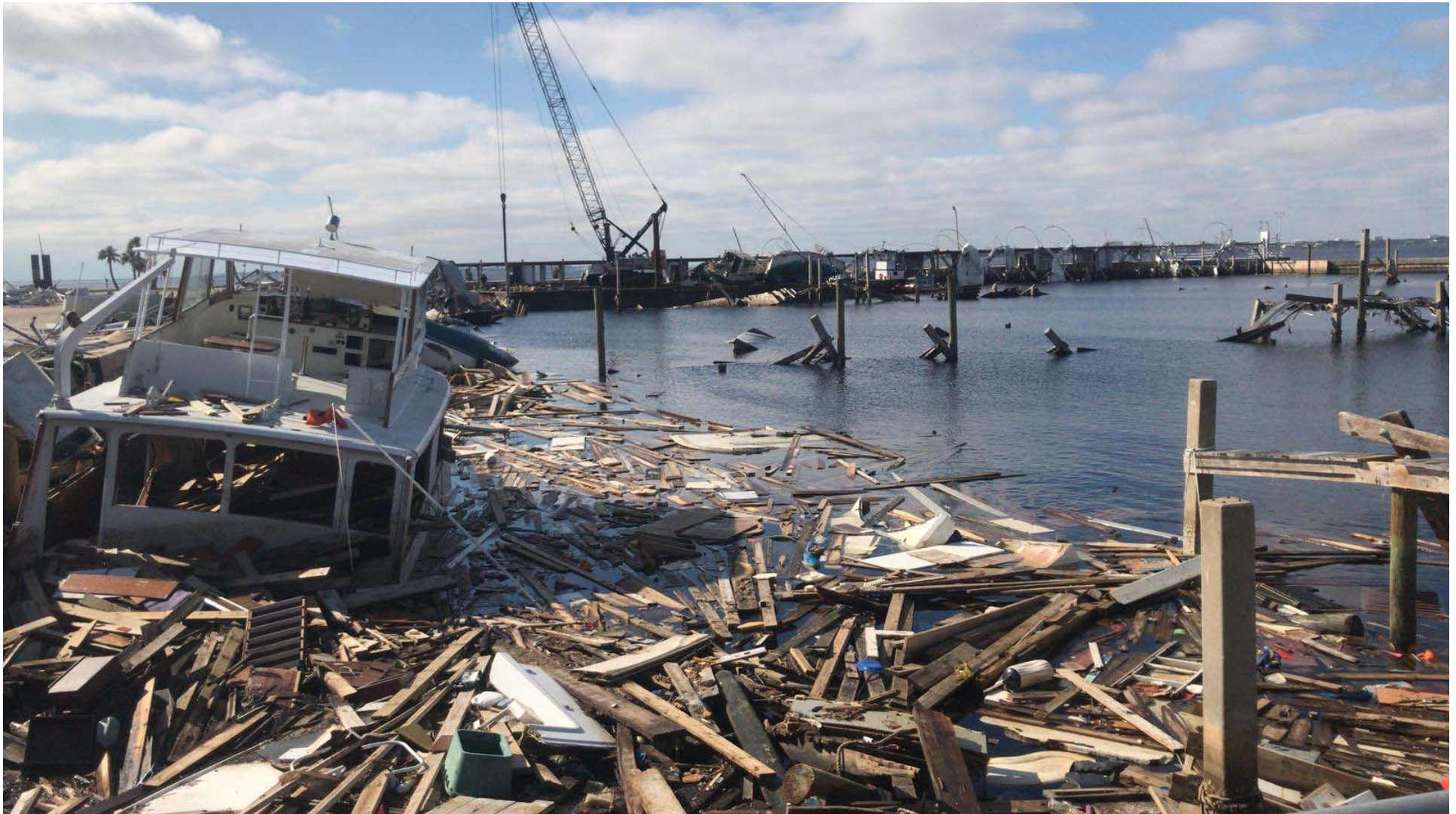


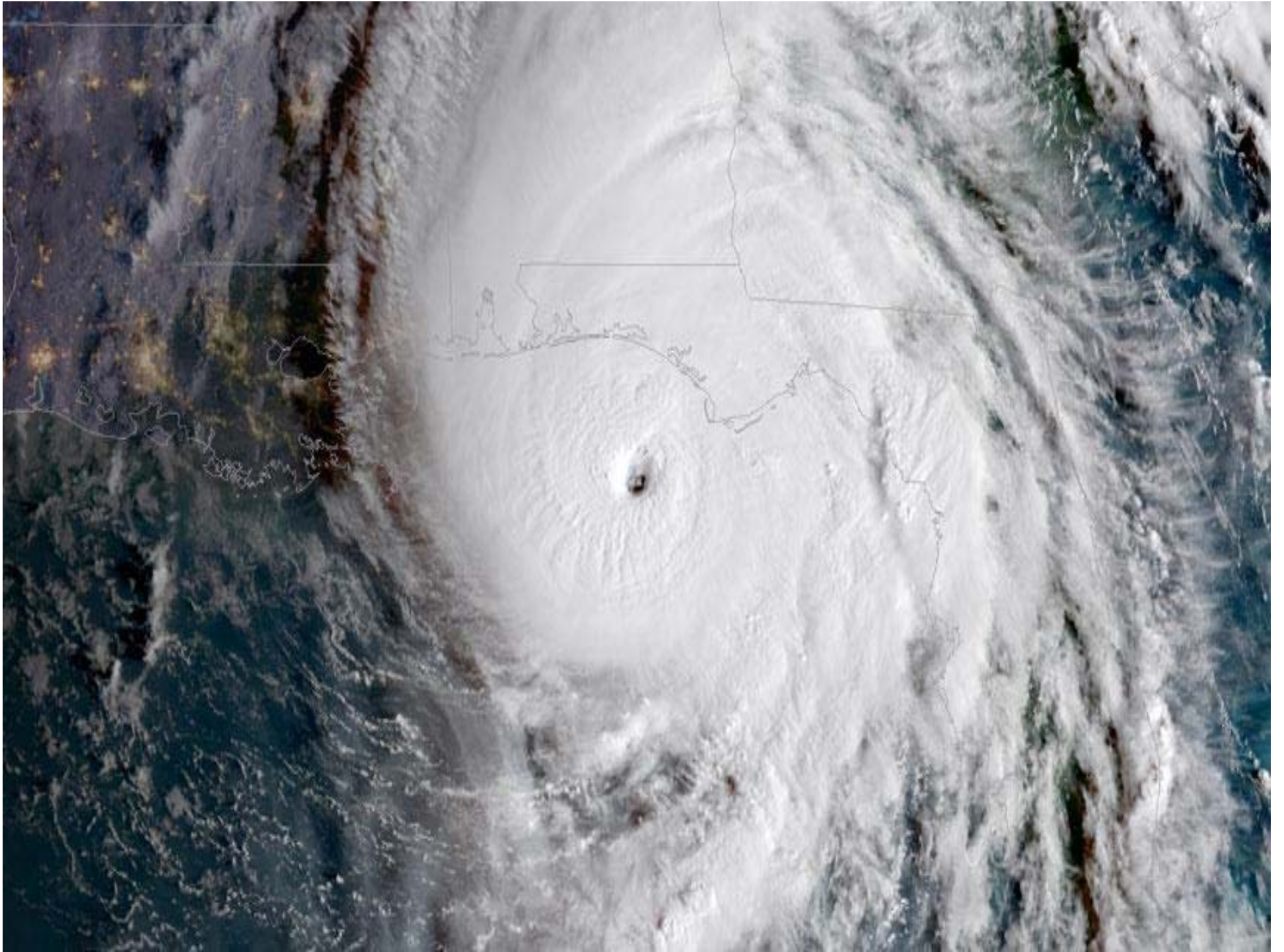


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Hurricane Michael ESF-10 Response







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ESF-10 Mission Assignments Issued by FEMA to USCG

Agency	MA#	MA Ceiling	State cost share%	Cost share amount	Start Date	End Date
USCG	4337DR-FL-USCG-03	\$15,000,000.00	25%	\$3,750,000.00	10/17/2018	12/31/2019
USCG	Amendment to USCG-03	\$3,600,000.00	25%	\$900,000.00	01/01/2019	01/31/2019
USCG	Amendment to USCG-03	\$3,600,000.00	25%	\$900,000.00	01/31/2019	02/16/2019

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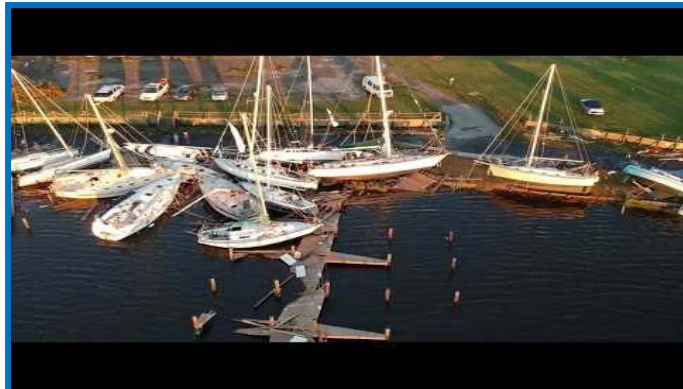


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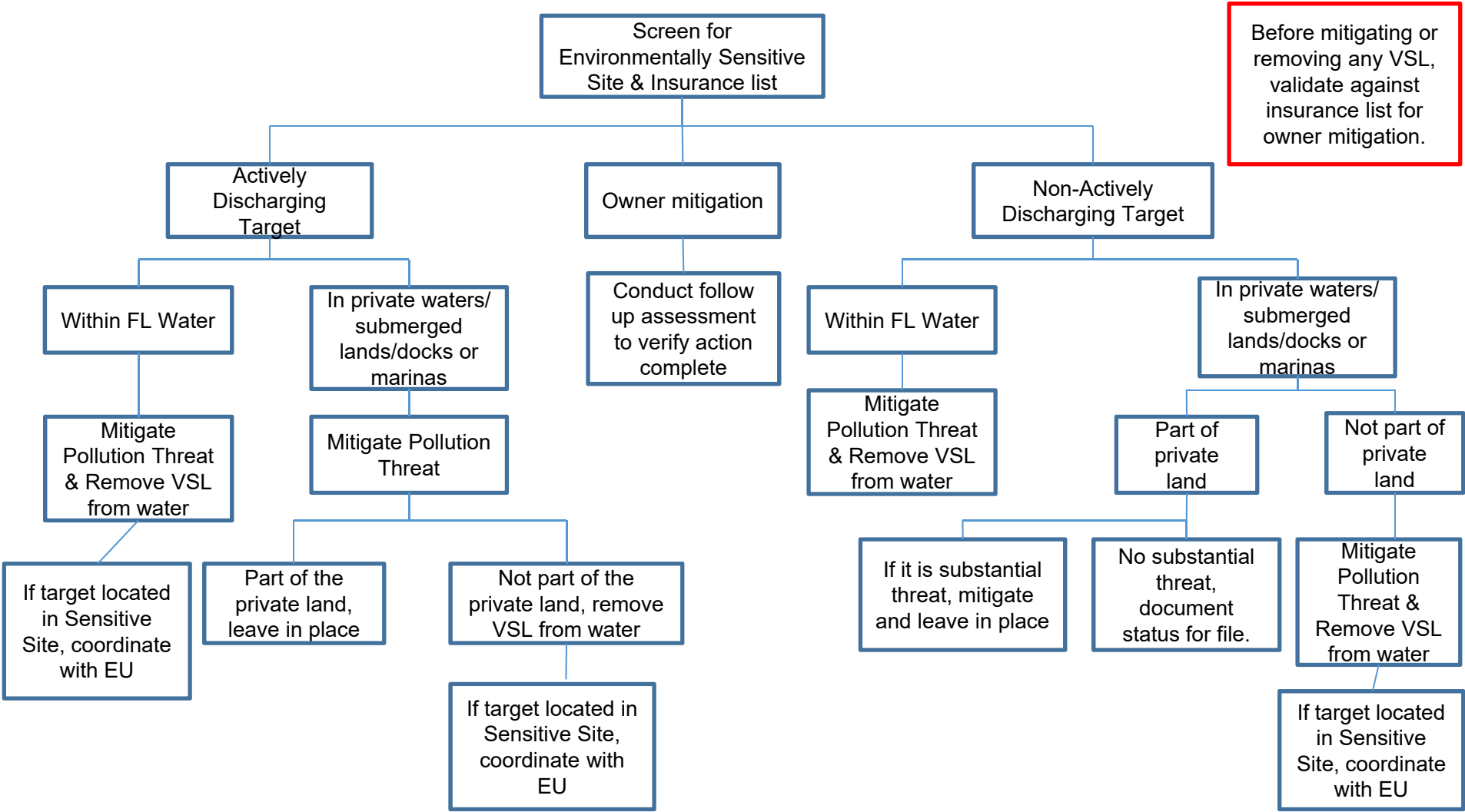
Unified Command

- A Unified Command was established between the FWC and U.S. Coast Guard on October 22, 2018. Demobilized January 26, 2019.
- Unified Command necessary to expedite the removal of displaced vessels in Bay, Gulf, Franklin and Wakulla counties
- Prioritizing the removal of vessels based on potential environmental impact with NOAA and SSCs.



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Vessel Removal Protocol





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Data Management

ERMA® Environmental Response Management Application
Gulf of Mexico

Information Help Recent Data Search Layers, Folders, and Bookmarks

Geograph Navigation Search

ESF-10 Michael
Period 16

Forms

- ICS 202 - Incident...
- ICS 213 - General Message
- ICS 213 RR - Resource Req
- ICS 214 - Unit Log
- ICS 214a - Chronology of E
- ICS 215 - Operational Plan
- ICS 215a - Environmental A
- ICS 221 - Demobilization C
- ICS 224 - Environmental U
- ICS 230 - Daily Meeting S
- ICS 231 - Meeting Summar
- ICS 232 - Resources at Risk
- ICS 233 - Incident Open Ac
- ICS 234 - Work Analysis M
- ICS 236-CG - Tentative Rel
- ICS 238-CG - Demob Track
- ICS 261-CG - Accountabl
- Critical Information Review
- Dispersant Checklist
- Meeting Organizer
- Waste Management
- Resource Recovery and Sto
- Executive Summary
- Planning P
- Print Menu
- Operations
- Logistics
- Finance
- Safety

Incident Action Plan Software™
Provided by The Response Group

Launch Dashboard

IAP
Incident Action Plan Software
INCIDENT MANAGEMENT

For all the latest product information, please visit us on the web at: www.ResponseGroupInc.com

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13939 Telge Road Cypress, TX 77429
24-hour: +1 (281) 880-5000
Toll Free: +1 (800) 651-3942
Fax: +1 (281) 880-5005

Indian Pass NW

Scale: 1:367 Zoom Level: 20 Location: 29.7005° -85.1911°

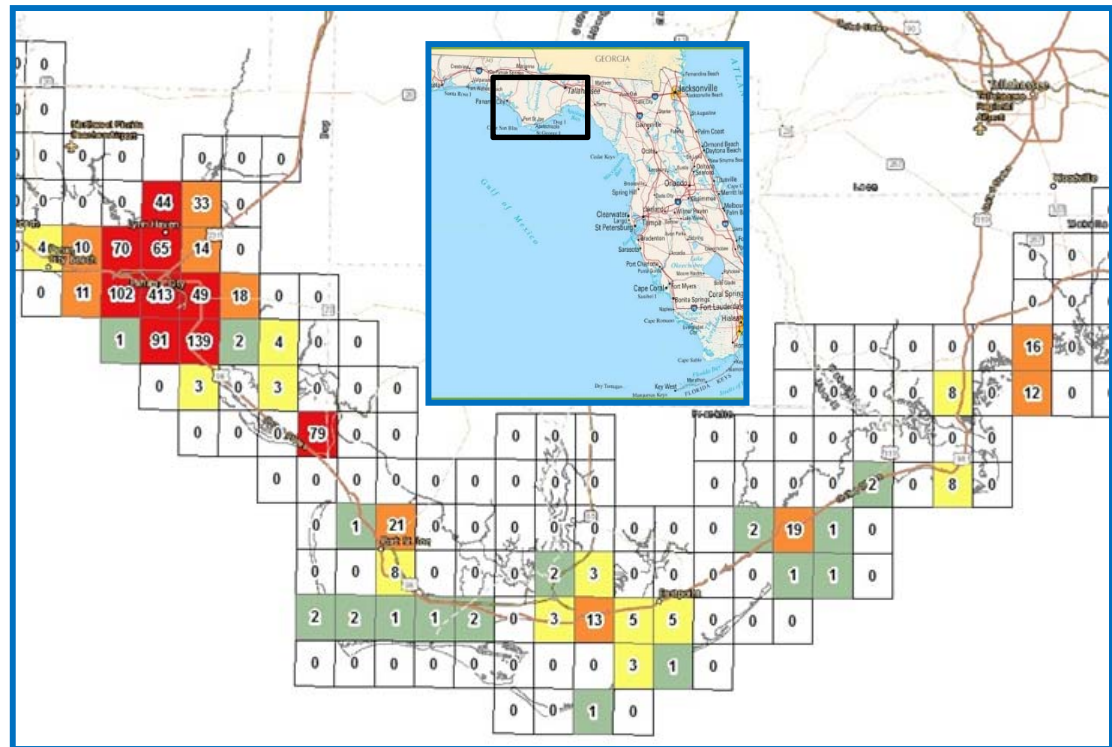


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Data Imagery and Analysis

- Initial NOAA imagery identified more than 1300 potential displaced vessels to be validated and assessed by Unified Command response teams
- Over 100 personnel from state and federal agencies are involved
- One Transition Point and one Storage location established in Bay County contracted by FL.





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Validated ESF-10 Targets - 544



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Vessel Recovery and Removal Priorities

- Actively discharging
- Vessels posing a HAZNAV
- Vessels posing a substantial threat to environment
- VSLs in FL State Waters
- Others



Nov 15th, 2018
Saint Andrews Bay



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Initial Assessment Phase



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Mitigation of Active Discharges



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Target Categorization Phase



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Date: _____

RE: Case Number _____

Dear _____:

NOTICE TO THE OWNER AND ALL PERSONS INTERESTED IN THE PROPERTY (VESSEL) DESCRIBED HEREIN. The following property (vessel), to wit:

_____ was unlawfully upon public property known as

_____ but it was moved and staged to the following location for navigational and safety reasons in compliance with Florida Statutes:

_____.
This vessel must be removed within 21 days; otherwise, it will be removed and disposed of pursuant to chapter 705, Florida Statutes.

You have been identified as the last known owner or responsible party for the above described vessel, which the undersigned law enforcement officer of the Fish and Wildlife Conservation Commission (FWC) has determined to be derelict as defined in section 823.11, Florida Statutes.

The facts upon which FWC has made the determination that the vessel described above is derelict are as follows:

Sections 376.15 and 823.11, Florida Statutes, make it unlawful for any person, firm, or corporation to store, leave, or abandon any derelict vessel on the public waters of the State.

Subsection 705.101(3), Florida Statutes, defines all derelict vessels as abandoned property. Sections 376.15, 705.103, and 823.11, Florida Statutes, authorize law enforcement to remove or cause to be removed any derelict vessel from the public waters of the State and to destroy it.

In accordance with the above legislative mandate, FWC hereby orders you as the last known owner or party responsible for this vessel to claim this vessel within 21 days or to provide proof that legal



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Operational Phase: Gross decon and vessel removal



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Operational Phase: Final Decon and Transition



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Operational Phase: Vessel Storage and Destruction



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WAIVER OF PROPERTY INTERESTS IN HURRICANE MICHAEL-IMPACTED VESSEL, PARTS THEROF, AND PROPERTY CONTAINED THEREIN; CONSENT TO DESTRUCTION OF AND DISPOSAL OF VESSEL, PARTS THEROF, AND PROPERTY CONTAINED THEREIN; AND RELEASE OF LIABILITY

FWC Incident Number: _____

Vessel Registration #: _____

1. In anticipation of the arrival of Hurricane Michael to Florida, the President of the United States declared a state of emergency for the State of Florida and the Florida Governor declared a state of emergency in the following counties, Escambia, Santa Rosa, Okaloosa, Walton, Holmes, Washington, Bay, Jackson, Calhoun, Gulf, Gadsden, Liberty, Franklin, Leon, Wakulla, Jefferson, Madison, Taylor, Hamilton, Suwannee, Lafayette, Dixie, Columbia, Gilchrist, Levy, Citrus, Baker, Union, Bradford, Alachua, Hernando, Pasco, Pinellas, Hillsborough, and Manatee counties. The Governor further issued Executive Order 18-277 to enable State and local governments to prepare for and respond to the impacts of Hurricane Michael.
2. Following Hurricane Michael’s passing near and over the State of Florida in October 2018, vessels were damaged and in many cases sunken in public waters of the State. State and Federal governmental entities undertook to remove these vessels to eliminate the danger they posed to public safety, the environment, navigation, and personal property. These vessels would otherwise have remained sunken and derelict pursuant to section 823.11, Florida Statutes, and the owner or insurer would have

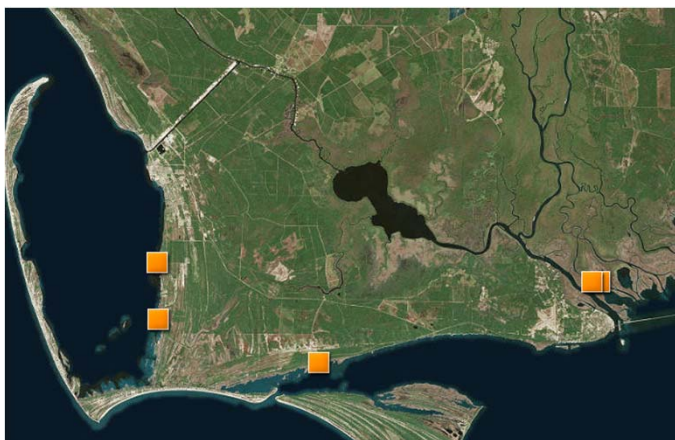
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Targets Inaccessible by Boat



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Environmental

Unit





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Special Projects M/V EL DORADO “Christmas Tree Boat”



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ESF-10 FINAL METRICS

Potential ESF-10 Vessel Targets	Final ESF-10 Vessel Targets	Actively Sheening Vessels Mitigated	ESF-10 Vessel Removals	ESF-10 Vessel Pollution Recovery Only	ESF-10 Targets Assessed – No Action Owner/ Insurance/ Other	ESF-10 Grids Closed	Solid Waste Recovered (Pounds)	Oily Water Recovered (Gallons)	Absorbent Boom Deployed (Feet)
1,370	544	29	175	77	292	48	39,320	54,997	2,320

Mission Assignment: \$18.6M (17OCT18-16FEB19)

Total Direct Costs: ~ \$16.5M

Major Resources	
2	Heavy Lift Crane Barge (300T & 225T)
3	FLEXI Float Crane Barge (1-80T, 2-60T)
1	300T Crane (Transition Site)
1	80T Crane (Staging Site)
3	Hydraulic Vessel Transport Trailers
3	Flat Deck Barges
1	Super Turbine Airboat
6	Dive Support Teams

Organization	#Personnel
FWC	52
USCG AD	112
USCG CIV	8
USCG RES	29
NOAA	9
GLOBAL	37
SUBCONTRACTORS	45
TOTAL	292

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Lessons Learned

- *FL ADV Program and Legal Framework*
- *Combined FWC/USCG field teams*
- *FWC IC in ICP*
- *Improved process*
- *Improved data management*
- *“Lean IMT”*
- *Contracting lodging/berthing*
- *Coordination with major salvors*
- *Shallow water/marsh resources*
- *Environmental Unit*

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Questions???



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So You Think You Could Have an ESF-10 Response

- **Of about 1,000 vessels....**
 - **50% will be removed via vessel owners**
 - **25% will be removed by insured facilities (marinas)**
 - **Still leaves at least 250 sunken, submerged, displaced, abandoned and derelict vessels...**

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What You Need to Think about

- **Federal Response (NCP)**
 - **Pre-designated On-Scene Coordinator/Lead Agency for oil spills/hazardous substances**
 - **USCG Vessel Removal must be approved by COMDT**
 - **Funding – RP/OSLTF/CERCLA**
- **Federal to State (NRF)**
 - **Resource Request Form and Mission Assignment**
 - **Removal of oi/HAZMAT/vessels under Lead Agency IAQ law/reg/policy (Abandoned and Derelict Vessels)**
 - **Stafford Act**
- **Federal to Federal**
 - **Interagency agreement or Mission Assignment**
 - **Stafford Act cannot fund response on Federal Lands**

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What You Need to Think About....

- **Abandoned and Derelict Vessel Legal Framework**
 - Do you have one? What are the limitations?
 - You may have has 10-20 of these in your port before the disaster..... You may have THOUSANDS following the disaster.....

- **Additional Authorities to Potentially use**
 - Vessel registration requirements
 - Environmental Protection
 - State Land Regulations



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What You Need to Think About

- **Cost Share**
 - 0% versus 10% versus 25% MA cost share
- **What are your (the State's) priorities?**
 - Remove all vessels?
 - Only remove pollution threats?
 - Remove vessels in Environmentally Sensitive Areas?
 - Remove uninsured vessels?
 - What are the future impacts of not removing all vessels?



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Other issues

- **Vessels may be on Federal or Tribal lands**
- **Vessels on private property**
- **Vessels with no clear owner**
- **Vessels/Owners with illicit histories**
- **Vessels that were derelict before the storm and impacted after**
- **Designated Staging Areas of Transition Points**
- **“Unicorns”**
 - **Vessels in area with explosive ordnance...also on CERCLA sites.....it happened....**

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So What Can You Do Now?

- Review your ADV authorities and processes
- Develop an ESF-10 Vessel Mitigation and Removal Protocol/Plan Template
 - Outline Authorities
 - Vessel Removal Priorities
 - Data Collection/Management Process
 - Owner Notification Process
 - Vessel Pollution Response and/or Removal Process
 - Identify Staging Areas or Transition Points
- Conduct a tabletop or drill with your partners
- Draft or update ADV Guidance in your ACP

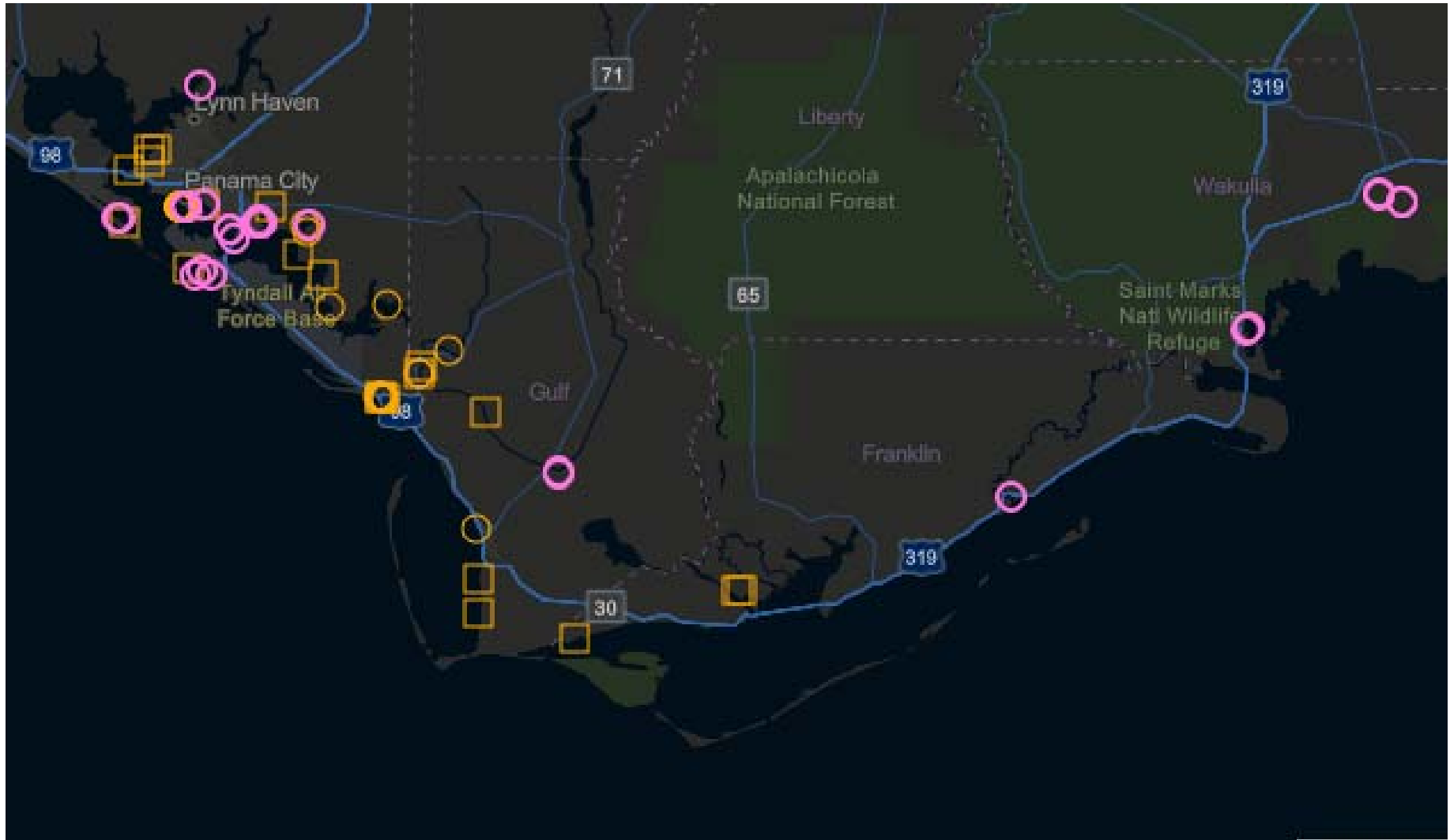
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ESF-10 Targets Requiring Action - 78



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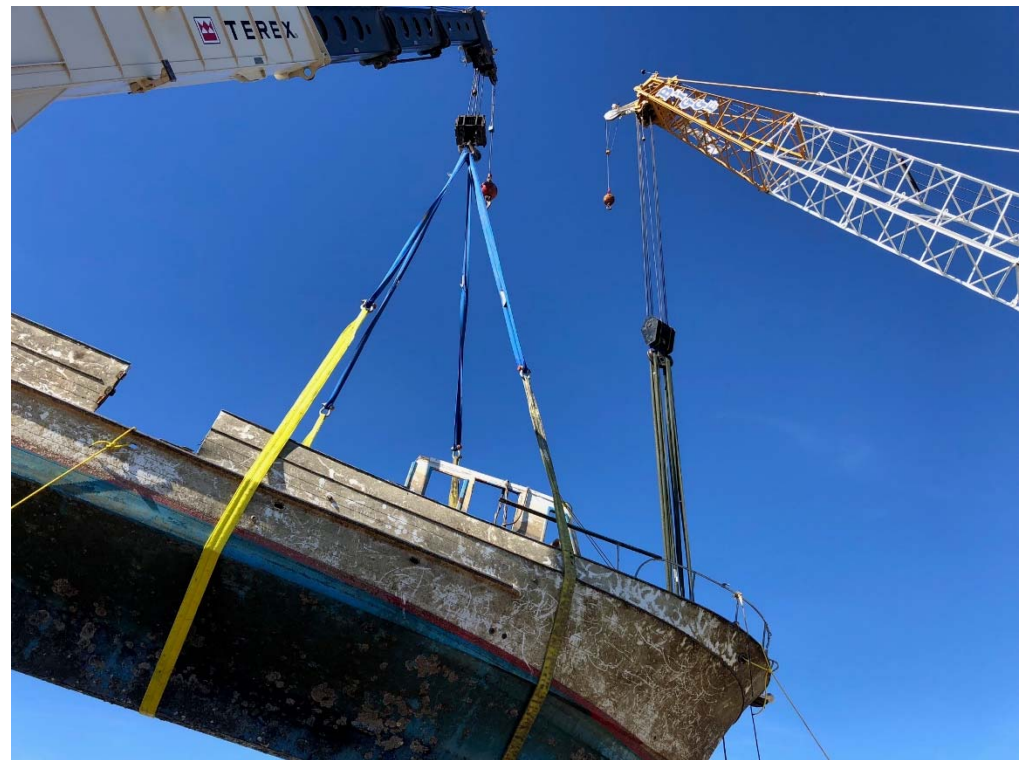
Resources

Average Overhead Resources

- USCG: 39
- NOAA: 03
- State: 11
- Contractors: 76

Tactical Resources

- 3 Flexi Crane Barges
- 3 Flat Deck Barges
- MER
- 300T Crane Barge
- Trans Site Crane (300T)
- Staging Crane (80T)
- 3 Hydraulic Trailers



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