

Restoring Natural Dunes and Protecting People: Community Based Dune Restoration in Hampton and Seabrook, NH



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Coastal Habitat
Restoration Team

Restoring Natural Dunes and Protecting People: Community Based Dune Restoration in Hampton and Seabrook, NH

Overall goal: Increase resilience of the sand dune system in Hampton and Seabrook NH



Funded, in part, by NOAA's Office for Coastal Management under the Coastal Zone Management Act in conjunction with the NH DES Coastal Program

Why Restore Sand Dunes?

- Dunes provide sand for beaches
- Protect landward properties and infrastructure during storms
- Capture sand and store it for the next storm

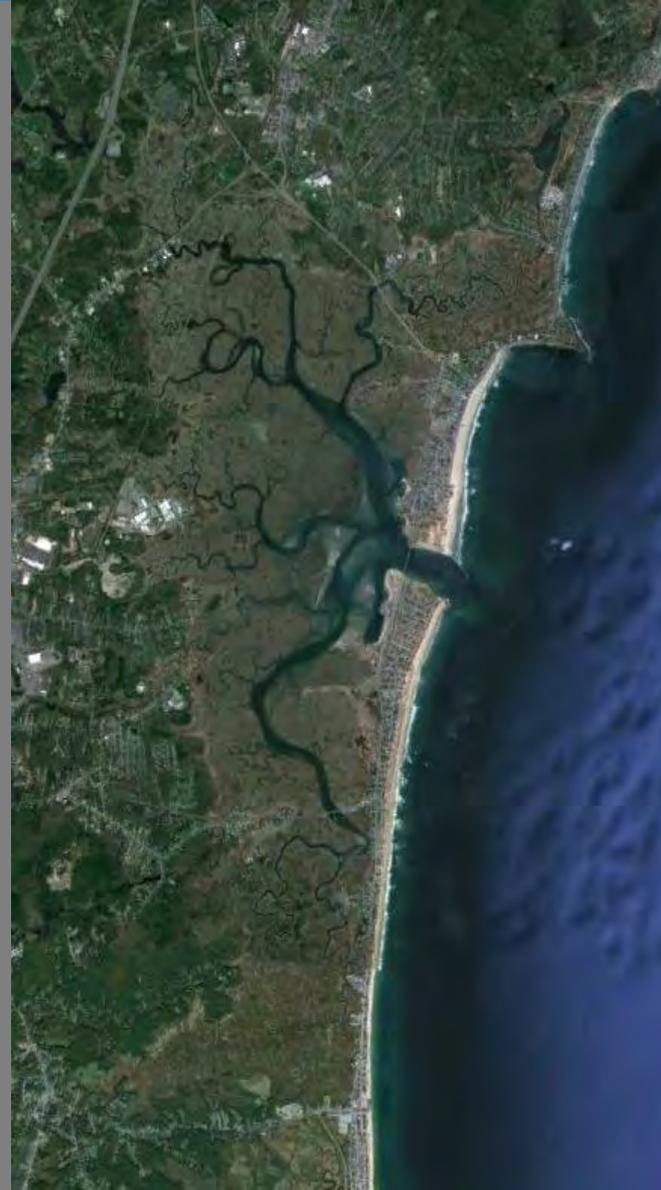
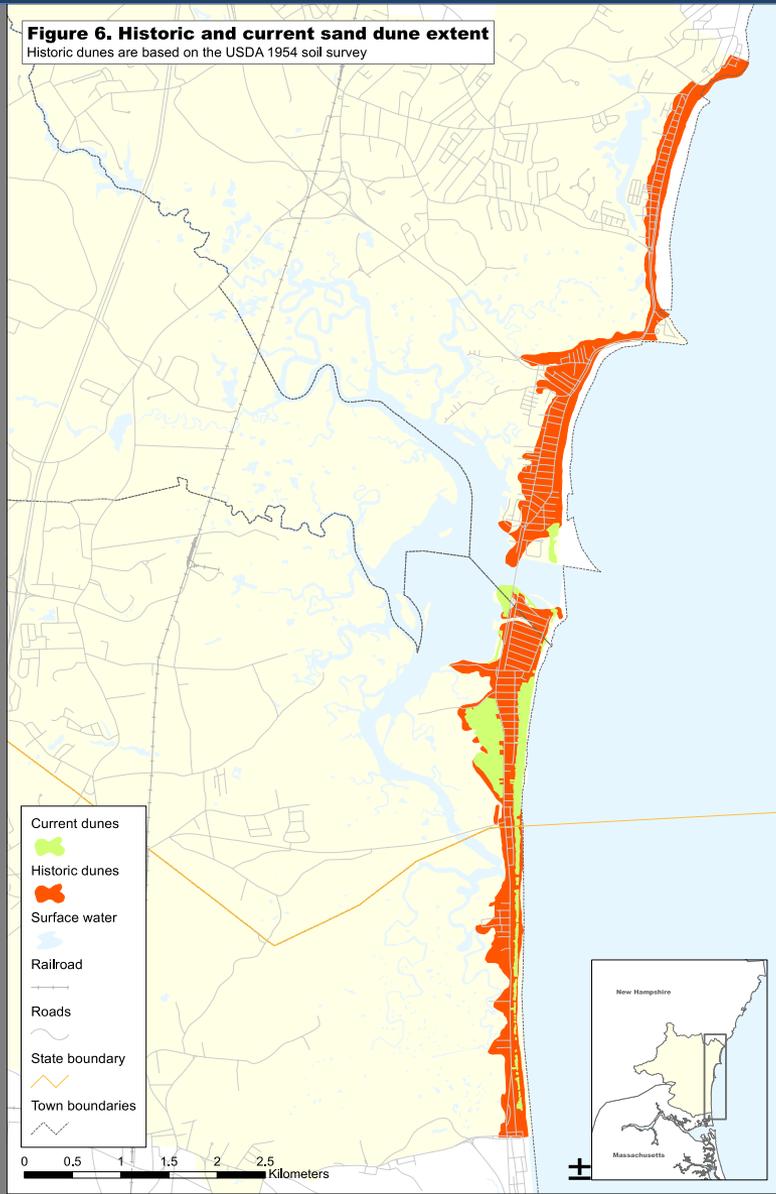


Dunes are sacrificial

Why Restore Sand Dunes?



Why Restore Sand Dunes?



Project locations



Hampton Beach State Park



Harborside Park



Plant donor area

Revegetation and signs to rebuild the dunes



20,000 plants to date
~1.5 acres revegetated

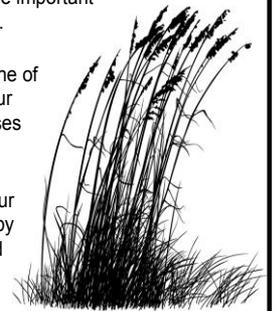


Protect Our Dunes *Use Walking Paths*

Sand dunes are a rare and fragile habitat that are important to wildlife and plants.

Dunes are the first line of defense to protect our homes and businesses from storm damage.

Protect the dunes, our homes, and wildlife by using the designated walking paths.



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<http://seagrant.unh.edu/DuneRestoration>

Engage community in project

Workshop
Presentations
Volunteer driven efforts

323 volunteers
1642 hours



Engage community in project – school programs

14 teachers

226 students

1041 hours of effort



Working with partners



NH Fish and Game

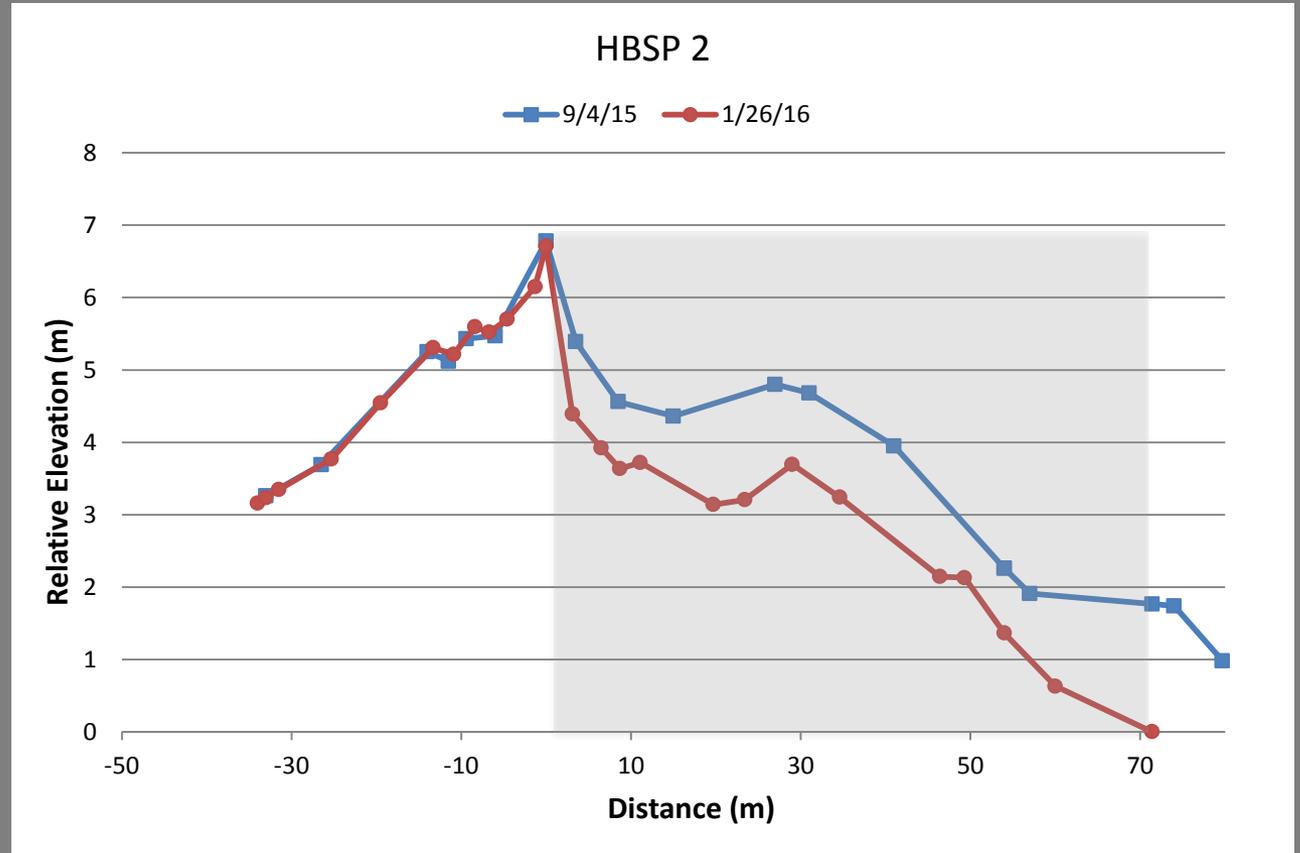
Divert pathway away from prime piping plover habitat



Hampton Conservation
Commission

Develop a plan to restore to
Plaice Cove

Quantify changes in sand volume



Challenges/Next steps

April 2015



September 2015



Challenges/Next steps

Beachgrass dieback



Species diversity



Charting a course for management



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Waves crashing on shore
Unprotected dunes need help
Rescued by beach grass.

Henry A.
5th grade