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Vargo results

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Major Results and Conclusions from USF Bioassay on *Dunaliella* sp.

1. Molar ratio of DIN:SRP were low at all locations and were indicative of potential Nitrogen limitation.
2. TN:TP ratios were variable between and at a particular location.
3. The TN:TP ratio should not be used to estimate potential nutrient limitation in Tampa Bay because the constituents of the elements in each portion of the ratio are not comparable.
4. Nitrogen is the nutrient most limiting biomass (expressed as chlorophyll, concentration) for most of the year at all locations in Tampa Bay sampled during this study.
5. The addition of phosphorus, alone or in combination with EDTA, did not enhance biomass in water samples from the four locations in Tampa Bay. Phosphorus additions had no effect on growth or biomass during the period when nitrogen was not limiting.