

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...](#) [Cached](#)

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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...](#) [Cached](#)

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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](#)

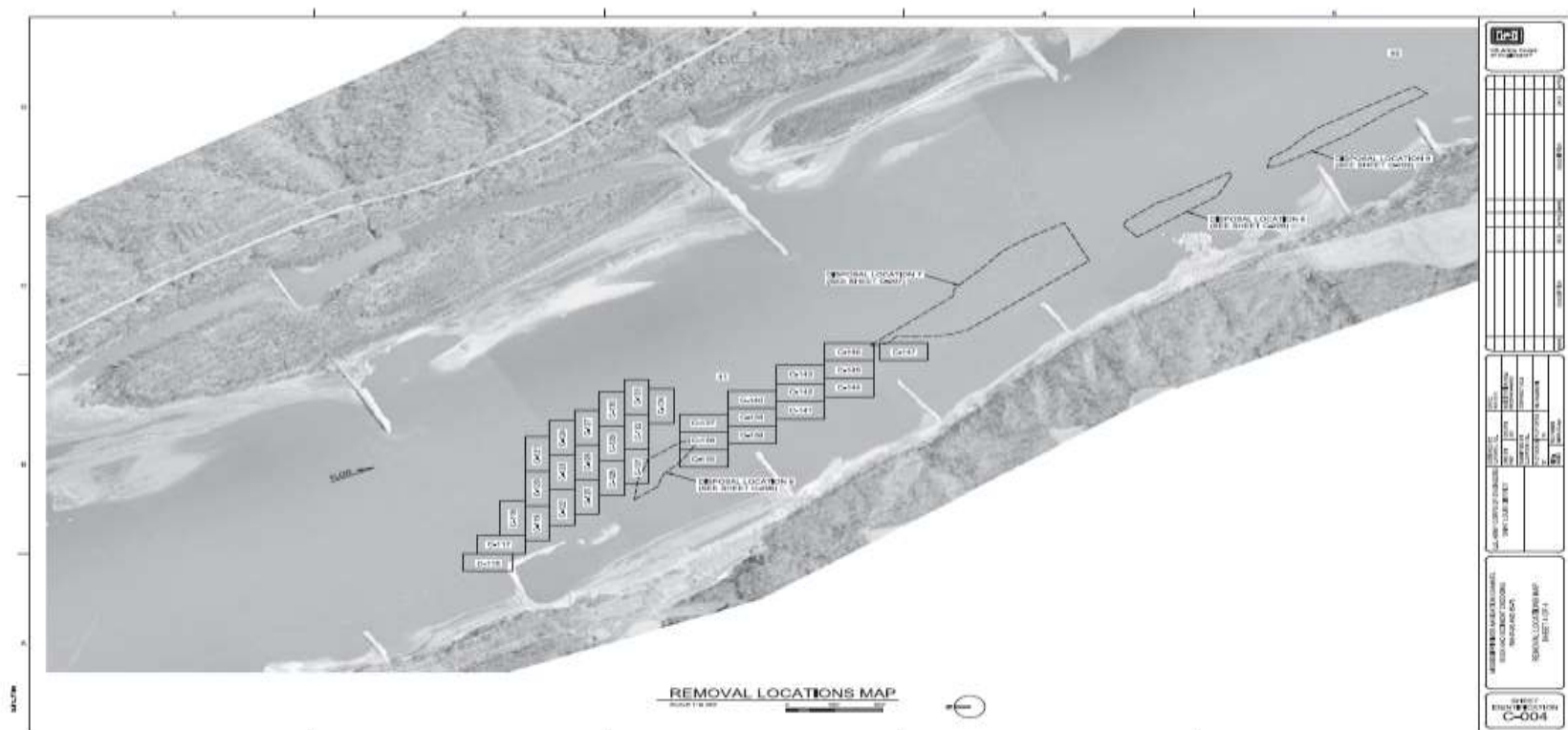
[cornandsoybeandigest.com › Blogs › News from Brock Associates](#) [Cached](#)

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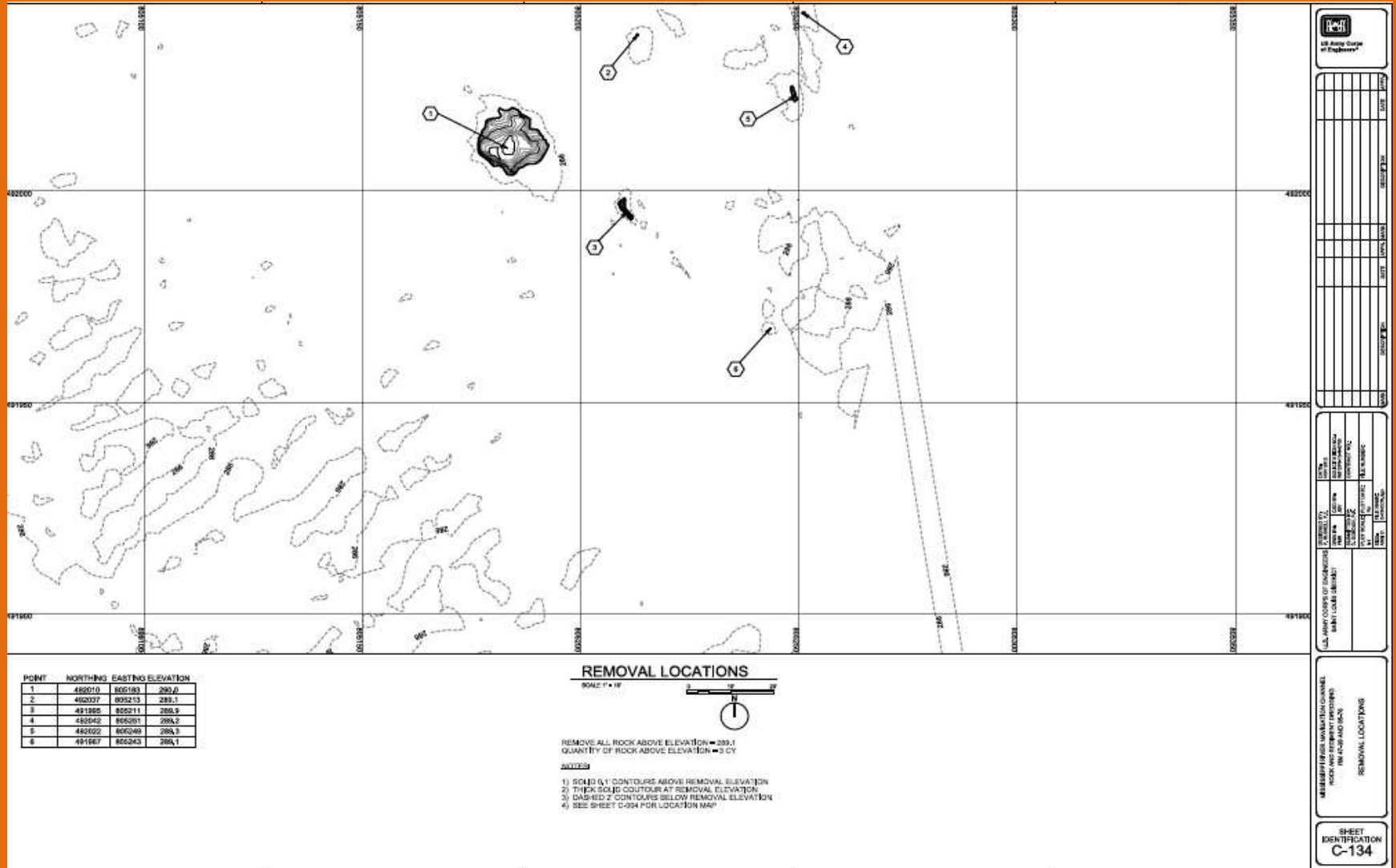
Dec 4, 2012 – **Mississippi River** barge operators and shipping groups asked President **Obama** to declare a state of emergency on the drought-lowered river ...



Work Area: Boxes 116 thru 148



Typical Pinnacle and High Spots



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

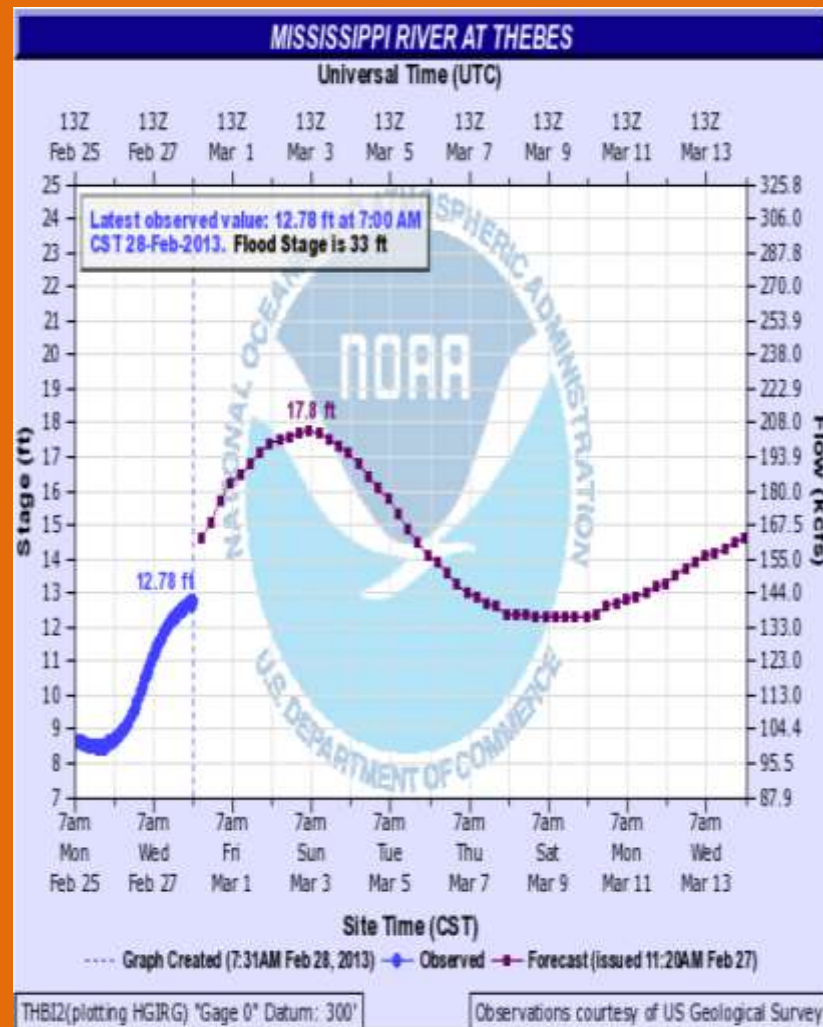
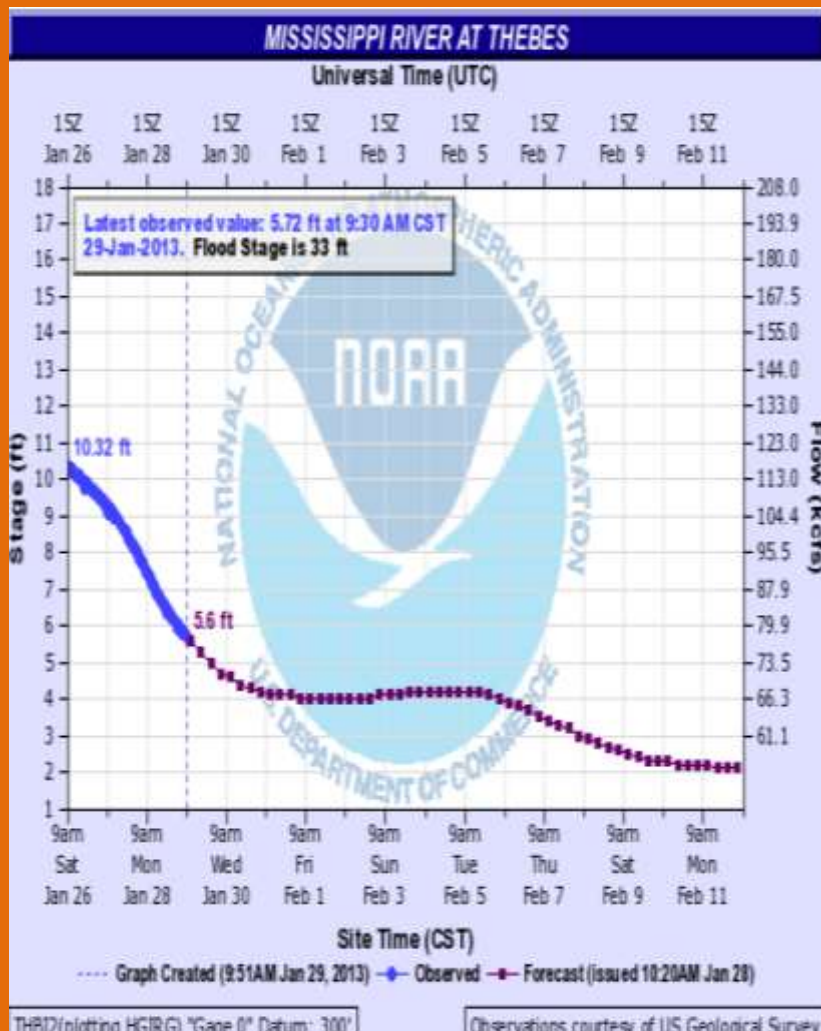
Tip of the Iceberg



Fog and Sundays: Affects on RTK



River Fluctuations



High Water and Flooding



John Sawyer
with
Arc Surveying