

Table 1. Summary of physical and chemical conditions in the 8 treatment tanks between July 28 and August 11, 2011

Treatment	Tank	Temperature (°C)	pH _{total} *	TA ($\mu\text{mol kg}^{-1}$)	pCO ₂ (Pa)	HCO ₃ ⁻ ($\mu\text{mol kg}^{-1}$)	CO ₃ ²⁻ ($\mu\text{mol kg}^{-1}$)
AT-ACO ₂	2	27.6 ± 0.02 (23)	7.99 (14)	2196 ± 8 (14)	45.4 ± 0.3 (14)	1724 ± 5.1 (14)	192 ± 1.7 (14)
	4	27.7 ± 0.13 (23)	7.99 (14)	2184 ± 7 (14)	44.6 ± 0.3 (14)	1712 ± 4.5 (14)	192 ± 1.4 (14)
HT-ACO ₂	3	30.4 ± 0.14 (23)	8.01 (14)	2217 ± 8 (14)	43.6 ± 0.5 (14)	1687 ± 6.3 (14)	216 ± 1.8 (14)
	8	30.6 ± 0.02 (23)	7.98 (14)	2219 ± 7 (14)	46.7 ± 0.4 (14)	1711 ± 5.1 (14)	207 ± 1.7 (14)
AT-HCO ₂	1	27.7 ± 0.03 (23)	7.76 (14)	2208 ± 7 (14)	86.1 ± 0.6 (14)	1904 ± 4.6 (14)	124 ± 1.2 (14)
	7	27.7 ± 0.10 (23)	7.75 (13)	2200 ± 8 (13)	87.1 ± 0.9 (13)	1903 ± 6.3 (13)	121 ± 1.4 (13)
HT-HCO ₂	5	30.6 ± 0.13 (23)	7.77 (14)	2227 ± 6 (14)	83.2 ± 1.2 (14)	1884 ± 3.4 (14)	141 ± 2.1 (14)
	6	30.5 ± 0.05 (23)	7.77 (14)	2222 ± 7 (14)	84.2 ± 0.8 (14)	1883 ± 4.7 (14)	139 ± 1.5 (14)

Seawater chemistry was assessed daily and temperature three times daily (0900, 1200, 1700 h) in all tanks. Values displayed are mean ± SE (n)

TA total alkalinity, AT-ACO₂ ambient temperature–ambient pCO₂, HT-ACO₂ high temperature–ambient pCO₂, AT-HCO₂ ambient temperature–high pCO₂, HT-HCO₂ high temperature–high pCO₂

* pH SE <0.1