



# HURRICANE FLORENCE

## ESF-10 RECAP



CAPT Bion Stewart  
Sector North Carolina



# Emergency Support Function #10



- Mission Assignment: \$10M
- Key Objectives: Assess Coastline and Remove Oil/HAZMAT from Targets w/ Threat to Environment
- Unified Command: USCG, EPA, NC Wildlife Resources Commission, & NC Department of Environmental Quality



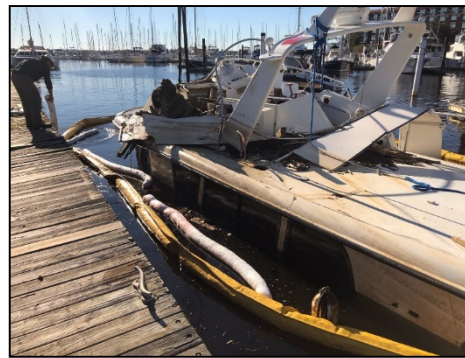


# FEMA Mission Assignment

## Statement of Work:

- Removal, mitigation & disposal oversight of: actual/potential oil discharges & releases of HAZMAT, pollutants & contaminants
- Eliminate/lessen immediate threats to 1) lives, public health, or safety or 2) additional damage to property emanating from actual or potential releases/discharges from facilities, vehicles, intermodal containers & vessels

Best Management Practices: NOAA & stakeholder discussions for vessels in environmentally sensitive areas





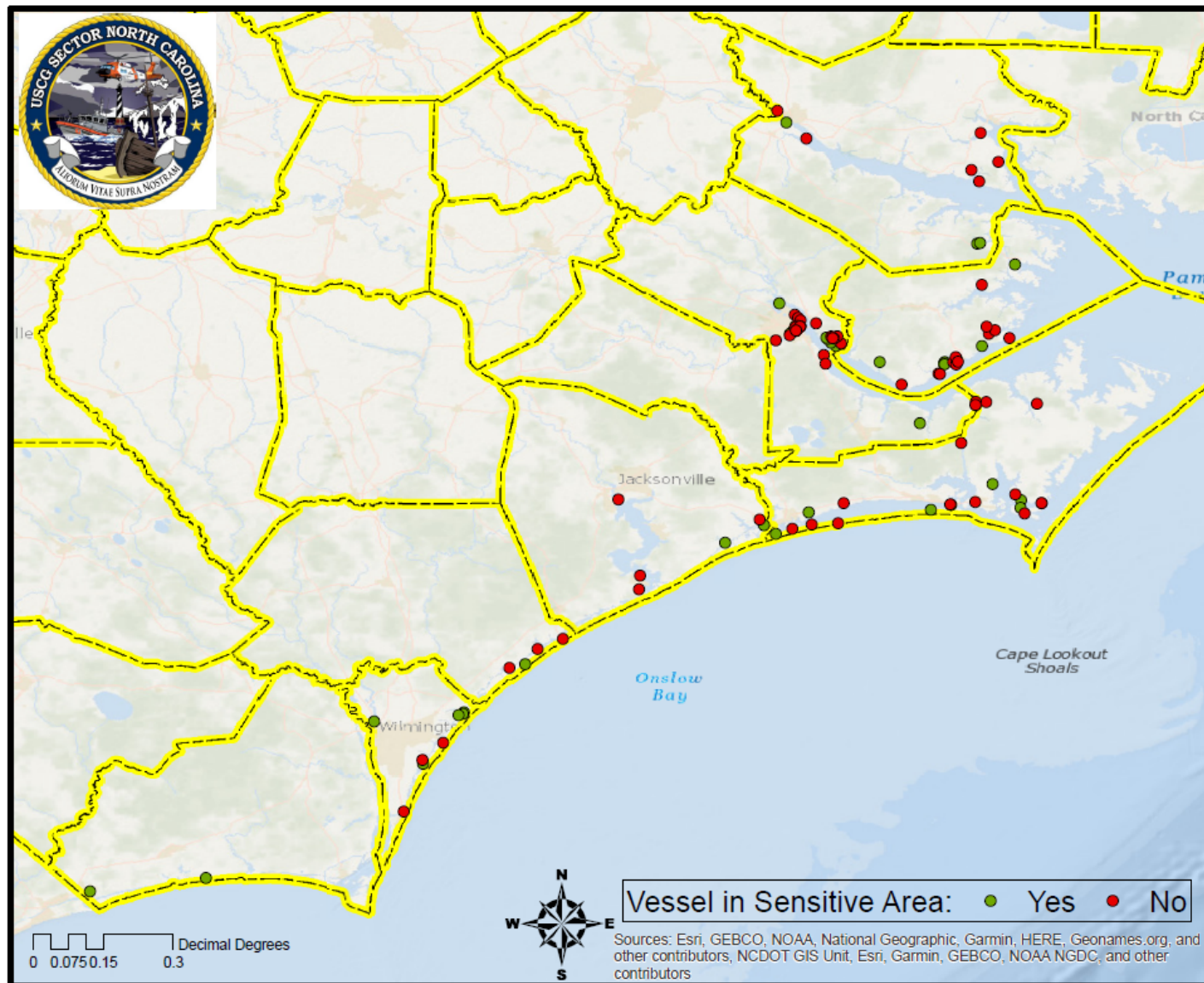
# Results

- Final Cost: \$8.9M
- Completion: 14 Nov 2018 (60 days)
- ESF-10 Mitigation: 148 Vessels
- Owner Removed: 118 Vessels
- Remain In Place: 120 Vessels
- Total Assessed: 362 Vessels





# Vessels Left In Place





## Close-Out Binder: Example Vessel

Target Sticker #	County	Latitude	Longitude	Target Status	Sensitive Site
TFN-106	Beaufort	35.53770	-77.06758	Recovery Complete - Leave in Place	Yes - Standard BMPs Apply
Vessel Name	Vessel Type	Vessel Length	Vessel Registration #	Vessel Owner	Vessel Owner Contact
The Classic	Rec VSL	26	NC4882DE	Not Determined	Not Determined



**Target Comments:** 276202\_003. 26-ft Rec vessel aground. 10OCT: Vessel reassessed. 13OCT: Reassessed vessel still in location. No sheen. On shore but no land access, directly across from boat ramp. 27OCT: Revaluation team went on scene to vessel. Contractors went onboard and did not observe any hazardous substances. No further ESF-10 action. Removed 75 gallons of fuel, 3 batteries, and 4 fire extinguishers. Left in location deemed not a hazard to navigation by WRC. BMP's were followed for the duration of the operation.



# Lessons Learned

- Excellent Cooperation/Coordination with all Stakeholders
- Operations Completed Ahead of Schedule & Under Budget
- Timely Remediation from Private Property
- Derelict Vessels & Future of Vessels Left in Place – State Engagement
- Audio/Visual Challenges at Incident Command Post
- Unified Command: Clearer Roles/Responsibilities
- Consider FEMA Equipment (e.g., Poster Printers, Life Jackets)
- Use Experts – FOSCR Authority Transferred to Strike Team CO/XO





# Best Practices: Survey123 and ERMA

R4 Florence ESF10 Containers and Vessels

NRC Report (Y/N) \*  
 Yes  No

Division ID  
A-3

Zone #  
e.g. 1 thur 7  
3

Team ID \*  
Team 7

Team Agency/Organization \*  
USCG

Team Member Names \*

Target Sticker (Y/N)  
 Yes  No

Target Identified Date \*  
September 25, 2018

R4 Florence ESF10 Containers and Vessels

Target New or Revisited \*  
 New  Revisited

Target Location Place Name  
225 Grandview Dr

Target Location Place Type  
(Only select when applicable)  
 Canal  Marina

Target Location \*  
34.518°N 77.372°W

Target Location City  
Sneads Ferry

Target Location State \*  
 North Carolina  South Carolina

Target Location County \*  
Onslow







# Path Forward

- Leverage Area Committee
  - Derelict Vessel Subcommittee
  - Geographic Response Strategy Subcommittee
- Update Area Contingency Plan
  - Add ESF-10 & Severe Weather Sections
  - Outline Roles/Responsibilities for Unified Command
  - Validate GRSs Sector-wide by Oct 19

