



European Parliament Event by SEARICA & IFAW : How can underwater noise be effectively reduced ?

Director Environmental Management Wolfram Guntermann

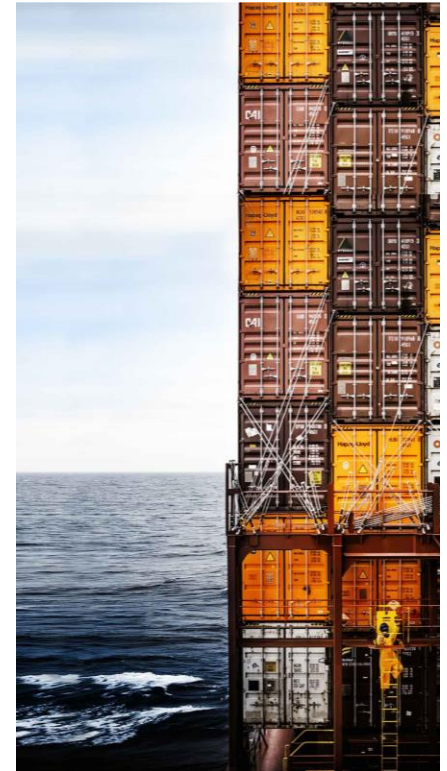
European Parliament Brussels June 26 2018



Hapag-Lloyd

We have been building one of the world's leading container lines...

- A shipping company with 170 years of experience
- The fleet comprises 215 container ships
- The TEU capacity of the entire Hapag-Lloyd fleet amounts to ~1.6 million TEU
- Hapag-Lloyd has a container fleet with a transport capacity of ~2.3 million TEU
- Offering one of the world's largest and state-of-the-art reefer container fleets
- Worldwide network of more than 115 liner services
- More than 12,000 employees



May I introduce myself?

Captain Wolfram Guntermann

Director Environmental Management Hapag-Lloyd AG

Sailing Career began in 1979

Masters and Engineers Licence, sailing as Ship Operation Officer

Master on several Hapag-Lloyd Vessels

Assignments to positions ashore in London, New York and Hamburg



Protecting the North Atlantic Right Whale Population

NOAA Fisheries (National Oceanic and Atmospheric Organization) issued a final rule in 2008 on temporary speed reductions and ATBA

Hapag-Lloyd contributed in many public hearings in Boston MA, Washington DC from the beginning of the decade

Shipping Associations participated as well

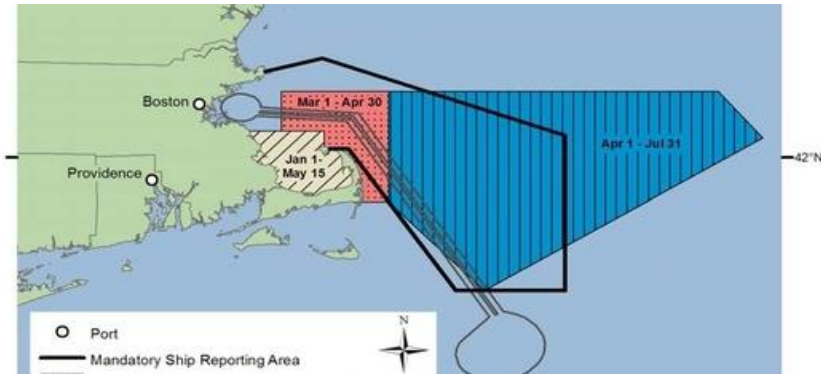
Constructive and interesting discussions

Government Vessels (i.e. USCG and NAVY) remain exempt from the regulation.

(Pictures ff NOAA)



All vessels have to travel at 10 knots or less in certain locations (Seasonal Management Areas)



Seasonal Management Areas – Northeast

Vessel routing recommendations to reduce collisions with North Atlantic right whales

Voluntary seasonal Area To Be Avoided (ATBA) is in effect each year from April 1 to July 31, when right whales face their highest risk of ship strikes in this area.



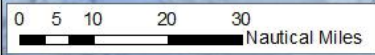
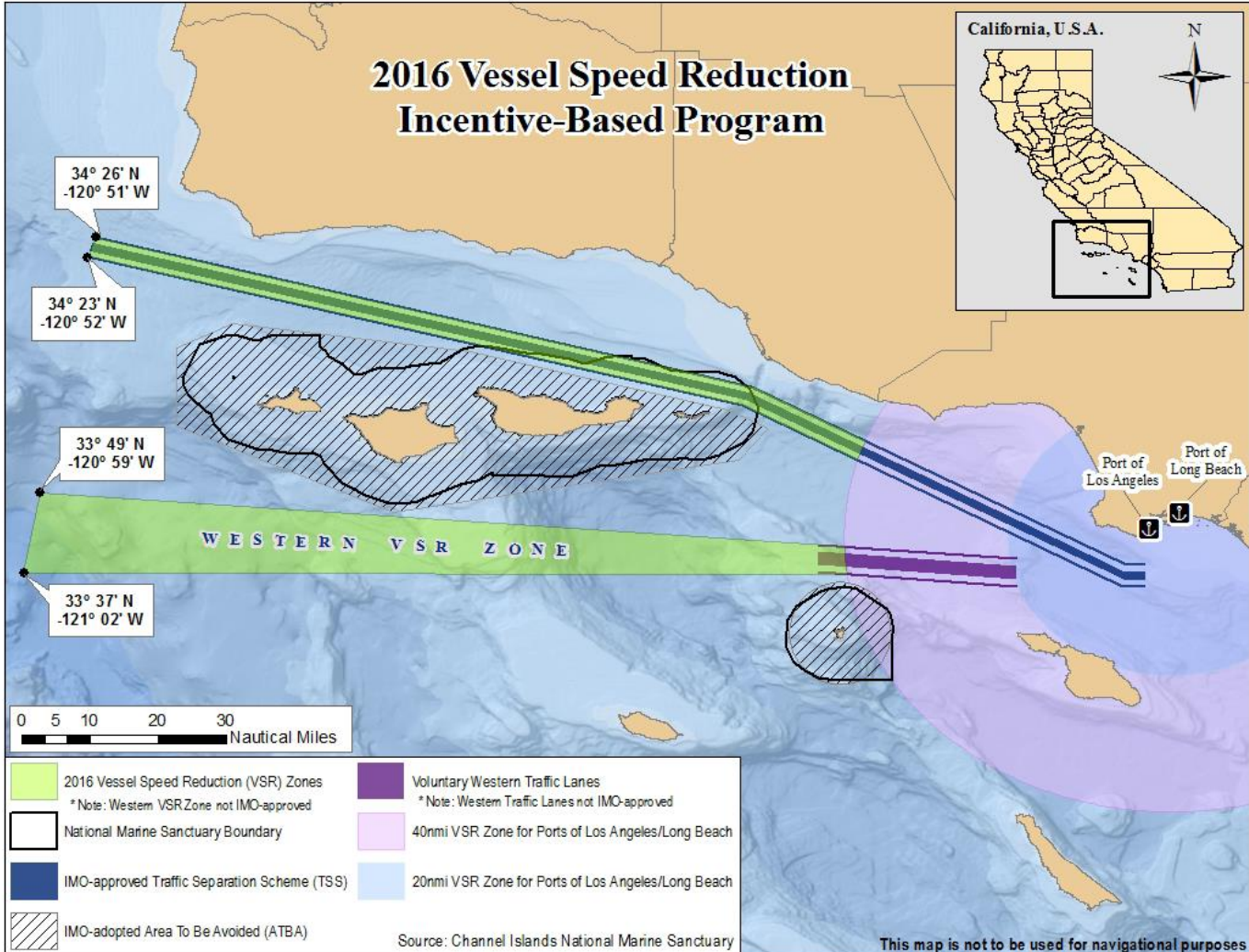
Seasonal Management Areas - Mid-Atlantic








Mandatory Ship Reporting System

Ships entering the two key right whale habitats are required to report to a shore-based station.

In return, ships receive a message about right whales, and locations of recent sightings.

2016 Vessel Speed Reduction Incentive-Based Program



- | | |
|--|---|
|  2016 Vessel Speed Reduction (VSR) Zones
* Note: Western VSR Zone not IMO-approved |  Voluntary Western Traffic Lanes
* Note: Western Traffic Lanes not IMO-approved |
|  National Marine Sanctuary Boundary |  40nm VSR Zone for Ports of Los Angeles/Long Beach |
|  IMO-approved Traffic Separation Scheme (TSS) |  20nm VSR Zone for Ports of Los Angeles/Long Beach |
|  IMO-adopted Area To Be Avoided (ATBA) | |

Source: Channel Islands National Marine Sanctuary

This map is not to be used for navigational purposes

Santa Barbara Channel Voluntary Speed Reduction

Program was developed and implemented by the Santa Barbara County Air Pollution Control District, Channel Islands National Marine Sanctuary and the Environmental Defense Center.

Modeled after successful speed reduction incentive programs at the Ports of Long Beach and Los Angeles, where more than 90 percent of the shipping lines participate in those programs.

Participation resulted in a very positive response by Californian Government Agencies and the media as well.

IMO MEPC Submission 72/16/5 by Canada is referring to noise emission measurements conducted in the Santa Barbara Channel since 2008.

Modifications of hydrodynamic characteristics and propeller have resulted in improved noise emissions of vessels.

Similar improvements had been already conducted on many Hapag-Lloyd vessels.

Vancouver Fraser Port Authority's Enhancing Cetacean Habitat and Observation (ECHO) Programme

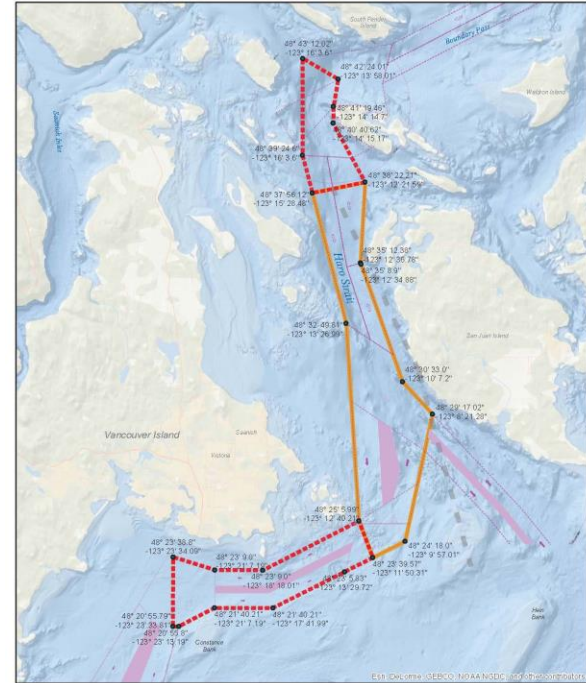
Participation in the Haro Strait slowdown trial, aimed at studying the impact of underwater acoustic disturbance on the local endangered Orca Whale population.

The trial ran for transits between August 7th and October 6th 2017

Maintain a speed of 11 kn through water over the entire trial distance in order to qualify.

Transition zones used to reduce or resume speed, the Pilot on board will also have these coordinates saved on his Pilotage Unit.

New test series planned for 2018.



ECHO Program
Voluntary vessel slowdown trial
to 11kn through Haro Strait



PORT OF VANCOUVER
VPA Spatial Data Group
Mar 2023
PLAN #10287-000

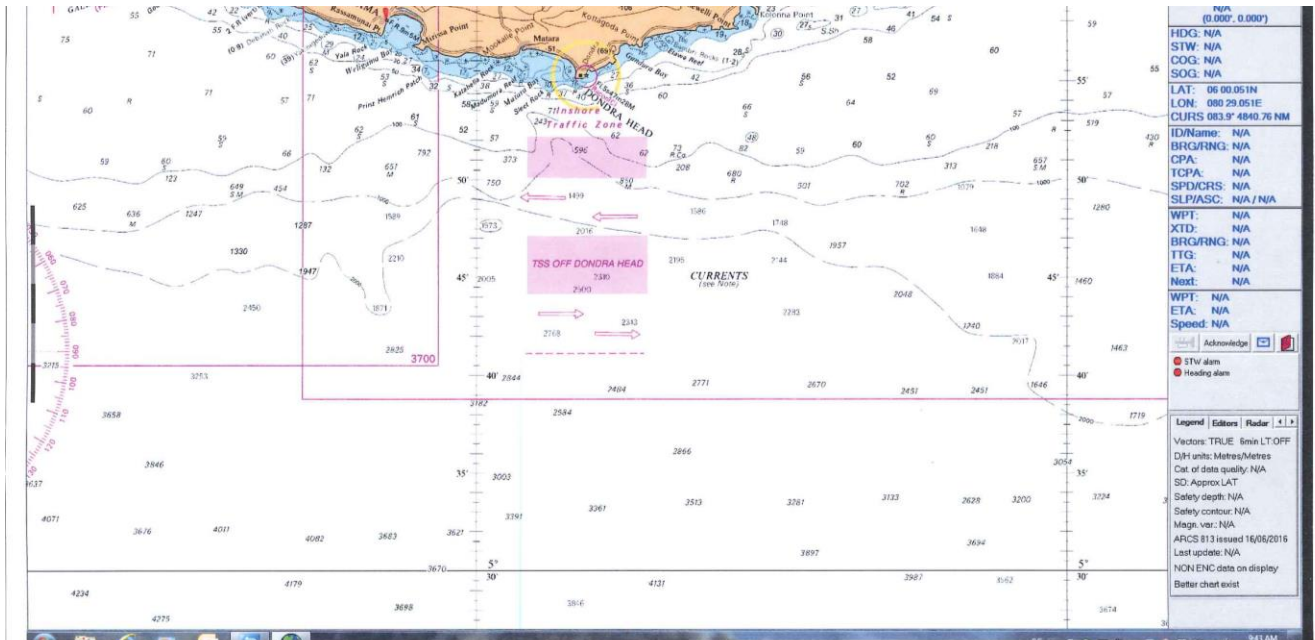
Protecting the Blue Whale Population off Dondra Head Traffic Separation Scheme/ Sri Lanka

Feeding area for Blue Whales at the edge of the shelf.

WSC Initiative for industry letter to Prime Minister of Sri Lanka in 2017

Request to take action at IMO to move the TSS South well clear of the Blue Whale population.

No response yet, but working with IMO and IFAW to formally move Sri Lanka TSS.



Thank you
for your attention!



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