

# Results from the 2018 Vessel Speed Reduction Incentive Program

## Board of Directors Santa Barbara County Air Pollution Control District

Our Mission: To protect the people and the environment of Santa Barbara County from the effects of air pollution.

Aeron Arlin Genet  
Director / APCO

Tim Mitro, Air Quality Engineer  
March 21, 2019



# Vessel Speed Reduction (VSR) Program

- **Fourth-year of the VSR Program:** 2014, 2016, 2017, and 2018
- Asked companies to voluntarily slow down to 10 knots or less
- VSR season (July 1 to November 15) coincides with:
  - Ozone Season; and
  - Whales present off the California Coast

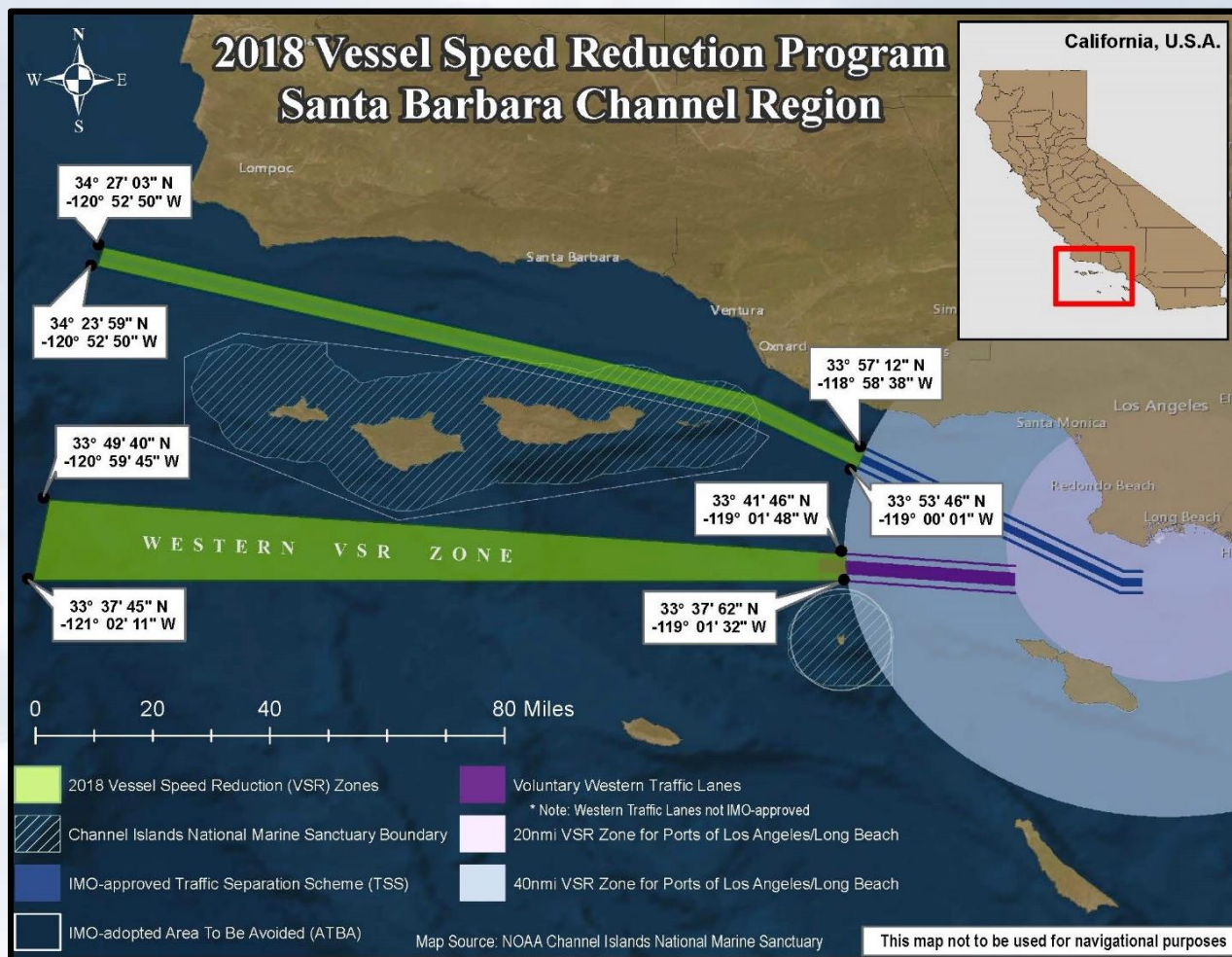
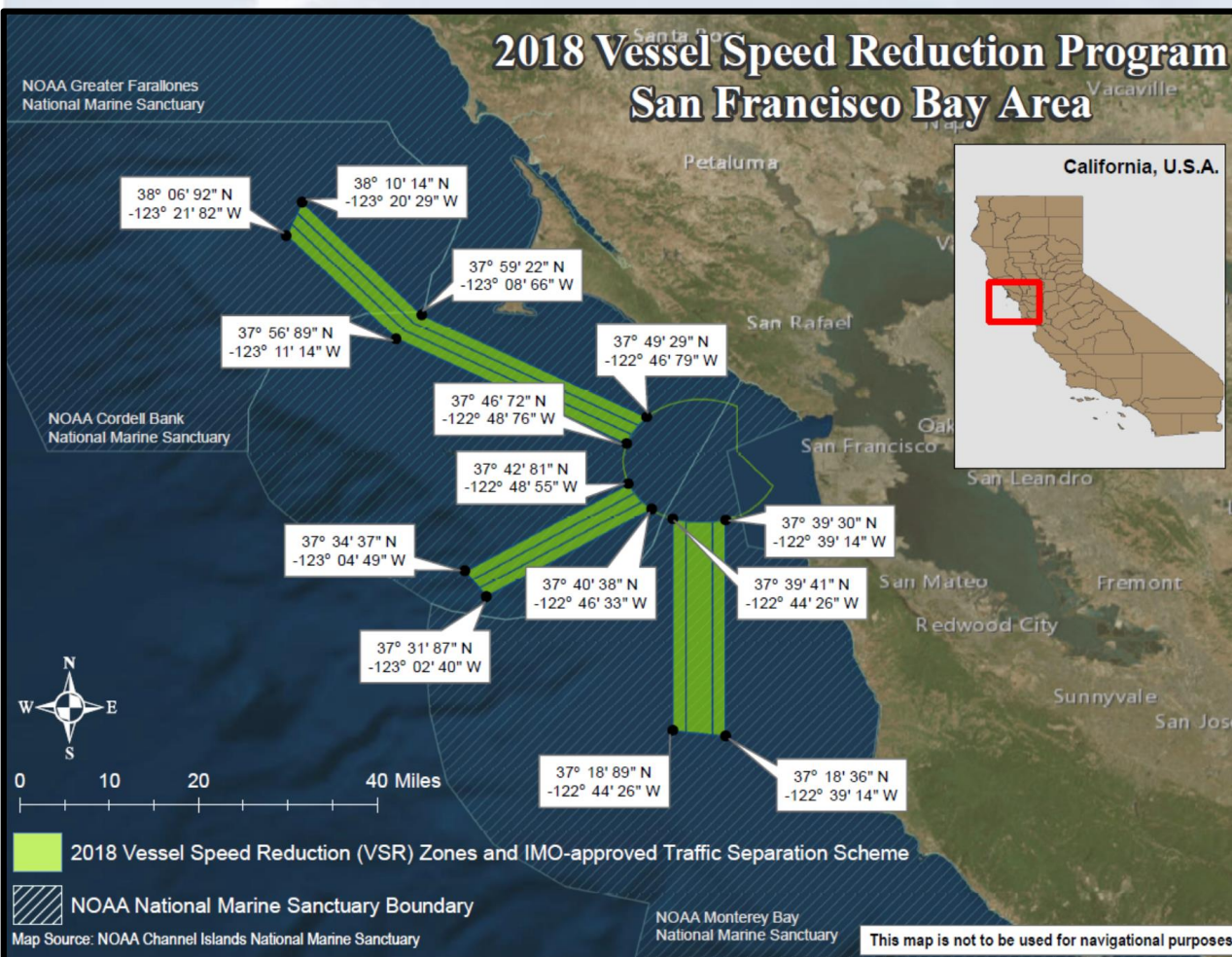


**Protecting Blue Whales and Blue Skies is a partnership  
for cleaner air, safer whales, and quieter oceans**

Santa Barbara County Air Pollution Control District	Channel Islands National Marine Sanctuary	National Marine Sanctuary Foundation
Ventura County Air Pollution Control District	Cordell Bank National Marine Sanctuary	California Marine Sanctuary Foundation
Bay Area Air Quality Management District	Greater Farallones National Marine Sanctuary	The Volgenau Foundation
	Monterey Bay National Marine Sanctuary	Environmental Defense Center




# 2018 VSR Zones





# 2018 VSR Program

- ❖ VSR Season: July 1 – November 15
- ❖ Fleet-based approach
- ❖ Program is for containerships and auto carriers.
- ❖ % Distance @  $\leq 10$  knots for award
- ❖ Over \$240,000 in incentive funding



Award Tier	Fleet Compliance: % Distance traveled at 10 knots or less
Sapphire	75 - 100%
Gold	50 - 74%
Silver	25 - 49%
Bronze	10 - 24%

# 2018 VSR – Results

Company Name	SB Region	Bay Area	Incentive Award
MSC	Sapphire	Sapphire	\$75,000
GALI	Silver	Sapphire	\$4,000
K-Line	Gold	Gold	\$25,000
NYK RoRo	Gold	Gold	\$25,000
Hyundai Glovis	Gold	Gold	\$25,000
Cosco	Gold	Silver	\$25,000
Evergreen	Silver	Gold	\$22,000
Hapag-Lloyd	Silver	Gold	\$18,000
Maersk	Silver	Silver	\$12,000
CMA-CGM	Bronze	Silver	\$6,000
ONE	Bronze	Silver	\$5,000
Yang Ming	---	Silver	---



# 2018 VSR Awards Ceremony



**Left:** Maersk  
**Mid:** MSC  
**Right:** Cosco

# VSR Results – All Years

	2014	2016	2017	2018
Area	Santa Barbara Channel	Channel region	Channel region & SF Bay Area	Channel region & SF Bay Area
Incentive Funding	\$67,500	\$107,750	\$187,500	\$242,000
# Companies	7	10	11	12
# Vessels	14	25	44	280
Slow-speed Distance	2,700 nautical miles (nm)	5,000 nm	12,630 nm	46,026 nm
Emission Reductions	12.4 tons NOx 535 MT GHG	25.6 tons NOx 1,005 MT GHG	83.5 tons NOx 2,630 MT GHG	266 tons NOx 8,668 MT GHG

# Future of VSR

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- **Federal Update:** Blue Whales and Blue Skies Act (HR3682)
  - Supported by Alan Lowenthal (47<sup>th</sup> Congressional District)
  - Recognizes voluntary VSR efforts
  - Planned to be reintroduced
- **California Update:** Ocean Resiliency Act (SB 69)
  - Introduced by Scott Weiner (CA Senate District 11)
  - Includes a state-led program on voluntary VSR
- **2019 VSR Program:**
  - Coming soon!
  - Similar level of funding as the 2018 Program





# Questions? Contact Information

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