

Integrated Waterbird Management & Monitoring

Highlights for 2014-15

Modeling

- Continental Migration Model (Lonsdorf et al. 2015, Ecological Applications)
 - Framework, validation, code conversion, model extensions (e.g., climate, food depletion curves)
- Bird Survey Simulation Model
 - Evaluated power of alternative count protocols; developed detection probability study design
- Local Abundance Models (Aagaard et al. 2015, Wildfowl)
 - Developed models explaining variation in local abundance of waterbirds counted via IWMM
- Local Scale Multi-Unit Decision Support Model
 - Developed local cases studies and draft reports for multi-unit decision support at two National Wildlife Refuges (Clarence Cannon NWR & Mattamuskeet NWR)
- ❖ Modeling Support: Examine Utility of Local Data for Regional Summaries
 - Developing multiple reports (e.g., bird use-days calculations, maps, community composition)

Monitoring & Training

- ❖ National Protocol Framework for Inventory and Monitoring of Nonbreeding Waterbirds and their Habitats
- Habitat Protocol Validation Studies (Tavernia et al. 2015, Wetlands Ecology and Management; and underway)
- Completed several field training sessions for participants on unit condition and annual habitat protocols

Data Management

- Developed IWMM online database and reporting tools as a node of the Avian Knowledge Network
 - Made project set up and data entry sections available to participants
 - Provided detailed training and documentation for use
 - Beta tested reporting tools (e.g. bird migration curves, bird use days, unit conditions, vegetation survey)

Communications

- Developed new IWMM website: www.iwmmprogram.org
- Multiple presentations on IWMM updates to targeted audiences (e.g., NWRS, Mig Birds, JVs, Flyway Technical Sections/Councils, AFWA, Waterbird Society)
- Multiple short communications (e.g., factsheets, annual reports, publication summaries, blogs, e-newsletters, FAQ)

Administration

- ❖ IWMM formally adopted by NWRS Natural Resource Program Center
- Transitioned from pilot study to operational program

For more information, contact Linda Wires, Project Coordinator, Linda Wires@fws.gov, www.iwmmprogram.org