



GEOGRAPHIC RESPONSE STRATEGIES (GRS)

POTENTIAL PLACES OF REFUGE (PPOR)



Alaska Department of Environmental Conservation

WHAT ARE GRS ?

Geographic Response Strategies are pre-planned response strategies that protect sensitive, geographically limited areas in the event of an oil spill.



PRIMARY GUIDING PRINCIPLES

- Create site-specific responder-oriented strategies and tactics to protect sensitive areas.
- Strategies should be flexible and modifiable to fit prevailing conditions.
- GRS are not a legal requirement.

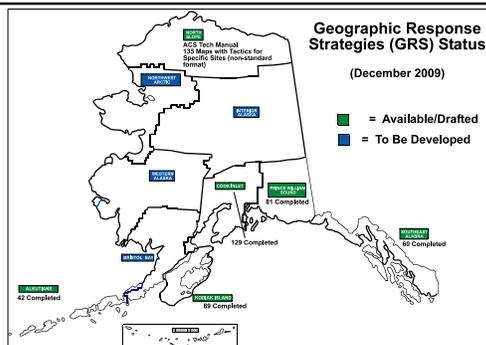


PRIMARY GUIDING PRINCIPLES

- Identify resources at risk and set priorities for their protection.
- Provide lists of equipment and personnel needs, logistical information, and field instructions.
- Make practical to implement, test & update.



Nearly 400 GRS have been developed for the State of Alaska



1ST STEP: ASSEMBLE A WORKGROUP

Workgroup assembled of people with the skills, background and expertise to develop the various components of the GRS.

Representatives are sought from:

- Industry
- Spill Response Cooperatives
- Federal and State Resource Agencies
- Local Towns, Villages and Tribal Groups

2nd STEP: SITE SELECTION PROCESS

- Preliminary Site Selection by Natural Resource Agencies and the Workgroup
- Additional Public Input
 - Fact Sheet, Maps
 - Outreach to interested groups and tribal organizations
 - Public Presentations
- Final Site Selection by GRS Workgroup

CRITERIA FOR SITE SELECTION



- Environmental Sensitivity

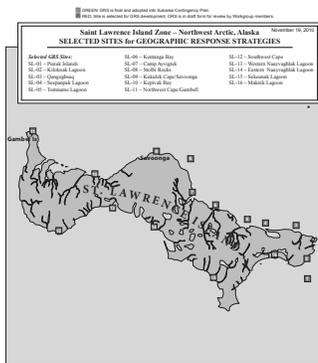


- Risk of Potential Oil Spill



- Ability to Protect the Site

DRAFT SITE SELECTIONS



3rd STEP: TACTICS GROUP

- Design general protection and recovery tactics
- Gather information on the selected sites:
 - Maps and Charts
 - Photos
 - Sensitive resources
 - Local Knowledge
- Adapt tactics specifically to each site
- Design the plans

GATHERING SITE INFORMATION

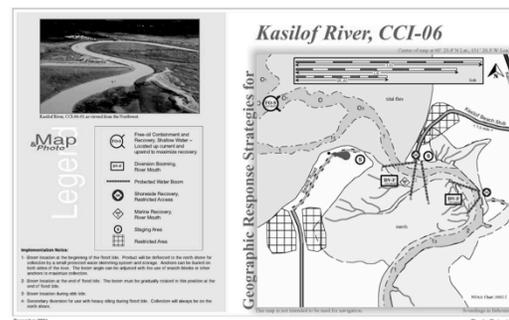


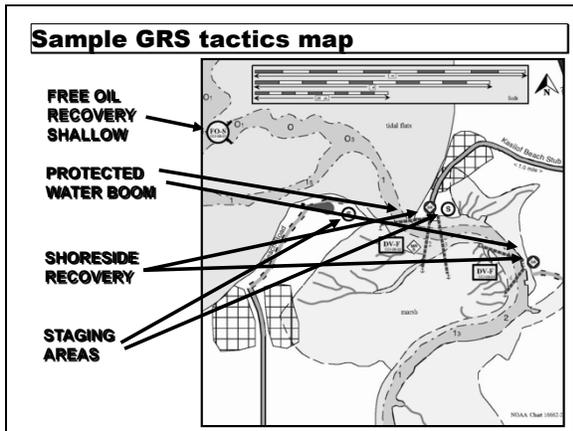
Information is collected on the prevailing winds, currents and other local conditions which could impact the response.



Site characteristics and dimensions, wildlife info and other notable features in the area are sought out.

GRS Front Page





GRS Back Page

Location and Description	Response Strategy	Implementation	Response Equipment	Staging Area	Site Access	Resources Protected	Special Considerations
1. 1/2 mile north of the mouth of the... 2. 1/2 mile south of the mouth of the... 3. 1/2 mile east of the mouth of the...	Response Strategy	Implementation	Response Equipment	Staging Area	Site Access	Resources Protected	Special Considerations
4. 1/2 mile west of the mouth of the... 5. 1/2 mile south of the mouth of the... 6. 1/2 mile east of the mouth of the...	Response Strategy	Implementation	Response Equipment	Staging Area	Site Access	Resources Protected	Special Considerations
7. 1/2 mile north of the mouth of the... 8. 1/2 mile south of the mouth of the... 9. 1/2 mile east of the mouth of the...	Response Strategy	Implementation	Response Equipment	Staging Area	Site Access	Resources Protected	Special Considerations

Arrows from the labels below point to specific cells in the table:

- LOCATION & DESCRIPTION:** Points to the first column.
- RESPONSE STRATEGY:** Points to the second column.
- IMPLEMENTATION:** Points to the third column.
- RESPONSE EQUIPMENT:** Points to the fourth column.
- STAGING AREA:** Points to the fifth column.
- SITE ACCESS:** Points to the sixth column.
- RESOURCES PROTECTED:** Points to the seventh column.
- SPECIAL ISSUES:** Points to the eighth column.

PUBLIC PROCESS

All documents generated by the workgroup are available for review online.

PREVENTION

GRS' are planned in advanced and are a tool in the spill response toolbox.
 But the best plan is preventing or reducing the risk of a spill.

Potential Places of Refuge in Alaska

Place of Refuge

A temporary location to stabilize a vessel, protect life, remove hazards, protect public health and resources.

Site Information for Alcatraz PPOR Map-03

Site Considerations for PPOR Map 03 of the Alcatraz Subarea									
Site Number	Site Name	Site Type	Site Class	Site Status	Site Location	Site Coordinates	Site Description	Site Notes	Site Action
001	Alcatraz Island	Island	Class 1	Active	San Francisco Bay	37.8133 N, 122.4210 W	Historic site, former federal prison, now a national historical landmark.	Preserved for historical and cultural purposes.	Preserve
002	Alcatraz Island	Island	Class 1	Active	San Francisco Bay	37.8133 N, 122.4210 W	Historic site, former federal prison, now a national historical landmark.	Preserved for historical and cultural purposes.	Preserve
003	Alcatraz Island	Island	Class 1	Active	San Francisco Bay	37.8133 N, 122.4210 W	Historic site, former federal prison, now a national historical landmark.	Preserved for historical and cultural purposes.	Preserve

Physical and Operational Characteristics for PPOR Map 03 of the Alcatraz Subarea

Site Number	Site Name	Site Type	Site Class	Site Status	Site Location	Site Coordinates	Site Description	Site Notes	Site Action
001	Alcatraz Island	Island	Class 1	Active	San Francisco Bay	37.8133 N, 122.4210 W	Historic site, former federal prison, now a national historical landmark.	Preserved for historical and cultural purposes.	Preserve
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Conclusions

- Decision-making guidelines and pre-incident planning greatly aid the Unified Command during an actual event
- Public involvement at the planning stage is critical to success
- Planning may reduce the risks and severity of future spills

More Information at the Project Websites:

GRS webpage:
<http://www.dec.state.ak.us/spar/perp/grs/nwa/home.htm>

PPOR webpage:
<http://www.dec.state.ak.us/spar/perp/nwappor/index.htm>

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