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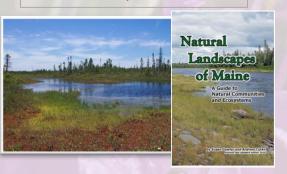
Maine Natural Areas Program

MNAP serves Maine's citizens as a comprehensive source for the State's important natural community and botanical features.

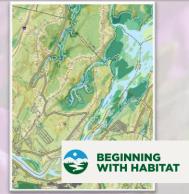
Endangered & Threatened Plants



Rare or Exemplary Natural
Communities and
Ecosystems



Conservation Planning & Environmental Review



Ecological Reserves,
Sentinel Site Vegetation
Monitoring



MNAP provides objective and comprehensive information to equip decision-makers. We share data with other state agencies, town planners, land trusts, and other groups interested in natural resource and conservation planning.

WPDG: "Promoting Resilience, Hydrologic Function, Biodiversity Preservation, and Carbon Sequestration from the Mountains to the Sea."

Project goals:

Improve Maine's classification and mapping of wetland systems with a focus on

- riparian systems and riparian connectivity corridors that prioritize connecting wetlandrich and biologically-diverse areas, and
- aquatic systems that are vital to carbon capture and storage, including peatlands, coastal wetlands, and forested riparian areas.



Site Selection

Landscape Analysis

- NWI
- Forest stand age data
- Climate resiliency data (TNC)
- Potential/proximity to rare botanical features

Example sites

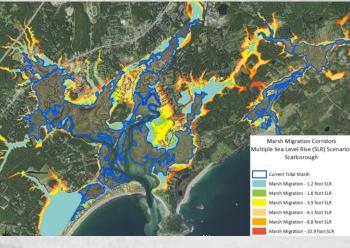
- Large contiguous forested swamps
- Older forest structure
- Coastal peatlands
- Unsurveyed tidal marshes





Results: Tidal Marshes

- Vegetation Wapping
 Program (Maine DEP)
- Completed 2.0 of Marsh Migration Modeling



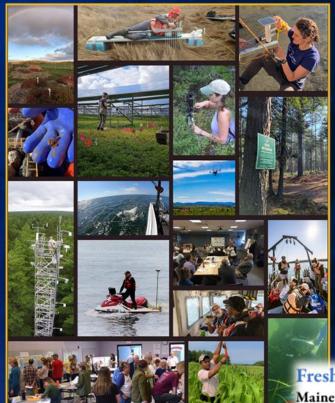


Results and Outcomes

- 50 + sites
- Dozens of new natural community and rare plant records
- Updates to historic records (>20 years)
- Pre-acquisition assessment



Scientific Assessment of Climate Change and Its Effects in Maine





Results and Outcomes

- Updates to State Rare Plant List
- Wetland updates for Scientific and Technical Subcommittee report
- Inform Focus Area updates
- Development and conservation planning

Freshwater

Maine's wetlands are a bright spot for biodiversity and carbon storage, with some of the highest quality and quantity of these types of ecosystems across New England, but remain at risk from poorly planned development and climate impacts. Maine has lost up to 20% of its wetlands since the 1780s, but has some of the most intact

MAINE CLIMATE COUNCIL
SCIENTIFIC AND TECHNICAL SUBCOMMITTEE

