



Marine Debris Response Planning

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on behalf of NOAA's Marine Debris Program

RRT IV Winter 2016 Meeting
March 1, 2016



Overview

1. Background

- NOAA's Marine Debris Division
- Regional Response Planning Project

2. Project Status

- State Overview
- Plan Development Process

3. Response Plan Contents

4. Next Steps



Background

NOAA's Marine Debris Division &
Regional Response Planning Project



NOAA Marine Debris Program History

NOAA/NOS/ORR/MARINE DEBRIS DIVISION



Established in 2006

December 2012: Marine Debris Act

Vision: the global ocean and its coasts free from the impacts of marine debris



Program Staff



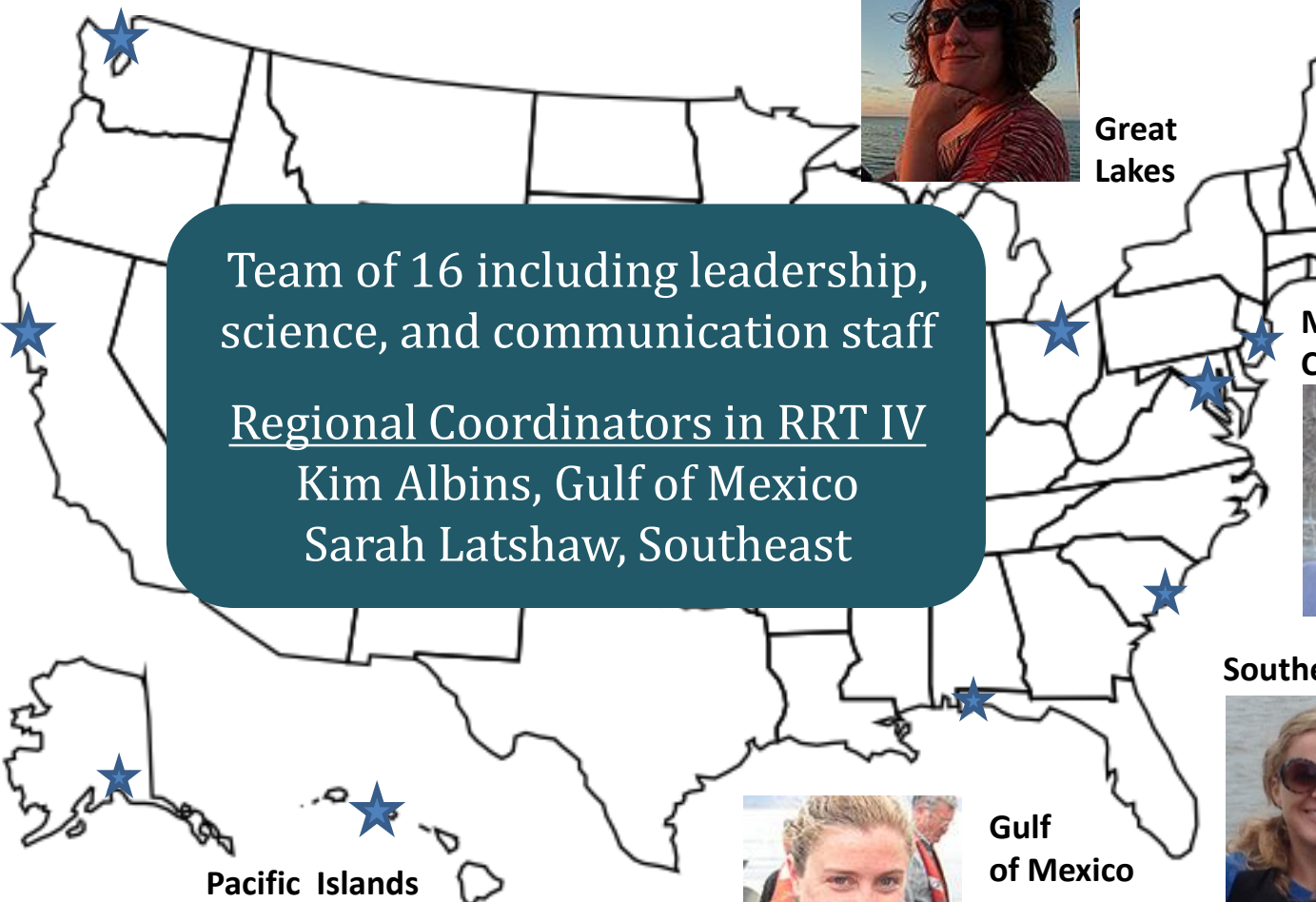
Pacific
Northwest



California



Alaska



Team of 16 including leadership,
science, and communication staff

Regional Coordinators in RRT IV

Kim Albins, Gulf of Mexico

Sarah Latshaw, Southeast



Great
Lakes



Northeast

Mid-Atlantic &
Caribbean



Southeast



Gulf
of Mexico



Pacific Islands



Program Pillars

RESEARCH



Near Dog River, AL, Credit: DISL

EMERGENCY RESPONSE



Debris from Hurricane Katrina

PREVENTION



Watching unmanned watercraft locate debris

REMOVAL



Barge removal, Horn Island, MS

MDP: Response History

2005-2012: Case-by-case

- Hurricanes Katrina and Rita (2005)
- American Samoa Tsunami (2009)
- Japan Tsunami (2011)
- Super Storm Sandy (2012)



Gulf of Mexico Marine Debris

Navigation: Home, About, Search, Contact, Privacy Policy, Terms of Use, Disclaimer, Sitemap

Welcome to the Gulf of Mexico Marine Debris Project Web Site
by admin — last modified 2010-09-02 00:14:2

Click on the **name** of the area of interest to view survey chart index for that area.
Note: There are no data for Lafayette, St. Martin, West Baton Rouge and East Baton Rouge parishes.

Survey Status
Sonar survey complete

NAVIGATION
Project Description
Mapping and Data
> Project Map
> Interactive Mapper
> Data Analysis
Other Content
> Emergency Response Plan
> Marine Debris Dispersion Model
> Workshop Proceedings
> Outreach
> Photos & Video
> Links
> Contacts
> Help

Map of the Gulf of Mexico
The map shows the Gulf of Mexico coastline with various parishes and states labeled. The survey status is indicated by a yellow color, signifying that the sonar survey is complete.

MDP: Response History

2012: MDP Reauthorization

- Includes specific language on response mandate

2014: Response Planning

- Internal: Developing a response framework and list of core services
- External: Working with relevant agencies to create **Regional Response Plans**



Response Planning Project Goal

Improve preparedness for response to and recovery from **acute marine debris incidents** in coastal states

Note: Project only specifically addresses “acute” debris incidents, such as disaster debris, and may not apply to chronic marine debris issues



Marine Debris Definition

Any persistent solid material that is manufactured or processed and directly or indirectly, intentionally or unintentionally, disposed of or abandoned into the marine environment or Great Lakes (33 U.S.C. § 1956(3))



Project Objectives

1. Develop actionable response and recovery plans for acute marine debris incidents in coastal states.

Consolidate waterway response information into a single document using information from existing plans, programs and agency authorities

2. Conduct marine debris response exercises/drills to test plans and identify gaps in response.

Stand-alone exercises or as injects in larger response drills

Project Objectives (cont'd)

3. Support the integration of response plan content into other existing local, state, federal or regional plans and trainings.

Such as U.S. Coast Guard Area Contingency Plans, Emergency Management Plans, etc.

Project Status

State Overview &
Plan Development Process



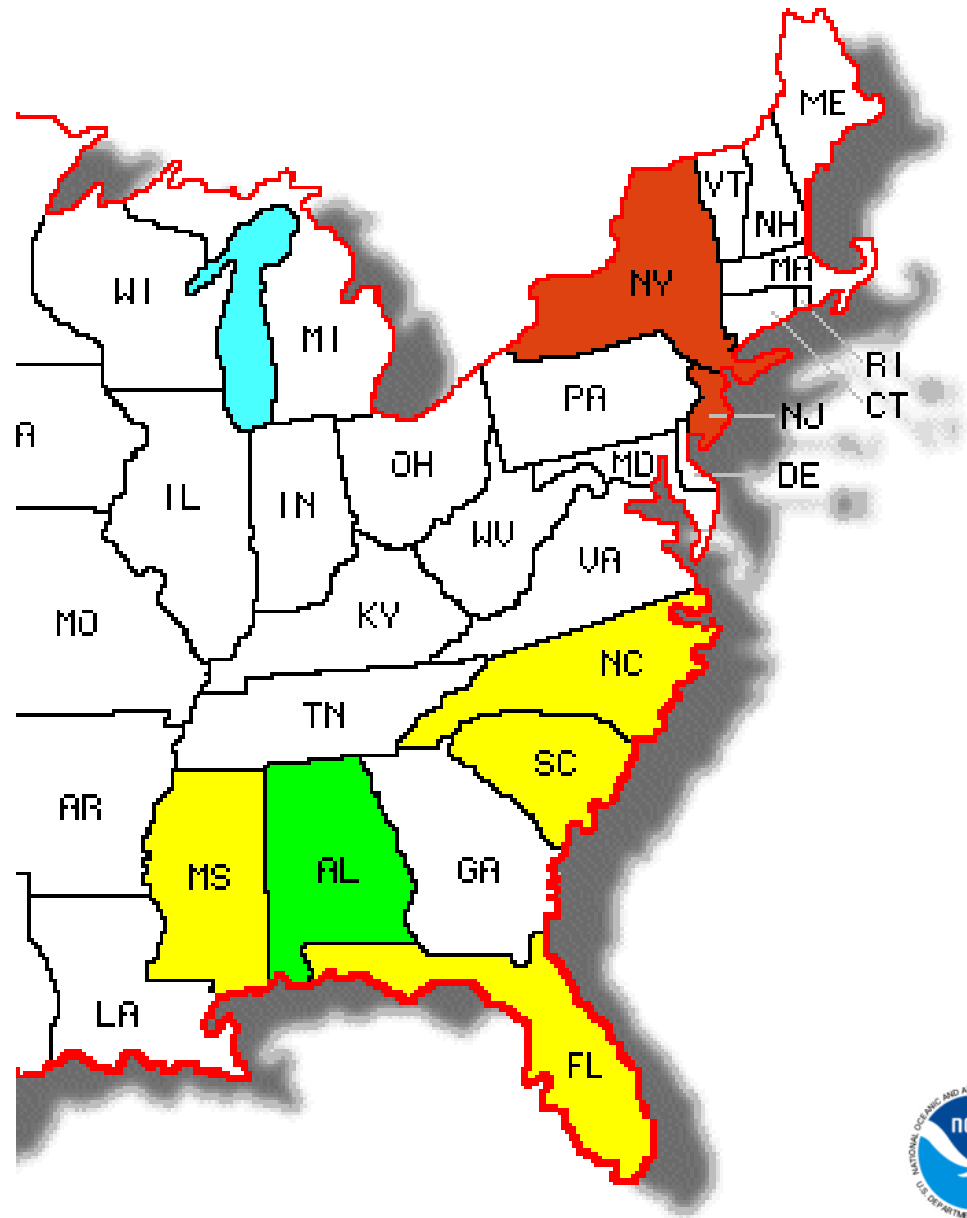


Plan Complete

In Process



Passive Research



Plan Development Process

1. Background research - *MS, SC, NJ, NY*
2. Engage stakeholders: one on one
3. Document roles, responsibilities, point of contacts and jurisdictions
4. Outline permitting and compliance structure
5. Engage stakeholders: workshops - *NC*
6. Plan writing
7. Stakeholder agency review - *FL*
8. Plan publication
9. Ongoing plan maintenance and exercises - *AL*



Plan Development Process

Federal Agencies



**US Army Corps
of Engineers**
Mobile District



FEMA



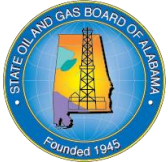
NRCS Natural Resources
Conservation Service



State Agencies (AL, FL)



ADEM
Alabama Department of Environmental Management



County Agencies

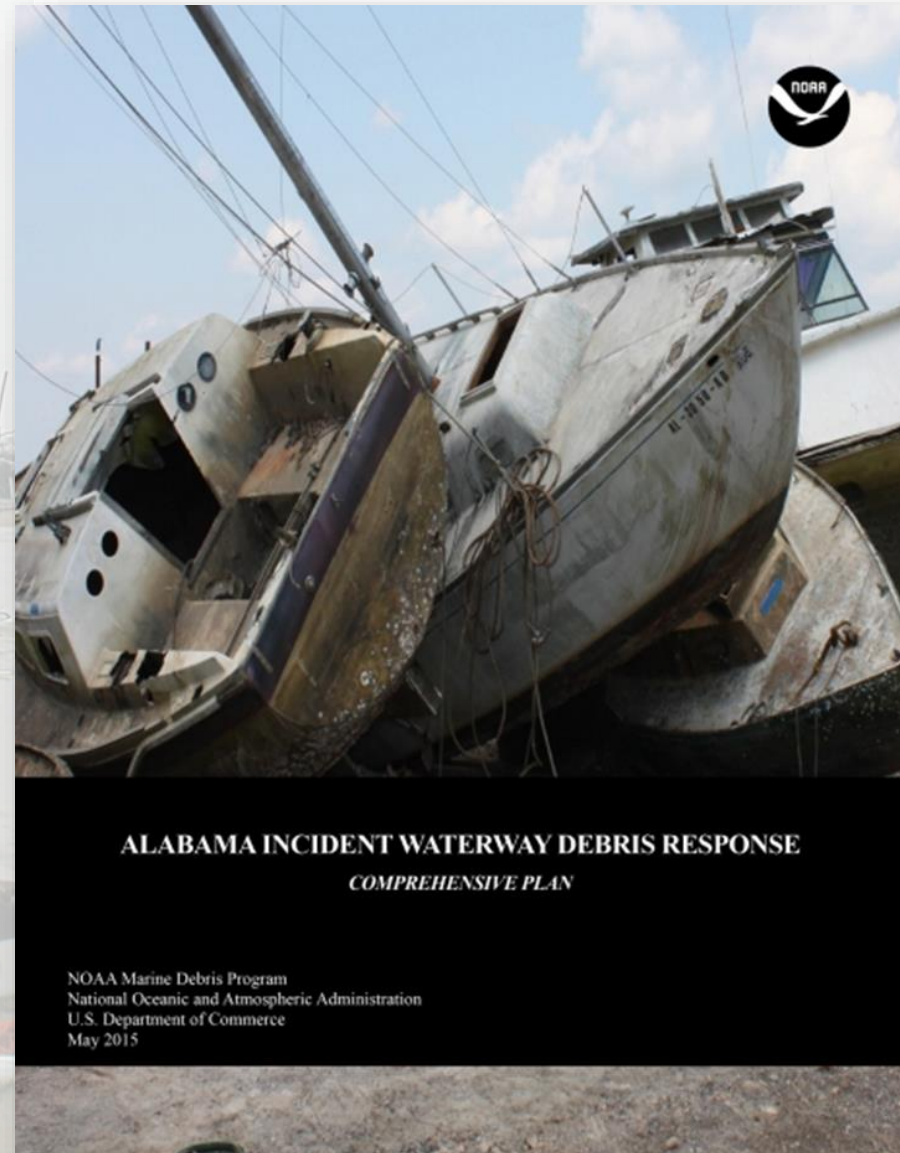


Response Plan Contents



Plan Contents

- I. Introduction
- II. Background Risk: Foreseeable Incidents and Debris Types
- III. Agency Roles, Responsibilities, and Jurisdictions
- IV. Permitting and Compliance Requirements
- V. Gaps and Recommended Actions
- VI. Agency Response Capabilities
- VII. Agency Contact Information



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✓ **Purpose**

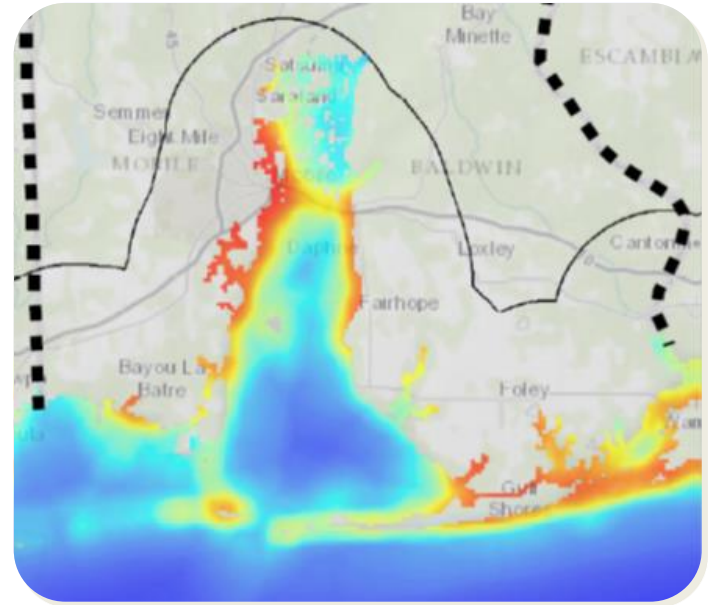
✓ **Scope of Plan:
functionally and
geographically**

✓ **Plan Maintenance**



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		Risk of Occurrence		
		High	Medium	Low
Natural Hazards	Flooding	H		
	Tornados/Wind Storms	H		
	Hurricanes	H		
	Winter/Ice Storms		M	
	Earthquakes			L
	Landslides/Subsidence			L
	Tsunamis			L
Technological Hazards	Transportation (Air/Sea/Rail)		M	
	Terrorism			L
	Hazmat (Fixed Facility)			L
	Hazmat (Transportation)			L

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Yes - In-house Capability		Baldwin County EMA	Mobile County EMA	ADCNR	ADEM
Contract - Contracted capability					
Technology	GIS mapping and plotting of imagery	Yes	Yes	Yes	Yes
	Side scan sonar	-	Contract	Yes	-
	Multi-beam sonar	-	-	-	-
	Single-beam sonar	-	-	Yes	-
	Remote sensing capabilities	-	-	-	-
Manpower	Volunteer manpower	Contract	Contract	Yes	-
	Technical expertise for removal operations	-	-	Yes	-
	Environmental expertise (location of sensitive areas, endangered species present, etc.)	-	-	Yes	Yes
	Compliance and permitting expertise	-	-	Yes	Yes
	Dive support	-	Contract	Yes	-
Equipment	Vessels	-	-	Yes	Yes
	Aircraft	-	-	-	-
	Barge, Self-loading barge	-	-	-	-
	Crane, <u>Knuckleboom</u> Crane	-	-	-	-
	Excavator	-	-	-	-
	Boom	-	-	-	-
	Surplus parts for terrestrial and marine work	-	-	-	-
	Surveillance drones	-	-	-	-
Other specialized equipment that cannot be readily procured immediately following a debris incident		-	Yes	Yes ¹	-



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Agency	Topic	Point of Contact	Phone
U.S. Army Corps of Engineers (USACE), Mobile District	Compliance and permitting expertise	Mobile District, Regulatory Division	251-690-2658
	Federally maintained waterway or channel	Duane Poiroux, Operations Division	251-690-2576
	Response capabilities	Bo Ansley, Emergency Management	251-690-2027
U.S. Coast Guard (USCG), District 8, Sector Mobile	Potential to release oil or hazardous material	National Response Center (NRC)	1-800-424-8802
	Response capabilities	USCG Sector Mobile Command Center	251-441-6211
EPA, Region IV	Potential to release oil or hazardous material	National Response Center (NRC)	1-800-424-8802
	Response capabilities and coordination	Leo Francendese, On Scene Coordinator, EPA Region IV	404-606-2223
FEMA, Region IV	Funding following Presidential disaster declaration	Contact local Emergency Management Agency	-
	GIS mapping and plotting of imagery	David Lawson, Region IV GIS Coordinator	770-220-5504
	Technical expertise for removal operations and environmental, compliance and permitting expertise	Valerie Rhoads, Public Assistance Branch Chief	770-220-5618
U.S. Fish and Wildlife Service (USFWS)	Bon Secour NWR and response capabilities	Brittany Petersen, Assistant Refuge Manager	251-540-7720
	Compliance and permitting expertise	Alabama Ecological Services Field Office	251-441-5181
National Oceanic and Atmospheric Administration (NOAA)		Bill Pearson, Field Supervisor	251-441-5870
	Emergency ESA/EFH Consultation	-	-
	EFH information	Rusty Swafford	409-766-3699
		General Contact	727-824-5312
	ESA information	Kyle Baker	727-551-5789
		Dennis Klemm	727-551-5777
	Potential to release oil or hazardous material	Adam Davis, Scientific Support Coordinator for USCG District 8	251-544-5012 (O), 206-375-5697 (24hr)
Natural Resource Conservation	Response capabilities and coordination	Kim Albins, Gulf of Mexico Regional Coordinator, Marine Debris Program	251-544-5013 (O), 251-222-0276 (C)
	Emergency Watershed Protection (EWP) Program Information	Diane Guthrie, P.E., State Conservation Engineer	334-887-4536
	Baldwin County	Joey Koptis, District Conservationist	251-937-3297x3



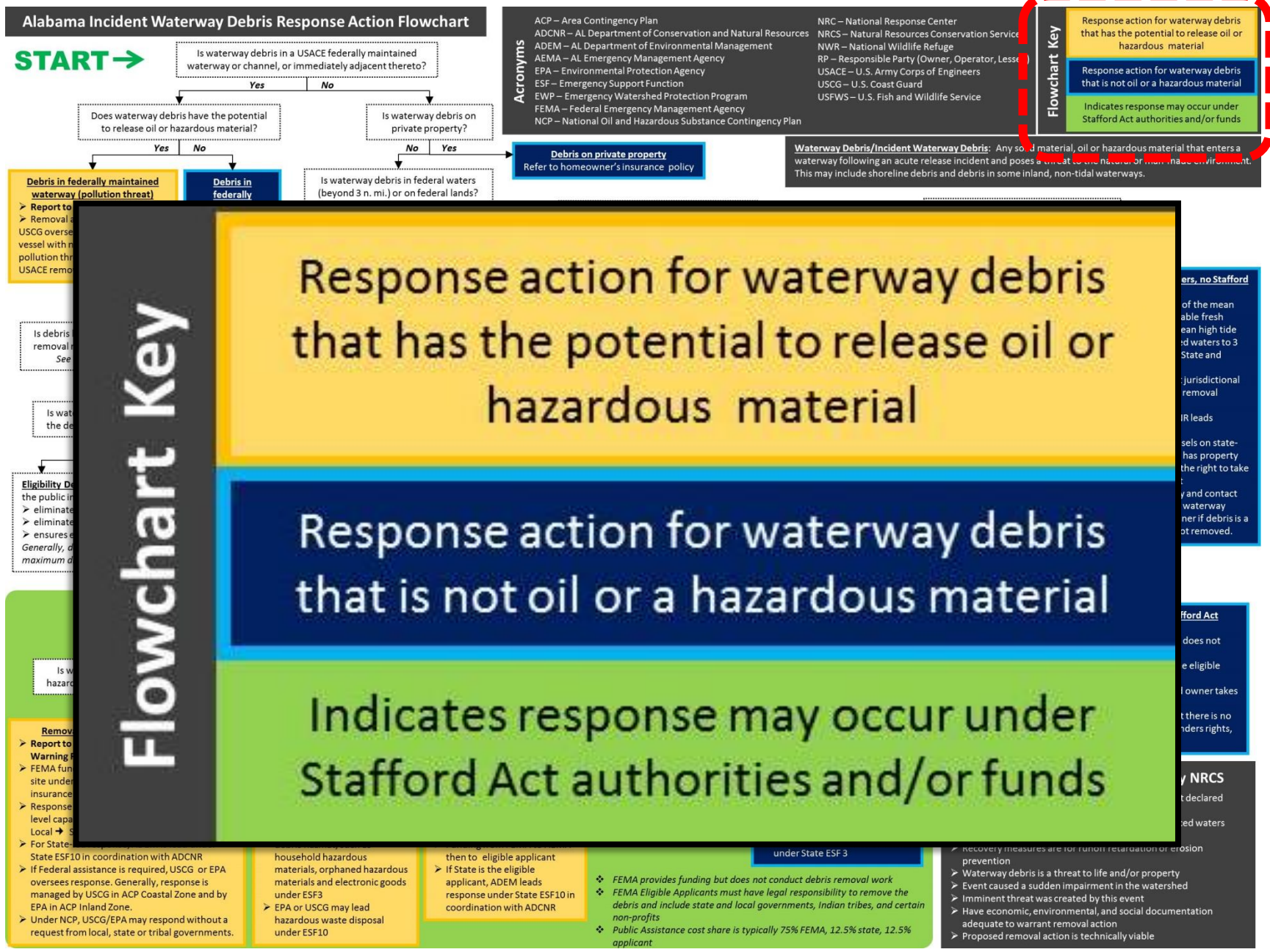
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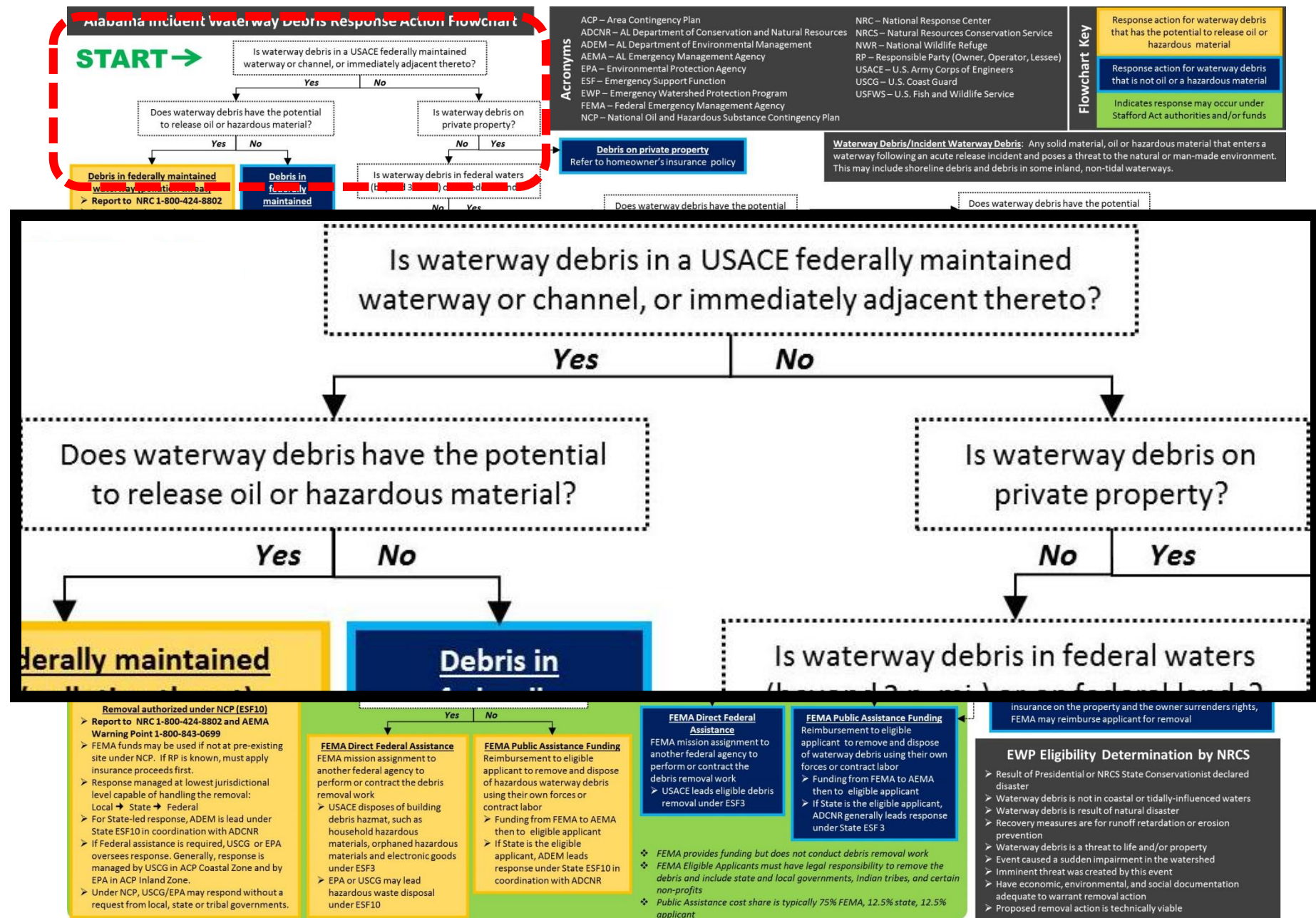
Field Reference Guide



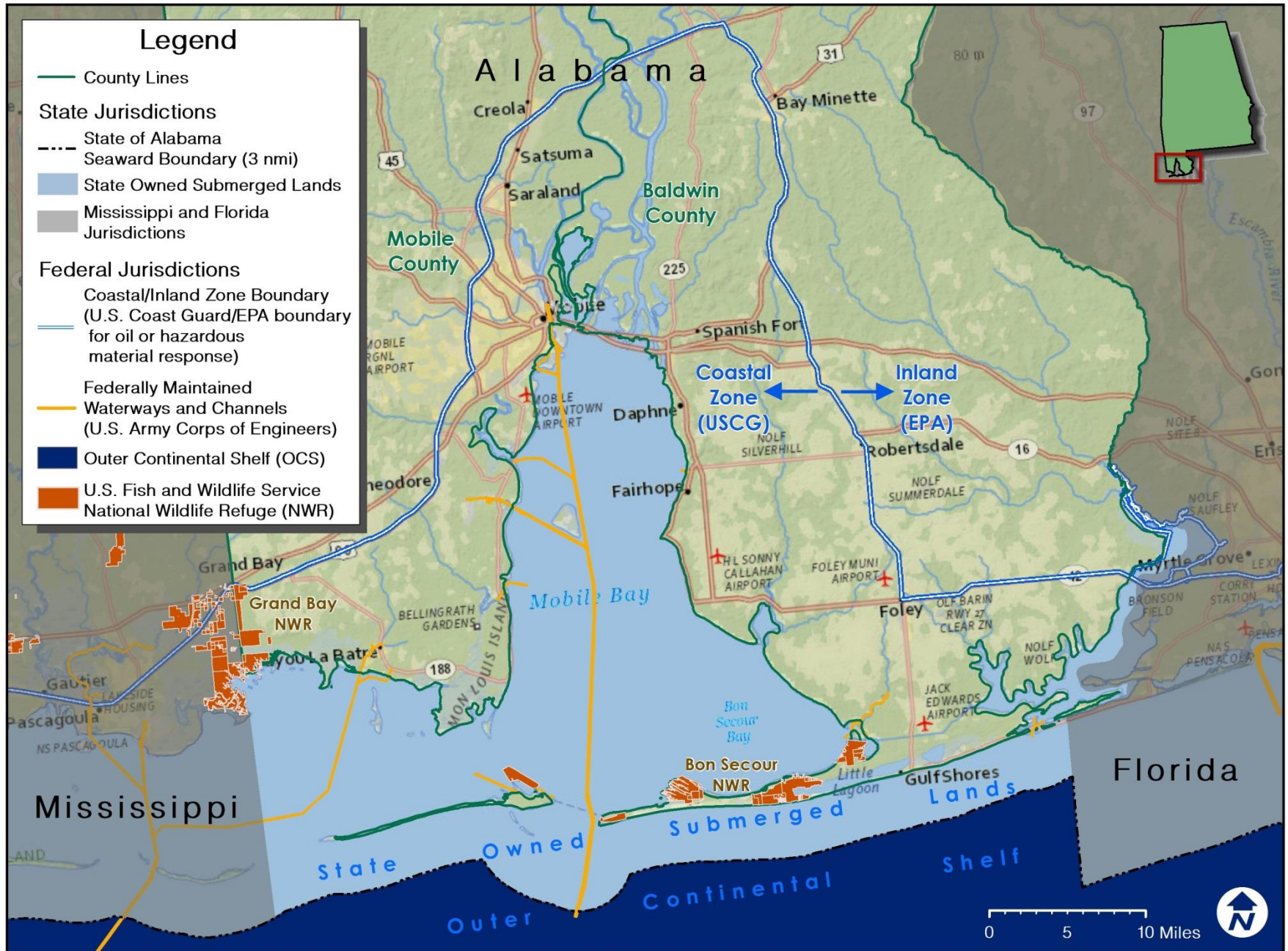
Alabama Incident Waterway Debris Response Action Flowchart



Alabama Incident Waterway Debris Response Action Flowchart



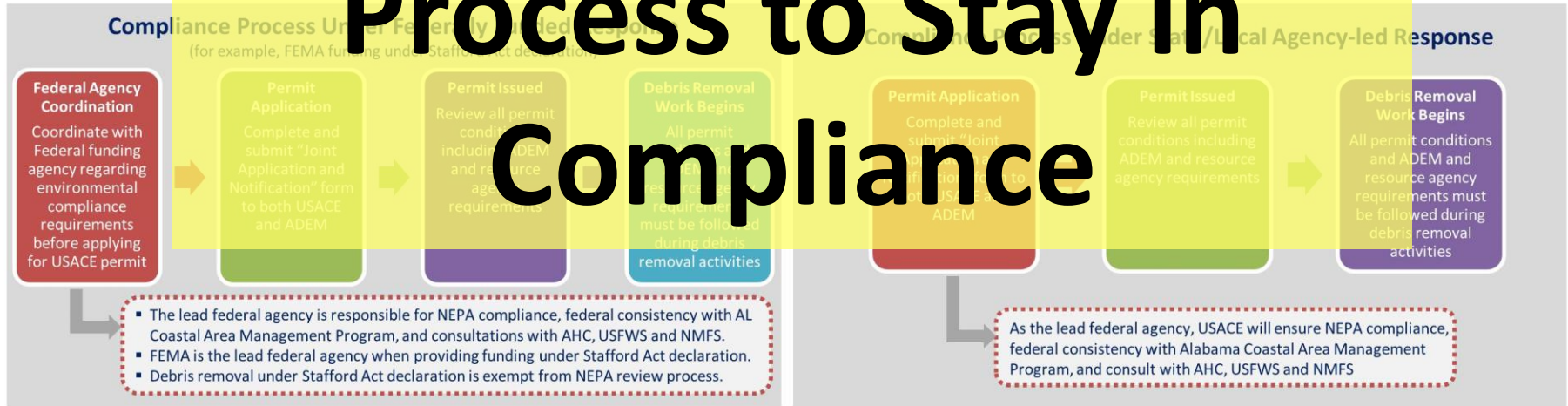
Alabama Incident Waterway Debris Response Map



Permitting and Compliance for Waterway Debris Removal in Alabama

- U.S. Army Corps of Engineers (USACE) permit is required for debris removal within waterways and wetlands. One or multiple permits may be needed.
- In Mobile and Baldwin Counties, permit applications are jointly reviewed by USACE and Alabama Department of Environmental Management (ADEM). A "Joint Application and Notification" can be downloaded at the USACE, Mobile District, Regulatory Division webpage.
- It is the responsibility of the **lead federal agency** to ensure compliance with National Environmental Policy Act (NEPA), federal coastal consistency, and consult with tribal and resource agencies including Alabama Historical Commission (AHC), U.S. Fish and Wildlife Service (USFWS) and NOAA's National Marine Fisheries Service (NMFS).


Process to Stay in Compliance




Agency Requirements and Legislation Details

Agency Contact Information and Details


U.S. Army Corps of Engineers (USACE) Mobile District Regulatory Division 251-690-2658	<ul style="list-style-type: none"> Permit(s) required for debris response/removal work within waterways and wetlands <ul style="list-style-type: none"> ALG-04 Debris Removal from waterway for navigational or drainage purposes NWP-3 Maintenance of navigational channels and removal of debris accumulated around and within navigation NWP-22 Removal of Vessels removal of wrecked, abandoned, disabled vessels or other man-made obstructions to navigation NWP-37 Emergency Watershed Protection & Rehabilitation for work done under NRCS's Emergency Watershed Protection program 	Alabama Historical Commission (AHC) 334-242-6843	<ul style="list-style-type: none"> Consultation with State Historic Preservation Office required if waterway debris response involves Federal permits and/or funding (USACE permit, FEMA funding, etc.) to comply with: <ul style="list-style-type: none"> National Historic Preservation Act Antiquities Act Archaeological Resources Protection Act National Register of Historic Places
Alabama Department of Environmental Management (ADEM) Coastal Program 251-304-1176 Warning Point 1-800-843-0699 Air Division 334-271-7879	<ul style="list-style-type: none"> In Mobile and Baldwin Counties, ADEM Coastal Program simultaneously 	U.S. Fish and Wildlife Service (USFWS) Alabama Ecological Services 334-242-6843	<ul style="list-style-type: none"> Consultation required if waterway debris response involves Federal permits and/or funding (USACE permit, FEMA funding, etc.) to comply with: <ul style="list-style-type: none"> Endangered Species Act (ESA) to ensure actions do not adversely affect listed threatened or endangered species or critical habitat for land and fish/wildlife species such as manatee Coastal Zone Management Act to ensure actions do not encourage development on coastal waters in Mobile and Baldwin Counties




ADEM
Alabama Department of Environmental Management




AHC
ALABAMA HISTORICAL COMMISSION



US Army Corps of Engineers
Mobile District



U.S. FISH & WILDLIFE SERVICE
DEPARTMENT OF THE INTERIOR



NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

Additional Information:

- Disposal of hazardous waste must be coordinated with ADEM
- Act (NEPA)
- FEMA is provided with statutory exclusions under the Stafford Act which exempts debris removal from NEPA review when FEMA is providing funding

Capabilities Matrix

	Yes - In-house Capability	Baldwin County EMA	Mobile County EMA	ADCNR	ADEM	ASPA	GSA	USACE Mobile District	USFWS	FEMA Region IV ¹²	NOAA
	Contract - Contracted capability										
Technology	GIS mapping and plotting of imagery	Yes	Yes	Yes	Yes	-	Yes	Yes ⁵	-	Yes	Yes
	Side scan sonar	-	Contract	Yes	-	-	-	Contract	-	-	Yes
	Multi-beam sonar	-	-	-	-	-	-	Contract	-	-	Yes
	Single-beam sonar	-	-	Yes	-	-	-	Contract	-	-	Yes
	Remote sensing capabilities	-	-	-	-	-	Yes	Contract	-	-	Yes
Manpower	Volunteer manpower	Contract	Contract	Yes	-	-	-	-	Yes	-	-
	Technical expertise for removal operations	-	-	Yes	-	-	-	Yes ⁹	-	Yes	Yes
	Environmental endangerment	Yes - In-house Capability						Baldwin County EMA	Mobile County EMA		Yes ¹³
	Compliance	Contract - Contracted capability									Yes
	Dive support										Yes
Equipment	Vessels										Yes
	Aircraft	GIS mapping and plotting of imagery						Yes	Yes		Yes
	Barge, Self-propelled	Side scan sonar						-	Contract		-
	Crane, Knuckle-boom	Multi-beam sonar						-	-		-
	Excavator	Single-beam sonar						-	-		-
	Boom	Remote sensing capabilities						-	-		-
	Surplus property										-
	Surveillance										-
	Other special equipment										-
	procured immediately following a debris incident		Yes	Yes	-	-	Yes	Contract	Yes	-	-
Logistics	Funding for waterway debris removal	-	-	-	-	-	-	Yes ¹¹	-	-	Yes ¹⁴
	Facility suitable for establishing an operations center	Yes	Yes	Yes ²	-	Yes	-	Yes	-	-	Yes
	Docks for wet storage of vessels	-	-	Yes ³	-	Yes	-	-	-	-	-
	Staging area for dry storage of vessels	Yes	-	Yes ⁴	-	Yes	-	Yes	Yes	-	Yes
	Pre-designated landfill/disposal sites	Yes	-	-	-	-	-	-	-	-	-
	Pre-event contracts and staged agreements in place	Yes	-	-	-	-	-	Yes	-	-	-
	Contract authority and oversight capabilities	Yes	-	Yes	-	Yes	-	Yes	-	-	Yes
	Land with water access to offload (has not been evaluated for suitability or officially pre-designated)	Yes	-	Yes ⁵	-	Yes	-	-	-	-	-
	Pre-designated staging, off-loading and special handling areas (already evaluated for suitability)	Yes	-	-	-	-	-	-	-	-	-
	Other logistical support, including fuel, housing, food, etc.	Yes	Yes	Yes ⁶	-	-	-	-	-	-	-

Next Steps



Response Planning Next Steps

Alabama

- Tabletop exercise March 3
- Annual contact information verification April 2016

Florida

- Stakeholder review of draft plan March 2016
- Copy edit finalization April 2016

North Carolina

- Workshop April 6-7
- Copy edit finalization June 2016

Mississippi & South Carolina

- Workshops late summer 2016 with plan finalization in September 2016



Response Planning Next Steps

- Coordinate with partner agencies to incorporate marine debris response scenarios into planned exercises and drills
- Host marine debris-centric exercises with partner agencies
- Support incorporation of content into other existing plans



Questions?

