

SNOHOMISH COUNTY OIL SPILL PREPAREDNESS/RESPONSE PROJECT

UW Environmental
Management Team

Andrea Kunz

Sara Booth

Tom Carter

Vivien Savath

UW Faculty Advisor

Robert Pavia



SNOHOMISH COUNTY MARINE RESOURCES ADVISORY COMMITTEE
Project Sponsor: Kathleen Herrmann

SNOHOMISH
COUNTY 

**MARINE
RESOURCES COMMITTEE**



Our Mission

- Inform Snohomish County government about marine oil spill threat
- Identify and develop prevention and preparedness options



Why This Project?

- The importance of local involvement and policy awareness
- The real threat of spills in Snohomish County
- Requested by Snohomish County Council



Logistics

- \$7000 Application Fee Paid for by Surface Water Management (SWM)
- Approved by Director of SWM and Union
- Worked with UW Coordinator to locate a Faculty Advisor- Bob Pavia
- Internal Presentations to SWM & MRC
- Project Team Meetings



Project Objectives

- Present foundational research
- Choose and model oil spill scenarios
- Analyze gaps and present options
- Evaluate options and suggest next steps



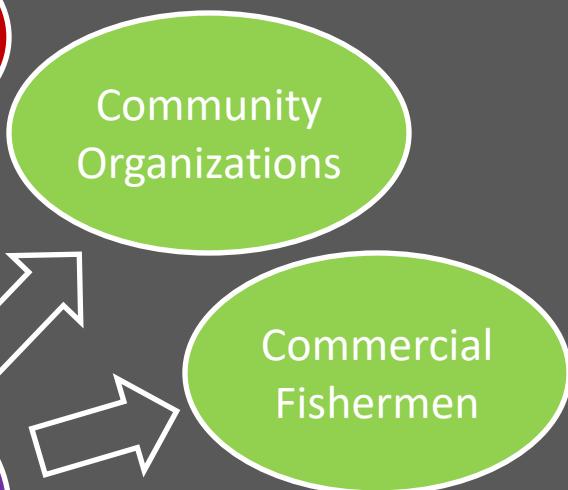
Applicability for other MRCs:

- Federal and state laws are the same
- Recommendations can be applied to all Counties
- Report reviewed by People for Puget Sound Policy Advisor- Rein Attemann
- Many interviews conducted with regional oil spill experts beyond Snohomish County
- TAP model is free and available online

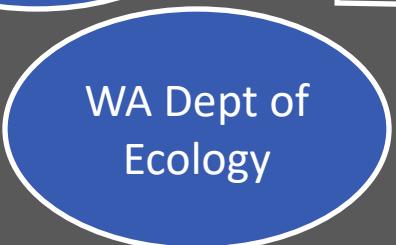
Funds, Expertise



Vessels, Responders



Local Access

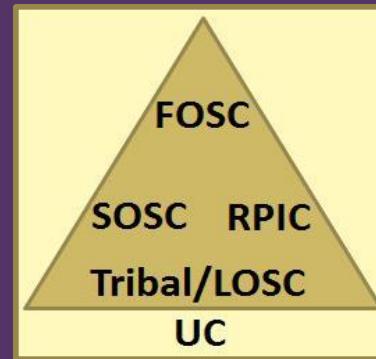


Volunteers



Information

Foundational Research



- Resources At Risk
- Potential Threat Sources
- Legislative and Organizational Environment



Threat Scenarios

Tanker Spill



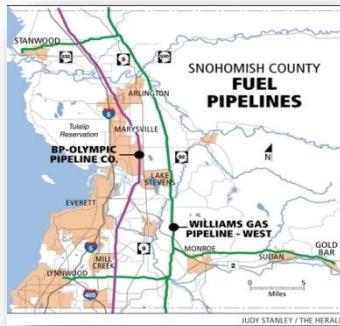
Cargo Vessel Spill



Barge Aground



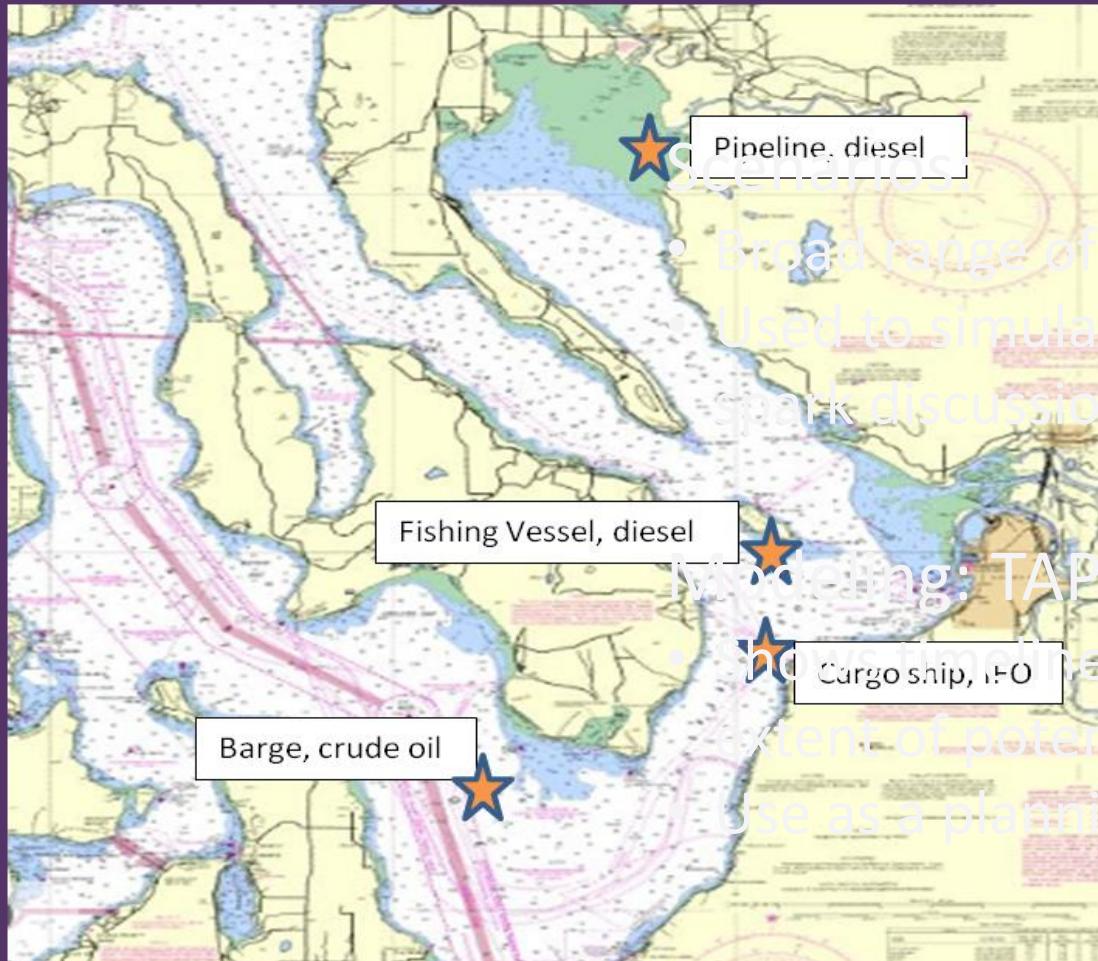
Pipeline Spill



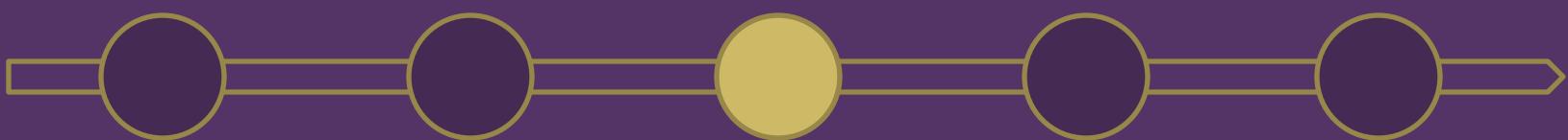
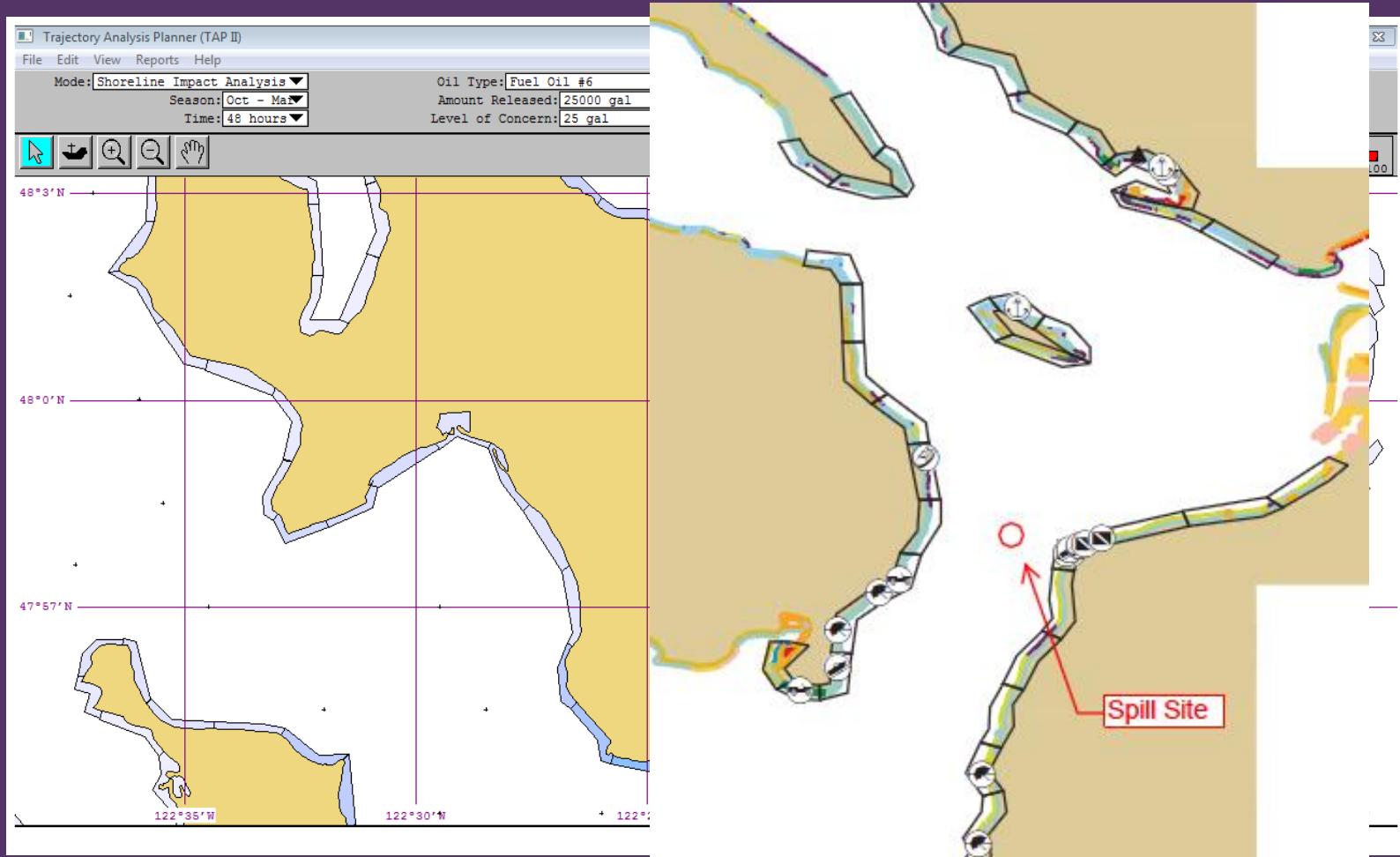
Fishing Vessel Sinking



Scenarios



Scenarios



Gap Analysis

Identified Gaps:

- Participation in Planning Process
- Communication
- Local Knowledge
- Volunteer Utilization



Options

	Volunteer Utilization	Local Knowledge	Communication	Participation
Pre-identify Volunteer Roles	X			
Maintain List of Contacts			X	
Tabletop Exercises	X	X	X	X
Sign up for the GRP listserv				X
Coordinate Community input to GRP/NWACP		X		X
...				



- Fully within County's capacity
- County has partial capacity to implement
- Beyond County's capacity

CAPACITY					
	Authority	Resources Required	Frameworks	Independence	Avoids Duplication of Effort
Pre-identify Volunteer Roles					
Maintain list of contacts					
Tabletop exercises					
Sign up for the GRP list serv					
Coordinate community input to GRP/NWACP					

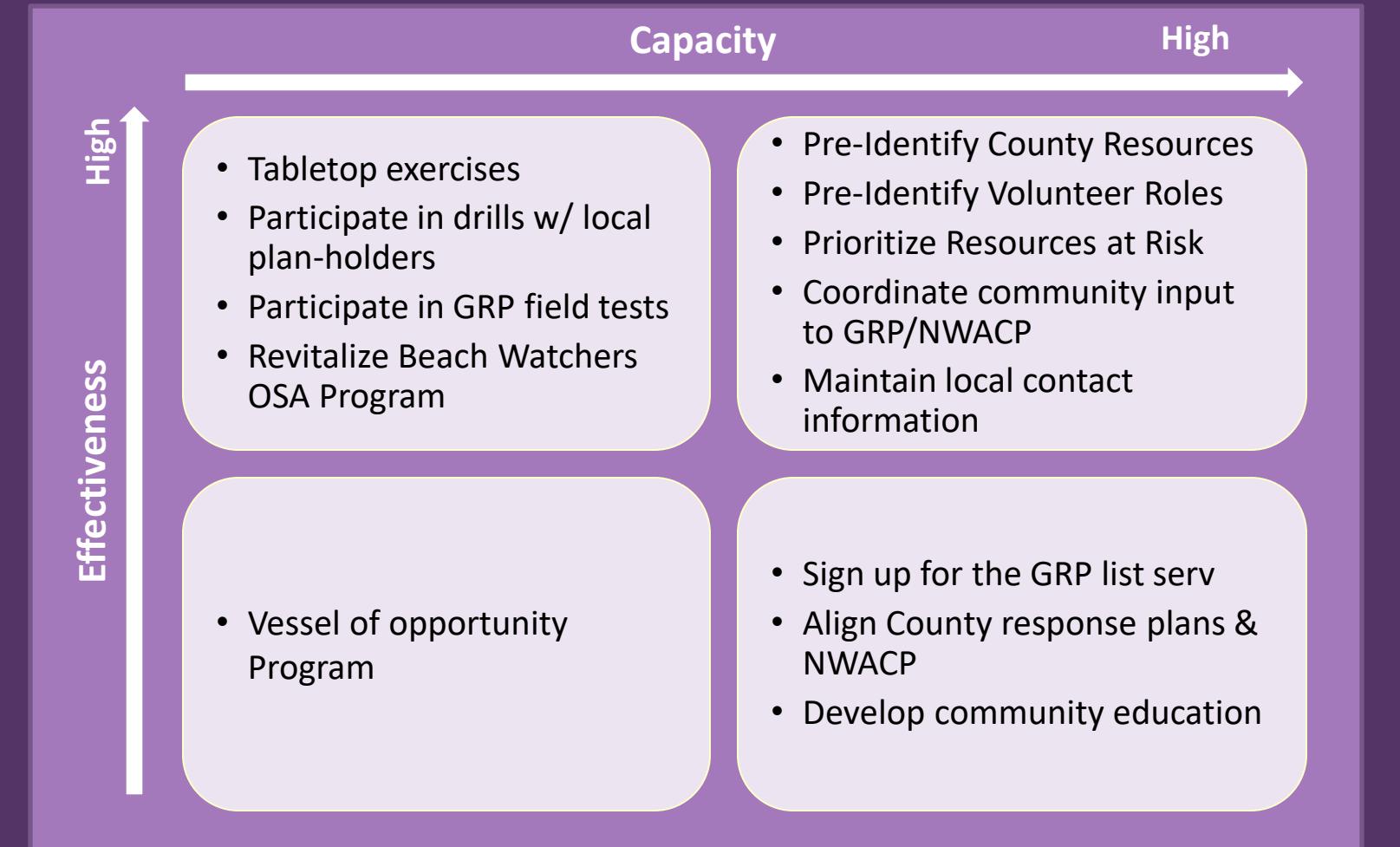


- improves planning/response effectiveness
- moderately improves effectiveness
- has no effect in this category

	EFFECTIVENESS				
	Community Engagement	Communication Flows	Increase Trust (w agencies)	Increase Influence	Community Knowledge
Pre-identify Volunteer Roles					
Maintain list of contacts					
Tabletop exercises					
Sign up for the GRP list serv					
Coordinate community input to GRP/NWACP					



Recommendations



Next Steps

- Revise options and criteria as needed
- Identify areas for further research
- Reach out to partner organizations (NWSC, DOE, Coast Guard) and in-County expertise for strategy development



Thank You

	Capacity					Effectiveness			
	Authority	Resources Required	Frameworks	Independence	Avoids Duplication of Effort	Community Engagement	Communication Flows	Increase Trust (w agencies)	Increase Influence
Status Quo									
Pre-identify County Resources		Yellow							
Pre-identify Volunteer Roles		Yellow		Red					
Prioritize Resources at Risk		Yellow		Yellow		Yellow			
Maintain list of contacts				Yellow	Yellow				
Tabletop exercises		Yellow		Yellow	Red				
Participate in drills w/ local plan-holders	Yellow	Yellow		Red					
Sign up for the GRP list serv				Yellow			Yellow		Yellow
Request and Participate in GRP field tests	Yellow	Yellow		Red		Yellow			
Coordinate community input to GRP/NWACP				Yellow					
Ensure alignment between County response plans & NWACP	Yellow			Yellow					
Develop community education		Yellow		Yellow					
Revitalize Beach Watchers OSA Program	Yellow	Red		Red					
County Vessel of Opportunity Program	Yellow	Red	Yellow	Red	Red				Yellow

	Volunteer Utilization	Local Knowledge	Communication	Participation
Status quo				
Pre-identify County Resources	X	X		
Pre-identify Volunteer Roles	X			
Prioritize Resources at Risk		X		
Maintain List of Contacts			X	
Tabletop Exercises	X	X	X	X
Participate in Drills with Local Plan-Holders		X	X	
Sign up for the GRP listserv				X
Request & Participate in GRP field tests		X	X	X
Coordinate Community input to GRP /NWACP	X			X
Align County response plans & NWACP			X	X
Develop Community Education			X	
Revitalize Beach Watchers OSA Program	X	X		
County Vessel of Opportunity Program		X		