

SAVE Spectacular

Celebrating 50 Years of National Marine Sanctuaries

Marine Mammal Commission

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April 2022

Monterey Bay National Marine Sanctuary



Office of National Marine Sanctuaries
National Oceanic and Atmospheric Administration



Cordell Bank National Marine Sanctuary

Protects a diverse community of inverts, fishes and marine mammals on a rocky bank



CORDELL BANK NATIONAL MARINE SANCTUARY



Designated: 1989
Size: 1286 sq. miles in 2015/
529 sq miles previously

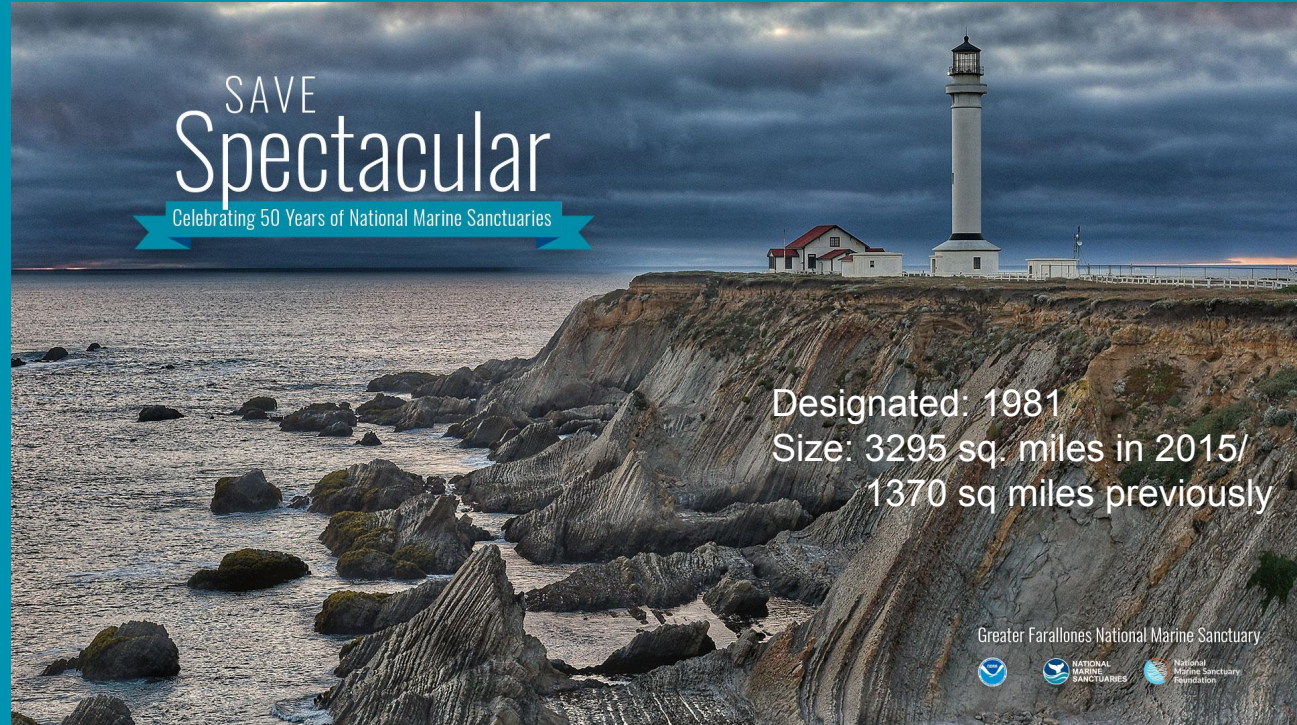


Greater Farallones National Marine Sanctuary

Protects important feeding grounds of seabirds, marine mammals and white sharks



GREATER FARALLONES NATIONAL MARINE SANCTUARY



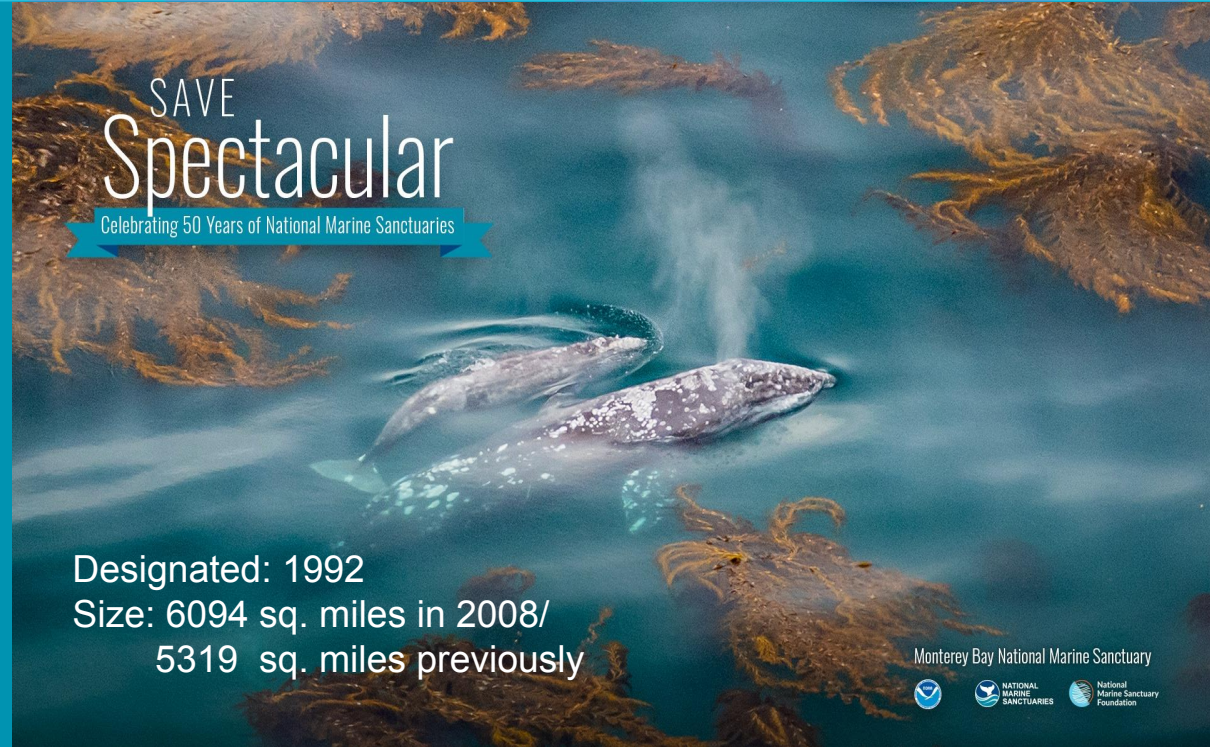
Designated: 1981
Size: 3295 sq. miles in 2015/
1370 sq miles previously

Greater Farallones National Marine Sanctuary



Monterey Bay National Marine Sanctuary

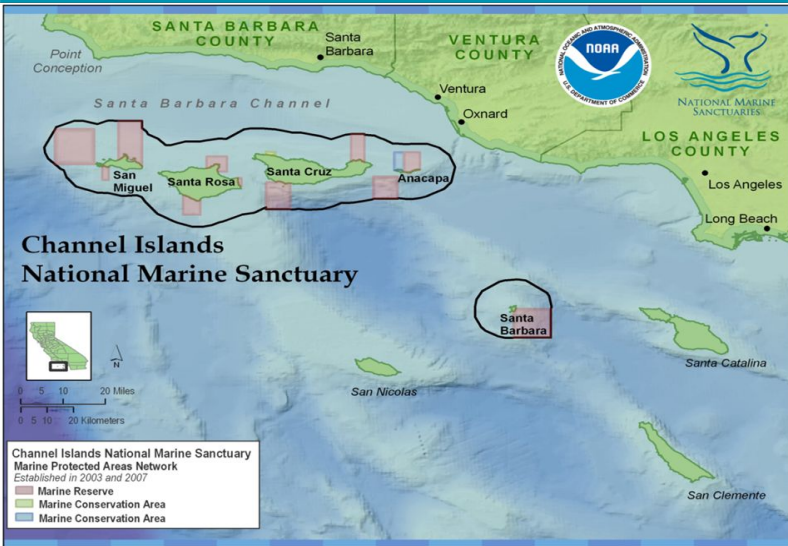
Second largest and deepest; protects an offshore seamount and a diversity of habitats, fishes, invertebrates, sea turtles, birds and marine mammals



Celebrating 30th Anniversary 1992-2022

Channel Islands National Marine Sanctuary

Manages first network of marine reserves on the west coast; protecting biodiversity and endangered species



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Designated: 1980
Size: 1470 sq. miles

Channel Islands National Marine Sanctuary



Coordination among the California national marine sanctuaries



THREATS TO WHALES

Ship strikes

- Vessel speed reduction (VSR)
 - reducing ocean noise
 - reducing air pollution
- Shifting shipping lanes - USCG as partners

Entanglements

- advising fishermen working group
- testing novel gear
- disentanglement assist

Tracking whales

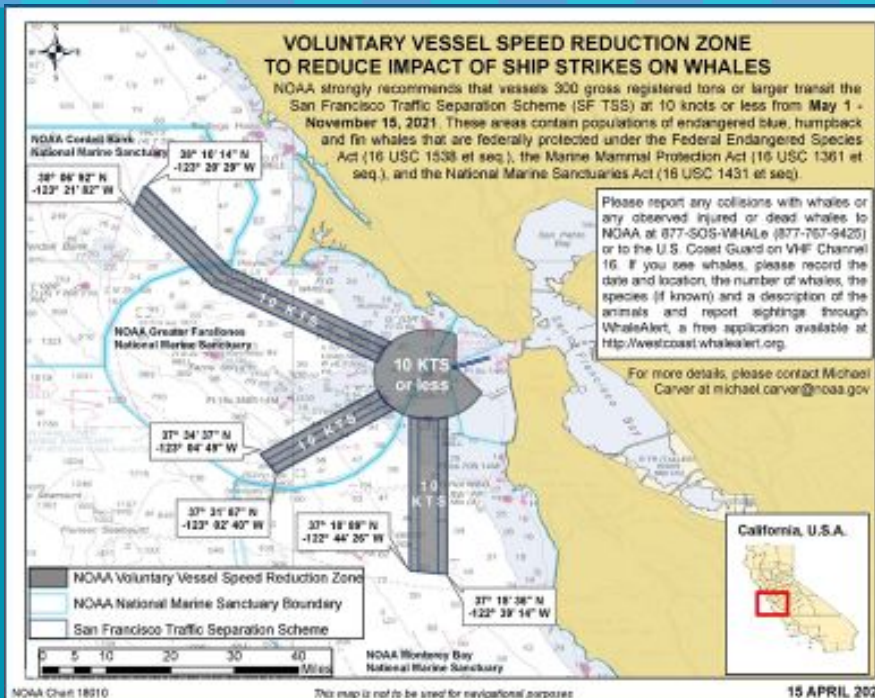
- ACCESS cruises
- Mobile applications - OceanAlert

Partnerships: e.g. Benioff's Ocean Initiative

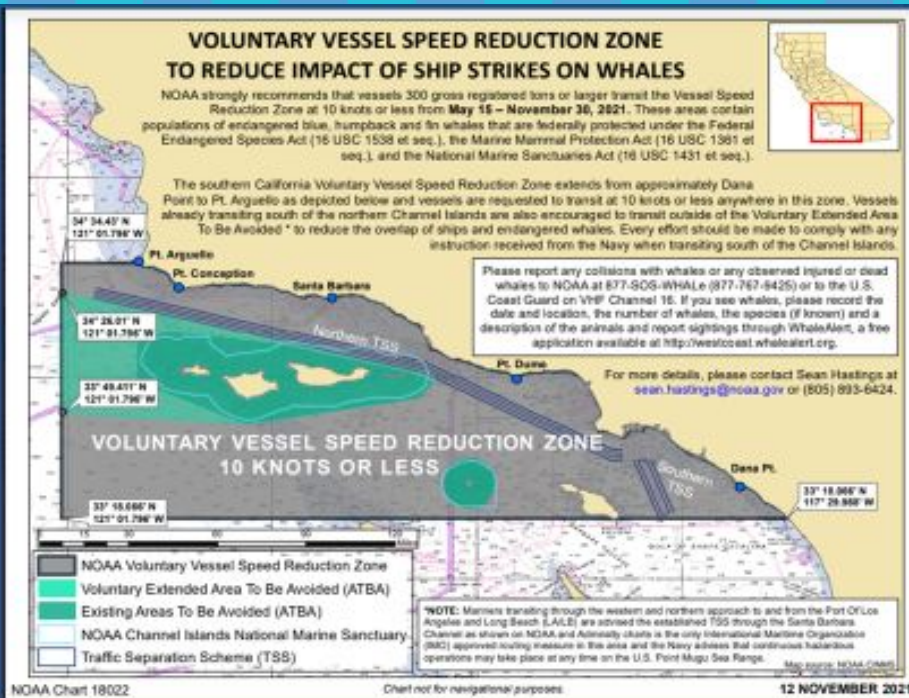
Voluntary Vessel Speed Reduction (VSR) in California national marine sanctuaries



NOAA and USCG request to all vessels 300 gross tons or larger



2021 SF Bay Region
May 1 – November 15, 2021



2021 Southern California
May 15 – November 30, 2021*

VSR results 2017 - 2021



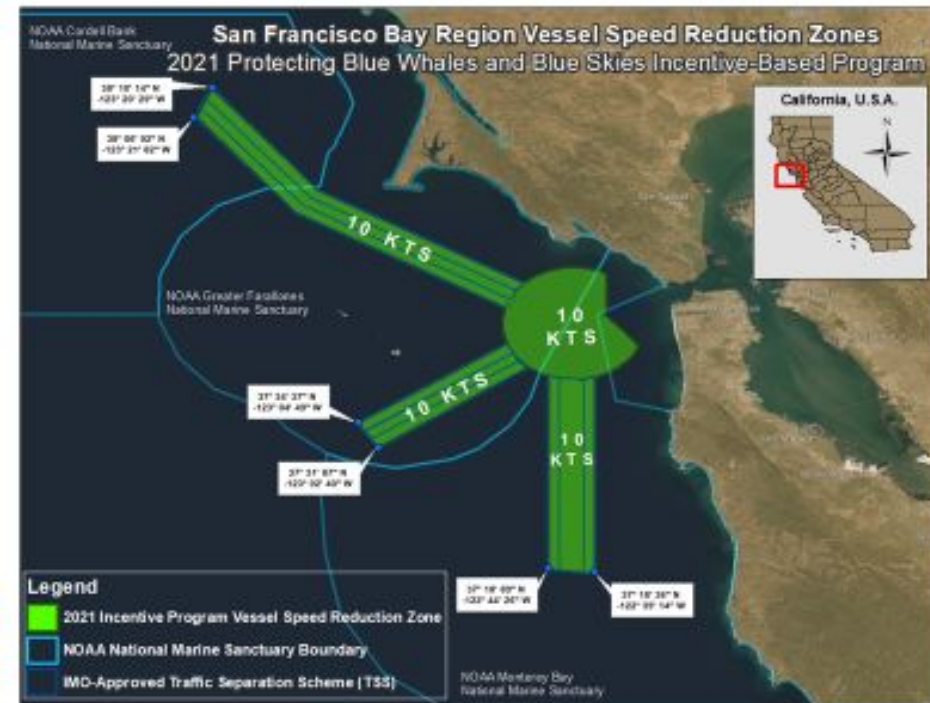
Percentage cooperation from all vessels 300 GRT or more, by year

| Region | 2017 | 2018 | 2019 | 2020 | 2021 |
|--|------|------|------|------|------------|
| San Francisco Bay Region NOAA Voluntary Slow Speed Request | 45% | 45% | 58% | 64% | 63% |
| Southern California Region NOAA Voluntary Slow Speed Request | 18% | 23% | 50% | 54% | 59% |



Incentive-based VSR

Protecting Blue Whales and Blue Skies



Map Source: NOAA Channel Islands National Marine Sanctuary

This map is not to be used for navigational purposes.

06 APRIL 2021



Map Source: NOAA Channel Islands National Marine Sanctuary

This map is not to be used for navigational purposes.

06 APRIL 2021

2021 SF Bay Region
May 15 – November 15, 2021

2021 Southern California
May 15 – November 15, 2021

Results of the Incentive-based VSR Protecting Blue Whales and Blue Skies



| YEAR | 2014 | 2016 | 2017 | 2018 | 2019 | 2020 |
|--|-----------------------|------------------------------|---|--------|--|-------------------------------|
| Area | Santa Barbara Channel | Santa Barbara Channel Region | Santa Barbara Channel Region & San Francisco Bay Area | | | SoCal Region and SF Bay Area |
| # Companies | 7 | 10 | 11 | 12 | 15 | 16 |
| # Vessels | 14 | 25 | 44 | 280 | 349 | 495 |
| Slow-speed Distance (nautical miles) | 2,700 | 5,000 | 12,630 | 46,026 | 99,019 | 181,306 |
| NOx Reductions (tons) | 12.4 | 25.6 | 84 | 266 | 536 | 748 |
| Regional GHG Reductions (metric tons) | 535 | 1,005 | 2,630 | 8,668 | 17,026 | 24,258 |
| Ocean Noise Reduction (Decibels [dB]/transit) | - | - | - | - | SoCal: 6 (Gold and Sapphire award tiers only) | SoCal: 4 (All award tiers) |
| Ship Strike Risk Reduction | - | - | - | - | - | 35%* |

* Note: This represents the proportional decrease in risk from participating vessels and not absolute estimates of mortality avoided. Slower participating transits in the San Francisco VSR zone presented 61% lower mortality risk to whales than if they did not decrease speed, while mortality risk was lowered 30% in the Southern California zone.

Incentive VSR Partners and Carrier Companies



Protecting Blue Whales and Blue Skies is run by a unique partnership of federal and local government agencies, foundations, and environmental nonprofits.



We work closely with researchers and consultants to independently verify the benefits of the program.



Sapphire Award (85 - 100%)



MEDITERRANEAN SHIPPING COMPANY



SWIRE SHIPPING

Gold Award (60 - 84%)



MAERSK LINE



MOLACE
Auto Carrier Express



YANG MING



Hapag-Lloyd



OCEAN NETWORK EXPRESS



NYK LINE
NIPPON YUSEN KAISHA



Wallenius
Wilhelmsen



Blue Sky Award (35 - 59%)



EVERGREEN

HYUNDAI
GLOVIS



K LINE
KAWASAKI KISEN KAISHA, LTD.



WAN HAI LINES LTD.

WE CARRY, WE CARE.

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ON THE HORIZON

- Brand Ambassador Initiative
- Whale Safe Certification Program
- Expanding Areas to Be Avoided
- Extending and eliminating shipping lanes

Monterey Bay National Marine Sanctuary

