Workshop title: Conservation challenges and management decision making in Maine's coastal forests
Date: July 16h
Time: 10 AM - 1 PM (option second field visit 1:30-3 PM)
Place: Surry Forest



Agenda:

- 10-10:10 Welcome and orientation
- 10:10-10:20 Transition to first station
- 10:20 - 11 First station (see options below)
- 11-11:10 Transition to second station
- 11:10-11:50 Second station (see options below)
- 11:50-12 Transition to lunch
- 12-1 Catered lunch and networking
- 1-1:30 Optional transition to Penny's Preserve in Blue Hill (15 minute drive)
- 1:30-3 PM discuss ecology, conservation, and management of coastal forests at Penny's Preserve

Stations:

A. **Impacts of heat and drought events on tree regeneration in Maine**, by Jay Wason and Laura Pinover. Jay and Laura will discuss results from a recently completed project testing how experimental heat and drought events impacted the growth and survival of 10 tree species native to Maine. Participants will be able to view one of the experimental plantings in the Surry Forest and discuss how the results relate to their management decision making.
B. **Food bearing permaculture and The White Oak Project**, by Kathy Pollard. Kathy, owner of Know Your Land Consulting, led Blue Hill Heritage Trust's restoration of food bearing permaculture in Surry Forest in 2020-2022. She will talk about this endeavor as well as The White Oak Project, an undertaking to assist migration of white oak, hickory, black walnut, and other mast/drupe producing hardwoods as they expand northward in response to a warming climate.
C. **Spruce restoration and enrichment planting,** by Jw Harriman, Rose Gellman, and Nicole Rogers. Jw, Rose, and Nicole will talk about ongoing and planned coastal red spruce restoration efforts. Using the newly published guide to conservation and management of coastal spruce forests (copies available at the event), they will lead a discussion on management options for landowners.
D. **Using tree growth to monitor and understand coastal red spruce forests and climate change,** by Colby Bosley-Smith. Colby will share recent results from ongoing monitoring efforts in coastal red spruce forests including a demonstration of ways to measure and monitor tree growth using increment borers and automated point dendrometers.

Optional afternoon visit to Penny's Preserve.

Characteristics of Mature Coastal Spruce Stands

Hosts will discuss preliminary results from a project examining compositional and structural characteristics of mature coastal spruce forests. Participants will visit the site of a stem mapped forest inventory plot at BHHT's Penny's Preserve and review dendrochronology techniques, regeneration and deadwood surveys and the characteristics of mature coastal spruce stands.

Hosts and presenters:

- **Jay Wason,** Associate Professor of Forest Ecosystem Physiology at the University of Maine. Currently leading a regional collaboration on conservation and management of coastal spruce forests in Maine.
- **Laura Pinover**, masters of science in forest resources student at the University of Maine studying impacts of extreme climate events on tree regeneration.
- **Kathy Pollard**, owner of Know Your Land Consulting and leading several regional ecological conservation efforts.
- **JW Harriman**, conservation forester and land manager for the Blue Hill Heritage Trust.
- **Rose Gellman**, recent masters of forestry graduate from the University of Maine and lead author of "Coastal Spruce Forests: A Guide to Ecological Management". Currently a program coordinator focusing on climate adaptive forestry at the Smokey House Center in Vermont.
- **Nicole Rogers**, landowner outreach forester with the Maine Forest Service.
- **Colby Bosley-Smith**, PhD student at the University of Maine studying ecology and conservation of coastal red spruce forests in Maine.

