

Olympic Coast National Marine Sanctuary Advisory Council



Planning for coastal responses, new opportunities and how to get involved

Cycle of Preparedness



Vessel Plans: meeting the state requirements

Submit a plan that covers your fleet or your operations

Enroll in the “umbrella” plan that is maintained on behalf of its members. Pay into it each time you transit WA waters.

- Tank and non tank vessels
- Worst case spill volume that varies by area
- Local team that knows our community values
- In place until the spiller brings their team to manage the response
- Cost effective but less direct relationship with the vessel operators



Vessels of Opportunity System

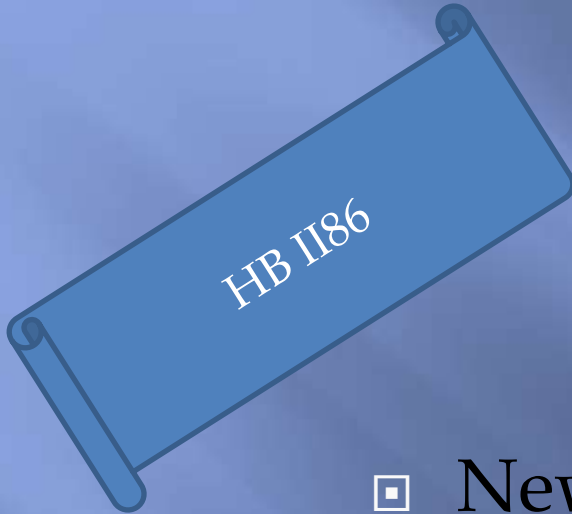
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Vessels of Opportunity are critical assets during a major oil spill – fill many needs for water transportation ...may also give economic relief to those affected by a spill



Best achievable protection



- ▣ New standard applied to oil spill planning – consider again every 5 years
- ▣ Highest levels through best technology, staffing, training and operational methods
- ▣ Rule completed by 2012



Enhanced Skimming on Puget Sound Using Existing Oil Recovery Technology



Buster Technology Used in the Gulf Spill

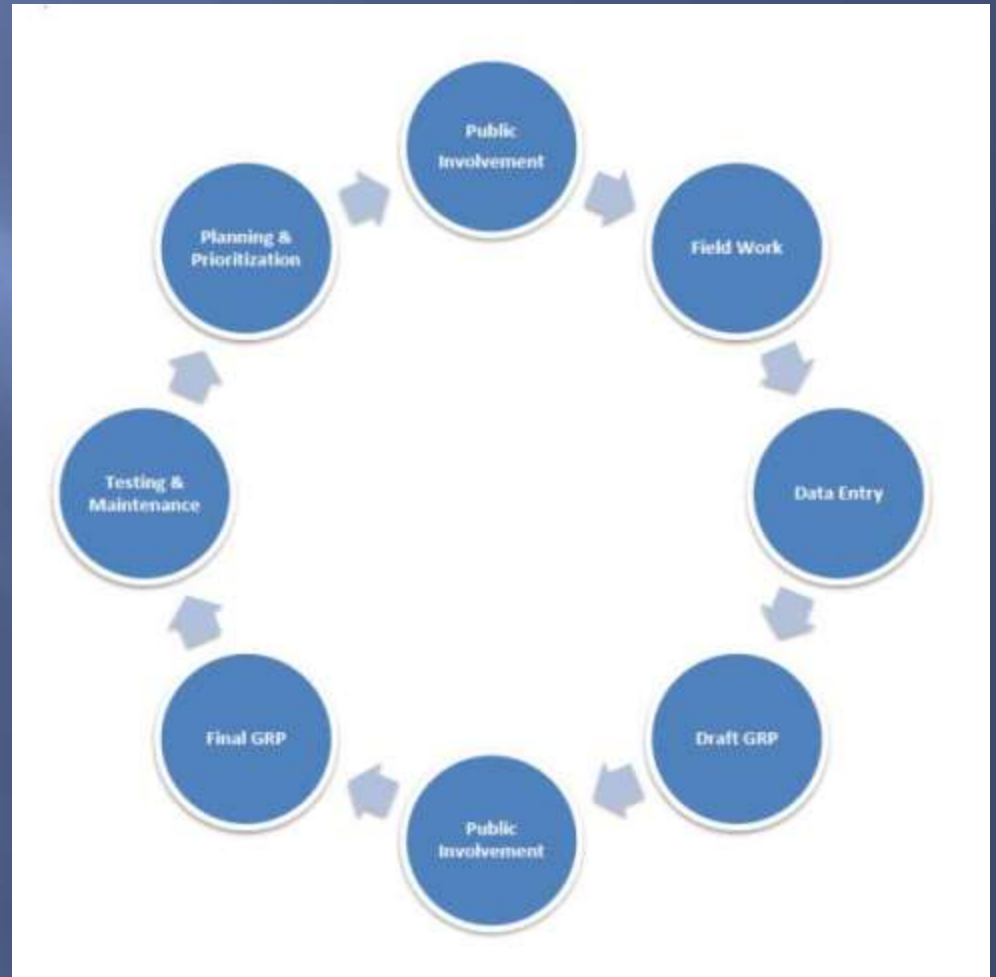


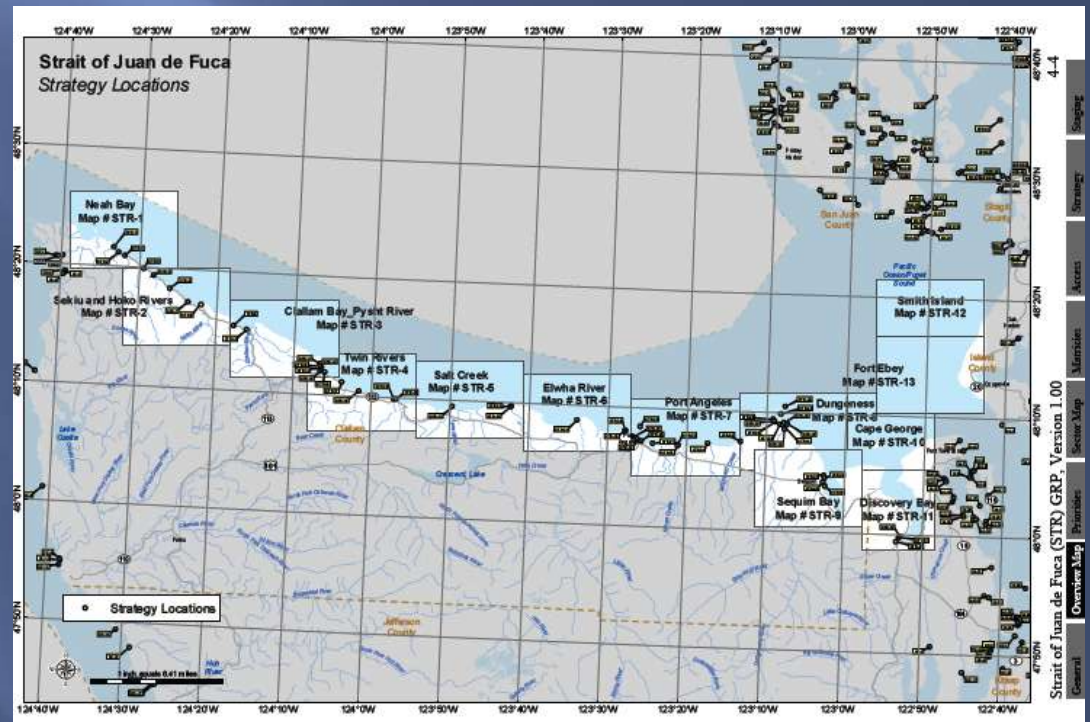
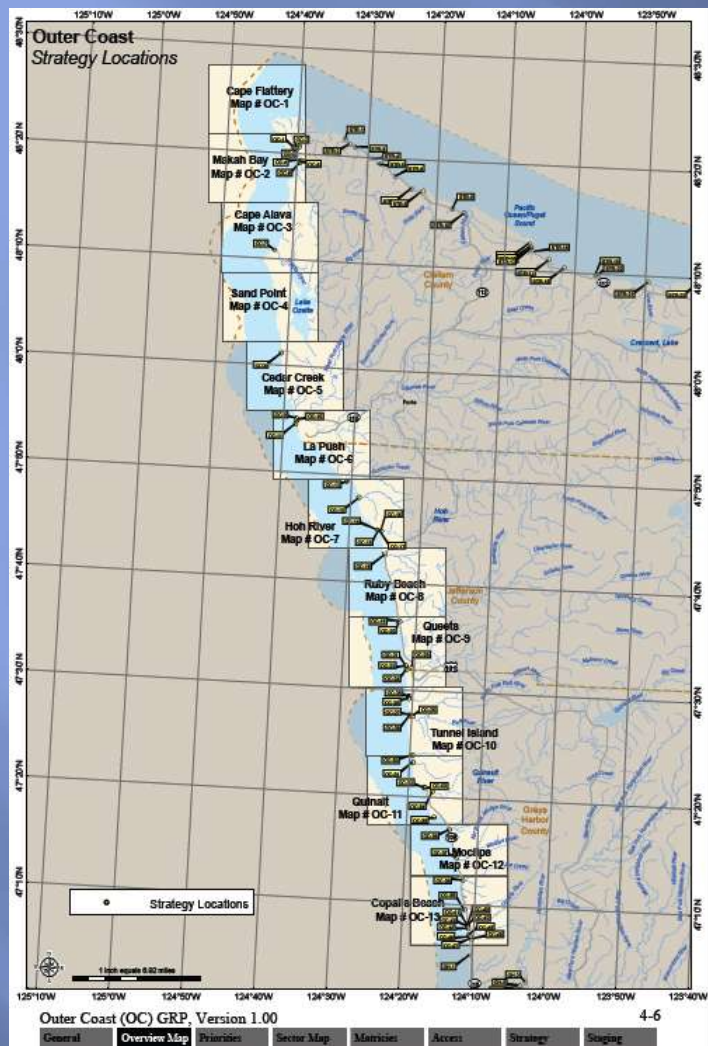
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Volunteer Coordination System

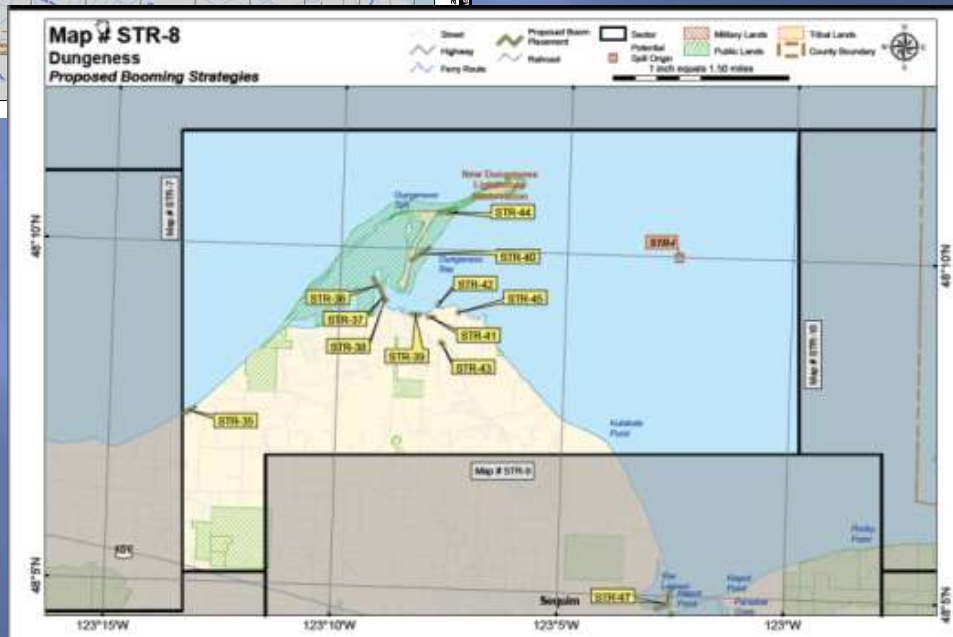
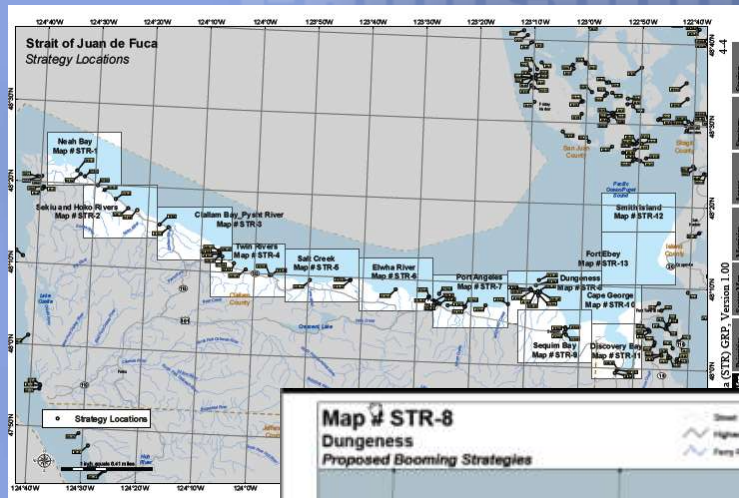
Geographic Response Plans

- ❑ Oil Spill Response Strategies and more.
- ❑ Initial/emergency phase of a response but contain information that can be used throughout a response
- ❑ 27 such plans in the Northwest, including 19 in Washington State





Geographic Response Plans



- Maps, priority tables for strategies, and a list of specific instructions and information about each strategy.

Table 4-9: STR-I, E of Dungeness, Potential Spill Origin Booming Priority

Booming Priority	Strategy Number	Sector Map Page Number	Sector Matrix Page Number	Strategy Details Page Number
SOURCE CONTROL AND CONTAINMENT ARE ALWAYS PRIORITY ONE				
1	STR-40	4- 22	4- 46	4- 138
2	STR-37	4- 22	4- 44	4- 132
3	STR-38	4- 22	4- 45	4- 134
4	STR-36	4- 22	4- 44	4- 130

4.5 Proposed Booming and Collection Strategies - Matrices

Table 4-10: Proposed Booming Strategies and Resources Targeted (Cont)

Strategy	Current Status	Location (NAD83 HARN)	Response Objective	Feet of Boom	Strategy Implementation	Shoreline Oblique Photo	Resources Targeted
IF FIELD CONDITIONS REQUIRE MODIFICATION DO IT, THEN NOTIFY COMMAND							
STR-14	Visited and Not Tested 07/24/2007	Pysht River W bank near mouth N 48° 12.247' W 124° 6.485' map page 4-17 Chart #: 18460	Collection - keep oil in the main channel for collection upstream	800ft B3 - River Boom	Deploy boom parallel to the main channel on the west bank. Will need boat to get to the west bank. At low tide most of area is mud - bring waders. Contact immediately or before entering: Ring Merrill and Ring Physt Tree Farm, (W) 800-827-2367, Tree farm along Pyst River, controls private roads to river.	http://apps.ecy.wa.gov/shorephotos/scripts/bigphoto.asp?id=CLA0340	waterfowl, shore birds, baitfish, salmonids (anadromous), shellfish, sensitive habitat

Site Lat/Long:	N 48° 9.191' / W 123° 7.820', Sector Map STR-8
Strategy Objective:	Exclusion - keep oil out of the Dungeness River.
Implementation:	Deploy boom across the east channel of the Dungeness River as near to the mouth as possible. The position of the mouth is variable due to shifting delta sediments. Ensure that the boom also blocks the mouth of Meadowbrook Creek.
Field Notes:	Boat access from the Oyster House ramp, the John Wayne Marina, or Port Angeles. Vehicle access to the Oyster House boat ramp from Highway 101 in Sequim to Sequim-Dungeness Way to Marine Drive. Access
Resources Targeted:	salmonids (anadromous), sensitive habitat, waterfowl, shorebirds
Fixed Anchors:	122: N 48° 9.157' / W 123° 7.818', Water Depth 0ft, east bank, the actual location will be dependent on real time conditions, adjust as needed.
Watercourse Description:	River side channel, east channel, very dynamic



48°9.33'N

123°8'W

123°7.67'W



0 250 500 1,000 Feet

Suggested Equipment

Quantity	Description
200 ft	B3 - Contractor Boom
4 each	Stake(s)

Suggested Personnel

2	Laborer (s)
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Status: Visited and Not Tested 10/16/2007

Dungeness River Mouth E Channel

STR-42-Average

4-143

**Site Contact Information**

No contact information available.

Image-1045: Dungeness River east channel overview

No Image Available

**Closest Address:**

482 Rivers End Rd., Sequim, 98382

Driving Directions:

Depart Sequim

1. Go West on E Washington St toward W Washington St/S Sequim Ave/N Sequim Ave (0.02 Mile(s))
 2. Turn right on N Sequim Ave (1.01 Mile(s))
 3. Continue on Sequim Dungeness Way (3.61 Mile(s))
 4. Continue on E Anderson Rd (0.36 Mile(s))
 5. Make sharp right on Rivers End Rd (0.48 Mile(s))
- Arrive at 482 Rivers End Rd., Sequim, WA, 98382, on the right

Drills, Lessons Learned

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9 11:49 AM







Other changes in 1186

- ▣ Increased natural resourced damage assessment range for large spills – credit for best efforts to recover on water and avoid shoreline impacts.
- ▣ Liability for damages – includes damages from use of dispersants and burning (in situ burns).
- ▣ Request that the federal government provide more funds for equipment caches

Spill Response Equipment Cache Locations

Legend

- Equipment Locations
- Regions





Questions?

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Oil Spill Prevention



- ❑ Board and inspect covered cargo and passenger vessels.
- ❑ Inspect oil refineries and marine terminals.
- ❑ Improve waterway management including transboundary tanker traffic and tank vessel escort.
- ❑ Inspect oil transfer and pre-booming operations.
- ❑ Promote voluntary “best achievable protection” for oil tankers and oil barges.
- ❑ Investigate the causes of vessels and facility spills.
- ❑ Take action to eliminate intentional waste oil dumping by ships.

Response



Protect public health/safety, the environment and economy by:

- Rapidly and aggressively responding to and cleaning up oil and hazardous material spills - 24 hours/day from 6 offices.
- Building response capability at the local level.
- Cleaning up methamphetamine drug labs.
- Expanding remote sensing and spill tracking capability.

Natural Resource Damage Assessment



Restore oil damaged environments through our Natural Resource Damage Assessment (NRDA) program by:

- Assessing the impact of spills on state natural resources in partnership with other state, tribal and federal trustee agencies.
- Using the Coastal Protection Account to fund and leverage environmental projects.