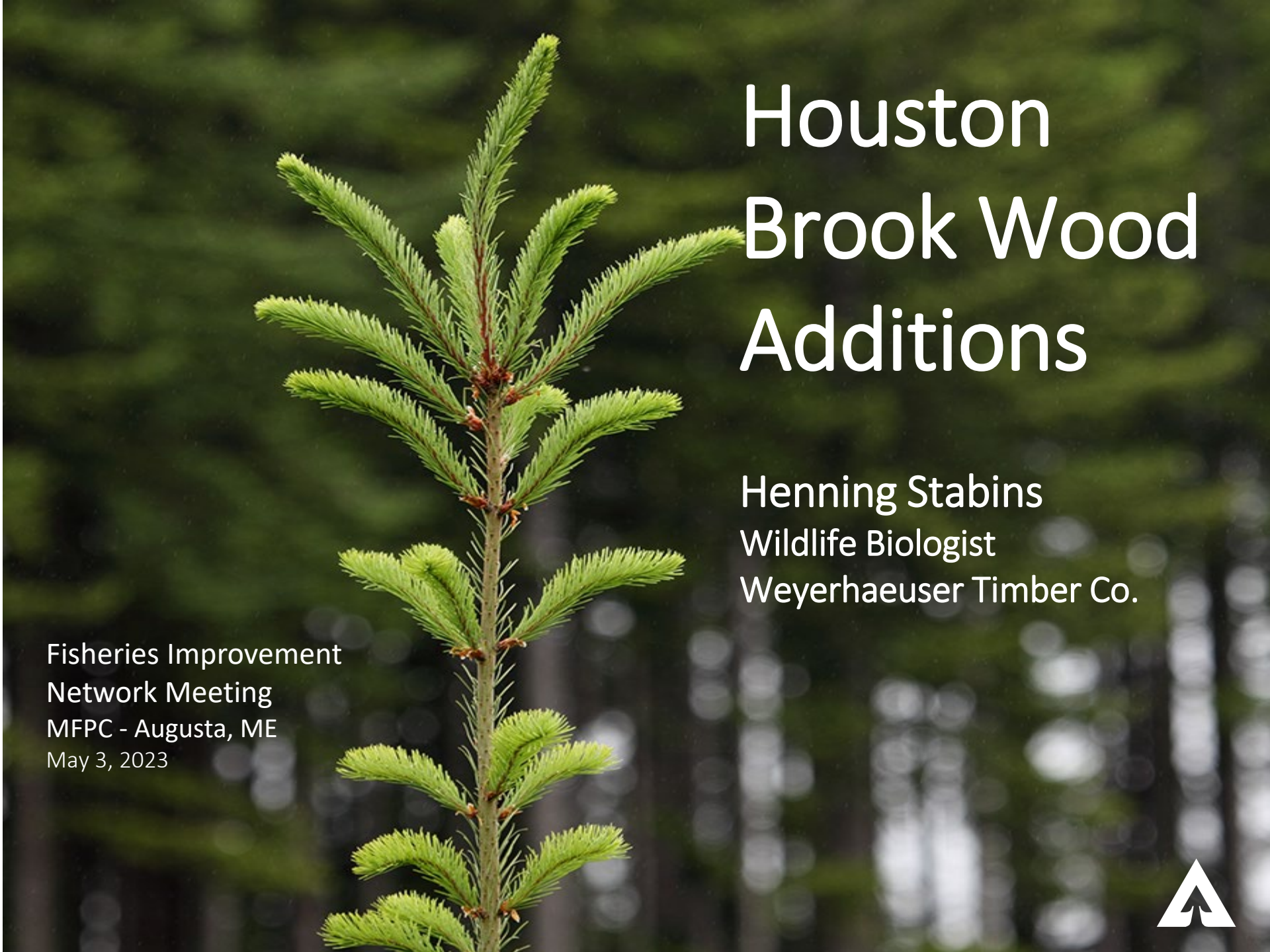


Houston Brook Wood Additions

Henning Stabins
Wildlife Biologist
Weyerhaeuser Timber Co.

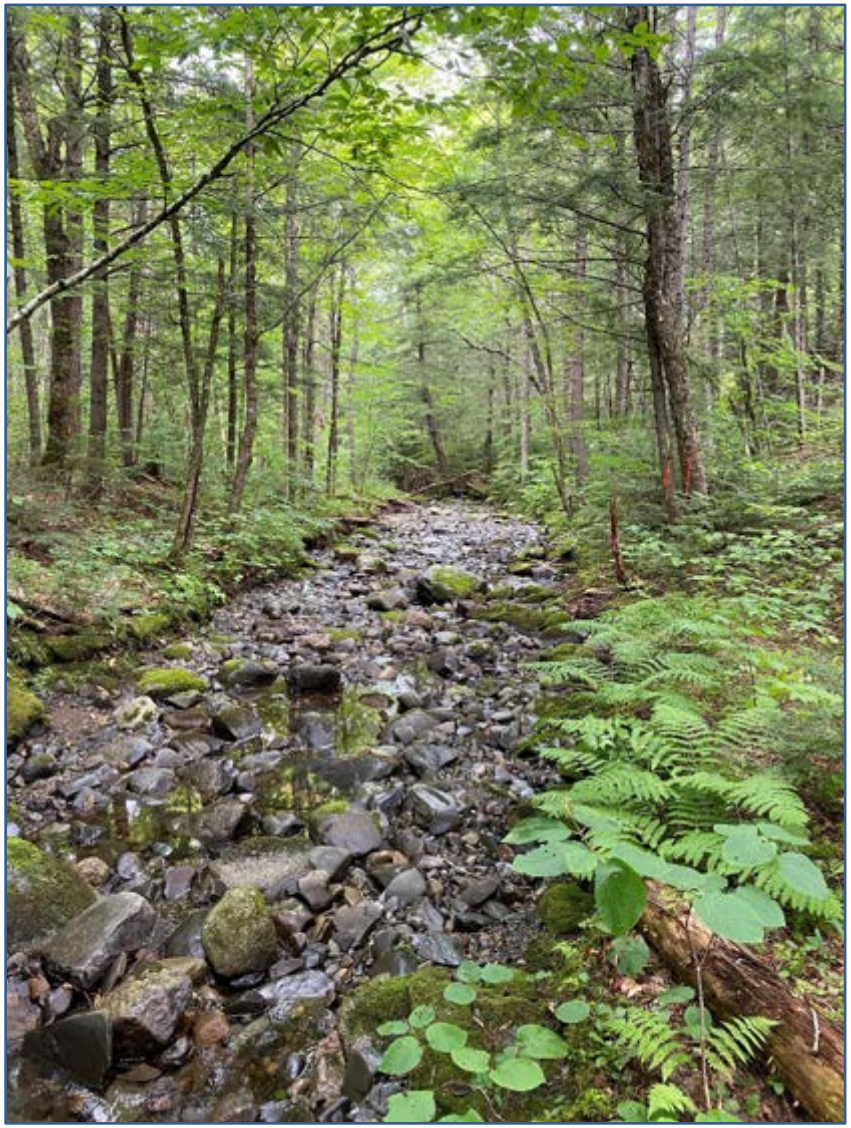
Fisheries Improvement Network Meeting
MFPC - Augusta, ME
May 3, 2023

Houston Brook, near Bingham, ME

Why Houston Brook?

Several reasons:

- Knowledge of past log drive stream conditions
- Convenience – access to stream, WY local office
- Can build on work over multiple years among stream branches in the watershed
- Consultation with ME IFW - Fisheries



Easy & Simple Process

- Contacted IFW & MFS – site review
- 3 Weyerhaeuser staff joined Chop & Drop training (virtual & field)
- Marked trees to be felled in collab with IFW
  - Data on tree species, felling direction, & BFW
- IFW developed a Wood Addition Plan
- Coordination on Forest Operations Notification
- Hired a local tree service contractor
- ½ day of felling by team of 4
- ~$2,500 = 1 mile of stream, ~130 trees

Wood Addition Plan

No.	Bank	Tree Species	Notes
1	RR	maple	Perpendicular to channel, straight across, multi-stem
2	RL	birch	Across channel, upstream of hemlock on opposite bank
3	RL	red maple	perpendicular to channel, between hemlock and ash on opposite bank
4	RL	red maple	Across channel
5	RL	yellow birch	Across channel, upstream of ash on opposite bank
6	RL	birch	Across channel, upstream of hemlock
7	RL	birch	Across channel, upstream of old natural key piece on RR bank
8	RL	birch	Fell slightly upstream and on top of downed birch in channel
9	RL	Ash	in from bank, try to fell so crown falls onto cobble bar in channel
10	RL	maple	Fell on top of #9 in a slightly upstream direction
11	RL	ash	across channel upstream of silver maple on RR
12	RL	maple	fell in upstream direction so top is upstream of silver maple on RR

Chop & Drop Wood Addition Plan

Project Name: Houston Brook and Tribs

Town: Concord TWP County: Somerset Landowner: Weyerhaeuser

GPS Coordinates (Lat/Long DD)

Upstream end:	Lat: 45.041369	Long: -69.990318
Downstream end:	Lat: 45.051839	Long: -69.978739
Total Distance:	0.99 mile	

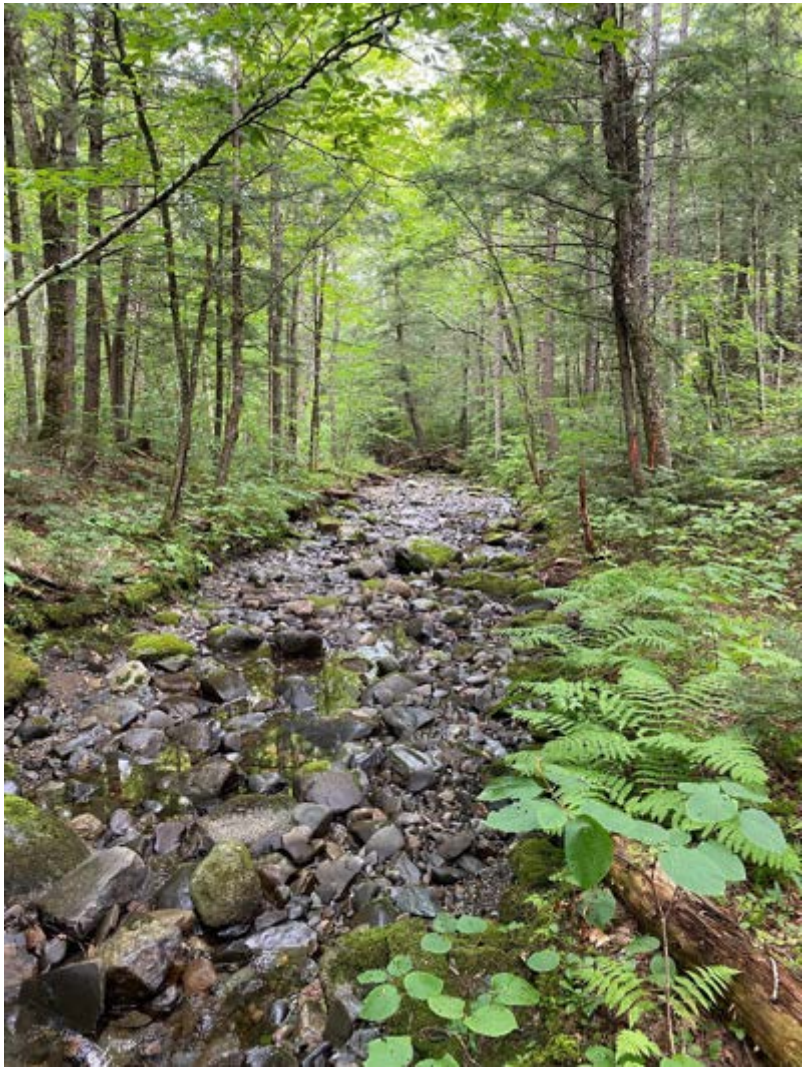
Average Bankfull width (ft)	
Transect#	Measurement
1	18
2	21.7
3	18.6
4	15.9
5	16.1
Average	18.06

Key Pieces	
Total # for treated area:	104
Average spacing between key pieces: (estimate is ok)	100 ft

Project Site Map(s):

Signatures		
Signature:		Signature:
Date:		Date:
Print Name & Title	Merry Gallagher, Native Fish	Forester, Print Name:
IFW or DMR Biologist	Conservation Biologist (IFW)	License #:

Wood additions



Wood additions

Wood additions

Wood additions

Wood additions

Wood additions

Wood additions

Where to from here….

- Use a logging contractor to do this work while harvesting adjacent upland
  - More efficient & cost effective
  - More landscape scale potential
  - Programmatic plans

- Continue work in Houston Brook
  - Assess outcome
  - More segments…