

NATIONAL DREDGING MEETING

HURRICANE SEASON 2006

14 June 2006

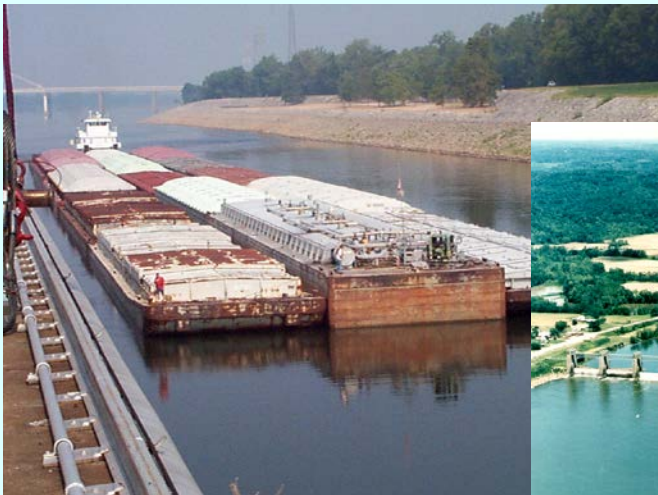


Mike Kidby
**Navigation &
Operations CoP**



Corps Navigation Mission

Provide safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.





HURRICANE SEASON 2006

- **We are on Day 14 (TS Alberto is behind us!)**
- **Only 169 days left!**



HURRICANE SEASON 2005 LESSONS LEARNED

- **Partnering with other Federal agencies and with stakeholders was critical to getting major waterways back in operation quickly**
- **Communication networks were severely impacted initially and caused major problems – develop plans to address**
- **Knowing the status and availability of each dredge in the area likely to be impacted by major hurricanes is critical!!**
- **Exercise! Exercise! Exercise! (Practice makes perfect.)**
- **In the future, plan for the worst and we will be prepared.**



ELEMENTS OF PARTNERING

■ Pre-event planning

- Exchange POC contact info
- COOP (Continuity of Operations) contact info if severely impacted –where, who, how to resume contact?
- Establish an effective communication system
- **Determine the status of all dredges in the district/MSR/region**
- Have dredging contracts on-the-shelf (IDIQ? Other types?) – ready to go
- Know dredging windows for each port, harbor or waterway
- Have established an agreed-upon inter-agency and stakeholder response protocol

■ Post-event (ASAP) condition assessment and response action prioritization

- Critical to draw on available resources of other agencies and stakeholders – needed equipment, fuel supplies, assistance with channel surveys or Aids to Navigation placement
- Work with other agencies and the nav industry to prioritize response
- Communicate regularly during response and recovery

■ Post-event recovery actions

- Share Corps project status with USCG, nav industry, **dredging organizations (?)** and other stakeholders

HURRICANE KATRINA



Dredging Underway: GIWW (Apalachicola Area) - Inland; Tenn-Tom WW - Crosby; Mobile Bay - Hooks; Panama City Beach – Weeks; Gulfport Sound – Hooks; Biloxi, Ms – Hooks; Mississippi River – Manson; East Pass, FL – Hooks; Dauphin Island – Hooks. **Anticipated Dredging:** Panama City – Inland (Feb 06)

HURRICANE RITA SWG

HOUSTON SHIP CHANNEL TRIBUTARIES

Barbour's Terminal, 42', open 29', (**\$2,500K**)

Bayport Ship Ch., 42', open 34', (**0.85 mcy**)

Chocolate Bayou
14', open 6', (**3.0 mcy**)

Channel to Port Bolivar
14', open 9', (**0.1 mcy**)

Beaumont, 40', open

**Houston, 45',
open** (**1.9 mcy**)

**Gulf Intracoastal
Waterway**
(**1.2 mcy**)

**Texas City, 40',
open** (**0.3 mcy**)

**Galveston, 40',
open,** (**0.3 mcy**)

**Freeport, 47/45',
Open,** (**0.6 mcy**)

Port Lavaca
(**0.76 mcy**)

**Sabine Neches
Channel 40', open**
(**6 mcy**)

**Freshwater
Bayou**

Calcasieu Lock

Leland Bowman

Atchafalaya River

Port Fourchon

New Orleans

Legend



Open



Restricted, but
operational

(**dredging requirement -
volume mcy**)

Dredging Completed: Galveston Harbor & Channel – Hooks. **Dredging Underway or Awarded:** Corpus Christi SC – King Fisher (Oct 05 – Jan 06); Houston SC – LaQuay (Jun 05 – Dec 05); Brazos Island Main Channel to Turning Basin (awarded 29 Dec 05) (Jan – Apr 06); Channel to Victoria Middle Reach 28 Dec 05 (Feb-Mar 06); Houma Nav Channel – Tom James. **Pending Award:** Matagorda SC Peninsula to Point Comfort – 3-6 Jan 06; Freeport – 23 Dec 05 (Dec 05 – Feb 06); GIWW Main Channel in Matagorda Bay – 3-6 Jan 06 (Jan – Mar 06). **Pipeline Dredging Anticipated:** Sabine Neches WW (Jan – Sep 06); GIWW – Colorado R to Matagorda Bay – postponed; Texas City (Feb – May 06); Bayport (Mar – May 06); Victoria (May – Sep 06). **Hopper Dredging Anticipated:** Sabine Neches WW (Mar – Apr 06); Galveston – (Jun – Sep 06)

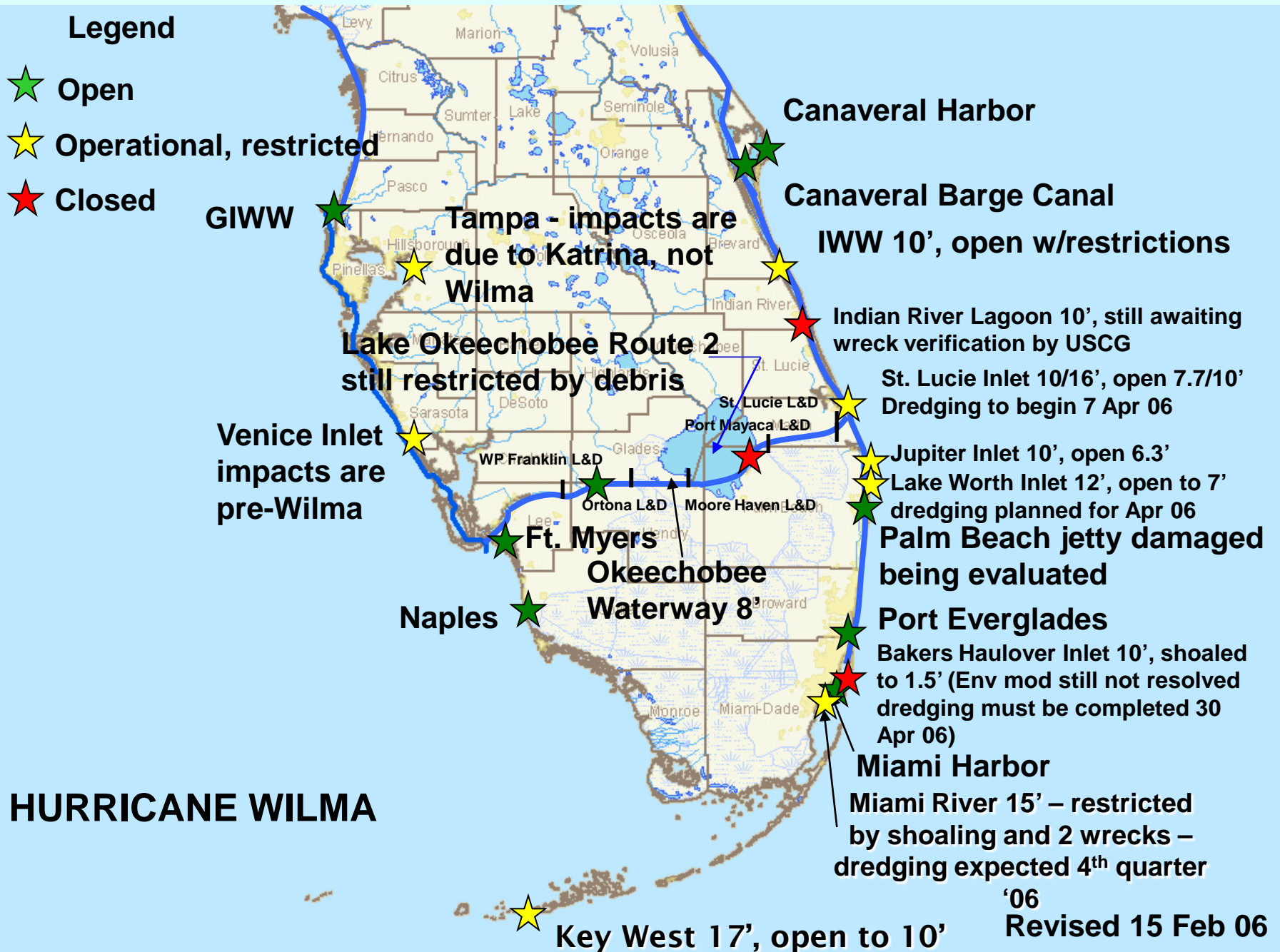
Revised 15 Feb 06

Legend

★ Open

★ Operational, restricted

★ Closed



A VERY WISE PHILOSOPHER HAS SAID (MANY TIMES):

STILL HAPPENS

An aerial photograph of a wide river with three large ships. The ship in the foreground is a tugboat or barge tug, moving towards the right and leaving a white wake. Behind it are two larger cargo ships. The water is a muddy brown color. In the background, there is a green shoreline with trees and a small body of water. A large, stylized, blue and white text overlay reading "STILL HAPPENS" is positioned diagonally across the center of the image, partially obscuring the ships.