

Gulf of Mexico Marine Mammal Research Synthesis Workshop

Dates: October 31- November 2, 2018

Location: Consortium for Ocean Leadership Office
1201 New York Avenue, NW
4th Floor- Conference Room
Washington, DC 20005

DAY 1:

8:00 – 8:30 Breakfast

8:30 – 9:00 Welcome & Statement of Objectives (Natalia, Lori, Lance, Azmy); Introductions

MM Ecosystem Session

Session Lead: Tracey Sutton; Moderator: Vicki Cornish; Rapporteur: Brady O'Donnell

- 9:00 – 9:20 Findings of the DEEPEND (Deep-Pelagic Nekton Dynamics) program and their relevance to marine mammals of the Gulf – Tracey Sutton
- 9:20 – 9:30 CARMMA research to assess changes in dolphin prey following the DWH oil spill and implications for dolphin population health – Ryan Takeshita
- 9:30 – 9:50 Sperm whale telemetry of foraging as an indicator of DWH benthic oil fouling – Bruce Mate

9:50 – 10:15 Break

- 10:15 – 11:45 Moderated discussion
 - Synthesis opportunities (30 min)
 - Data/information gaps (30 min)
 - Recommendations (30 min)

11:45 – 1:15 Lunch

1:15 – 1:30 **Overview of cetacean stock structure in the Gulf of Mexico** – Patty Rosel

Population Monitoring Part 1 Session – Offshore

Session Lead: Lance Garrison; Moderator: Vicki Cornish; Rapporteur: Sam Simmons

Note: preparatory material provided in webinars 1,3, and 4

- 1:30 – 1:45 Setting the stage: recap of offshore passive acoustic monitoring, visual surveys, and tagging in the Gulf of Mexico – Lance Garrison
- 1:45 – 4:30 Moderated discussion
 - Methodological considerations (30-45 min)
 - Opportunities for synthesis (30-45 min)

3:00 – 3:30 Break

- What are data/information gaps? (30 min)
- Recommendations (30 min)

DAY 2:

8:00 – 8:30 Breakfast

8:30 – 8:45 Recap of previous day (Natalia)

Population Monitoring Part II Session – Nearshore and Inshore

Session Lead: Lance Garrison; Moderator: Laura Engleby; Rapporteur: Brady O'Donnell

- 8:45 – 9:00 Overview of nearshore/inshore (BSE, coastal) bottlenose dolphin monitoring studies, including photo-ID, remote biopsy, tagging, and GoMDIS – Lance Garrison
- 9:00 – 10:30 Moderated discussion
 - Methodological considerations (30 min)
 - Opportunities for synthesis? (30 min)
 - What are data/information gaps? (15 min)
 - Recommendations (15 min)

10:30 – 11:00 Break

Population Health Session

Session Lead: Lori Schwacke; Moderator: Laura Engleby; Rapporteur: Ryan Takeshita

Note: preparatory material provided in webinar 2

- 11:00 – 11:15 Setting the stage: overview of health related research including dolphin health assessments, stranding networks, HealthMap – Lori Schwacke
- 11:15 – 12:00 Moderated discussion
 - Opportunities for synthesis? (15 min)
 - What are data/information gaps? (30 min)

12:00 – 1:30 Lunch

- 1:30 – 2:00 Recommendations (30 min)

Population Modeling Session

Session Lead: Len Thomas; Moderator: Sam Simmons; Rapporteur: Brady O'Donnell

Note: preparatory material provided in webinars 2 and 3

- 2:00 – 2:15 Setting the stage: overview of population modeling activities, including those previously presented in webinars and bioenergetics/PCOD modeling efforts – Len Thomas
- 2:15 – 5:00 Moderated discussion

- Opportunities for synthesis? (30 min)

2:45 – 3:15 Break

- What are data/information gaps? (45 min)
- Recommendations (45 min)

DAY 3

8:00 – 8:30 Breakfast

8:30 – 9:00 Brief summary from each session & linkages among sessions, including key recommendations and looking forward, what are the next steps? (Session Leads, 5 minutes each)

[Tools for Future, What Will Marine Mammal Assessments Look Like in the Decades to Come?](#)

Session Lead: Teri Rowles; Rapporteur: Lori Schwacke

Session lead will introduce topic, followed by a series of short presentations to present priority management needs, and to provide sampling of a few emerging technologies with particular relevance for marine mammal management.

- Overview of priority needs from agencies (10 min each)
 - NOAA – Laura Engleby
 - Navy – Joel Bell
- Short presentations of relevant future technologies:
 - eDNA – Patricia Rosel (10 min)
 - Emerging tools for health evaluations in cetaceans – Teri Rowles (10 min)
 - Remote sensing – Len Thomas (10 min)
 - Passive acoustics: fixed, towed, and gliders – Dave Mellinger (10 min)
- Discussion with group

11:45 – 12:00 Wrap-up

12:00 ADJOURN