

FACT SHEET

Advancing the understanding of nutrients in the Bay-Delta (13-32)	
Deliverables: Arrangements for an international conference on nutrients and eutrophication	
Status: Ongoing	
Primary Investigator: Patricia Glibert	Recipient Organization: University of Maryland Center for Environmental Science
Project Cost: \$168,253	SFCWA Funding: \$168,253
Partners: None	

Introduction

The long-term changes in the food web of the Bay-Delta provide an interesting example of how populations at all levels of the food web may self-assemble in relation to long-term nutrient changes via feedbacks with trophic and biogeochemical stoichiometric changes. Examination of nutrient and concurrent food web assemblages have been done on an annual time step. Additional insight can be gained by analysis of changes seasonally. Also, there is a need to engage the broader community of scientists on regional responses by sponsoring a conference on nutrient stoichiometry.

Objective

To advance the hypothesis that changing nutrient stoichiometry affects the seasonal assemblage of the lower and secondary food web, and to organize a conference on nutrient stoichiometry to discuss regional responses to nutrient changes.

Results

Planning for a nutrient conference is underway.

Conclusions

Awaiting Results

Relevance

The response of the Bay-Delta's food web to changes in nutrient forms and ratios is similar to those experiences in other parts of the nation and world. Scientists working in the Bay-Delta are not as familiar with nutrient stoichiometry. A conference examining the national and international responses to changing nutrient stoichiometry will offer opportunity for local scientists to become better acquainted with it in a focused conference setting.

Next Steps

Awaiting Results

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Next Steps