Songbirds of the Forest:

Managing Oak Savanna,
Woodland and Forest in the
Driftless Area

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AN OUTLINE FOR MANAGING YOUR LAND.

- ☐ What do I have?
- ☐ What is the context?
- ☐ What could I have?
- ☐ What do I want?
- Plan.
- ☐ Manage.
- ☐ Monitor.
- ☐ Adjust.

Principles of Bird Habitat Management:

- 1. Birds respond to habitat changes.
- 2. Any habitat change will benefit some species & discourage others.
- 3. Size and context of habitat matters.
- 4. To increase biodiversity, think global, act local.
- 5. Needs change thru life cycle: breeding, migration, winter.
- 6. Make clear, practical goals, with partners.
- 7. Monitor the effects of management, and adapt.
- 8. Accommodate dynamics of ecosystems, economies, needs and knowledge.
- 9. Appreciating birds can deepen your relationship with the land.

1. Birds respond to habitat: ecological niches.

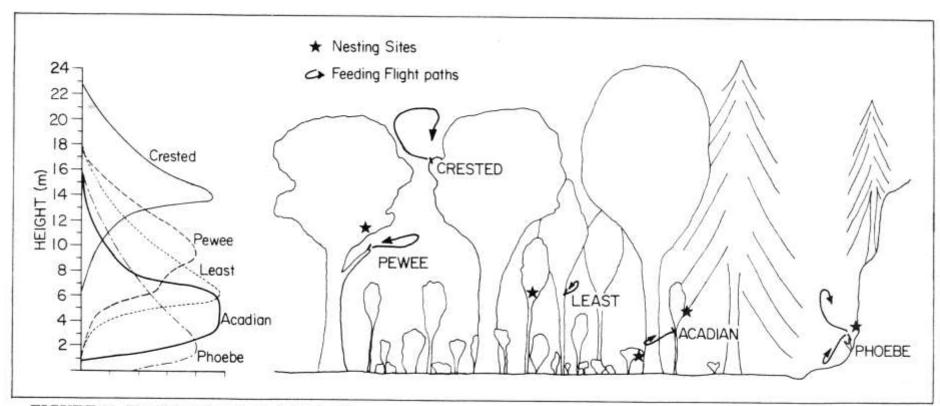
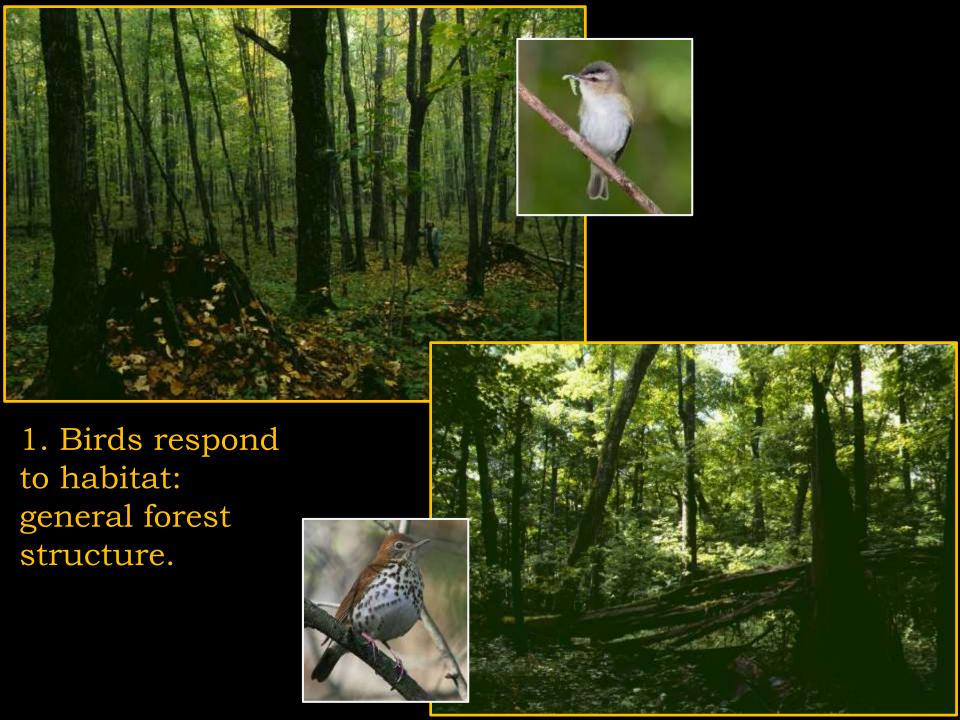


FIGURE 22. Flycatcher foraging height distributions, and locations of typical feeding and nesting sites in Baraboo Hills stream gorges.

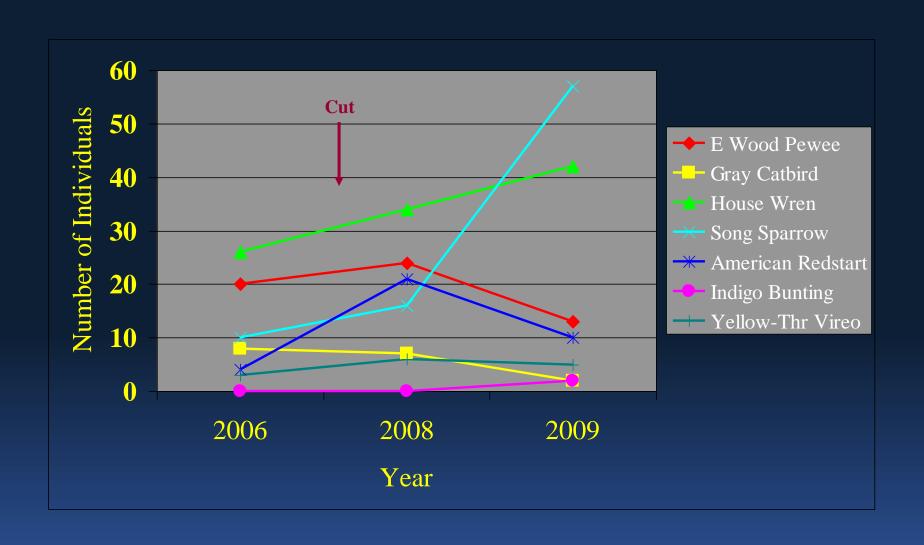








Forest Bird Response to Cutting at Prairie du Bay, LWSR





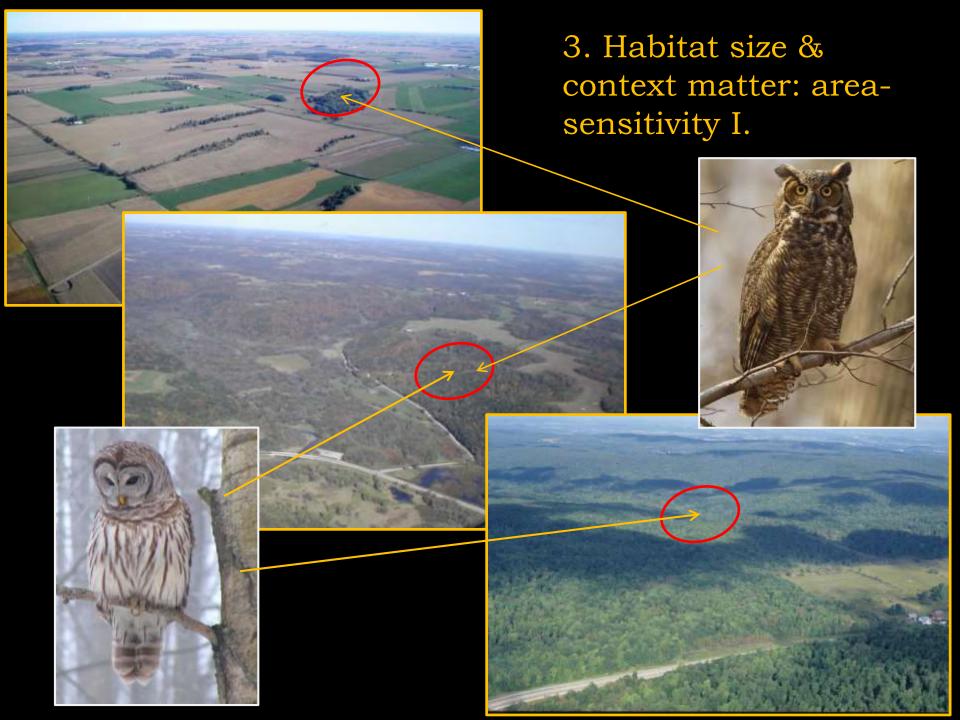


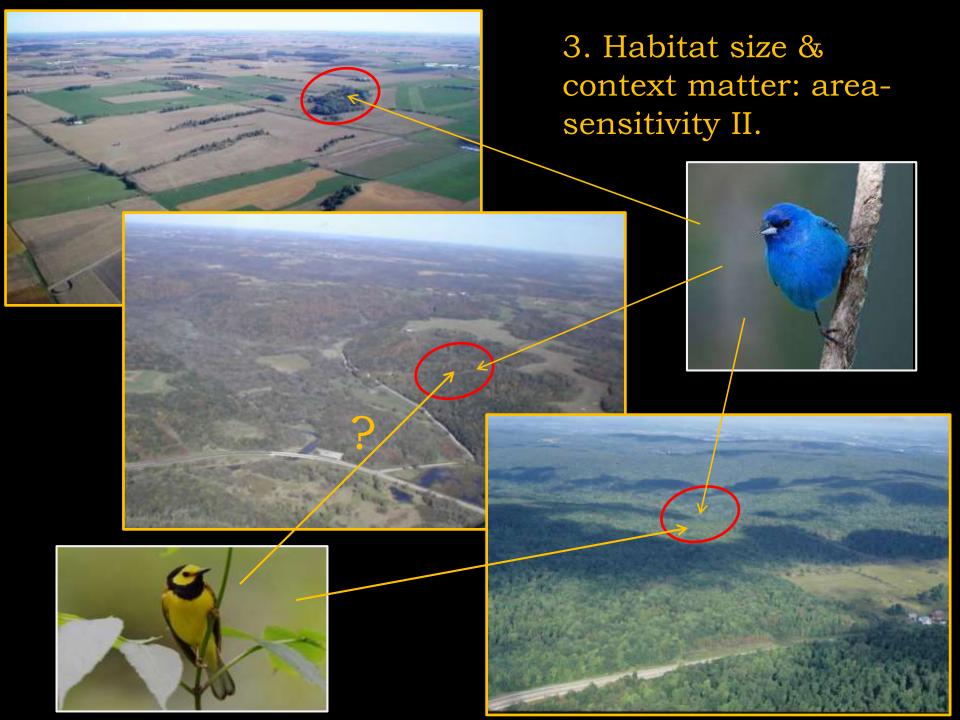




2. Changes in habitat favor some species & discourage others: woodland restoration.

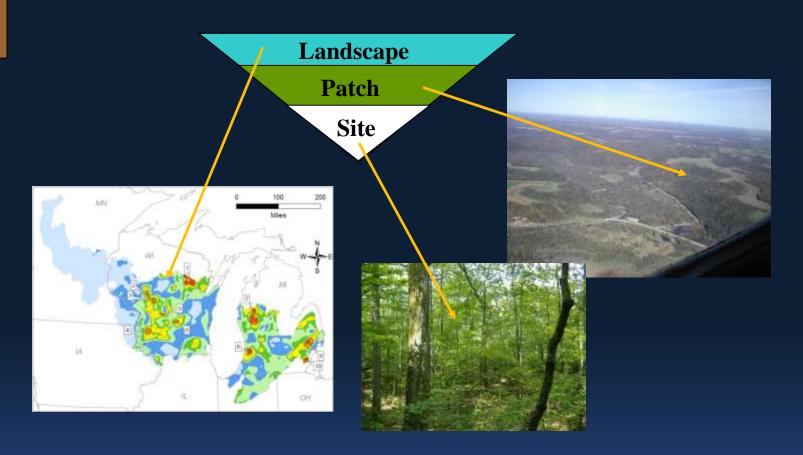






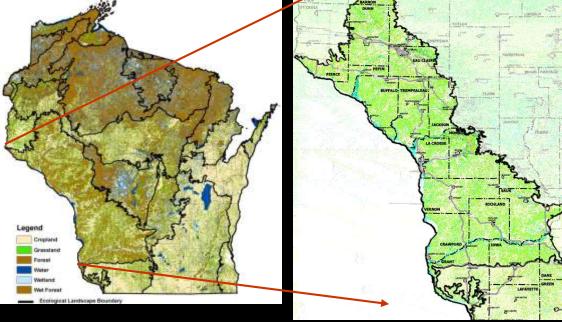


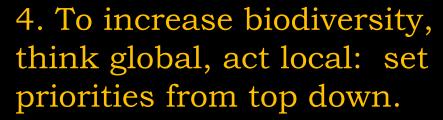
Wood Thrush Realtors, Inc.



LOCATION – LOCATION – LOCATION!







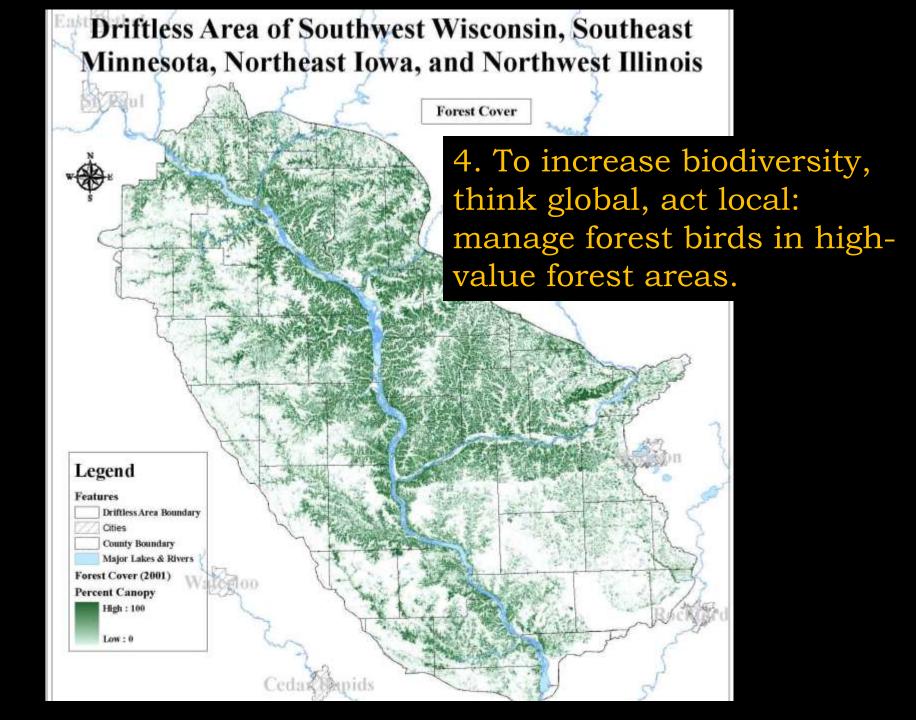


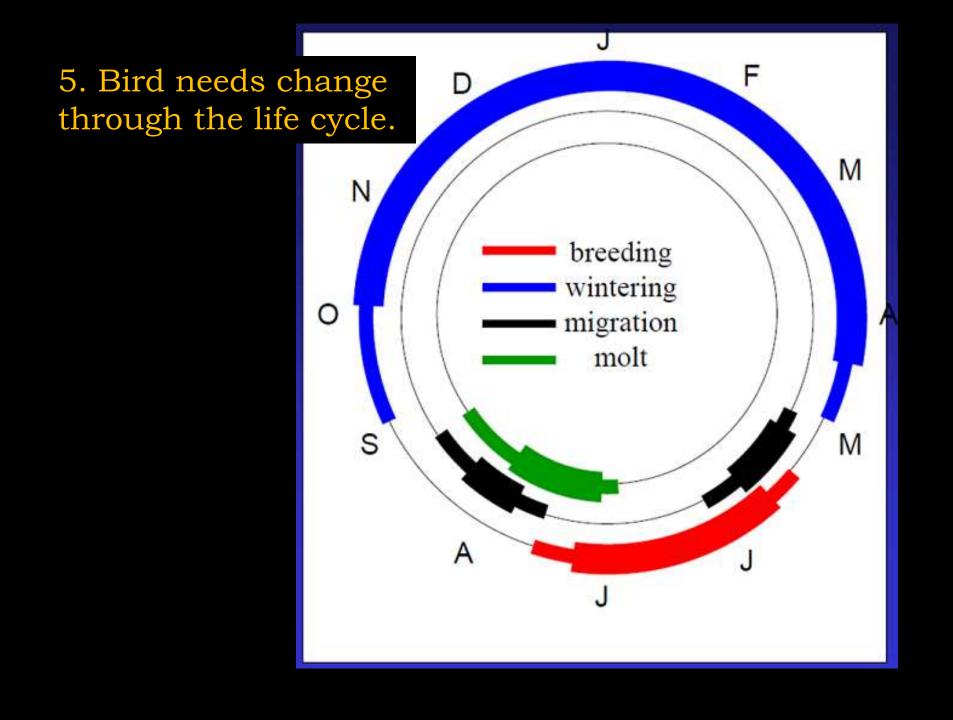


Global Population Change, 1970-2014

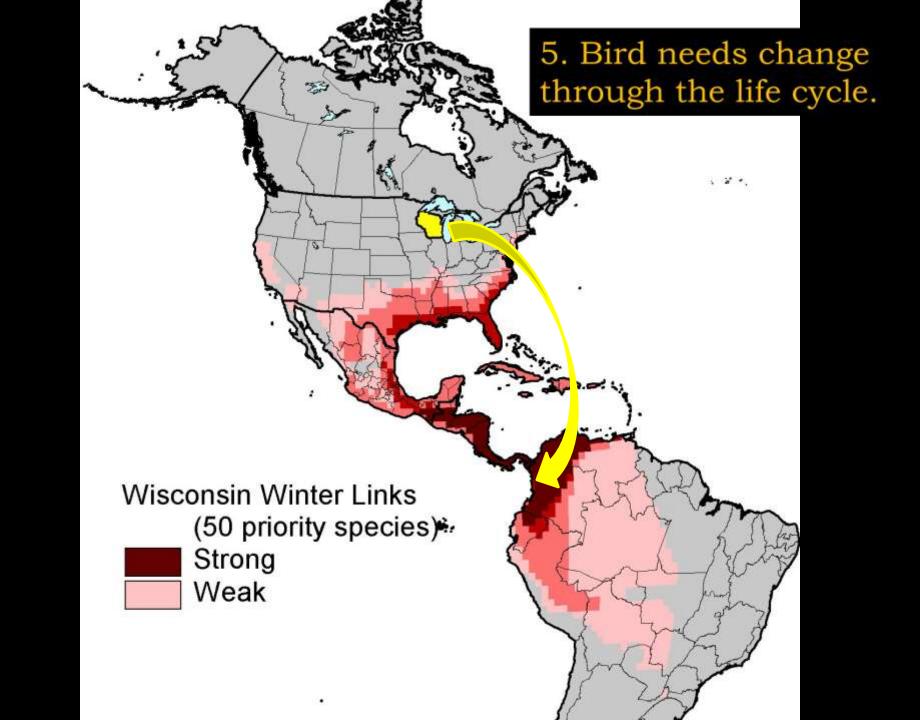
- Eastern Whip-poor-will: 67% decline
- Red-headed Woodpecker: 68% decline
- Wood Thrush: 59% decline
- Prothonotary Warbler: 34% decline
- Kentucky Warbler: 25% decline
- Cerulean Warbler: 73% decline

From 2016 PIF Landbird Conservation Plan Revision





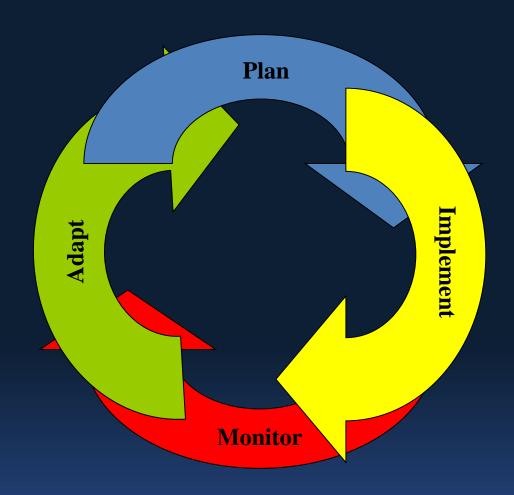




6. Make clear, practical goals, with partners: develop relationships.



7. Monitor the effects of management, and adapt.



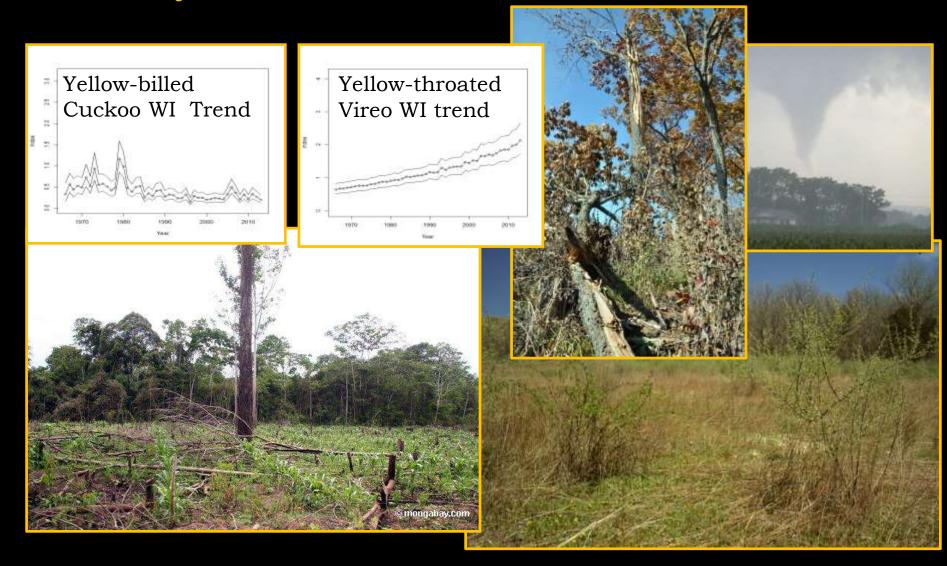




8. Accommodate dynamics of ecosystems, economies, needs and knowledge: landscapes change.



8. Accommodate dynamics of ecosystems, economies, needs and knowledge: landscapes change: events and trends beyond our direct control.





A Tale of Two Driftless Area Properties



Mossman-Hartman Tract:

- -83 acres
- Presettlement savanna, marsh
- History pasture, cropland
- <u>Goal</u>: savanna ecosystem & forest products





Nielsen Tract:

- 240 acres
- Presettlement forest
- History high-grade, pasture, cropland
- Goal: sustainable forestry & wildlife

Nielsen Tract:

- Begin management 1993
- Selective thinnings, regeneration cuts, overstory removal
- Cut and treat invasives
- Plant fields to native trees, shrubs





- Begin management 1996
- Cut cedars, invasives, and shade-loving trees
- Prescribed burn

- Restore cropland to prairie, native shrub



Nielsen Tract:



Increase in forest species of conservation need

Both tracts:









Mossman-Hartman Tract:

Increase in savanna species of conservation need







