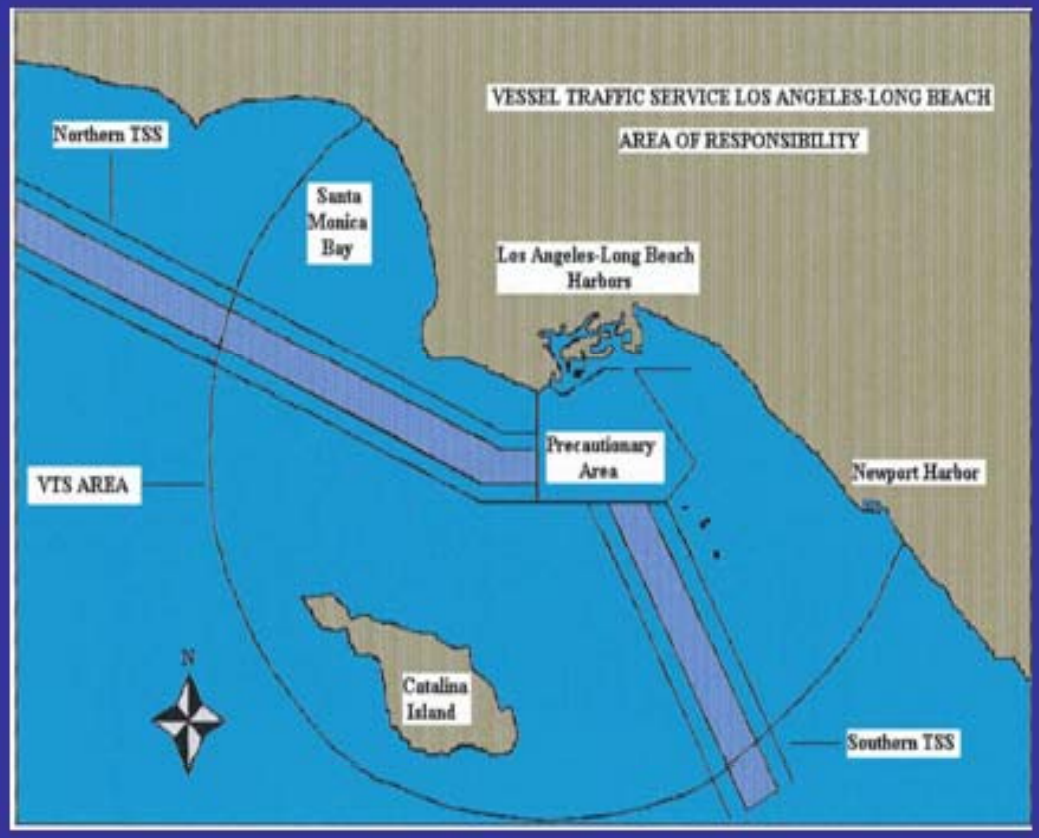
Vessel Traffic Patterns In SOCAL

Captain Dick McKenna
Executive Director
Marine Exchange of Southern California

MX/VTS

VTS Area of Responsibility

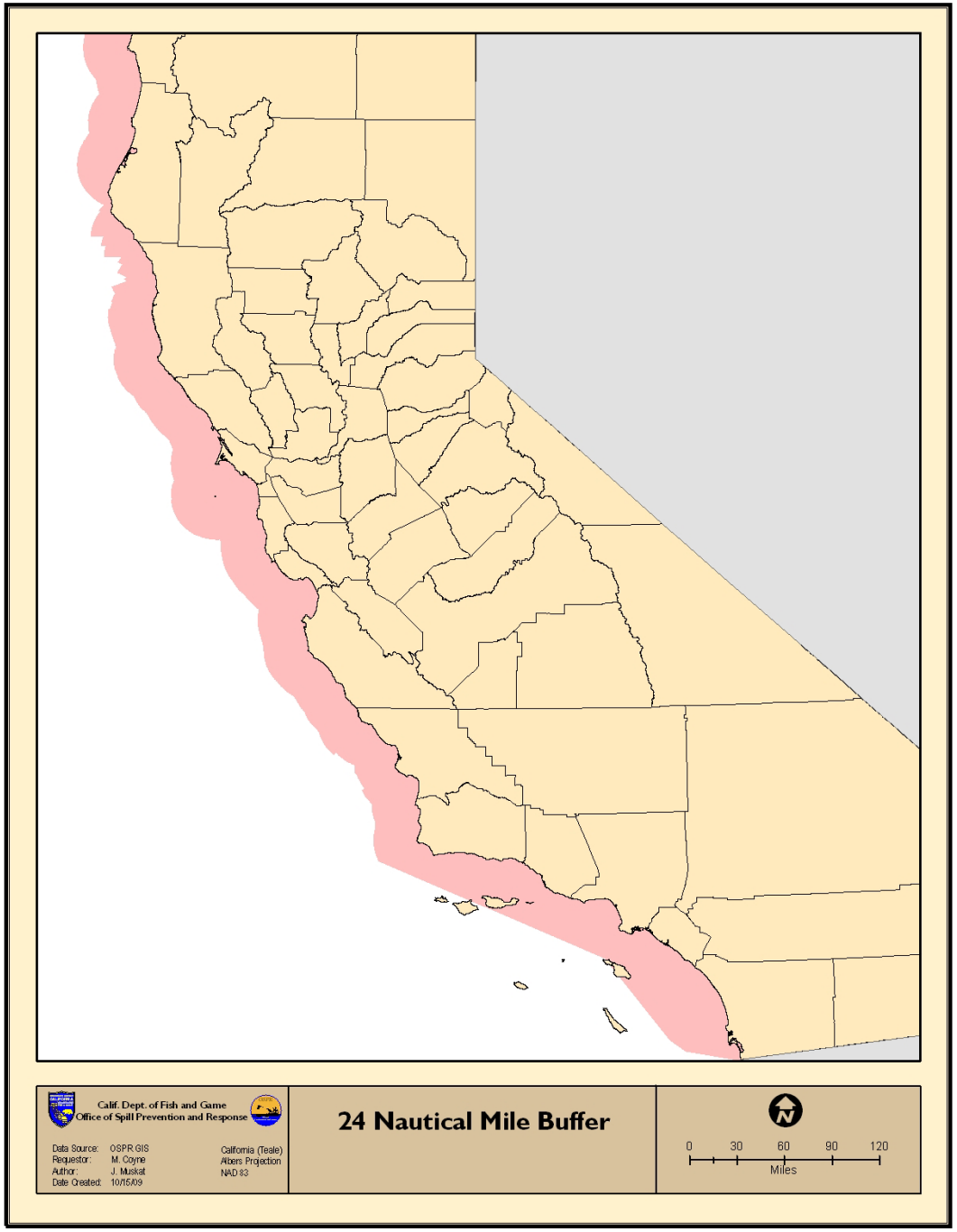
- 25 Mile Radius from Pt. Fermin; 1,200 square miles; authority limited to outside breakwater
- Pilot Stations Responsible for traffic control & facilitation inside breakwater
- VTMS – “MOU”: a seamless system.

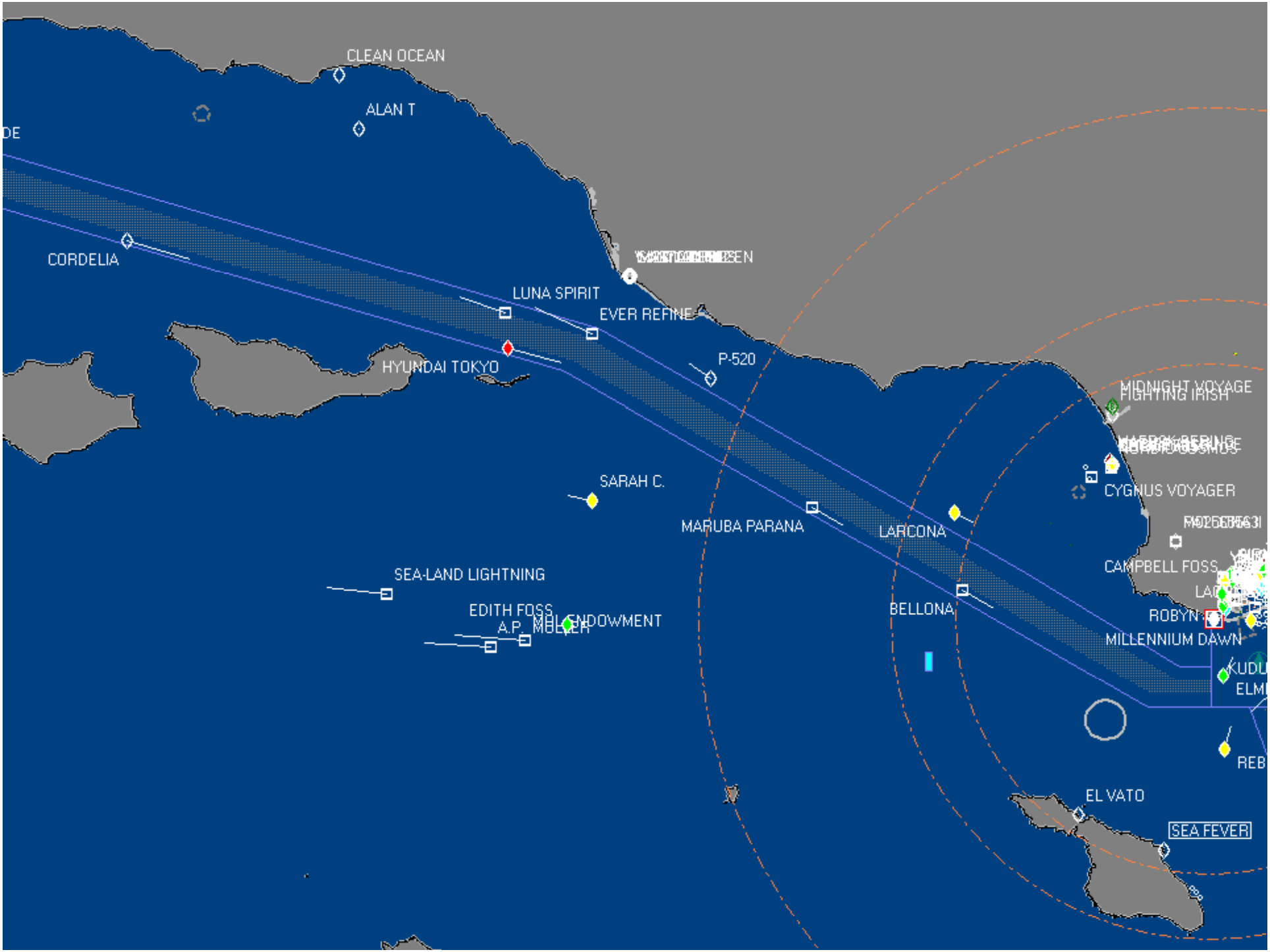


ARB Clean Fuel Requirements

- Requires use of cleaner fuels in main and auxiliary engines and auxiliary boilers
- Two Phases:
  - July 1, 2009
    - Use marine gas oil (average 0.3% sulfur) or
    - Use Marine diesel oil with a 0.5% limit
  - January 1, 2012
    - Use marine gas oil with a 0.1% sulfur limit, or
    - Use marine diesel oil with 0.1% sulfur limit

- ARB 2012 fuel sulfur limit is the same as the 2015 North American ECA fuel sulfur limit (0.1%)

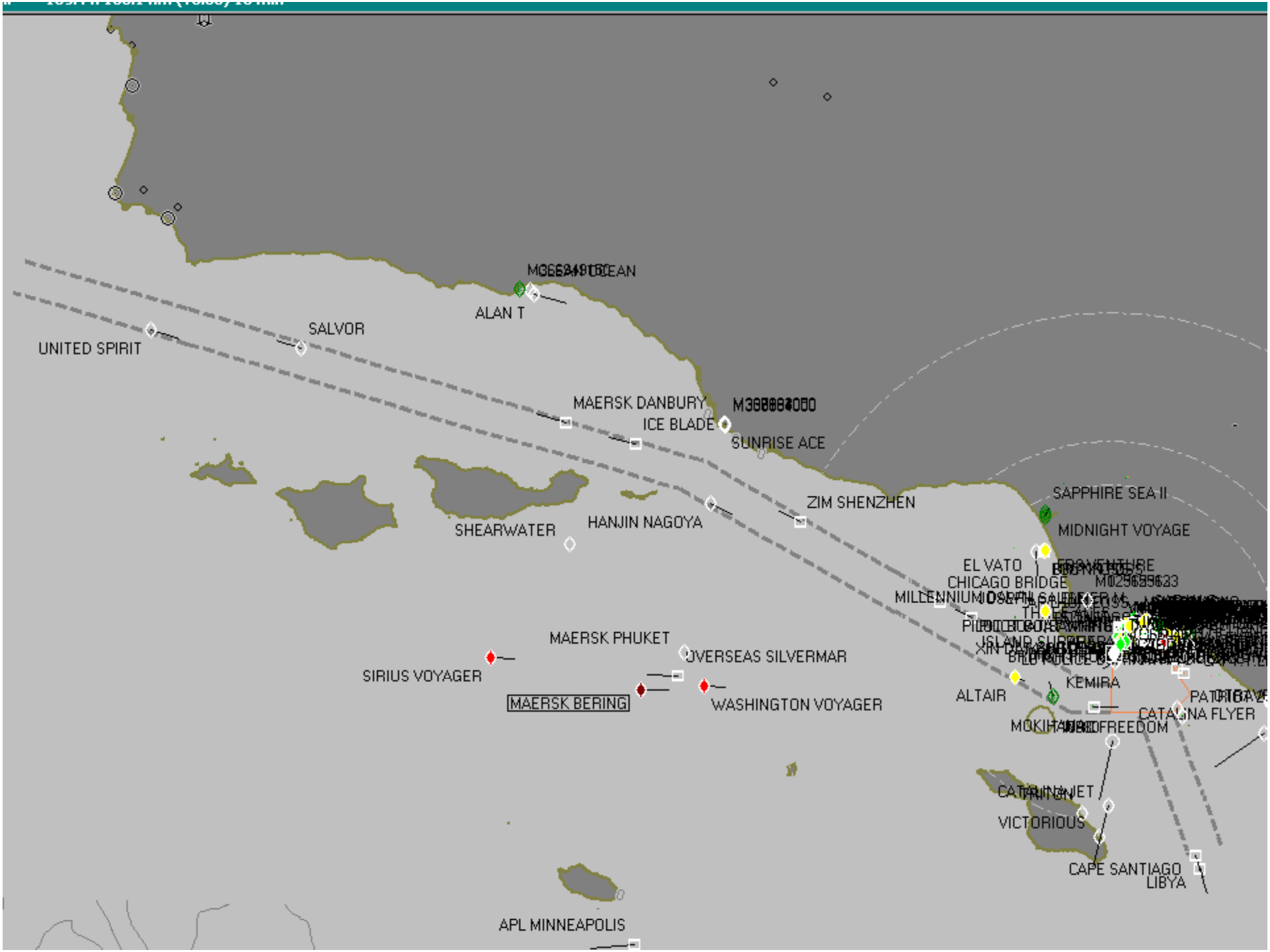

Calif. Dept. of Fish and Game
Office of Spill Prevention and Response
Data Source: OSPR GIS
Requestor: M. Coyne
Author: J. Muskat
Date Created: 10/15/09
California (Teale)
Albers Projection
NAD 83
24 Nautical Mile Buffer
0 30 60 90 120
Miles


CLEAN OCEAN
ALAN T
CORDELIA
LUNA SPIRIT
EVER REFINE
HYUNDAI TOKYO
P-520
MIDNIGHT VOYAGE
FIGHTING IRISH
SARAH C.
CYGNUS VOYAGER
MARUBA PARANA
LARCONA
CAMPBELL FOSS
SEA-LAND LIGHTNING
EDITH FOSS
A.P. MOLLER
BELLONA
ROBYN
MILLENNIUM DAWN
EL VATO
SEA FEVER

Traffic Pattern East-West

- Before 1 July ~ 7%
  - Tankers, Honolulu Traffic
- Post 1 July – Steady Increase to 45-50%
  - All Types, Coastal and TransPac
- SBC < 20%
- Southern Variant

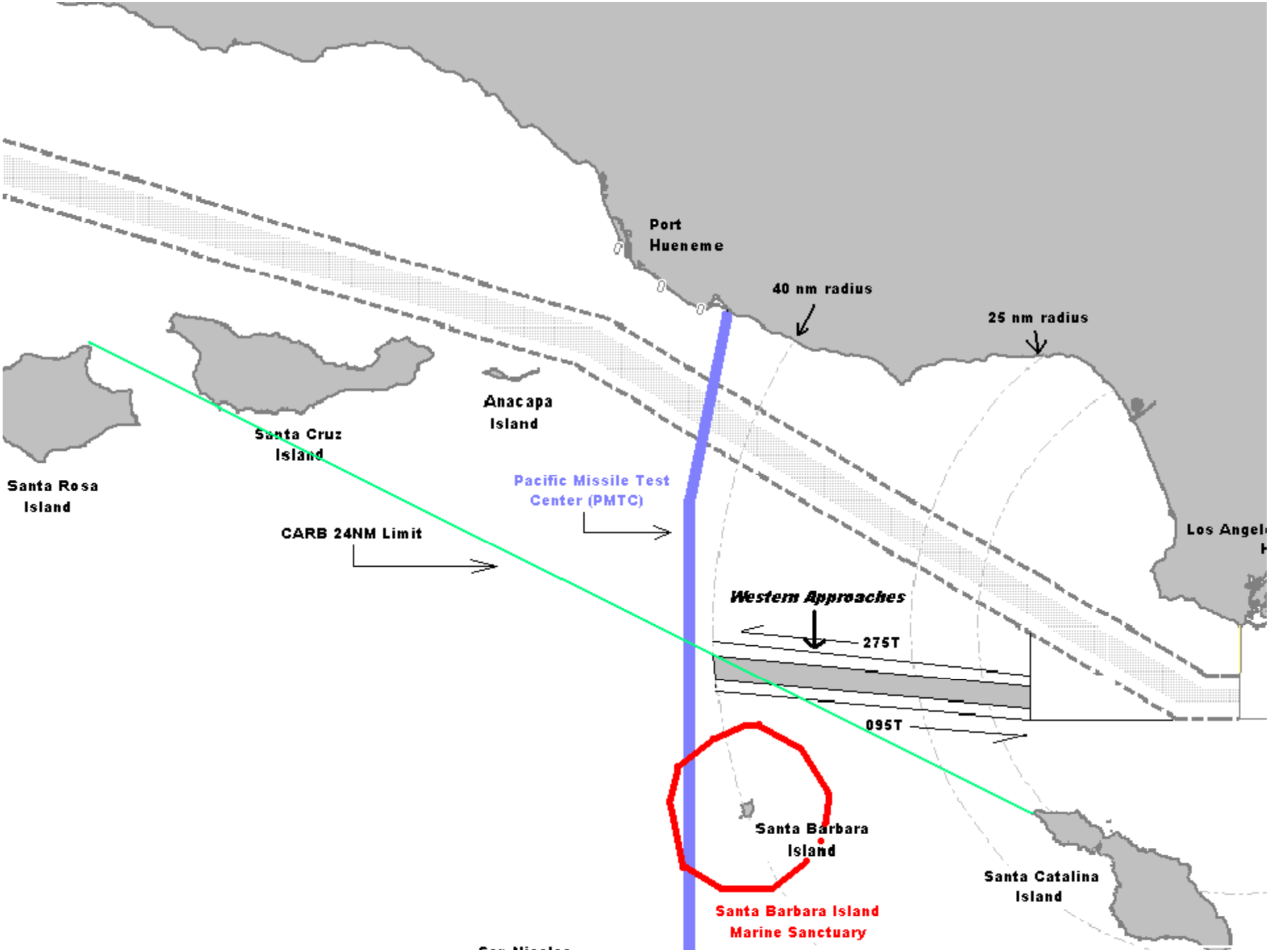
- The Navigation Safety Subcommittee of the Los Angeles/Long Beach Harbor Safety Committee convened in special meeting on July 31st 2009 to review recent changes to vessel traffic patterns and increased congestion in the waters south of the Santa Barbara Channel Islands.

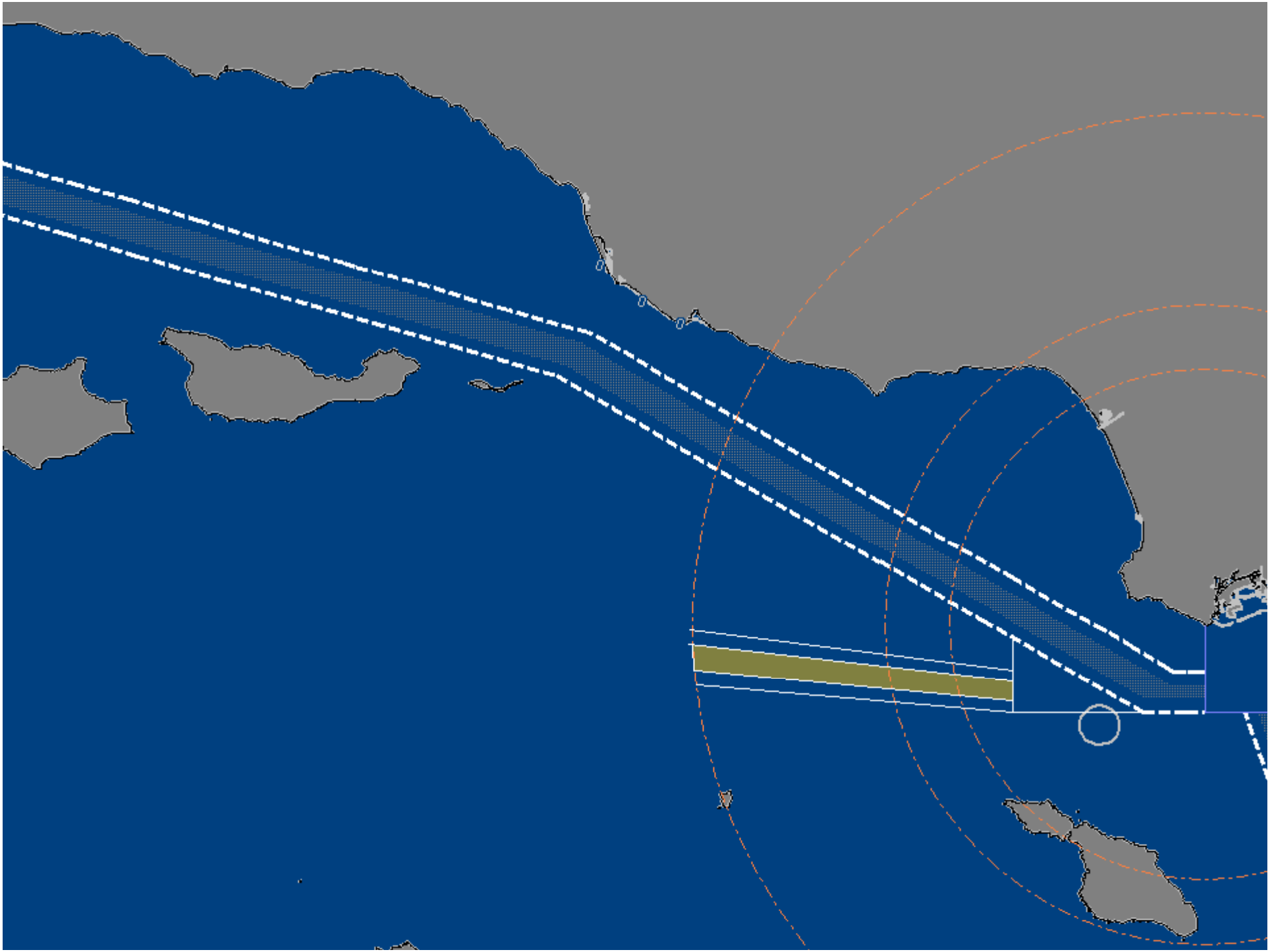

ALAN T
SALVOR
UNITED SPIRIT
MAERSK DANBURY
ICE BLADE
SUNRISE ACE
ZIM SHENZHEN
HANJIN NAGOYA
SHEARWATER
SAPPHIRE SEA II
MIDNIGHT VOYAGE
EL VATO
CHICAGO BRIDGE
MILLENNIUM
MAERSK PHUKET
SIRIUS VOYAGER
MAERSK BERING
WASHINGTON VOYAGER
ALTAIR
KEMIRA
CATALINA FLYER
FREEDOM
VICTORIOUS
CAPE SANTIAGO
LIBYA
APL MINNEAPOLIS

SITUATION

- **Since July 1, 2009 traffic congestion of converging eastbound and westbound vessels in the area south of the Santa Barbara Channel Islands has increased significantly, and**
- **No formalized routing system exists in this area to keep eastbound and westbound traffic flows separated, and**
- **This increased traffic congestion poses an increased risk of collision in the area south of the Santa Barbara Channel Islands and raises concerns regarding navigation safety, and**
- **This traffic congestion is likely to increase further as the U.S. economy improves, and**
- **The purpose of formalized routing system is to improve the safety of navigation in converging areas where the density of traffic is great, and**
- **Formalized traffic lanes are an effective means to keep opposing traffic flows separated and thereby reduce the risk of collision, and**
- **The U.S. Coast Guard is responsible for the design and development of routing systems under guidelines established by the IMO.**

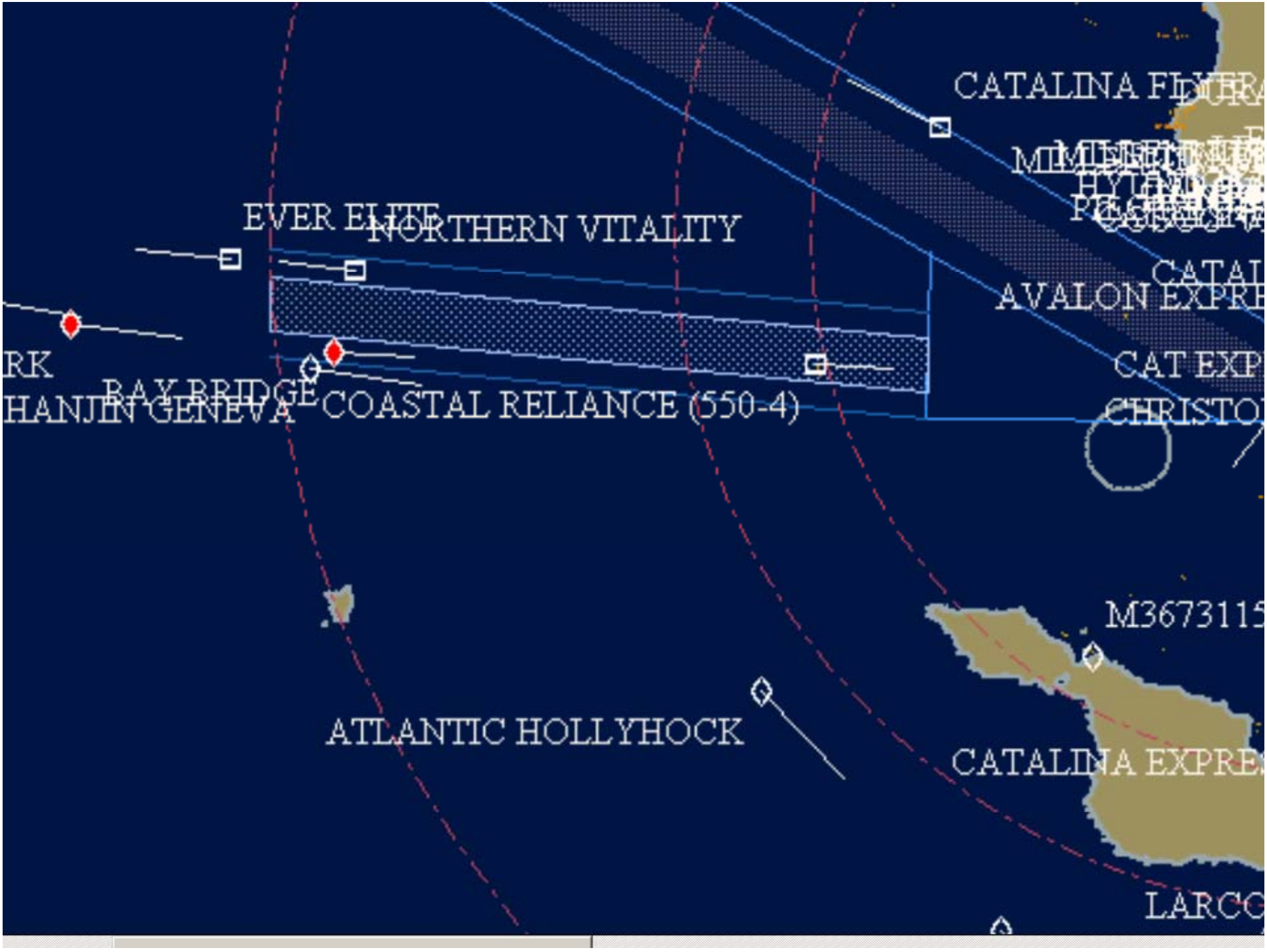
- **Based on the above, the Los Angeles/Long Beach Safety Committee, Navigation Safety Subcommittee recommends the establishment of traffic lanes as soon as practicable in the Western approach to the Los Angeles and Long Beach Harbors.**


Port
Hueneme
40 nm radius
25 nm radius
Anacapa
Island
Santa Cruz
Island
Santa Rosa
Island
Pacific Missile Test
Center (PMTC)
CARB 24NM Limit
Western Approaches
275T
095T
Santa Barbara
Island
Santa Catalina
Island
Santa Barbara Island
Marine Sanctuary



Current Situation

- Continuous Improving usage of Lanes
- Close Liaison w/VTS, Plead Control (USN)
- One Exercise Cancelled/Interrupted to Date
- Transits Occur in Deep Water, Well Clear of Sanctuary
- VTS Oversight Beyond AOR
- Discussions Ongoing Between USN, ARB
- USCG Conducting Port Access Route Study (PARS)

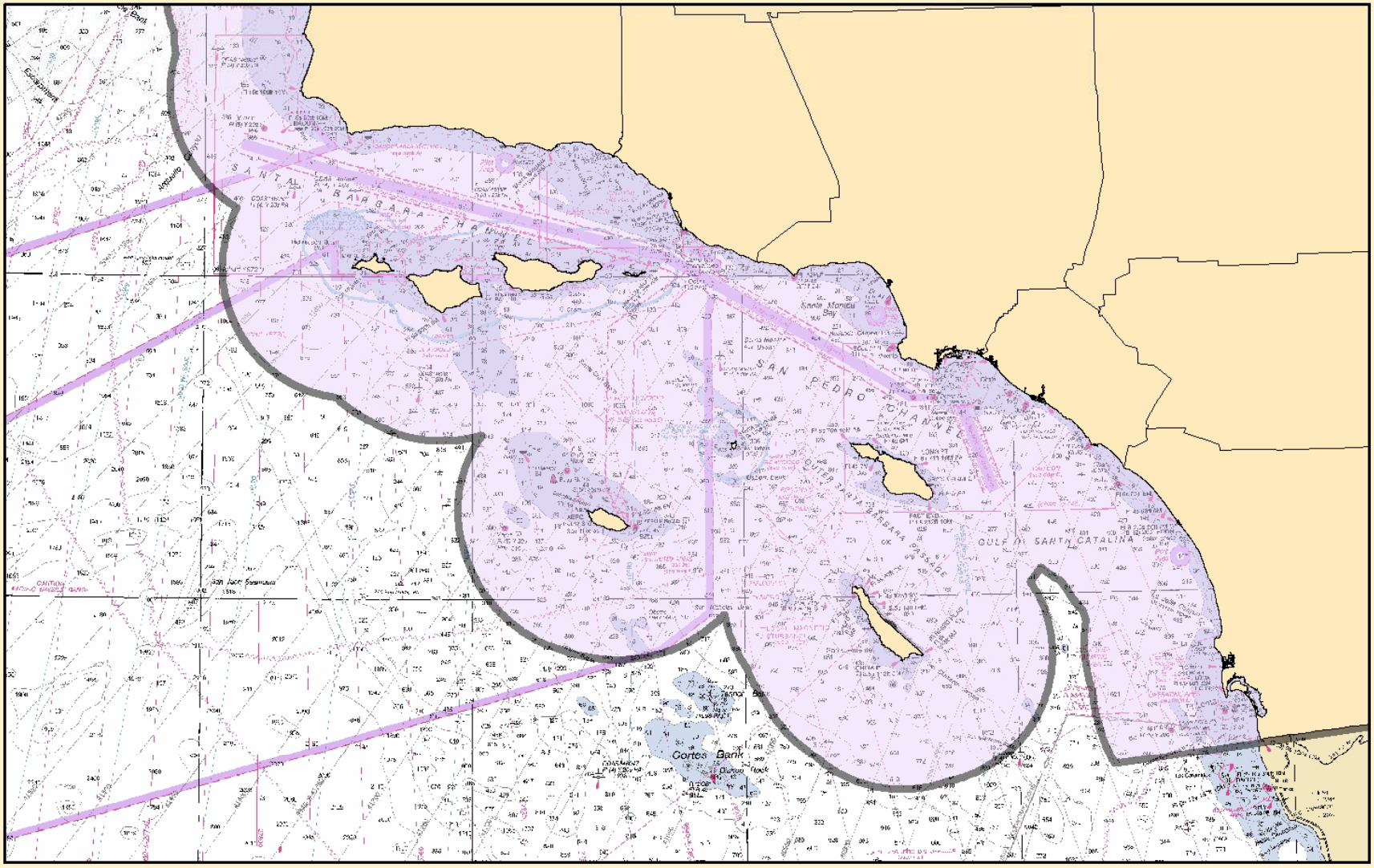

CATALINA FL
EVER ELITE
NORTHERN VITALITY
AVALON EXPR
CAT EXP
RK
BAY BRIDGE
HANJIN GENEVA
COASTAL RELIANCE (550-4)
M3673115
ATLANTIC HOLLYHOCK
CATALINA EXPRE
LARCG

Recognition

- For its Initiative, HSC LA-LB Recognized as National Harbor Safety Committee of The Year

New Challenges

- CARB to Include 24NM Around Islands
- Effort to Send Ships Back to SBC
- Workshops Underway
- Hearing Set for Feb 2011
- Target July 2011
- USCG PARS Underway
- IMO ECA 2012-2015



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Miles

Question

- How Will Ships React?