Protected Areas

Zoos, Seedbanks
Working lands
Fledgling movement data demonstrate the importance of landscape structure
Managing Forests for Sustainable Harvest and Wildlife Habitat Using Earth Observations and Modeling of Forest Structure and Landscape Connectivity

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USFS Allegany National Forest
Project Conceptual Framework

Forest Harvest Model
Site Information
Etc.

Forest Structure

Landscape Structure

Models of how bird habitat depends on structure

Forest Harvest and Treatment Decisions
A setback:
Understory Return Density
Forest Classification

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<th>0.3 to 9.1m</th>
<th>0.3 to 9.1m</th>
<th>9.1 to 19.8m</th>
<th>19.8 to 24.4m</th>
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Forest Classification

**Forest Structure Classes**
- Deciduous
- Mixed
- Evergreen

- Water: 0.3m - 9.1m
- Developed: 9.1m - 19.8m
- Non Forest: 19.8m - 24.4m
- Wetland: > 24.4m
Bird Habitat Model
Tassel Cap Transformation
Looking Ahead

PA is just the Tip of the Iceberg

Natural Resources Conservation Service
To learn more, contact aelmore@umces.edu