

Sedimentation Impacts at the Confluence of the Sangamon and Illinois Rivers

Regional Sediment Management Program
FY14 In-Progress Review

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24 July 2014



US Army Corps of Engineers
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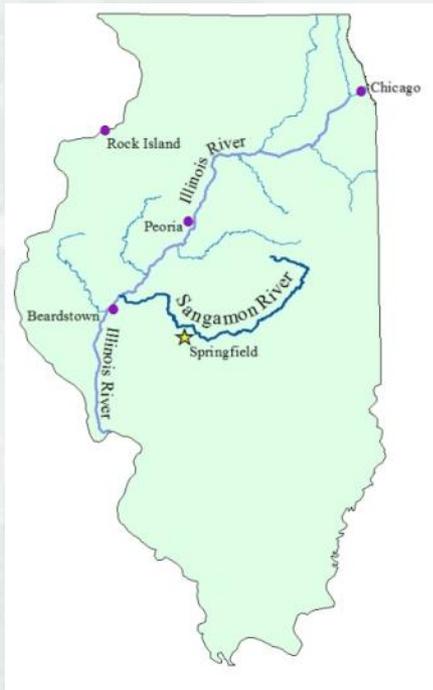
BLUF: This effort achieves greater understanding of the consequences of channelization and other land use activities in the Sangamon River watershed and explores opportunities for addressing sediment delivery to the Illinois River.

Description/Challenges

- Chronic Dredging Location
- Backwater areas of the Illinois have filled in with sediment
- Lack of data
- Lack of awareness/interest

Objectives

- Continue sediment data acquisition and analyses
- Expand collaboration efforts
- Develop beneficial use strategies for sediment



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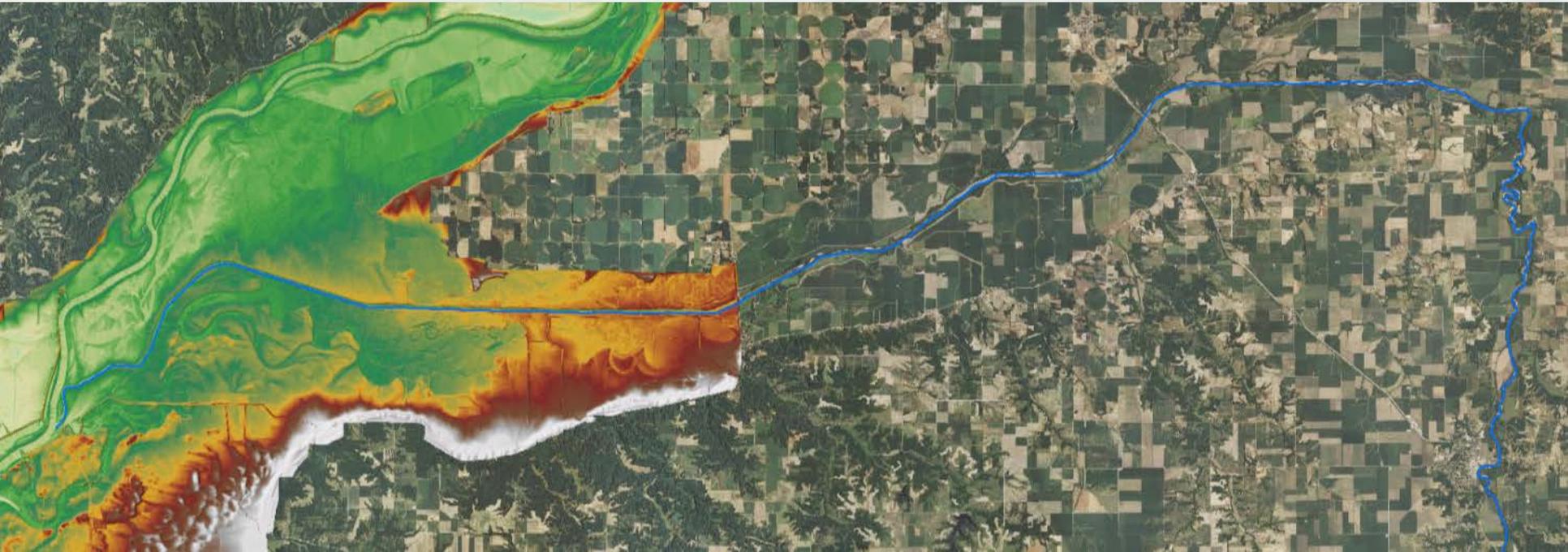
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Approach

- Consult with sediment experts from other agencies
- Work with Levee Safety Program
- Collaborate with various disciplines within the district
- Engage Stakeholders

Deliverables

Inland RSM-EWN Working Meeting – April 29 – May 1, 2014
RSM-EWN In Progress Review – July 22 – 24, 2014
Illinois River Coordinating Council Meeting – August 7, 2014
Surveyed Cross-Sections – September 2014
Scoping Workshop with Stakeholders – September 2014



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Accomplishments/Benefits/Lessons Learned/Action

- Collaboration with Stakeholders
 - Illinois River Coordinating Council – August 2014
 - Scoping Workshop – September 2014
- Erosion Analysis
 - Discussions with experts
 - XS Survey Planned for August 2014
- Developing the USACE Team
- Developing a Beneficial Use strategy that takes into account real estate constraints and environmental restoration needs while reducing required dredging for navigation
- Collaboration with the Levee Safety program – leveraging opportunities to acquire LiDAR



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District PDT Members

- Nicole Manasco, Operations
- Bill Graham, Operations
- Toby Hunemueller, Engineering
- Dave Bierl, Engineering
- Heather Bishop, Engineering
- Elizabeth Bruns, Engineering
- Eric Mortensen, Engineering
- Marshall Plumley, Planning
- Chuck Theiling, Planning

Stakeholders and Partners

- Illinois State Water Survey, Sediment Budget
- Illinois Department of Natural Resources
- USGS – Illinois Water Science Center
- Local Communities

Leveraging/Collaborative Opportunities

- Navigation (Operations Division)
- Illinois River Basin Restoration Program (IL 519)
- Environmental Management Program (EMP)
- Navigation and Ecosystem Sustainability Program (NESP)
- Levee Safety Program
- Collaborated with stakeholders
- Beneficial use of Illinois River Sediment