2013 Midwest Chapter Meeting Midwest Dredging: Successes & Challenges







Rock Pinnacle Surveying

For: Durocher Marine

Mississippi River, Thebes, Illinois

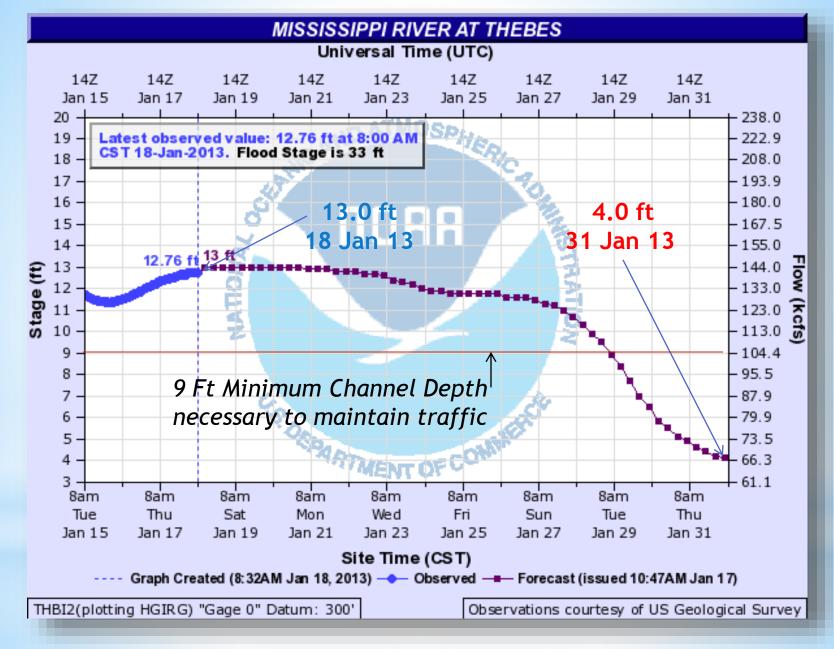


*Mississippi River Barge Transportation in Jeopardy

Thebes, Illinois



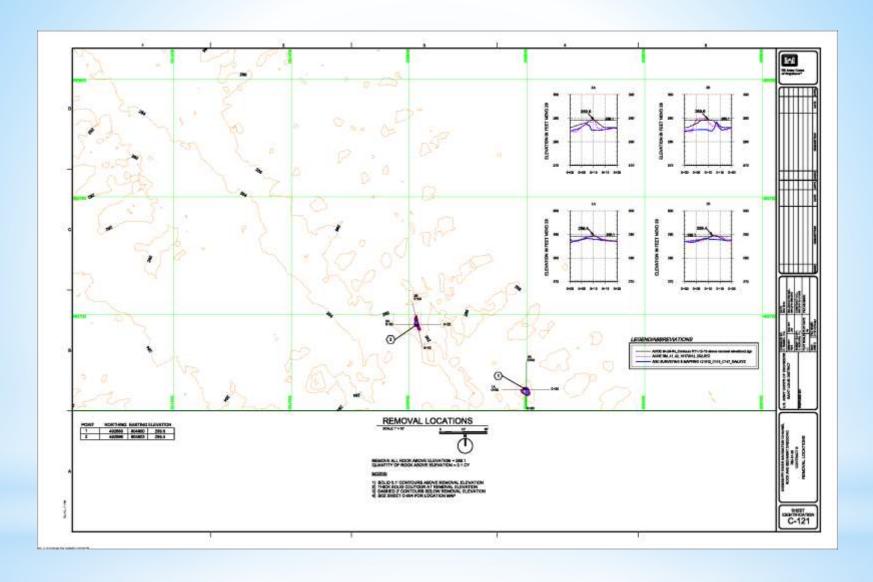
*Thebes, Illinois Low Water



Decreasing River Stages



*Thebes, Illinois River Stages



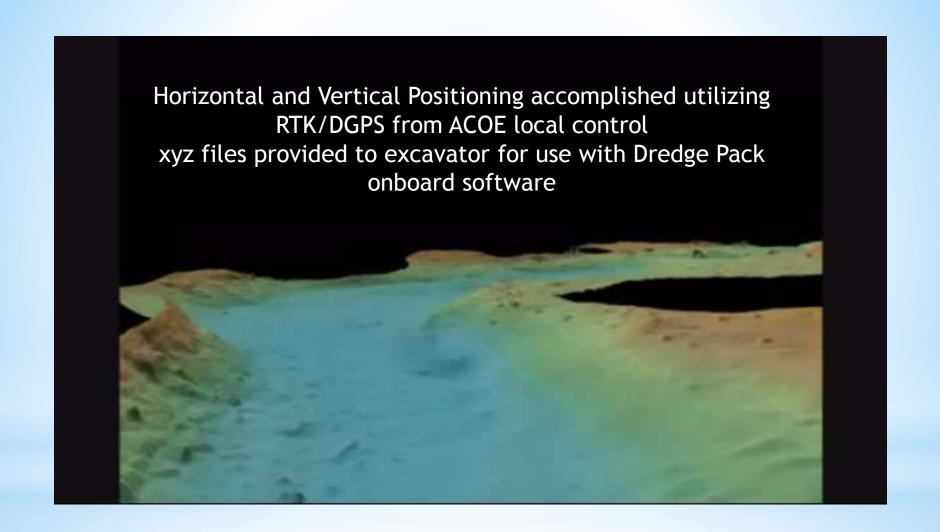
*Pinnacle Location & Removal



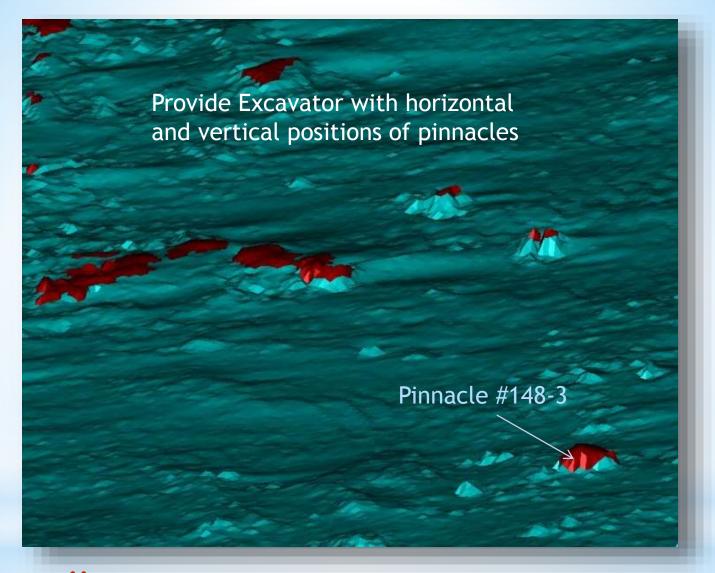
*Pre-Excavation Survey



*Reson 7125 Multibeam Sounder



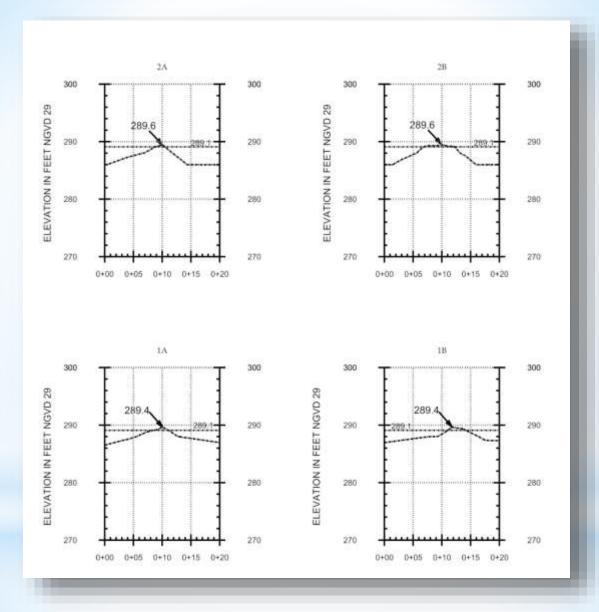
*Pre-Excavation Survey



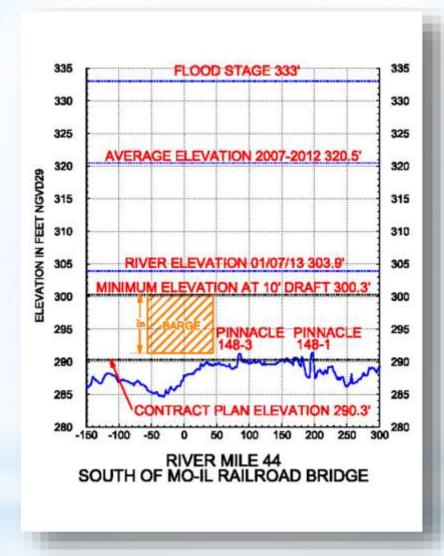
*Multibeam Bathymetry
Rock Pinnacles to be Removed



*Backhoe Excavator



Before Pinnacle Removal



*Mississippi River Cross-Section



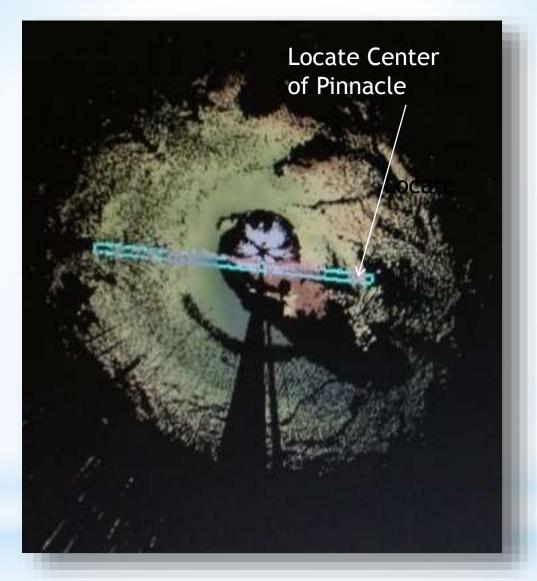
*Drill Barge



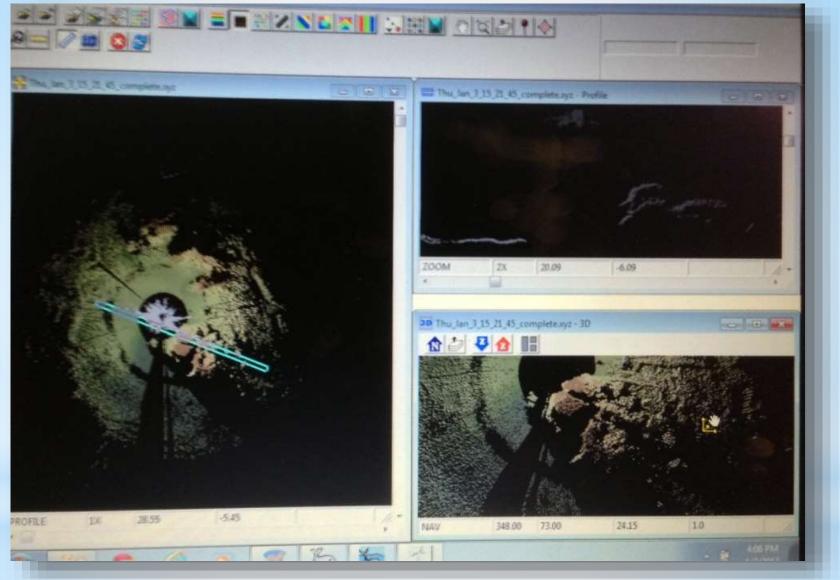
*Lower Blueview Sonar Scanner



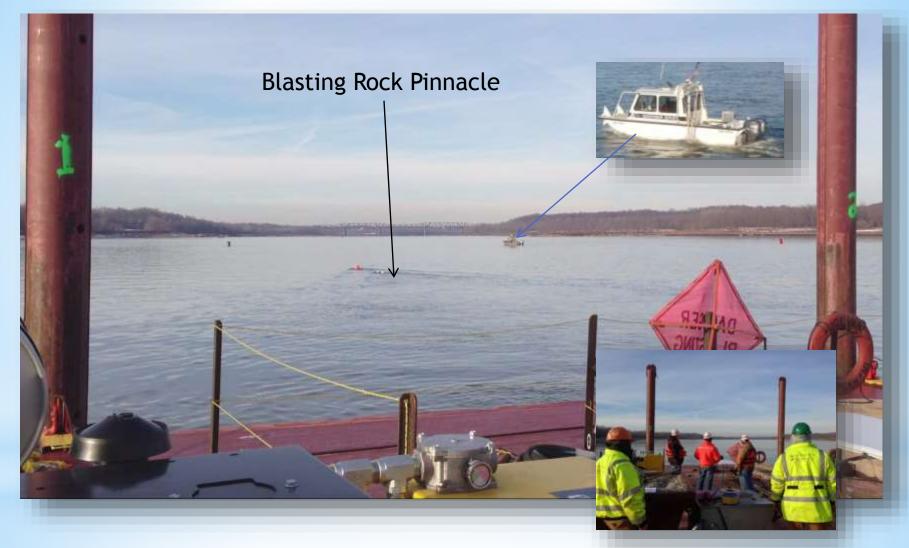
*Sonar Scanning



*Scan Rock Pinnacle



*View Prill on Pinnacle



*Rock Pinnacle Blasting





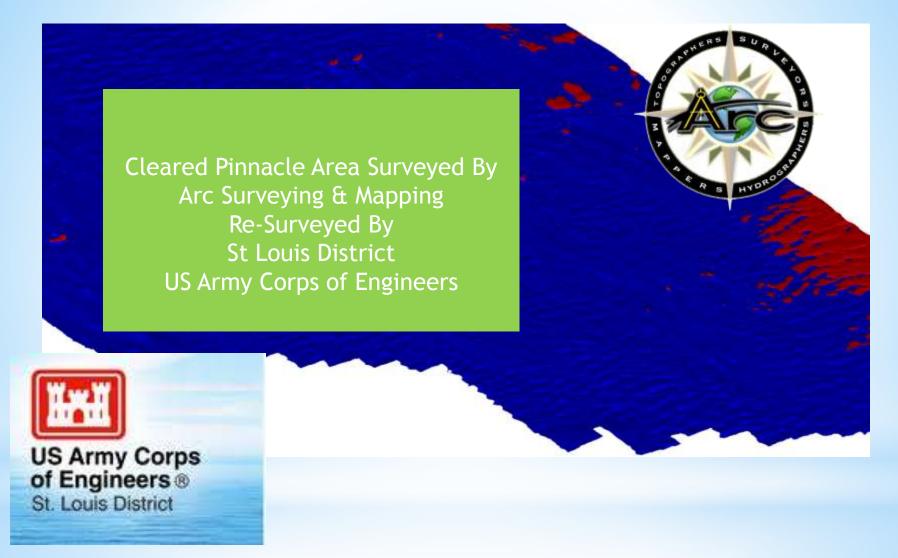
*Excavating Rock Pinnacles



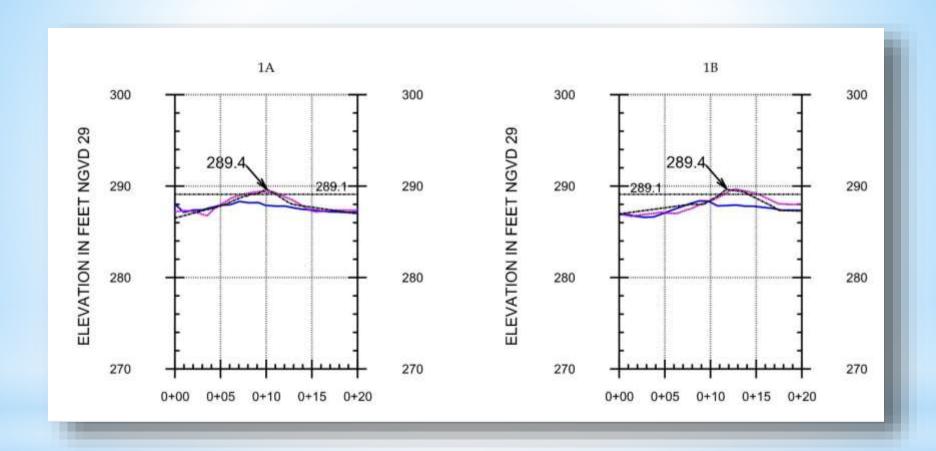
*Rock Boulder Removal



*Post Blast Survey



*After-Dredge Clearance Survey



Before and After Pinnacle Removal











*Partners in Progress