

Table 3. Comparison of the lengths of shoreline oiled for systematic surveys.

Spill Name/Date	Oil Type/Volume	Shoreline Area Oiled	Shoreline Cleaned (km)	Shoreline Oiled (km)
TX Coast Harbor Marsh 08/07/10	Medium Heavy Crude Oil 100,000 gallons	1000' Marsh, Seagrass, Cord Grass, and Marsh Cord Grass	1400	2100
Oil Spill at Oil Platform No. 1 08/11/10	Medium Heavy Crude Oil 100,000 gallons	Marsh Platform of the station Marsh Oil Spill Platform and other nearby	732	201
TX Seagrass Area Marsh 08/07/10	Medium Heavy Crude Oil 100,000 gallons	Marsh Platform of Marsh Oil Spill Marsh Oil Spill Platform	500	400
TX Seagrass Area Marsh 08/07/10	Medium Heavy Crude Oil 100,000 gallons	Marsh Platform of Marsh Oil Spill Marsh Oil Spill Platform	100	100

included heavily oiled vegetation mats (above-ground vegetation laid over by oiling, which died but remained rooted in place) and wrack lines that in many cases overlaid a thick layer of emulsified oil on the marsh substrate. In the fall of 2010, much of the heavily oiled layer on marsh platforms averaged 2–3 cm in thickness and did not appear to have significantly weathered or naturally

degraded [12]. Over 11 km of the most heavily oiled marshes in northern Barataria Bay were cleaned using intensive manual and mechanical raking and cutting methods to remove the oiled vegetation mats and wrack, careful removal or reduction of the thick oil layers on the substrate, and limited application of loose organic sorbents [12,13].