BSEE-NOAA/EPA-NOAA
Geographic Response Plan Projects

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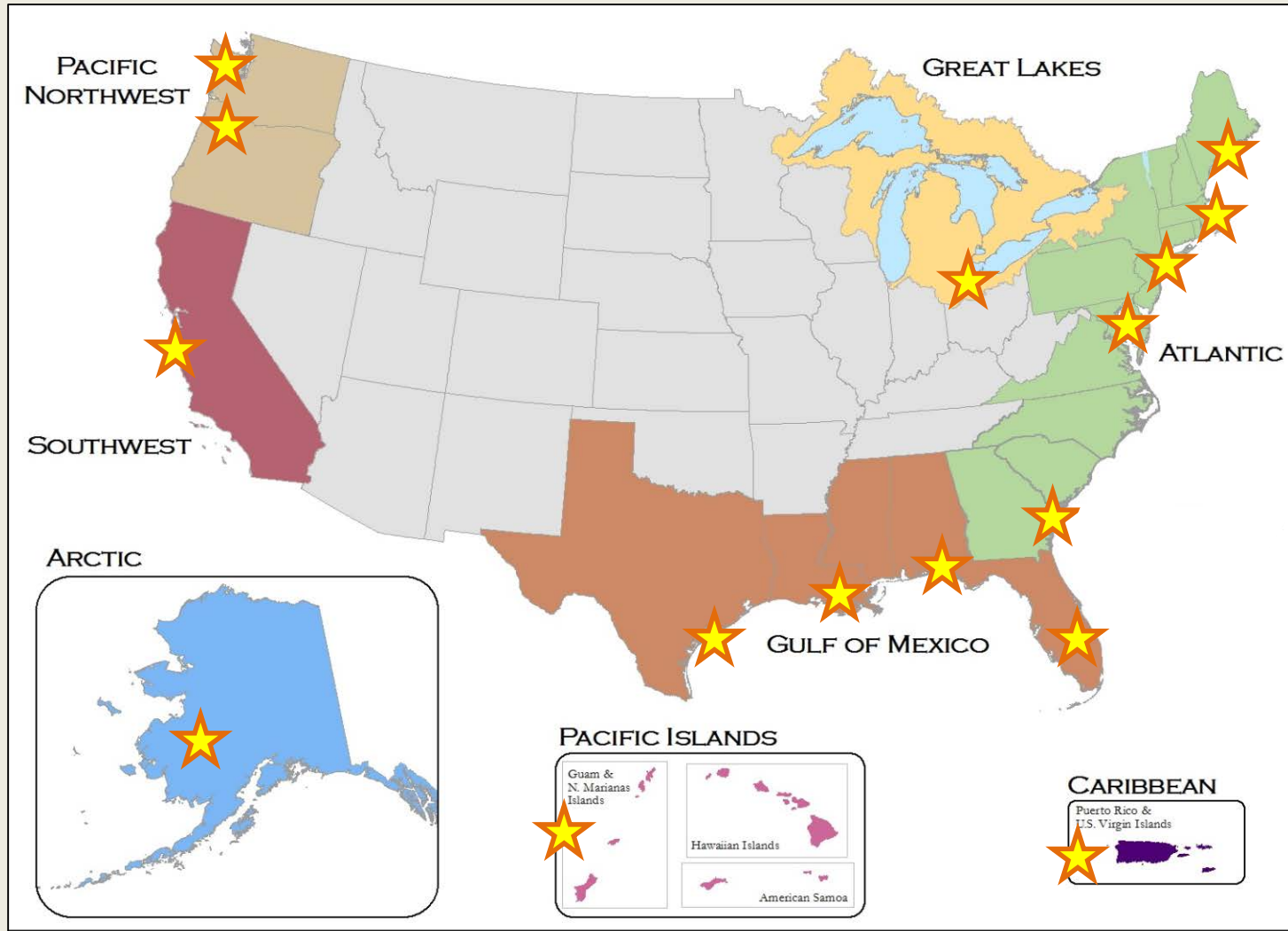
BSEE/EPA Contingency Plan Support Contracts

- BSEE and EPA contract funding to inventory, ingest, and deliver current GRP data via ERMA

- Develop *recommendations* on GRP creation and visualization for ERMA and other GIS systems (propose standards)

- Create tools to support creation of new GRP data (ERMA Draw) and enhanced ESI queries and reporting (ICS 232/RAR)

BSEE/EPA GRP Projects

GRP project goals:

- BSEE Marine / EPA Inland Oil by Rail focus

- Making GRP data available in standard formats via NOAA's ERMA Regional sites
  (Compatible with other GIS platforms)

- EPA work also includes development of environmental and community data
  (Day Care, Hospitals, Schools, Police, Fire)

- Help develop recommendations for future GRP development and symbolization standards

Current GRP Partners

GRP Standards Status

- Initial Inventory Complete
- Collecting and uploading GRPs into ERMA
  - GIS data when available
  - Indexes and downloads of PDFs
- Evaluating uniqueness and commonality
- Evaluating common symbology
- Finishing up in 2017
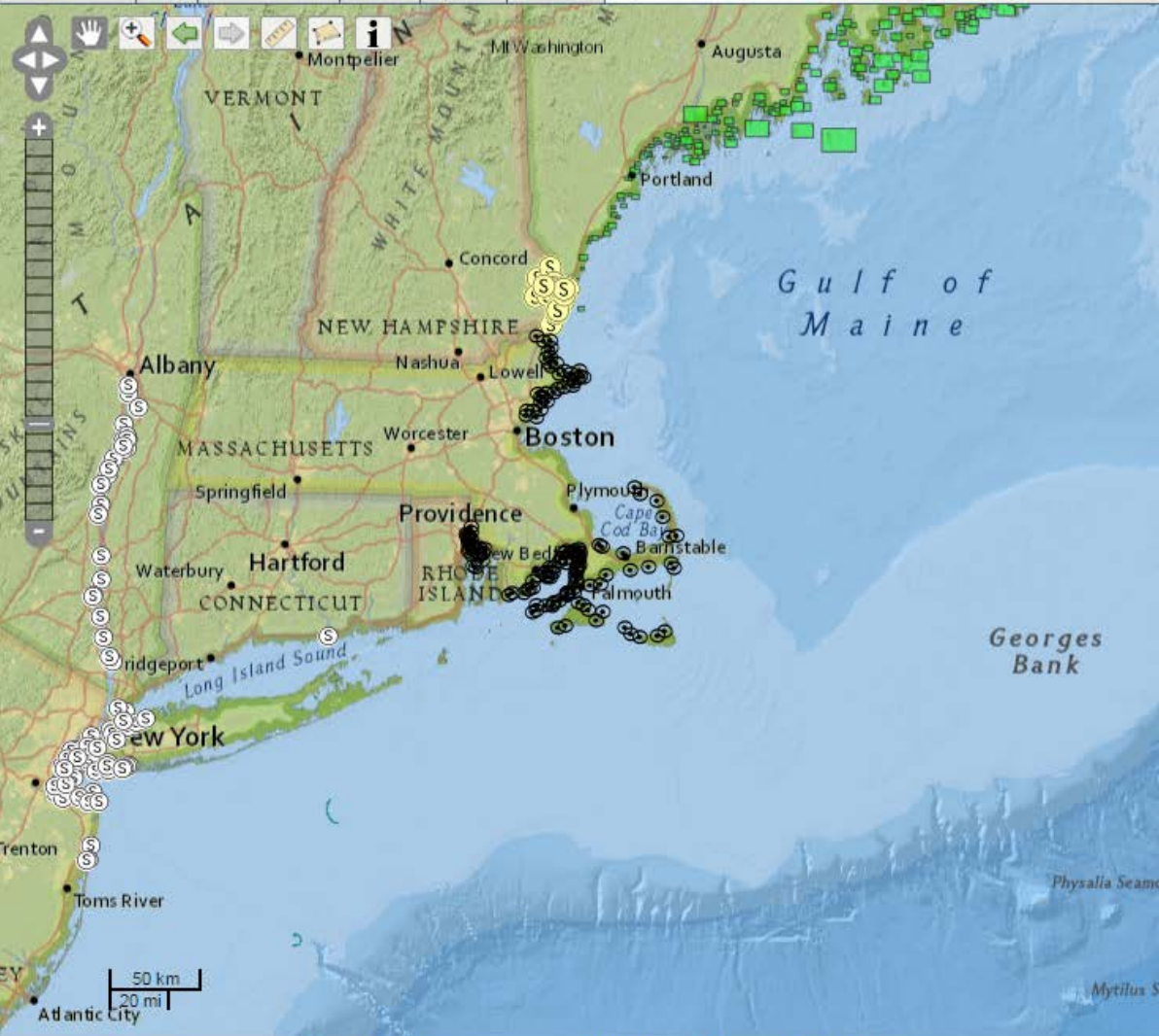
Atlantic ERMA Current GRPs

Existing GRP Attribution

- ## What should be in the GRP?
  - Name, Strategy Name
  - Create Date
  - Resource Protected
  - Type/Description
  - Lat/Lon (Decimal Degrees)
  - Status
  - GRP Link
  - *Address?*
  - *Water Body?*

GRP – Attributes	#
Arctic	12
WA/OR	31/15
CA/OSPR	10
TXGLO	9
SecNOLA	44
FWRI/D7	57
Sec Boston (MA)	8
ME/NH GRS	8

What's in the Current GRPs?

Arctic	WA/OR RRT	Pending WA/OR	CA/OSPR	TXGLO	SecNOLA	FWRI/District 7	Sector Boston (MA)	ME-NH Geographic Response Strategy
Objectid	Gid	Strategy_ID	gid	objectid	gid	objectid	gid	gid
strategy id	grp planning	Strategy_Name	latdd	name	priority	site id	grp_link	id
strategy name	state	Strategy_Status	londd	link	priogisseg	spring protection priority	shape length	strategy
creation date	label	Strategy_DateTime	acp num	url	priogislab	summer protection priority	shape area	implement
author	latitude	Strategy_Priority	site num	x_coord	priopdflab	fall protection priority	grp area c	location
description	longitude	Strategy_Type	site name	y_coord	sitename	winter protection priority	site num	town
response resources	boom length	Date	pri code	shape	alias	site description	site name	shape area
field survey date	strategy	GRP_Name	area photo	shape area	description	general location description	pdflink3	pdf_url
field deployment date	resource covered	Site_Access	google map	shape length	parish	sector		
shape	objective	Boat_Required	acp page		quadname	county		
shate.starea()	created date	Staging_Code			quadnumber	SCAT division		
shape.stlength()	modified date	Staging_ID			milemarker	managed area		
	created by	Staging_Name			managedyn	latitude (dd)		
	modifide by	Boom_Length			lat_dmslab	longitude (dd)		
	grp link	Boom_Type			lon_dmslab	latitude (dms)		
		Resource_Protected			strategy	longitude (dms)		
		Watercourse_Description			waterbtype	grp map number		
		Objective_Description			curwaveact	grp map name		
		Implementation_Description			waterbwidt	esi map number		
		Equipment_Description			waterbodyopen	esi map name		
		Address_Num			safetyconc	noaa nautical chart number		
		Address_Dir			areaaccess	noaa nautical chart name		
		Adress_Street			stagingarea	usgs quad number		
		Address_City			collection	usgs quad name		
		Address_Zip			esi_code	contact information		
		County			esi_description	contact information (cont)		
		State			rarcomment	shoreline type		
		Lat_DD			contact	shoreline type (cont)		
		Long_DD			contactsp	habitats		
		Marker			submitby	habitats (cont)		
		GRP_Link			submitdate	wildlife		
					statesubmi	wildlife (cont 2)		
					statecomment	wildlife (cont 3)		
					latitude	threatened/Endangered species		
					longitude	threatened/Endangered species (		
					point_x	socio-economic resources at risk		
					point_y	socio-economic resources at risk (		
					lat_dmscal	staging areas		
					lon_dmscal	collection points		
					priorsegnum	area access		
					parishabre	spill risks		
					dotnumber	response resources		
					pardotlabe	response resources (cont)		
					quadlabel	tidal range (feet)		
						average current velocity (knots)		
						minimum boom length (feet)		
						booming method		
						boom type		
						protection strategy		
						protection strategy (continued 2)		
						protection strategy (continued 3)		
						protection strategy (continued 4)		
						ease of protection		
						shape		
						subtype		
						state		
						signature		

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GRP Project Summary

- There are many styles of GRPs nationwide

- Effort involves collecting available data and making it available via Regional ERMA sites

- Recommendations and suggested standards will be developed from the assessment of these existing frameworks

- ERMA solutions will support any desktop or web-based data standard

Atlantic ERMA GRP Status
(Arctic, Pacific, SW, GOM, and Great Lakes too)

- What data are available for Northeast Sectors?

- What is the status of these strategies?
  - Planned, in development, completed

- What data formats exist?
  - PDF maps, GIS data layers (points, lines, polygons)

- How can we exchange data and work together on symbology and standards?

- Also, are there additional datasets that would help supplement the current data available in Regional ERMA sites?