



Marine Transportation System Recovery

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Marine Transportation Recovery

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Why MTS Recovery?



"The MTS is an integral part of our nation's economy...temporary incapacitation at the local level can have a dramatic impact throughout the region and nation." DOT 1999.

The MTS is a complex system of components:

Waterways

Ports & intermodal connections.

Vessels

Vehicles

System Users



Recovery vs. Restoration



- **Recovery:** Returning MTS infrastructure to a status that allows port facilities to operate and transportation to return to “near normal.”
 - Typically can be completed within 90 days of incident.
 - Uses resources generally within Coast Guard control.
- **Restoration:** Returning the MTS to pre-incident capacity.
 - Longer term effort.
 - Factors well beyond port level CG control.



Before



After





Essential Elements of Information

- **Waterways and Navigation Systems**

- Aids to Navigation
- Deep Draft Channels
- Non-Deep Draft Channels
- Locks/Hurricane Barriers
- Vessel Salvage/ Wreck Removal
- Oil Pollution Incidents
- Hazardous Materials Incidents

- **Port Area – Critical Infrastructure**

- Bridges
- Bulk Liquid Facilities
- Container Cargo Facilities
- Non-containerized Cargo Facilities
- Shipyards
- High Capacity Passenger Vessel and Ferry Terminals

- **Port Area - Vessels**

- Commercial Fishing Vessels
- High Capacity Passenger Vessels and Ferries
- Small Passenger Vessels
- Barges

- **Offshore Energy**

- Offshore Platforms
- Offshore Production
- Offshore Renewable Energy Installations

- **Monitoring Systems**

- Monitoring Systems/VRMS



MTSRU



- **Who make up our Team ?**

NOAA - LCDR Matt Wingate

ACOE - Dubán Montoya

AWO - Brendan MacGillivray

NE Pilots - Capt Joe Maco

Facilities - David Keene (Shell Providence)

- **Responsibilities**

- Support Operations Section.
- Track and report impacts to MTS IAW EEI's.
- Coordinate with stakeholders.
- Identify resources to assist with recovery of MTS.
- Prioritize recovery operations.
- Monitor economic consequences.
- Vessel traffic management.
- Track potential restoration issues.



Engaging Stakeholders



- US Coast Guard leads the industry & interagency team for MTS recovery (partial list)
 - **USACOE**
 - **NOAA**
 - **USN**
 - **DOE**
 - **DOT**
 - **MMS**
 - **DoD JTF**
 - **Pilots**
 - **Tug Companies**
 - **Ship Operators**
 - **Facility Operators**
 - **Labor**
 - **Port Authorities**
 - **National Industry Groups**
 - **Shipyards**
 - **Salvers**
 - **Pollution Responders**
 - **State & local governments**



Hurricane Gustav

- Incident Summary:

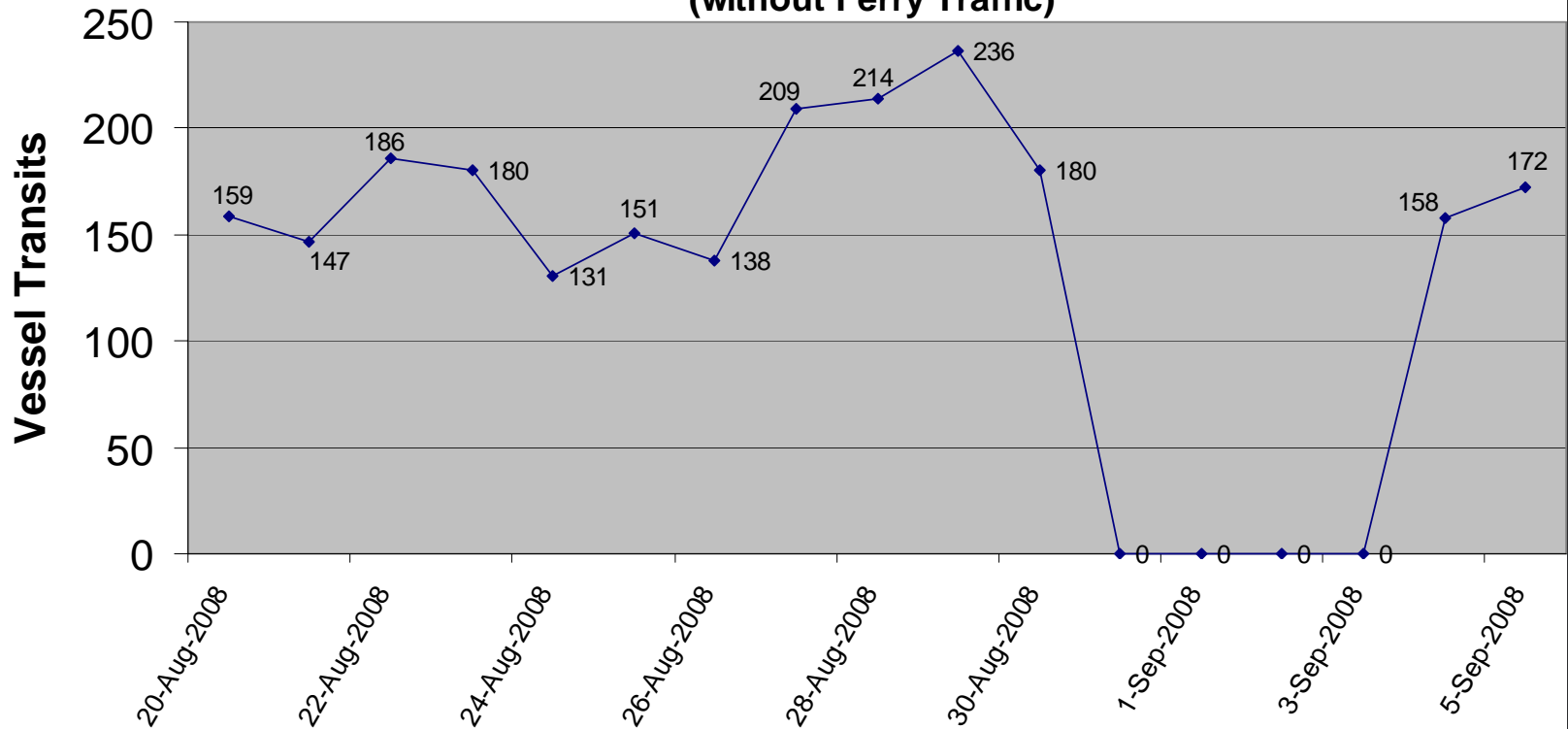
Hurricane Gustav made landfall as a Category 2 storm on 01SEP08 approximately 72 miles southwest of New Orleans and slowed to a Category 1. The storm downed trees and caused power disruption throughout southern Louisiana, Alabama and Mississippi. Two of the levees on the Mississippi River were overtopped but did not effect the marine transportation system.



Gustav - Vessel Traffic



Port of New Orleans Traffic (without Ferry Traffic)





Questions?





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