



NEW YORK
RESTORATION
PROJECT

Potentially Disease Resistant American Chestnut Establishment in Highbridge Park

Jason Smith

Director of Northern Manhattan Parks

November 15, 2023





Harlem River

87

Highbridge Park

800 ft



Zadok Hill Terrace

Zadok Hill Terrace

Harlem River Dr

Amsterdam Ave

Amsterdam Ave

St Nicholas Ave

St Nicholas Ave

Amsterdam Ave

Undercliff Ave

Richmond Ave



2017



1910

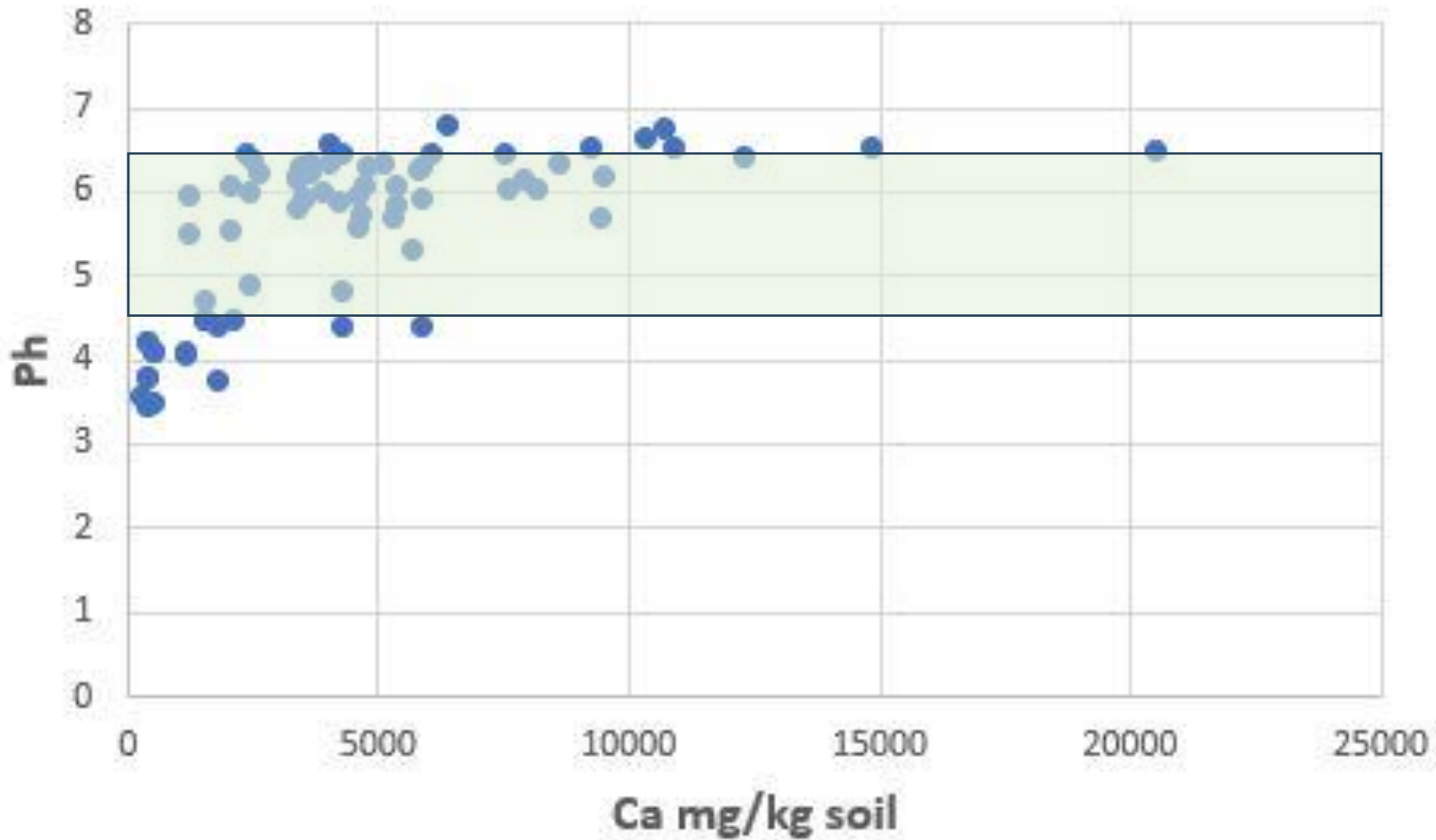


2018



**2020:
Observed
Chestnut
Blight**





Restoration Site Soil



Preferred pH for American Chestnut: 4.5-6.5

Site soil:
Rock outcrop-Hollis
Chatfield Complex,
Undisturbed Ph: 3.5-6



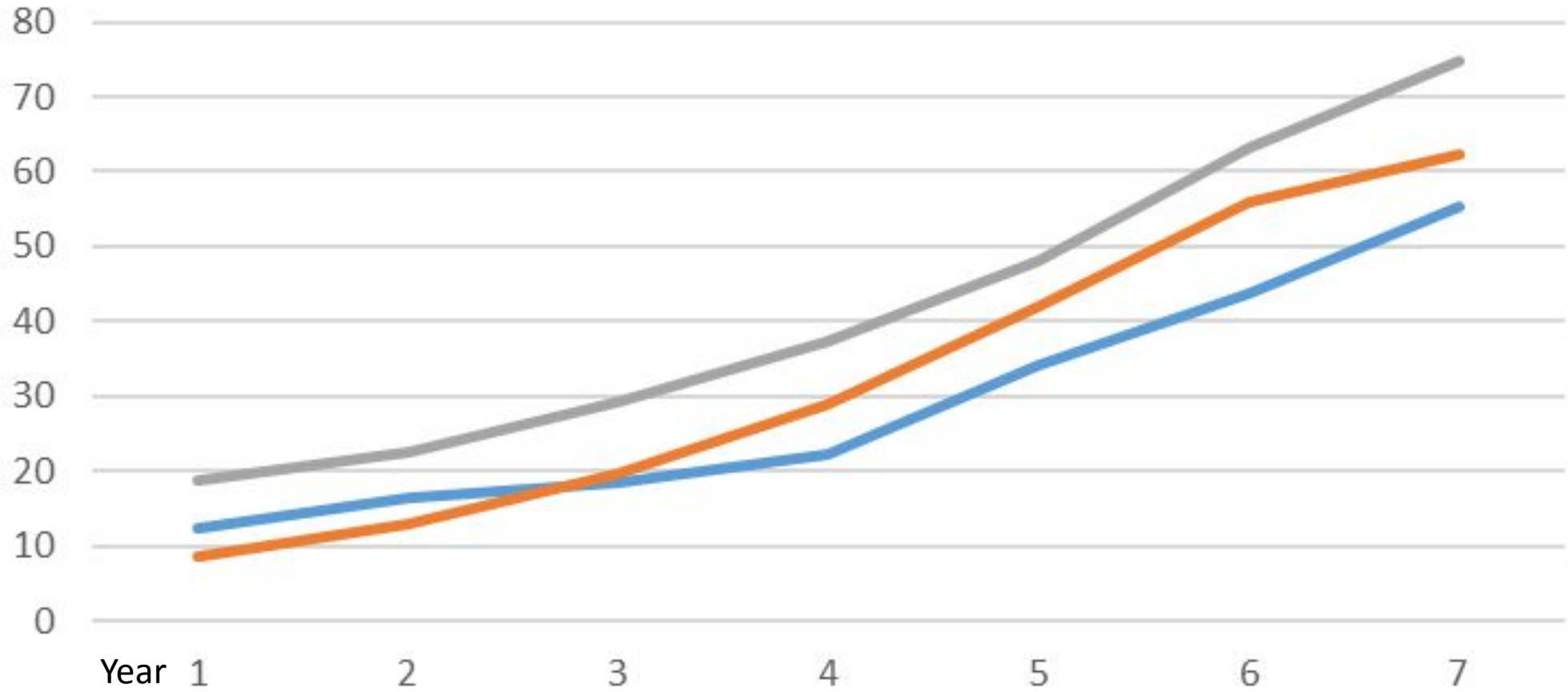
Other Challenges...

- chestnut mortality: ~49%
- black oak and white pine mortality: ~6%



Diameter
(mm) at base

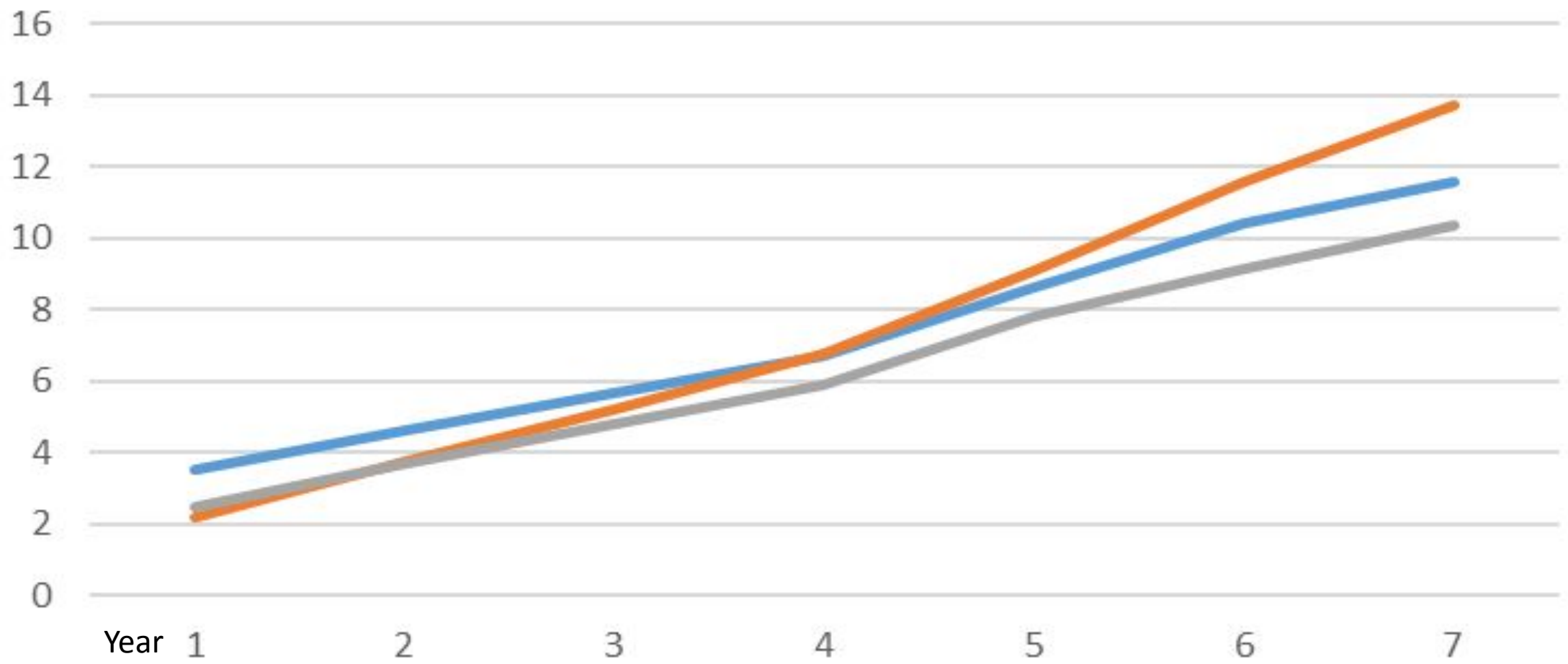
Tree Diameter



— Black Oak — Chestnut — White Pine

Tree Height

Height
in feet



— Black Oak — Chestnut — White Pine



2023



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Thank you!

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