

**Proposed Data Collection Plan to Assess Injury to Louisiana and Mississippi Estuarine Dolphin
Stocks: Fourth Addendum**

Original Plan Signed by NOAA and Louisiana: May 22, 2010

Addendum Signed: June 9, 2010

Second Addendum: November 1, 2010

Third Addendum: August 1, 2011

Principal Investigators:

Dr. Lori Schwacke
National Ocean Service
National Centers for Coastal Ocean Science
Hollings Marine Laboratory
Lori.Schwacke@noaa.gov

Dr. Keith Mullin

NOAA National Marine Fisheries Service (NMFS)/ Southeast Fisheries Science Center (SEFSC)

Co-Principal Investigators

Mandy Tumlin, Louisiana Department of Wildlife and Fisheries (LDWF)

Eric Zolman, NOS/NCCOS/HML

Document Date: 02 October 2013

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Approval of this work plan is for the purposes of obtaining data for the Natural Resource Damage Assessment. Each party reserves its right to produce its own independent interpretation and analysis of any data collected pursuant to this work plan.

The trustees have developed a preliminary conceptual model of the DWH release, potential pathways and routes of exposure, and potential receptors. This preliminary model has informed the trustees' decision to pursue the studies outlined in the work plan. By signing this work plan and agreeing to fund the work outlined, BP is not endorsing the model articulated in the work plan.

This plan will be implemented consistent with existing trustee regulations and policies. All applicable state and federal permits must be obtained prior to conducting work.


Department of Commerce Trustee Representative Date 10/16/13


Louisiana Trustee Representative Date 12/5/13


BP Representative Date 10/16/13

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Except as amended herein, all provisions of the cooperative Data Collection Plan to Assess Injury to Louisiana and Mississippi Estuarine Dolphin Stocks and Addenda remain in effect.

This Fourth Addendum proposes conducting an additional photo-ID session in November 2013 in Barataria Bay, Louisiana. Consistent with prior photo-ID sessions, the goal will be to complete 3 replicate surveys using the previously established track lines. Each replicate survey will take about 2 days (using 2 boats) and all three replicates will be completed over a two week period as weather permits. This work would support the Natural Resource Damage Assessment by providing additional data for estimating and understanding survival and abundance for bottlenose dolphins (*Tursiops truncatus*) after the 2010 Deepwater Horizon Oil Spill. The last survey for Barataria Bay was conducted in April 2013. Photos were analyzed and Finbase updates provided to BP in September 2013.

This Fourth Addendum does not include provisions for collecting biopsies.

Data Handling and Sharing:

A. Data Handling

Camera memory cards (and accompanying GPS track data files) will be handled under Chain-of-Custody after a card is full or after the study is completed pursuant to the **NRDA Field Sampler Data Management Protocol**, 10-22-2010, which includes the protocol for transferring and uploading digital photos.

All field and laboratory data will be collected, managed and stored in accordance with any written SOPs developed for this project.

All materials associated with the collection or analysis of samples under these protocols or pursuant to any approved work plan, including any remains of samples and including remains of extracts created during or remaining after analytical testing, must be preserved and disposed of in accordance with the preservation and disposal requirements set forth in Pretrial Orders ("PTOs") # 1, # 30, #35, # 37, #39 and #43 and any other applicable Court Orders governing tangible items that are or may be issued in MDL No. 2179 IN RE: Oil Spill by the Oil Rig "DEEPWATER HORIZON" (E.D. LA 2010). Destructive analytical testing of oil, dispersant or sediment samples may only be conducted in accordance with PTO # 37, paragraph 11, and PTO # 39, paragraph 11. Circumstances and procedures governing preservation and disposal of sample materials by the trustees must be set forth in a written protocol that is approved by the state or federal agency whose employees or contractors are in possession or control of such materials and must comply with the provisions of PTOs # 1, # 30, # 35, 37, #39 and #43.

B. Data Sharing

Copies of all non-analytical data collected in accordance with this plan, (including raw data, field sheets, and field notes, photos, photo logger forms and GPS files), will be transferred to the

NOAA NRDA Sample Intake Team following NRDA data management protocols. An identical copy of all documentation will be provided *as requested* to BP/Cardno-ENTRIX and the Louisiana Oil Spill Coordinator's Office (LOSCO) within a reasonable timeframe once data intake, QA analyses and data entry procedures are complete, but no later than 45 days after the data are collected. In the event that this Addendum is not signed when field data are collected, non-analytical data shall be shared not later than 45 days after the Addendum is signed.

Field teams will complete data sheets each day. Each team member will sign the data sheet indicating agreement on the content of the data sheet. The Trustee representative will retain custody of all completed data sheets until they are transferred to the data intake team, which will meet the field crew at the LDWF lab in Grand Isle, Louisiana after the completion of each survey window. BP/CardnoENTRIX representatives, if present, may obtain a copy of all data sheets and photographs once data intake has been completed. In addition, the data will also be added to NOAA NRDA.org within 72 hours of completion of data intake. Photo-matching will be performed using the Finbase database. The Finbase database (with the photo catalog used for the analysis), including the matches to date, will be provided to BP by February 28, 2014.

Estimated Costs: The Addendum budget covers the contract costs of field work, processing data (e.g., photos) and analyzing photo-ID data (e.g., managing and matching). This addendum will be completed within the budget approved by BP in early 2013 for marine mammal work led by NOAA and will not require additional funding.

The Parties acknowledge that this budget is an estimate, and that actual costs may prove to be higher. BP's commitment to fund the costs of this work includes any additional reasonable costs within the scope of this approved work plan that may arise. The trustees will make a good faith effort to notify BP in advance of any such increased costs.

Durable Equipment - All durable equipment (such as computers, cameras, GPS, etc.) purchased by BP for this study will be returned to BP or its designated representatives at the conclusion of use for this study, unless otherwise agreed.

Some equipment needed for this study may be in BP's existing inventory. BP-owned equipment will be used if available and when appropriate to the needs of the proposed work.

ESTIMATED BUDGET

Field work (2 weeks):

Contractor salary	██████████
Contractor travel	██████████
Boat, gas, maintenance	██████████

Photo analysis:

Contractor salary	██████████
<hr/> Total	██████████