i>	J	J
	N	<i>Bugula californica</i>	J	J
	I	<i>Bugula neritina</i>	+	–
	I	<i>Schizoporella</i> sp.	+	+
	I	<i>Watersipora subtorquata</i>	–	–
Tunicates	N	<i>Ascidia ceratodes</i>	+	–
	C	<i>Botrylloides diegensis</i>	–	–
	I	<i>Botrylloides violaceus</i>	–	–
	I	<i>Botryllus schlosseri</i>	–	J
	I	<i>Ciona</i> sp.	–	none
	I	<i>Diplosoma listerianum</i>	–	–
	I	<i>Didemnum vexillum</i>	+	–
	N	<i>Distaplia occidentalis</i>	–	–

[†]all changes, regardless of magnitude or statistical significance, are reported. '+' indicates an increase in cover, '-' indicates a decrease in cover. 'J' indicates species only present on juvenile plates, and 'none' indicates that the taxon was not observed until at least the 35 day census.

Table A2. Repeated-measures ANOVA results evaluating experimental community differences over time.

(a) Juvenile richness

	num DF	error DF	Total		Native		Invasive	
			F	p	F	p	F	p
Block [†]	1	13	0.41	0.531	0.35	0.565	0.08	0.783
Treatment [†]	1	13	0.13	0.726	<0.01	>0.999	0.22	0.645
Time ^{†‡}	1	14	5.60	0.033	7.80	0.014	2.87	0.166
Time × Trt ^{†‡}	1	14	1.14	0.304	3.50	0.082	1.16	0.342

(b) Adult richness

	num DF	error DF	Total		Native		Invasive	
			F	p	F	p	F	p
Block [†]	1	13	1.16	0.301	3.32	0.091	0.78	0.394
Treatment [†]	1	13	43.26	<0.001	43.44	<0.001	3.10	0.102
Time ^{†‡}	1	14	16.36	0.016	1.49	0.242	19.55	<0.001
Time × Trt ^{†‡}	1	14	11.18	0.029	3.30	0.091	9.30	0.009

(c) Adult cover

	num DF	error DF	Total		Native		Invasive	
			F	p	F	p	F	p
Block [†]	1	13	10.76	0.006	4.39	0.056	4.13	0.063
Treatment [†]	1	13	20.64	<0.001	13.66	0.003	4.36	0.057
Time ^{†‡}	1	14	25.93	<0.001	24.84	0.008	5.19	0.039
Time × Trt ^{†‡}	1	14	2.72	0.121	1.62	0.272	1.37	0.261

[†]error term: Replicate × Block × Treatment; block interactions were non-significant and were excluded from all analyses.

[‡]adjusted, conservative degrees of freedom were used (Time DF = 1), and p-values were Greenhouse-Geisser corrected where necessary to meet the sphericity assumption.

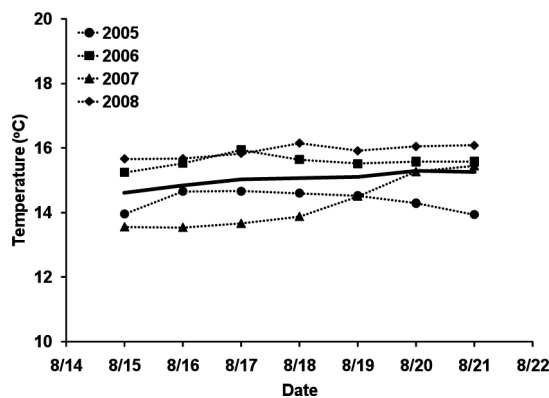


Figure A1. Seawater temperatures recorded at 1 m depth in Spud Point Marina on August 15–21, 2005–2008. Symbols and dotted lines indicate the daily average temperatures recorded, and the solid line represents the mean temperature. The overall mean temperature (\pm 1 SE) for this period was $15.0 \pm 0.2^\circ\text{C}$.



Figure A2. Adult plates before the three-day temperature treatment (Initial) and after 0 (immediately after the lab experiment), 5, 35, and 95 days of recovery in the field.