

NORTH PUGET SOUND

Geographic Response Plan

(NPS-GRP)

Response Strategies and Priorities

June 2021

Before you print this document

This section and its appendices are provided in “landscape” page orientation. The detailed 2-page information sheets for response strategies, notification strategies, staging areas, and boat launch locations in the appendices have been designed for duplex printing (front and back side of paper), “open to top” configuration.

Introduction

This section provides information on GRP response strategies and the order they should be implemented, based on Potential Oil Spill Origin Points (POSOPs) and the proximity and relative priority of sensitive resources near those point locations. Area maps, sector maps, and information on staging areas and boat launch locations are also provided in this section. During a spill incident, GRP response strategies should be implemented as soon as possible. Unless circumstances unique to a particular spill situation dictate otherwise, the priority tables in Strategy and Response Priorities should be used to decide the order that GRP strategies are deployed. The downstream movement of oil and the time it takes to mobilize response resources to deploy GRP strategies must always be considered when setting implementation priorities. Information on resources at risk, sensitive areas, and flight restrictions can be found in the Resources At Risk section. Information on shoreline countermeasures can be found in the Northwest Area Shoreline Countermeasures Manual ([NWRCP Section 9420](#)). The Northwest Regional Contingency Plan (NWRCP) is available online at <http://www.rtt10nwac.com/NWACP/Default.aspx>.

These GRP strategies have been created to reduce spilled oil's impact on sensitive resources. They are not everything that should or could be done during a response to lessen the chance of injury to natural, cultural, and economic resources. Control and containment of an oil spill is always a higher priority than the implementation of response strategies. Although designed to be implemented during the initial phase of an oil spill, strategies may continue to be used throughout a response at the discretion of Unified Command with guidance provided by the Environmental Unit.

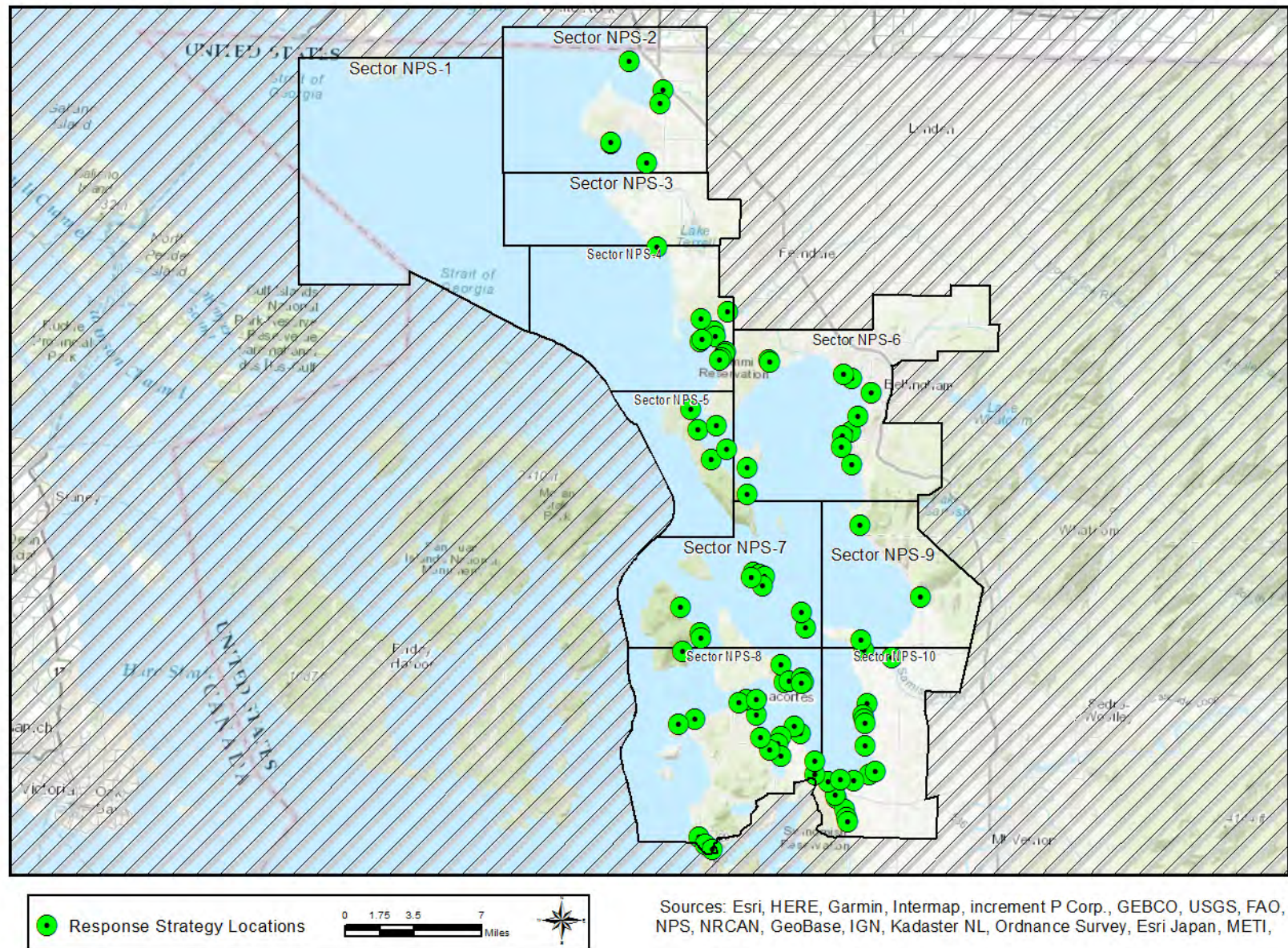
On-site Considerations

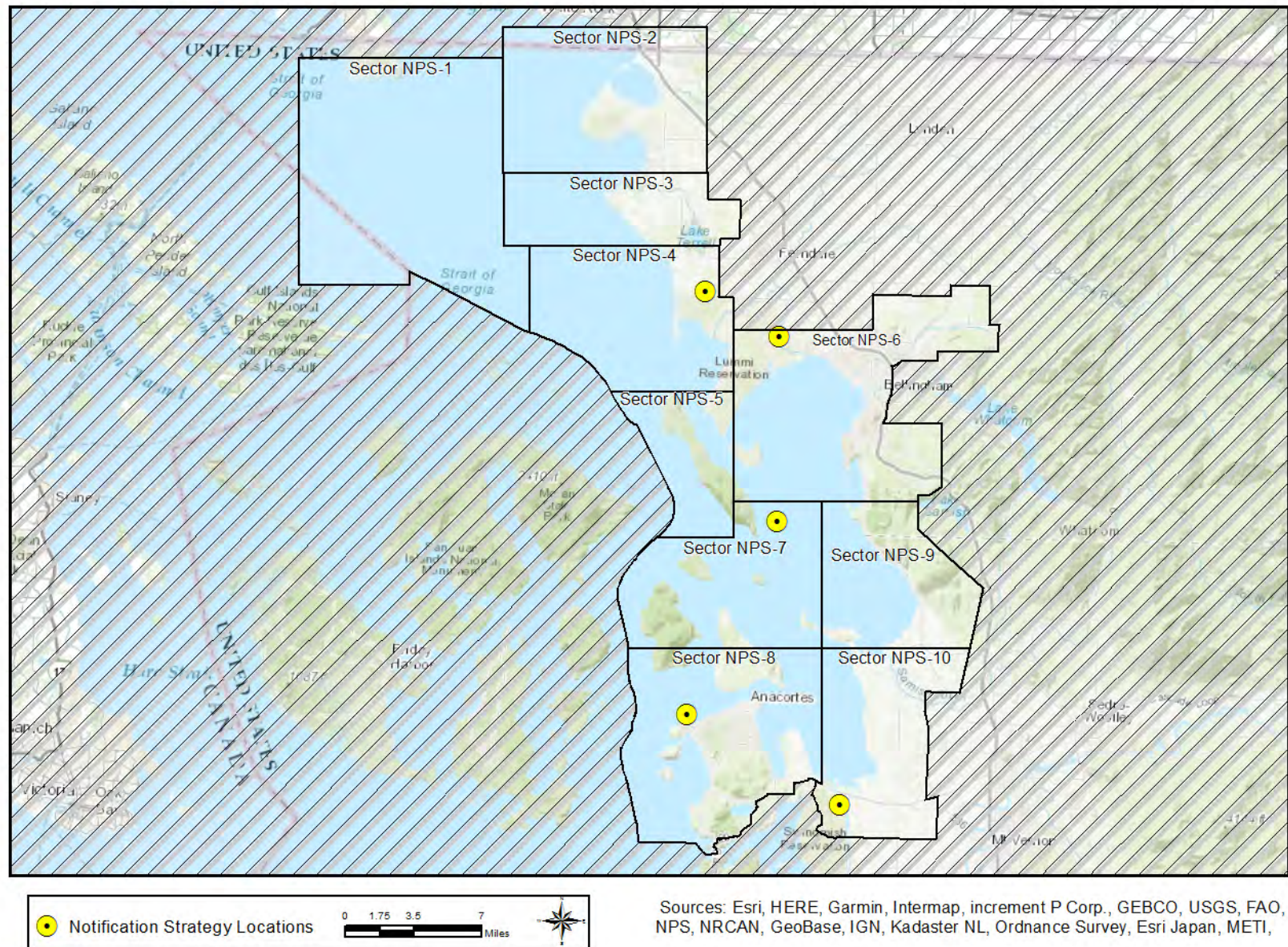
Before Deploying a GRP Strategy

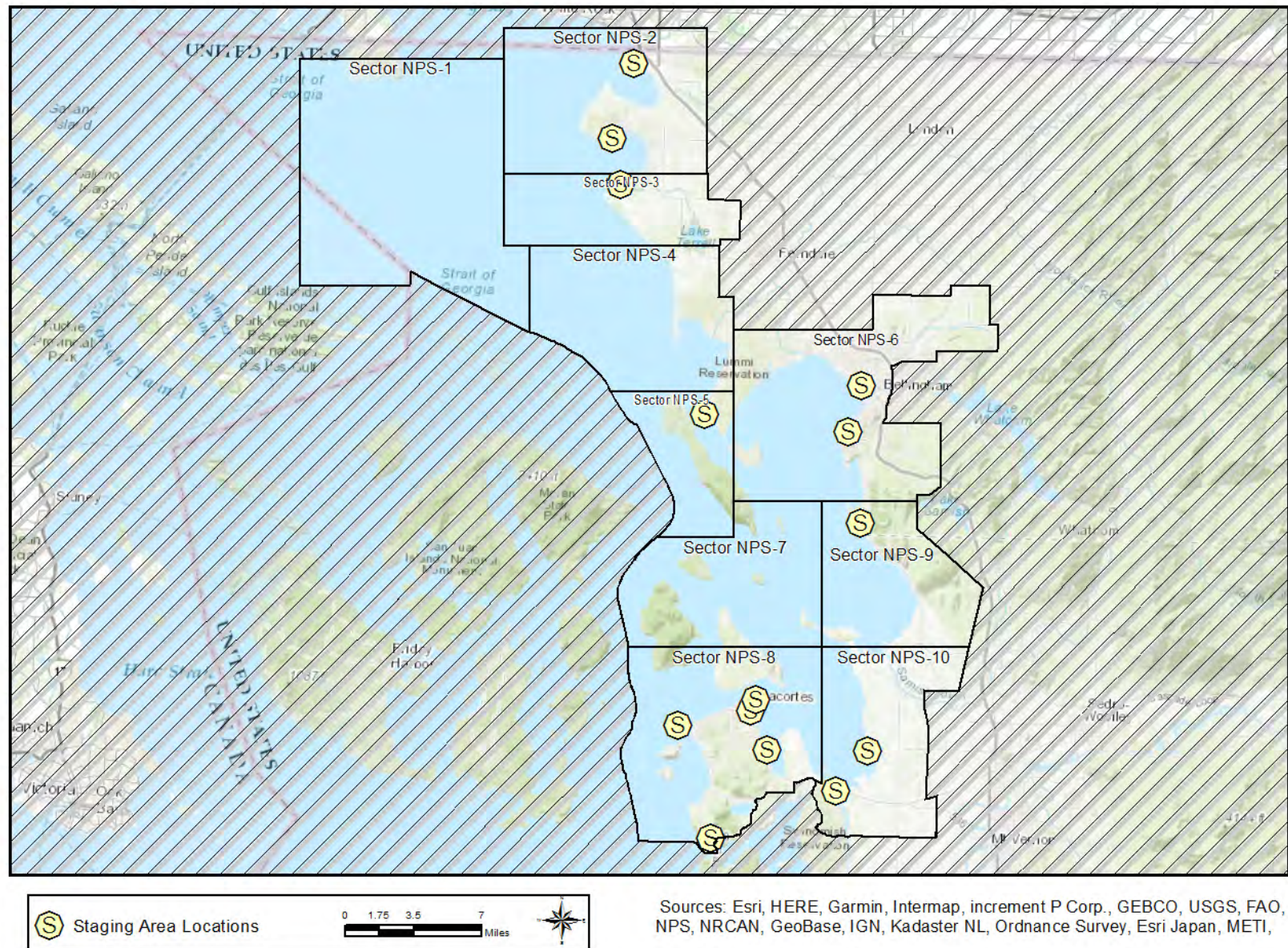
Will equipment or vehicles need to be staged on or near a roadway? If so, traffic control may be required. Contact the Washington State Patrol or local, county, municipality, or tribal police for assistance. At minimum, [Washington Department of Transportation \(WSDOT\) guidelines for work zone traffic control](#) should be followed when working on or near a roadway.

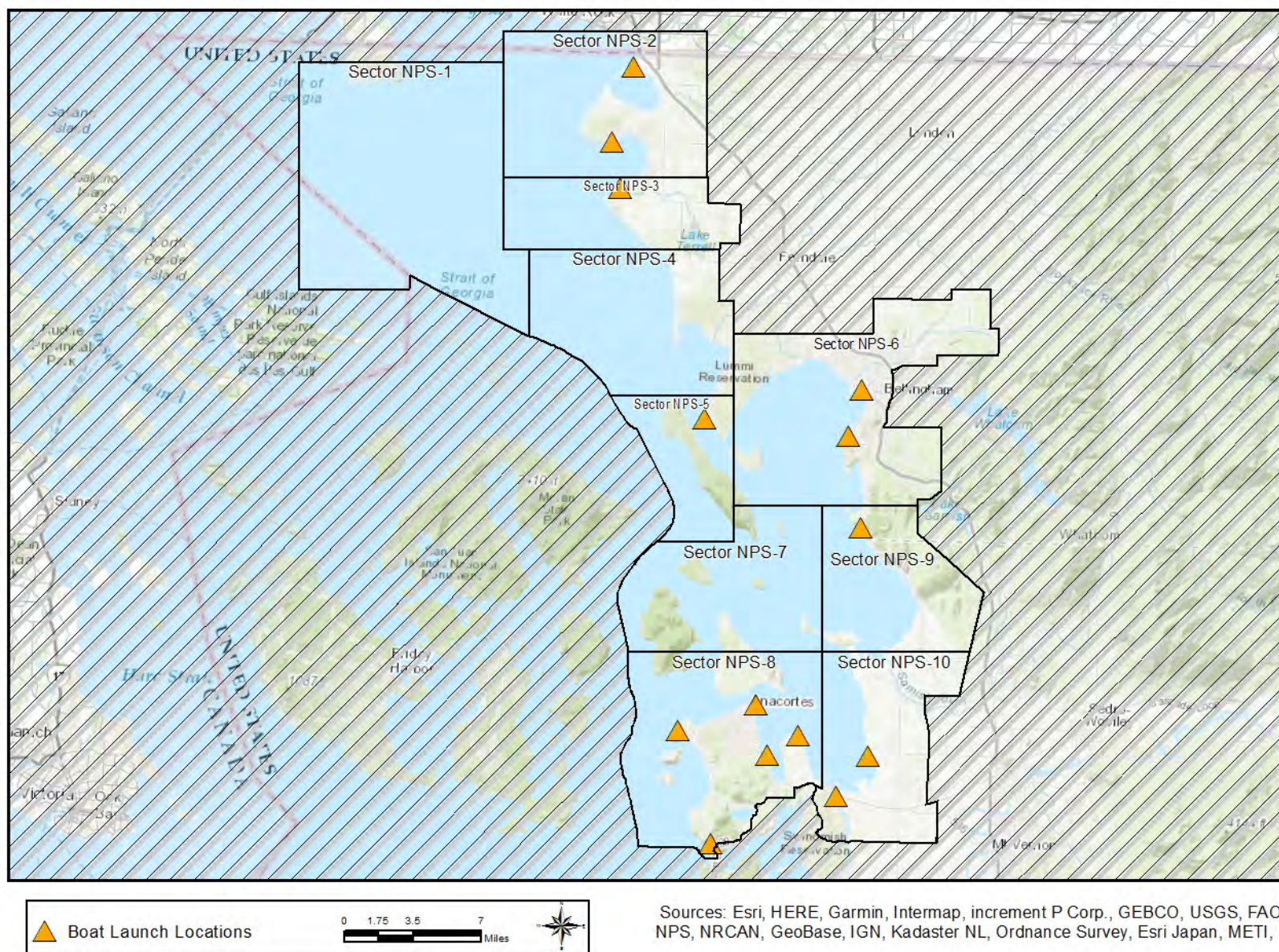
Area Maps

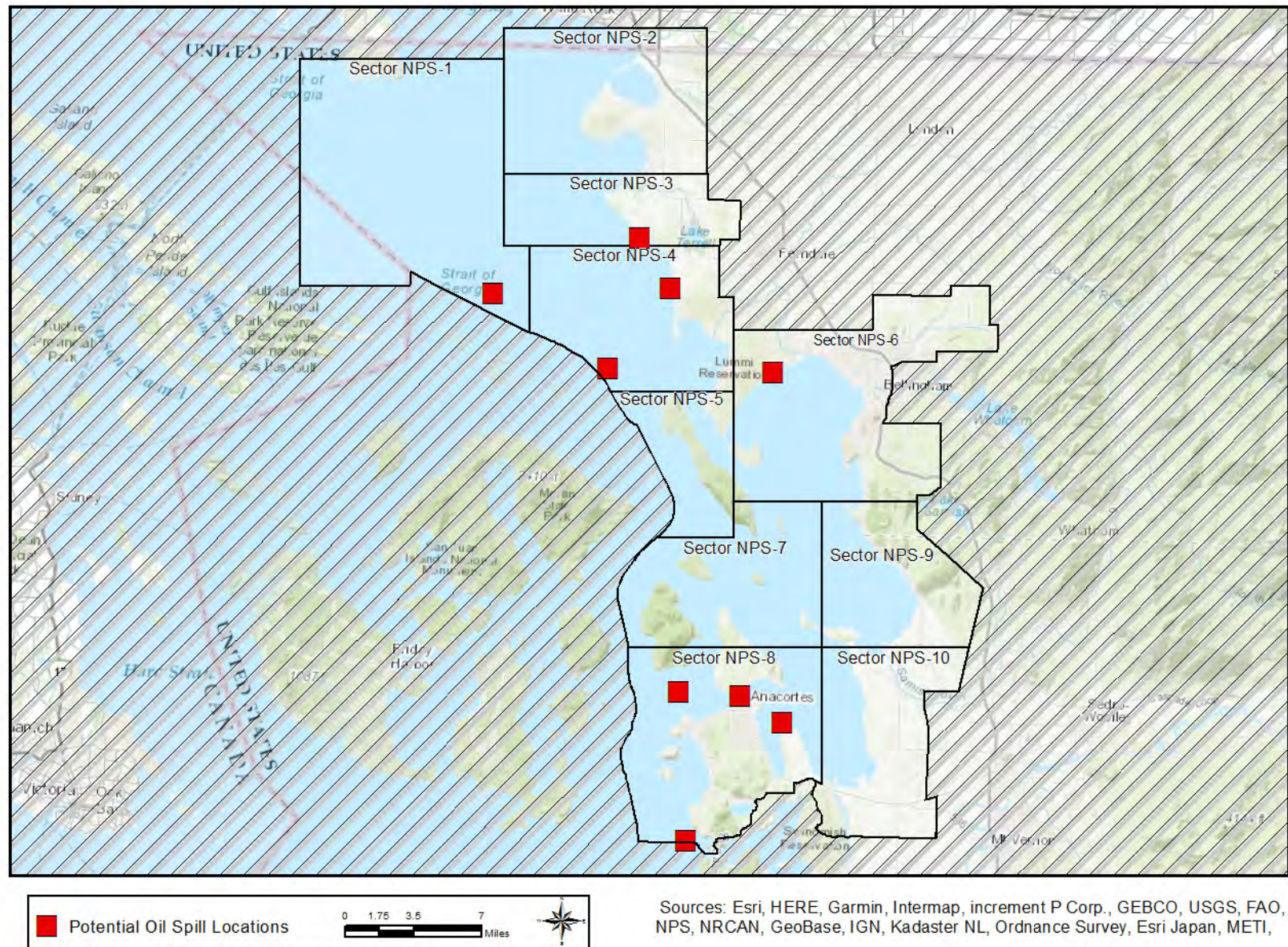
The following maps provide a geographic overview of the North Puget Sound GRP planning area. Sector maps provide more detail on the location of response strategies, notification strategies, staging areas, boat launch locations, and POSOPs. Detailed information for each location can be found in the matrices or in this section's appendices. Priority tables for potential oil spill origin points can be found below.











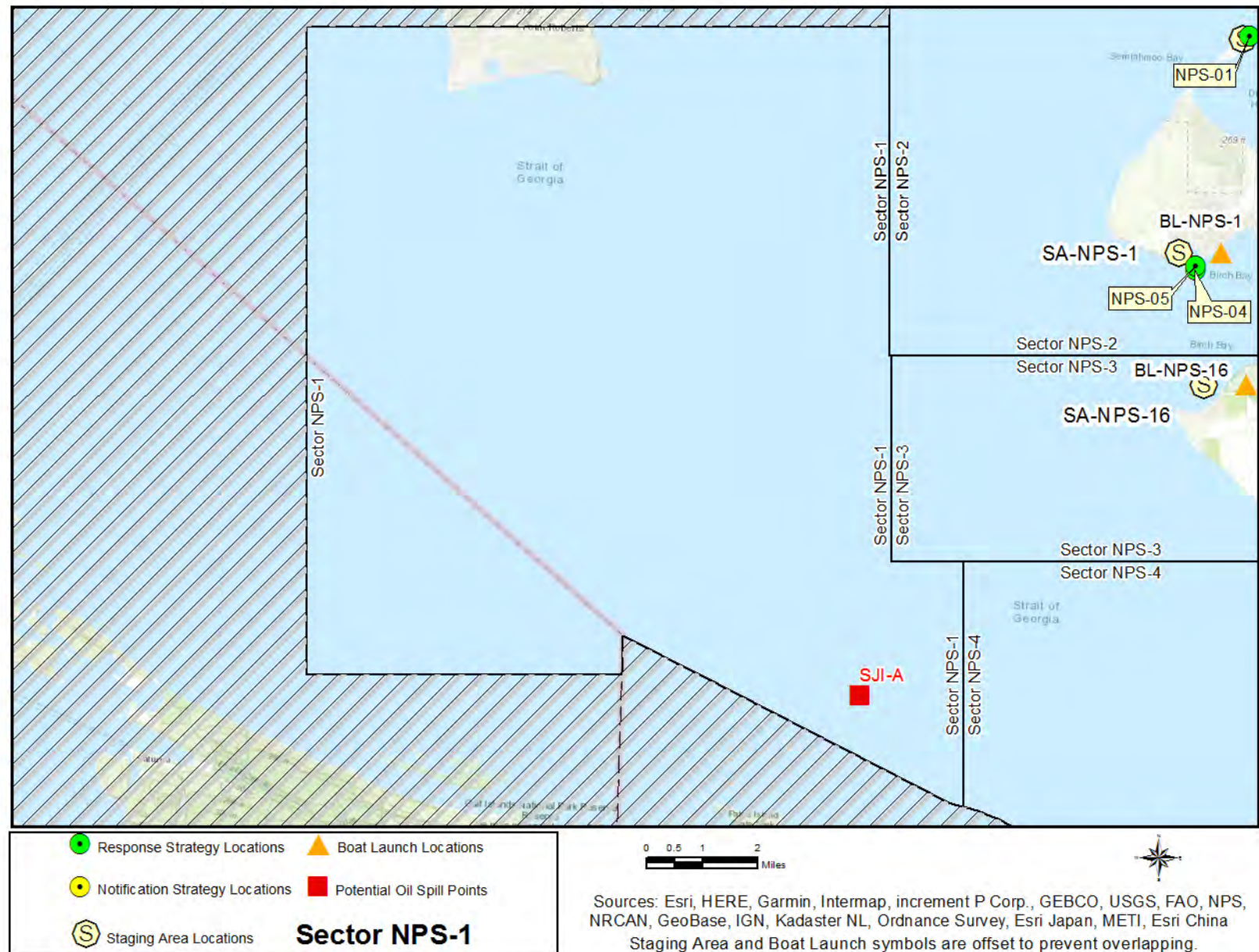
Response Strategies & Priorities

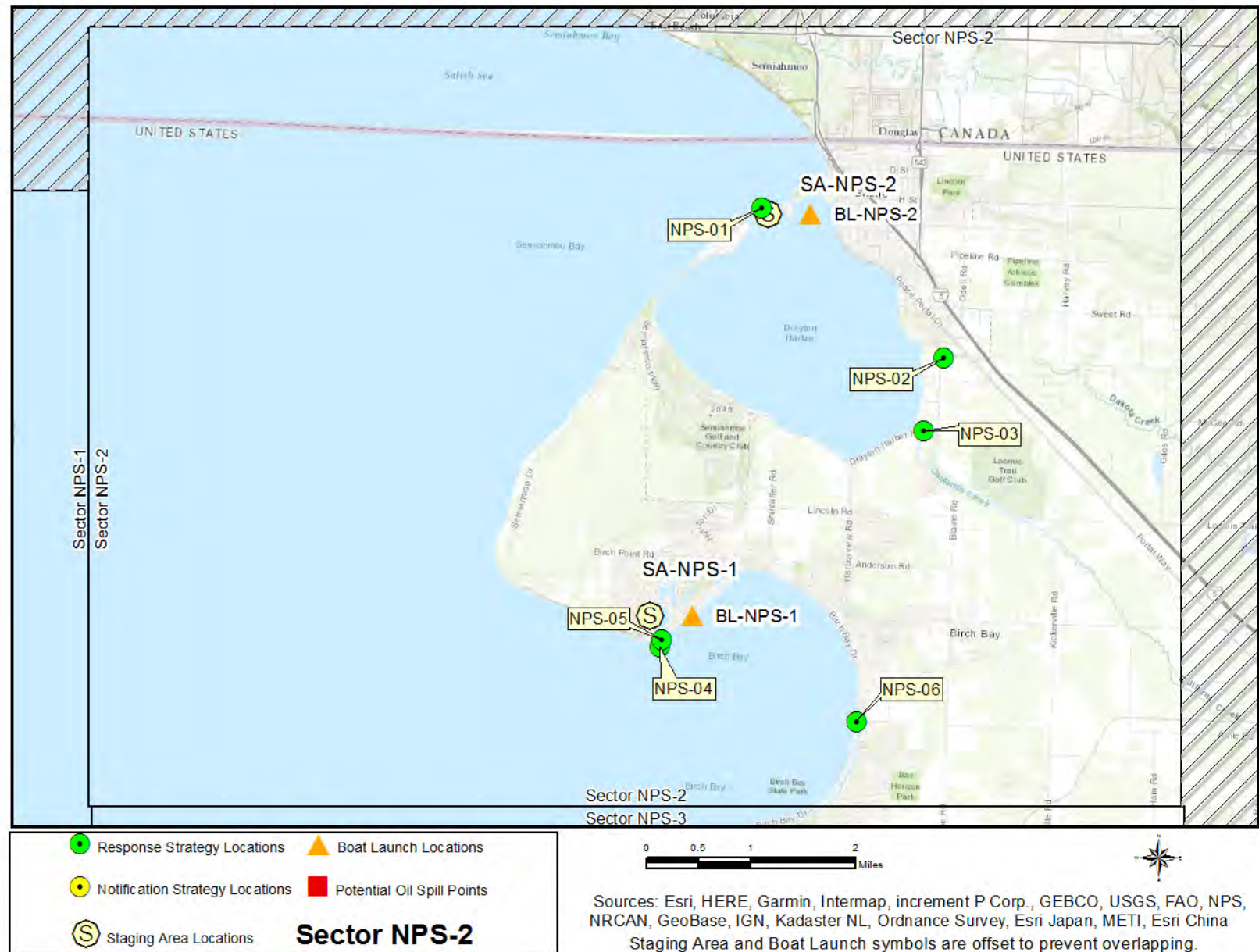
Potential Oil Spill Origin Points (POSOPs) are geographic locations that have a defined list of response strategy implementation priorities provided in a table within this section. The placement of each POSOP is often based on spill risks in the area. Occasionally POSOPs are generalized to ensure implementation priorities are developed throughout an entire planning area.

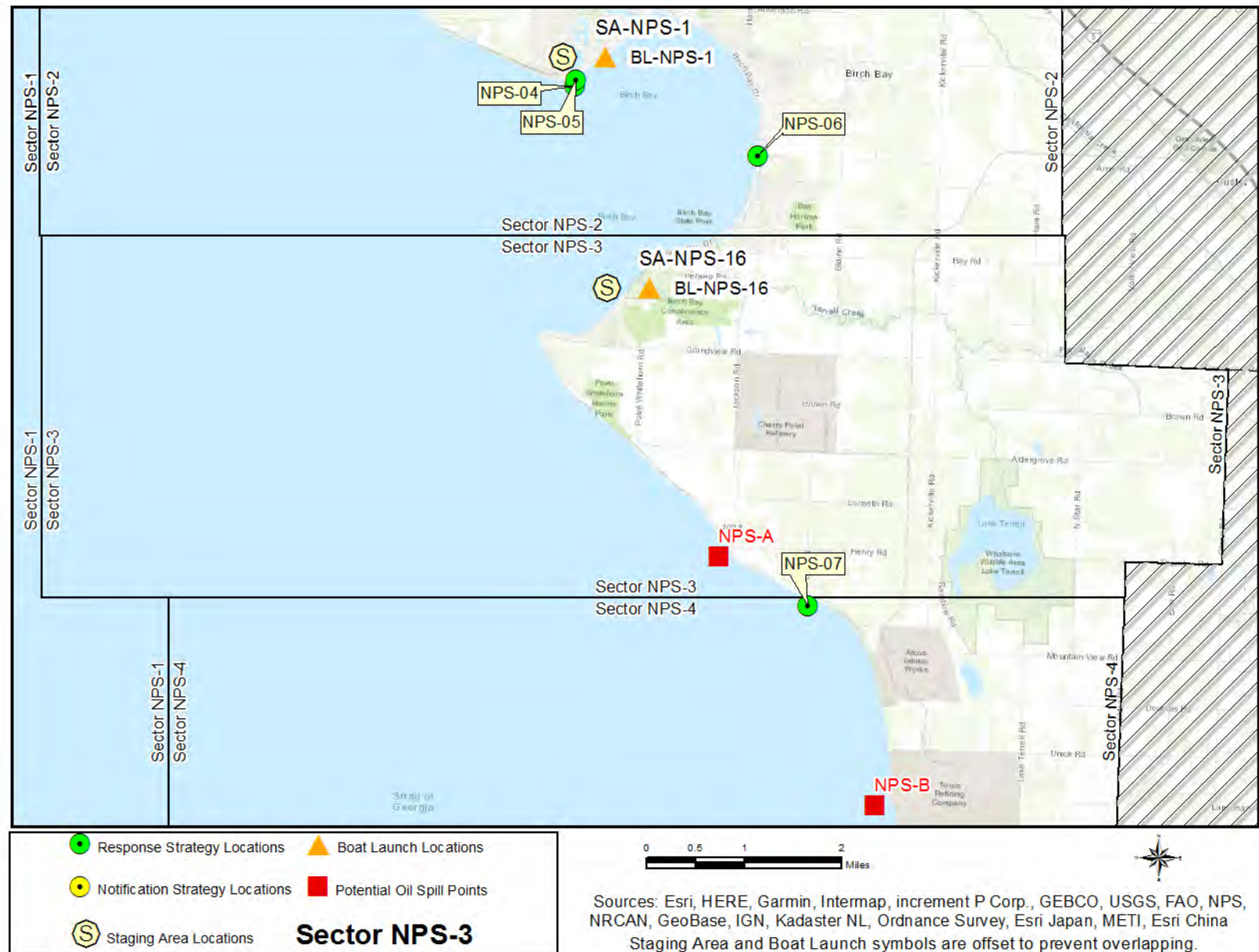
These points are displayed on area overview and sector maps as red squares. In establishing priorities during a response, or selecting an appropriate POSOP, the downstream movement of spilled oil and the time it takes to mobilize and deploy response resources must be considered. Generally, on streams, creeks, and rivers, GRP strategies should first be implemented downstream, well beyond the furthest extent of the spill, with deployments continuing upstream towards the spill source and in some cases slightly beyond. POSOPs are alphabetically designated.

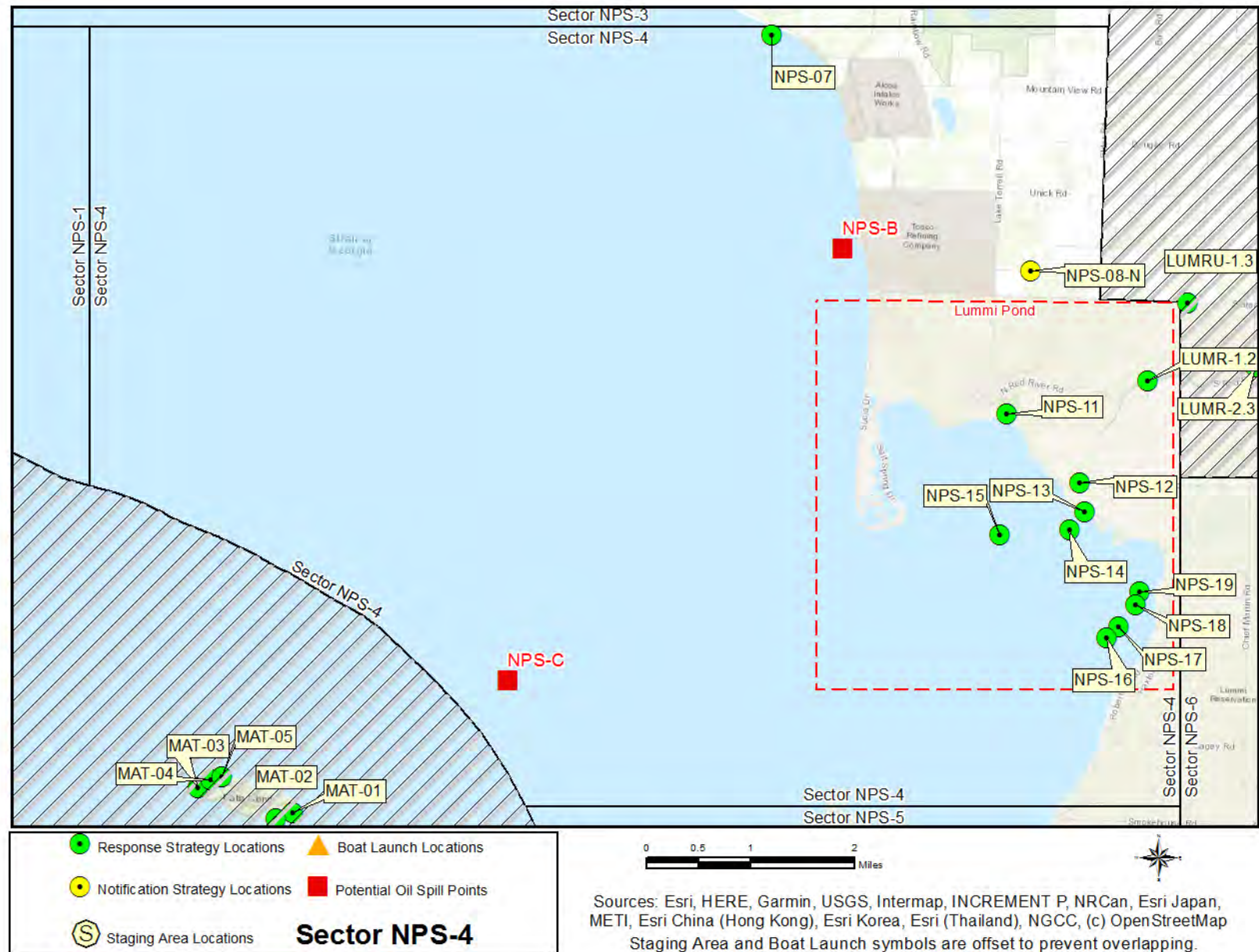
The following tables provide the strategy implementation order for Potential Oil Spill Origin Points in this GRP: points NPS-A through NPS-K. The priority tables provided in this section were developed using a combination of variables, including: notification time, travel time for responders and equipment, average and seasonal flow rates, average winds, deployment time, proximity to the spill source, trustee input, the relative priority of the resources at risk, and other considerations.

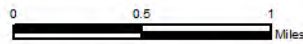
Source control and containment are a higher priority than GRP strategy implementation

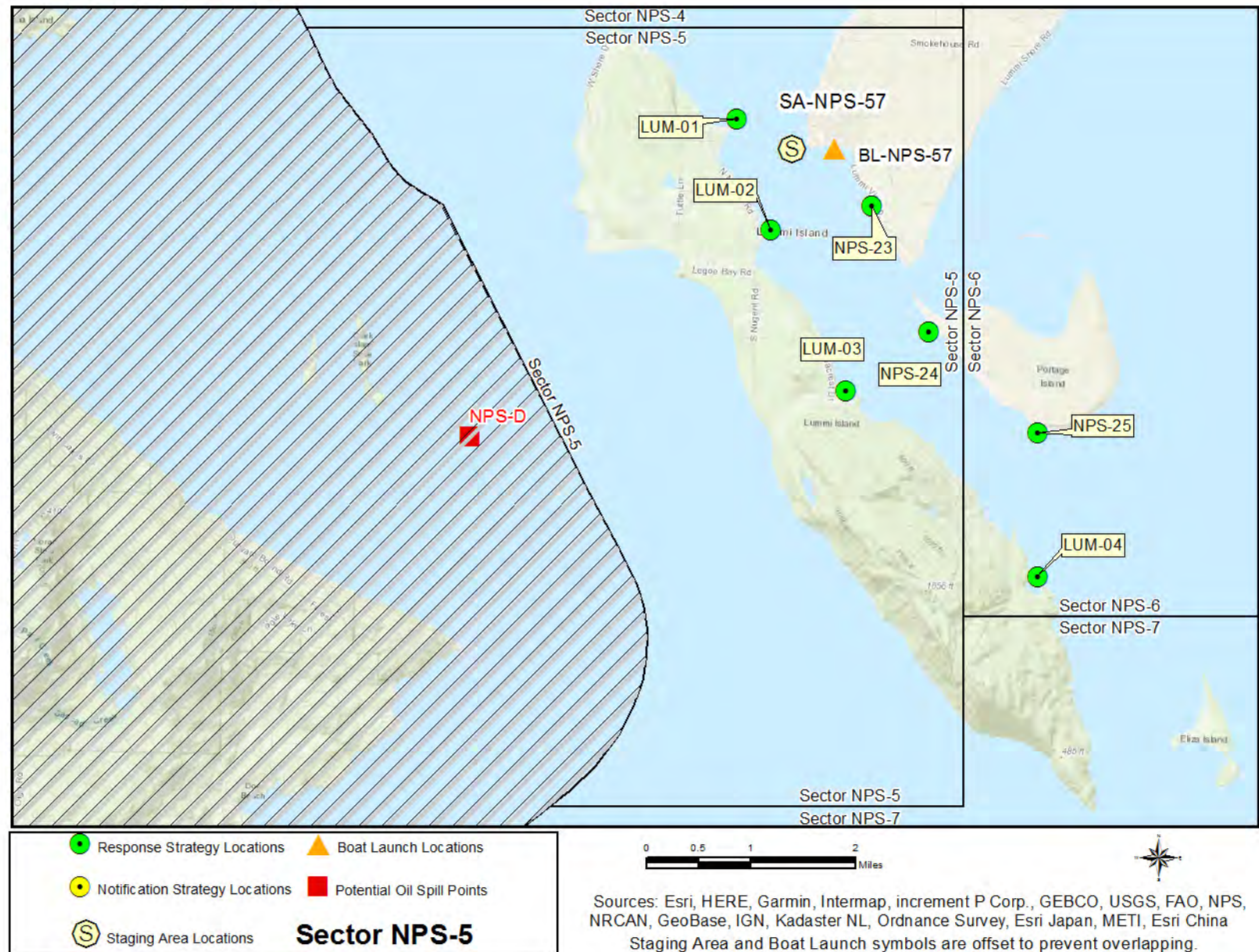


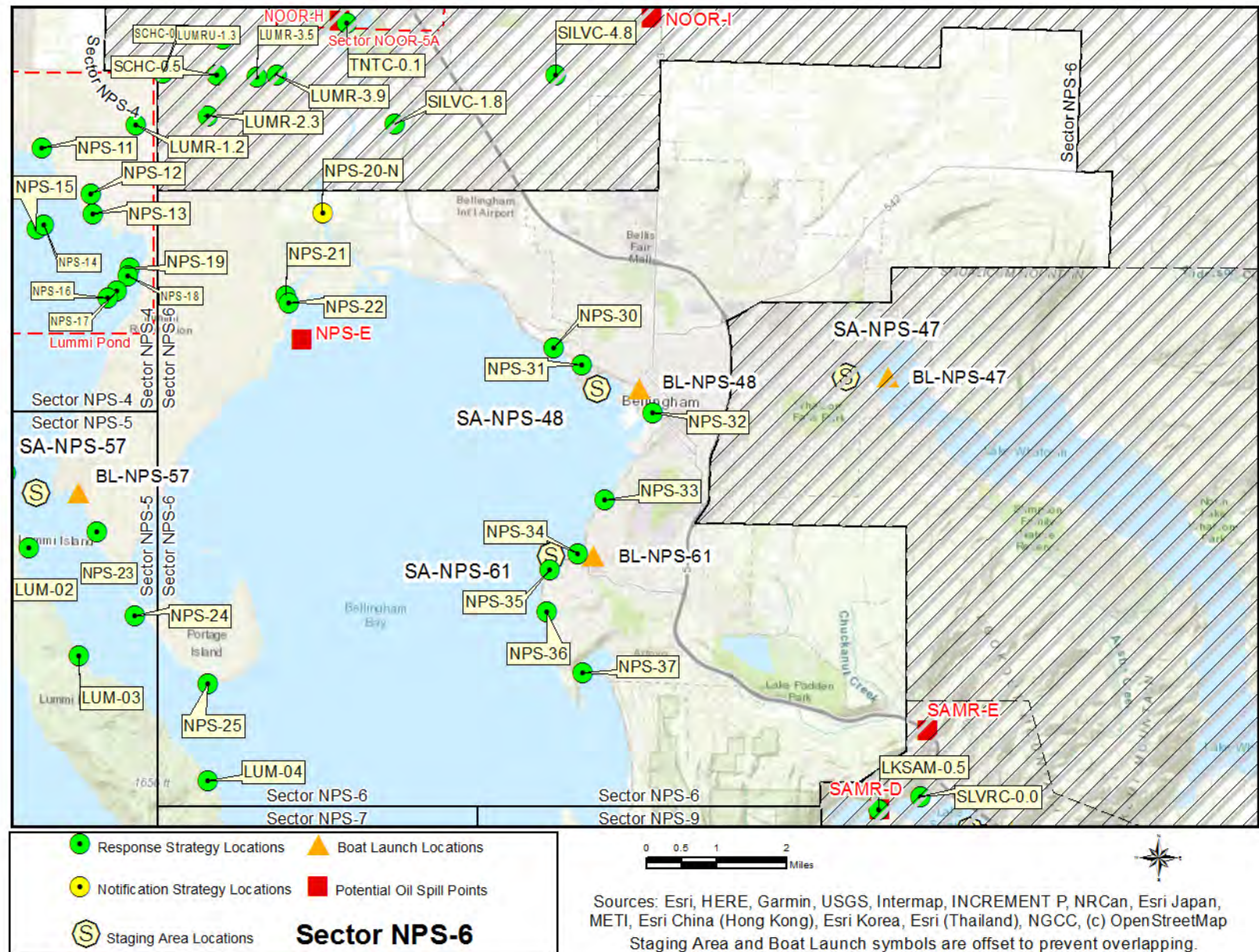


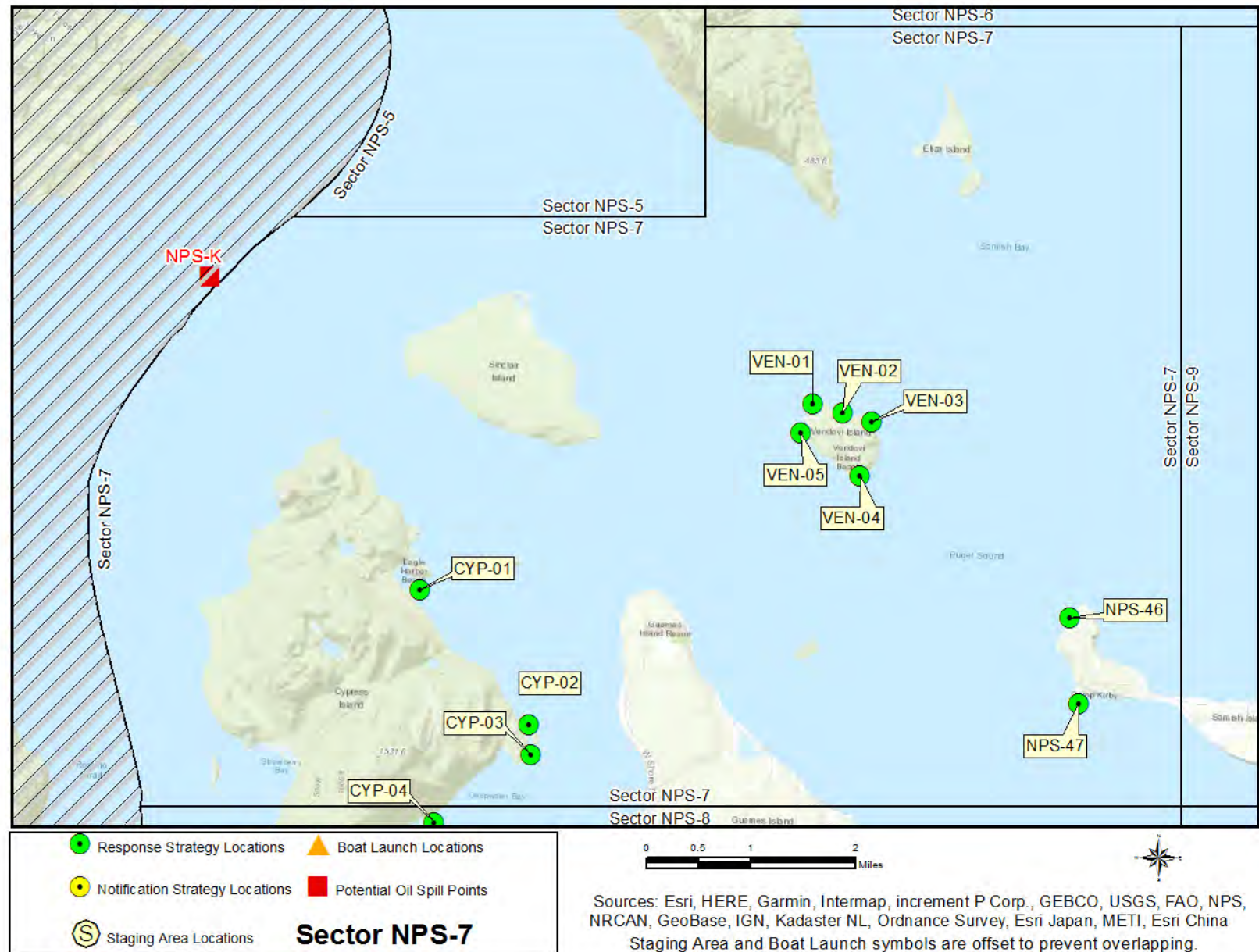


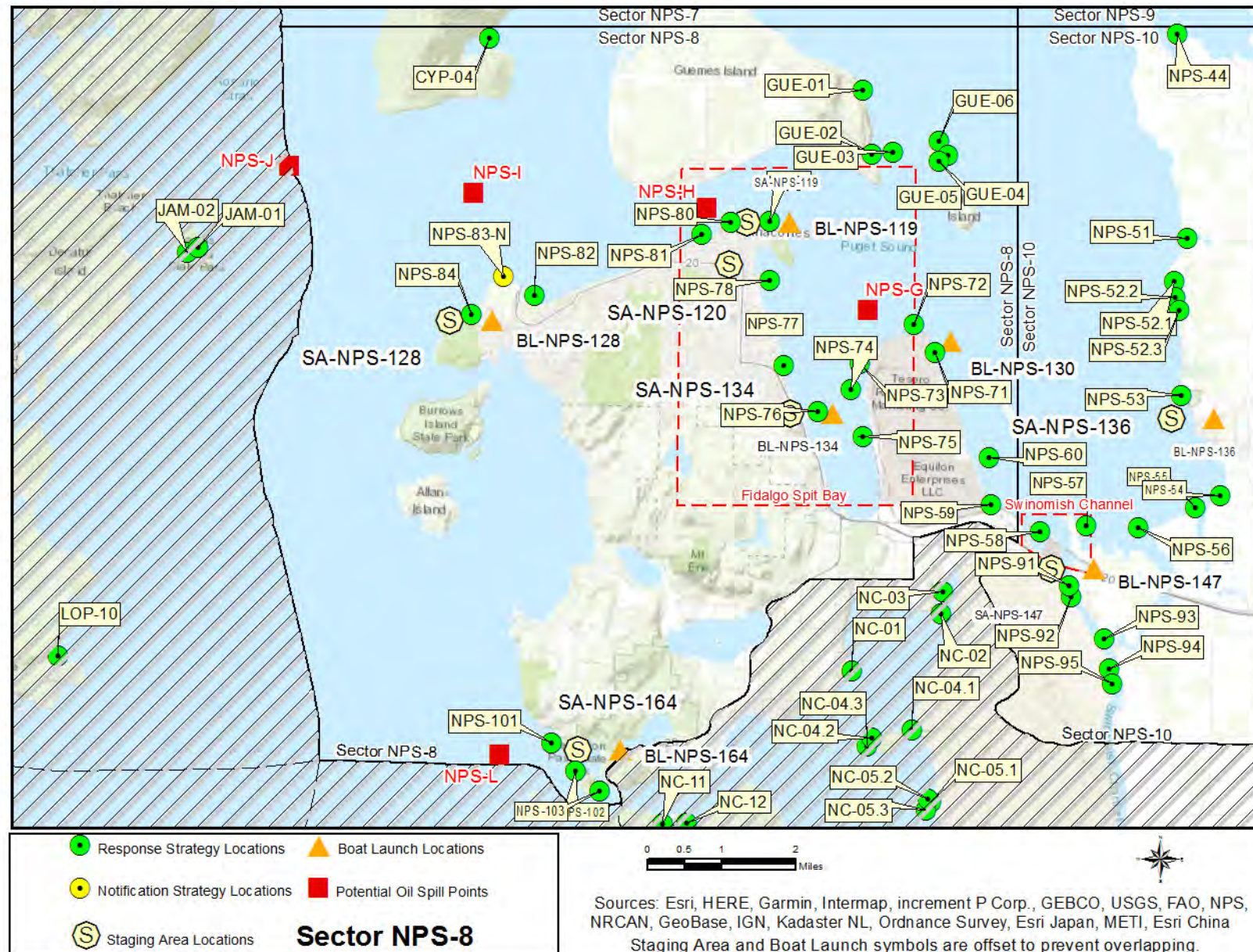


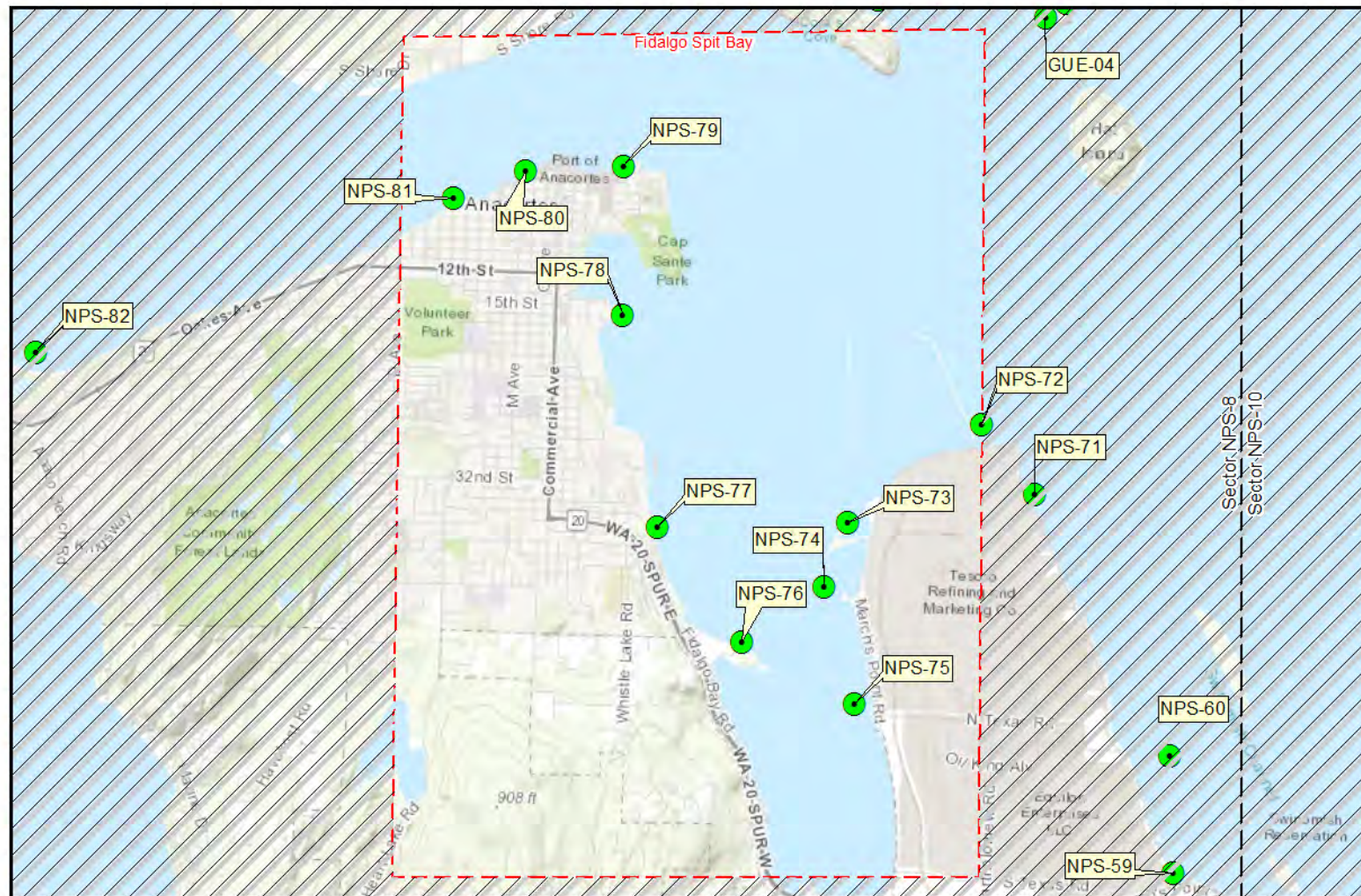













 Response Strategy Locations

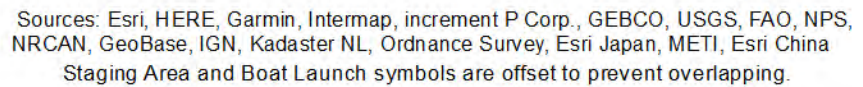
Fidalgo Spit Bay

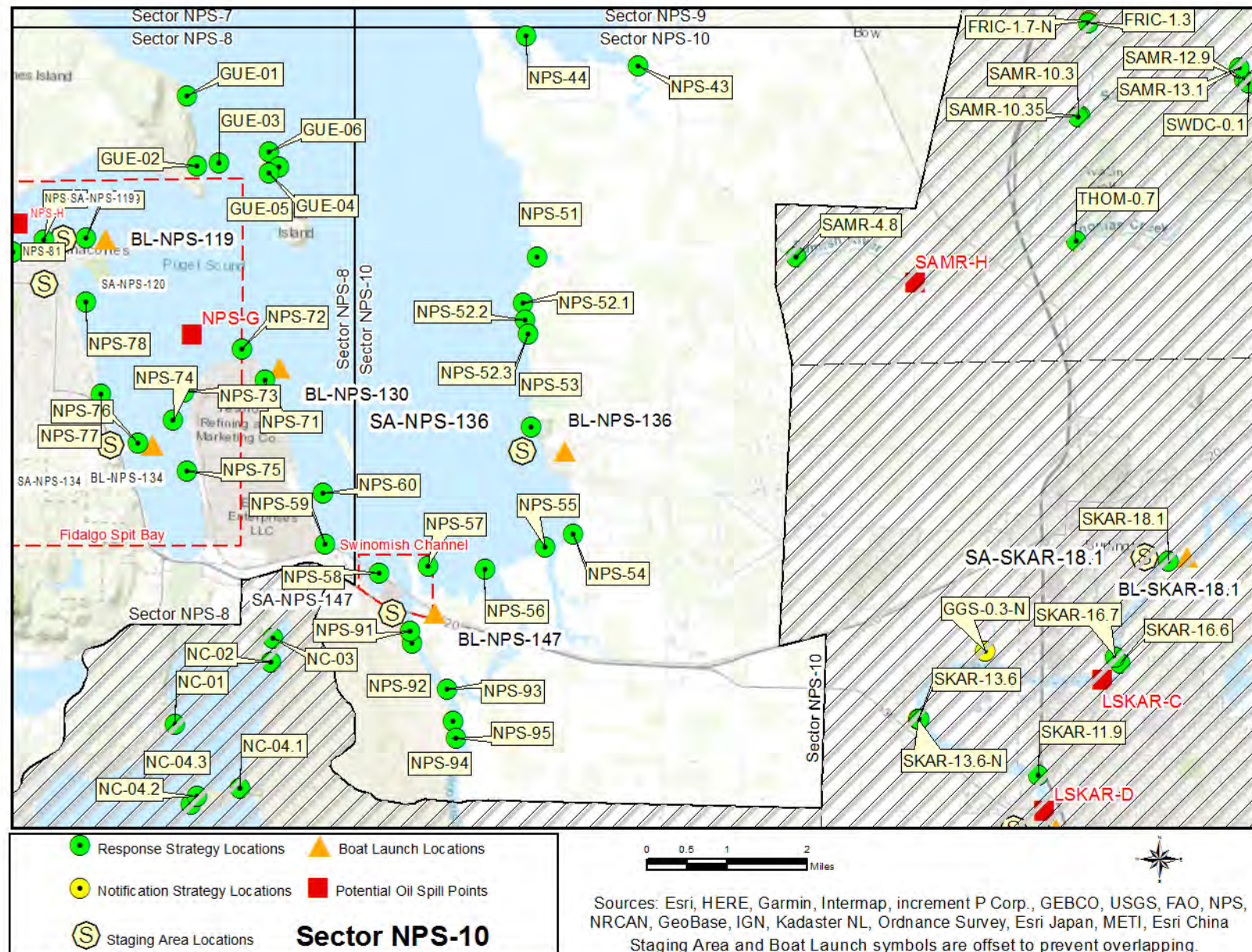
0 0.5 1 Miles

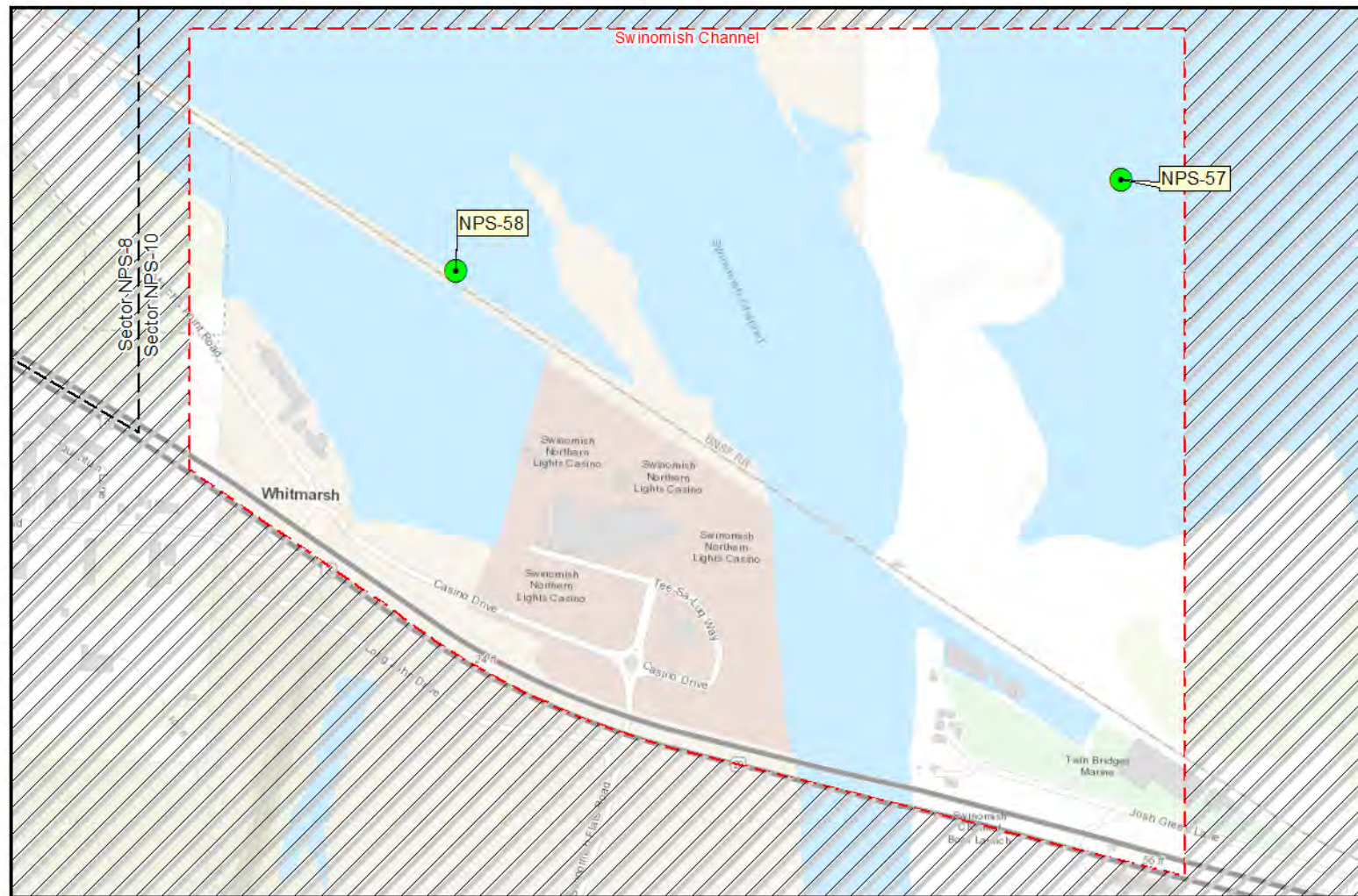


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri

DRAFT. Staging Area and Boat Launch symbols are offset to prevent overlapping.







Response Strategy Locations

Swinomish Channel



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri

DRAFT. Staging Area and Boat Launch symbols are offset to prevent overlapping.

Table 1: NPS-A (Cherry Point, BP Refinery)

NPS-A (Cherry Point, BP Refinery)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NPS-14	Sector NPS-4	200	131	
2	NPS-15	Sector NPS-4	200	133	
3	NPS-16	Sector NPS-4	100	135	
4	NPS-17	Sector NPS-4	600	137	
5	NPS-18	Sector NPS-4	200	139	
6	NPS-19	Sector NPS-4	200	141	
7	NPS-13	Sector NPS-4	100	129	
8	NPS-11	Sector NPS-4	300	125	
9	NPS-12	Sector NPS-4	400	127	

Total Boom: 2300 ft.

Table 2: NPS-B (P66 Ferndale Refinery)

NPS-B (P66 Ferndale Refinery)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NPS-14	Sector NPS-4	200	131	
2	NPS-15	Sector NPS-4	200	133	
3	NPS-16	Sector NPS-4	100	135	
4	NPS-17	Sector NPS-4	600	137	
5	NPS-18	Sector NPS-4	200	139	
6	NPS-19	Sector NPS-4	200	141	
7	NPS-13	Sector NPS-4	100	129	
8	NPS-11	Sector NPS-4	300	125	
9	NPS-12	Sector NPS-4	400	127	

Total Boom: 2300 ft.

Table 3: NPS-C (N of Matia & Lummi Islands)

NPS-C (N of Matia & Lummi Islands)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NPS-14	Sector NPS-4	200	131	
2	NPS-15	Sector NPS-4	200	133	
3	NPS-16	Sector NPS-4	100	135	
4	NPS-17	Sector NPS-4	600	137	
5	NPS-18	Sector NPS-4	200	139	
6	NPS-19	Sector NPS-4	200	141	
7	NPS-13	Sector NPS-4	100	129	
8	NPS-11	Sector NPS-4	300	125	
9	NPS-12	Sector NPS-4	400	127	

Total Boom: 2300 ft.

Table 4: NPS-D (Off the SE corner of Clark Island)

NPS-D (Off the SE corner of Clark Island)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	CYP-01	Sector NPS-7	1300	81	
2	CYP-04	Sector NPS-7	1000	87	
3	CYP-02	Sector NPS-7	500	83	
4	CYP-03	Sector NPS-7	600	85	
5	JAM-01	SEE SJI GRP	900	SEE SJI GRP	James Island
6	JAM-02	SEE SJI GRP	900	SEE SJI GRP	James Island

Total Boom: 5200 ft.

Table 5: NPS-E (Mouth of Nooksack River)

NPS-E (Mouth of Nooksack River)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NPS-22	Sector NPS-6	500	145	
2	NPS-11	Sector NPS-6	300	125	
3	NPS-20-N	Sector NPS-6	Notification	261	

Total Boom: 800 ft.

Table 4: NPS-F (Mouth of the Samish River)

NPS-F (Mouth of the Samish River)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NPS-43	Sector NPS-10	300	173	
2	NPS-45	Sector NPS-10	900	177	
3	NPS-44	Sector NPS-10	300	175	
4	NPS-42	Sector NPS-10	300	171	

Total Boom: 1800 ft.

Table 7: NPS-G (March Point Refineries)

NPS-G (March Point Refineries)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NPS-75	Sector NPS-8	2300	215	
2	NPS-76	Sector NPS-8	4000	217	
3	NPS-71	Sector NPS-8	2000	207	
4	NPS-73	Sector NPS-8	200	211	
5	NPS-74	Sector NPS-8	1400	213	
6	GUE-01	Sector NPS-8	500	89	
7	NPS-80	Sector NPS-8	800	225	
8	NPS-81	Sector NPS-8	600	227	
9	NPS-82	Sector NPS-8	2200	229	

Total Boom: 14000 ft.

Table 8: NPS-H (W Entrance to Guemes Channel)

NPS-H (W Entrance to Guemes Channel)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NPS-75	Sector NPS-8	2300	215	
2	NPS-76	Sector NPS-8	4000	217	
3	GUE-02	Sector NPS-8	1200	91	
4	NPS-82	Sector NPS-8	2200	229	
5	NPS-73	Sector NPS-8	200	211	
6	NPS-74	Sector NPS-8	1400	213	
7	NPS-84	Sector NPS-8	1100	231	
8	NPS-80	Sector NPS-8	800	225	
9	NPS-81	Sector NPS-8	600	227	

Total Boom: 13800 ft.

Table 9: NPS-I (E. Entrance to Guemes Channel)

NPS-I (E. Entrance to Guemes Channel)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NPS-82	Sector NPS-8	2200	229	
2	NPS-84	Sector NPS-8	1100	231	
3	CYP-04	Sector NPS-8	1000	87	
4	CYP-01		1300	81	
5	NPS-101	Sector NPS-8	1900	243	
6	NPS-102	Sector NPS-8	1900	245	
7	NC-11	SEE NCPS GRP	500	SEE NCPS GRP	Cornet Island
8	JAM-01	SEE SJI GRP	900	SEE SJI GRP	James Island
9	JAM-02	SEE SJI GRP	900	SEE SJI GRP	James Island
10	LOP-10	SEE SJI GRP	900	SEE SJI GRP	Lopez Island

Total Boom: 12600 ft.

Table 10: NPS-J (a) (E of James Island)

NPS-J(a) (E of James Island)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
October-March					
1	JAM-02	SEE SJI GRP	900	SEE SJI GRP	James Island
2	JAM-01	SEE SJI GRP	900	SEE SJI GRP	James Island
3	LOP-10	SEE SJI GRP	900	SEE SJI GRP	Lopez Island
4	LOP-11	SEE SJI GRP	1000	SEE SJI GRP	Lopez Island
5	LOP-12	SEE SJI GRP	1400	SEE SJI GRP	Lopez Island
6	LOP-13	SEE SJI GRP	1700	SEE SJI GRP	Lopez Island
7	NPS-82	Sector NPS-8	2200	229	
8	NPS-84	Sector NPS-8	1100	231	

Total Boom: 10100 ft.

Table 11: NPS-J (b) (E of James Island)

NPS-J(a) (E of James Island)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
April-Sept					
1	JAM-02	SEE SJI GRP	900	SEE SJI GRP	James Island
2	JAM-01	SEE SJI GRP	900	SEE SJI GRP	James Island
3	NPS-82	Sector NPS-8	2200	229	
4	NPS-84	Sector NPS-8	1100	231	
5	NPS-101	Sector NPS-8	1900	243	
6	NPS-102	Sector NPS-8	1900	245	
7	NC-11	SEE NCPS GRP	500	SEE NCPS GRP	Cornet Bay
8	LOP-10	SEE SJI GRP	900	SEE SJI GRP	Lopez Island

Total Boom: 10300 ft.

Table 12: NPS-K (NW Corner of Cypress Island)

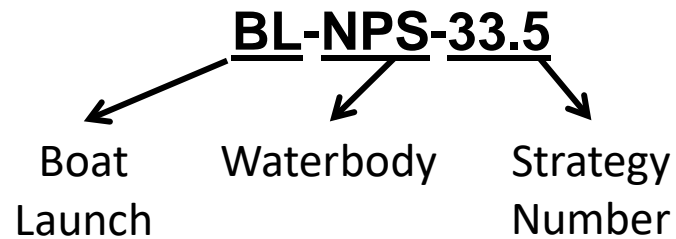
NPS-K (NW Corner of Cypress Island)					
Implementation Priority	Strategy Number	Sector Map	Boom Length (Feet)	Strategy Details (Page #)	Comments
1	NPS-82	Sector NPS-8	2200	229	
2	NPS-84	Sector NPS-8	1100	231	
3	CYP-04	Sector NPS-8	1000	87	
4	CYP-01	Sector NPS-7	1300	81	
5	JAM-02	SEE SJI GRP	900	SEE SJI GRP	James Island
6	JAM-01	SEE SJI GRP	900	SEE SJI GRP	James Island
7	NPS-101	Sector NPS-8	1900	243	
8	NPS-102	Sector NPS-8	1900	245	
9	NC-11	SEE NCPS GRP	500	SEE NCPS GRP	Cornet Bay
10	LOP-10	SEE SJI GRP	900	SEE SJI GRP	Lopez Island

Total Boom: 12600 ft.

MATRICES

Naming Conventions (Short Names)

Each strategy, staging area, and boat launch location in this document has been given a unique “Short Name” which includes one to six letters denoting the associated waterbody. Following the letters are numbers that specify the location. In marine areas, the numbers do not have a geographic meaning. Notification strategies are indicated by an “-N” at the end of the name. Staging Areas and Boat Launches are indicated by the prefix “SA” or “BL”.



Associated river body short name designations used within the plan include:

GUE = Guemes Island
 CYP = Cyprus Island
 LUM = Lummi Island
 LUMR = Lummi River
 VEN = Vendovi Island
 ELZ = Eliza Island

SA = Staging Area
 BL = Boat Launch
 N = Notification Strategy
 NC = North Central Puget Sound
 SJI = San Juan Island

Response Strategy Matrices

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
CYP-01	Eagle Harbor (NE Side of Cypress Island) 48.58796 -122.69394	Exclusion	Boom 1300ft	Yes	Remote BL-NPS-128 Washington Park (Anacortes)	Marine Birds, State Park		Sector NPS-7	81
CYP-02	Cypress Head North Cove 48.56964 -122.67054	Exclusion	Boom 500ft	Yes	Remote BL-NPS-128 Washington Park (Anacortes)	Shellfish, State Park	Outhouse at park inside cove, no other services.	Sector NPS-7	83
CYP-03	South Cypress Head 48.56542 -122.66992	Exclusion	Boom 600ft	Yes	Remote BL-NPS-128 Washington Park (Anacortes)	Shellfish, State Park	Outhouse at park no other services.	Sector NPS-7	85
CYP-04	Secret Harbor (SE Side of Cypress Island) 48.55563 -122.68965	Exclusion	Boom 1000ft	Yes	Remote BL-NPS-128 Washington Park (Anacortes)	Crabs, Marine Birds, Shellfish, State Lands		Sector NPS-8	87

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GUE-01	Guemes Island E side, Boat Harbor 48.54742 -122.57878	Exclusion	Boom 500ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Crabs, Eelgrass, Kelp Beds, Raptors, Shellfish, State Lands		Sector NPS-8	89
GUE-02	Long Bay (SE corner of Guemes Island) 48.53481 -122.57550	Exclusion	Boom 1200ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Crabs, Eelgrass, Forage Fish, Kelp Beds, Salmonids, Shellfish		Sector NPS-8	91
GUE-03	Huckleberry Island South Beach 48.53543 -122.56955	Exclusion	Boom 1000ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Crabs, Eelgrass, Kelp Beds, Marine Mammals, Raptors, Shellfish		Sector NPS-8	93

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
GUE-04	Southern cove Saddlebag Island to Dot Island 48.53375 -122.55561	Exclusion	Boom 1000ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Crabs, Eelgrass, Marine Mammals, Raptors, Shellfish	Protecting sampling site for Padilla Bay Estuary, Saddlebag Island is a State Park.	Sector NPS-8	95
GUE-05	East side of Saddlebag Island and Dot Island 48.53498 -122.55315	Exclusion	Boom 600ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Crabs, Eelgrass, Raptors, Shellfish		Sector NPS-8	97
GUE-06	North Cove of Saddlebag Island 48.53771 -122.55578	Exclusion	Boom 1200ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Crabs, Eelgrass, Kelp Beds, Marine Birds, Raptors, Shellfish		Sector NPS-8	99

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
LUM-01	Lummi Point (E side of Lummi Island) 48.73558 -122.68776	Collection	Boom 1000ft	Yes	Remote BL-NPS-57 Fisherman's Cove Marina	Crabs, Eelgrass, Forage Fish, Shellfish, Waterfowl		Sector NPS-5	101
LUM-02	Lummi Island Ferry (Lummi Island side) 48.72032 -122.67995	Collection	Boom 1000ft	Yes	Remote BL-NPS-57 Fisherman's Cove Marina or Bellingham	Crabs, Forage Fish, Public Lands, Shellfish, Waterfowl		Sector NPS-5	103
LUM-03	Sunrise Cove (E side of Lummi Island) 48.69821 -122.66323	Exclusion	Boom 1200ft	Yes	Remote BL-NPS-57 Fisherman's Cove Marina or Bellingham	Crabs, Estuary Resources, Forage Fish, Raptors, Shellfish, Waterfowl		Sector NPS-5	105
LUM-04	Inati Bay (E side of Lummi Island) 48.67309 -122.62202	Exclusion	Boom 1100ft	Yes	Remote BL-NPS-57 Fisherman's Cove Marina	Crabs, Estuary Resources, Forage Fish, Raptors, Shellfish, Waterfowl		Sector NPS-6	107

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
LUMR-1.2	Lummi River at Hillaire Rd 48.80835 -122.64999	Collection	Boom 400ft	No	Onsite Stage onsite, using road surface and shoulder. Lane closure possible- use WSDOT guidelines.	Fish Hatchery, Raptors, Salmonids, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	109
NPS-01	Drayton Harbor Entrance 48.99234 -122.76848	Collection, Exclusion	Boom 1000ft	Yes	Onsite BL-NPS-2 Blaine Staging Area - Westman Marine	Crabs, Eelgrass, Forage Fish, Historic Register Site, Marina, Marine Birds, Marine Mammals, Salmonids, Shellfish, Waterfowl	See BL-NPS-2 for facilities at site.	Sector NPS-2	111

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-02	Dakota Creek 48.97226 -122.72954	Collection, Exclusion	Boom 500ft	Yes	Remote BL-NPS-2 Blaine Staging Area - Westman Marine	Crabs, Eelgrass, Forage Fish, Marine Birds, Marine Mammals, Salmonids, Shellfish, Waterfowl	Lane closure may be needed- use WSDOT guidelines.	Sector NPS-2	113
NPS-03	California Creek 48.96210 -122.73295	Collection, Exclusion	Boom 200ft	No	Onsite Stage on west side of bridge and launch from BL-NPS-2 Blaine Staging Area - Westman Marine	Crabs, Eelgrass, Forage Fish, Marine Birds, Marine Mammals, Salmonids, Shellfish, Waterfowl	Lane closure may be needed- use WSDOT guidelines.	Sector NPS-2	115
NPS-04	Birch Bay Village (West Jetty) 48.93108 -122.78728	Deflection	Boom 500ft	Yes	Remote BL-NPS-16 Birch Bay State Park or from Birch Bay Village Marina (gated community)	Crabs, Eelgrass, Forage Fish, Marina, Marine Birds, Shellfish, Waterfowl	Gated Community. Coordinate access and use of boat launch and marina/yacht club parking area (for staging) by calling office at 360-371-7744 and main gate at 360- 371-7644.	Sector NPS-2	117

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-05	Birch Bay Village (Entrance & East Jetty) 48.93197 -122.78707	Exclusion	Boom 500ft	Yes	Remote BL-NPS-16 Birch Bay State Park or onsite at Birch Bay Village Marina (gated community)	Crabs, Eelgrass, Forage Fish, Marina, Marine Birds, Shellfish, Waterfowl	Gated Community. Coordinate access and use of boat launch and marina/yacht club parking area (for staging) by calling office at 360-371-7744 and main gate at 360- 371-7644.	Sector NPS-2	119
NPS-06	Terrell Creek 48.91787 -122.74541	Collection, Exclusion	Boom 200ft	No	Onsite Stage on west side of Birch Bay Dr. Bridge or at Mouth (if access granted).	Crabs, Eelgrass, Forage Fish, Marine Birds, Shellfish, Waterfowl		Sector NPS-2	121
NPS-07	End of Gulf Road 48.85494 -122.73136	Collection	Boom 1000ft	Yes	Onsite Stage along road	Forage Fish, Marine Birds, Waterfowl	Lane closure may be needed- use WSDOT guidelines. Contact BP Cherry Point Refinery Security BEFORE deployment (land owners).	Sector NPS-4	123

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-11	Sandy Point Tide Gates 48.80310 -122.67945	Exclusion	Boom 300ft	Yes	Onsite Stage from cul de sac at end of Decatur Drive.	Salmonids, Shellfish, Shorebirds, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	125
NPS-12	Lummi River Mouth 48.79377 -122.66372	Exclusion	Boom 400ft	Yes	Onsite Stage onsite, using dike road. Can launch small boat from pilings south of site.	Salmonids, Shellfish, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	127

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-13	Smuggler Slough Tide Gates 48.78981 -122.66267	Collection, Exclusion	Boom 100ft	Yes	Onsite Stage from Dike Road	Shellfish, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	129
NPS-14	Lummi Pond NW-1 48.78731 -122.66572	Exclusion	Boom 200ft	Yes	Onsite Stage from the Sea Pond Dike Rd., but you need a vehicle with high clearance.	Fish Hatchery, Shellfish, Tribal Lands/Resources	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	131

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-15	Lummi Pond NW-2 48.78624 -122.68030	Exclusion	Boom 200ft	Yes	Onsite Stage from the Sea Pond Dike Rd., but you need a vehicle with high clearance.	Fish Hatchery, Marine Mammals, Shellfish, Tribal Lands/Resources	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	133
NPS-16	Lummi Pond SE-4 48.77235 -122.65727	Exclusion	Boom 100ft	Yes	Onsite Stage from the Sea Pond Dike Rd., boat launch near NPS-17.	Crabs, Fish Hatchery, Forage Fish, Shellfish, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	135

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-17	Lummi Pond SE-3 48.77391 -122.65475	Exclusion	Boom 600ft	Yes	Onsite Stage from the Sea Pond Dike Rd., boat launch onsite (near Anchor A).	Crabs, Fish Hatchery, Shellfish, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	137
NPS-18	Lummi Pond SE-2 48.77707 -122.65135	Exclusion	Boom 200ft	Yes	Onsite Stage from the Sea Pond Dike Rd., boat launch near NPS-17.	Crabs, Fish Hatchery, Forage Fish, Shellfish, Tribal Lands/Resources	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	139

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-19	Lummi Pond SE-1 48.77884 -122.65057	Exclusion	Boom 200ft	Yes	Onsite Stage from the Sea Pond Dike Rd., boat launch near NPS-17.	Fish Hatchery, Marine Mammals, Shellfish, Tribal Lands/Resources	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-4	141
NPS-21	Kwina Slough (S entrance) 48.77378 -122.60150	Exclusion	Boom 300ft	Yes	Onsite Stage onsite in parking area of Native Seafoods.	Estuary Resources, Salmonids, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy. Site may flood.	Sector NPS-6	143

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-22	Mouth of Nooksack 48.77233 -122.60051	Collection	Boom 500ft	Yes	Onsite Stage onsite, using dirt road. Boat access from bank at end of road.	Estuary Resources, Marine Mammals, Salmonids, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-6	145
NPS-23	Stommish Grounds 48.72404 -122.65879	Collection	Boom 1000ft	Yes	Onsite Stommish Grounds parking lot/grandstand area	Crabs, Forage Fish, Recreational Use Area, Shellfish, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-5	147

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-24	Portage Island Westside 48.70674 -122.64623	Collection	Boom 1000ft	Yes	Remote BL-NPS-57 Fisherman's Cove Marina or Bellingham	Crabs, Estuary Resources, Forage Fish, Raptors, Shellfish, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-5	149
NPS-25	Point Francis (SW corner of Portage Island) 48.69309 -122.62278	Collection	Boom 1000ft	Yes	Remote BL-NPS-57 Fisherman's Cove Marina or Bellingham	Crabs, Estuary Resources, Forage Fish, Shellfish, Tribal Lands/Resources, Waterfowl	Pre-Notification Required: Chief of Police 360-812-0034. If the Chief cannot be reached, call 911 and ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.	Sector NPS-6	151
NPS-30	Little Squalicum Creek 48.76453 -122.51736	Exclusion	Boom 100ft	Yes	Onsite Can stage onsite or bring boom by boat- potential parking at Marine Drive or Lindbergh Ave	City Park, Estuary Resources, Forage Fish, Habitat Restoration Site, Resident Fish, Salmonids, Wetlands	Vehicle access may be possible using dirt road off Lindberg Ave- Contact Parks for Access	Sector NPS-6	153

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-31	Squalicum Creek (Bellingham) 48.76115 -122.50847	Exclusion	Boom 100ft	No	Onsite Enough room to park vehicle north of bridge.	City Park, Salmonids	Lane closure possible- use WSDOT guidelines.	Sector NPS-6	155
NPS-32	Whatcom Creek 48.75154 -122.48594	Collection	Boom 700ft	Yes	Onsite Stage equipment on-site, launch from BL-NPS-48 Squalicum Harbor Marina Boat Launch	Habitat Restoration Site, Historic Register Site, Public Lands, Salmonids	Best implemented during slack high tide. Small dock and property on creek right managed by The Landings at Colony Wharf.	Sector NPS-6	157
NPS-33	Boulevard Park Restored Beach 48.73332 -122.50022	Exclusion	Boom 400ft	Yes	Remote BL-NPS-61 Fairhaven Boat Launch- accessible by vehicle from park	City Park, Habitat Restoration Site, Marine Birds, Marine Mammals		Sector NPS-6	159
NPS-34	Padden Creek 48.72205 -122.50805	Exclusion	Boom 200ft	Yes	Onsite BL-NPS-61 Fairhaven Boat Launch (onsite) or Bellingham	Forage Fish, Marine Mammals, Salmonids	Flow through trestle may be significant during tidal exchanges. Call BNSF before deployment; coordinate with On-Call Hazmat Manager at 817- 352-2832.	Sector NPS-6	161

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-35	Post Point Lagoon (Marine Park) 48.71861 -122.51681	Exclusion	Boom 200ft	Yes	Remote Stage equipment at Marine Park (adjacent); launch from BL-NPS-61 Fairhaven Boat Launch	Forage Fish, Recreational Use Area, Salmonids	Flow through gap may be significant during tidal exchange.	Sector NPS-6	163
NPS-36	Lagoon South of Post Point. 48.70996 -122.51752	Exclusion	Boom 200ft	Yes	Remote BL-NPS-61 Fairhaven Boat Launch or Bellingham	Crabs, Salmonids, Shellfish	Flow through gap may be significant during tidal exchanges.	Sector NPS-6	165
NPS-37	Chuckanut Creek 48.69739 -122.50578	Exclusion	Boom 400ft	Yes	Remote BL-NPS-61 Fairhaven Boat Launch or Bellingham	Crabs, Raptors, Salmonids, Shellfish, Shorebirds	Gap can have strong currents and wind gusts.	Sector NPS-6	167
NPS-41	Larrabee State Park, Wildcat Cove 48.65269 -122.49433	Exclusion	Boom 800ft	Yes	Onsite BL-NPS-79 Larrabee State Park	Crabs, Eelgrass, Forage Fish, Marine Mammals, Salmonids, Shellfish, State Park	Two small coves with rocky shoreline- ensure strategy keeps oil out of both coves.	Sector NPS-9	169

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-42	Harrison and Colony Creeks 48.60006 -122.42485	Exclusion	Boom 300ft	No	Onsite Stage pickup on dirt road on W side of Chuckanut Drive- PSE lock on cable.	Eelgrass, Forage Fish, Marine Birds, Salmonids, Shorebirds, Waterfowl	Access on west side of rail tracks, there is a PSE lock on the cable for the dirt access road. Call BNSF before deployment; coordinate with On-Call Hazmat Manager at 817-352-2832.	Sector NPS-9	171
NPS-43	Samish River near Bayview-Edison Road 48.55495 -122.45563	Exclusion	Boom 300ft	Yes	Onsite Stage and use earthen/dirt boat ramp onsite to hand-launch workboat.	Estuary Resources, Salmonids, Shorebirds, Waterfowl	Coordinate access with property owners: Edison Hunting Club; 360-766-0105.	Sector NPS-10	173
NPS-44	Siwash Slough/Alice Bay - South Entrance 48.55992 -122.48640	Exclusion	Boom 300ft, Sorbent 300ft	Yes	Remote Stage Equipment and use Boat Launch at Larrabee State Park (SA-NPS-79 & BL-NPS-79)	Estuary Resources, Raptors, Salmonids, Shellfish, Shorebirds, Waterfowl	Entire area is VERY SHALLOW; High Tide Deployment Recommended. Coordinate deployment with Private Property Owner (Samish Bay Sports Club Inc).	Sector NPS-10	175

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-45	Siwash Slough/Alice Bay - North Entrance 48.56739 -122.49078	Exclusion	Boom 900ft	Yes	Remote Stage Equipment and use Boat Launch at Larrabee State Park (SA-NPS-79 & BL-NPS-79)	Raptors, Salmonids, Shorebirds, Waterfowl	Entire area is VERY SHALLOW; coordinate with Padilla Bay for best time to access site on tidal cycle.	Sector NPS-9	177
NPS-46	South Side of Williams Point 48.58656 -122.55782	Exclusion	Boom 1000ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Crabs, Estuary Resources, Forage Fish, Salmonids, Shellfish		Sector NPS-7	179
NPS-47	Camp Kirby 48.57532 -122.55296	Exclusion	Boom 1500ft	Yes	Remote Cap Sante Marina or other boat launch near Anacortes	Shellfish, Waterfowl	Contact Camp Kirby for land access (camp open seasonally).	Sector NPS-7	181
NPS-51	Joe Leary Slough 48.51989 -122.48194	Exclusion	Boom 600ft	Yes	Remote BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel	Backwater Habitat, Eelgrass, Herons, Marsh, Raptors, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge	Contact Padilla Bay for navigation information and up-to-date landowner information.	Sector NPS-10	183

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-52.1	Sullivan Salt Marsh North Unit (North Channel) 48.51143 -122.48549	Exclusion	Boom 950ft	Yes	Remote BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel	Eelgrass, Marsh, Raptors, Shellfish, Shorebirds, Waterfowl, Wildlife Refuge	Contact Padilla Bay for navigation information and up-to-date landowner information.	Sector NPS-10	185
NPS-52.2	Sullivan March North Unit (southern section) 48.50823 -122.48481	Exclusion	Boom 400ft	Yes	Remote BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel	Eelgrass, Marsh, Raptors, Shellfish, Shorebirds, Waterfowl, Wildlife Refuge	Contact Padilla Bay for navigation information and up-to-date landowner information.	Sector NPS-10	187
NPS-52.3	Sullivan Marsh Southern Unit 48.50581 -122.48376	Exclusion	Boom 700ft	Yes	Remote BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel	Eelgrass, Marsh, Raptors, Shellfish, Shorebirds, Waterfowl, Wildlife Refuge	Contact Padilla Bay for navigation information and up-to-date landowner information.	Sector NPS-10	189

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-53	Bayview State Park North Beach 48.48897 -122.48231	Exclusion	Boom 600ft	Yes	Remote BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel	Eelgrass, Forage Fish, Herons, Marsh, Shellfish, Shorebirds, State Park, Waterfowl, Wildlife Refuge	Contact Padilla Bay for navigation information. Boat launch is south of park.	Sector NPS-10	191
NPS-54	No Name Slough (Padilla Bay) 48.46967 -122.47018	Exclusion	Boom 500ft	Yes	Remote BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel	Economic Resources, Estuary Resources, Salmonids, Shorebirds, Waterfowl	Contact Padilla Bay for navigation information and up-to-date landowner information. May also be able to coordinate land access via Shore Trail.	Sector NPS-10	193
NPS-55	Indian Slough (S end of Padilla Bay) 48.46715 -122.47763	Exclusion	Boom 2800ft	Yes	Remote BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel	Backwater Habitat, Eelgrass, Herons, Marsh, Raptors, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge	Contact Padilla Bay for navigation information and up-to-date landowner information.	Sector NPS-10	195

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-56	Telegraph Slough, W end of Dike Island 48.46290 -122.49405	Exclusion	Boom 3100ft	Yes	Remote BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel	Backwater Habitat, Eelgrass, Herons, Marsh, Raptors, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge	Contact Padilla Bay for navigation information and up-to-date landowner information. Area is shallow and becomes a mudflat at low tide.	Sector NPS-10	197
NPS-57	Swinomish Spit 48.46314 -122.50941	Exclusion	Boom 3100ft	Yes	Remote BL-NPS-147 Swinomish Channel	Eelgrass, Marine Birds, Marsh, Salmonids, Shorebirds, Waterfowl, Wetlands	Contact Padilla Bay for navigation information and up-to-date landowner information.	Sector NPS-10	199
NPS-58	Rail Road Trestle, Whitmarsh Junction 48.46167 -122.52298	Exclusion	Boom 200ft	Yes	Onsite Rail Road Trestle, Whitmarsh Junction (behind Swinomish Casino)	Backwater Habitat, Estuary Resources, Herons, Marsh, Raptors, Salmonids, Shorebirds, Waterfowl	Contact BNSF to work on tracks: 800-832-5452.	Sector NPS-10	201

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-59	Salt Marsh SE Side March Point 48.46678 -122.53781	Exclusion	Boom 100ft	No	Onsite Stage at gravel pull off	Herons, Marsh, Raptors, Waterfowl	Pull out spot about 50 yards south of culvert. Emergency HPA required - see contact information.	Sector NPS-8	203
NPS-60	Sand Islands (E Fidalgo Island) 48.47596 -122.53868	Exclusion	Boom 3000ft	Yes	Remote BL-NPS-147 Swinomish Channel or Cap Sante Marina	Forage Fish, Herons, Shorebirds, Waterfowl, Wetlands	Sand Islands created by dredging of Swinomish Channel- Channel can be swift during tidal cycle.	Sector NPS-8	205
NPS-71	NE Shoreline of March Point 48.49627 -122.55546	Exclusion	Boom 2000ft	Yes	Onsite BL-NPS-130 March Point Boat Launch	Eelgrass, Forage Fish, Herons, Marine Birds, Marsh, Raptors, Waterfowl, Wetlands		Sector NPS-8	207
NPS-72	NE Corner March Point 48.50166 -122.56193	Collection	Boom 1500ft	Yes	Onsite pull-off on side of road, BL-NPS-130 March Point (around corner from strategy)	Eelgrass, Forage Fish, Herons, Marine Birds, Marsh, Raptors, Waterfowl	Need a 0 tide or greater for boat access (boat launch on east side of March Point)	Sector NPS-8	209

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-73	March Pt, Tidal Lagoon N of Crandall Spit 48.49371 -122.57743	Exclusion	Boom 200ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Crabs, Eelgrass, Forage Fish, Shellfish, Waterfowl	Vehicle access on March Point Road (~10019 Marchs Point Road, near W. Refinery Dock) is possible, but crossing under pipeline is difficult.	Sector NPS-8	211
NPS-74	March PT., Crandall Spit 48.48855 -122.58007	Exclusion	Boom 1400ft	Yes	Onsite Launch from Anacortes, but can stage in gravel lot near Crandall Spit.	Crabs, Eelgrass, Forage Fish, Shellfish, Shorebirds, Waterfowl	Requires a +5 rising tide.	Sector NPS-8	213
NPS-75	Causeway Across Fidalgo Bay 48.47939 -122.57602	Containment, Exclusion	Boom 2300ft	Yes	Remote BL-NPS-134 Fidalgo Bay Resort	City Park, Crabs, Eelgrass, Forage Fish, Herons, Marine Birds, Marsh, Shellfish, Waterfowl	Vehicle access on March Point Road, small pull out near abandoned train line, near south bank of bike path. This area is extremely shallow and becomes a mud flat at low tide.	Sector NPS-8	215

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-76	Fidalgo Bay, Weaverling Spit 48.48409 -122.58965	Exclusion	Boom 4000ft	Yes	Onsite BL-NPS-134 Fidalgo Bay Resort	Crabs, Eelgrass, Forage Fish, Raptors, Shellfish, Tribal Lands/Resources, Waterfowl		Sector NPS-8	217
NPS-77	Custom Plywood Mitigation Site 48.49288 -122.59997	Exclusion	Boom 400ft	Yes	Remote BL-NPS-134 Fidalgo Bay Resort	City Park, Eelgrass, Forage Fish, Habitat Restoration Site, Marine Mammals, Marsh, Raptors	Ecology Toxics Cleanup Site	Sector NPS-8	219
NPS-78	Cap Sante Park 48.50953 -122.60470	Collection, Exclusion	Boom 1800ft	Yes	Onsite Launch from BL-NPS-119 Port of Anacortes Commercial Ramp, stage at SA-NPS-120 Cap Sante Marina	City Park, Crabs, Eelgrass, Forage Fish, Habitat Restoration Site, Marina, Shellfish, Waterfowl	Gravel lots for staging north and west of marina, walking path to east end of north jetty starts at the northeast portion of the marina-paved trail accessible by vehicle.	Sector NPS-8	221

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-79	Wyman's Aquatic Habitat Mitigation Site 48.52114 -122.60514	Exclusion	Boom 300ft	Yes	Onsite Stage at Port of Anacortes Commercial Ramp, directly west of strategy location	Crabs, Habitat Restoration Site, Kelp Beds, Marine Birds, Shellfish		Sector NPS-8	223
NPS-80	Second Pocket Beach on N Side of Fidalgo Island 48.52066 -122.61665	Exclusion	Boom 800ft	Yes	Onsite BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Forage Fish, Habitat Restoration Site		Sector NPS-8	225
NPS-81	Pocket Beach on N Side of Fidalgo Island 48.51832 -122.62512	Exclusion	Boom 600ft	Yes	Onsite Launch from BL-NPS-119 Port of Anacortes Commercial Ramp or Anacortes	City Park, Eelgrass, Forage Fish, Habitat Restoration Site, Public Lands	CAUTION: Cable crossing area- do not deploy anchor systems in cable area	Sector NPS-8	227

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-82	Ship Harbor 48.50532 -122.67412	Exclusion	Boom 2200ft	Yes	Remote BL-NPS-128 Washington Park (Anacortes)	Crabs, Eelgrass, Forage Fish, Herons, Marine Birds, Mud Flat(s), Public Lands, Shellfish, Shorebirds, Waterfowl		Sector NPS-8	229
NPS-84	NW Fidalgo Island, Sunset Beach 48.50130 -122.69246	Exclusion	Boom 1100ft	Yes	Onsite BL-NPS-128 Washington Park (Anacortes)	City Park, Forage Fish	CABLE CROSSING- do not anchor near cable crossing (signs on beach)	Sector NPS-8	231
NPS-91	Swinomish Channel (south of Hwy 20 bridge) 48.45124 -122.51403	Collection	Boom 1200ft	Yes	Onsite BL-NPS-147 Swinomish Channel	Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Wetlands	Vac Truck access from gravel road on west bank.	Sector NPS-10	233

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-92	North Tide Gate on W side of Swinomish Channel 48.44906 -122.51345	Exclusion	Boom 200ft	No	Onsite Stage at Dike Rd, south of Hwy 20	Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Waterfowl, Wetlands	Mouth of wetland area may have log boom installed: use caution. Tidal gate along shore west of wetland area.	Sector NPS-10	235
NPS-93	Swinomish Channel 48.44100 -122.50338	Exclusion	Boom 500ft	Yes	Onsite Stage at Dike Road on east shore of Swinomish Channel, launch from Swinomish Channel boat launch	Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Waterfowl, Wetlands		Sector NPS-10	237
NPS-94	Central Tide Gate on W side of Swinomish Channel 48.43511 -122.50165	Exclusion	Boom 200ft	No	Onsite Stage at Dike Rd, south of Hwy 20	Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Waterfowl, Wetlands	Mouth of wetland area may have log boom installed: use caution. Tidal gate along shore west of wetland area.	Sector NPS-10	239

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-95	South Tide Gate on W side of Swinomish Channel 48.43214 -122.50057	Exclusion	Boom 100ft	No	Onsite Stage at Dike Rd, south of Hwy 20	Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Waterfowl, Wetlands		Sector NPS-10	241
NPS-101	Urchin Rocks (NW of Bowman Bay and Deception Pass) 48.41771 -122.66538	Exclusion	Boom 1900ft	Yes	Remote BL-NPS-164 Deception Pass State Park (Bowman Bay) or Anacortes	Forage Fish, Kelp Beds, Marine Birds, Marine Mammals, Shellfish, State Park, Waterfowl		Sector NPS-8	243
NPS-102	Bowman Bay and Sharpe Cove 48.41221 -122.65824	Exclusion	Boom 1900ft	Yes	Onsite BL-NPS-164 Deception Pass State Park (Bowman Bay) or Anacortes	Eelgrass, Forage Fish, Kelp Beds, Marine Birds, Marine Mammals, State Park, Waterfowl		Sector NPS-8	245

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
NPS-103	Lottie Bay (Bowman Bay/Deception Pass) 48.40857 -122.65097	Exclusion	Boom 400ft	Yes	Onsite Deception Pass State Park - Bowman Bay	Eelgrass, Habitat Restoration Site, Marine Birds, Marine Mammals, Raptors, Shellfish, State Park, Waterfowl	Avoid shallow rocks near anchor points A & B. Keep boom outside of kelp beds.	Sector NPS-8	247
VEN-01	Vendovi Island - North Cove 48.61526 -122.61275	Exclusion	Boom 800ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Marine Birds, Marine Mammals, Raptors, Shellfish	DO NOT SECURE BOOM TO RIPRAP; UNSTABLE. Call San Juan Preservation Trust before arrival (both owner and caretakers).	Sector NPS-7	249
VEN-02	Vendovi Island - Sunrise Beach 48.61409 -122.60648	Exclusion	Boom 1200ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Marine Birds, Raptors, Shellfish	Call San Juan Preservation Trust before arrival (both owners and caretakers).	Sector NPS-7	251

Strategy Name	Location	Strategy Type	Boom Length	Boat Req?	Staging Area	Resources At Risk	Comments	Sector Map	Strategy Details (Page#)
VEN-03	Vendovi Island (Eastern Side) - Unnamed Cove 48.61295 -122.60026	Exclusion	Boom 500ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Marine Birds, Marine Mammals, Raptors, Shellfish	Call San Juan Preservation Trust before arrival (both owner and caretakers). Water depth increases rapidly close to shore.	Sector NPS-7	253
VEN-04	Vendovi Island -Paintbrush Beach 48.60543 -122.60256	Exclusion	Boom 400ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Marine Birds, Raptors, Shellfish	Call San Juan Preservation Trust before arrival (both owners and caretakers). DO NOT ANCHOR TO TREES, shallow dirt/organic layer-trees will not withstand weight of boom. Shoreside anchors ineffective, due to shallow beach and underlying bedrock.	Sector NPS-7	255
VEN-05	Vendovi Island- Sunset Beach 48.61126 -122.61518	Exclusion	Boom 1200ft	Yes	Remote BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)	Marine Birds, Raptors, Shellfish	Call San Juan Preservation Trust before arrival (both owners and caretakers).	Sector NPS-7	257

Notification Strategy Matrices

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
ELZ-1-N	Eliza Island Drinking Water Intake 48.65383 -122.58760	Notification	Economic Resources, Public Health and Safety, Water Intakes	Call Eliza Island caretakers, located on island year-round, to notify of spill or potential spill impacting waters in the area around Eliza Island. Steve Gatt (503) 757-0892 or Melissa Seifferlein (503) 757-0195.	Notify Eliza Island caretakers so they can consider shutting down the water intakes for the island's drinking water system.	Sector NPS-7	261
NPS-20-N	Lummi Bay Hatchery Water Intakes and Net Pens 48.79128 -122.59091	Notification	Economic Resources, Shellfish, Tribal Lands/Resources, Water Intakes, Waterfowl	Call the Lummi Nation Chief of Police (911). If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer AND call the Lummi Natural Resources Director 360 410-1706. Inform them of any significant oil spill, or potential spill, that threatens to impact the hatchery water intake(s) on the Nooksack River, or net pens in Lummi Bay, so they can take action to protect the resources under their control.	Notify Lummi Nation so they can take action to protect their water intakes and net pens	Sector NPS-6	263

Strategy Name	Location	Strategy Type	Resources at Risk	Implementation	Comments	Sector Map	Strategy Details (Page#)
NPS-08-N	Sandy Point Wellhead Protection Area 48.82311 -122.67530	Notification	Public Health and Safety, Water Intakes	Contact 360-384-3921 and notify the Sandy Point Improvement Co of any spills to ground that may impact the protection area.	Notify the Sandy Point Wellhead Protection Area of any spills to ground that may impact drinking water.	Sector NPS-4	265
NPS-83-N	Shannon Point Marine Center 48.50896 -122.68356	Notification	Water Intakes	Call WWU security at 360-650-3555 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the Shannon Point Marine Center seawater intakes near the ferry terminals in Anacortes, so they can take action to protect the resources under their control, including seawater intakes for the research center.	Notify Western Washington Uni. so they can take action to protect the Shannon Point Marine Center's seawater intakes.	Sector NPS-8	267
NPS-96-N	Swinomish Channel Tide Gates 48.44497 -122.50976	Notification	Tribal Lands/Resources	Call 911 for emergency/afterhours, have dispatch transfer you to Swinomish Tribe Police. Notify them about any potential spill that may impact any of the five tide gates in the north part of the Swinomish Channel so that they can take actions to protect the resources under their controls, including wetland areas.	Notify Swinomish Tribe so that they can consider closing their tide gates along the Swinomish Channel.	Sector NPS-10	269

Staging Area Matrices

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
SA-NPS-1	Birch Bay Village Marina	48.93537 - 122.78511	8055 Cowichan Road Blaine, WA 98230	Birch Bay Village Main Gate (24-hour) 360-371-7644			Sector NPS-2	273
SA-NPS-2	Blaine Staging Area - Westman Marine	48.99171 - 122.76251	235 Marine Drive Blaine, WA 98230	Blaine Harbor Marina 360-647-6176	NPS-01, NPS-03, NPS-02		Sector NPS-2	275
SA-NPS-16	Birch Bay State Park	48.90126 - 122.77375	7115 Birch Bay Drive Blaine, WA 98230	Birch Bay State Park State Park Contact 360-371-2800	NPS-04, NPS-05	State Park	Sector NPS-3	277
SA-NPS-48	Squalicum Harbor Marina	48.75650 - 122.49656	722 Coho Way Bellingham, WA 98225	Squalicum Harbor Marina WA 360-676-2542	NPS-32, NPS-30	Afterhours entry/phone numbers: 360-676-2542; 360-739-8131 (cell). Restroom, shower, and laundry facilities closed 10pm - 6:30 am.	Sector NPS-6	279

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
SA-NPS-57	Fisherman's Cove Marina	48.73174 - 122.67127	2557 Lummi View Drive Bellingham, WA 98226	Fisherman's Cove Marina WA 360-758-2450	SUC-05, LUM-02, MAT-05, SUC-04, ORC-13, PAT-02, STU-01, NPS-25, ORC-01, PAT-04, SJI-01, ORC-07, JON-01, ORC-11, CLA-02, WAL-03, NPS-24, ORC-15, MAT-03, SUC-03, PAT-01, SUC-08, ORC-05, MAT-04, LUM-04, SJI-13, PAT-03, ORC-02, ORC-09, LUM-01, ORC-06, HEN-02, MAT-01, STU-02, SJI-14, SJI-10, WAL-01, MAT-02, ORC-08, JON-02, ORC-04, LUM-03, ORC-14, ORC-12, WAL-02, STU-03, ORC-03, CLA-01	Parking lot associated with marina	Sector NPS-5	281

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
SA-NPS-61	Fairhaven Boat Launch	48.72153 - 122.50960	501 Harris Avenue Bellingham, WA 98225		NPS-36, NPS-33, NPS-34, NPS-35, NPS-37		Sector NPS-6	283
SA-NPS-79	Larrabee State Park	48.65428 - 122.49371	348 Cove Road Bellingham, WA 98229	Larrabee State Park Park Ranger Bellingham, WA 98227 360-676-2093	NPS-45, NPS-41, NPS-44	Coordinate access and use of Boat Launch/Parking Area with Park Rangers; call 360-676-2093 (office hours), 360-305-9367 (after-hours) or 360-319-2118 (after-hours). Also call 360-755-9231 x233 (Regional Parks Manager) and 360-259-3273 (Parks HQ).	Sector NPS-9	285
SA-NPS-119	Port of Anacortes Commercial Ramp	48.52092 - 122.60546	510 3rd Street Anacortes, WA 98221	Port of Anacortes Neighboring Property 360-293-3134	NPS-46, NPS-81, VEN-05, NPS-80, GUE-05, GUE-03, VEN-02, GUE-02, GUE-04, GUE-01, VEN-01, GUE-06, NPS-73, VEN-04, VEN-03		Sector NPS-8	287

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
SA-NPS-120	Cap Sante Marina - Moorage	48.51260 - 122.61045	Anacortes, WA 98221	Cap Sante Marina Property Owner 360-293-0694	NPS-47, NPS-78		Sector NPS-8	289
SA-NPS-128	Washington Park	48.50004 - 122.69249	6300 Sunset Avenue Anacortes, WA 98221	Washington Park-Anacortes 360-661-3463	BLA-01, LOP-14, LOP-10, SHA-02, SJI-08, DEC-02, LOP-07, NPS-84, JAM-02, SJI-02, LOP-12, SJI-06, SJI-11, LOP-09, LOP-05, SJI-05, LOP-02, SJI-07, SJI-17, SHA-06, CYP-04, SHA-04, LOP-17, BLA-02, CYP-01, DEC-01, LOP-08, SHA-01, CYP-03, SJI-12, LOP-06, LOP-13, NPS-82, SHA-05, CYP-02, LOP-03, SJI-09, LOP-16, JAM-01, SJI-16, LOP-01	Follow signs in park for boat launch, trailer parking, and vehicle parking	Sector NPS-8	291
SA-NPS-134	Fidalgo Bay Resort	48.48371 - 122.59128	4701 Fidalgo Bay Road Anacortes, WA 98221	Fidalgo Bay Resort WA 360-293-5353	NPS-77		Sector NPS-8	293

Strategy Name	Location	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
SA-NPS-136	Padilla Bay	48.48457 - 122.47877	11068 Bayview Edison Road Mount Vernon, WA 98273		NPS-55, NPS-52.1, NPS-52.3, NPS-51, NPS-54, NPS-52.2, NPS-56, NPS-53		Sector NPS-10	295
SA-NPS-147	Swinomish Channel (Hwy 20 Bridge)	48.45458 - 122.51314	10899 Josh Green Lane Mount Vernon, WA 98273	Skagit County Parks and Recreation Department Weekday Office 1730 Continental Place Mt Vernon, WA 98273 360-416-1350	NPS-60, NPS-91, NPS-93, NPS-57		Sector NPS-10	297
SA-NPS-164	Deception Pass State Park (Bowman Bay)	48.41664 - 122.65129	4380 Bowman Bay Road Anacortes, WA 98221	Bowman Bay State Parks Property Managers WA 360-902-8844	NPS-101, NPS-103	State Park	Sector NPS-8	299

Boat Launch Matrices

Strategy Name	Name	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
BL-NPS-1	Birch Bay Village Marina	48.93537 -122.78511	8055 Cowichan Road Blaine, WA 98230	Birch Bay Village Main Gate (24-hour) 360-371-7644			Sector NPS-2	303
BL-NPS-2	Blaine Staging Area - Westman Marine	48.99171 -122.76251	235 Marine Drive Blaine, WA 98230	Blaine Harbor Marina 360-647-6176	NPS-01, NPS-03, NPS-02	Blaine Boat Ramp	Sector NPS-2	305
BL-NPS-16	Birch Bay State Park	48.90126 -122.77375	7115 Birch Bay Drive Blaine, WA 98230	Birch Bay State Park State Park Contact 360-371-2800	NPS-04, NPS-05, NPS-06	Birch Bay	Sector NPS-3	307
BL-NPS-48	Squalicum Harbor Marina	48.75650 -122.49656	722 Coho Way Bellingham, WA 98225	Squalicum Harbor Marina WA 360-676-2542	NPS-32, NPS-30	Afterhours entry/phone numbers: 360-676-2542; 360-739-8131 (cell). Restroom, shower, and laundry facilities closed 10pm - 6:30 am.	Sector NPS-6	309

Strategy Name	Name	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
BL-NPS-57	Fisherman's Cove Marina	48.73174 -122.67127	2557 Lummi View Drive Bellingham, WA 98226	Fisherman's Cove Marina WA 360-758-2450	SUC-05, LUM-02, MAT-05, SUC-04, ORC-13, PAT-02, STU-01, NPS-25, ORC-01, PAT-04, SJI-01, ORC-07, JON-01, ORC-11, CLA-02, WAL-03, NPS-24, ORC-15, MAT-03, SUC-03, PAT-01, SUC-08, ORC-05, MAT-04, LUM-04, SJI-13, PAT-03, ORC-02, ORC-09, LUM-01, ORC-06, HEN-02, MAT-01, STU-02, SJI-14, SJI-10, WAL-01, MAT-02, ORC-08, JON-02, ORC-04, LUM-03, ORC-14, ORC-12, WAL-02, STU-03, ORC-03, CLA-01		Sector NPS-5	311
BL-NPS-61	Fairhaven Boat Launch	48.72153 -122.50960	501 Harris Avenue Bellingham, WA 98225		NPS-36, NPS-33, NPS-34, NPS-35, NPS-37		Sector NPS-6	313

Strategy Name	Name	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
BL-NPS-79	Larrabee State Park	48.65428 -122.49371	348 Cove Road Bellingham, WA 98229	Larrabee State Park Park Ranger Bellingham, WA 98227 360-676-2093	NPS-45, NPS-41, NPS-44		Sector NPS-9	315
BL-NPS-119	Port of Anacortes Commercial Ramp	48.52092 -122.60546	510 3rd Street Anacortes, WA 98221	Port of Anacortes Neighboring Property 360-293-3134	NPS-46, NPS-74, NPS-81, VEN-05, NPS-80, GUE-05, GUE-03, VEN-02, GUE-02, GUE-04, GUE-01, VEN-01, GUE-06, NPS-73, VEN-04, NPS-78, NPS-72, VEN-03		Sector NPS-8	317

Strategy Name	Name	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
BL-NPS-128	Washington Park	48.50004 -122.69249	6300 Sunset Avenue Anacortes, WA 98221	Washington Park-Anacortes 360-661-3463	BLA-01, LOP-14, LOP-10, SHA-02, SJI-08, DEC-02, LOP-07, NPS-84, JAM-02, SJI-02, LOP-12, SJI-06, SJI-11, LOP-09, LOP-05, SJI-05, LOP-02, SJI-07, SJI-17, SHA-06, CYP-04, SHA-04, SUC-01, LOP-17, BLA-02, CYP-01, DEC-01, LOP-08, SHA-01, CYP-03, SJI-12, LOP-06, LOP-13, NPS-82, SHA-05, CYP-02, LOP-03, SJI-09, LOP-16, JAM-01, SJI-16, LOP-01	Follow signs in park for boat launch, trailer parking, and vehicle parking	Sector NPS-8	319
BL-NPS-130	March Point	48.49834 -122.55705	1000 March's Point Road Anacortes, WA 98221		NPS-71	May need to remove debris from launch. Incredibly shallow angle and water-need a higher tide to launch from here.	Sector NPS-8	321
BL-NPS-136	Padilla Bay	48.48457 -122.47877	11068 Bayview Edison Road Mount Vernon, WA 98273		NPS-52.1, NPS-52.3, NPS-51, NPS-54, NPS-52.2, NPS-53	High tide use only-Padilla Bay a mudflat during lower tides.	Sector NPS-10	323

Strategy Name	Name	Position	Nearest Address	Contact	Strategies Served	Comments	Sector Map	Strategy Details (Page#)
BL-NPS-147	Swinomish Channel (Hwy 20 Bridge)	48.45458 -122.51314	10899 Josh Green Lane Mount Vernon, WA 98273	Skagit County Parks and Recreation Department Weekday Office 1730 Continental Place Mt Vernon, WA 98273 360-416-1350	NPS-60, NPS-91, NPS-93, NPS-57		Sector NPS-10	325
BL-NPS-164	Deception Pass State Park (Bowman Bay)	48.41664 -122.65129	4380 Bowman Bay Road Anacortes, WA 98221	Bowman Bay State Parks Property Managers WA 360-902-8844	NPS-101, NPS-103, NPS-102	Bowman Bay	Sector NPS-8	327

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APPENDIX A

Response Strategy 2-Pagers

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Eagle Harbor (NE Side of Cypress Island)

CYP-01

Position - Location: 48° 35.278', -122° 41.636' 48° 35' 16.7", -122° 41' 38.2" 48.58796, -122.69394 Anacortes

Strategy Objective: Exclusion : Keep oil out of Eagle Harbor

Implementation: Using workboat, deploy 1300ft of boom from the ramp on the west shoreline (Anchor B) to the point (Anchor A). No attachment point is available at the east bluff; anchor the boom in as near as possible to the bluff. Use mooring buoys to help support boom. Non-sheltered cove, expect currents to push boom; adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-128 Washington Park (Anacortes)

Site Safety: Swift Currents; Mooring Buoy Hazards; Rocky Shoreline; Rocky Outcropping; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Cove - Eagle Harbor

Resources at Risk: Marine Birds, State Park



Recommended Equipment

7 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1300 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Eagle Harbor (NE Side of Cypress Island)

CYP-01



CYP-01 Photo: From water looking northwest into Eagle Harbor. Anchor on boat ramp on camera left (west) bank and as close to the bluff camera right (east).

Site Contact

Washington State Parks and Recreation Commission
Call for Local Conditions : General Number

360-902-8844

Nearest Address

6300 Sunset Avenue
Anacortes, WA 98221



Driving Directions

BL-NPS-128 Washington Park

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. In Anacortes, take first exit in roundabout for Commercial Ave.
5. Take a left on 12th street (Hwy 20), toward the ferry terminals.
6. Bear left, continuing on Sunset Ave past the ferry terminals.
7. Follow signs in the park to the boat launch and parking.

Cypress Head North Cove

CYP-02

Position - Location: 48° 34.178', -122° 40.232' 48° 34' 10.7", -122° 40' 13.9" 48.56964, -122.67054 Anacortes

Strategy Objective: Exclusion : Keep oil out of North Cove

Implementation: Using workboat, deploy 500ft of boom across the opening of Cypress Head North Cove. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-128 Washington Park (Anacortes)

Site Safety: Swift Currents; Mooring Buoy Hazards; Rocky Shoreline; Rocky Outcropping; Shallow Water; Water Hazard; Slips, Trips, Falls

Field Notes: Outhouse at park inside cove, no other services.

Watercourse: Cove - Cypress Head North Cove

Resources at Risk: Recreational Boating, Shellfish, State Park



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
500	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Cypress Head North Cove

CYP-02



CYP-02 Photo: From water looking south toward state park on Cypress Island.

Site Contact

Washington State Parks and Recreation Commission
Call for Local Conditions : General Number

360-902-8844

Nearest Address

6300 Sunset Avenue
Anacortes, WA 98221



Driving Directions

BL-NPS-128 Washington Park

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. In Anacortes, take first exit in roundabout for Commercial Ave.
5. Take a left on 12th street (Hwy 20), toward the ferry terminals.
6. Bear left, continuing on Sunset Ave past the ferry terminals.
7. Follow signs in the park to the boat launch and parking.

South Cypress Head

CYP-03

Position - Location: 48° 33.925', -122° 40.195' 48° 33' 55.5", -122° 40' 11.7" 48.56542, -122.66992 Anacortes

Strategy Objective: Exclusion : Keep oil out of cove

Implementation: Using workboat, deploy 600ft of boom across the opening of Cypress Head South Cove. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-128 Washington Park (Anacortes)

Site Safety: Rocky Shoreline; Rocky Outcropping; Shallow Water; Water Hazard; Slips, Trips, Falls

Field Notes: Outhouse at park no other services.

Watercourse: Cove - Cypress Head South Cove

Resources at Risk: Recreational Boating, Shellfish, State Park



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
600	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

South Cypress Head

CYP-03



CYP-03 Photo: From water looking north toward state park in cove.

Site Contact

Washington State Parks and Recreation Commission
Call for Local Conditions : General Number

360-902-8844

Nearest Address

6300 Sunset Avenue
Anacortes, WA 98221



Driving Directions

BL-NPS-128 Washington Park

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. In Anacortes, take first exit in roundabout for Commercial Ave.
5. Take a left on 12th street (Hwy 20), toward the ferry terminals.
6. Bear left, continuing on Sunset Ave past the ferry terminals.
7. Follow signs in the park to the boat launch and parking.

Secret Harbor (SE Side of Cypress Island)

CYP-04

Position - Location: 48° 33.338', -122° 41.379' 48° 33' 20.3", -122° 41' 22.7" 48.55563, -122.68965 Anacortes

Strategy Objective: Exclusion : Keep oil out of Secret Harbor

Implementation: Using workboat, deploy 1000ft of boom across the narrowest part of the entrance to Secret Harbor, from the rocky point on the south side of the harbor (Anchor B) extending north (Anchor A). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-128 Washington Park (Anacortes)

Site Safety: Mooring Buoy Hazards; Fish Pen Hazard; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Bay - calm bay

Resources at Risk: Crabs, Marine Birds, Shellfish, State Lands



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Secret Harbor (SE Side of Cypress Island)

CYP-04



CYP-04 Photo: From water looking toward Secret Harbor, past the salmon pens.

Site Contact

Washington State Parks and Recreation Commission
Call for Local Conditions : General Number

360-902-8844

Nearest Address

6300 Sunset Avenue
Anacortes, WA 98221



Driving Directions

BL-NPS-128 Washington Park

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. In Anacortes, take first exit in roundabout for Commercial Ave.
5. Take a left on 12th street (Hwy 20), toward the ferry terminals.
6. Bear left, continuing on Sunset Ave past the ferry terminals.
7. Follow signs in the park to the boat launch and parking.

Guemes Island E side, Boat Harbor

GUE-01

Position - Location: 48° 32.845', -122° 34.727' 48° 32' 50.7", -122° 34' 43.6" 48.54742, -122.57878 Anacortes

Strategy Objective: Exclusion : Keep oil out of Boat Harbor

Implementation: Using workboat, deploy 500ft of boom across the opening to Boat Harbor. Current from north around point can be swift. Recommended deployment from Anchor A toward Anchor C to go with the current. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Rocky Shoreline; Rocky Outcropping; Shallow Water; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Cove - North Puget Sound

Resources at Risk: Crabs, Eelgrass, Kelp Beds, Raptors, Recreational Boating, Shellfish, State Lands



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
500	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Guemes Island E side, Boat Harbor

GUE-01

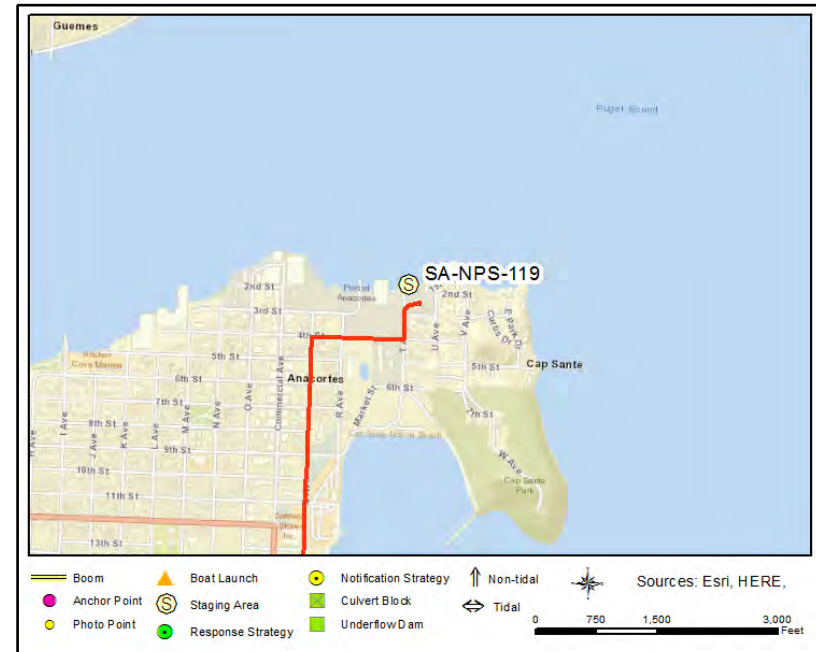

GUE-01 Photo: From the water looking northwest toward Boat Harbor on Guemes Island.

Site Contact

No Information
Not Determined :

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Long Bay (SE corner of Guemes Island)

GUE-02

Position - Location: 48° 32.089', -122° 34.530' 48° 32' 5.3", -122° 34' 31.8" 48.53481, -122.57550 Anacortes

Strategy Objective: Exclusion : Keep oil out of Long Bay

Implementation: Using workboat, deploy 1200ft of boom across the bay from the rocky point on the south side of the bay (Anchor A), to the beach to the northwest (Anchor B). Mooring buoys can be used to help support anchor. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Rocky Shoreline; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Bay - Long Bay

Resources at Risk: Crabs, Eelgrass, Forage Fish, Kelp Beds, Recreational Boating, Salmonids, Shellfish



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1200 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Long Bay (SE corner of Guemes Island)

GUE-02



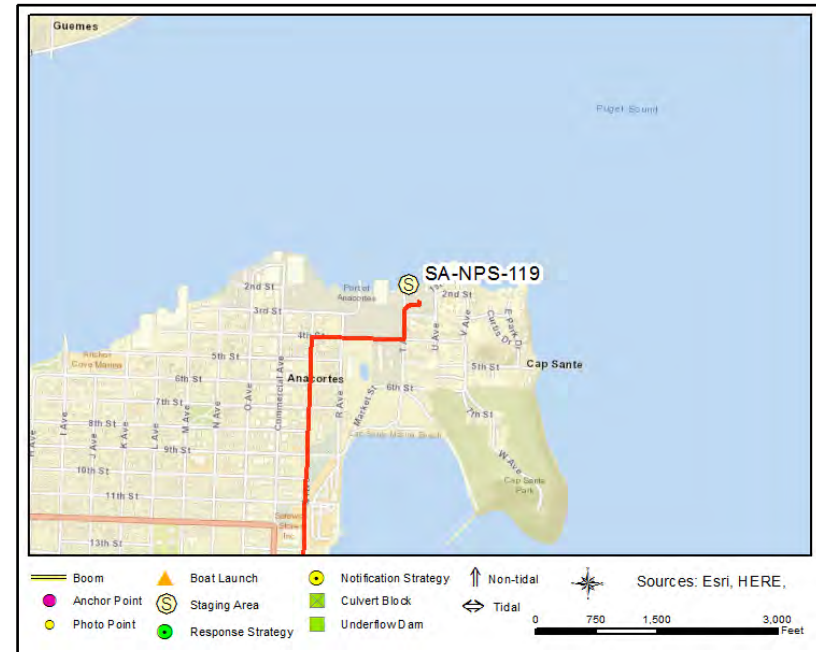
GUE-02 Photo: From water looking southwest toward Long Bay on Guemes Island.

Site Contact

No Information
Not Determined :

Nearest Address

510 3rd St
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Huckleberry Island South Beach

GUE-03

Position - Location: 48° 32.126', -122° 34.173' 48° 32' 7.5", -122° 34' 10.4" 48.53543, -122.56955 Anacortes

Strategy Objective: Exclusion : Keep oil off beach

Implementation: Using workboat, deploy 1000ft of boom from rocky outcropping on west side of beach (Anchor C) to rocky outcropping on east side of beach (Anchor A). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Rocky Shoreline; Rocky Outcropping; Shallow Water; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Puget Sound - North Puget Sound

Resources at Risk: Crabs, Eelgrass, Kelp Beds, Marine Mammals, Raptors, Shellfish



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Huckleberry Island South Beach

GUE-03



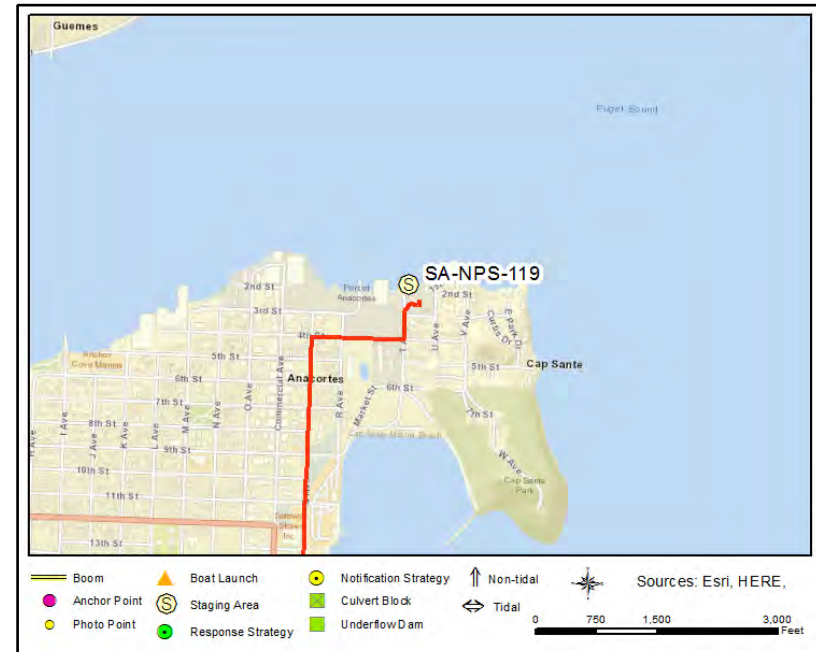
GUE-03 Photo: From water looking east toward Huckleberry Island and beach.

Site Contact

No Information
Not Determined :

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Southern cove Saddlebag Island to Dot Island

GUE-04

Position - Location: 48° 32.025', -122° 33.337' 48° 32' 1.5", -122° 33' 20.2" 48.53375, -122.55561 Anacortes

Strategy Objective: Exclusion : Keep oil out of cove and research station on point

Implementation: Using workboat, deploy 1000ft of boom from the west side of the beach on Saddlebag Island (Anchor A) across to west side of Dot Island (Anchor C), protecting research area on point. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Swift Currents; Rocky Shoreline; Rocky Outcropping; Shallow Water; Water Hazard; Slips, Trips, Falls

Field Notes: Protecting sampling site for Padilla Bay Estuary, Saddlebag Island is a State Park.

Watercourse: Puget Sound - North Puget Sound

Resources at Risk: Crabs, Eelgrass, Marine Mammals, Raptors, Shellfish



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Southern cove Saddlebag Island to Dot Island

GUE-04

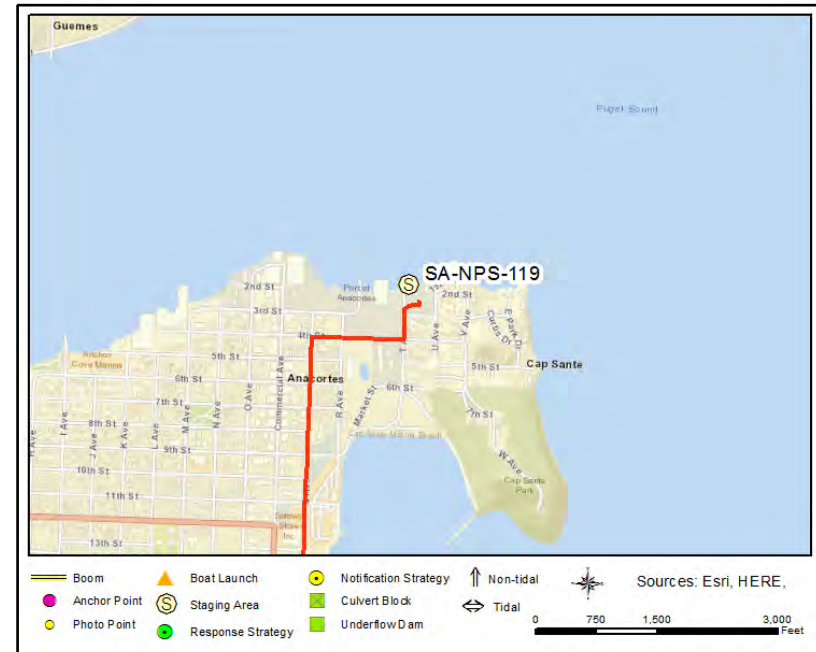

GUE-04 Photo: From water looking northeast at Saddlebag Island (left) and Dot Island (right).

Site Contact

Padilla Bay National Estuarine Research Reserve
Land/Property Contact : Local Expertise
360 428-1558

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

East side of Saddlebag Island and Dot Island

GUE-05

Position - Location: 48° 32.099', -122° 33.189' 48° 32' 5.9", -122° 33' 11.3" 48.53498, -122.55315 Anacortes

Strategy Objective: Exclusion : Keep oil off research station

Implementation: Using workboat, deploy 600ft of boom from Saddlebag Island (Anchor A) to Dot Island (Anchor C) to protect research station on point. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Swift Currents; Rocky Shoreline; Rocky Outcropping; Shallow Water; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Puget Sound - North Puget Sound

Resources at Risk: Crabs, Eelgrass, Raptors, Shellfish



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

East side of Saddlebag Island and Dot Island

GUE-05

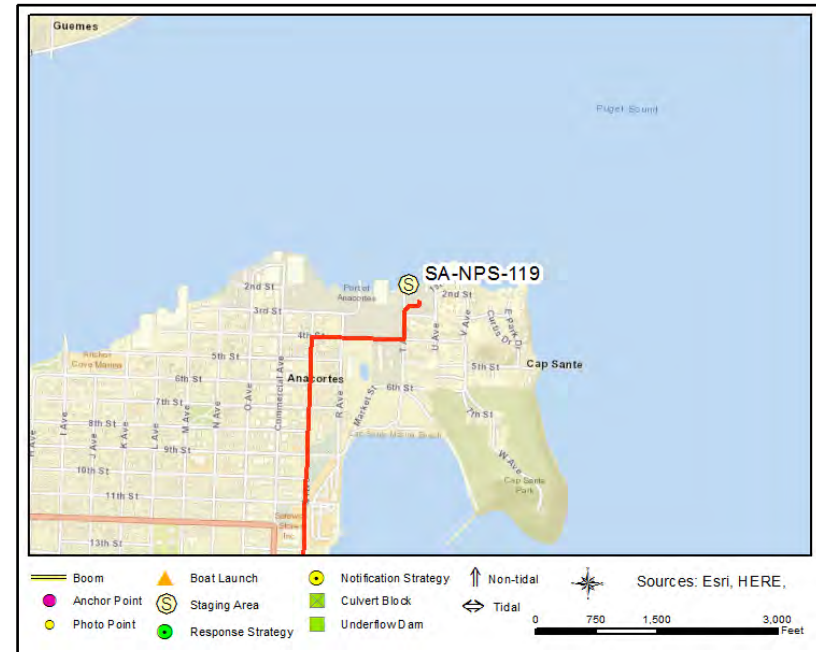

GUE-05 Photo: From water looking northeast at Saddlebag Island (left) and Dot Island (right).

Site Contact

Padilla Bay National Estuarine Research Reserve
Land/Property Contact : Local Expertise
360 428-1558

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

North Cove of Saddlebag Island

GUE-06

Position - Location: 48° 32.263', -122° 33.347' 48° 32' 15.8", -122° 33' 20.8" 48.53771, -122.55578 Anacortes

Strategy Objective: Exclusion : Keep oil out of cove and research station

Implementation: Using workboat, deploy 1200ft of boom in chevron across cove. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Mooring Buoy Hazards; Rocky Shoreline; Rocky Outcropping; Shallow Water; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Puget Sound - North Puget Sound

Resources at Risk: Crabs, Eelgrass, Kelp Beds, Marine Birds, Raptors, Shellfish



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1200 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

North Cove of Saddlebag Island

GUE-06



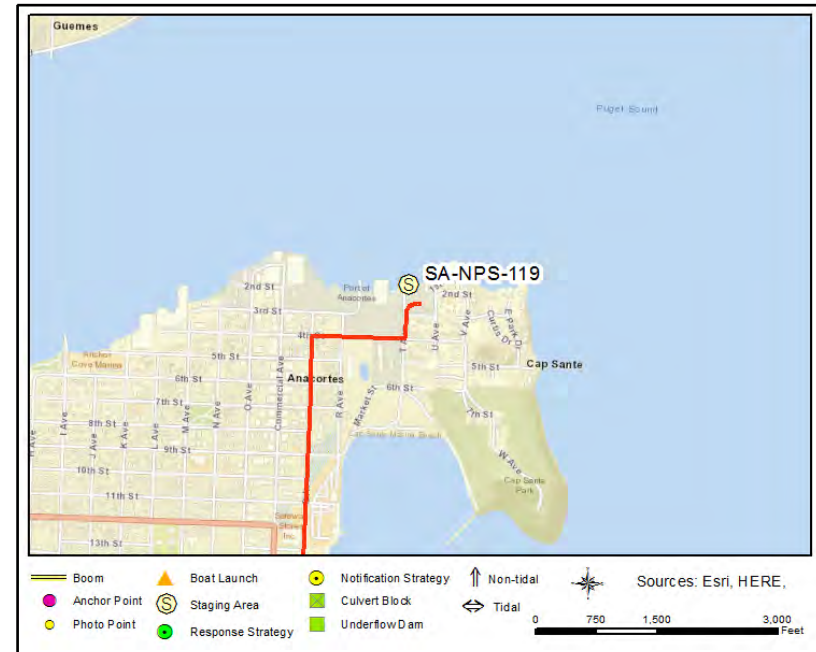
GUE-06 Photo: From water looking south at Saddlebag Island and strategy location (research station on left in image).

Site Contact

Padilla Bay National Estuarine Research Reserve
Land/Property Contact : Local Expertise
360 428-1558

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Lummi Point (E side of Lummi Island)

LUM-01

Position - Location: 48° 44.135', -122° 41.266' 48° 44' 8.1", -122° 41' 15.9" 48.73558, -122.68776 Bellingham

Strategy Objective: Collection : Keep oil from moving up or down Hale Passage

Implementation: Using workboat, deploy 1000ft of boom from beach on Lummi Point out into Hale Passage and anchor. Vac truck must remain on road or hardened surface. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-57 Fisherman's Cove Marina

Site Safety: Rocky Shoreline; Mooring Buoy Hazards; Shallow Water; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Puget Sound - Hale Passage- strong currents

Resources at Risk: Crabs, Eelgrass, Forage Fish, Shellfish, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2 Boat Operator
4 Laborer
1 Supervisor

Lummi Point (E side of Lummi Island)

LUM-01



LUM-01 Photo: From the water looking southwest toward Lummi Island.

Site Contact

No Information
Not Determined :

Nearest Address

2557 Lummi View Drive
Bellingham, WA 98226



Driving Directions

BL-NPS-57 Fisherman's Cove Marina

1. Head north on I-5 toward Bellingham.
2. Take exit 260 to Slater Rd toward Lummi Is.
3. At the roundabout, take the third exit onto Slater Rd.
4. At the roundabout, take the first exit onto Slater Rd.
5. Turn left on Haxton Way.
6. At the roundabout, take the second exit onto Haxton Way.
7. At the roundabout, take the second exit onto Haxton Way.
8. Boat launch will be near Lummi Island Ferry (Gooseberry Point).

Lummi Island Ferry (Lummi Island side)

LUM-02

Position - Location: 48° 43.219', -122° 40.797' 48° 43' 13.2", -122° 40' 47.8" 48.72032, -122.67995 Bellingham

Strategy Objective: Collection : Collect oil as it moves up or down Hale Passage

Implementation: Using workboat, deploy 1000ft of boom from beach south of the ferry terminal (Anchor A) out into Hale Passage (Anchor B) and anchor. Adjust angle to maximize collection of oil. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-57 Fisherman's Cove Marina or Bellingham

Site Safety: Ferry Traffic; Rocky Outcropping; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Puget Sound - Hale passage

Resources at Risk: Crabs, Forage Fish, Public Lands/Facilities, Shellfish, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2 Boat Operator
4 Laborer
1 Supervisor

Lummi Island Ferry (Lummi Island side)

LUM-02


LUM-02 Photo: From the water looking northwest at the Lummi Island Ferry Terminal (Lummi Island Side).

Site Contact

Lummi Island Ferry
Municipality (County/City) : Whatcom County Ferry Division

360-778-6200

Nearest Address

2557 Lummi View Drive
Bellingham, WA 98226



Driving Directions

BL-NPS-57 Fisherman's Cove Marina

1. Head north on I-5 toward Bellingham.
2. Take exit 260 to Slater Rd toward Lummi Is.
3. At the roundabout, take the third exit onto Slater Rd.
4. At the roundabout, take the first exit onto Slater Rd.
5. Turn left on Haxton Way.
6. At the roundabout, take the second exit onto Haxton Way.
7. At the roundabout, take the second exit onto Haxton Way.
8. Boat launch will be near Lummi Island Ferry (Gooseberry Point).

Sunrise Cove (E side of Lummi Island)

LUM-03

Position - Location: 48° 41.893', -122° 39.794' 48° 41' 53.6", -122° 39' 47.6" 48.69821, -122.66323 Bellingham

Strategy Objective: Exclusion : Keep oil out of Sunrise Cove

Implementation: Using workboat, deploy 1200ft of boom at an angle across bay. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-57 Fisherman's Cove Marina or Bellingham

Site Safety: Mooring Buoy Hazards; Rocky Shoreline; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Cove - Sunrise Cove

Resources at Risk: Crabs, Estuary Resources, Forage Fish, Raptors, Shellfish, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1200 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Sunrise Cove (E side of Lummi Island)

LUM-03


LUM-03 Photo: From water looking southwest toward Lummi Island and Sunrise Cove.

Site Contact

No Information
Not Determined :

Nearest Address

2557 Lummi View Drive
Bellingham, WA 98226



Driving Directions

BL-NPS-57 Fisherman's Cove Marina

1. Head north on I-5 toward Bellingham.
2. Take exit 260 to Slater Rd toward Lummi Is.
3. At the roundabout, take the third exit onto Slater Rd.
4. At the roundabout, take the first exit onto Slater Rd.
5. Turn left on Haxton Way.
6. At the roundabout, take the second exit onto Haxton Way.
7. At the roundabout, take the second exit onto Haxton Way.
8. Boat launch will be near Lummi Island Ferry (Gooseberry Point).

Inati Bay (E side of Lummi Island)

LUM-04

Position - Location: 48° 40.385', -122° 37.321' 48° 40' 23.1", -122° 37' 19.3" 48.67309, -122.62202 Bellingham

Strategy Objective: Exclusion : Keep oil out of Inati Bay

Implementation: Using workboat, deploy 1100ft of boom at an angle across bay entrance, securing to shore. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-57 Fisherman's Cove Marina

Site Safety: Mooring Buoy Hazards; Rocky Shoreline; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Bay - Inati Bay

Resources at Risk: Crabs, Estuary Resources, Forage Fish, Raptors, Recreational Boating, Shellfish, Waterfowl



Recommended Equipment

3	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
1100	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Inati Bay (E side of Lummi Island)

LUM-04


LUM-04 Photo: From water looking southwest toward Lummi Island and Inati Bay.

Site Contact

No Information
Not Determined :

Nearest Address

2557 Lummi View Drive
Bellingham, WA 98226



Driving Directions

BL-NPS-57 Fisherman's Cove Marina

1. Head north on I-5 toward Bellingham.
2. Take exit 260 to Slater Rd toward Lummi Is.
3. At the roundabout, take the third exit onto Slater Rd.
4. At the roundabout, take the first exit onto Slater Rd.
5. Turn left on Haxton Way.
6. At the roundabout, take the second exit onto Haxton Way.
7. At the roundabout, take the second exit onto Haxton Way.
8. Boat launch will be near Lummi Island Ferry (Gooseberry Point).

Lummi River at Hillaire Rd

LUMR-1.2

Position - Location: 48° 48.501', -122° 38.999' 48° 48' 30.1", -122° 38' 60.0" 48.80835, -122.64999 Ferndale

Strategy Objective: Collection : Collect oil moving downstream or upstream on the Lummi River

Implementation: Secure 200ft section of boom to shore on river left, near Anchor A (~160ft upstream of Hillaire Rd bridge). Use line and bridge to extend boom downstream and across river, and secure to shore on river right near Anchor B (upstream edge of bridge). Deploy second 200ft section of boom on downstream side of bridge between Anchors C and D. Use existing features or shoreside anchoring systems to secure boom to shore. Collect using vac truck or skimmer/storage parked on N Red River Rd.

Staging Area: Onsite: Stage onsite, using road surface and shoulder. Lane closure possible- use WSDOT guidelines.

Site Safety: Rocky Shoreline; Mud/Muddy; Road Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: River - With Tidal Influence - Lummi River - high flow only if tides 8+ft or Nooksack River is 9600+ cfs

Resources at Risk: Fish Hatchery, Raptors, Salmonids, Tribal Lands/Resources, Waterfowl



Recommended Equipment

4 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River Boom) or equivalent
100 Feet	Line - 1/2" poly line
1 Each	Vac Truck or Skimmer and Storage

Recommended Personnel

2 Laborer
1 Supervisor

Lummi River at Hillaire Rd

LUMR-1.2



LUMR-1.2 Photo: From river right, upstream of bridge, looking SW towards strategy location.

Site Contact

Lummi Nation Police Department

Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

3401 N Red River Rd
Ferndale, WA 98248



Driving Directions

1. From Seattle, head north on I-5 past downtown Bellingham
2. At exit 260 take ramp on the right to Slater Rd toward Lummi Is.
3. Turn left on Slater Rd.
4. Turn left on Haxton Way.
5. Bear right on N Red River Rd.
6. Site is on the Hillaire Rd bridge at intersection of N Red River Rd.

Drayton Harbor Entrance

NPS-01

Position - Location: 48° 59.540', -122° 46.109' 48° 59' 32.4", -122° 46' 6.5" 48.99234, -122.76848 Blaine

Strategy Objective: Collection, Exclusion : Keep oil out of Drayton Harbor and collect oil

Implementation: Using workboat, deploy 1000ft of boom at an angle out from the Blaine Fishing Pier to collect oil moving along the shore. Adjust boom angle and number of anchors based on environmental conditions. Road to pier no longer wide enough for vac truck.

Staging Area: Onsite: BL-NPS-2 Blaine Staging Area - Westman Marine

Site Safety: Swift Currents; Shallow Water; Mud/Muddy; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: See BL-NPS-2 for facilities at site.

Watercourse: Bay - Drayton Harbor

Resources at Risk: Crabs, Eelgrass, Forage Fish, Historic Register Site, Marina, Marine Birds, Marine Mammals, Salmonids, Shellfish, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Skimmer (appropriately sized) with Portable Storage
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2 Boat Operator
4 Laborer
1 Supervisor

Drayton Harbor Entrance

NPS-01



NPS-01 Photo: From the water looking toward the east end of Drayton Harbor and Boundary Bay.

Site Contact

Blaine Harbor Master

Primary Contact : Property Owner

360-647-6176

Nearest Address

235 Marine Drive
Blaine, WA 98230



Driving Directions

BL-NPS-2 Blaine Staging Area - Westman Marine

1. Head north on I-5 toward Blaine.
2. At exit 276 take ramp on the right to WA-548 S toward Blaine City Center.
3. At roundabout, take 4th exit to proceed southwest on Peace Portal Dr (WA-548).
4. At roundabout, take 1st exit to proceed west on Marine Dr.
5. Finish at 235 Marine Drive, 98230, on the left.

Dakota Creek

NPS-02

Position - Location: 48° 58.336', -122° 43.772' 48° 58' 20.1", -122° 43' 46.3" 48.97226, -122.72954 Blaine

Strategy Objective: Collection, Exclusion : Keep oil from moving up creek, if oil is present collect

Implementation: Using workboat, deploy 500ft of boom at an angle across Dakota Creek. Steep banks from bridge to creek with thick vegetation. May be shallow at low tide. Site is vac truck accessible with booster pump and extra hose. Adjust boom angle and number of anchors based on environmental conditions.

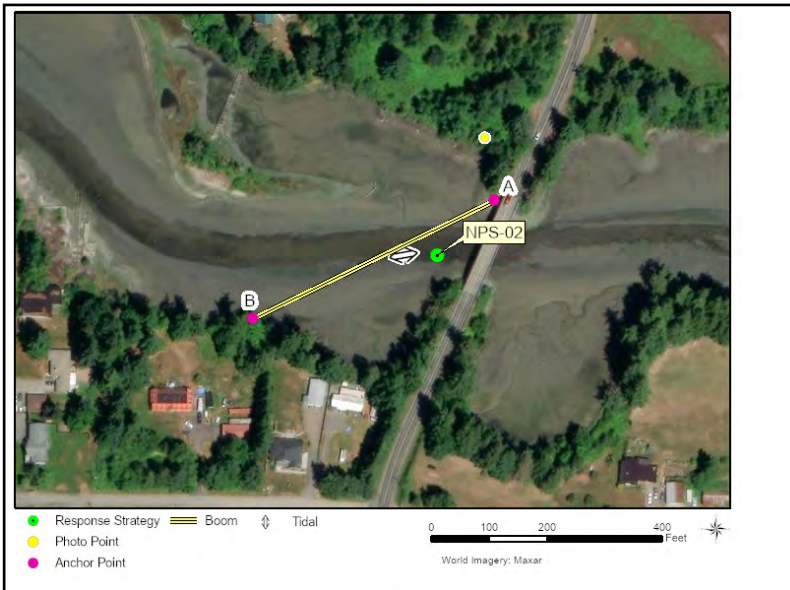
Staging Area: Remote: BL-NPS-2 Blaine Staging Area - Westman Marine

Site Safety: Shallow Water; Mud/Muddy; Logs and Debris; Heavy Vegetation; Road Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Lane closure may be needed- use WSDOT guidelines.

Watercourse: Creek - (Tidal) Dakota Creek

Resources at Risk: Crabs, Eelgrass, Forage Fish, Marine Birds, Marine Mammals, Salmonids, Shellfish, Waterfowl



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
500	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
100	Feet	Line - 1/2" poly line
1	Each	Machete(s) - (or other vegetation cutting tool)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Dakota Creek

NPS-02



NPS-02 Photo: From the northwest side of the bridge at Point A looking southwest over Dakota Creek towards Point B on opposite shore.

Site Contact

No Information
Not Determined :

Nearest Address

2670 Bell Road
Blaine, WA 98230



Driving Directions

1. Head north on I-5 toward Blaine.
3. At exit 274 take ramp on the right to Peace Portal Dr toward Semiahmoo.
4. Turn right on Peace Portal Dr.
5. Make sharp left on WA-548 (Blaine Rd).
6. Continue until bridge at Dakota Creek.

BL-NPS-2 Blaine Staging Area - Westman Marine

1. Head north on I-5 toward Blaine.
2. At exit 276 take ramp on the right to WA-548 S toward Blaine City Center.
3. At roundabout, take 4th exit to proceed southwest on Peace Portal Dr (WA-548).
4. At roundabout, take 1st exit to proceed west on Marine Dr.
6. Finish at 235 Marine Drive, 98230, on the left.

California Creek

NPS-03

Position - Location: 48° 57.726', -122° 43.977' 48° 57' 43.6", -122° 43' 58.6" 48.96210, -122.73295 Blaine

Strategy Objective: Collection, Exclusion : Keep oil from moving up California Creek

Implementation: From bridge or using workboat, deploy 200ft of boom at an angle across California Creek. Best access on NW side of bridge. Should be able to use lines and bridge to deploy without a boat. Collect oil using vac-truck from bridge with extra hose and booster pump. Vac truck must remain on road or hardened surface. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Stage on west side of bridge and launch from BL-NPS-2 Blaine Staging Area - Westman Marine

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Logs and Debris; Uneven Surfaces; Road Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Lane closure may be needed- use WSDOT guidelines.

Watercourse: Creek - (Tidal) California Creek

Resources at Risk: Crabs, Eelgrass, Forage Fish, Marine Birds, Marine Mammals, Salmonids, Shellfish, Waterfowl



Recommended Equipment

2 Each	Anchoring System(s)- Shoreside
200 Feet	Boom - B2 (Contractor Boom) or equivalent
100 Feet	Line - 1/2" poly line
1 Each	Vac Truck or Skimmer and Storage (if collection)

Recommended Personnel

2 Laborer
1 Supervisor

California Creek

NPS-03



NPS-03 Photo: From the bay side of the bridge looking south at California Creek.



Site Contact

No Information
Not Determined :

Nearest Address

4598 Drayton Harbor Road
Blaine, WA 98230

Driving Directions

1. Head north on I-5 toward Blaine
3. At exit 274 take ramp on the right to Peace Portal Dr toward Semiahmoo.
4. Turn right on Peace Portal Dr.
5. Make sharp left on WA-548 (Blaine Rd).
6. Turn right on Drayton Harbor Rd.
7. GRP site at first bridge, parking on the right after the bridge.

BL-NPS-2 Blaine Staging Area - Westman Marine

1. Head north on I-5 toward Blaine.
2. At exit 276 take ramp on the right to WA-548 S toward Blaine City Center.
3. At roundabout, take 4th exit to proceed southwest on Peace Portal Dr (WA-548).
4. At roundabout, take 1st exit to proceed west on Marine Dr.
6. Finish at 235 Marine Drive, 98230, on the left.

Birch Bay Village (West Jetty)

NPS-04

Position - Location: 48° 55.865', -122° 47.237' 48° 55' 51.9", -122° 47' 14.2" 48.93108, -122.78728 Blaine

Strategy Objective: Deflection : Deflect oil away from north shore of Birch Bay and harbor entrance

Implementation: Using workboat, secure 500ft of boom to shore immediately west of jetty near Anchor A. Extend boom south ~100ft anchoring near Anchor B before extending the remaining boom to the SW ~400ft, anchoring near Anchor C. Use existing structures or riprap boulders to secure boom to shore; use shoreside anchoring system only if nothing else is available. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-16 Birch Bay State Park or from Birch Bay Village Marina (gated community)

Site Safety: Rocky Shoreline; Water Hazard; Slips, Trips, Falls

Field Notes: Gated Community. Coordinate access and use of boat launch and marina/yacht club parking area (for staging) by calling office at 360-371-7744 and main gate at 360-371-7644.

Watercourse: Bay - Birch Bay

Resources at Risk: Crabs, Eelgrass, Forage Fish, Marina, Marine Birds, Shellfish, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

Birch Bay Village (West Jetty)

NPS-04



NPS-04 Photo: From Birch Bay looking north at marina entrance.

Site Contact

Birch Bay Village

Primary Contact : Main Gate (24-hour)

360-371-7644

Nearest Address

7115 Birch Bay Drive
Blaine, WA 98230



Driving Directions

BL-NPS-16 Birch Bay State Park

1. Head north on I-5 toward Blaine.
2. Take the ramp on the right at exit 266 to WA-548 N / Grandview Rd toward Custer.
3. Turn left on WA-548 (Grandview Rd).
4. At the roundabout, take the second exit onto WA-548 W (Grandview Rd).
5. At the roundabout, take the second exit onto Grandview Rd.
6. Bear right on Point Whitehorn Rd.
7. Boat launch will be on the left.

Birch Bay Village (Entrance & East Jetty)

NPS-05

Position - Location: 48° 55.918', -122° 47.224' 48° 55' 55.1", -122° 47' 13.5" 48.93197, -122.78707 Blaine

Strategy Objective: Exclusion : Keep oil out of harbor for Birch Bay Village

Implementation: Using workboat, deploy 500ft of boom from shore of east jetty near Anchor A. Extend boom south along jetty ~200ft, anchoring near Anchor B. Extend remaining boom across marina entrance, anchoring on west jetty. Use existing structures or line around riprap boulders to secure boom to shore; use shoreside anchoring system if nothing else available. Leave approx. 50ft of boom on both shores to accommodate tidal fluctuations. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-16 Birch Bay State Park or onsite at Birch Bay Village Marina (gated community)

Site Safety: Rocky Shoreline; Water Hazard; Slips, Trips, Falls

Field Notes: Gated Community. Coordinate access and use of boat launch and marina/yacht club parking area (for staging) by calling office at 360-371-7744 and main gate at 360-371-7644.

Watercourse: Bay - Birch Bay

Resources at Risk: Crabs, Eelgrass, Forage Fish, Marina, Marine Birds, Shellfish, Waterfowl



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
100 Feet	Line - 1/2" poly line
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Birch Bay Village (Entrance & East Jetty)

NPS-05



NPS-05 Photo: From Birch Bay looking north at marina entrance.

Site Contact

Birch Bay Village

Primary Contact : Main Gate (24-hour)

360-371-7644

Nearest Address

7115 Birch Bay Drive
Blaine, WA 98230



Driving Directions

BL-NPS-16 Birch Bay State Park

1. Head north on I-5 toward Blaine.
2. Take the ramp on the right at exit 266 to WA-548 N / Grandview Rd toward Custer.
3. Turn left on WA-548 (Grandview Rd).
4. At the roundabout, take the second exit onto WA-548 W (Grandview Rd).
5. At the roundabout, take the second exit onto Grandview Rd.
6. Bear right on Point Whitehorn Rd.
7. Boat launch will be on the left.

Terrell Creek

NPS-06

Position - Location: 48° 55.072', -122° 44.725' 48° 55' 4.3", -122° 44' 43.5" 48.91787, -122.74541 Blaine

Strategy Objective: Collection, Exclusion : Keep oil out of Terrell creek and collect oil

Implementation: From bridge, deploy 200ft of boom across Terrell Creek in a chevron. Vac truck must remain on road or hardened surface. Adjust boom angle and number of anchors based on environmental conditions. If access granted by property owners, alternative deployment at mouth of Tyrell Creek (shallow, log debris, and rocks at new trail prevent access currently).

Staging Area: Onsite: Stage on west side of Birch Bay Dr. Bridge or at Mouth (if access granted).

Site Safety: Rocky Shoreline; Logs and Debris; Piling Hazard; Road Hazard; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Creek - (Tidal) Terrell Creek

Resources at Risk: Crabs, Eelgrass, Forage Fish, Marine Birds, Shellfish, Waterfowl



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage

Recommended Personnel

2	Laborer
1	Supervisor

Terrell Creek

NPS-06



NPS-06 Photo: From the west bank of Terrell Creek looking across bridge toward Birch Bay Dr. .

Site Contact

No Information
Not Determined :

Nearest Address

4898 Lora Lane
Blaine, WA 98230



Driving Directions

1. Head north on I-5 toward Bellingham.
 2. At exit 270 take ramp on the right toward Lynden/Birch Bay.
 3. Turn left on Birch Bay-Lynden Rd.
 4. Turn left on WA-548 (Blaine Rd).
 5. Turn right on Alderson Rd.
- Bridge Deployment site at intersection of Alderson Rd. and Birch Bay Dr- park on west side of bridge.

****Mouth of Tyrell Creek, continue on****

6. Turn right on Birch Bay Dr.
7. Make sharp right on Lora Ln.
8. Site is immediately on the left.

End of Gulf Road

NPS-07

Position - Location: 48° 51.296', -122° 43.882' 48° 51' 17.8", -122° 43' 52.9" 48.85494, -122.73136 Ferndale

Strategy Objective: Collection : Prevent oil from moving north along beach

Implementation: Using workboat, deploy 1000ft of boom from beach outward at an angle to collect oil moving along beach. Area is a natural collection point, primarily for oil from the south. Area subject to extreme adverse weather that may prevent deployment of boom. All heavy equipment must remain on road or hardened surface. Anchor onshore to concrete blocks near road, not to beach.

Staging Area: Onsite: Stage along road

Site Safety: Rocky Shoreline; Logs and Debris; Piling Hazard; Road Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Lane closure may be needed- use WSDOT guidelines. Contact BP Cherry Point Refinery Security BEFORE deployment (land owners).

Watercourse: Puget Sound - Exposed beach

Resources at Risk: Forage Fish, Marine Birds, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
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
10	Laborer
1	Supervisor

End of Gulf Road

NPS-07

NPS-07 Photo: From the water looking northeast at the shoreside anchor point.

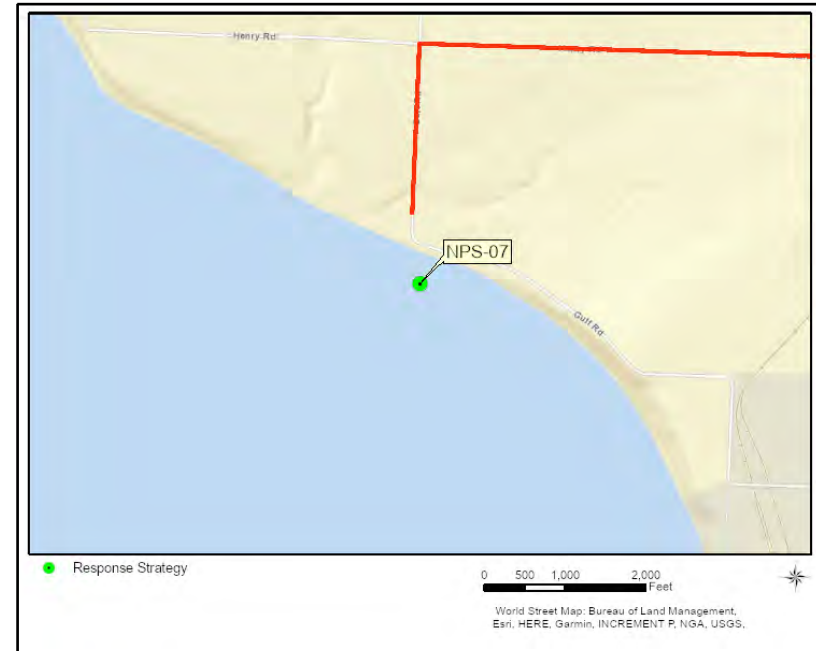
Site Contact

bp Cherry Point Refinery

Land/Property Owner : BP Cherry Point Security
4519 Grandview Road
Blaine, WA 98230
360-371-1301

Nearest Address

4601 Gulf Road
Ferndale, WA 98248



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take exit 262 for Main Street toward Ferndale City Center.
3. Turn right on Main St.
4. Continue on Mountain View Rd.
5. Continue on Rainbow Rd.
6. Continue on Henry Rd.
7. Turn left on Gulf Rd.

Sandy Point Tide Gates

NPS-11

Position - Location: 48° 48.186', -122° 40.767' 48° 48' 11.2", -122° 40' 46.0" 48.80310, -122.67945 Ferndale

Strategy Objective: Exclusion : Keep oil out of tide gates

Implementation: Using workboat or from land, deploy 300ft of boom across Jordan's Creek, between the wooden pilings and tide gate. Pilings can be used to hold boom in place. This site is very shallow, even during hightides, and muddy. Use caution. Adjust boom angle and number of anchors based on environmental conditions. Heavy Vegetation at site- bring vegetation cutting tools for access.

Staging Area: Onsite: Stage from cul de sac at end of Decatur Drive.

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Logs and Debris; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Slough - Jordan's Creek

Resources at Risk: Salmonids, Shellfish, Shorebirds, Tribal Lands/Resources, Waterfowl



Recommended Equipment

2 Each	Anchoring System(s) - (anchor, lines, floats)
4 Each	Anchoring System(s)- Shoreside
300 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
100 Feet	Line - 1/2" poly line
1 Each	Machete(s) - (or other vegetation cutting tool)
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Sandy Point Tide Gates

NPS-11



NPS-11 Photo: From east side of tide gate looking west toward development and pilings referenced in implementation.

Site Contact

Lummi Nation Police Department

Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

4420 Decatur Drive
Ferndale, WA 98248



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. At second roundabout, continue straight for Slater Rd.
5. Turn left on Lake Terrell Rd.
6. Turn right on Waldron Dr.
7. Turn left on Orcas Way.
8. Turn left on Decatur Dr. Stage at end of cul-de-sac and walk out to tidegate on trail.

Lummi River Mouth

NPS-12

Position - Location: 48° 47.626', -122° 39.823' 48° 47' 37.6", -122° 39' 49.4" 48.79377, -122.66372 Bellingham

Strategy Objective: Exclusion : Keep oil out of Lummi River

Implementation: Using workboat or by hand (zero tide or lower), deploy 400ft of boom across the Lummi River in a "J" formation. Adjust the "J" depending on the source of the spill and the tides. Hand launch shallow water boat from pilings south of strategy site. Adjust boom angle and number of anchors based on environmental conditions. Limit damage to eelgrass at center of channel.

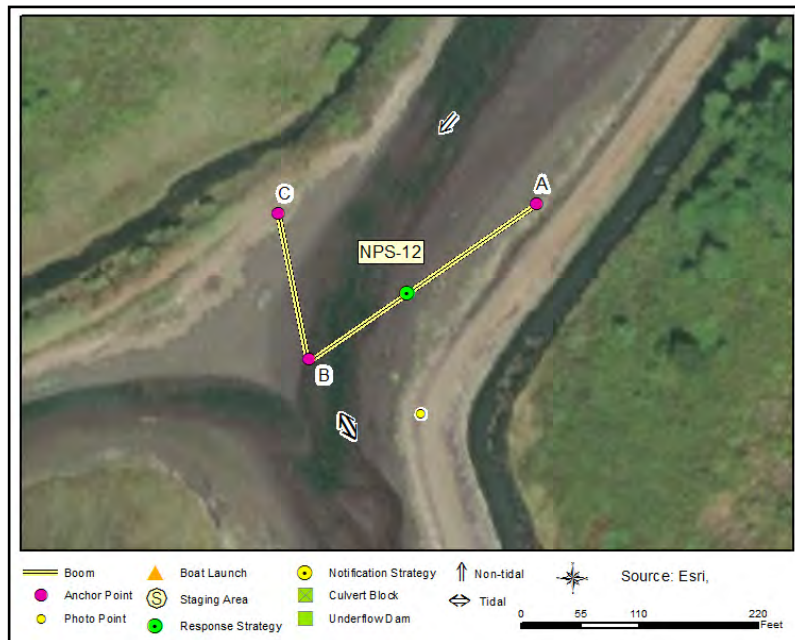
Staging Area: Onsite: Stage onsite, using dike road. Can launch small boat from pilings south of site.

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Logs and Debris; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: River - With Tidal Influence - Mouth of the Lummi River

Resources at Risk: Salmonids, Shellfish, Tribal Lands/Resources, Waterfowl



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
100 Feet	Line - 1/2" poly line
1 Each	Vac Truck or Skimmer and Storage (if collection)
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Lummi River Mouth

NPS-12



NPS-12 Photo: From road on east bank looking west across Lummi River.

Site Contact

Lummi Nation Police Department

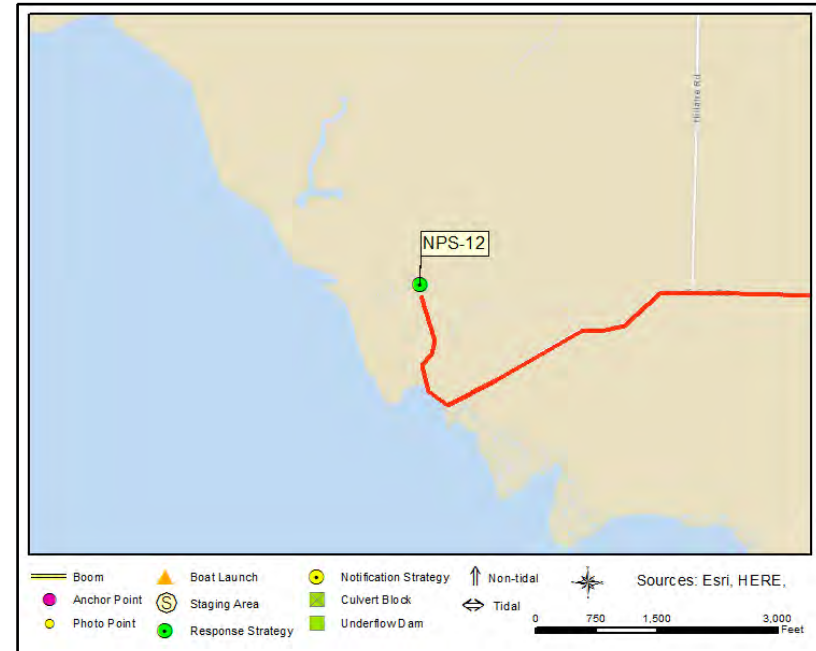
Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Natural Resources

Emergency Contact : Director
360-410-1706

Nearest Address

2828 Kwina Road
Bellingham, WA 98226



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. At second roundabout, continue straight for Slater Rd.
5. Turn left on Haxton Way.
6. At roundabout, take the first exit for Kwina Rd.
7. At corner of Hillaire and Kwina head straight down the gravel road.
8. When you reach the water, turn right onto the levee (near Smuggler Slough tide gate) and continue down levee to GRP site.

Smuggler Slough Tide Gates

NPS-13

Position - Location: 48° 47.389', -122° 39.760' 48° 47' 23.3", -122° 39' 45.6" 48.78981, -122.66267 Bellingham

Strategy Objective: Collection, Exclusion : Keep oil out of slough

Implementation: Using workboat, deploy 100ft of boom across Smuggler Slough, protecting the tide gates. Recommended boom deployment creates a pocket near the levee road/Kwina road intersection, anchoring the mid anchor (Anchor B) to land to keep the boom stable. Adjust boom angle and number of anchors based on environmental conditions. Collect any oil from gravel road/lot above site.

Staging Area: Onsite: Stage from Dike Road

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Tide Gate Hazard; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Slough - Lummi Bay/Smuggler Slough

Resources at Risk: Shellfish, Tribal Lands/Resources, Waterfowl



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
100	Feet	Line - 1/2" poly line
1	Each	Vac Truck or Skimmer and Storage (if collection)
1	Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Smuggler Slough Tide Gates

NPS-13



NPS-13 Photo: From north side of tidegate looking toward Kwina road and deployed boom.

Site Contact

Lummi Nation Police Department

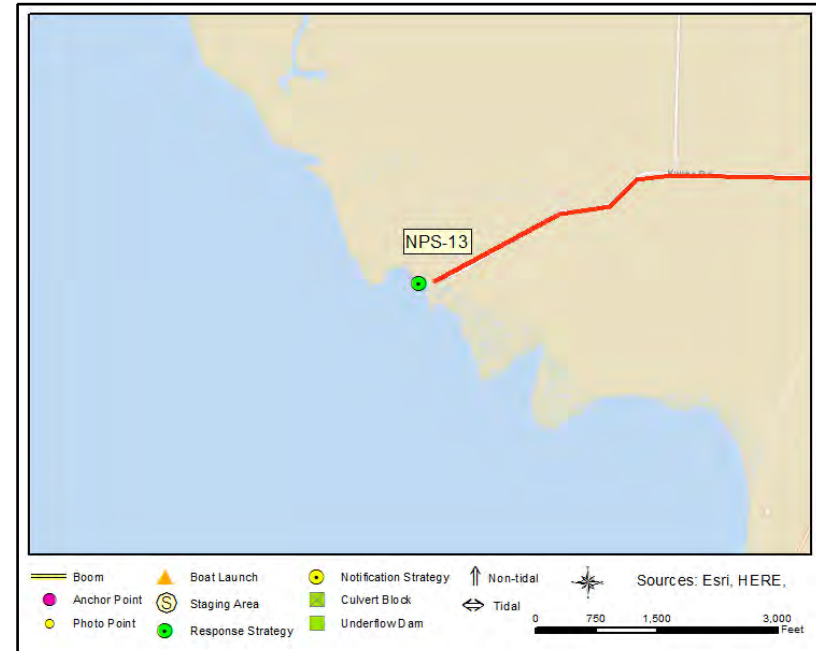
Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

2828 Kwina Road
Bellingham, WA 98226



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. At second roundabout, continue straight for Slater Rd.
5. Turn left on Haxton Way.
6. At roundabout, take the first exit for Kwina Rd.
7. At corner of Hillaire and Kwina head straight down the gravel road. Continue on the gravel road to the Sea Pond Dike Road intersection. Stage at Smuggler Slough tide gate.

Lummi Pond NW-1**NPS-14**

Position - Location: 48° 47.239', -122° 39.943' 48° 47' 14.3", -122° 39' 56.6" 48.78731, -122.66572 Bellingham

Strategy Objective: Exclusion : Keep oil out of Lummi Pond

Implementation: Using workboat, deploy 200ft of boom in a chevron to deflect oil away from tide gates on a flood tide. Adjust boom angle and number of anchors based on environmental conditions. Long and/or wide vehicles may not be able to fit through tidegate crossings, nor be able to turn around.

Staging Area: Onsite: Stage from the Sea Pond Dike Rd., but you need a vehicle with high clearance.

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Tide Gate Hazard; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Pond - Lummi Pond/Lummi Bay

Resources at Risk: Fish Hatchery, Shellfish, Tribal Lands/Resources

**Recommended Equipment**

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
100	Feet	Line - 1/2" poly line
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Lummi Pond NW-1

NPS-14



NPS-14 Photo: From east side of tide gate (on the Lummi Bay side of the road) looking west.

Site Contact

Lummi Nation Police Department

Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

2828 Kwina Road
Bellingham, WA 98226



Driving Directions

LUMMI POND NORTH SITES

Sea Pond Dike Road has two access points, road is not continuous around the ponds. Barrier is between NPS 19 & NPS 14.

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. At second roundabout, continue straight for Slater Rd.
5. Turn left on Haxton Way.
6. At roundabout, take the first exit for Kwina Rd.
7. At corner of Hillaire and Kwina head straight down the gravel road. Continue on the gravel road to the Sea Pond Dike Road and the tide gates. Sea Pond Dike Road requires high clearance trailers, dips in road can be 5-10 feet.

Lummi Pond NW-2

NPS-15

Position - Location: 48° 47.174', -122° 40.818' 48° 47' 10.5", -122° 40' 49.1" 48.78624, -122.68030 Bellingham

Strategy Objective: Exclusion : Keep oil out of Lummi Pond

Implementation: Using workboat, deploy 200ft of boom in a chevron to deflect oil away from the gates on flood tide. Apex should include two anchors on 100ft boom segments. Substantial pressure against the boom from flow requires solid shore anchor points and robust anchor gear for the offshore apex. Asymmetric boom angles may be required when facing tidal currents, which will need to be adjusted with each tidal cycle. Adjust boom angle and number of anchors based on environmental conditions. Long and/or wide vehicles may not be able to fit through the tidegate crossings, not be able to turn around.

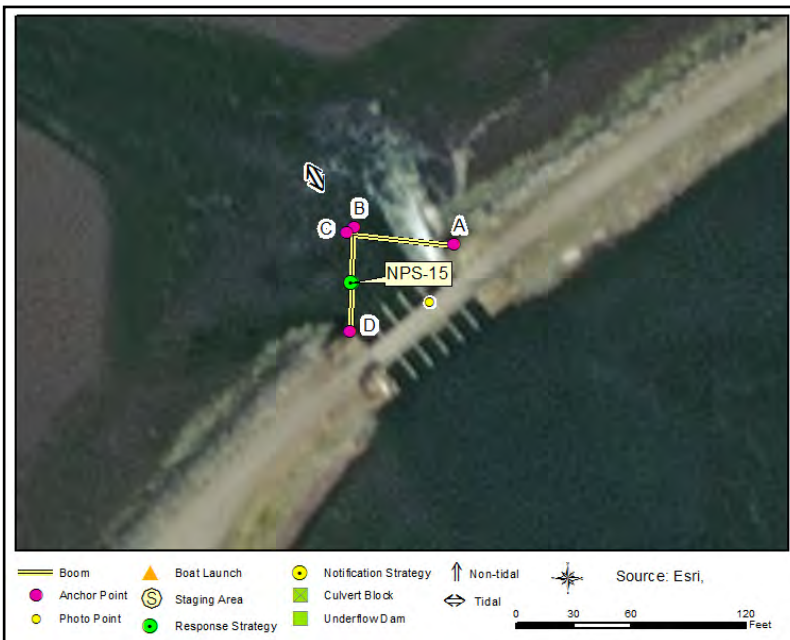
Staging Area: Onsite: Stage from the Sea Pond Dike Rd., but you need a vehicle with high clearance.

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Tide Gate Hazard; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Pond - Lummi Pond/Lummi Bay

Resources at Risk: Fish Hatchery, Marine Mammals, Shellfish, Tribal Lands/Resources



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
100	Feet	Line - 1/2" poly line
1	Each	Workboat(s) - shallow-water

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Lummi Pond NW-2

NPS-15



NPS-15 Photo: From west side of tide gate (on Lummi Bay side of the road) looking east.

Site Contact

Lummi Nation Police Department

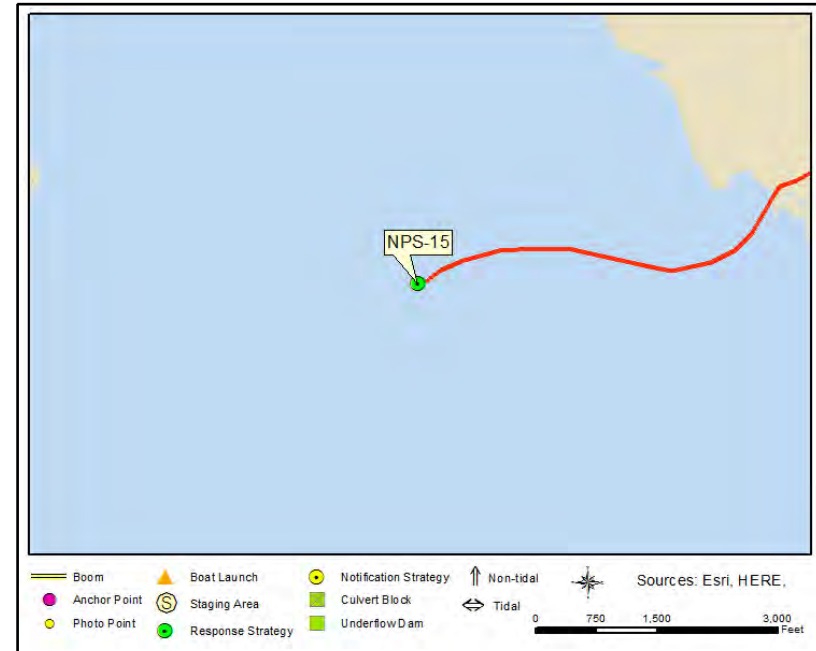
Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

2828 Kwina Road
Bellingham, WA 98226



Driving Directions

LUMMI POND NORTH SITES

Sea Pond Dike Road has two access points, road is not continuous around the ponds. Barrier is between NPS 19 & NPS 14.

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. At second roundabout, continue straight for Slater Rd.
5. Turn left on Haxton Way.
6. At roundabout, take the first exit for Kwina Rd.
7. At corner of Hillaire and Kwina head straight down the gravel road. Continue on the gravel road to the Sea Pond Dike Road and the tide gates. Sea Pond Dike Road requires high clearance trailers, dips in road can be 5-10 feet.

Lummi Pond SE-4

NPS-16

Position - Location: 48° 46.341', -122° 39.436' 48° 46' 20.5", -122° 39' 26.2" 48.77235, -122.65727 Bellingham

Strategy Objective: Exclusion : Keep oil out of Lummi Pond

Implementation: Using workboat, deploy 100ft of boom in chevron to deflect oil away from tide gates. Adjust boom angle and number of anchors based on environmental conditions. NOTE: Work is being done on this tide gate- call ahead to ensure this strategy is necessary before deployment.

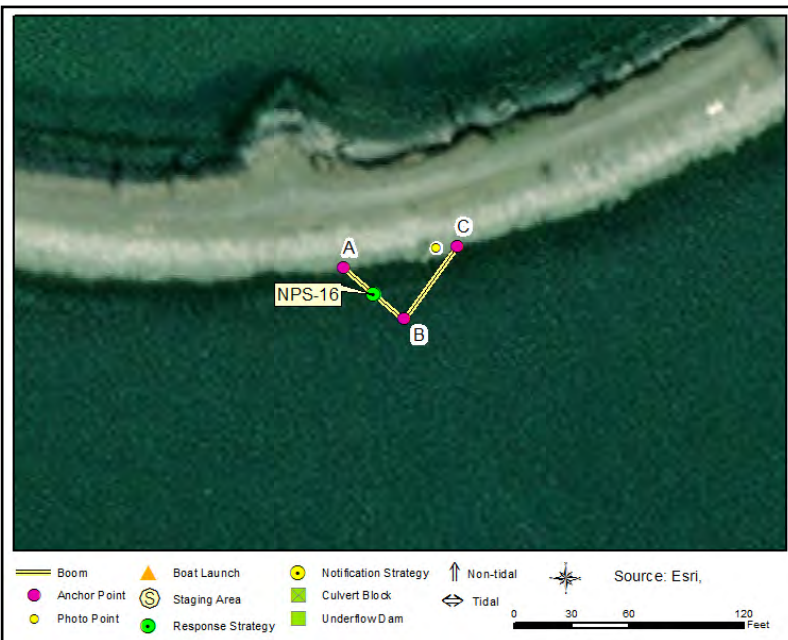
Staging Area: Onsite: Stage from the Sea Pond Dike Rd., boat launch near NPS-17.

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Tide Gate Hazard; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Pond - Lummi Pond

Resources at Risk: Crabs, Fish Hatchery, Forage Fish, Shellfish, Tribal Lands/Resources, Waterfowl



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
100	Feet	Line - 1/2" poly line
1	Each	Workboat(s) - (hand-launch)

Recommended Personnel

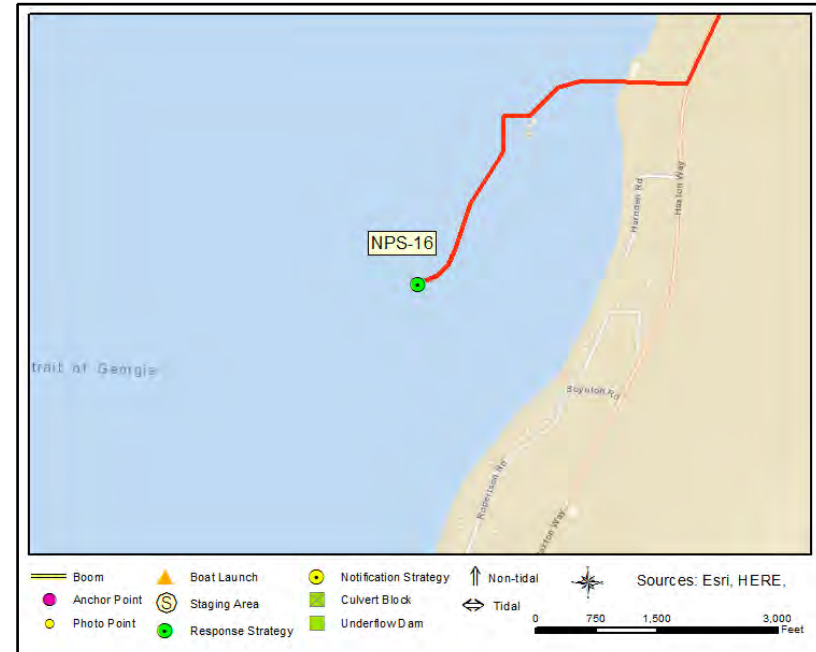
1	Boat Operator
2	Laborer
1	Supervisor

Lummi Pond SE-4

NPS-16



NPS-16 Photo: From levee looking toward tide-gate.



Site Contact

Lummi Nation Police Department

Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

3801 Haxton Way
Bellingham, WA 98226

Driving Directions

LUMMI POND SOUTH SITES

Sea Pond Dike Road has two access points, road is not continuous around the ponds. Barrier is between NPS 19 & NPS 14.

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. At second roundabout, continue straight for Slater Rd.
5. Turn left on Haxton Way.
6. Continue south on Haxton way at the roundabout with Kwina Road.
7. Look for Sea Pond Dike Road on your right. Continue on the gravel road to the Sea Pond Dike Road and the tide gates.

Lummi Pond SE-3

NPS-17

Position - Location: 48° 46.435', -122° 39.285' 48° 46' 26.1", -122° 39' 17.1" 48.77391, -122.65475 Bellingham

Strategy Objective: Exclusion : Keep oil out of Lummi Pond

Implementation: Using workboat, deploy 600ft of boom in chevron to deflect oil away from tide gates. Install shore anchors either side of tidal gates (note: rocky cobble unstable). May require substantial off shore anchors and two apex anchors to hold chevron. Adjust boom angle and number of anchors based on environmental conditions.

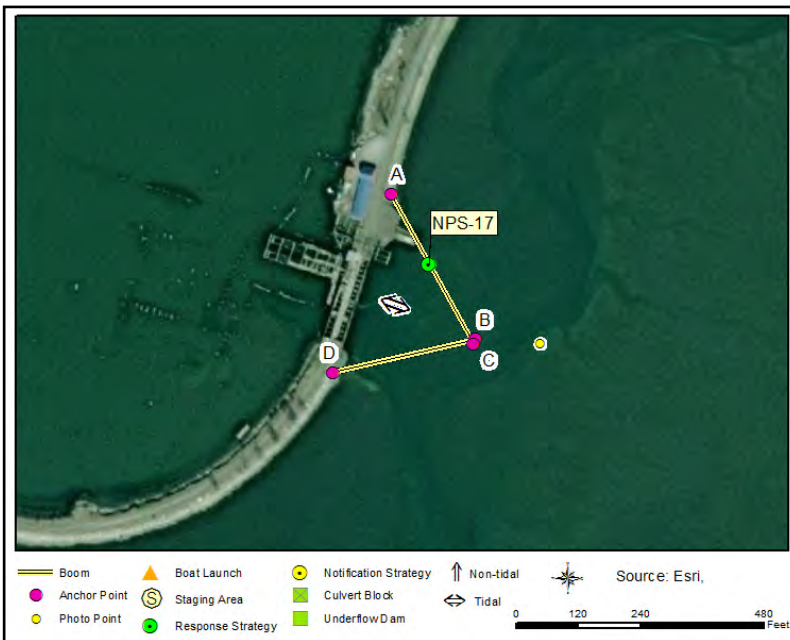
Staging Area: Onsite: Stage from the Sea Pond Dike Rd., boat launch onsite (near Anchor A).

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Logs and Debris; Tide Gate Hazard; Road Hazard (Narrow Dirt Road); Water Hazard; Slips,

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Pond - Lummi Pond/Lummi Bay

Resources at Risk: Crabs, Fish Hatchery, Shellfish, Tribal Lands/Resources, Waterfowl



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
100 Feet	Line - 1/2" poly line
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

Lummi Pond SE-3

NPS-17



NPS-17 Photo: From south side of tidegate (on Lummi Bay side of the road) looking north.

Site Contact

Lummi Nation Police Department

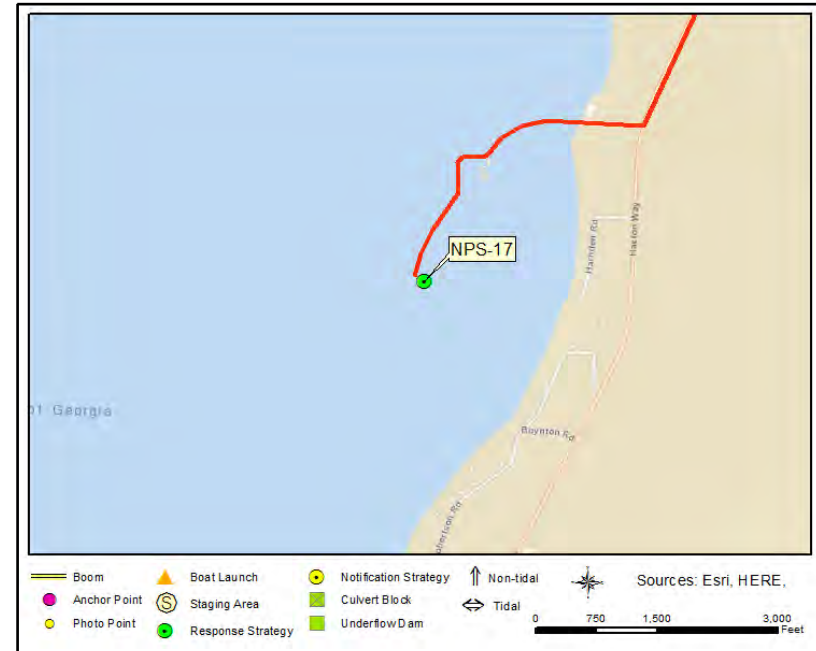
Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

3801 Haxton Way
Bellingham, WA 98226



Driving Directions

LUMMI POND SOUTH SITES

Sea Pond Dike Road has two access points, road is not continuous around the ponds. Barrier is between NPS 19 & NPS 14.

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. At second roundabout, continue straight for Slater Rd.
5. Turn left on Haxton Way.
6. Continue south on Haxton way at the roundabout with Kwina Road.
7. Look for Sea Pond Dike Road on your right. Continue on the gravel road to the Sea Pond Dike Road and the tide gates.

Lummi Pond SE-2

NPS-18

Position - Location: 48° 46.624', -122° 39.081' 48° 46' 37.5", -122° 39' 4.9" 48.77707, -122.65135 Bellingham

Strategy Objective: Exclusion : Keep oil out of Lummi Pond

Implementation: Using workboat, deploy 200ft of boom in a chevron to deflect oil away from tide gates. Adjust boom angle and number of anchors based on environmental conditions.

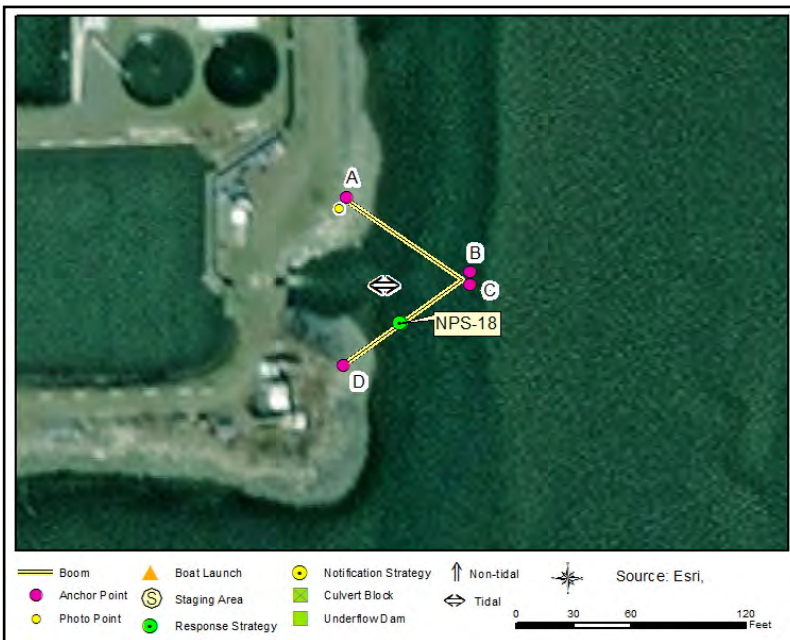
Staging Area: Onsite: Stage from the Sea Pond Dike Rd., boat launch near NPS-17.

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Tide Gate Hazard; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Pond - Lummi Pond

Resources at Risk: Crabs, Fish Hatchery, Forage Fish, Shellfish, Tribal Lands/Resources



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
100	Feet	Line - 1/2" poly line
1	Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Lummi Pond SE-2

NPS-18



NPS-18 Photo: From north side of tide gate (on Lummi Bay side of the road) looking south at fish ladder and tide gate.

Site Contact

Lummi Nation Police Department

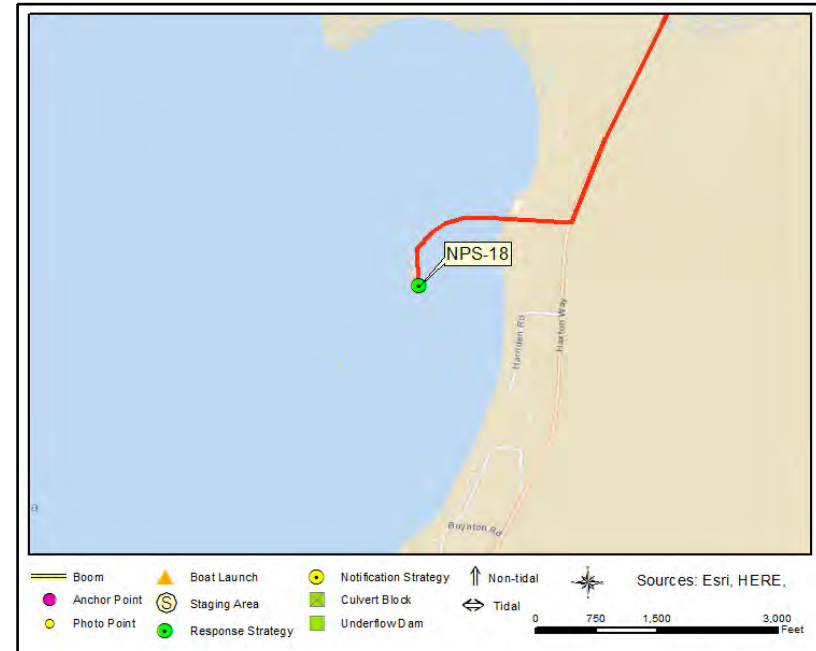
Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

3801 Haxton Way
Bellingham, WA 98226



Driving Directions

LUMMI POND SOUTH SITES

Sea Pond Dike Road has two access points, road is not continuous around the ponds. Barrier is between NPS 19 & NPS 14.

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. At second roundabout, continue straight for Slater Rd.
5. Turn left on Haxton Way.
6. Continue south on Haxton way at the roundabout with Kwina Road.
7. Look for Sea Pond Dike Road on your right. Continue on the gravel road to the Sea Pond Dike Road and the tide gates.

Lummi Pond SE-1**NPS-19**

Position - Location: 48° 46.730', -122° 39.034' 48° 46' 43.8", -122° 39' 2.1" 48.77884, -122.65057 Bellingham

Strategy Objective: Exclusion : Keep oil out of Lummi Pond

Implementation: Using workboat, deploy 200ft of boom in a chevron to deflect oil away from the gates. Adjust boom angle and number of anchors based on environmental conditions.

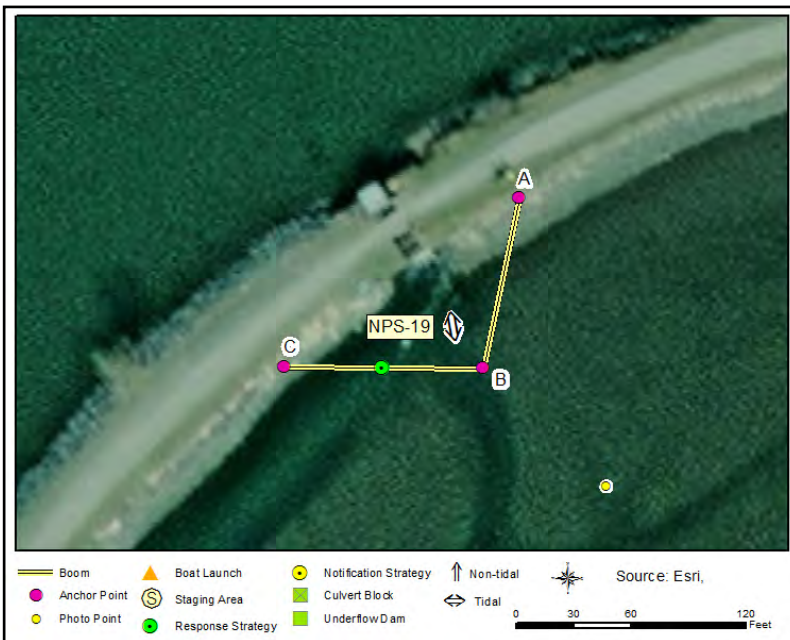
Staging Area: Onsite: Stage from the Sea Pond Dike Rd., boat launch near NPS-17.

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Tide Gate Hazard; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Pond - Lummi Pond/Lummi Bay

Resources at Risk: Fish Hatchery, Marine Mammals, Shellfish, Tribal Lands/Resources

**Recommended Equipment**

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
100	Feet	Line - 1/2" poly line
1	Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Lummi Pond SE-1

NPS-19



NPS-19 Photo: From west side of tide gate (on Lummi Bay side of the road) looking east.

Site Contact

Lummi Nation Police Department

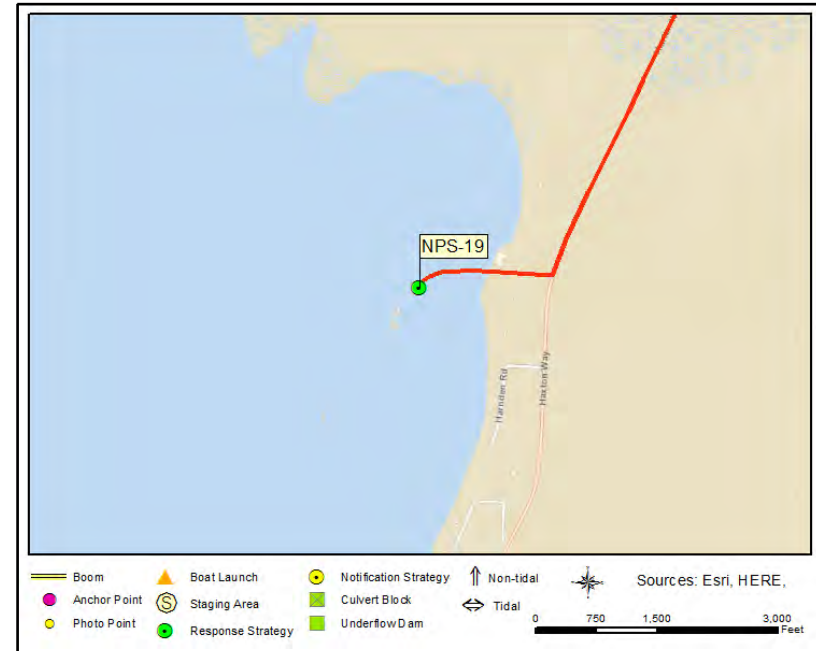
Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

3801 Haxton Way
Bellingham, WA 98226



Driving Directions

LUMMI POND SOUTH SITES

Sea Pond Dike Road has two access points, road is not continuous around the ponds. Barrier is between NPS 19 & NPS 14.

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. At second roundabout, continue straight for Slater Rd.
5. Turn left on Haxton Way.
6. Continue south on Haxton way at the roundabout with Kwina Road.
7. Look for Sea Pond Dike Road on your right. Continue on the gravel road to the Sea Pond Dike Road and the tide gates.

Kwina Slough (S entrance)

NPS-21

Position - Location: 48° 46.427', -122° 36.090' 48° 46' 25.6", -122° 36' 5.4" 48.77378, -122.60150 Bellingham

Strategy Objective: Exclusion : Keep oil out of Kwina Slough

Implementation: Using workboat, deploy 300ft of boom in a "J" formation, from launch near Anchor A to shore on slough left, near Anchor B (at point). If tide is coming in, reverse J starting at launch and moving Anchor C upstream of the launch. Use existing features or shoreside anchors to secure boom to shore. Adjust boom angle and number of anchors based on environmental conditions. If oil accumulates, collect using vac truck or skimmer/storage from Native Seafoods parking area on river right. Vac truck must remain on road or hardened surface. Handlaunch small boat from boat ramp at Native Seafoods (onsite)

Staging Area: Onsite: Stage onsite in parking area of Native Seafoods.

Site Safety: Swift Currents; Mud/Muddy; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy. Site may flood.

Watercourse: Slough - Kwina Slough at Nooksack River

Resources at Risk: Estuary Resources, Salmonids, Tribal Lands/Resources, Waterfowl



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
300 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Kwina Slough (S entrance)

NPS-21



NPS-21 Photo: From west bank of the west branch of the Nooksack River standing at small boat launch looking southeast toward island point with boom deployed.

Site Contact

Lummi Nation Police Department

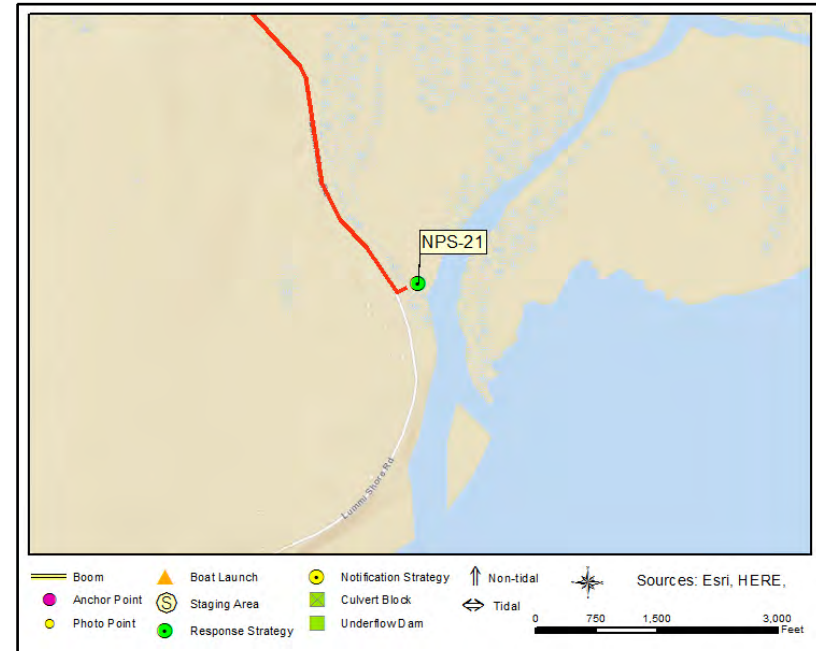
Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

3622 Lummi Shore Road
Bellingham, WA 98226



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. Turn left on Ferndale Rd.
5. Turn right on Marine Dr.
6. Turn left onto Lummi Shore Rd.
7. Turn left into parking area of Native Seafoods and stage from parking lot.

Mouth of Nooksack

NPS-22

Position - Location: 48° 46.355', -122° 36.028' 48° 46' 21.3", -122° 36' 1.7" 48.77258, -122.60046 Bellingham

Strategy Objective: Collection : Collect oil moving upstream or downstream on the Nooksack River

Implementation: Using workboat, deploy 500ft section of boom from shore on river left, near Anchor A, toward Anchor B on river right. More boom may be required to decrease boom angle and entrainment. Adjust boom angle and number of anchors based on environmental conditions. Use trees or shoreside anchoring systems to secure boom to shore. Site prone to flooding during wet season. Hand launch boat from road/trail near Anchor B. Road muddy- bring plywood to make road passable after rain events. Side channel on river left created by flood tide/high water, deploy sorbent/sweep to block off.

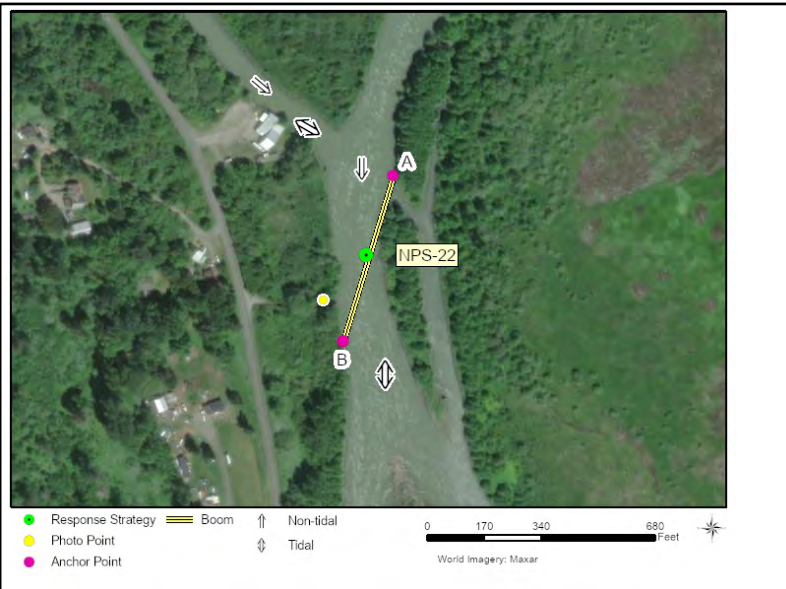
Staging Area: Onsite: Stage onsite, using dirt road. Boat access from bank at end of road.

Site Safety: Swift Currents; Mud/Muddy; Logs and Debris; Heavy Vegetation; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: River - With Tidal Influence - Nooksack River

Resources at Risk: Estuary Resources, Marine Mammals, Salmonids, Tribal Lands/Resources, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B2 (Contractor Boom) or equivalent
6 Each	Plywood sheets (5ft x 5ft)
1 Each	Vac Truck or Skimmer and Storage (if collection)
1 Each	Workboat(s) - (hand-launch)

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Mouth of Nooksack

NPS-22



NPS-22 Photo: From west bank of Nooksack River looking southeast. Note slick silt/clay at access point on water.

Site Contact

Lummi Nation Police Department

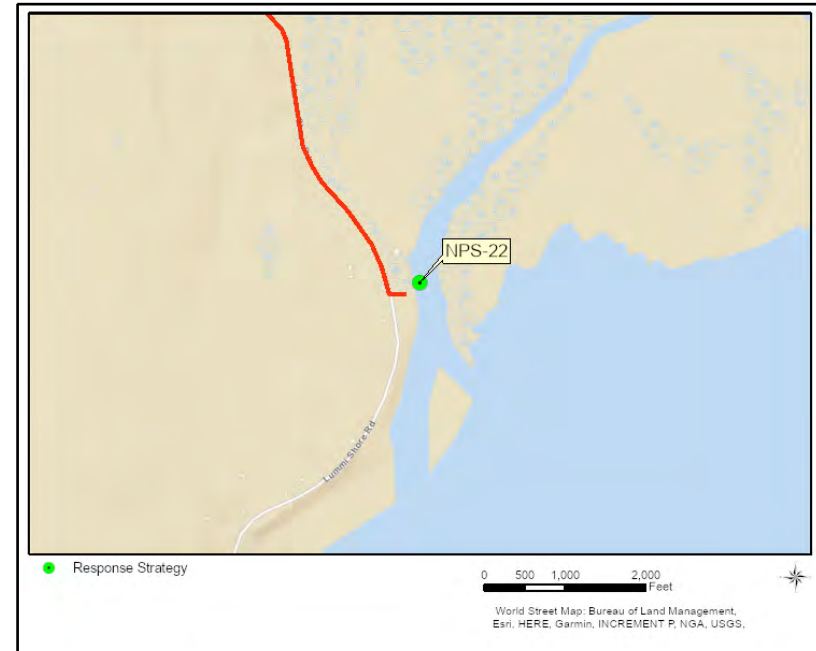
Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

3647 Lummi Shore Road
Bellingham, WA 98226



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take exit 260 Slater Rd Ferndale.
3. At the roundabout, take the third exit for Slater Rd.
4. Turn left on Ferndale Rd.
5. Turn right on Marine Dr.
6. Turn left onto Lummi Shore Rd.
7. Just after Native Seafoods, look for next gravel access road on the left. Road may be too muddy to drive down. Use plywood to make muddy areas passable if necessary.

Stommish Grounds

NPS-23

Position - Location: 48° 43.442', -122° 39.527' 48° 43' 26.5", -122° 39' 31.6" 48.72404, -122.65879 Bellingham

Strategy Objective: Collection : Collect oil on shore

Implementation: Using workboat, deploy 1000ft of boom at an angle to collect oil towards shore for removal by vac truck. Vac truck must remain on road or hardened surface. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Stommish Grounds parking lot/grandstand area

Site Safety: Shallow Water; Mud/Muddy; Logs and Debris; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Cove - Fisherman's Cove

Resources at Risk: Crabs, Forage Fish, Public Recreation Site/Area, Shellfish, Tribal Lands/Resources, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2 Boat Operator
4 Laborer
1 Supervisor

Stommish Grounds

NPS-23



NPS-23 Photo: From Stommish Grounds' grandstand looking northwest toward Lummi Island. Note anchor point structures on beach in photo.

Site Contact

Lummi Nation Police Department

Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

2295 Lummi View Drive
Bellingham, WA 98226



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take exit 260 to Slater Rd toward Lummi Is.
3. At the roundabout, take the third exit onto Slater Rd.
4. At the roundabout, take the first exit onto Slater Rd.
5. Turn left on Haxton Way.
6. At the roundabout, take the second exit onto Haxton Way.
7. At the roundabout, take the second exit onto Haxton Way. Continue onto Lummi View Drive to Stommish Grounds and GRP site.

Portage Island Westside

NPS-24

Position - Location: 48° 42.404', -122° 38.774' 48° 42' 24.3", -122° 38' 46.4" 48.70674, -122.64623 Bellingham

Strategy Objective: Collection : Collect oil on shore

Implementation: Using workboat, deploy 1000ft of boom from shore at an angle to use currents to collect oil using skimmers or other on-water methods. Adjust boom angle and number of anchors based on environmental conditions. Currents and winds can be strong in this area. All equipment must remain on road or hardened surface, use local guides for vehicle route to Portage Island.

Staging Area: Remote: BL-NPS-57 Fisherman's Cove Marina or Bellingham

Site Safety: Rocky Shoreline; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Call 911 and ask to speak to the Chief of Police. If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Puget Sound - open area, currents and winds can be very strong

Resources at Risk: Crabs, Estuary Resources, Forage Fish, Raptors, Shellfish, Tribal Lands/Resources, Waterfowl



Recommended Equipment

4	Each	Anchoring System(s) - (anchor, lines, floats)
1	Each	Anchoring System(s)- Shoreside
1000	Feet	Boom - B2 (Contractor Boom) or equivalent
2	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Skimmer (appropriately sized) with Portable Storage
2	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Portage Island Westside

NPS-24


NPS-24 Photo: From the water looking east toward Portage Island and shoreside anchor point.

Site Contact

Lummi Nation Police Department

Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

2557 Lummi View Drive
Bellingham, WA 98226



Driving Directions

BL-NPS-57 Fisherman's Cove Marina

1. Head north on I-5 toward Bellingham.
2. Take exit 260 to Slater Rd toward Lummi Is.
3. At the roundabout, take the third exit onto Slater Rd.
4. At the roundabout, take the first exit onto Slater Rd.
5. Turn left on Haxton Way.
6. At the roundabout, take the second exit onto Haxton Way.
7. At the roundabout, take the second exit onto Haxton Way.
8. Boat launch will be near Lummi Island Ferry (Gooseberry Point).

Point Francis (SW corner of Portage Island)

NPS-25

Position - Location: 48° 41.585', -122° 37.367' 48° 41' 35.1", -122° 37' 22.0" 48.69309, -122.62278 Bellingham

Strategy Objective: Collection : Collect oil as it is moving up or down Hale Passage

Implementation: Using workboat, deploy 1000ft of boom at an angle out from the southwest corner of Portage Island to collect oil. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-57 Fisherman's Cove Marina or Bellingham

Site Safety: Rocky Shoreline; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Pre-Notification Required: Chief of Police 360-812-0034. If the Chief cannot be reached, call 911 and ask to speak with a Lummi Police Department Officer. A cultural observer must be onsite for any on-reservation strategy.

Watercourse: Puget Sound - Hale passage

Resources at Risk: Crabs, Estuary Resources, Forage Fish, Shellfish, Tribal Lands/Resources, Waterfowl



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
1 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Skimmer (appropriately sized) with Portable Storage
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Point Francis (SW corner of Portage Island)

NPS-25


NPS-25 Photo: From water looking northeast toward Portage Island, Point Francis.



Site Contact

Lummi Nation Police Department

Pre-Notification Required : Call 911 and ask for the Chief or on-duty officer

Lummi Nation Oil Spill Response Team

Emergency Contact : Natural Resources Department
360-410-1706

Nearest Address

2557 Lummi View Drive
Bellingham, WA 98226

Driving Directions

BL-NPS-57 Fisherman's Cove Marina

1. Head north on I-5 toward Bellingham.
2. Take exit 260 to Slater Rd toward Lummi Is.
3. At the roundabout, take the third exit onto Slater Rd.
4. At the roundabout, take the first exit onto Slater Rd.
5. Turn left on Haxton Way.
6. At the roundabout, take the second exit onto Haxton Way.
7. At the roundabout, take the second exit onto Haxton Way.
8. Boat launch will be near Lummi Island Ferry (Gooseberry Point).

Little Squalicum Creek

NPS-30

Position - Location: 48° 45.865', -122° 31.003' 48° 45' 51.9", -122° 31' .2" 48.76442, -122.51672 Bellingham

Strategy Objective: Exclusion : Keep oil out of Little Squalicum Creek.

Implementation: From workboat or walking trail, deploy 100 ft of boom across Little Squalicum Creek in a chevron. Restoration work at this site occurred in 2023-2024 and may be ongoing. Anchor boom above stream outflow structures (above hightide line). Adjust boom angle and anchors to environmental conditions.

Staging Area: Onsite: Can stage onsite or bring boom by boat- potential parking at Marine Drive or Lindbergh Ave

Site Safety: Recreational Vessel Traffic; Rocky Shoreline; Shallow Water; Logs and Debris; Public Park, Including Off-Leash Dogs; Heavy Vegetation;

Field Notes: Vehicle access may be possible using dirt road off Lindberg Ave- Contact Parks for Access

Watercourse: Estuary - Little Squalicum Creek & Estuary

Resources at Risk: City Park, Estuary Resources, Forage Fish, Habitat Restoration Site, Resident Fish, Salmonids, Wetlands



Recommended Equipment

1 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
100 Feet	Boom - B2 (Contractor Boom) or equivalent
100 Feet	Line - 1/2" poly line
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Little Squalicum Creek

NPS-30


NPS-30 Photo: From bridge across Little Squalicum Creek looking toward Bellingham Bay.

Site Contact

City of Bellingham Parks Department

Primary Contact : Main Office 8-5

360-778-7000

Nearest Address

640 Marine Dr
Bellingham, WA 98225



Driving Directions

1. Head North on I-5 toward Bellingham.
2. Take exit 258 (Bakerview Road / Bellingham Int'l Airport)
3. At the traffic light, turn left on W Bakerview Rd.
4. At the traffic light, turn left on Bennett Dr.
5. At the stop sign, turn left on Marine Dr.
6. Turn left on W Illinois St.
7. Parking will be on the right, Little Squalicum Park.

FOR DIRT ROAD ACCESS- You will need to coordinate with Bellingham Parks for vehicle access on the trail:

5. Continue on Marine Dr. across bridge, past Little Squalicum Creek parking lot.
6. Make a left on Lindbergh Ave- dirt road is immediately on the left. If you enter the Bellingham Technical College (BTC) campus, you have gone too far.

Squalicum Creek (Bellingham)

NPS-31

Position - Location:	48° 45.669', -122° 30.508'	48° 45' 40.1", -122° 30' 30.5"	48.76115, -122.50847	Bellingham
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Strategy Objective: Exclusion : Keep oil out of creek.

Implementation:	From bridge on Roeder Ave, deploy 100ft boom across Squalicum Creek, anchoring on banks. Adjust boom angle and number of anchors based on environmental conditions.
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Staging Area: Onsite: Enough room to park vehicle north of bridge.

Site Safety: Shallow Water; Heavy Vegetation; Road Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Lane closure possible- use WSDOT guidelines.

Watercourse: Creek - Squalicum Creek (Tidally Influenced)

Resources at Risk: City Park, Salmonids



Recommended Equipment

2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B2 (Contractor Boom) or equivalent
100	Feet	Line - 1/2" poly line

Recommended Personnel

	Laborer
	Supervisor

Squalicum Creek (Bellingham)

NPS-31


NPS-31 Photo: From bridge looking south toward Squalicum Creek.

Site Contact

No Information
Not Determined :

Nearest Address

2825 Roeder Ave
Bellingham, WA 98225



Driving Directions

1. Head NB on I-5 toward Bellingham.
2. Take exit 256A onto WA-539 / Meridian St toward Lynden.
3. At the traffic light, turn left on Meridian St (WA-539).
4. At the traffic light, turn right on Squalicum Way.
5. Continue onto Roeder Ave until Squalicum Creek, deployment site will be on your right.

Whatcom Creek

NPS-32

Position - Location: 48° 45.092', -122° 29.156' 48° 45' 5.5", -122° 29' 9.4" 48.75154, -122.48594 Bellingham

Strategy Objective: Collection : Collect oil moving downstream on Whatcom Creek

Implementation: Using workboat, deploy 700ft of boom across Whatcom Creek, collecting oil moving downstream at dock (Anchors C and D). Extend boom from Anchor A (east side of Waypoint Park) to corner of elevated roadway to Anchor B. Then extend the boom west across the creek ~400ft to Anchor C (end of small dock). Extend boom along upstream side of dock, securing to bank near Anchor D. Finally, extend boom upstream along creek bank, securing end to shore near Anchor E. Adjust boom angle and number of anchors based on environmental conditions.

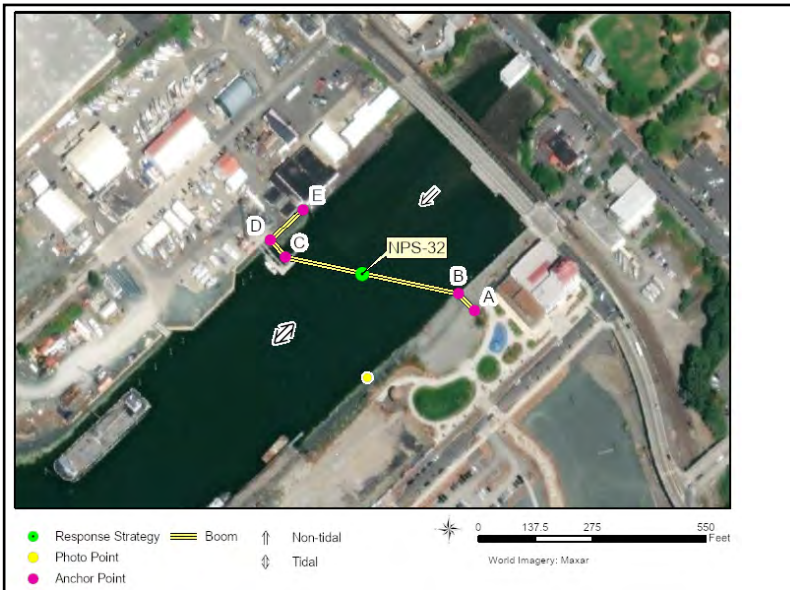
Staging Area: Onsite: Stage equipment on-site, launch from BL-NPS-48 Squaticum Harbor Marina Boat Launch

Site Safety: Rocky Shoreline; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Best implemented during slack high tide. Small dock and property on creek right managed by The Landings at Colony Wharf.

Watercourse: Creek - Whatcom Creek

Resources at Risk: Habitat Restoration Site/Project, Historic Register Site, Public Lands/Facilities, Salmonids



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
3 Each	Anchoring System(s)- Shoreside
700 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
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
3 Laborer
1 Supervisor

Whatcom Creek

NPS-32



NPS-32 Photo: From bank, looking down stream toward Bellingham and strategy location.

Site Contact

The Landings at Colony Wharf

Land/Property Owner : General Manager

360-715-1000

Nearest Address

1001 C Street
Bellingham, WA 98225



Driving Directions

TO GRP SITE:

1. Head north on I-5 toward Bellingham.
2. Take the ramp on the right at exit 253 toward Lakeway Dr.
3. Turn right at exit 253 on King St toward Lakeway Dr.
4. Turn right on Lakeway Dr.
5. Bear right on E Holly St.
6. Turn left onto C Street.
7. Turn left onto Roeder Ave.
8. Turn right on Canary Ave, parking near city park.
- BL-NPS-48 SQUALICUM HARBOR MARINA
6. Turn left on F St.
7. Turn right on Roeder Ave.
8. Turn left on Coho Way.
9. Turn left on S Harbor Loop Dr.
10. Marina is on the left.

Boulevard Park Restored Beach

NPS-33

Position - Location: 48° 43.999', -122° 30.013' 48° 43' 60.0", -122° 30' .8" 48.73332, -122.50022 Bellingham

Strategy Objective: Exclusion : Keep oil off beach

Implementation: Using workboat, deploy 400ft of boom from rocky outcropping to the east of the beach (Anchor A) toward the rocky point to the west of the beach (Anchor C). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-61 Fairhaven Boat Launch- accessible by vehicle from park

Site Safety: Rocky Shoreline; Shallow Water; Active Rail Line; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Bay - Bellingham Bay

Resources at Risk: City Park, Habitat Restoration Site/Project, Marine Birds, Marine Mammals



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
400	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Boulevard Park Restored Beach

NPS-33



NPS-33 Photo: From beach looking northeast at restored beach on north end of Boulevard Park.

Site Contact

City of Bellingham Parks Department

Primary Contact : Main Office 8-5

360-778-7000

Nearest Address

501 Harris Avenue
Bellingham, WA 98225



Driving Directions

BL-NPS-61 Fairhaven Boat Launch

1. Head north on I-5 toward Bellingham.
2. Take exit 250 for WA-11 S/Old Fairhaven Pkwy toward Chuckanut Dr.
3. Turn left on WA-11 (Old Fairhaven Pky).
4. Continue on Donovan Ave.
5. Bear right on 10th St.
6. Turn left on Harris Ave.
7. Boat launch is on the right (Bellingham Cruise Terminal/Fairhaven Moorage).

Padden Creek

NPS-34

Position - Location: 48° 43.323', -122° 30.483' 48° 43' 19.4", -122° 30' 29.0" 48.72205, -122.50805 Bellingham

Strategy Objective: Exclusion : Keep oil out of Padden Creek

Implementation: Using workboat, deploy 200ft of boom in chevron configuration in front of gap in railroad trestle to lagoon. Anchor to railroad trestle. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: BL-NPS-61 Fairhaven Boat Launch (onsite) or Bellingham

Site Safety: Rocky Shoreline; Piling Hazard; Active Rail Line; Water Hazard; Slips, Trips, Falls

Field Notes: Flow through trestle may be significant during tidal exchanges. Call BNSF before deployment; coordinate with On-Call Hazmat Manager at 817-352-2832.

Watercourse: Creek - Padden Creek- strong tidal influence

Resources at Risk: Forage Fish, Marine Mammals, Salmonids



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Padden Creek

NPS-34


NPS-34 Photo: From the 6th Street boat ramp looking toward rail trestle and Padden Creek.

Site Contact

No Information
Not Determined :

Nearest Address

501 Harris Avenue
Bellingham, WA 98225



Driving Directions

BL-NPS-61 Fairhaven Boat Launch & GRP Site:

1. Head north on I-5 toward Bellingham.
2. Take exit 250 for WA-11 S/Old Fairhaven Pkwy toward Chuckanut Dr.
3. Turn left on WA-11 (Old Fairhaven Pky).
4. Continue on Donovan Ave.
5. Bear right on 10th St.
6. Turn left on Harris Ave.
7. Boat launch is on the right (Bellingham Cruise Terminal/Fairhaven Moorage).

Post Point Lagoon (Marine Park)

NPS-35

Position - Location: 48° 43.117', -122° 31.009' 48° 43' 7.0", -122° 31' .5" 48.71861, -122.51681 Bellingham

Strategy Objective: Exclusion : Keep oil out of lagoon

Implementation: Using workboat, deploy 200ft of boom in chevron configuration in front of gap in railroad trestle to lagoon. Anchor to railroad trestle. Flow through gap may be significant during tidal exchanges.

Staging Area: Remote: Stage equipment at Marine Park (adjacent); launch from BL-NPS-61 Fairhaven Boat Launch

Site Safety: Swift Currents; Crab Pot Hazard (Seasonal); Rocky Shoreline; Active Rail Line; Water Hazard; Slips, Trips, Falls

Field Notes: Flow through gap may be significant during tidal exchange.

Watercourse: Lagoon - Unnamed lagoon adjacent to water treatment plant

Resources at Risk: Forage Fish, Public Recreation Site/Area, Salmonids



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Post Point Lagoon (Marine Park)

NPS-35


NPS-35 Photo: From water looking east toward tressel and lagoon.

Site Contact

No Information
Not Determined :

Nearest Address

501 Harris Avenue
Bellingham, WA 98225



Driving Directions

- BL-NPS-61 Fairhaven Boat Launch
1. Head north on I-5 toward Bellingham.
 2. Take exit 250 for WA-11 S/Old Fairhaven Pkwy toward Chuckanut Dr.
 3. Turn left on WA-11 (Old Fairhaven Pky).
 4. Continue on Donovan Ave.
 5. Bear right on 10th St.
 6. Turn left on Harris Ave.
 7. Boat launch is on the right (Bellingham Cruise Terminal/Fairhaven Moorage).

Lagoon South of Post Point.

NPS-36

Position - Location: 48° 42.598', -122° 31.051' 48° 42' 35.9", -122° 31' 3.1" 48.70996, -122.51752 Bellingham

Strategy Objective: Exclusion : Keep oil out of lagoon

Implementation: Using workboat, deploy 200ft of boom in chevron configuration in front of gap in railroad trestle to lagoon. Anchor to railroad trestle. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-61 Fairhaven Boat Launch or Bellingham

Site Safety: Swift Currents; Crab Pot Hazard (Seasonal); Rocky Shoreline; Active Rail Line; Water Hazard; Slips, Trips, Falls

Field Notes: Flow through gap may be significant during tidal exchanges.

Watercourse: Lagoon - Unnamed Lagoon

Resources at Risk: Crabs, Salmonids, Shellfish



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Lagoon South of Post Point.

NPS-36


NPS-36 Photo: From water looking east toward rail trestle and strategy location.

Site Contact

No Information
Not Determined :

Nearest Address

501 Harris Avenue
Bellingham, WA 98225



Driving Directions

BL-NPS-61 Fairhaven Boat Launch

1. Head north on I-5 toward Bellingham.
2. Take exit 250 for WA-11 S/Old Fairhaven Pkwy toward Chuckanut Dr.
3. Turn left on WA-11 (Old Fairhaven Pky).
4. Continue on Donovan Ave.
5. Bear right on 10th St.
6. Turn left on Harris Ave.
7. Boat launch is on the right (Bellingham Cruise Terminal/Fairhaven Moorage).

Chuckanut Creek

NPS-37

Position - Location: 48° 41.843', -122° 30.347' 48° 41' 50.6", -122° 30' 20.8" 48.69739, -122.50578 Bellingham

Strategy Objective: Exclusion : Keep oil out of Chuckanut Creek and Bay

Implementation: Using workboat, deploy 400ft of boom in chevron configuration in front of gap in railroad trestle to isolate bay and creek. Anchor to railroad trestle. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-61 Fairhaven Boat Launch or Bellingham

Site Safety: Swift Currents; Extreme Waves; Rocky Shoreline; Active Rail Line; Water Hazard; Slips, Trips, Falls

Field Notes: Gap can have strong currents and wind gusts.

Watercourse: Bay - Chuckanut Creek/Chuckanut Bay

Resources at Risk: Crabs, Raptors, Salmonids, Shellfish, Shorebirds



Recommended Equipment

2 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Chuckanut Creek

NPS-37


NPS-37 Photo: From water looking north toward rail trestle crossing at Chuckanut Creek.

Site Contact

No Information
Not Determined :

Nearest Address

501 Harris Avenue
Bellingham, WA 98225



Driving Directions

BL-NPS-61 Fairhaven Boat Launch

1. Head north on I-5 toward Bellingham.
2. Take exit 250 for WA-11 S/Old Fairhaven Pkwy toward Chuckanut Dr.
3. Turn left on WA-11 (Old Fairhaven Pky).
4. Continue on Donovan Ave.
5. Bear right on 10th St.
6. Turn left on Harris Ave.
7. Boat launch is on the right (Bellingham Cruise Terminal/Fairhaven Moorage).

Larrabee State Park, Wildcat Cove

NPS-41

Position - Location: 48° 39.161', -122° 29.660' 48° 39' 9.7", -122° 29' 39.6" 48.65269, -122.49433 Bellingham

Strategy Objective: Exclusion : Keep oil out of Wildcat Cove

Implementation: Using workboat, deploy 800ft of boom across the entrance of Wildcat Cove. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: BL-NPS-79 Larrabee State Park

Site Safety: Swift Currents; Rocky Shoreline; Rocky Outcropping; Water Hazard; Slips, Trips, Falls

Field Notes: Two small coves with rocky shoreline- ensure strategy keeps oil out of both coves.

Watercourse: Cove - Wildcat Cove

Resources at Risk: Boat Launch/Ramp, Crabs, Eelgrass, Forage Fish, Marine Mammals, Salmonids, Shellfish, State Park



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
800 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Larrabee State Park, Wildcat Cove

NPS-41


NPS-41 Photo: From water looking east toward Wildcat Cove. Anchor points just out of frame, the rocky outcrops protecting both beaches in the cove.

Site Contact

Larrabee State Park
Land/Property Owner : Park Ranger

Bellingham, WA 98227
360-676-2093

Nearest Address

345 Pleasant Bay Road
Bellingham, WA 98229



Driving Directions

BL-NPS-79 Larrabee State Park

1. Head north on I-5 toward Bellingham
2. Take the ramp on the right at exit 250 to WA-11 S / Old Fairhaven Pkwy toward Chuckanut Dr.
3. Turn left on Old Fairhaven Pkwy (WA-11).
4. Turn left on 30th St.
5. Turn right on Old Samish Rd.
6. Make a sharp left on WA-11 (Chuckanut Dr).
7. Turn right on Cove Rd.
8. Make a sharp left at Pleasant Bay Rd to stay on Cove Rd.
9. Finish at 348 Cove Road, 98229, on the left.

Harrison and Colony Creeks

NPS-42

Position - Location: 48° 36.004', -122° 25.491' 48° 36' .2", -122° 25' 29.5" 48.60006, -122.42485 Bow

Strategy Objective: Exclusion : Keep oil out of Creek.

Implementation: From land, deploy 100ft of boom across Colony Creek in chevron. Necessary only at high tide. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Stage pickup on dirt road on W side of Chuckanut Drive- PSE lock on cable.

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Active Rail Line; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Access on west side of rail tracks, there is a PSE lock on the cable for the dirt access road. Call BNSF before deployment; coordinate with On-Call Hazmat Manager at 817-352-2832.

Watercourse: Creek - Colony Creek (tidally influenced)

Resources at Risk: Eelgrass, Forage Fish, Marine Birds, Salmonids, Shorebirds, Waterfowl



Recommended Equipment

1 Each	Anchor - Danforth (or other appropriate type)
2 Each	Anchoring Post(s) - (shoreside)
300 Feet	Boom - B2 (Contractor Boom) or equivalent

Recommended Personnel

2 Laborer

Harrison and Colony Creeks

NPS-42

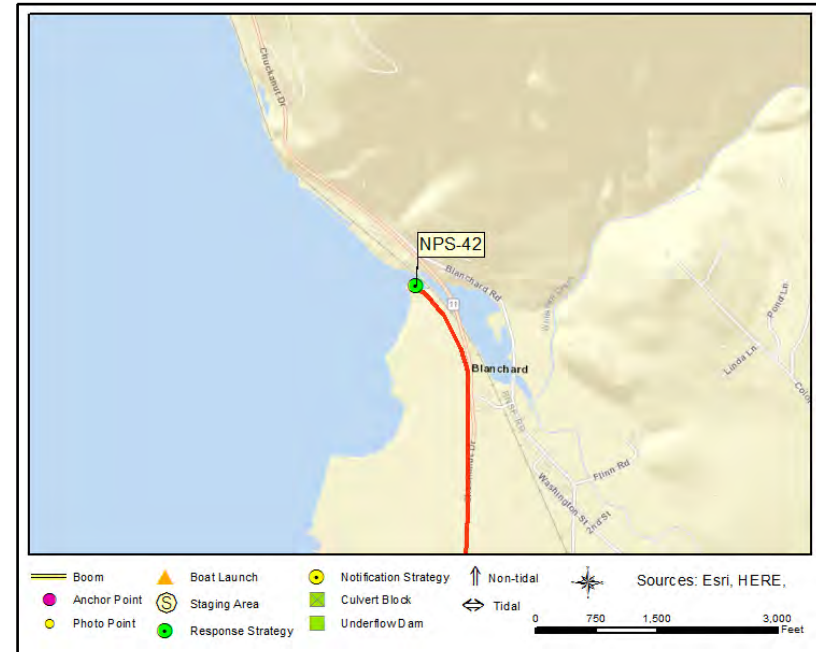


NPS-42 Photo: Access road on west side, cable has PSE lock

Site Contact

Nearest Address

3566 Chuckanut Drive
Bow, WA 98232



Driving Directions

1. Start at 18003 Bow Hill Rd Bow
2. Go west on Bow Hill Rd toward Hobson Rd
3. Turn right on WA-11 (Chuckanut Dr)
4. At Legg road intersection take a left onto gravel road.
5. Cable blocking the gravel road has a PSE lock.
6. Continue down gravel road until you reach the creek

Samish River near Bayview-Edison Road

NPS-43

Position - Location: 48° 33.297', -122° 27.338' 48° 33' 17.8", -122° 27' 20.3" 48.55495, -122.45563 Bow

Strategy Objective: Exclusion : Keep oil out of the Samish River

Implementation: Using workboat, deploy 300ft of boom across Samish River. Extend boom NE (upstream) from old dock on south bank (Anchor A), across river 200ft, around dock or piling near Anchor B, and back to shore on north bank at dirt boat ramp (Anchor C). Adjust boom angle and number of anchors based on environmental conditions. Multiple lines of sorbent may be necessary in tidal canal to the south of the GRP's location depending on flow.

Staging Area: Onsite: Stage and use earthen/dirt boat ramp onsite to hand-launch workboat.

Site Safety: Swift Currents; Shallow Water; Mud/Muddy; Logs and Debris; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Coordinate access with property owners: Edison Hunting Club; 360-766-0105.

Watercourse: River - With Tidal Influence - Samish River

Resources at Risk: Estuary Resources, Salmonids, Shorebirds, Waterfowl



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B3 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - (hand-launch)

Recommended Personnel

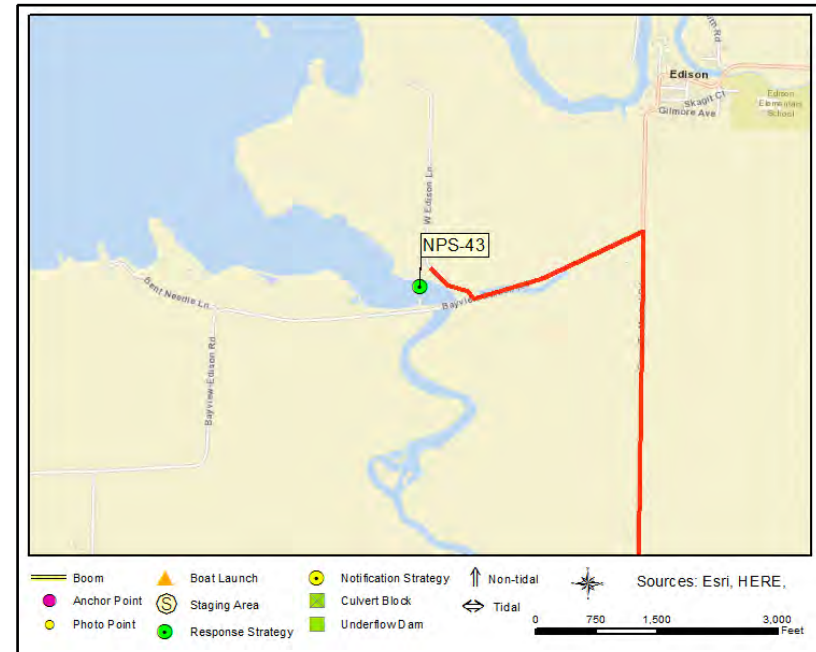
1	Boat Operator
2	Laborer
1	Supervisor

Samish River near Bayview-Edison Road

NPS-43



NPS-43 Photo: From Samish River looking south toward Bayview Edison Rd.



Site Contact

Edison Hunting Club Inc.

Land/Property Contact : Property Owner

Bow, WA 98232

360-766-0105

Nearest Address

6188 W Edison Lane
Bow, WA 98232

Driving Directions

1. Head north on I-5 from Mt. Vernon
2. Take exit 231 for WA-11 N/Chuckanut Drive toward Bow-Edison.
3. At the traffic circle, take the 2nd exit onto WA-11 N.
4. At the second traffic circle, take the 1st exit and stay on WA-11 N.
5. Turn left onto Sunset Rd.
6. Turn right onto Farm-to-Market Rd.
7. Turn sharp left onto Bayview Edison Rd.
8. Turn right onto W Edison Ln.
9. Turn left onto dirt driveway that leads to earthen boat ramp at 6188 W Edison Ln. Boat ramp is about ~125ft from roadway.

Siwash Slough/Alice Bay - South Entrance

NPS-44

Position - Location: 48° 33.595', -122° 29.184' 48° 33' 35.7", -122° 29' 11.0" 48.55992, -122.48640 Bow

Strategy Objective: Exclusion : Keep oil out of Siwash Slough/Alice Bay

Implementation: Using workboat, secure 300ft hard boom to shore on unnamed island near NE corner of walking bridge at/near Point A (48.56012, -122.48666). Extend boom SE about ~150ft and secure to tip of small peninsula, at/near Point B (48.55999, -122.48611). Extend remaining boom SE ~150ft and secure to shore near NE corner of parking area on private property. Use shoreside anchoring systems to secure boom to shore. Use anchoring systems to keep boom secure in water, as needed. Deploy sorbent boom along east side of walking bridge, and in front of canal that's immediately east of main house.

Staging Area: Remote: Stage Equipment and use Boat Launch at Larrabee State Park (SA-NPS-79 & BL-NPS-79)

Site Safety: Slips, Trips, Falls; Water Hazard; Shallow Water; Mud Flats

Field Notes: Entire area is VERY SHALLOW; High Tide Deployment Recommended. Coordinate deployment with Private Property Owner (Samish Bay Sports Club Inc).

Watercourse: Bay - Samish Bay - Siwash Slough

Resources at Risk: Estuary Resources, Raptors, Salmonids, Shellfish, Shorebirds, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s)- Shoreside
300 Feet	Boom - B2 (Contractor Boom) or equivalent
300 Feet	Boom - Sorbent
1 Each	Heaving Line(s)
100 Feet	Line - 3/8" poly line
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Siwash Slough/Alice Bay - South Entrance

NPS-44

NPS

N bank anchor point

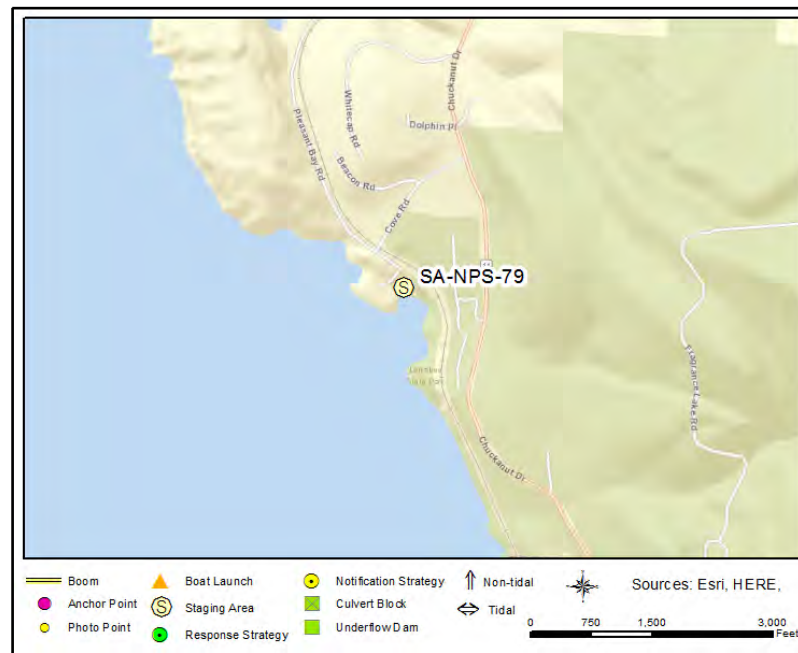


NW

N 48° 33' 36.08" W 122° 29' 10.59" UTM 84

07/30/2008 4:56:37 PM

NPS-44 Photo: North bank anchor point on right.



Site Contact

Samish Bay Sports Club Inc.

Land/Property Contact : Agent

Padilla Bay National Estuarine Research Reserve

Call for Local Conditions : Local Expertise

360 428-1558

Nearest Address

12025 Samish Island Road
Bow, WA 98232

Driving Directions

1. Head north on I-5 from Mt. Vernon
2. Take exit 231 for WA-11 N/Chuckanut Drive toward Bow-Edison
3. At the traffic circle, take the 2nd exit onto WA-11 N
4. At the second traffic circle, take the 1st exit and stay on WA-11 N
5. After 5.1mi, turn left onto Sunset Rd.
6. After 1.8mi, turn right onto Farm-to-Market Rd
7. After 0.8mi, turn sharp left onto Bayview Edison Rd
8. After 1.7mi, stay straight onto Samish Island Rd
9. After 1.1mi, private drive (dirt road) will be to the right.
10. Follow drive for 0.4mi to parking area of residence. South entrance to Siwash Slough is immediately to the north of parking area.

Siwash Slough/Alice Bay - North Entrance

NPS-45

Position - Location: 48° 34.043', -122° 29.447' 48° 34' 2.6", -122° 29' 26.8" 48.56739, -122.49078 Bow

Strategy Objective: Exclusion : Keep oil out of Siwash Slough/Alice Bay

Implementation: Using workboat, secure end of 900ft boom to shore on north shore of entrance to Siwash Slough (aka Alice Bay) at/near Point A (48.56858, -122.49091); coordinate access with property owner. Extend boom south along east side of private dock, and then across slough's entrance to shallow spit of land on south side. Pull boom tight and secure at/near Point B (48.56636, -122.49069). Use anchoring systems, as needed, to keep boom secure in water. During extreme high tide, shallow land spit may be submerged. At low tide, land spit isn't accessible due to very shallow water and extensive mud flats.

Staging Area: Remote: Stage Equipment and use Boat Launch at Larrabee State Park (SA-NPS-79 & BL-NPS-79)

Site Safety: Slips, Trips, Falls; Water Hazard; Shallow Water; Mud Flats

Field Notes: Entire area is VERY SHALLOW; coordinate with Padilla Bay for best time to access site on tidal cycle.

Watercourse: Bay - Samish Bay - Siwash Slough

Resources at Risk: Raptors, Salmonids, Sensitive Habitat, Shorebirds, Waterfowl



Recommended Equipment

8 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
900 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Heaving Line(s)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Siwash Slough/Alice Bay - North Entrance

NPS-45


NPS-45 Photo: Aerial image above Siwash Slough looking east towards strategy location. Boom line and anchor points depicted on image.

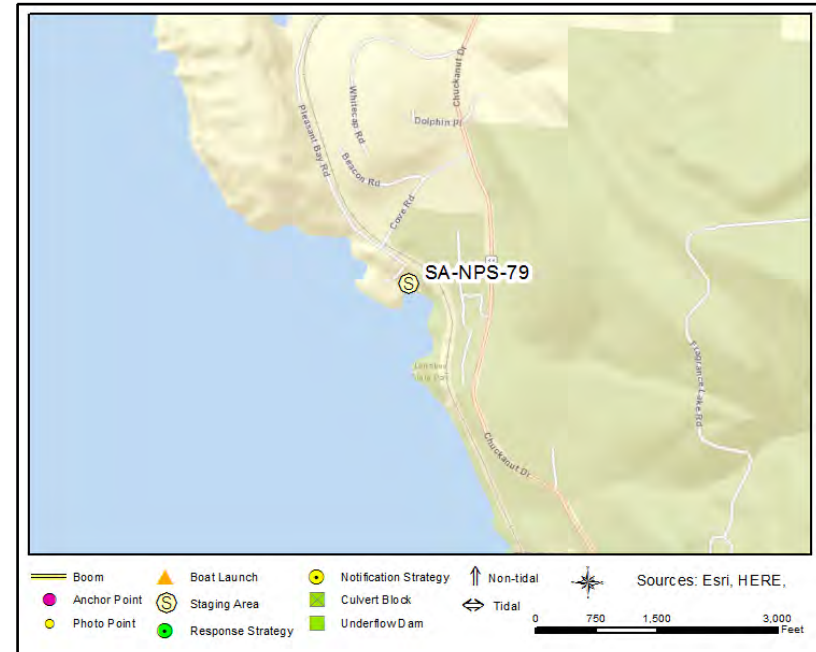
Site Contact

Padilla Bay National Estuarine Research Reserve
Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

11760 Scott Road
Bow, WA 98232



Driving Directions

1. Head north on I-5 from Mt. Vernon
2. Take exit 231 for WA-11 N/Chuckanut Drive toward Bow-Edison
3. At the traffic circle, take the 2nd exit onto WA-11 N
4. At the second traffic circle, take the 1st exit and stay on WA-11 N
5. After 5.1mi, turn left onto Sunset Rd.
6. After 1.8mi, turn right onto Farm-to-Market Rd
7. After 0.8mi, turn sharp left onto Bayview Edison Rd
8. After 1.7mi, stay straight onto Samish Island Rd
9. After 2.2mi, turn right onto Scott Rd
10. After 0.4mi, turn right into private drive for residence at 11799 Scott Road. North entrance to Siwash Slough is immediately to the south of that property.

South Side of Williams Point

NPS-46

Position - Location: 48° 35.194', -122° 33.469' 48° 35' 11.6", -122° 33' 28.2" 48.58656, -122.55782 Anacortes

Strategy Objective: Exclusion : Keep oil out of cove

Implementation: Using workboat, deploy 1000ft of boom in a chevron configuration. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Swift Currents; Rocky Shoreline; Rocky Outcropping; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Cove - North Puget Sound

Resources at Risk: Crabs, Estuary Resources, Forage Fish, Salmonids, Shellfish



Recommended Equipment

5 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

South Side of Williams Point

NPS-46

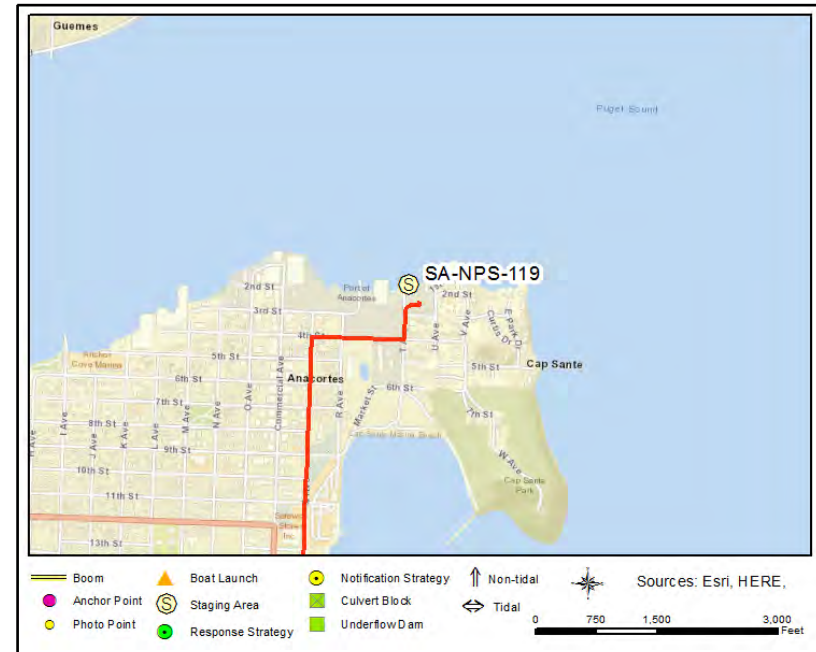

NPS-46 Photo: From water looking east toward Williams Point.

Site Contact

No Information
Not Determined :

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Camp Kirby

NPS-47

Position - Location: 48° 34.519', -122° 33.178' 48° 34' 31.2", -122° 33' 10.7" 48.57532, -122.55296 Bow

Strategy Objective: Exclusion : Keep oil off gravel beach.

Implementation: Using workboat, deploy 1,500ft of boom from end of spit at Camp Kirby to end of gravel beach. At low tides boom could be deployed from shore. Adjust boom angle and number of anchors based on environmental conditions. Western portion of beach should be prioritized during deployment if boom is short.

Staging Area: Remote: Cap Sante Marina or other boat launch near Anacortes

Site Safety: Logs and Debris; Road Hazard (Narrow Dirt Road); Water Hazard; Slips, Trips, Falls

Field Notes: Contact Camp Kirby for land access (camp open seasonally).

Watercourse: Bay - N Padilla Bay

Resources at Risk: Shellfish, Waterfowl



Recommended Equipment

8 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1500 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Vac Truck or Skimmer and Storage
2 Each	Workboat(s) - of adequate size for type and amount of boom

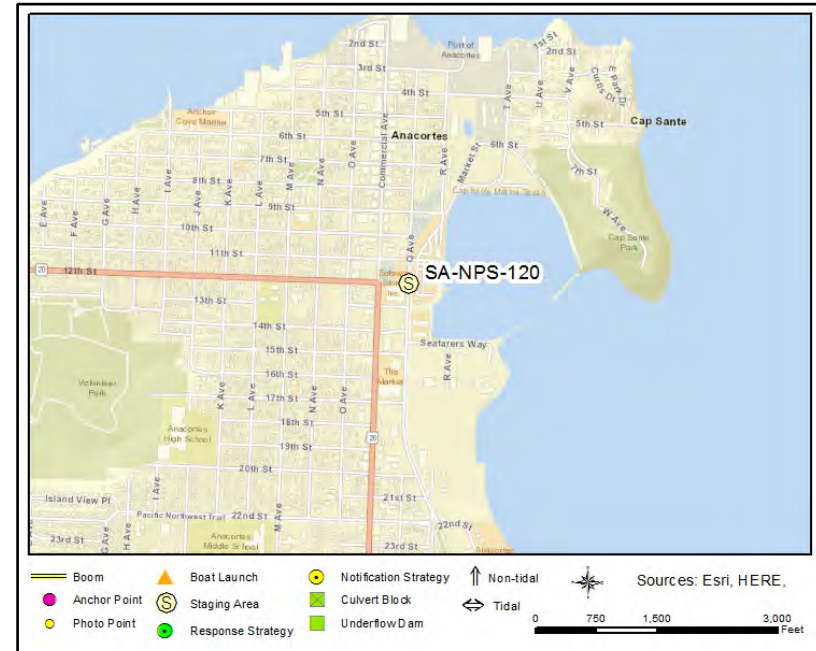
Recommended Personnel

1	Boat Operator
6	Laborer
	Supervisor

Camp Kirby

NPS-47


NPS-47 Photo: From water looking east toward Camp Kirby over spit.



Site Contact

Camp Kirby, Samish Island

Private Owner : Local land owner

360-733-5710

Nearest Address

4734 Samish Point Road
Bow, WA 98232

Driving Directions

1. Start at 8283 Farm To Market Rd Bow
2. Go north on WA-237 (Farm To Market Rd) toward Boe Rd
3. Turn left on Bayview-Edison Rd
4. Continue on Samish Island Rd
5. Turn left at G Loop Rd/Halloran Rd to stay on Samish Island Rd
6. Bear right on Samish Point Rd
7. Finish at 4734 Samish Point Road, 98232, on the left

Joe Leary Slough

NPS-51

Position - Location: 48° 31.193', -122° 28.916' 48° 31' 11.6", -122° 28' 55.0" 48.51989, -122.48194 Mt Vernon

Strategy Objective: Exclusion : Keep oil out of marsh

Implementation: Using workboat, deploy 600ft of boom in a chevron configuration across Joe Leary Slough. Area is shallow and becomes a mudflat at low tide. At high tides side channel may also need to be blocked. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel

Site Safety: Shallow Water; Mud/Muddy; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Contact Padilla Bay for navigation information and up-to-date landowner information.

Watercourse: Slough - Joe Leary Slough

Resources at Risk: Backwater Habitat, Eelgrass, Herons, Marsh, Raptors, Salmonids, Shorebirds, Special Protection Area, Waterfowl, Wildlife Refuge



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Joe Leary Slough

NPS-51



NPS-51 Photo: From the bank looking across Joe Leary Slough at the strategy location.

Site Contact

Padilla Bay National Estuarine Research Reserve

Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

11068 Bayview Edison Road
Mount Vernon, WA 98273



Driving Directions

BL-NPS-136 Padilla Bay Boat Launch

1. Head north on I-5 toward Mt Vernon.
2. Bear right onto the ramp at exit 231 to WA-11 N / Chuckanut Dr toward Bow-Edison.
3. Keep left at the fork toward WA-11 N / Chuckanut Dr / Bow-Edison.
4. At the roundabout, take the third exit onto WA-11 N toward I-5 S.
5. At the roundabout, take the second exit onto Josh Wilson Rd.
6. Turn right on Bayview-Edison Rd.
7. Boat launch will be on the left.

Sullivan Salt Marsh North Unit (North Channel)

NPS-52.1

Position - Location: 48° 30.686', -122° 29.129' 48° 30' 41.1", -122° 29' 7.8" 48.51143, -122.48549 Mount Vernon

Strategy Objective: Exclusion : Keep oil out of Sullivan Marsh

Implementation: Using workboat, deploy 950ft of boom across Sullivan Marsh (North Unit) northern channel. If tides are projected to be higher, deploy 2100ft of boom across entire Sullivan Marsh North Unit. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel

Site Safety: Shallow Water; Mud/Muddy; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Contact Padilla Bay for navigation information and up-to-date landowner information.

Watercourse: Salt Marsh - Sullivan Salt Marsh North Unit

Resources at Risk: Eelgrass, Marsh, Raptors, Shellfish, Shorebirds, Waterfowl, Wildlife Refuge



Recommended Equipment

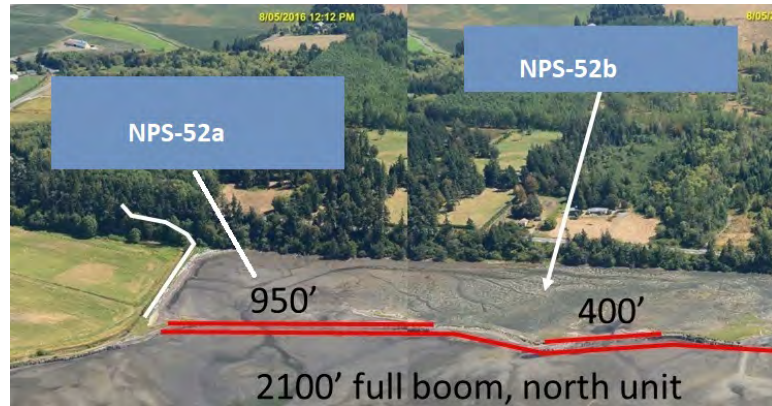
7 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
950 Feet	Boom - B3 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Sullivan Salt Marsh North Unit (North Channel)

NPS-52.1



NPS-52.1 Photo: Diagram of NPS-52a (left) and NPS-52b (right) or booming the whole south unit (bottom).



Site Contact

Padilla Bay National Estuarine Research Reserve

Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

11068 Bayview Edison Road
Mount Vernon, WA 98273

Driving Directions

BL-NPS-136 Padilla Bay Boat Launch

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Turn right on WA-237 (Farm To Market Rd)
4. Turn left on Bay View Rd (Bayview Rd)
5. Turn right on Bayview-Edison Rd (Bayview Edison Rd)
6. Boat launch is on the left near series of large blue buildings.

Sullivan Marsh North Unit (southern section)

NPS-52.2

Position - Location: 48° 30.494', -122° 29.089' 48° 30' 29.6", -122° 29' 5.3" 48.50823, -122.48481 Mount Vernon

Strategy Objective: Exclusion : Keep oil out of Sullivan Marsh

Implementation: Using workboat, deploy 400ft of boom across Sullivan Marsh (North Unit) southern channel. If tides are projected to be higher, deploy 2100ft of boom across entire Sullivan Marsh North Unit. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel

Site Safety: Shallow Water; Mud/Muddy; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Contact Padilla Bay for navigation information and up-to-date landowner information.

Watercourse: Salt Marsh - Sullivan Marsh

Resources at Risk: Eelgrass, Marsh, Raptors, Shellfish, Shorebirds, Waterfowl, Wildlife Refuge



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
400	Feet	Boom - B3 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Sullivan Marsh North Unit (southern section)

NPS-52.2



NPS-52.2 Photo: From road looking down at Sullivan Marsh at low tide.

Site Contact

Padilla Bay National Estuarine Research Reserve

Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

11068 Bayview Edison Road
Mount Vernon, WA 98273



Driving Directions

BL-NPS-136 Padilla Bay Boat Launch

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Turn right on WA-237 (Farm To Market Rd)
4. Turn left on Bay View Rd (Bayview Rd)
5. Turn right on Bayview-Edison Rd (Bayview Edison Rd)
6. Boat launch is on the left near series of large blue buildings.

Sullivan Marsh Southern Unit

NPS-52.3

Position - Location: 48° 30.349', -122° 29.026' 48° 30' 20.9", -122° 29' 1.5" 48.50581, -122.48376 Mount Vernon

Strategy Objective: Exclusion : Keep oil out of Sullivan Marsh

Implementation: Using workboat, deploy 700ft of boom across Sullivan Marsh (South Unit). If tides are projected to be higher, deploy 2800ft of boom across entire Sullivan Marsh South Unit. Adjust boom angle and number of anchors based on environmental conditions.

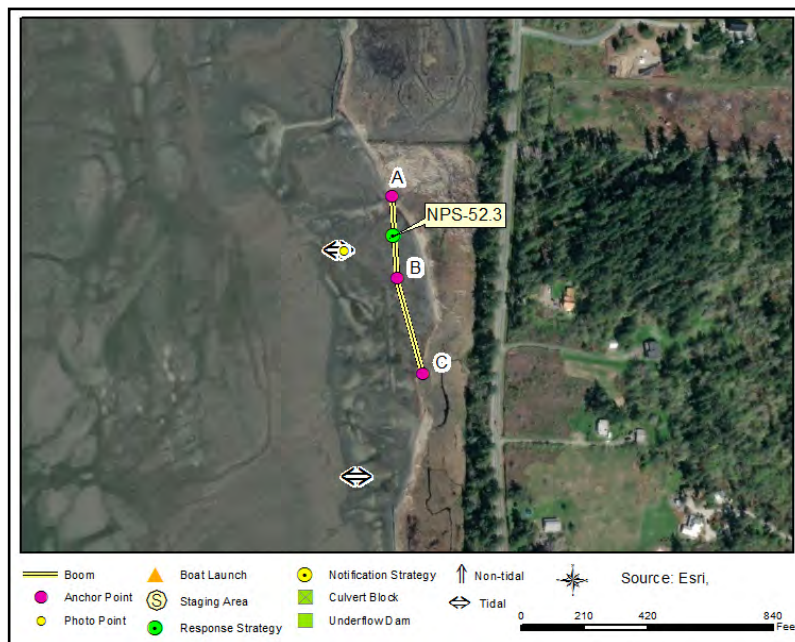
Staging Area: Remote: BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel

Site Safety: Shallow Water; Mud/Muddy; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Contact Padilla Bay for navigation information and up-to-date landowner information.

Watercourse: Salt Marsh - Sullivan Marsh

Resources at Risk: Eelgrass, Marsh, Raptors, Shellfish, Shorebirds, Waterfowl, Wildlife Refuge



Recommended Equipment

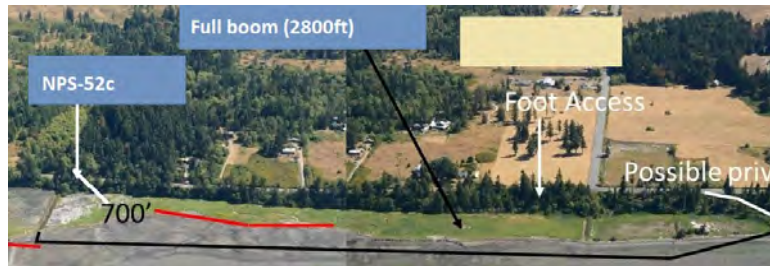
3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
700 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Sullivan Marsh Southern Unit

NPS-52.3



NPS-52.3 Photo: Diagram of NPS-52c (red line, left) or booming whole unit (black line, bottom).



Site Contact

Padilla Bay National Estuarine Research Reserve
Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

11068 Bayview Edison Road
Mount Vernon, WA 98273

Driving Directions

- BL-NPS-136 Padilla Bay Boat Launch
1. Head north on I-5 toward Mt. Vernon.
 2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
 3. Turn right on WA-237 (Farm To Market Rd)
 4. Turn left on Bay View Rd (Bayview Rd)
 5. Turn right on Bayview-Edison Rd (Bayview Edison Rd)
 6. Boat launch is on the left near series of large blue buildings.

Bayview State Park North Beach

NPS-53

Position - Location: 48° 29.338', -122° 28.939' 48° 29' 20.3", -122° 28' 56.3" 48.48897, -122.48231 Mt Vernon

Strategy Objective: Exclusion : Keep oil out of salt marsh and beach

Implementation: Using workboat, deploy 600ft of boom from northern extent of beach (Anchor A) to riprap at south end of beach (Anchor C). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel

Site Safety: Shallow Water; Mud/Muddy; Water Hazard; Slips, Trips, Falls

Field Notes: Contact Padilla Bay for navigation information. Boat launch is south of park.

Watercourse: Bay - Padilla Bay

Resources at Risk: Eelgrass, Forage Fish, Herons, Marsh, Shellfish, Shorebirds, State Park, Waterfowl, Wildlife Refuge



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
600	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Bayview State Park North Beach

NPS-53


NPS-53 Photo: From Bayview State Park looking north across salt marsh and beach to be protected.

Site Contact

Bayview State Park

Primary Contact :

360-757-0227

Nearest Address

11068 Bayview Edison Road
Mt Vernon, WA 98273



Driving Directions

BL-NPS-136 Padilla Bay Boat Launch

1. Head north on I-5 toward Mt Vernon.
2. Bear right onto the ramp at exit 231 to WA-11 N / Chuckanut Dr toward Bow-Edison.
3. Keep left at the fork toward WA-11 N / Chuckanut Dr / Bow-Edison.
4. At the roundabout, take the third exit onto WA-11 N toward I-5 S.
5. At the roundabout, take the second exit onto Josh Wilson Rd.
6. Turn right on Bayview-Edison Rd.
7. Boat launch will be on the left. Continue on Bayview-Edison Rd to reach Bayview State Park.

No Name Slough (Padilla Bay)

NPS-54

Position - Location: 48° 28.180', -122° 28.211' 48° 28' 10.8", -122° 28' 12.6" 48.46967, -122.47018 Mount Vernon

Strategy Objective: Exclusion : Keep oil out of No Name Slough.

Implementation: Using workboat or from Padilla Bay Shore Trail, deploy 450ft of boom across slough opening into Padilla Bay.

Staging Area: Remote: BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel

Site Safety: Shallow Water; Mud/Muddy; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Contact Padilla Bay for navigation information and up-to-date landowner information. May also be able to coordinate land access via Shore Trail.

Watercourse: Bay - No Name Slough and Padilla Bay

Resources at Risk: Economic Resource, Estuary Resources, Salmonids, Shorebirds, Waterfowl



Recommended Equipment

2 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

No Name Slough (Padilla Bay)

NPS-54


NPS-54 Photo: From Padilla Bay Shoreline Trail looking back at No Name Slough outfall.

Site Contact

Padilla Bay National Estuarine Research Reserve
Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

11068 Bayview Edison Road
Mount Vernon, WA 98273



Driving Directions

BL-NPS-136 Padilla Bay Boat Launch

1. Head north on I-5 toward Mt Vernon.
2. Bear right onto the ramp at exit 231 to WA-11 N / Chuckanut Dr toward Bow-Edison.
3. Keep left at the fork toward WA-11 N / Chuckanut Dr / Bow-Edison.
4. At the roundabout, take the third exit onto WA-11 N toward I-5 S.
5. At the roundabout, take the second exit onto Josh Wilson Rd.
6. Turn right on Bayview-Edison Rd.
7. Boat launch will be on the left.

Indian Slough (S end of Padilla Bay)

NPS-55

Position - Location: 48° 28.029', -122° 28.658' 48° 28' 1.7", -122° 28' 39.5" 48.46715, -122.47763 Mt Vernon

Strategy Objective: Exclusion : Keep oil out of Indian Slough and side channel

Implementation: Using workboat, deploy 2800ft of boom in a chevron configuration across Indian Slough, anchoring to Dike Island (Anchor C), the salt marsh island mid-channel (Anchor B), and to mainland (Anchor A). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel

Site Safety: Shallow Water; Mud/Muddy; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Contact Padilla Bay for navigation information and up-to-date landowner information.

Watercourse: Slough - can have strong wind and tidal push

Resources at Risk: Backwater Habitat, Eelgrass, Herons, Marsh, Raptors, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



Recommended Equipment

12	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
2800	Feet	Boom - B2 (Contractor Boom) or equivalent
2	Each	Bridle(s) - Towing (appropriately sized for boom)
2	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

Indian Slough (S end of Padilla Bay)

NPS-55


NPS-55 Photo: From Padilla Bay Shoreline Trail looking at largest island near Telegraph Slough.

Site Contact

Padilla Bay National Estuarine Research Reserve

Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

11068 Bayview Edison Road
Mount Vernon, WA 98273



Driving Directions

BL-NPS-136 Padilla Bay Boat Launch

1. Head north on I-5 toward Mt Vernon.
2. Bear right onto the ramp at exit 231 to WA-11 N / Chuckanut Dr toward Bow-Edison.
3. Keep left at the fork toward WA-11 N / Chuckanut Dr / Bow-Edison.
4. At the roundabout, take the third exit onto WA-11 N toward I-5 S.
5. At the roundabout, take the second exit onto Josh Wilson Rd.
6. Turn right on Bayview-Edison Rd.
7. Boat launch will be on the left.

Telegraph Slough, W end of Dike Island

NPS-56

Position - Location: 48° 27.774', -122° 29.643' 48° 27' 46.4", -122° 29' 38.6" 48.46290, -122.49405 Mt Vernon

Strategy Objective: Exclusion : Keep oil out of area behind Dike Island

Implementation: Using workboat, deploy 3100ft of boom across Telegraph Slough from Dike Island (Anchor A) to the western shore (Anchor C). Adjust boom angle and number of anchors based on environmental conditions.

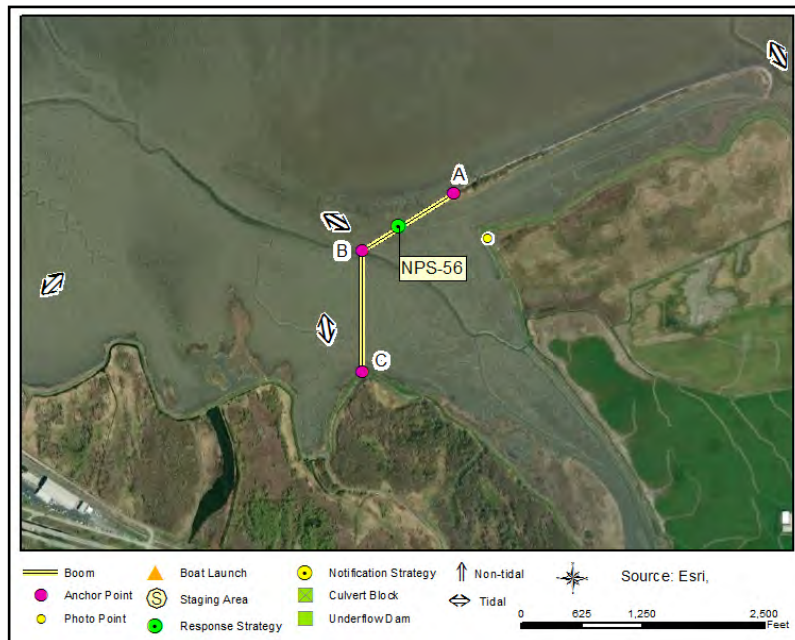
Staging Area: Remote: BL-NPS-136 Padilla Bay (Need High Tide to launch) or BL-NPS-147 Swinomish Channel

Site Safety: Shallow Water; Mud/Muddy; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Contact Padilla Bay for navigation information and up-to-date landowner information. Area is shallow and becomes a mudflat at low tide.

Watercourse: Slough - Telegraph Slough/Padilla Bay

Resources at Risk: Backwater Habitat, Eelgrass, Herons, Marsh, Raptors, Salmonids, Shorebirds, Waterfowl, Wildlife Refuge



Recommended Equipment

10	Each	Anchoring System(s) - (anchor, lines, floats)
4	Each	Anchoring System(s)- Shoreside
3100	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
2	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

Telegraph Slough, W end of Dike Island

NPS-56



NPS-56 Photo: From the bank looking across Telegraph Slough looking at the strategy location.



Site Contact

Padilla Bay National Estuarine Research Reserve

Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

11068 Bayview Edison Road
Mount Vernon, WA 98273

Driving Directions

BL-NPS-136 Padilla Bay Boat Launch

1. Head north on I-5 toward Mt Vernon.
2. Bear right onto the ramp at exit 231 to WA-11 N / Chuckanut Dr toward Bow-Edison.
3. Keep left at the fork toward WA-11 N / Chuckanut Dr / Bow-Edison.
4. At the roundabout, take the third exit onto WA-11 N toward I-5 S.
5. At the roundabout, take the second exit onto Josh Wilson Rd.
6. Turn right on Bayview-Edison Rd.
7. Boat launch will be on the left.

Swinomish Spit

NPS-57

Position - Location: 48° 27.788', -122° 30.565' 48° 27' 47.3", -122° 30' 33.9" 48.46314, -122.50941 Mount Vernon

Strategy Objective: Exclusion : Keep oil out of salt marsh habitat

Implementation: Using workboat, deploy 3100ft of boom from Swinomish Spit (Anchor A) south to point west of lumber yard (Anchor C). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-147 Swinomish Channel

Site Safety: Shallow Water; Mud/Muddy; Water Hazard; Slips, Trips, Falls

Field Notes: Contact Padilla Bay for navigation information and up-to-date landowner information.

Watercourse: Bay - Padilla Bay

Resources at Risk: Eelgrass, Marine Birds, Marsh, Salmonids, Shorebirds, Waterfowl, Wetlands



Recommended Equipment

14	Each	Anchoring System(s) - (anchor, lines, floats)
1	Each	Anchoring System(s)- Shoreside
3100	Feet	Boom - B2 (Contractor Boom) or equivalent
2	Each	Bridle(s) - Towing (appropriately sized for boom)
2	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

Swinomish Spit

NPS-57



NPS-57 Photo: From Swinomish Channel Bridge looking north toward GRP site.

Site Contact

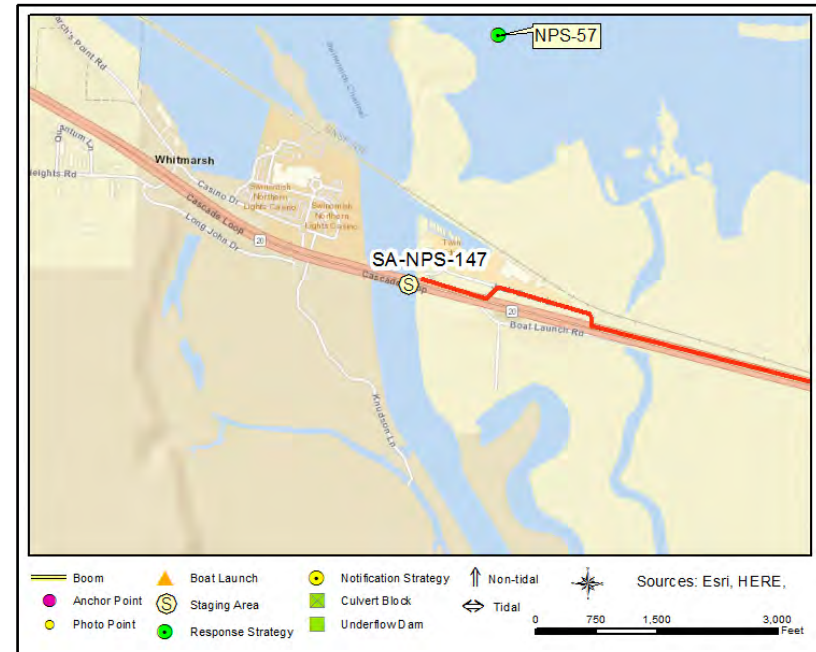
Padilla Bay National Estuarine Research Reserve

Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

10899 Josh Green Lane
Mount Vernon, WA 98273



Driving Directions

BL-NPS-147 Swinomish Channel

1. Take Interstate-5 Exit 230 in Burlington and travel west on Hwy 20 for 7.2 miles.
2. Turn right on Josh Green Lane and take immediate turn towards the left to stay on roadway. The turn for Josh Green Lane is about 0.9 miles east of the Swinomish Channel Bridge.
3. Follow Josh Green Lane for ~0.7 miles, turning left into boat launch parking area under the Hwy 20 Bridge.
4. Stage equipment in parking area and notify Skagit County Parks and Recreation Department; call 360-336-9414.

Rail Road Trestle, Whitmarsh Junction

NPS-58

Position - Location: 48° 27.700', -122° 31.379' 48° 27' 42.0", -122° 31' 22.7" 48.46167, -122.52298 Anacortes

Strategy Objective: Exclusion : Keep oil out of Whitmarsh

Implementation: Using workboat, deploy 200ft of boom in chevron configuration in front of gap in railroad trestle to lagoon. Anchor to railroad trestle. Flow through gap may be significant during tidal exchanges. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Rail Road Trestle, Whitmarsh Junction (behind Swinomish Casino)

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Active Rail Line; Water Hazard; Slips, Trips, Falls

Field Notes: Contact BNSF to work on tracks: 800-832-5452.

Watercourse: Salt Marsh - Whitmarsh

Resources at Risk: Backwater Habitat, Estuary Resources, Herons, Marsh, Raptors, Salmonids, Shorebirds, Waterfowl



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
2	Each	Bridle(s) - Piling (appropriately sized for boom)
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Rail Road Trestle, Whitmarsh Junction

NPS-58


NPS-58 Photo: From casino side of lagoon looking northeast toward trestle. Strategy would be on Padilla Bay side of trestle.



Site Contact

Swinomish Police Department

Pre-Notification Required : can assist with access
360-466-7237

Swinomish Tribe Air Monitoring

Call for Local Conditions : could provide air monitoring data
360-466-2512

Nearest Address

12885 Casino Drive
Anacortes, WA 98221

Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on S March's Point Rd (first right after Twin Bridges).
5. Turn right on Casino Dr.
6. From northwest corner of parking lot you can access the railroad tracks out to the trestle.

Salt Marsh SE Side March Point

NPS-59

Position - Location: 48° 28.007', -122° 32.269' 48° 28' .4", -122° 32' 16.1" 48.46678, -122.53781 Anacortes

Strategy Objective: Exclusion : Keep oil out of marsh

Implementation: From road, deploy 100ft of boom across channel on bay side of road. Adjust boom angle and number of anchors based on environmental conditions. Additional sorbent may be necessary within the culvert to prevent oil entrained during tidal exchanges from entering salt marsh.

Staging Area: Onsite: Stage at gravel pull off

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Road Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Pull out spot about 50 yards south of culvert. Emergency HPA required - see contact information.

Watercourse: Salt Marsh -

Resources at Risk: Herons, Marsh, Raptors, Waterfowl



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B2 (Contractor Boom) or equivalent
100	Feet	Line - 1/2" poly line

Recommended Personnel

2	Laborer
1	Supervisor

Salt Marsh SE Side March Point

NPS-59



NPS-59 Photo: From Padilla Bay side looking southwest toward road and culverts.

Site Contact

WDFW Emergency Hydraulic Project Approval
Emergency Contact :

WA
360-534-8233

Nearest Address

9494 South March Point Road
Anacortes, WA 98221



Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on S March's Point Rd (first right after Twin Bridges).
5. Turn right to stay on March's Point Rd. GRP Site is immediately on the right.

Sand Islands (E Fidalgo Island)

NPS-60

Position - Location: 48° 28.558', -122° 32.321' 48° 28' 33.5", -122° 32' 19.2" 48.47596, -122.53868 Mount Vernon

Strategy Objective: Exclusion : Keep oil out of shallow area west of Sand Islands.

Implementation: Using workboat, deploy boom from March's Point to the northernmost Sand Island. Depending on spill location, booming may be required instead in between the Sand Islands to prevent oiling in the shallow backwater area west of the Sand Islands. Strategy may need to be adjusted due to location of the spill or trajectories. Adjust the angle of boom and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-147 Swinomish Channel or Cap Sante Marina

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Water Hazard; Slips, Trips, Falls

Field Notes: Sand Islands created by dredging of Swinomish Channel- Channel can be swift during tidal cycle.

Watercourse: Bay - Padilla Bay

Resources at Risk: Forage Fish, Herons, Shorebirds, Waterfowl, Wetlands



Recommended Equipment

13	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
3000	Feet	Boom - B2 (Contractor Boom) or equivalent
2	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom
1	Each	Workboat(s) - shallow-water

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

Sand Islands (E Fidalgo Island)

NPS-60



NPS-60 Photo: From Whitmarsh Corner looking toward northernmost Sand Island.

Site Contact

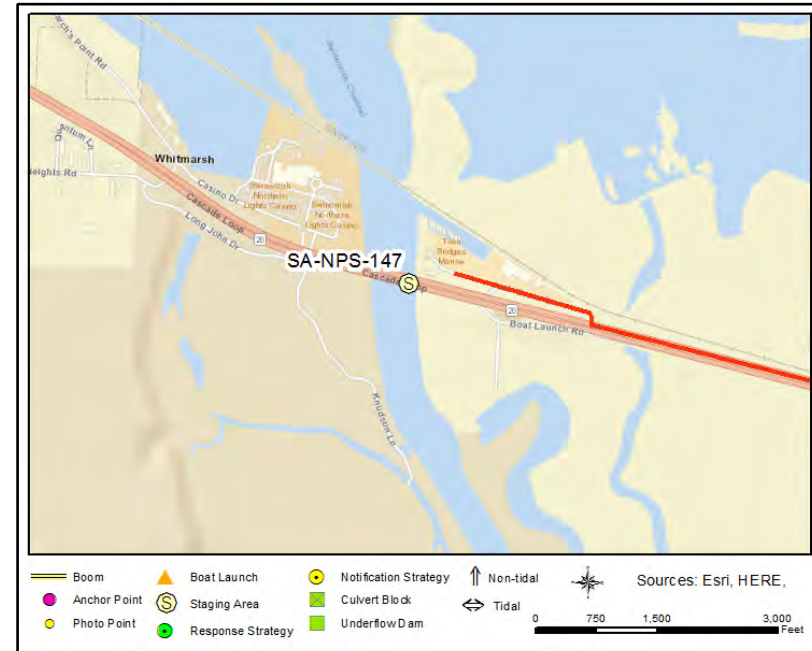
Padilla Bay National Estuarine Research Reserve

Call for Local Conditions : Local Expertise
10441 Bayview-Edison Road

360 428-1558

Nearest Address

10899 Josh Green Lane
Mount Vernon, WA 98273



Driving Directions

BL-NPS-147 Swinomish Channel

1. Take Interstate 5 Exit 230 in Burlington and travel west on Hwy 20 for 7.2 miles.
2. Turn right on Josh Green Lane and take immediate turn towards the left to stay on roadway. The turn for Josh Green Lane is about 0.9 miles east of the Swinomish Channel Bridge.
3. Follow Josh Green Lane for ~0.7 miles, turning left into boat launch parking area under the Hwy 20 Bridge.
4. Stage equipment in parking area and notify Skagit County Parks and Recreation Department; call 360-336-9414.

NE Shoreline of March Point

NPS-71

Position - Location: 48° 29.776', -122° 33.328' 48° 29' 46.6", -122° 33' 19.7" 48.49627, -122.55546 Anacortes

Strategy Objective: Exclusion : Keep oil off near shore area and beach

Implementation: Using workboat, deploy 2000ft of boom from small boat ramp on March Point (Anchor A) south along the shoreline 100-300 feet off the beach. Bring the south end of the boom back in (Anchor B) and anchor on the beach (Anchor C). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: BL-NPS-130 March Point Boat Launch

Site Safety: Rocky Shoreline; Shallow Water; Mud/Muddy; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Bay - open area where winds can be very strong

Resources at Risk: Boat Launch/Ramp, Eelgrass, Forage Fish, Herons, Marine Birds, Marsh, Raptors, Waterfowl, Wetlands



Recommended Equipment

10	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
2000	Feet	Boom - B2 (Contractor Boom) or equivalent
2	Each	Bridle(s) - Towing (appropriately sized for boom)
2	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

NE Shoreline of March Point

NPS-71



NPS-71 Photo: From Marsh's Point boat launch looking south at shoreline to protect.

Site Contact

Andeavor (Marathon) Refinery

Pre-Notification Required : Access and support (24/7 security gate)
10200 S March Point Rd

360 293 9119

Nearest Address

1000 March's Point Road
Anacortes, WA 98221



Driving Directions

BL-NPS-130 March Point

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on S March's Point Rd (first right after Twin Bridges).
5. Turn right to stay on March's Point Rd.
6. Boat launch and strategy location will be on the right near northern most extent of March Point.

NE Corner March Point

NPS-72

Position - Location:	48° 30.100', -122° 33.716'	48° 30' 6.0", -122° 33' 42.9"	48.50166, -122.56193	Anacortes
Strategy Objective:	Collection : Prevent oil from moving around March Point and collect			
Implementation:	Using workboat, deploy 1500ft of boom at an angle from March Point to collect oil moving along the beach from the west. Can use concrete blocks and metal post near road/gravel pullout for anchor. Adjust boom angle and number of anchors based on environmental conditions.			
Staging Area:	Onsite: pull-off on side of road, BL-NPS-130 March Point (around corner from strategy)			
Site Safety:	Rocky Shoreline; Shallow Water; Road Hazard; Water Hazard; Slips, Trips, Falls			
Field Notes:	Need a 0 tide or greater for boat access (boat launch on east side of March Point)			
Watercourse:	Bay - open section, where winds and currents can be strong			
Resources at Risk:	Eelgrass, Forage Fish, Herons, Marine Birds, Marsh, Raptors, Waterfowl			



Recommended Equipment

7	Each	Anchoring System(s) - (anchor, lines, floats)
1	Each	Anchoring System(s)- Shoreside
1500	Feet	Boom - B2 (Contractor Boom) or equivalent
2	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Vac Truck or Skimmer and Storage
2	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

NE Corner March Point

NPS-72



NPS-72 Photo: From Marsh's Point looking northwest toward dock. Concrete block in photo a possible anchor point.

Site Contact

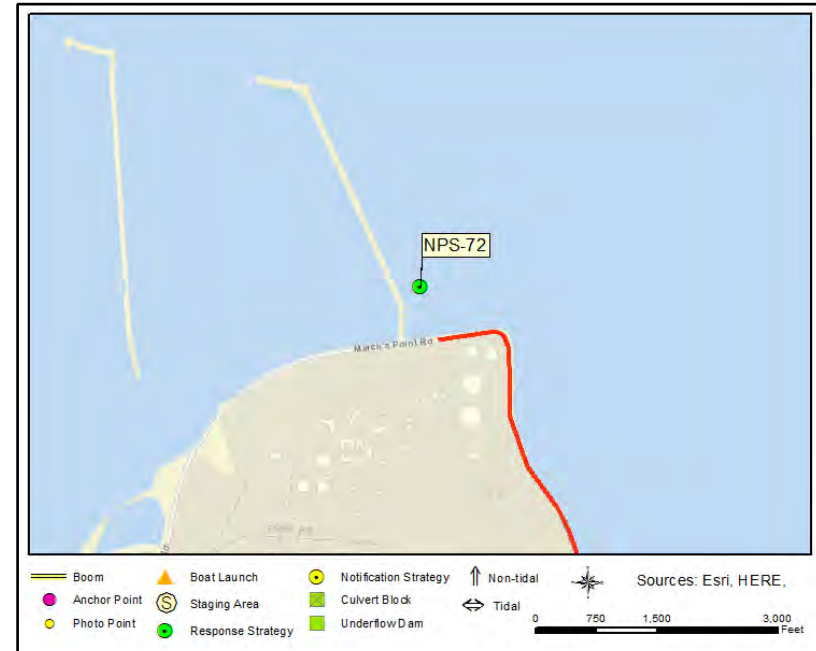
Andeavor (Marathon) Refinery

Pre-Notification Required : Access and support (24/7 security gate)
10200 S March Point Rd

360 293 9119

Nearest Address

1000 March's Point Road
Anacortes, WA 98221



Driving Directions

BL-NPS-130 March Point

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on S March's Point Rd (first right after Twin Bridges).
5. Turn right to stay on March's Point Rd.
6. Boat launch will be on the right near northern most extent of March Point. Strategy is around corner to the left.

March Pt, Tidal Lagoon N of Crandall Spit

NPS-73

Position - Location: 48° 29.623', -122° 34.646' 48° 29' 37.4", -122° 34' 38.7" 48.49371, -122.57743 Anacortes

Strategy Objective: Exclusion : Keep oil out of tidal lagoon

Implementation: From land or using workboat, deploy 200ft of boom across the entrance to Crandall Spit tidal lagoon. Do not anchor to structures on beach (not secure). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Pipeline Crossing Hazard; Rocky Shoreline; Shallow Water; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Vehicle access on March Point Road (~10019 Marchs Point Road, near W. Refinery Dock) is possible, but crossing under pipeline is difficult.

Watercourse: Lagoon - small tidal lagoon

Resources at Risk: Crabs, Eelgrass, Forage Fish, Shellfish, Waterfowl



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
100	Feet	Line - 1/2" poly line
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

March Pt, Tidal Lagoon N of Crandall Spit

NPS-73


NPS-73 Photo: From Marsh's Point on north spit looking southwest at opening.

Site Contact

Puget Sound Refinery

Pre-Notification Required : provide land access

360-293-0800

Nearest Address

501 3rd St
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

March PT., Crandall Spit

NPS-74

Position - Location: 48° 29.313', -122° 34.804' 48° 29' 18.8", -122° 34' 48.3" 48.48855, -122.58007 Anacortes

Strategy Objective: Exclusion : Keep oil out of cove between Crandall Spit and refinery campground

Implementation: Using workboat, deploy 1400ft of boom from SE end of the spit (Anchor A) toward the refinery campground (Anchor B) and anchor. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Launch from Anacortes, but can stage in gravel lot near Crandall Spit.

Site Safety: Shallow Water; Mud/Muddy; Water Hazard; Slips, Trips, Falls

Field Notes: Requires a +5 rising tide.

Watercourse: Cove - small cove with muddy bottom

Resources at Risk: Crabs, Eelgrass, Forage Fish, Shellfish, Shorebirds, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1400 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

March PT., Crandall Spit

NPS-74


NPS-74 Photo: Aerial shot looking northeast toward March Point.

Site Contact

Puget Sound Refinery

Pre-Notification Required : provide land access

360-293-0800

Nearest Address

10019 Marchs Point Road
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp or Strategy Site:

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.

To Strategy:

4. Turn right on Marchs Point Road. Strategy location will be in first large gravel lot on the left (past the trestle).

To Boat Ramp:

4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Causeway Across Fidalgo Bay

NPS-75

Position - Location:	48° 28.763', -122° 34.561'	48° 28' 45.8", -122° 34' 33.7"	48.47939, -122.57602	Anacortes
Strategy Objective:	Containment, Exclusion : Prevent oil from entering south Fidalgo Bay or moving north if spill is south of the trestle			
Implementation:	Using workboat, deploy 2300ft of boom in a chevron configuration across the causeway opening. Recommend double anchors, as well as anchoring to the the railroad trestle and pilings in mid-channel. The tidal current is extremely strong in this area. Avoid anchoring boom near the submerged shipwreck along the eastern shore. Adjust boom angle and number of anchors based on environmental conditions.			
Staging Area:	Remote: BL-NPS-134 Fidalgo Bay Resort			
Site Safety:	Submerged Barge; Rocky Shoreline; Shallow Water; Mud/Muddy; Logs and Debris; Piling Hazard; Old Rail Line; Water Hazard; Slips,			
Field Notes:	Vehicle access on March Point Road, small pull out near abandoned train line, near south bank of bike path. This area is extremely shallow and becomes a mud flat at low tide.			
Watercourse:	Bay - Fidalgo Bay			
Resources at Risk:	City Park, Crabs, Eelgrass, Forage Fish, Herons, Marine Birds, Marsh, Shellfish, Waterfowl			



Recommended Equipment

1 Each	Anchoring Post(s) - (shoreside)
10 Each	Anchoring System(s) - (anchor, lines, floats)
2300 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Bridge Pier (appropriately sized for boom)
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

Causeway Across Fidalgo Bay

NPS-75


NPS-75 Photo: From Marsh's Point side of trestle looking southwest over mudflat on east anchor point side of strategy.

Site Contact

Samish Indian Nation

Pre-Notification Required :
360-293-6404

Puget Sound Refinery

Pre-Notification Required : provide land access
360-293-0800

Nearest Address

10007 Marchs Point Road
Anacortes, WA 98221



Driving Directions

BL-NPS-134 Fidalgo Bay Resort

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes. Stay in right lane to bypass roundabout and continue on Hwy-20.
4. Turn right on Fidalgo Bay Rd (first right after roundabout).
5. Turn right on Weaverling Rd. Boat launch through parking lot, after crossing Tommy Thompson Trail.

Fidalgo Bay, Weaverling Spit

NPS-76

Position - Location: 48° 29.045', -122° 35.379' 48° 29' 2.7", -122° 35' 22.7" 48.48409, -122.58965 Anacortes

Strategy Objective: Exclusion : Keep oil away from Weaverling Spit

Implementation: Using workboats, deploy 4000ft of boom, with a 1000' leg from the railroad causeway to the tip of Weaverling Spit, and a 3000' leg from the tip of the spit to the beach near Highway 20. Contact the Samish Nation for location of oyster and eelgrass beds nearshore in the vicinity of this strategy. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: BL-NPS-134 Fidalgo Bay Resort

Site Safety: Rocky Shoreline; Shallow Water; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Bay - Fidalgo Bay

Resources at Risk: Crabs, Eelgrass, Forage Fish, Raptors, Shellfish, Tribal Lands/Resources, Waterfowl



Recommended Equipment

10 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
4000 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

Fidalgo Bay, Weaverling Spit

NPS-76


NPS-76 Photo: Northwest anchor point



Site Contact

Samish Indian Nation

Pre-Notification Required :

360-293-6404

Nearest Address

4701 Fidalgo Bay Road
Anacortes, WA 98221

Driving Directions

BL-NPS-134 Fidalgo Bay Resort

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes. Stay in right lane to bypass roundabout and continue on Hwy-20.
4. Turn right on Fidalgo Bay Rd (first right after roundabout).
5. Turn right on Weaverling Rd. Boat launch through parking lot, after crossing Tommy Thompson Trail.

Custom Plywood Mitigation Site

NPS-77

Position - Location:	48° 29.573', -122° 35.998'	48° 29' 34.4", -122° 35' 59.9"	48.49288, -122.59997	Anacortes
Strategy Objective:	Exclusion : Keep oil off restored beach			
Implementation:	Using workboat, deploy 400ft of boom from rocky shoreline to the south along the Tommy Thompson trail (Anchor C) north toward the jetty (Anchor A). Adjust boom angle and number of anchors based on environmental conditions.			
Staging Area:	Remote: BL-NPS-134 Fidalgo Bay Resort			
Site Safety:	Rocky Shoreline; Shallow Water; Water Hazard; Slips, Trips, Falls			
Field Notes:	Ecology Toxics Cleanup Site			
Watercourse:	Bay - Fidalgo Bay			
Resources at Risk:	City Park, Eelgrass, Forage Fish, Habitat Restoration Site, Marine Mammals, Marsh, Raptors			



Recommended Equipment

2	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
400	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Custom Plywood Mitigation Site

NPS-77



NPS-77 Photo: From drone looking toward the former Custom Plywood Restoration Site

Site Contact

No Information
Not Determined :

Nearest Address

Weaverling Road
Anacortes, WA 98221



Driving Directions

BL-NPS-134 Fidalgo Bay Resort

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes. Stay in right lane to bypass roundabout and continue on Hwy-20.
4. Turn right on Fidalgo Bay Rd (first right after roundabout).
5. Turn right on Weaverling Rd. Boat launch through parking lot, after crossing Tommy Thompson Trail.

Strategy Location:

6. To continue to strategy location, continue on Fidalgo Bay Road.
7. Turn right on V Ave.
8. Take an immediate right on 34th Street. Strategy location is down Tommy Thompson Trail on the right.

Cap Sante Park

NPS-78

Position - Location: 48° 30.572', -122° 36.282' 48° 30' 34.3", -122° 36' 16.9" 48.50953, -122.60470 Anacortes

Strategy Objective: Collection, Exclusion : Keep oil from entering Cap Sante Marina and collect on beach

Implementation: Using workboat, deploy 1800ft of boom from south end of Seafarers Park (Anchor F), around southern jetty (Anchor E and D), north toward middle jetty (Anchor C), attach to piling Green #5 (Anchor B), then across entrance of Cap Sante Marina anchoring to northern jetty (Anchor A). Vac trucks can be deployed at Gazebo near Cap Sante trail (north of marina) or in parking lot near southern portion of beach at Seafarers Park (south of marina). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Launch from BL-NPS-119 Port of Anacortes Commercial Ramp, stage at SA-NPS-120 Cap Sante Marina

Site Safety: Rocky Shoreline; Logs and Debris; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Gravel lots for staging north and west of marina, walking path to east end of north jetty starts at the northeast portion of the marina-paved trail accessible by vehicle.

Watercourse: Cove - small pocket beach near marina opening, many submerged rocks in area

Resources at Risk: City Park, Crabs, Eelgrass, Forage Fish, Habitat Restoration Site/Project, Marina, Shellfish, Waterfowl



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1800 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Piling (appropriately sized for boom)
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2 Boat Operator
6 Laborer
1 Supervisor

Cap Sante Park

NPS-78


NPS-78 Photo: From Cap Sante looking southwest and down at Cap Sante Marina and beach.

Site Contact

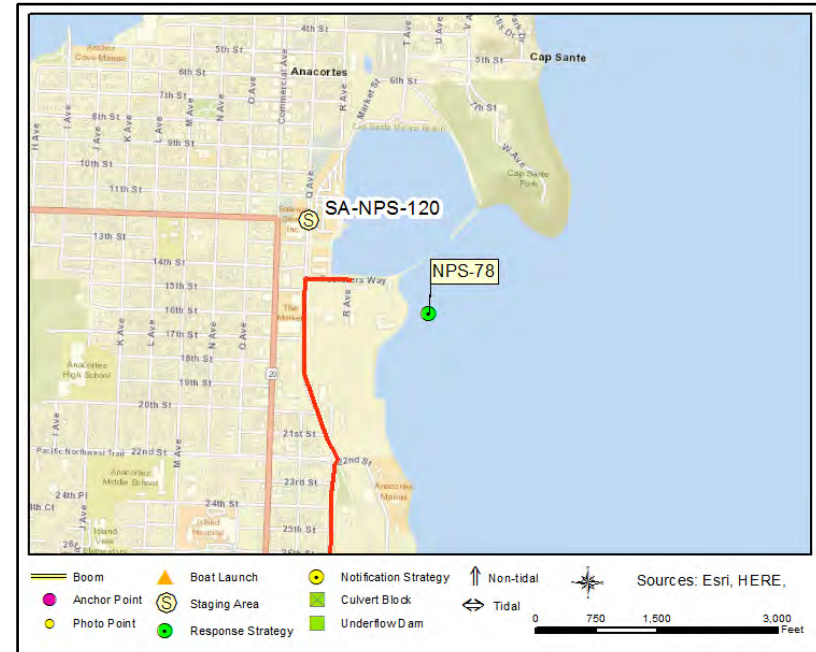
Cap Sante Marina

Primary Contact : Property Owner

360-293-0694

Nearest Address

715 Seafarers Way
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp and Cap Sante Marina directions:

1. Head north on I-5 toward Mt. Vernon.
 2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
 3. Take a left onto WA-20 W, continuing toward Anacortes.
 4. Turn right on R Ave.
 5. At the roundabout, take the second exit to continue on R Ave.
 6. CAP SANTE MARINA is on the right (Seafarers Way), with gravel lots continuing to the right as you continue on R.
- Continue on R to the Port of Anacortes Commercial Ramp:
7. Turn right on 4th St.
 7. Turn left on T Ave.
 8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Wyman's Aquatic Habitat Mitigation Site

NPS-79

Position - Location: 48° 31.268', -122° 36.308' 48° 31' 16.1", -122° 36' 18.5" 48.52114, -122.60514 Anacortes

Strategy Objective: Exclusion : Keep oil out of restored salt marsh

Implementation: Using workboat, deploy 300ft of boom across salt marsh opening. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Stage at Port of Anacortes Commercial Ramp, directly west of strategy location

Site Safety: Rocky Shoreline; Shallow Water; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Salt Marsh - Restored Salt Marsh

Resources at Risk: Boat Launch/Ramp, Crabs, Habitat Restoration and Mitigation Site, Kelp Beds, Marine Birds, Shellfish



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
300	Feet	Boom - B2 (Contractor Boom) or equivalent
1	Each	Bridle(s) - Towing (appropriately sized for boom)
1	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
2	Laborer
1	Supervisor

Wyman's Aquatic Habitat Mitigation Site

NPS-79


NPS-79 Photo: From boat launch at remediation site looking east toward beach.

Site Contact

Port of Anacortes

Primary Contact : Neighboring Property

360-293-3134

Nearest Address

501 3rd St
Anacortes, WA 98221



Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp and strategy location are behind restaurant.

Second Pocket Beach on N Side of Fidalgo Island

NPS-80

Position - Location: 48° 31.240', -122° 36.999' 48° 31' 14.4", -122° 36' 59.9" 48.52066, -122.61665 Anacortes

Strategy Objective: Exclusion : Keep oil off of the pocket beach

Implementation: Using workboat, deploy 800ft of boom in a chevron to protect pocket beach at Curtis Warf. Anchor on rip-rap on either side of beach. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Shallow Water; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Cove - gravel beach, restoration site

Resources at Risk: Forage Fish, Habitat Restoration and Mitigation Site



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
800 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
3 Laborer
1 Supervisor

Second Pocket Beach on N Side of Fidalgo Island

NPS-80



NPS-80 Photo: From water looking south toward Curtis Warf in Anacortes.



Site Contact

Port of Anacortes

Municipality (County/City) : Neighboring Property

360-293-3134

Nearest Address

202 O Avenue
Anacortes, WA 98221

Driving Directions

To Site:

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes. Bypass first roundabout in right lane to continue to Anacortes.
4. In Anacortes, take first exit in roundabout toward the ferry terminal/downtown.
5. Turn left on 3rd Ave.
6. Turn right on N Ave, park should be straight ahead.
7. BL-NPS-119 Port of Anacortes Commercial Ramp
8. Turn right on R Ave.
9. At the roundabout, take the second exit onto R Ave.
10. Turn right on 4th St.
11. Turn left on T Ave.
12. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Pocket Beach on N Side of Fidalgo Island

NPS-81

Position - Location: 48° 31.099', -122° 37.507' 48° 31' 6.0", -122° 37' 30.4" 48.51832, -122.62512 Anacortes

Strategy Objective: Exclusion : Keep oil off of the pocket beach and restoration site

Implementation: Using workboat, deploy 600ft of boom in a chevron along shore of pocket beach at the ferry terminal (Guemes Island ferry). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Launch from BL-NPS-119 Port of Anacortes Commercial Ramp or Anacortes

Site Safety: Cable Crossing Hazard; Ferry Traffic; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: CAUTION: Cable crossing area- do not deploy anchor systems in cable area

Watercourse: Cove - small cove with restoration site

Resources at Risk: City Park, Eelgrass, Forage Fish, Habitat Restoration and Mitigation Site, Public Lands/Facilities



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
600 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Pocket Beach on N Side of Fidalgo Island

NPS-81


NPS-81 Photo: From water looking south toward Guemes Island Ferry, Anacortes side, at pocket beach below Kiwanas Park.

Site Contact

No Information
Not Determined :

Nearest Address

1705 6th Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

To strategy location:

4. At roundabout in Anacortes, take the first exit for Commercial Ave.
5. Turn left on 6th Street. Follow until the Guemes Island Ferry Terminal (on the right). Park is just after the terminal.

Ship Harbor

NPS-82

Position - Location: 48° 30.319', -122° 40.447' 48° 30' 19.2", -122° 40' 26.8" 48.50532, -122.67412 Anacortes

Strategy Objective: Exclusion : Keep oil out of Ship Harbor

Implementation: Using workboat, deploy 2200ft of boom from pilings at the ferry terminal (Anchor D) to where road comes down to shore southeast of the terminal (Anchor A). Best practice is to deploy 100ft of boom perpendicular from shore (Anchor D to C), extend the boom southeast toward road (Anchor B), then pull remaining 100ft of boom back perpendicular to shore (Anchor A). Anchor offshore, not to pilings. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-128 Washington Park (Anacortes)

Site Safety: Rocky Shoreline; Shallow Water; Logs and Debris; Piling Hazard; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Cove - mud flat at low tide

Resources at Risk: Crabs, Eelgrass, Forage Fish, Herons, Marine Birds, Mud Flat(s), Public Lands/Facilities, Shellfish, Shorebirds, Waterfowl



Recommended Equipment

10	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
2200	Feet	Boom - B2 (Contractor Boom) or equivalent
2	Each	Bridle(s) - Towing (appropriately sized for boom)
2	Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

Ship Harbor

NPS-82


NPS-82 Photo: From water looking just east of the ferry terminal.

Site Contact

Washington State Ferries

Primary Contact : Operations Watch Officer

WA
206-515-3456

Nearest Address

6300 Sunset Ave
Anacortes, WA 98221



Driving Directions

BL-NPS-128 Washington Park

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. In Anacortes, take first exit in roundabout for Commercial Ave.
5. Take a left on 12th street (Hwy 20), toward the ferry terminals.
6. Bear left, continuing on Sunset Ave past the ferry terminals (For strategy location, bear right and continue to ferry terminal parking lot).
7. Follow signs in the park to the boat launch and parking.

NW Fidalgo Island, Sunset Beach

NPS-84

Position - Location: 48° 30.078', -122° 41.548' 48° 30' 4.7", -122° 41' 32.9" 48.50130, -122.69246 Anacortes

Strategy Objective: Exclusion : Keep oil off of Sunset Beach

Implementation: Using worboat, deploy 1100ft of boom from the rocky shoreline on the NE portion of the beach (Anchor A) toward the SW rocky shoreline of the beach (Anchor B). Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: BL-NPS-128 Washington Park (Anacortes)

Site Safety: Cable Crossing Hazard; Ferry Traffic; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: CABLE CROSSING- do not anchor near cable crossing (signs on beach)

Watercourse: Cove - Public Beach on Guemes Channel

Resources at Risk: Boat Launch/Ramp, City Park, Forage Fish



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1100 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

NW Fidalgo Island, Sunset Beach

NPS-84



NPS-84 Photo: From water looking south toward Washington Park and Sunset Beach on Fidalgo Island.

Site Contact

City of Anacortes

Pre-Notification Required : Call for local information

Anacortes, WA

Nearest Address

6300 Sunset Avenue
Anacortes, WA 98221



Driving Directions

BL-NPS-128 Washington Park

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. In Anacortes, take first exit in roundabout for Commercial Ave.
5. Take a left on 12th street (Hwy 20), toward the ferry terminals.
6. Bear left, continuing on Sunset Ave past the ferry terminals.
7. Follow signs in the park to the boat launch and parking.

Swinomish Channel (south of Hwy 20 bridge)

NPS-91

Position - Location: 48° 27.074', -122° 30.842' 48° 27' 4.5", -122° 30' 50.5" 48.45124, -122.51403 Anacortes

Strategy Objective: Collection : Keep oil from moving into the Swinomish Channel.

Implementation: Using workboat, deploy 1200ft of boom across Swinomish Channel from west bank of channel (Anchor B) north to the east bank (Anchor A). Collect on west bank of channel when the water is flowing south. Extreme tidal influence on both current and depth. Adjust boom angle and number of anchors based on environmental conditions. DO NOT ANCHOR IN PIPELINE AREA.

Staging Area: Onsite: BL-NPS-147 Swinomish Channel

Site Safety: Swift Currents; Cable Crossing Hazard; Pipeline Hazard; Shallow Water/Submerged Objects; Mud/Muddy; Piling Hazard; Rail Line; Slips,

Field Notes: Vac Truck access from gravel road on west bank.

Watercourse: Slough - Swinomish Channel

Resources at Risk: Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Wetlands



● Response Strategy ■ Boom ⇄ Tidal
● Anchor Point

0 185 370 740 Feet
World Imagery: Maxar

Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1200 Feet	Boom - B3 (River Boom) or equivalent
1 Each	Bridle(s) - Piling (appropriately sized for boom)
2 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Vac Truck or Skimmer and Storage (if collection)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Swinomish Channel (south of Hwy 20 bridge)

NPS-91



NPS-91 Photo: From drone, looking north toward Hwy 20 Twin Bridges.

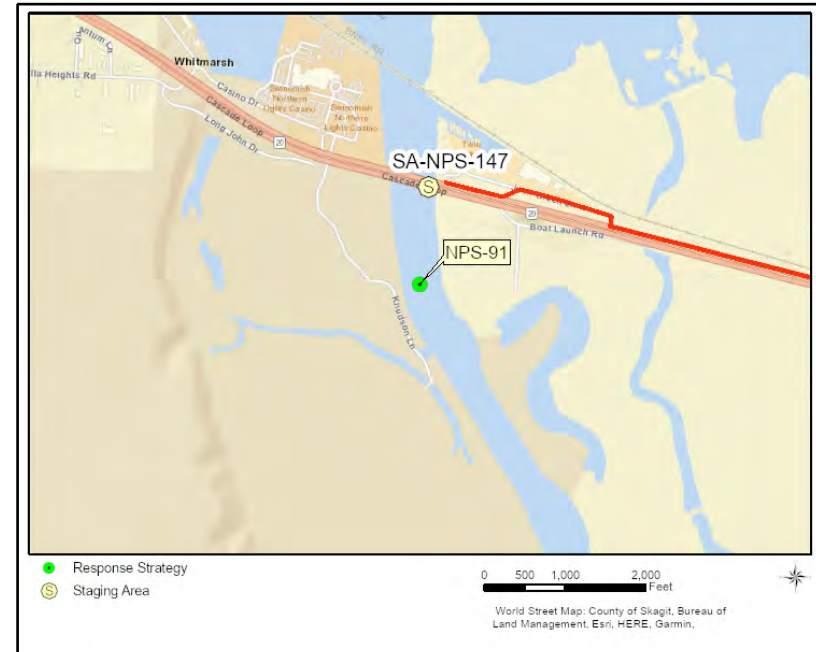
Site Contact

Swinomish Police Department

Primary Contact : can assist with access
17353 Reservation Rd
La Conner, WA 98257
360-466-7237

Nearest Address

12885 Casino Drive
Anacortes, WA 98221



Driving Directions

BL-NPS-147 Swinomish Channel

1. Take Interstate-5 Exit 230 in Burlington and travel west on Hwy 20 for 7.2 miles.
2. Turn right on Josh Green Lane and take immediate turn towards the left to stay on roadway. The turn for Josh Green Lane is about 0.9 miles east of the Swinomish Channel Bridge.
3. Follow Josh Green Lane for ~0.7 miles, turning left into boat launch parking area under the Hwy 20 Bridge.

North Tide Gate on W side of Swinomish Channel

NPS-92

Position - Location: 48° 26.944', -122° 30.807' 48° 26' 56.6", -122° 30' 48.4" 48.44906, -122.51345 Anacortes

Strategy Objective: Exclusion : Keep oil out of wetland area

Implementation: From Dike Rd, deploy 200ft of boom across wetland opening, outside of log boom. Extend boom south across opening from Anchor A to Anchor B, securing boom to shore. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Stage at Dike Rd, south of Hwy 20

Site Safety: Rocky Shoreline; Mud/Muddy; Log Boom Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Mouth of wetland area may have log boom installed: use caution. Tidal gate along shore west of wetland area.

Watercourse: Slough - Swinomish Channel

Resources at Risk: Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Waterfowl, Wetlands



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
100	Feet	Line - 1/2" poly line

Recommended Personnel

2	Laborer
1	Supervisor

North Tide Gate on W side of Swinomish Channel

NPS-92



NPS-92 Photo: From north side of wetland opening looking toward Swinomish Channel. Note existing log boom just inside rocky shoreline.

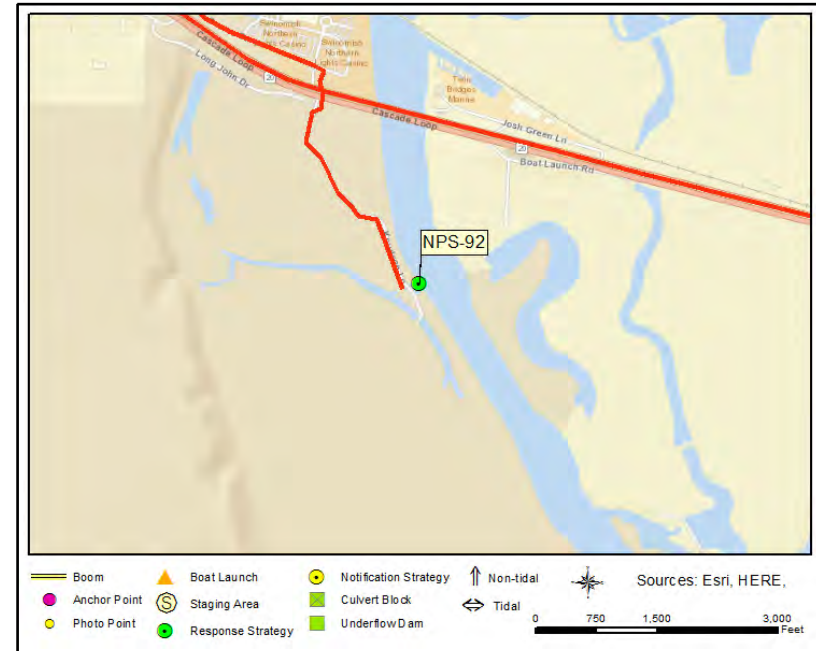
Site Contact

Swinomish Police Department

Police Department/Sheriff : can assist with access
17353 Reservation Rd
La Conner, WA 98257
360-466-7237

Nearest Address

12911 Casino Dr
Anacortes, WA 98221



Driving Directions

1. Head N on I-5.
2. At exit 230 bear right onto ramp toward Burlington (WA-20) / Anacortes.
3. Turn left onto WA-20 W toward Anacortes (Cascade Loop).
4. After Twin Bridges, turn right on March's Point Rd and immediately turn right on Casino Dr.
5. Take the second exit on the roundabout.
6. Turn right after the roundabout and pass under highway (dirt road).
7. Drive down Dike Rd until you reach the strategy location on your left.

Swinomish Channel

NPS-93

Position - Location: 48° 26.460', -122° 30.203' 48° 26' 27.6", -122° 30' 12.2" 48.44100, -122.50338 La Conner

Strategy Objective: Exclusion : Keep oil out of Blind, Telegraph, and Higgins Sloughs

Implementation: Using workboat, deploy 500ft of boom across entrance to Blind, Telegraph, and Higgins Sloughs. Extend boom south across opening from Anchor A to Anchor B, securing boom to shore. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Stage at Dike Road on east shore of Swinomish Channel, launch from Swinomish Channel boat launch

Site Safety: Mud/Muddy; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Slough - Swinomish Channel

Resources at Risk: Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Waterfowl, Wetlands



Recommended Equipment

4 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Swinomish Channel

NPS-93



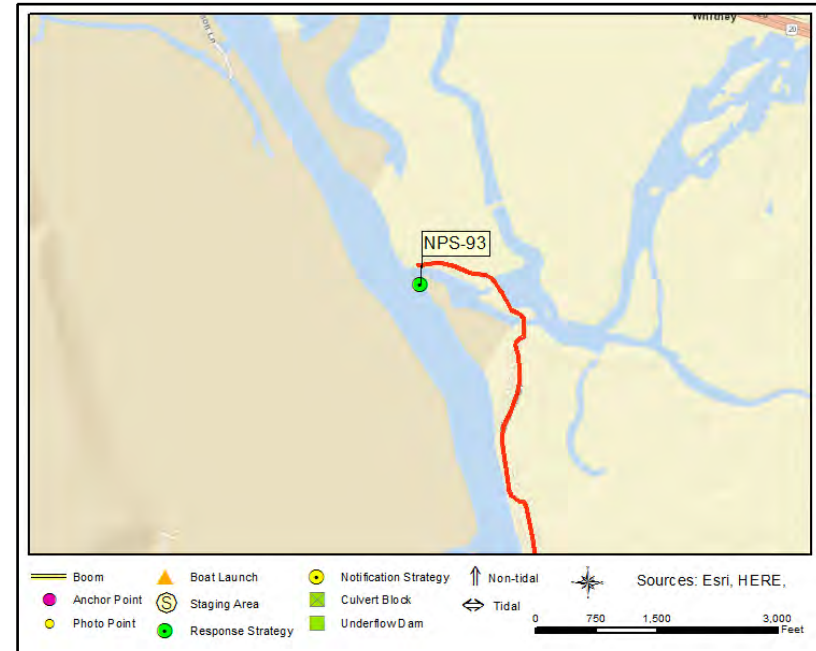
NPS-93 Photo: From the water, looking east at entrance to sloughs.

Site Contact

No Information
Not Determined :

Nearest Address

14446 Channel Drive
La Conner, WA 98257



Driving Directions

DIRECTIONS TO DIKE ROAD

1. Head N on I-5.
2. At exit 230 bear right onto ramp toward Burlington (WA-20) / Anacortes.
3. Turn left onto WA-20 W toward Anacortes (Cascade Loop).
4. Turn left on LaConner Whitney Rd.
5. Turn right on Downey Rd.
6. Downey Rd becomes Channel Dr at the right bend near Swinomish Channel.
7. Stay on Channel Dr until after you've passed all the houses. There will be a small bridge over Telegraph slough and the road will bend left. Pull off near anchor point A before the road meets back up with Swinomish Channel and turns right.

DIRECTIONS TO BL-NPS-147 SWINOMISH CHANNEL BOAT LAUNCH

4. Exit Hwy 20 on Josh Green Lane before the Hwy 20 Twin Bridges.
5. Make a left toward the Swinomish Channel Boat launch under the Twin Bridges on the east side of the channel.

Central Tide Gate on W side of Swinomish Channel

NPS-94

Position - Location: 48° 26.107', -122° 30.099' 48° 26' 6.4", -122° 30' 5.9" 48.43511, -122.50165 Anacortes

Strategy Objective: Exclusion : Keep oil out of wetland area

Implementation: From Dike Rd, deploy 200ft of boom across wetland opening, outside of log boom. Extend boom south across opening from Anchor A to Anchor B, securing boom to shore. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Stage at Dike Rd, south of Hwy 20

Site Safety: Rocky Shoreline; Mud/Muddy; Log Boom Hazard; Water Hazard; Slips, Trips, Falls

Field Notes: Mouth of wetland area may have log boom installed: use caution. Tidal gate along shore west of wetland area.

Watercourse: Slough - Swinomish Channel

Resources at Risk: Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Waterfowl, Wetlands



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
200	Feet	Boom - B2 (Contractor Boom) or equivalent
100	Feet	Line - 1/2" poly line

Recommended Personnel

2	Laborer
1	Supervisor

Central Tide Gate on W side of Swinomish Channel

NPS-94



NPS-94 Photo: From north side of wetland opening looking toward Swinomish Channel. Note existing log boom, bottom right.

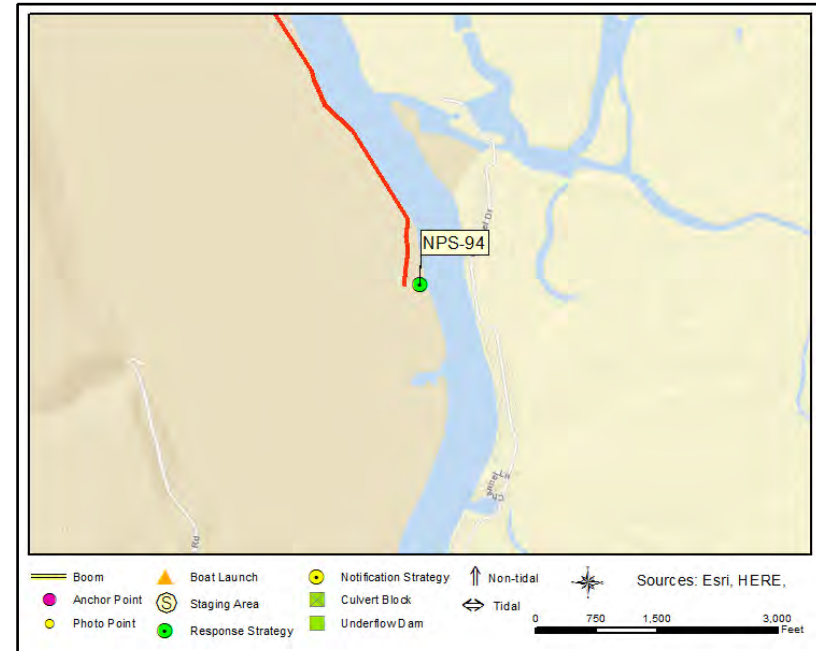
Site Contact

Swinomish Police Department

Tribal Contact : can assist with access
17353 Reservation Rd
La Conner, WA 98257
360-466-7237

Nearest Address

12911 Casino Dr
Anacortes, WA 98221



Driving Directions

1. Head N on I-5.
2. At exit 230 bear right onto ramp toward Burlington (WA-20) / Anacortes.
3. Turn left onto WA-20 W toward Anacortes (Cascade Loop).
4. Turn right on March's Point Rd and immediately turn right on Casino Dr.
5. Take second exit in the roundabout.
6. Turn right after the roundabout and pass under highway (dirt road).
7. Drive down Dike Rd until you reach the strategy location on your left.

South Tide Gate on W side of Swinomish Channel

NPS-95

Position - Location: 48° 25.928', -122° 30.034' 48° 25' 55.7", -122° 30' 2.1" 48.43214, -122.50057 Anacortes

Strategy Objective: Exclusion : Keep oil out of wetland area

Implementation: From Dike Rd, deploy 100ft of boom across wetland opening, outside of log boom. Extend boom south across opening from Anchor A to Anchor B, securing boom to shore. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Stage at Dike Rd, south of Hwy 20

Site Safety: Rocky Shoreline; Mud/Muddy; Log Boom Hazard; Uneven Surfaces; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Slough - Swinomish Channel

Resources at Risk: Forage Fish, Marsh, Salmonids, Shorebirds, Tribal Lands/Resources, Waterfowl, Wetlands



Recommended Equipment

1	Each	Anchoring System(s) - (anchor, lines, floats)
2	Each	Anchoring System(s)- Shoreside
100	Feet	Boom - B2 (Contractor Boom) or equivalent
100	Feet	Line - 1/2" poly line

Recommended Personnel

2	Laborer
1	Supervisor

South Tide Gate on W side of Swinomish Channel

NPS-95



NPS-95 Photo: From north bank, looking south at wetland opening.

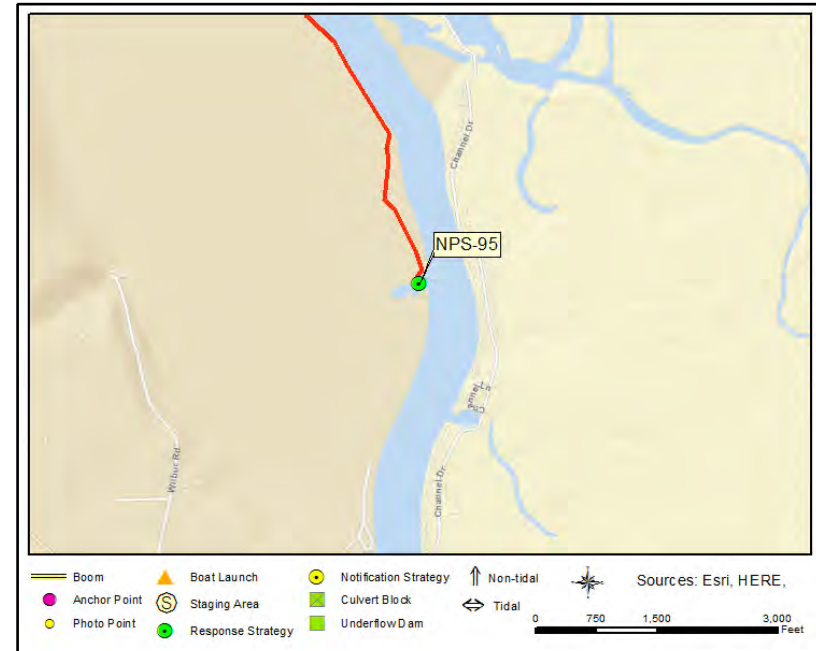
Site Contact

Swinomish Police Department

Tribal Contact : can assist with access
17353 Reservation Rd
La Conner, WA 98257
360-466-7237

Nearest Address

12911 Casino Dr
Anacortes, WA 98221



Driving Directions

1. Head N on I-5.
2. At exit 230 bear right onto ramp toward Burlington (WA-20) / Anacortes.
3. Turn left onto WA-20 W toward Anacortes (Cascade Loop).
4. After Twin Bridges, turn right on March's Point Rd and immediately turn right on Casino Dr.
5. Take the second exit on the roundabout.
6. Turn right after the roundabout and pass under highway.
7. Drive down Dike Rd until you reach the strategy location on your left.

Urchin Rocks (NW of Bowman Bay and Deception Pass)

NPS-101

Position - Location: 48° 25.063', -122° 39.923' 48° 25' 3.8", -122° 39' 55.4" 48.41771, -122.66538 Anacortes

Strategy Objective: Exclusion : Keep oil out of tide pools and Urchin Rocks

Implementation: Using workboats, deploy 1900ft of boom from Rosario Beach (Anchor A), out to and around Urchin Rocks (Anchor B and Anchor C), and back to the west side of Rosario Head (Anchor D) to protect the tide pools on the north shore of Rosario Head. This area is exposed to southerly and westerly weather. Fall back and protect as much of Urchin Rocks and the tide pools as possible if the strategy cannot be deployed as described. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-164 Deception Pass State Park (Bowman Bay) or Anacortes

Site Safety: Rocky Shoreline; Uneven Surfaces; Water Hazard; Slips, Trips, and Falls

Field Notes:

Watercourse: Bay - Bowman Bay

Resources at Risk: Forage Fish, Kelp Beds, Marine Birds, Marine Mammals, Shellfish, State Park, Tidal Pools, Waterfowl



Recommended Equipment

8 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1900 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

Urchin Rocks (NW of Bowman Bay and Deception Pass)

NPS-101


NPS-101 Photo: Looking northeast towards Rosario Beach with Urchin Rocks in the foreground.

Site Contact

Washington State Parks and Recreation Commission
Primary Contact : Deception Pass State Park

WA
360-675-3767

Nearest Address

4380 Bowman Bay Road
Anacortes, WA 98221



Driving Directions

BL/SA-NC-164 Deception Pass State Park (Bowman Bay)

1. Head north on I-5.
2. At exit 230 bear right onto ramp toward Burlington (WA-20) / Anacortes.
3. Take a left onto WA-20 W, heading towards Anacortes.
4. At roundabout take second exit, heading towards Oak Harbor.
5. At roundabout, take the second exit to proceed on WA-20 N (Cascade Loop).
6. Turn right on Rosario Rd after Pass Lake.
7. Take an immediate left onto Bowman Bay Rd.
7. At stop sign at the bottom of the hill, make a left toward the gravel lot. Boat ramp is on the far side of the gravel lot.

Bowman Bay and Sharpe Cove

NPS-102

Position - Location: 48° 24.733', -122° 39.494' 48° 24' 44.0", -122° 39' 29.7" 48.41221, -122.65824 Anacortes

Strategy Objective: Exclusion : Keep oil out of Bowman Bay and Sharpe Cove

Implementation: Using workboats, deploy 1900ft of boom in a chevron configuration across the entrance to Bowman Bay from Rosario Head (Anchor A) to the northwest corner of Reservation Head (Anchor C). Run the boom between Gull Rocks and Coffin Rocks. This area is exposed to southerly and westerly weather, fall back and protect as much of the bay and cove as possible if the strategy cannot be deployed as described. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: BL-NPS-164 Deception Pass State Park (Bowman Bay) or Anacortes

Site Safety: Rocky Shoreline; Uneven Surfaces; Water Hazard; Slips, Trips, Falls

Field Notes:

Watercourse: Bay - Bowman Bay

Resources at Risk: Eelgrass, Forage Fish, Kelp Beds, Marine Birds, Marine Mammals, State Park, Waterfowl



Recommended Equipment

8 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1900 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
6	Laborer
1	Supervisor

Bowman Bay and Sharpe Cove

NPS-102


NPS-102 Photo: From water, looking north towards Anchor Point A at Rosario Head.

Site Contact

Washington State Parks and Recreation Commission
Primary Contact : Deception Pass State Park

WA
360-675-3767

Nearest Address

4598 Bowman Bay Road
Anacortes, WA 98221



Driving Directions

BL/SA-NC-164 Deception Pass State Park (Bowman Bay)

1. Head north on I-5.
2. At exit 230 bear right onto ramp toward Burlington (WA-20) / Anacortes.
3. Take a left onto WA-20 W, heading towards Anacortes.
4. At roundabout take second exit, heading towards Oak Harbor.
5. At roundabout, take the second exit to proceed on WA-20 N (Cascade Loop).
6. Turn right on Rosario Rd after Pass Lake.
7. Take an immediate left onto Bowman Bay Rd.
7. At stop sign at the bottom of the hill, make a left toward the gravel lot. Boat ramp is on the far side of the gravel lot.

Lottie Bay (Bowman Bay/Deception Pass)

NPS-103

Position - Location: 48° 24.514', -122° 39.058' 48° 24' 30.9", -122° 39' 3.5" 48.40857, -122.65097 Anacortes

Strategy Objective: Exclusion : Keep oil out of Lottie Bay.

Implementation: Using workboats, deploy 400ft of boom across opening of cove. Deploy boom with the tide/current. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Onsite: Deception Pass State Park - Bowman Bay

Site Safety: Slips, Trips, and Falls; Shallow Rocky Water; Water Hazard; Strong Current at Bridge

Field Notes: Avoid shallow rocks near anchor points A & B. Keep boom outside of kelp beds.

Watercourse: Bay - Lottie Bay

Resources at Risk: Eelgrass, Habitat Restoration Site/Project, Marine Birds, Marine Mammals, Raptors, Shellfish, State Park, Waterfowl



Recommended Equipment

2 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1 Boat Operator
2 Laborer
1 Supervisor

Lottie Bay (Bowman Bay/Deception Pass)

NPS-103

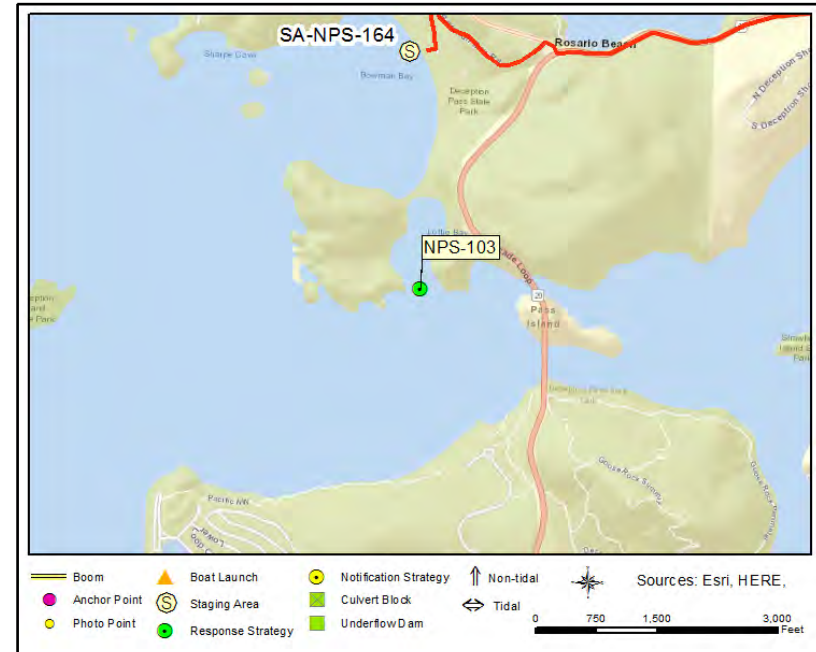

NPS-103 Photo: From east bank looking at Anchor A (west shore). Note large rocks near anchor point B (left of picture).

Site Contact

WA State Parks and Recreation Commission
 Land/Property Contact : Deception Pass State Park
 Cornet Bay Boat Launch
 Oak Harbor, WA 98277
 360-675-3767

Nearest Address

4598 Bowman Bay Rd
 Anacortes, WA 98221



Driving Directions

DIRECTIONS TO STAGING AREA

BL/SA-NC-164 Deception Pass State Park (Bowman Bay)

1. Head north on I-5.
2. At exit 230 bear right onto ramp toward Burlington (WA-20) / Anacortes.
3. Take a left onto WA-20 W, heading towards Anacortes.
4. At roundabout take second exit, heading towards Oak Harbor.
5. At roundabout, take the second exit to proceed on WA-20 N (Cascade Loop).
6. Turn right on Rosario Rd after Pass Lake.
7. Take an immediate left onto Bowman Bay Rd.
7. At stop sign at the bottom of the hill, make a left toward the gravel lot. Boat ramp is on the far side of the gravel lot.

Vendovi Island - North Cove

VEN-01

Position - Location: 48° 36.916', -122° 36.765' 48° 36' 54.9", -122° 36' 45.9" 48.61526, -122.61275 Anacortes

Strategy Objective: Exclusion : Keep oil out of North Cove

Implementation: Using workboat, deploy 800ft of boom across the opening of North Cove. Secure end to shore near Anchor A (~350ft north of entrance to North Cove). From shore, extend boom west about 200ft (Anchor B), then SW ~300ft (Anchor C), and secure the boom on west side of small gravel beach (west of jetty) near Anchor D. Use posts or existing structures to secure boom ends to shore. DO NOT SECURE boom to riprap, it is unstable. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Recreational Boat Traffic; Unstable/Rocky Shoreline; Water Hazard; Slips, Trips, Falls

Field Notes: DO NOT SECURE BOOM TO RIPRAP; UNSTABLE. Call San Juan Preservation Trust before arrival (both owner and caretakers).

Watercourse: Puget Sound - North Puget Sound

Resources at Risk: Marine Birds, Marine Mammals, Raptors, Shellfish, Special Protection Area



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
800 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Vendovi Island - North Cove

VEN-01


VEN-01 Photo: From water looking toward caretakers cottage on Vendovi Island. Caution on rip rap- unstable.

Site Contact

San Juan Preservation Trust

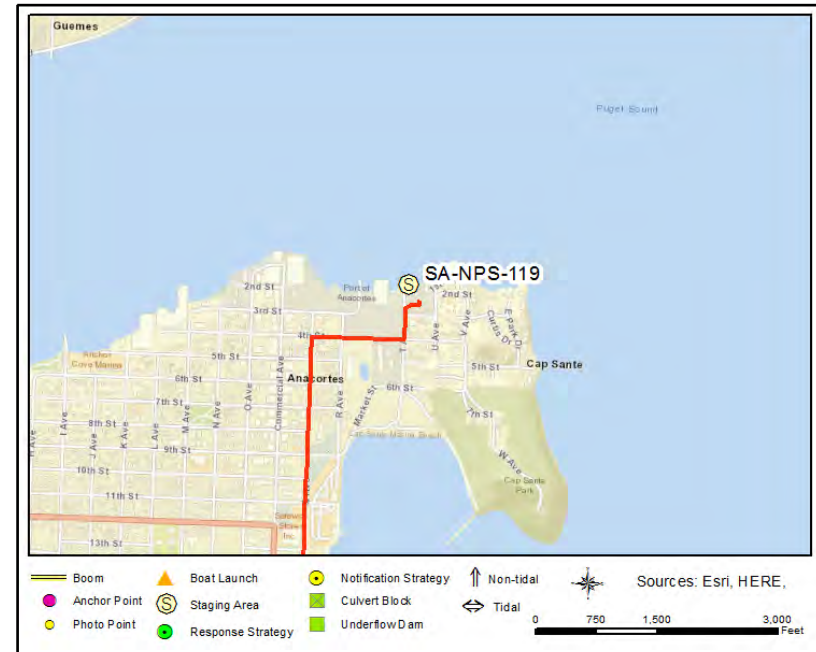
Land/Property Contact : Property Owner
360-317-4916

San Juan Preservation Trust

Land/Property Contact : Vendovi Caretakers
360-228-0695

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Vendovi Island - Sunrise Beach

VEN-02

Position - Location: 48° 36.845', -122° 36.389' 48° 36' 50.7", -122° 36' 23.3" 48.61409, -122.60648 Anacortes

Strategy Objective: Exclusion : Keep oil off of beach and shoreline

Implementation: Using workboat, secure end of 1200ft length of boom to shore at SE corner of Sunrise Beach near Anchor A, inside the bedrock/rocky outcropping. Extend boom NW about 900ft anchoring it near Anchor B, bringing remainder of boom to shore, securing it near Anchor C. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Unstable/Rocky Shoreline; Rocky Outcropping; Old Rail Line; Water Hazard; Slips, Trips, Falls

Field Notes: Call San Juan Preservation Trust before arrival (both owners and caretakers).

Watercourse: Puget Sound - North Puget Sound

Resources at Risk: Marine Birds, Raptors, Shellfish, Special Protection Area



Recommended Equipment

8 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1200 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Vendovi Island - Sunrise Beach

VEN-02


VEN-02 Photo: From water looking toward Vendovi Island at Sunrise Beach.

Site Contact

San Juan Preservation Trust

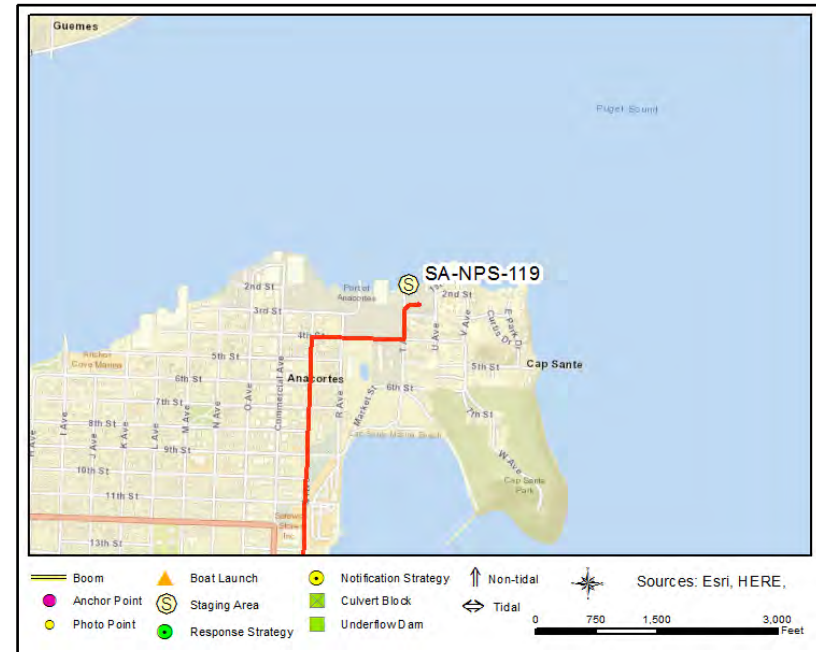
Land/Property Contact : Property Owner
360-317-4916

San Juan Preservation Trust

Land/Property Contact : Vendovi Caretakers
360-228-0695

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Vendovi Island (Eastern Side) - Unnamed Cove

VEN-03

Position - Location: 48° 36.777', -122° 36.016' 48° 36' 46.6", -122° 36' .9" 48.61295, -122.60026 Anacortes

Strategy Objective: Exclusion : Keep oil out of unnamed cove

Implementation: Using workboat, secure end of 500ft length of boom to shore on north side of unnamed cove on east side of Vendovi Island near Anchor A. Extend boom east ~250ft, away from shore, anchoring chevron apex near Anchor B. From anchor point, extend remaining boom to shore on south side of cove, securing it to shore near Anchor C. Use anchor posts or temporary rock bolt/existing structures to secure boom to shore. Adjust boom angle and number of anchors based on environmental conditions.

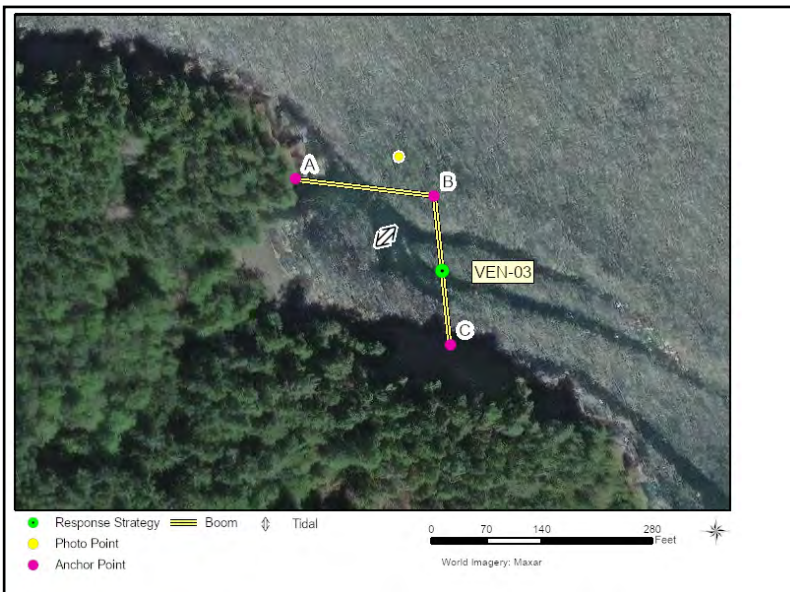
Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Unstable/Rocky Shoreline; Water Hazard; Slips, Trips, Falls

Field Notes: Call San Juan Preservation Trust before arrival (both owner and caretakers). Water depth increases rapidly close to shore.

Watercourse: Puget Sound - North Puget Sound

Resources at Risk: Marine Birds, Marine Mammals, Raptors, Shellfish



Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
500 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Vendovi Island (Eastern Side) - Unnamed Cove

VEN-03


VEN-03 Photo: From water looking toward Vendovi Island at cove.

Site Contact

San Juan Preservation Trust

Land/Property Owner : Property Owner
360-317-4916

San Juan Preservation Trust

Land/Property Contact : Vendovi Caretakers
360-228-0695

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Vendovi Island -Paintbrush Beach

VEN-04

Position - Location: 48° 36.326', -122° 36.154' 48° 36' 19.5", -122° 36' 9.2" 48.60543, -122.60256 Anacortes

Strategy Objective: Exclusion : Keep oil off of beach and shoreline

Implementation: Using workboat, secure end of 400ft length of boom to eyebolt anchor on rocky outcropping on the west side of Paintbrush Beach above high-high tide mark near Anchor A. Extend boom south (towards the water) along bedrock wall securing it near Anchor B. Extend boom SE, anchoring it near Anchor C. From last anchor point, extend remaining boom NE to shore - secure near Anchor D at eyebolt in rocky outcropping above high-high tide mark. Use photos as reference to find eyebolt locations. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Rocky Shoreline; Rocky Outcropping; Shallow Water; Logs and Debris; Water Hazard; Slips, Trips, Falls

Field Notes: Call San Juan Preservation Trust before arrival (both owners and caretakers). DO NOT ANCHOR TO TREES, shallow dirt/organic layer-trees will not withstand weight of boom. Shoreside anchors ineffective, due to shallow beach and underlying bedrock.

Watercourse: Puget Sound - North Puget Sound

Resources at Risk: Marine Birds, Raptors, Shellfish



● Response Strategy Boom Tidal
● Photo Point
● Anchor Point

Recommended Equipment

3 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
400 Feet	Boom - B2 (Contractor Boom) or equivalent
1 Each	Bridle(s) - Towing (appropriately sized for boom)
1 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

1	Boat Operator
3	Laborer
1	Supervisor

Vendovi Island -Paintbrush Beach

VEN-04


VEN-04 Photo: From drone, looking west toward Paintbrush Beach. Anchored to eyebolts in rocky outcropping on east and west ends of beach above high-high tide line.



Site Contact

San Juan Preservation Trust

Land/Property Owner : Property Owner
360-317-4916

San Juan Preservation Trust

Land/Property Contact : Vendovi Caretakers
360-228-0695

Nearest Address

510 3rd Street
Anacortes, WA 98221

Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Vendovi Island- Sunset Beach

VEN-05

Position - Location: 48° 36.676', -122° 36.911' 48° 36' 40.5", -122° 36' 54.6" 48.61126, -122.61518 Anacortes

Strategy Objective: Exclusion : Keep oil off beach and shoreline

Implementation: Using workboat, secure end of 1200ft of boom to shore at Anchor A. Extend boom south around point, anchoring around outcropping (Anchors B, C, D, E). Finally, extend boom to shore toward Anchor F. Adjust boom angle and number of anchors based on environmental conditions.

Staging Area: Remote: BL-NPS-119 Port of Anacortes Commercial Ramp or alternate Anacortes Launches (Cap Sante/Swinomish Channel)

Site Safety: Rocky Shoreline; Rocky Outcropping; Shallow Water; Water Hazard; Slips, Trips, Falls

Field Notes: Call San Juan Preservation Trust before arrival (both owners and caretakers).

Watercourse: Puget Sound - North Puget Sound

Resources at Risk: Marine Birds, Raptors, Shellfish, Special Protection Area



Recommended Equipment

6 Each	Anchoring System(s) - (anchor, lines, floats)
2 Each	Anchoring System(s)- Shoreside
1200 Feet	Boom - B2 (Contractor Boom) or equivalent
2 Each	Bridle(s) - Towing (appropriately sized for boom)
2 Each	Workboat(s) - of adequate size for type and amount of boom

Recommended Personnel

2	Boat Operator
4	Laborer
1	Supervisor

Vendovi Island- Sunset Beach

VEN-05


VEN-05 Photo: From water looking toward Vendovi Island at Sunset Beach.

Site Contact

San Juan Preservation Trust

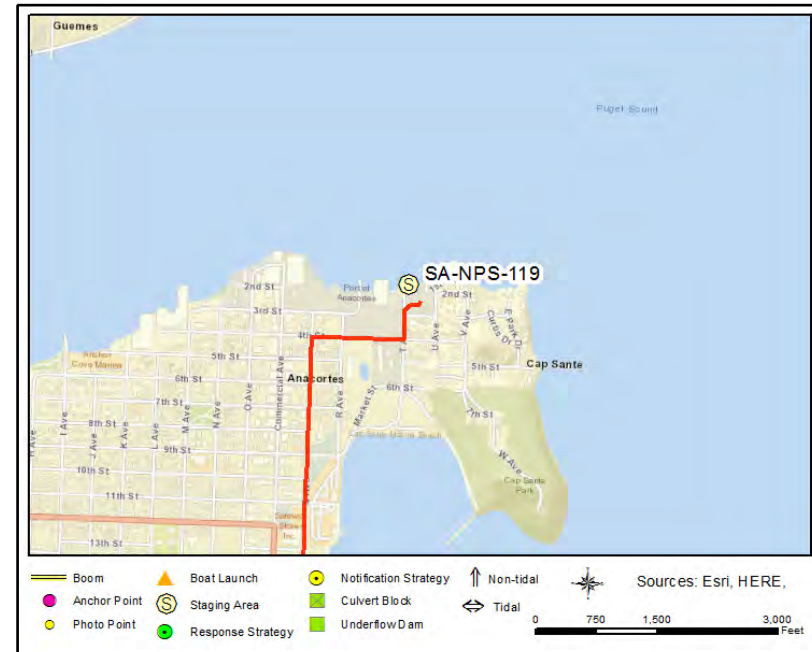
Land/Property Owner : Property Owner
360-317-4916

San Juan Preservation Trust

Land/Property Contact : Vendovi Caretakers
360-228-0695

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

BL-NPS-119 Port of Anacortes Commercial Ramp

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

APPENDIX B

Notification Strategy 2-Pagers

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Eliza Island Drinking Water Intake

ELZ-1-N

Position - Location: 48° 39.230', -122° 35.256' 48° 39' 13.8", -122° 35' 15.4" 48.65383, -122.58760

Strategy Objective: Notification : Notify Eliza Island caretakers so they can consider shutting down the water intakes for the island's drinking water

Implementation: Call Eliza Island caretakers, located on island year-round, to notify of spill or potential spill impacting waters in the area around Eliza Island. Steve Gatt (503) 757-0892 or Melissa Seifferlein (503) 757-0195. The water maker system is an intermittently run (diesel generator) reverse osmosis system with its primary intake being in a ~20' deep saltwater well located just to northeast of main dock above the high tide line. The system has a secondary intake that is located below the seaward end of dock (depth unknown).

Field Notes:

Watercourse: Puget Sound - Bellingham Bay

Resources at Risk: Economic Resources, Public Health and Safety, Water Intakes



Communication Process and Action:

Call Eliza Island caretakers, located on island year-round, to notify of spill or potential spill impacting waters in the area around Eliza Island. Steve Gatt (503) 757-0892 or Melissa Seifferlein (503) 757-0195.

If no answer at above numbers, try following numbers until someone is reached:

Beach Club cell phone number: (360) 224-0157

Ron Heller: (206) 605-2778

Eliza Island Drinking Water Intake

ELZ-1-N

ELZ-1-N Photo: Eliza Island main dock, with water intake in vicinity.



Site Contact

Eliza Island Water Intake

Primary Contact : Caretaker

503-757-0892

Nearest Address

Driving Directions

Sandy Point Wellhead Protection Area

NPS-08-N

Position - Location: 48° 49.387', -122° 40.518' 48° 49' 23.2", -122° 40' 31.1" 48.82311, -122.67530 Ferndale

Strategy Objective: Notification : Notify the Sandy Point Wellhead Protection Area of any spills to ground that may impact drinking water.

Implementation: Contact 360-384-3921 and notify the Sandy Point Improvement Co of any spills to ground that may impact the protection area.

Field Notes:

Watercourse: -

Resources at Risk: Public Health and Safety, Water Intakes

Communication Process and Action:



Sandy Point Wellhead Protection Area**NPS-08-N**

NPS-08-N Photo: Photo Not Available

Site Contact**Nearest Address**

3568 Walltine Road
Ferndale, WA 98248

Driving Directions

Lummi Bay Hatchery Water Intakes and Net Pens

NPS-20-N

Position - Location: 48° 47.477', -122° 35.455' 48° 47' 28.6", -122° 35' 27.3" 48.79128, -122.59091 Bellingham

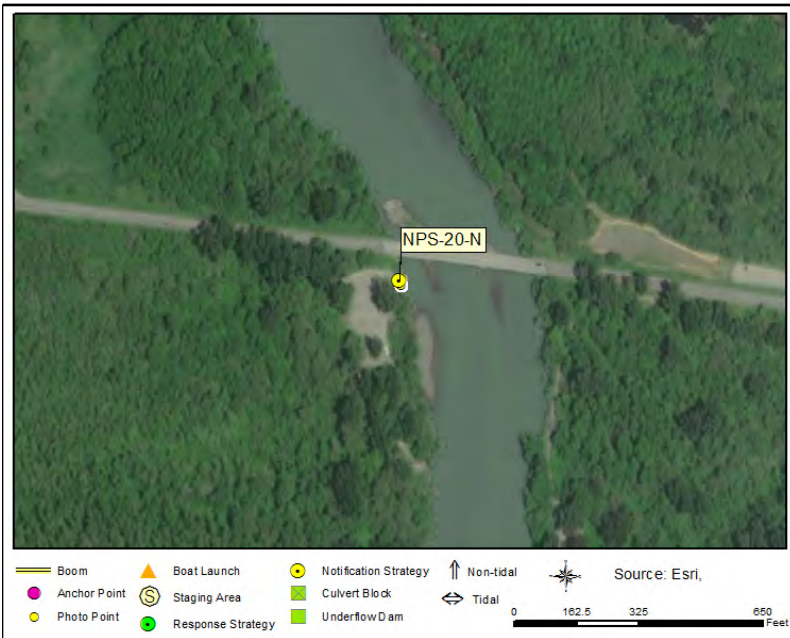
Strategy Objective: Notification : Notify Lummi Nation so they can take action to protect their water intakes and net pens

Implementation: Call the Lummi Nation Chief of Police (911). If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer AND call the Lummi Natural Resources Director 360 410-1706. Inform them of any significant oil spill, or potential spill, that threatens to impact the hatchery water intake(s) on the Nooksack River, or net pens in Lummi Bay, so they can take action to protect the resources under their control.

Field Notes: Second intake scheduled to be built summer of 2020 about 415 feet north (upstream) on the west bank of the River (see Driving Directions). Either of the two intakes may be active. The fish being fed by this water can only live a few hours with the pump(s) off.

Watercourse: River - Nooksack River

Resources at Risk: Economic Resource, Shellfish, Tribal Lands/Resources, Water Intakes, Waterfowl



Communication Process and Action:

Call Lummi Nation Natural Resources Director at 360-410-1706 and inform them of any significant oil spill or potential spill that impacts or Call the Lummi Nation Chief of Police (911). If the Chief cannot be reached, ask to speak with a Lummi Police Department Officer AND call Lummi Nation Natural Resources Director at 360-410-1706 and inform them of any significant oil spill or potential spill that impacts or threatens to impact the water intake on the Nooksack River, or the net pens in Lummi Bay. Lummi Nation staff will determine what action(s) they need to take to protect their hatchery. Actions by the Lummi Nation might include shutting down their water intake pumps and closing intake valves, or other actions in Lummi Bay.

If the Director is unavailable, try the following numbers until someone at Lummi Nation has been notified in-person:

Deputy Director: 360-319-6539

Salmon Enhancement Program Manager: 360-303-1826

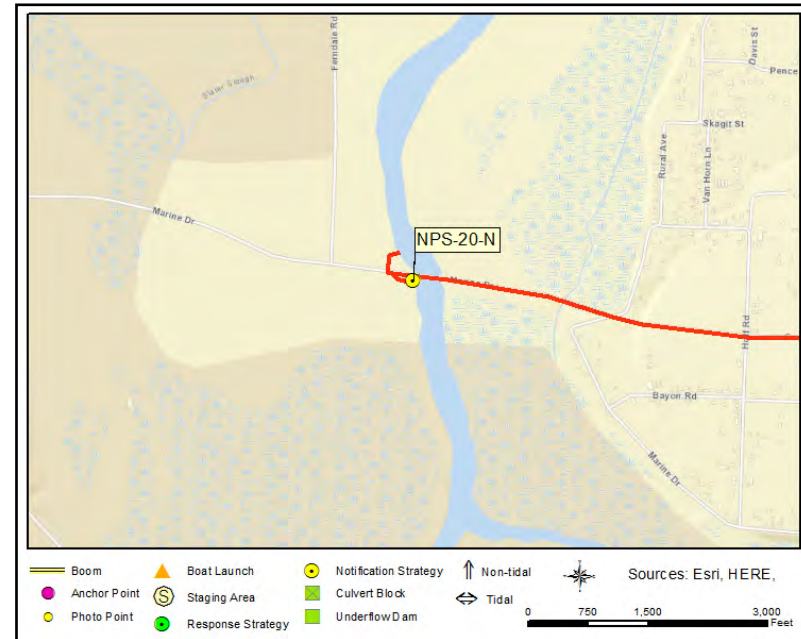
Water Resources Manager: 360-305-7901

Lummi Bay Hatchery Water Intakes and Net Pens

NPS-20-N



NPS-20-N Photo: From intake looking east over Nooksack River.



Site Contact

Lummi Nation Oil Spill Response Team

Primary Contact : Natural Resources Department
360-410-1706

Lummi Bay Salmon Hatchery

Alternate Contact : Pump Station Control
360-384-2221

Nearest Address

2031 Marine Drive
Bellingham, WA 98226

Driving Directions

1. Head north on I-5 towards Bellingham.
 2. At exit 258 take ramp on the right to Bakerview Road toward Bellingham Int'l Airport.
 3. Turn left on W Bakerview Rd.
 4. Bear right on Airport Dr.
 5. Continue on Alderwood Ave.
 6. Turn right on Marine Dr.
 7. Turn right on Bancroft Rd.
 8. Continue on Country Ln.
 9. Continue on Marine Dr.
 10. Take the first left after the bridge into gravel/dirt lot for first (southern) water intake.
- or
- Take first right after the bridge onto a gravel/dirt road for second (northern) water intake.

Shannon Point Marine Center				NPS-83-N
Position - Location:	48° 30.538', -122° 41.014'	48° 30' 32.3", -122° 41' .8"	48.50896, -122.68356	Anacortes
Strategy Objective:	Notification : Notify Western Washington Uni. so they can take action to protect the Shannon Point Marine Center's seawater			
Implementation:	Call WWU security at 360-650-3555 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the Shannon Point Marine Center seawater intakes near the ferry terminals in Anacortes, so they can take action to protect the resources under their control, including seawater intakes for the research center.			
Field Notes:	Research Center neighbors the ferry terminals in Anacortes.			
Watercourse:	Puget Sound - Guemes Channel			
Resources at Risk:	Water Intakes			



Communication Process and Action:

Call WWU security at 360-650-3555 and notify them of any significant oil spill, or potential spill, that impacts, or threatens to impact, the Shannon Point Marine Center seawater intakes near the ferry terminals in Anacortes, so they can take action to protect the resources under their control, including seawater intakes for the research center.

Shannon Point Marine Center

NPS-83-N

NPS-83-N Photo: Photo Not Available



Site Contact

Western Washington University (WWU)

Emergency Contact : Security

360-650-3555

Nearest Address

1900 Shannon Point Rd #4042
Anacortes, WA 98221

Driving Directions

1. Start at I-5 N Burlington
2. Go on I-5 N toward 230 (0.1 miles)
3. Bear right onto the ramp at exit 230 toward Burlington (WA-20) / Anacortes (0.42 miles)
4. Bear left on WA-20 W (Cascade Loop) (11.6 miles)
5. Keep right at the fork (0.21 miles)
6. Continue forward on WA-20-SPUR W (2.61 miles)
7. At the roundabout, take the first exit onto Commercial Ave (WA20-SPUR W) (1.33 miles)
8. Turn left on 12th St (WA-20-SPUR) toward Spur (WA-20) / San Juan Ferry (1.08 miles)
9. Continue forward on Oakes Ave (WA-20-SPUR) (2.01 miles)
10. Continue forward on Sunset Ave (0.44 miles)
11. Turn right on Shannon Point Rd (0.06 miles)
12. Continue forward on Shannon Point Ave (0.19 miles)
13. Continue forward on Shannon Point Rd (0.35 miles)
14. Finish at 1900 Shannon Point Rd #4042, 98221, on the left

Swinomish Channel Tide Gates

NPS-96-N

Position - Location: 48° 26.698', -122° 30.586' 48° 26' 41.9", -122° 30' 35.1" 48.44497, -122.50976 Anacortes

Strategy Objective: Notification : Notify Swinomish Tribe so that they can consider closing their tide gates along the Swinomish Channel.

Implementation: Call 911 for emergency/afterhours, have dispatch transfer you to Swinomish Tribe Police. Notify them about any potential spill that may impact any of the five tide gates in the north part of the Swinomish Channel so that they can take actions to protect the resources under their controls, including wetland areas.

Field Notes:

Watercourse: Slough - Swinomish Channel

Resources at Risk: Tribal Lands/Resources



Communication Process and Action:

Call 911 for emergency/afterhours, have dispatch transfer you to Swinomish Tribe Police. Notify them about any potential spill that may impact any of the five tide gates in the north part of the Swinomish Channel so that they can take actions to protect the resources under their controls, including wetland areas.

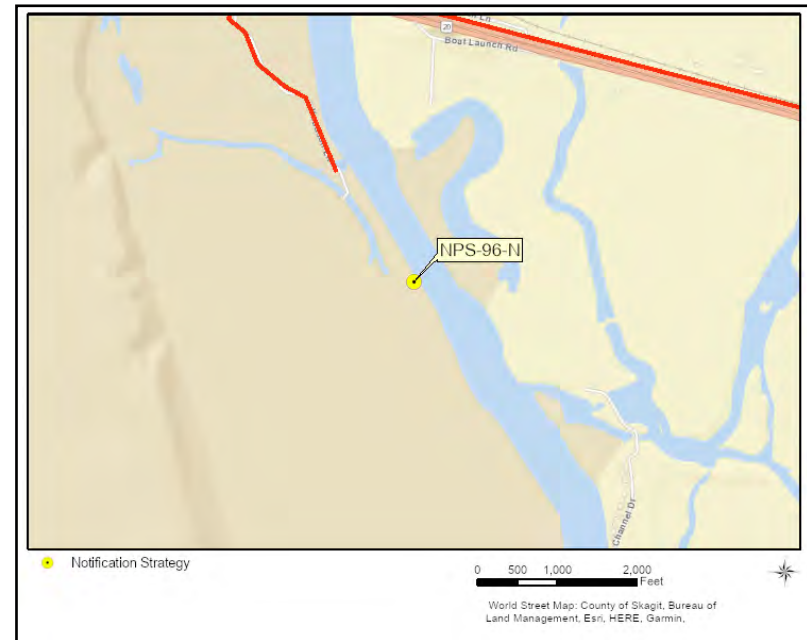
Five tide gates at the northern portion of the Swinomish Channel. See photo for tide gate locations. For normal business hours, also contact Swinomish Tribe directly by calling either Keri Cleary 360-739-8653 or Brian Geer 360-333-1426.

Swinomish Channel Tide Gates

NPS-96-N



NPS-96-N Photo: Location of five tide gates on Swinomish Channel.



Site Contact

Swinomish Police Department

Emergency Contact : can assist with access
17353 Reservation Rd
La Conner, WA 98257
360-466-7237

Nearest Address

12911 Casino Dr
Anacortes, WA 98221

Driving Directions

1. Start at 14901 State Route 20 Mount Vernon
2. Go west on State Route 20 (Cascade Loop) toward State Route 536 (4.79 miles)
3. Turn right on S Marchs Point Rd (0.03 miles)
4. Turn right on Casino Dr (0.22 miles)
5. Turn left (0.05 miles)
6. Turn right (0.02 miles)
7. Finish at 12911 Casino Dr, 98221, on the left

APPENDIX C

Staging Area 2-Pagers

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Birch Bay Village Marina

SA-NPS-1

Staging Area

Position - Location: 48° 56.122', -122° 47.107'

48° 56' 7.3", -122° 47' 6.4"

48.93537, -122.78511

Blaine

Comments:



GRP Response Strategies Served:

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Unknown	
Estimated Lot Size	Square Feet	64000 SqFt
Fuel	Unknown	
Lot Cover (Primary)	Asphalt	
Parking - Car	Not Marked	25
Parking - Trailer	Not Marked	20
Power	Unknown	
Restroom	Not Determined	
User Fee	Unknown	
Water (potable)	Unknown	

Birch Bay Village Marina

SA-NPS-1



SA-NPS-1 Photo: View of boat launch looking toward Birch Bay Marina.



Site Contact

Birch Bay Village

Primary Contact : Main Gate (24-hour)

360-371-7644

Nearest Address

8055 Cowichan Road
Blaine, WA 98230

Driving Directions

BL-NPS-1 Birch Bay Village Marina

1. Head north on I-5 toward Blaine.
2. Take Exit 270 and turn left at end of ramp onto Birch Bay-Lynden Road.
3. Turn left onto Harborview Road.
4. Take sharp right onto Birch Bay Drive.
5. Turn left onto Sehome Road into Birch Bay Village (Main Gate).
6. Turn right onto Cowichan Road.
7. After 800ft you'll have reached the boat ramp; parking area to the right (north) for staging equipment.

Blaine Staging Area - Westman Marine

SA-NPS-2

Staging Area

Position - Location: 48° 59.503', -122° 45.751' 48° 59' 30.2", -122° 45' 45.0" 48.99171, -122.76251 Blaine

Comments:



GRP Response Strategies Served:

NPS-03, NPS-02, NPS-01

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	2
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	120000
Fuel	No	
Lot Cover (Primary)	Concrete	
Parking - Car	Marked	44
Parking - Trailer	Marked	61
Parking - Trailer	Not Marked	
Power	No	
Restroom	Restroom - Flush	1
User Fee	No	
Waste Disposal	Pumpout	1
Water (potable)	No	

Blaine Staging Area - Westman Marine

SA-NPS-2

NPS

Boat Launch



SW

N 48° 59' 37.30" W 122° 45' 12.70" WGS 84 07/30/2008 10:08:04 AM

SA-NPS-2 Photo: Drayton Harbor Boat Launch

Site Contact

Blaine Harbor Marina

Primary Contact :
360-647-6176

Nearest Address

235 Marine Drive
Blaine, WA 98230



Driving Directions

1. Head north on I-5 toward Blaine.
2. At exit 276 take ramp on the right to WA-548 S toward Blaine City Center.
3. At roundabout, take 4th exit to proceed southwest on Peace Portal Dr (WA-548).
4. At roundabout, take 1st exit to proceed west on Marine Dr.
6. Finish at 235 Marine Drive, 98230, on the left.

Birch Bay State Park

SA-NPS-16

Staging Area

Position - Location: 48° 54.076', -122° 46.425' 48° 54' 4.5", -122° 46' 25.5" 48.90126, -122.77375 Blaine

Comments: State Park



GRP Response Strategies Served:

NPS-05, NPS-04

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Gravel	1 7 degrees
Cell Phone Coverage	Yes	
Covered Spaces	Yes	Within State Park
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	Marked	25
Parking - Trailer	Marked	11
Power	No	
Restroom	Restroom - Flush	
Restroom	Restroom - Vault	1
User Fee	Yes	7\$ per launch
Waste Disposal	Trash Receptacle	1
Water (potable)	No	

Birch Bay State Park

SA-NPS-16



SA-NPS-16 Photo: View of boat launch looking northwest toward Birch Bay.

Site Contact

Birch Bay State Park

Land/Property Contact : State Park Contact

360-371-2800

Nearest Address

7115 Birch Bay Drive
Blaine, WA 98230



Driving Directions

1. Head north on I-5 toward Blaine.
2. Take the ramp on the right at exit 266 to WA-548 N / Grandview Rd toward Custer.
3. Turn left on WA-548 (Grandview Rd).
4. At the roundabout, take the second exit onto WA-548 W (Grandview Rd).
5. At the roundabout, take the second exit onto Grandview Rd.
6. Bear right on Point Whitehorn Rd.
7. Boat launch will be on the left.

Squalicum Harbor Marina

SA-NPS-48

Staging Area

Position - Location: 48° 45.390', -122° 29.794' 48° 45' 23.4", -122° 29' 47.6" 48.75650, -122.49656 Bellingham

Comments: Afterhours entry/phone numbers: 360-676-2542; 360-739-8131 (cell). Restroom, shower, and laundry facilities closed 10pm - 6:30 am.



GRP Response Strategies Served:

NPS-32

Location Information

Asset	Type/Status	Amount/Number
		\$9 per launch
Boat Dock(s)	Yes	2
Boat Ramp(s)	Concrete, Solid	3
Cell Phone Coverage	Yes	
Covered Spaces	No	
Fuel	Not Determined	
Lot Cover (Primary)	Asphalt	
Parking - Car	Marked	180 Car or 90 Trailer
Parking - Trailer	Marked	180 Car or 90 Trailer
Power	Unknown	
Restroom	Restroom - with Showers	
Waste Disposal	Pumpout	1
Water (potable)	Unknown	

Squalicum Harbor Marina

SA-NPS-48


SA-NPS-48 Photo: View of boat launch looking toward Squalicum Harbor Marina.



Site Contact

Squalicum Harbor Marina

Land/Property Contact :

WA

360-676-2542

Nearest Address

722 Coho Way
Bellingham, WA 98225

Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take the ramp on the right at exit 253 toward Lakeway Dr.
3. Turn right at exit 253 on King St toward Lakeway Dr.
4. Turn right on Lakeway Dr.
5. Bear right on E Holly St.
6. Turn left on F St.
7. Turn right on Roeder Ave.
8. Turn left on Coho Way.
9. Turn left on S Harbor Loop Dr.
10. Marina is on the left.

Fisherman's Cove Marina

SA-NPS-57

Staging Area

Position - Location: 48° 43.904', -122° 40.276' 48° 43' 54.3", -122° 40' 16.6" 48.73174, -122.67127 Bellingham

Comments: Parking lot associated with marina



GRP Response Strategies Served:

SUC-03, ORC-10, JON-01, SJI-08, CLA-01, ORC-12, MAT-04, SUC-08, NPS-24, MAT-05, ORC-08, PAT-04, ORC-11, LUM-01, PAT-02, ORC-03, ORC-01, LUM-04, MAT-02, ORC-07, LUM-03, CLA-02, WAL-02, PAT-01, STU-02, ORC-13, ORC-06, JON-02, ORC-04, MAT-03, STU-03, SJI-01, WAL-01, SUC-04, SJI-11, PAT-03, HEN-02, MAT-01, STU-01, ORC-02, NPS-25, ORC-05, SUC-05, LUM-02

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	3000
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Gravel	150
Parking - Trailer	Gravel	75
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	

Fisherman's Cove Marina

SA-NPS-57


SA-NPS-57 Photo: From boat launch looking toward Lummi Island.



Site Contact

Fisherman's Cove Marina

Land/Property Owner :

WA

360-758-2450

Nearest Address

2557 Lummi View Drive
Bellingham, WA 98226

Driving Directions

BL-NPS-57 Fisherman's Cove Marina

1. Head north on I-5 toward Bellingham
2. Take exit 260 to Slater Rd toward Lummi I
3. At the roundabout, take the third exit onto Slater R
4. At the roundabout, take the first exit onto Slater R
5. Turn left on Haxton Wa
6. At the roundabout, take the second exit onto Haxton Wa
7. At the roundabout, take the second exit onto Haxton Wa
8. Boat launch will be near Lummi Island Ferry (Gooseberry Point)

Fairhaven Boat Launch

SA-NPS-61

Staging Area

Position - Location: 48° 43.292', -122° 30.576' 48° 43' 17.5", -122° 30' 34.6" 48.72153, -122.50960 Bellingham

Comments:



GRP Response Strategies Served:

NPS-33, NPS-35, NPS-37, NPS-34, NPS-36

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	2 -11 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	1000
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Gravel	20
Parking - Trailer	Marked	25
Power	No	
Restroom	None	
User Fee	Yes	7 per day
Waste Disposal	None	
Water (potable)	No	

Fairhaven Boat Launch

SA-NPS-61

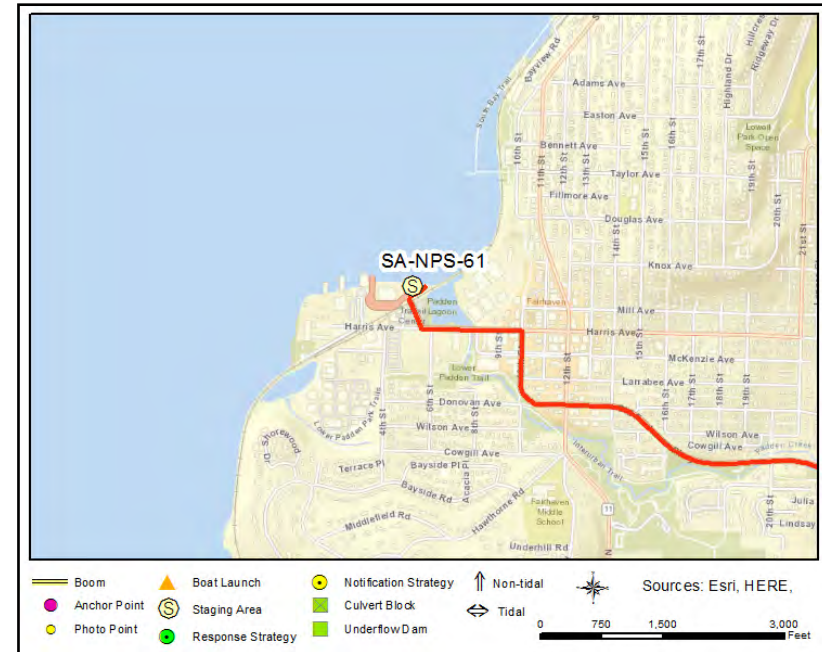


SA-NPS-61 Photo: From parking lot looking east toward boat launch.

Site Contact

Nearest Address

501 Harris Avenue
Bellingham, WA 98225



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take exit 250 for WA-11 S/Old Fairhaven Pkwy toward Chuckanut Dr.
3. Turn left on WA-11 (Old Fairhaven Pky).
4. Continue on Donovan Ave.
5. Bear right on 10th St.
6. Turn left on Harris Ave.
7. Boat launch is on the right (Bellingham Cruise Terminal/Fairhaven Moorage).

Larrabee State Park

SA-NPS-79

Staging Area

Position - Location: 48° 39.257', -122° 29.623' 48° 39' 15.4", -122° 29' 37.4" 48.65428, -122.49371 Bellingham

Comments: Coordinate access and use of Boat Launch/Parking Area with Park Rangers; call 360-676-2093 (office hours), 360-305-9367 (after-hours) or 360-319-2118 (after-hours). Also call 360-755-9231 x233 (Regional Parks Manager) and 360-259-3273 (Parks HQ).



GRP Response Strategies Served:

NPS-45, NPS-41, NPS-44

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	None
Boat Ramp(s)	Concrete, Solid	1 -6 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Other	14,000 SqFt
Lot Cover (Primary)	Gravel	
Parking - Car	Not Marked	15
Parking - Trailer	Not Marked	25
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	Discovery Pass, \$5 Launch
Waste Disposal	Trash Receptacle	2
Water (potable)	No	

Larrabee State Park

SA-NPS-79


SA-NPS-79 Photo: View of boat launch from parking lot looking towards Wild Cat Cove.

Site Contact

Larrabee State Park

Primary Contact : Park Ranger

Bellingham, WA 98227
360-676-2093

Nearest Address

348 Cove Road
Bellingham, WA 98229



Driving Directions

1. Head north on I-5 toward Bellingham
2. Take the ramp on the right at exit 250 to WA-11 S / Old Fairhaven Pkwy toward Chuckanut Dr.
3. Turn left on Old Fairhaven Pkwy (WA-11).
4. Turn left on 30th St.
5. Turn right on Old Samish Rd.
6. Make a sharp left on WA-11 (Chuckanut Dr).
7. Turn right on Cove Rd.
8. Make a sharp left at Pleasant Bay Rd to stay on Cove Rd.
9. Finish at 348 Cove Road, 98229, on the left.

Port of Anacortes Commercial Ramp

SA-NPS-119

Staging Area

Position - Location: 48° 31.255', -122° 36.328' 48° 31' 15.3", -122° 36' 19.7" 48.52092, -122.60546 Anacortes

Comments:



GRP Response Strategies Served:

GUE-02, NPS-73, GUE-01, VEN-01, GUE-05, VEN-03, VEN-04, NPS-80, GUE-03, GUE-06, NPS-46, NPS-81, VEN-02, VEN-05, GUE-04

Location Information

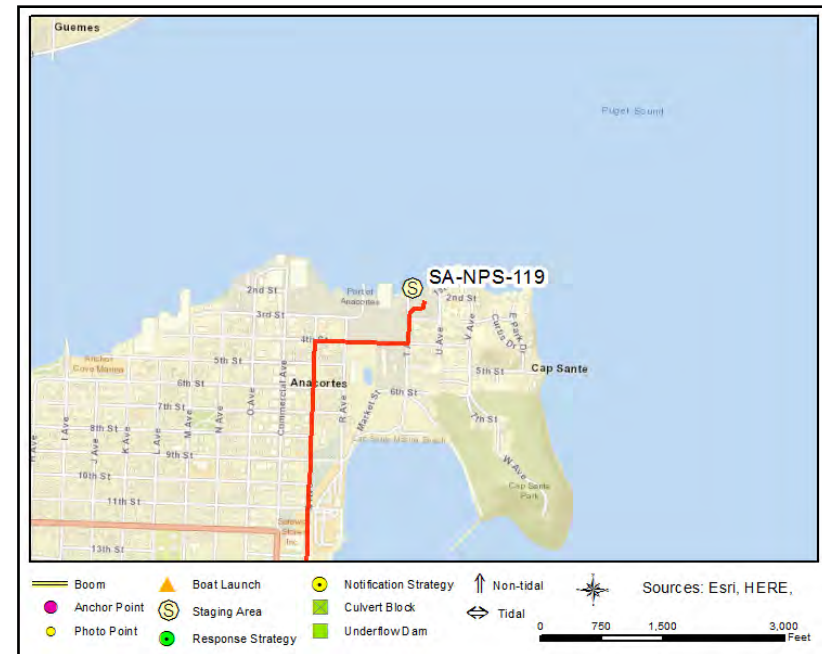
Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	1 -5 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Other	No dedicated lot, but near Cap Sante
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	None	Cap Sante nearest parking
Parking - Trailer	None	Nearest parking Cap Sante
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	

Port of Anacortes Commercial Ramp

SA-NPS-119



SA-NPS-119 Photo: From top of boat launch looking north toward Guemes Island.



Site Contact

Port of Anacortes

Primary Contact : Neighboring Property

360-293-3134

Nearest Address

510 3rd Street
Anacortes, WA 98221

Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Cap Sante Marina - Moorage

SA-NPS-120

Staging Area

Position - Location: 48° 30.756', -122° 36.627' 48° 30' 45.4", -122° 36' 37.6" 48.51260, -122.61045 Anacortes

Comments:



GRP Response Strategies Served:

NPS-47, NPS-78

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	
Boat Ramp(s)	Hoist, Fixed	1
Cell Phone Coverage	Yes	
Covered Spaces	Yes	
Fuel	Yes	
Lot Cover (Primary)	Asphalt	
Parking - Car	Marked	100
Parking - Trailer	Gravel	20
Parking - Trailer	Marked	100
Power	Yes	
Restroom	Restroom - with Showers	
User Fee	Yes	Unknown Amount
Waste Disposal	Pumpout	1
Waste Disposal	Trash Receptacle	
Water (potable)	Yes	

Cap Sante Marina - Moorage

SA-NPS-120



SA-NPS-120 Photo: From Cap Sante looking southwest and down at Cap Sante Marina and beach.



Site Contact

Cap Sante Marina

Land/Property Contact : Property Owner

360-293-0694

Nearest Address

Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. Continue on Q Ave.
6. Cap Sante will be on the right.

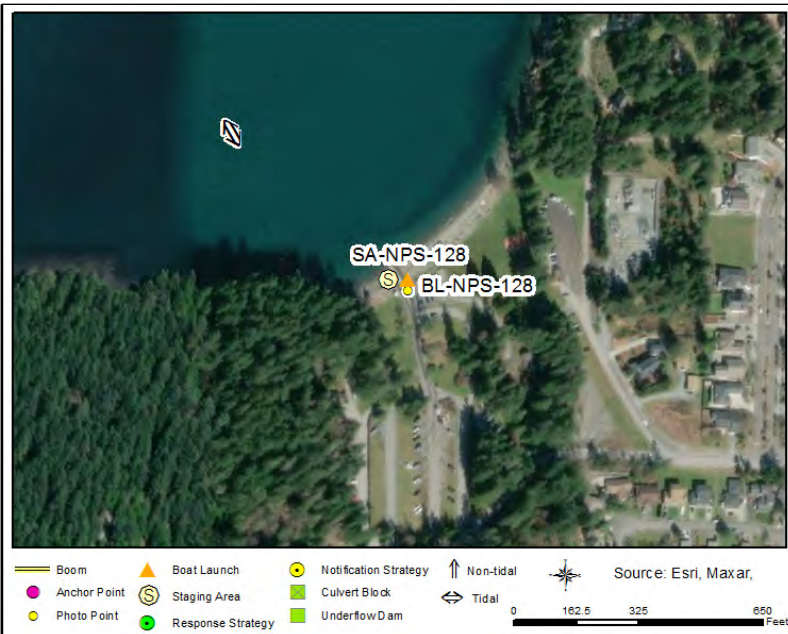
Washington Park

SA-NPS-128

Staging Area

Position - Location: 48° 30.002', -122° 41.549' 48° 30' .1", -122° 41' 33.0" 48.50004, -122.69249 Anacortes

Comments: Follow signs in park for boat launch, trailer parking, and vehicle parking



GRP Response Strategies Served:

SHA-04, CYP-04, LOP-09, SHA-06, SJI-09, LOP-17, LOP-05, LOP-02, DEC-02, CYP-01, CYP-03, SJI-10, LOP-06, SHA-01, LOP-14, BLA-01, LOP-08, SJI-06, NPS-82, LOP-13, SJI-05, LOP-01, JAM-01, SHA-05, CYP-02, LOP-03, LOP-16, SJI-07, NPS-84, BLA-02, LOP-10, LOP-07, SHA-02, DEC-01, JAM-02, SJI-02, LOP-12

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1 2019 storm damage in photo
Boat Ramp(s)	Concrete, Solid	2 Concrete covered in gravel (restoration)
Cell Phone Coverage	Yes	
Covered Spaces	Yes	3 Covered picnic areas
Estimated Lot Size	Field	Multiple lots in park for cars/trailers
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Marked	20 Closer to launch
Parking - Trailer	Gravel	100 Up the hill from the launch
Power	Yes	Covered picnic areas have power
Restroom	Restroom - Portable	1
Restroom	Restroom - with Showers	8 Flush with showers near loop road
User Fee	Yes	For Trailer Parking Only
Waste Disposal	Dump Station	
Water (potable)	No	

Washington Park

SA-NPS-128



SA-NPS-128 Photo: View of boat launch looking north toward Cypress Island.



Site Contact

Washington Park-Anacortes

Land/Property Contact :

360-661-3463

Nearest Address

6300 Sunset Avenue
Anacortes, WA 98221

Driving Directions

BL-NPS-128 Washington Park

1. Head north on I-5 toward Mt. Verno
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20)
3. Take a left onto WA-20 W, continuing toward Anacortes
4. In Anacortes, take first exit in roundabout for Commercial Av
5. Take a left on 12th street (Hwy 20), toward the ferry terminal
6. Bear left, continuing on Sunset Ave past the ferry terminal
7. Follow signs in the park to the boat launch and parkin

Fidalgo Bay Resort

SA-NPS-134

Staging Area

Position - Location: 48° 29.023', -122° 35.477' 48° 29' 1.4", -122° 35' 28.6" 48.48371, -122.59128 Anacortes

Comments:



GRP Response Strategies Served:

NPS-77

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1 -7 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	1500
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Marked	6
Parking - Trailer	Not Marked	
Power	Yes	
Restroom	Restroom - Flush	
User Fee	No	
Waste Disposal	Trash Receptacle	
Water (potable)	Yes	

Fidalgo Bay Resort

SA-NPS-134



SA-NPS-134 Photo: View of boat launch looking toward March's Point, over Fidalgo Bay.



Site Contact

Fidalgo Bay Resort
Land/Property Owner :

WA
360-293-5353

Nearest Address

4701 Fidalgo Bay Road
Anacortes, WA 98221

Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes. Stay in right lane to bypass roundabout and continue on Hwy-20.
4. Turn right on Fidalgo Bay Rd (first right after roundabout).
5. Turn right on Weaverling Rd. Boat launch through parking lot, after crossing Tommy Thompson Trail.

Padilla Bay

SA-NPS-136

Staging Area

Position - Location: 48° 29.074', -122° 28.726' 48° 29' 4.5", -122° 28' 43.6" 48.48457, -122.47877 Mount Vernon

Comments:



GRP Response Strategies Served:

NPS-52.2, NPS-51, NPS-54, NPS-53, NPS-52.1, NPS-56, NPS-52.3, NPS-55

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1 -6 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	2500
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	Not Marked	5
Parking - Trailer	Not Marked	5 Only 5 spots total- either could use
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	

Padilla Bay

SA-NPS-136



SA-NPS-136 Photo: View of boat launch looking west toward Fidalgo Island, over Padilla Bay.

Site Contact

Nearest Address

11068 Bayview Edison Road
Mount Vernon, WA 98273



Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Turn right on WA-237 (Farm To Market Rd)
4. Turn left on Bay View Rd (Bayview Rd)
5. Turn right on Bayview-Edison Rd (Bayview Edison Rd)
6. Boat launch is on the left near series of large blue buildings.

Swinomish Channel (Hwy 20 Bridge)

SA-NPS-147

Staging Area

Position - Location: 48° 27.275', -122° 30.788' 48° 27' 16.5", -122° 30' 47.3" 48.45458, -122.51314 Mount Vernon

Comments:



GRP Response Strategies Served:

NPS-93, NPS-57, NPS-60, NPS-91

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	2 , 6 degree grade
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	98000
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	Marked	25
Parking - Trailer	Marked	75
Power	Yes	
Restroom	Restroom - Flush	2
User Fee	Yes	\$8 per day
Waste Disposal	Trash Receptacle	4
Water (potable)	Yes	

Swinomish Channel (Hwy 20 Bridge)

SA-NPS-147



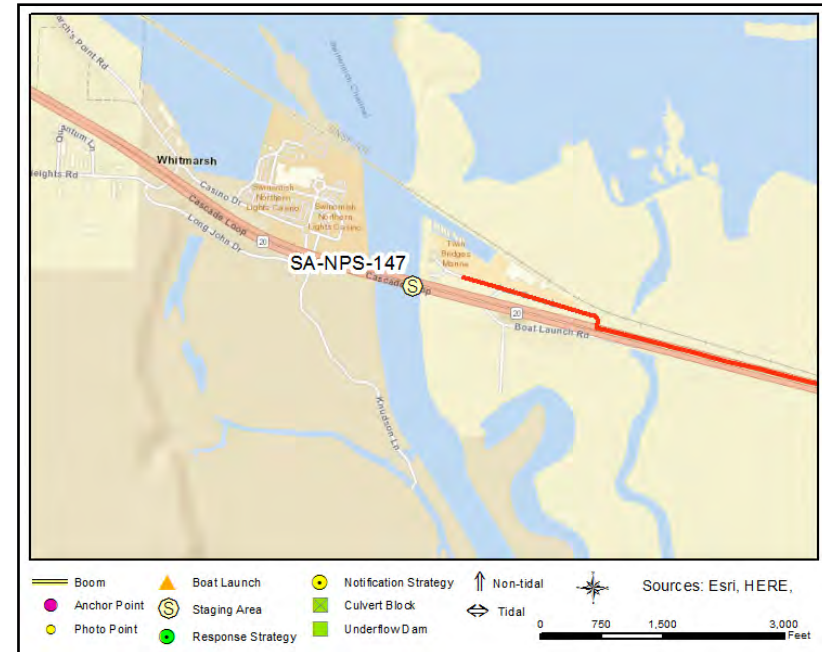
SA-NPS-147 Photo: View of boat launch looking west toward Fidalgo Island over the Swinomish Channel.

Site Contact

Skagit County Parks and Recreation Department
 Land/Property Owner : Weekday Office
 1730 Continental Place
 Mt Vernon, WA 98273
 360-416-1350

Nearest Address

10899 Josh Green Lane
 Mount Vernon, WA 98273



Driving Directions

BL-NPS-147 Swinomish Channel

1. Take Interstate-5 Exit 230 in Burlington and travel west on Hwy 20 for 7.2 miles.
2. Turn right on Josh Green Lane and take immediate turn towards the left to stay on roadway. The turn for Josh Green Lane is about 0.9 miles east of the Swinomish Channel Bridge.
3. Follow Josh Green Lane for ~0.7 miles, turning left into boat launch parking area under the Hwy 20 Bridge.
4. Stage equipment in parking area and notify Skagit County Parks and Recreation Department; call 360-336-9414.

Deception Pass State Park (Bowman Bay)

SA-NPS-164

Staging Area

Position - Location: 48° 24.998', -122° 39.077' 48° 24' 59.9", -122° 39' 4.6" 48.41664, -122.65129 Anacortes

Comments: State Park



GRP Response Strategies Served:

NPS-103, NPS-101

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	Off pier, limited space
Boat Ramp(s)	Concrete, Solid	1 8 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	24000
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Gravel	40
Parking - Trailer	Gravel	18
Power	No	
Restroom	Restroom - Flush	2
User Fee	Yes	\$10/day or Discover Pass
Waste Disposal	None	Pack it in, Pack it out
Water (potable)	No	

Deception Pass State Park (Bowman Bay)

SA-NPS-164


SA-NPS-164 Photo: Photo of ramp, looking out over Bowman Bay at high-tide.



Site Contact

Bowman Bay State Parks

Land/Property Contact : Property Managers

WA

360-902-8844

Nearest Address

4380 Bowman Bay Road
Anacortes, WA 98221

Driving Directions

1. Head north on I-5.
2. At exit 230 bear right onto ramp toward Burlington (WA-20) / Anacortes.
3. Take a left onto WA-20 W, heading towards Anacortes.
4. At roundabout take second exit, heading towards Oak Harbor.
5. At roundabout, take the second exit to proceed on WA-20 N (Cascade Loop).
6. Turn right on Rosario Rd after Pass Lake.
7. Take an immediate left onto Bowman Bay Rd.
7. At stop sign at the bottom of the hill, make a left toward the gravel lot. Boat ramp is on the far side of the gravel lot.

APPENDIX D

Boat Launch 2-Pagers

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Birch Bay Village Marina

BL-NPS-1

Boat Launch Location

Position - Location: 48° 56.122', -122° 47.107' 48° 56' 7.3", -122° 47' 6.4" 48.93537, -122.78511 Blaine

Comments:



GRP Response Strategies Served:

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	1
Cell Phone Coverage	Unknown	
Estimated Lot Size	Square Feet	64000 SqFt
Fuel	Unknown	
Lot Cover (Primary)	Asphalt	
Parking - Car	Not Marked	25
Parking - Trailer	Not Marked	20
Power	Unknown	
Restroom	Not Determined	
User Fee	Unknown	
Water (potable)	Unknown	

Birch Bay Village Marina

BL-NPS-1


SA-NPS-1 Photo: View of boat launch looking toward Birch Bay Marina.

Site Contact

Birch Bay Village

Primary Contact : Main Gate (24-hour)

360-371-7644

Nearest Address

8055 Cowichan Road
Blaine, WA 98230



Driving Directions

BL-NPS-1 Birch Bay Village Marina

1. Head north on I-5 toward Blaine.
2. Take Exit 270 and turn left at end of ramp onto Birch Bay-Lynden Road.
3. Turn left onto Harborview Road.
4. Take sharp right onto Birch Bay Drive.
5. Turn left onto Sehome Road into Birch Bay Village (Main Gate).
6. Turn right onto Cowichan Road.
7. After 800ft you'll have reached the boat ramp; parking area to the right (north) for staging equipment.

Blaine Staging Area - Westman Marine

BL-NPS-2

Boat Launch Location

Position - Location: 48° 59.503', -122° 45.751' 48° 59' 30.2", -122° 45' 45.0" 48.99171, -122.76251 Blaine

Comments: Blaine Boat Ramp



GRP Response Strategies Served:

NPS-03, NPS-02, NPS-01

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	2
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	120000
Fuel	No	
Lot Cover (Primary)	Concrete	
Parking - Car	Marked	44
Parking - Trailer	Marked	61
Parking - Trailer	Not Marked	
Power	No	
Restroom	Restroom - Flush	1
User Fee	No	
Waste Disposal	Pumpout	1
Water (potable)	No	

Blaine Staging Area - Westman Marine

BL-NPS-2

NPS

Boat Launch



SW

N 48° 59' 37.30" W 122° 45' 12.70" UTM 84 07/30/2008 10:08:04 AM

SA-NPS-2 Photo: Drayton Harbor Boat Launch

Site Contact

Blaine Harbor Marina

Primary Contact :
360-647-6176

Nearest Address

235 Marine Drive
Blaine, WA 98230



Driving Directions

1. Head north on I-5 toward Blaine.
2. At exit 276 take ramp on the right to WA-548 S toward Blaine City Center.
3. At roundabout, take 4th exit to proceed southwest on Peace Portal Dr (WA-548).
4. At roundabout, take 1st exit to proceed west on Marine Dr.
6. Finish at 235 Marine Drive, 98230, on the left.

Birch Bay State Park

BL-NPS-16

Boat Launch Location

Position - Location: 48° 54.076', -122° 46.425' 48° 54' 4.5", -122° 46' 25.5" 48.90126, -122.77375 Blaine

Comments: Birch Bay



GRP Response Strategies Served:

NPS-05, NPS-06, NPS-04

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Gravel	1 7 degrees
Cell Phone Coverage	Yes	
Covered Spaces	Yes	Within State Park
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	Marked	25
Parking - Trailer	Marked	11
Power	No	
Restroom	Restroom - Flush	
Restroom	Restroom - Vault	1
User Fee	Yes	7\$ per launch
Waste Disposal	Trash Receptacle	1
Water (potable)	No	

Birch Bay State Park

BL-NPS-16


SA-NPS-16 Photo: View of boat launch looking northwest toward Birch Bay.

Site Contact

Birch Bay State Park

Land/Property Contact : State Park Contact

360-371-2800

Nearest Address

7115 Birch Bay Drive
Blaine, WA 98230



Driving Directions

1. Head north on I-5 toward Blaine.
2. Take the ramp on the right at exit 266 to WA-548 N / Grandview Rd toward Custer.
3. Turn left on WA-548 (Grandview Rd).
4. At the roundabout, take the second exit onto WA-548 W (Grandview Rd).
5. At the roundabout, take the second exit onto Grandview Rd.
6. Bear right on Point Whitehorn Rd.
7. Boat launch will be on the left.

Squalicum Harbor Marina

BL-NPS-48

Boat Launch Location

Position - Location: 48° 45.390', -122° 29.794' 48° 45' 23.4", -122° 29' 47.6" 48.75650, -122.49656 Bellingham

Comments: Afterhours entry/phone numbers: 360-676-2542; 360-739-8131 (cell). Restroom, shower, and laundry facilities closed 10pm - 6:30 am.



GRP Response Strategies Served:

NPS-32

Location Information

Asset	Type/Status	Amount/Number
		\$9 per launch
Boat Dock(s)	Yes	2
Boat Ramp(s)	Concrete, Solid	3
Cell Phone Coverage	Yes	
Covered Spaces	No	
Fuel	Not Determined	
Lot Cover (Primary)	Asphalt	
Parking - Car	Marked	180 Car or 90 Trailer
Parking - Trailer	Marked	180 Car or 90 Trailer
Power	Unknown	
Restroom	Restroom - with Showers	
Waste Disposal	Pumpout	1
Water (potable)	Unknown	

Squalicum Harbor Marina

BL-NPS-48


SA-NPS-48 Photo: View of boat launch looking toward Squalicum Harbor Marina.

Site Contact

Squalicum Harbor Marina

Land/Property Contact :

WA

360-676-2542

Nearest Address

722 Coho Way
Bellingham, WA 98225



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take the ramp on the right at exit 253 toward Lakeway Dr.
3. Turn right at exit 253 on King St toward Lakeway Dr.
4. Turn right on Lakeway Dr.
5. Bear right on E Holly St.
6. Turn left on F St.
7. Turn right on Roeder Ave.
8. Turn left on Coho Way.
9. Turn left on S Harbor Loop Dr.
10. Marina is on the left.

Fisherman's Cove Marina

BL-NPS-57

Boat Launch Location

Position - Location: 48° 43.904', -122° 40.276' 48° 43' 54.3", -122° 40' 16.6" 48.73174, -122.67127 Bellingham

Comments:



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	3000
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Gravel	150
Parking - Trailer	Gravel	75
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	

GRP Response Strategies Served:

SUC-03, ORC-10, JON-01, SJI-08, CLA-01, ORC-12, MAT-04, SUC-08, NPS-24, MAT-05, ORC-08, PAT-04, ORC-11, LUM-01, PAT-02, ORC-03, ORC-01, LUM-04, MAT-02, ORC-07, LUM-03, CLA-02, WAL-02, PAT-01, STU-02, ORC-13, ORC-06, JON-02, ORC-04, MAT-03, STU-03, SJI-01, WAL-01, SUC-04, SJI-11, PAT-03, HEN-02, MAT-01, STU-01, ORC-02, NPS-25, ORC-05, SUC-05, LUM-02

Fisherman's Cove Marina

BL-NPS-57


SA-NPS-57 Photo: From boat launch looking toward Lummi Island.

Site Contact

Fisherman's Cove Marina

Land/Property Owner :

WA

360-758-2450

Nearest Address

2557 Lummi View Drive
Bellingham, WA 98226



Driving Directions

BL-NPS-57 Fisherman's Cove Marina

1. Head north on I-5 toward Bellingham
2. Take exit 260 to Slater Rd toward Lummi I
3. At the roundabout, take the third exit onto Slater R
4. At the roundabout, take the first exit onto Slater R
5. Turn left on Haxton Wa
6. At the roundabout, take the second exit onto Haxton Wa
7. At the roundabout, take the second exit onto Haxton Wa
8. Boat launch will be near Lummi Island Ferry (Gooseberry Point)

Fairhaven Boat Launch

BL-NPS-61

Boat Launch Location

Position - Location: 48° 43.292', -122° 30.576' 48° 43' 17.5", -122° 30' 34.6" 48.72153, -122.50960 Bellingham

Comments:



GRP Response Strategies Served:

NPS-33, NPS-35, NPS-37, NPS-34, NPS-36

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Plank	2 -11 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	1000
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Gravel	20
Parking - Trailer	Marked	25
Power	No	
Restroom	None	
User Fee	Yes	7 per day
Waste Disposal	None	
Water (potable)	No	

Fairhaven Boat Launch

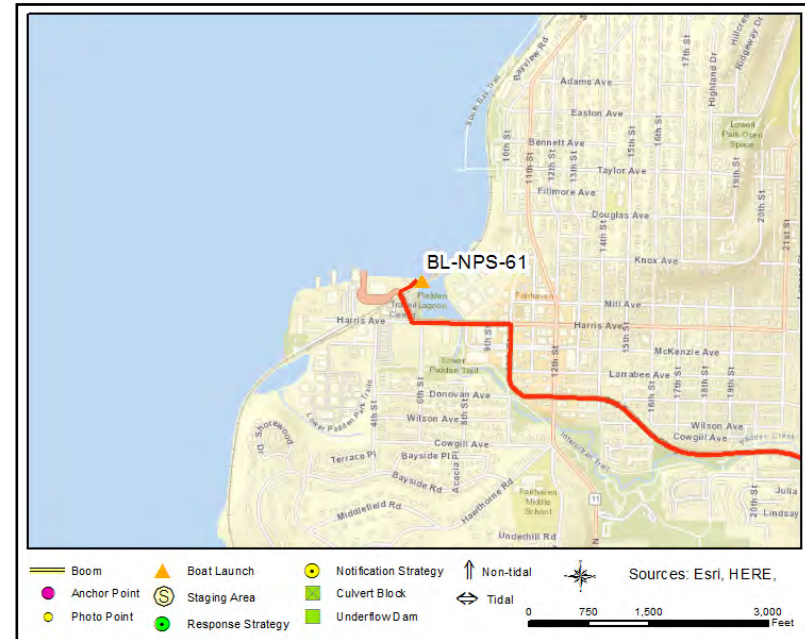
BL-NPS-61


SA-NPS-61 Photo: From parking lot looking east toward boat launch.

Site Contact

Nearest Address

501 Harris Avenue
Bellingham, WA 98225



Driving Directions

1. Head north on I-5 toward Bellingham.
2. Take exit 250 for WA-11 S/Old Fairhaven Pkwy toward Chuckanut Dr.
3. Turn left on WA-11 (Old Fairhaven Pky).
4. Continue on Donovan Ave.
5. Bear right on 10th St.
6. Turn left on Harris Ave.
7. Boat launch is on the right (Bellingham Cruise Terminal/Fairhaven Moorage).

Larrabee State Park

BL-NPS-79

Boat Launch Location

Position - Location: 48° 39.257', -122° 29.623' 48° 39' 15.4", -122° 29' 37.4" 48.65428, -122.49371 Bellingham

Comments:



Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	None
Boat Ramp(s)	Concrete, Solid	1 -6 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Other	14,000 SqFt
Lot Cover (Primary)	Gravel	
Parking - Car	Not Marked	15
Parking - Trailer	Not Marked	25
Power	No	
Restroom	Restroom - Vault	1
User Fee	Yes	Discovery Pass, \$5 Launch
Waste Disposal	Trash Receptacle	2
Water (potable)	No	

GRP Response Strategies Served:

NPS-45, NPS-41, NPS-44

Larrabee State Park

BL-NPS-79


SA-NPS-79 Photo: View of boat launch from parking lot looking towards Wild Cat Cove.

Site Contact

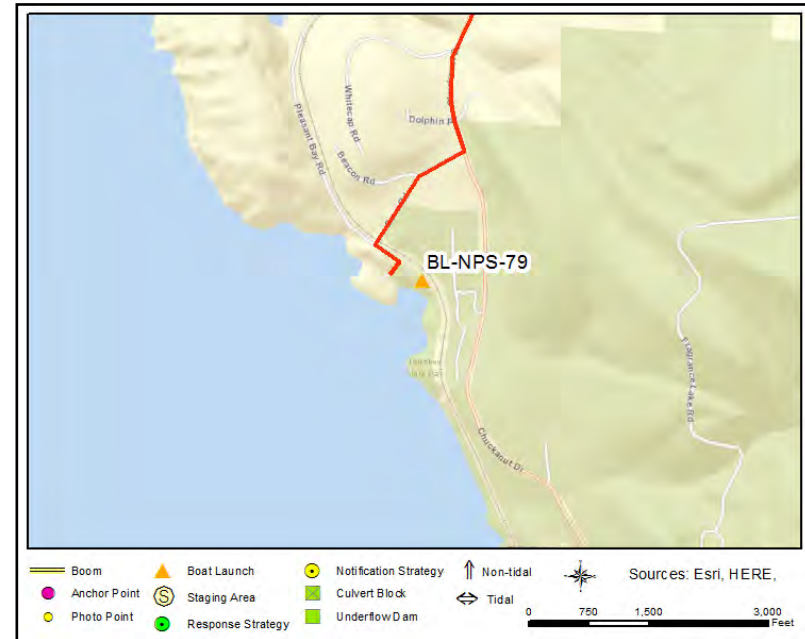
Larrabee State Park

Primary Contact : Park Ranger

Bellingham, WA 98227
360-676-2093

Nearest Address

348 Cove Road
Bellingham, WA 98229



Driving Directions

1. Head north on I-5 toward Bellingham
2. Take the ramp on the right at exit 250 to WA-11 S / Old Fairhaven Pkwy toward Chuckanut Dr.
3. Turn left on Old Fairhaven Pkwy (WA-11).
4. Turn left on 30th St.
5. Turn right on Old Samish Rd.
6. Make a sharp left on WA-11 (Chuckanut Dr).
7. Turn right on Cove Rd.
8. Make a sharp left at Pleasant Bay Rd to stay on Cove Rd.
9. Finish at 348 Cove Road, 98229, on the left.

Port of Anacortes Commercial Ramp

BL-NPS-119

Boat Launch Location

Position - Location: 48° 31.255', -122° 36.328' 48° 31' 15.3", -122° 36' 19.7" 48.52092, -122.60546 Anacortes

Comments:



GRP Response Strategies Served:

GUE-02, NPS-73, GUE-01, VEN-01, GUE-05, VEN-03, VEN-04, NPS-78, NPS-72, NPS-80, GUE-03, GUE-06, NPS-46, NPS-74, NPS-81, VEN-02, VEN-05, GUE-04

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	1 -5 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Other	No dedicated lot, but near Cap Sante
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	None	Cap Sante nearest parking
Parking - Trailer	None	Nearest parking Cap Sante
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	

Port of Anacortes Commercial Ramp

BL-NPS-119


SA-NPS-119 Photo: From top of boat launch looking north toward Guemes Island.

Site Contact

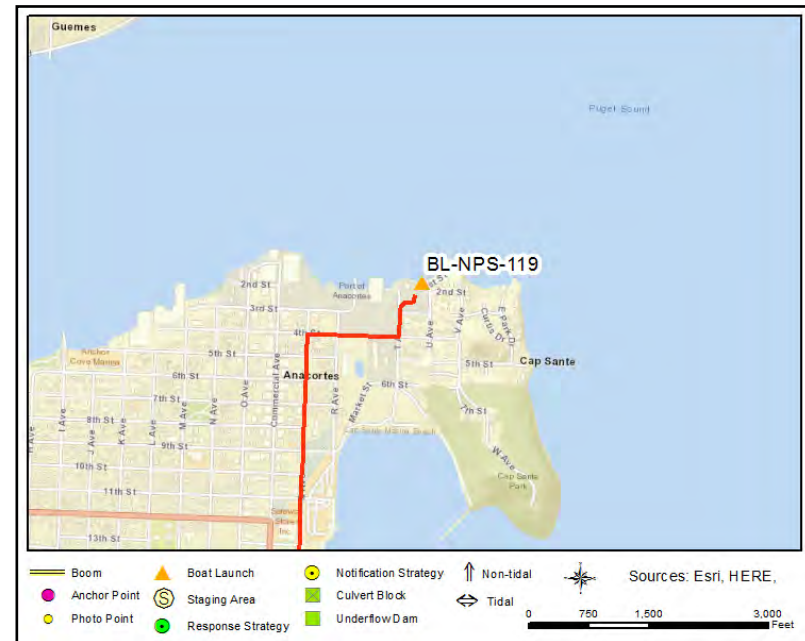
Port of Anacortes

Primary Contact : Neighboring Property

360-293-3134

Nearest Address

510 3rd Street
Anacortes, WA 98221



Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on R Ave.
5. At the roundabout, take the second exit onto R Ave.
6. Turn right on 4th St.
7. Turn left on T Ave.
8. Turn right into parking lot after 3rd St. Boat ramp is behind restaurant.

Washington Park

BL-NPS-128

Boat Launch Location

Position - Location: 48° 30.002', -122° 41.549' 48° 30' .1", -122° 41' 33.0" 48.50004, -122.69249 Anacortes

Comments: Follow signs in park for boat launch, trailer parking, and vehicle parking



GRP Response Strategies Served:

SHA-04, CYP-04, LOP-09, SHA-06, SJI-09, LOP-17, LOP-05, SUC-01, LOP-02, DEC-02, CYP-01, CYP-03, SJI-10, LOP-06, SHA-01, LOP-14, BLA-01, LOP-08, SJI-06, NPS-82, LOP-13, SJI-05, LOP-01, JAM-01, SHA-05, CYP-02, LOP-03, LOP-16, SJI-07, NPS-84, BLA-02, LOP-10, LOP-07, SHA-02, DEC-01, JAM-02, SJI-02, LOP-12

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1 2019 storm damage in photo
Boat Ramp(s)	Concrete, Solid	2 Concrete covered in gravel (restoration)
Cell Phone Coverage	Yes	
Covered Spaces	Yes	3 Covered picnic areas
Estimated Lot Size	Field	Multiple lots in park for cars/trailers
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Marked	20 Closer to launch
Parking - Trailer	Gravel	100 Up the hill from the launch
Power	Yes	Covered picnic areas have power
Restroom	Restroom - Portable	1
Restroom	Restroom - with Showers	8 Flush with showers near loop road
User Fee	Yes	For Trailer Parking Only
Waste Disposal	Dump Station	
Water (potable)	No	

Washington Park

BL-NPS-128


SA-NPS-128 Photo: View of boat launch looking north toward Cypress Island.

Site Contact

Washington Park-Anacortes

Land/Property Contact :

360-661-3463

Nearest Address

6300 Sunset Avenue
Anacortes, WA 98221



Driving Directions

BL-NPS-128 Washington Park

1. Head north on I-5 toward Mt. Verno
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA-20)
3. Take a left onto WA-20 W, continuing toward Anacorte
4. In Anacortes, take first exit in roundabout for Commercial Av
5. Take a left on 12th street (Hwy 20), toward the ferry terminal
6. Bear left, continuing on Sunset Ave past the ferry terminal
7. Follow signs in the park to the boat launch and parkin

March Point

BL-NPS-130

Boat Launch Location

Position - Location: 48° 29.900', -122° 33.423' 48° 29' 54.0", -122° 33' 25.4" 48.49834, -122.55705 Anacortes

Comments: May need to remove debris from launch. Incredibly shallow angle and water- need a higher tide to launch from here.



GRP Response Strategies Served:

NPS-71

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Gravel	1
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	3000
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Gravel	
Parking - Trailer	Gravel	Pull off locations north of boat launch
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	

March Point

BL-NPS-130


Photo: From road looking toward the boat launch and Padilla Bay.

Site Contact

Nearest Address

1000 March's Point Road
Anacortes, WA 98221



Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes.
4. Turn right on S March's Point Rd (first right after Twin Bridges).
5. Turn right to stay on March's Point Rd.
6. Boat launch will be on the right near northern most extent of March Point.

Fidalgo Bay Resort

BL-NPS-134

Boat Launch Location

Position - Location: 48° 29.023', -122° 35.477' 48° 29' 1.4", -122° 35' 28.6" 48.48371, -122.59128 Anacortes

Comments: Fidalgo Bay



GRP Response Strategies Served:

NPS-76, NPS-75, NPS-77

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1 -7 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	1500
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Marked	6
Parking - Trailer	Not Marked	
Power	Yes	
Restroom	Restroom - Flush	
User Fee	No	
Waste Disposal	Trash Receptacle	
Water (potable)	Yes	

Fidalgo Bay Resort

BL-NPS-134


SA-NPS-134 Photo: View of boat launch looking toward March's Point, over Fidalgo Bay.

Site Contact

Fidalgo Bay Resort

Land/Property Owner :

WA

360-293-5353

Nearest Address

4701 Fidalgo Bay Road
Anacortes, WA 98221



Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Take a left onto WA-20 W, continuing toward Anacortes. Stay in right lane to bypass roundabout and continue on Hwy-20.
4. Turn right on Fidalgo Bay Rd (first right after roundabout).
5. Turn right on Weaverling Rd. Boat launch through parking lot, after crossing Tommy Thompson Trail.

Padilla Bay

BL-NPS-136

Boat Launch Location

Position - Location: 48° 29.074', -122° 28.726' 48° 29' 4.5", -122° 28' 43.6" 48.48457, -122.47877 Mount Vernon

Comments: High tide use only- Padilla Bay a mudflat during lower tides.



GRP Response Strategies Served:

NPS-52.2, NPS-51, NPS-54, NPS-53, NPS-52.1, NPS-52.3

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	No	
Boat Ramp(s)	Concrete, Solid	1 -6 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	2500
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	Not Marked	5
Parking - Trailer	Not Marked	5 Only 5 spots total- either could use
Power	No	
Restroom	None	
User Fee	No	
Waste Disposal	None	
Water (potable)	No	

Padilla Bay

BL-NPS-136


SA-NPS-136 Photo: View of boat launch looking west toward Fidalgo Island, over Padilla Bay.

Site Contact

Nearest Address

11068 Bayview Edison Road
Mount Vernon, WA 98273



Driving Directions

1. Head north on I-5 toward Mt. Vernon.
2. Bear right onto the ramp at exit 230 toward Burlington/Anacortes (WA 20).
3. Turn right on WA-237 (Farm To Market Rd)
4. Turn left on Bay View Rd (Bayview Rd)
5. Turn right on Bayview-Edison Rd (Bayview Edison Rd)
6. Boat launch is on the left near series of large blue buildings.

Swinomish Channel (Hwy 20 Bridge)

BL-NPS-147

Boat Launch Location

Position - Location: 48° 27.275', -122° 30.788' 48° 27' 16.5", -122° 30' 47.3" 48.45458, -122.51314 Mount Vernon

Comments:



GRP Response Strategies Served:

NPS-93, NPS-57, NPS-60, NPS-91

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	1
Boat Ramp(s)	Concrete, Solid	2 , 6 degree grade
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	98000
Fuel	No	
Lot Cover (Primary)	Asphalt	
Parking - Car	Marked	25
Parking - Trailer	Marked	75
Power	Yes	
Restroom	Restroom - Flush	2
User Fee	Yes	\$8 per day
Waste Disposal	Trash Receptacle	4
Water (potable)	Yes	

Swinomish Channel (Hwy 20 Bridge)

BL-NPS-147


SA-NPS-147 Photo: View of boat launch looking west toward Fidalgo Island over the Swinomish Channel.

Site Contact

Skagit County Parks and Recreation Department

Land/Property Owner : Weekday Office
1730 Continental Place
Mt Vernon, WA 98273
360-416-1350

Nearest Address

10899 Josh Green Lane
Mount Vernon, WA 98273



Driving Directions

BL-NPS-147 Swinomish Channel

1. Take Interstate 5 Exit 230 in Burlington and travel west on Hwy 20 for 7.2 miles.
2. Turn right on Josh Green Lane and take immediate turn towards the left to stay on roadway. The turn for Josh Green Lane is about 0.9 miles east of the Swinomish Channel Bridge.
3. Follow Josh Green Lane for ~0.7 miles, turning left into boat launch parking area under the Hwy 20 Bridge.
4. Stage equipment in parking area and notify Skagit County Parks and Recreation Department; call 360-336-9414.

Deception Pass State Park (Bowman Bay)

BL-NPS-164

Boat Launch Location

Position - Location: 48° 24.998', -122° 39.077' 48° 24' 59.9", -122° 39' 4.6" 48.41664, -122.65129 Anacortes

Comments: Bowman Bay



GRP Response Strategies Served:

NPS-102, NPS-101, NPS-103

Location Information

Asset	Type/Status	Amount/Number
Boat Dock(s)	Yes	Off pier, limited space
Boat Ramp(s)	Concrete, Solid	1 8 degrees
Cell Phone Coverage	Yes	
Covered Spaces	No	
Estimated Lot Size	Square Feet	24000
Fuel	No	
Lot Cover (Primary)	Gravel	
Parking - Car	Gravel	40
Parking - Trailer	Gravel	18
Power	No	
Restroom	Restroom - Flush	2
User Fee	Yes	\$10/day or Discover Pass
Waste Disposal	None	Pack it in, Pack it out
Water (potable)	No	

Deception Pass State Park (Bowman Bay)

BL-NPS-164


SA-NPS-164 Photo: Photo of ramp, looking out over Bowman Bay at high-tide.

Site Contact

Bowman Bay State Parks

Land/Property Contact : Property Managers

WA

360-902-8844

Nearest Address

4380 Bowman Bay Road
Anacortes, WA 98221



Driving Directions

1. Head north on I-5.
2. At exit 230 bear right onto ramp toward Burlington (WA-20) / Anacortes.
3. Take a left onto WA-20 W, heading towards Anacortes.
4. At roundabout take second exit, heading towards Oak Harbor.
5. At roundabout, take the second exit to proceed on WA-20 N (Cascade Loop).
6. Turn right on Rosario Rd after Pass Lake.
7. Take an immediate left onto Bowman Bay Rd.
7. At stop sign at the bottom of the hill, make a left toward the gravel lot. Boat ramp is on the far side of the gravel lot.