

Supplementary material

Supporting Information for

Biogeosciences

Hydro-biogeochemical processes govern inorganic nitrogenous nutrient dynamics in a subtropical semi-enclosed mariculture bay: nitrogen-carbon coupling

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Table S1. Concentrations and percentages of individual dissolved inorganic nitrogen (DIN) species at Station S2 (see Fig. 1) from incubation experiments and mapping cruises in Sansha Bay during winter and summer

Seasons	Depth (m)	NH_4^+ ($\mu\text{mol L}^{-1}$)	NO_2^- ($\mu\text{mol L}^{-1}$)	NO_3^- ($\mu\text{mol L}^{-1}$)	NH_4^+ proportion (%)	NO_2^- proportion (%)	NO_3^- proportion (%)
Winter- incubation cruise	0.5	9.6	2.7	37.5	19.2	5.4	75.4
	5	8.9	2.8	38.6	17.6	5.6	76.7
	19	9.9	2.8	38.4	19.4	5.5	75.1
Summer- incubation cruise	0.5	2.1	10.1	25.8	5.5	26.6	67.8
	8	1.3	8.5	21.3	4.1	27.4	68.4
	15	0.5	7.7	17.8	2.0	29.5	68.5
Winter- mapping cruise	0.5	16.1	2.8	50.4	23.2	4.0	72.8
	4	15.0	2.9	51.6	21.6	4.2	74.2
	7	17.5	2.9	52.1	24.1	4.1	71.8
Summer- mapping cruise	0.5	<0.5	2.0	10.6	0	16.1	83.9
	5	<0.5	2.3	11.6	0	16.2	83.8
	10	1.6	3.2	14.6	8.0	16.5	75.4