Northwest Division

Bellingham Subdivision

Reference to:
NWACP Geographical Response Plan

Reference the Entire Document as soon as possible to consult with Agency Responders. The full document can be found at:
http://www.ecy.wa.gov/programs/spills/preparedness/GRP/Introduction/introduction.htm

Map Key

 Mile Post Markers (BNSF)

 Geographic Response Plans (GRPs)

 Creek/Slough/River Crossing

 Creek/Slough/River/Bay Crossing and Adjacent

 Creek/Slough/River Adjacent

 Bay/Sound Adjacent

 Lake Adjacent

 Area of detail (red dashed rectangles)

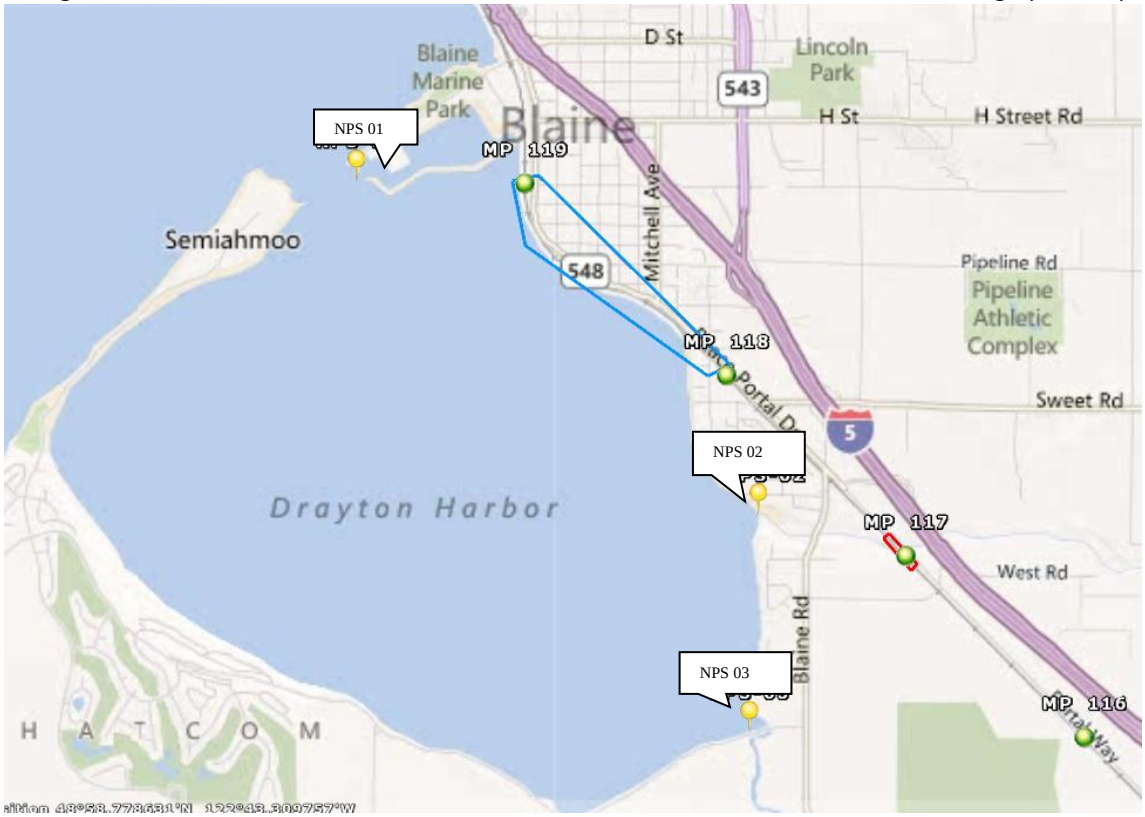
Bellingham Subdivision GRP Links

MP 119 – MP 72: North Puget Sound (NPS) GRPs

MP 72 – MP 0: North Central Puget Sound (NC) GRPs

http://www.ecy.wa.gov/programs/spills/preparedness/GRP/Introduction/introduction.htm

Bellingham Subdivision MP 119-116



Strategy	Location	Response Strategy	Length of Boom	Strategy Implementation
NPS-01	Drayton Harbor Entrance N 48° 59.540' W 122° 46.097' map page 4-17 Chart #: 18421	Collection, exclusion -Keep oil out of Drayton Harbor, collect oil if possible.	1000ft B2 - Contractor Boom	Deploy boom at an angle out from the Blaine small boat harbor breakwater to collect oil moving along the shore; adjust angle based on direction of oil movement. Area is vac truck accessible. Additional legs of boom maybe needed depending on real-time conditions.
NPS-02	Dakota Creek N 48° 58.345' W 122° 43.717' map page 4-17 Chart #: 18421	Exclusion, collection - Keep oil from moving up creek, if oil is present collect.	500ft B2 - Contractor Boom	At high tide will need small work boat to deploy boom across creek at an angle. Other times may be able to deploy with line and bridge. Site is vac truck accessible, may need booster pump and extra hose. Deploy boom at an angle, adjust based on real-time conditions.
NPS-03	California Creek N 48° 57.711' W 122° 43.946' map page 4-17 Chart #: 18421	Collection, exclusion -Keep oil from moving up creek.	300ft B2 - Contractor Boom	Deploy boom at an angle across creek under the bridge on Drayton Harbor Road to collect on the southeast side of bridge. Best access on nw side of bridge. Should be able to use lines and bridge to deploy without a boat. If oil present, vac truck should be able to collect, but will need hose and booster pump. Vac truck must remain on road or hardened surface.

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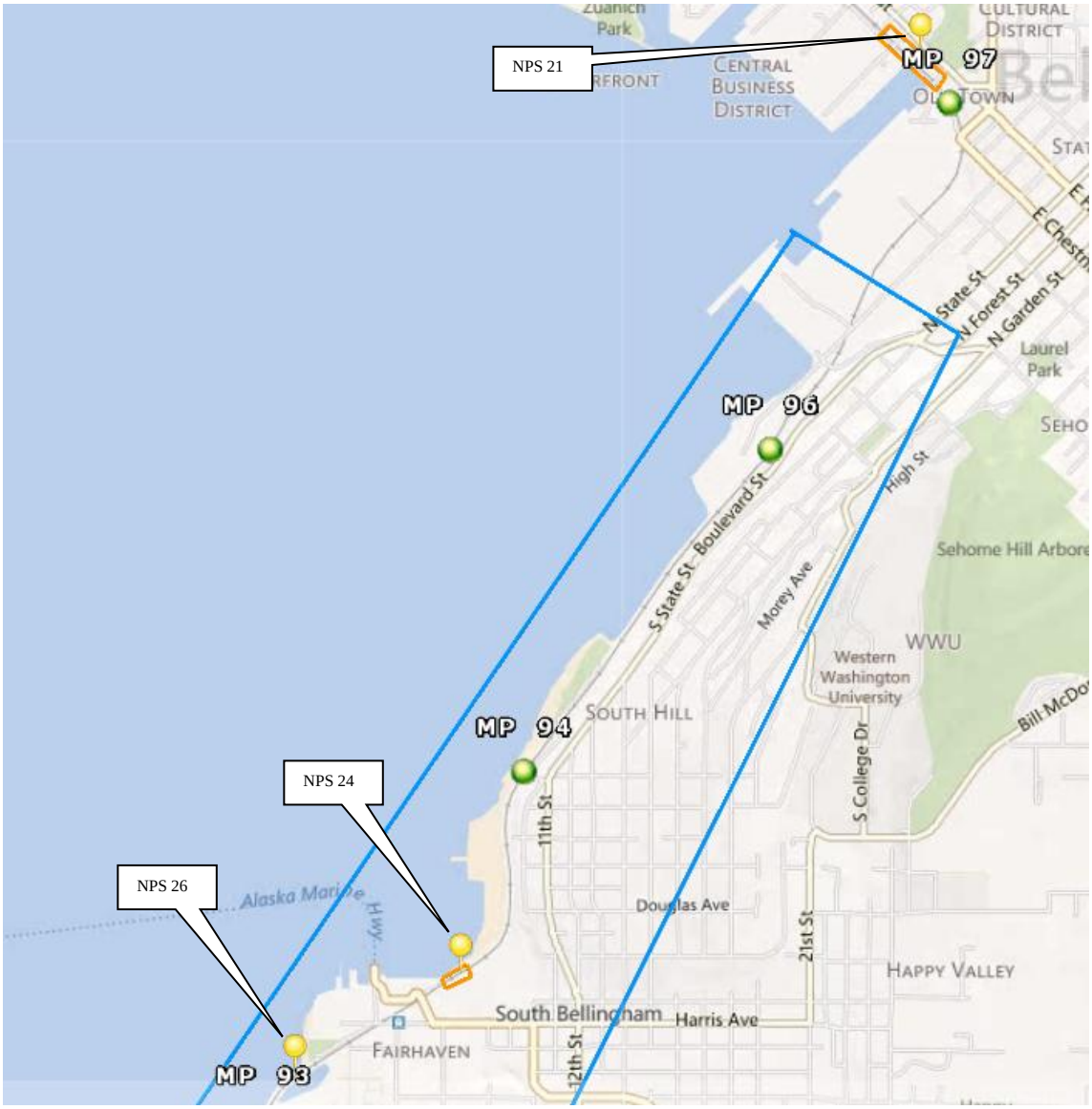
Bellingham Subdivision MP 107-99

See table on following page for GRP description

MP 107 - MP 99

Strategy	Location	Response Strategy	Length of Boom	Strategy Implementation
NPS-10	Water Intake Nooksack River N 48° 47.452' W 122° 35.409' map page 4-22	Notification -Keep oil from entering water intake.		Provide notice, Lummi Nation to put eyes on the water, if oil observed pump to be shut down. Contact immediately or before entering: Contact Lummi Nation, (W) 360 384-2266, (M) 360-410-1706, (H) 360 384-2225, First number is for police, second and third is for natural resources dept. Lummi Nation Sea Ponds, Seaponds Hatchery Manager Bob Hall (360-384-2221) Natural Resources Department Executive Director Merle Jefferson (360-410-1706)
NPS-18	Kwina Slough (S entrance) N 48° 46.409' W 122° 36.038' map page 4-22 Chart #: 18424	Exclusion, collection - Keep oil out of slough, and collect if possible.	300ft B2 - Contractor Boom	Deploy boom at an angle across south entrance to slough. Adjust angle based on spill origin point to collect at shore. Vac truck access at Native American Shellfish, 3622 Lummi Shore Road. Vac truck must remain on road or hardened surface. Contact immediately or before entering: Contact Lummi Nation, (W) 360 384-2266, (M) 360-410-1706, (H) 360 384-2225, First number is for police, second and third is for natural resources dept.
NPS-20	Mouth of Nooksack N 48° 46.297' W 122° 35.997' map page 4-22	Collection, exclusion - Keep oil from going up slough and river, collect oil if possible	500ft B2 - Contractor Boom	Deploy boom at an angle to allow for collection along shore. Adjust angle and anchors based on real-time conditions. Area is vac truck accessible. Vac truck must remain on road or hardened surface. Contact immediately or before entering: Contact Lummi Nation, (W) 360 384-2266, (M) 360-410-1706, (H) 360 384-2225, First number is for police, second and third is for natural resources dept.

Bellingham Subdivision MP 97-93

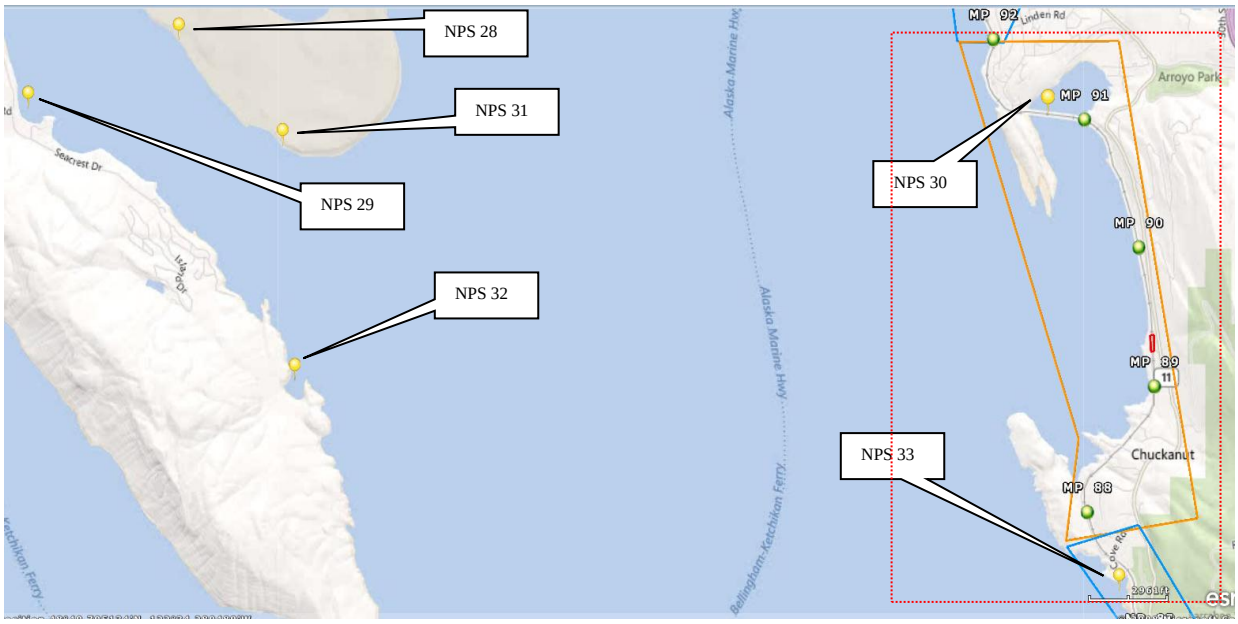


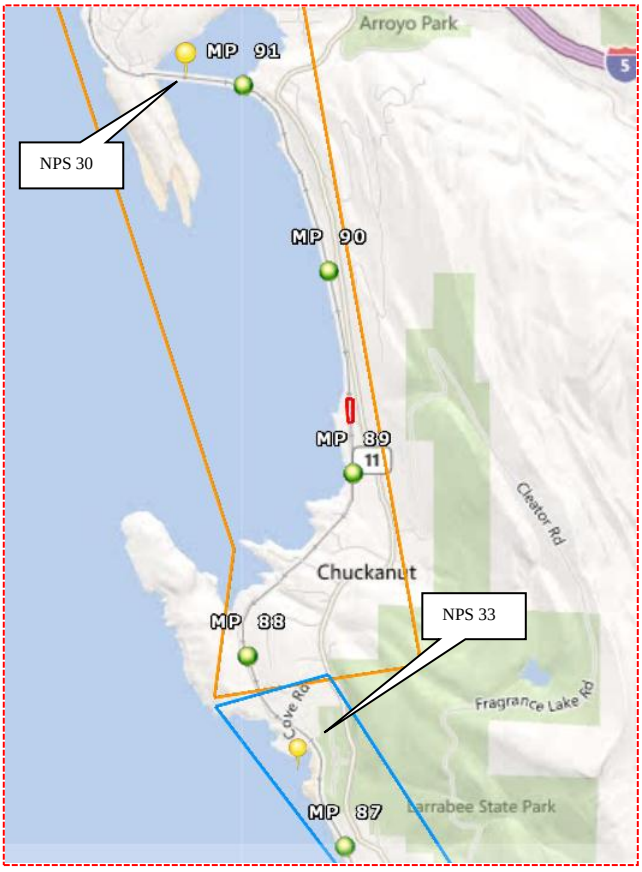
See table on following page for GRP description

MP 97 - MP 93

Strategy	Location	Response Strategy	Length of Boom	Strategy Implementation
NPS-21	Whatcom Creek N 48° 45.154' W 122° 29.098' map page 4-22 Chart #: 18424	Exclusion - Keep oil from moving up into or out of the mouth of Whatcom Creek.	300ft B2 - Contractor Boom	Deploy boom at an angle across the waterway. If possible adjust angle to allow for collection with vac truck. A small workboat or skiff will be needed to deploy the boom. Note: adjust location as needed to accommodate moored vessels.
NPS-24	Padden Creek N 48° 43.309' W 122° 30.505' map page 4-22 Chart #: 18424	Exclusion -Keep oil out of creek.	200ft B2 - Contractor Boom	Deploy 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. Will need a small workboat to set the anchor at the apex of the chevron.
NPS-26	Lagoon at the Port of Bellingham Marine Park N 48° 43.159' W 122° 31.099' map page 4-22 Chart #: 18424	Exclusion -Keep oil out of lagoon	200ft B2 - Contractor Boom	Deploy 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. Will need a small workboat to set the anchor at the apex of the chevron.

Bellingham Subdivision MP 92-88

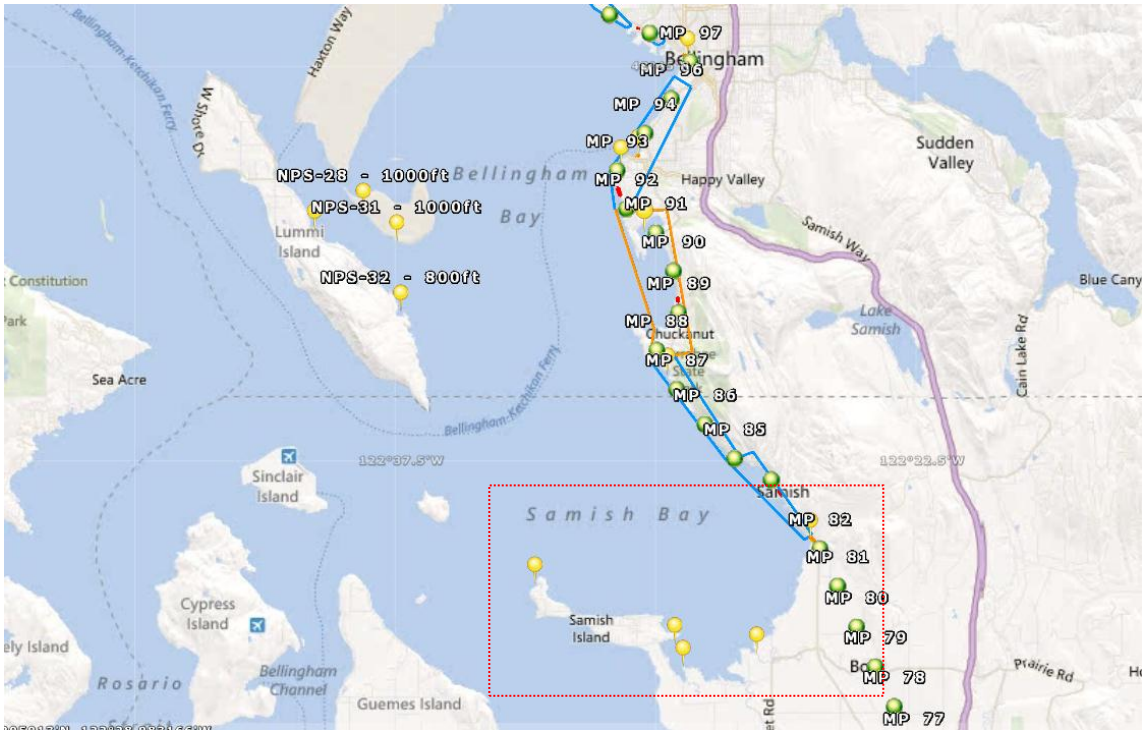




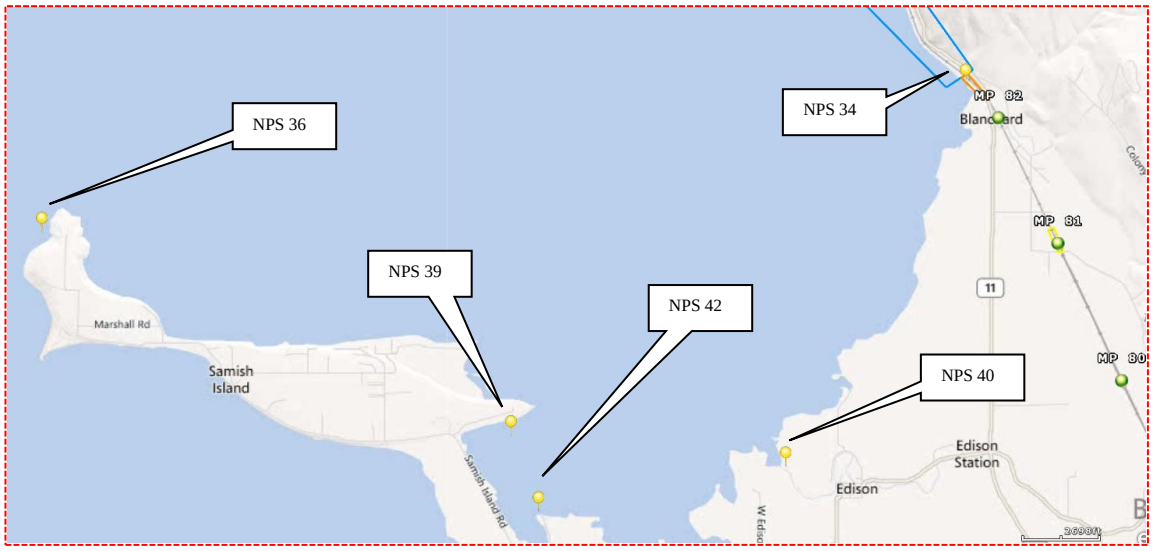
MP 92 – MP 88

Strategy	Location	Response Strategy	Length of Boom	Strategy Implementation
NPS-28	Portage Island Westside N 48° 42.332' W 122° 38.771' map page 4-21 Chart # 18424	Collection - Collect oil on shore, use vac truck to remove oil.	1000ft B2 - Contractor Boom	Deploy boom from shore, angle to use currents to collect oil at shore for vac truck. Adjust angle and anchors based on real-time conditions. Currents and winds can be strong in this area. All heavy equipment must must remain on road or hardened surface. Contact immediately or before entering: Contact Lummi Nation, (W) 360 384-2266, (M) 360-410-1706, (H) 360 384-2225, First number is for police, second and third is for natural resources dept.
NPS-29	Sunrise Cove (E side of Lummi Island) N 48° 41.895' W 122° 39.799' map page 4-21 Chart #: 18424	Exclusion - Keep oil out of Sunrise Cove.	1200ft B2 - Contractor Boom	Secure boom to shore at an angle across bay.
NPS-30	Chuckanut Creek N 48° 41.773' W 122° 30.333' map page 4-22 Chart #: 18424	Exclusion -Keep oil out of creek & North Chuckanut Bay.	400ft B2 - Contractor Boom	Deploy boom in chevron configuration in front of gap in railroad trestle to isolate bay and creek. Anchor to railroad trestle. Flow through gap may be significant during tidal exchanges, adjust angle as needed.
NPS-31	Point Francis (SW corner of Portage Island) N 48° 41.580' W 122° 37.376' map page 4-22 Chart #: 18424	Collection -Collect oil as it is moving up or down Hale Passage	1000ft B2 - Contractor Boom	Deploy boom at an angle out from the southwest corner of Portage Island to collect the oil. Adjust angle based on real-time conditions. Contact immediately or before entering: Contact Lummi Nation, (W) 360 384-2266, (M) 360-410-1706, (H) 360 384-2225, First number is for police, second and third is for natural resources dept.
NPS-32	Inati Bay (E side of Lummi Island) N 48° 40.365' W 122° 37.327' map page 4-22 Chart #: 18424	Exclusion -Keep oil out of Inati Bay.	800ft B2 - Contractor Boom	Secure boom to shore at an angle across bay entrance. Use stakes on beach and in-line anchors along boom to hold in place.
NPS-33	Larrabee State Park, Wildcat Cove N 48° 39.154' W 122° 29.653' map page 4-26 Chart #: 18424	Exclusion -Keep oil out of Wildcat Cove.	800ft B2 - Contractor Boom	Deploy boom across the entrance of the cove. Place anchors along boom as well as end points. Note: there is a boat ramp in the North cove.

Bellingham Subdivision MP 97 - 77



Bellingham Subdivision MP 82-80

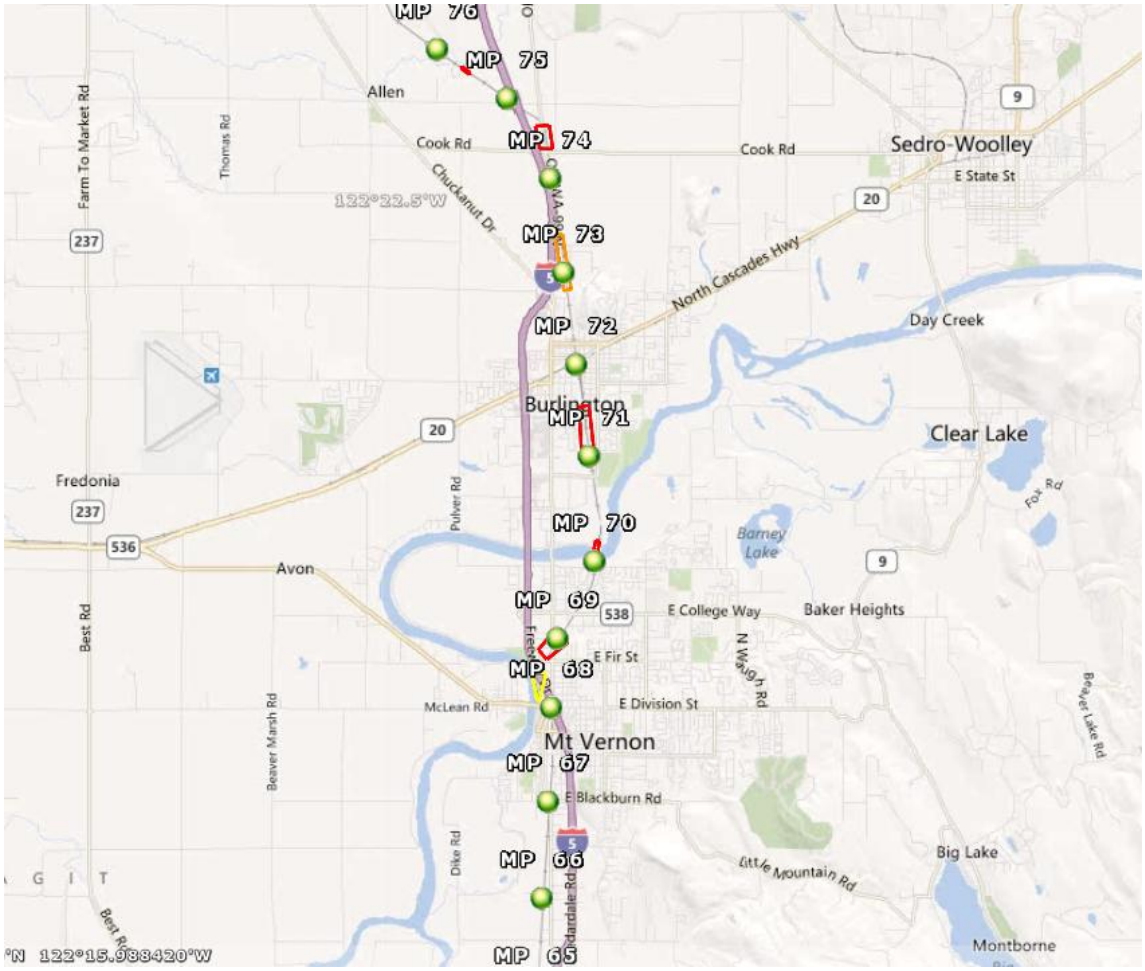


See table on following page for GRP description

MP 82 – MP 80

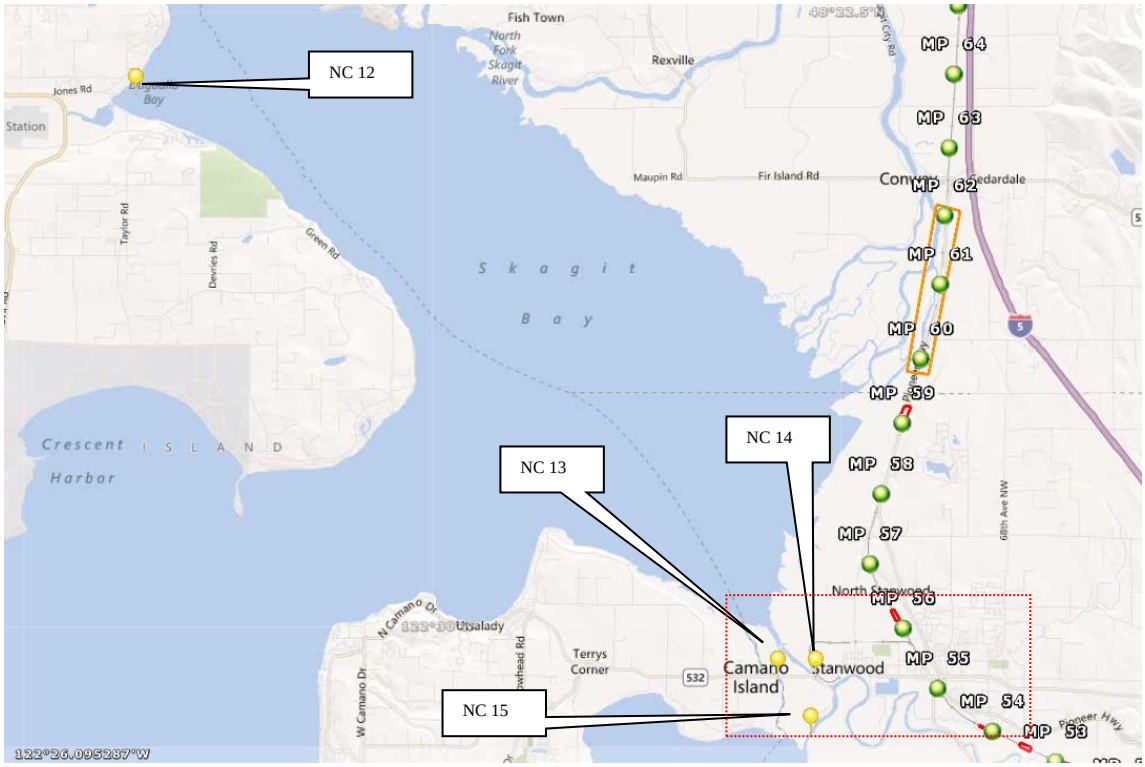
Strategy	Location	Response Strategy	Length of Boom	Strategy Implementation
NPS-34	Harrison and Colony Creeks N 48° 36.022' W 122° 25.529' map page 4-26 Chart #: 18424	Exclusion -Keep oil out of Creek.	300ft B2 - Contractor Boom	Deploy boom across the entrance to the creek as a chevron in front of the railroad trestle. Necessary only at high tide. Can be deployed from land.
NPS-36	South Side of Williams Point N 48° 35.164' W 122° 33.579' map page 4-23	Exclusion -Keep oil out of cove.	1000ft B2 - Contractor Boom	Deploy boom in a chevron, adjust angle and anchors based on real-time conditions.
NPS-39	Alice Bay (N Entrance) N 48° 34.042' W 122° 29.480' map page 4-26 Chart #: 18424	Exclusion -Keep oil out of Alice Bay.	900ft B2 - Contractor Boom	Deploy boom across the north entrance from the south shoreline directly across from the island in front of Siwash slough. The island between the north and south entrances is very low and may not block oil at extreme high tides. Area is shallow and becomes a mudflat at low tide. Winds can be extreme around Scott's Point.
NPS-40	Edison Slough N 48° 33.999' W 122° 27.265' map page 4-26 Chart #: 18424	Exclusion -Keep oil out of Edison Slough.	600ft B2 - Contractor Boom	Deploy boom across entrance to slough in a chevron. Can only be deployed at high tide(+8), boat access only. Area becomes a mudflat at low tide.
NPS-42	Alice Bay (S Entrance) N 48° 33.590' W 122° 29.190' map page 4-27 Chart #: 18424	Exclusion -Keep oil out of Alice Bay.	300ft B2 - Contractor Boom	Deploy boom across south entrance at the foot bridge. The island between the north and south entrances is very low and may not block oil at extreme high tides. May be able to deploy from land. Area is shallow and becomes a mudflat at low tide.

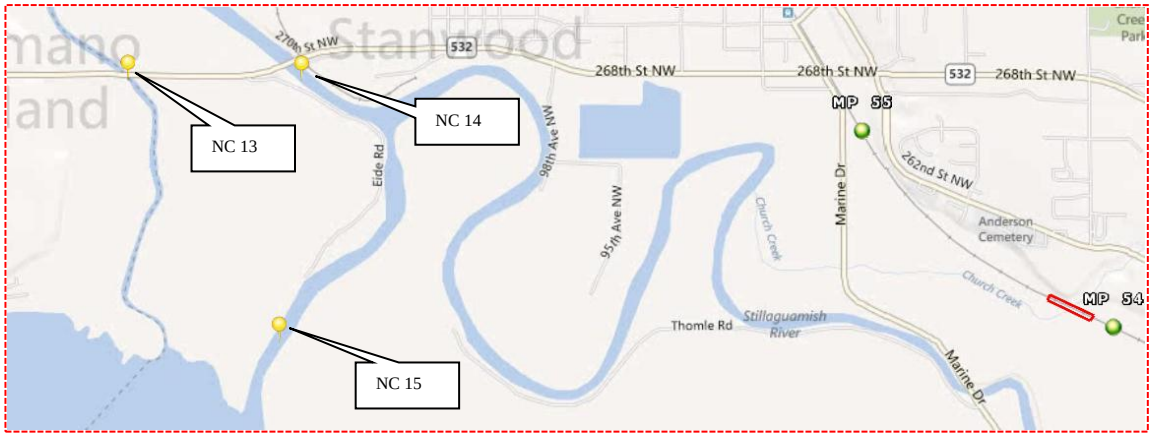
Bellingham Subdivision MP 76-65



No current GRPs in this area

Bellingham Subdivision MP 64 - 53





See table on following page for GRP description

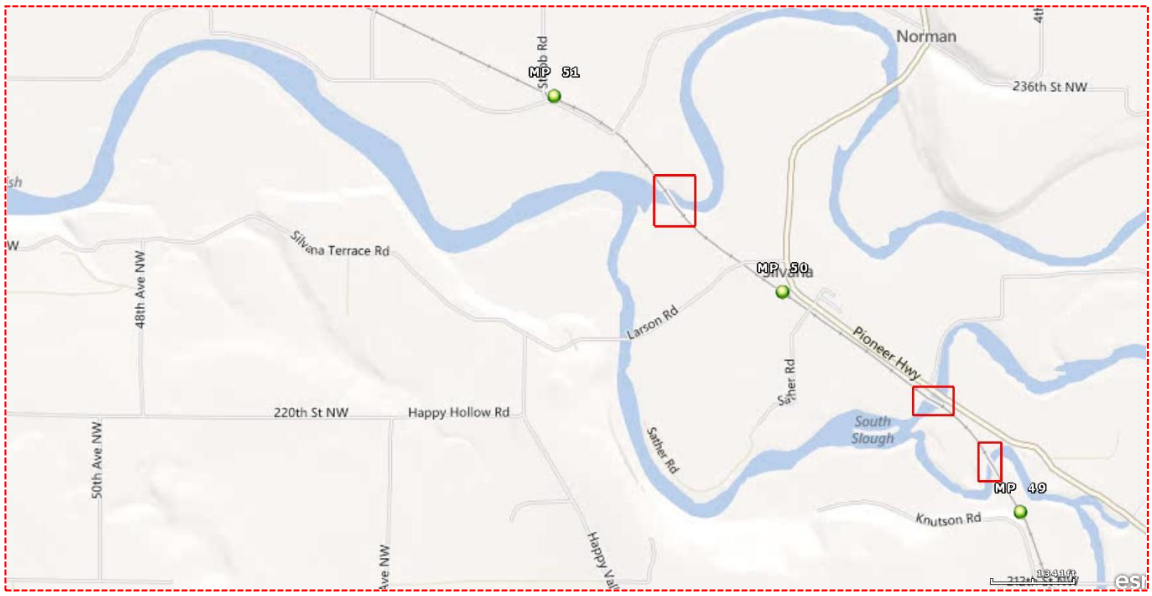
MP 64 – MP 53

Strategy	Location	Response Strategy	Length of Boom	Strategy Implementation
NC-12	Dugualla Bay (Northeast side of Whidbey Island) ISL0282 48º-21.415'N 122º-35.815'W	Exclusion - Keep oil out of the inner bay.	100'	Deploy boom in front of the culvert/tide gate. Closing the tide gate or blocking the culvert with boards, sandbags, etc. would be more effective.
NC-13	Davis Slough (at Highway 532 bridge) ISL0617 48º-14.365'N 122º-23.645'W	Exclusion/ Collection - Keep oil from moving through the slough.	400'	Deploy boom across the slough south of the bridge at Highway 532. Angle the boom to collect oil from the east side, depending on the direction the oil is coming from.
NC-14	West Pass (at Highway 532 bridge) SNO0020 48º-14.415'N 122º-23.015'W	Exclusion/ Collection - Keep oil from moving through the pass.	400'	Deploy boom across the pass under the bridge at Highway 532. Angle the boom to collect oil from either side, depending on the direction the oil is coming from.
NC-15	South Pass (North end of Port Susan, connection to Skagit Bay) SNO0023 48º-13.695'N 122º-23.070'W	Exclusion/ Collection - Keep oil from moving through the pass.	500'	Deploy boom across the entrance to South Pass at a narrow spot between the dike on each side. Angle the boom to collect oil from the road on the west side, depending on the direction the oil is coming from.

Bellingham Subdivision MP 52 - 48

Strategy	Location	Response Strategy	Length of Boom	Strategy Implementation
NC-16	Triangle Cove (East side of Camano Island) ISL0588 48º-11.765'N 122º-27.870'W	Exclusion/ Collection - Keep oil out of the cove.	800'	Deploy boom from Barnum Point to the tip of the sand spit at the entrance to the cove, and then back to the east shore at an angle to the northeast for collection from Barnum Road. Tidal currents through the entrance can be strong, but the double boom configuration should slow the oil enough for collection at the second boom.

MP 51 - 49



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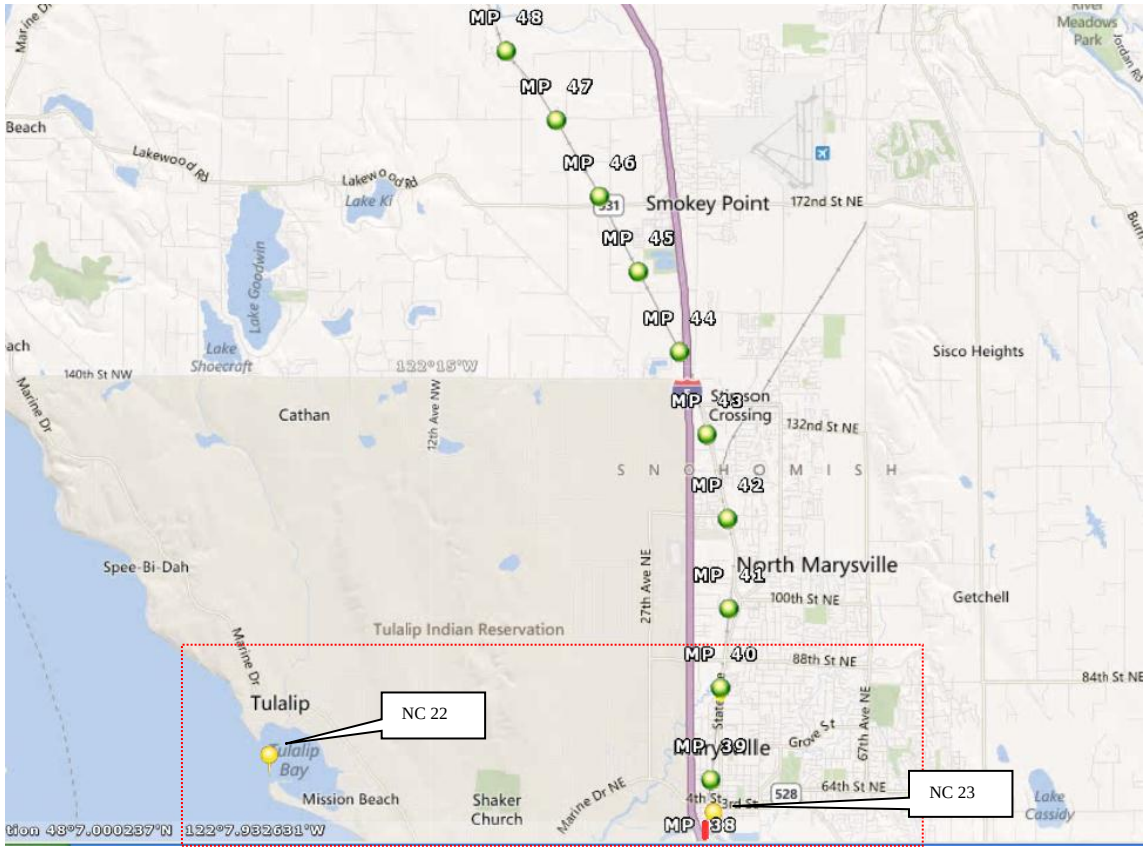
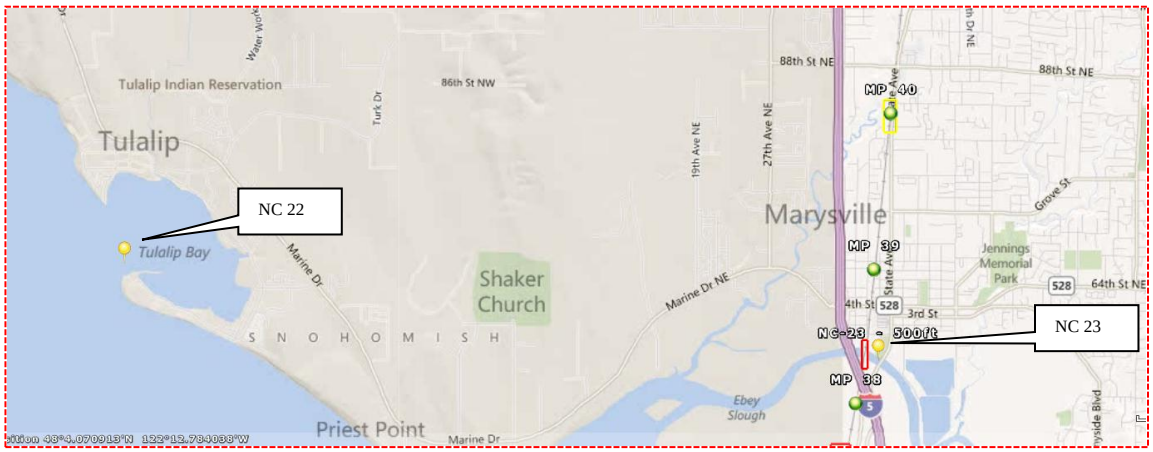
Bellingham Subdivision MP 48 - 38



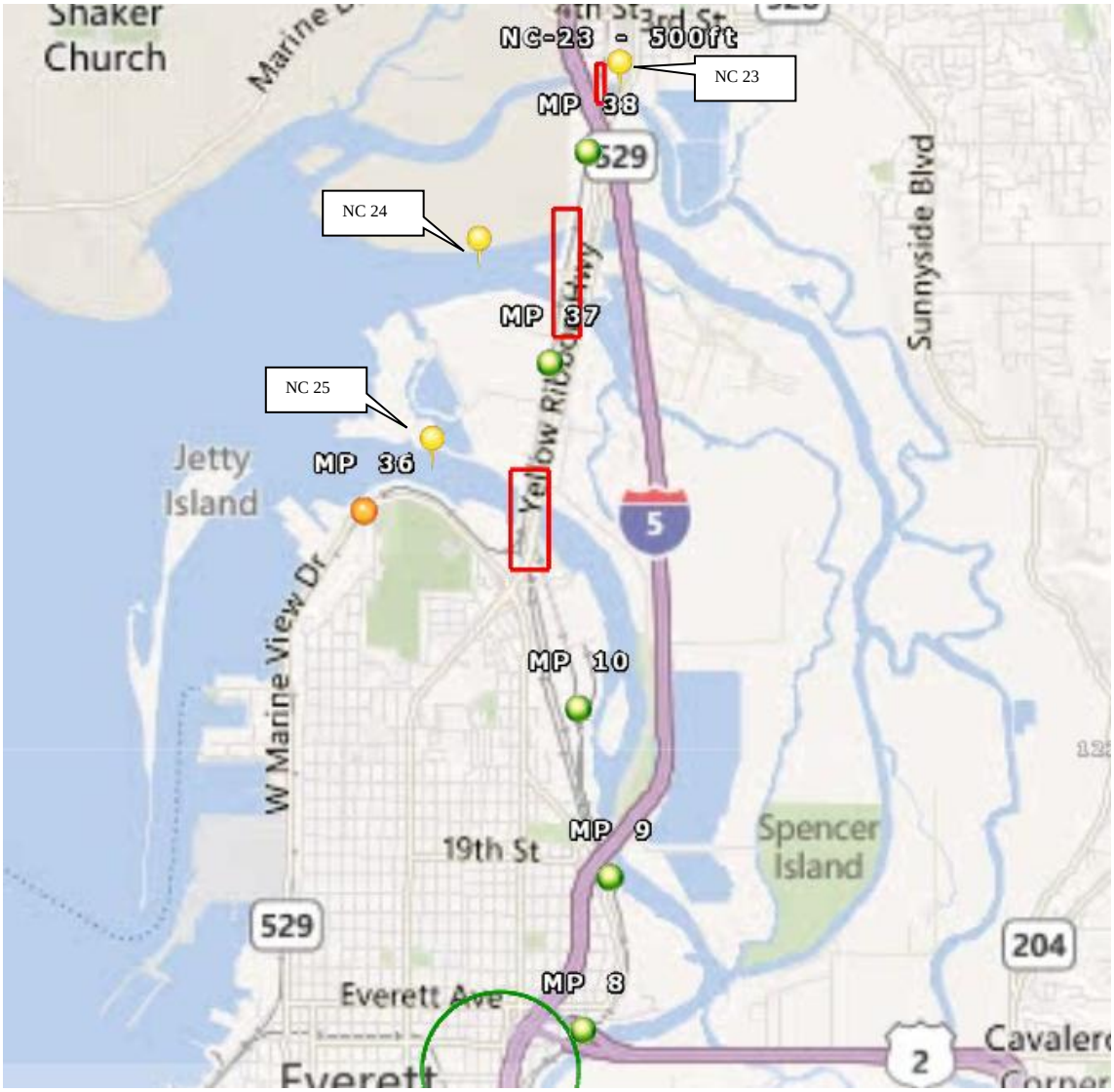


See table on following page for GRP description

MP 40 – MP 38

Strategy	Location	Response Strategy	Length of Boom	Strategy Implementation
NC-22	Tulalip Bay (Just north of Everett) SNO0086 48º-3.490'N 122º-17.575'W	Exclusion - Keep oil out of the bay.	3000'	Deploy boom in a chevron configuration from the tip of Hermosa Point south to the opposite point northwest of Mission Beach. In poor weather, move the boom inside to protect the bay south of the sand spit across the middle of the bay, running the boom from the end of the sand spit to the shoreline on the east side of the bay.
NC-23	Ebey Slough (above I-5, between Everett and Marysville) SNO0114 48º-2.805'N 122º-10.780'W	Exclusion/ Collection - Keep oil out of the slough.	500'	Deploy boom across the slough downstream from the Highway 529 bridge, from the south shore angled north and east to the north shore near the bridge for collection.

Bellingham Subdivision MP 38 - 0



MP 38 – PA Jct

Strategy	Location	Response Strategy	Length of Boom	Strategy Implementation
NC-23	Ebey Slough (above I-5, between Everett and Marysville) SNO0114 48º-2.805'N 122º-10.780'W	Exclusion/ Collection - Keep oil out of the slough.	500'	Deploy boom across the slough downstream from the Highway 529 bridge, from the south shore angled north and east to the north shore near the bridge for collection.
NC-24	Steamboat and Union Sloughs (at confluence, between Everett and Marysville) SNO0131 48º-2.050'N 122º-11.485'W	Exclusion - Keep oil out of the sloughs.	1200'	Deploy boom west of the confluence of the two sloughs.
NC-25	Snohomish River (at mouth in Everett) SNO0162 48º-1.200'N 122º-12.225'W	Exclusion - Keep oil out of the mouth of the river.	1400'	Deploy boom across the river mouth from Preston Point across the river to Smith Island.