

Survey Area: Escambia County segment FLES2-005 (NPS Fort Pickens) – Snorkel SCAT surveys of Submerged Oil Mat (SOM).

Team Members:

Joey Whibbs – FDEP

Dominic Marcanio – FDEP

Survey Conditions:

Today the skies were cloudy, winds were N @ 10-15 knots, and seas in the Gulf were 1 foot or less with a mid and rising tide.



Conditions on Tuesday March 4th 2014

Survey Summary:

On Tuesday March 4th, FDEP personnel assisted with a Snorkel SCAT survey of a Submerged Oil Mat (SOM) that was located in segment FLES2-005 at NPS Fort Pickens. After recovering most of the SOM material Thursday and Friday February 27-28, some sedimentation had occurred and Snorkel SCAT was deployed to delineate the mat and determine if all of the material had been recovered.

The Snorkel SCAT methodology involves digging pits in a series of transects perpendicular to the shoreline. At each interval along a transect, two test pits are dug to 40-45 centimeters deep using sharpshooter shovels which preserve the underlying strata to show any submerged oiling and the depth at which it is found. Levels of buried /submerged oil are based on the percent coverage of the oiling within a 5-centimeter band. The concentrations of submerged oil are then mapped using survey-grade equipment to better pinpoint the location of the mat. Any submerged oiling found during the Snorkel SCAT survey is mitigated on the spot. FDEP personnel assisted with mat location and product recovery while the OSRO was available near shore to collect, categorize, and weigh the MC-252 material.

During today's Snorkel SCAT survey, pits were dug at 69 points along the transect grid. The maximum concentration of submerged oiling was 100% coverage within a 5 centimeter thick submerged band. A total of 7.50 lb of MC-252 mat material was mitigated today.

Tomorrow March 5, 2014, further Snorkel SCAT surveys will be conducted to close out NRC report #1055240 and determine if any mat material remains.

MC-252 Oil Observed

Segment ID	SRBs	SRB Size (cm)	SRB Weight (lb)	NRC Report #	NRC Followup
FLES2-005	SOM pieces	N/A	7.50 SOM	1075240	In progress

Monitoring Photos:



Snorkel SCAT investigating SOM remains on Tuesday March 4th



Example of SOM material recovered during Snorkel SCAT survey on Tuesday March 4th



An example of a SOM chunk recovered during Snorkel SCAT survey on Tuesday March 4th

Recommendations:

FLES2-005: Snorkel SCAT surveys will continue on Wednesday March 5th to determine if any mat material remains.

ACRONYMS

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|------------------------------------|---------------------------------------|
| ES - Entire Segment | FLBA - Florida Bay County |
| EZ - Entire Zone | FLOK - Florida Okaloosa County |
| FLES - Florida Escambia County | FLWA - Florida Walton County |
| FLGU - Florida Gulf County | GUIS - Gulf Islands National Seashore |
| FOSC- Federal on Scene Coordinator | ITZ- Intertidal Zone |
| HBR- Hard Black Rubbery Tar Ball | LSTZ - Lower Supra Tidal Zone |
| LITZ- Lower Intertidal Zone | MIT - Mitigated |
| LTZ- Lower Tidal Zone | NAS - Naval Air Station |
| MTZ - Middle Tidal Zone | NOO - No Observable Oil |
| NRC- National Response Center | STZ - Supra Tidal Zone |
| NPS - National Park Service | USCG- United States Coast Guard |
| SRB - Surface Residue Ball | UTZ - Upper Tidal Zone |
| UITZ- Upper Intertidal Zone | USTZ - Upper Supra Tidal Zone |
| USTZ - Upper Supra Tidal Zone | |