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MITIGATION AND ECOLOGICAL SERVICES

MSD-ILFP Compensation Planning Framework

2013 In-Lieu Fee Mitigation Training Webinar Series: Compensation Planning Framework

June 19, 2013

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Ducks Unlimited – Southern Regional Office

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DU ILF Programs

Approved

- MS Delta – Vicksburg District
  (1st New ILF Program approved under 2008 rules)
- VT – New England District
- NY – Buffalo and New York Districts

Pending

- SD
- ND

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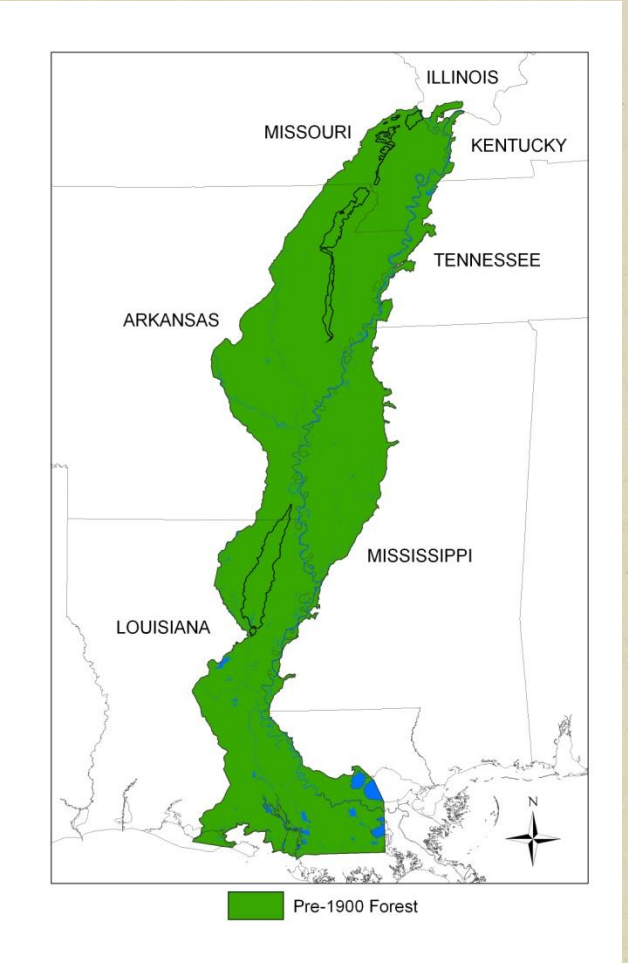
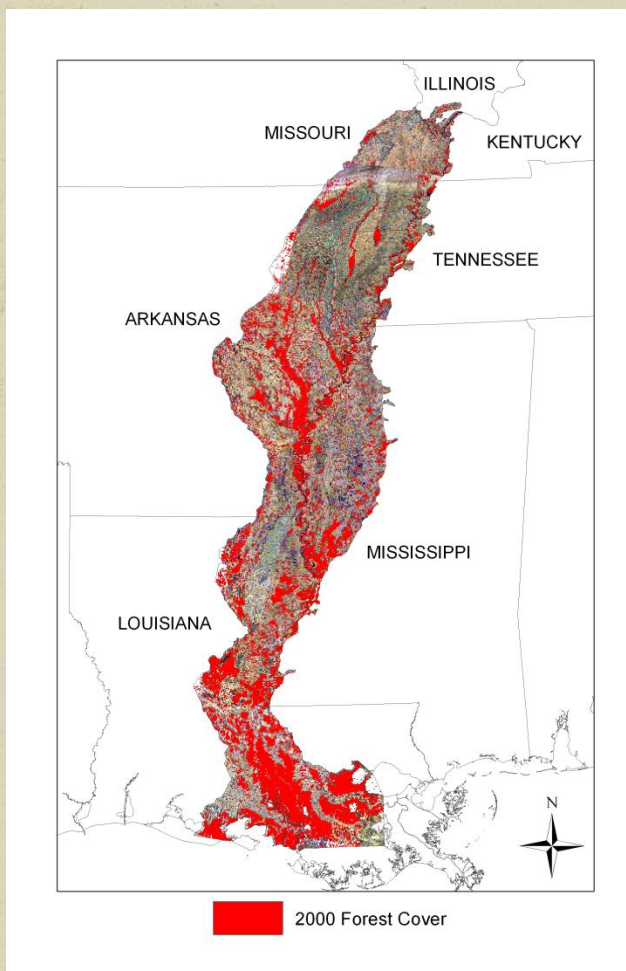
Mississippi Alluvial Valley





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Conservation Planning

Bird Habitat Joint Ventures

- 21 Regional Partnership
  - Gov't Agencies, NGO's, Corporations & Tribes
- Implementation of Int'l Bird Conservation Plans
- Use Science and Planning to prioritize conservation efforts
- Since 1987, Invest $5B, Conserve 17.3M Acres

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Other Planning Resources

- Landscape Conservation Cooperatives
  - Formed 2009, 22 Cooperatives, All Flora & Fauna
- State Wildlife Action Plans
  - ID Priority Species, target actions to prevent listing

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MS Delta ILF Compensation Planning Framework

- LMV Joint Venture Conservation Planning
- Synthesized to Spatially Explicit Landscape Level Decision Support Models
- Wetland Restoration Suitability Index
  - Likelihood of Successful BLH Restoration
- Forest Breeding Bird DSM
  - Restoration that reduces Fragmentation & Increase Forest Cores

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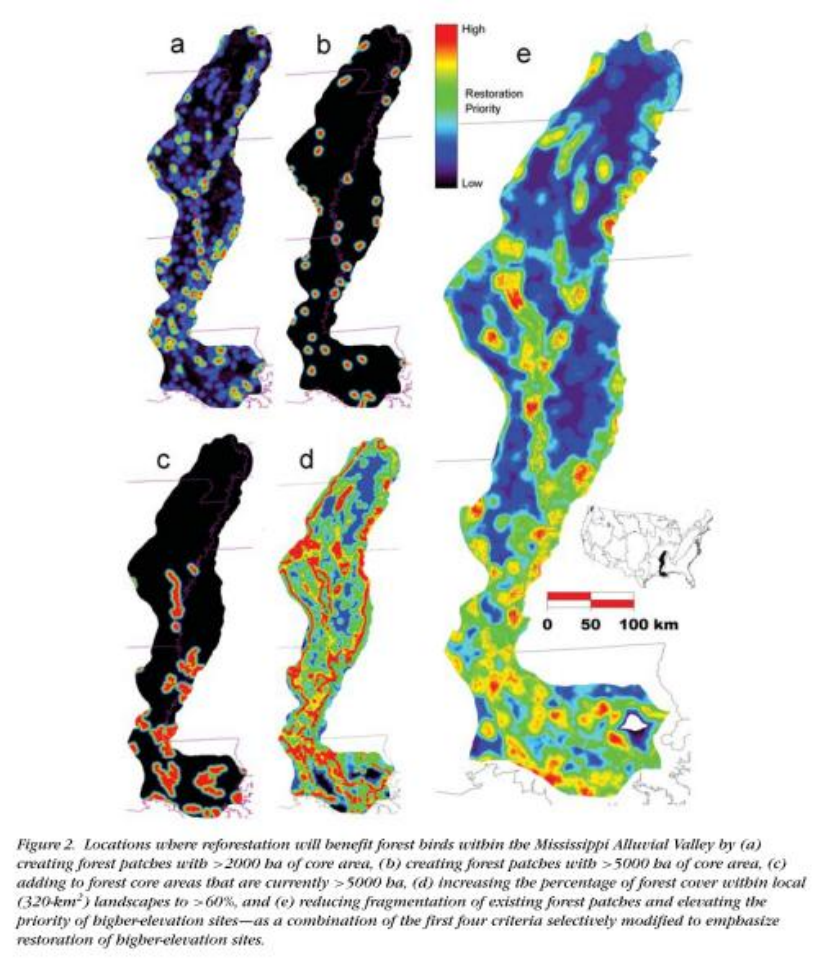
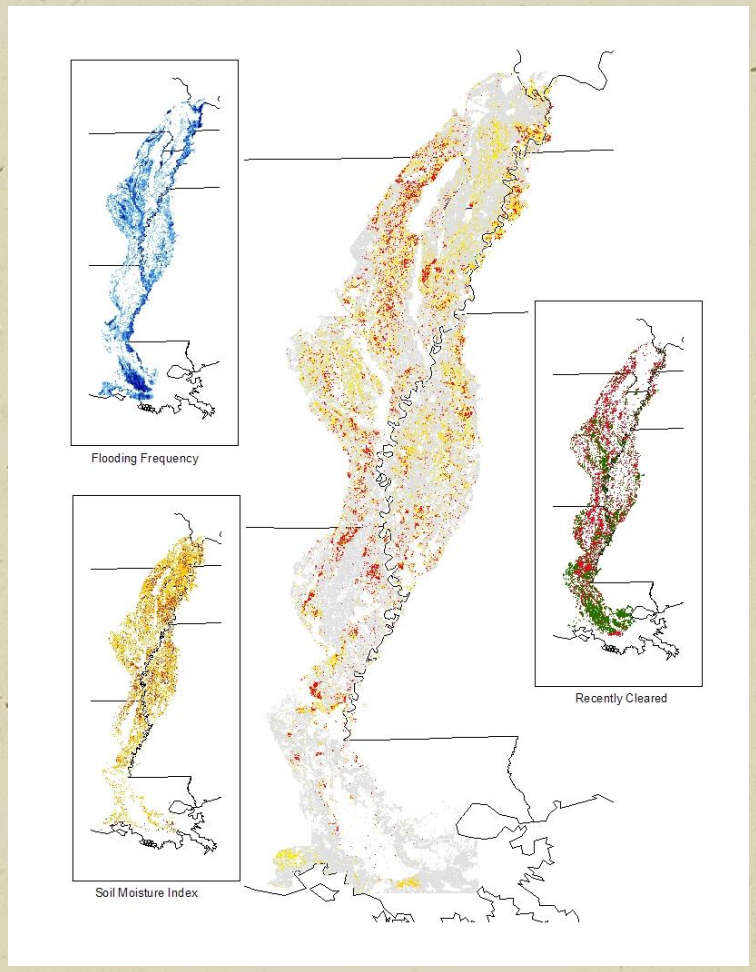


Figure 2. Locations where reforestation will benefit forest birds within the Mississippi Alluvial Valley by (a) creating forest patches with >2000 ha of core area, (b) creating forest patches with >5000 ha of core area, (c) adding to forest core areas that are currently >5000 ha, (d) increasing the percentage of forest cover within local (320-km^2) landscapes to >60%, and (e) reducing fragmentation of existing forest patches and elevating the priority of higher-elevation sites—as a combination of the first four criteria selectively modified to emphasize restoration of higher-elevation sites.

Forest Breeding Bird DSM
LMVJV / Twedt and etal, 2006



Wetland Restoration Suitability Index
DU / Shankle and etal, 2003

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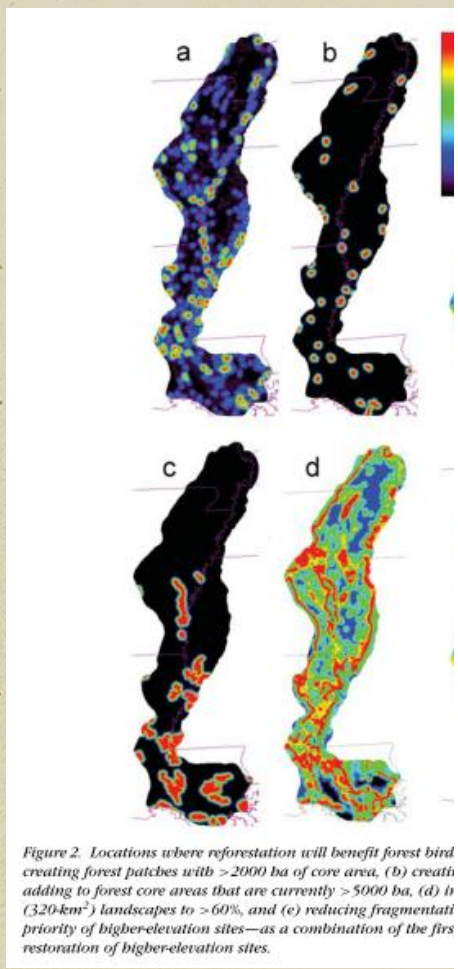

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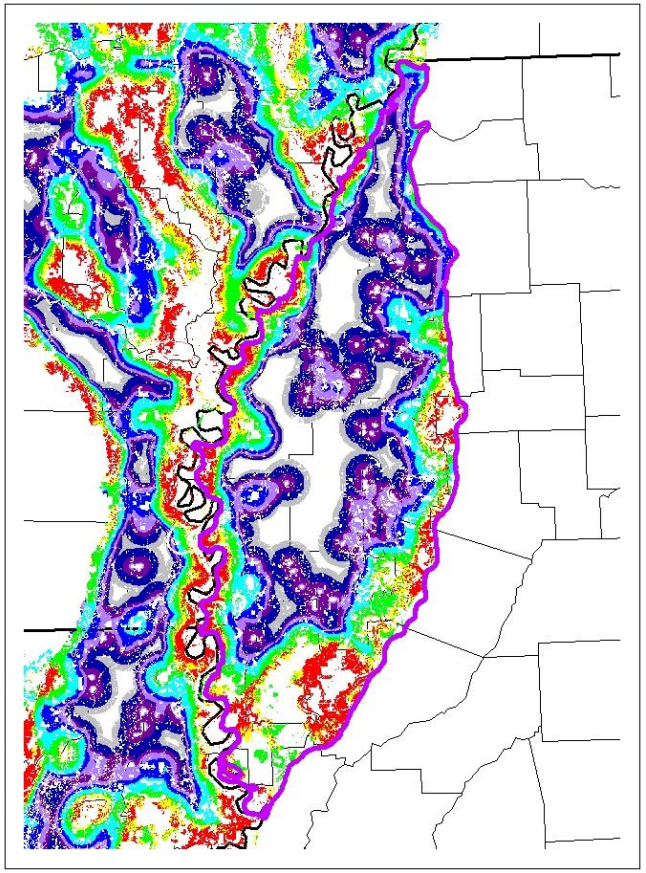

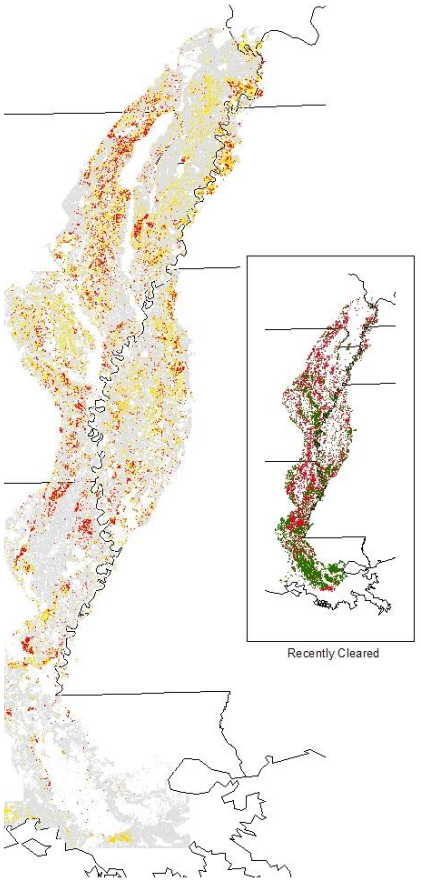

1.1 Million Acres are the Highest Priority Reforestation for Wildlife Habitat

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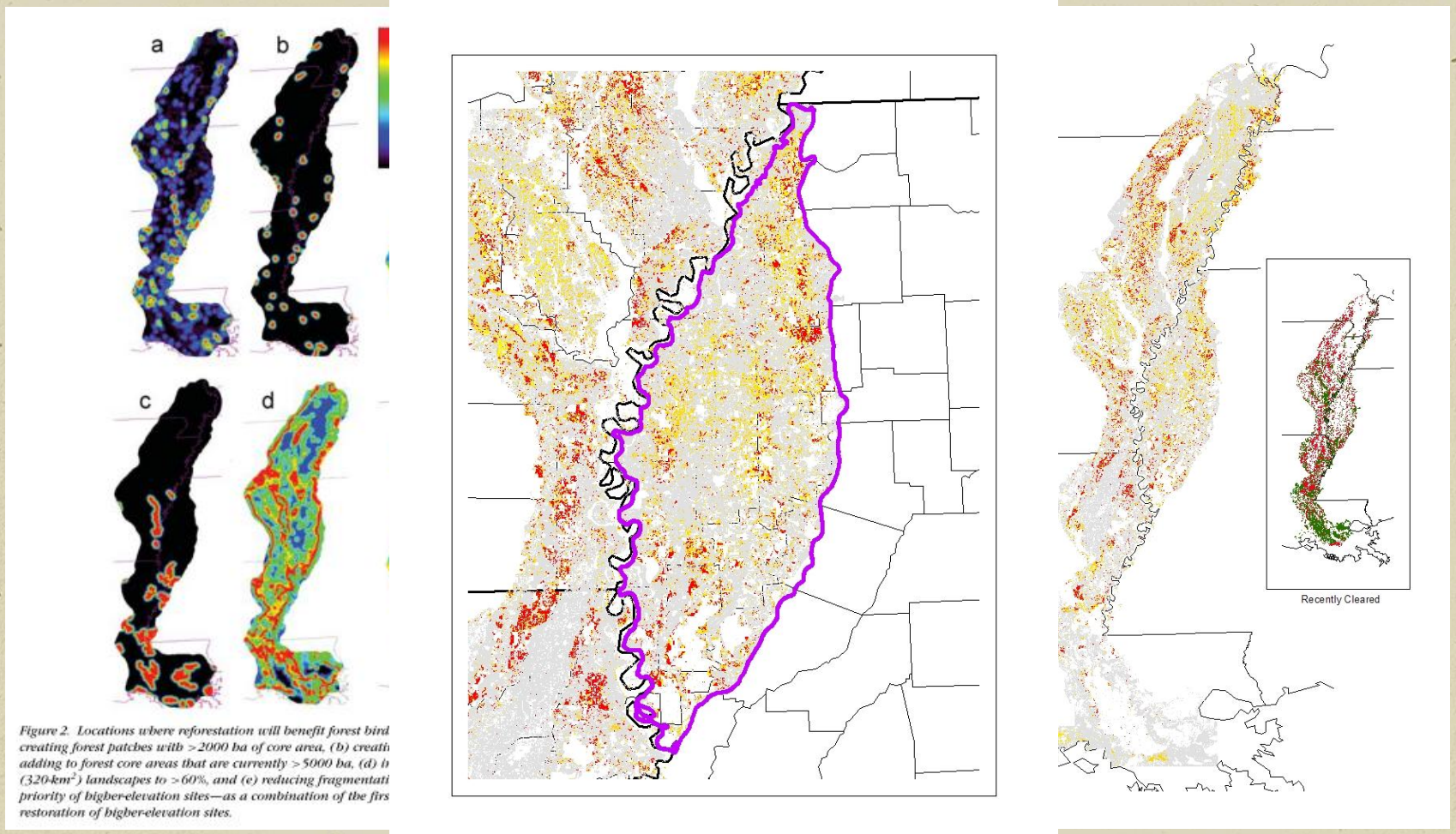

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313k Acres have Highest Likelihood for Successful Wetland Restoration

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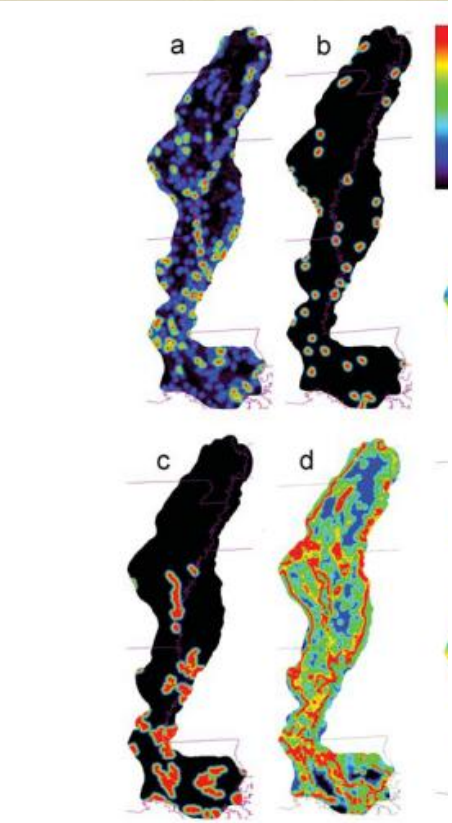

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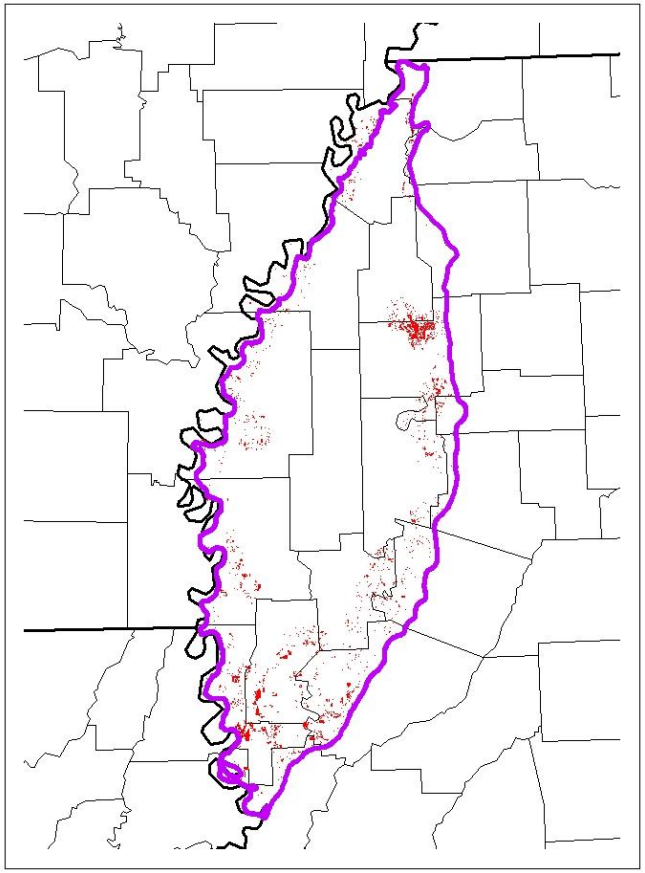

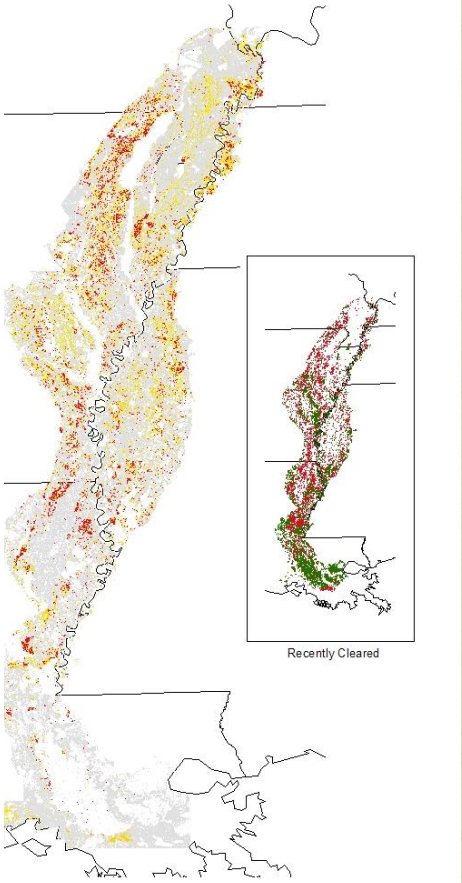

102k Acres High Value Reforestation w/ Likelihood of Successful Wetland Restoration