

Protecting Blue Whales and Blue Skies in California's National Marine Sanctuaries



John Calambokidis – Cascadia Research

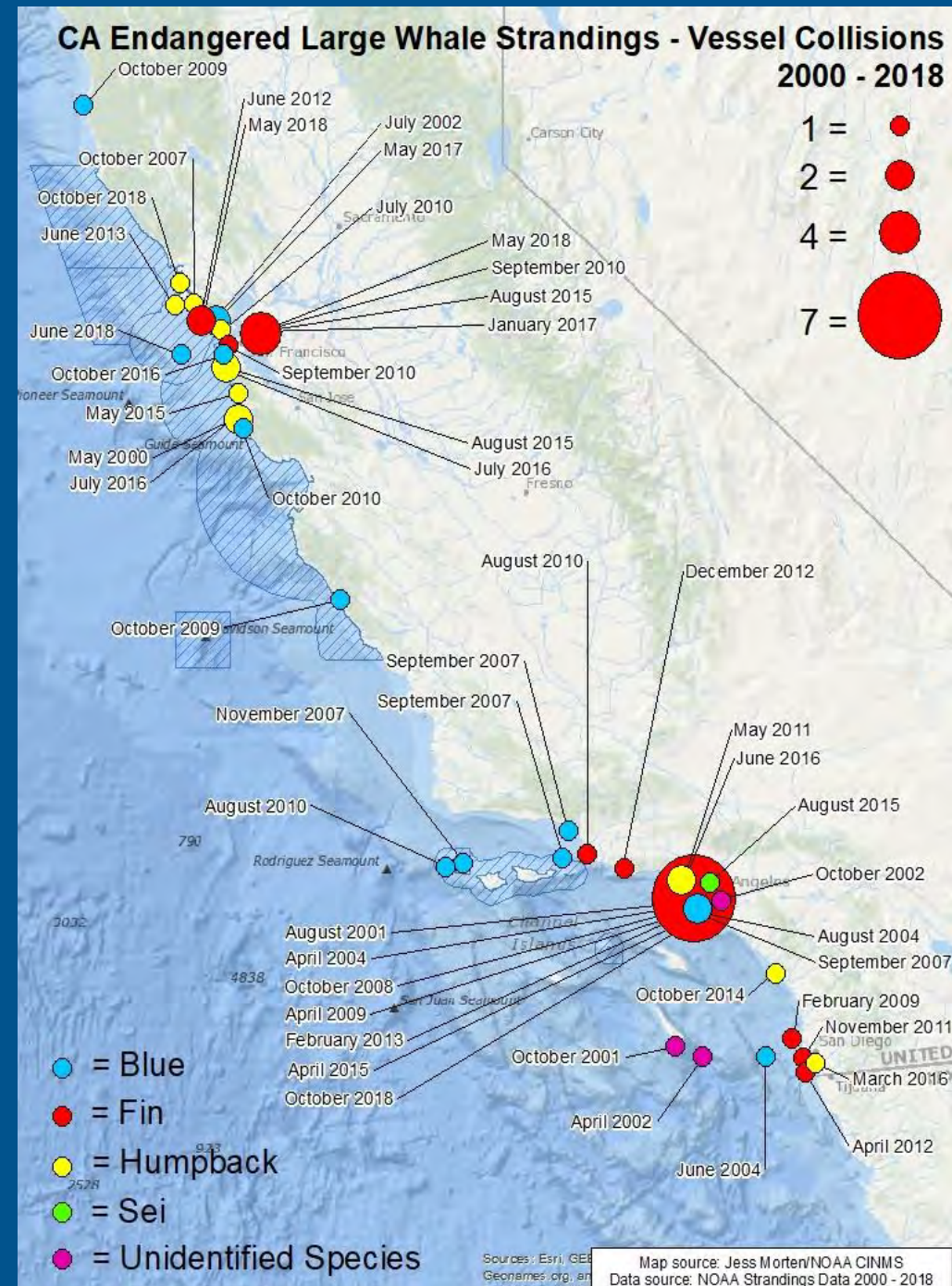
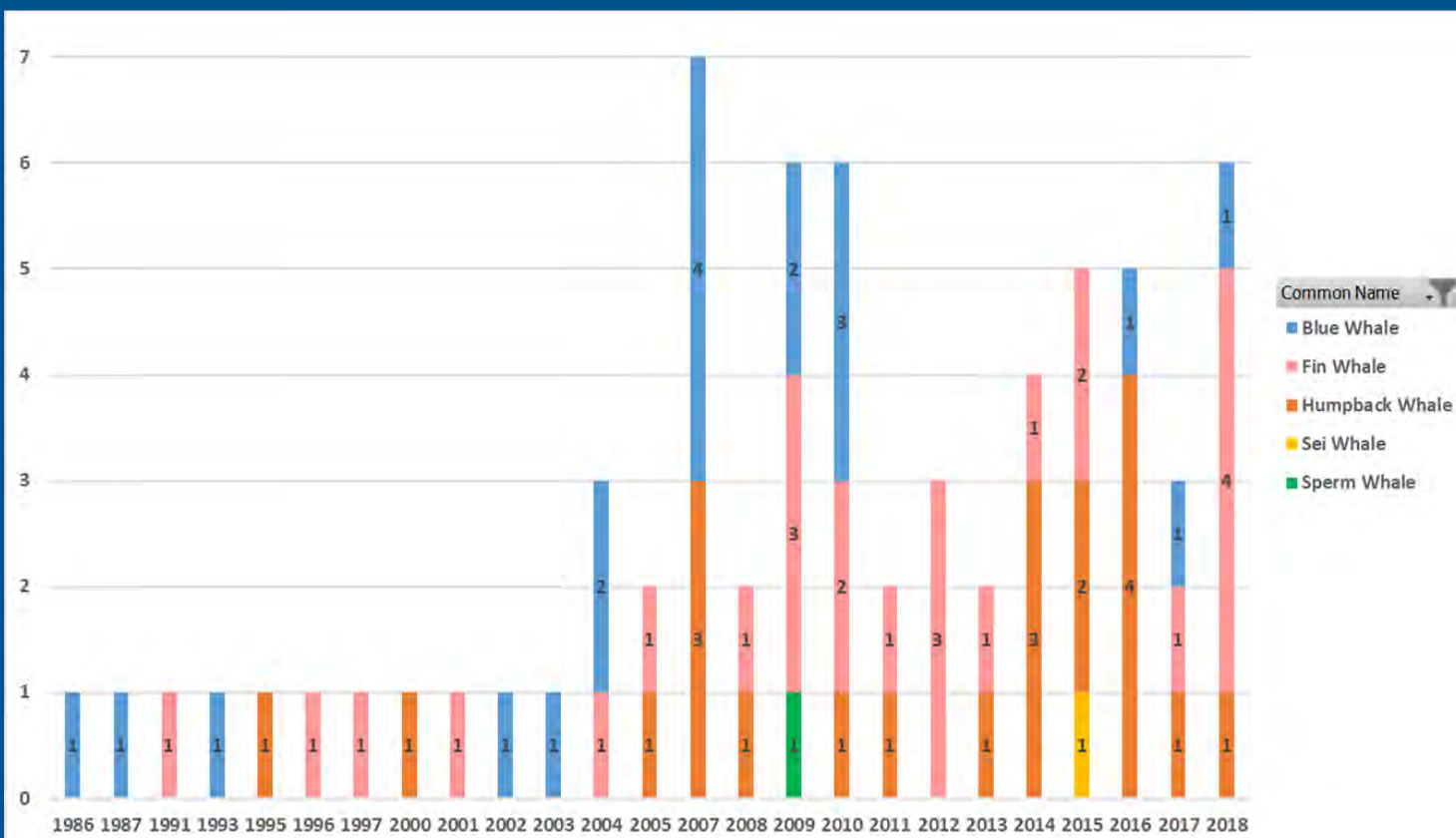
Jessica Morten, Resource Protection Specialist contractor
with NOAA's Channel Islands and Cordell Bank National Marine Sanctuaries







Ship Strikes in California

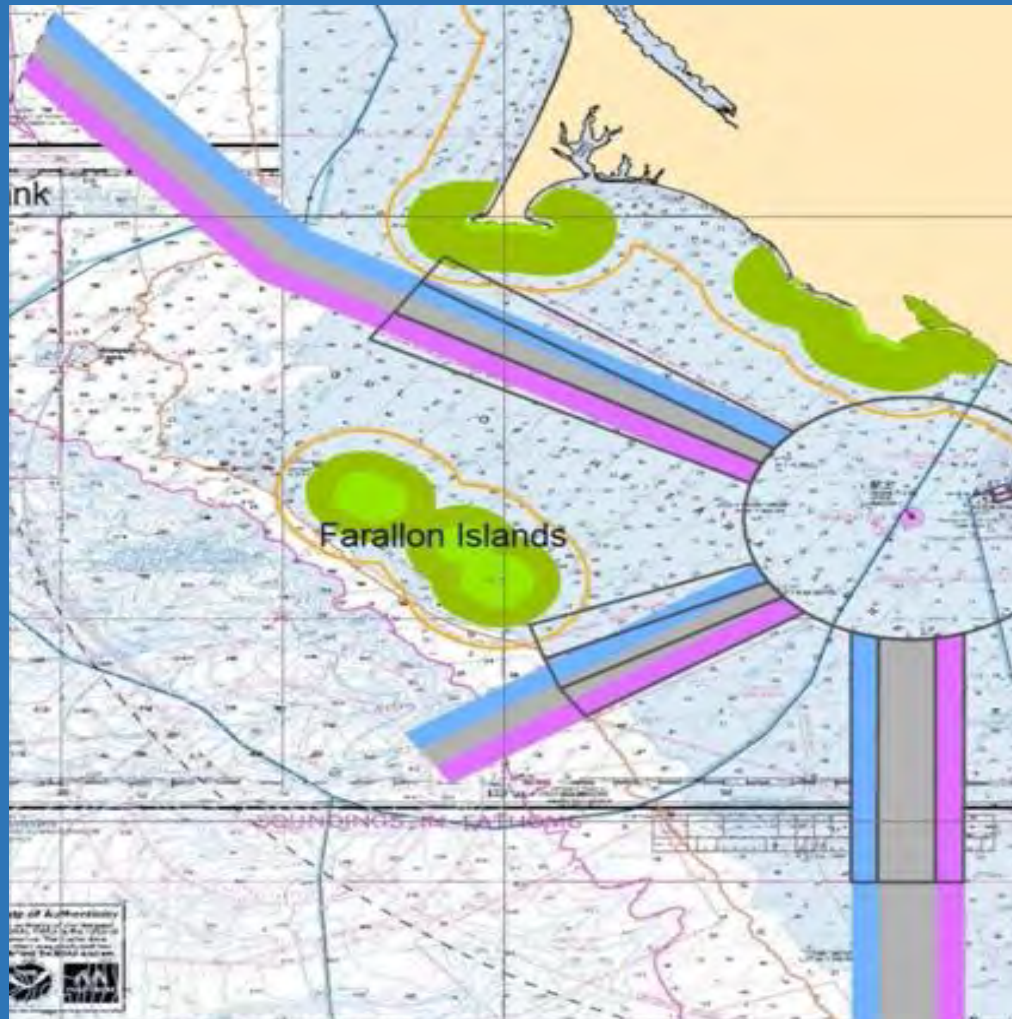


Addressing / Reducing Ship Strike Risk

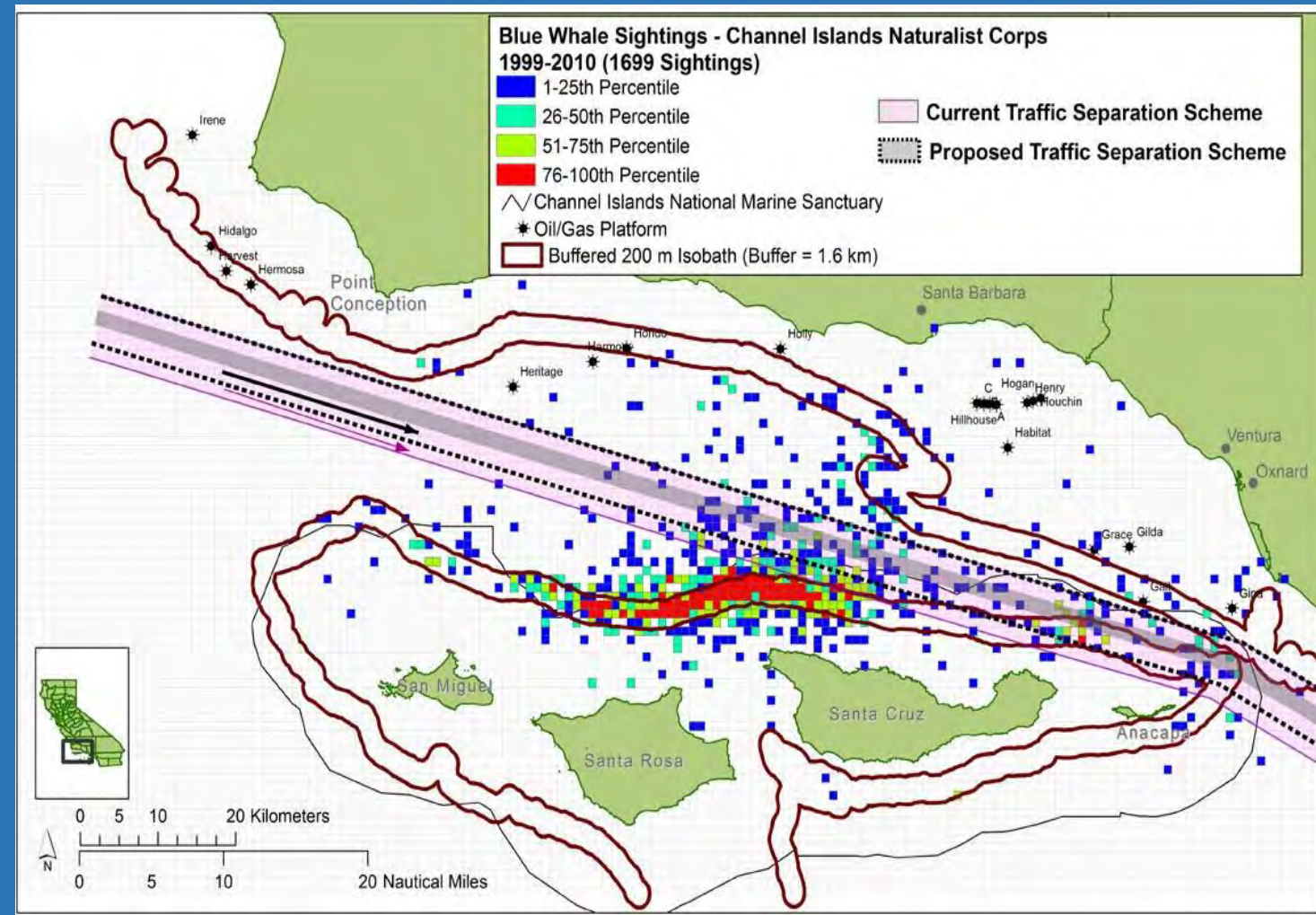


1. Reducing co-occurrence of whales and ships by adjusting Traffic Separation Schemes
2. Establishing seasonal voluntary Whale Advisory and Speed Reduction Zones
3. Establishing an incentive-based Vessel Speed Reduction program
4. Supporting ongoing related research
5. Engaging and working with industry/stakeholders

1. Reduce Co-occurrence

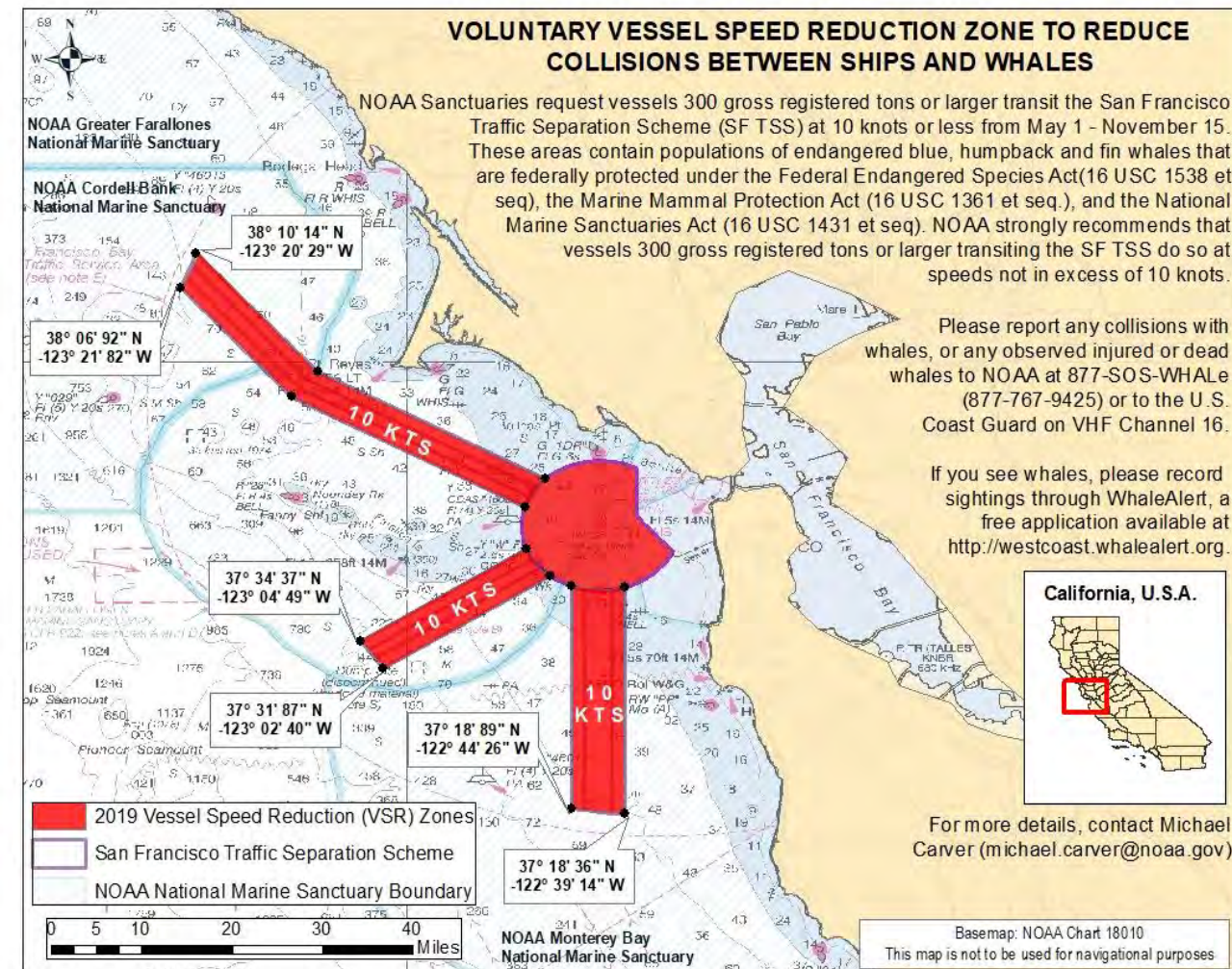


Amendments to the San Francisco Bay
Traffic Separation Scheme

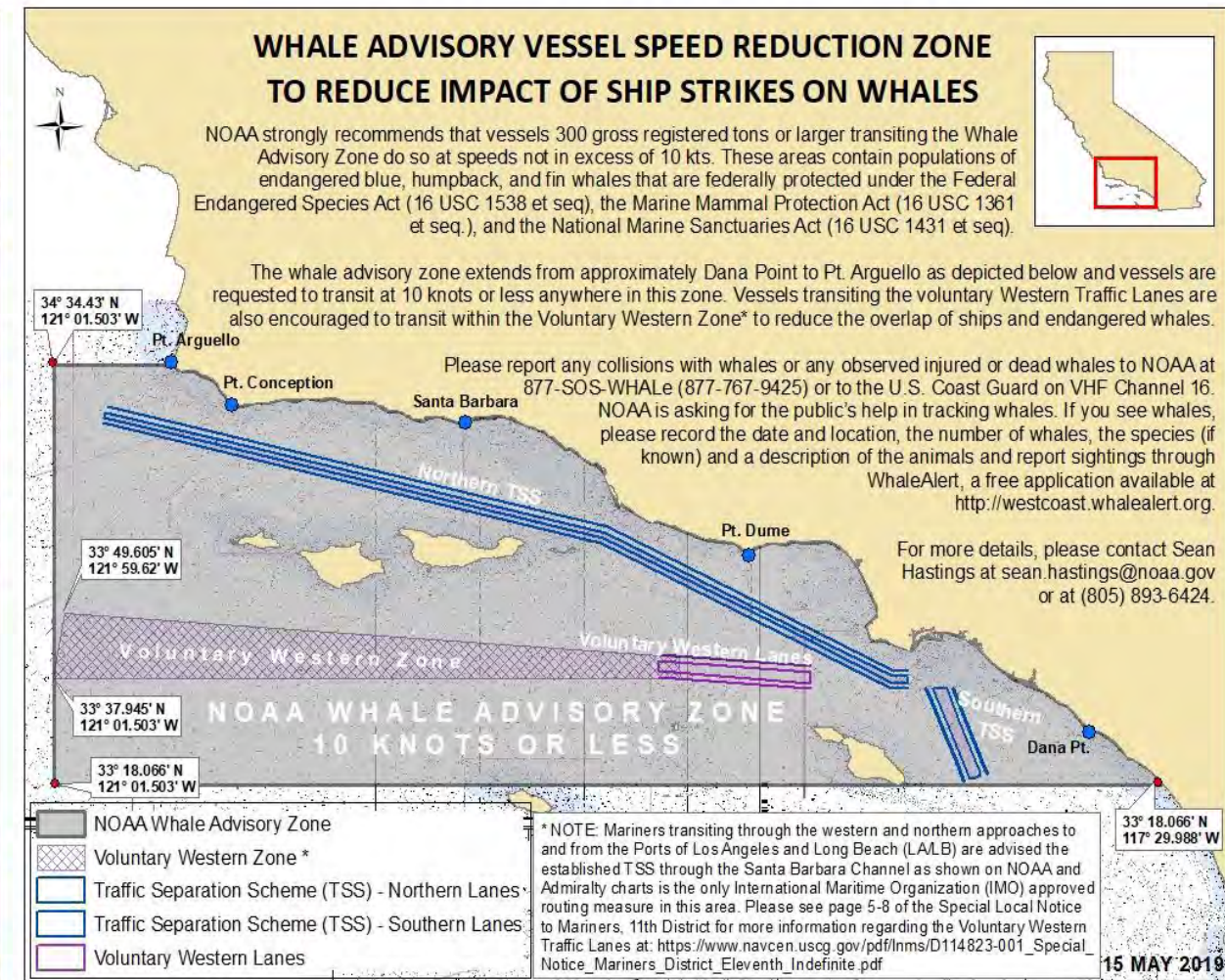


Amendments to the Santa Barbara Channel
Traffic Separation Scheme

2. Voluntary Slow Speed Zones



2019 SF Bay Region
NOAA Voluntary Vessel Speed Reduction Request

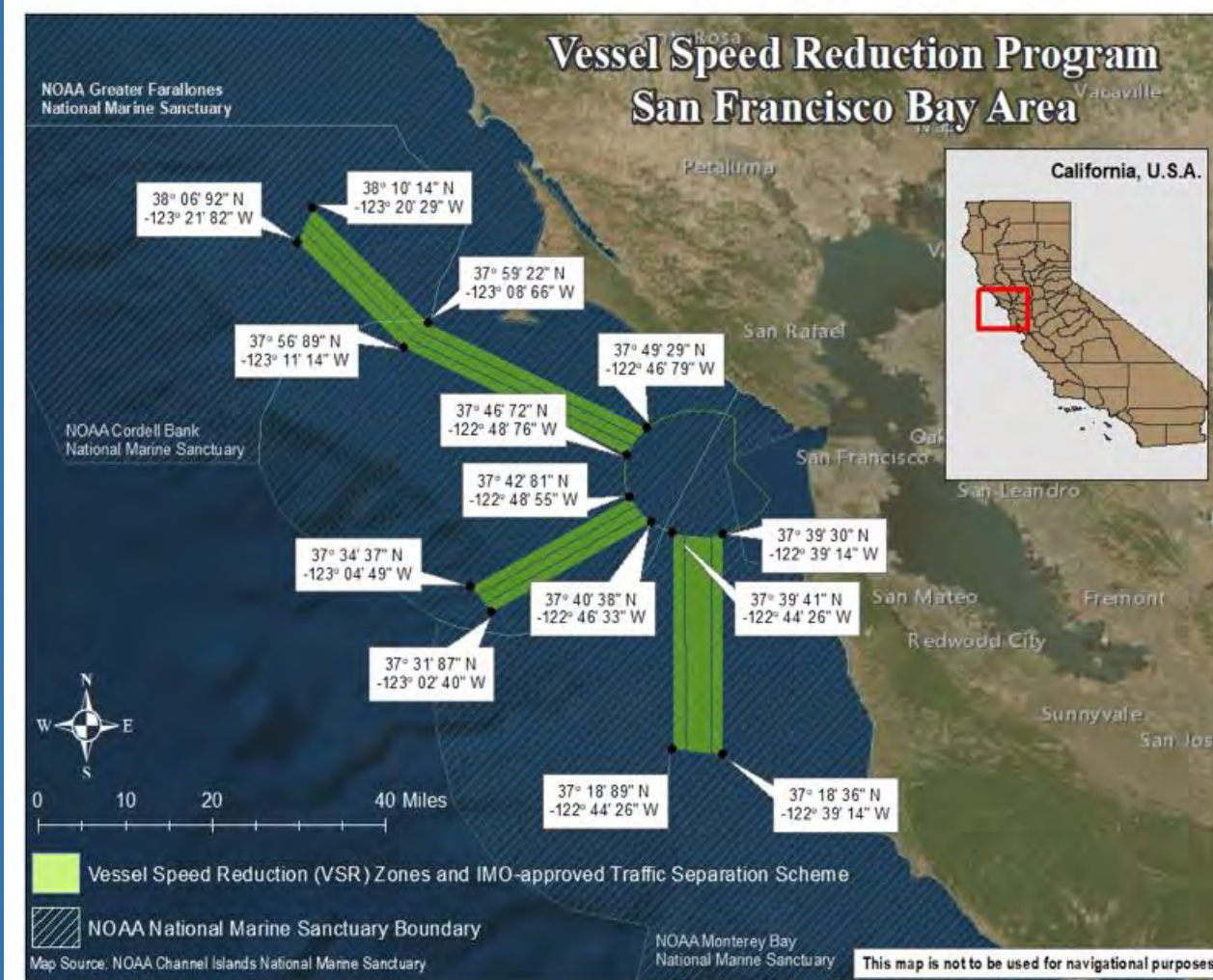


IOAA Charts 18720 and 18740

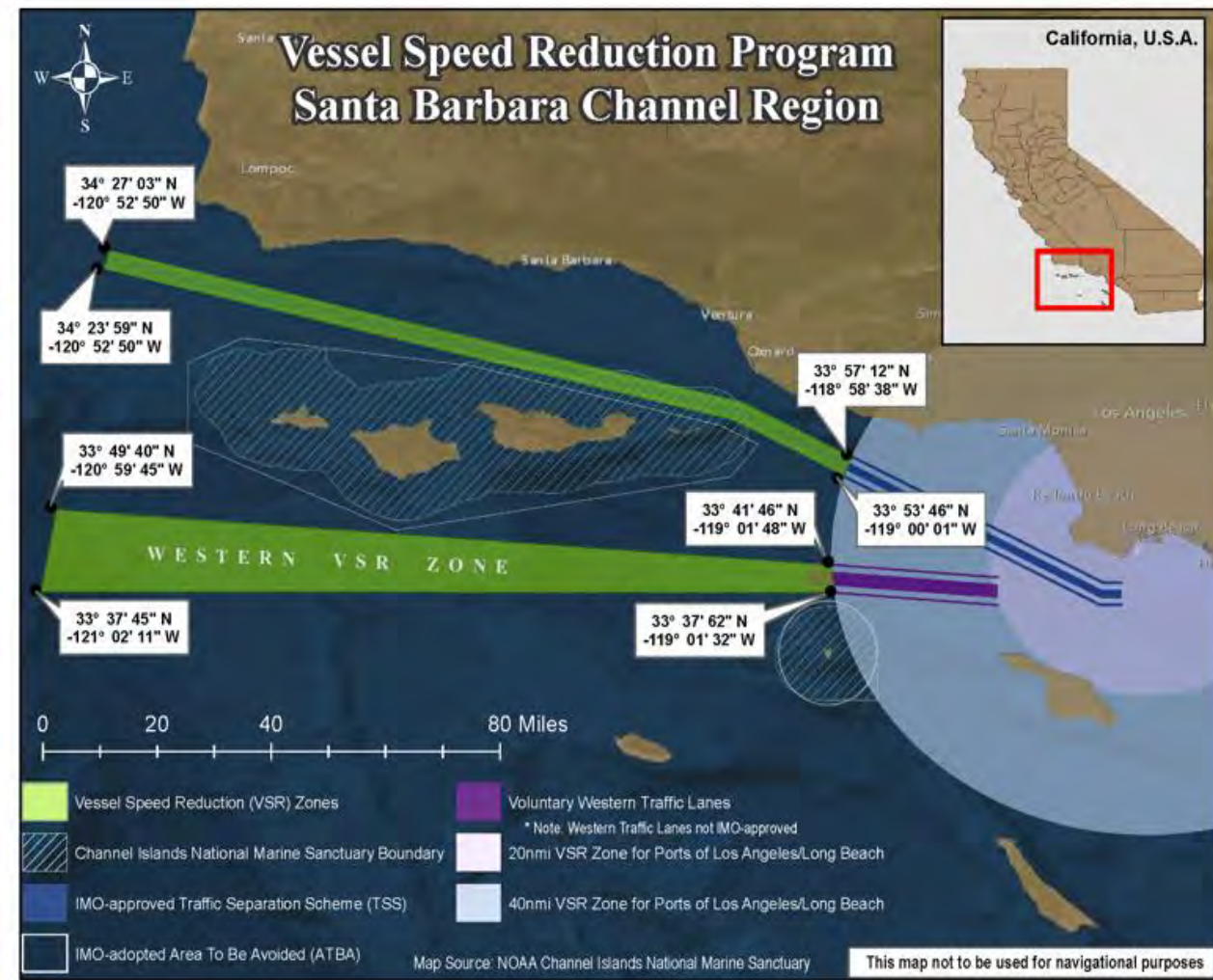
Chart not for navigational purposes.

2019 Southern California
NOAA Voluntary Vessel Speed Reduction Request

3. Incentive-Based Program



2019 SF Bay Region
Incentive Program VSR Zones

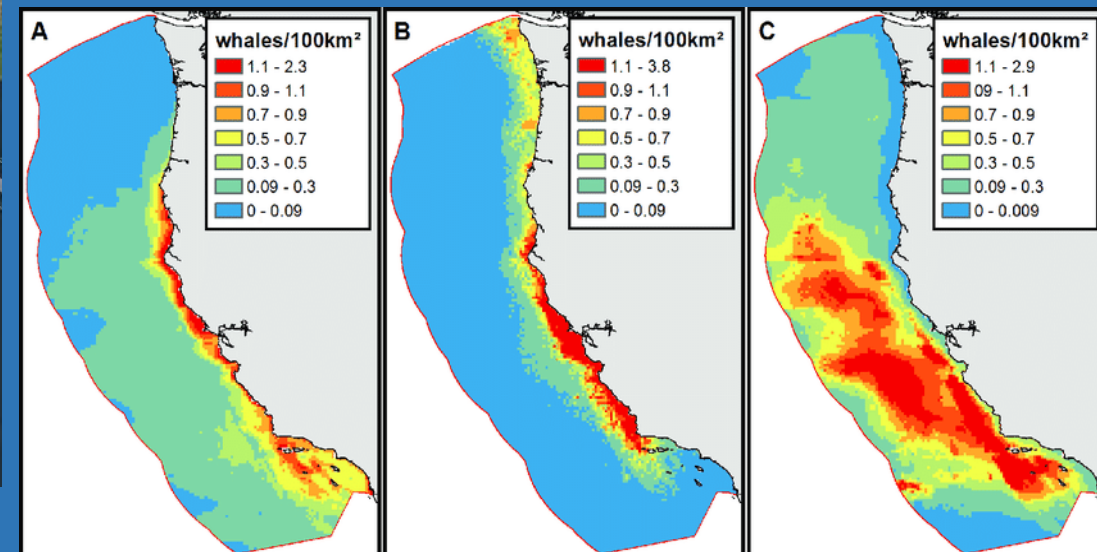
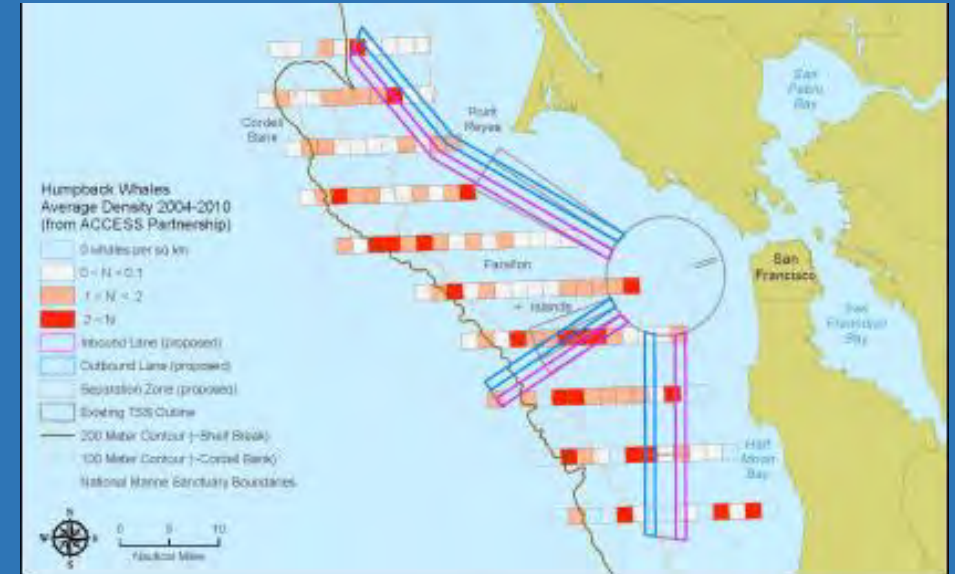
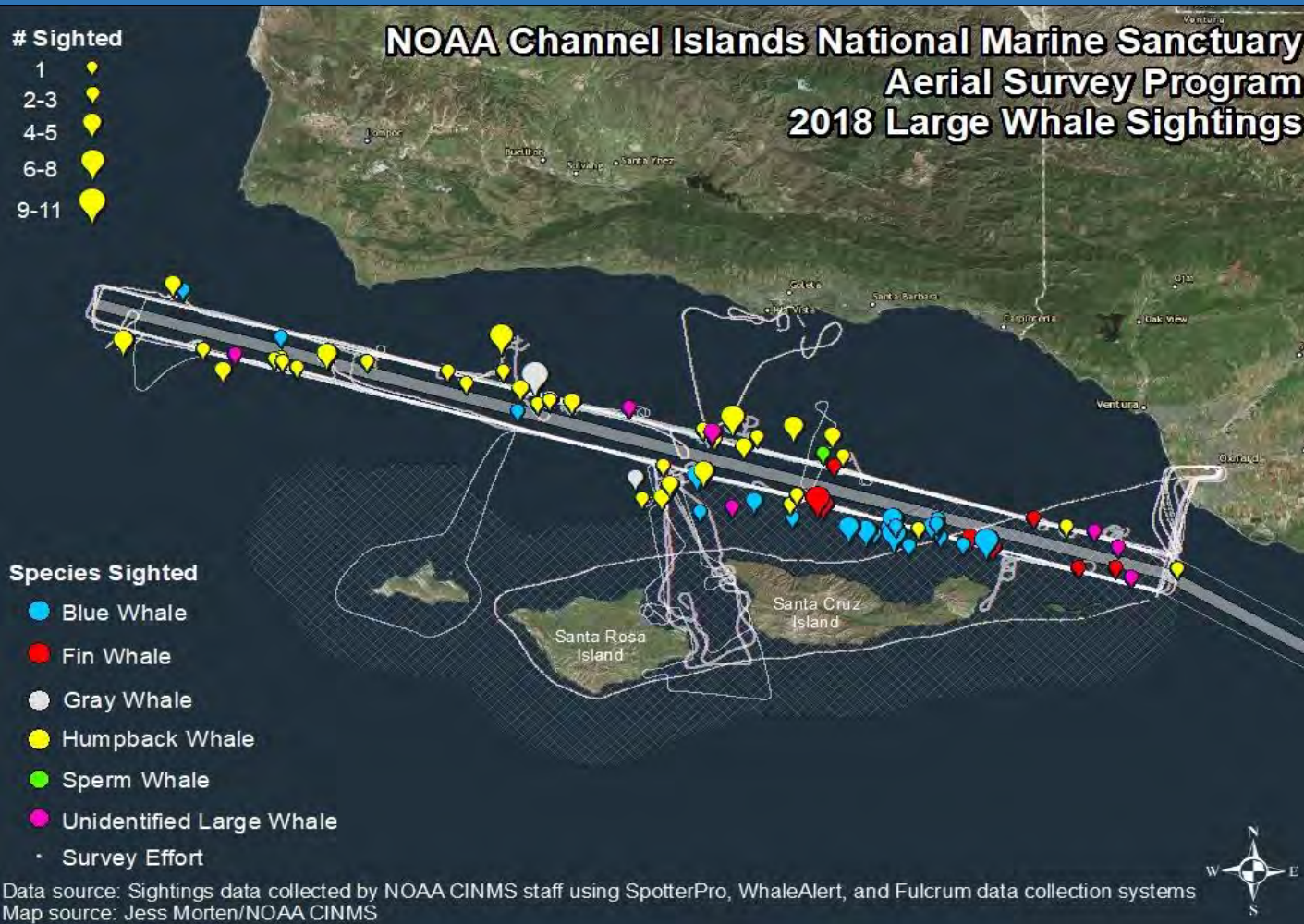


2019 Southern California
Incentive Program VSR Zones

Incentive Program Year	2014	2016	2017	2018	2019
# Participating Companies	7	10	11	12	15
# Participating Vessels	14	31	59	280	TBD
Nautical Miles Traveled	2,700 nm	5,000 nm	12,630 nm	46,026 nm	TBD



4. Ongoing Research



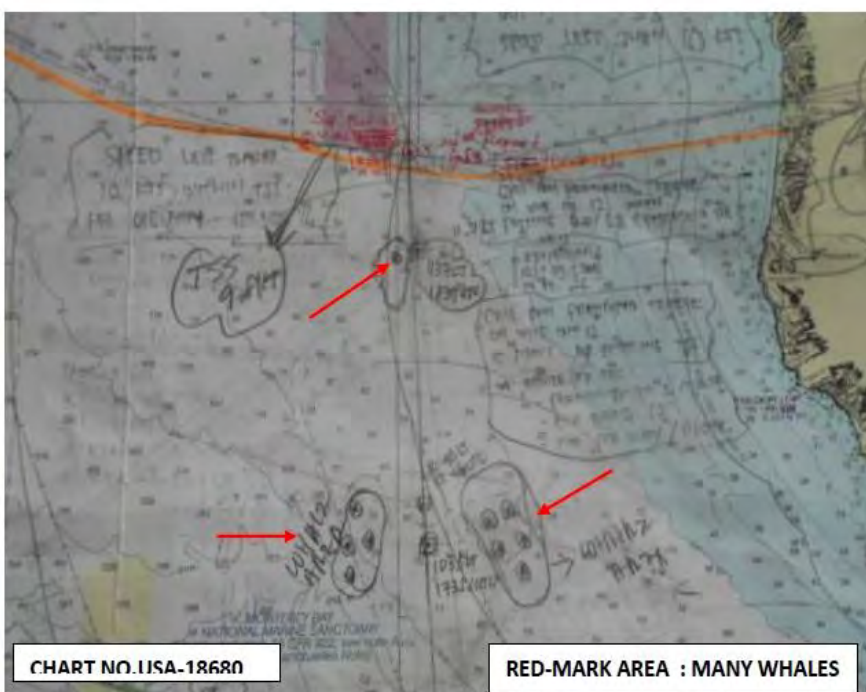
5. Industry Outreach/ Stakeholder Engagement



Incentive Program Awards Ceremony
Port of LA - March 6, 2019



NOAA Voluntary VSR Awards Ceremony
San Francisco - May 16, 2019



PLS NOTE THAT WE HV SEE MANY WHALES AT ABOVE AREA



Next Steps for West Coast Ship Strike Work



- ❖ Better understand the frequency of the issue
- ❖ Increase awareness
- ❖ Expand Areas To Be Avoided (ATBAs) and explore additional TSS adjustments
- ❖ Continue to explore options for VSR policy

