

# ***Mississippi Valley Division Navigation Challenges & Successes***

***Presentation  
for the***

***Inland Waterways Users Board***



***by***

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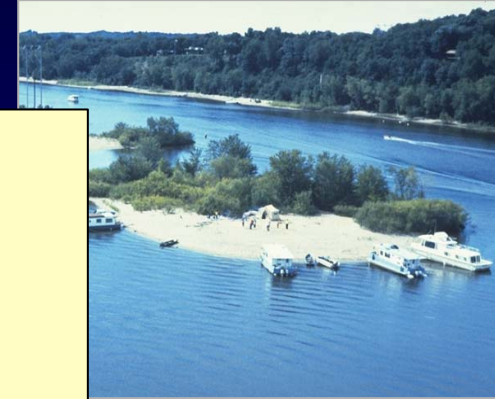
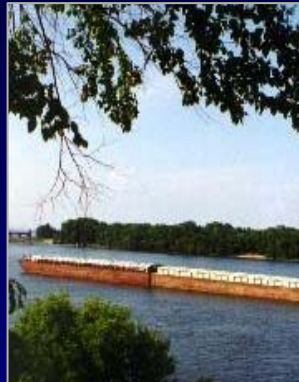
# Upper Mississippi River & Illinois Waterway

## 3 Districts

- St. Paul
- Rock Island
- St. Louis

## 37 Navigation Lock Sites

## 1,200 Miles of Navigable Channel



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# Challenges



## Aging Infrastructure

- Aging & deteriorated structures, concrete, gates, mechanical & electrical systems
- Causes: Freeze/thaw cycles; ice exposure; corrosion; fatigue/use; barge impacts/abrasion

## Miter Gates

- Major Cracking
- Causes: Ice exposure; corrosion; fatigue/loading; barge impacts/abrasion

## Major Rehabilitation & Maintenance

- Needed rehabilitation includes: Miter gates; lockwall/guidewall; machinery & electrical systems; steel corrosion; concrete repairs

## Stoplogs

- Existing MVD Poiree dams and most stoplogs are not fit for service for lock dewatering
- Lock bulkhead slots are needed at UMR locks 4-25 (except 5, 19 & 24) and IWW LaGrange and Peoria
- Set of lock bulkheads needed in St. Paul District



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# Navigation Successes

- **Systems Approach to addressing challenges**
- **Strong Industry & Stakeholder Relationships**
- **Shared resources across Regions**
- **Regional focus within MVD**



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# Essayons



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*One Team: Relevant, Ready, Responsible, Reliable*