

# Geographic Response Plans (GRPs)



# Key Messages

- Ecology is a Response Resource.
- Geographic Response Plans (GRPs) are one of the tools we use to respond to oil spills on or near the water.
- GRPs are developed with input from communities; it's an inclusive process.



Prevention

Response

Preparedness

Statewide  
Resources

# Questions to Answer

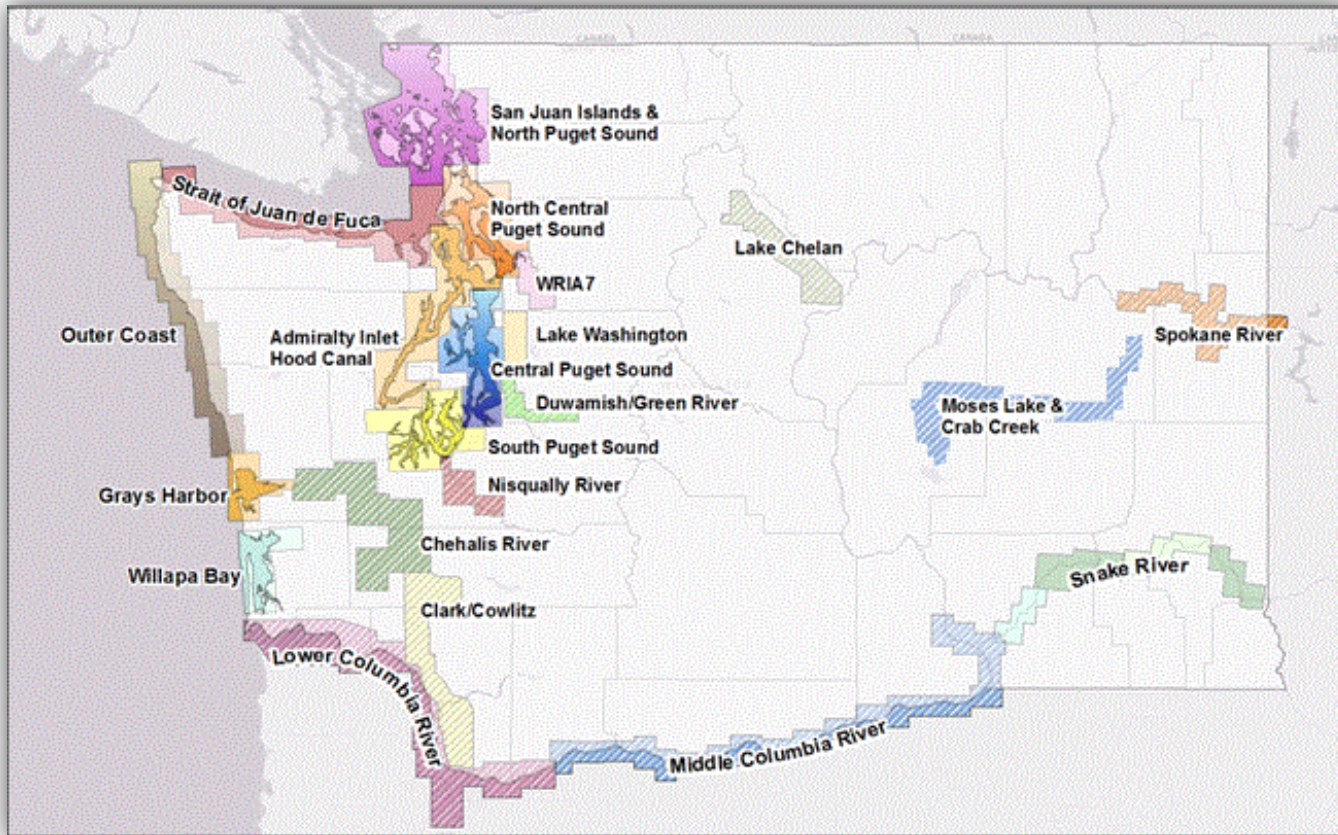
- Why are Geographic Response Plans (GRPs) important?
- What are they? What's in them?
- How are they developed?
- How might they be used during an oil spill?
- Admiralty Inlet GRP Update & Timeline
- How you can help?

# Why are GRPs Important?

- Part of the regional & area plan for spill response called the Northwest Area Contingency Plan (NWACP)
- Focused on the protection of sensitive resources during a spill; those on or near the water.
- Goes beyond efforts to control and contain a spill at or near the source.
- Helps ensure consistency and coordination in the way we protect sensitive resources during oil spills (federal, state, tribal, & local).
- Provides trustees and the public a voice on areas of concern or importance to them.

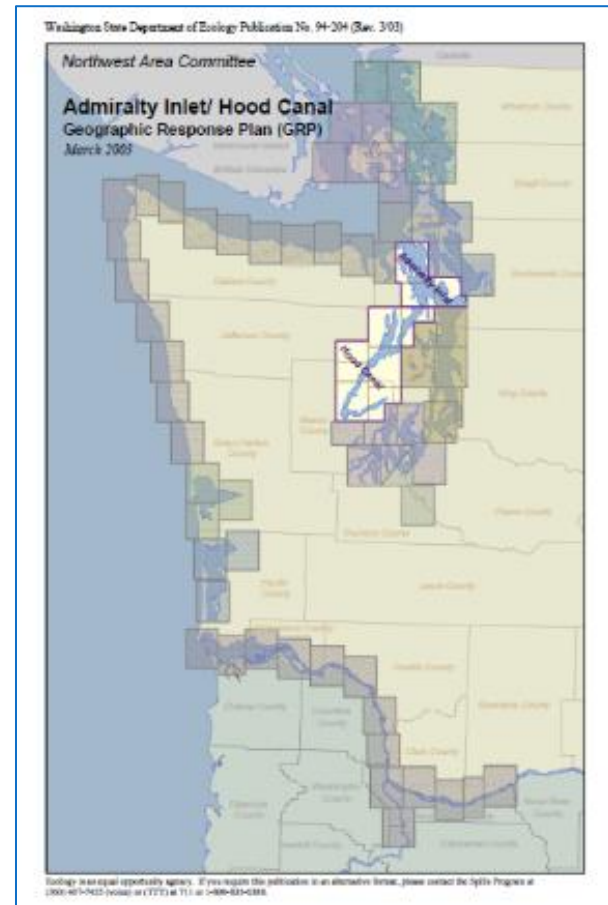


# Currently, 27 GRP Areas in Washington State



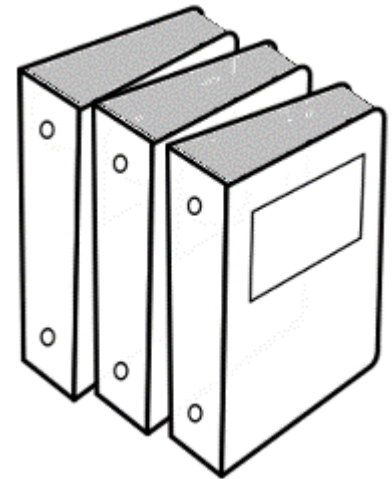
# What are Geographic Response Plans (GRPs)?

- One of several plans used during early hours of an oil spill and beyond.
- Spills on or near the water
- Are deployed to protect sensitive resource during initial phase (early hours) of a spill response.
- Plans that focus on the protection of natural, cultural, and economic resources; not spill control and containment.
- Sensitive resources and strategies for protection are pre-identified



# What is in the Plan?

- Spill Response Contact Sheet
- Chapter 1 – Introduction
- Chapter 2 – Site Description
- Chapter 3 – Response Options & Considerations
- Chapter 4 – Response Strategies & Priorities
- Chapter 5 – Shoreline Countermeasures or “Reserved”
- Chapter 6 – Resources at Risk



# Spill Response Contact Sheet

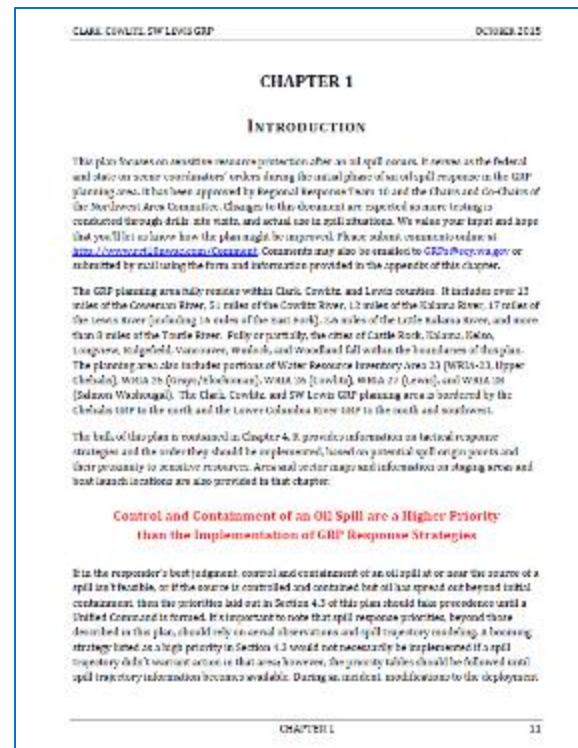
- Federal and State required notifications (NRC & WEMD)
- Federal Agencies (USCG, EPA, USDOJ, NOAA, USFWS)
- State Agency Contacts (Ecology, WDFW, DNR, Health, WDAHP, Parks)
- Tribal Governments
- Local Governments (County & Municipal)
- Response Contractors
- Regulated Industry and Others (Facilities, Vessel Companies, Pipeline, Rail)

CLARK COUNTY, WA LAW ENFORCEMENT		OCTOBER 2015	
<b>SPILL RESPONSE CONTACT SHEET</b>			
Federal Notification - National Response Center		800 424-6302*	
State Notification - Washington Emergency Management Division		800 278 7966*	
* Other Contact Numbers *			
<b>U.S. Environmental Protection Agency</b>		<b>Washington State</b>	
Region 10 - Gulf Coordinator	206 974 2307	State Administrator & Incident Response	360 504 3065
Washington Field Office	206 724-8421	DEPT OF ECOLOGY	
WATER/SLURRY/SLUDGE	206 424-8276	- HAZARDOUS (24/7)	206 861-4000
Oil Spills	206 252-2222	- Combined Response Office (24/7)	206 861-7029
		type of spill and volume	
		- Oil Spill Team (24-hour Page)	206 861-8237*
		Region 9 (Continental)	206 864-8711
		- Emergency spill assistance	206 861-8237*
		DEPT OF HEALTH SERVICES (24/7)	206 241-6242
		- Other Spills: Public Health	206 861-8605
		Physical Mutual Response	206 861-2666
		Department of Transportation	206 759 7000
		Washington State Emergency and Assistance	206 861-4244
		Washington State Patrol (24-hour)	206 845 7000
<b>U.S. Coast Guard</b>			
WATER COASTGUARD FORCE	242 861-4111*		
- COASTGUARD CENTER	202 811-2171*		
- Incident Management System	202 811-2277		
- Marine Safety and Pollution	202 240-8113		
- USA Coast Guard Service (24 hours)	242 861-4119		
14th Coast Guard District	206 967-6613		
National Center for Environmental Education	202 974 4036		
Public Water Trust	206 428 9111		
<b>National Oceanic and Atmospheric Administration</b>		<b>Tribal Contacts</b>	
Disaster Support Coordinator	204 520-6128	Carbonate Dredge and Tailings	206 278 9111
WATER/SLURRY/SLUDGE	204 241-6118	- Carbon Resources	206 278
		- Natural Resources	206 278-2000
		- P&G 24/7	206 278-2000
		COMBIL 24/7	206 278-2000
		WATER/SLURRY/SLUDGE (24/7)	206 878-2428
		TRIMBA SERVICE	206 861-2512/3000
<b>Other Federal Agencies</b>			
U.S. Dept. of Wildlife Service	206 326-6117*		
U.S. Department of Justice	202 524-2400		
<b>Porter Companies, Bulkhead, &amp; Dam</b>		<b>Local Government</b>	
87 Olympic Pipeline	206 271 8888*	City of Carbon (Public)	206 278 4211
Washington Northern State Railway	206 833-0400*	City of Bellingham (Public)	206 878 2146
Systems and Control System	206 833-0400	City of Everett (Public)	206 861-0000
Lines and Cables (Columbia River Railroad)	206 349-8330	City of Everett (Public)	206 861-0000
Port of Everett (Marine Dept)	206 822-6927	City of Mukwonago (Public)	206 223-8900
TRIMBA SERVICE (24/7) (24/7)	206 252-6100	Clark County - OREGON	206 868-8900*
Water Front Bulkhead	206 877 7347*	- Multinational Agency (24/7) (24/7)	206 861 9111*
		Spills (see response)	206 861 2137*
		Clark County Office	206 878 8100
		Clark County Emergency Services	206 878 8100
		Clark County Emergency Management	206 740-2130
<b>Response Contractors (2002 &amp; 980)</b>			
Combi Clean Service	206 422-6118*		
EMERGENCY AND Salvage	206 422-6118*		
EMERGENCY RESTORATION SERVICE	206 422-6118*		



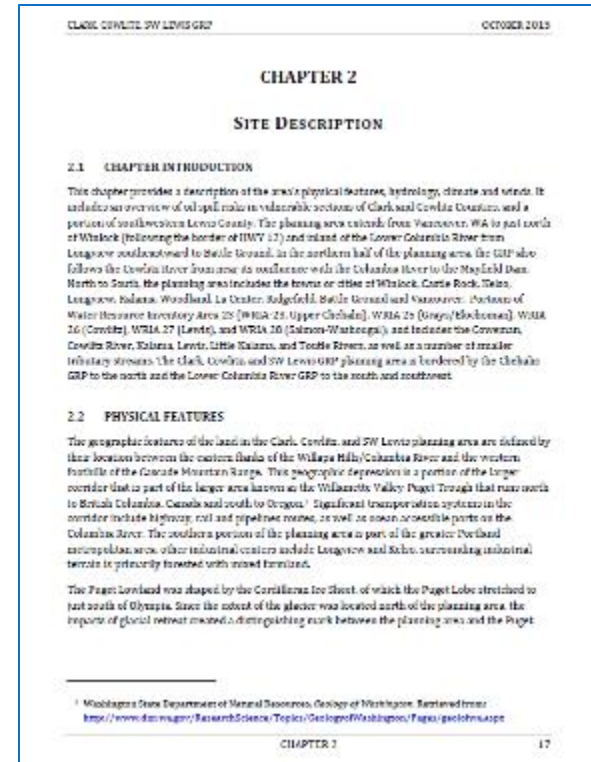
# Chapter 1 - Introduction

- Answers What & Why  
(What the plan is and why it exists)
- Describes Area Covered (planning area)
- Describes GRP Development Process
- Language Used (NIIMS ICS terminology)
- Terminology & Definitions  
(Reference back to NWACP)



# Chapter 2 – Site Description

- Physical Features (Geography & Geology)
- Hydrology
- Climate & Winds
- Tides & Currents
- Risk Assessment  
(Oil spill risks present in planning area)



# Chapter 3 – Response Options & Considerations

- Cities/Towns in Planning Area
- Waterbody Types  
(at or near those cities or towns)
- Potential Response Options  
(wildlife recover, skimming, dispersant use, burning)
- Considerations for those Locations  
(access issues, ownership of lands, T&E species, risks)
- Map of Locations Mentioned

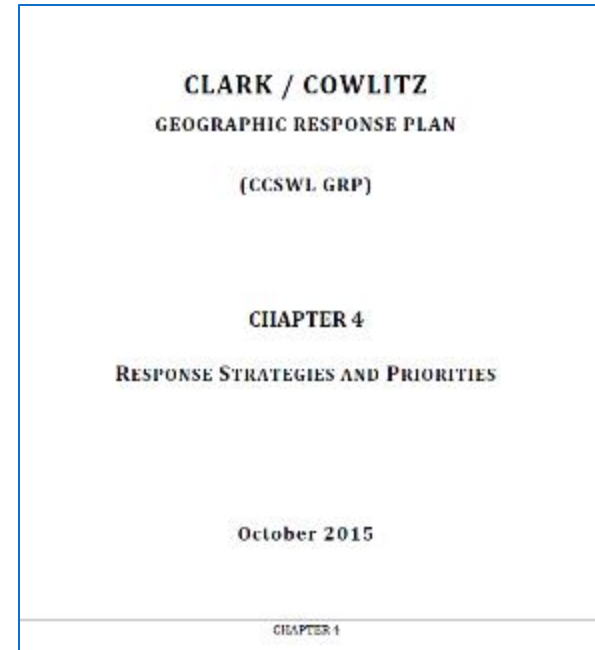
CLARE CONVILLE/DW LEWIS/GRF OCTOBER 2015

CHAPTER 3 RESPONSE OPTIONS AND CONSIDERATIONS		Location						
		Vancouver	Bellevue	Woodland	Kirkland	Langley/Fish	Castle Rock	Tulaloo
Waterbody	Rivers	*	*	*	*	*	*	*
	Creeks	*	*	*	*	*	*	*
	Lakes	*						
	Pool Areas formed by Dams							
	Tidal Influenced Areas	*	*	*	*	*	*	*
	Wetland Area(s)	*	*	*	*	*	*	*
	Intermittent Streams (Seasonal Flow)	*	*	*	*	*	*	*
Potential Response Options	Source Control and Containment Activities	*	*	*	*	*	*	*
	Aerial / Vessel Surveillance Activities	*	*	*	*	*	*	*
	Wildlife Rescue and Rehabilitation Activities	*	*	*	*	*	*	*
	Air Boat Use (Area Recommended)	*	*	*	*	*	*	*
	Collection for Skimming Operations (Area 1)	*	*	*	*	*	*	*
	Vessel Based Skimming Operations (Area 2)	*	*	*	*	*	*	*
	Shore Based Skimming Operations (Area 3)	*	*	*	*	*	*	*
	Shoreline Protection Flooding (Area 4)	*	*	*	*	*	*	*
Considerations	In-Situ Burning (Area 5)							
	Dispersant Use (Area 5)							
	Shoreline Access can be Limited by Geography	*	*	*	*	*	*	*
	Shoreline Access can be Limited by Private	*	*	*	*	*	*	*
	State or National Wildlife Refuge / Recreation	*	*	*	*	*	*	*
Threatened/Endangered Terrestrial Species (Area 6)	*	*	*	*	*	*	*	
Public or Commercial Marina(s) in Area	*	*	*	*	*	*	*	
Commercial Vessel Movement / Port Area	*	*	*	*	*	*	*	
Recreational Boat Traffic	*	*	*	*	*	*	*	
Tribal Lands or U and A Interests (Area 7)	*	*	*	*	*	*	*	
Historic / Cultural District(s) in Area	*	*	*	*	*	*	*	
Dam(s) in Area	*	*	*	*	*	*	*	
Interstate Highway Corridor	*	*	*	*	*	*	*	
Oil Movement by Rail in Area	*	*	*	*	*	*	*	
Oil Pipeline(s) in Area	*	*	*	*	*	*	*	

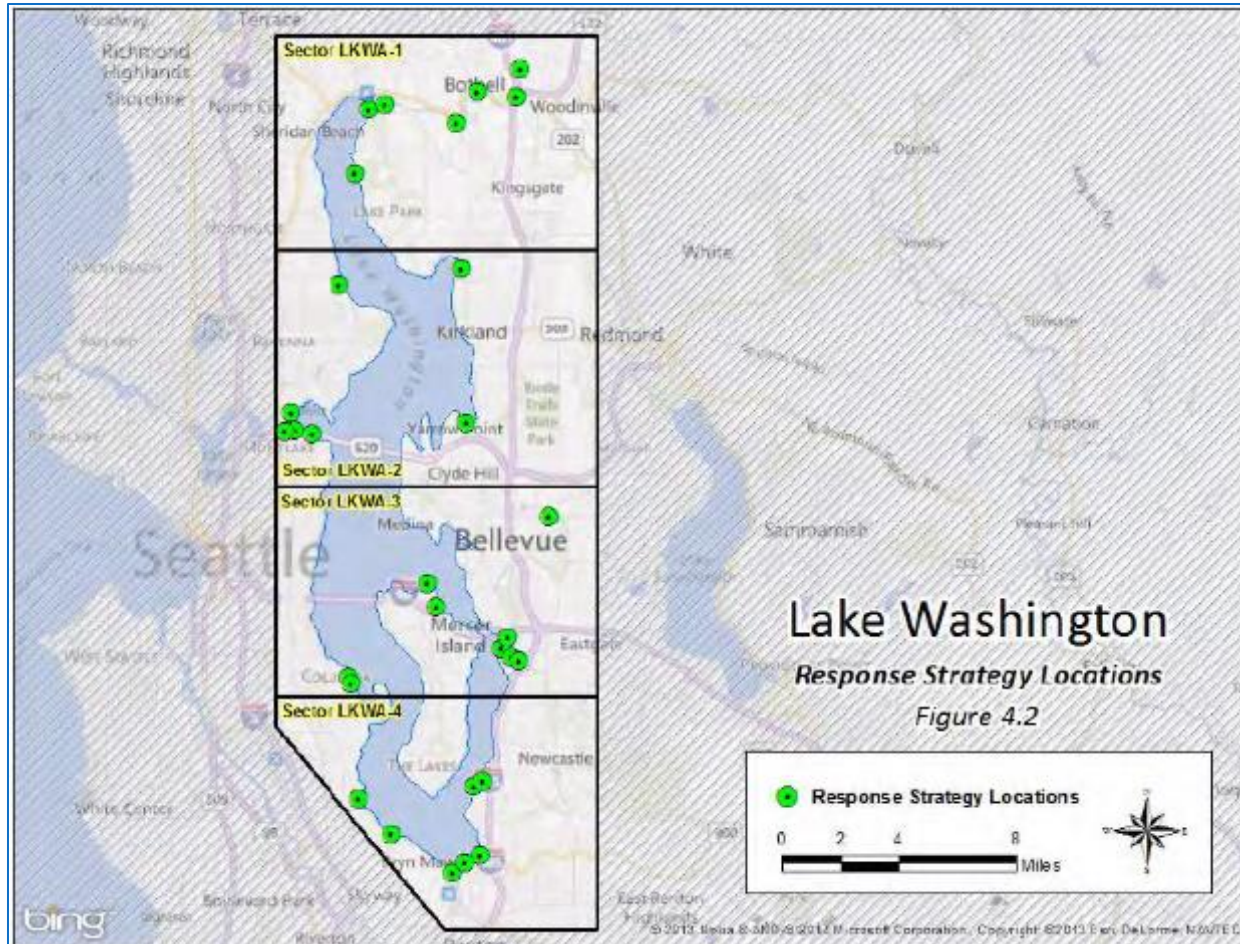
CHAPTER 3 25

# Chapter 4 – Response Strategies & Priorities

- Bulk of the Plan is in this chapter
- Area & Sub-Area (Sector) Maps
- Priority Tables  
(order response strategies should be deployed based on the location where an oil spill occurs)
- Matrix/Tabular Information
- Detailed 2-Page Information Sheets
  - Response Strategies
  - Notification Strategies
  - Staging Areas
  - Boat Launch Locations

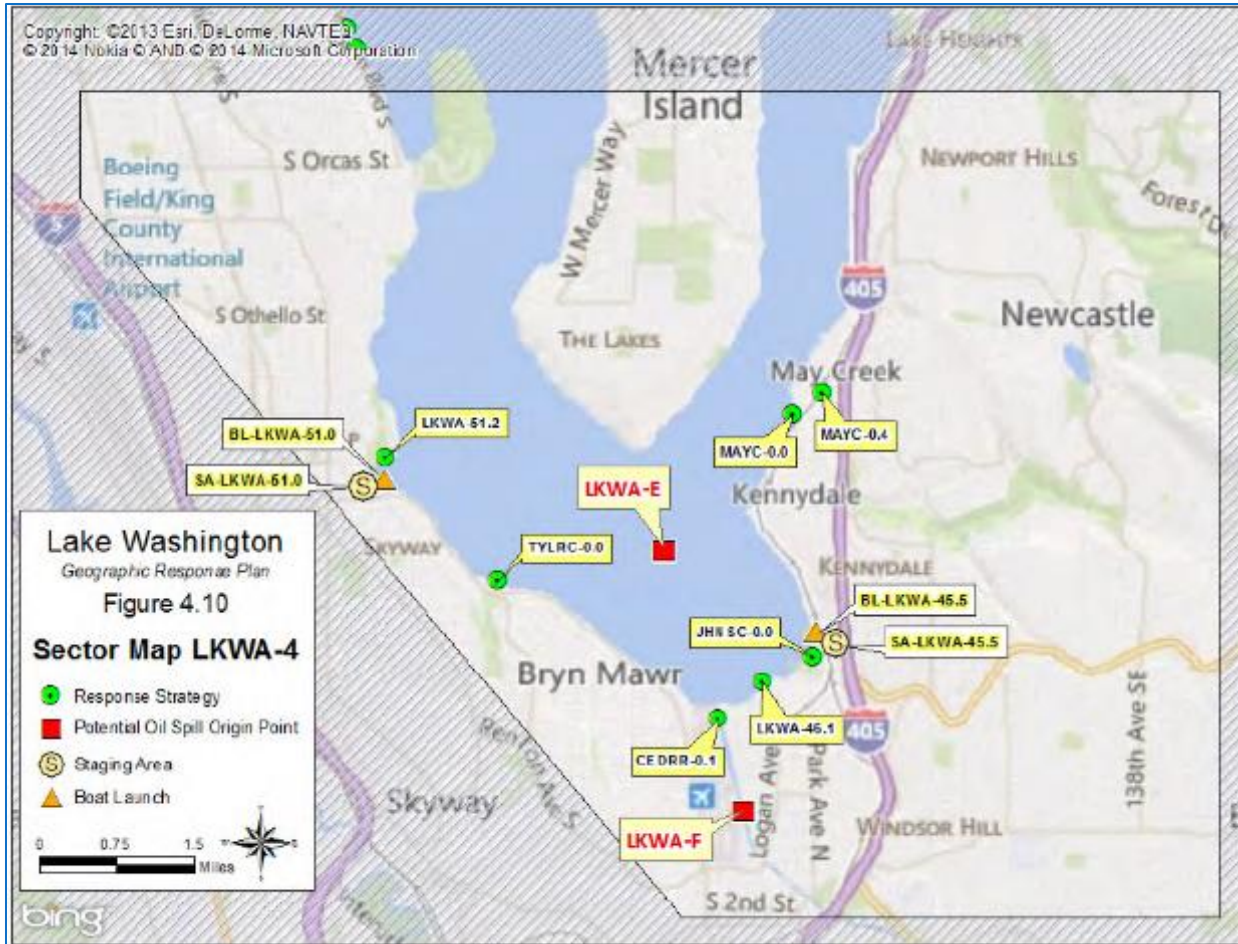


# Chapter 4 – Area Maps





# Chapter 4 – Sector Maps



# Chapter 4 – Priority Tables

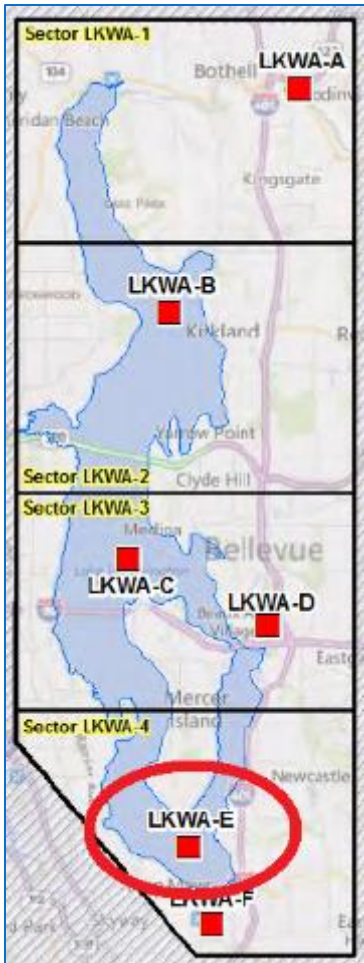


Table 4.7

**"LKWA-E" (Lake Washington - South)**

Priority	Strategy Number	Sector Map	Strategy Matrix	Strategy Details	Priority	Strategy Number	Sector Map	Strategy Matrix	Strategy Details
<b>N - Winds from the NORTH</b>					<b>S - Winds from the SOUTH</b>				
1	LKWA-46.1	4-24	4-29	4A-21	1	MAYC-0.0	4-24	4-32	4A-37
2	JHNSC--0.0	4-24	4-27	4A-11	2	COALC-0.0	4-23	4-25	4A-5
3	CEDRR-0.1	4-24	4-25	4A-3	3	LKWA-35.4	4-23	4-28	4A-19
<b>NW - Winds from the NORTHWEST</b>					<b>SE - Winds from the SOUTHEAST</b>				
1	LKWA-46.1	4-24	4-29	4A-21	1	LKWA-51.2	4-24	4-29	4A-23
2	JHNSC-0.0	4-24	4-27	4A-11	2	TYLRC-0.0	4-24	4-36	4A-59
3	CEDRR-0.1	4-24	4-25	4A-3	<b>E - Winds from the EAST</b>				
<b>W - Winds from the WEST</b>					1	TYLRC-0.0	4-24	4-36	4A-59
1	JHNSC--0.0	4-24	4-27	4A-11	2	LKWA-51.2	4-24	4-29	4A-23
2	LKWA-46.1	4-24	4-29	4A-21	<b>NE - Winds from the NORTHEAST</b>				
3	MAYC-0.0	4-24	4-32	4A-37	1	TYLRC-0.0	4-24	4-36	4A-59
<b>SW - Winds from the SOUTHWEST</b>					2	CEDRR-0.1	4-24	4-25	4A-3
1	MAYC-0.0	4-24	4-32	4A-37	3	LKWA-46.1	4-24	4-29	4A-21
2	COALC-0.0	4-24	4-25	4A-5	4	JHNSC-0.0	4-24	4-27	4A-11
3	LKWA-35.4	4-23	4-28	4A-19	--	--	--	--	--

# Matrix/Tabular Information

## Lake Washington Geographic Response Plan

Strategy Number	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources at Risk	Comments	Sector Map (Page#)	Strategy Details (Page#)
LKWA-73.4	Seattle Union Bay Natural Area UW Campus N47.65206 W122.29565	Exclusion	4200	Yes	Off-Site:  Use Warren G. Magnuson Park (Seattle) for Staging Area & Boat Launch (SA-LKWA-79.1 & BL-LKWA-79.1)	General Fish & Wildlife Resources; Freshwater Wildlife; Sensitive Habitat	Notify University of Washington Police; call (206) 685-8973. Inform UW Botanic Gardens; call (206) 543-8616. Due to the size of this strategy, constant maintenance/tending will likely be required for it to remain effective.	4-22	4A-35
MAYC-0.0	Renton Barbee Mill May Creek N47.52796 W122.20522	Exclusion	450ft	Yes	Off-Site:  Stage in boat launch parking area at Gene Coulon Park (SA-LKWA-45.5 & BL-LKWA-45.5)	General Fish & Wildlife Resources, Freshwater Wildlife	Winds from the south can push lake water up into May Creek. Area along creek right was toxics cleanup site.	4-24	4A-37
MAYC-0.4	Renton May Creek N47.52989 W122.20099	Collection	100ft	No	On-Site:  Stage on north side of roadway off Lake Washington Blvd N. Follow WADOT work zone traffic control guidelines.	General Fish & Wildlife Resources, Freshwater Wildlife	Temporary use of roadway or shoulder is needed to implement this strategy; follow WADOT work zone traffic control guidelines. If staging or working on roadway or shoulder, Inform City of Renton Police at (425) 430-7500.	4-24	4A-39

# Detailed 2-Page Information Sheets

- Location & Nearest Address
- Objective
- Site Contact
- How to Implement
- Staging (on-site or off-site)
- Site Safety/Hazards
- Field Notes (additional information of value)
- Equipment & Personnel
- Driving Directions & Map
- Strategy Diagram & Site Photograph

**Cowitz River at the mouth of the Couseman River** CW178-1.1

Site Name	Cowitz River at the mouth of the Couseman River
Site ID	CW178-1.1
Site Type	Water Quality
Site Description	Long term site, located at the mouth of the Cowitz River, just north of the mouth of the Couseman River. The site is located on the east bank of the Cowitz River, just north of the mouth of the Couseman River. The site is located on the east bank of the Cowitz River, just north of the mouth of the Couseman River. The site is located on the east bank of the Cowitz River, just north of the mouth of the Couseman River.
Site Contact	John Doe, 12345 Main St, Seattle, WA 98101
Site Safety/Hazards	None
Equipment & Personnel	1 Boat 1 Boat 1 Boat

**Cowitz River at the mouth of the Couseman River** CW178-1.1

Site Photo: A photograph showing the riverbank and surrounding area.

Map: A map showing the location of the site relative to the river and surrounding area.

Site Name	Cowitz River at the mouth of the Couseman River
Site ID	CW178-1.1
Site Type	Water Quality
Site Description	Long term site, located at the mouth of the Cowitz River, just north of the mouth of the Couseman River. The site is located on the east bank of the Cowitz River, just north of the mouth of the Couseman River. The site is located on the east bank of the Cowitz River, just north of the mouth of the Couseman River.
Site Contact	John Doe, 12345 Main St, Seattle, WA 98101
Site Safety/Hazards	None
Equipment & Personnel	1 Boat 1 Boat 1 Boat



**Cowlitz River at north end of Gerhart Gardens Park****CWLZR-1.65**

**Position - Location:** 46° 6.698', -122° 53.758'      46° 6' 41.9", -122° 53' 45.5"      46.11163, -122.89597      Longview

**Strategy Objective:** Collection : Collect oil moving downstream on the Cowlitz River

**Implementation:** Using workboat, set anchor systems every 100ft, or as needed based on flow, in relatively straight line between Point A and Point B. After anchors are set, tow boom upstream and secure to anchor at Point B, then all remaining anchor points between Points A & B. At Point A secure boom to bank using anchoring posts or existing structures. Use vac-truck or skimmer with storage for collection at Point A.

**Staging Area:** Onsite: Stage equipment at Gerhart Gardens Park

**Site Safety:** Slips, Trips, Falls; Water Hazard; Vegetation.

**Field Notes:** Collection strategy just north of the boat ramp.

**Watercourse:** River - Cowlitz River

**Resources at Risk:** Freshwater Wildlife, Salmon (Coho, Chinook and Chum), Steelhead

**Recommended Equipment**

3	Each	Anchoring System(s) - (anchor, lines, floats)
1	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (River Boom) or equivalent
1	Each	Vac Truck or Skimmer and Storage
1	Each	Workboat(s) - of adequate size for type and amount of boom

**Recommended Personnel**

1	Boat Operator
2	Laborer
1	Supervisor



**Cowlitz River at north end of Gerhart Gardens Park**

**CWLZR-1.65**



CWLZR-1.65 Photo: Photo taken from river right looking East



**Site Contact**

City of Longview  
 Municipality (County/City) : Parks and Recreation  
 2920 Douglas Street  
 Longview, WA 98632  
 360-442-5400

**Nearest Address**

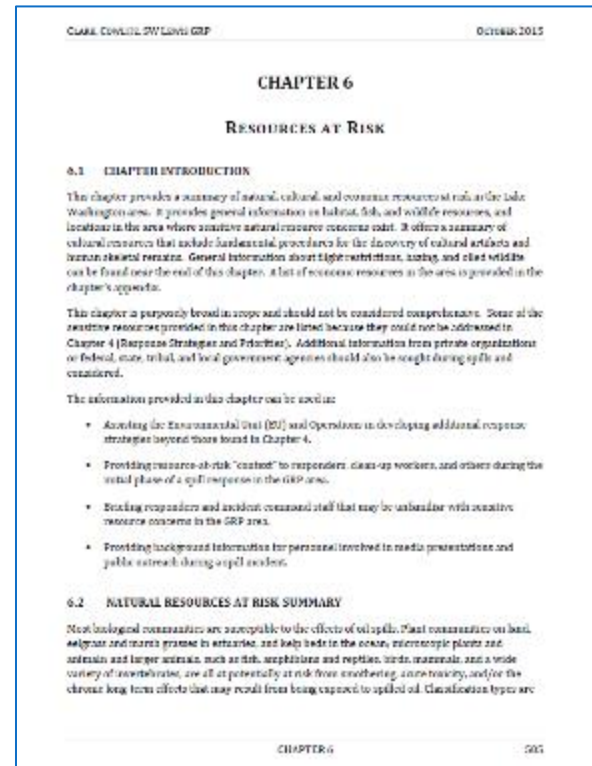
200 Freedom Way  
 Longview, WA 98632

**Driving Directions**

1. From Kalama, take I-5 N
2. At exit 36 take ramp on the right to WA-432 W toward WA-4/Longview/Long Beach (0.19 miles)
3. At fork keep left on WA-432 W toward WA-4/Longview/Long Beach (0.3 miles)
4. Continue on WA-432 (0.78 miles)
5. Take ramp toward Dike Road (0.2 miles)
6. Turn right on Tennant Way (Tennant Way Frontage Rd) (0.09 miles)
7. Turn left on Freedom Rd (0.5 miles)
8. Turn right into parking lot.

# Chapter 6 – Resources at Risk

- **Natural Resources at Risk Summary**  
(T&E, birds, mammals, fish, shellfish, amphibians, plants)
- **General Natural Resource Concerns**  
(habitat, fish, shellfish, wildlife)
- **Specific Areas of Concern**  
(descriptions & maps showing those areas)
- **Cultural Resources at Risk Summary**  
(no site specific information, discovery requirements)
- **Economic Resources at Risk Summary**  
(critical infrastructure, commercial & recreational water dependent resources)



# Information on Sensitive Resource Locations

(including and beyond locations that have response strategies developed)

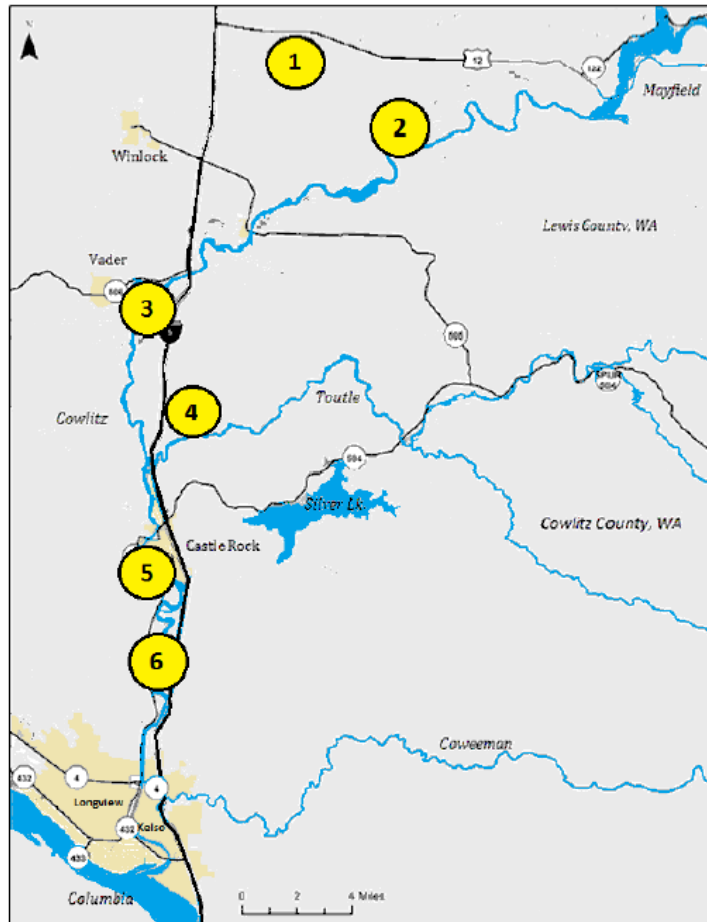


Figure 6-1: Specific geographic areas of concern within the Cowlitz River system

## 6.2.3 Specific Geographic Areas of Concern – Maps and Descriptions

### Cowlitz River (See: Figure 6-1)

- 1) **Lewis and Clark State Park:** Boone Creek, a salmonid spawning stream, runs through the park and is tributary to Lacamas Creek. This 621-acre park is in one of the last major stands of old-growth forests in the state. Coniferous trees, streams, wetlands, dense vegetation, and wet prairie comprise the park environment along with a vast stand of rare old-growth forest.
- 2) **Mouth of Blue Creek and vicinity (Cowlitz ~RM 42-47):** Waterfowl concentration area. Cavity nesting Wood ducks and Mergansers in old river channels, beaver dams and flooded willow areas. Salmonid spawning stream and juvenile salmonid rearing habitat in off-river channels.
- 3) **Mouth of Olequa and Lacamas Creeks and vicinity (Cowlitz River ~RM 24.5 to RM 30):** Pastures and emergent wetlands in the Cowlitz River floodplain and nearby ponds support regular large concentrations of wintering waterfowl, geese, and osprey nesting. Salmonid spawning stream and juvenile salmonid rearing habitat in off-river channels. Resident fish.
- 4) **Toutle River (Cowlitz River ~RM 20/Toutle RM 3 to RM 4.5):** Snag rich area used by Bald eagles. Salmonid spawning stream and juvenile salmonid rearing habitat in off-river channels. Resident fish.
- 5) **Arkansas, Delameter, and Whittle Creeks (Cowlitz River ~RM 17):** Wetlands across from town of Castle Rock provide habitat for cavity nesting ducks. Emergent and scrub shrub wetlands and flood plains provide regular large concentrations of wintering waterfowl including Canada geese. Salmonid spawning stream and juvenile salmonid rearing habitat in off-river channels.
- 6) **Pleasant Hill (Cowlitz River ~RM 8.5):** An unnamed stream and associated wetland complex between I-5 and Pleasant Hill Road near the town of Lexington. Wood ducks and other cavity nesting ducks regularly inhabit these areas.

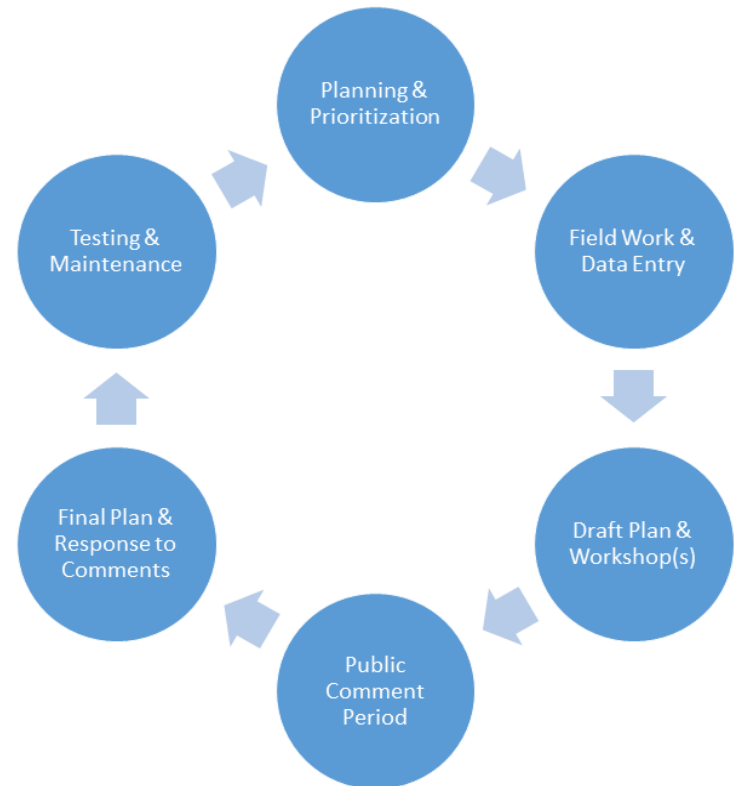
# Listing of Economic Resources in Area

## Appendix 6A – List of Economic Resources

Category	Resource	Location	Latitude	Longitude	Contact	Phone	Email
A1 - Drinking Water Intakes	Castle Rock Water Intakes	Cowlitz River - City of Castle Rock	46.33403	-122.93194	City of Castle Rock - Public Works	360-703-0167	
A1 - Drinking Water Intakes	Kalama Ranney Collector (Water Intakes)	Kalama River - City of Kalama	46.04361	-122.83902	City of Kalama - Public Works	360-673-3707	
A1 - Drinking Water Intakes	Kelso Ranney Collector	Cowlitz River - City of Kelso	46.14238	-122.91383	City of Kelso- Public Works	360-577-3360	
A1 - Drinking Water Intakes	Longview Water Intakes	Cowlitz River - City of Longview	46.15037	-122.91448	City of Longview - Stormwater	360-442-5299	
A1 - Drinking Water Intakes	Vader Water Intakes	Cowlitz River - City of Vader	46.40608	-122.93336	Lewis County - Public Works	360-740-1123	
A1 - Drinking Water Intakes	Woodland Ranney Collector	Lewis River - City of Woodland	45.91006	-122.73998	City of Woodland - Public Works	360-225-7999	
A2 - Energy/Power Generation Water	Mayfield Dam	Cowlitz River - Silver Creek, WA	46.502592	-122.58813	Tacoma Public Utilities	253-502-8530	
A2 - Energy/Power Generation Water	Merwin Dam	Lewis River - Ariel, WA	45.956807	-122.55577	Pacificorp	503-813-6078	
B6 - Fish Hatcheries	Coweeman River - Rearing Pond	Coweeman River - Kelso Area	46.15566	-122.78136	Coweeman Rearing Pond Manager	360-577-0602	
B6 - Fish Hatcheries	Cowlitz River Salmon and Trout	Cowlitz River - Salkum, WA	46.51134	-122.62946	WDFW - Cowlitz River Hatcheries	360-864-6135	

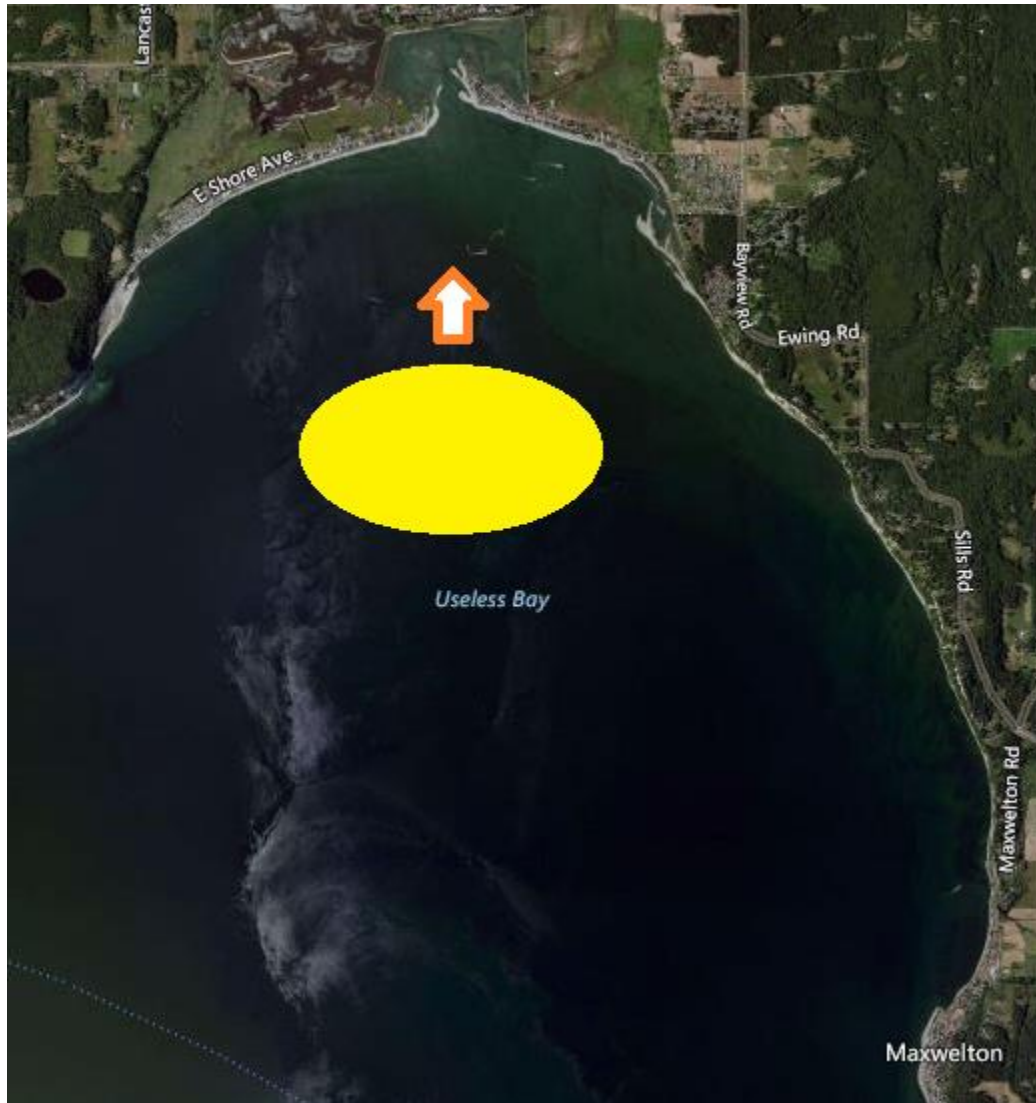
# GRP Update & Development Process

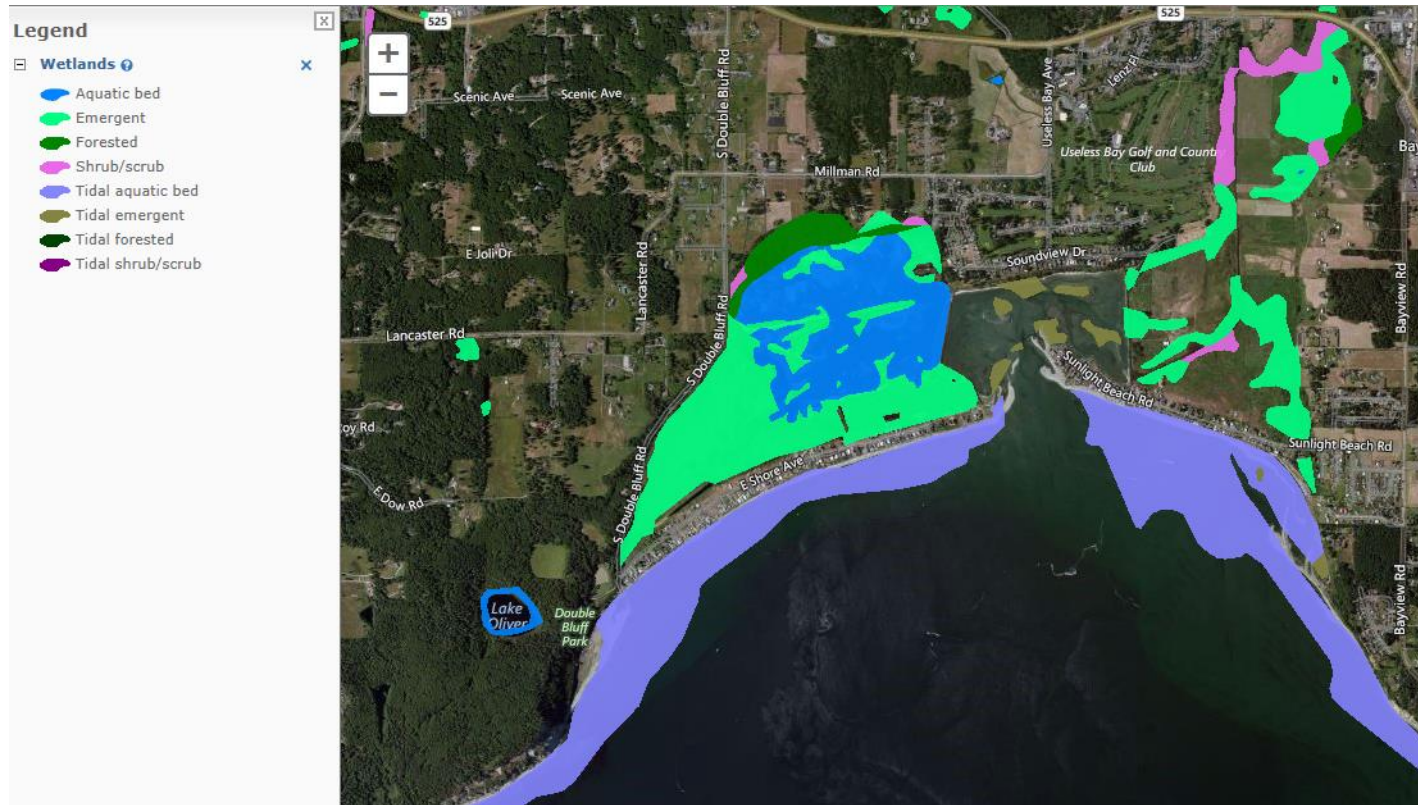
- Identify and evaluate sensitive resource locations and determine if a strategy can be developed to protect it.
- Efforts and input from:
  - U.S. Coast Guard
  - U.S. Environmental Protection Agency
  - Other State and Federal Agencies
  - Tribal Governments
  - Local Governments
  - Response Organizations
  - Emergency Responders
  - Environmental Groups/NGOs
  - Persons that live, work, or play in the communities covered by the plans
- Goal is to update plans every 5 years.





## Spill Event Happens During an Incoming Tide



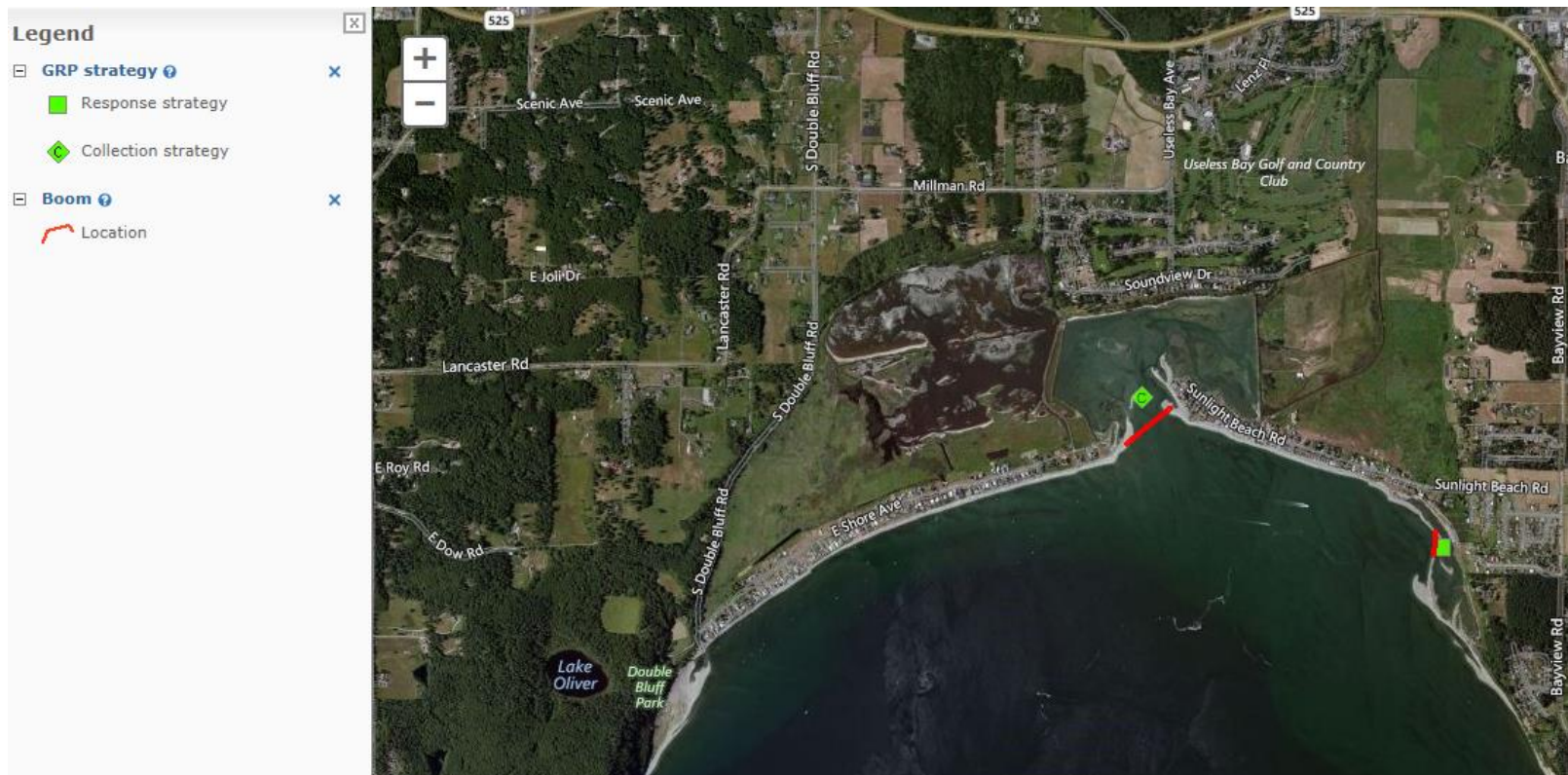


....but long before the spill ever happened the sensitivity of Useless Bay was acknowledged by Ecology & others during the GRP update & development process



Useless Bay was visited during the GRP process to see if there might be something we could do to protect it if there was ever an oil spill in the area.






Based on the results of field work (& established criteria), two sites for Useless Bay were developed into GRP response strategy locations (AI-29 & AI-30)

Detailed 2-Page Response Strategy Information Sheets were created for both sites so Contractors knew where to go, what to bring, and what to do when they got there.

Cowlitz River at the mouth of the Coweeman River		CWLZR-1.3
Position - Location:	48° 6' 45.0", -122° 53' 41.4"	48° 6' 27.0", -122° 53' 24.8"
Position - Location:	46.10750, -122.89028	Kebo
Strategy Objective:	Collection : Collect oil moving upstream on Cowlitz River during period of rising tide; deflect away from mouth on outgoing tide.	
Implementation:	Using workboat, secure end of 400ft length boom to shore at Point A (46.10776, -122.88968; Coweeman River - north side/river left between RR & Talley Way Bridges. Extend boom under RR Bridge & secure to bank on north side of Coweeman near mouth (Point B). Extend remaining boom out into Cowlitz River & downstream towards Hwy 432 Bridge & Point C; adjust boom angles and anchor as you go (based on flow conditions). Use additional anchoring systems as needed to keep boom secure in river. If site collecting oil, use vat-truck or skimmer/storage from dirt road/grassy bank between RR line & Talley Way.	
Staging Area:	Onsite: Stage equipment in gravel lot	
Site Safety:	Slips, Trips, Falls; Water Hazard; Vegetation.	
Field Notes:	Stage on dirt/gravel road between RR & Talley Way Bridges. Launch Boat from DL-CWLZR-1.6.	
Watercourse:	River - Cowlitz River	
Resources at Risk:	Freshwater Wildlife, Salmon (Coho, Chinook and Chum), Steelhead	
	<b>Recommended Equipment</b>	
	3 Each	Anchoring System(s) - (anchor, lines, floats)
	2 Each	Anchoring System(s)- Shoreside
432 Feet	Boom - 83 (River Boom) or equivalent	
1 Each	Vat Truck or Skimmer and Storage (if collection)	
1 Each	Workboat(s) - of adequate size for type and amount of boom	
<b>Recommended Personnel</b>		
1 Boat Operator		
2 Laborer		
1 Supervisor		

Cowlitz River at the mouth of the Coweeman River		CWLZR-1.3
		
<b>Guiding Directions:</b>		<ol style="list-style-type: none"> <li>1. From Station, take POB</li> <li>2. Drive east on Rt 432 to area of 23rd Street/Long Beach (0.18 miles)</li> <li>3. To Park Loop left on 23rd St to area of 24th Street/Long Beach (0.18 miles)</li> <li>4. Drive on 24th St to 25th St</li> <li>5. Turn right on the right hand to enter local area (0.1 miles)</li> <li>6. Turn left on Coweeman River (0.1 miles)</li> <li>7. Turn right on Hwy 432 (0.1 miles)</li> <li>8. Drive to 23rd Street/Long Beach, on the left</li> </ol>



Because of this, the response contractors knew about Useless Bay and were able to quickly put boom in place to protect sensitive natural resources in the area.



### Legend

#### Wetlands

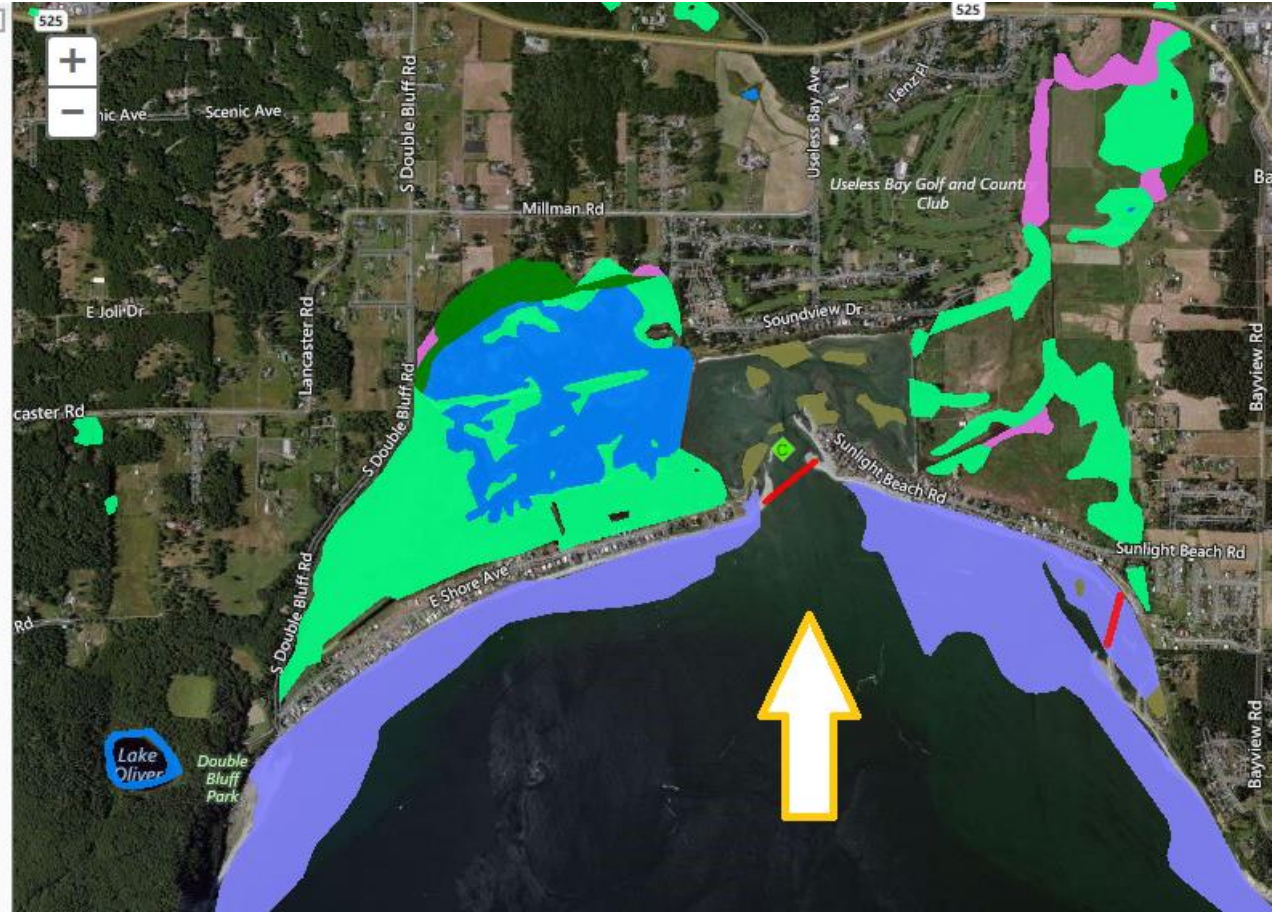
- Aquatic bed
- Emergent
- Forested
- Shrub/scrub
- Tidal aquatic bed
- Tidal emergent
- Tidal forested
- Tidal shrub/scrub

#### GRP strategy

- Response strategy
- Collection strategy

#### Boom

- Location



## Caveats about GRPs

- Response Strategy Implementation Priorities are set by Federal, State, and Tribal Trustees (ideally).
- Changes to priorities can be made by if aerial observations or spill trajectory modeling show that such changes are warranted.
- Not all sensitive resources can be protected. Limited by access, worker safety, geography, tides/currents, and potential to do more harm to a resource than good.
- GRPs don't represent the universe of everything that could, should, or would be done in a response to protect sensitive resources.

# What the Updated Admiralty Inlet GRP will Provide

- Stand alone plan for Admiralty Inlet (no longer combined with Hood Canal); north of Hood Canal Bridge.
- Expansion of the number of GRP Response Strategies for Admiralty Inlet
- Detailed 2-Page tactical response strategy information sheets along with tabular/matrices information.
- Information sheets for critical notifications to resource owners.
- Potential Oil Spill Origin Points for Admiralty Inlet, and a listing of the response priorities table for each of those points will be included.
- Listing of Economic Resources in the area; including on/near water critical infrastructure, water dependent commercial areas, and water dependent recreational areas as appropriate.
- Updated narrative chapters/sections and GIS-based maps

## Admiralty Inlet GRP Update - Timeline

- May/June 2016 – Pre-draft plan reviewed by Trustees. Initial response strategy priority tables (one for each potential oil spill origin point) populated through Trustee consensus.
- June/July 2016 – Draft plan published and available for public comment. GRP Workshop held. Public comment period will be at least 30 days.
- August 2016 – Pre-final plan developed. Changes to plan based on comments received. Additional field work/site evaluations may be required. Additional response strategies might be added to the plan if needed, based on comments received. Priority tables finalized. Final review by Ecology and U.S. Coast Guard Sector Puget Sound.
- September/October 2016 – Final Plan Published. Old plan removed/retired. Responsiveness Summary (for all public comments received) also published.



# How You Can Help Us Help Admiralty Inlet

- Let us know about areas of special concern to you  
(something known by you but may not be known by others outside your communities)
- Review and provide comment on the Draft GRP (once released)
- Attend and help promote public participation at GRP workshop  
(Dates/locations to be decided prior to release of the draft Admiralty Inlet GRP)
- Open communication between Ecology, County, and Tribal Planners  
(so those who write emergency plans might all know and have met each other long before anything happens)
- Participate in oil spill drills when invited – including drills that test the response strategies in the updated Admiralty Inlet GRP

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## **Washington Department of Ecology**

Spills Program – GRPs

PO Box 47600

Olympia, WA 98504-7600

### More Information:

<http://www.ecy.wa.gov/programs/spills/preparedness/GRP/index.html>

# Useful Links

Ecology's GRP Website:

<http://www.ecy.wa.gov/programs/spills/preparedness/GRP/index.html>

Ecology's Spills Story Map:

[https://fortress.wa.gov/ecy/coastalatlas/storymaps/spills/spills\\_sm.html](https://fortress.wa.gov/ecy/coastalatlas/storymaps/spills/spills_sm.html)

Washington Coastal Atlas:

<https://fortress.wa.gov/ecy/coastalatlas/>

Oil Spills 101

<http://www.oilspills101.wa.gov/>

Northwest Area Contingency Plan (NWACP):

<http://www.rrtionwac.com/NWACP/Default.aspx>