

WESTERN DREDGING ASSOCIATION



November 19, 2015

THE PORT OF MORGAN CITY

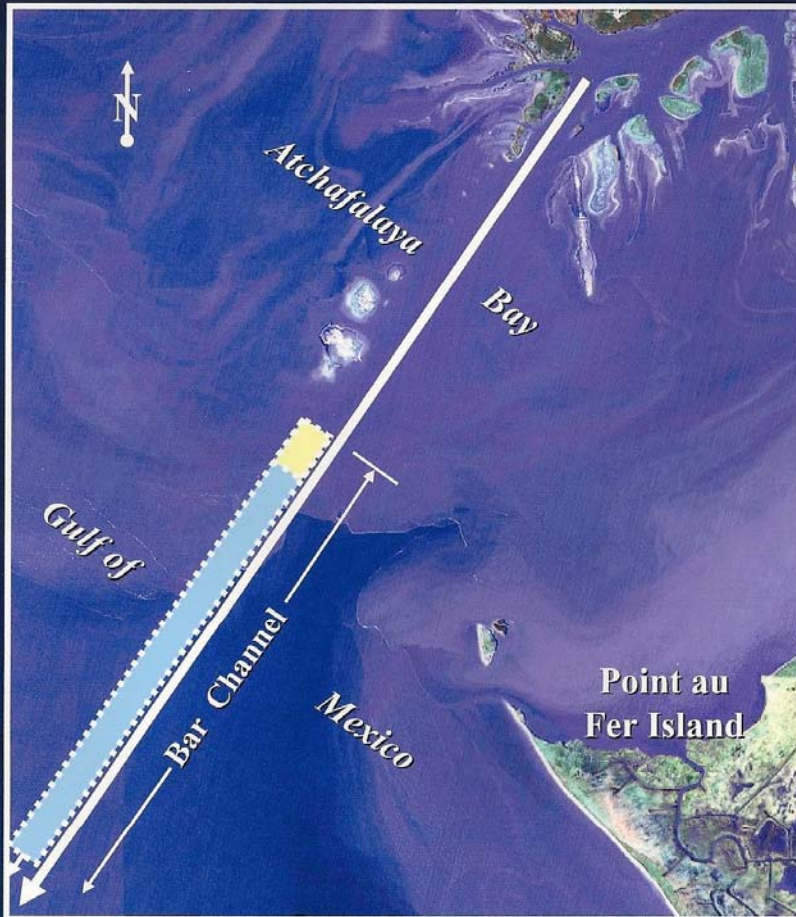
THE FOCAL POINT OF WATERBORNE TRANSPORTATION IN FOUR DIRECTIONS

- Located at the confluence of the Atchafalaya River and the GIWW at WHL Mile Marker 95
- Located at the birthplace of the offshore oil exploration industry
- Ideal location for import/export of goods via medium draft ships



AREA OF CONCERN

Lower Atchafalaya River Bar Channel



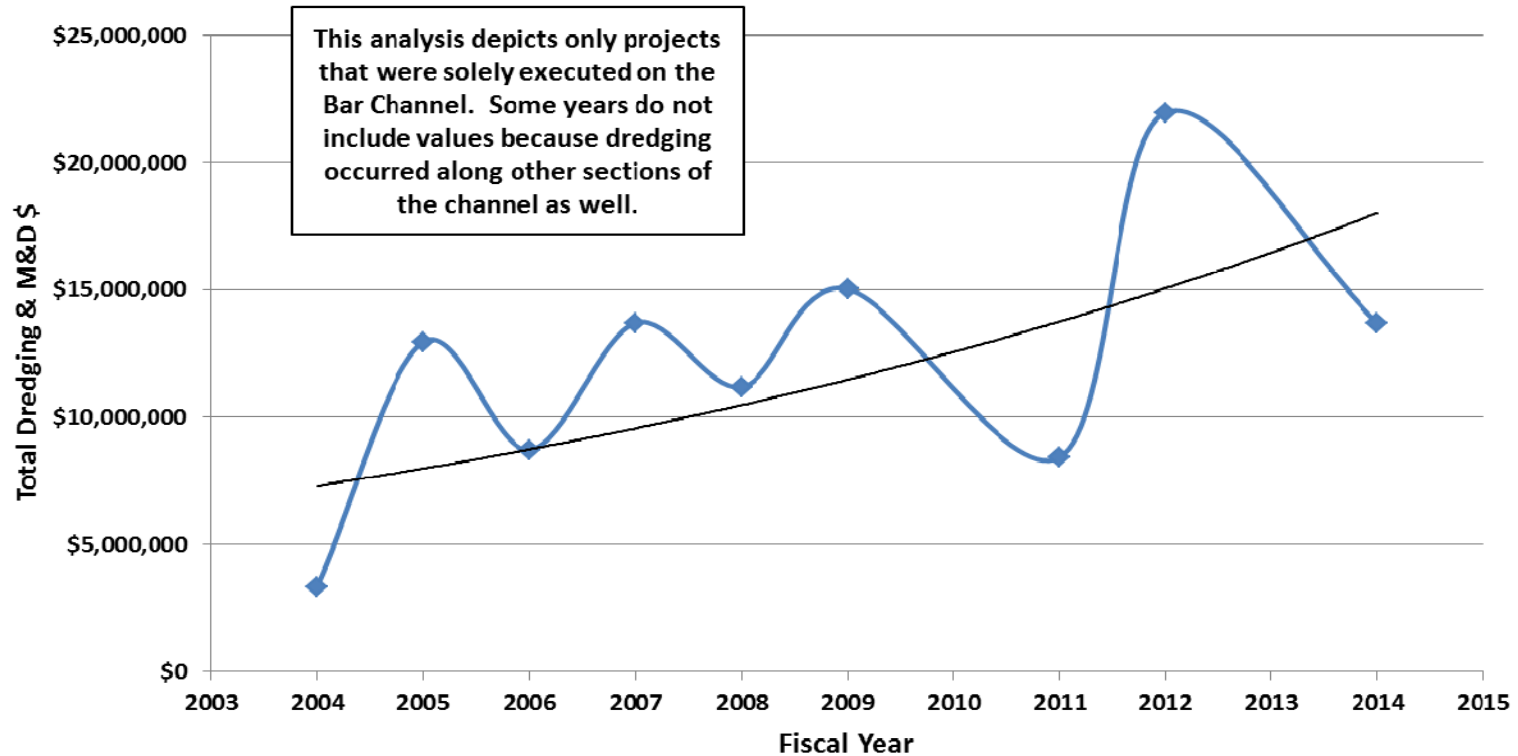
ATCHAFALAYA BAR CHANNEL FLUFF ISSUES

- Traditional maintenance dredging has failed to provide a reliable channel.
- International operations have been severely impacted and has limited our ability to attract new customers.
- B/C ratio is going in wrong direction – costs increasing; benefits decreasing due to customer loss.



ATCHAFALAYA BAR CHANNEL FLUFF ISSUES

Atchafalaya Bar Channel Projects Only




ATCHAFALAYA BAR CHANNEL FLUFF ISSUES

- **Long term viability is threatened.**
- **We cannot continue to do what we have been doing or we all lose!**



“There is no easy answer to the fluff problem. The Corps cannot prescribe a single solution. Were we able to do that, it would have been done a long time ago. We need the help of the port and the users of the channel, along with a variety of technical experts to shape the framework of possible solutions. That is how we intend to go forward.”

LETTER TO MORGAN CITY HARBOR AND
TERMINAL DISTRICT DATED FEBRUARY 13, 2004

Sincerely,

Peter J. Rowan
Colonel, U.S. Army
District Engineer

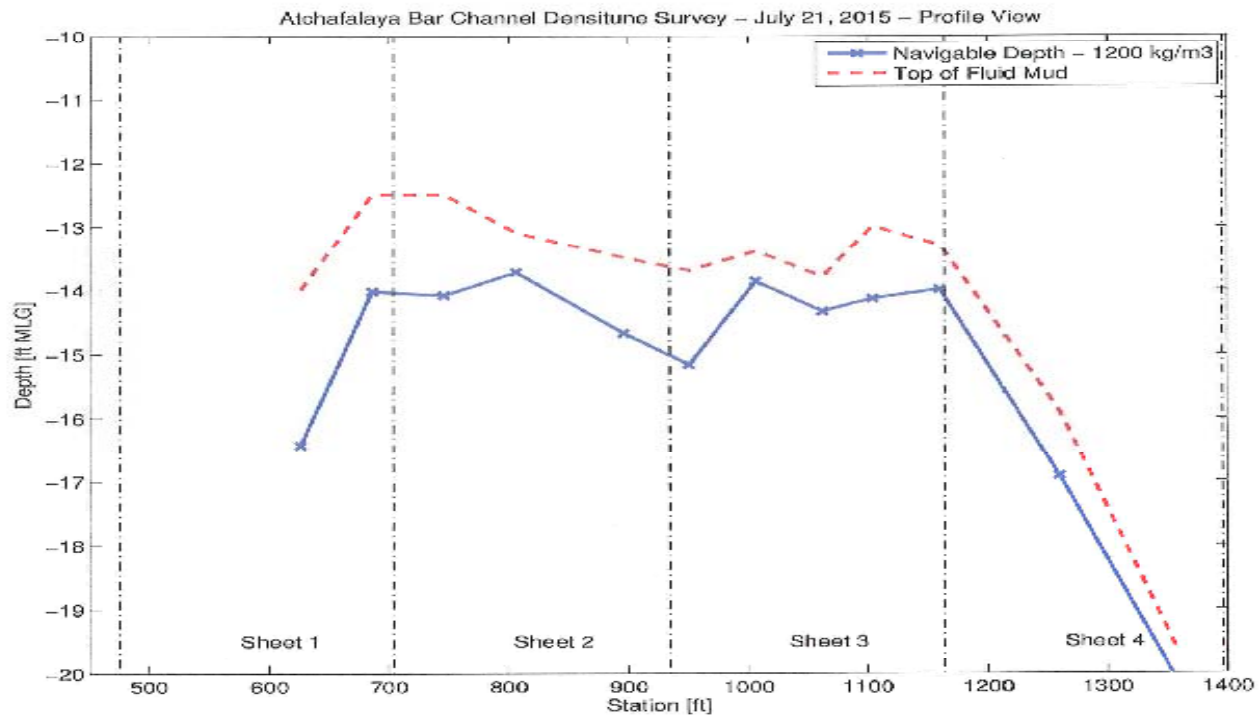


WHAT HAVE WE LEARNED ABOUT FLUFF MANAGEMENT

- Cutterhead dredges do not produce long term FLUFF management in the ABC.
- In Bar Channel areas where fluff creates issues, it may be cost effective to remove small accumulations through agitation.
- Re-suspension of sediment in the water column may be best method to fluff management.



PORT'S INTERNATIONAL CUSTOMERS MONITORING THE BLUE LINE – 1200 kg/m³ NAVIGABLE DEPTH



OUR CURRENT SOLUTION

- Work with the Corps to implement a dredging program that de-densifies fluff through continuous re-suspension.
- Develop a “Demo” dredging project in 2016 that de-densifies through re-suspension.
- If “Demo” project is successful, long term solution is to design/construct a dredge specifically for ABC fluff.



UPCOMING “DEMO” PROJECT

- MVN is working on a solicitation for early 2016.
- Solicitation will be for a leased hopper dredge contract with dredge placed primarily in agitation mode.
- Specific Gravity readings and survey will be taken by the Port before, during and after dredging to monitor effectiveness.

