

Supplementary Material

Biodiversity of Coastal Epibenthic Macrofauna in Eastern Canadian Arctic: Baseline mapping for management and conservation

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Table S1. Summary of Spearman's rank correlations (p values) examining the effect of depth on abundance (ind m⁻²), taxonomic richness (*S*, number of taxa), Shannon-Wiener diversity (*H'*), and Pielou's evenness (*J'*) at each location. No significant correlation was observed at $p < 5\%$.

	Locations	Abundance	<i>S</i>	<i>H'</i>	<i>J'</i>
Depth	Anaktalak Bay	0.217	0.555	0.711	0.882
	Churchill	0.731	0.606	0.371	0.925
	Deception Bay	0.124	0.500	0.231	0.314
	Iqaluit	0.141	0.346	0.183	0.383
	Milne Inlet	0.060	0.491	0.347	0.468

[illegible]

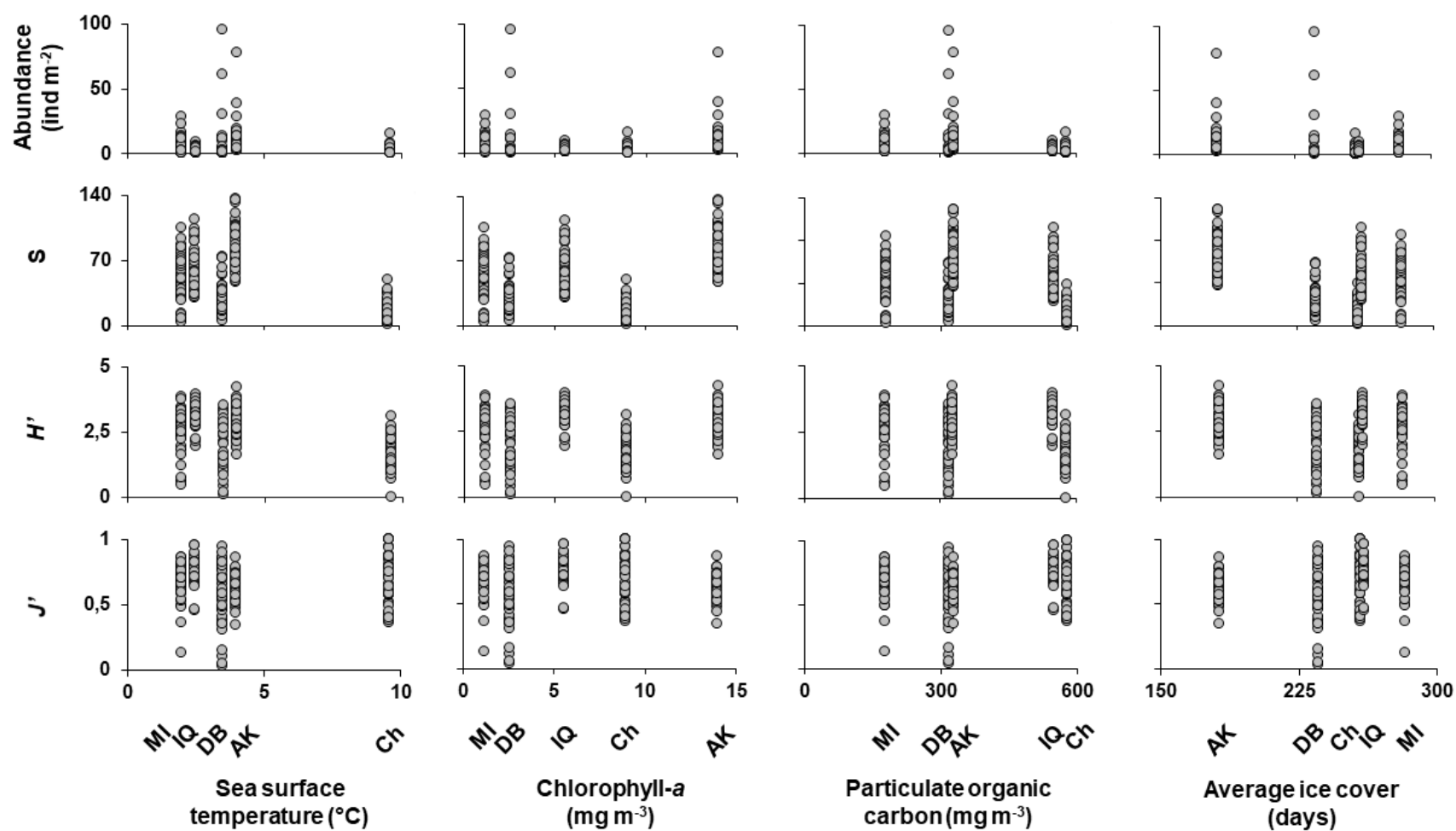


Figure S1. Relationship between abundance (individuals m^{-2}), taxonomic richness (S), Shannon-Wiener diversity (H'), and Pielou's evenness (J') and average sea surface temperature (SST), chlorophyll-*a* (chl-*a*), particulate organic carbon, and the duration of sea ice cover among locations. AB: Anaktalak Bay; C: Churchill; DB: Deception Bay; IQ: Iqaluit; MI: Milne Inlet. See Figure 1 for geographic locations.