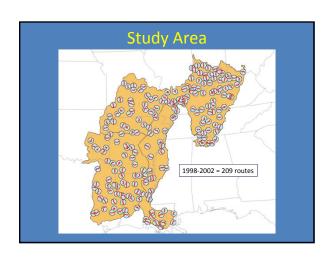
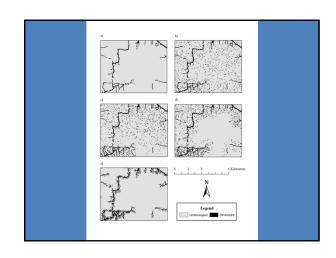


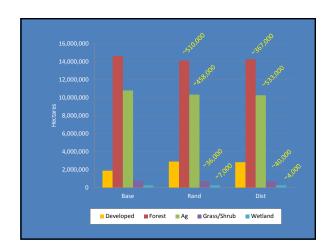
## Purpose & Objectives

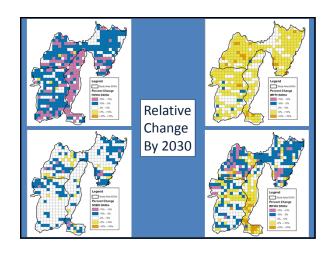
- Purpose
  - Assess the impact of predicted growth in Housing Density (HD) on priority forest bird populations
- Objectives
  - Model bird abundance as a function of HD (2000) and land cover (2001)
  - Project land cover change as a function of HD
  - Estimate change in bird populations 2000-2030

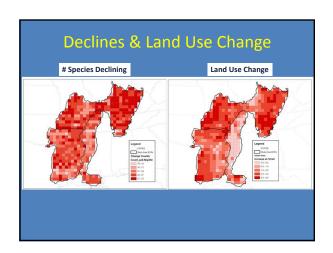


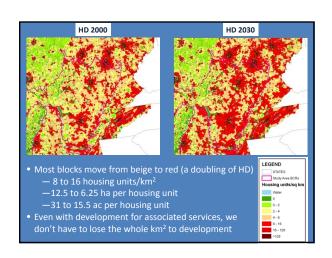
Focal Species			
ACFL	CACH	MIKI	SWWA
	CERW	NOBO	
BACS	CHSW	NOPA	WEVI
BAWW	CWWI	OROR	WEWA
BEVI	EAWP	PABU	WOTH
BEWR	FISP	PIWO	WPWI
BGGN	GCFL	PRAW	YBCH
BHNU	HOWA	PROW	YBCU
BRTH	KEWA		YTVI
BWWA	LOWA	RHWO	YTWA

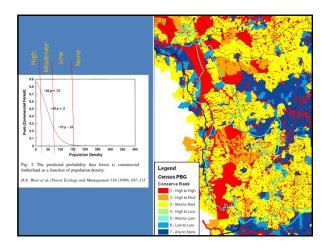


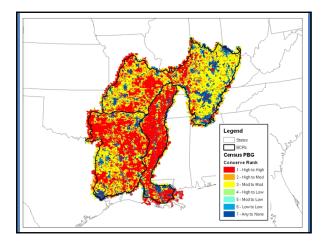












## **Estimated Opportunity Loss** Pine/Bluestem Total Open Oak Open Woodlands Glade/ Hectares Lost 15,088.1 9.638.6 75,247.0 5,107.2 105,080.9 37,267.5 23,807.4 185,860.2 12,614.7 259,549.8 Acres Lost Mesic Forest | Floodplain Hectares Lost 140,957.1 26,666.8 177,489.7 44,720.0 389,833.5 Acres Lost 348 164 0 65 866 9 438 399 5 110.458.4 962.888.8

## **Research Questions**

- Finer-scale Habitat Relationships
  - Forest & grassland types
- Identify Thresholds
- Other Growth Scenarios
  - Change in rates or more concentrated
- NC State process for the SE US
  - Gigalopolis software
- Impacts on population viability
  - CHJV population viability model

## Acknowledgements

- Funding support
  - Tennessee Wildlife Resources Agency
  - Missouri Department of Conservation
  - Kentucky Division of Fish & Wildlife Resources
  - Arkansas State Game & Fish Commission
  - US Forest Service, Land Between the Lake
- In Kind support
- Northern Research Station, US Forest Service
- American Bird Conservancy
- Department of Forest & Wildlife Ecology, University of Wisconsin Madison
- Questions?
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