

Assessing Impacts to Marine Resources from Shoreline Stabilization Projects

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www.maine.gov/dmr

DMR's Role in the Permit Process

Little Bay, Machiasport

- PBR vs NRPA

NRPA

- Below or following HAsT
- Adjacent to salt marsh
- Steep slope (1:1)
- Equipment working in the intertidal

What is DMR concerned with?

Knowles Brook, Addison

Fallen/Overhanging Vegetation

- Shoreline shading
- Habitat structure

Unstable Bluff

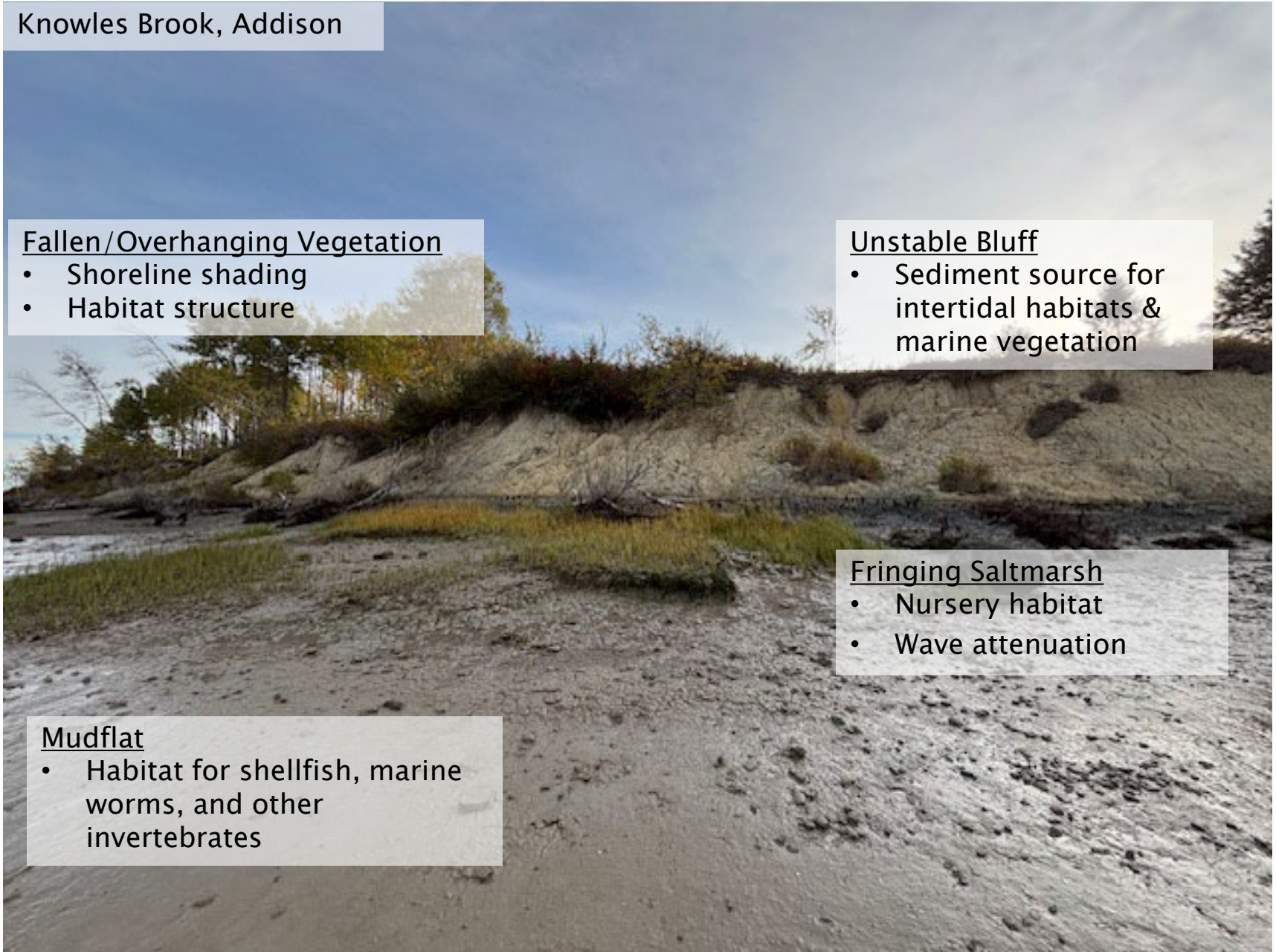
- Sediment source for intertidal habitats & marine vegetation

Fringing Saltmarsh

- Nursery habitat
- Wave attenuation

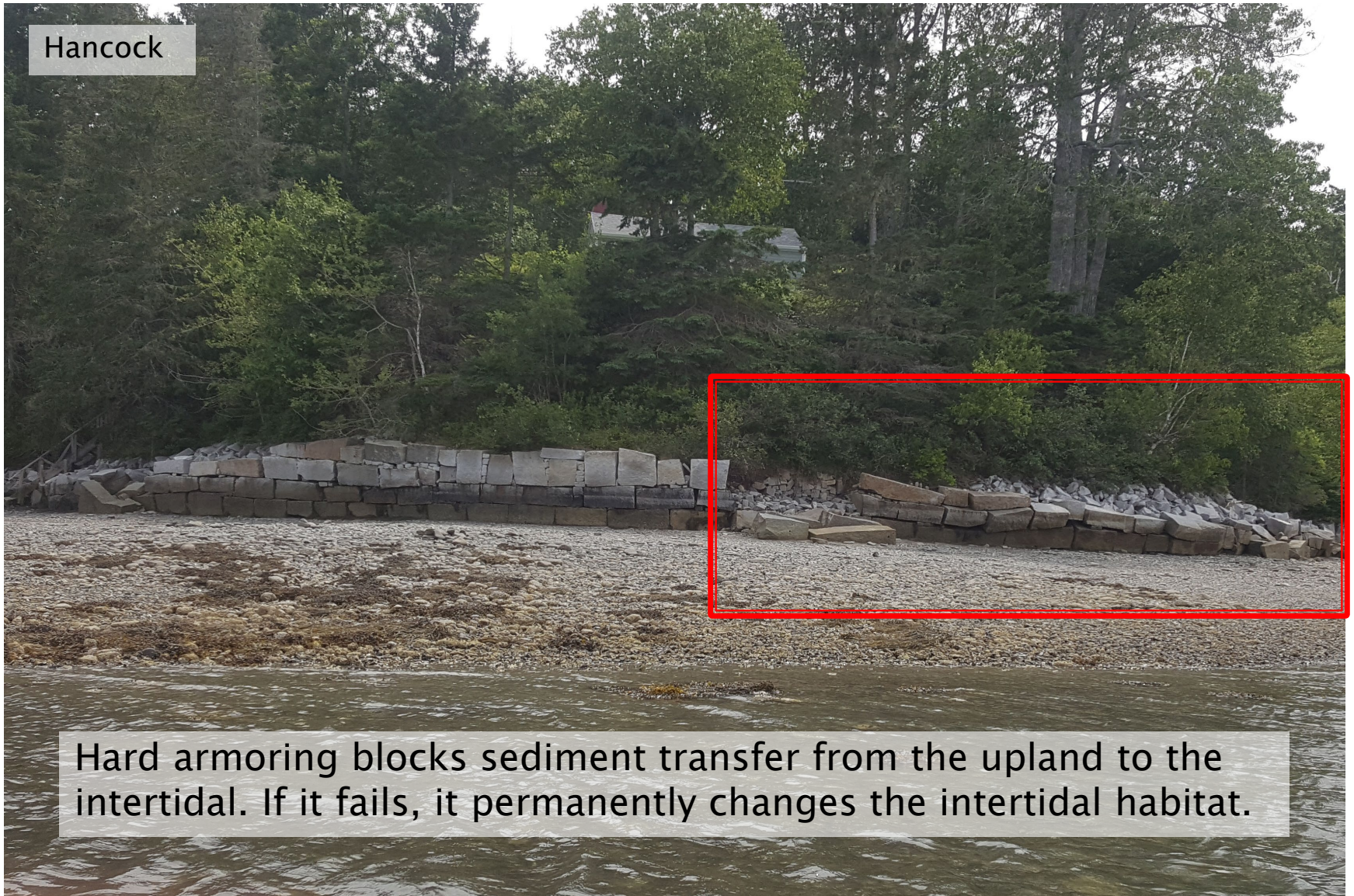
Mudflat

- Habitat for shellfish, marine worms, and other invertebrates



Why are NBS better?

Hancock



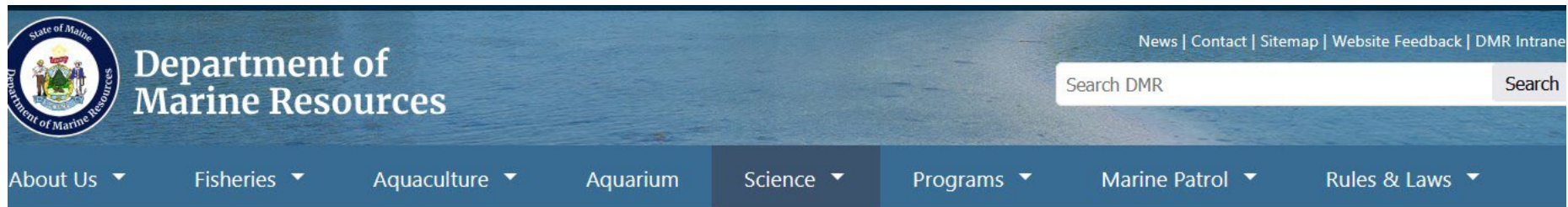
Hard armoring blocks sediment transfer from the upland to the intertidal. If it fails, it permanently changes the intertidal habitat.

Blue Hill Living Shoreline Project



Useful DMR Data

- ▶ <https://www.maine.gov/dmr/science/data-and-maps/dmr-maps-data>



[Home](#) → [Science and Research](#) → [Data, Maps, and Dashboards](#) → Interactive Maps and Data

Science
Species Information
Data and Maps
Interactive Maps and Data
Biological Monitoring & Assessment
Right Whale and Alternative Gear

Interactive Maps and Data

The Department of Marine Resources utilizes ArcGIS Online to provide spatial and tabular data to the public. A number of web applications are also available for interacting with department datasets.

[A guide for using the maps is available here \(PDF file, 5 pages, 905 kb\).](#)

For help with map functionality, please contact [GIS Coordinator, Bill DeVoe](#).

For information on the Lobster Management Area Map, [contact Lorraine Morris](#).

For information on the Scallop Management Area Map, [contact Melissa Smith](#).

For information on the Aquaculture Map, [contact Amanda Ellis](#).

Maine DMR Open Data site

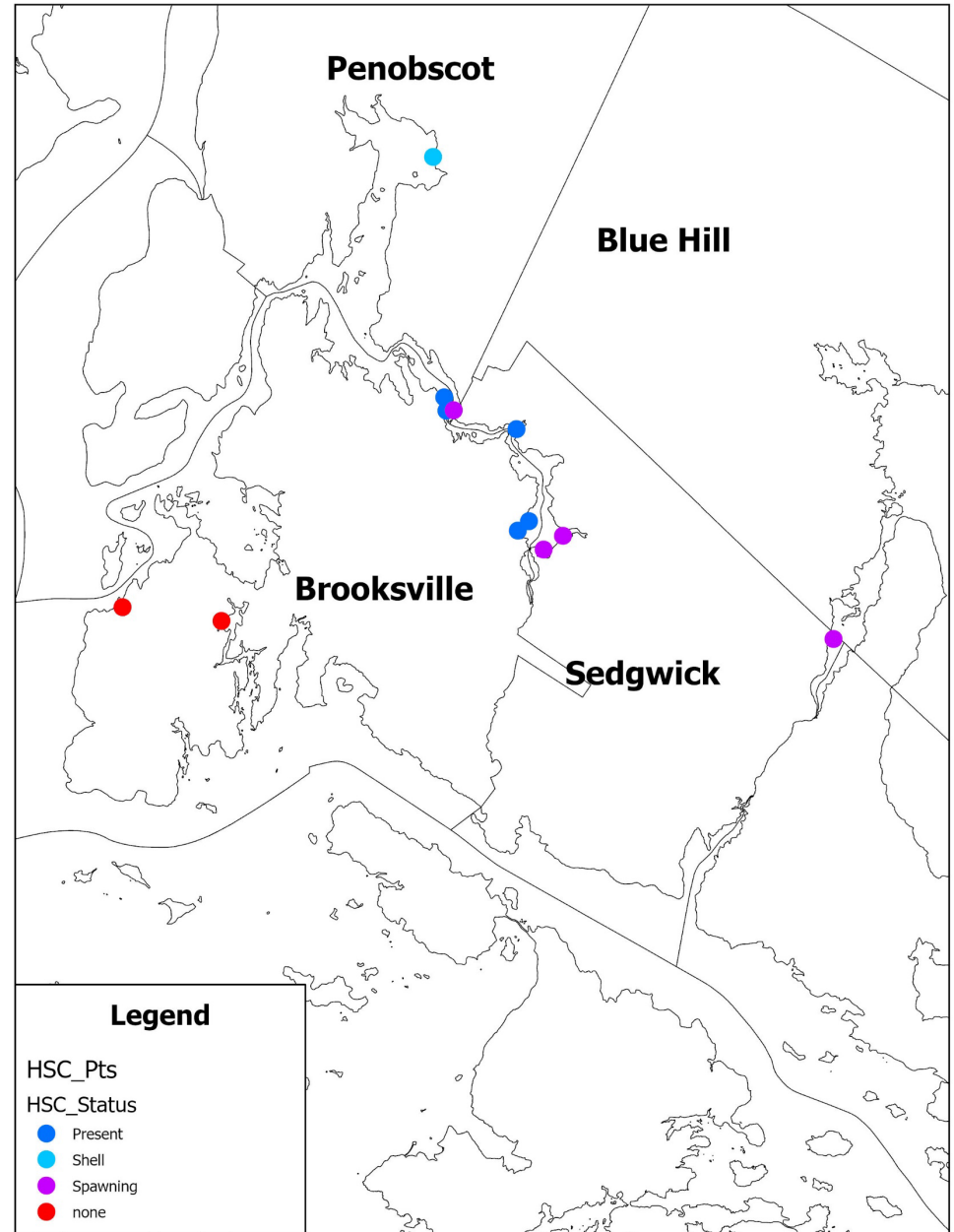
- Preloaded with eelgrass layers, public health closures, aerial imagery, etc.
- User can add layers like molluscan shellfish or marine worms

DMR has mostly historical and some contemporary data on horseshoe crab locations. Contact us for more information!



Jay Turnure
HSC during spawning season
Brunswick

HORSESHOE CRAB SITES Bagaduce River



DMR Environmental Permit Review Program

- ▶ Send all applications to:
 - EnvironmentalReview.DMR@maine.gov
- ▶ More information:
 - <https://www.maine.gov/dmr/programs/environmental-permit-review>