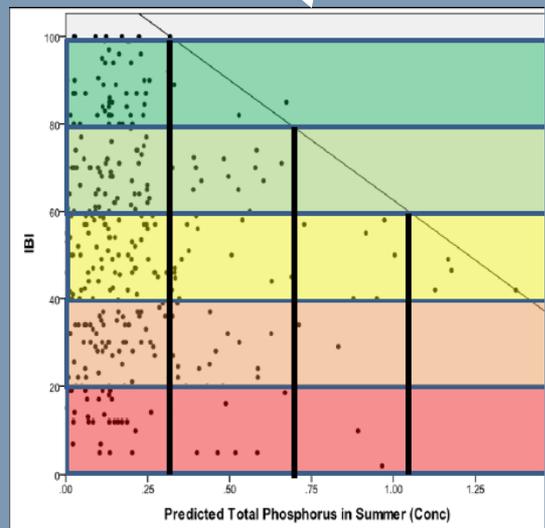
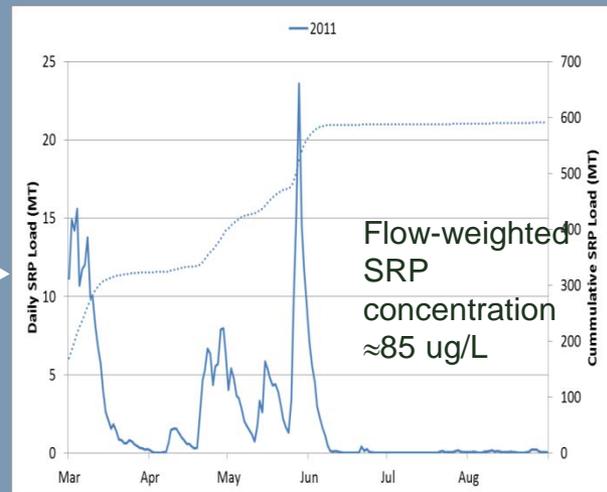


# Coordinated Approaches To Enhance Ecosystem Services In Watersheds Dominated By Agriculture

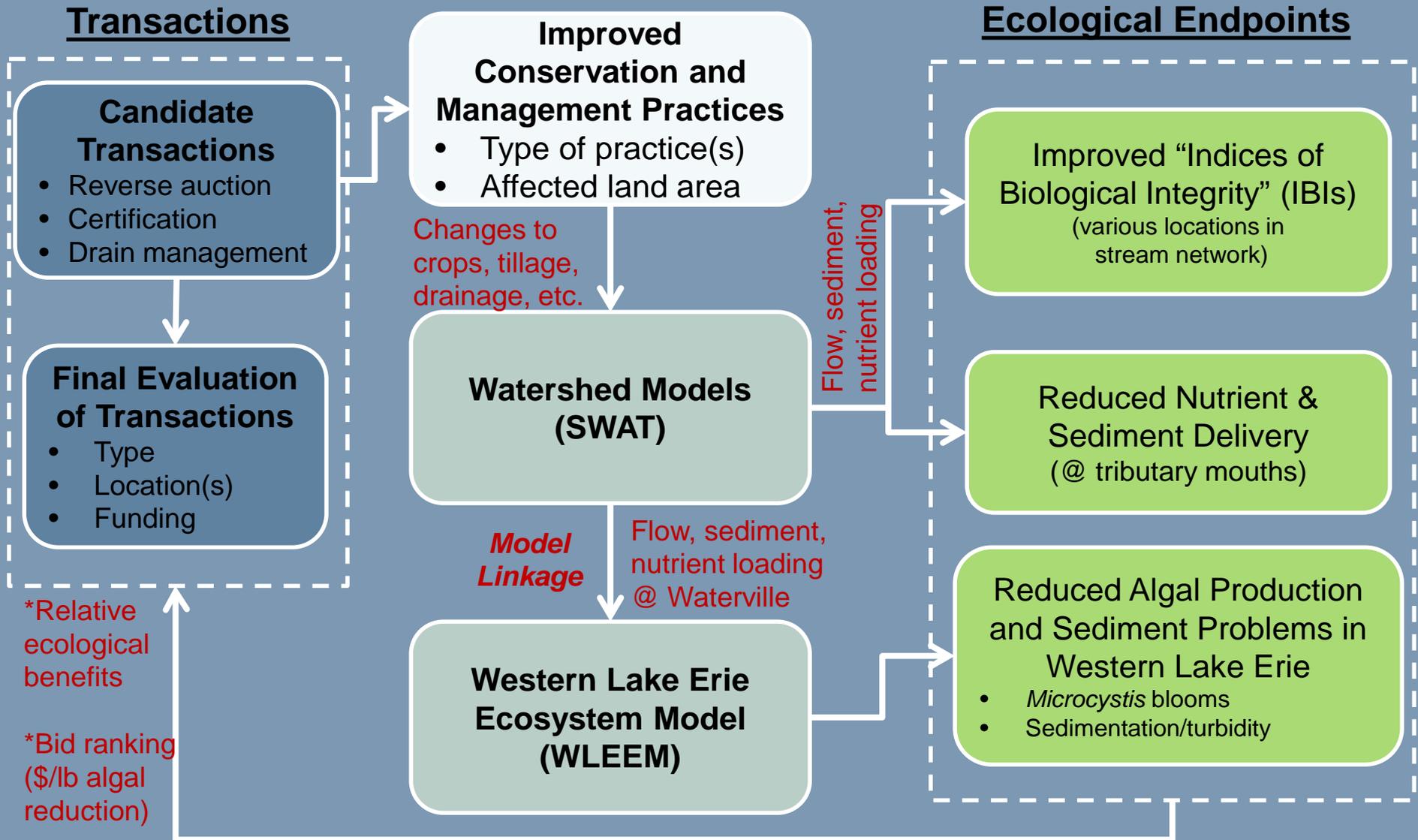
**Project (Funded by GLPF): Great Lakes Watershed  
Ecological Sustainability Strategy**  
**Project (funded by NSF and Ohio Sea Grant): Lake Erie  
human behavior-ecosystem services research**

# The Problem

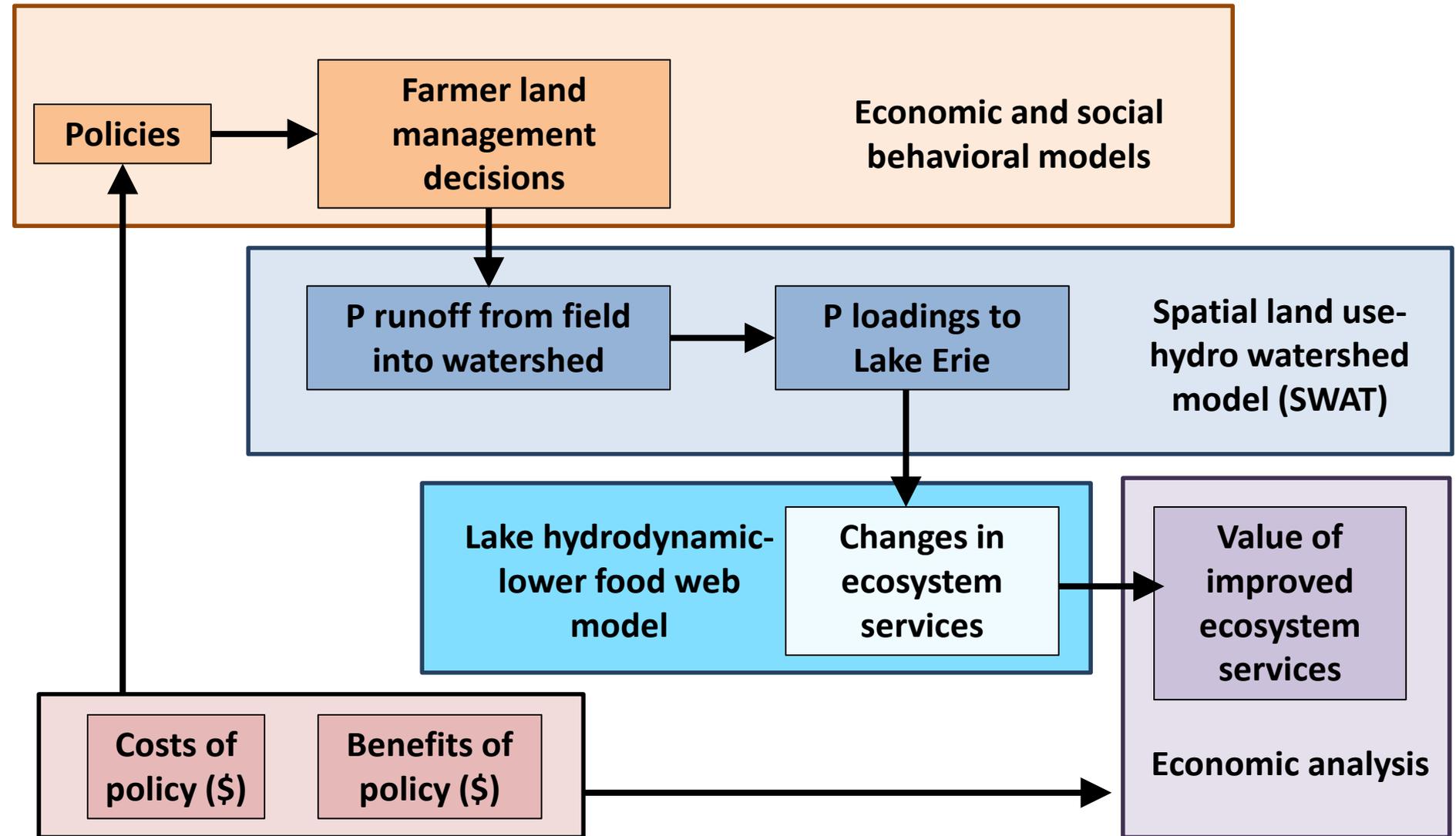




# The Solution: Transactions ↔ Ecological Endpoints



# OSU Analysis: Lake Erie-land coupled human-natural systems model



# Workshop Talks

1. Dennis McGrath, The Nature Conservancy. *Overview of Achievements from the Great Lakes Watershed Ecological Sustainability Strategy for Agricultural Watersheds in the Great Lakes Basin*
2. Todd Redder, LimnoTech. *Linking Watershed and Coastal Ecosystem Models to Assess Harmful Algal Bloom Production in the Western Lake Erie Basin*
3. Leah H. Palm-Forster, Michigan State University. *Designing Conservation Auctions for Aquatic Ecosystem Services in Agricultural Watersheds*
4. Randy Dell, The Nature Conservancy. *Public Drain Fee Reduction Program to Support Biological Watershed Outcomes*
5. Carrie Vollmer-Sanders, The Nature Conservancy. *Lake Erie 4R Nutrient Stewardship Certification: Water Quality Markets*
6. Wendong Zhang, The Ohio State University. *Linking agricultural land management decisions and Lake Erie ecosystem services using integrated ecological economic modeling*



# ***Roundtable Discussion with Panelists***

## ■ Discussion Questions:

- 1. What are the top research areas/questions to focus on in the next 2 years? 5 years? 10 years?**
- 2. What kinds of programs do we need to encourage landowners to manage cropland in a way that improves water quality?**
- 3. Who (which organizations) should be engaging with farmers to increase land stewardship?**
- 4. How should incentives be structured to maximize participation in voluntary stewardship programs?**