

South Shore Geographic Response Plan – Site Survey for Plymouth Harbor to Bartlett Pond
Wednesday, June 1st, 2011

Attendees:

Chad Hunter – Plymouth Harbormaster
Stanley Eldridge – Plymouth Fire Dept
Jacob Scheffer – Pilgrim Power Plant
Elise DeCola – Nuka Research & Planning Group
Caleb Queen – Nuka Research & Planning Group

Vessel:

Part of the site survey was done by land. Plymouth Harbor was surveyed using a vessel from the Plymouth Harbormaster's office.

Weather:

Overcast, winds around 10kts. 2-3ft seas with a strong chop.

Tactics:

SS-16

Exclusion Booming at the entrance to Eel River

As shown on SS-16, deploy approximately 1000ft of boom in a closed chevron to prevent oil from entering Eel River. At low tide, tend hard boom and line with passive recovery along the exposed tidal flats. Boom can be towed from Plymouth Harbor or from Plymouth Beach.

Shoreside Recovery

Shoreside Recovery tactics may be deployed along Plymouth Beach where natural collection sites are located. The fine sand beach makes for ideal recovery locations.

Beach Berm

A small stream feeds into Plymouth Harbor near Nelson Street. If possible, build a beach berm using outside materials. There is also a boat at this location that may be used a high tide.

SS-18

Exclusion Booming at Pilgrim Power Plant

As shown on SS-18, 800ft of boom should be deployed at the lagoon by the Pilgrim Power Plant. This would protect the 4 intakes to the plant. Boom may be deployed from the beach near the parking lot at the plant or towed from the nearest boat ramp.

Possible Exclusion booming at Entrance to Bartlett Pond

The creek that flows out from Bartlett Pond is not heavily influenced by the tide. However, in the event of a strong storm surge during a spill, it may be possible for oil to reach the pond. If this were to

happen, approximately 300ft of boom could be deployed in a closed chevron in front of the mouth of the pond.

70°42'0"W 70°41'30"W 70°41'0"W 70°40'30"W 70°40'0"W 70°39'30"W 70°39'0"W 70°38'30"W 70°38'0"W 70°37'30"W

42°0'30"N
42°0'0"N
41°59'30"N
41°59'0"N
41°58'30"N
41°58'0"N
41°57'30"N
41°57'0"N
41°56'30"N
41°56'0"N

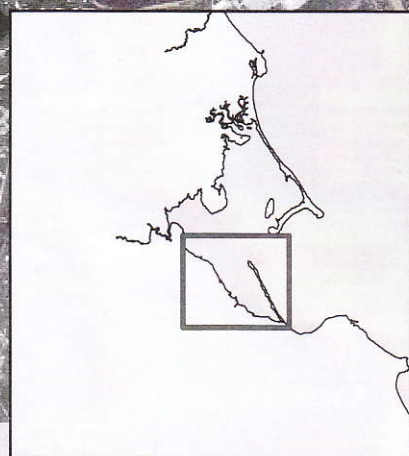
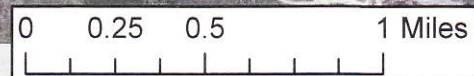


Build Beach Berm
with outside materials

Shoreside Recovery
on fine sand.

Exclusion
Boom

SS-16



70°35'0"W

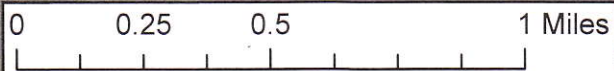
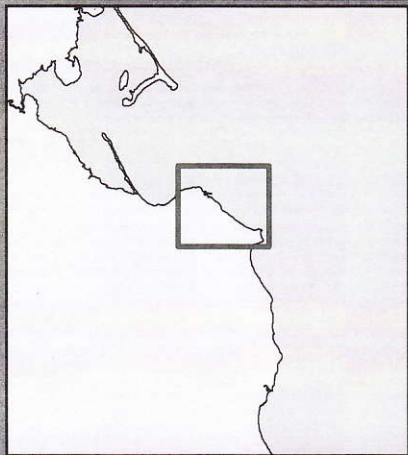
70°34'30"W

70°34'0"W

70°33'30"W

70°33'0"W

70°32'30"W



SS-18



41°58'0"N

41°57'30"N

41°57'0"N

41°56'30"N

41°56'0"N

41°55'30"N

41°55'0"N

4 Intakes to Pilgrim Plant

800ft of Exclusion boom

Entrance to Bartlett Pond. Main threat would be a strong storm surge.

