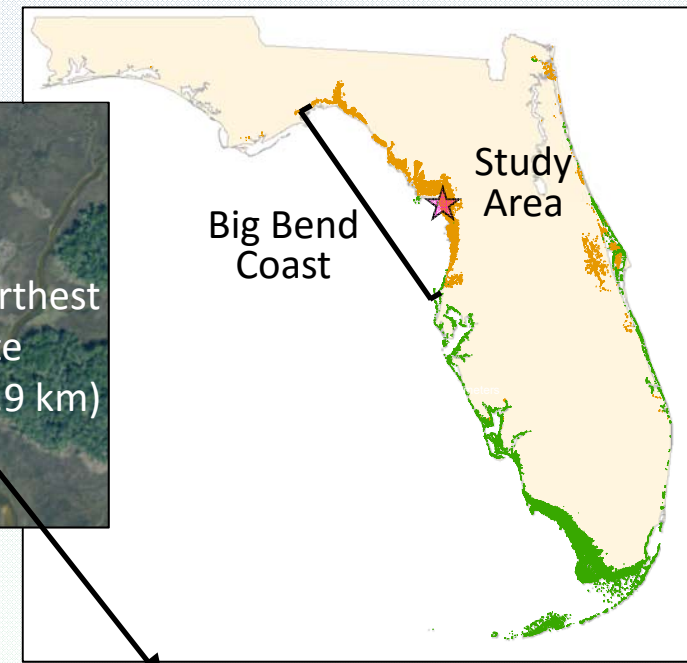


Investigating Top-down and Bottom-up Influences on Black Mangrove (*Avicennia germinans*) Encroachment in Forested Freshwater Islands Along the Big Bend Coast of Florida



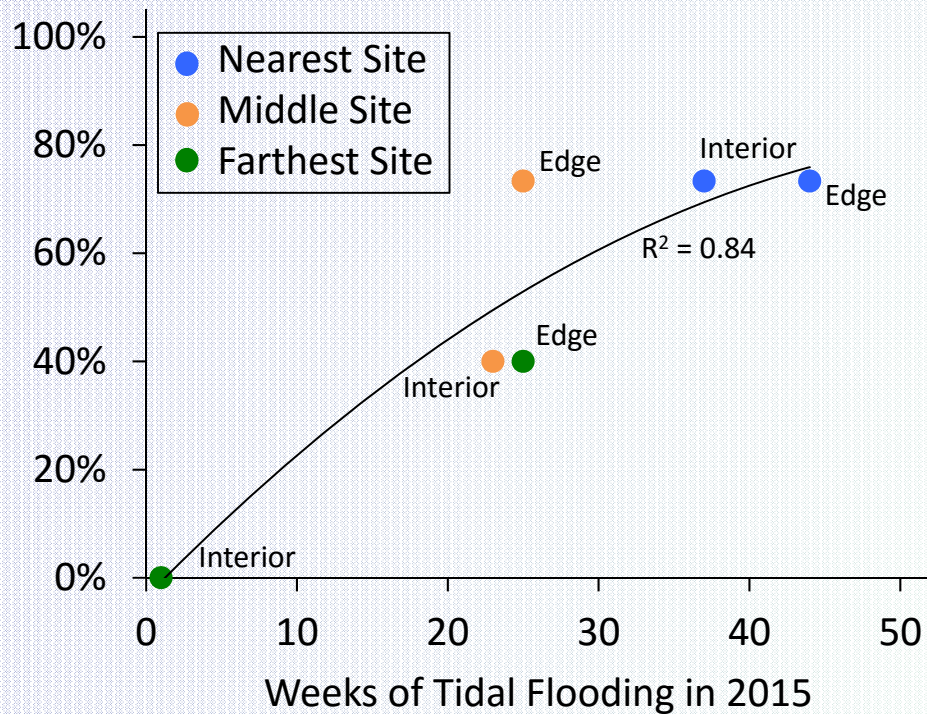
Amy Langston and David Kaplan, PhD
Mangrove & Macrobenthos Meeting
July 19, 2016

Will landward migration of black mangroves lead to the replacement of freshwater forest by mangrove forest?

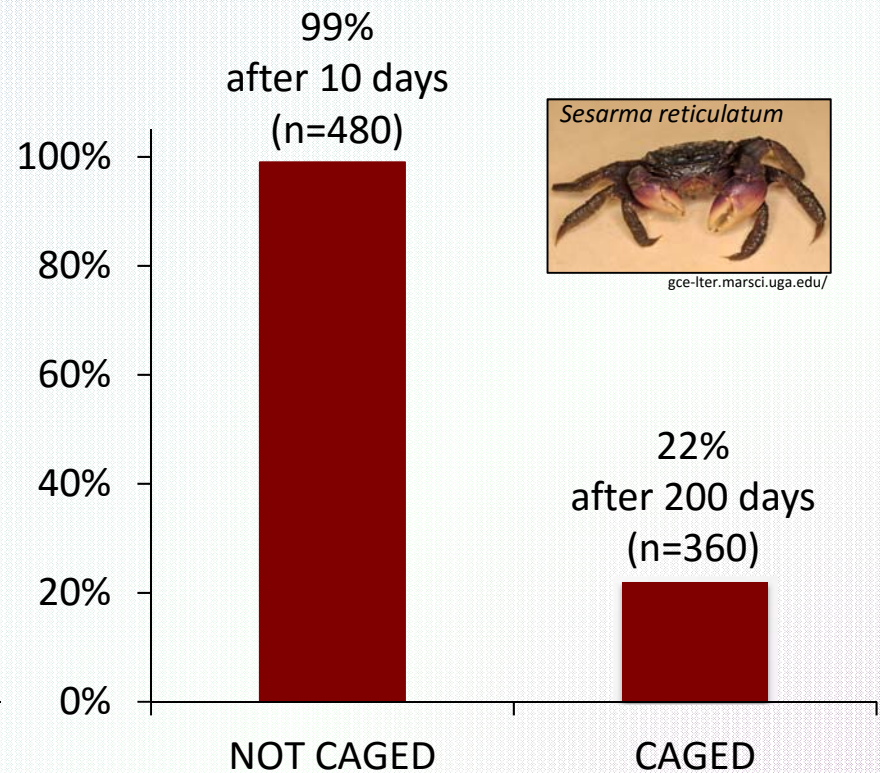


Seedling Establishment & Predation

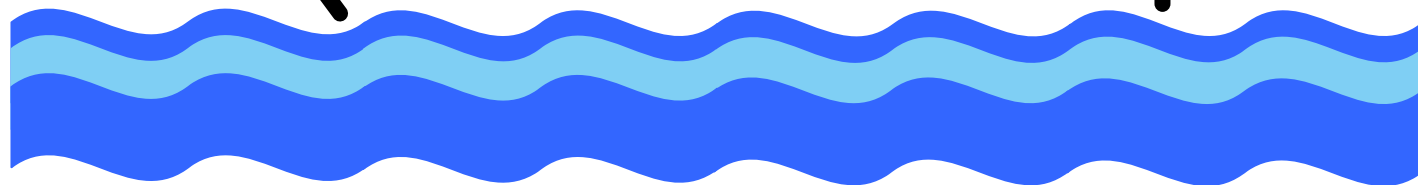
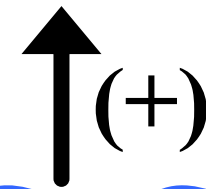
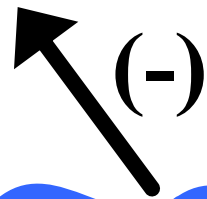
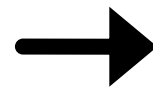
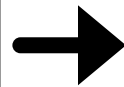
Seedling Establishment of Caged Propagules After 200 Days in Interiors and Edges of Islands



Total Crab Predation



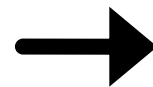
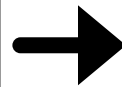
Environmental conditions favor mangrove replacement...



But crab predation inhibits mangrove establishment.

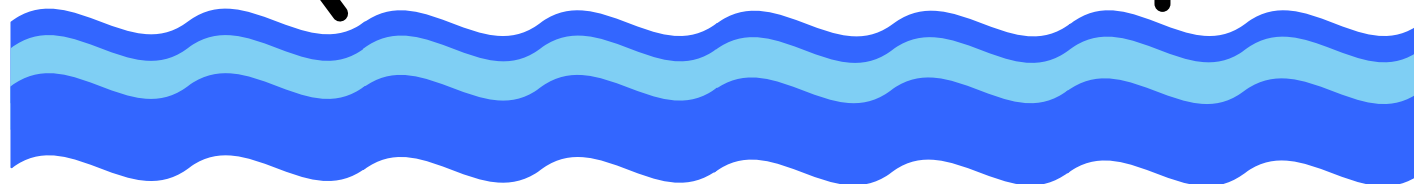


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Stop by Poster #47 for the rest of the story...