



Conservation Efforts at Dogtooth Bend

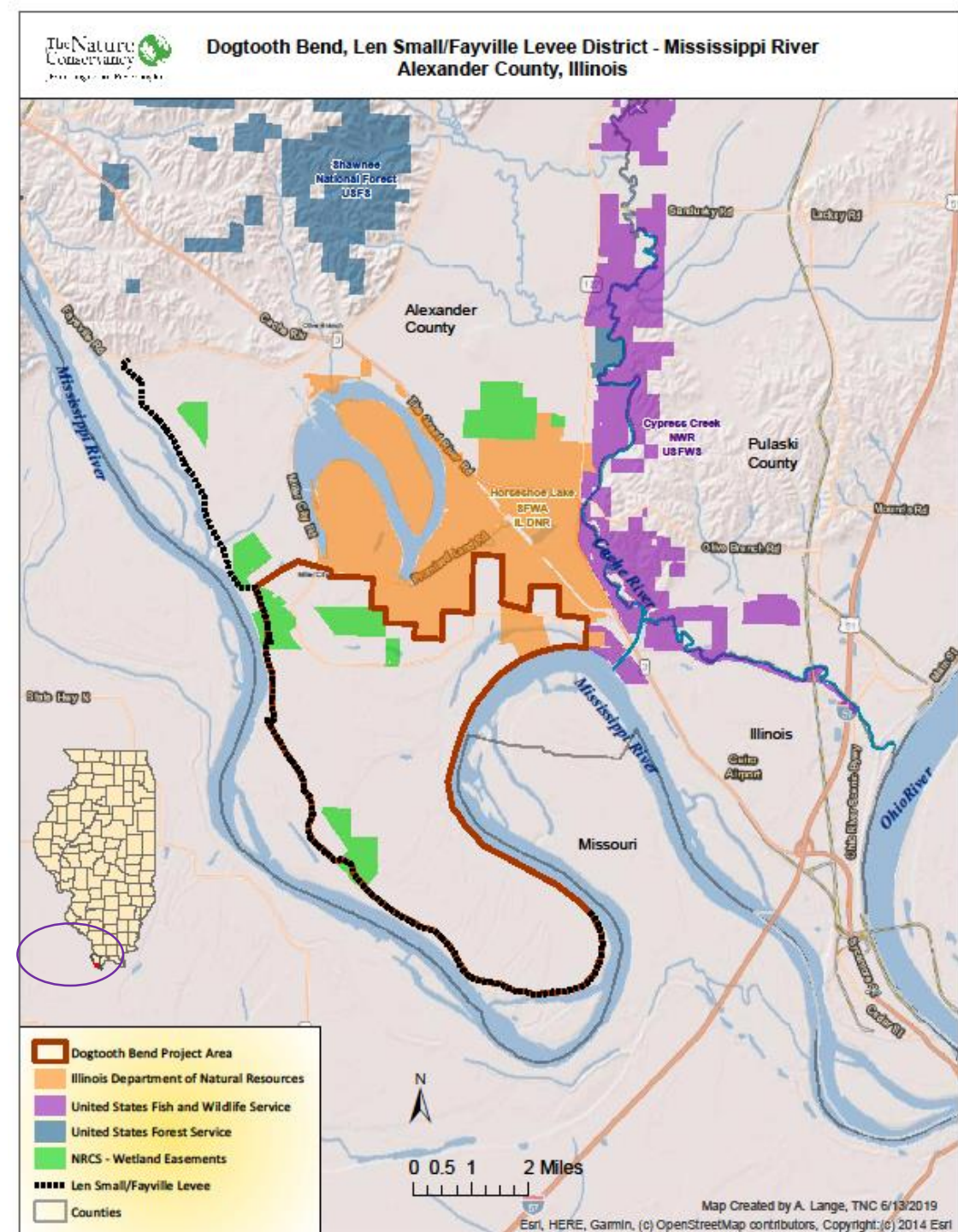
- **Shelly Morris**
- **Viv Bennett**



- ASWM – May 29th, 2020

Dogtooth Ben-Len Small Levee

- Confluence of Cache/Miss. River; near Ohio confluence
- 17,000 ac in Drainage & Levee District
- Adjacent to 15,000 ac of public lands
- Multiple federal, state, and NGO partners
- Repetitive flooding, especially since 1993; landowners ready for change



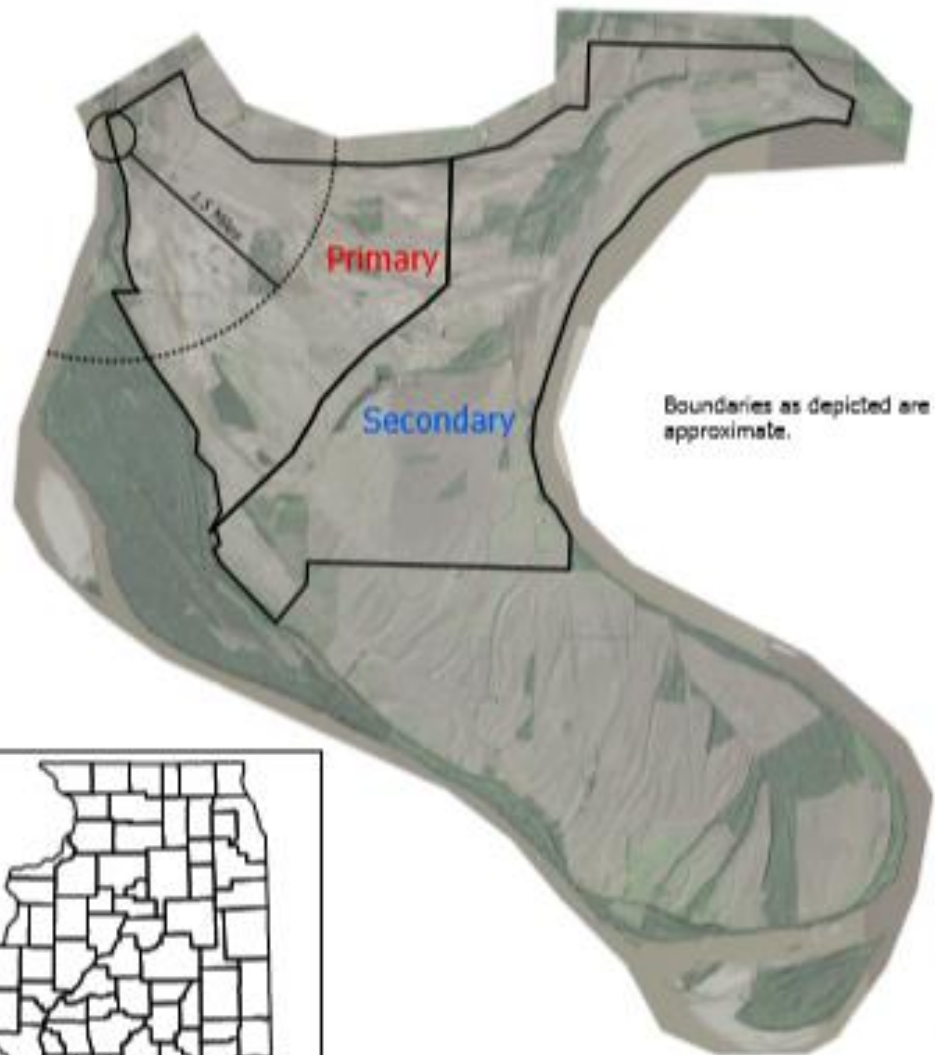


The Numbers....

- 2016 – major levee breach (1 mile+ wide)
- \$10.6M allocated for NRCS EWPP-FPE easements (~2600 ac)
- \$14.4M allocated for NRCS TNC WREP project (~3600ac)
- TNC match commitment of \$583,000
- Currently over 7000 ac in landowner applications on file with NRCS
- NRCS has designated areas where each of these funding sources are to be spent (map)



DOGTOOTH BEND EWPP-FPE APPLICATION AREA

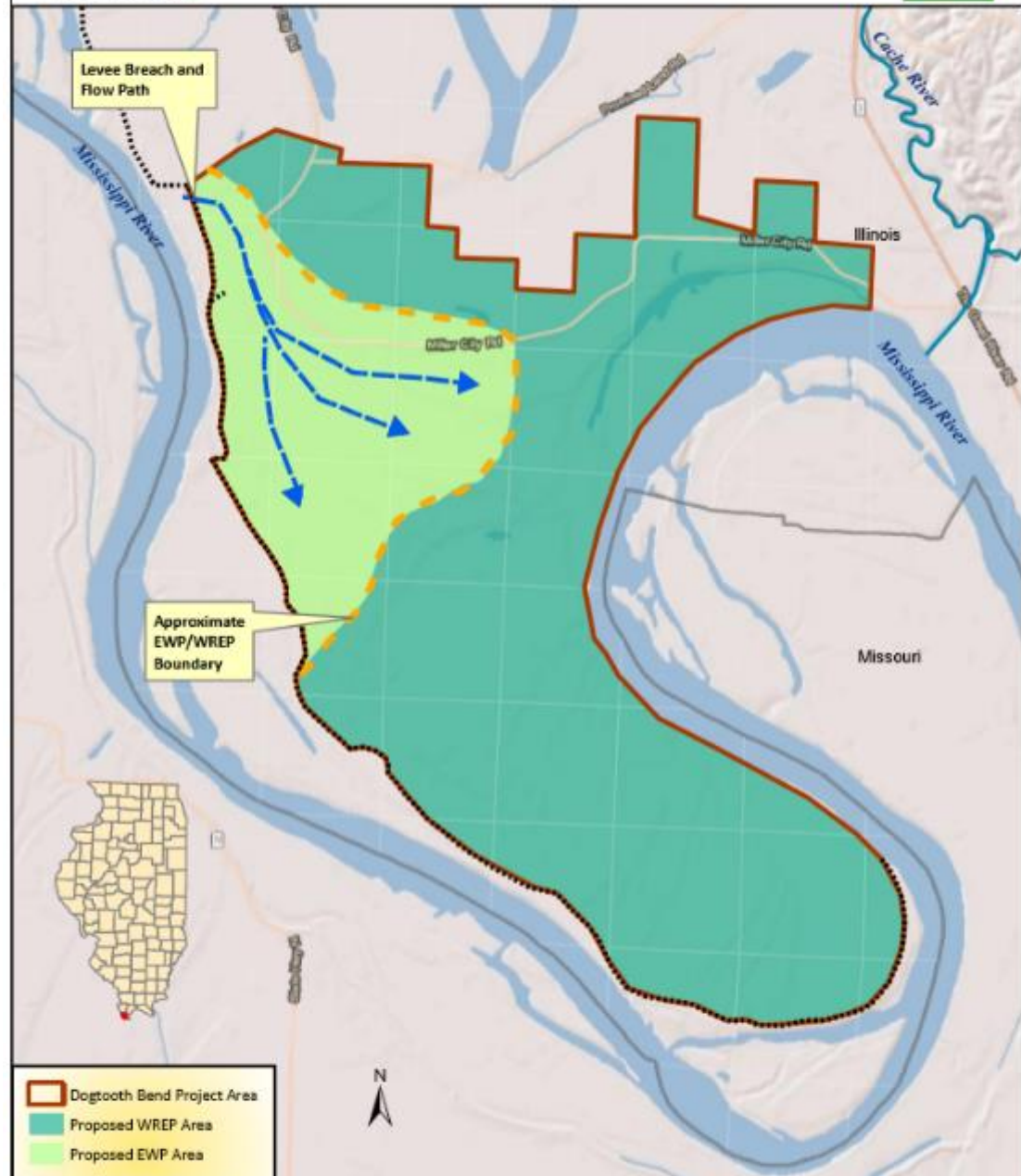


Boundaries as depicted are approximate.

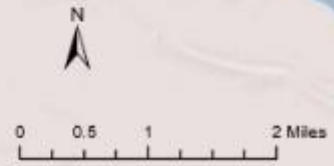


Dogtooth Bend EWPP-FPE Application Area

August 5, 2019



-  Dogtooth Bend Project Area
-  Proposed WREP Area
-  Proposed EWP Area
-  Len Small/Fayville Levee
-  Counties



Project Timeline

- NRCS Partnership Agreement under development.
- NRCS hopes to have WREP applications ranked and selected by end of federal FY20
- Typically about 18 months to close easement
- Restoration will happen year of or year after easement closing
- Many internal and external teams working on various aspects



Restoration Planning

- Dynamic habitat, constantly evolving
- Frequent, long duration flooding
- Significant sand deposition
- Challenges of re-establishing trees (slow growing vs fast growing)
- Some areas best left for natural revegetation

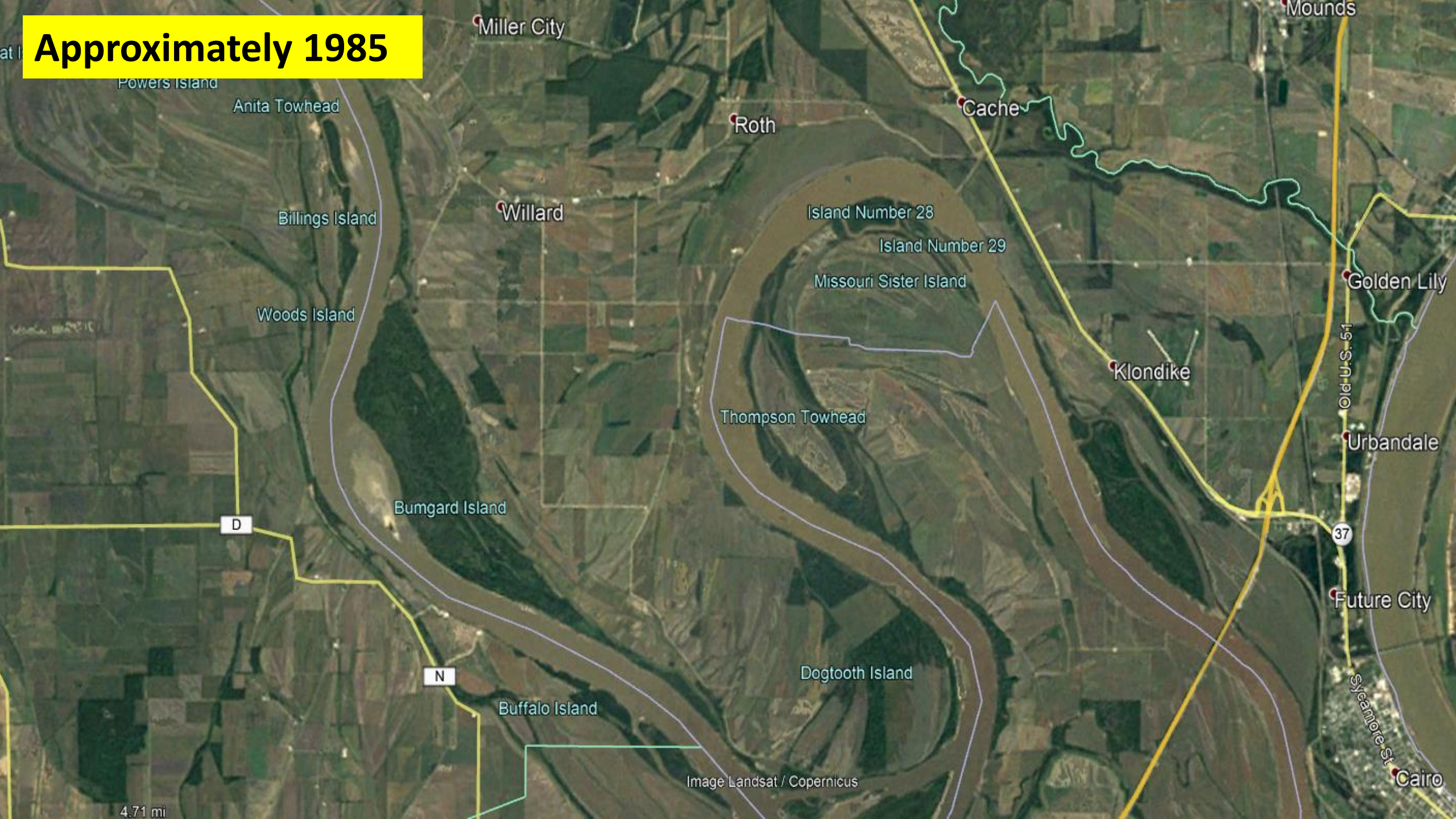


Desired Restoration Outcomes

- **Habitat restoration** – Bottomland Hardwood Forest and floodplain lake restoration. Waterfowl and migratory birds, aquatic species. Carbon storage
- **River / floodplain reconnection**
Flood storage capacity
- **Nutrient reduction** – Est. 1M+ lbs. nitrogen per year



Approximately 1985



4.71 mi

Image Landsat / Copernicus

May 16, 2019



September 23, 2019

