

2/10/2014 FDEP Beach Monitoring Report

Survey Area: Escambia County segments FLES1-009, 015 (Perdido Key) and FLES1-043 (NAS Pensacola).

Team Members:

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Survey Conditions:

During today's survey the skies were sunny, winds were W @ 5 knots, and seas in the Gulf were one foot or less. The tide was high and falling, with low tide (-0.38 ft) at 5:44 AM and high tide (0.8 ft) at 6:31 PM.



Conditions at Perdido Key



Conditions at NAS Pensacola

Survey Summary:

Today FDEP personnel conducted post-response monitoring surveys in Escambia County Division 1, segments FLES1-009, 015 (Perdido Key) and FLES1-043 (NAS Pensacola). Conditions in the Gulf and Bay were calm and acceptable for surveys.

In segments FLES1-009 and 015, numerous SRBs were observed throughout the swash zone. To a lesser extent, some SRBs were found stranding on the beach. The goal of today's surveys was not to mitigate all of the SRBs but rather file an NRC report to initiate a USCG investigation. That said, today's findings do not represent the entire scope of oiling within these segments. The USCG investigated shortly thereafter and recovered an additional 1.43 lb of MC-252 product (combined from both segments).

In segment FLES1-043, numerous SRBs were collected from the swash zone and ITZ. Since most of the material was located in the water and east of the Lake Frederic outlet (which is usually not accessed by the USCG responders due to a small tidal inlet) most of the material was mitigated during survey. Also, an oiled sandbag was found just offshore from the Lake Frederic outlet. It was likely a sandbag that was used to dam off Lake Frederic from oil impacts back in 2010.

745 SRBs were recovered during survey, plus an additional 1.43 lb of MC-252 product mitigated by the USCG, resulting in 4.40 lb of MC-252 material removed from the beach today.

MC-252 Oil Observed

Segment ID	SRBs	SRB Size (cm)	SRB Weight (lb)	NRC Report #	NRC Followup
FLES1-009	77 ¹	1.0 - 6.0	0.35	1073478	USCG mitigated 1.43 lb from FLES1-009/015
FLES1-015	127 ¹	1.0 - 5.5	0.47	1073478	
FLES1-043	541 ² + 1 oiled debris	1.0 - 5.5	1.76 SRBs 0.39 oiled debris	1073501	TBD

1. Not all material mitigated during survey. Findings do not show all oiling in the segment today.
2. Only 75% of material mitigated by FDEP.

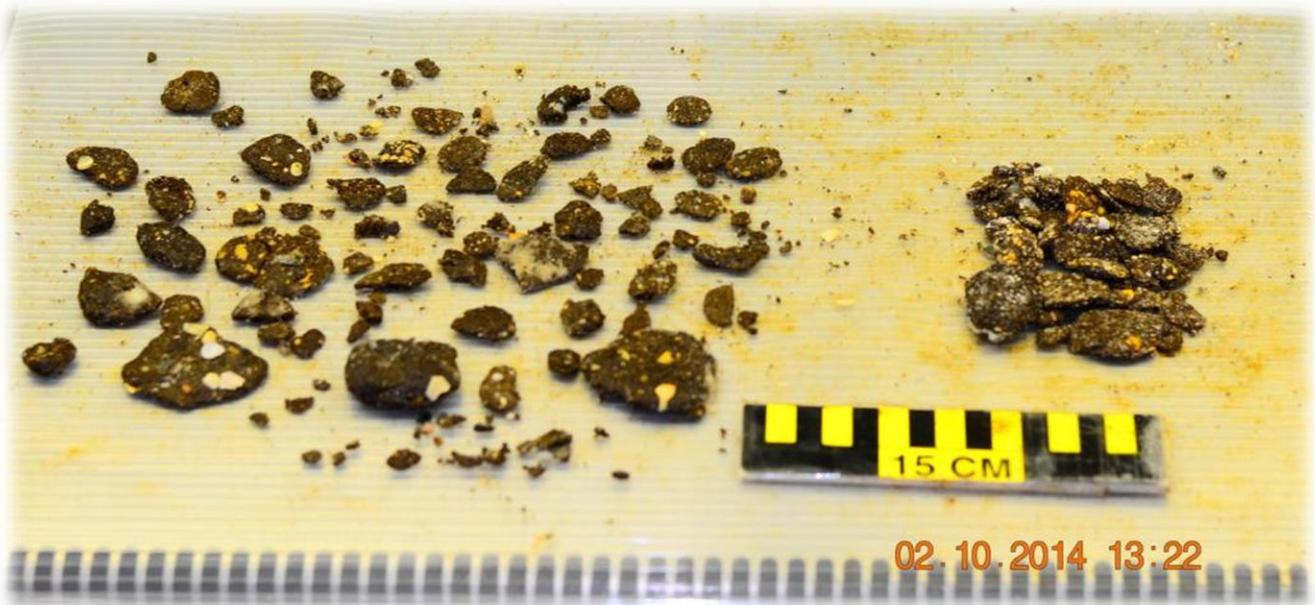
Monitoring Photos:



Example of SRBs found in the swash zone of FLES1-009



SRBs recovered from FLES1-009 (not all material mitigated from segment)



SRBs recovered from swash zone (left) and ITZ (right) of FLES1-015
Not all material mitigated during survey



Example of SRBs found throughout the ITZ of FLES1-043. Not all material mitigated.



Example of SRBs found in the swash zone throughout FLES1-043. Not all material mitigated.



Oiled sandbag found near Lake Frederic Outlet in FLES1-043



SRBs and oiled debris recovered from FLES1-043

Recommendations:

FLES1-009, 015, and 043: Segments have been signed out of the response but continue to yield MC-252 material. Recommend further periodic monitoring of these segments when weather conditions are favorable for product recovery.

ACRONYMS

ES - Entire Segment

EZ - Entire Zone

FLES - Florida Escambia County

FLGU - Florida Gulf County

FOSC- Federal on Scene Coordinator

HBR- Hard Black Rubbery Tar Ball

LITZ- Lower Intertidal Zone

LTZ- Lower Tidal Zone

MTZ - Middle Tidal Zone

NRC- National Response Center

NPS - National Park Service

SRB - Surface Residue Ball

UITZ- Upper Intertidal Zone

USTZ - Upper Supra Tidal Zone

FLBA - Florida Bay County

FLOK - Florida Okaloosa County

FLWA - Florida Walton County

GUIS - Gulf Islands National Seashore

ITZ- Intertidal Zone

LSTZ - Lower Supra Tidal Zone

MIT - Mitigated

NAS - Naval Air Station

NOO - No Observable Oil

STZ - Supra Tidal Zone

USCG- United States Coast Guard

UTZ - Upper Tidal Zone

USTZ - Upper Supra Tidal Zone