

DOCKETED

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California Offshore Renewable Energy (CORE)

Offshore Wind Webinar

March 12, 2018



California Offshore Wind Energy Gateway

In support of the Intergovernmental Renewable Energy Task Force

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What is the California Offshore Wind Energy Gateway?

What can I do?

How do I start exploring?

The Offshore Renewable Wind Energy Gateway assembles geospatial information on ocean wind resources, ecological and natural resources, ocean commercial and recreational uses and community values. This information will help identify areas off of California that are potentially suitable for wind energy generation.

[read more](#)



California Marine & Coastal Energy

California Marine & Coastal Management

California Marine & Coastal Ecology and Natural Resources

California Marine Fishing and Traditional Uses

Featured Items



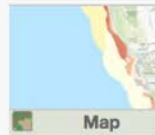
Map

California Commercial Fishing Recent History



Map

West Coast USA Federal and State Marine Protected Areas



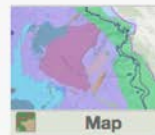
Map

California Offshore Wind Resources



Map

Central California Offshore Use Zones



Map

Central California Offshore Geology and Wind Technology Depth Zones



Map

Central California Offshore Biological Resources

California Off-Shore Wind Resources



This map is comprised of spatial datasets provided by BOEM to highlight wind resources along the coast of California along with some other designations.

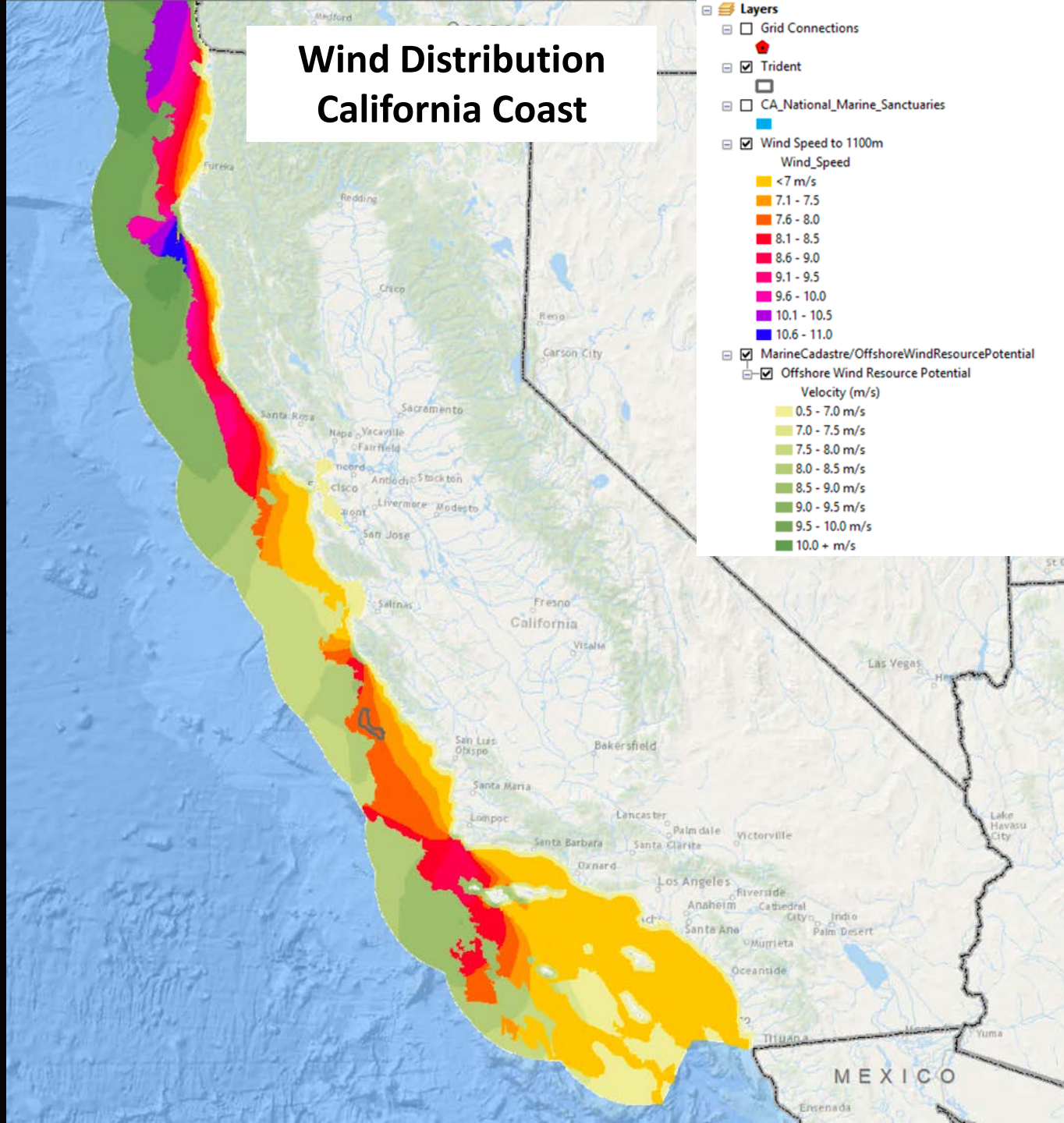
Download the Fact Sheet & Get Involved



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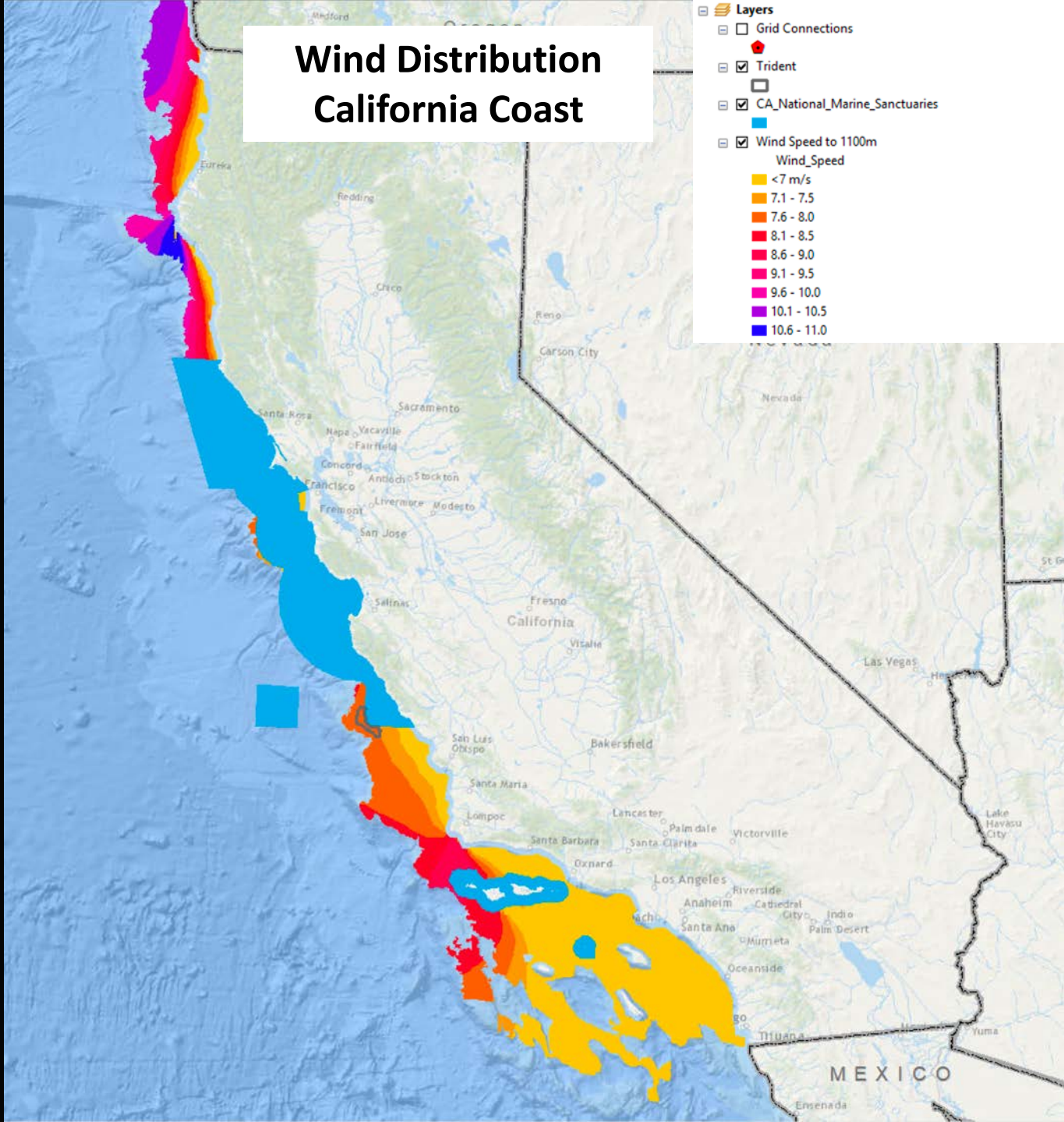


Wind Distribution California Coast



Wind Distribution California Coast

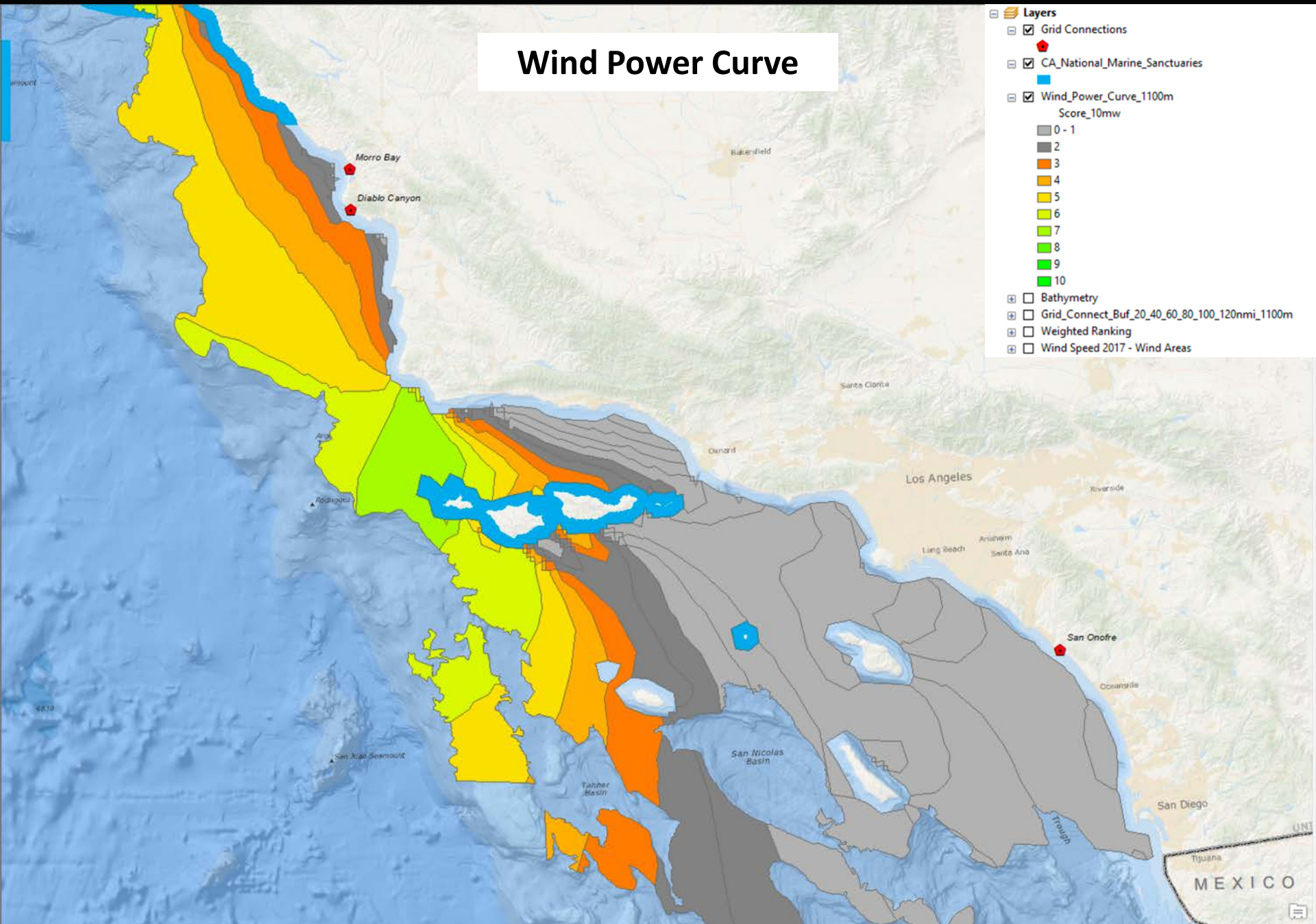
- Grid Connections
 - Trident
 - CA_National_Marine_Sanctuaries
 - Wind Speed to 1100m
- Wind_Speed
- <7 m/s
 - 7.1 - 7.5
 - 7.6 - 8.0
 - 8.1 - 8.5
 - 8.6 - 9.0
 - 9.1 - 9.5
 - 9.6 - 10.0
 - 10.1 - 10.5
 - 10.6 - 11.0



Wind Power Curve

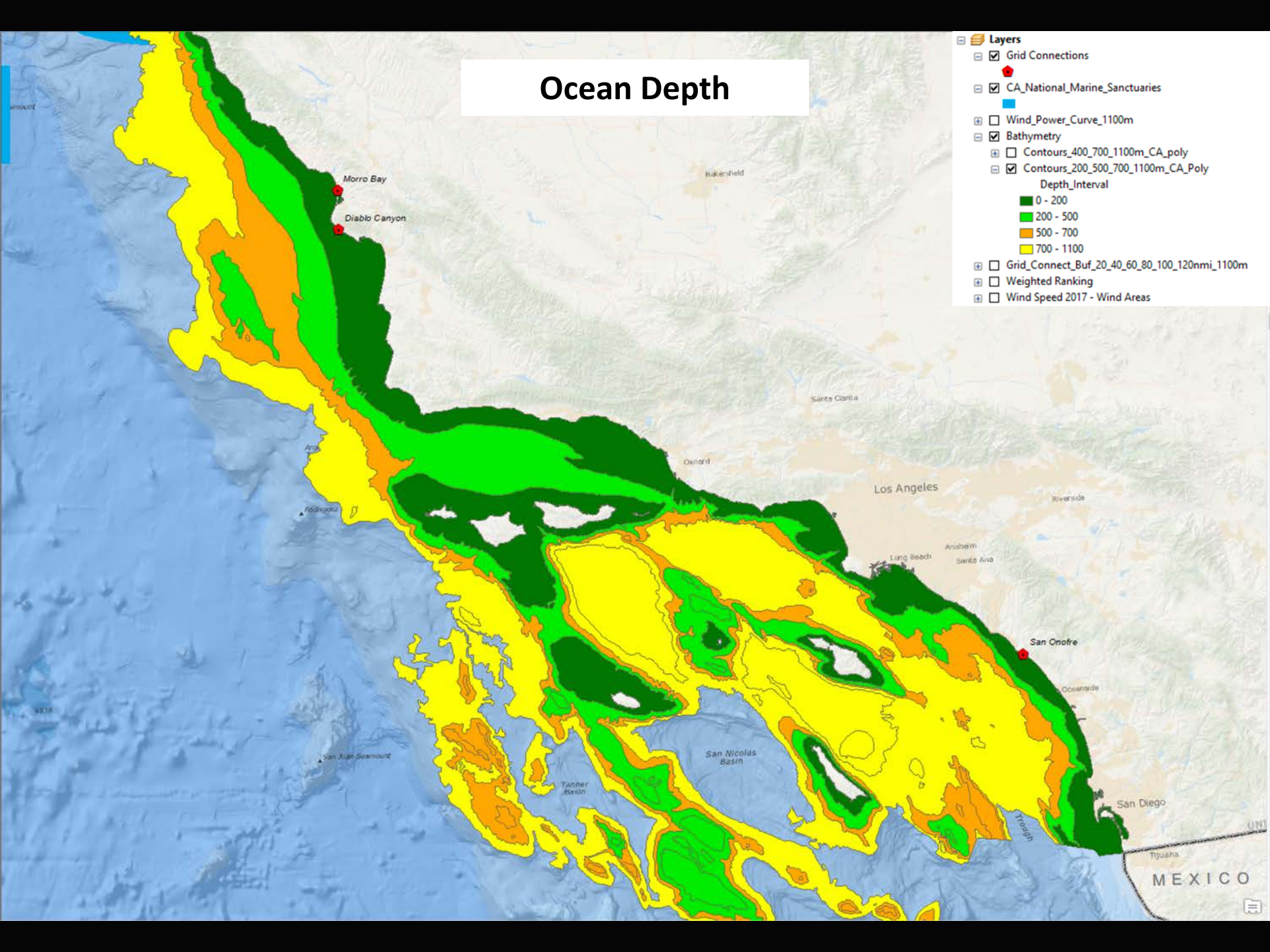
Layers

- Grid Connections
- CA_National_Marine_Sanctuaries
- Wind_Power_Curve_1100m
 - Score_10mw
 - 0 - 1
 - 2
 - 3
 - 4
 - 5
 - 6
 - 7
 - 8
 - 9
 - 10
- Bathymetry
- Grid_Connect_Buf_20_40_60_80_100_120nmi_1100m
- Weighted Ranking
- Wind Speed 2017 - Wind Areas



Ocean Depth

- Layers
- Grid Connections
- CA_National_Marine_Sanctuaries
- Wind_Power_Curve_1100m
- Bathymetry
 - Contours_400_700_1100m_CA_poly
 - Contours_200_500_700_1100m_CA_Poly
- Depth Interval
 - 0 - 200
 - 200 - 500
 - 500 - 700
 - 700 - 1100
- Grid_Connect_Buf_20_40_60_80_100_120mi_1100m
- Weighted Ranking
- Wind Speed 2017 - Wind Areas



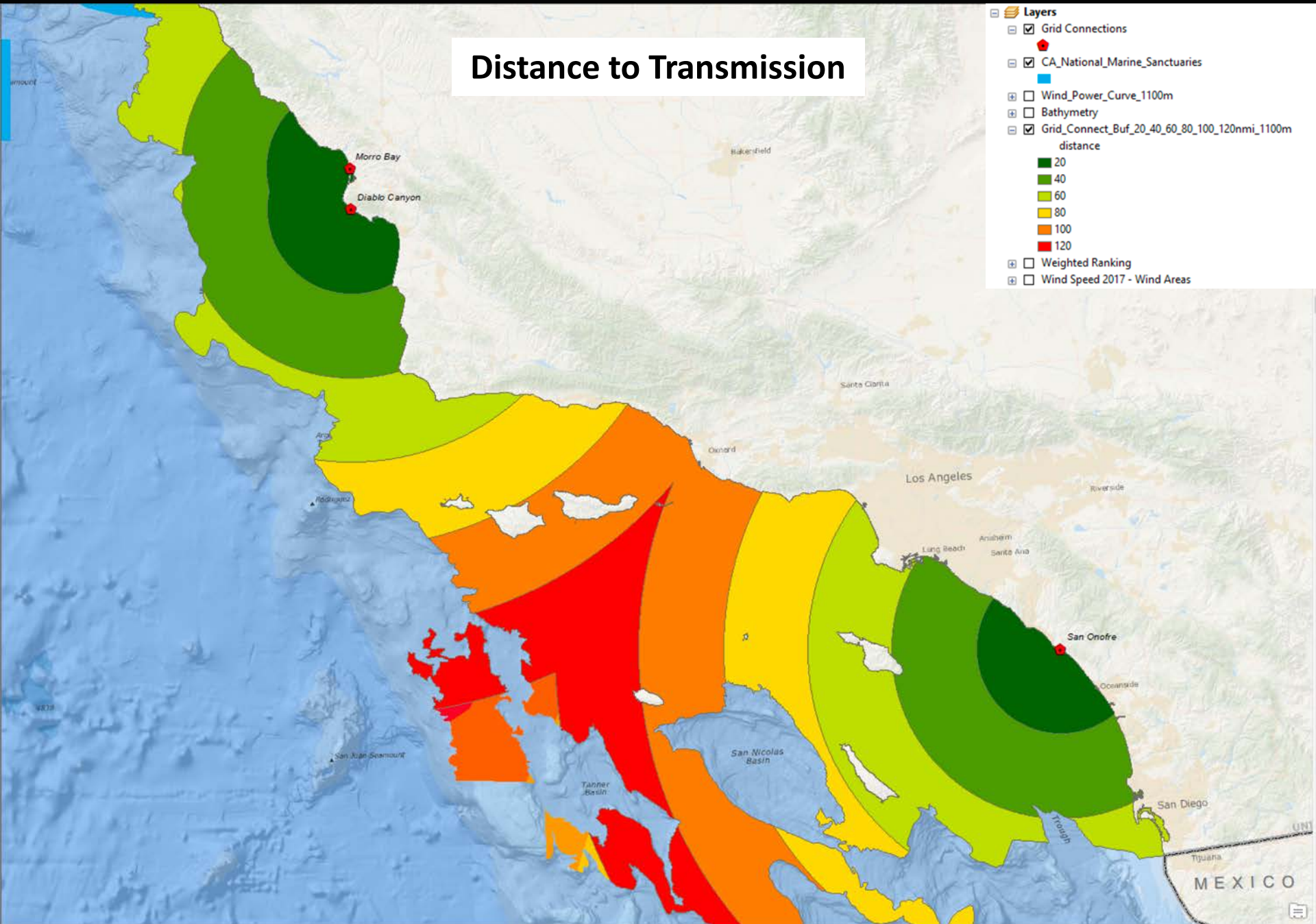
Distance to Transmission

Layers

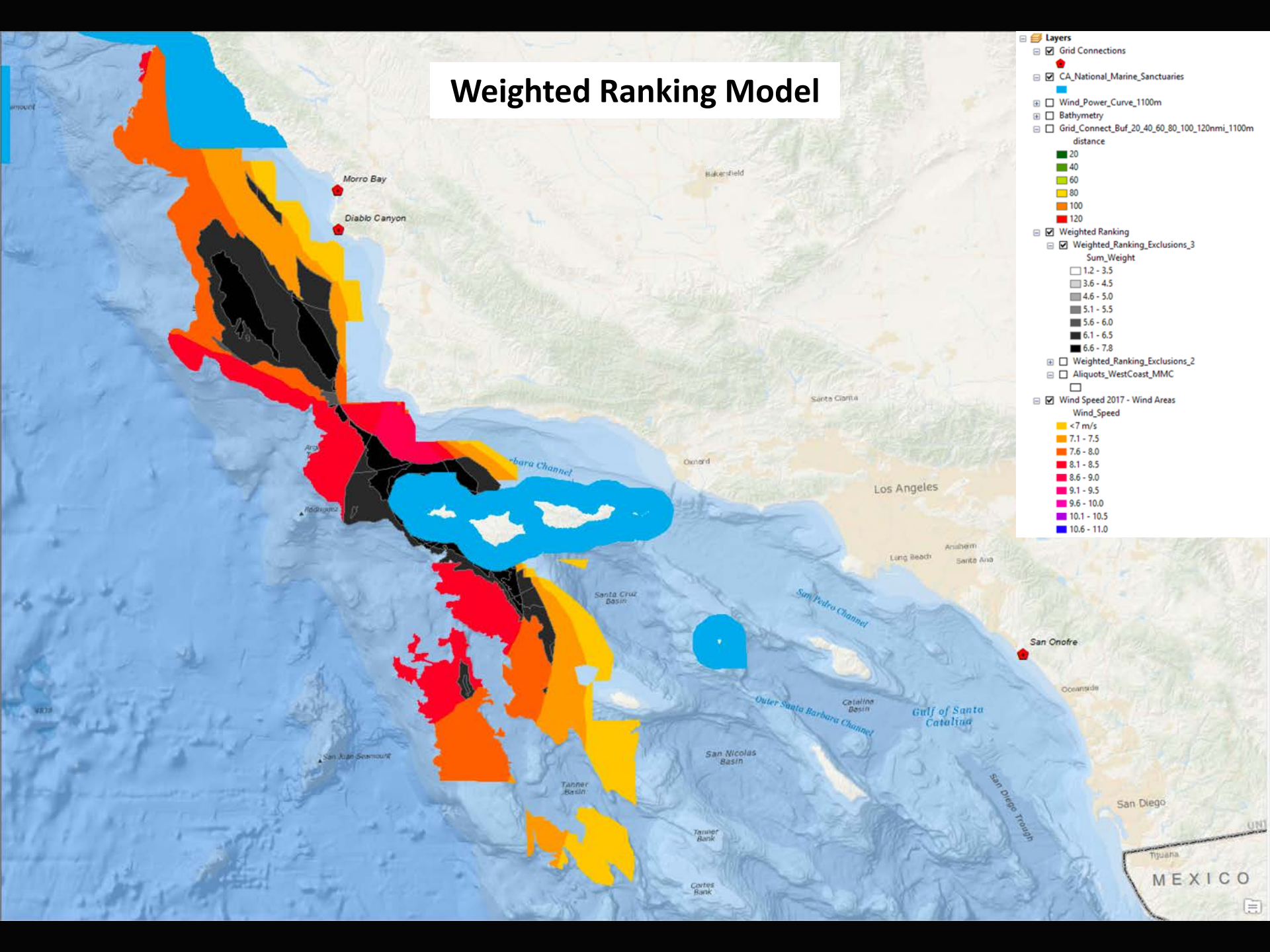
- Grid Connections
- CA_National_Marine_Sanctuaries
- Wind_Power_Curve_1100m
- Bathymetry
- Grid_Connect_Buf_20_40_60_80_100_120nmi_1100m distance
- Weighted Ranking
- Wind Speed 2017 - Wind Areas

distance

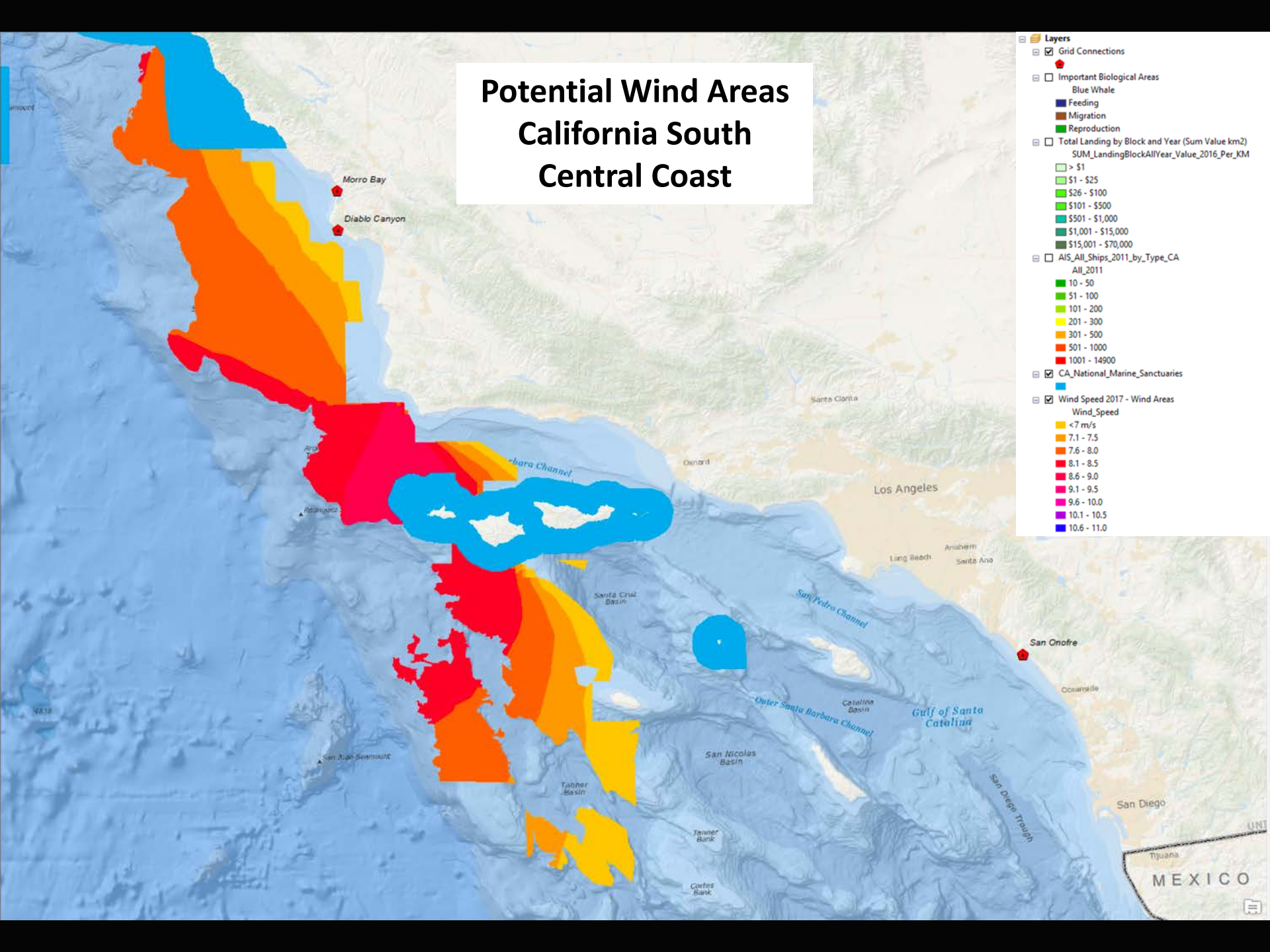
- 20
- 40
- 60
- 80
- 100
- 120



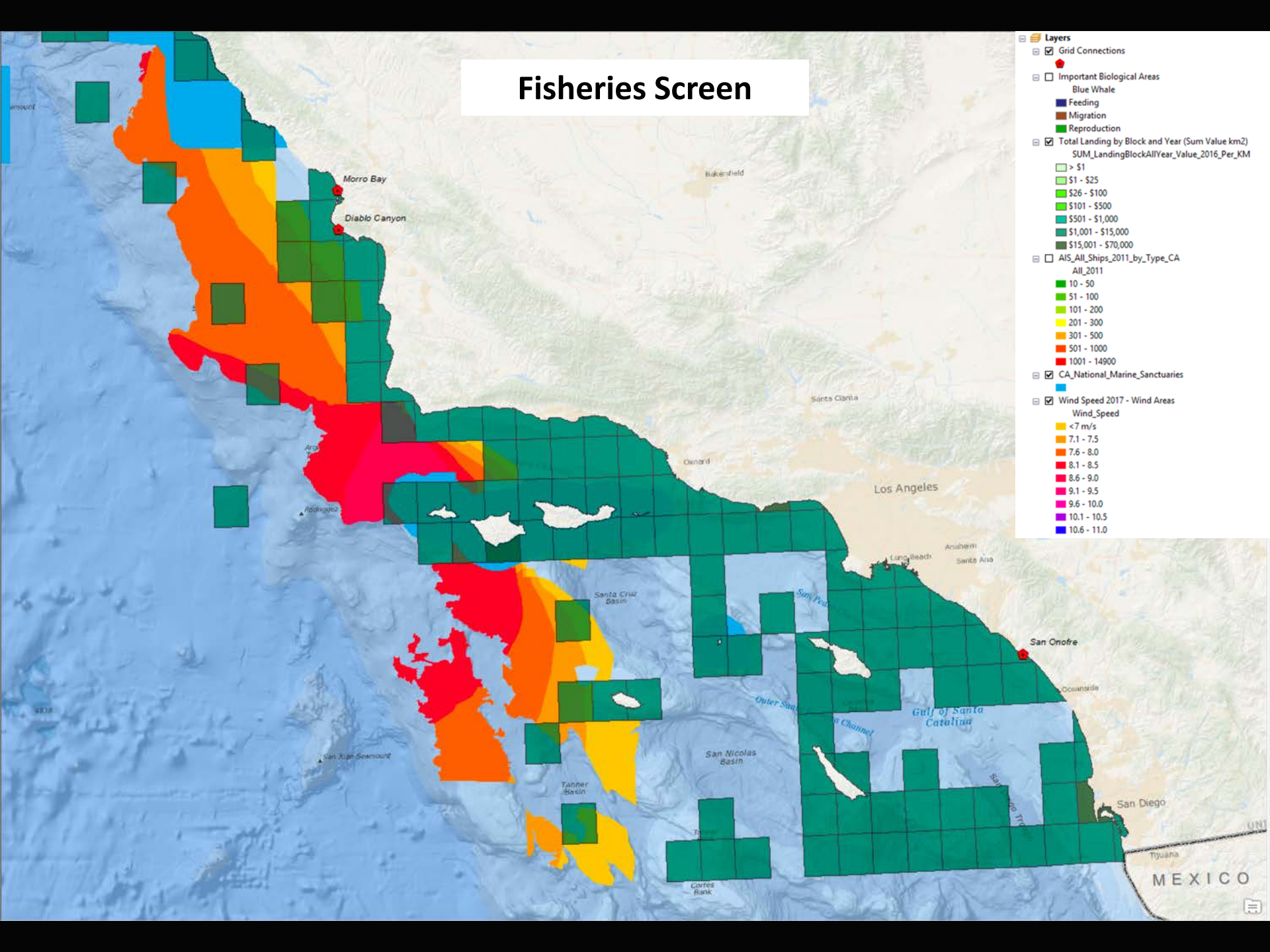
Weighted Ranking Model



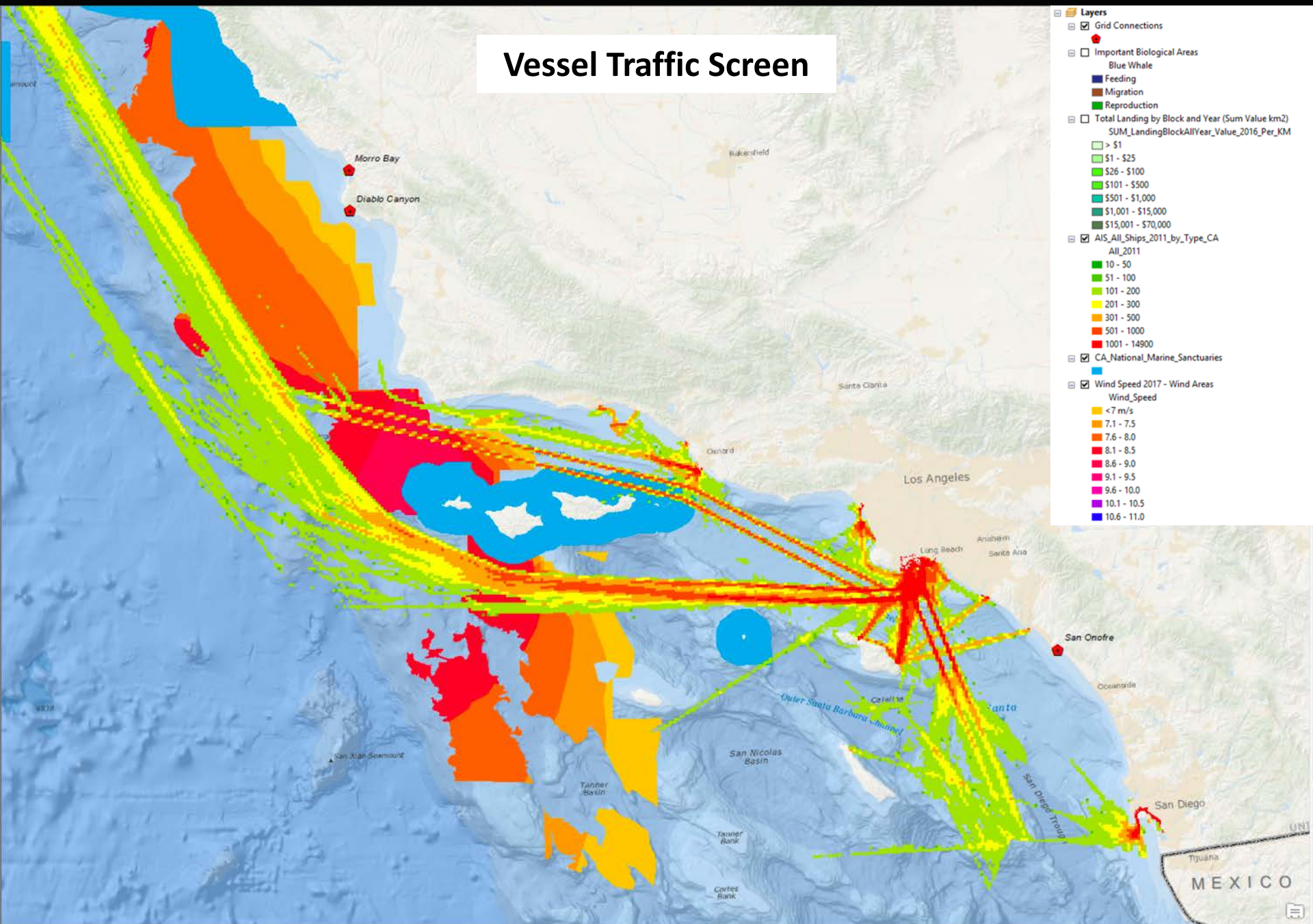
Potential Wind Areas California South Central Coast



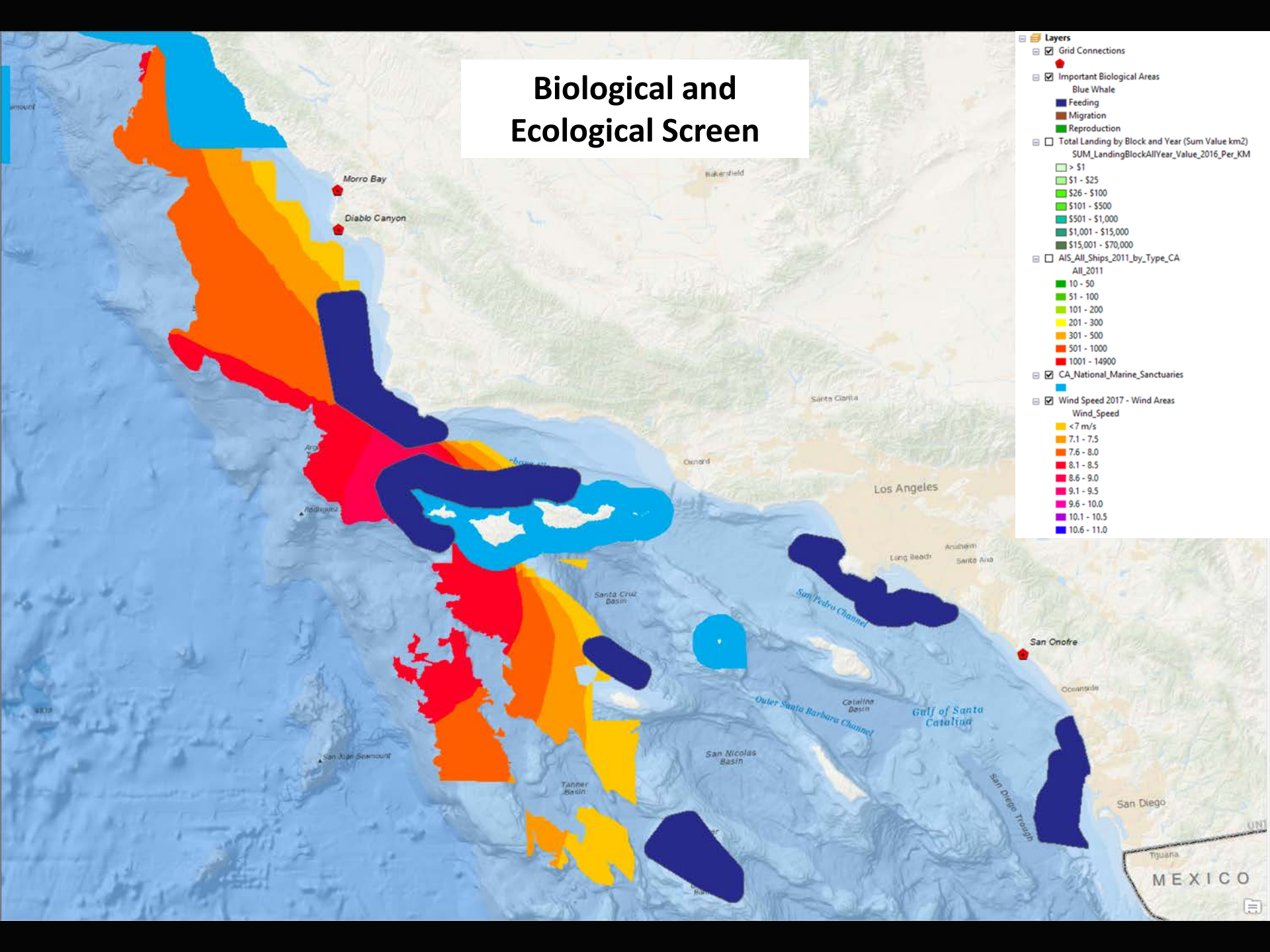
Fisheries Screen



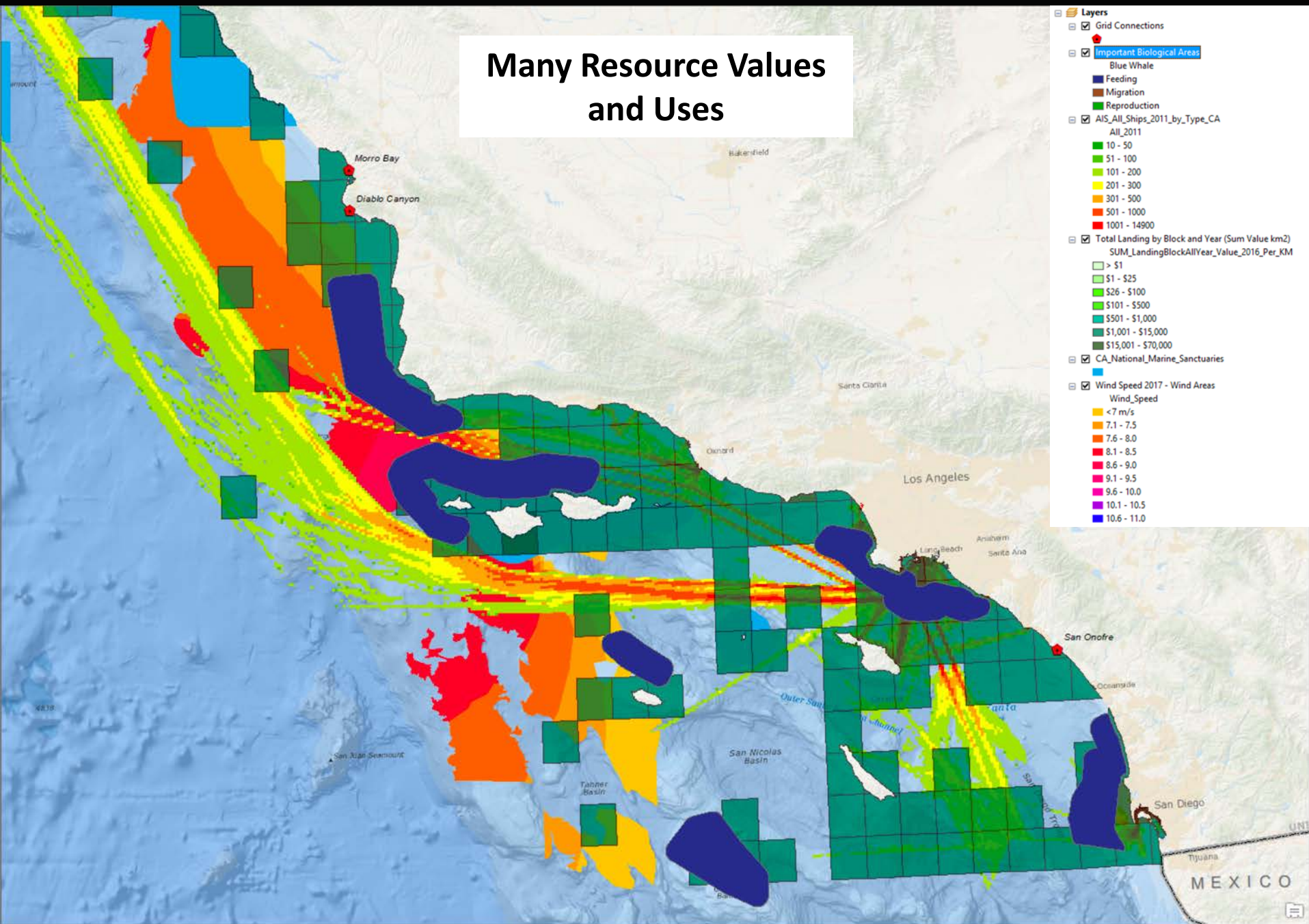
Vessel Traffic Screen



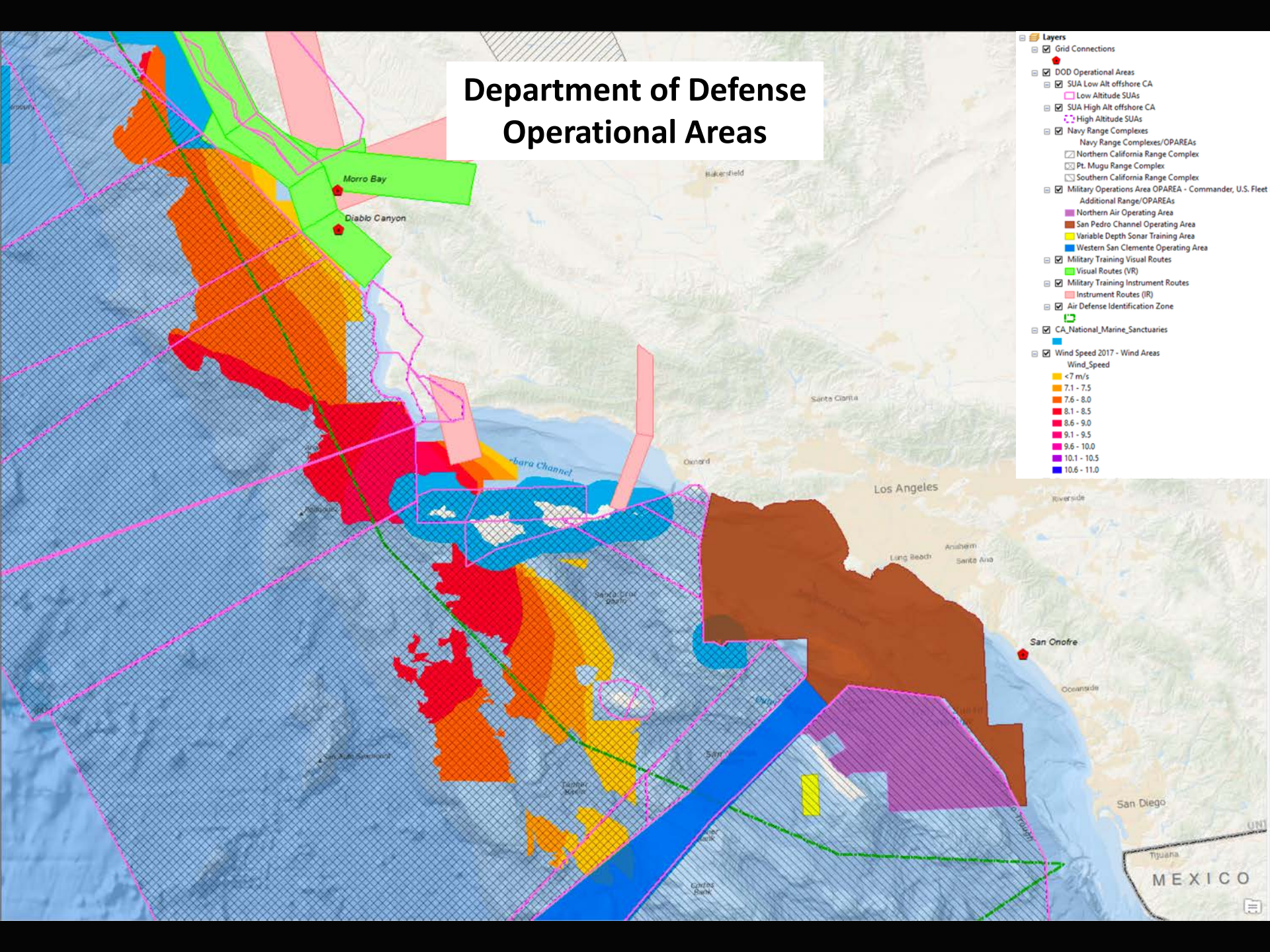
Biological and Ecological Screen



Many Resource Values and Uses

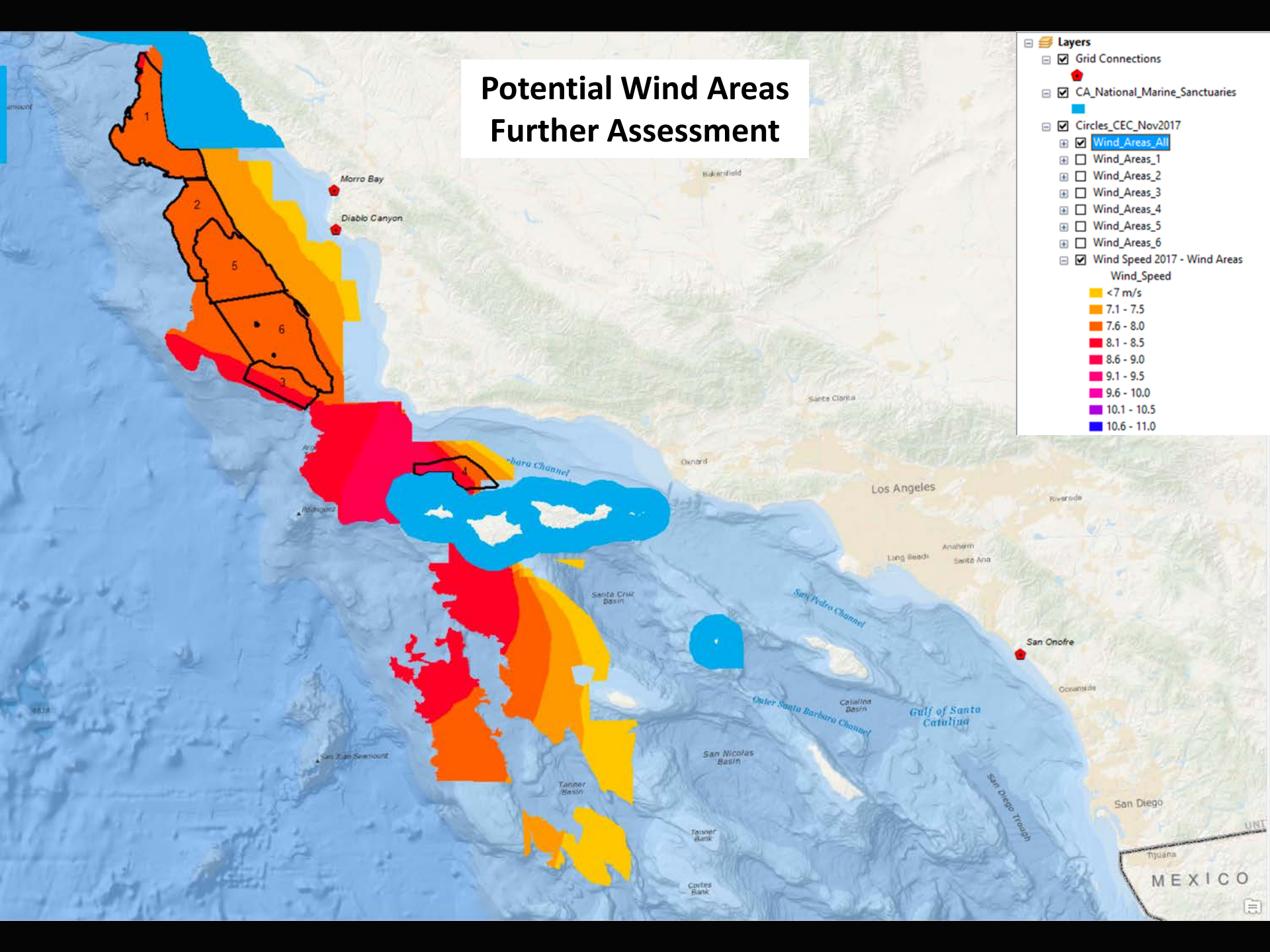


Department of Defense Operational Areas



- Layers
- Grid Connections
- DOD Operational Areas
 - SUA Low Alt offshore CA
 - SUA High Alt offshore CA
 - High Altitude SUAs
- Navy Range Complexes
 - Navy Range Complexes/OPAREAs
 - Northern California Range Complex
 - Pt. Mugu Range Complex
 - Southern California Range Complex
 - Military Operations Area OPAREA - Commander, U.S. Fleet
 - Additional Range/OPAREAs
 - Northern Air Operating Area
 - San Pedro Channel Operating Area
 - Variable Depth Sonar Training Area
 - Western San Clemente Operating Area
- Military Training Visual Routes
- Military Training Instrument Routes
- Air Defense Identification Zone
- CA National Marine Sanctuaries
- Wind Speed 2017 - Wind Areas
 - Wind_Speed
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 - 10.1 - 10.5
 - 10.6 - 11.0

Potential Wind Areas Further Assessment





Contact Information

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California Offshore Wind Energy Gateway

<https://caoffshorewind.databasin.org/>