

San Francisco Traffic Separation Scheme Update

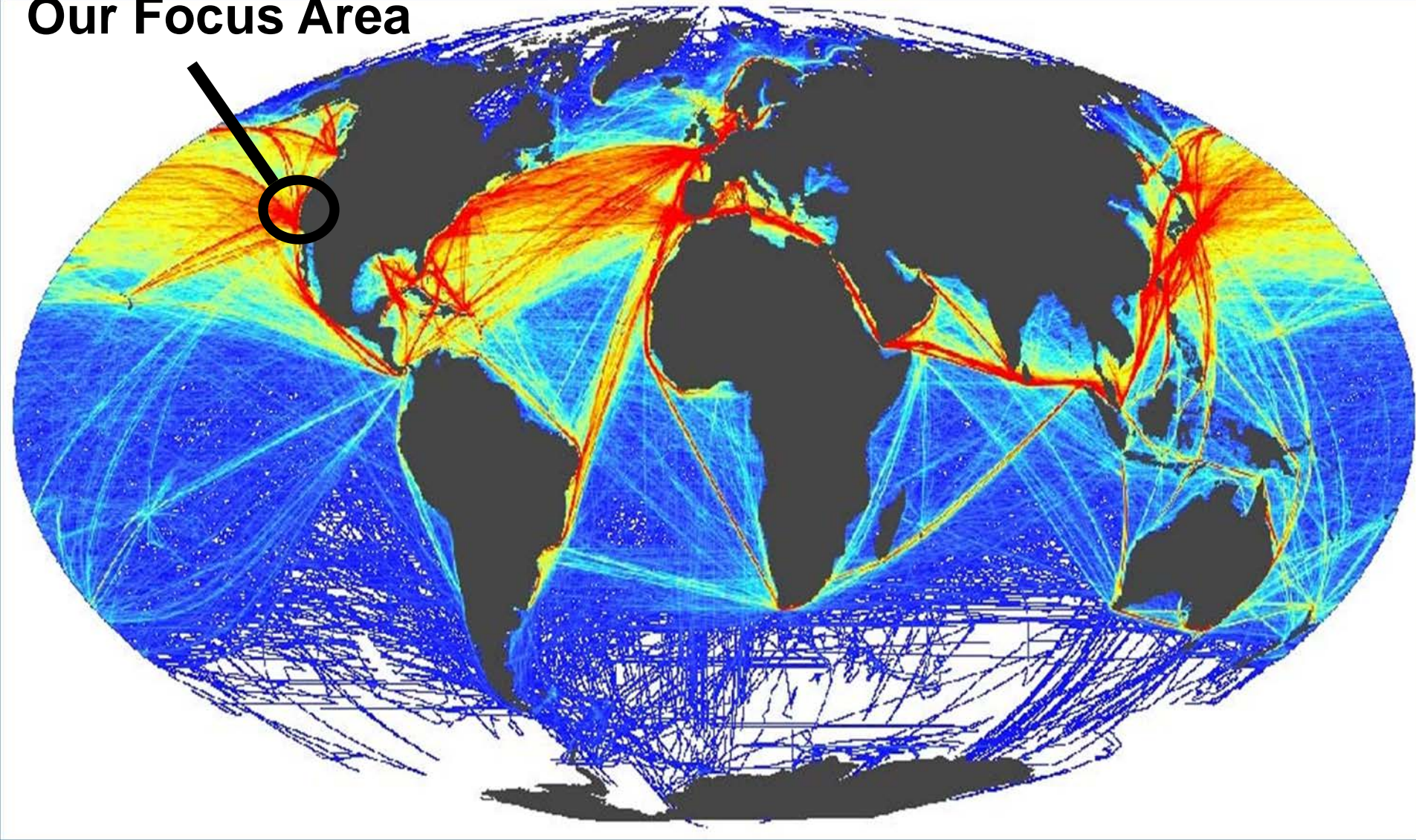


LT Cody Dunagan
USCG District 11

May 21, 2013

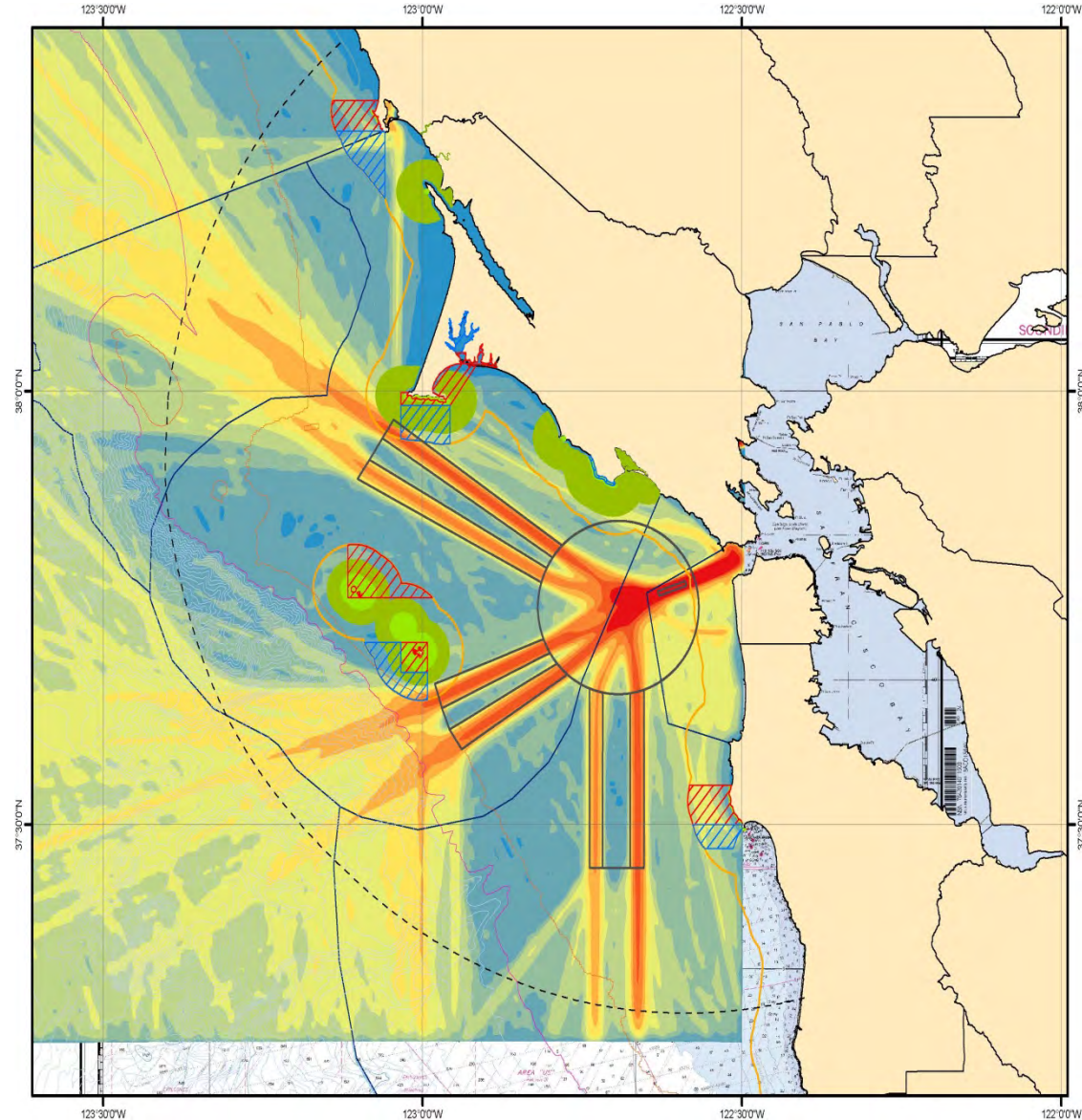


Our Focus Area



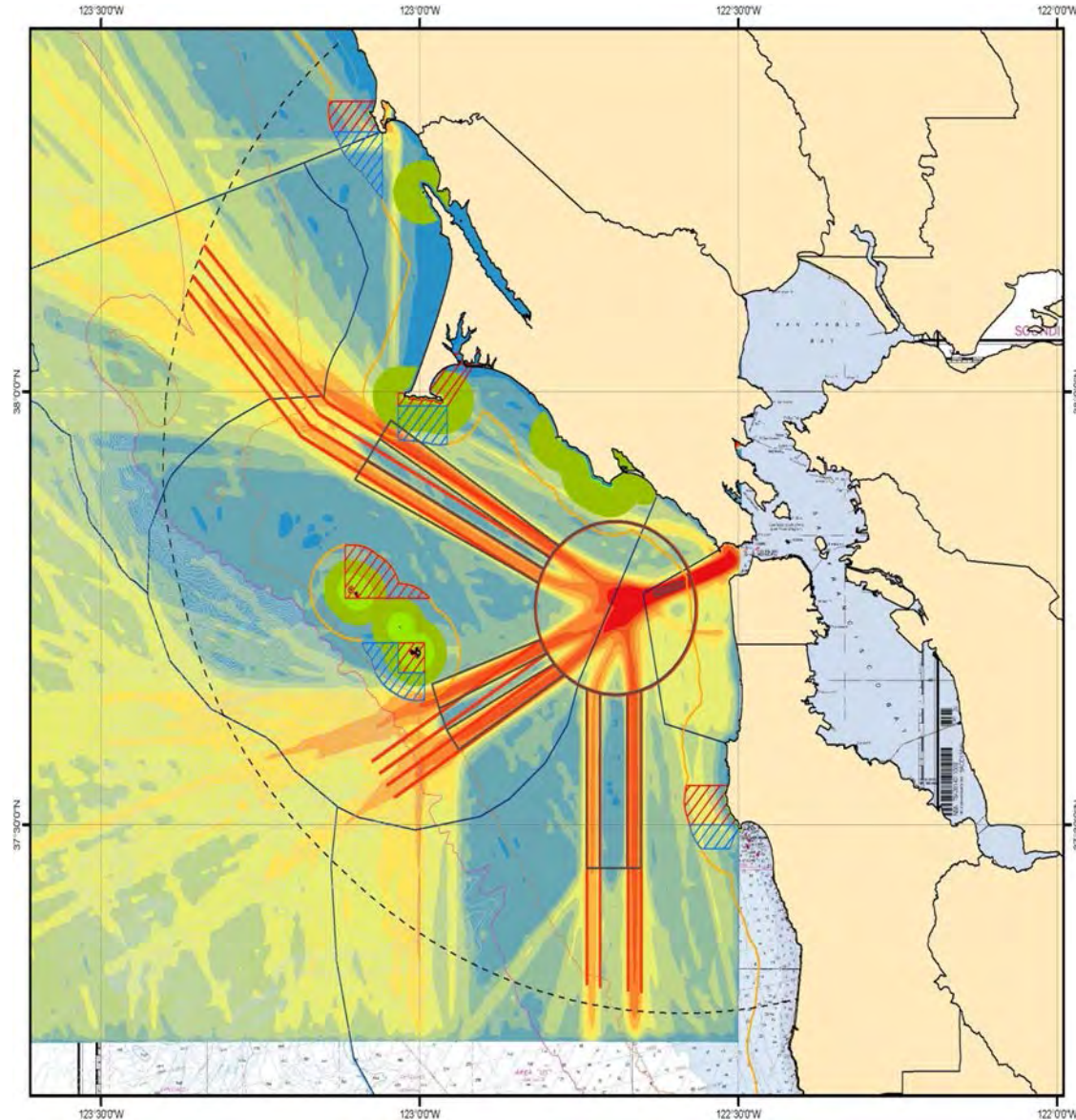
Modification to the shipping lanes:

In an effort led by the USCG, the shipping lanes have been extended to increase navigational safety by setting commercial traffic on predictable paths in these foggy fishing grounds, and where possible decrease the co-occurrence of ships and whales by directing traffic over the shelf break in as direct a path as possible.



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Cordell Bank NMS Resource Protection Update



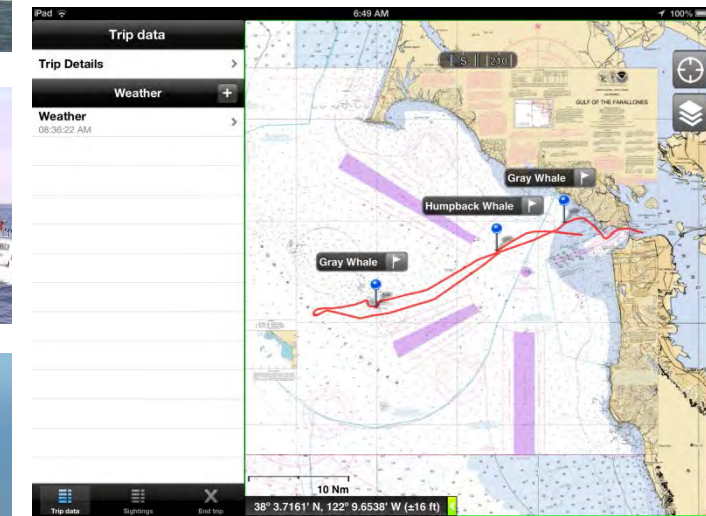
Michael Carver
Deputy Superintendent
Cordell Bank National Marine Sanctuary

May 21, 2013

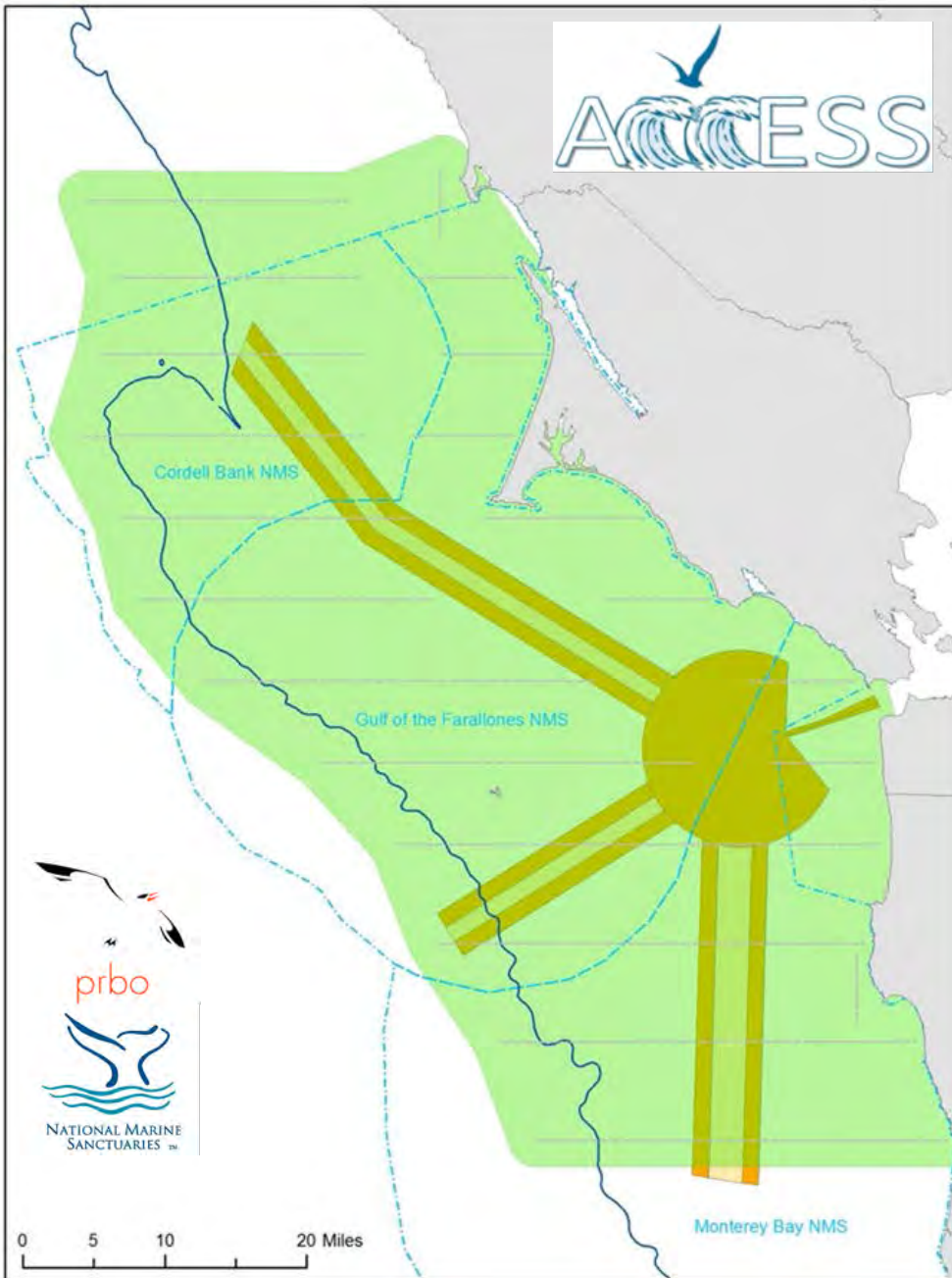


Real-time whale sighting and monitoring network:

A real-time whale sighting and monitoring network with participation from commercial ships, to provide data on whale occurrence and inform the designation of the onset, duration and location of DMAs.

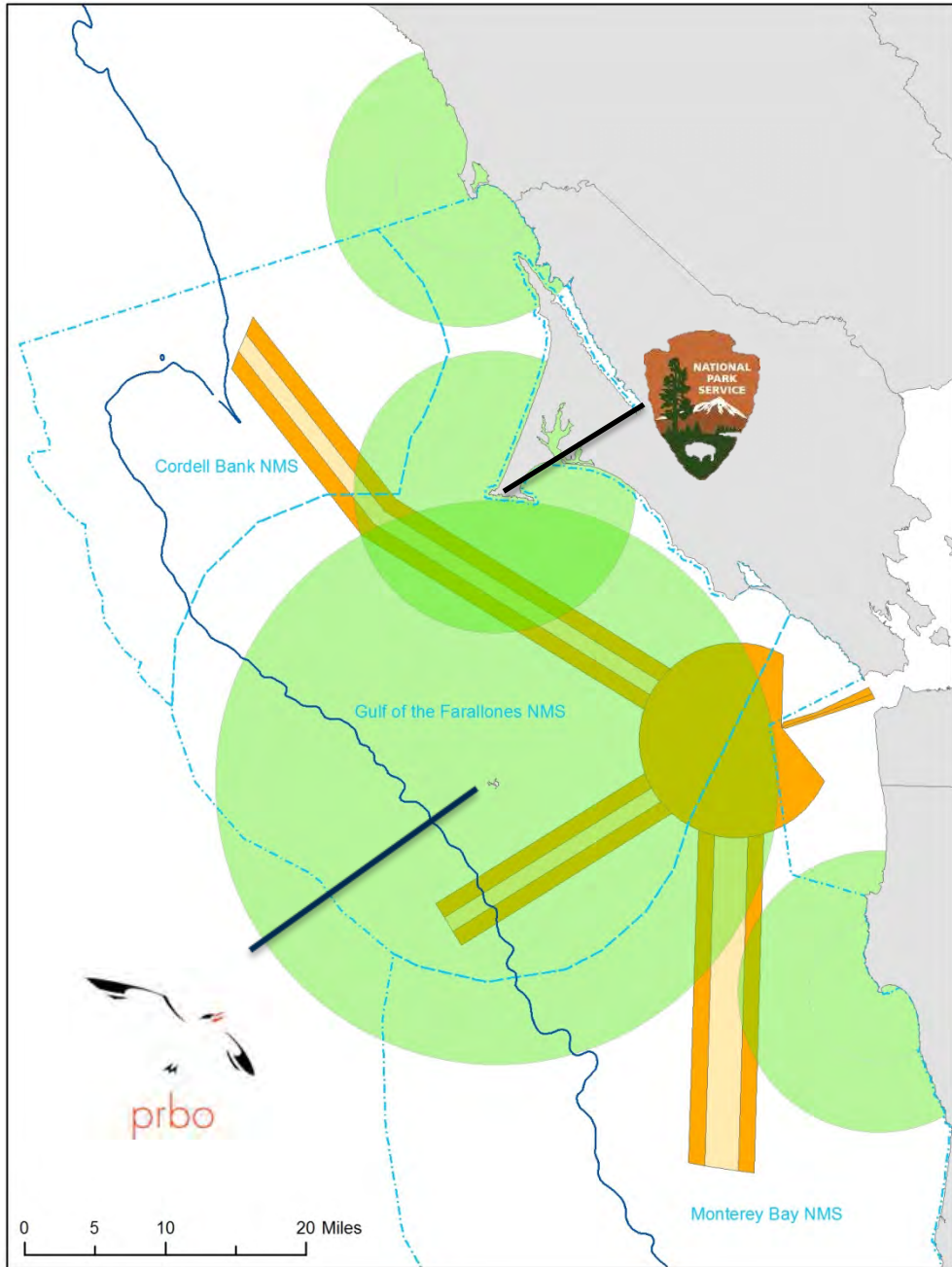


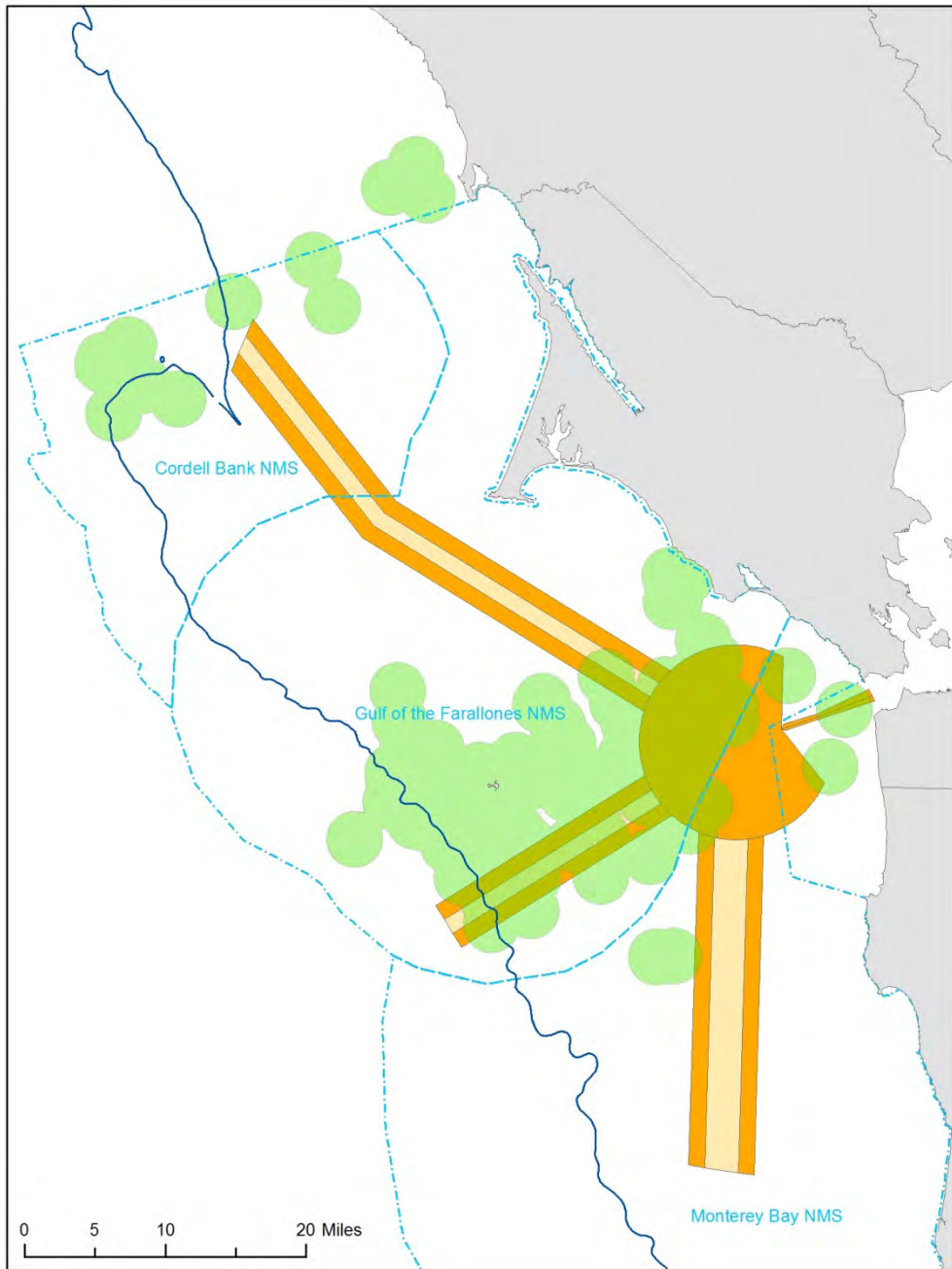
Whale **Aware**

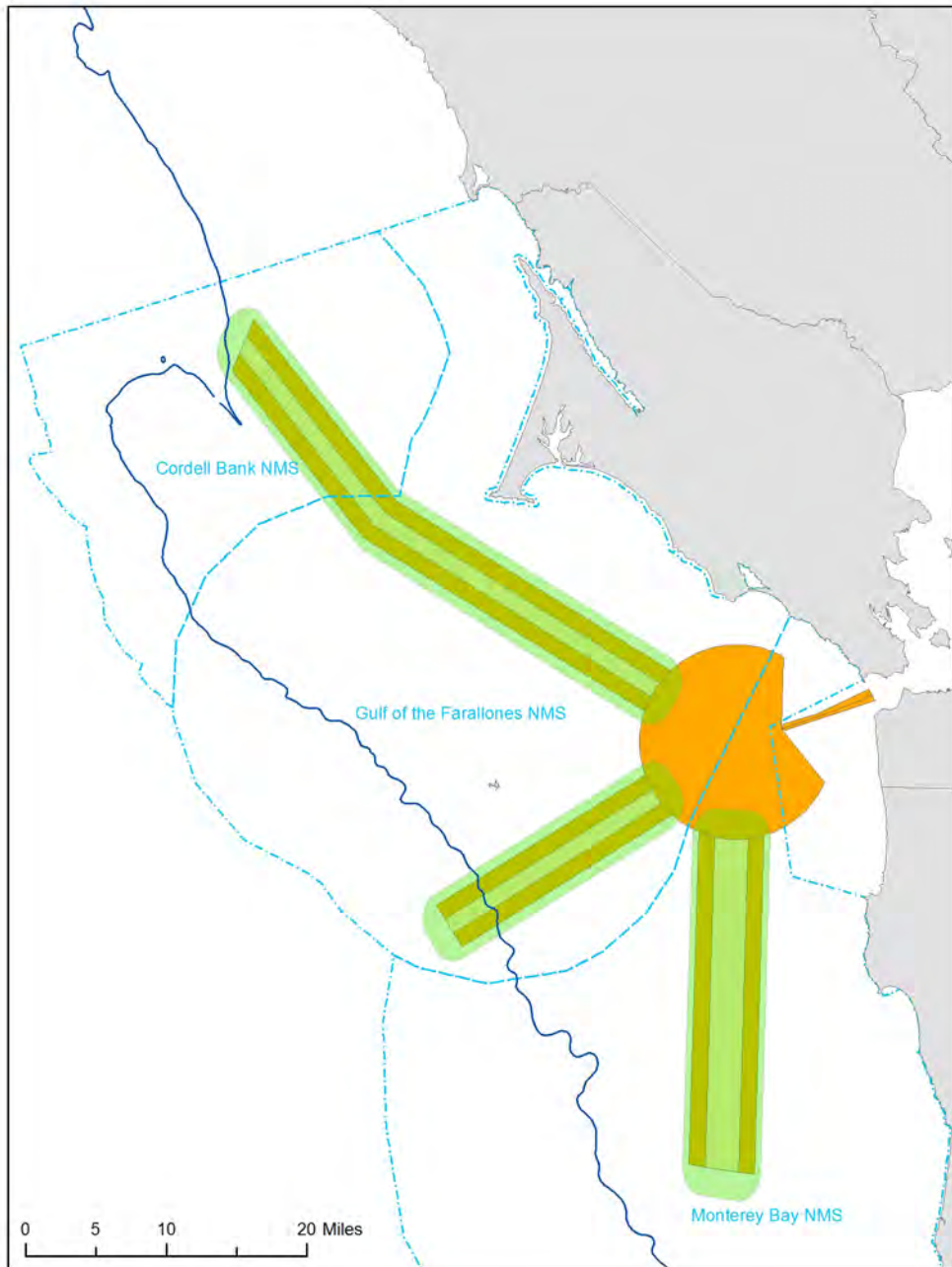


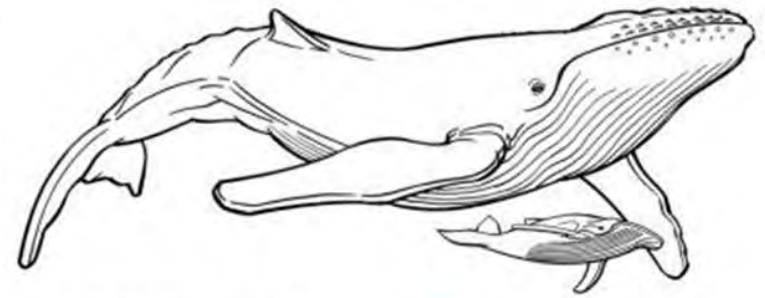
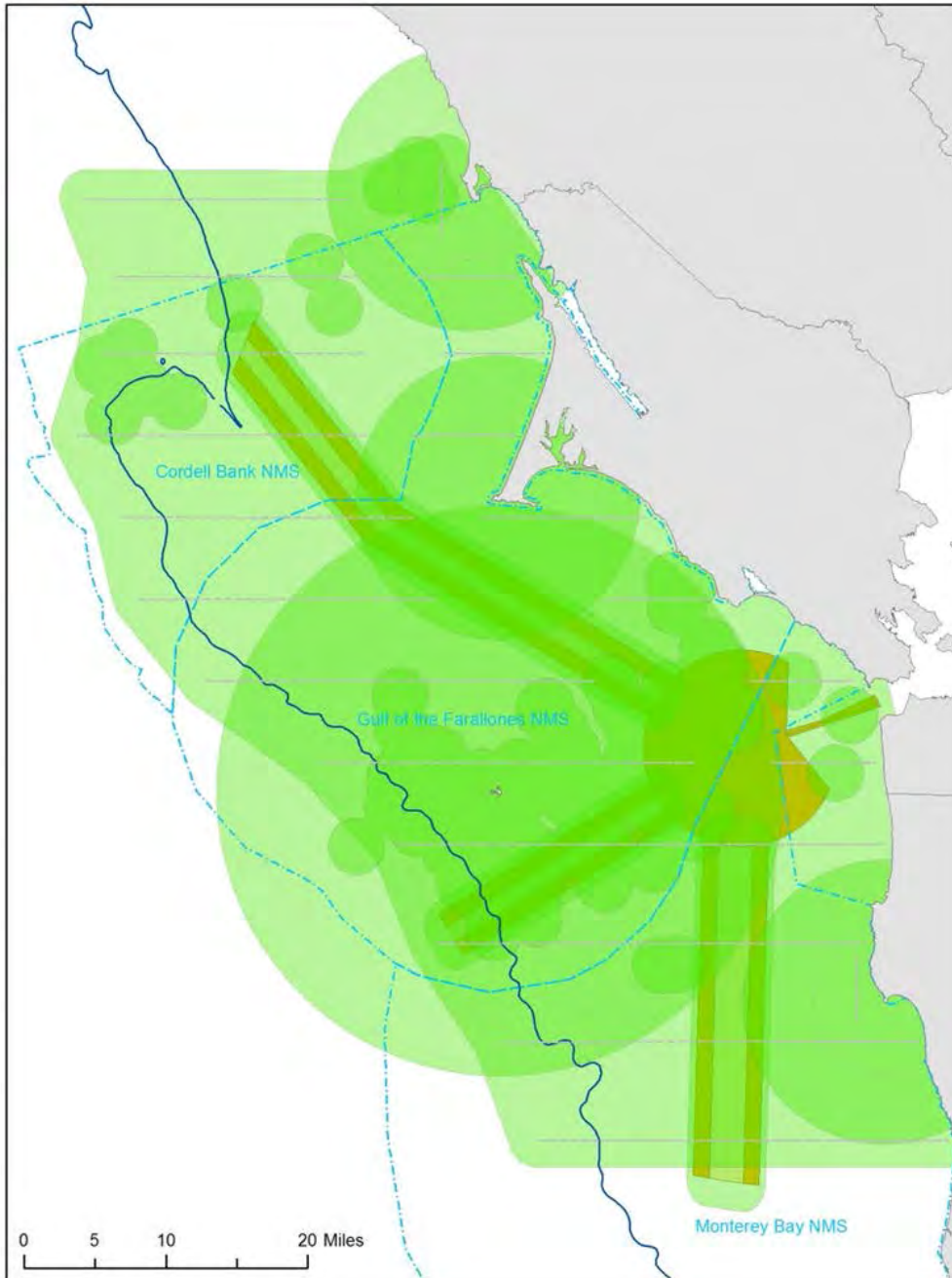
Real-time whale sighting and monitoring network:



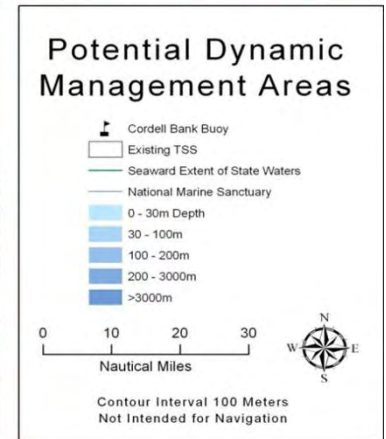
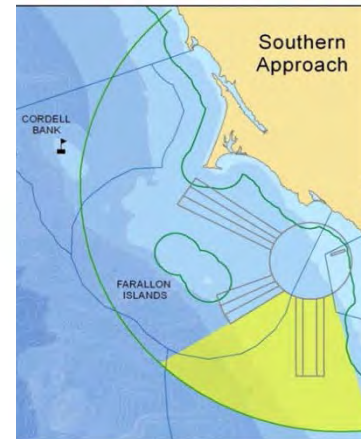
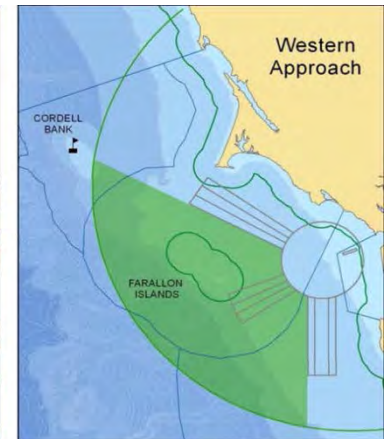
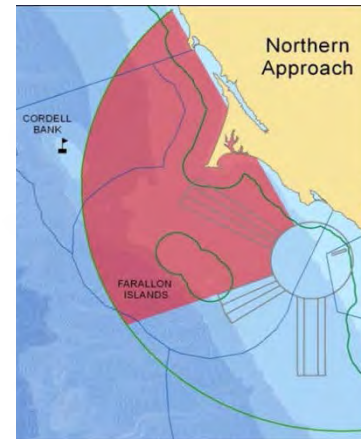








Whale **Aware**



Cordell Bank NMS Education Update



Michael Carver
Deputy Superintendent
Cordell Bank National Marine Sanctuary

May 21, 2013





OAK
LAND
MUSEUM
OF
CALIFORNIA

Oakland Museum of CA/Natural Sciences Gallery Grand Reopening !

May 31-June 2nd- Grand opening events

Celebrating the completion of the renovation of the Natural Sciences Gallery

Learn more: www.museumca.org



WINGED AMBASSADORS

OCEAN LITERACY THROUGH THE EYES OF ALBATROSS



FREE TEACHER WORKSHOP

Albatrosses, charismatic and threatened seabirds, are ambassadors for a clean ocean. They traverse vast oceanic regions searching for floating food. Along their journeys, they ingest plastic trash and are hooked in fisheries.

Winged Ambassadors is a set of five lessons that use real data from current research tracking albatross migrations and ocean plastic pollution. The lessons use inquiry-based science instruction, aligned to standards for grades 6 – 8 with extensions for grades 9 – 12.

Each lesson includes:

- Lesson plan with learning objectives and procedures, an outline of necessary materials and preparation, time estimates, suggested discussion questions and possible answers, ideas for differentiating activities for diverse learners, and expanded resources, videos and links
- Student Worksheets and Handouts for photocopying and/or projecting
- Presentations with photos, art, wildlife research data, and teacher presentation notes to support the lesson

Workshop Highlights

- Introduction to the *Winged Ambassadors* lessons
- Talks by Seabird Scientists
- Entrance/self exploration of the new Natural Sciences Gallery at the Oakland Museum of CA
- Full day marine biologist led boat trip to the Farallon Islands



Photo credit: Sophie Webb/ONMS/PRBO



Credit: Sophie Webb

When: June 26th and 27th, 2013
Location: Oakland Museum of California
**exception field trip on June 27th/ meet at Emeryville Sportfishing Center.*

Cost: FREE!

- K-12 teachers are eligible to receive \$40 stipend
- Free marine biologist led boat trip to the Farallones!
- Snacks and lunch provided on the 26th

Each participant will receive a print copy of the *Winged Ambassadors* curriculum and supporting printed materials

Online Registration: Space is limited

Go to:

https://www.surveymonkey.com/s/Winged_Ambassadors
to register

*Registration is required

For more information: Contact: Jennifer Stock
at jennifer.stock@noaa.gov or 415 663 1397

This workshop is co-sponsored by:

CORDELL
MARINE
SANCTUARY
FOUNDATION



OAK
LAND
MUSEUM
OF
CALIFORNIA



Funds for the workshop provided by NSF ANT 1142084

In collaboration with Cordell Bank National Marine Sanctuary and
Cordell Marine Sanctuary Foundation:

Celebrate World Ocean's Day!



Dive into the wild offshore ocean world of Cordell Bank National Marine Sanctuary, a thriving metropolis of ocean life above and below the water, just miles off the coast of Point Reyes. Watch a mini ocean film festival and tour the latest photo exhibit at the Point Reyes library featuring the Cordell Bank ecosystem. Take an ocean pledge and thank the ocean personally for all it provides with a fun photo opportunity! Light refreshments provided. An evening of fun for the whole family!

Thursday, June 6 6-8:00 pm
Point Reyes Station Library
11431 State Route One

All Library events are free. Call 415.663-8375 or visit www.marinlibrary.org



Events sponsored or conducted by the County of Marin are held in accessible sites. For accommodation requests call 415.473.3220 (voice), CRS dial 711) or email library@marincounty.org at least **four work days** in advance. Documents are available in alternative formats, upon request.