



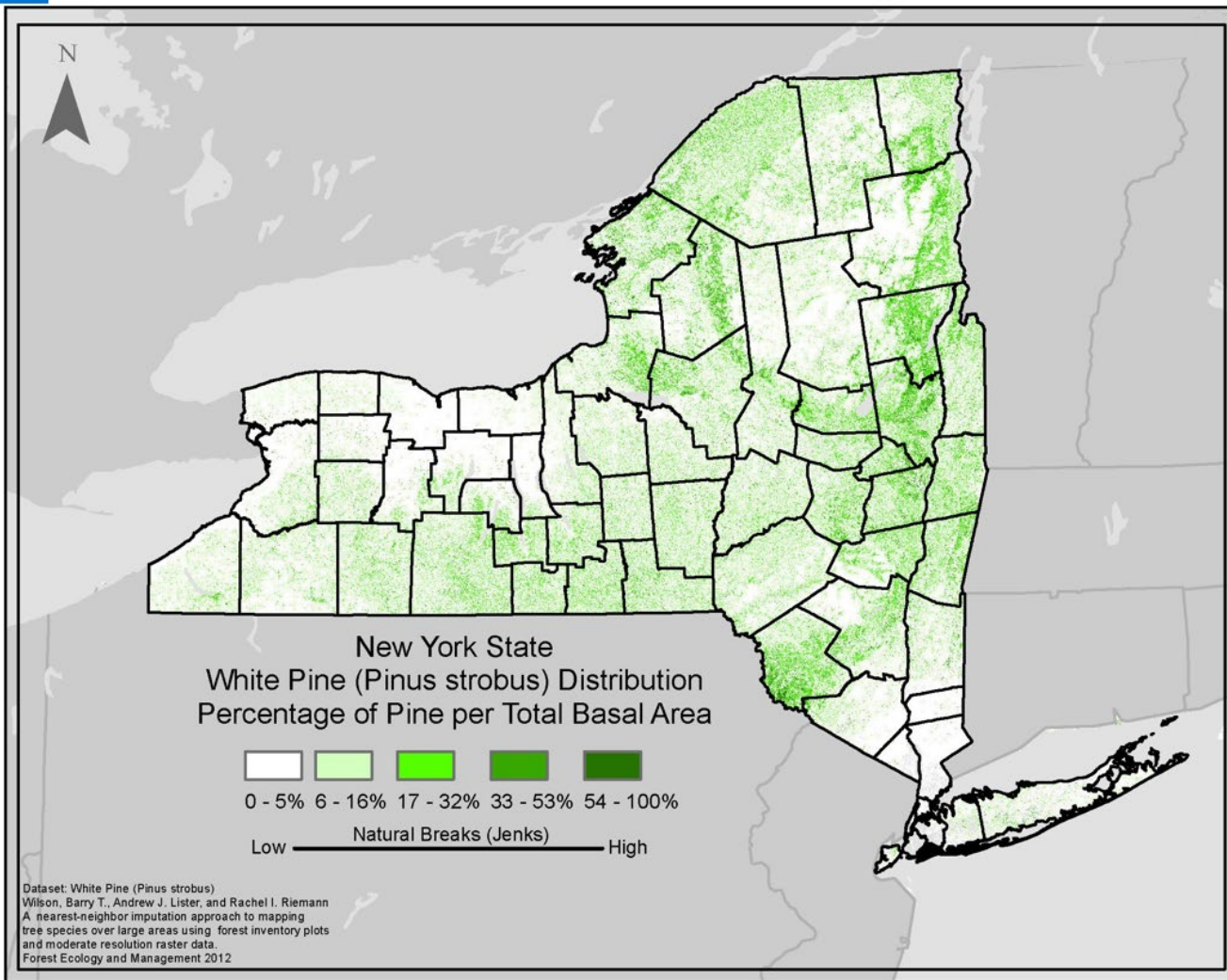
Department of
Environmental
Conservation



New York: Forest Conditions and White Pine Management

Jessica Cancelliere, Research Scientist
Rob Cole, Forester
NESAF White Pine Symposium
March 24, 2022





DEC Lands-

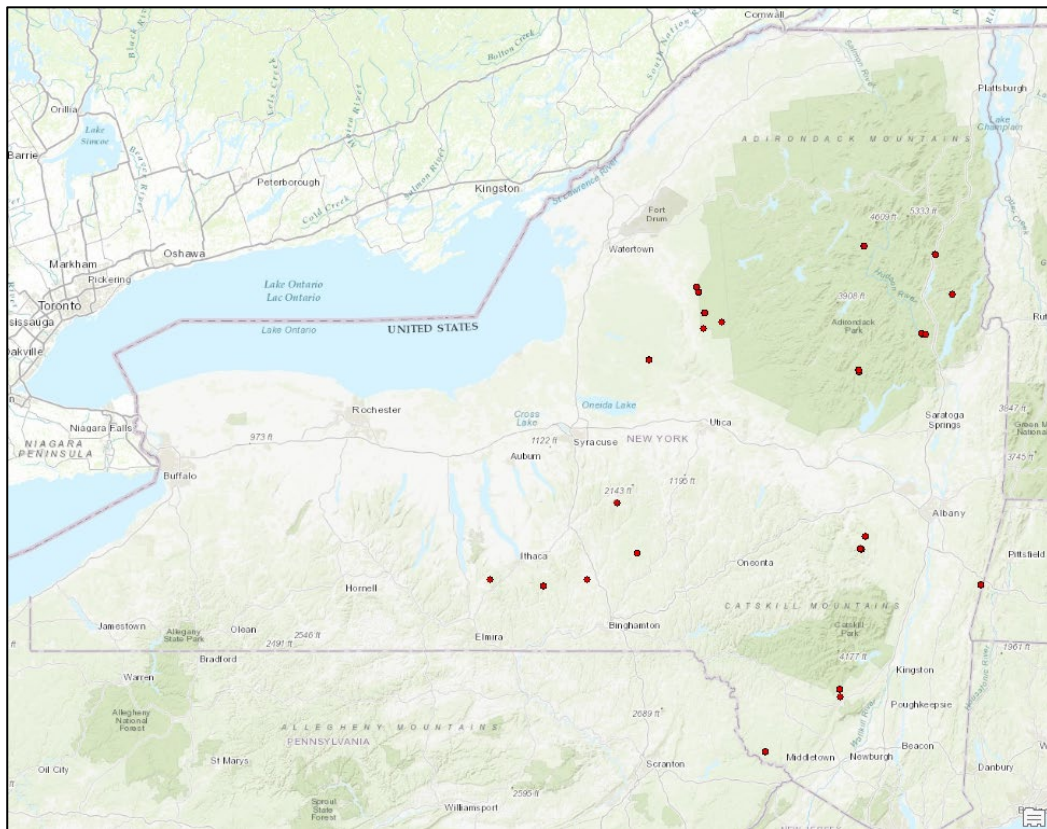
8,295 managed stands

147,187 acres



Department of
Environmental
Conservation

Monitoring Plots



Plantations & natural stands

Managed & unmanaged

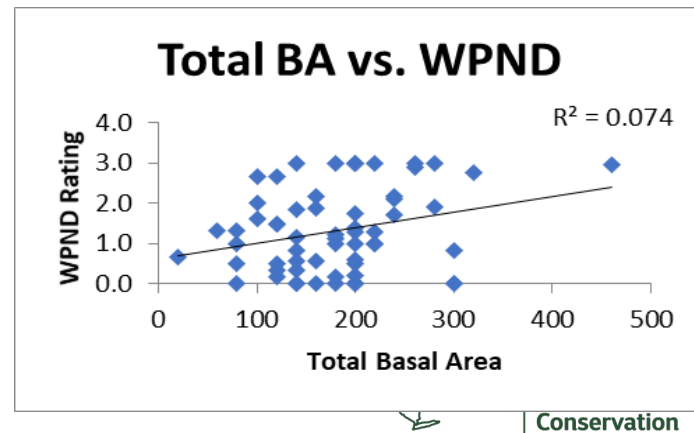
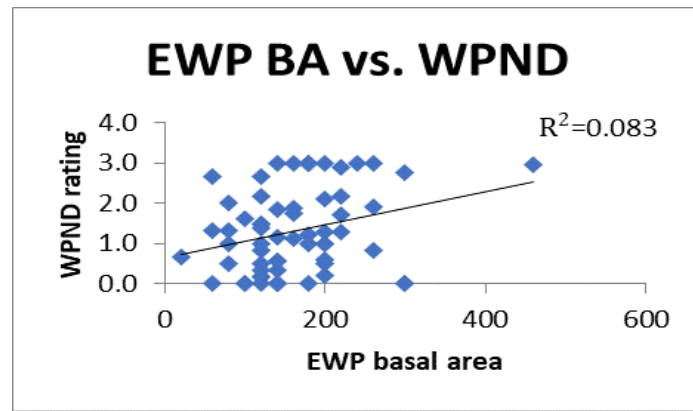
High & low site index



Department of
Environmental
Conservation

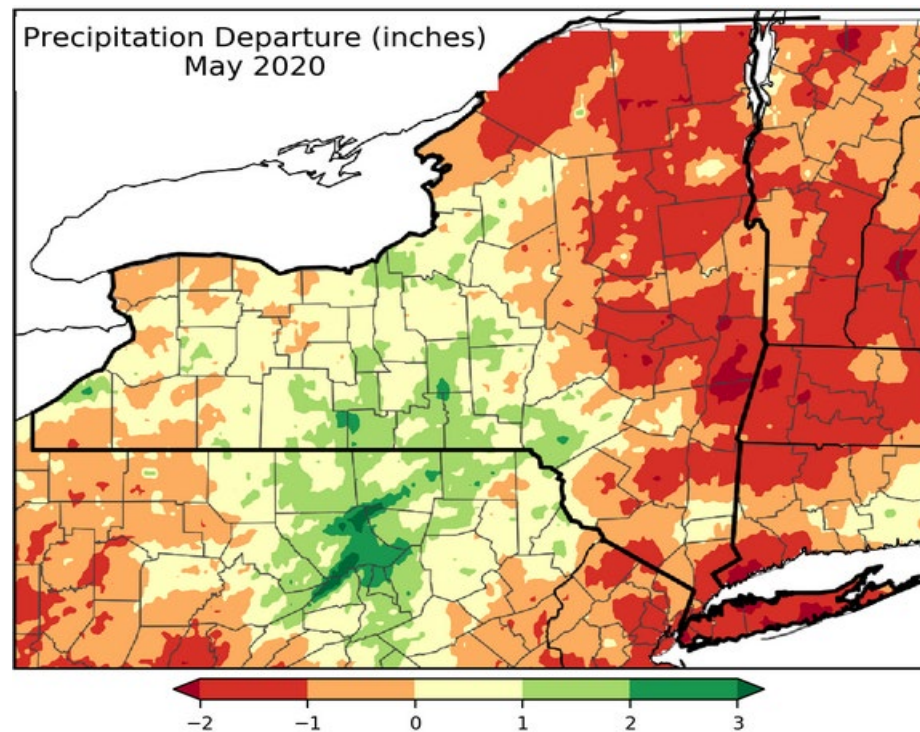
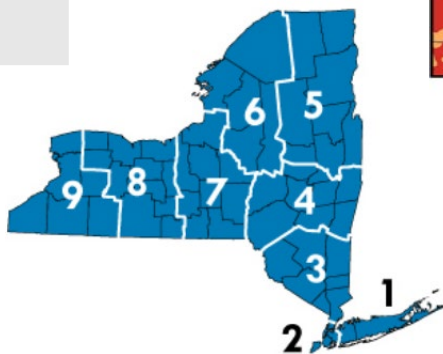
Monitoring Plots

- 29 plots
- Average BA = 179 ft²
- Live crown ratio ~ 26%
- Crown transparency ~ 53%



Needle damage

Region	WPND (0-3)
1	1.34
3	0.02
4	0.57
5	1.39
6	2.9
7	2.81



Poor regeneration in 57% of plots

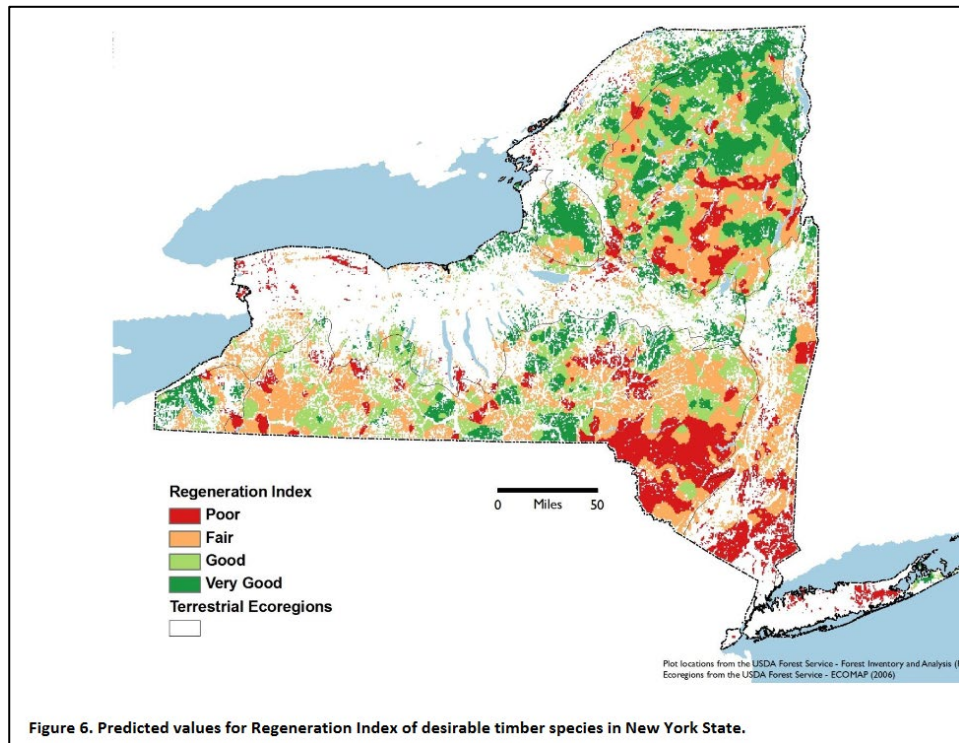
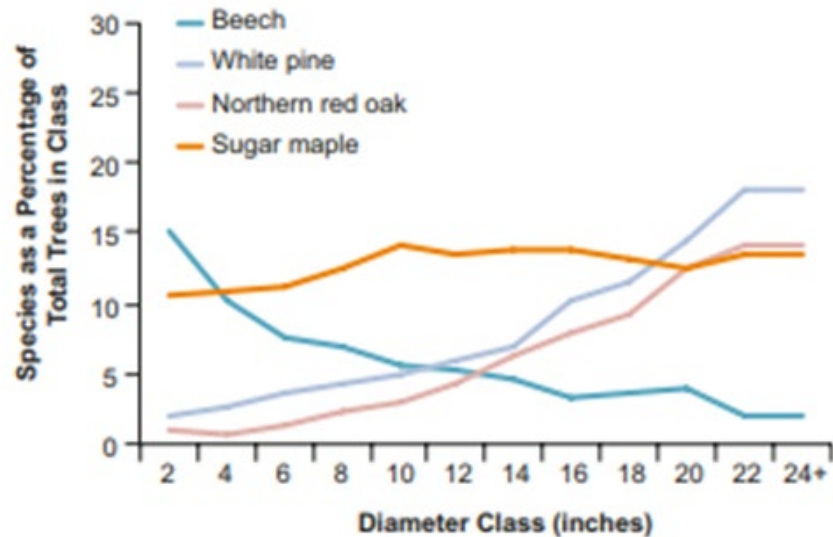
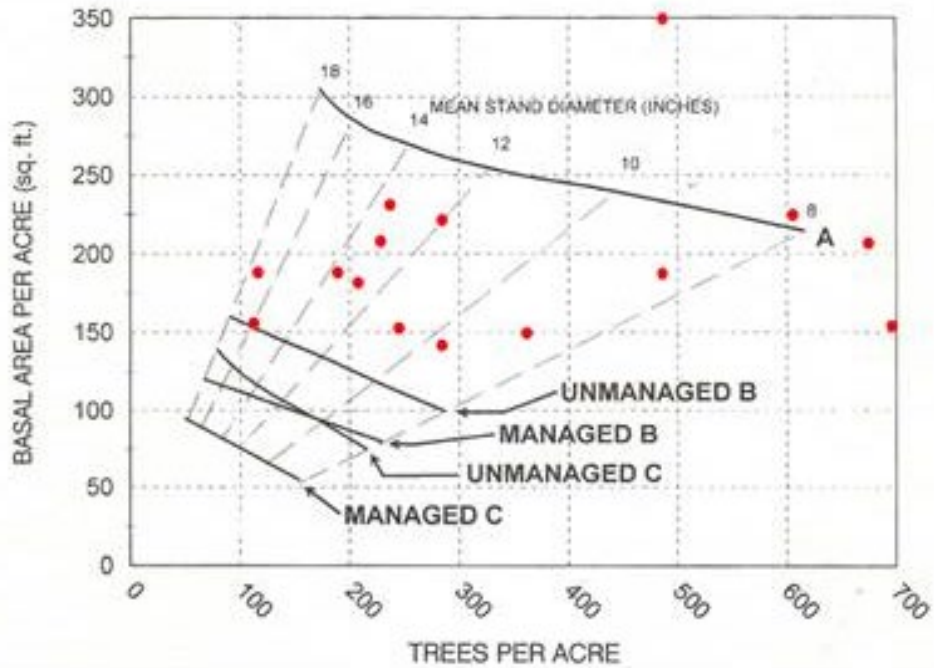


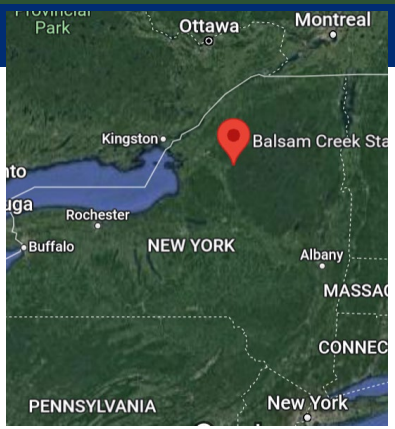
Figure 6. Predicted values for Regeneration Index of desirable timber species in New York State.




Rebecca Shirer and Chris Zimmerman, Forest Regeneration in NYS, The Nature Conservancy, 2010



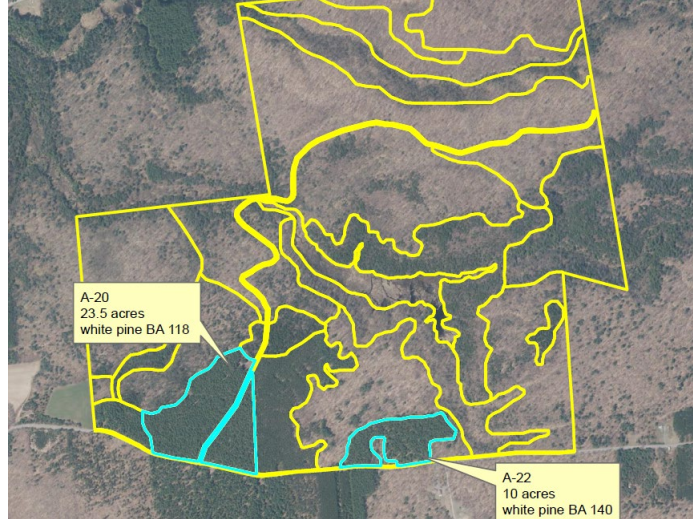
Demo Forest – Balsam Creek State Forest



THE UNIVERSITY OF MAINE
Maine Agricultural and Forest Experiment Station
Maine Forest Publications 164
June 2019 | ISSN 1539-1004



Field Manual for Managing Eastern White Pine Health in New England
William H. Livingston, Isabel Munk, Kyle Lombard, Jennifer Weimer, Aaron Bergdahl, Laura S. Kettic, Barbara Schultz, Robert S. Seymour
College of Natural Sciences, Forestry, and Agriculture



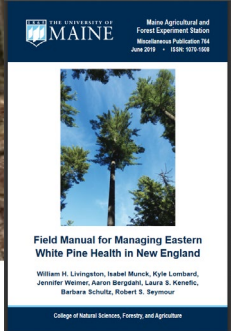
A-20
23.5 acres
white pine BA 118

A-22
10 acres
white pine BA 140

Low density mgmt at Boyhaven



**Bill Livingston
in NY – July
2021**

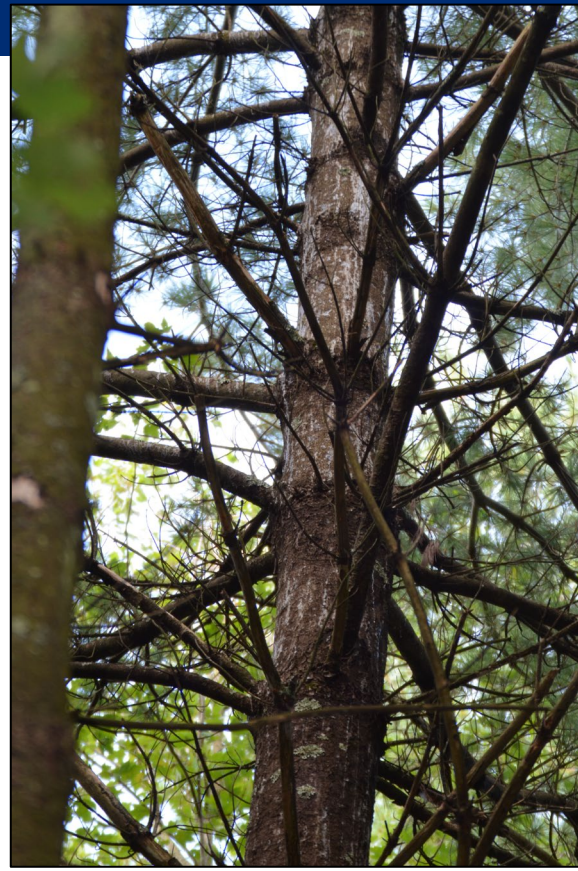


Ushers Road State Forest

Figure 1. Ushers Road State Forest (Stand 2-4) Eastern White Pine Health Plot Summary

Plot	Total Basal Area (ft ²)	# EWP stems	Mean EWP DBH (inches)	% stems w/ WPND	% stems w/ bole resinosis	# resin streaks/tree (range)	EWP mortality
1	260	10	14.75	60	100	30-50	0
2	160	5	16.25	80	100	4-50	1
3	120	5	26.75	60	100	11-60	2

Saved to this PC



SPB in white pine – East Hampton, NY 2018



USFS, Dartmouth, LI Pine Barrens Commission, DEC



Thank you!



**Department of
Environmental
Conservation**