

# Region 3 Inland Area Committee Meeting

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TUESDAY, NOVEMBER 14, 2017

# Welcome, Opening Remarks, & Introductions

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Debbie Lindsey – RRT3 Inland Area  
Committee Chair

# Changes to EPA OSC Sub-Area Assignments

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- 2 Subarea Leads Retired
  - South Central PA – Greg Ham
  - Northwest PA – Vince Zenone
- 3 New Subarea Leads
- New Deputy and Alternate FOSCs

## EPA Region III IAC FOSC Assignments

Volume	Jurisdiction		FOSC	Deputy FOSC	Alternate FOSC	Alternate FOSC
	State	Local				
<b>I</b>	<b>Region 3 Inland Area Committee</b>		<b>Deborah Lindsey</b> <b>(304) 234-0249</b> <b>(304) 281-2569 (c)</b>	Melissa Linden (215) 814-3263 (215) 280-0973 (c)	Ann DiDonato (215) 814-3311 (215) 287-8157 (c)	Chris Wagner (804) 698-4164 (804) 337-3049 (c)
	Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia					
	United States Coast Guard (USCG) - USCGD5: Sector Delaware Bay, Sector Maryland and the National Capitol Region, Sector Hampton Roads; USCGD8: Sector Ohio Valley, MSU Pittsburgh, MSU Huntington; USCGD9: Sector Buffalo					
	Agency for Toxic Substances and Disease Registry (ATSDR), Department of Homeland Security (DHS), Department of Commerce (DOC), Department of Defence (DOD), Department of the Interior (DOI), Department of Justice (DOJ), Department of Labor (DOL), Federal Bureau of Investigation (FBI), Federal Emergency Management Agency (FEMA), Health and Human Services (HHS) National Oceanographic and Atmospheric Administration (NOAA), Occupational Safety and Health Administration (OSHA)					
<b>II</b>	<b>Washington DC Extended</b>		<b>Charlie Fitzsimmons</b> <b>(410) 305-3027</b> <b>(443) 223-9774 (c)</b>	Rich Rupert (215) 814-3463 (215) 514-8773 (c)	Don McLaughlin (540) 686-4670 (215) 316-0280 (c)	
	<b>USCG</b>	USCGD5: Sector Maryland and the National Capitol Region (Maryland) and Sector Hampton Roads (Virginia)				
	<b>Maryland</b>	Charles, Calvert, Frederick, Montgomery, Prince Georges, and St. Marys				
	<b>Virginia</b>	Alexandria, Arlington, Culpeper, Fairfax, Fairfax (City), Falls Church, Fauquier, Fredericksburg (City), Greene, King George, Loudoun, Madison, Manassas, Manassas Park, Northumberland, Orange, Prince William, Rappahannock, Spotsylvania, Stafford, and Westmoreland				
<b>III</b>	<b>Southeast PA/DE</b>		<b>Jack Kelly</b> <b>(215) 814-3112</b> <b>(215) 514-6792 (c)</b>	Glen Lapsley (215) 814-3279 (215) 514-9793 (c)	Eduardo Rovira (215) 814-3436 (215) 514-6887 (c)	Mike Towle (215) 814-3272 (215) 287-2443 (c)
	<b>USCG</b>	USCGD5: Sector Delaware Bay				
	<b>Pennsylvania</b>	Bucks, Chester, Delaware, Montgomery, and Philadelphia				
	<b>Delaware</b>	Kent, New Castle, Sussex, and Wilmington (City)				
<b>IV</b>	<b>Northeast PA</b>		<b>Dom Ventura</b> <b>(215) 814-3267</b> <b>(215) 756-7977 (c)</b>	Myles Bartos (215) 814-3342 (215) 266-7568 (c)	Rich Rupert (215) 814-3463 (215) 514-8773 (c)	Kelley Chase (215) 814-3124 (267) 273-8859 (c)
	<b>USCG</b>	USCGD5: Sector Delaware Bay				
	<b>Pennsylvania</b>	Carbon, Lackawanna, Lehigh, Luzerne, Monroe, Northampton, Pike, Schuylkill, Susquehanna, Wayne, and Wyoming				

## EPA Region III IAC FOSC Assignments

Volume	Jurisdiction		FOSC	Deputy FOSC	Alternate FOSC	Alternate FOSC
	State	Local				
V	Southcentral PA		Melissa Linden (215) 814-3263 (215) 280-0973 (c)	Todd Richardson (215) 814-5264 (215) 779-4592 (c)	Raj Sharma (215) 814-3260 (215) 514-8620 (c)	Glen Lapsley (215) 814-3279 (215) 514-9793 (c)
	USCG	USCGD5: Sector Delaware Bay				
	Pennsylvania	Adams, Bedford, Berks, Blair, Cumberland, Dauphin, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Mifflin, Perry, and York				
VI	Northcentral PA		Ann DiDonato (215) 814-3311 (215) 287-8157 (c)	Stephanie Wenning (215) 814-3186 (215) 687-2958 (c)	Jack Kelly (215) 814-3112 (215) 514-6792 (c)	
	USCG	USCGD5: Sector Delaware Bay				
	Pennsylvania	Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Lycoming, Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, and Union				
VII	Southwest PA/Wheeling, WV		Deborah Lindsey (304) 234-0249 (304) 281-2569 (c)	Dennis Matlock (304) 234-0284 (304) 280-7500 (c)	Rich Rupert (215) 814-3463 (215) 514-8773 (c)	Ruth Scharr (410) 305-2633 (215) 756-7897 (c)
	USCG	USCGD8: MSU Pittsburgh and Sector Ohio Valley				
	Pennsylvania	Allegheny, Armstrong, Beaver, Cambria, Fayette, Greene, Indiana, Somerset, Washington, and Westmoreland				
	West Virginia	Brooke, Hancock, Marshall, Ohio, and Wetzel				
VIII	Northwest PA		Christopher Guzzetti (215) 814-5261 (215) 370-4245 (c)	Ann DiDonato (215) 814-3311 (215) 287-8157 (c)	Mike Towle (215) 814-3272 (215) 287-2443 (c)	Eugene Dennis (215) 814-3202 (215) 287-0571 (c)
	USCG	USCGD9: Sector Buffalo; USCGD5: MSU Pittsburgh				
	Pennsylvania	Butler, Clarion, Crawford, Elk, Erie, Forest, Jefferson, Lawrence, McKean, Mercer, Venango, and Warren				
IX	Huntington/Central WV		Dennis Matlock (304) 234-0284 (304) 280-7500 (c)	Mike Towle (215) 814-3272 (215) 287-2443 (c)	Deborah Lindsey (304) 234-0249 (304) 281-2569 (c)	
	USCG	USCGD8: MSU Huntington and Sector Ohio Valley				
	West Virginia	Boone, Braxton, Cabell, Calhoun, Doddridge, Gilmer, Jackson, Kanawha, Lincoln, Logan, Mason, Mingo, Pleasants, Putnam, Ritchie, Roane, Tyler, Wayne, Wirt, and Wood				

## EPA Region III IAC FOSC Assignments

Volume	Jurisdiction		FOSC	Deputy FOSC	Alternate FOSC	Alternate FOSC
	State	Local				
X	Shenandoah Valley		<b>Don McLaughlin</b> (540) 686-4670 (215) 316-0280 (c)	Melissa Linden (215) 814-3263 (215) 280-0973 (c)	Charlie Fitzsimmons (410) 305-3027 (443) 223-9774 (c)	
	USCG	USCGD8: Sector Ohio Valley (West Virginia); USCGD5: Sector Maryland and the National Capitol Region (Maryland) and Sector Hampton Roads (Virginia)				
	Maryland	Allegany, Garret, and Washington				
	Virginia	Albemarle, Augusta, Buckingham, Charlottesville (City), Clarke, Fluvanna, Frederick, Highland, Nelson, Page, Rockingham, Shenandoah, Staunton (City), Warren, Waynesboro (City), and Winchester (City)				
	West Virginia	Berkeley, Grant, Hampshire, Hardy, Jefferson, Mineral, Morgan, and Pendleton				
XI	Upper Chesapeake		<b>Kelley Chase</b> (215) 814-3124 (267) 273-8859 (c)	Eugene Dennis (215) 814-3202 (215) 287-0571 (c)	Ruth Scharr (410) 305-2633 (215) 756-7897 (c)	Eduardo Rovira (215) 814-3436 (215) 514-6887 (c)
	USCG	USCGD5: Sector Maryland and the National Capitol Region				
	Maryland:	Anne Arundel, Baltimore City, Baltimore, Caroline, Carroll, Cecil, Dorchester, Harford, Howard, Kent, Queen Annes, Somerset, Talbot, Wicomico, and Worcester				
XII	Southeast VA		<b>Chris Wagner</b> (804) 698-4164 (804) 337-3049 (c)	Ruth Scharr (410) 305-2633 (215) 756-7897 (c)	Melissa Linden (215) 814-3263 (215) 280-0973 (c)	Don McLaughlin (540) 686-4670 (215) 316-0280 (c)
	USCG	USCGD5: Sector Hampton Roads				
	Virginia:	Accomack, Amelia, Brunswick, Caroline, Charles County City, Charlotte, Chesapeake (City), Chesterfield, Colonial Heights (City), Cumberland, Dinwiddie, Emporia (City), Essex, Franklin (City), Gloucester, Goochland, Greensville, Halifax, Hampton, Hanover, Henrico, Hopewell (City), Isle of Wight, James City, King & Queen, King William, Lancaster, Louisa, Lunenburg, Mathews, Mecklenburg, Middlesex, New Kent, Newport News (City), Norfolk (City), Northampton, Nottoway, Petersburg (City), Poquoson (City), Portsmouth (City), Powhatan, Prince Edward, Prince George, Richmond, Southampton, South Boston (City), Suffolk (City), Surry, Sussex, Virginia Beach (City), Williamsburg (City), and York				
XIII	Southcentral VA		<b>Myles Bartos</b> (215) 814-3342 (215) 266-7568 (c)	Dom Ventura (215) 814-3267 (215) 756-7977 (c)	Stephanie Wenning (215) 814-3186 (215) 687-2958 (c)	
	USCG	USCGD5: Sector Hampton Roads				
	Virginia	Alleghany, Amherst, Appomattox, Bath, Bedford, Bedford City, Botetourt, Buena Vista (City), <sup>4</sup> Campbell, Clifton Forge (City), Covington (City), Craig, Danville (City), Franklin, Henry, Lexington (City), Lynchburg (City), Martinsville (City), Patrick, Pittsylvania, Roanoke, Roanoke City, Rockbridge, and Salem (City)				

## EPA Region III IAC FOSC Assignments

Volume	Jurisdiction		FOSC	Deputy FOSC	Alternate FOSC	Alternate FOSC
	State	Local				
XIV	Northcentral WV		Raj Sharma (215) 814-3260 (215) 514-8620 (c)	Dennis Matlock (304) 234-0284 (304) 280-7500 (c)	Ruth Scharr (410) 305-2633 (215) 756-7897 (c)	Deborah Lindsey (304) 234-0249 (304) 281-2569 (c)
	USCG	USCGD8: Sector Ohio Valley; USCGD5: MSU Pittsburgh				
	West Virginia	Barbour, Harrison, Lewis, Marion, Monogalia, Preston, Randolph, Taylor, Tucker, and Upshur				
XV	Southwest VAWV		Stephanie Wenning (215) 814-3186 (215) 687-2958 (c)	Ruth Scharr (410) 305-2633 (215) 756-7897 (c)	Myles Bartos (215) 814-3342 (215) 266-7568 (c)	Chris Wagner (804) 698-4164 (804) 337-3049 (c)
	USCG	USCGD8: Sector Ohio Valley (West Virginia); USCGD5: Sector Hampton Roads (Virginia)				
	West Virginia	Clay, Fayette, Greenbrier, McDowell, Mercer, Monroe, Nicholas, Pocahontas, Raleigh, Summers, Webster, and Wyoming				
	Virginia	Bland, Bristol (City), Buchanan, Carroll, Dickenson, Floyd, Galax (City), Giles, Grayson, Lee, Montgomery, Norton (City), Pulaski, Radford (City), Russell, Scott, Smyth, Tazewell, Washington, Wise, and Wythe				

**Sub-Area FOSC Leads** are to be knowledgeable regarding the State and Local officials and major activities and sites in the sub-area. They should be attending various meetings where those officials attend, so they get to know an EPA FOSC and what EPA can bring to the table. They should also be assisting in the preparation, review and maintenance of the Region's IACP and generating any sub-area plan (which is part of the IACP). Finally, they should be the lead in handling any needed spill report follow-up you deem necessary. This means either performing the follow-up themselves or ensuring that their Deputy does, or there is a process for follow-up to occur.

**Sub-Area Deputy FOSCs** should generally be as up-to-speed as the Lead, or be working toward that goal. They should be identified to the State and Local officials as the Deputy. Should the Lead not be available, they would be the next person to go to regarding sub-area information, etc. To keep the work spread across the FOSCs and to not overwhelm any one FOSC, a Lead FOSC should only be a Deputy in one other sub-area. In particular, the Deputy needs to handle any spill report follow-up, should the Lead not be available. The Lead FOSC can set up a process with the Deputy for performing this follow-up. This can include the Alternate Sub-Area FOSCs, as the Lead FOSC determines.

Other FOSCs that are assigned to the sub-area, will be designated as **Sub-Area Alternate FOSCs**. The Alternate FOSC could be a FOSC who is working on a special activity in the sub-area or happens to do a lot of site work in that sub-area. The Alternate FOSC would not necessarily be working toward being the Deputy nor would be identified to others in that role. Conversely, the Alternate FOSC could be working toward the Deputy role. The Alternate FOSC will not have the lead in follow-up to a spill report, unless both the Lead FOSC and Deputy are not available and the Lead sets a process to include them. Any FOSC can be an Alternate FOSC in any sub-area agreeable to that FOSC and the Lead FOSC for that sub-area.

R3 IAC Sub-Areas

New York



Vol.	Jurisdiction	Lead OSC
I	EPA Region III Designated FOSC	Deborah Lindsey
II	Washington DC Extended	Charlie Fitzsimmons
III	Southeast PA/DE	Mike Towle
IV	Northeast PA	Dominic Ventura
V	Southcentral PA	Melissa Linden
VI	Northcentral PA	Ann DiDonato
VII	Southwest PA/Wheeling WV	Deborah Lindsey
VIII	Northwest PA	Christopher Guzzetti
IX	Huntington/Central WV	Dennis Matlock
X	Shenandoah Valley	Don McLaughlin
XI	Upper Chesapeake	Kelley Chase
XII	Southeast VA	Chris Wagner
XIII	Southcentral VA	Myles Bartos
XIV	Northcentral WV	Raj Sharma
XV	Southwest VA/WV	Stephanie Wenning

States  
Counties

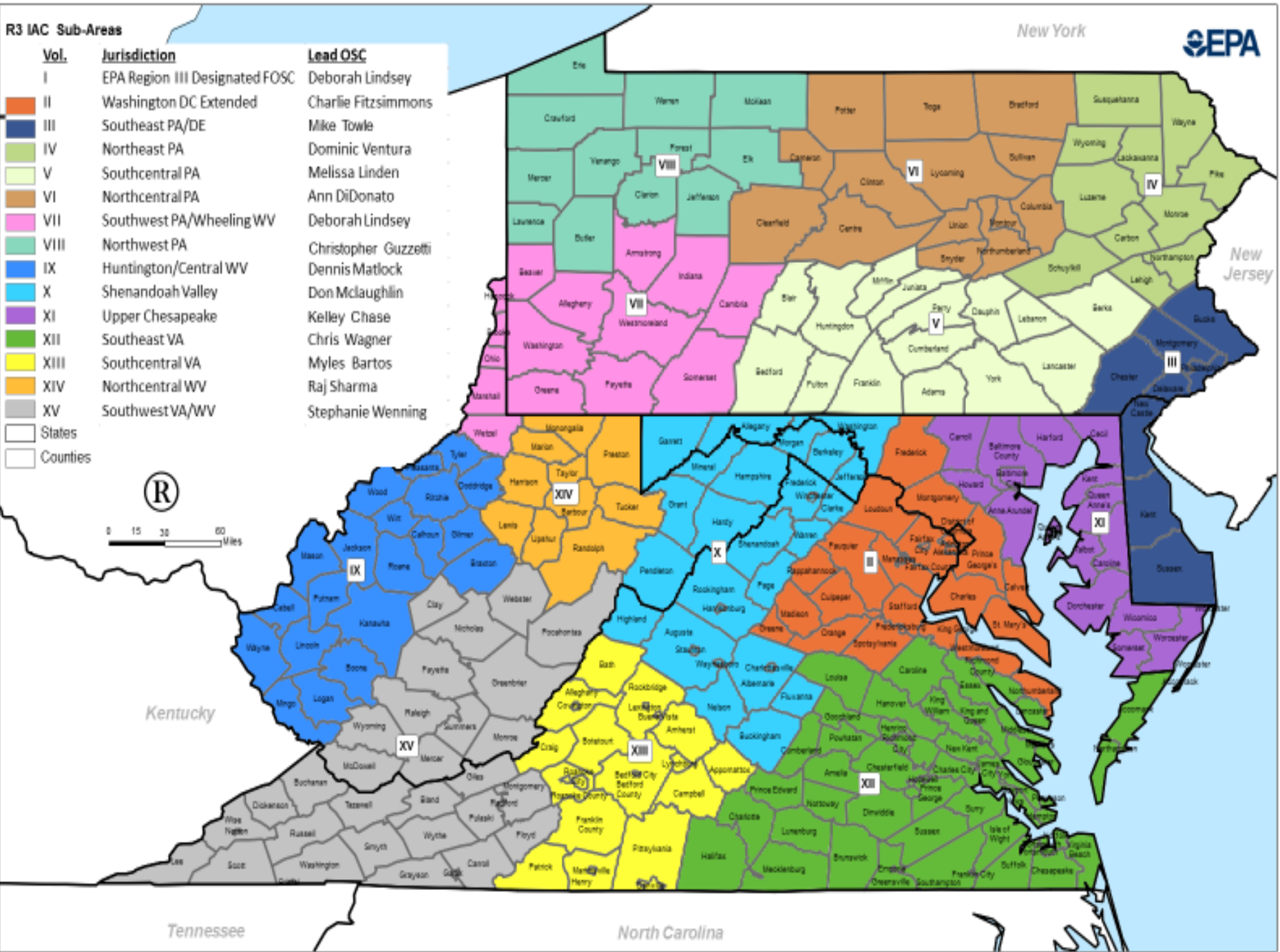


Kentucky

Tennessee

North Carolina

New Jersey





# Update on RRT3 Guidance documents based on RCP update

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Existing MOUs and MOAs and Programmatic Agreements:

- See revised RCP Appendix List on next few slides

IAC members – Please provide status of other policies, authorizations, agreements as we review the Appendix List

- Appendix 1            Region III Regional Response Team (RRT3) Primary Contacts List
- Appendix 2            Cross Reference Matrix for RRT3 RCP - NCP
- Appendix 3            Executive Orders, MOAs, MOUs
- Appendix 3-A: Executive Orders
    - EO 12580 (January 1987)
    - EO 12777 (October 1991), as amended 13286 (February 2003) and 13638 (March 2013)
    - EO 13650 (August 2013)
  - Appendix 3-B: Cross Boundary Support MOAs
    - MOA USEPA Regions 2 & 3 (November 2006)
    - MOA USEPA Regions 3, 4, & 5 (April 2000)
    - MOA USEPA Region 3 & USCG D8 (September 2016)
  - Appendix 3-C: 1997 Interagency Agreement on ESA
- Appendix 3-D: MOU for Use of Volunteers

Appendix 4 USCG District 5 / Environmental Protection Agency Response Jurisdiction Boundary (January 2010)

*Need to determine if need an MOA/MOU – or just go with the boundaries listed in the federal register (for District 9)*

Appendix 5 Instrument of Re-delegation Between USCG and EPA, signed 29 November 1987 and 27 May 1988

Appendix 6 Preauthorization Documents

- Appendix 6: MOU for Preauthorization for the use of Chemical Countermeasures by the FOSC (January 1997)
  - Appendix 6.1: USFWS ESA Section 7 Determination Letter for Chemical Countermeasures (January 1997)

- Appendix 6-A: Dispersants
  - MOU Annex I: Preauthorization
  - MOU Annex II: Critical Decision Making
  - MOU Annex III: Trial Use Policy
  - MOU Annex IV: Dispersant Monitoring Protocol
  - MOU Annex V: Products with Completed Section 7 Consultation
  - MOU Annex VI: Biological Monitoring/Region 5 Bioassay Protocol
- Appendix 6-A1: Update for Dispersant MOU (January 1999)
- Appendix 6-A2: Dispersants Employment Evaluation Plan (DEEP) (May 1991)
  - Dispersant Use Decision Guidelines & Checklist
  - Criteria for Monitoring Dispersant Use

*Special Monitoring of Applied Response Techniques (SMART) – Located in Appendix 8 of this RCP document*

- Appendix 6-B: In Situ Burn
  - MOU Appendix I: Response Decision Matrix for ISB
  - MOU Appendix II: ISB Evaluation & Response Checklist
  - MOU Appendix III: In-Situ Burn Monitoring Plan
- Appendix 6-B1: USFWS ESA Section 7 Determination Letter for ISB (September 1997)

*Special Monitoring of Applied Response Techniques (SMART) –Located in Appendix 8 of this RCP document*
- Appendix 6-C: Solidifier: CIAgent (February 2007)
  - Appendix 6-C1: Preauthorization & Section 7 Determination Letter for CIAgent (May 2007)

## Appendix 7      Response Policy Guidance

- Appendix 7-A: Bioremediation Policy
  - Appendix 7-A1: Bioremediation Policy (July 1999)
  - Appendix 7-A2: Bioremediation Guidance & Decision Tool (February 2004)
- Appendix 7-B: **Elasticity Modifiers** (DRAFT) [**Reserved**]
- Appendix 7-C: Emulsion Treating Agents [**Reserved**]
- Appendix 7-D: Herding Agents (Surface Collecting Agents) [**Reserved**]
- Appendix 7-E: In Situ Burn for Ocean, Coastal Areas and Inland Zones (March 2003)
- Appendix 7-F: In Situ Burn for Oil Impacted Herbaceous Wetlands (2004)
- Appendix 7-G: Shoreline Pre-Treatment Agents [**Reserved**]
- Appendix 7-H: Solidifiers [**refer to Appendix 6 and 6-C; Reserved for policy development**]
- Appendix 7-I: Surface Washing Agents [**Reserved**]
- Appendix 7-J: Ohio River Valley Umbrella (September 2015)
- Appendix 7-K: Places of Refuge (NRT, July 2007)

- Appendix 7-L: RRT3 Specific Response Policies
  - Appendix 7-L1: Limited Jones Act (May 2002)
  - Appendix 7-L2: Natural Trustee Resources [Reserved]
  - Appendix 7-L3: Disposal of Contact Water (May 2002)
  - Appendix 7-L4: Ocean Dumping (May 2002)
  - Appendix 7-L5: Non-Floating Oil [Reserved]
  - Appendix 7-L6: Vessel Decontamination [Reserved]
  - Appendix 7-L7: NRT Use of Volunteers (September 2012)
  - Appendix 7-L8: Photo-documentation [Reserved]
  - Appendix 7-L9: Coordination with Tribal Officials (Pamunkey Tribe) [Reserved]

## Appendix 8          Monitoring & Evaluation Tools

- Appendix 8-A: Special Monitoring of Applied Response Techniques (SMART) (August 2006)
- Appendix 8-B: NRT Monitoring for Atypical Dispersant Operations (May 2013)
- Appendix 8-C: Selection Guide
  - Appendix 8-C1: Volume 1 of the Selection Guide for Oil Spill Response Countermeasures – Decision Making (June 2009)
  - Appendix 8-C2: Volume 2 of the Selection Guide for Oil Spill Applied Technologies – Operations Plans (June 2000)
- Appendix 8-D: Other Product/Category-Specific [Reserved]



## Appendix 9            Consultation Requirements and References

- Appendix 9-A: ESA and Critical Habitats
  - Appendix 9-A1: MOA Training Manual for ESA (2002)
  - Appendix 9-A2: MER Policy Letter 01-14 (October 2013)
  - Appendix 9-A3: Best Practices for Migratory Bird Care During Oil Spill Response (2003)
- Appendix 9-B: Essential Fish Habitat (EFH) Consultation Guidance (April 2004)
- Appendix 9-C: PA for Protection of Historic Properties during Federal Emergency Response (August 1998)

- Appendix 9-D: Tribal Consultation
  - Appendix 9-D1: EO 13007 Indian Sacred Sites (May 1996)
  - Appendix 9-D2: Guidance for Implementing E.O. 13175 (July 2010)
  - Appendix 9-D3: Policy to Consult with Indian Tribes (May 2011)
  - Appendix 9-D4: Section 106 Consultation Guidebook (December 2012)
  - Appendix 9-D5: Role of the Tribal Historic Preservation Officer in the Section 106 Process (November 2013)
  - Appendix 9-D6: Government-to-Government Consultation with Federally Recognized Indian Tribes and Alaska Native Corporations (November 2013)
- Appendix 9-E: RRT3 NAGPRA Plan of Action Checklist [Reserved]
- Appendix 9-F: USACE Nationwide Permit (NWP)-20 (December 2017) [Reserved]

Appendix 10      National Resource Damage Assessment (NRDA) [Reserved]

# Update on GRP Work

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What WESTON has been working on:

- Electronic Data Collection Form (Survey 1-2-3),

TDDs for several Sub-Areas / Updates:

- Southeast PA/DE
- Southcentral PA
- Washington DC Extended
- Huntington/Central WV
- Southwest PA/Wheeling WV

# Sensitive Area Mapping

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- Received additional funding from HQ to support Area Planning
- Sensitive Area Mapping identified as a need
  - Section 2.3.7 of the IACP Volume I
  - Current data goes back to 1998

# Sensitive Area Mapping- Approach

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- Definition of Sensitive Area
- Ranking System
- Pilot Implementation on 5 Sensitive Areas

# Sensitive Area Mapping- Approach

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## Step 1

- Definition of Sensitive Area
  - Definition in IACP
  - Definition listed in various regulations
  - Existing Environmental Sensitivity Atlases

# Sensitive Area Definition

## Environmentally Sensitive Area

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- The term “environmentally sensitive areas” refers to environments that may be considered habitat to fish and wildlife or contain significant biological resources other than fish and wildlife.
- Environmentally sensitive areas are broken down into three separate categories: (1) habitat, (2) management areas and (3) biological resource areas
- Examples of environmentally sensitive areas could be a wetlands, marshes or specific types of shoreline (habitats), national/state conservation areas, state lands or wildlife areas (management areas) and migratory pathways or endangered freshwater mussel beds (biological).

# Sensitive Area Definition

## Economically Sensitive Area

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- The term “economically important areas” refers to environments that are susceptible to the direct impacts of oil due to the economic value of the natural resources i.e. both a recreational and/or commercial perspective.
- A boat marina or public recreational areas could be example of the recreational type of economically important area
- A water intake for a power plant or the locks and dams could be an example of the commercial type.



# Sensitive Area Definition

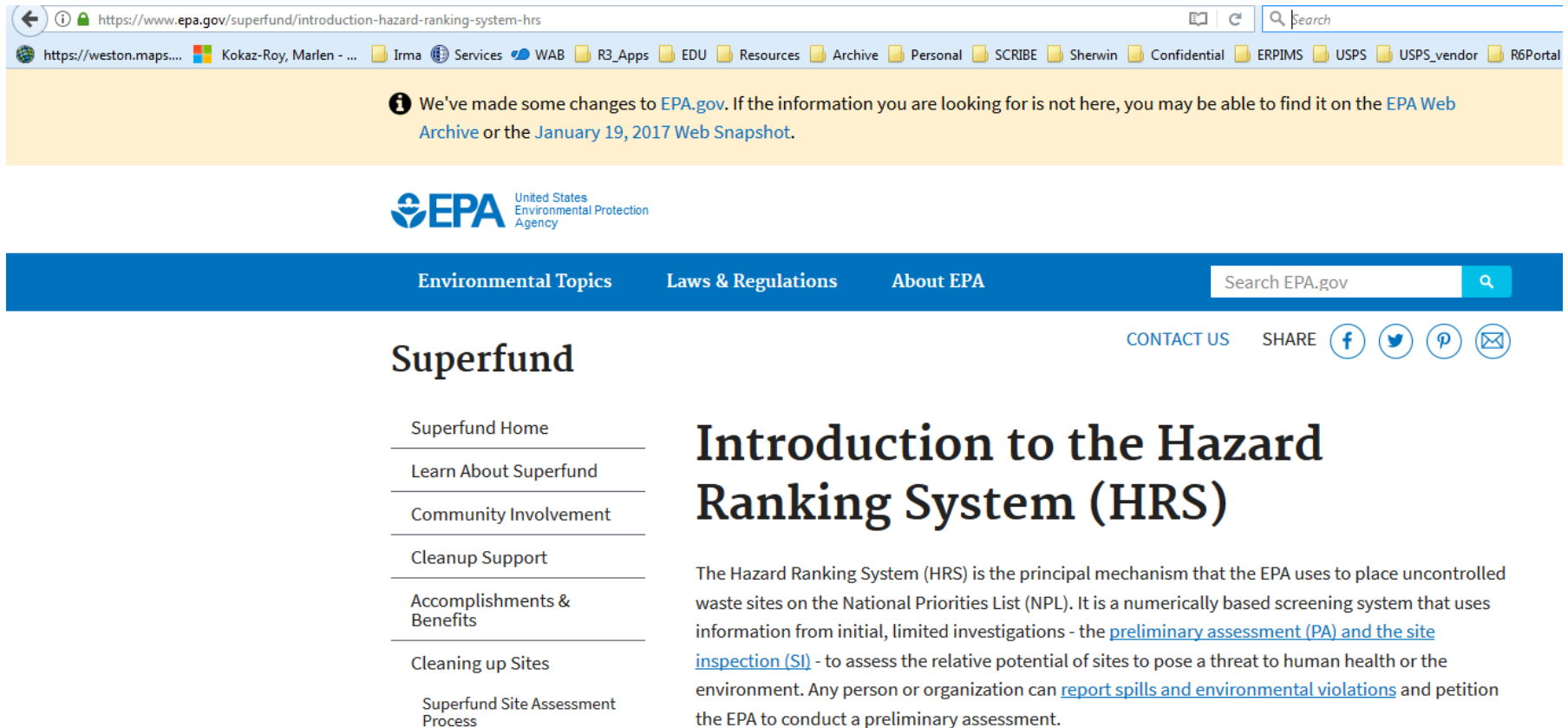
## Culturally Sensitive Areas

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### **Anthropological Areas are defined as:**

- Native lands,
- Historic landmarks,
- Archeological sites,
- Heritage program sites,
- Historical sites,
- Land trust areas,
- Human use areas


# Sensitive Area Mapping- HRS



The screenshot shows a web browser window with the URL <https://www.epa.gov/superfund/introduction-hazard-ranking-system-hrs>. The browser's address bar and tabs are visible at the top. Below the browser window, a yellow banner contains a message: "We've made some changes to EPA.gov. If the information you are looking for is not here, you may be able to find it on the EPA Web Archive or the January 19, 2017 Web Snapshot." The EPA logo is displayed below the banner. A blue navigation bar contains the following links: "Environmental Topics", "Laws & Regulations", "About EPA", and a search box labeled "Search EPA.gov". Below the navigation bar, the "Superfund" section is highlighted. On the right side of the Superfund section, there are links for "CONTACT US" and "SHARE" with social media icons for Facebook, Twitter, Pinterest, and Email. The main content area features the heading "Introduction to the Hazard Ranking System (HRS)" and a paragraph of text: "The Hazard Ranking System (HRS) is the principal mechanism that the EPA uses to place uncontrolled waste sites on the National Priorities List (NPL). It is a numerically based screening system that uses information from initial, limited investigations - the [preliminary assessment \(PA\)](#) and the [site inspection \(SI\)](#) - to assess the relative potential of sites to pose a threat to human health or the environment. Any person or organization can [report spills and environmental violations](#) and petition the EPA to conduct a preliminary assessment."

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- Community Involvement
- Cleanup Support
- Accomplishments & Benefits
- Cleaning up Sites
- Superfund Site Assessment Process

## Introduction to the Hazard Ranking System (HRS)

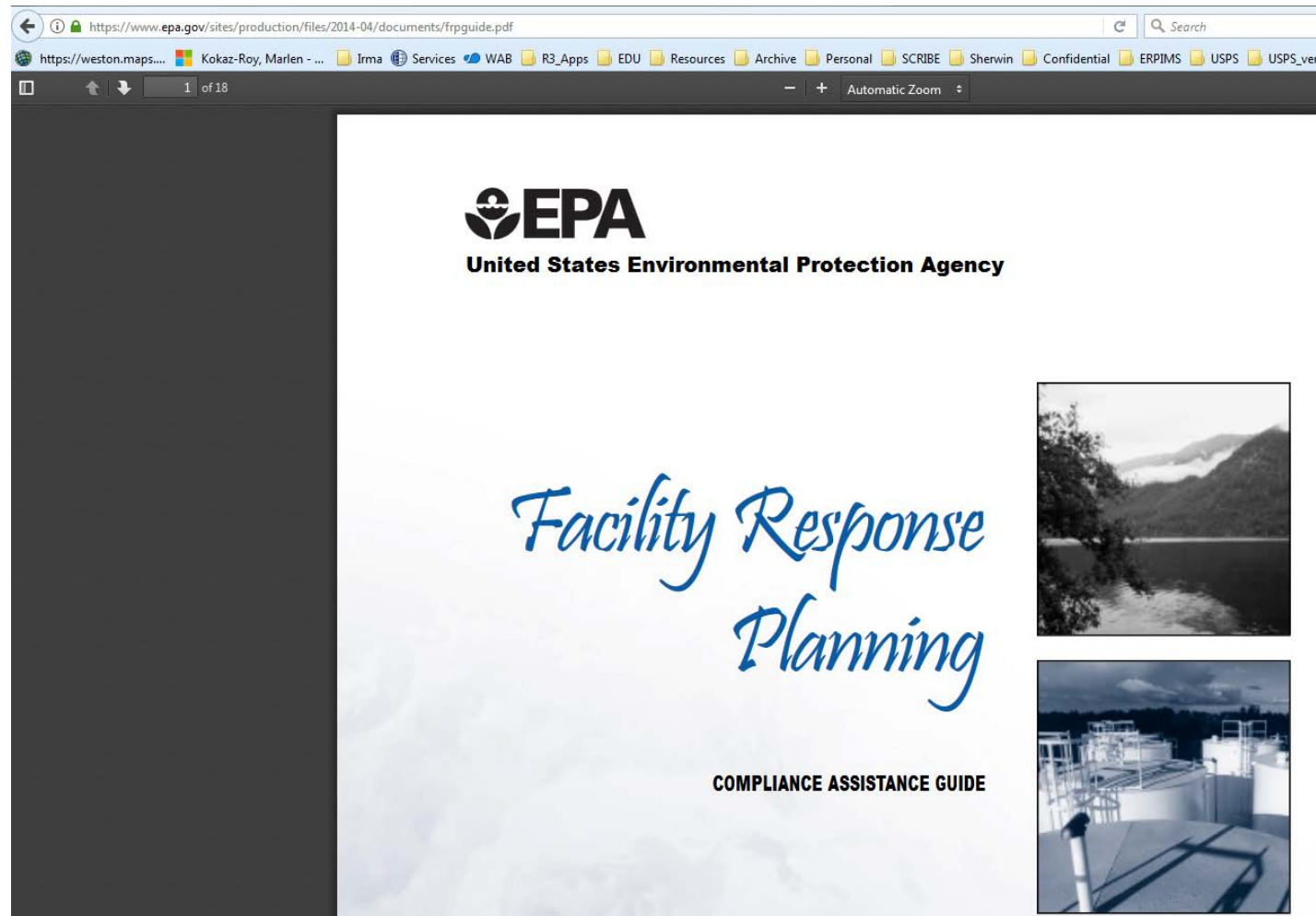
The Hazard Ranking System (HRS) is the principal mechanism that the EPA uses to place uncontrolled waste sites on the National Priorities List (NPL). It is a numerically based screening system that uses information from initial, limited investigations - the [preliminary assessment \(PA\)](#) and the [site inspection \(SI\)](#) - to assess the relative potential of sites to pose a threat to human health or the environment. Any person or organization can [report spills and environmental violations](#) and petition the EPA to conduct a preliminary assessment.

# Sensitive Area Mapping- HRS

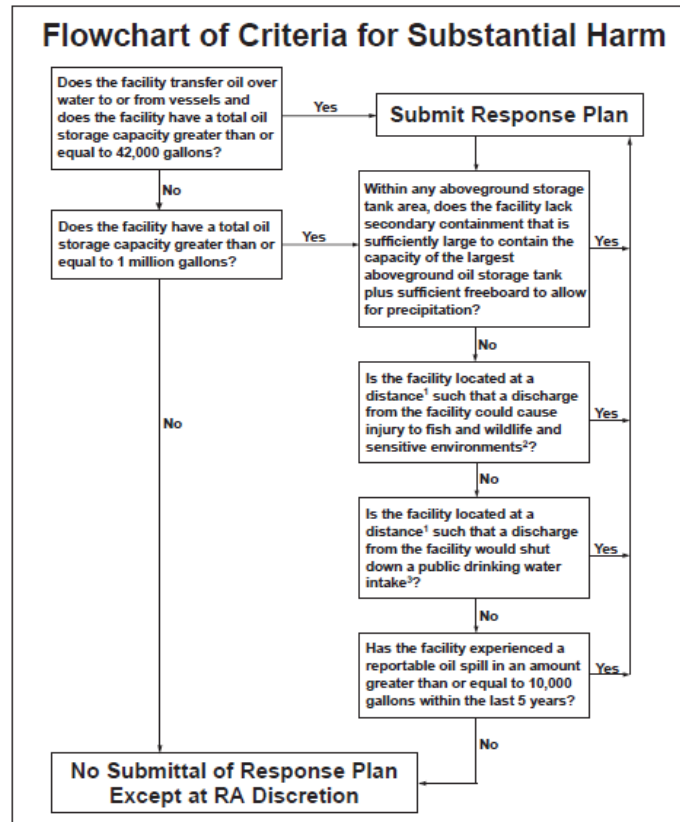
TABLE 4-23—SENSITIVE ENVIRONMENTS RATING VALUES

Sensitive environment	Assigned value
Critical habitat <sup>a</sup> for Federal designated endangered or threatened species ..... Marine Sanctuary National Park Designated Federal Wilderness Area Areas identified under Coastal Zone Management Act <sup>b</sup> Sensitive areas identified under National Estuary Program <sup>c</sup> or Near Coastal Waters Program <sup>d</sup> Critical areas identified under the Clean Lakes Program <sup>e</sup> National Monument <sup>f</sup> National Seashore Recreational Area National Lakeshore Recreational Area	100
Habitat known to be used by Federal designated or proposed endangered or threatened species ..... National Preserve National or State Wildlife Refuge Unit of Coastal Barrier Resources System Coastal Barrier (undeveloped) Federal land designated for protection of natural ecosystems Administratively Proposed Federal Wilderness Area Spawning areas critical <sup>g</sup> for the maintenance of fish/shellfish species within river, lake, or coastal tidal waters Migratory pathways and feeding areas critical for maintenance of anadromous fish species within river reaches or areas in lakes or coastal tidal waters in which the fish spend extended periods of time Terrestrial areas utilized for breeding by large or dense aggregations of animals <sup>h</sup> National river reach designated as Recreational	75
Habitat known to be used by State designated endangered or threatened species ..... Habitat known to be used by species under review as to its Federal endangered or threatened status Coastal Barrier (partially developed) Federal designated Scenic or Wild River	50
State land designated for wildlife or game management ..... State designated Scenic or Wild River State designated Natural Areas Particular areas, relatively small in size, important to maintenance of unique biotic communities	25
State designated areas for protection or maintenance of aquatic life <sup>i</sup> .....	5

# Sensitive Area Mapping- FRP



# Sensitive Area Mapping- FRP



<sup>1</sup> Calculated using the appropriate formulas in Attachment C-III to this appendix or a comparable formula.

<sup>2</sup> For further description of fish and wildlife and sensitive environments, see Appendices I, II, and III to DOC/NOAA's "Guidance for Facility and Vessel Response Plans: Fish and Wildlife and Sensitive Environments" (59 FR 14713, March 29, 1994) and the applicable Area Contingency Plan.

<sup>3</sup> Public drinking water intakes are analogous to public water systems as described at 40 CFR 143.2(e).

**Figure 1:**  
*Flowchart of Criteria  
for Substantial Harm*

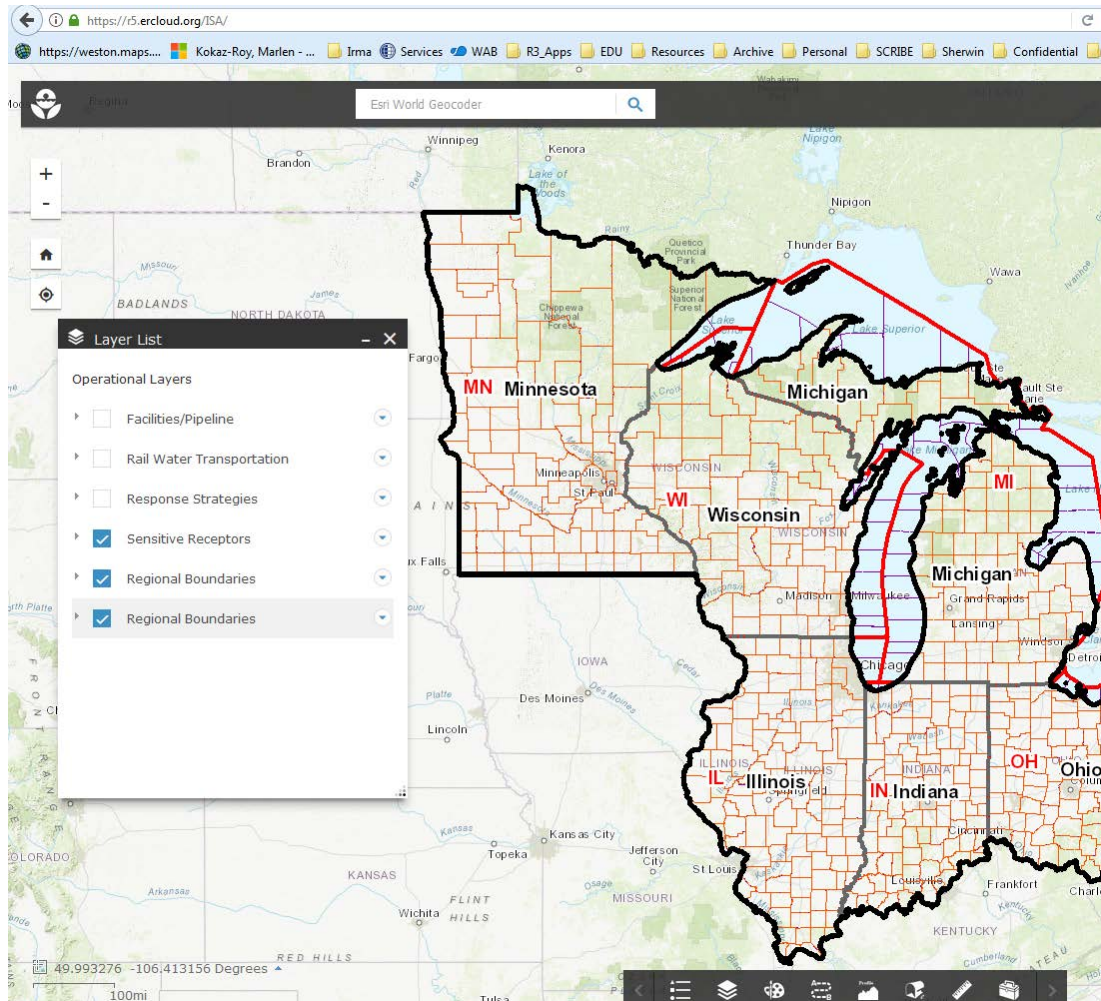
# Sensitive Area Mapping- FRP

In order to answer the above question, you must first determine the following:

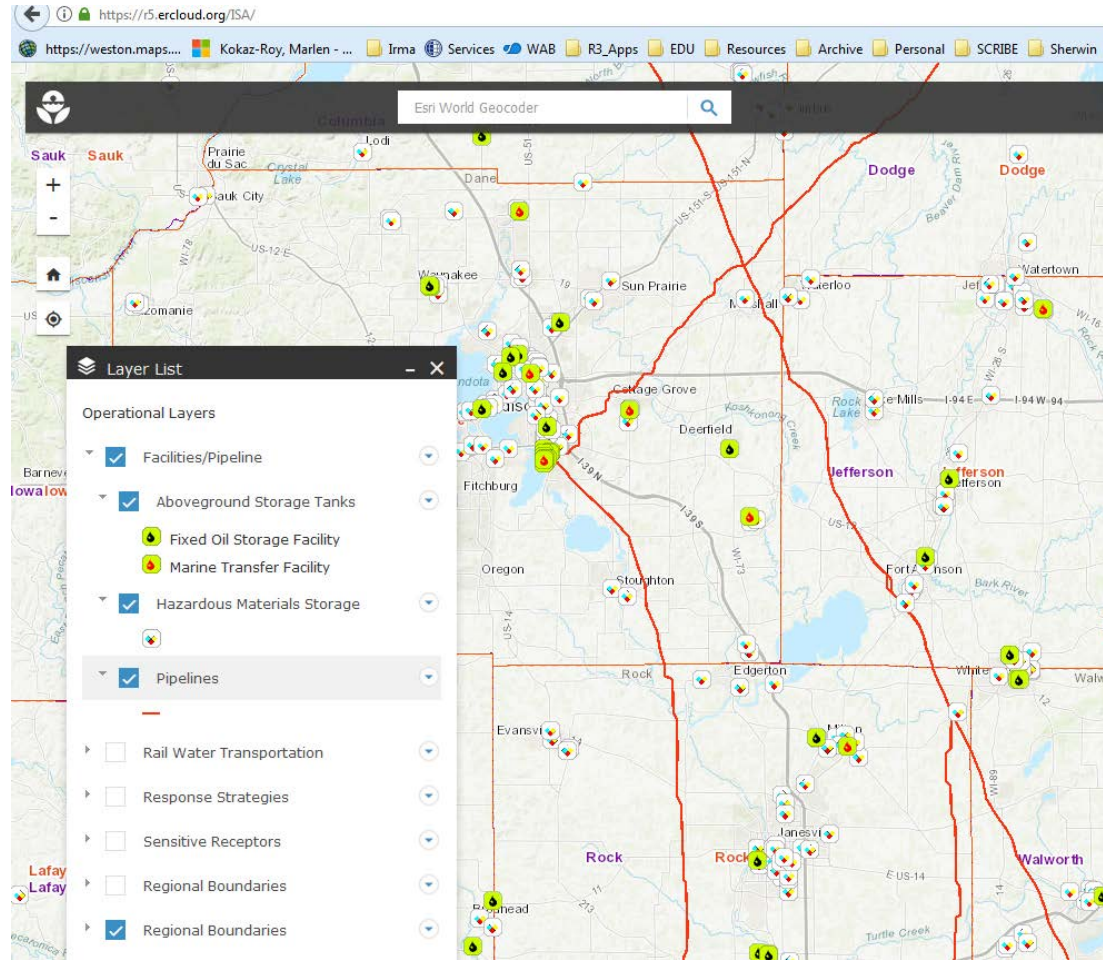
- You must calculate the distance that discharged oil could travel from your facility before it is contained. You should use the planning distance calculations for fish and wildlife and sensitive environments to identify all fish and wildlife and sensitive environments within the planning distance. (See 40 CFR part 112, Appendix C, Attachment C-III.)
- According to 40 CFR 112.2, *injury* means a measurable adverse change, either long- or short-term, in the chemical or physical quality or the viability of a natural resource. The change can result either directly or indirectly from exposure to a discharge of oil; from exposure to a product; or from reactions resulting from a discharge of oil.
- You must check other sources to determine what constitutes an area that is sensitive for fish and wildlife or the environment. These areas are identified by their legal designation, by evaluations conducted by area committee members or members of the federal on-scene coordinator's discharge response structure, or in an Area Contingency Plan (ACP). These areas may be identified either because of sensitivity to the effects of a discharge event, or danger to human health. Examples of these environments include:

- Wetlands;
- National and state parks;
- Critical habitats for endangered species;
- Wilderness and natural resource areas;
- Marine sanctuaries and estuarine reserves;
- Conservation areas;
- Preserves;
- Wildlife areas;
- Wildlife refuges;
- Wild and scenic rivers;
- Recreation areas;
- National forests;
- Federal and state lands that are research natural areas;
- Heritage program areas;
- Land trust areas; and
- Historical and archeological parks.

# Sensitive Area Mapping- R5 Sensitivity Atlas

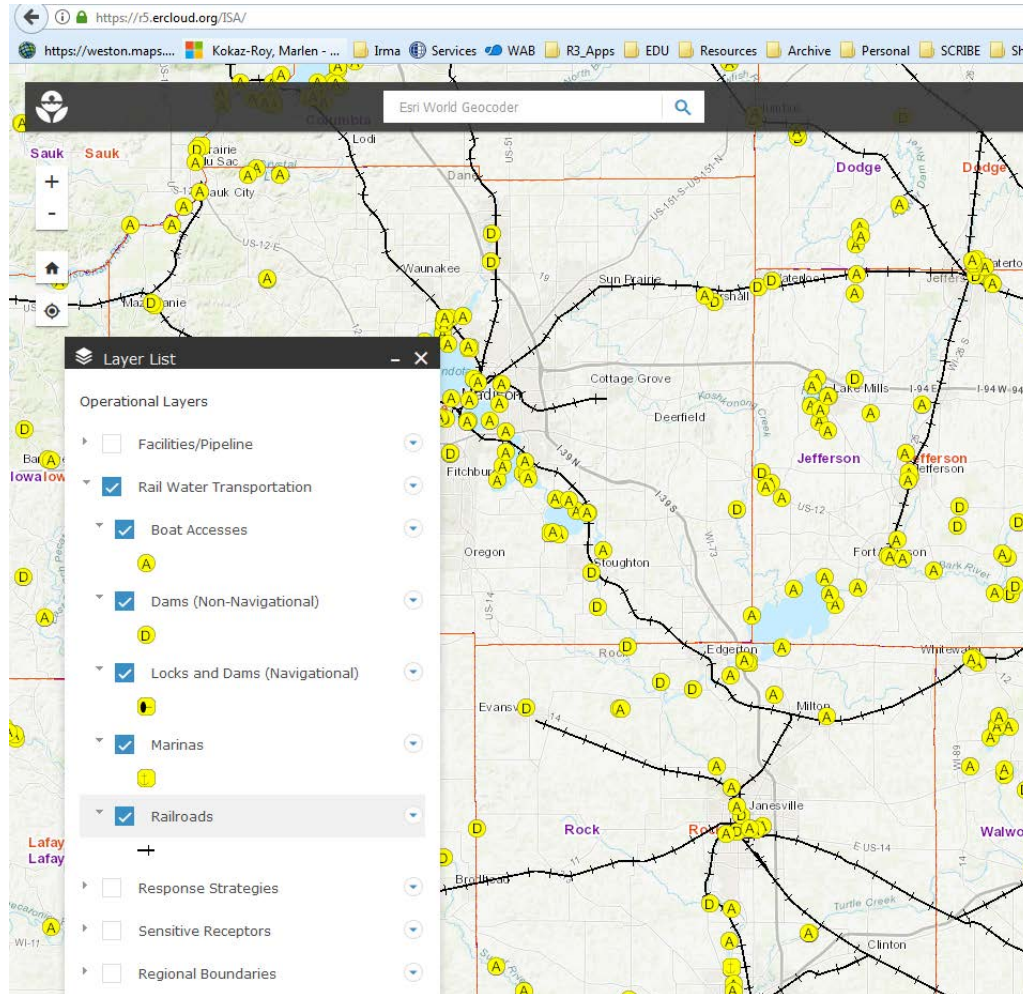


# Sensitive Area Mapping- R5 Sensitivity Atlas





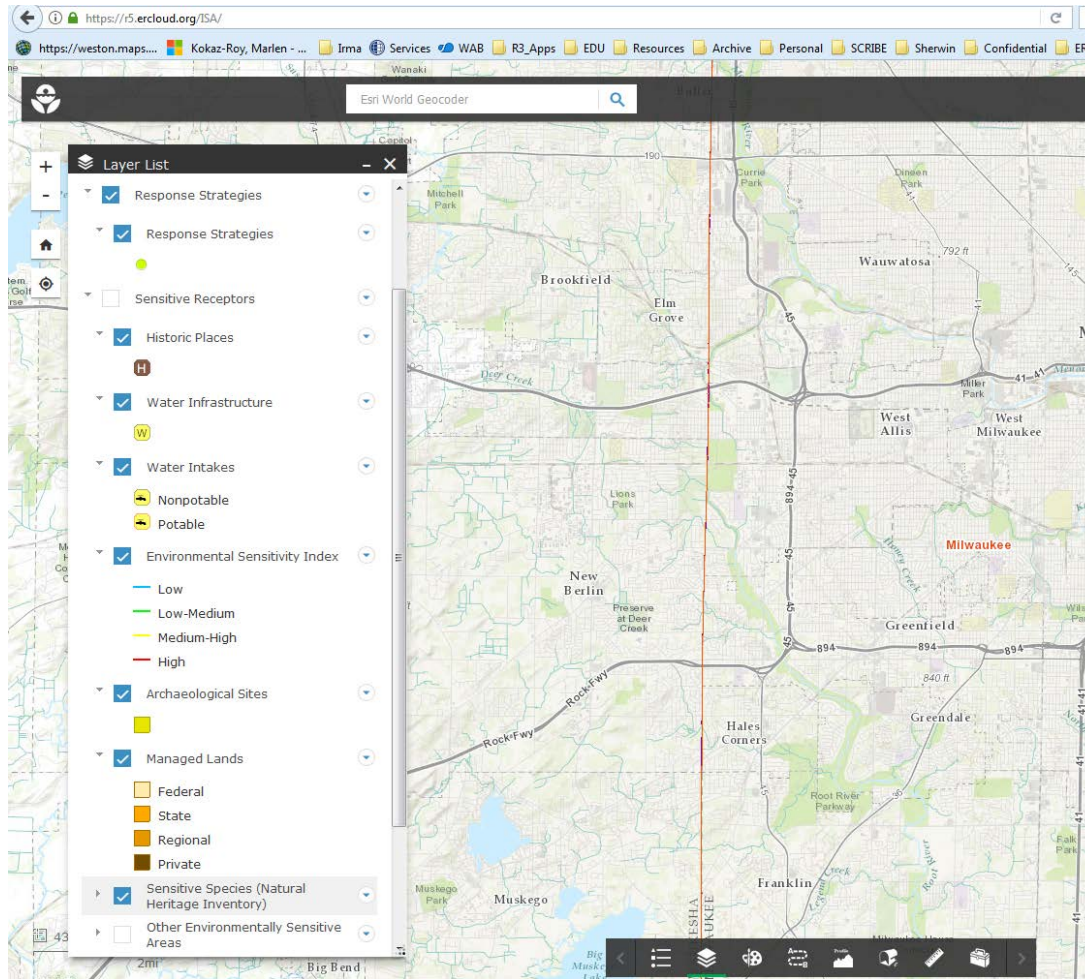
# Sensitive Area Mapping- R5 Sensitivity Atlas



# Sensitive Area Examples

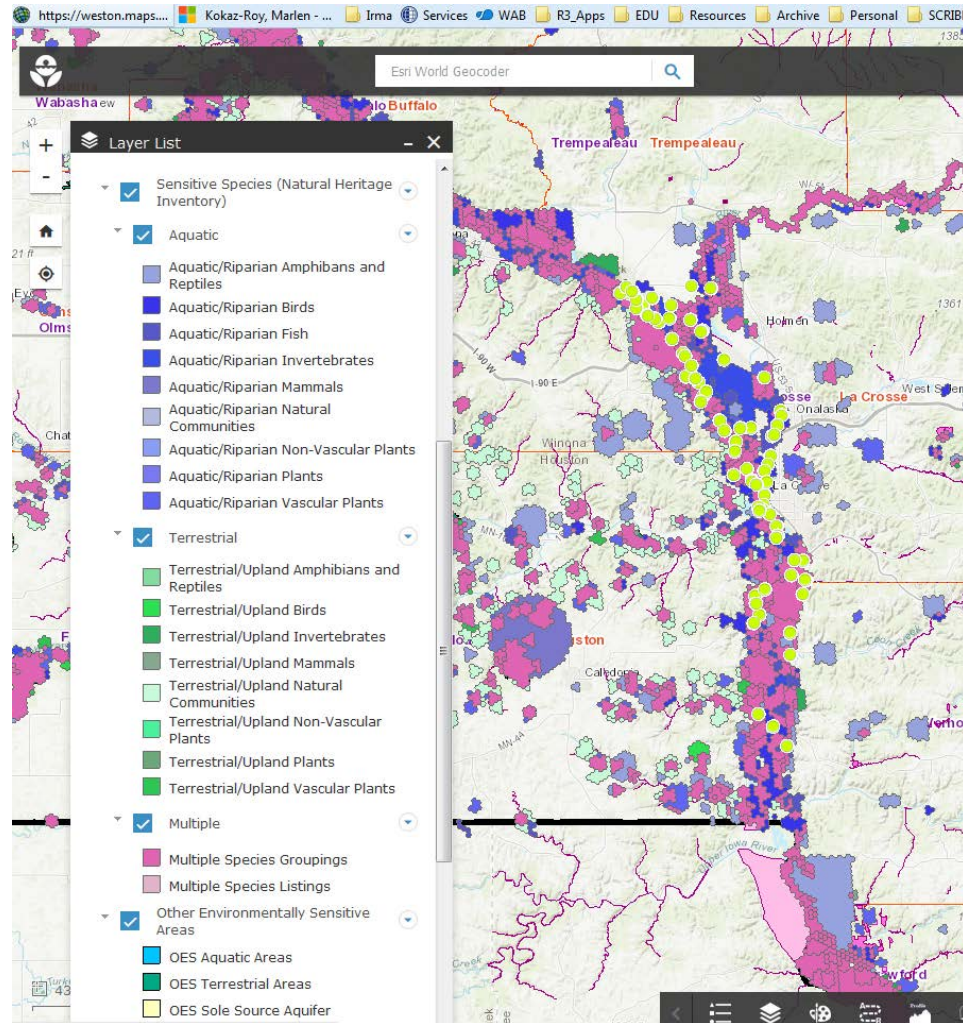
R5 Sensitivity Atlas Layer List									
Operational Layers									
Facilities/Pipelines					Rail Water Transportation				
		Aboveground Storage Tanks					<b>Boat Access</b>		
		- Fixed Oil Storage Facility					Dams (Non-Navigational)		
		<b>- Marine Transfer Facility</b>					Locks and Dams (Navigational)		
		Hazardous Materials Storage					Marinas		
		Pipelines					Railroads		
Regional Boundaries					Response Strategies				
		USEPA Boundary					<b>Response Strategies</b>		
		Regional Boundaries							
		Regional County Boundaries							
		State Boundaries							
		County Boundaries							

# Sensitive Area Mapping- R5 Sensitivity Atlas





# Sensitive Area Mapping- R5 Sensitivity Atlas



# Sensitive Area Examples

Sensitive Species (Natural Heritage Inventory)												
Aquatic						Terrestrial						
Aquatic/Riparian Amphibians and Reptiles						Terrestrial/Upland Amphibians and Reptiles						
Aquatic/ Riparian Birds						Terrestrial/Upland Birds						
Aquatic/Riparian Fish						Terrestrial/Upland Invertebrates						
Aquatic/ Riparian Invertebrates						Terrestrial/Upland Mammals						
Aquatic/ Riparian Mammals						Terrestrial/Upland Natural Communities						
Aquatic/ Riparian Natural Communities						Terrestrial/Upland Non-Vascular Plants						
Aquatic/Riparian Non-Vascular Plants						Terrestrial/Upland Plants						
Aquatic/Riparian Plants						Terrestrial/Upland Vascular Plants						
Aquatic/Riparian Vascular Plants												
						Other Environmentally Sensitive Areas						
Multiple						OES Aquatic Areas						
Multiple Species Groupings						OES Terrestrial Areas						
Multiple Species Listings						OES Sole Source Aquifer						

# Sensitive Area Mapping- Approach

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- Definition of Sensitive Area
- **Ranking System**
- Pilot Implementation on 5 Sensitive Areas

# Sensitive Area Mapping- Approach

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## Step 2

- **Ranking System**

Looking for 5 Sensitive Areas for our Pilot Program to add to our Dashboard/Viewer System



# Sensitive Area Mapping- Approach

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## **Ranking System**

- 1.
- 2.
- 3.
- 4.
- 5.

# Sensitive Area Mapping- Approach

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- Definition of Sensitive Area
- Ranking System
- **Pilot Implementation on 5 Sensitive Areas**
  - START to work on acquire data
  - Work on Mapping/Packaging the Data
  - Present to IAC at the May 2018 meeting
  - Finalize

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**Break**  
**15 minutes**

# Exercising Portions of the IACP in the future

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## Consultation Process

- Two different outlines
  1. To address ESA
  2. To address NHPA

## Other Exercises

- Any Scenarios that should be exercised
- Any Recommendations for Location

# EPA Region 3 Dashboard and Viewer

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Information Sheet developed to promote use of the Dashboard and Viewer

- See handout

Demonstration using Dashboard and Viewer

<https://www.eparm.net/R3IACP/Default.aspx>

- HSIP data available outside Region 3 (can be helpful for responses in other regions)

# Ideas for May 2018 IAC Meeting

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- Pollution Removal Funding Authorization (PRFA) with National Pollution Fund Center (NPFC) (Pat Ryan)
- Water of the United States Ruling
- Others?

# PRESENTATION:

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TRANSCAER

*John W. Casey and Rich Fetzner with the  
PA Transcaer Team*