

# **Durocher Marine**

**A Division of Kokosing Construction Co., Inc.**

By Mark Henrikson

**Project: Rock and Sediment Dredging Mississippi River, River  
Miles 47-39**

**Owner: USACOE – St. Louis District**

**Location: Thebes, Illinois**



# Drought and Low Water Reach President Obama

## [Waterways Council Study: November 28, 2012](#)

[Economic Impact of shutting the Mississippi River down for 1 month = \\$7 Billion in Commodity Movements](#)

## [Obama Urged to Declare Emergency for Mississippi River - Bloomberg](#)

[www.bloomberg.com/.../obama-urged-to-declare-emergency-for-mis...](http://www.bloomberg.com/.../obama-urged-to-declare-emergency-for-mis...) [Cached](#)

You +1'd this publicly. [Undo](#)

Nov 28, 2012 – Shippers and lawmakers are pressuring President Barack **Obama** to declare a federal emergency along the **Mississippi River**, citing potential ...

## [Senators urge Obama to release more water into Mississippi River](#)

[www.cattlenetwork.com/.../Senators-urge-Obama-to-release-more-wa...](http://www.cattlenetwork.com/.../Senators-urge-Obama-to-release-more-wa...) [Cached](#)

You +1'd this publicly. [Undo](#)

Dec 3, 2012 – Sixteen U.S. senators have appealed to President Barack **Obama** to divert more water to the **Mississippi River** to prevent barge traffic from ...

## [Shippers Ask Obama to Keep River Open - Corn and Soybean Digest](#)

[cornandsoybeandigest.com](http://cornandsoybeandigest.com) › [Blogs](#) › [News from Brock Associates](#) [Cached](#)

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Dec 4, 2012 – **Mississippi River** barge operators and shipping groups asked President **Obama** to declare a state of emergency on the drought-lowered river ...



Minneapolis

St. Paul

L&D 1

L&D 2

L&D 3

L&D 4

L&D 5

L&D 6

L&D 5A

L&D 7

La Crosse

L&D 8

L&D 9

L&D 10

Dubuque

L&D 11

L&D 12

L&D 13

Davenport

L&D 16

L&D 14

L&D 15

L&D 17

Rock Island

L&D 18

Peoria

Peoria L&D

L&D 20

L&D 19

L&D 21

La Grange L&D

L&D 22

L&D 24

L&D 25

Melvin Price L&D

St. Louis

L&D 27

LEGEND

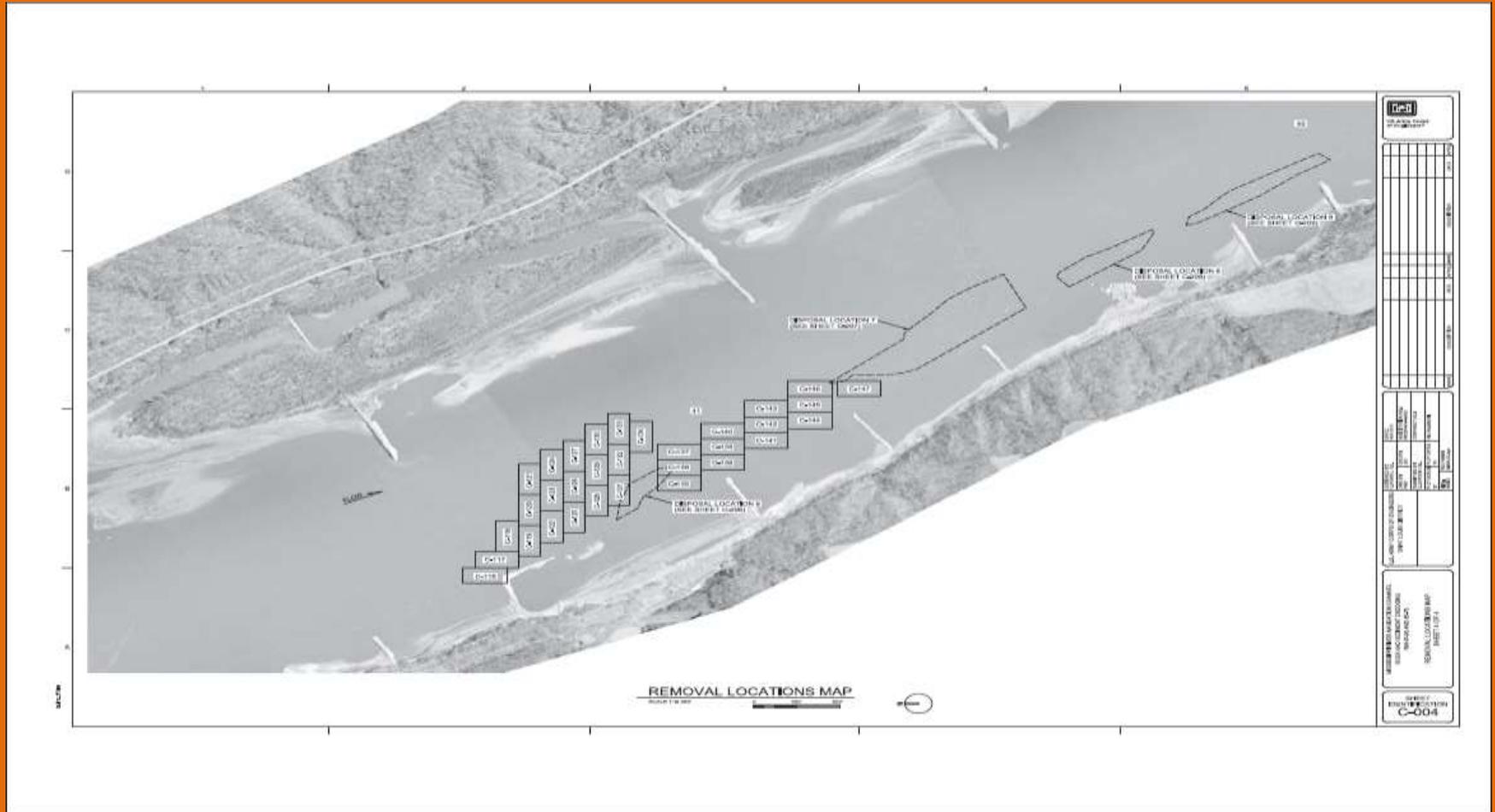
— 600-foot Locks

— Existing 1,200-foot Locks

— Proposed 1,200-foot Locks

Thebes, IL

# Work Area: Boxes 116 thru 148





# Project Details

- Dredge Volume: 136 Cubic Yards
  - Dredged Volume: Thousands of Cubic Yards
- Dredge Locations: 203 Locations
  - Actual Locations: Greater than 203 due to incomplete Corps before survey
- Corps Boxes: 32+6 Total
- Coverage Area: 33 Acres or 48 Football Fields
- Dredge Tolerances: 0.1 Feet

# Schedule of Events

Pre-Bid: December 4

- Original Format: Proposal & Evaluation
- Due Date: December 17

Bid Date Changed: December 5

Urgent and Compelling

Bid Date: December 6

“Look forward in the foxhole”

Signed Contract: December 7

Mobilization: Required to be onsite December 17

Completion: January 18

Milestone Dates:

- Christmas
- January 11



# Mobilization

## Submittals

- Blast Plan
- FPH-Coast Guard

## Excavation Barge

## Hydraulic Hammer Barge

## Drill and Blast Barge

## Crane Barge

## Material Barges

## Tug Boats

## Personnel

## Subcontractors

- Drill and Blast
- Survey – Arc Surveying



# Onsite Work



# Excavation





# Crane Barge





# Excavator with Hydraulic Hammer



# Drill and Blast Spread



# Lessons Learned

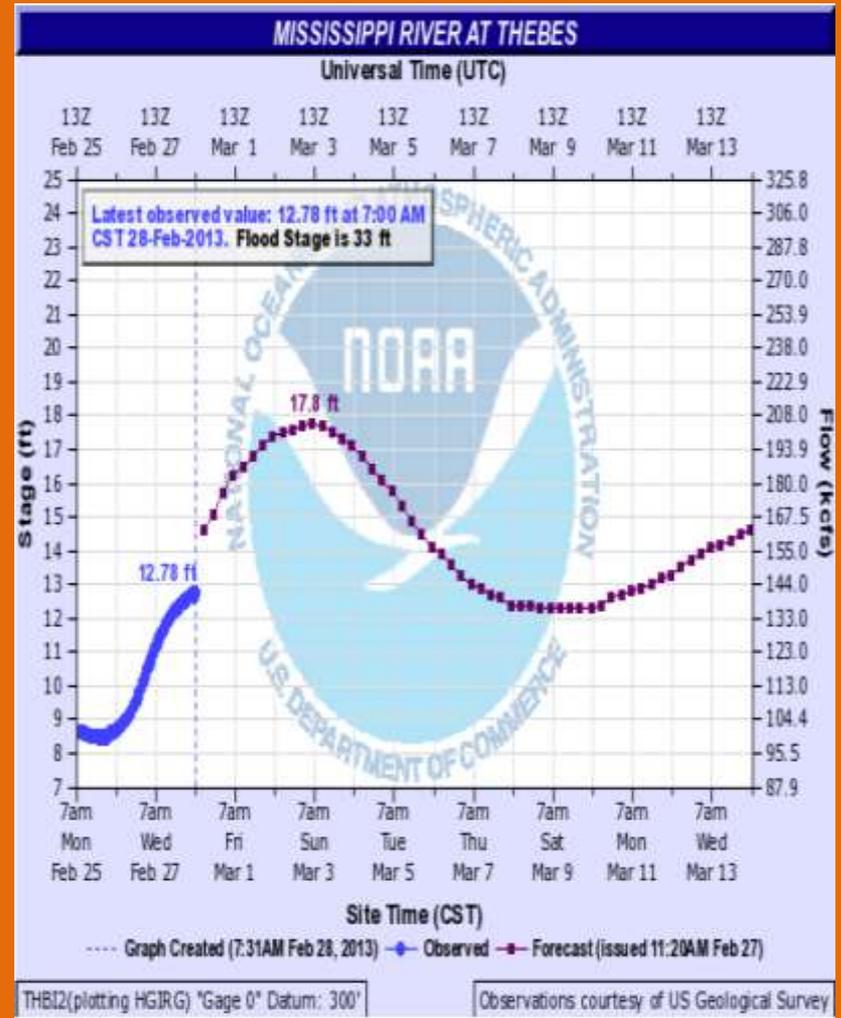
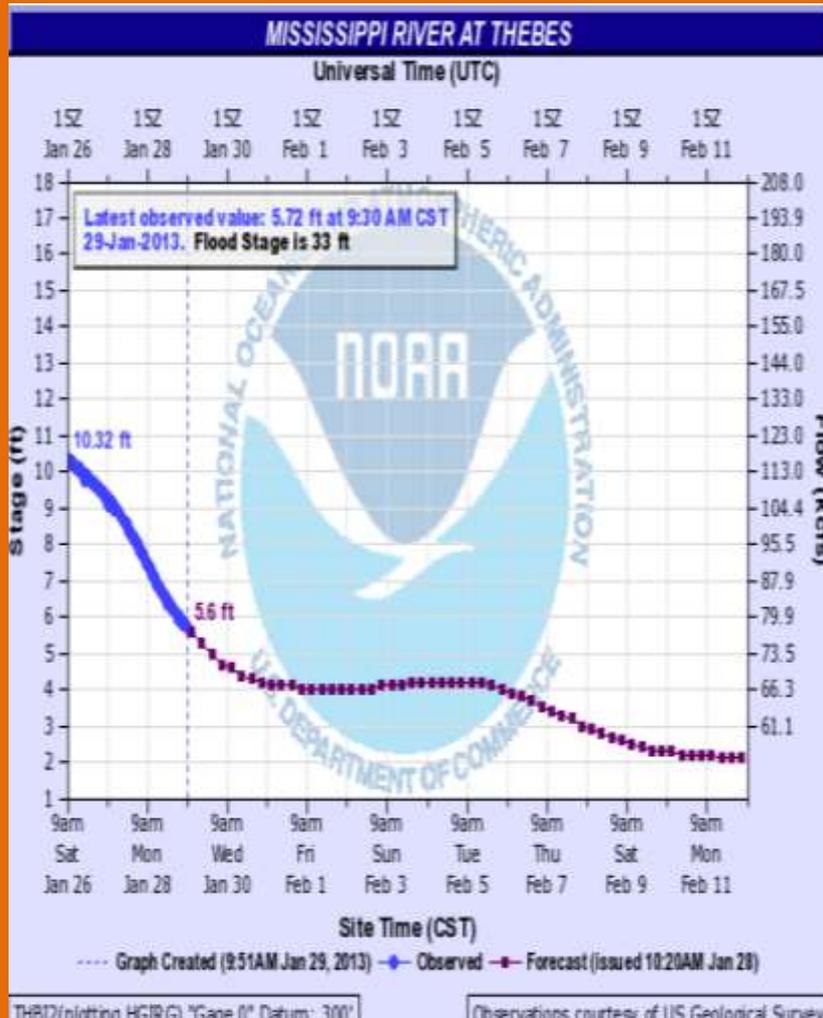
# Tip of the Iceberg



# Fog and Sundays: Affects on RTK



# River Fluctuations



# High Water and Flooding



**John Sawyer**  
**with**  
**Arc Surveying**