



South Carolina Marine Debris Emergency Response Guide: Field Reference Guide

NOAA Marine Debris Program
National Oceanic and Atmospheric Administration
U.S. Department of Commerce
March 2018

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1. Introduction

1.1 Purpose

This *Field Reference Guide* condenses information contained in the *South Carolina Marine Debris Emergency Response Guide: Comprehensive Guidance Document (Guide)* to facilitate use during emergency response operations. While the *Comprehensive Guidance Document* serves as a complete reference for incident waterway debris response in South Carolina, the *Field Reference Guide* includes the most pertinent information for quick reference in the field and during times of crisis. Both documents and subsequent versions will be posted on the National Oceanic and Atmospheric Administration’s (NOAA) Marine Debris Program website at <https://marinedebris.noaa.gov/>.

The purpose of these documents is to improve preparedness for response and recovery operations following an acute waterway debris incident in South Carolina. The term acute waterway debris incident is used to generally describe an incident – either natural or anthropogenic – that results in the release of large amounts of waterway debris. The *Comprehensive Guidance Document* and complementary *Field Reference Guide* outline existing response structures at the local, state, and federal levels to facilitate a coordinated, well-managed, and immediate response to potential waterway debris incidents impacting the state of South Carolina. Individual organization roles and responsibilities are presented in a consolidated one-page flowchart, which functions as a decision tree for waterway debris response. Additionally, permitting and compliance requirements for waterway debris removal have been synthesized in a one-page reference handout.

1.2 Scope of *Guide*

The *Comprehensive Guidance Document* and *Field Reference Guide* address potential acute waterway debris incidents affecting South Carolina’s coastline. For purposes of these documents, the term waterway debris (or incident waterway debris) is used in lieu of the term marine debris. In 33 U.S.C. § 1956(3), marine debris is defined as 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. Although vegetative debris is not included in the legal

definition for marine debris, South Carolina stakeholders have identified it as a common debris stream of concern following disasters in the state. To account for both marine debris and vegetative debris in this document, the term waterway debris is used and includes any solid material, including but not limited to vegetative debris and debris exposed to or that has the potential to release oil, hazardous substances, pollutants or contaminants, that enters a waterway following an acute incident and poses a threat to the natural or man-made environment. This may include shoreline and wetland debris and debris in some inland, non-tidal waterways.

2. South Carolina Incident Waterway Debris Response Flowchart

The “South Carolina Incident Waterway Debris Response Flowchart” on the following page provides a visual one-page representation of agency roles and responsibilities. The flowchart functions as a decision tree for waterway debris response with color-coded endpoints. Yellow endpoints represent response to waterway debris that is exposed to or has the potential to release oil, hazardous substances, pollutants or contaminants. Blue endpoints represent response to waterway debris that is not exposed to and does not have the potential to release oil, hazardous substances, pollutants or contaminants. Endpoints within the green shaded area indicate that response may occur under Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act) authorities and/or funding.

South Carolina Incident Waterway Debris Response Flowchart

Acronyms

ADV – Abandoned and Derelict Vessel
 ACP – Area Contingency Plan
 DHEC – SC Department of Health and Environmental Control
 DoD – U.S. Department of Defense
 DNR – SC Department of Natural Resources
 EPA – U.S. Environmental Protection Agency
 ERS – DHEC’s Emergency Response Section
 ESF – Emergency Support Function
 EWP – Emergency Watershed Protection
 FEMA – Federal Emergency Management Agency
 NCP – National Oil & Hazardous Substance Contingency Plan
 NGO – Non-Governmental Organization
 NPS – National Park Service
 NRC – National Response Center

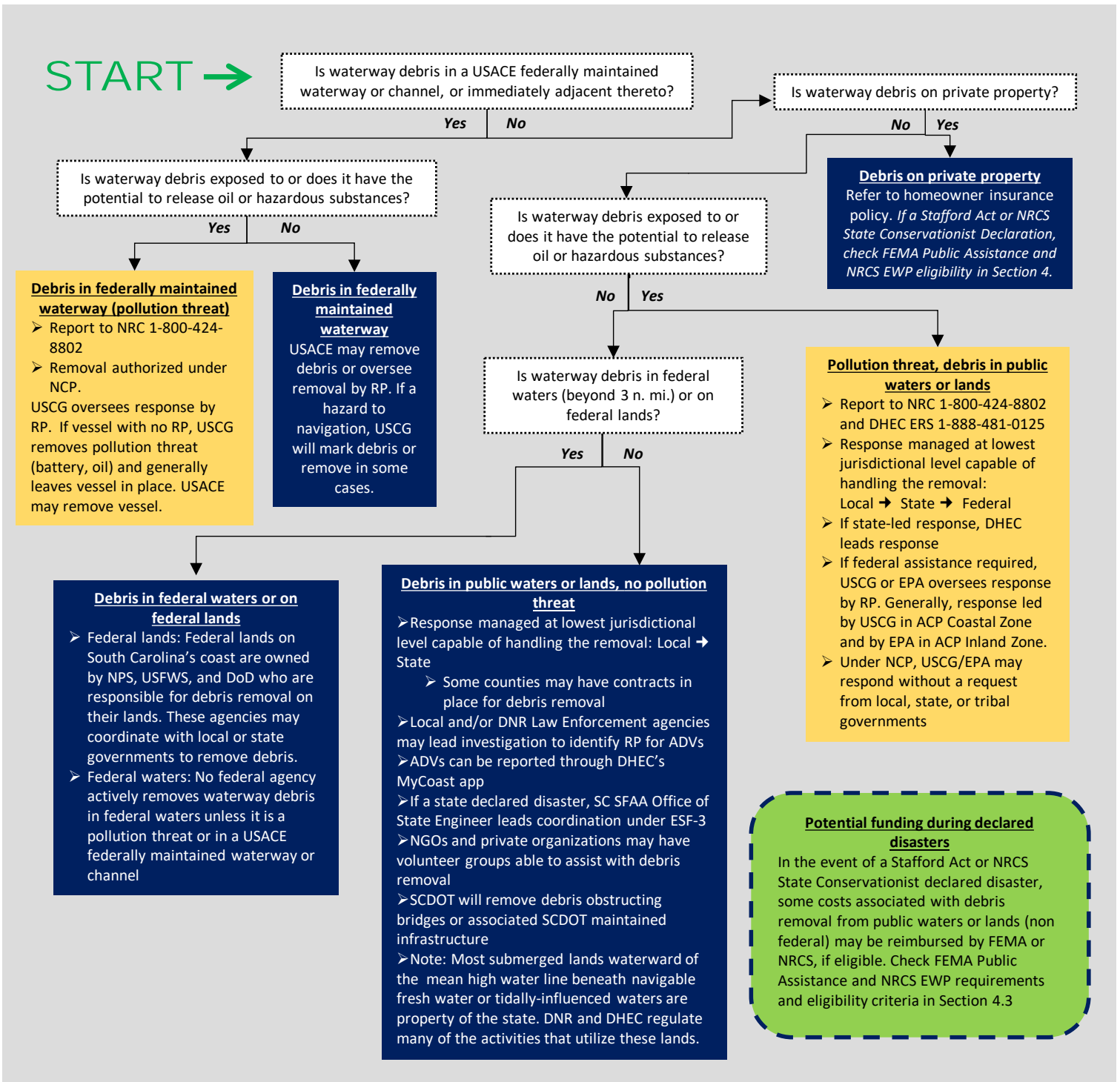
NRCS – Natural Resources Conservation Service
 RP – Responsible Party (Owner, Operator, Lessee)
 SCDOT – SC Department of Transportation
 SCEMD – SC Emergency Management Division
 SFAA – SC State Fiscal Accountability Authority
 USACE – U.S. Army Corps of Engineers
 USCG – U.S. Coast Guard
 USFWS – U.S. Fish and Wildlife Service

Flowchart Key

Response to waterway debris that is exposed to or has the potential to release oil, hazardous substances, pollutants, or contaminants

Response to waterway debris that is not exposed to and does not have the potential to release oil, hazardous substances, pollutants, or contaminants

Waterway Debris/Incident Waterway Debris
 Any solid material, including but not limited to vegetative debris and debris exposed to or that has the potential to release oil, hazardous substances, pollutants or contaminants, that enters a waterway following an acute incident and poses a threat to the natural or man-made environment. This may include shoreline and wetland debris and debris in some inland, non-tidal waterways.



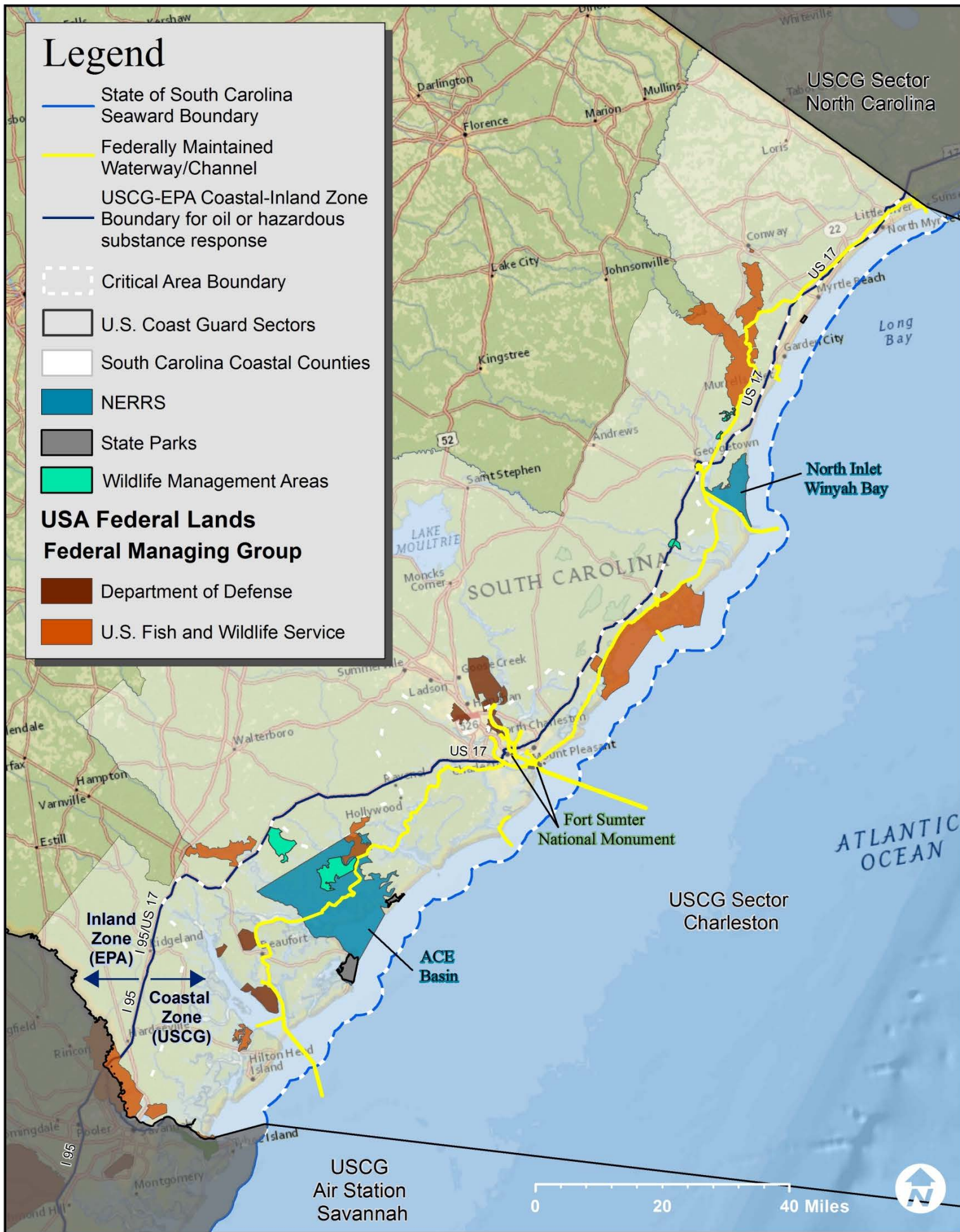
3. Agency Jurisdictions and Capabilities

3.1 Agency Jurisdiction Map

The “Agency Jurisdiction Map” on the following page displays coastal South Carolina’s relevant state and federal agency jurisdictions and boundaries. After an acute waterway debris incident, the agency with authority to remove debris will vary depending on where the debris is located. This map includes information that stakeholders identified as important in determining how incident waterway debris response is handled in the state.

3.2 Agency Response Capabilities

South Carolina Incident Waterway Debris Response Map



3.2 Agency Response Capabilities

Yes - In-house Capability		FEMA Region IV ¹	NOAA ²	USACE Charleston District	USCG Sector Charleston	NRCS	EPA Region IV	USFWS	SC DHEC OCRM	SCIAA - MRD	SC DNR Law Enforcement Division	Beaufort County Public Works
Contract - Contracted capability												
Technology	Aerial photography and video		Yes				Contract		Contract		Yes	
	IT support during response (server/storage space for data and information sharing)		Yes				Yes					
	Magnetometers			Yes ⁷			Contract			Yes		
	Remote Sensing		Yes	Contract						Yes		
	Sediment Profilers		Yes									
	Multi-beam sonar		Yes	Yes ⁷							Yes	
	Side-scan sonar		Yes	Yes ⁷						Yes		
Single-beam sonar		Yes	Yes ⁷							Yes		
Manpower/Expertise	Communication/public information expertise (dedicated spokesperson/Public Information Officer)		Yes	Yes	Yes		Yes		Yes		Yes	
	Compliance and permitting expertise	Yes	Yes	Yes			Yes	Yes	Yes	Yes		
	Data/information management capabilities		Yes				Yes	Yes		Yes		
	Debris modeling expertise (volume, transport, hindcasting, etc.)		Yes				Contract					
	Dedicated waterway/marine debris staff (responders, response team, regional coordination, etc.)		Yes									
	Dive support (scientific, technical, commercial etc.)		Yes ³	Yes	Contract		Contract			Yes	Yes	
	Environmental expertise (location of sensitive areas, endangered species present, etc.)	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes		Yes	
	Field GPS units						Contract	Yes	Yes	Yes	Yes	
	Geographic Information System (GIS) mapping and plotting of imagery	Yes	Yes	Yes ⁸			Contract		Yes	Yes	Yes	
	Hazardous substance and/or oiled debris expertise		Yes				Yes					
	Incident Command System (ICS) trained staff	Yes	Yes				Yes		Yes		Yes	
	Maritime Transportation Recovery Unit (MTSRU) expertise											
	Post-storm damage assessment teams						Yes		Yes		Yes	
	Protected species/Environmental Sensitivity Index (ESI) expert in the field		Yes					Yes			Yes	
	Technical expertise for removal operations (techniques, best management practices, etc.)	Yes	Yes	Yes ⁹	Yes	Yes	Yes		Yes		Yes	
	Vector Control											
	Volunteer manpower					Yes		Yes		Yes	Yes	
Volunteer coordinator									Yes	Yes		
Waterway management authority (law enforcement officers)										Yes		

Yes - In-house Capability		FEMA Region IV ¹	NOAA ²	USACE Charleston District	USCG Sector Charleston	NRCS	EPA Region IV	USFWS	SC DHEC OCRM	SCIAA - MRD	SC DNR Law Enforcement Division	Beaufort County Public Works
Contract - Contracted capability												
Technology	Aerial photography and video		Yes				Contract		Contract		Yes	
	IT support during response (server/storage space for data and information sharing)		Yes				Yes					
	Magnetometers			Yes ⁷			Contract			Yes		
	Remote Sensing		Yes	Contract						Yes		
	Sediment Profilers		Yes									
	Multi-beam sonar		Yes	Yes ⁷							Yes	
	Side-scan sonar		Yes	Yes ⁷						Yes		
	Single-beam sonar		Yes	Yes ⁷							Yes	
Manpower/Expertise	Communication/public information expertise (dedicated spokesperson/Public Information Officer)		Yes	Yes	Yes		Yes		Yes		Yes	
	Compliance and permitting expertise	Yes	Yes	Yes			Yes	Yes	Yes	Yes		
	Data/information management capabilities		Yes				Yes	Yes		Yes		
	Debris modeling expertise (volume, transport, hindcasting, etc.)		Yes				Contract					
	Dedicated waterway/marine debris staff (responders, response team, regional coordination, etc.)		Yes									
	Dive support (scientific, technical, commercial etc.)		Yes ³	Yes	Contract		Contract			Yes	Yes	
	Environmental expertise (location of sensitive areas, endangered species present, etc.)	Yes	Yes ⁴	Yes	Yes	Yes	Yes	Yes	Yes		Yes	
	Field GPS units						Contract	Yes	Yes	Yes	Yes	
	Geographic Information System (GIS) mapping and plotting of imagery	Yes	Yes	Yes ⁸			Contract		Yes	Yes	Yes	
	Hazardous substance and/or oiled debris expertise		Yes				Yes					
	Incident Command System (ICS) trained staff	Yes	Yes				Yes		Yes		Yes	
	Maritime Transportation Recovery Unit (MTSRU) expertise											
	Post-storm damage assessment teams						Yes		Yes		Yes	
	Protected species/Environmental Sensitivity Index (ESI) expert in the field		Yes					Yes			Yes	
	Technical expertise for removal operations (techniques, best management practices, etc.)	Yes	Yes	Yes ⁹	Yes	Yes	Yes		Yes		Yes	
	Vector Control											
	Volunteer manpower					Yes		Yes		Yes	Yes	
Volunteer coordinator									Yes	Yes		
Waterway management authority (law enforcement officers)										Yes		

Each agency self-reported capabilities which could be of use during waterway debris response. Agencies were asked to indicate whether capabilities were in-house or were contracted through a third party. Footnotes refer to additional information provided for a particular capability.

¹FEMA – Capabilities contingent upon a Presidential major disaster declaration. FEMA capable of mission-assigning other federal support to increase capabilities. FEMA has interactive live collection and mapping capabilities and a template wet debris collector map for Region IV.

²NOAA - Some capabilities require contract support for staffing

³NOAA - Dive capabilities do not include sites with oil or hazardous pollutants

⁴NOAA – Coordinates marine mammal and sea turtle stranding response and reviews proposed debris removal activities for compliance with ESA and Magnuson-Stevens Fisheries Conservation and Management Act

⁵NOAA – Funding through grant program and possible Congressional supplemental funding

⁶NOAA – Weather and marine forecasts through National Weather Service in Newport, NC

⁷USACE – Funding in place for federal projects only

⁸USACE – Has a GIS cadre for response

⁹USACE – Has planning response teams

¹⁰USCG – Small amounts of boom on hand but capable of using pre-event contracts for larger pollution events

¹¹USCG – Contract authority and oversight capabilities for USCG contracts only

¹²USCG – Docks for wet storage of vessels has limited space and suitable for larger vessels only

¹³USCG – Funding for pollution incidents only

¹⁴USCG – Pre-event contracts and staged agreements in place for pollution incidents only

¹⁵USCG – Staging area for dry storage of vessels has limited space

¹⁶NRCS – Contract authority for EWP contracts only

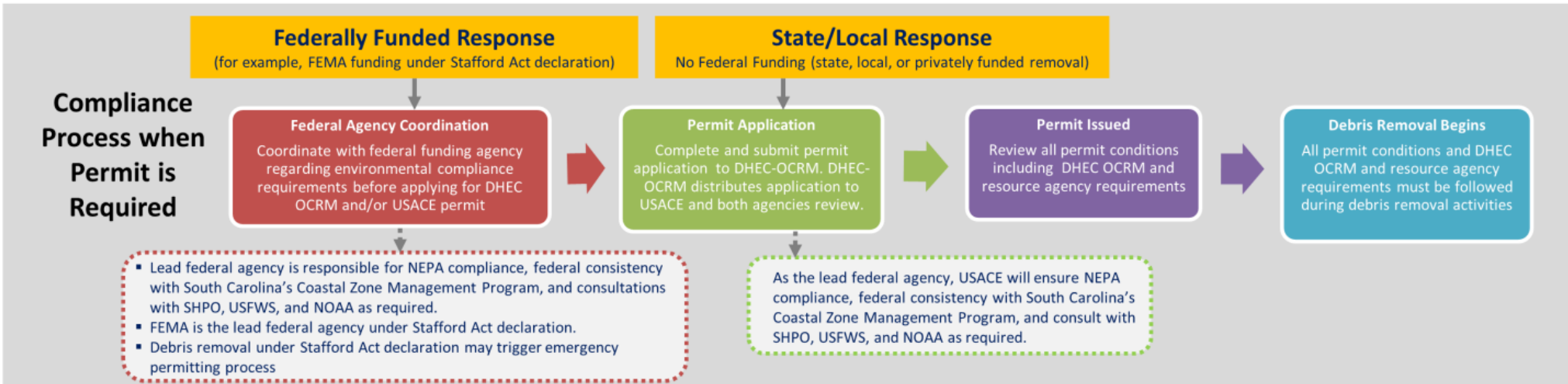
¹⁷NRCS – Funding for authorized EWP contracts only

4. Permitting and Compliance Requirements in South Carolina

The “Permitting and Compliance for Waterway Debris Removal in South Carolina” one-pager on the following page synthesizes permitting and compliance requirements that must be met before waterway debris removal operations begin. The top portion of the one-pager outlines the process to follow to stay in compliance, while the bottom portion highlights specific state and federal agency requirements with general contact information.

Permitting and Compliance for Waterway Debris Removal in South Carolina

- U.S. Army Corps of Engineers (USACE) permit may be required for debris removal within waterways and wetlands. One or multiple permits may be needed.
- If a project requires both a federal permit and a permit through the Department of Health and Environmental Control's (DHEC) Office of Ocean and Coastal Resource Management (OCRM), the applicant can apply directly to DHEC OCRM, who will forward the application to USACE and state and federal review will occur concurrently to expedite the process.
- It is the responsibility of the **lead federal agency** to ensure compliance with National Environmental Policy Act (NEPA), federal coastal consistency, and consult with resource agencies including South Carolina State Historic Preservation Office (SHPO), U.S. Fish and Wildlife Service (USFWS), and the National Oceanic and Atmospheric Administration (NOAA) as required.



Agency Requirements and Legislation Details

<p>U.S. Army Corps of Engineers (USACE) Charleston District Regulatory Program 843-329-8044</p>	<ul style="list-style-type: none"> Permit(s) that may be required for debris removal work within waterways and wetlands: <ul style="list-style-type: none"> NWP-3 Maintenance for removal/maintenance of culverts, sediments, or debris accumulated around outfalls, bridges, etc. in wetland areas NWP-22 Removal of Vessels for removal of wrecked, abandoned, or 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 NWP-38 Cleanup Hazardous/Toxic Waste for containment, stabilization, or removal of hazardous or toxic waste not under CERCLA/NCP 	<p>National Environmental Policy Act (NEPA)</p>	<ul style="list-style-type: none"> Requires federal agencies to follow a specific planning process to ensure environmental consequences of federally funded actions are considered FEMA is provided with statutory exclusions under the Stafford Act which exempts debris removal from NEPA review when FEMA is providing funding
<p>National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Service (NMFS) ESA: 727-824-5312 EFH: 727-570-5317</p>	<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 marine species Magnuson-Stevens Fisheries Conservation and Management Act to ensure actions do not adversely affect Essential Fish Habitat (EFH) 	<p>SC Department of Health and Environmental Control (DHEC) Ocean and Coastal Resource Management (OCRM) 843-953-0200</p>	<ul style="list-style-type: none"> A critical area permit might be required for debris removal projects that have the potential to alter a critical area <ul style="list-style-type: none"> Critical areas in South Carolina are defined as: Counties that are adjacent to, adjoining, intersected by or bounded by the Atlantic Ocean or any coastal sound Reviews project applications for consistency with the South Carolina Coastal Zone Management Program
<p>U.S. Fish and Wildlife Service (USFWS) Charleston Ecological Services Office (ESO) 843-727-4707</p>	<ul style="list-style-type: none"> Consultation with Ecological Services Office (ESO) 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 freshwater species and certain marine species such as manatee Coastal Barrier Resources Act (CBRA) to ensure actions do not encourage development on coastal barriers along the Atlantic coast 	<p>SC Department of Archives and History State Historic Preservation Office (SHPO) 803-896-6129</p>	<ul style="list-style-type: none"> Serves as the State Historic Preservation Office (SHPO) and ensures compliance with Section 106 of the National Historic Preservation Act Consultation with SHPO required if waterway debris response involves federal permits and/or funding (USACE permit, FEMA funding, etc.) or has the potential to affect historic or cultural sites included in or eligible for the National Register of Historic Places Coordinates with SCIAA for projects involving archaeological sites
		<p>SC Institute of Archaeology and Anthropology (SCIAA) State Underwater Archaeologist 803-576-6566</p>	<ul style="list-style-type: none"> Advises SHPO on projects involving archaeological sites in coordination with the Underwater Antiquities Act If a debris removal project requires compliance with any archaeological or Section 106 sites, submissions must be made through SHPO, and SCIAA will be contacted internally regarding Underwater Antiquities Act compliance

5. Agency Contact Information

Local Agencies/Organizations

Agency	Division	Topic	Point of Contact	Phone	Email
Coastal Counties (SC Coastal Zone Management Act definition)	Beaufort County	Emergency Management	-	843-255-4000	-
		Public Works	David Wilhelm, Public Works Director	-	dwilhelm@bcgov.net
			Pamela Cobb, Disaster Recovery Coordinator	843-255-2721	pcobb@bcgov.net
			Angel Bowers	-	abowers@bcgov.net
	Berkeley County	Emergency Preparedness	-	843-719-4817	-
	Charleston County	Emergency Preparedness	-	843-746-3800	-
		County Sheriff's Office	Lt. Dan Maddock	843-412-7173	dmaddock@charlestoncounty.org
		Mount Pleasant Police Department	Ssgt. Sean Hethington	-	shethington@tompsc.com
	Colleton County	Emergency Preparedness	-	843-549-5632	-
	Dorchester County	Emergency Services	-	843-832-0341	-
	Georgetown County	Emergency Management	-	843-545-3273	-
	Horry County	Emergency Management	-	843-915-5150	-
Jasper County	Emergency Services	-	843-726-7797	-	
SC Aquarium	-	Conservation	Albert George, Director	843-579-8563	ageorge@scaquarium.org
SC Sea Grant Consortium	-	-	Susannah Sheldon, Program Manager	843-953-2078	susannah.sheldon@scseagrant.org

State Agencies

Agency	Division	Topic	Point of Contact	Phone	Email	
SC Department of Archives and History	State Historic Preservation Office	National Historic Preservation Act Compliance, Section 106	John Sylvest, Project Review Coordinator	803-896-6129	jsylvest@scdah.sc.gov	
SC Department of Health and Environmental Control	Office of Environmental Quality Control	Emergency Response Section	To Report Chemical and Oil Spills	1-800-481-0125	-	
	Office of Ocean and Coastal Resource Management	Compliance and Enforcement Section	Sean Briggs, Manager	843-953-0128	briggssm@dhec.sc.gov	
		Coastal Services Division		Daniel Burger, Director	843-953-0251	burgerdj@dhec.sc.gov
				Will Salters, Project Manager, Planning	843-953-0258	salterwg@dhec.sc.gov
	Wetland Permitting and Certification	Blair Williams, Manager	843-953-0232	williabn@dhec.sc.gov		
SC Department of Natural Resources	Land, Water and Conservation Division	Divisional Information	-	803-734-9100	-	
	Law Enforcement Division	Conservation Law Violation	24-hour Hotline	1-800-922-5431	-	
		Region IV, Charleston Office	Cpt. Gentry Thames	843-953-9320	thamesg@dnr.sc.gov	
	Marine Resources Division	ACE Basin National Estuarine Research Reserve	Phil Maier, Director	843-953-9001	maierp@dnr.sc.gov	
Wildlife and Freshwater Fisheries Division	Divisional Information	-	803-734-3886	-		
SC Department of Transportation	Engineering Section	State Bridge Maintenance	Lee Floyd, Engineer	-	floydrl@scdot.org	
SC Emergency Management Division	Planning Section	Planning	Robert Burton, All Hazards Planning Manager	803-737-8587	rburton@emd.sc.gov	
	Operations Section	Operations Support	Melissa Potter, Chief of Logistics	-	mpotter@emd.sc.gov	
			Guy Gierhart, Logistics Manager	-	ggierhart@emd.sc.gov	
		Operations	Mike Russell, Chief of Operations	-	mrussell@emd.sc.gov	
	Recovery and Mitigation Section	Hazard Mitigation		Allen Fountain, State Hazard Mitigation Officer	-	afountain@emd.sc.gov
				Megan Wood, Mitigation Planner	-	mwood@emd.sc.gov
				Ryan Guerry, Hazard Mitigation Program Manager	-	rguerry@emd.sc.gov
			Charlotte Foster, PDM Specialist	-	cfoster@emd.sc.gov	
		Public Assistance	Brittany Kelly, Public Assistance Officer	-	bkelly@emd.sc.gov	
	Recovery Programs		Elizabeth Ryan, Chief of Recovery and Mitigation	-	eryan@emd.sc.gov	
		Sarah Pickhardt, Recovery Programs Manager	-	spickhardt@emd.sc.gov		

State Agencies Continued

Agency	Division	Topic	Point of Contact	Phone	Email
SC State Fiscal Accountability Authority	Division of Procurement Services	Office of State Engineer	John White, State Engineer	803-737-0786	jswhite@mmo.sc.gov
			Stan Gailey, Architect	803-737-0774	sgailey@mmo.sc.gov
			Perry Derrick, Structural Engineer	803-737-0518	pderrick@mmo.sc.gov
		Lyth Clark, Mechanical/Fire Protection Engineer	803-737-0767	lclark@mmo.sc.gov	
		ESF-3 Direct Line	-	803-737-8503	-
SC Ports Authority	-	Switchboard	-	843-723-8651	-
University of South Carolina	Belle W. Baruch Institute for Marine and Coastal Sciences	North Inlet-Winyah Bay National Estuarine Research Reserve	Wendy Allen, Reserve Manager	843-904-9026	wendy@belle.baruch.sc.edu
			Jennifer Plunket, Stewardship Coordinator	843-904-9033	jen@belle.baruch.sc.edu
	SC Institute of Archaeology and Anthropology	Maritime Research Division	Nathan Fulmer, Underwater Archaeologist	843-762-6105	fulmern@mailbox.sc.edu
		Technological, Logistical and Equipment Capabilities	Jim Spirek, State Underwater Archaeologist	803-576-6566	SpirekJ@mailbox.sc.edu

Federal Agencies

Agency	Division	Topic	Point of Contact	Phone	Email
Bureau of Safety and Environmental Enforcement (BSEE)	Marine Trash and Debris Program	Planning and coordination	James Sinclair, Marine Ecologist	504-736-2789	james.sinclair@bsee.gov
Federal Emergency Management Agency (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	david.lawson@fema.dhs.gov
		Technical expertise for removal operations and environmental, compliance and permitting expertise	Valerie Rhoads, Public Assistance Branch Chief	770-220-5618	valerie.rhoads@fema.dhs.gov
			Stephanie Madson, Region IV Environmental Officer	770-220-5387	stephanie.madson@fema.dhs.gov
National Oceanic and Atmospheric Administration (NOAA)	National Marine Fisheries Service (NMFS) or NOAA Fisheries	Emergency EFH Consultation	Ken Riley	252-728-8750	ken.riley@noaa.gov
		Emergency ESA Consultation	General Contact	727-824-5312	nmfs.ser.emergency.consult@noaa.gov
	NOS, ORR, Emergency Response Division	Potential to release oil or hazardous material	Bradford Benggio, USCG District 7 Scientific Support Coordinator (SSC)	305-530-7931	bradford.benggio@noaa.gov
	NOS, ORR, Marine Debris Division	Response capabilities and coordination	Sarah Latshaw, Southeast Regional Coordinator, Marine Debris Program	843-7401154 (O), 843-697-7416 (C)	sarah.latshaw@noaa.gov
	NOS, Office of Coast Survey	Navigation Response Teams	Kyle Ward, Southeast Regional Navigation Manager	843-740-1153	kyle.ward@noaa.gov
National Park Service (NPS)	National Sites	Fort Sumter National Monument	-	843-881-5516	-
		Charles Pinckney National Historic Site	-	843-883-3123	-
	Southeast Region	Ocean Programs	Catherine (Anna) Toline, Marine Scientist - Oceans Program Coordinator	843-518-1939	catherine_toline@nps.gov
Natural Resource Conservation Service (NRCS)	-	Emergency Watershed Protection (EWP) Program Information	Stephen T. Henry, Assistant State Conservation Engineer	803-765-5350	stephen.henry@sc.usda.gov

Federal Agencies Continued

Agency	Division	Topic	Point of Contact	Phone	Email
U.S. Army Corps of Engineers (USACE), Charleston District	Regulatory	Compliance and permitting expertise	Tommy Fennel, Chief Northeast Branch	843-365-1727	tommy.e.fennel@usace.army.mil
			Robin Socha	843-329-8167	robin.c.socha@usace.army.mil
			Courtney Stevens	843-329-8027	courtney.m.stevens@usace.army.mil
	Navigation	Federally maintained waterway or channel	Scott Glass	843-329-8144	scott.a.glass@usace.army.mil
	Emergency Management	Response capabilities	Michael Hind, Chief	843-329-8106	michael.b.hind@usace.army.mil
Emergency Management Division EOC		-	-	cesac-eoc2@usace.army.mil	
U.S. Coast Guard (USCG)	District 7, Sector Charleston	Potential to release oil or hazardous material	National Response Center (NRC)	1-800-424-8802	-
		Response capabilities	Dan Ferrell, CWO	843-740-7087	daniel.c.ferrell@uscg.mil
			Trevor Moser, MSTC	-	trevor.c.moser@uscg.mil
			LT Jeffrey Prebeck, Chief Incident Management	843-740-3182	jeffrey.m.prebeck@uscg.mil
			LT John Downing, Chief Waterways Management	843-740-3184	john.z.downing@uscg.mil
U.S. Environmental Protection Agency (EPA)	Region IV	Potential to release oil or hazardous substance	National Response Center (NRC)	800-424-8802	-
		Planning and coordination	Terry Stilman, ESF-10 On Scene Coordinator	-	stillman.terry@epa.gov
			Gary Andrew, RRT IV and ESF-10 Coordinator	678-733-1621	andrew.gary@epa.gov
		Capability contact	EPA Region IV Duty Officer	404-562-8700	-
U.S. Fish and Wildlife Service (USFWS)	National Wildlife Refuges	SC Lowcountry Refuge Complex	-	843-928-3264	-
		Savannah Coastal Office	-	843-784-2468	-
	Ecological Services Program	Compliance and permitting expertise	Mark Caldwell, Deputy Field Supervisor	843-727-4707 x 215	mark_caldwell@fws.gov
		Public Affairs	Jennifer Koches, Public Affairs Specialist	843-727-4707 x 214	jennifer_koches@fws.gov



Wilbur L. Ross, Jr.
United States Secretary of Commerce

RDML Tim Gallaudet, Ph.D., USN Ret.
Assistant Secretary of Commerce for Oceans and Atmosphere and
Acting Under Secretary of Commerce for Oceans and Atmosphere

W. Russell Callender, Ph.D.
Assistant Administrator for Ocean Services
and Coastal Zone Management