

# 2018 Vessel Speed Reduction (VSR) 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

Mary Byrd, Community Programs Supervisor

Tim Mitro, Air Quality Engineer

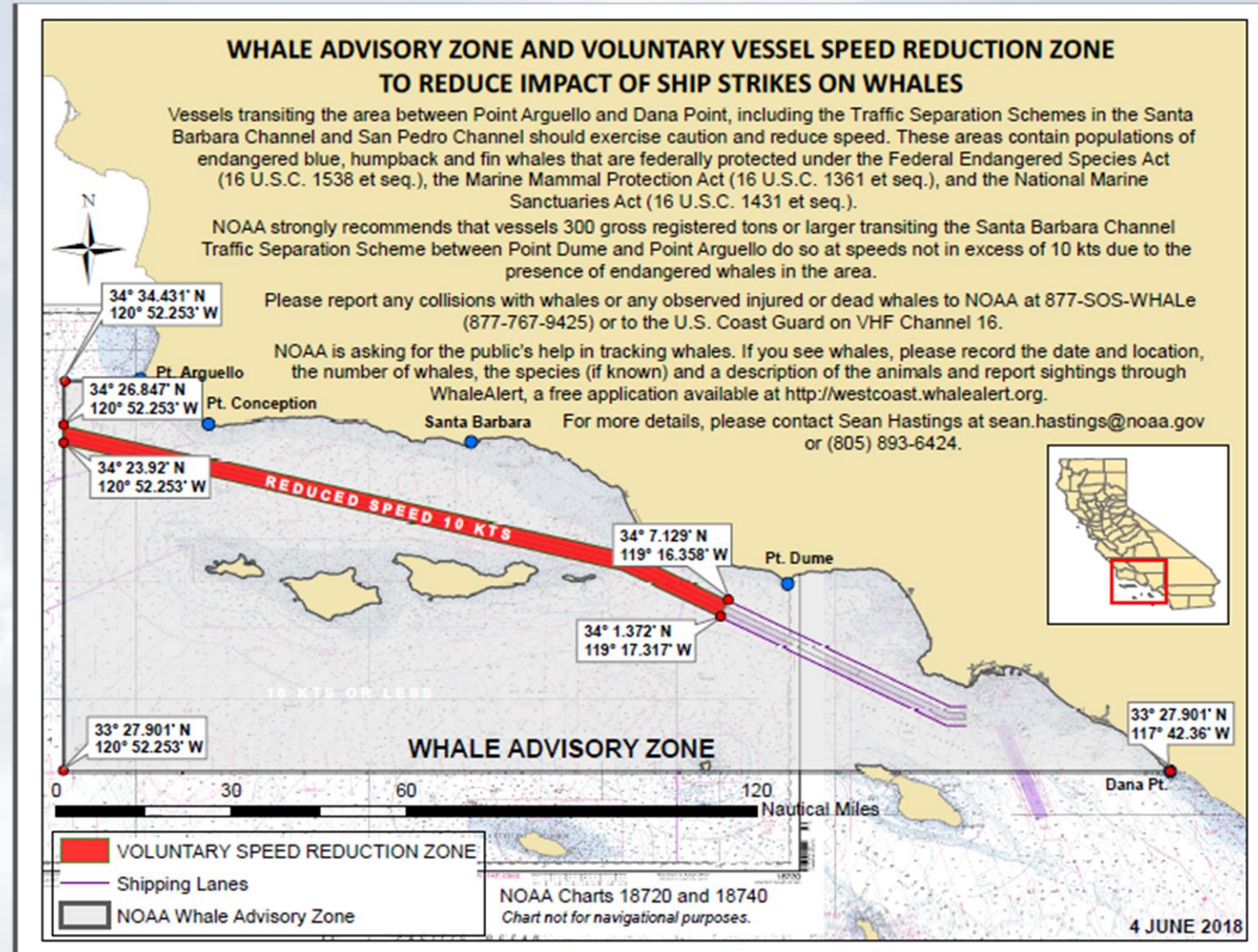
June 21, 2018



*Photo by Robert V. Schwemmer*

# Firsts

- Voluntary Whale Advisory Zone coincides with VSR zone and with VSR season





# Firsts

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- Program can promise 2 consecutive years of funding  
(Funding for 2019 from Ventura air district state monies & Volgenau)
- Target speed set at 10 knots
- Fleet approach



*Photo by Robert V. Schwemmer*

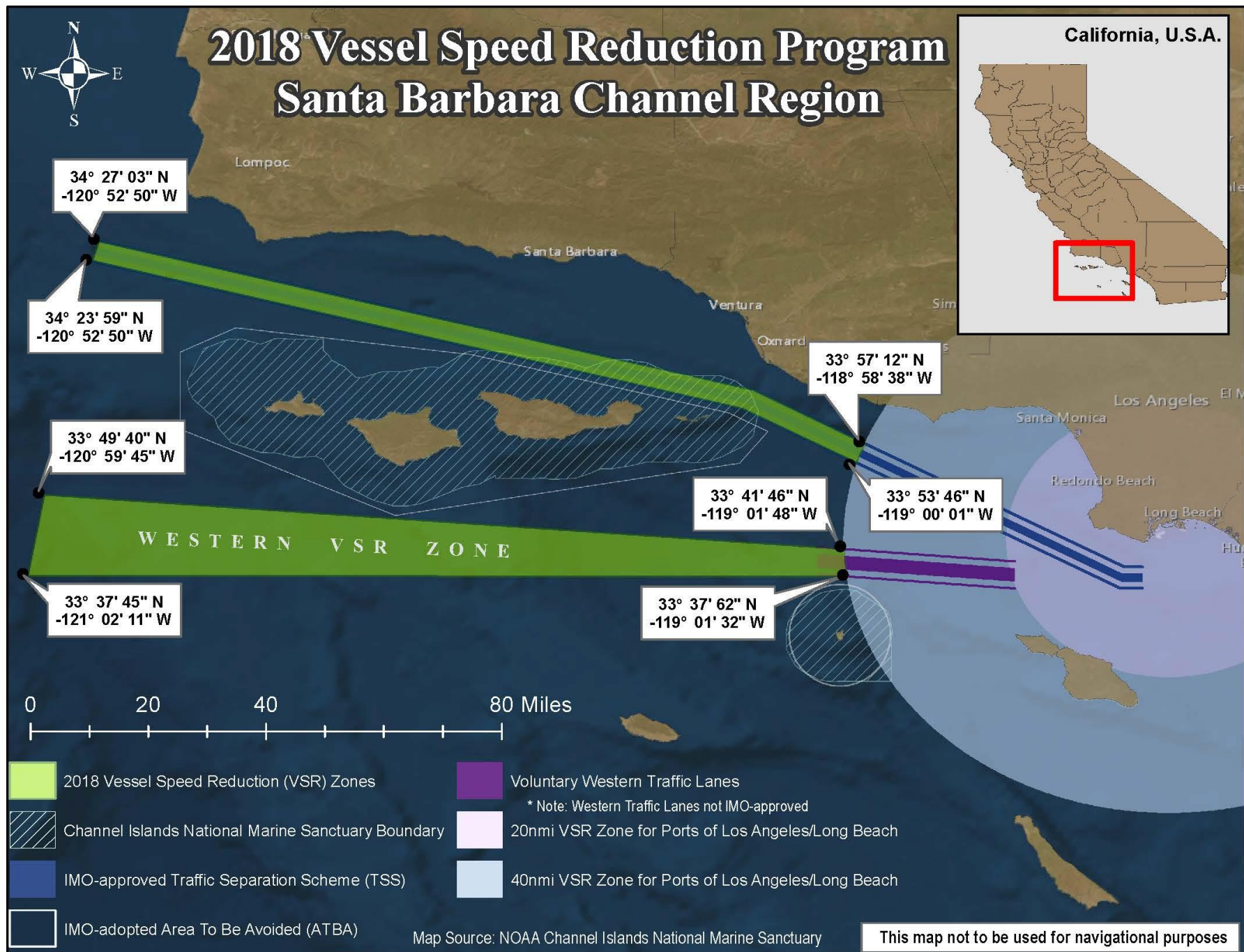
# 2018 VSR Funding

- Incentives, Administrative and Recognition Costs: close to \$300,000
  - District: \$35,000 (approved in FY 17-18 Budget)
  - VCAPCD SEP: \$175,000
  - Bay Area AQMD: \$35,000
  - **New:** Volgenau Foundation \$100,000 to be divided between 2018 and 2019 programs
  - Less of the total funding available for Bay Area incentives
- Technical calculation of emission reductions – cost shared by the air districts



*Photo by Robert V. Schwemmer*







# 2018 Vessel Speed Reduction Program San Francisco Bay Area

NOAA Greater Farallones  
National Marine Sanctuary

NOAA Cordell Bank  
National Marine Sanctuary

Santa Rosa  
Vacaville  
Petaluma  
San Rafael  
Oakland  
San Francisco  
San Leandro  
San Mateo  
Fremont  
Redwood City  
Sunnyvale  
San Jose

California, U.S.A.



0 10 20 40 Miles

2018 Vessel Speed Reduction (VSR) Zones and IMO-approved Traffic Separation Scheme

NOAA National Marine Sanctuary Boundary

Map Source: NOAA Channel Islands National Marine Sanctuary

NOAA Monterey Bay  
National Marine Sanctuary

This map is not to be used for navigational purposes

38° 06' 92" N  
-123° 21' 82" W

38° 10' 14" N  
-123° 20' 29" W

37° 59' 22" N  
-123° 08' 66" W

37° 56' 89" N  
-123° 11' 14" W

37° 49' 29" N  
-122° 46' 79" W

37° 46' 72" N  
-122° 48' 76" W

37° 42' 81" N  
-122° 48' 55" W

37° 34' 37" N  
-123° 04' 49" W

37° 40' 38" N  
-122° 46' 33" W

37° 39' 30" N  
-122° 39' 14" W

37° 31' 87" N  
-123° 02' 40" W

37° 39' 41" N  
-122° 44' 26" W

37° 18' 89" N  
-122° 44' 26" W

37° 18' 36" N  
-122° 39' 14" W

# 2018 VSR – Financial Awards

- **Based on percent of distance traveled in the VSR Zones by all the company's ships at 10 knots or less**
  - Transit must stay within the VSR zones
  - Transit must maintain an average speed of 12 knots or less to qualify
  - Container ships and Ro-Ros
- Large fleet category (30+ transits)
- Small fleet category (5-29 transits)
- Expected incentive range:  
\$2,000 – \$35,000 per company

## Example Ranking Criteria Santa Barbara Channel Region

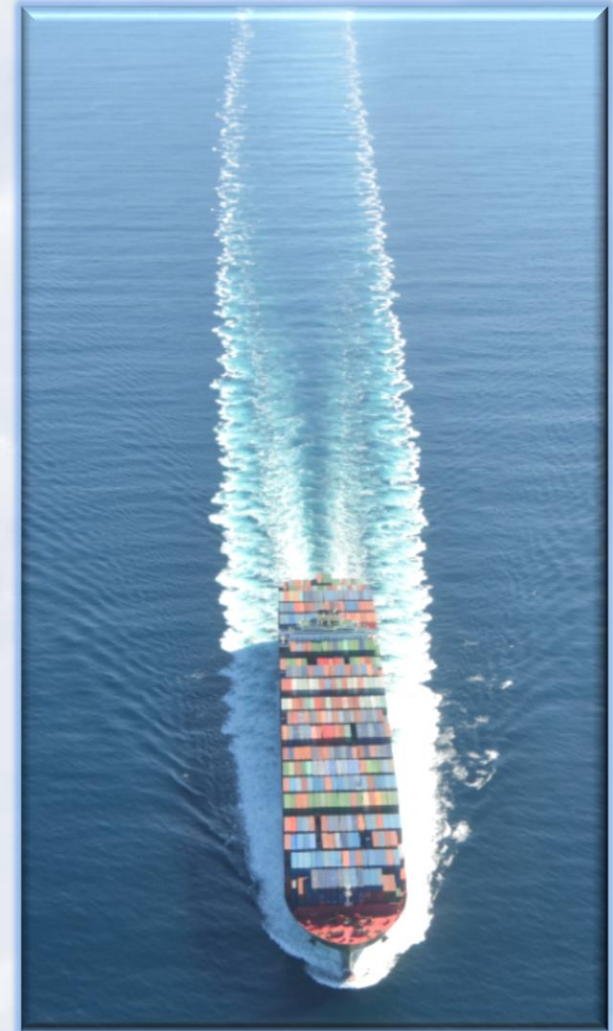
<u>Rank Title</u>	<u>Fleet Success Rate</u>
<b>Sapphire</b>	<b>75%+</b>
<b>Gold</b>	<b>50%+</b>
<b>Silver</b>	<b>25%+</b>
<b>Bronze</b>	<b>10%+</b>



# Examples of Possible Awards – Larger Fleets

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- **Evergreen**
  - 60 transits at 10 knots
  - 40 transits at 15 knots
  - Fleet success rate would be = 60% → Gold
- **Mediterranean Shipping Company (MSC)**
  - 90 transits at 10 knots
  - 10 transits at 13 knots
  - Fleet success rate would be = 90% → Sapphire





# Future

- Continuing to expand the recognition
- Fleet approach
- Harmonizing with Whale Advisory Zones



# Board Action

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## Recommendation

Authorize the Chair to execute a Memorandum of Agreement (MOA) with the California Marine Sanctuary Foundation for the District to contribute \$35,000 to the 2018 Vessel Speed Reduction (VSR) Incentive Program planned for July 1 - November 15, 2018.





# Questions? Contact Information

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*Photo by John Calambokidis, Cascadia Research*

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