Expanding the Breeding Range: Kirtland's Warbler Habitat on the Ottawa National Forest

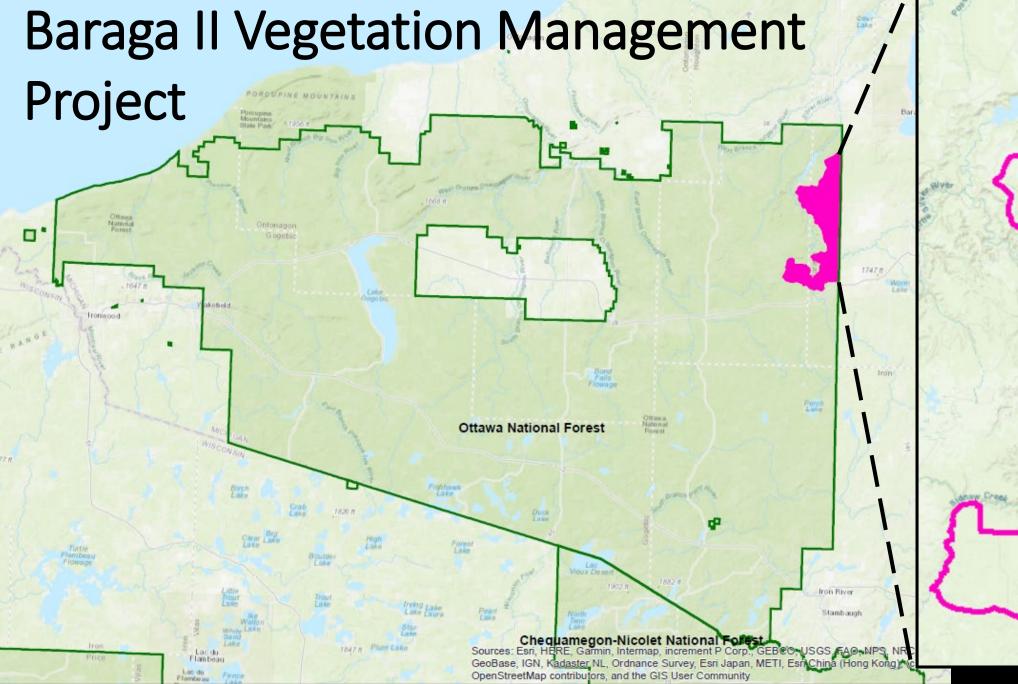
Brianne Boan

Wildlife Biologist

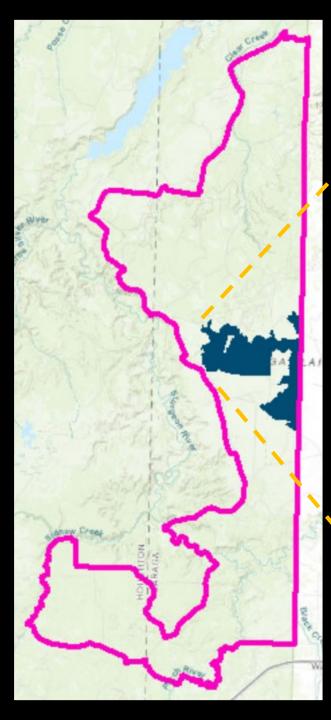




Photo by Aaron Birkemeier









Projected Timeline

- Block 1 will be sold in 2024
 - 2027: Begin site prep

• Rx Fire

- Roller chopping, anchor chaining
- 2028: Planting
 - Approximately 450,000 trees at 1,400-1,500 trees/acre
- Tentatively:
 - Block 2 will be sold in 2034
 - Block 3 will be sold in 2044

The Projected Future...

- American Bird Conservancy
- Michigan Tech University
- Michigan Department of Natural Resources
- Ottawa NF: 3 more blocks!
 - 3 now, 3 more in a future VMP
 - Rotational management schedule
 - At least one block will meet suitable habitat criteria any given year



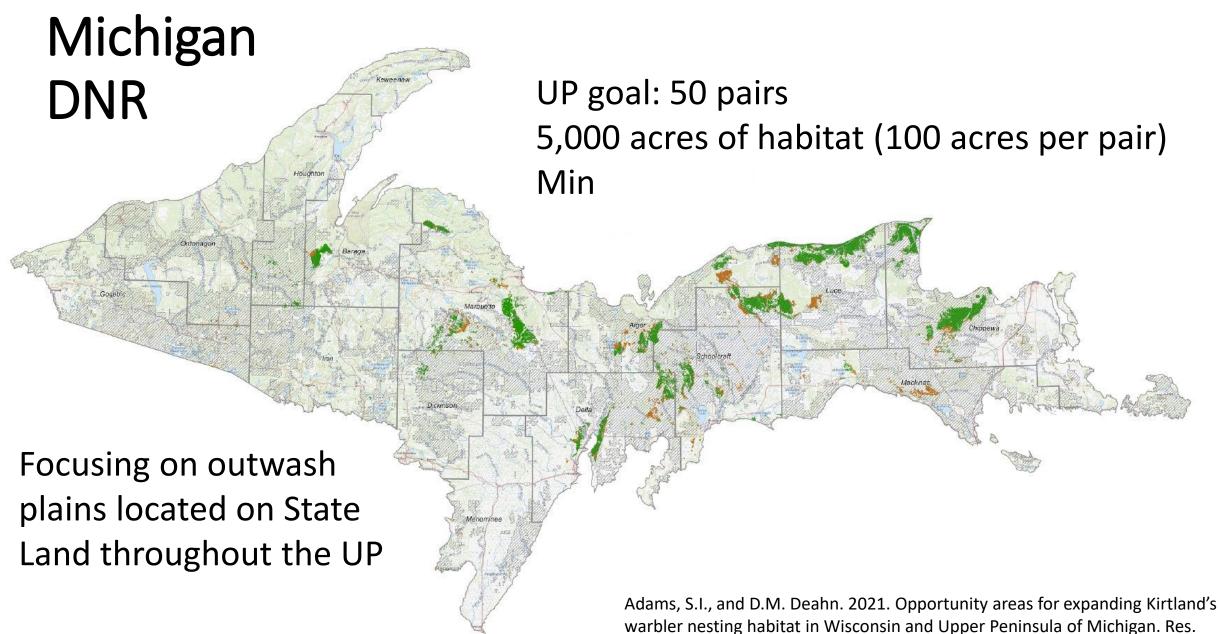
Other KW Habitat Work Happening

- Expanding the Breeding Range Working Group (Kirtland's Warbler Conservation Team)
 - Upper Peninsula
 - Ottawa National Forest
 - Hiawatha National Forest
 - Michigan DNR
 - Wisconsin
 - The Nature Conservancy
 - American Bird Conservancy
 - Wisconsin DNR

Hiawatha National Forest

Developing a Programmatic Jack Pine Regeneration Project

- 15,000 acres next 15 years currently ground-truthing
- Habitat blocks of 300-550 acres
- Natural regeneration, seeding, planting
- Varying jack pine densities (850-1,400 trees/acre)
- Variable openings, 0.25-1.25 acres
- Restoring fire in boreal systems
 - Collaborative approach local tribes



Map NRS-12. Madison, WI: USDA Forest Service Northern Research Station.

Wisconsin

- The Nature Conservancy
 - 400 acres
- American Bird Conservancy
 - 485 acres
- DNR

Adams, S.I., and D.M. Deahn. 2021. Opportunity areas for expanding Kirtland's warbler nesting habitat in Wisconsin and Upper Peninsula of Michigan. Res. Map NRS-12. Madison, WI: USDA Forest Service Northern Research Station.

