

# Ecosystem engineers contribute to maintaining water quality in coastal ecosystems

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# The Problem

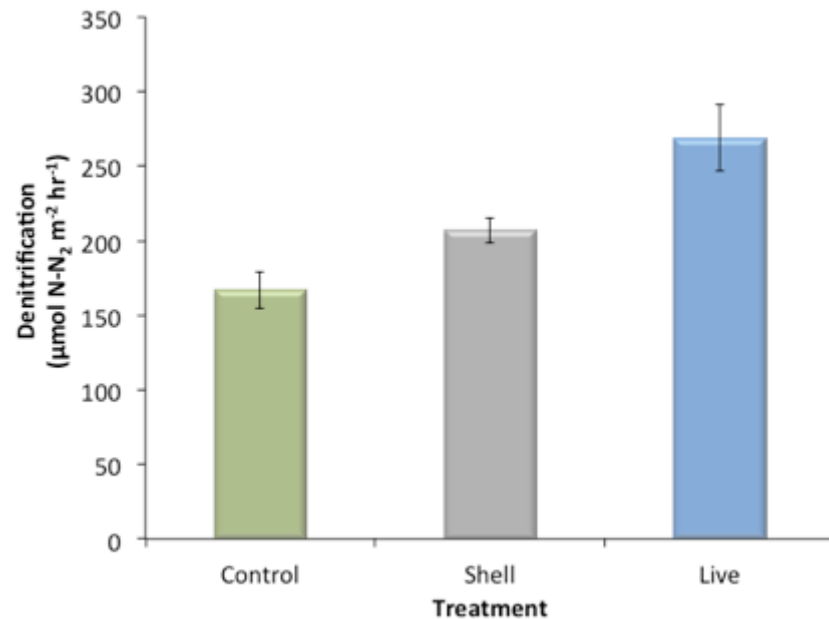
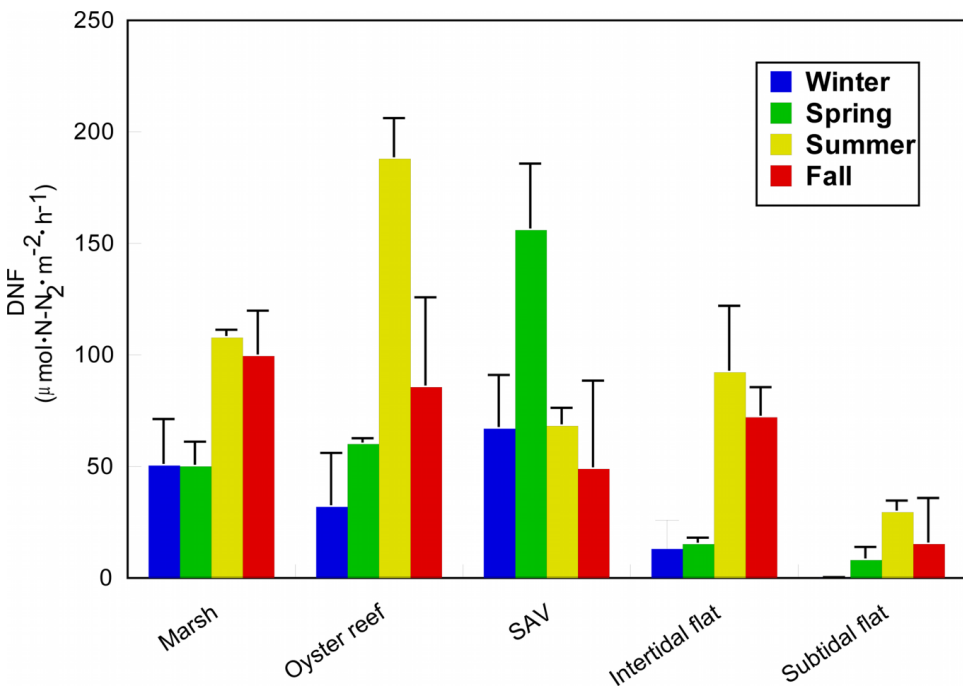
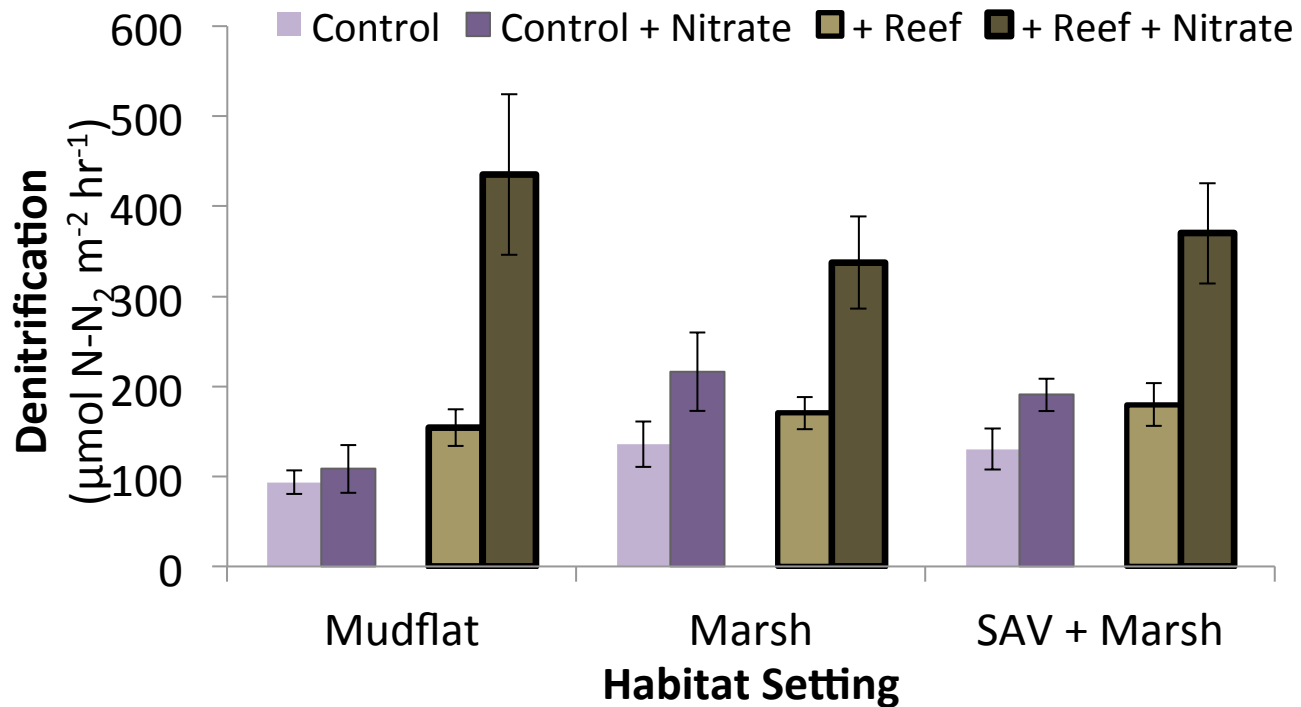
*Table 1. Comparison of restoration effort for five coastal habitats in the United States.*

Habitat type	Area restored <sup>a</sup>	Restoration cost <sup>b</sup>	Percentage global loss <sup>c</sup>
Salt marsh	36,625	3-242	50-80
Seagrass	3946	14-1035	29-65
Mangrove	1399	5-771	50

20  
80-85  
2012 Bioscience



# Supporting ecosystem-based approaches to managing the coastal environment



Informing  
management and  
decision making



Smith Fellows 



# Challenges to application of results

- 1) Having sufficient data
- 2) Evaluating ecosystem services
- 3) Accounting for ecosystem service values
- 4) Developing sensible markets



Thank you

