12199.2.4

Shoreline Olling, Derpwarer Harizon Oil Spill

and persisted. This type of information is highly perturent to oil pill response scenness toked with contingency planning and responding to listers incident.

## Methods

During the Doptonia Horizon (toll response, up to 18 SCAT) transc consisting of Ferland, State, John and III representatives conducted field suscept to document the location, degree, and document of states of substance of states from induced methods and document of states from the state of states of the states of the state of th

confision, progression through cleanup operations, and scissing factors [9] as summarized below:

## Stage Ull Nearshore and Shoreline Respons

These stages. May us September 2010; covered the periods herity advice of commonate to secand southers. CoS age's thomas herity adviced commonate to secand southers. CoS age's the herity content on intensic level of retriammental aspear and the states of the secand secand secand secand secand secand tested southers (onling has about. It is employed release them the well-flead cheering this incident required that describe them the well-flead cheering this incident required that aborelize cheering shelp also well consists about SCAT shortless environdencing this Stage were rapid and focused on locating look, describe colling for intensitient response. Sourchise cheaning shortless are supported to the stage of the stage of the second second second second second second second southers are supported to the second second second second condition second and special to other southers.

## Stage III Shoreline Respon

This stage September 2000 to March 2011 began on agustian expansitive of forum on its longer remained on the sesurface, addressed all storetime within the Area of Response, an included detailed SecAF surveys. The cell of Story III was a stage date to meet descape paids by sping 2011, when shortfule use to lattle, sea turtley, and people increases. Shorefule Treatmen Recommendation on XIRs: memorated within the SeCAF storage.

patches, rather than a continuous slick. In marshes, the emulsified oil pooled on the surface with little penetration into the marsh soils. On some sand beaches, the oil penetrated up to a few

tempored by wind and current for 50-300 km through warms foll of Mexico waters to reach the shortfore. The oil that eversoully insueded on the desortine was as the force of a thicksiscent combining, containing up to 500 w user, as approach of herbalogish of it in most cases that emislated oil sepanched as discrete pain her, urder than a continuous field, for unsertine, the emislated of problem in the surface works have executing to the careful and problem in the surface works have executing to the out-

On more such benders, the oil provincies up in a forcomments are made the enforces, become a sense, some oil, comments are made to the enforces of the enforces of the different esting therefore colored sharing the response. SCAT terminology are modified in include under resolve hills SSBs, SCO con, surface resides panies SSRb, 3 De con, and there SC must that could be 100 of on long and up to 30 mm. SCAS, of and 82 2-55% and 32]. These SSRb are different from the scale of the scale of the scale of the scale of the are most and and the oil components are not turn (interes, there are mosts and and the oil components are not turn (interes, the are tradel-sized power of such diff, and other loads internalls, book) beautify to office, or taked. Figur 1 these preparameters are the scale of the scale of the scale. Figur 1 these preparameters

The storeline response program encompassed four mages, defined primarile to recognize shanges in oiling threat, oiling

takien from the Responsible Parry and Foleral and State justification. These NFT problems were designed to be quadrative and recognisable to footh cleaning workers and accounter, season. The affective was to precede with shortfur treatment until the actions were no longer effective in caused more harm those good and began to shor the recovery process fin other words, proceed until Net Entertomental Benefit was arbitrated.

## Stage IV Shoreline Response

This step (March to November 2011, the later leing the real of humane seam in the United Mater (unstilled at inserting of all affected disordine to document Spring 2011 conditions and documents themselved to cleaning in most 2011 SeT andidition. The 2011 SeT against the cleaning in most 2011 SeT andidition. The 2011 SeT against the condition of the 2011 SeT and and process as the 2010 OPT against the Sex 2011 SeT and Set 2011 Set 2

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