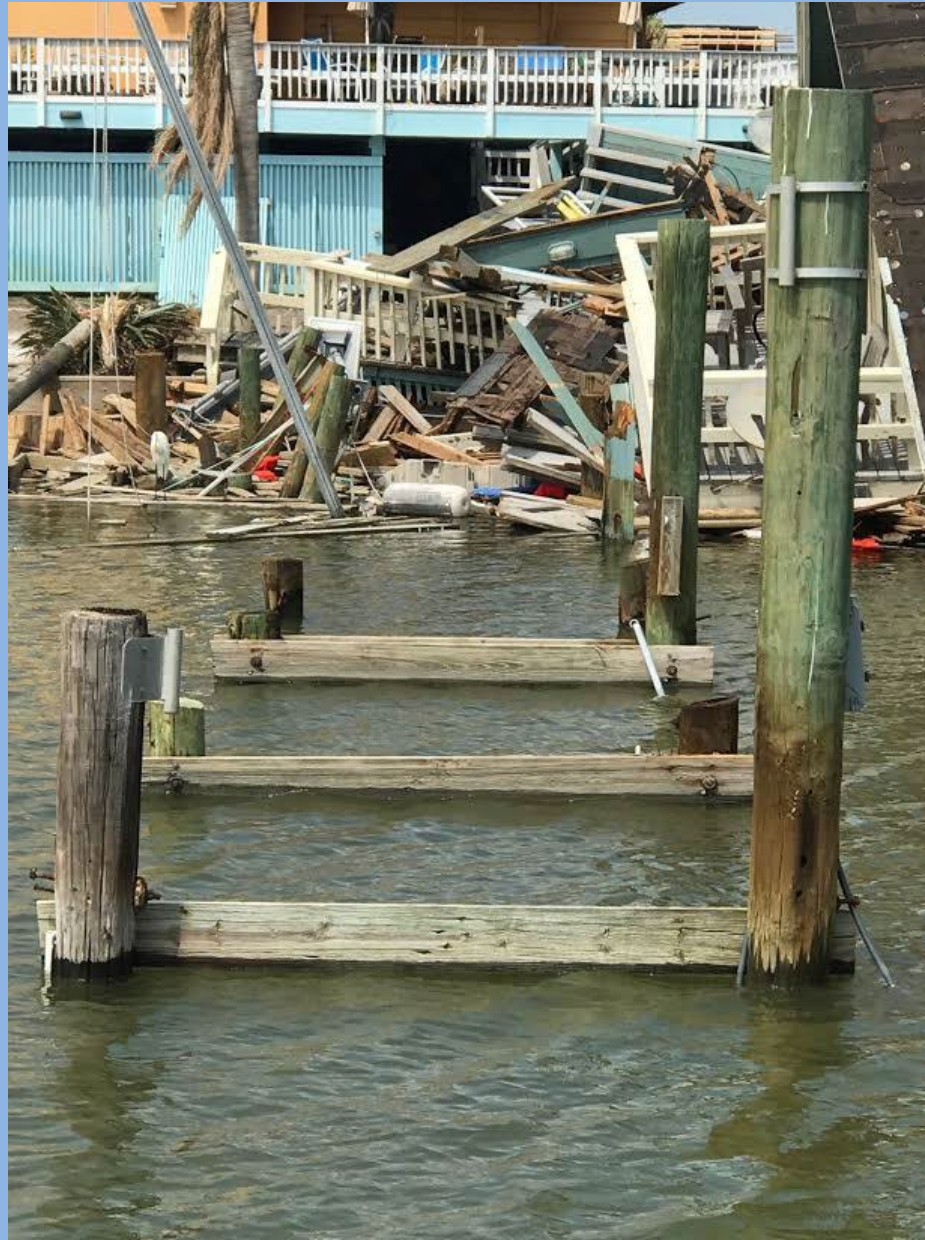




ESF-10 Response  
RRT 1&2 Meeting Presentation  
CDR Kelly Thorkilson  
Ms. Angie Vallier

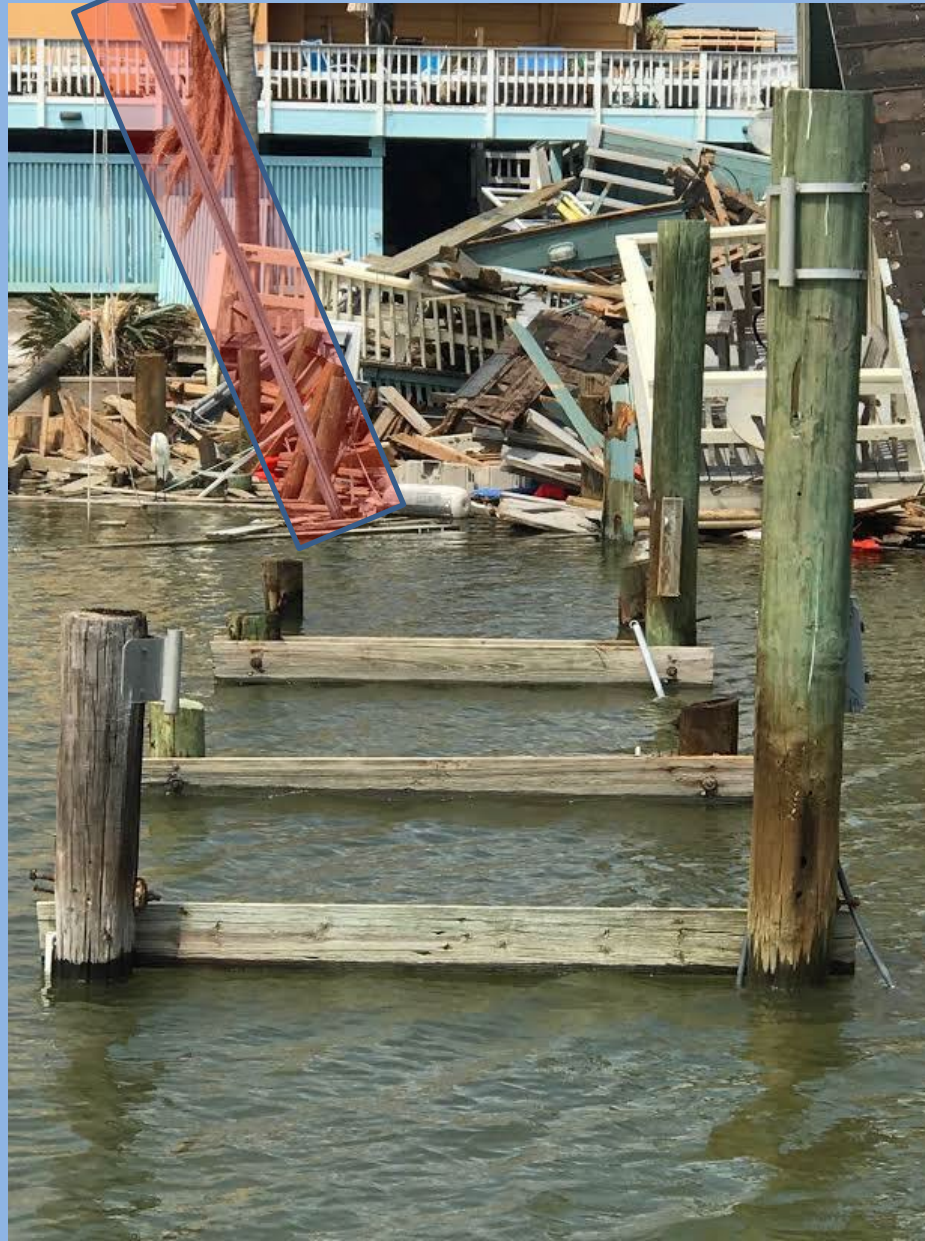
# Where is the ESF 10 Target?



# Where is the ESF 10 Target?

There is a boat under the house. It contains fuel and a battery.

Do you see it?



# 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...
- 2017 Hurricane Season Metrics
  - Managed \$156,000,000 ceiling
  - Assessed over 4,000 vessels
  - Removed 1,566 vessels from environment to transition point for disposal as debris
  - Disposed 50,000 gals oil & 1,000 batteries

# 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 oil/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

“In support of a State/Tribal/Territorial (STT) requests, as directed by, and in coordination with FEMA, USCG will provide oil and hazardous SMEs, and/or equipment and resources to support STT disaster operations. Disaster response operations may include the following: providing specialized expertise, conducting assessment of oil/hazardous substances impact via air, land, or water, contractor oversight evaluating hazards, and/or response, removal, or disposal oversight of: actual and potential oil discharges, and releases of HAZMAT, pollutants, and contaminants....Field response activities MAY include **placing sunken, derelict, or displaced vessels in predetermined staging area(s)**. Final disposition shall be coordinated with STT and/or agency mission assigned for debris removal under ESF-3.

# 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

# 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?



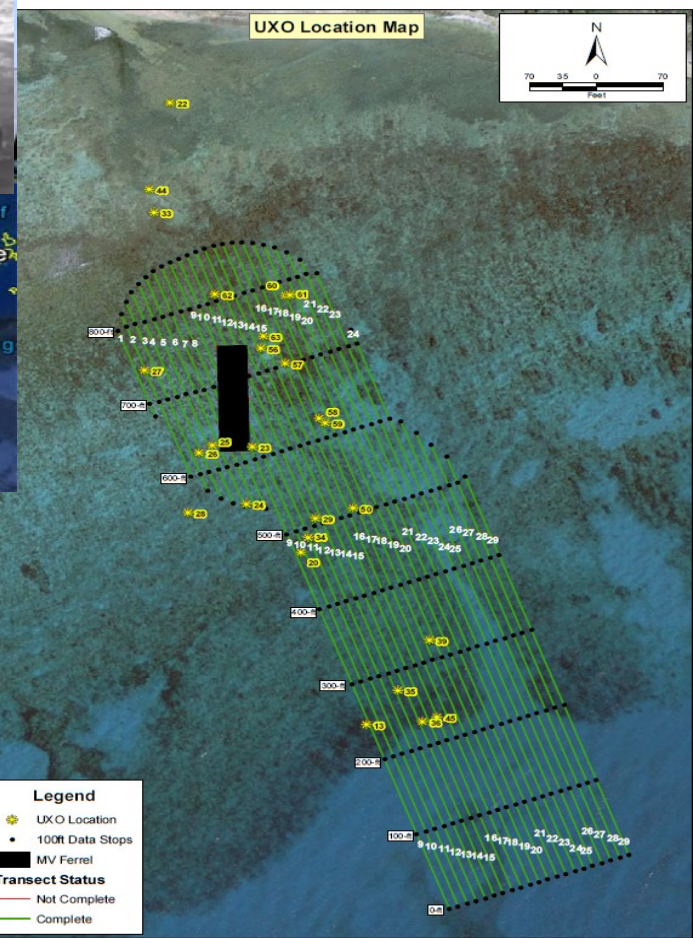
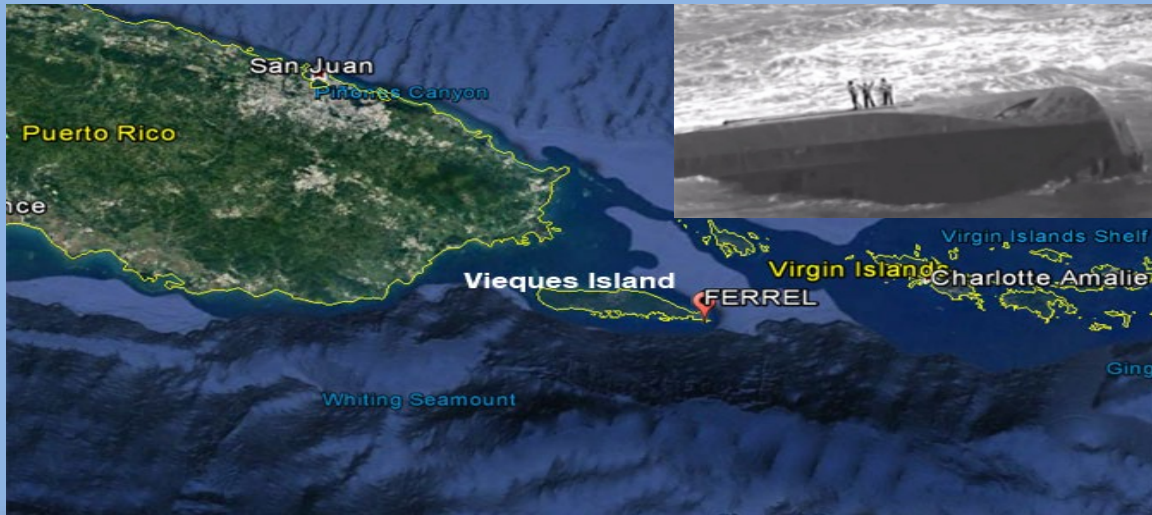


# Other issues

- 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....



# Special Project: M/V FERREL

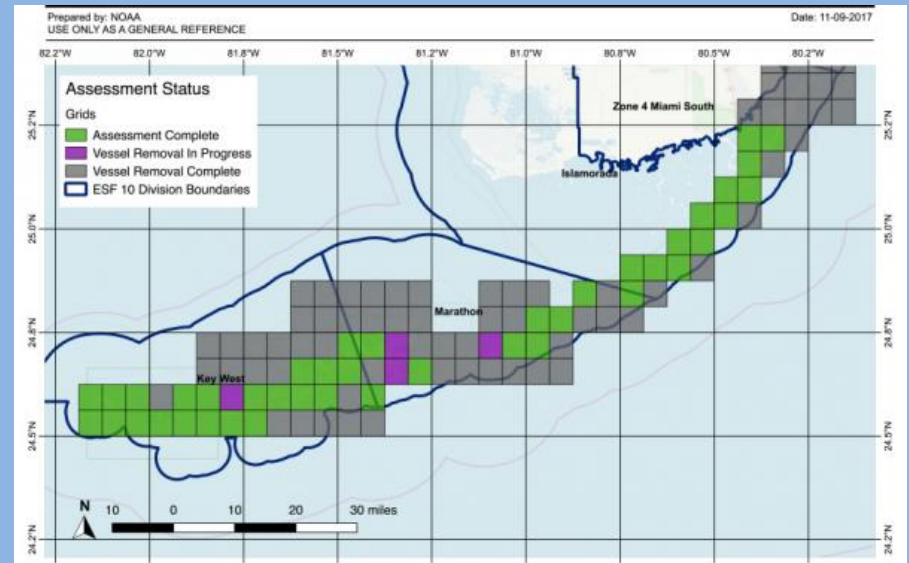


# So What Can You Do Now?

- **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

# Vessel Target Assessment

- NOAA Imagery Verification
- EPA Response Survey 123
- ERMA Common Operating Picture
- Vessel Targeting Manager
- Environmental Unit
  - Best Management Practices
  - Section 7 Consultation
  - State Historical Preservation Office



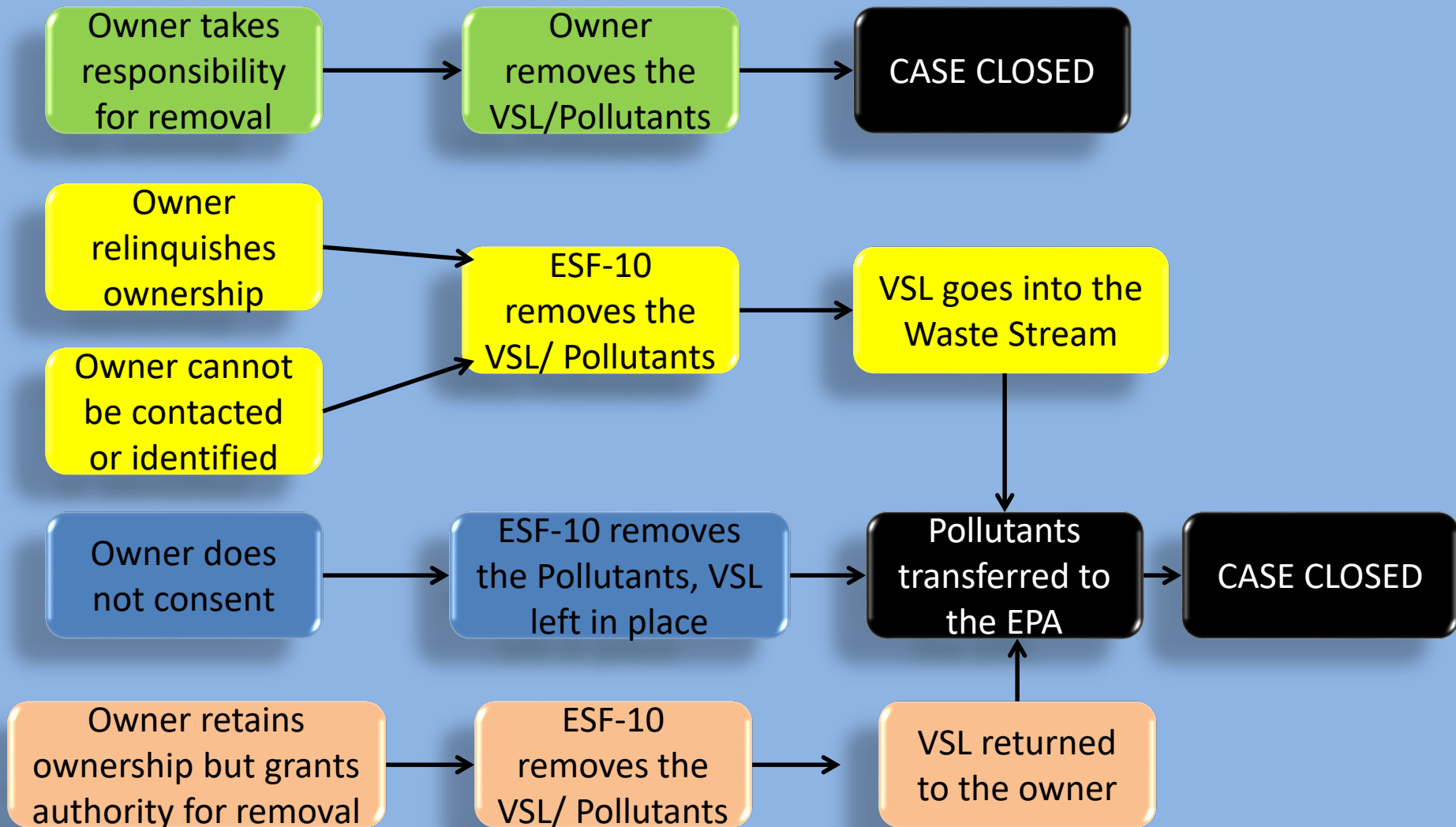
# Example Priorities

## 4. Vessel Removal Prioritization.

| Priority | Description   |
|----------|---|
| 1        | Vessels actively discharging oil or hazardous substances into the environment. The FWC and USCG will respond in accordance with Federal and State regulations.  |
| 2        | Sunken or derelict vessels that are on State-Owned submerged lands and are involved in threatened/potential discharges of oil or hazardous substances into the environment.   |
| 3        | Sunken or derelict vessels located in canals or on private lands or docks located in coastal waters of the State of Florida that <i>cannot</i> be removed by vessel owners, responsible parties, homeowner's associations, or local city, county, or other governmental entities. |

\*A vessel may be classified as a higher priority based upon impacts to highly sensitive ecosystems.

# Vessel Removal Protocol



# Vessel Removal Actions

## What NOT to do!



# Sample Documents

- Incident Specific FOSCR Memo Designation
- Vessel Mitigation and Removal Plans
- Decision Memos
- Vessel Targeting Packages
- Salvage Plan Templates
- ENVL Job Aids
- DD1149s
- Liability and Release Waivers
- Notification Stickers
- ICP Plans



# Hurricane Florence ESF-10 (NC)

As of 28 OCT 2018 @1500

## Situation:

### *What we know:*

- Mitigation complete on 134 ESF-10 vessels
- 113 Vessels have been verified removed by owners
- 14 Grids remain requiring ESF-10 action
- 3 Grids cleared 27OCT18

### *Concerns:*

- NSTR

## Resources:

### Overhead

- Federal: 56
- State: 03
- Contractor: 41

### Equipment

Command & Control Trailer

## CCIR/Unmet Needs:

- NSTR

### Mission Assignment (MA): (Remaining)

- \$4.09M (15 Sep - 15 Dec 18)

### Total Remaining Targets:

- ESF-10 targets: 22 vessels

## Objectives:

- Assess NC coastline for potential ESF-10 targets.
- Remove oil and hazmat from identified targets that pose a threat to the environment.

## Key Future Actions:

- Status Checks/Target Prioritization in Carteret, Beaufort, Craven and Pamlico Counties planned.
- Pollution mitigation on identified targets will continue in both branches.



**Left:** ESF-10 target pending mitigation in Rachel Carson Reserve.

# ESF 10 - Michael (FL)

## Situation:

As of 29 OCT 2018 @1200

## ESF Resources:

### ESF-10 operations

- Aerial Imagery Targets: 1342 total vessels  
1120 vessels in water/wetlands/or within 50' of shore  
222 vessels previously high & dry (added to assessment list)
- Targets Assessed in field: 122
- Aerial Targets Assessed: 114  
49 Require ESF-10 action  
65 No further action required
- Non-Aerial Imagery Targets Discovered: 08  
04 Require ESF-10 action  
04 No further action required
- Targets with Discharging Activity:  
01 total / 01 contained
- Boom deployed: 2600 feet

### Overhead

- USCG: 39 (24 active; 12 Reserve; 3 Civilian)
  - State: 11
  - NOAA: 3
  - Contractors: 6
- 
- MA Expended: \$1,052,290.34
  - MA Remaining: \$13,947,709.66
  - MA Burn Rate: \$35,076.34 per day

### Mission Assignment (MA):

**\$15,000,000 Ends 12/31/18**

### Total Remaining Targets:

**Aerial Imagery Analysis Targets: 1342  
(Validation via On-Site Assessments Pends)**

## Key Future Actions:

- Mitigation of active discharges continues.
- Engage with Municipal Marinas and DoD Facilities.
- Continue to engage in consultations with Trustees.
- Field teams of joint CG & FWC continue detailed assessment utilizing Survey 1-2-3 App.
- Mitigation & removal Ops will begin a few days after detailed surveys begin.
- Detailed assessment will reduce amount of targets that will require ESF-10 action.
- Aerial target filter removed due to mapping inaccuracies. 222 vessels previously eliminated from assessment pool will be assessed by field teams.

## Objectives:

- M - Ensure the safety and wellness of responders.
- M/O - Identify and minimize the impact to environmentally sensitive areas, threatened species, and identified historical/cultural areas.
- M - Establish and maintain a single common operating picture (COP) of identified targets.
- O - Determine actual and potential pollution discharges/releases, prioritize responses and initiate cleanup efforts for active discharges.  
M - Maintain clear and concise messaging up to Sector Mobile, the 8th CG District and to State/local partners.
- M - Inform the public, stakeholders, and media of response activities.
- O - Implement the vessel pollution mitigation plan.
- M/O - Plan and execute an efficient and effective joint response operation in accordance with best management practices.
- M - Ensure proficiency with data management applications and processes.



Questions?

# Using USCG deployable teams in YOUR Hurricane Response

## Operations & Planning

- -72 hrs request IMAT, Strike Team & PIAT
- -48-24 hrs develop post-storm IAP & deploy EPLO/AREP
- -36-12 hrs begin working w/states on Resource Request Forms (RRF) for ESF 9 & 10
- -12 to +24 hrs work with FEMA to secure ESF 9 & 10 MAs
- +12-48 hrs conduct storm post-storm assessment & response
- +24-96 hrs designate an FOSC & IC/FOSCR, if necessary

## Logistics & Finance

- -96 hours develop & publish resource request process
- -72 hrs pre-deploy response resources using OSLTF or 30 funds
- -72 hrs Identify hotels that are designed to Cat 4 or 5 hurricane stds
- -72 hrs develop plan for post-storm comms
- -72 hrs consider ordering comms capability
- -36 hrs develop transportation plan
- Do you need camps? Mobile Support Unit/ PSU? Security?

# FOSC - Hurricane

## National Contingency Plan

- **Federal Response**
- USCG pre-designated “On Scene Coordinator” for oil spills & a “Lead Agency” for hazardous substance releases in Coastal Zone
- Applies to all private, state, & federal lands & waters except DOD and DOE facilities
- Allows for removal of oil, hazardous materials, & vessels
- Vessel Removal: USCG vessel removal must be approved by COMDT
- Funding: RP/OSLTF/CERCLA
  - Can fund pre-storm deployment
- Response Organization: IC/UC

## National Response Framework

- Emergency Support Function 10 (ESF 10) – Disaster related oil & hazardous material response
- References NCP structures
- **Federal-State** – state asks for support using Resource Request Form (RRF). FEMA issues Mission Assignment (MA)
- Allows removal of oil, hazardous materials, & vessels under state law/reg/policy
- Funding: Stafford Act; state cost share (0% to 25%)
  - cannot fund federal lands
- Response Organization: IC/UC

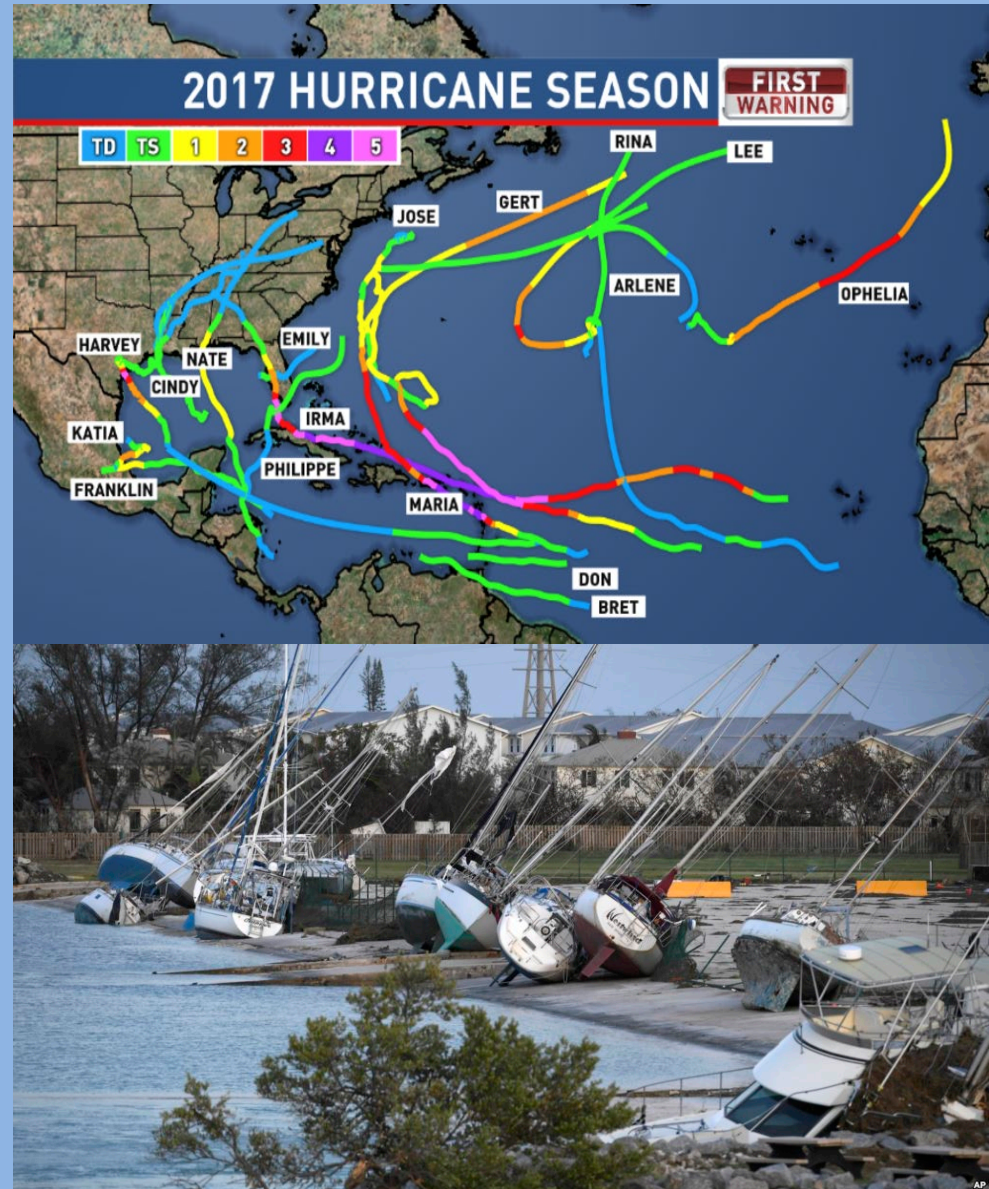
# FOSC - Hurricane

## National Response Framework (cont)

- **Federal-Federal** – resources requested thru interagency agreement. FEMA may issue Mission Assignment (MA).
- Allows for removal of oil, hazardous materials, & vessels under Lead Agency law/reg/policy.
- Funding: Lead Agency or Supporting Agency
  - Stafford Act cannot fund response on federal lands.
  - Anti-deficiency Act
- Response Organization: IC/UC

# Challenge

- 2017 hurricane season unprecedented
- After Hurricane Harvey, Irma & Maria maxed USCG response capability & capacity
- Harvey impacted Texas
- Irma impacted USVI & Florida
- Maria impacted USVI & Puerto Rico
  - USVI Irma responders
- Widespread evacuations
- Widespread power outages & infrastructure impacts
- Island responses to FL, USVI, PR
  - Complex logistics problem
- Infrastructure impacts
- Mission degraded
- Thousands of stranded vessels & containers



# Situation

- Hurricane season – unprecedented structures
  - USCG Mission Assignments
- USCG Deployed EPLOs & FEMA Liaisons
- D8 & D7 Area Command established priorities for 9 incident Commands.
  - Pre-storm deployment NSF Teams
  - Pre-storm planning (COTP/FOSC)
  - Evacuation
- Post-storm rapid assessment & response
  - Damage Assessment/Repair (FOSC/COTP/Sector Cmdr)
  - Reconstitution
  - Competing demands
  - Logistics
  - Long term response; 6-8 months
  - Limited organic resources





# Situation

- D8 Chief of Response designated FOSC for Texas
- D7 designated Chief of Response FOSC for FL
- Sector San Juan retained FOSC for PR/USVI.
- Each designated Incident Commanders/Incident Specific FOSCRs for ESF-10
  - TX, FL, PR, USVI
  - Unified Commands w/ EPA iso State/Territory
- Area Commands supported 13 Incident Commands



# ESF 10 Solution

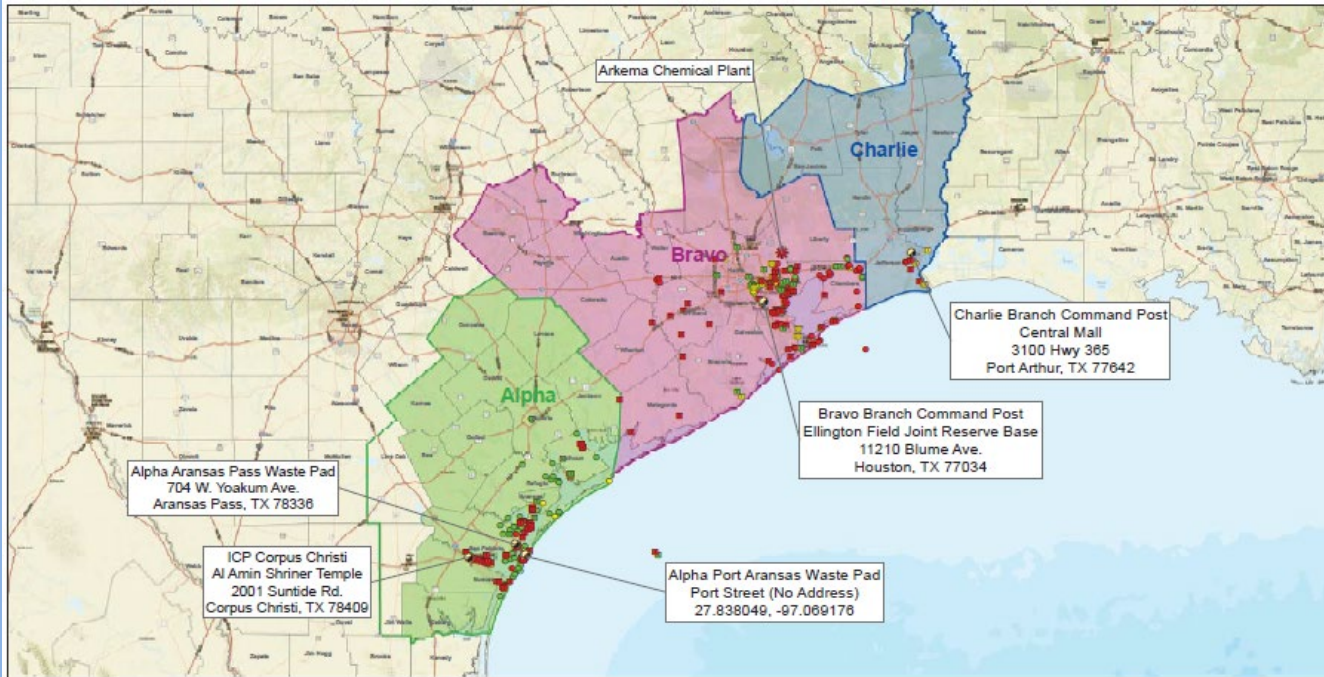
- ESF 10 Texas implemented RRT VI Natural Disaster Operations workgroup (NDOW) concepts and systems for oil, HAZMAT and Vessel Removal
- IMPAs & ICs at ESF 10 TX, FL, PR, USVI assisted State/Territory with draft Resource Request Forms (RRFs).
- All 3 Unified Commands adapted lessons learned from Hurricane Harvey
  - RRT VI NDOW
  - EPA, Response Manager, Start Contractors
  - SSC
  - Resource Trustees
  - Vessel removal
  - Sticker program
- Assisted FL, PR, USVI vessel abandonment/ Destruction laws, procedures & outreach
  - PR & USVI created statutes



# ESF 10 Solution

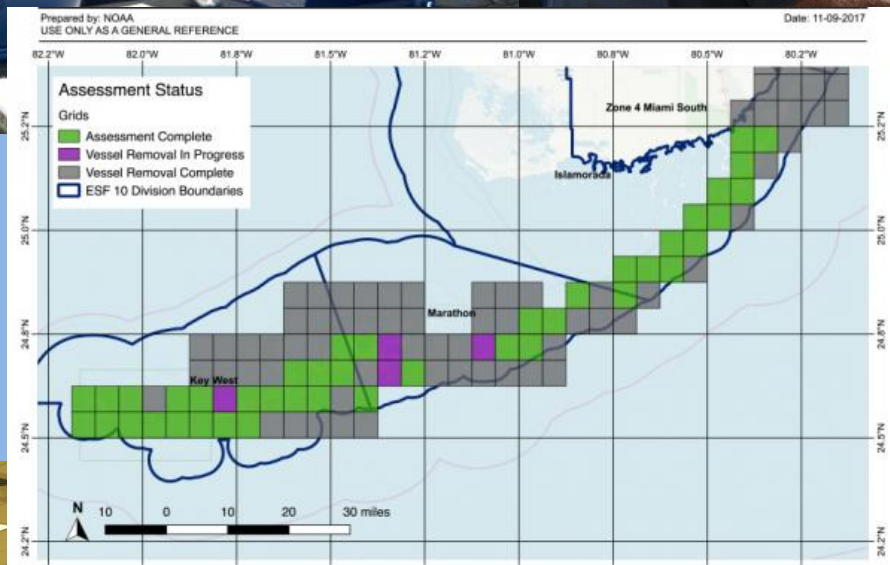
- Assessed/stickered all vessels
  - Advertised at least 30 days
  - In PR language/trust was a challenge
- American Salvage Association companies removed oil/hazmat, removed vessels to transition site for disposal as debris
  - Employed over 20 lift barges
  - FL & TX used state employees for disposal
  - PR & USVI relied on ESF 3 USACE
- Special Consideration - floated & applied temp repairs to vessels that owners wanted back
  - Saved transportation & disposal costs
- NOAA, USFWS assisted with development of tactics, environmental consultation, cultural/historical consultations & moving endangered corals





|   |  |  |  |   |
|---|--|--|--|---|
| <b>Legend</b><br><ul style="list-style-type: none"> <li>Arkema Chemical Plant</li> <li>Incident Command Post (ICP) / Staging Area</li> <li><b>Facility/Spill Assessment</b> <ul style="list-style-type: none"> <li>Open</li> <li>Open - Cleanup in Progress</li> <li>Closed</li> </ul> </li> <li><b>Haz/Eval Items</b> <ul style="list-style-type: none"> <li>Open</li> <li>Open - Access Denied/ Leave in Place/Refer to Other Agency</li> <li>Closed</li> </ul> </li> </ul> |  | <b>Federally Declared Counties</b><br><ul style="list-style-type: none"> <li>in Alpha</li> <li>in Bravo</li> <li>in Charlie</li> </ul> | <b>USA EPA REGION 6</b><br><b>SITREP Map</b><br><b>Alpha, Bravo, Charlie</b><br>Hurricane Harvey Response<br><br>For Official Use Only | <br>EPA GIS<br>Printed: 6:52:50 PM 9/6/2017 |
|---|--|--|--|---|





# Results

- USCG MAs increased operational flexibility & partnership
- IMPAs instrumental to success
- NSF Deputy & Strike Team COs served IC/Incident Specific FOSCR 6 months
- Responders from all over country
- NSF contributed 250 personnel to Harvey, Irma & Maria ESF-10 response efforts: NSFCC, PIAT, IMAT, AST, GST, PST; about 15,000 days
- Managed \$156,000,000 ceiling
- Assessed over 4,000 vessels
- Removed 1,566 vessels from environment to transition point for disposal as debris
- Disposed 50,000 gals oil & 1,000 batteries
- Assisted PR & USVI development of abandoned vessel program
- Strengthened trust & relationships

