Endangered Species MOA Between U.S. Coast Guard; U.S. Environmental Protection Agency; National Oceanic and Atmospheric Administration; and U.S. Dept. of Interior For Spill Response



LUND @ www.davegranlund.com



First a Disclaimer, Endangered Species are NOT the Only Trustee Resource

Other Trustee Resources Are:

Government Managed Lands, Refuges, National Parks, etc, including military bases, (DOD is a Natural Resource Trustee on their lands).

Migratory birds, marine mammals, anadromous "fish" (river shrimps in the tropics, etc)

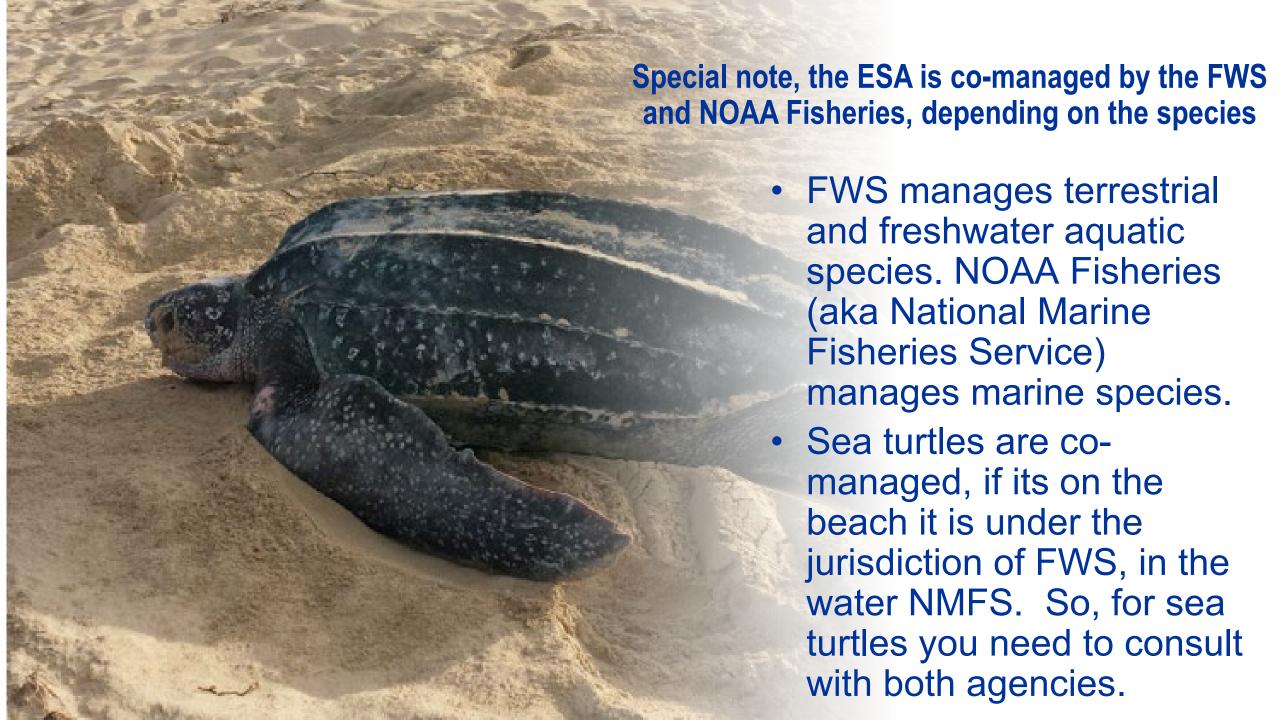
and their supporting ecosystems.

State, Commonwealth or Territorial natural resources

Historic or Cultural sites (SHPO sec 106)



U.S. Department of the Interior



Why Consult
Under the ESA,
First, IT's THE
LAW...ITS
MANDATED by
FEDERAL
REGULATION

Each Federal agency shall, in consultation with and with the assistance of the Secretary, ensure that any action authorized, funded, or carried out by such agency (here in after in this section referred to as an "agency action") is not likely to jeopardize the continued existence of any endangered species or threatened species or result in the destruction or adverse modification of habitat of such species which is determined by the Secretary.

"An action means all activities or programs of any kind authorized, funded, or carried out, in whole or in part, by federal agencies in the United States or upon the high seas." (50 CFR 402.02)

The MOA

In 2001, the Coast Guard and EPA developed and signed with the Inter-Agency Memorandum of Agreement Regarding Oil Spill Planning and Response Activities Under the Federal Water Pollution Control Act's National Oil and Hazardous Substances Pollution Contingency Plan and the Endangered Species Act with NOAA and DOI.



The MOA Process

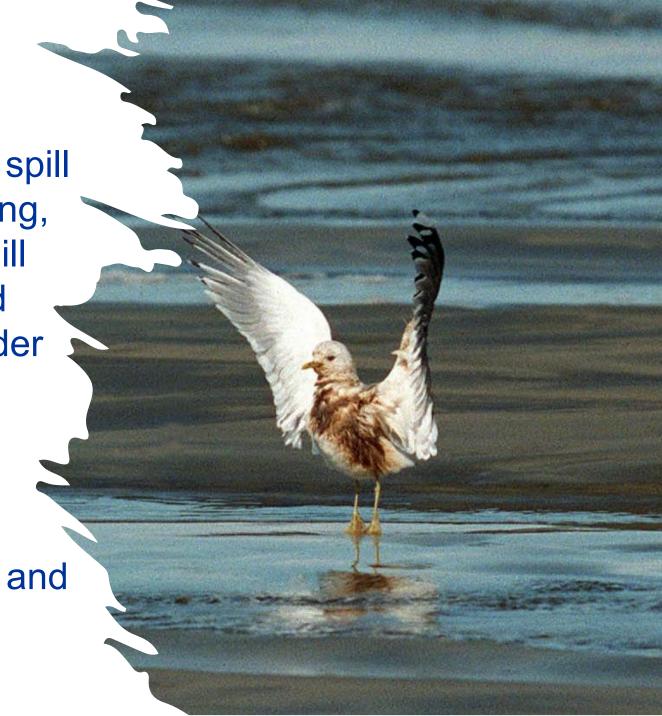
The Services have determined that oil spill response actions qualify as an emergency action. During a spill, ESA consultation is conducted as Emergency Consultation in accordance with the National Contingency Plan (NCP).

- Emergency Consultation: Is considered informal, consultation may be conducted informally through alternative procedures that the Director determines (50 CFR § 402.05).
- The MOA is that alternative procedure which provides the structure for the process. The MOA coordinates the consultation requirements specified in the ESA regulations, 50 CFR 402, with the pollution response responsibilities outlined in the NCP, 40 CFR 300.

The MOA

 It addresses all three phases of oil spill response activities: pre-spill planning, spill response actions, and post-spill activities. It identifies the roles and responsibilities of each agency under each activity and calls for active participation of the Services.

 The goal of this agreement is to engage in informal consultation wherever possible during planning and response.



PRE-SPILL PLANNING

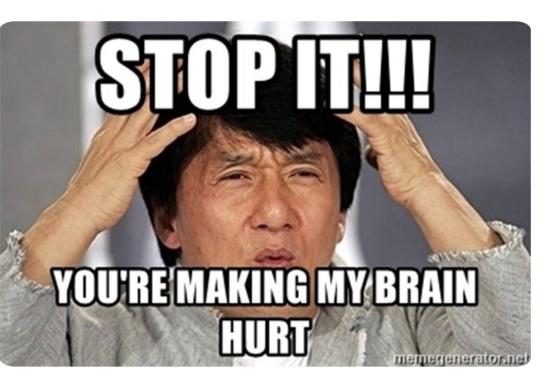
- While the drafting Area or Regional Contingency Plans themselves may not result in effects to listed species, actions implemented under the plans may. It is essential that the Coast Guard or EPA Area Planning Committee and USFWS and NMFS engage during the planning process while developing or modifying contingency plans and response strategies.
- By consulting on the anticipated effects prior to implementing response actions, decisions can be made rapidly during the spill, harm from response actions can be minimized, and implementation of response strategies specifically designed to protect listed species and critical habitat can be achieved. During this phase, this can be conducted as formal or informal consultation depending on the effects determinations for response actions.

PRE-SPILL PLANNING

The Area Committee chair should request technical assistance from the Services and the Services should **designate** a listed species expert or Section 7 practitioner to assist the Committee. The Services **will** reply orally within 30 days and in writing within 60 days, MOA Section V, A(2).

The Planning Process in itself can constitute informal consultation which could lead to formal consultation if needed. The end result needs to be translated into practical response options, BMPs, etc., to minimize adverse effects to species.

OIL SPILL RESPONSE



Emergency consultation procedures allow the Federal On Scene Coordinator (FOSC) to incorporate listed species and critical habitat concerns into response actions. The consultation only addresses the effects of the response actions to listed species and critical habitat, not the effects of the spilled product (that is a NRDA issue).

The Services shall provide the FOSC with **timely recommendations** to avoid and/or minimize impacts to listed species. The Services may, be asked by the FOSC to participate within the Incident Command. It is the responsibility of both the FOSC and the Services' representatives to maintain a record of written and oral communications during the oil spill response. If you're in the ICS it's your daily report or 214.

OIL SPILL RESPONSE

- USFWS and/or NMFS biologists at the Incident Command may be asked to oversee and be responsible for the gathering of the required species and critical habitat information for consultation purposes.
- The Services will continue to offer recommendations, taking into account any response changes, to avoid and minimize the potential for adverse effects to listed species and critical habitat. "Rolling Sec 7 Consultation".
- Develop BMPs, monitor/modify BMP or response actions as appropriate.
- The Service's policy is to assist the FOSC with their ESA compliance issues during an emergency response, but never delay the necessary response actions.

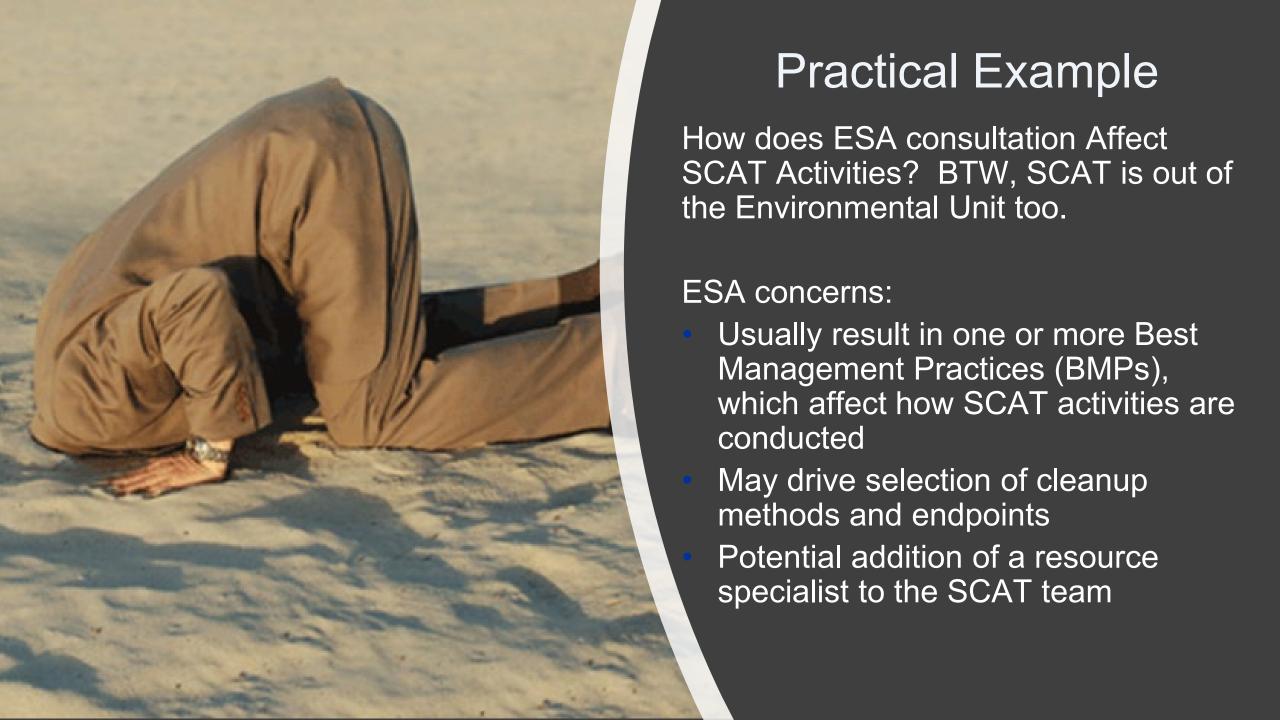
When Do You Stop Consultation

The emergency continues until removal operations are completed and the case is closed. The FOSC will continue to conduct emergency consultations, if needed, until the emergency is over, and the case is closed. NPFC has recognized that funding may have to continue after response actions have ceased if formal consultation is triggered.

Where Does All This Consultation Stuff Take Place ??

The new USCG Incident Management Handbook (IMH), states, the NOAA Scientific Support Coordinator will facilitate the ESA 7 consultation process with other agencies, but where ?? At the empty table in the back? In the hallway? Talking on 3 cellphones?

No, at the Planning Section, Environmental Unit .. The Environmental Unit Leader along with his technical specialists including ESA specialists... Identify the need for and obtain permits, consultations, and other authorizations, including Endangered Species Act (ESA) provisions. The ENVL is a very busy person.



Reality Check

Is this the way it is working ??? How many FWS/NMFS field offices know that the MOA exists. For that matter USCG or EPA OSCs. Has anyone read it recently.

Maybe, Coast Guard and EPA when requesting for Service technical assistance or participation should start off by citing the MOA (as a reminder that there is an established agreement and process) because it is the means by which compliance with section 7(a)(2) of the Endangered Species Act is achieved for Oil and Hazmat.



But what about NRDA.....

As per the 2001 MOA, every effort shall be made to ensure that relevant information generated as part of the consultation process is made available for use in the Natural Resource Damage Assessment (NRDA) process.



POST RESPONSE

The impacts of the response activities on listed species and critical habitat will be jointly evaluated by the FOSC and the Services. If no adverse effects (take) occurred, consultation is finalized. EPA and Coast Guard ensure that the lessons learned and BMPs are recorded for future spill response and ensure that the ACP is modified accordingly. Different from 50 CFR § 402.05 - Emergencies

Formal consultation is initiated **only** if adverse effects (take) to a species or critical habitat occurred despite incorporating any requirements developed in consultation with the Service(s) during response. The resulting after-the-fact Biological Opinion should be included in the lessons learned by the FOSC and ACP.





To Sum Up The ESA MOA

- Developed jointly with NOAA, FWS, NMFS, EPA and USCG.
- The MOA provides a framework and guidance for cooperation and participation among the ESA Trustees (FWS & NMFS) in oil spill planning and response

- It calls for active cooperation with FWS and NMFS in pre spill planning such as ACPs, etc
- The MOA does not limit the authority of the FOSC nor is it meant to stop the response
- Safety of human life continues to be the top priority during every response

- During a Spill, all response actions are considered emergency consultations,
 Service(s) document all communication with FOSC
- Although not directly stated, the Service technical specialists are to help the FOSC in making an ESA effects determination, which may require an SE Resources at Risk Specialist (RAR/SE, my invention) in the Environmental Unit.
- Formal consultation is required post emergency only if adverse effects (i.e. take, damage or adverse modification) occurred to species or designated critical habitat.
- Always remember, the term Formal Consultation has a specific meaning under the ESA, do not use it unless adverse effects (i.e. Take) have occurred.



There's Even a Guidebook

Inter-agency Memorandum of Agreement Regarding Oil Spill Planning and Response Activities Under the Federal Water Pollution Control Act's National Oil and Hazardous Substances Pollution Contingency Plan and the Endangered Species Act

> A Guidebook Version 2002



United States Coast Guard





United States Environmental Protection Agency



Department of the Interior's Fish and Wildlife Service



National Oceanic and Atmospheric Administration's National Marine Fisheries Service



National Oceanic and Atmospheric Administration's National Ocean Service



Department of the Interior



Everyone's Got Their Own Guide

Inter-agency Memorandum of Agreement Regarding Oil Spill Planning and Response Activities Under the Federal Water Pollution Control Act's National Oil and Hazardous Substances Pollution Contingency Plan and the Endangered Species Act

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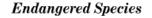
National Oceanic and Atmospheric Administration's National Marine Fisheries Service



National Oceanic and Atmospheric Administration's National Ocean Service

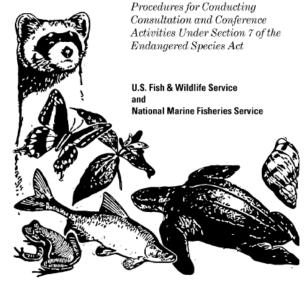








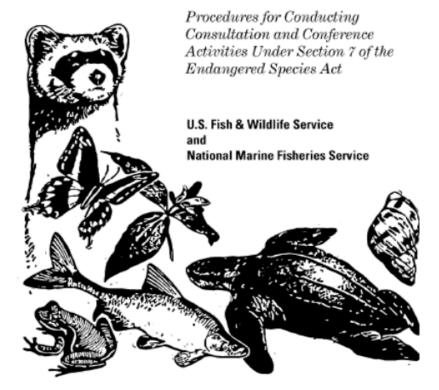
Consultation Handbook



March 1998 Final



Consultation Handbook



March 1998 Final This one is used by the Services for Sec 7 Consultation. It covers all aspects including Emergency Consultation (chapter 8).

But it is not oil spill specific, it does not mention the 2001 MOA or the agency roles in the event of a spill.

This is the FWS and NMFS Sec 7 practitioners' book, but not practical for spills, and some of its content is dated because of changes in ESA regulations since its publication.



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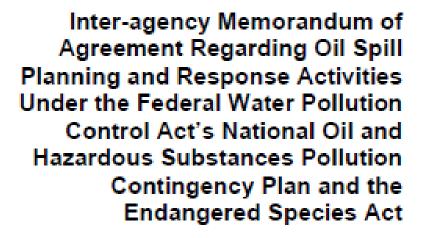
This is the MOA guidebook, it outlines very well how ESA consultation is carried out for oil spills under the existing MOA, the NCP and ESA.

This guide also covers where the Services fit into Spill response and planning, ICS, etc. It's a complete guide for spill related ESA consultation.

It refers back to the Sec 7 handbook as

needed.





A Guidebook Version 2002



United States Coast Guard





United States Environmental Protection Agency



Department of the Interior's Fish and Wildlife Service



National Oceanic and Atmospheric Administration's National Marine Fisheries Service



National Oceanic and Atmospheric Administration's National Oceani



Department of the Interior



How Easy or Difficult Can Emergency Sec 7 Be In a Response?

Depends on how difficult the Services want to make it. In the Caribbean, we came up with a form. The form is filled out with an effects determination for the response actions and the Service(s) can concur and send it back. RRT 6 has a similar form, based off the CRRT form, RRT 4 has no form.

Species and/or Critical Habitat	CH Unit (if applicable)	Location (Sea turtles and Gulf Sturgeon only)	Determinations (see definitions below)	For "No Effect," please select justification.	
Select a species or critical habitat		Select location	Select a determination	Select most appropriate	
Select a species or critical habitat		Select location	Select a determination	Select most appropriate	
Select a species or critical habitat		Select location	Select a determination	Select most appropriate	
Select a species or critical habitat		Select location	Select a determination	Select most appropriate	
Select a species or critical habitat		Select location	Select a determination	Select most appropriate	
Select a species or critical habitat		Select location	Select a determination	Select most appropriate	
Select a species or critical habitat		Select location	Select a determination	Select most appropriate	
Select a species or critical habitat		Select location	Select a determination	Select most appropriate	

CRRT Emergency Consultation Threatened and Endangered Species Checklist (see Appendix A for sources of information)

SPECIES	Occurs in response area	RESPONSE: Likely to Adversely Affect	RESPONSE: Not Likely to Adversely Affect	Service Response	AGENCY
Loggerhead sea turtle					NMFS/USFWS*
Green sea turtle					NMFS/USFWS*
Leatherback sea turtle					NMFS/USFWS*
Hawksbill sea turtle					NMFS/USFWS*
Nassau grouper					NMFS
Elkhorn coral					NMFS
Staghorn coral					NMFS
Pillar coral					NMFS
Lobed star coral					NMFS
Mountainous star coral					NMFS

In the Pacific NW they have a Programmatic Biological Opinion.

- Programmatic BO's are a recommended path forward in the MOA. But it can be a heavy lift in terms of writing and coordination, like the 400 page plus document Region 9 (RRT X) developed.
- However, EPA and the Coast Guard will still need FWS help in interpreting this BO and implementing its conservation measures. Do not expect EPA or USCG FOSC's to read this.
- What ever the process it is a means to an end, how to deal with listed species during spill response.

More Information on the ESA MOA Can be Found on The National Response Team Website.

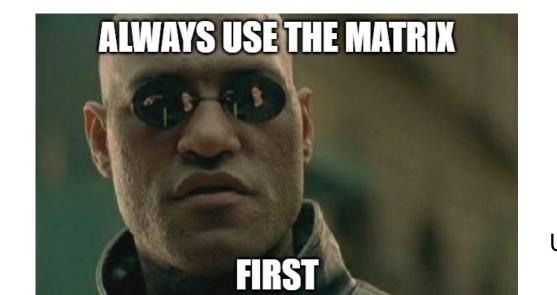


NRT.org, your site for all things oil and hazmat related, and where the MOA information resides. Including that 4 hour death by power point presentation that was initially developed, with no pictures!! But it also includes sample letters and other information, a lot of effort was put into developing these tools.





The NRT has developed the Response Action Matrix, which pairs response actions, and their potential impacts on threatened and endangered species and designated critical habitat. This was done jointly with FWS and NMFS at the NRT level, it's an excellent way to start evaluating proposed actions in Area Contingency plans and have prespill consultation and proposed conservation measures.



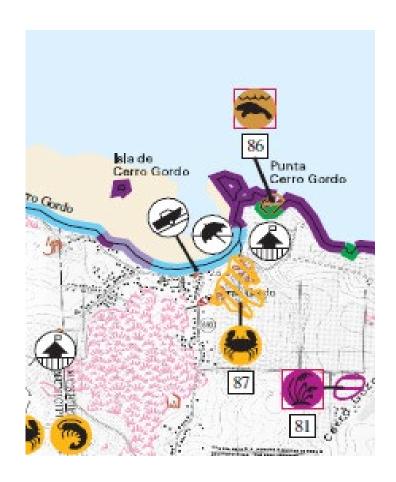


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· FSA Consultation or	Pre-Spill Planning - Response Tool Template							
	Tre spin riaming response root template							
Version: 11 May 2017 Spill response activity Note: This column lich the most common activities performed during spill response and receiving operations (i.e., those actions that are federally funded, authorized, or carried out). Artivities lared in this column may need to be modified based on regional practices.	Definition None: This column provides a detailed explanation of the oil quill response activity. Any pre- established conservation measures carried out with the specific split response activity (as prescribed in Regional or Area Contingency Plans) should be included as part of the definition as applicable.	Typical locations in the action area where the response activity is implemented. Note: The following locations were used: 13 Shareline (beach, fund; 2) Ports, Canals, industrial Annes (Shareline (-1894); 4) Castal Nearchore (-1894); 4) Castal Officiore (-1894); 5) Bioser and Shareline (-1894); 5) Bioser and Shareline (-1894); 6) Bioser and Shareline (-1894); 6	feasibility of potential conservation measures.	Discussion questions/ Considerations Note: These are questions or discussion points that may be considered during consultation; the answers to these questions are not. The questions help bring to light unknown, highly variable disastion. The questions help bring to light unknown, highly variable disastion, problem otherwise, and assumptions or parameters of the activity or details of the use (scale, time, duration, volume, personnel, application, methods).	Potential inter-related and inter-dependent response activities. Mote: in a spill response, come activities are other used in conjunction with other to affect an efficie an efficie and coordinated response. The activities listed below are commonly used with the response activity listed in column. A Each of the inter-related or inter-dependent activities listed is also defined with this must be.	are in scope of consultation Note: This column denotes the specific characteristic or feature of the response activity that may cause concern for T&E species.	Potential impacts considered on ESA-listed species or their habitat Note: This column describes potential described industry impacts from the response activity that should be considered in an effect analysis for a "Mit species, thickades physical, chemical, and/or biological exposure counter.	General groups of species that may be affected. Note: The general groups of species listed below are intended to give an idea of what types of species may be affected by the response activities. Specific the retermine of modargered species or the babitat that may be affected by a specific separately will be determined and have dupon the defined geographic stope of the action planning area and implementation of \$2 genes for terming. Took developed by and completed with assistance from the Gendusc.
4 PRIMARY AND SUPPORT 5 Deflection and containment is Booming 6	RESPONSE ACTIVITIES - activities or supporting activities used to locate, attivities A boom specifically designed for pollution response is a floating, physical barrier, placed on the water to contain, divert, deflect, or eachder oil. Containment is deploying a boom to contain and concentrate the oil until it can be removed. Deflection is moving oil away from sensitive areas. Diversion is moving oil toward recovery sites that have slower flow, better access, etc. Exclusion is placing boom to prevent oil from reaching sensitive areas. Booms must be properly deployed and maintained (including removing accumulated debria), and re-adjusted to changing water flow directions, water levels, and severe conditions. Proper deployment involves use of mooring systems (e.g., enchors, land lines) and skilled teams. Tidal-seal boom is a special type of boom designed to be deployed in the intertibal zone (NDAA, 2020). Boom has four basic components: floatation, skirt, tension members, and ballist. Prevboard and draft are the portions of a boom's floatation and skirt above and believe the waterline, respectively. In terms of quantity, regulations require vessel and facility response plan holders to have a specific amount of boom available for shoreline protection purposes for maximum on the second state of the second st	Shoreline; Ports, Canals, Industrial Areas; Coastal Nearshore (<3NM); Coastal Offshore (>3NM-EZ); Rivers and Streams (niand); Beys and Estuaries Ponds and Iskes (Inland); Mangroves; Wetlands; Upland Areas	Less effective in rough water. Less effective in high winds. Less effective in fast currents. Weather effects booming (e.g., booms begin to fail by entrainment when the effective current or towing speed	What type of boom will be used? (There are four basic types - internal foam flotation, self-inflating, pressure-	Use of Steging Areas Skimming Sorbents		of benthic habitat/ organisms by anchors or acchor chain; entanglement in lines. Exposure of penching birds or marine mammals to offed	Wildlife disturbance from presence of people/boom at the coast - small beach and salt marsh mammals, beach insacts, neating birds, hauled out marine mammals, see turties, enadromous fish. foot/machinery-traffic on land (crushing) coastal plants, salt marsh and beach/dun plants, neating see turties, marine mammals (seels and see lions), anadromous fish. Securing boom/chain/lines (habitot disturbance and entanglement) - corel, abelone, small marine marmals, larger fish, see turties, anadromous fish. Exposure to apprepared oil/oiled boom - weding/perching birds, coastal fish, see turties, surfecting marine mammals, see turties.

Where to find Species Information

ESI Maps, yeah, remember those. Great for coastal spills, tons of info at a glance.



FWS IPaC, useful for inland spills, provides a list of known **ESA** species within an action area. But not all species that could potentially be impacted.

U.S. Fish & Wildlife Service

FWS Spill Class

IPaC Trust Resources Report

Generated October 24, 2016 10:51 AM MDT. IPaC v3.0.9

This report is for informational purposes only and should not be used for planning or analyzing project level impacts. For project reviews that require U.S. Fish & Wildlife Service review or concurrence, please return to the IPaC website and request an official species list from the Regulatory Documents page.



IPaC - Information for Planning and Conservation (https://ecos.fws.gov/ipac/): A project planning tool to h streamline the U.S. Fish & Wildlife Service environmental review process.



FWS IPaC

Big Spill, kills everything



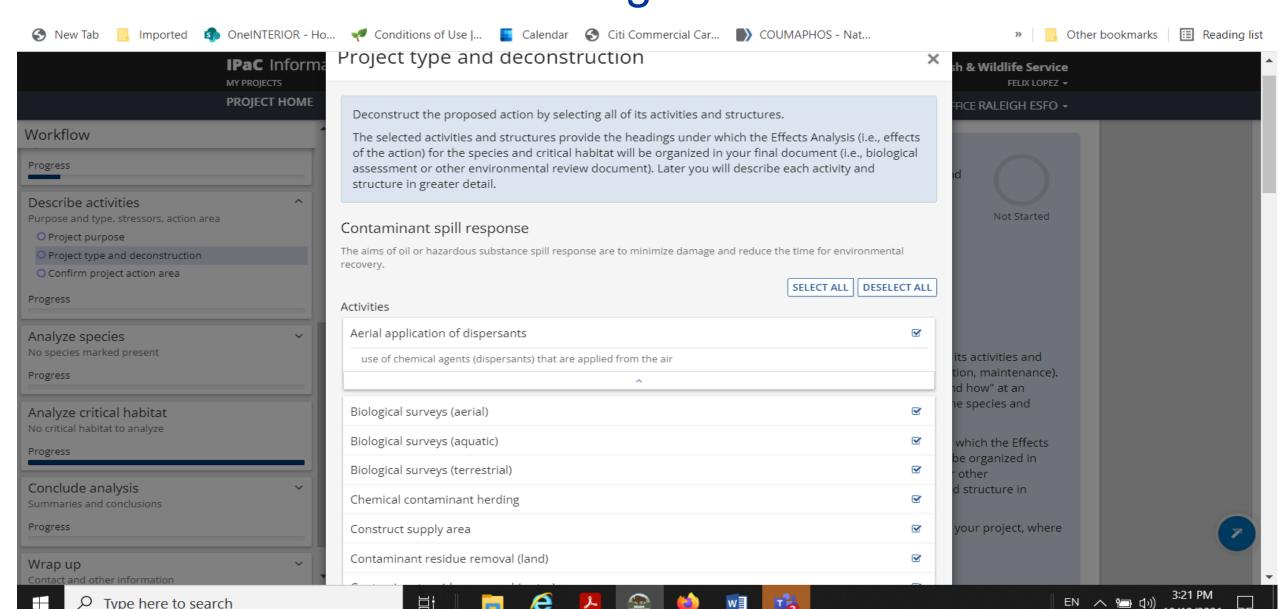
Resources

- •This project potentially impacts 110 resources managed or regulated by the U.S. Fish and Wildlife Service.
- •15 endangered species
- •25 migratory birds
- •1 marine mammal
- •Refuge and fish hatchery information is not available at this time
- •Known wetlands
- •Raleigh Ecological Services Field Office
- (919) 856-4520
- (919) 856-4556
- MAILING ADDRESS
- •Post Office Box 33726
- •Raleigh, NC 27636-3726
- •PHYSICAL ADDRESS
- •551 Pylon Drive, Suite F
- •Raleigh, NC 27606-1487



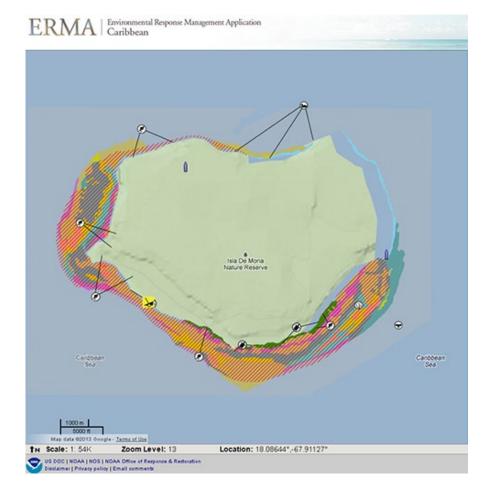
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IPaC Spill Consultation Package Module, Work in Progress



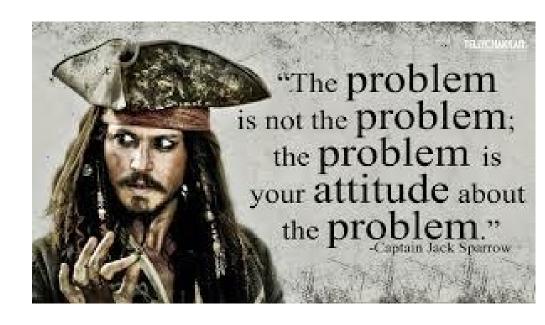
And Then There is ERMA

- The Environmental Response Management Application (ERMA®) is an online mapping tool that integrates both static and real-time data, such as Environmental Sensitivity Index (ESI) maps, ship locations, weather, and ocean currents, in a centralized, easy-to-use format for environmental responders and natural resource decision makers.
- ERMA can also pull in FWS IPaC and other data bases.



Remember....

- Sec. 7 consultation is not that complicated. There is a standing MOA to help with the process, there's even a guidebook that covers everything you want to know about spill response, Sec 7 consultation and the MOA.
- Coast Guard and EPA communication with the Services should cite the MOA as a reminder that it exists. Always use it as your frame of reference.
- Facilitate, do not impede
- Help, do not hinder



But Wait, There's More.....

(tipping hat to NOAAs webinar Series).

I am The Lorax, I speak for the trees.

