

MOTIVATION



Sargassum



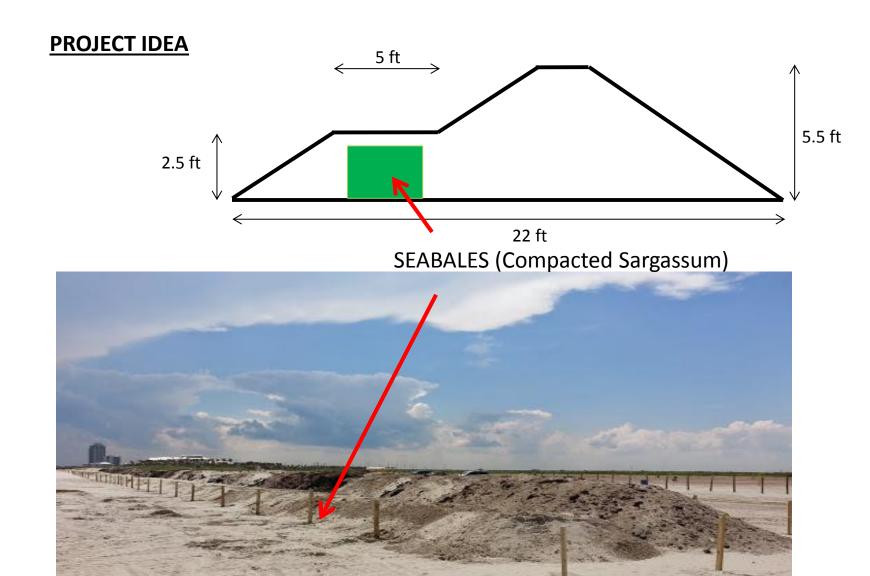




Lack of Dune Protection

Management Practice





What's a Sea Bale?



We made about 120 of these total, this was the first.

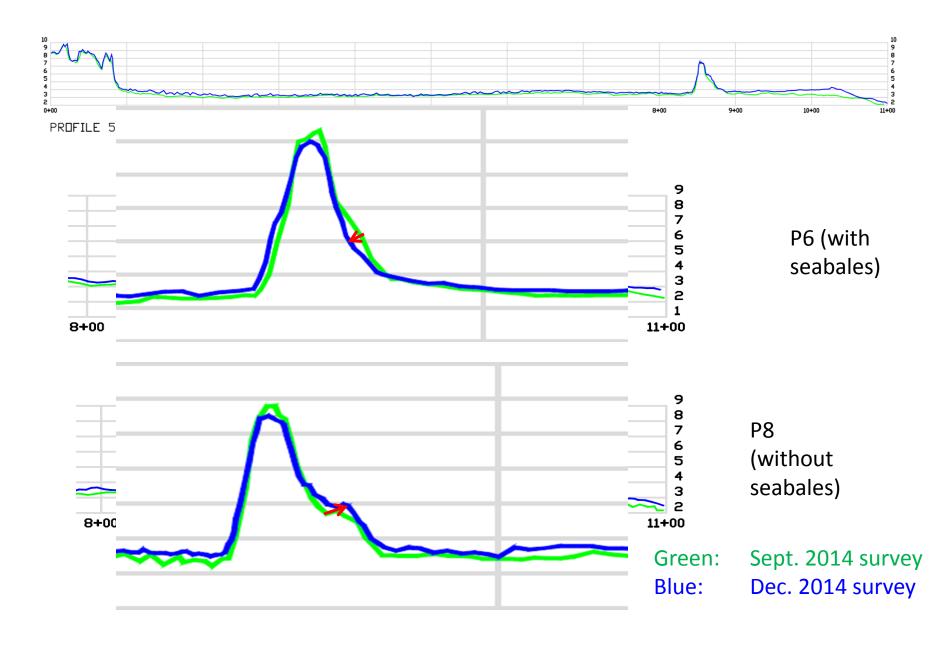


Bales were positioned in front of the dune and then buried in sand.



Each Bale was about 2.5 ft x 2.5 ft x 2 ft. They weighed around 150 lbs. So a total of around 20,000 pounds of seaweed went into a pretty compact area.

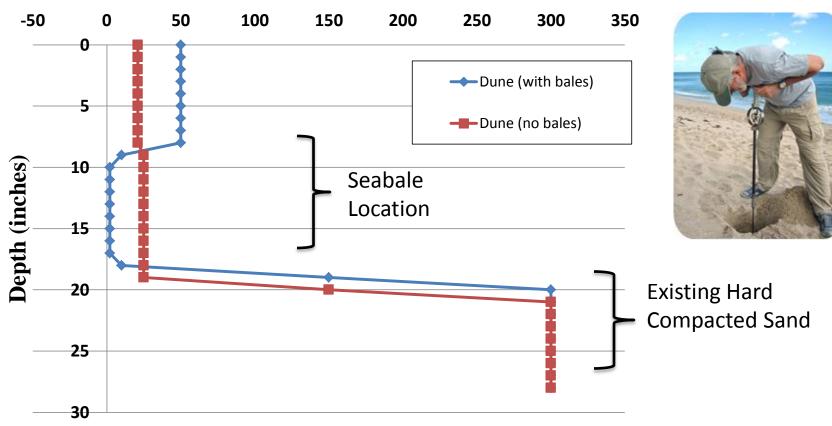
PROFILE SURVEYS



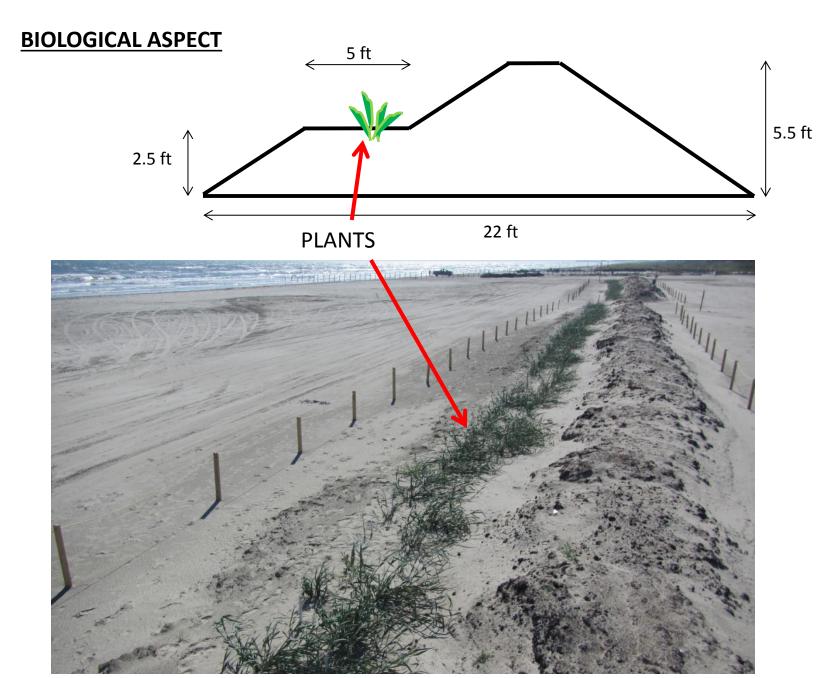
PENETROMETER TESTING



Force Needed to Penetrate Layer (psi)



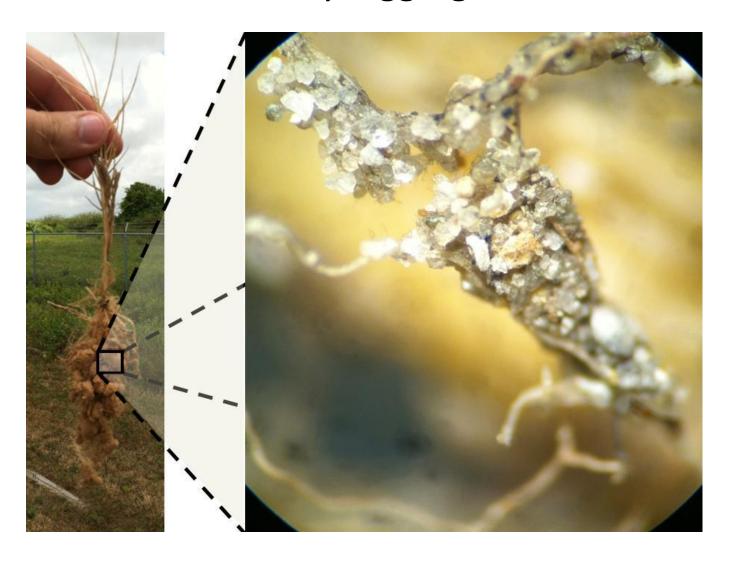
Data collected in Sept. 2014



Does vegetation grow better when planted on top of Sea Bales?

PLANTS AND DUNES

• Claims: Sediment Stability, Aggregation, and Accretion

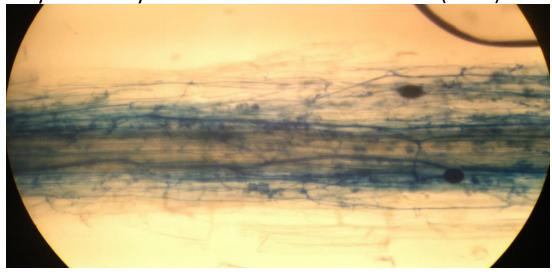


Dune Accretion- 20 weeks

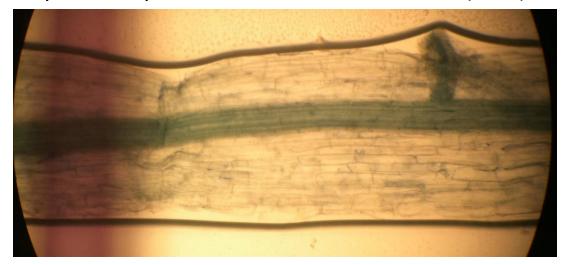


OTHER RESTORATION INTERESTS

Mycorrhizally active *Panicum amarum* root (100x)



Mycorrhizally inactive *Panicum amarum* root (100x)





Rooted Plant



Sprig

QUESTIONS?

