2/11/2014 FDEP Beach Monitoring Report

Survey Area: Escambia County segment FLES2-018 (Pensacola Beach) and FLES1-035 (NPS Fort Pickens).

Team Members:
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Survey Conditions:

During today's survey the skies were cloudy with light rain, NE wind @ 5 knots, and the seas in the Gulf were calm. The tide was low and rising, with low tide (-0.37 ft) at 6:18 AM this morning and high tide (0.79 ft) at 7:19 PM tonight.

Conditions at Pensacola Beach

Survey Summary:

Today FDEP personnel conducted a post-response monitoring survey in Escambia County Division 2; segment FLES2-018 on Pensacola Beach. The team conducted a partial survey and only covered approximately 100 meters of the segment. The survey was conducted to verify the presence of BP MC252 oil, not to collect all of the observed material. There were numerous SRBs in the swash zone and the ITZ of the segment, with a majority of the material being found in the swash zone. This distribution seems to be prevalent among the Florida beaches impacted by BP MC252 oil. Since December there has not been a single OSRO callout from the FDEP monitoring surveys, even though the level of oiling remains consistent. The USCG responders are not able to get in the water to investigate SRBs in the swash zone. Therefore, the material in the water is not addressed unless an OSRO is deployed to clean the swash zone. However, the OSRO is rarely deployed if the responders are not getting a complete picture of the oiling in a segment without observing the swash zone.

The team was able to have a brief break in the rain long enough to conduct a partial survey of segment FLES1-035. There were numerous SRBs and one SRP found in FLES1-035. Not all of the observed material was able to be collected.

There were 108 SRBs, 1 SRP, and 2.06 lb of BP MC-252 material removed from the beach by FDEP personnel.

MC-252 Oil Observed

Segment ID	SRBs	SRB Size (cm)	SRB Weight (lb)	NRC Report #	NRC Followup
FLES2-018	67	1.50 – 4.00	0.45	1073602	TBD
FLES1-035	41 +1 SRP	1.00-5.00 18.00	1.61	1073657	TBD

Monitoring Photos:

SRBs in swash zone of FLES2-018

SRBs partially mitigated from the ITZ (left) and swash zone (right) of FLES2-018
Material on the left represents what is found when only the dry beach is investigated
Material on the right represents what is left behind if the swash zone is not investigated

SRP and SRBs mitigated from FLES1-035

Recommendations:

FLES2-018 and FLES1-035: Segments have been signed out of the response but continue to yield BP MC-252 material. Recommend further periodic monitoring 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
SRP – Surface Residue Patty
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