Forests, Fire, and Culture: Silvicultral & Fire Treatments to Enhance Nontimber Forest Products

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NTFPs = Cultural resources

"not much less necessary to the existence of the Indians than the atmosphere they breathe(d)."

U.S. vs. Winans (198 U.S. 371, 381; 1905)



Culture/Economy

- Significant economic resources
 - > Broader definition of economic
 - > Economic scales
- Essential cultural resources
 - **≻Identity**
 - > Practices



Sensitive resources

- Food
- Artisanal & utilitarian
- Medicinal
- Spiritual & ceremonial

Public Culture

Sacred & Proprietary Culture





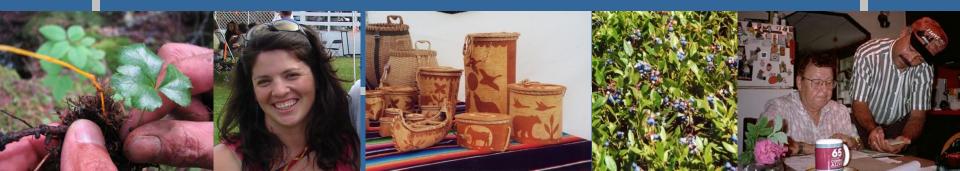
NTFPs @ every phase

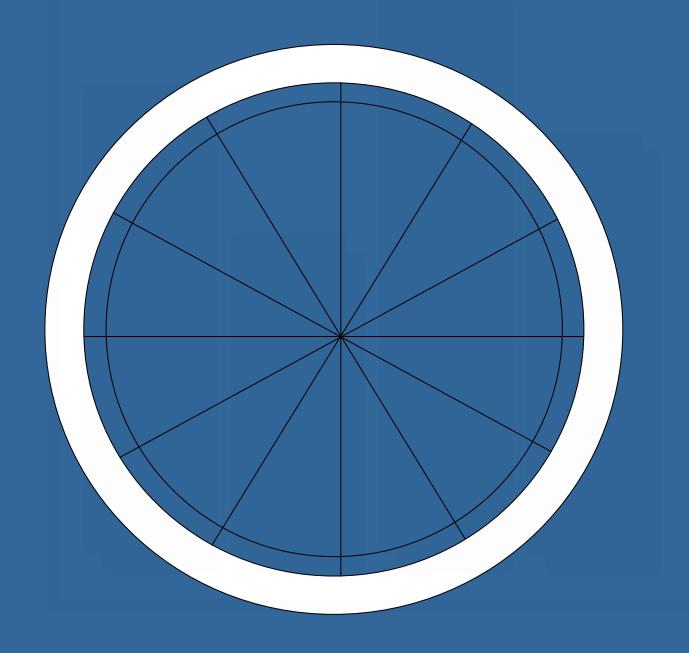
- Who
- What
- When
- Where
- Why
- How (Not necessarily in that order)



What

- Species
- Parts
- Characteristics





Who

Last name	First name	Contact	NTFP 1	NTFP2	NTFP 3
Benedict	Mike	XXX-XXXX	Black ash	Sweetgrass	Birch bark

Where

- Your expertise & observations
- Traditional ecological knowledge
- Scientific & amateur literature
- Amazing what's on the internet!

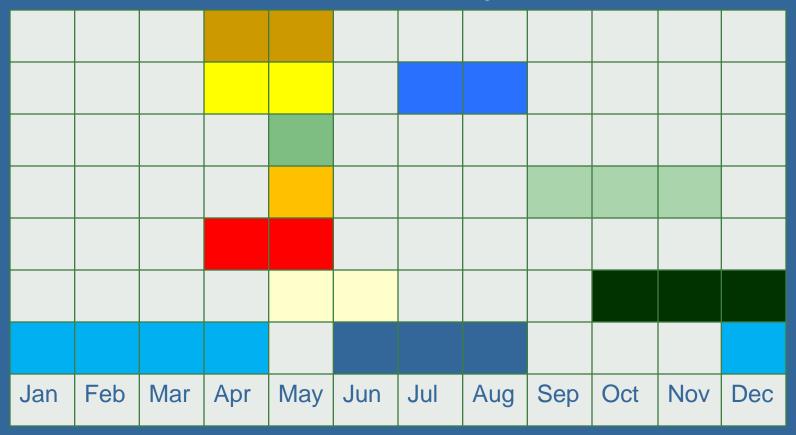


When

- Annually
- Stand development & management phase



Annually

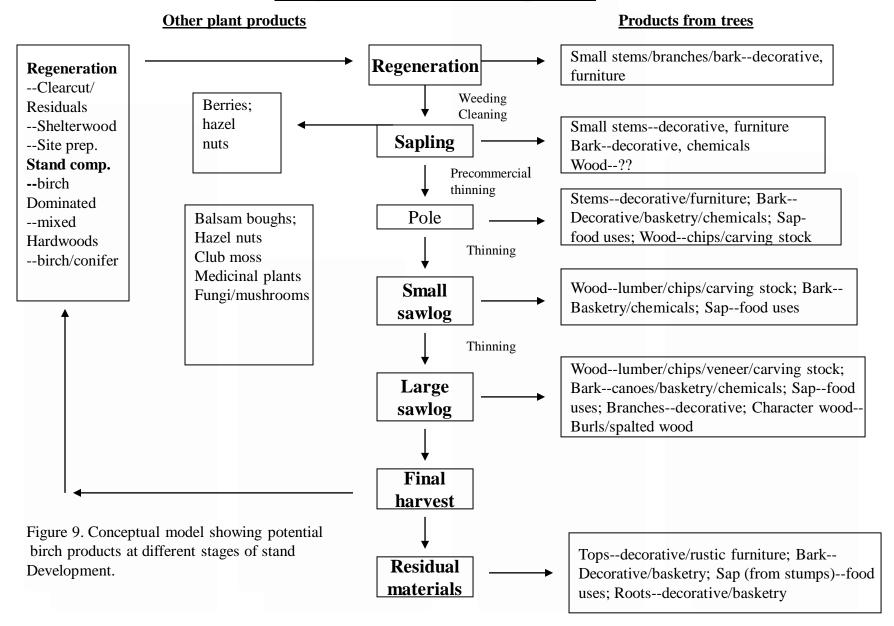


Basswood bark Birch bark Cedar greens Fiddleheads Princess Pine Red willow bark

Goldthread

Boughs Morels

Stage of Stand Development



How

- Salvage
 - >What's on the site?
 - >When should it be harvested?
 - ➤ Who uses it?
 - ➤ How do you let them know?

"No birch tree should leave the forest unpeeled."

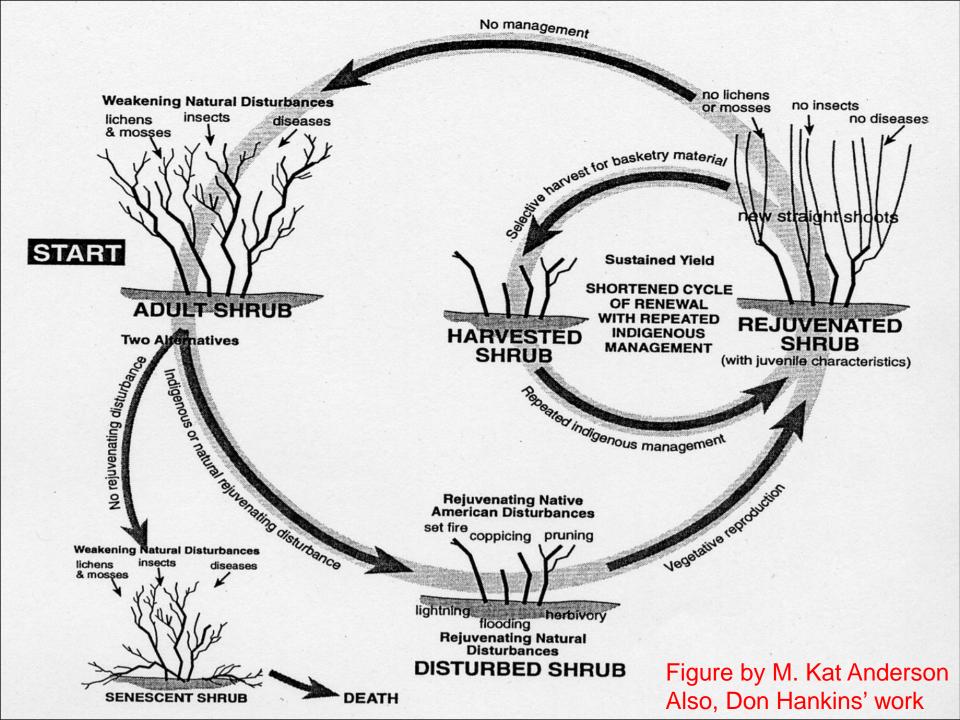
John Zasada



How

- Proactive management (short list)
 - ➤ Your expertise
 - >Traditional ecological knowledge
 - >Literature
 - > Experimentation













Thank You!

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