SECTION 3

GREEN RIVER/DUWAMISH

Spill Response Options and Considerations

		Location							
		Duwamish	Tukwila	Kent	Auburn	Valley	Gorge	Kanaskat-Palmer	Howard Hanson Dam
Waterbody	Rivers	●	●	●	●	●	●	●	●
	Creeks	●	●	●	●	●	●	●	●
	Lakes								
	Pool Area formed by Dam							●	●
	Tidally Influenced Areas	●	●						
	Wetland Area(s)	●	●	●	●	●		●	●
	Intermittent Streams (Seasonal Flow)	●	●	●	●	●	●	●	●
Potential Response Options	Source Control and Containment Activities	●	●	●	●	●		●	●
	Aerial / Vessel Surveillance Activities	●	●	●	●	●		●	●
	Wildlife Rescue and Rehabilitation Activities	●	●	●	●	●		●	●
	Air Boat Use (Areas Recommended)	●	●	●	●	●			
	Collection for Skimming Operations *(Note:1)*								
	Vessel Based Skimming Operations *(Note:2)*								
	Shore Based Skimming Operations *(Note:3)*	●	●	●	●	●		●	●
	Shoreside Protection Booming *(Note:4)*	●	●						●
	Shoreside Cleanup Activities *(Note: 5)*	●	●	●	●	●		●	●
	In-Situ Burning								
	Dispersant Use								
Considerations	Shoreside Access can be Limited by Geography	●	●	●	●	●	●	●	●
	Shoreside Access can be Limited by Private Property	●	●	●	●	●	●	●	●
	State or National Wildlife Refuge / Recreation Area					●	●	●	●
	Habitat Restoration Site(s) in Area	●	●	●	●	●		●	
	Public or Commercial Marina(s) in Area								
	Commercial Vessel Movement / Port Area								
	Recreational Boat Traffic	●	●	●	●	●	●	●	●
	Tribal Lands or U and A Interests *(Note: 6)*				●	●	●	●	●
	Historic / Cultural District(s) in Area						●		
	Dam(s) in Area							●	●
	Interstate Highway Corridor	●	●	●	●				
	Oil Movement by Rail in Area	●	●	●	●				
	Oil Pipeline(s) in Area	●	●	●	●				

Note 1: Collection for Skimming Operations response options should include use of enhanced skimming using a U-boom, V – boom, or J – boom configuration in waters large enough for boats to maneuver (e.g., lake, large river).

Note 2: Vessel Based Skimming Operations response options should include use of advancing skimmers: weir, belt, brush, drum, or other skimmer types.

Note 3: Shore Based Skimming Operations response options should include use of fixed skimmers: weir, belt, brush, drum, or other skimmer types.

Note 4: Shoreline Protection should include the deployment of response strategies (boom) to divert and collect oil off of the water before shoreline areas are impacted, or deflect and exclude oil away from shoreline areas. These strategies include those published in this document (GRP response strategies), those provided in other plans (e.g., facility contingency plans), and "ad-hoc" strategies developed during the spill itself. A culvert block or underflow dam might be installed to aid in the recovery of spilled oil in small streams or those with intermittent flow.

Note 5: Shoreside Cleanup options depend on safe and efficient access to locations and the type of river, creek, or stream bank present. Potential activities could include flooding, flushing, manual removal, vacuum, mechanical removal, sorbents, vegetation cutting, mechanical tilling/aeration, and/or sediment reworking/surf washing.

Note 6: This sheet doesn't represent all locations where Tribes and Tribal Nations have lands or areas of specific interest (including lands established by treaty or rights to Usual and Accustom areas). Early coordination with tribal governments is highly recommended during a response, regardless of the spill location or potential impact areas.