

PIF Conservation Design Workshop Agenda:

Tuesday, 11 April 2006

8:00 – 8:15 Welcome, meeting logistics, housekeeping, etc. (Jane Fitzgerald, Central Hardwoods Joint Venture, American Bird Conservancy)

8:15 – 8:45 **Objectives and Challenges of Goal-oriented Landscape Design (BRYAN WATTS and Mike Wilson, Center for Conservation Biology, College of William and Mary)**

SESSION I - GIS-based Habitat Assessment and Landscape Characterization (8:45 – noon)

8:45 – 9:25 **Utility of national spatial data for conservation design projects (STEVE WILLIAMS, Biodiversity and Spatial Information Center, North Carolina State University)**

9:25 – 10:15 **Resolving habitat classification and structure using aerial photography (MIKE WILSON, Center for Conservation Biology, College of William and Mary)**

10:15 – 10:40 **BREAK**

10:40 – 11:20 **Ecosystem Modeling and Some Applications to Management (DAVID DIAMOND, Missouri Resource Assessment Partnership, University of Missouri, Columbia)**

11:20 – 12:00 **Methods for generating landscape metrics (ED LAURENT, Biodiversity and Spatial Information Center, North Carolina State University)**

Noon – 1 p.m. **LUNCH**

SESSION II - Approaches to Linking Bird Distribution and Abundance with Habitat Assessments at the BCR Scale (1:00 – 5:00 p.m.)

1:15 – 2:00 **Landcover/database approaches (CHRISTOPHER RUSTAY, Playa Lakes Joint Venture)**

2:00 – 2:45 **Building models from point count data (TIM JONES, Atlantic Coast Joint Venture, U. S. Fish and Wildlife Service)**

2:45 – 3:00 **BREAK**

- 3:00 – 3:45 **Building models from Breeding Bird Surveys (WAYNE THOGMARTIN, U.S. Geological Survey, La Crosse, Wisconsin)**
- 3:45 – 4:30 **Building models from existing knowledge – HSI approaches (FRANK THOMPSON, North Central Research Station, USDA Forest Service)**
- 4:30 – 5:00 **Wrap up (TOM WILL, U. S. Fish and Wildlife Service)**

Wednesday, 12 April 2006

- 8:00 – 9:30 **Approaches to Linking Bird Distribution and Abundance with Habitat Assessments at the BCR Scale: PANEL DISCUSSION**

SESSION III - Projecting Bird Numbers and Habitat Conditions into the Future (9:30 – 5:00)

- 9:30 – 10:00 **Introductory remarks (REX JOHNSON, U.S. Fish and Wildlife Service)**

10:00 – 10:15 **BREAK**

- 10:15 – 10:45 **Landbird population and habitat objective-setting in oak and conifer forest habitats in the Pacific Northwest: contrasts in process and use of results (BOB ALTMAN, American Bird Conservancy)**

- 10:45 - 11:15 **Introduction to the USDA Forest Inventory Analysis (FIA) Program (MARK NELSON, USDA Forest service)**

- 11:15 – noon **Application of FIA data to spatial modeling of landscape change and bird habitat suitability (Todd Farrand and John Tirpak, University of Missouri, Columbia)**

Noon – 1 p.m. **LUNCH**

- 1:00 - 2:00: **Simulating landscape changes due to habitat succession, natural disturbance events, and management and predicting impacts on birds. (STEVE SHIFLEY and Frank Thompson, North Central Research Station, USDA Forest Service)**

- 2:00 – 3:00 **The constraints of urbanization on population goals (MIKE WILSON, Bryan Watts, and Bart Paxton, Center for Conservation Biology, College of William and Mary)**

3:00 – 3:15 **BREAK**

3:15 – 4:15: **Monitoring, Modeling, and Management: Influences of Landscape Pattern and Climate on Avian Demographics** (PHIL NOTT, Institute for Bird Populations)

4:15 – 5:00 **PANEL DISCUSSION**

Thursday, 13 April 2006

8:00 – 10:00 **BREAKOUT SESSIONS** - Participants will break into four groups to apply the tools discussed above to develop population goals and habitat objectives for one of four habitat/landscape types. Each group will be given a hypothetical set of criteria regarding priority bird species' habitat needs; the population and habitat data available to planners and modelers; the landscape's condition and threats to its integrity.

10:00 – 10:15 **BREAK**

10:15 – 11:15 **Reports from Breakout Sessions**

11:15 – noon **Where do we go from here?** (CHARLES BAXTER, U.S. Fish and Wildlife Service)

ADJOURN at noon.