

Example of Suggested Potential Impacts of Response Methods on Habitats

*Should be considered only as an example of what a workgroup could develop and should not be considered conclusive for all areas

	Mechanical Countermeasures	Chemical Countermeasures	<i>In Situ</i> Burning	F&W Countermeasures	Bioremediation
Terrestrial	Disruptive, foot traffic, trampling, tracking, scraping, washing, etc.	No application at this time	Not used on contaminated sites, controlled burns for ground vegetation only	Hazing, pre-emptive capture, capture	Nutrient enrichment may be effective. Additional “bugs” may not be necessary
Freshwater Shorelines	Disruptive, foot traffic, trampling, tracking, scraping, washing, etc.	Surface washing agents are possibility	If site safety is addressed there should be no deterrent to use of methodology	Hazing, pre-emptive capture, capture	N/A
Ponds/Lakes	Runoff, turbidity, etc.	No application at this time	If site safety is addressed there should be no deterrent to use of methodology	Hazing, pre-emptive capture, capture	N/A
Streams/Rivers	Turbidity pulses, bank erosion, etc.	No application at this time	Unlikely due to lack of control unless booming could corral oil in eddies. Difficult to keep oil thickness appropriate. Should be no danger if site safety is addressed.	Hazing, pre-emptive capture, capture	N/A
Marine Shorelines	Disruptive, foot traffic, trampling, tracking, scraping, washing, etc.	Surface washing agents are possibility	Not currently applied, but may have limited application if site safety and community concerns are addressed	Hazing, pre-emptive capture, capture	Nutrient enrichment may be effective. Additional “bugs” may not be necessary
Estuarine/Marsh	Disturbance, additional turbidity, etc.	Toxicity possible to larvae, juvenile life stages, etc.	TX burn was conducted on San Jacinto “marsh” with success	Hazing, pre-emptive capture, capture	Nutrient enrichment may be possible, but ecological assessment must determine feasibility. Additional “bugs” may not be necessary.
Nearshore Shallow	Some turbidity possible, some turbulence possible, etc.	Possible toxicity due to lack of mixing and dispersal in shallow waters	If site safety and community concerns are addressed there should be no consequence to f&w	Hazing, pre-emptive capture, capture	N/A
Nearshore Deep	Possible slight turbidity, probably not much	Dependant on chance of shore contact, if remote they may be applied	If site safety and community concerns are addressed there should be no consequence to f&w	Hazing, pre-emptive capture, capture	N/A
Offshore Shallow	Turbulence possible, probably not much	Possible toxicity due to lack of mixing and dispersal in shallow waters	If site safety issues are addressed, no concerns	Hazing, pre-emptive capture, capture	N/A
Offshore Deep	Probably not much	Generally accepted as pre-approval zone	If site safety issues are addressed, no concerns	Currently, there are no technologies applied in this zone	N/A