

Goals

- Determine the best method for calculating Net Ecosystem Metabolism (NEP).
- Test the use of pH and DO as indicators for NEP.
- Understand how differences in seagrass densities play a role on the interaction between organic and inorganic carbon cycling.

Impacts:

- Highlight the significance of overlooking assumptions when measuring NEP.
- Develop an analytical tool for measuring the response of an ecosystem to various drivers, considering the photosynthesis and calcification couplet.



Figure 1. Instrument deployment at our seagrass site. To measure how the ecosystem is breathing as a response to



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CREST CAChE Student Poster Template

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- disequilibrium approach.



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