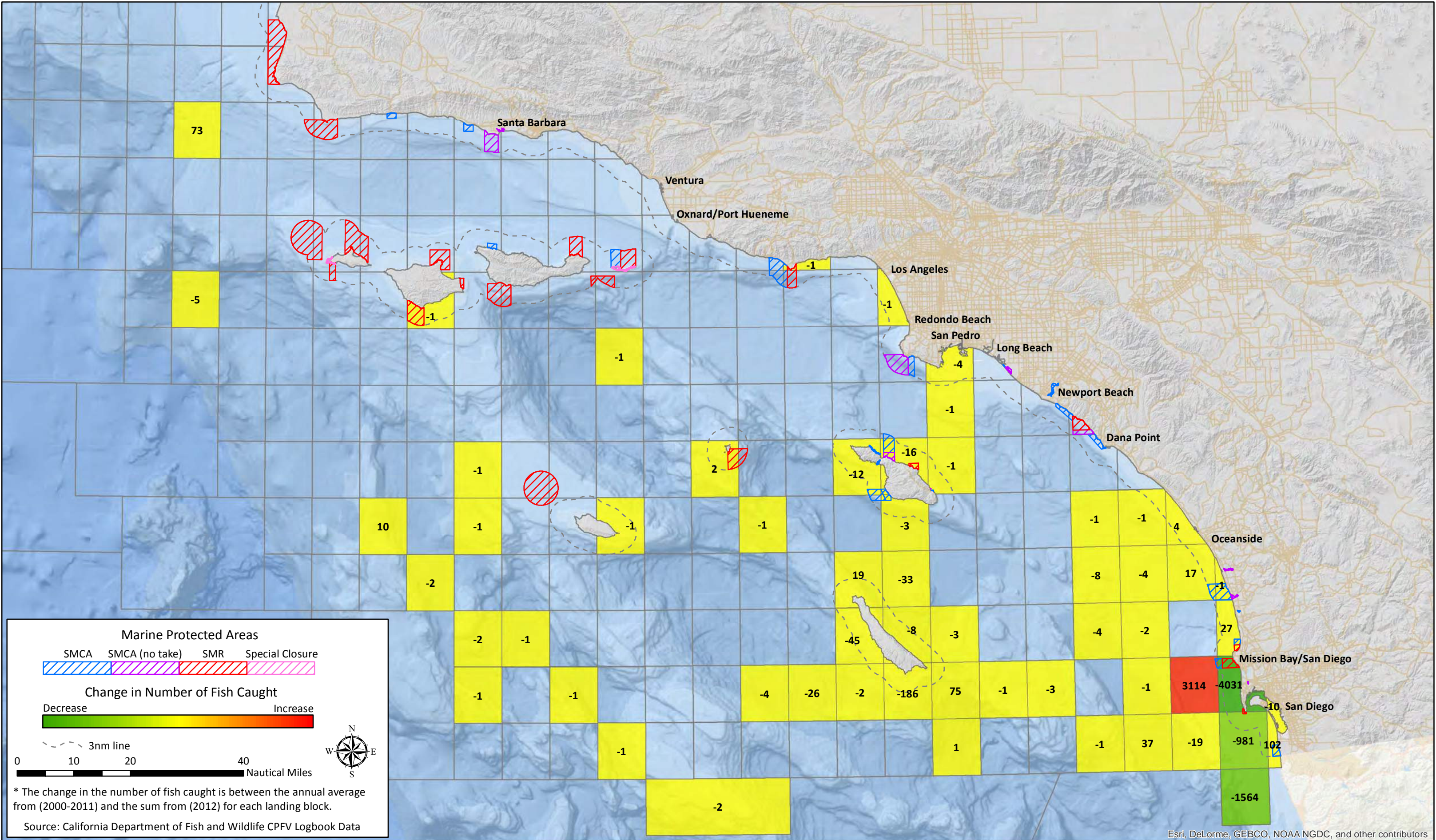


California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

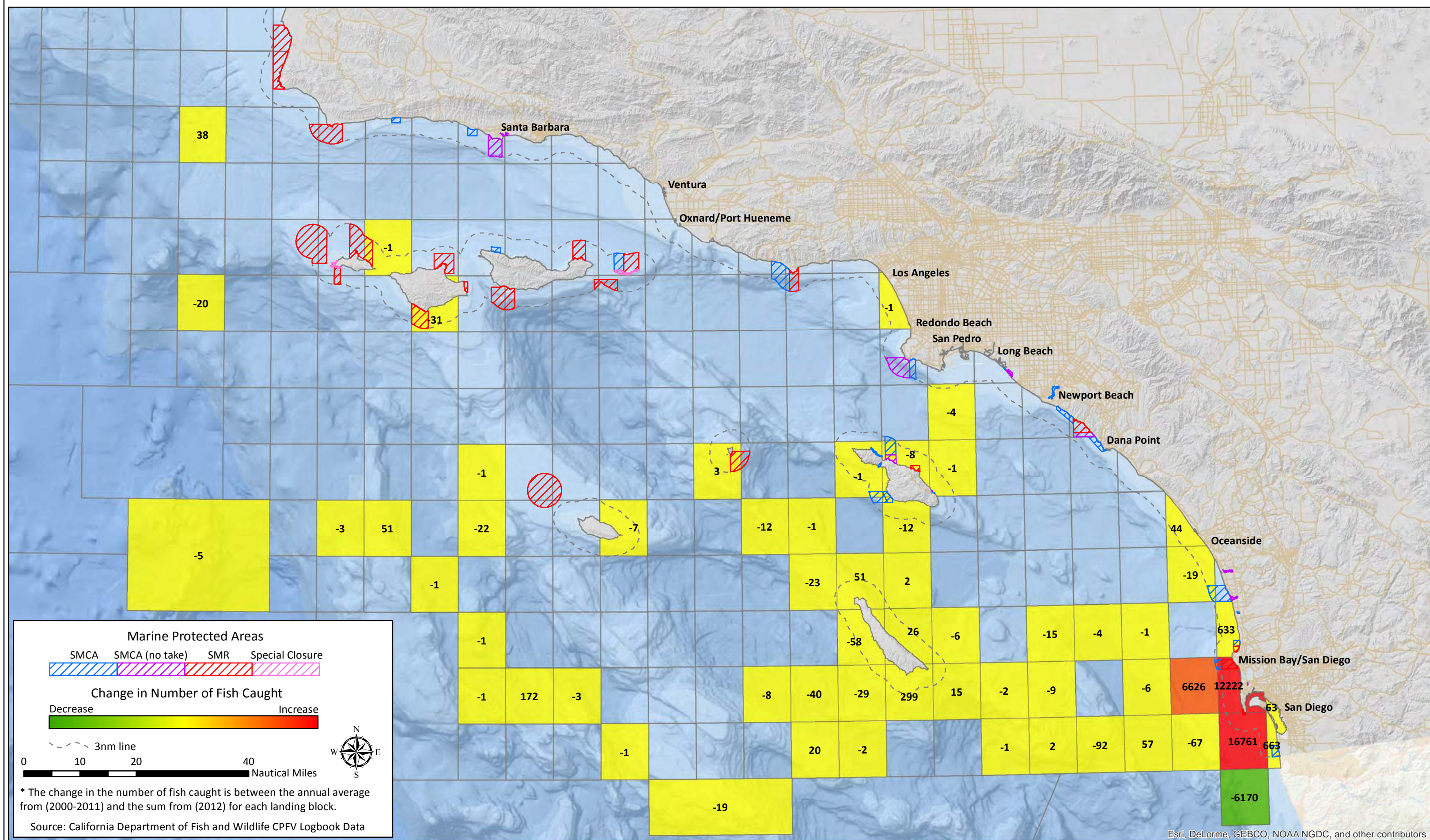
Pre MPA (2000-2011) to Post MPA (2012) – San Diego – Number of Fish Caught – Kelp bass



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

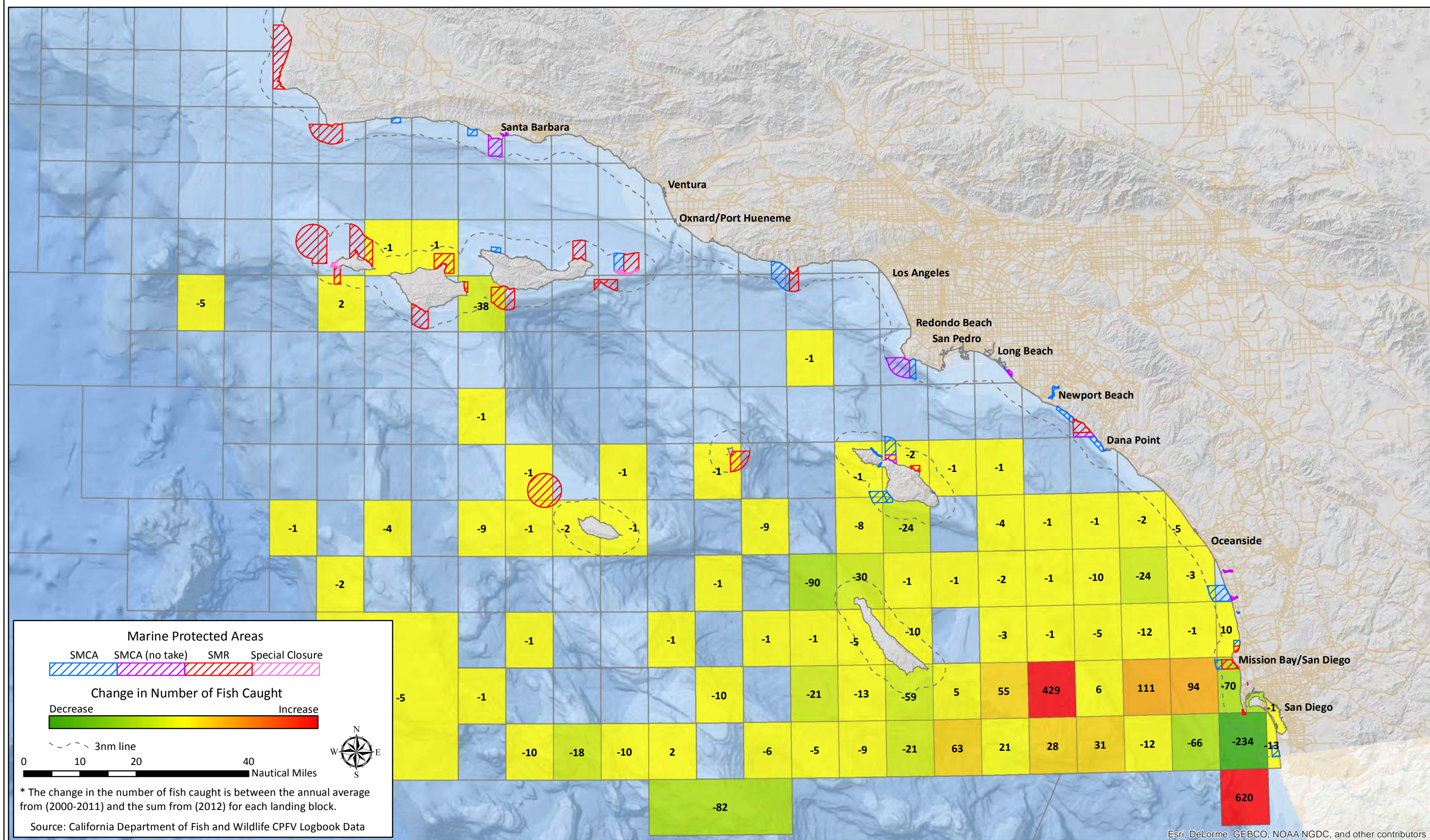
Pre MPA (2000-2011) to Post MPA (2012) – San Diego – Number of Fish Caught – Rockfish



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – San Diego – Number of Fish Caught – Yellowtail



MAP APPENDIX

Number of Anglers
Spatial Change Maps:

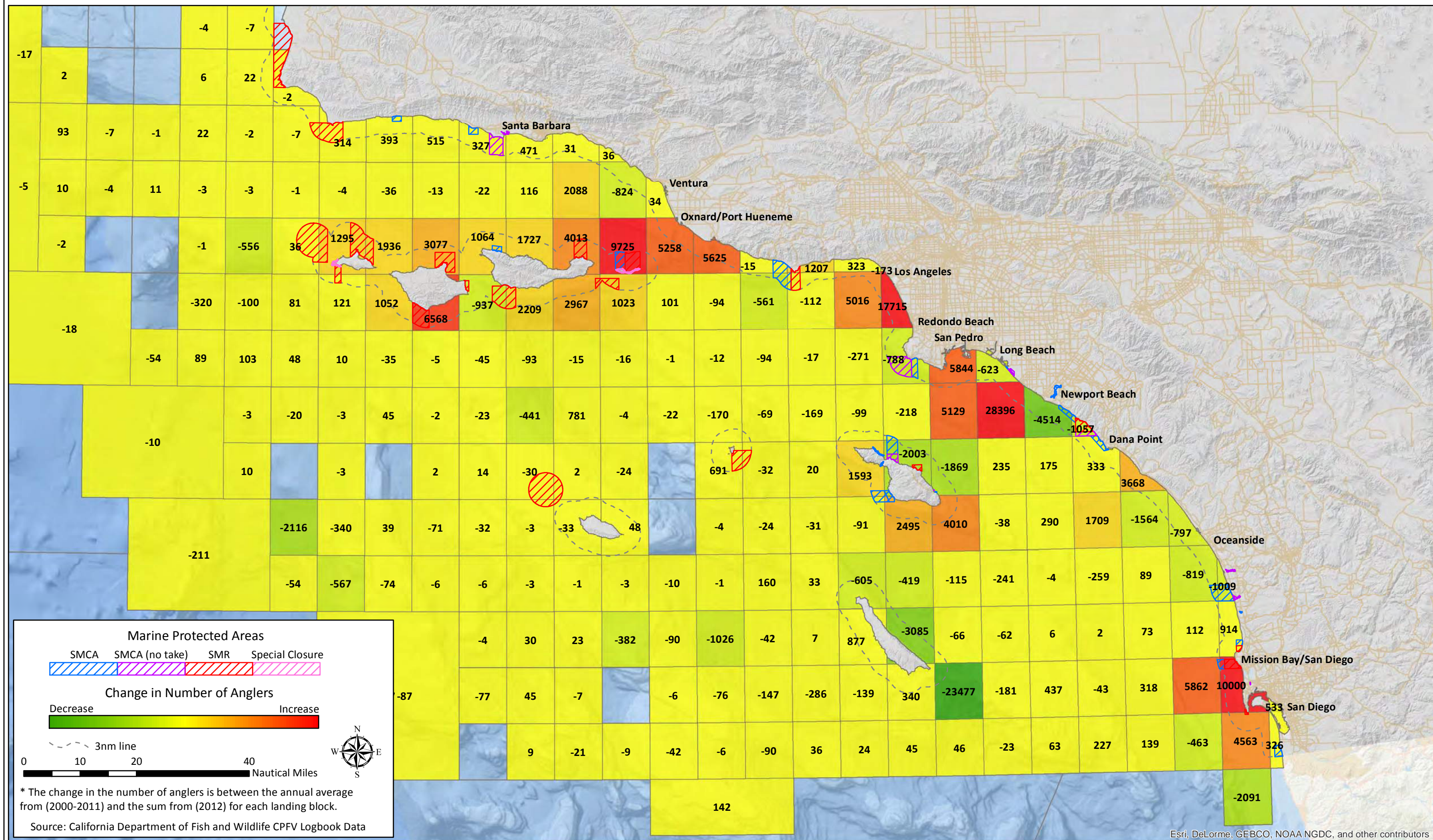
Change between Pre MPA (2000-2011 yearly average) and
Post MPA (2012)

POINT 97

An  ecotrust company

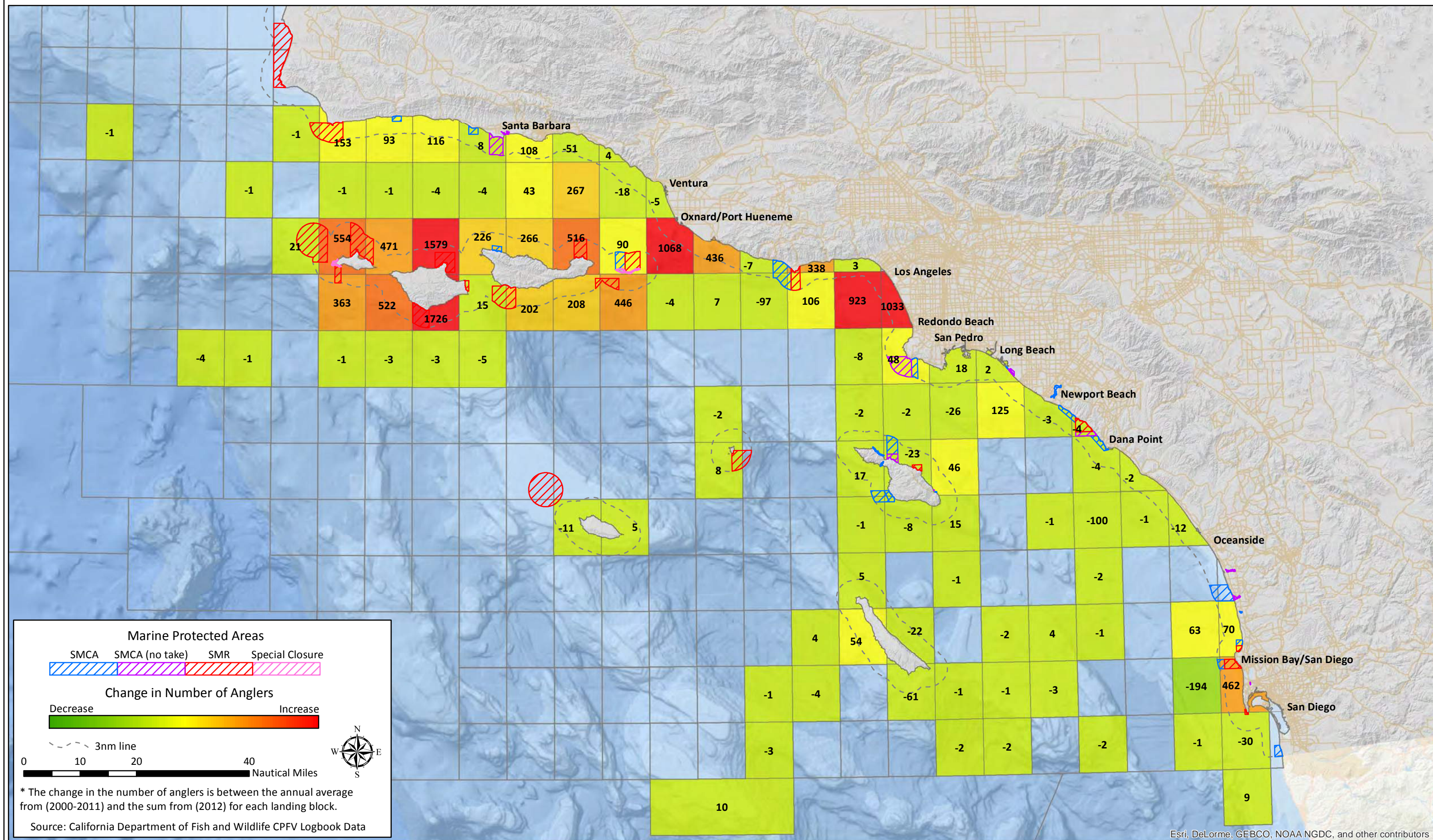
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Anglers Targeting All Fisheries



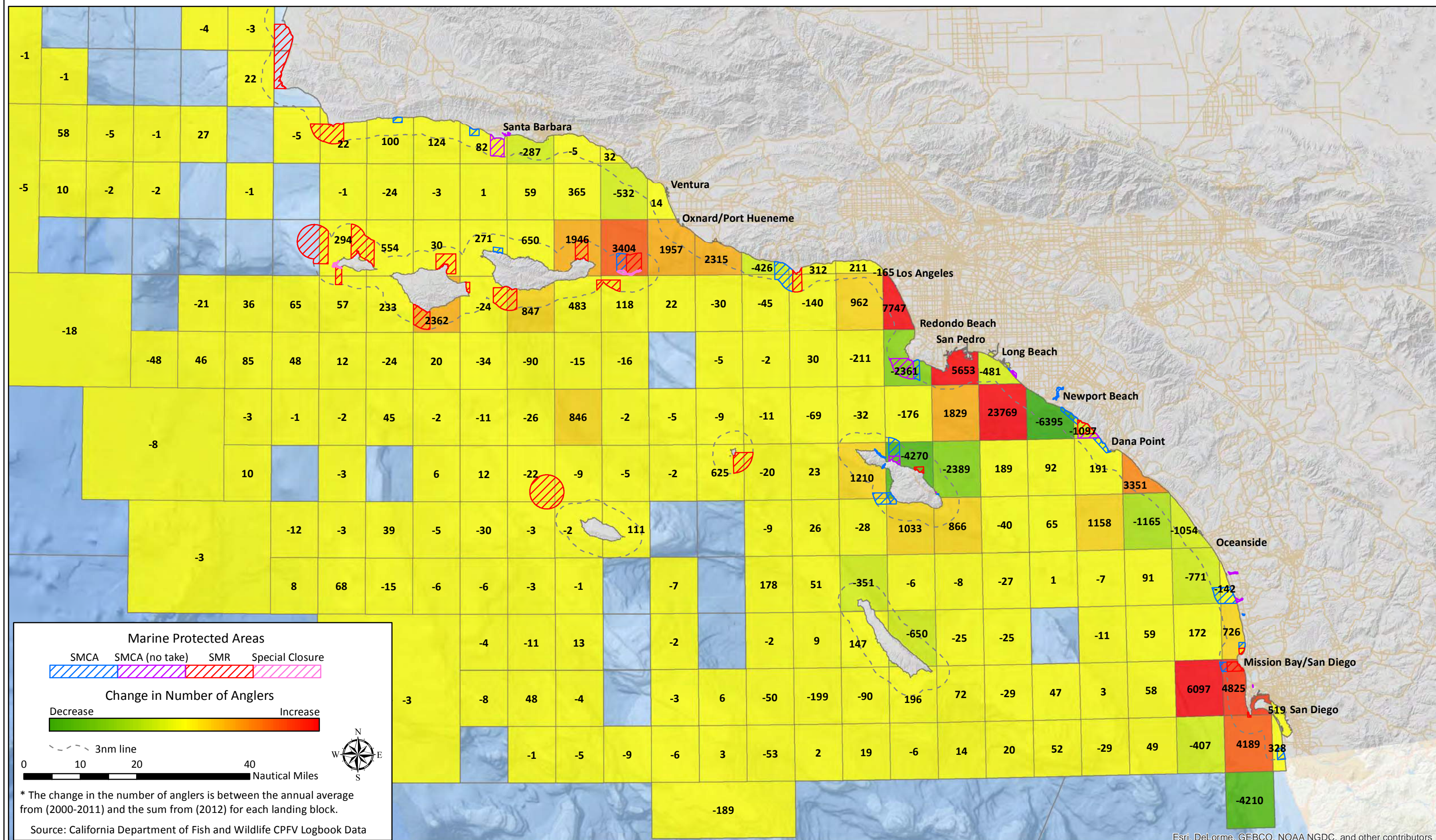
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Anglers Targeting Lingcod



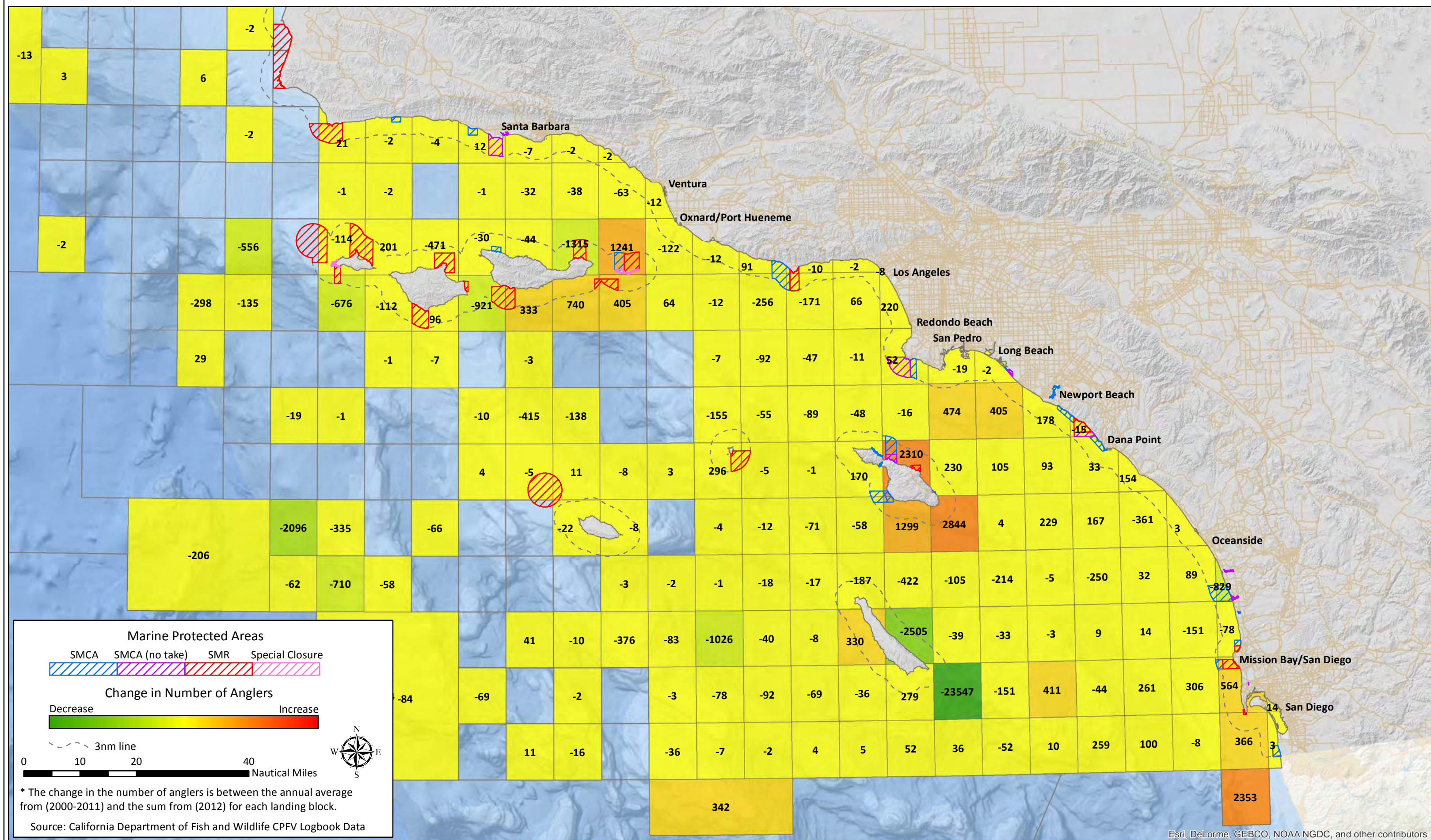
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Anglers Targeting Miscellaneous Coastal Fish



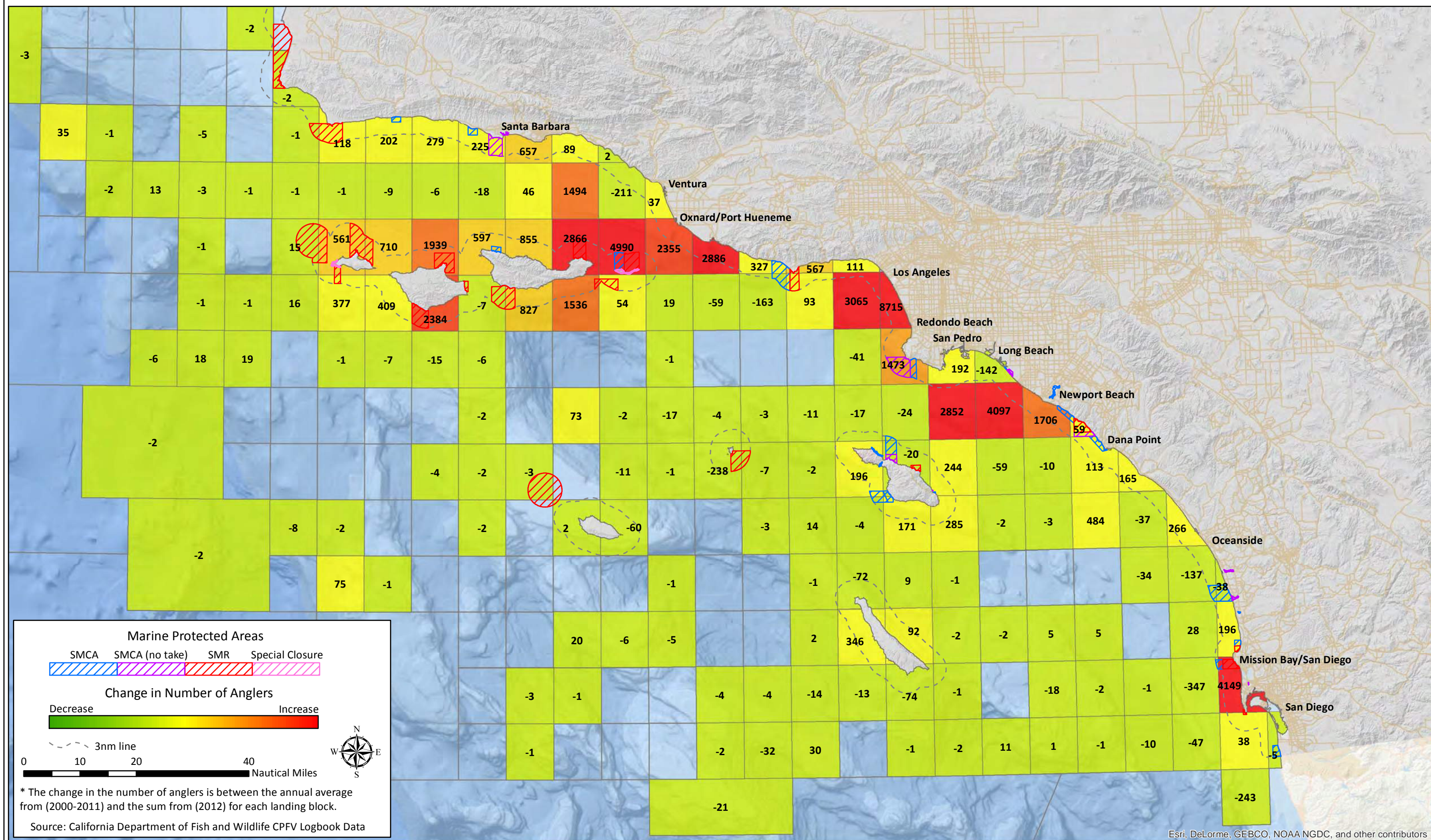
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Anglers Targeting Miscellaneous Offshore Fish



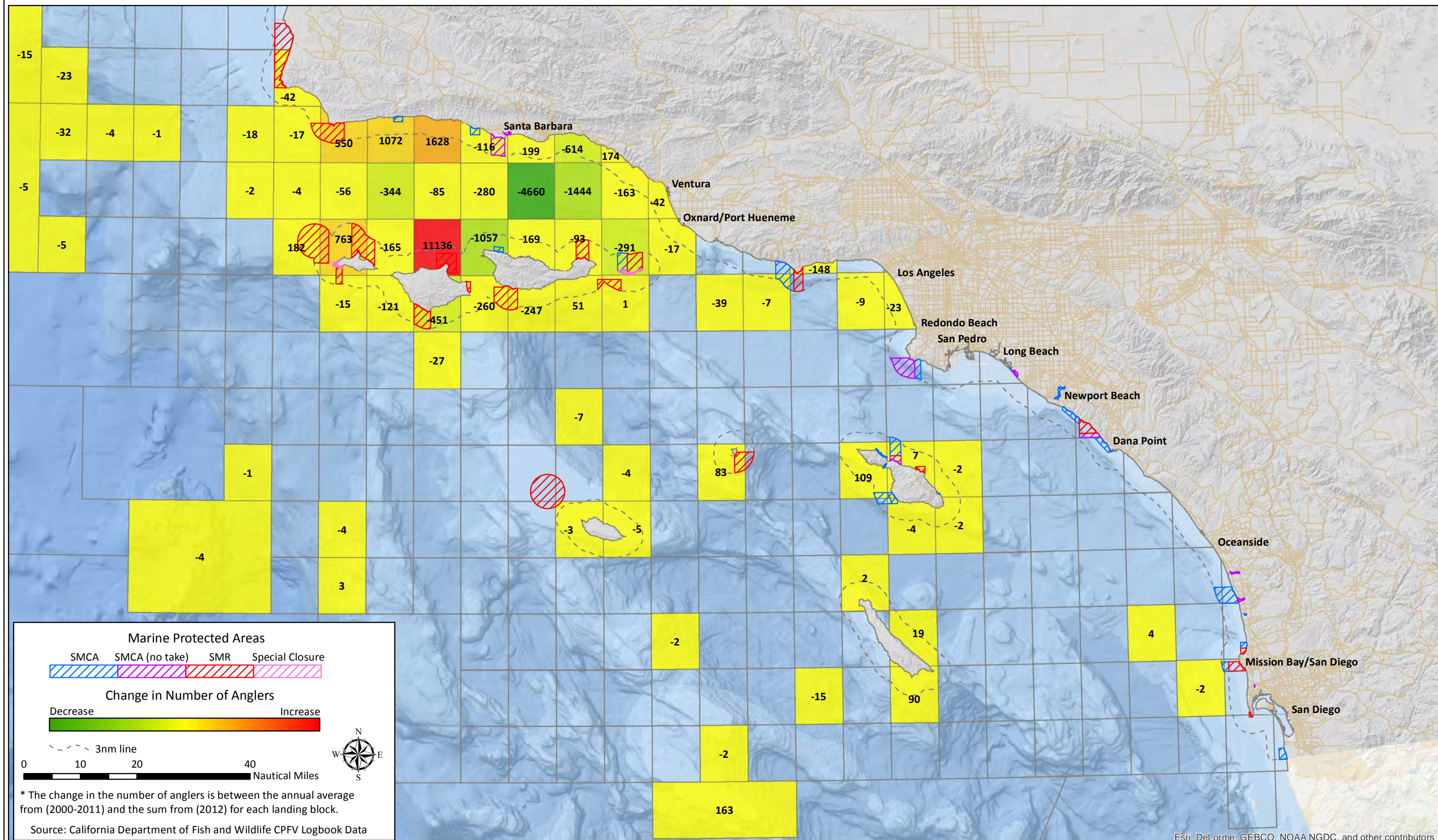
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Anglers Targeting Rockfish



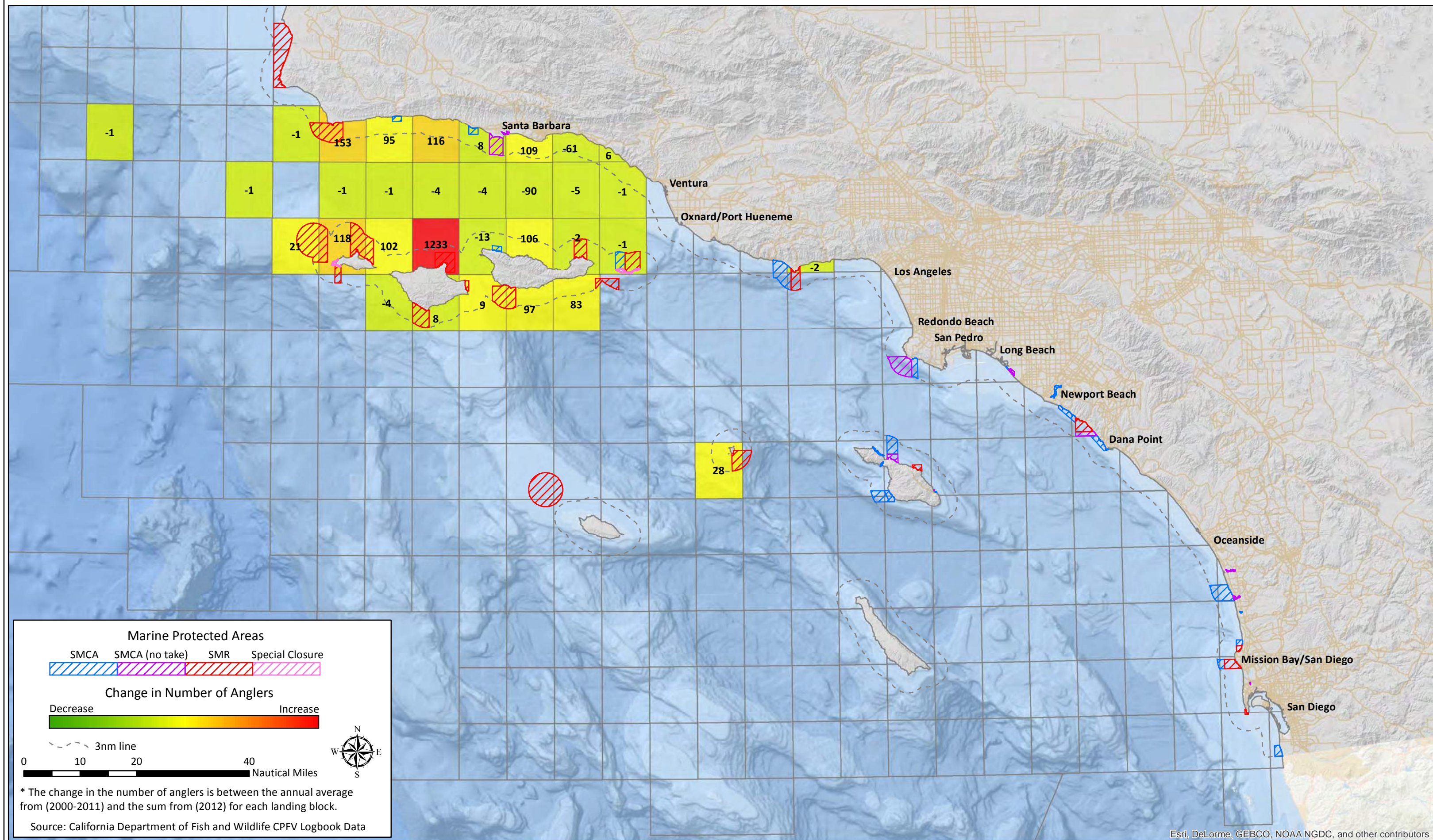
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Santa Barbara – Number of Anglers Targeting All Fisheries



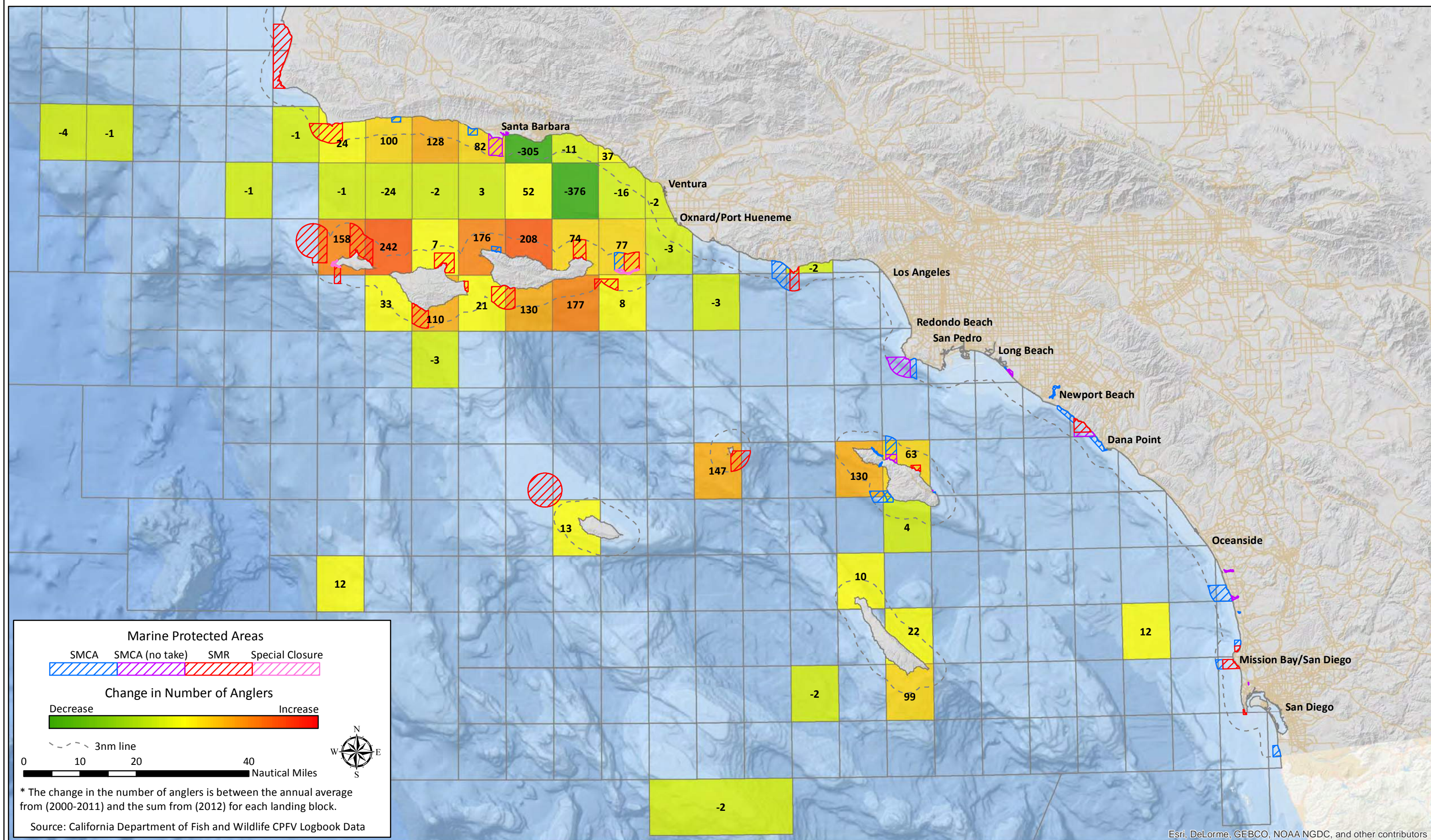
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Santa Barbara – Number of Anglers Targeting Lingcod



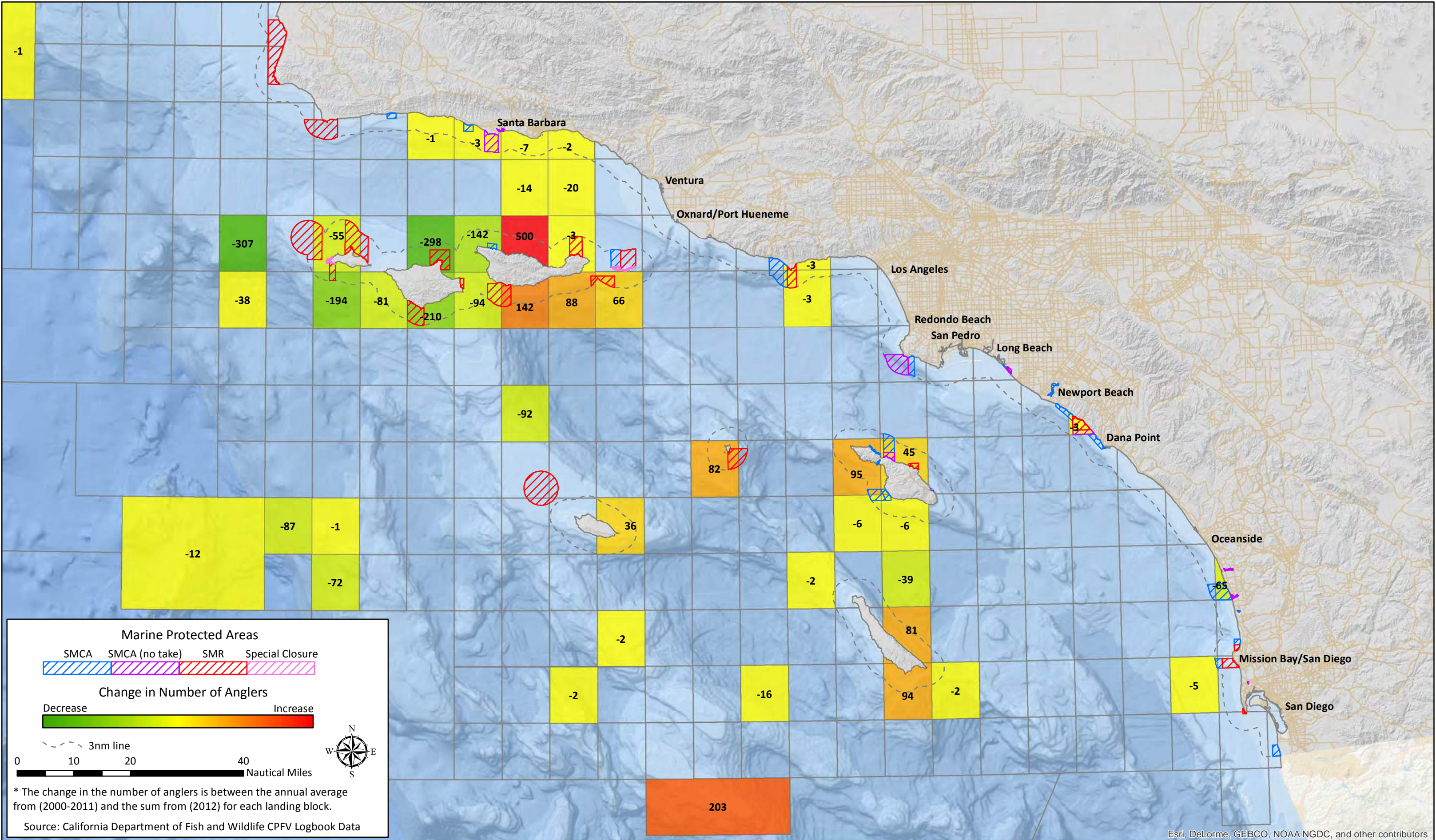
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Santa Barbara – Number of Anglers Targeting Miscellaneous Coastal Fish



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

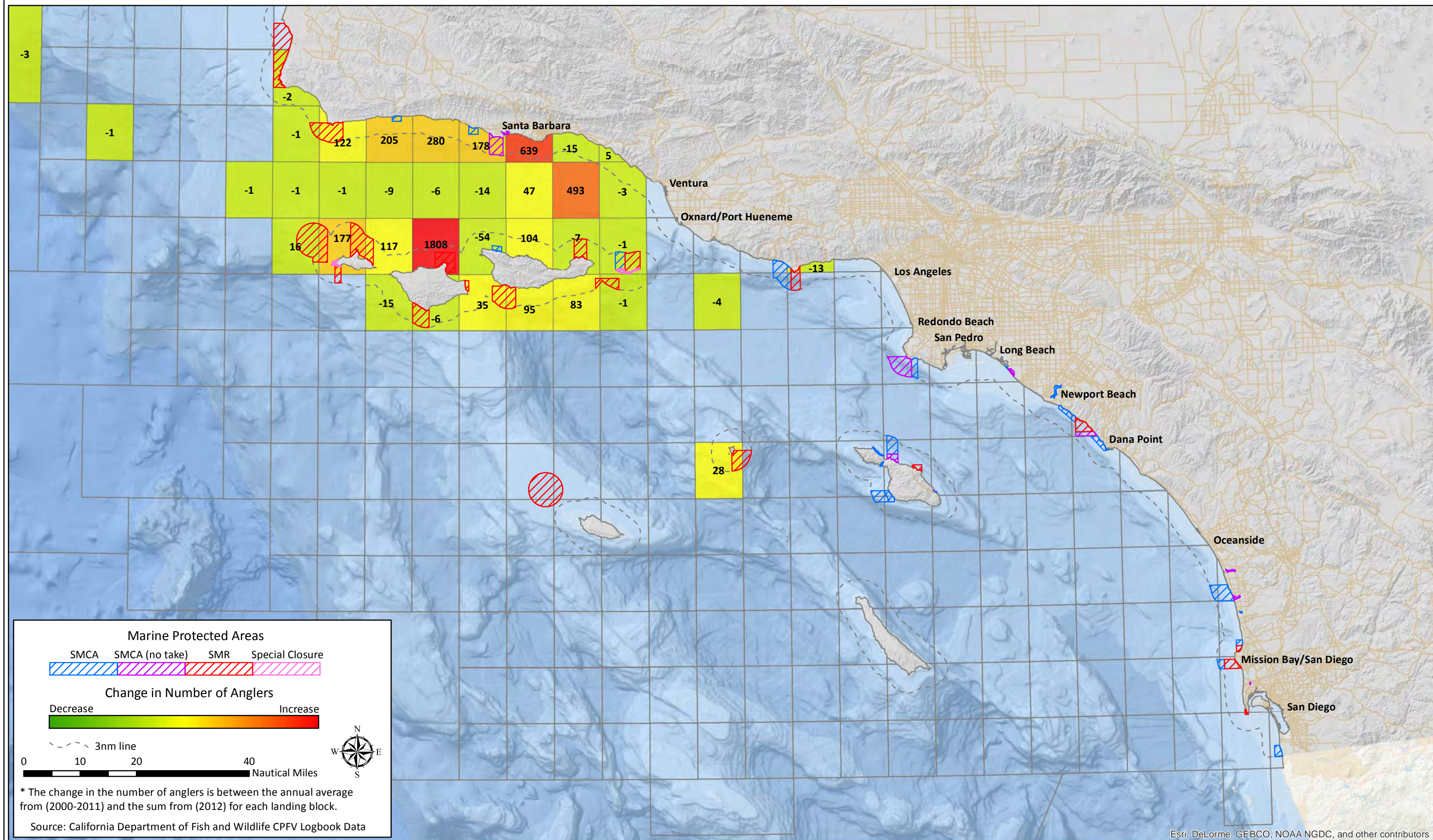
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis* Pre MPA (2000-2011) to Post MPA (2012) – Santa Barbara – Number of Anglers Targeting Miscellaneous Offshore Fish



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

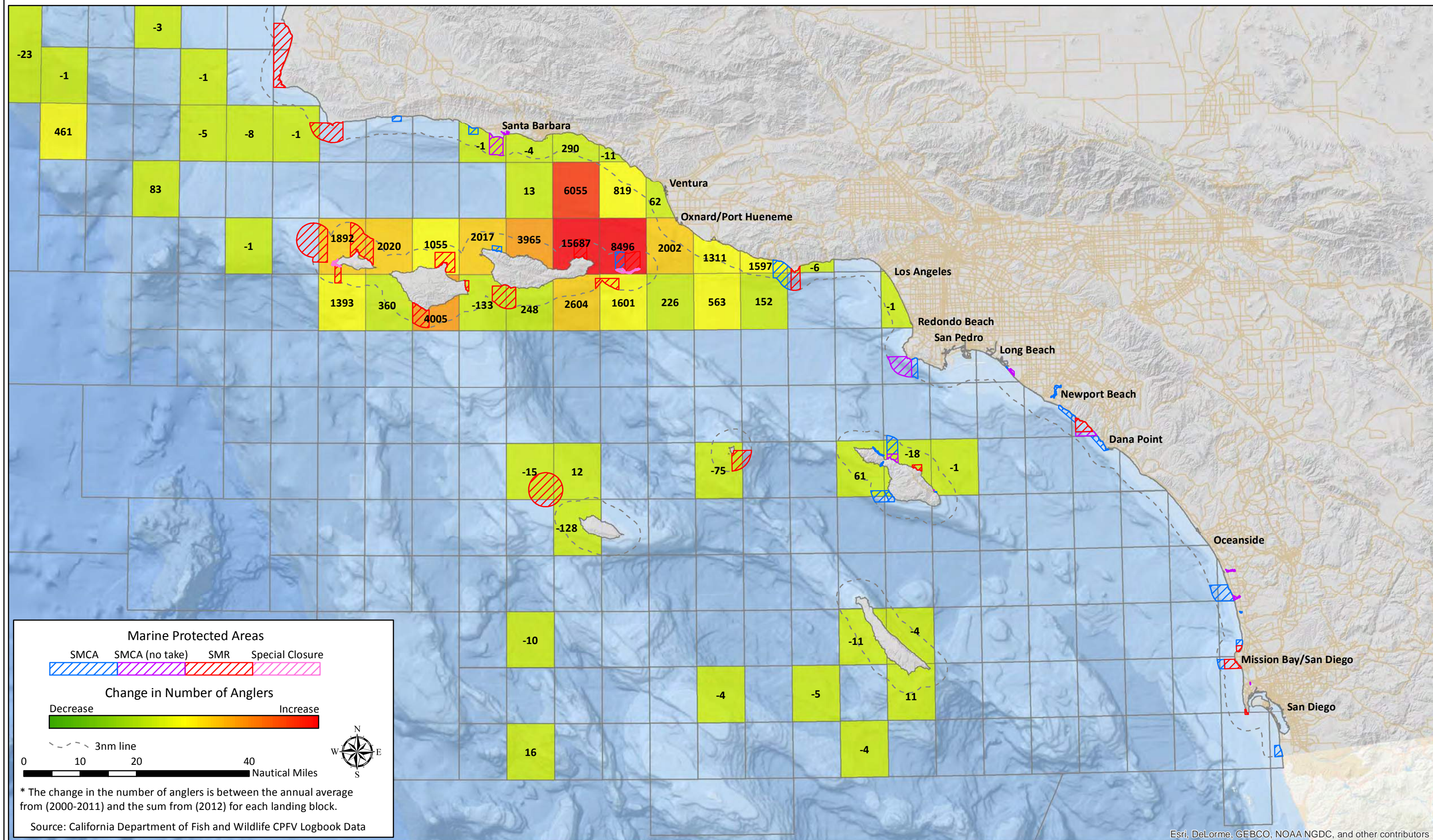
Pre MPA (2000-2011) to Post MPA (2012) – Santa Barbara – Number of Anglers Targeting Rockfish



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

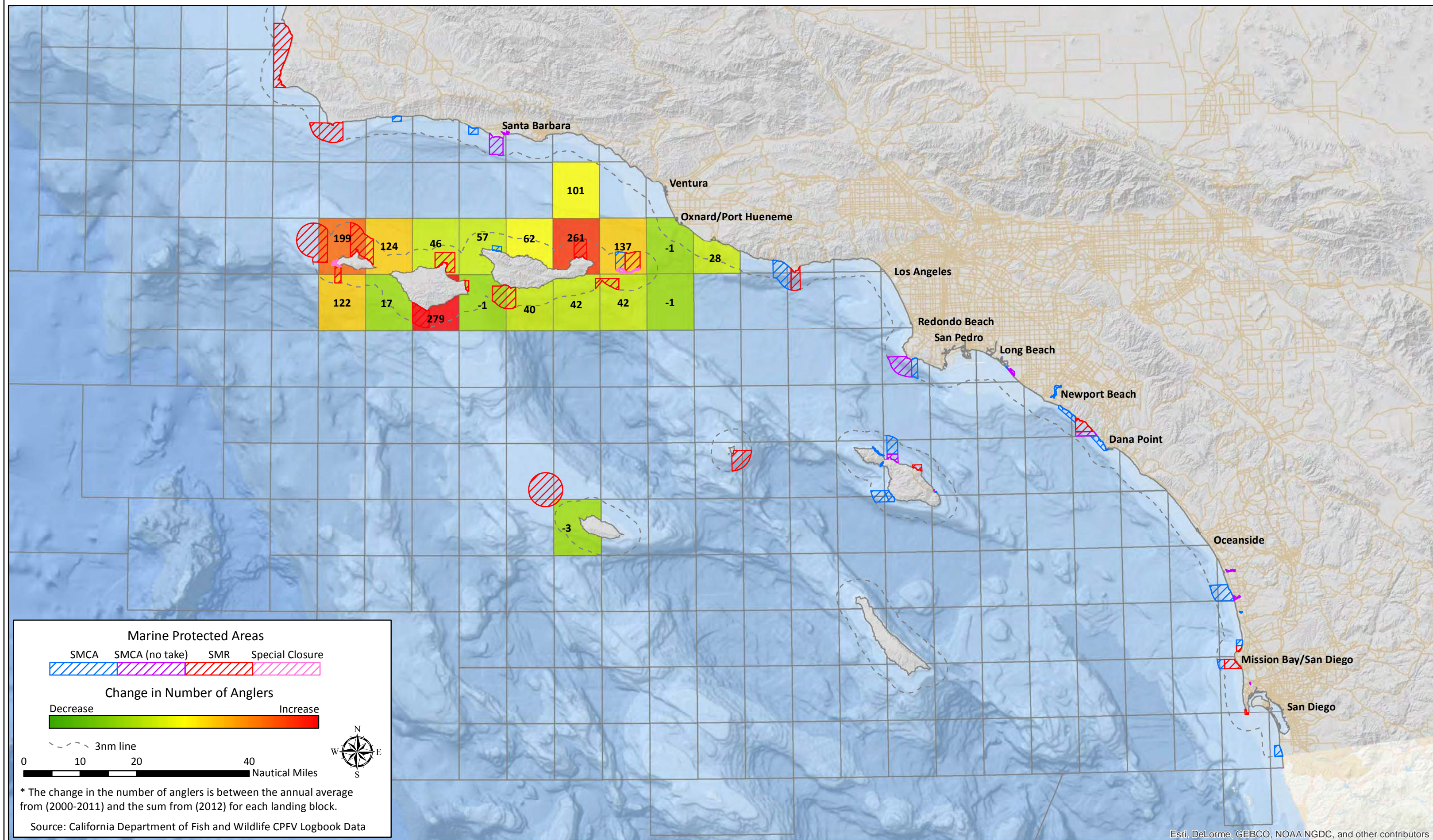
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Ventura – Number of Anglers Targeting All Fisheries



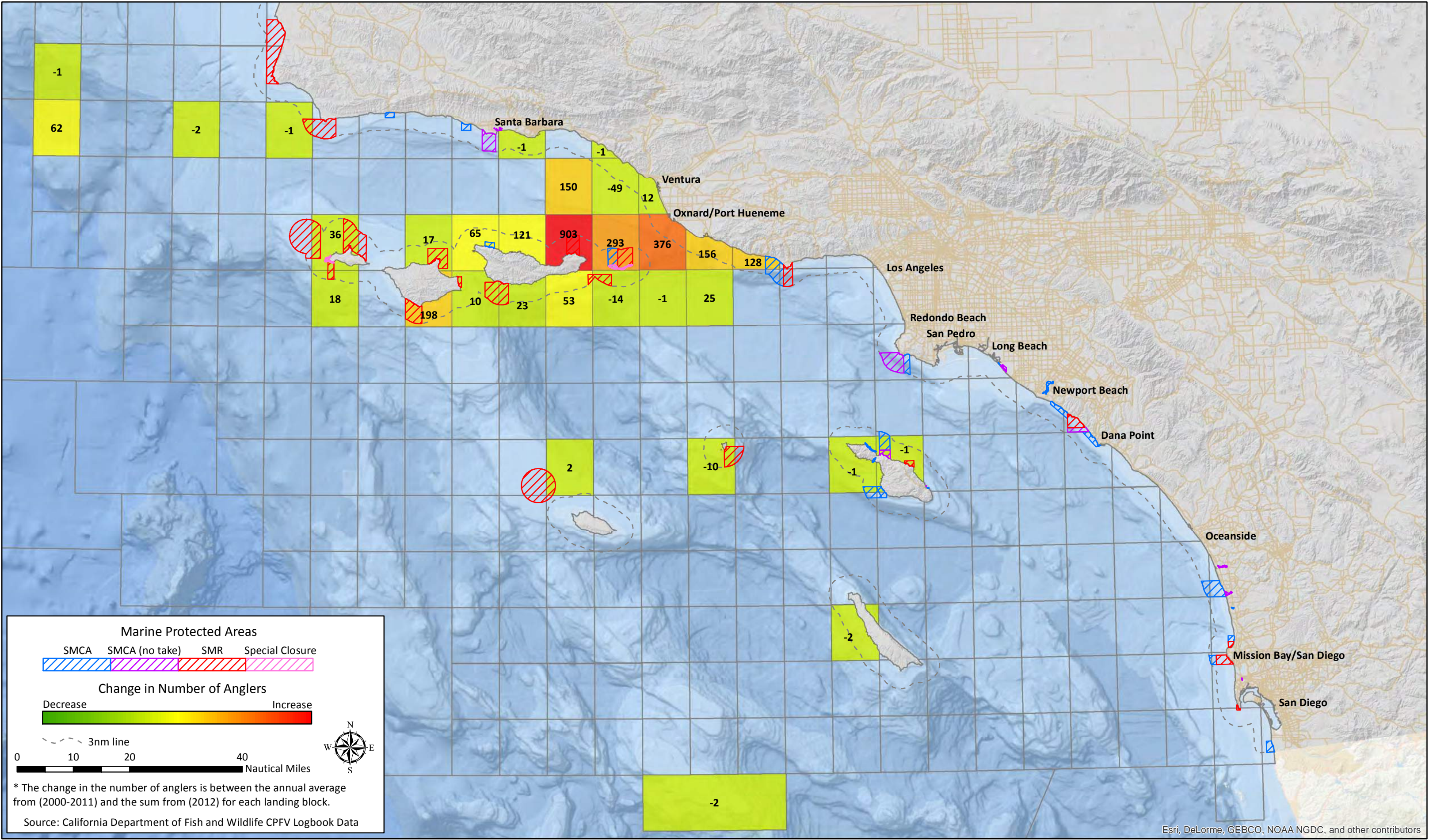
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Ventura – Number of Anglers Targeting Lingcod



California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Ventura – Number of Anglers Targeting Miscellaneous Coastal Fish



Marine Protected Areas

SMCA (Blue Hatched) SMCA (no take) (Purple Hatched) SMR (Red Hatched) Special Closure (Pink Hatched)

Change in Number of Anglers

Decrease (Green) Increase (Red)

--- 3nm line

0 10 20 40 Nautical Miles

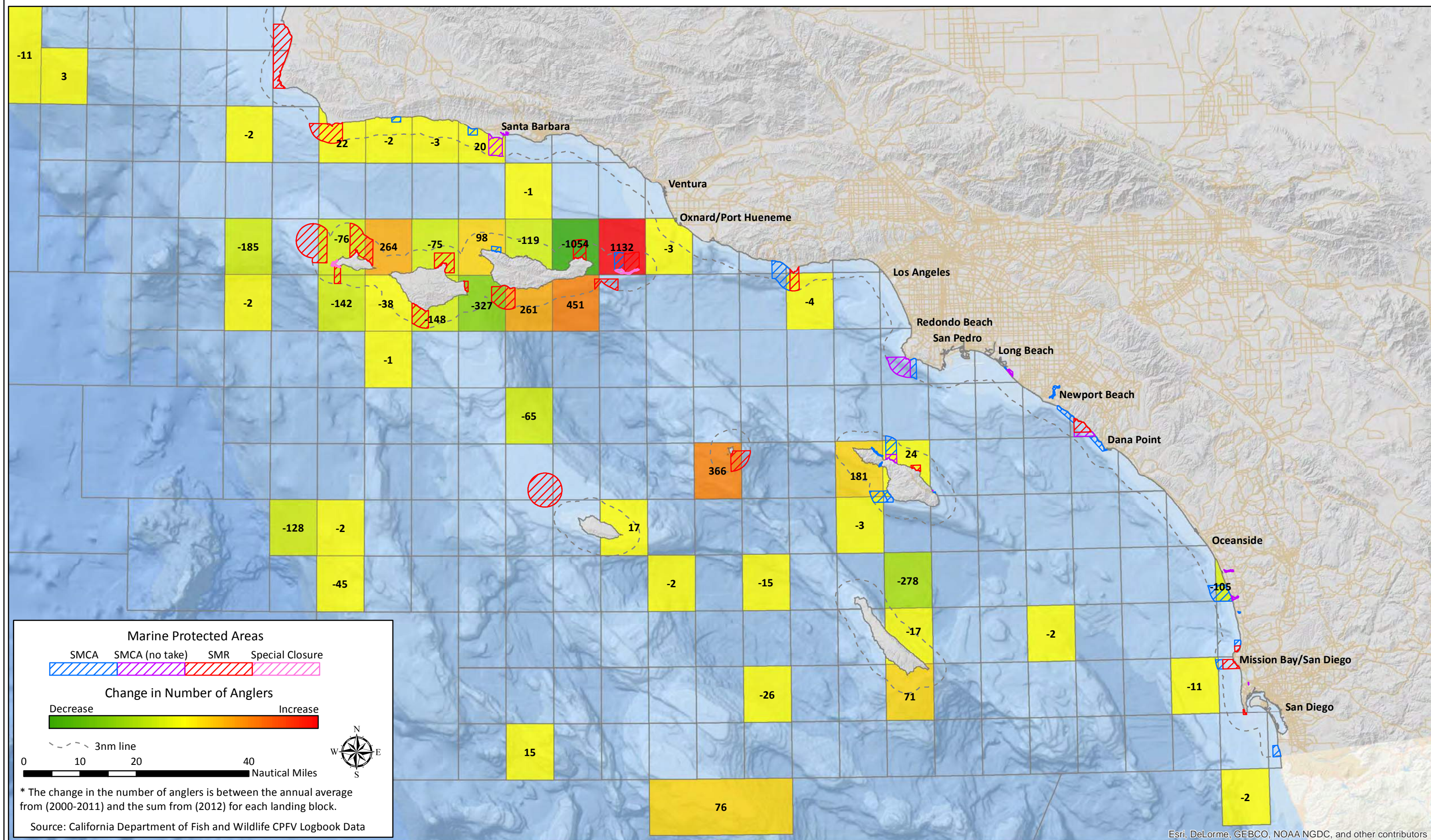
* The change in the number of anglers is between the annual average from (2000-2011) and the sum from (2012) for each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

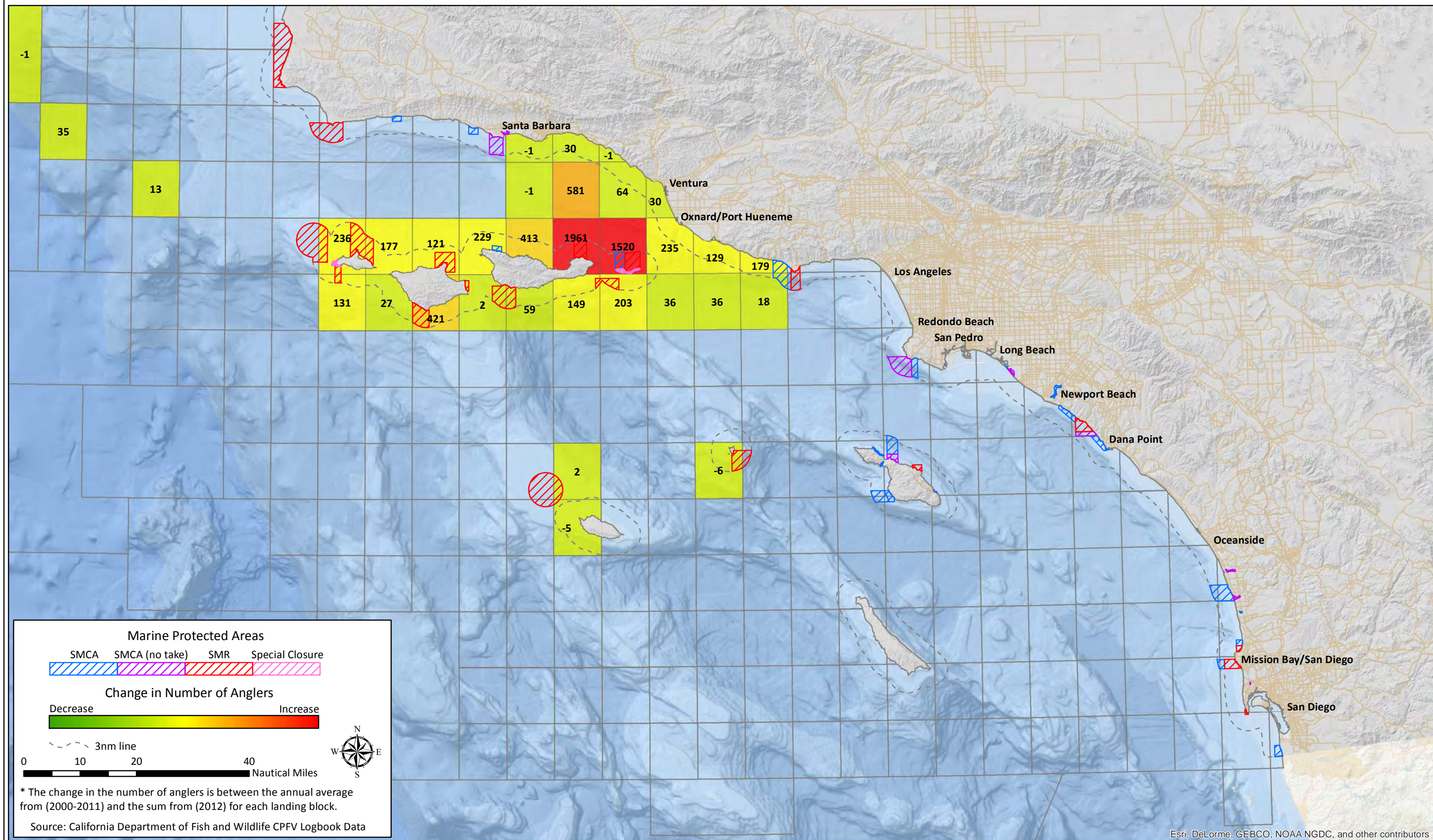
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Ventura – Number of Anglers Targeting Miscellaneous Offshore Fish



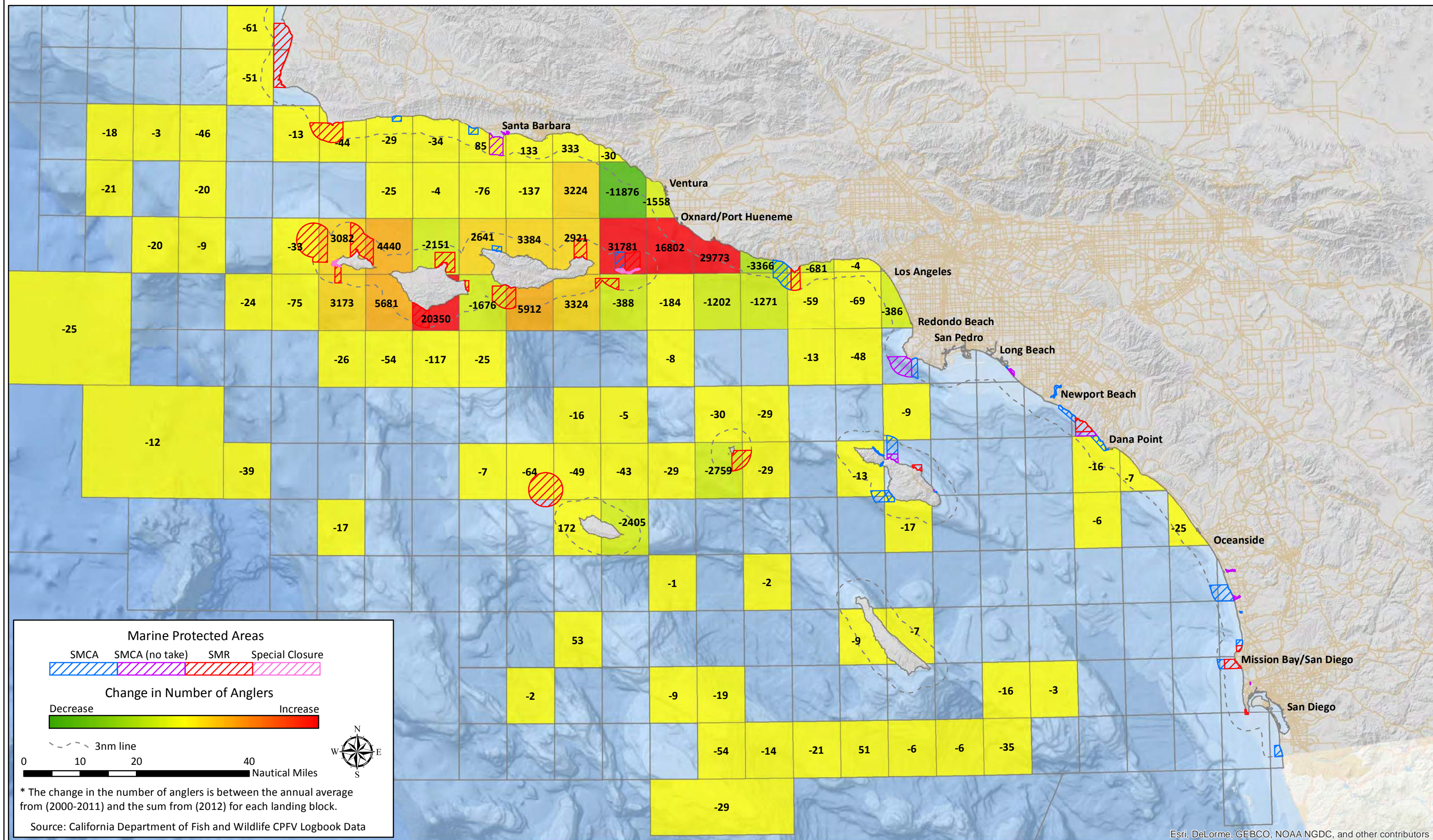
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Ventura – Number of Anglers Targeting Rockfish



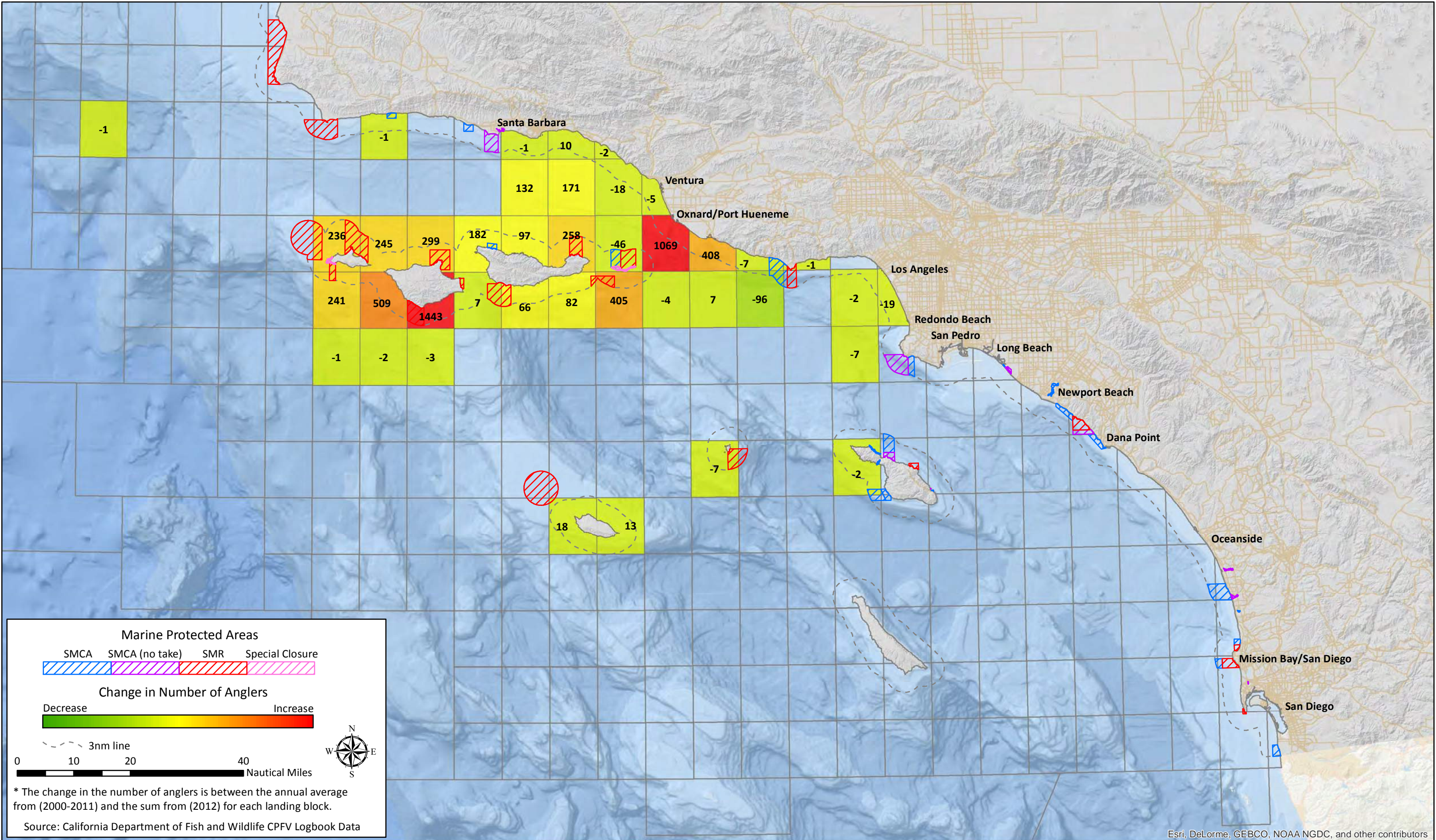
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Oxnard/Port Hueneme – Number of Anglers Targeting All Fisheries



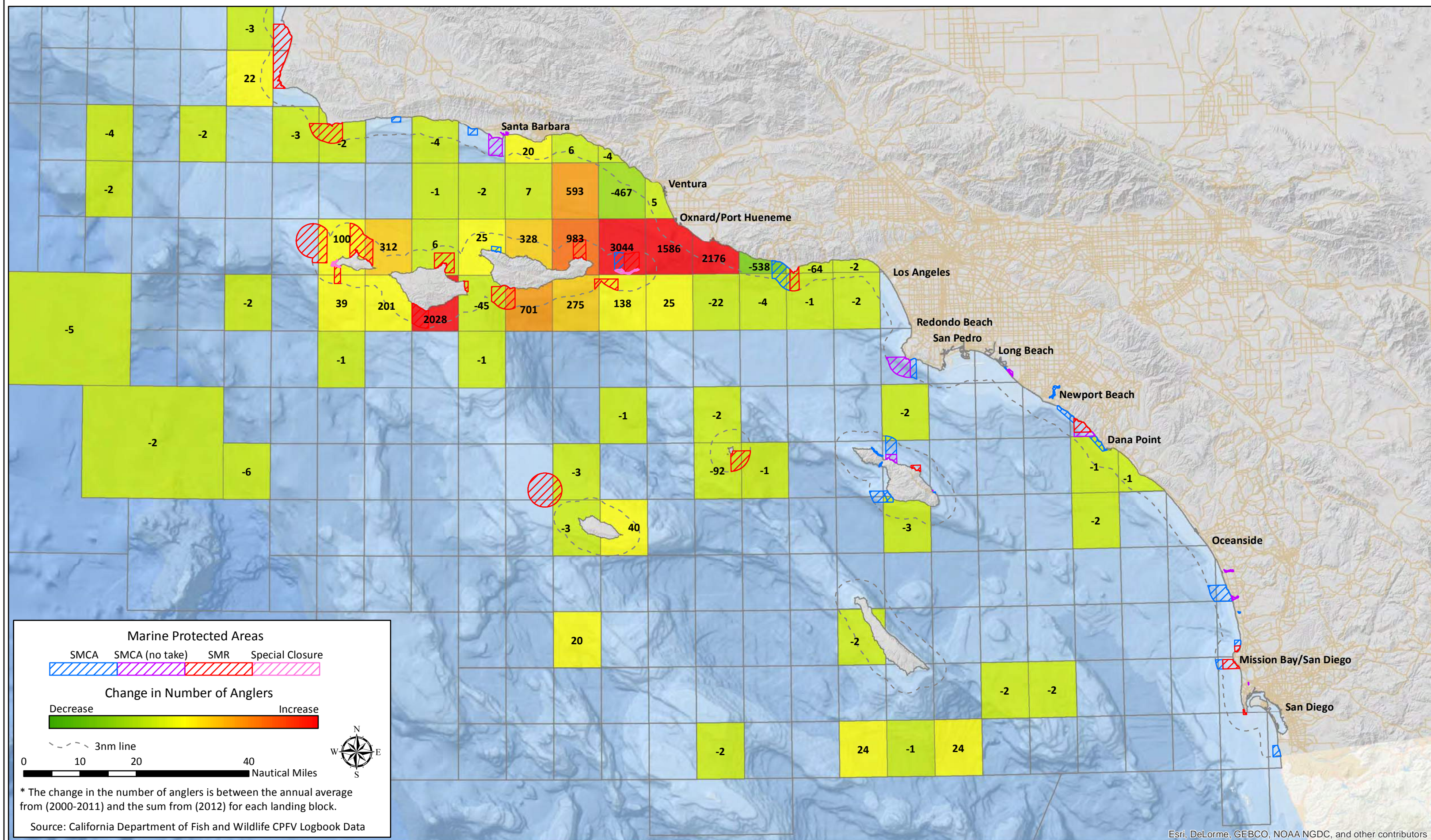
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Oxnard/Port Hueneme – Number of Anglers Targeting Lingcod



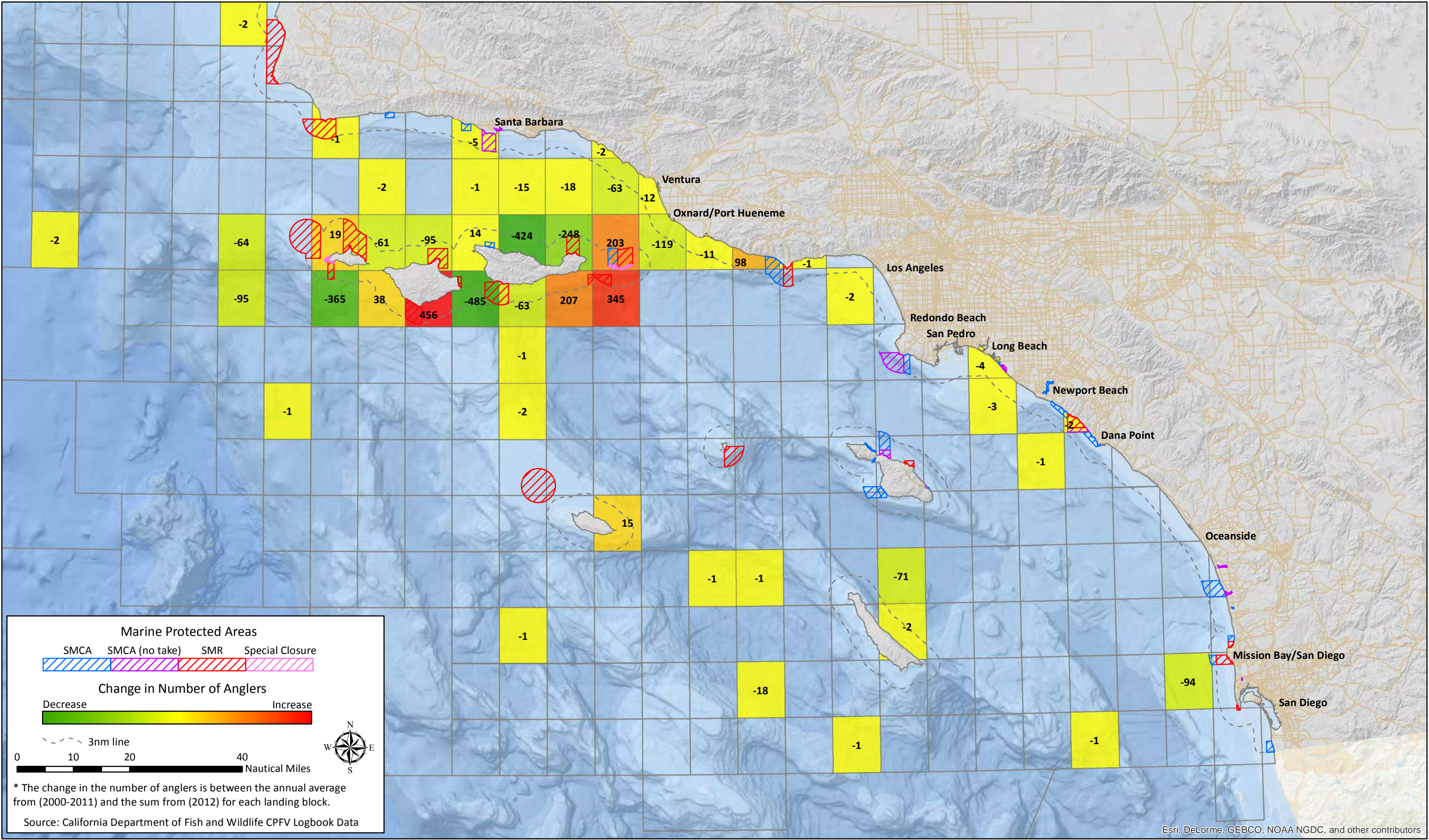
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Oxnard/Port Hueneme – Number of Anglers Targeting Miscellaneous Coastal Fish



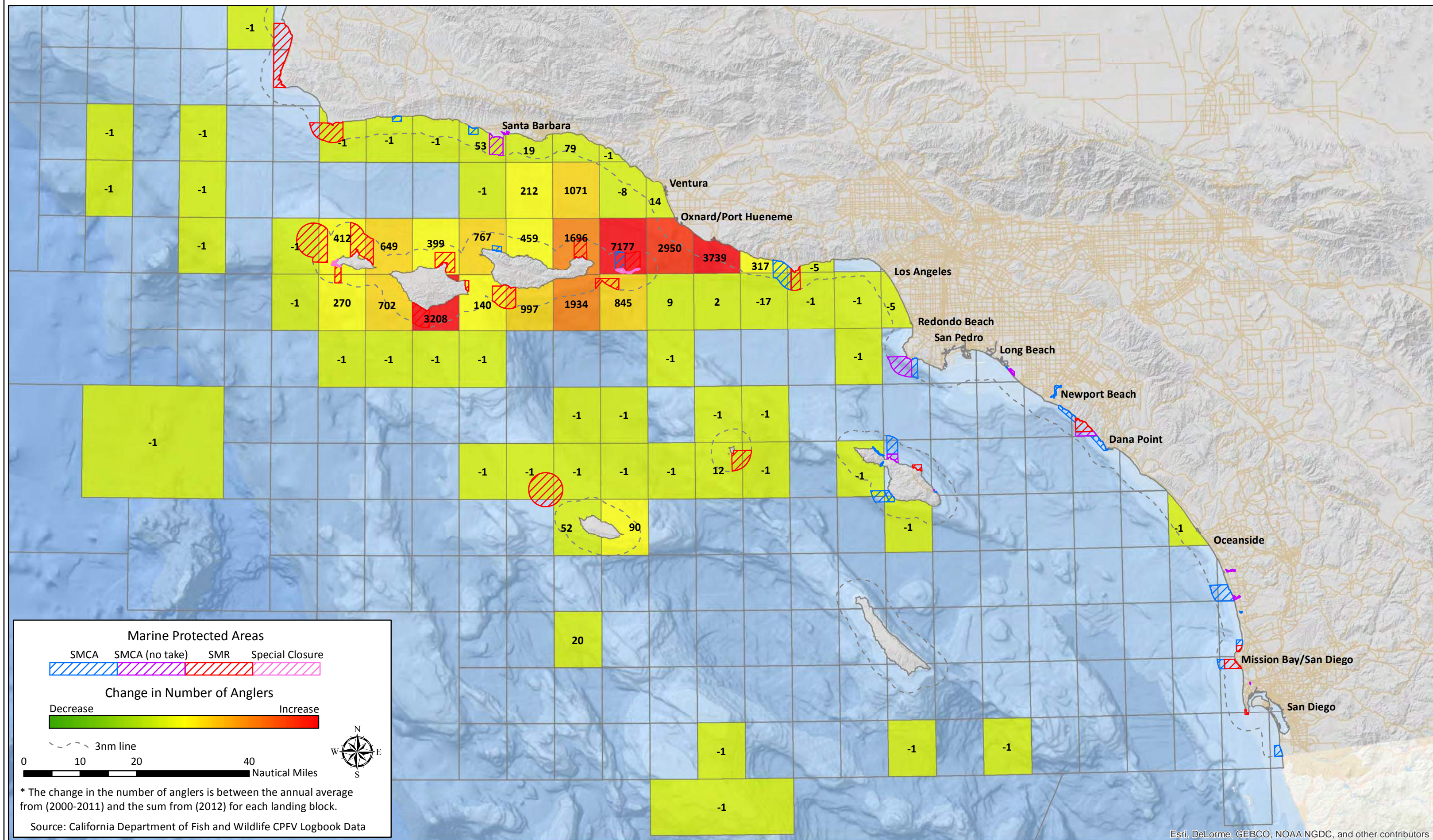
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Pre MPA (2000-2011) to Post MPA (2012) – Oxnard/Port Hueneme – Number of Anglers Targeting Miscellaneous Offshore Fish



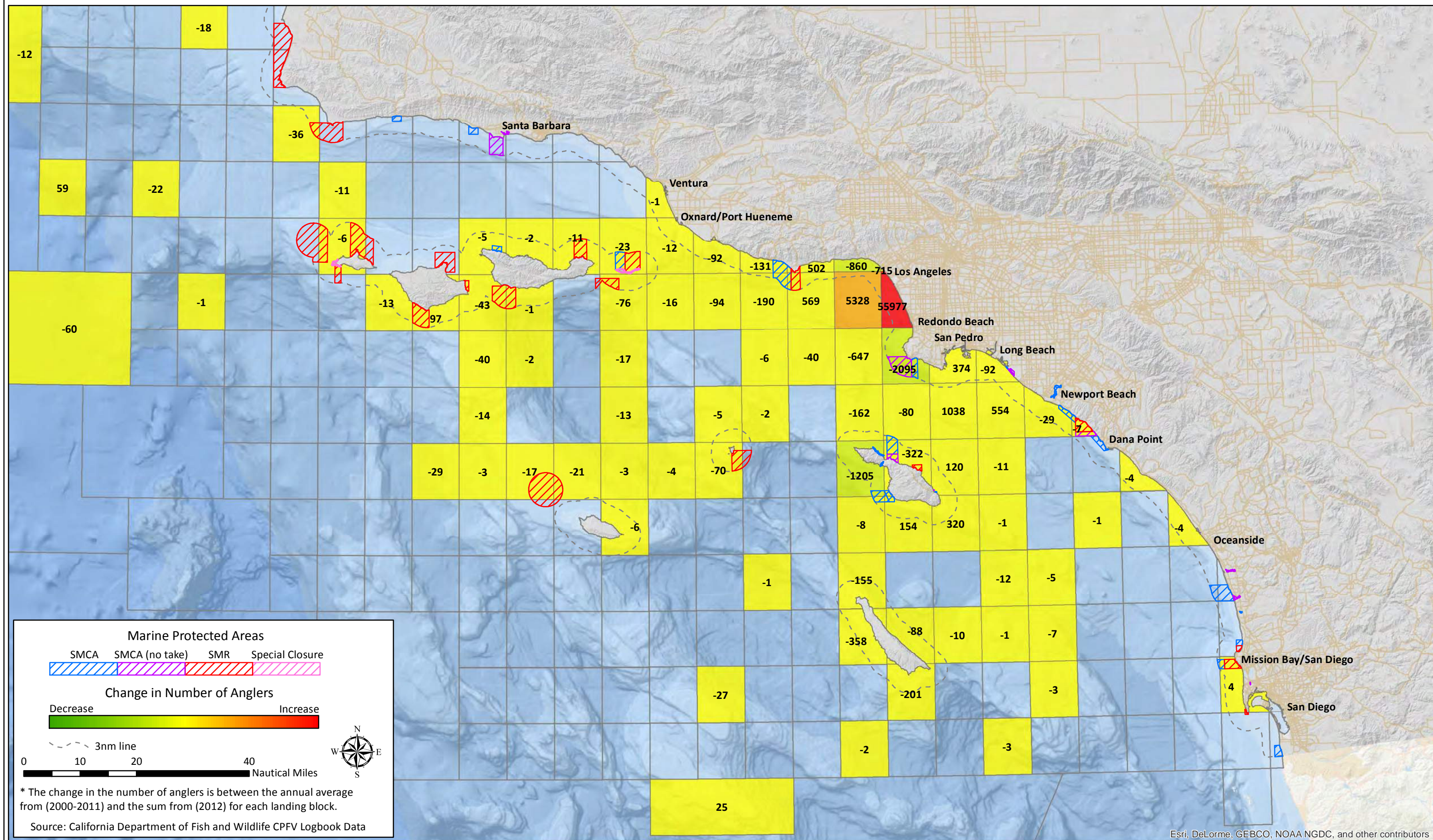
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Oxnard/Port Hueneme – Number of Anglers Targeting Rockfish



California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

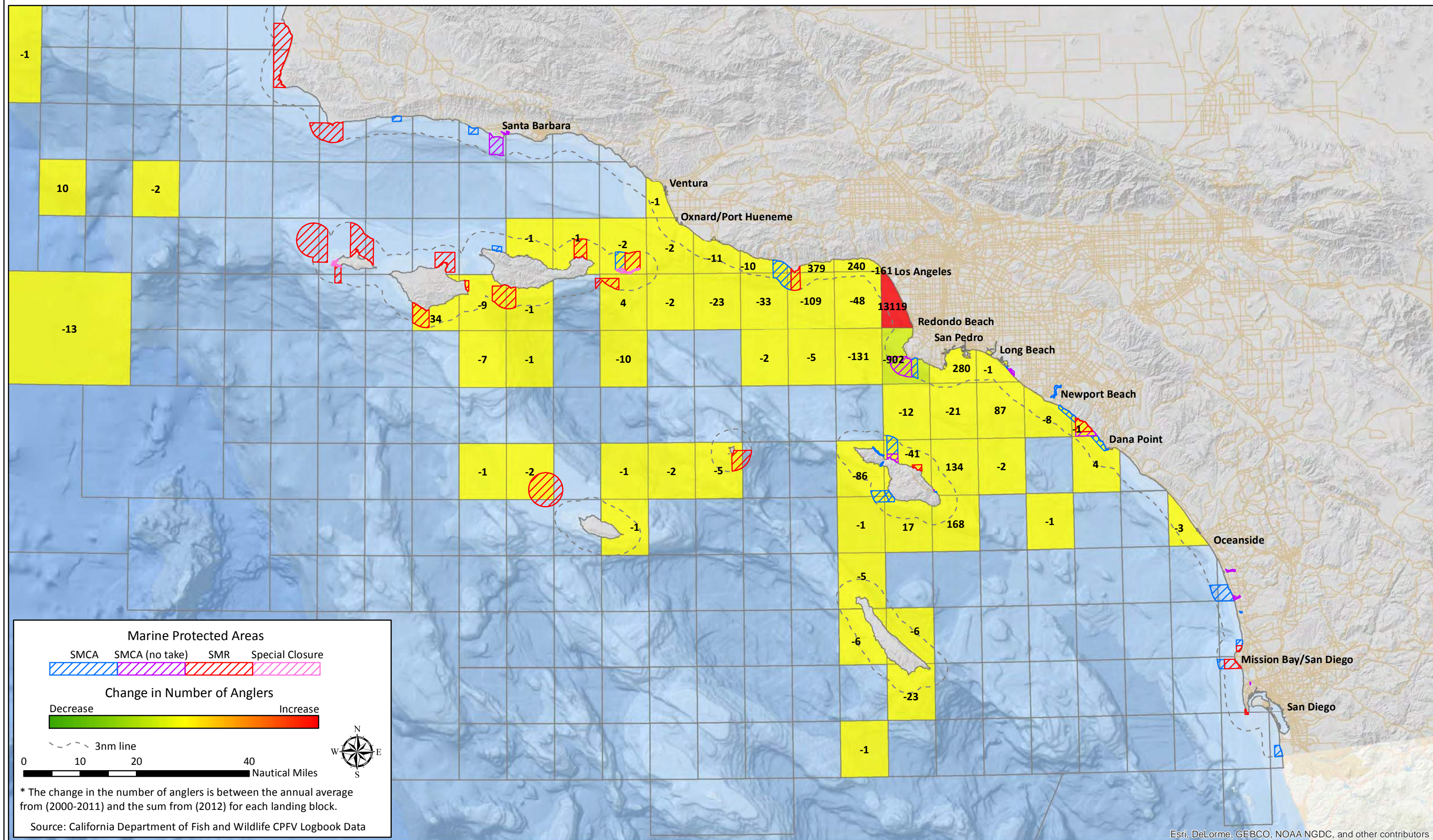
Pre MPA (2000-2011) to Post MPA (2012) – Los Angeles – Number of Anglers Targeting All Fisheries



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

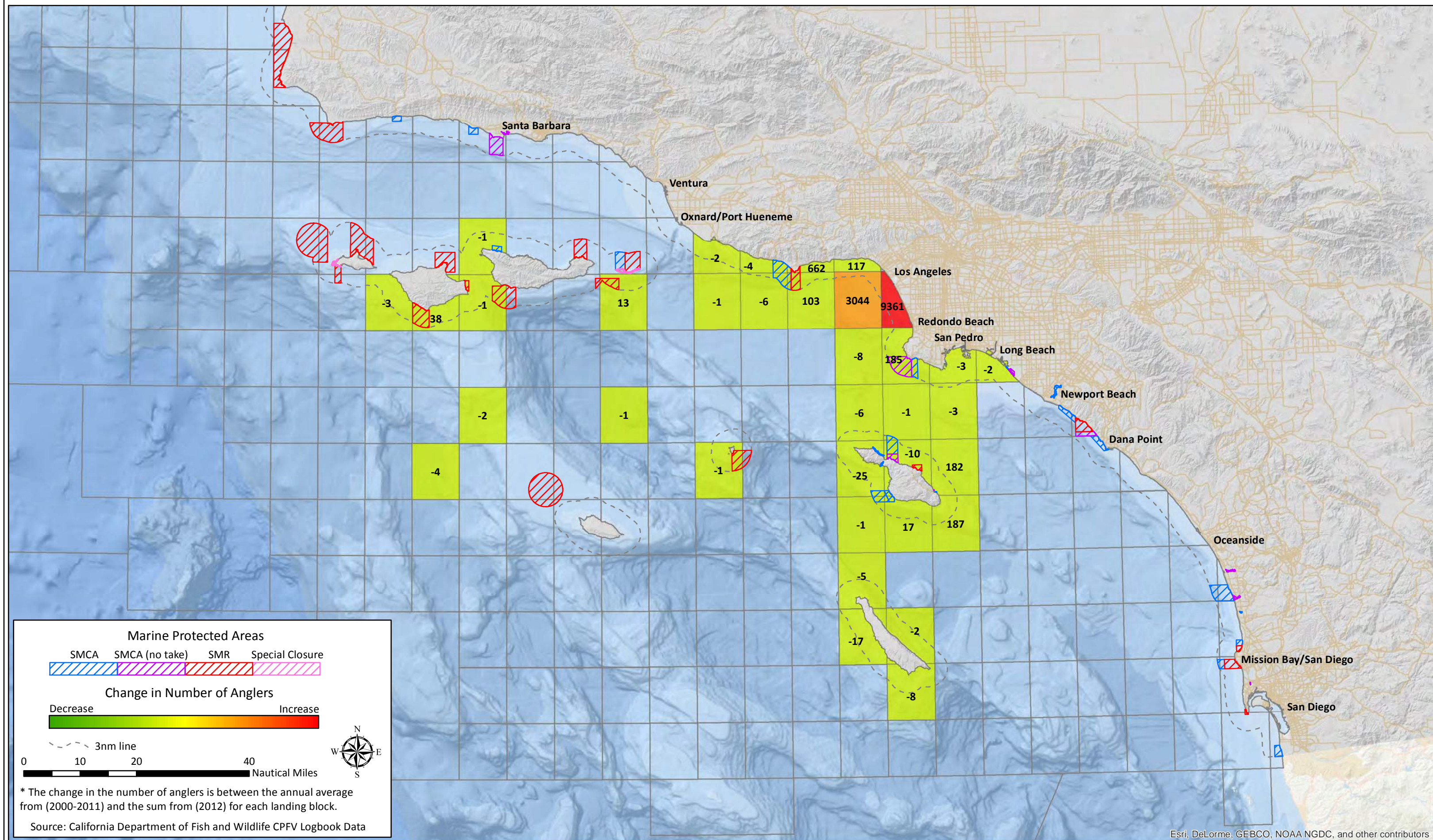
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Los Angeles – Number of Anglers Targeting Miscellaneous Coastal Fish



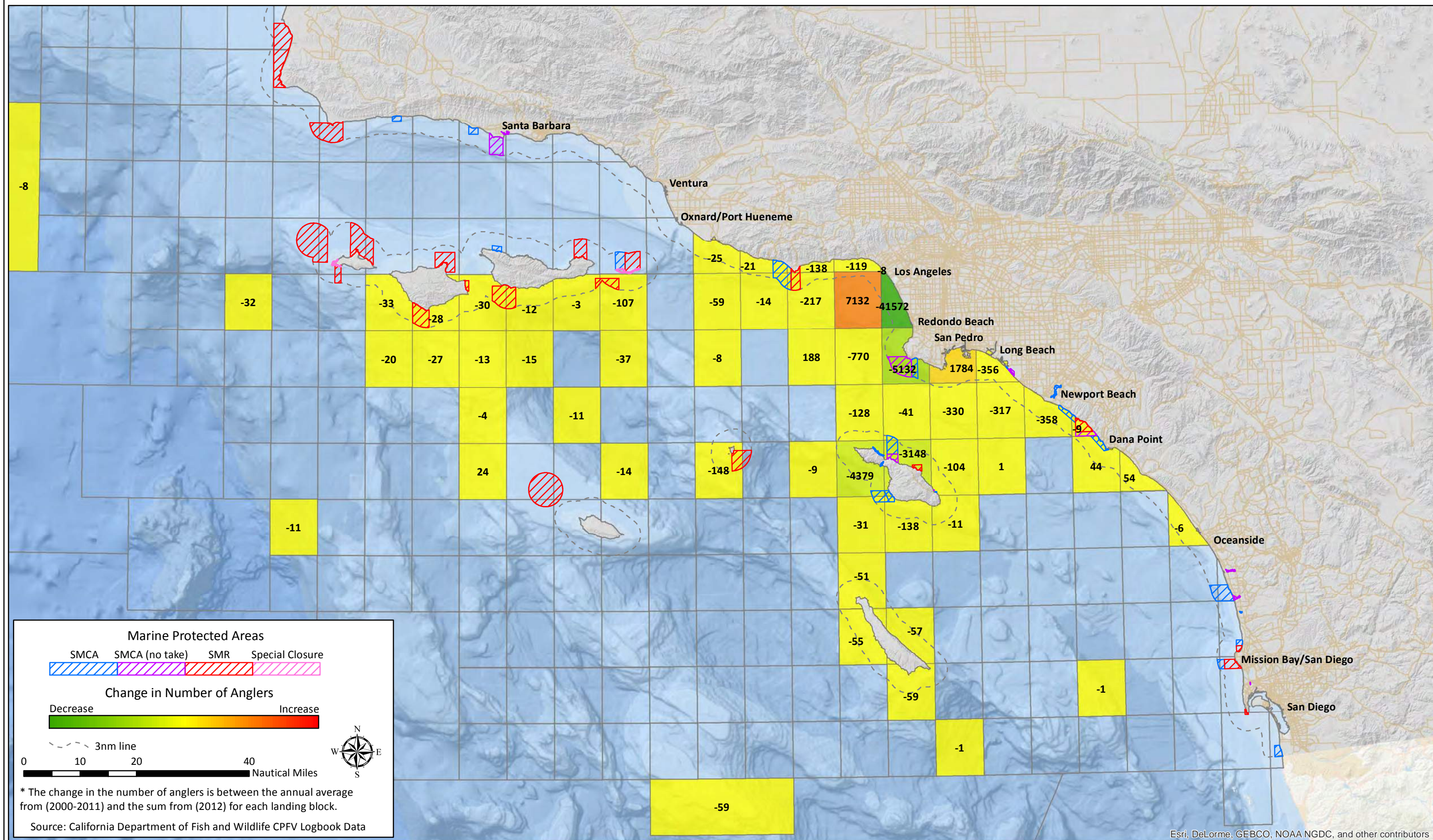
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Los Angeles – Number of Anglers Targeting Rockfish



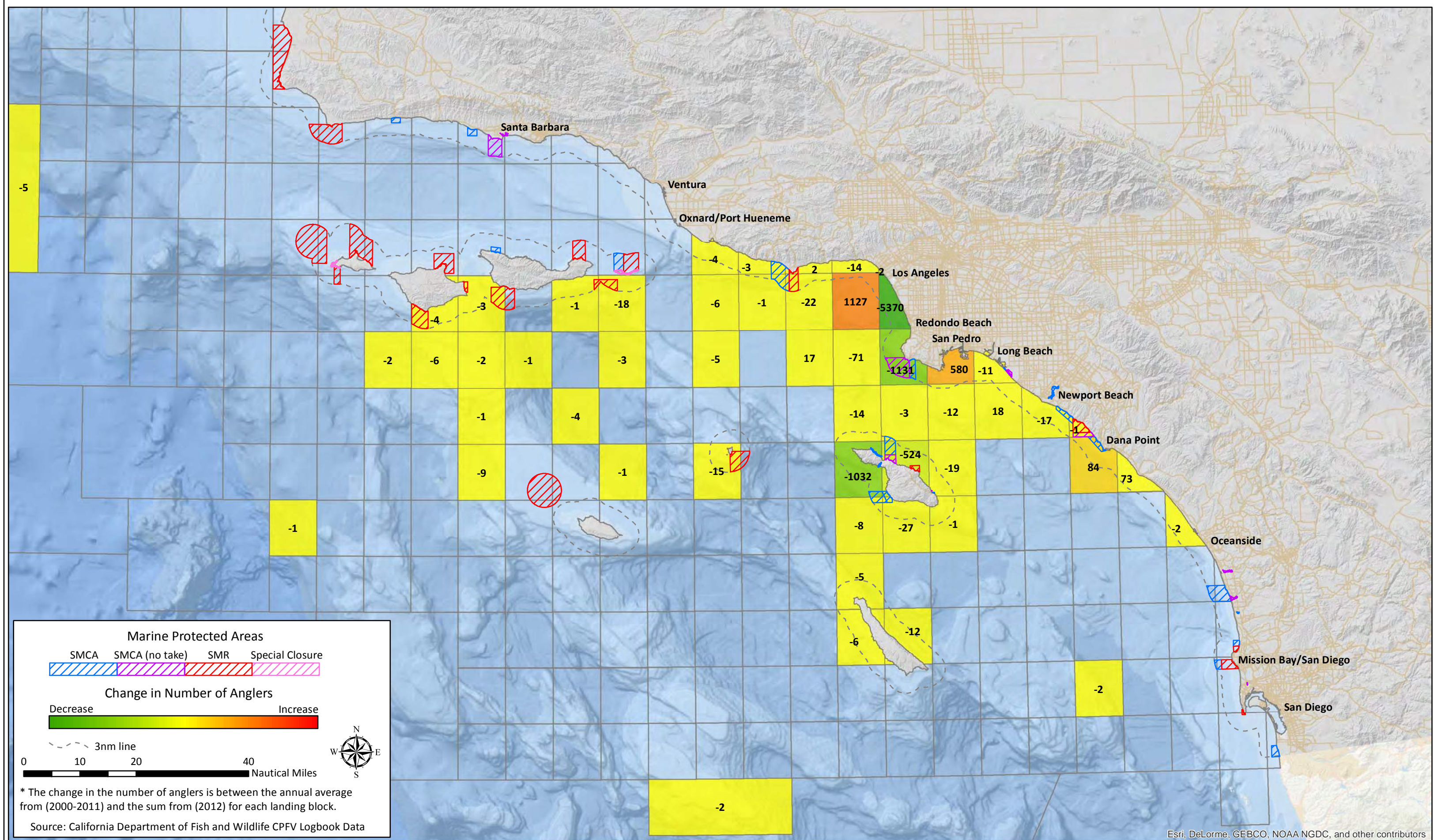
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Redondo Beach – Number of Anglers Targeting All Fisheries



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

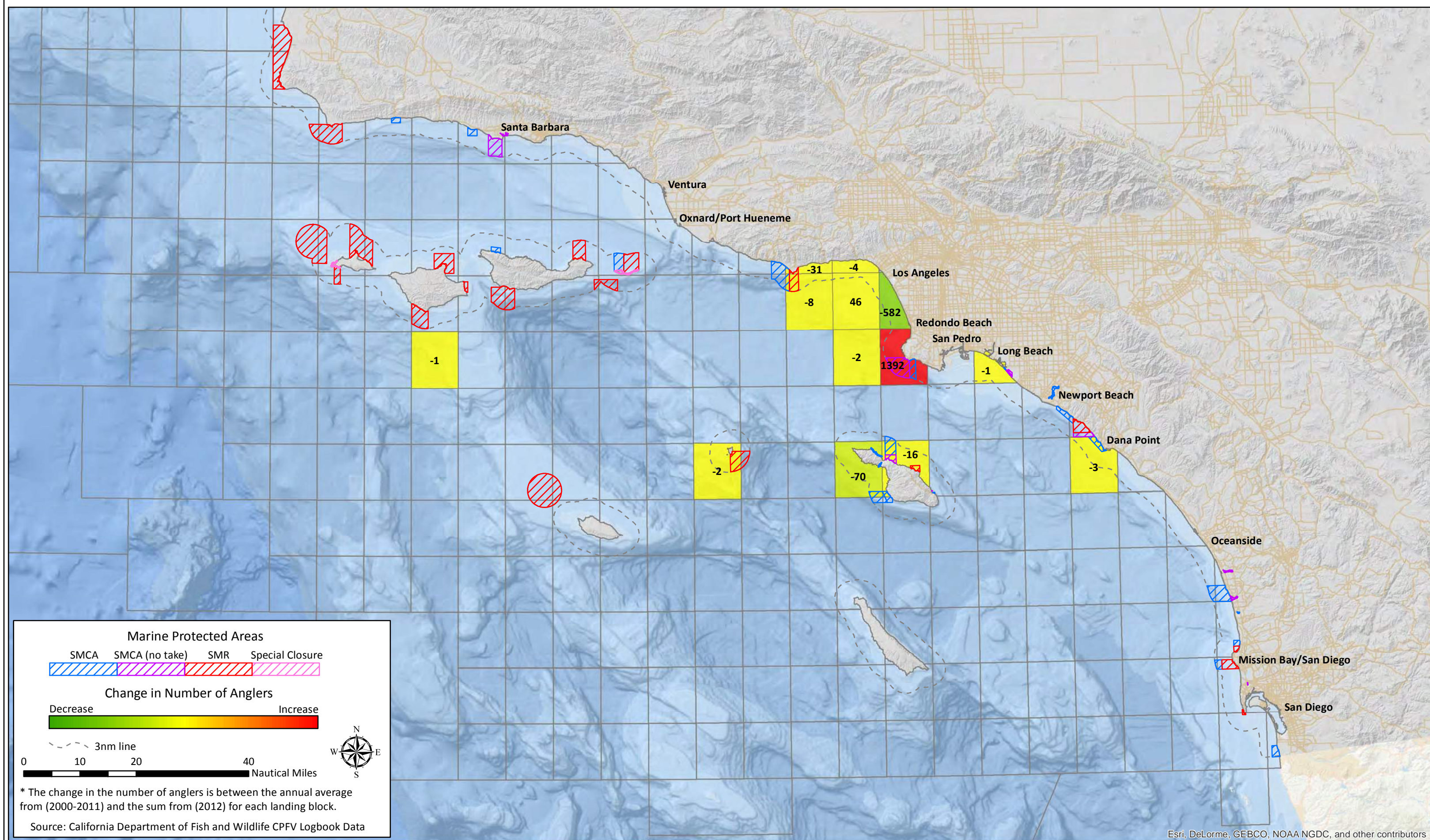
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis* Pre MPA (2000-2011) to Post MPA (2012) – Redondo Beach – Number of Anglers Targeting Miscellaneous Coastal Fish



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

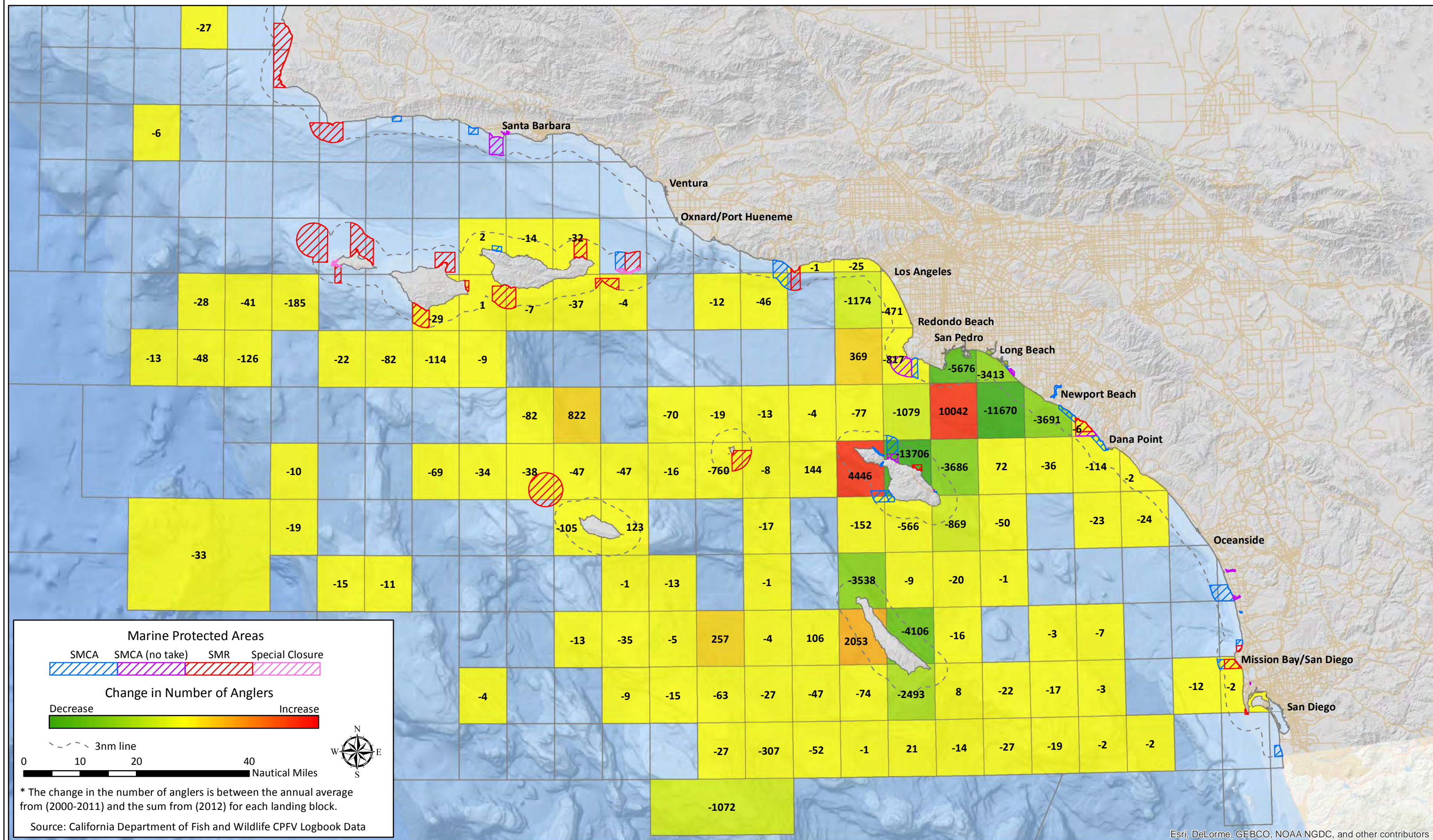
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Redondo Beach – Number of Anglers Targeting Rockfish



California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

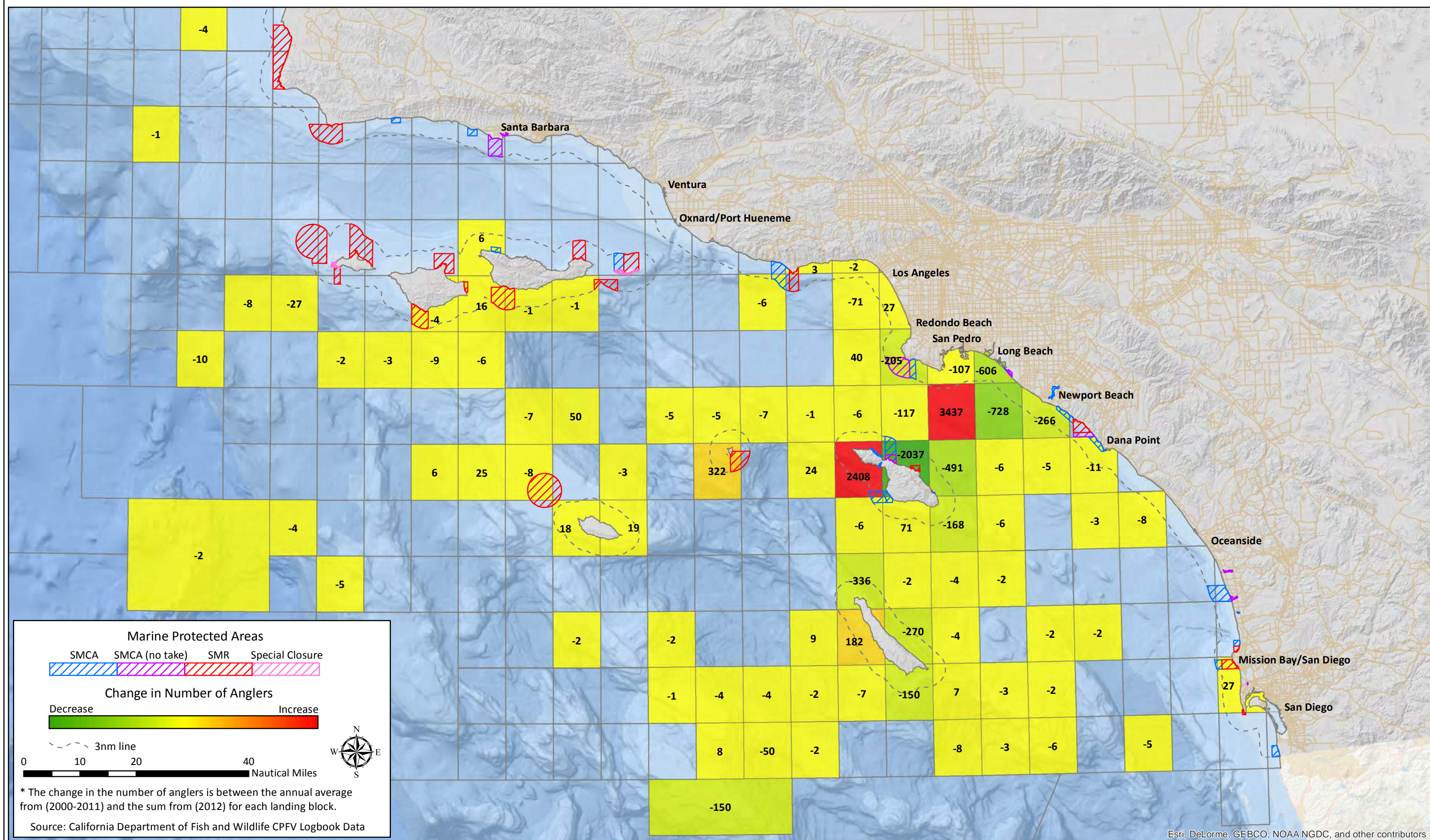
Pre MPA (2000-2011) to Post MPA (2012) – San Pedro – Number of Anglers Targeting All Fisheries



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

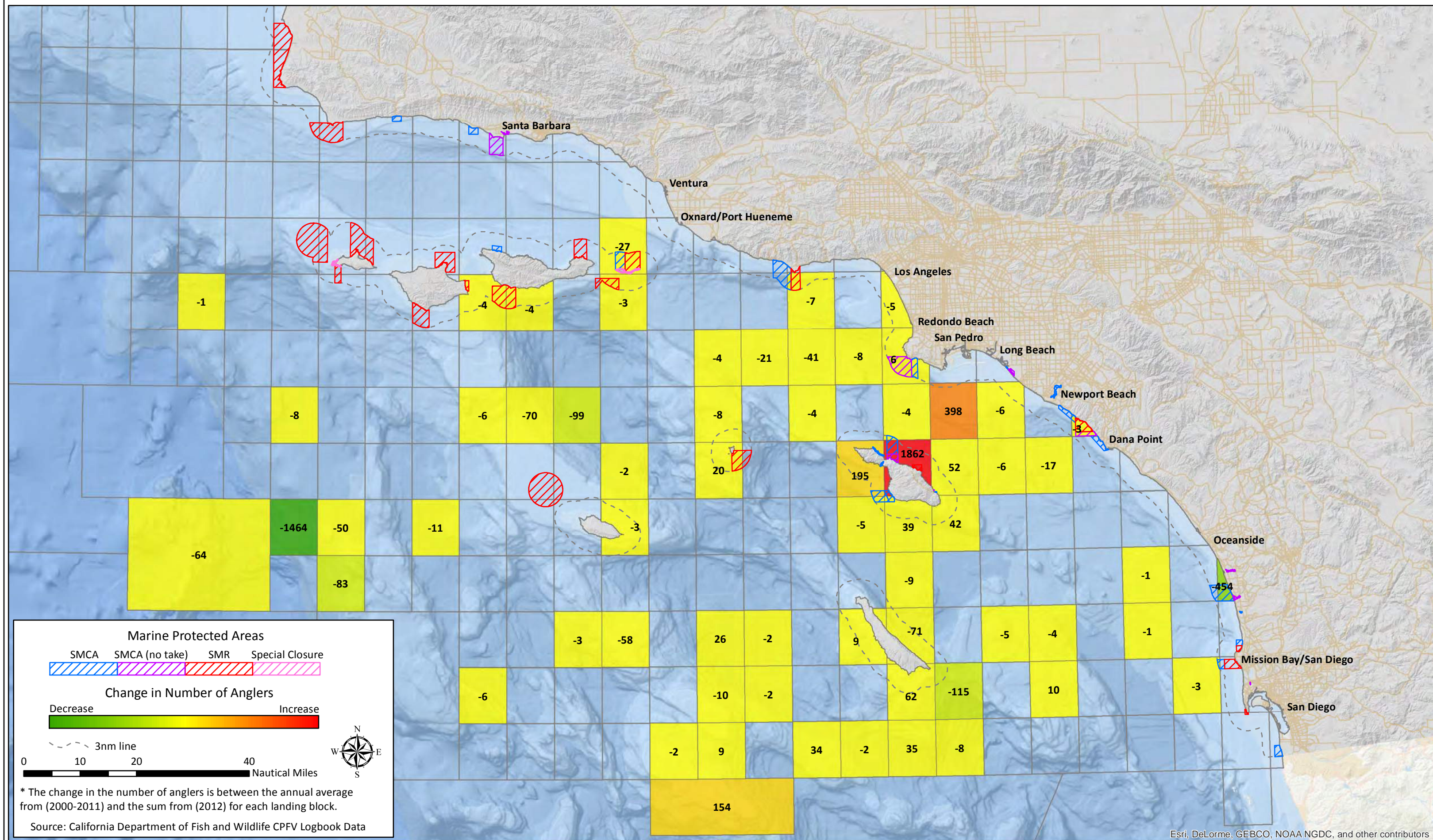
Pre MPA (2000-2011) to Post MPA (2012) – San Pedro – Number of Anglers Targeting Miscellaneous Coastal Fish



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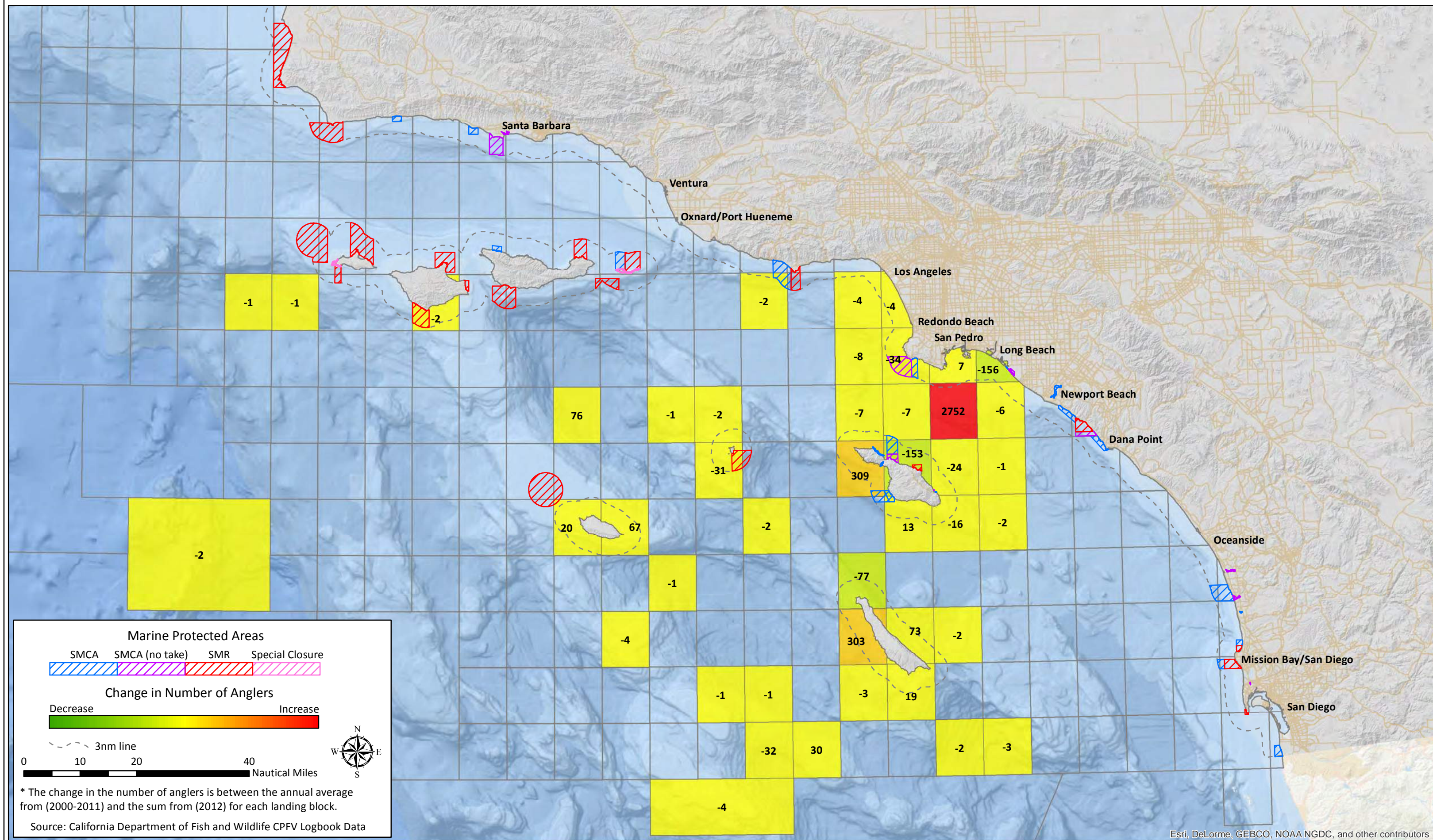
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – San Pedro – Number of Anglers Targeting Miscellaneous Offshore Fish



California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

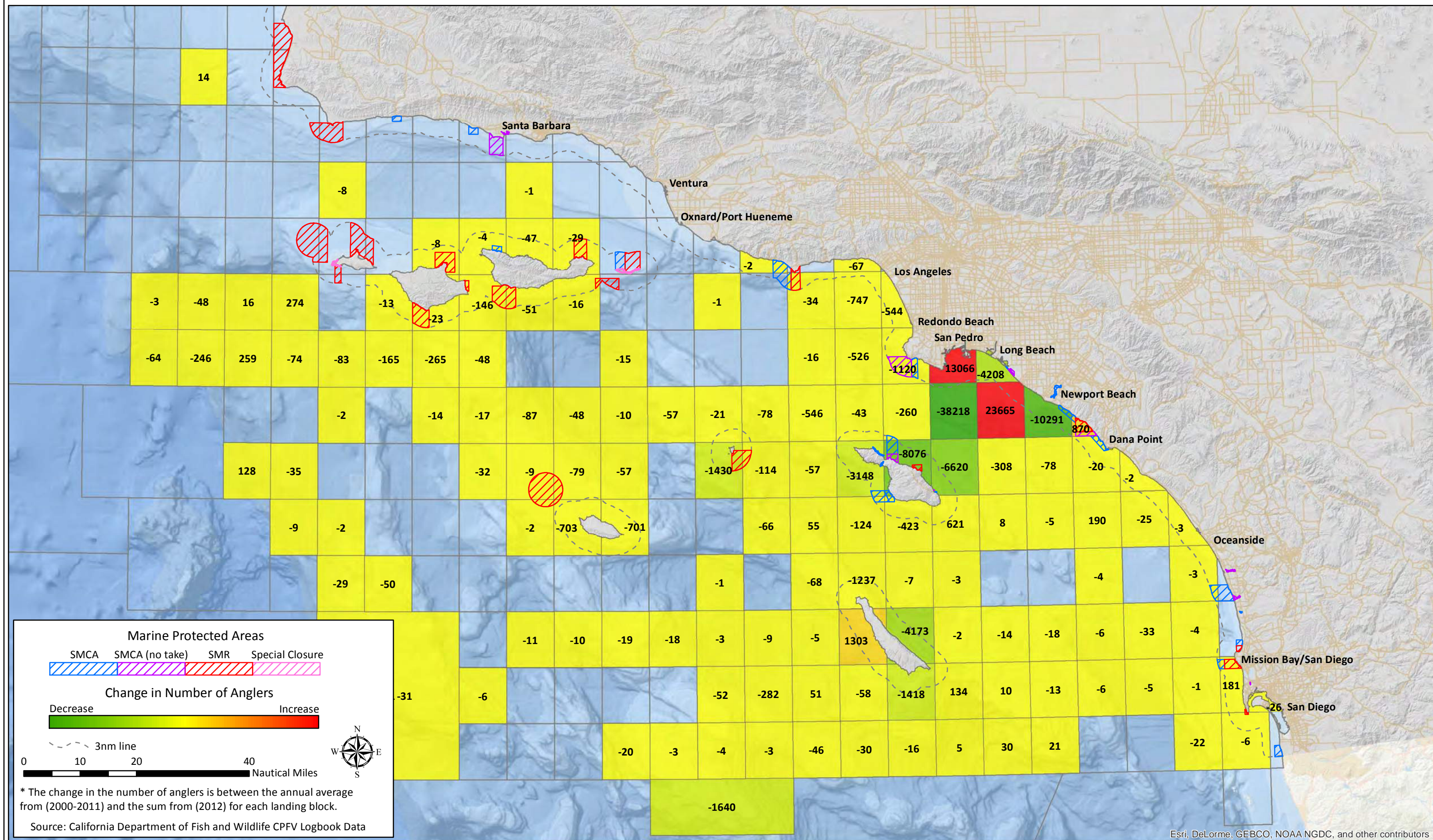
Pre MPA (2000-2011) to Post MPA (2012) – San Pedro – Number of Anglers Targeting Rockfish



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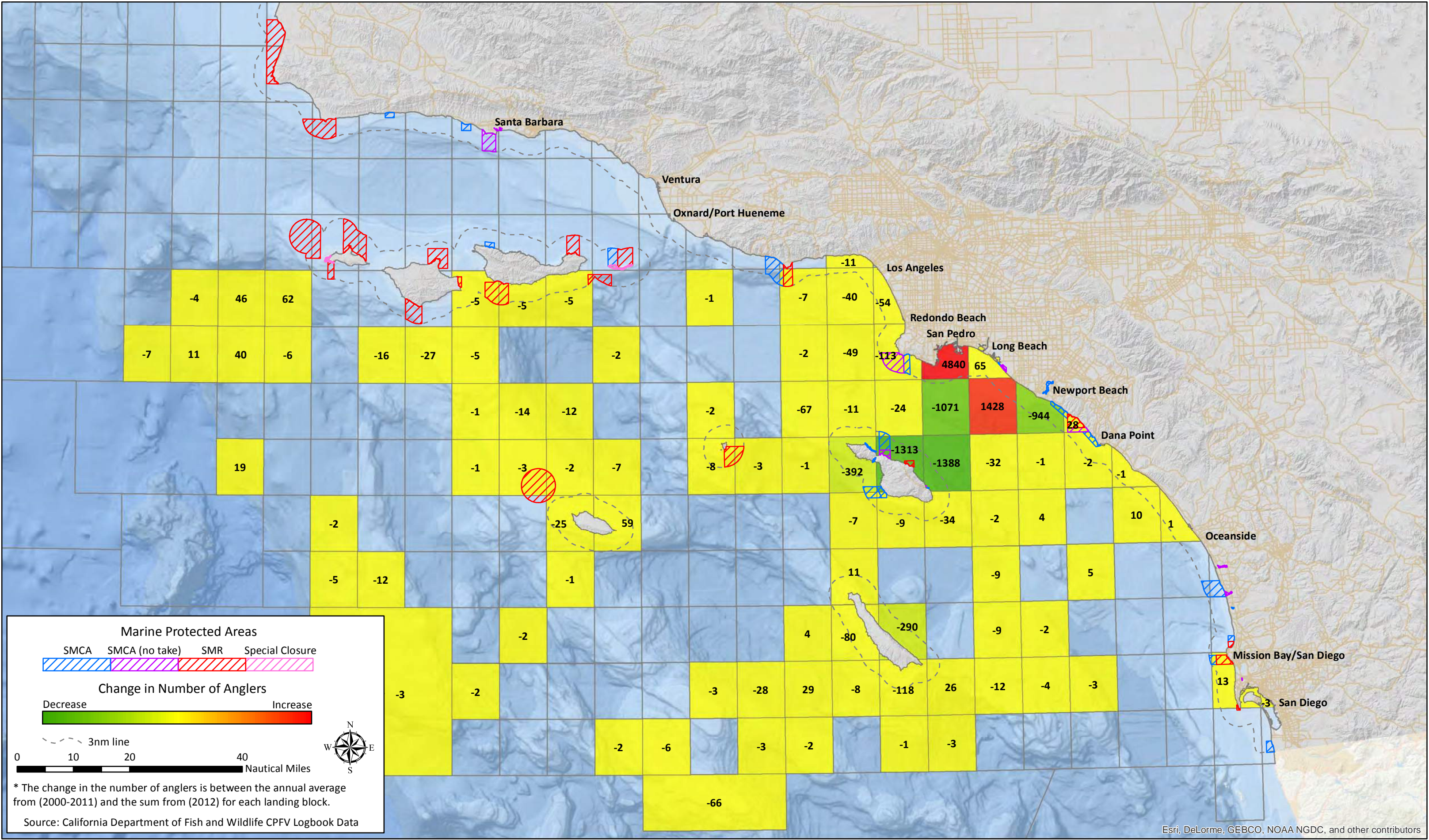
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Long Beach – Number of Anglers Targeting All Fisheries



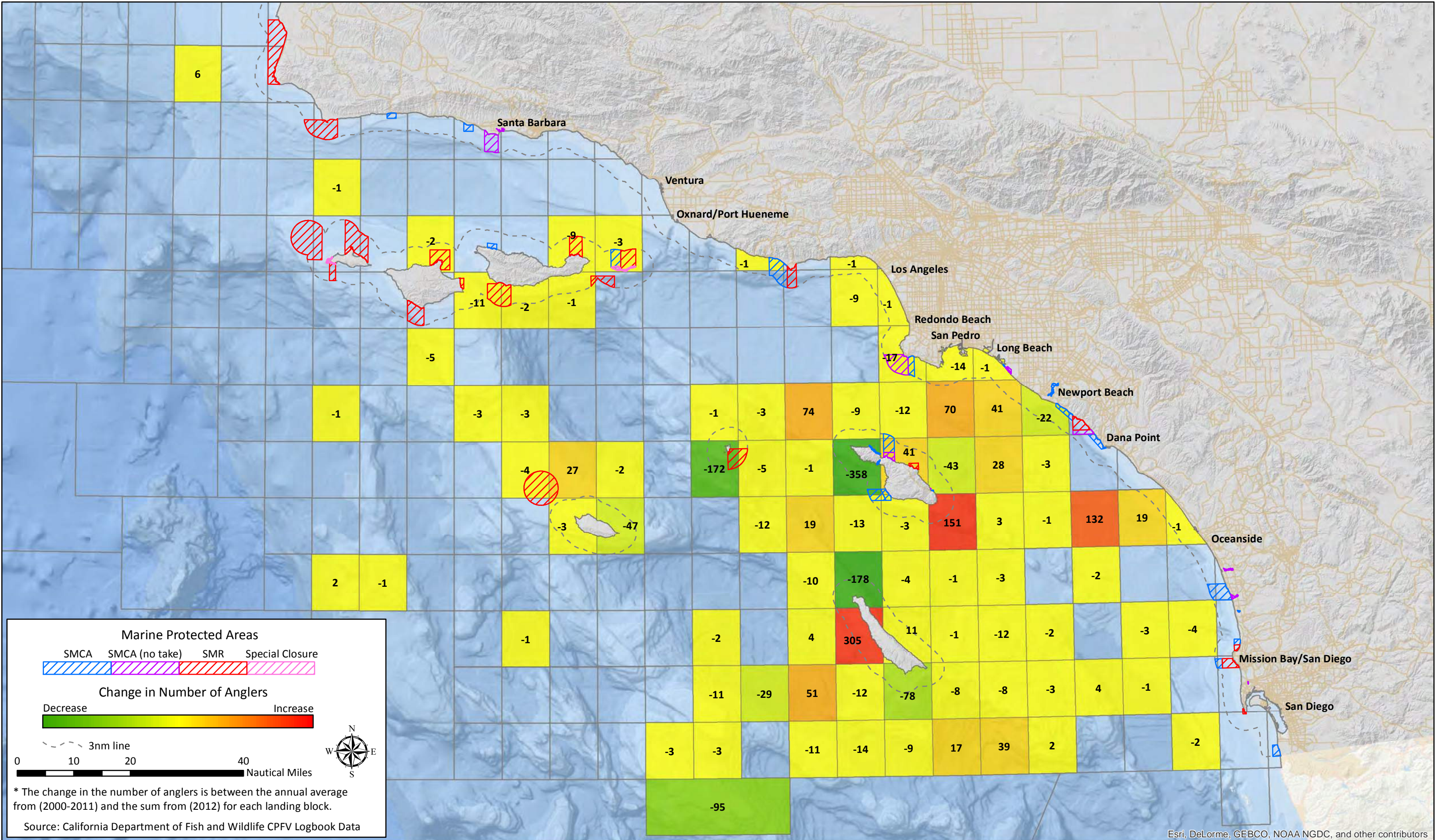
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Long Beach – Number of Anglers Targeting Miscellaneous Coastal Fish



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

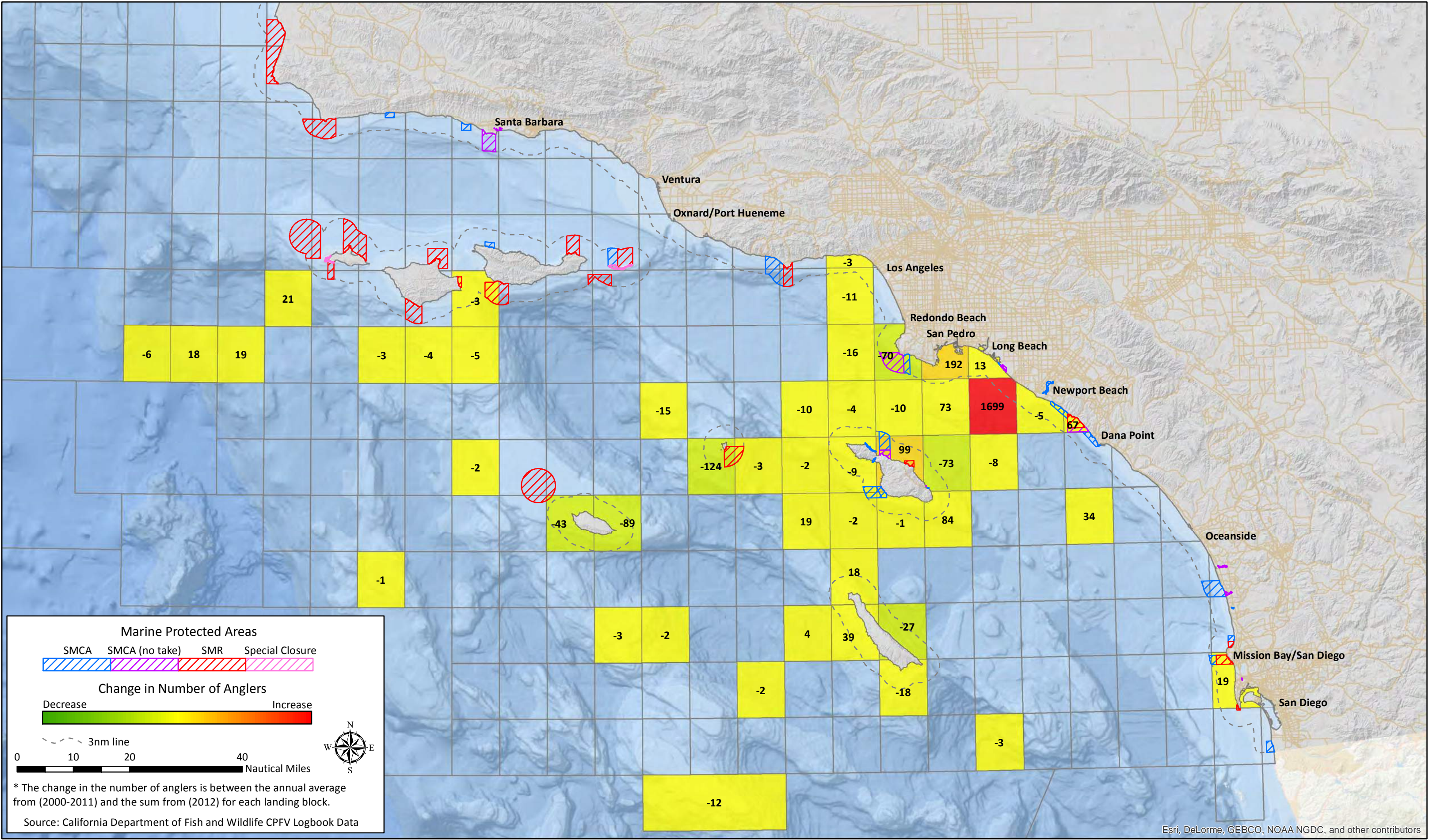
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis* Pre MPA (2000-2011) to Post MPA (2012) – Long Beach – Number of Anglers Targeting Miscellaneous Offshore Fish



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California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

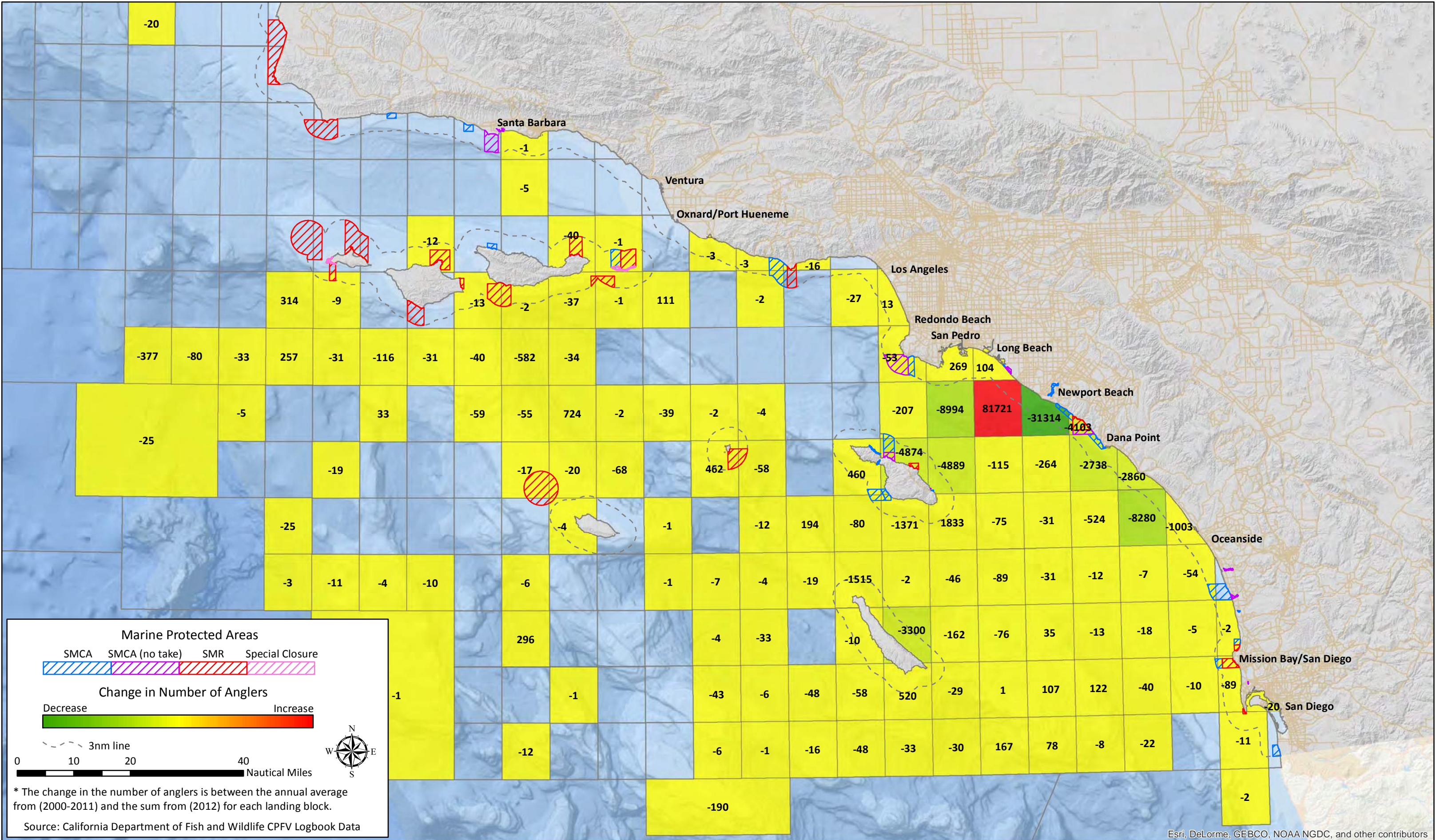
Pre MPA (2000-2011) to Post MPA (2012) – Long Beach – Number of Anglers Targeting Rockfish



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

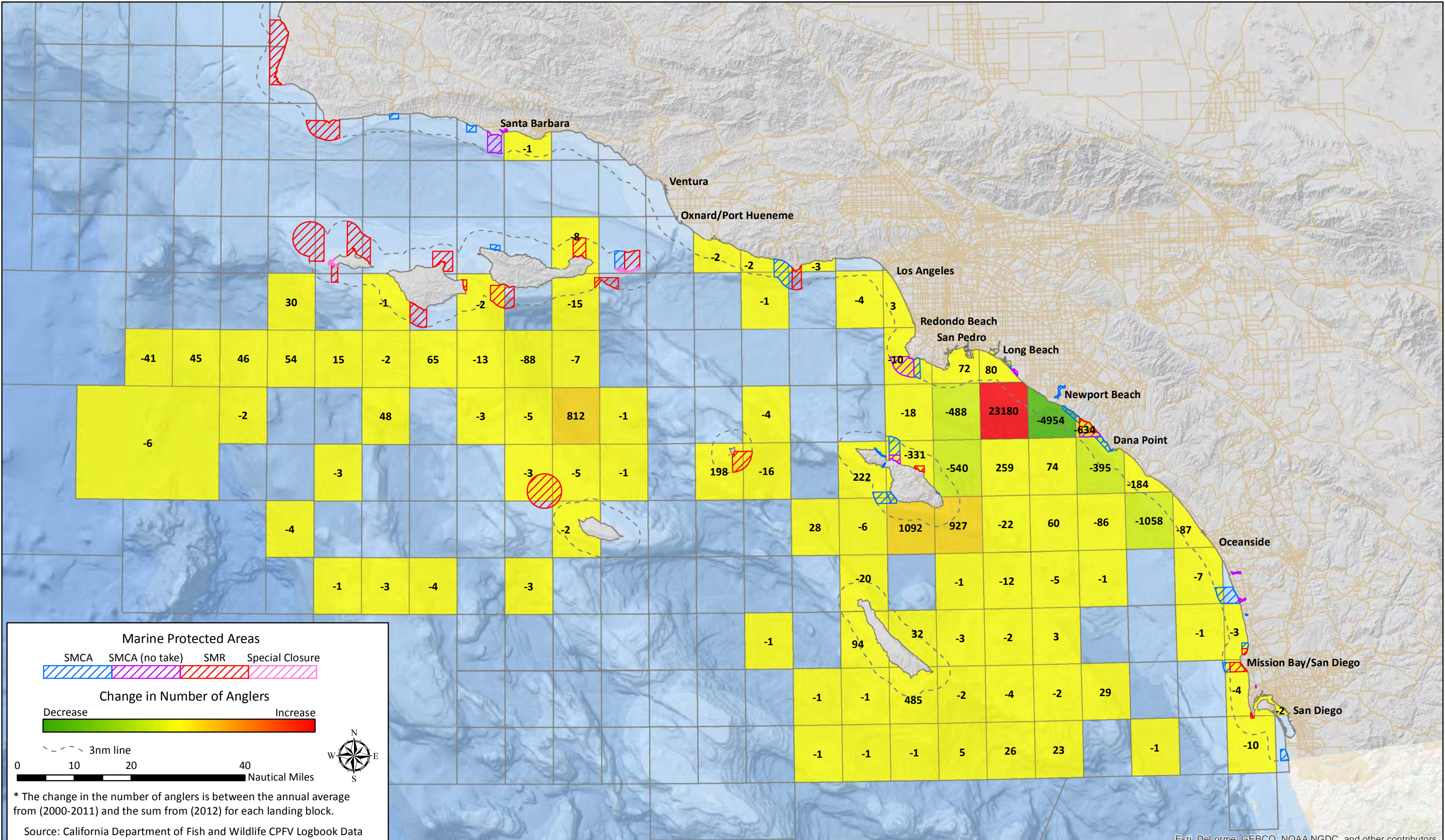
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Newport Beach – Number of Anglers Targeting All Fisheries



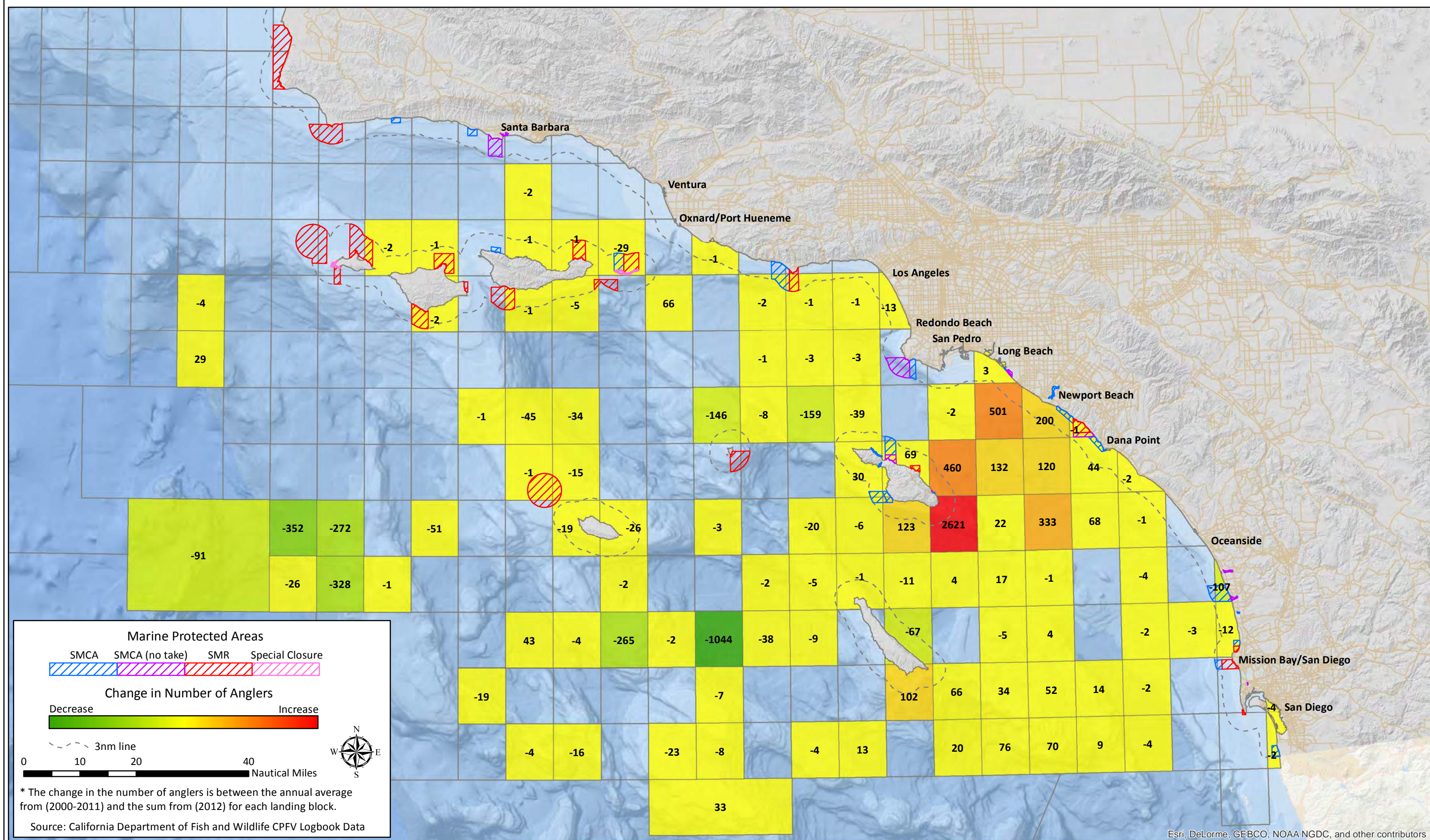
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis* Pre MPA (2000-2011) to Post MPA (2012) – Newport Beach – Number of Anglers Targeting Miscellaneous Coastal Fish



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

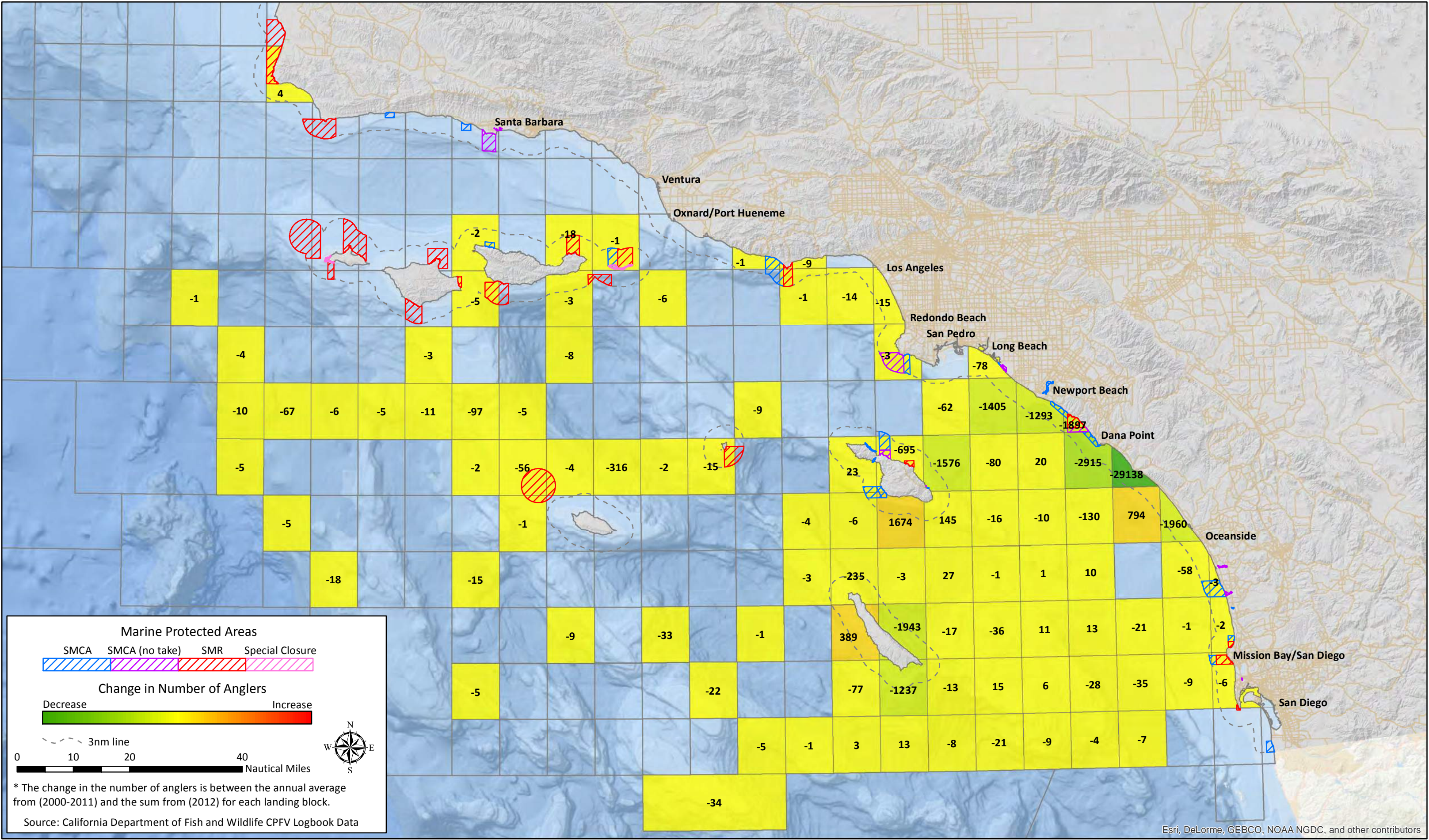
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis* Pre MPA (2000-2011) to Post MPA (2012) – Newport Beach – Number of Anglers Targeting Miscellaneous Offshore Fish



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California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

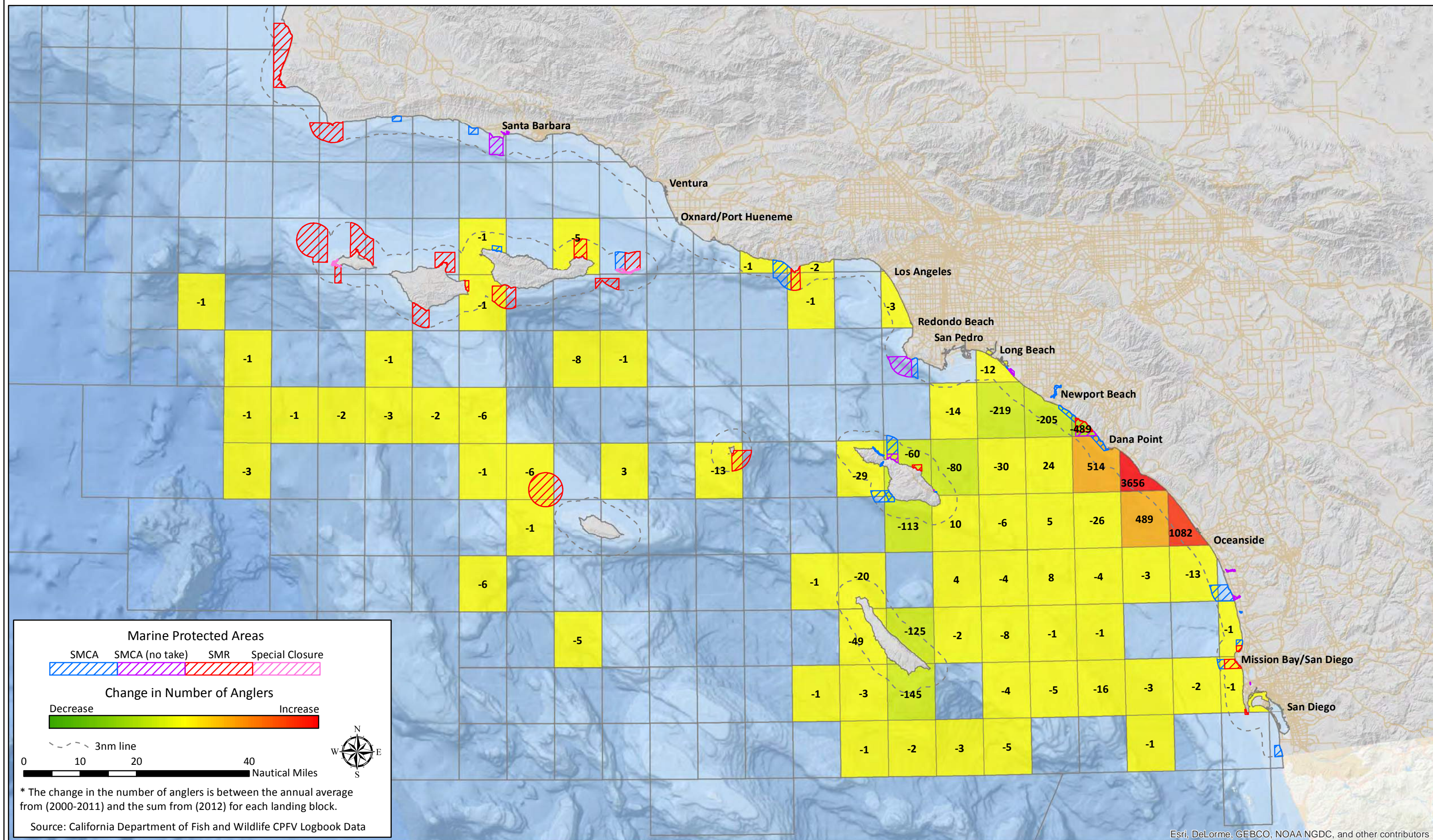
Pre MPA (2000-2011) to Post MPA (2012) – Dana Point – Number of Anglers Targeting All Fisheries



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

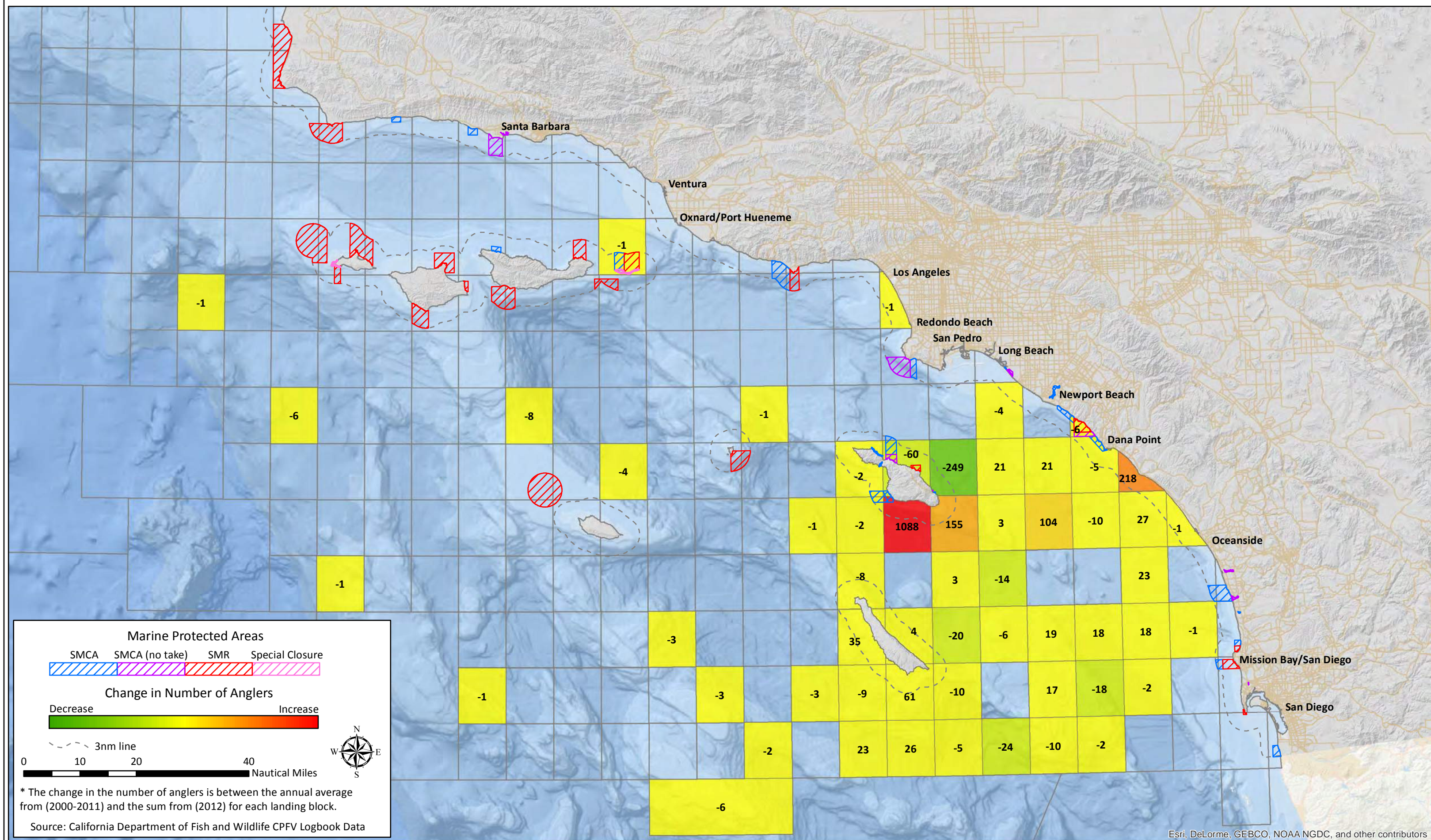
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Dana Point – Number of Anglers Targeting Miscellaneous Coastal Fish



California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

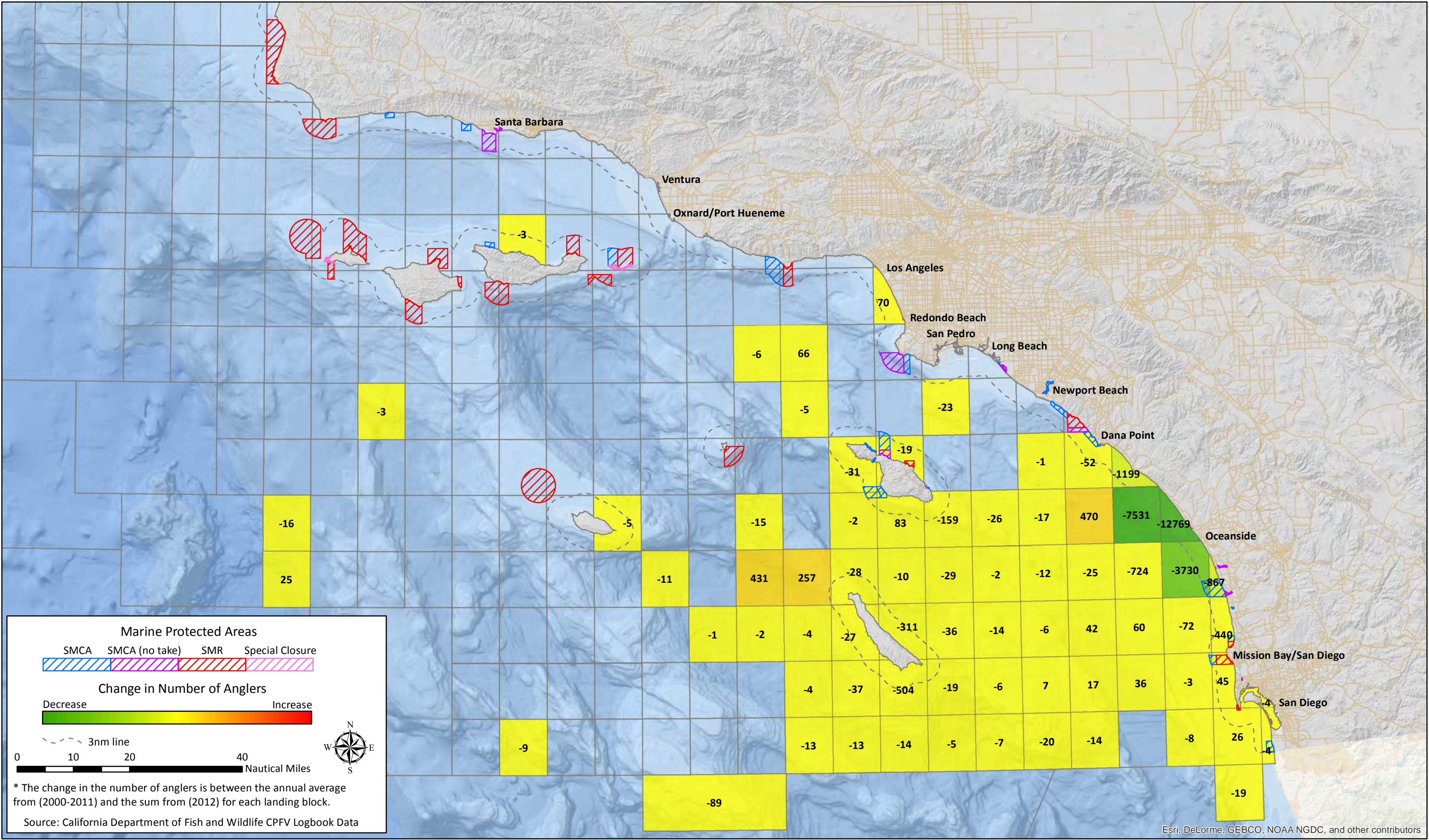
Pre MPA (2000-2011) to Post MPA (2012) – Dana Point – Number of Anglers Targeting Miscellaneous Offshore Fish



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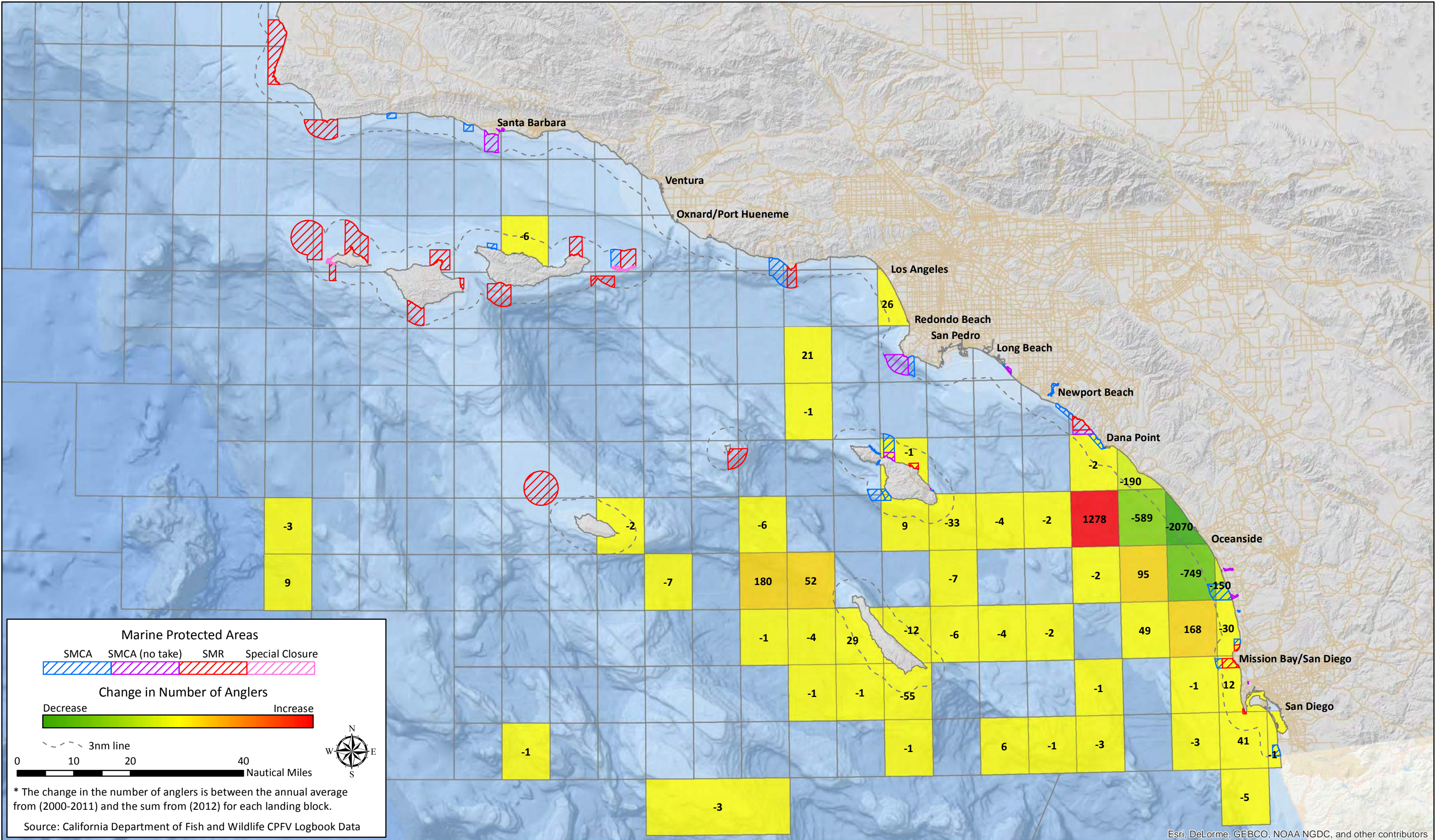
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Oceanside – Number of Anglers Targeting All Fisheries



California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

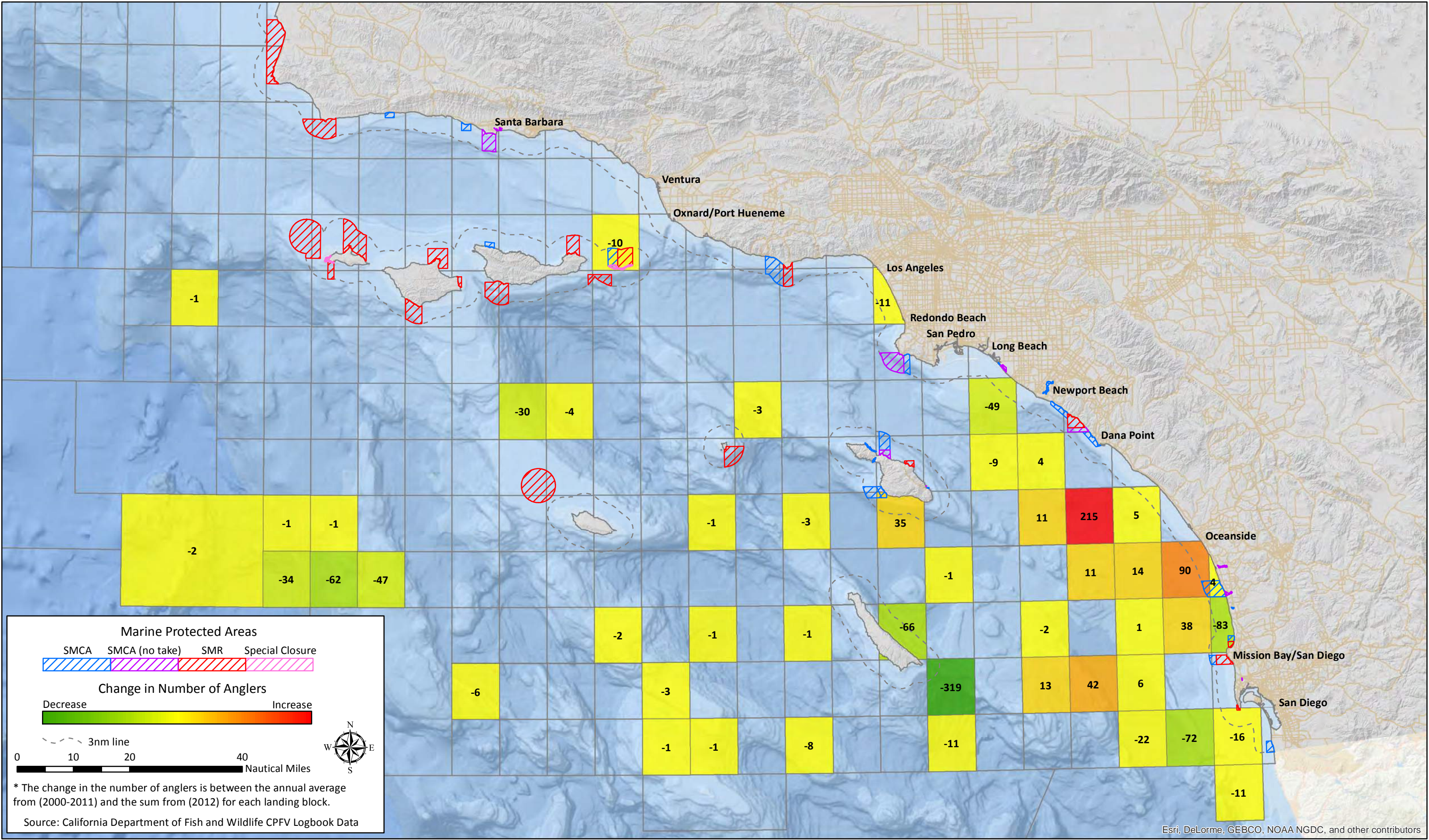
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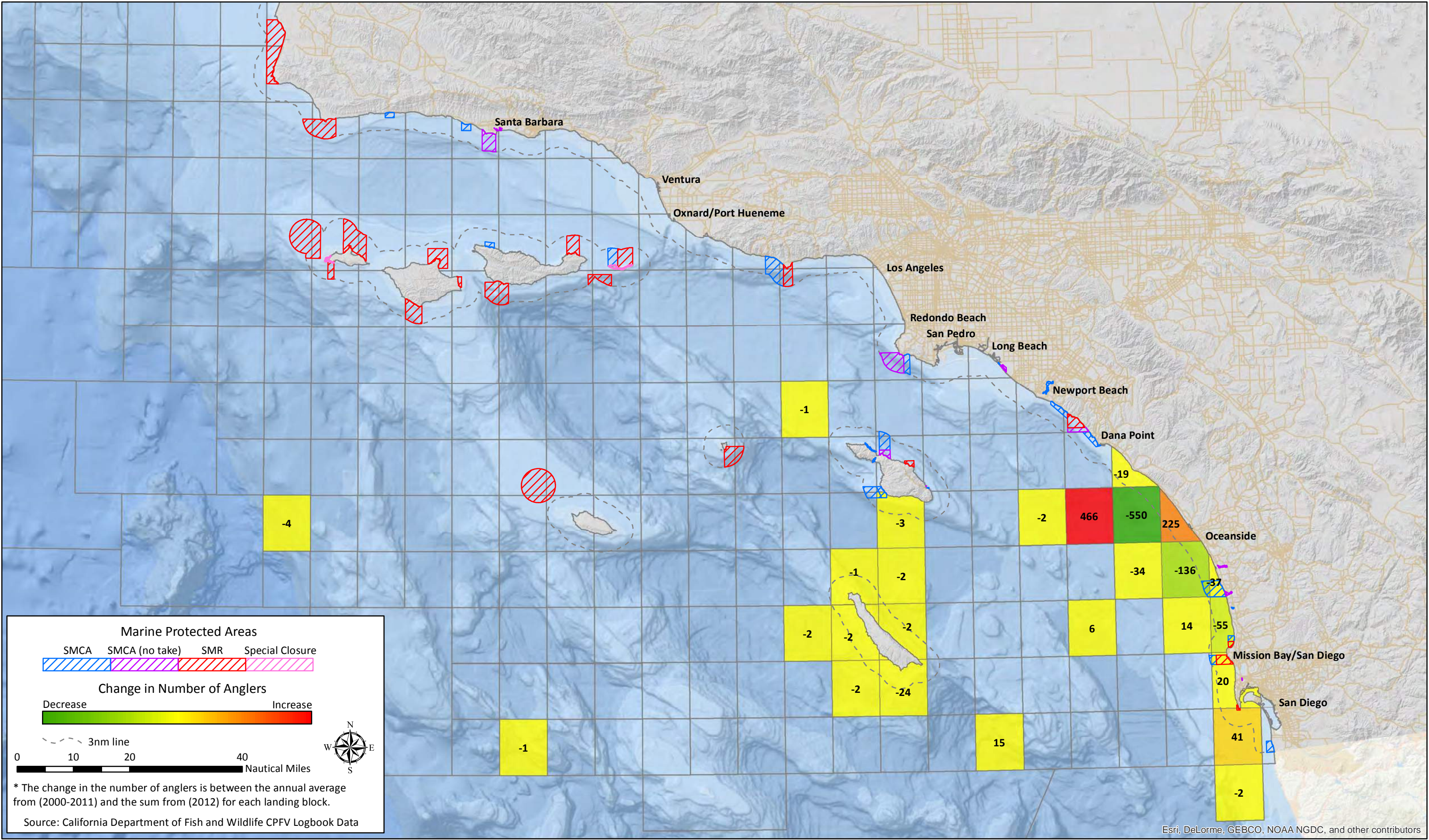
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Oceanside – Number of Anglers Targeting Miscellaneous Offshore Fish



California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

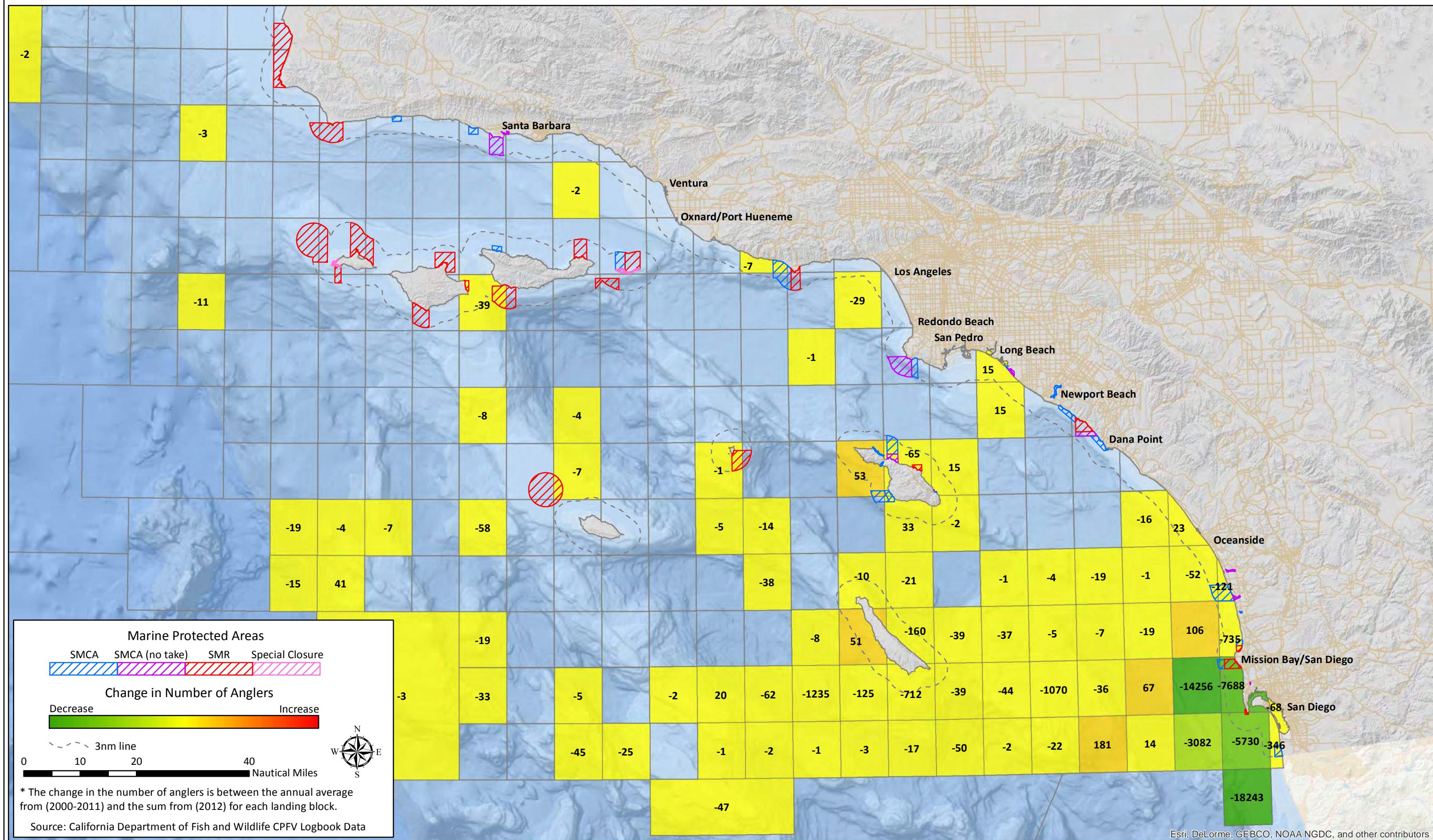
Pre MPA (2000-2011) to Post MPA (2012) – Oceanside – Number of Anglers Targeting Rockfish



Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

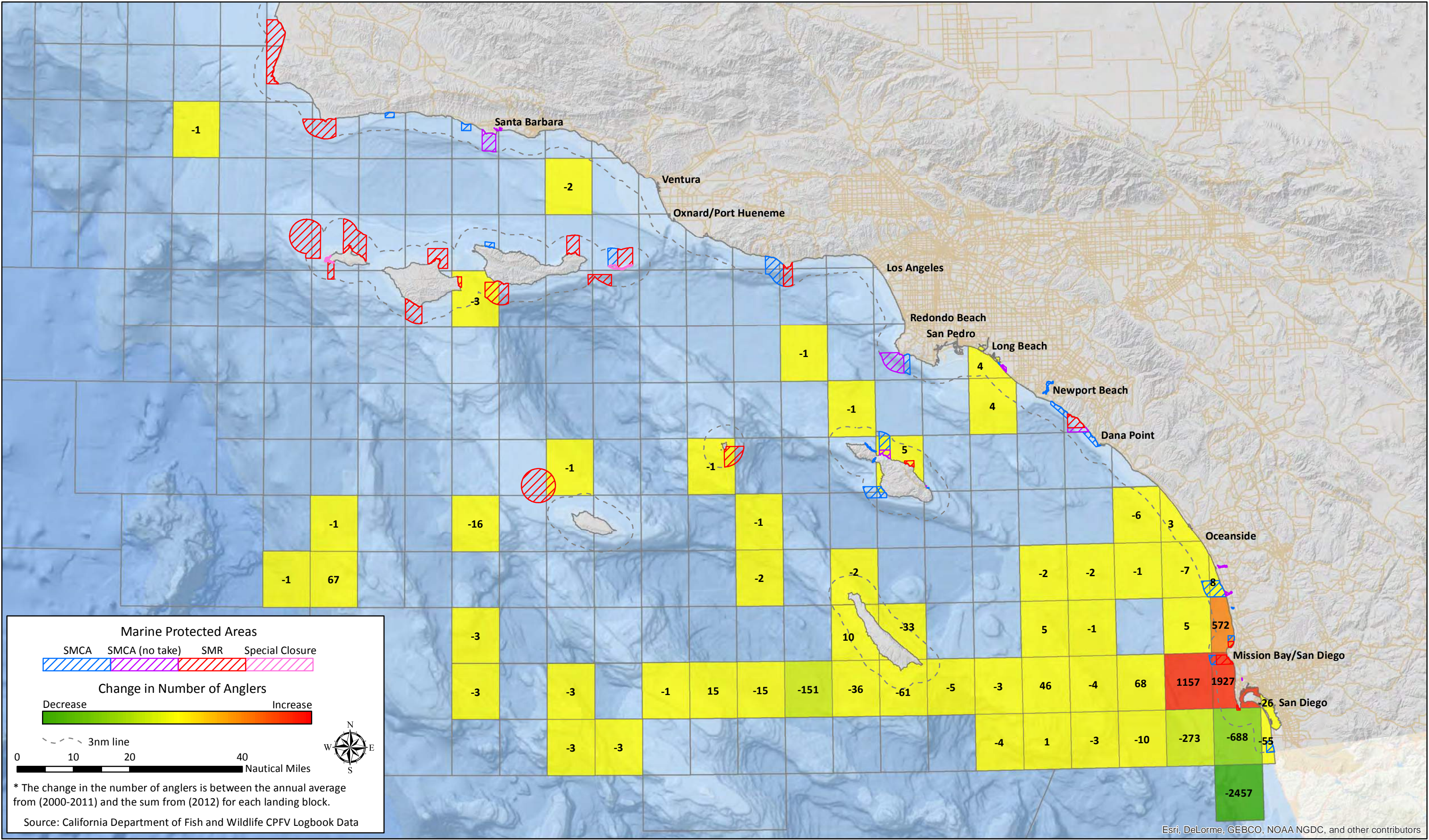
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Mission Bay/San Diego – Number of Anglers Targeting All Fisheries



California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

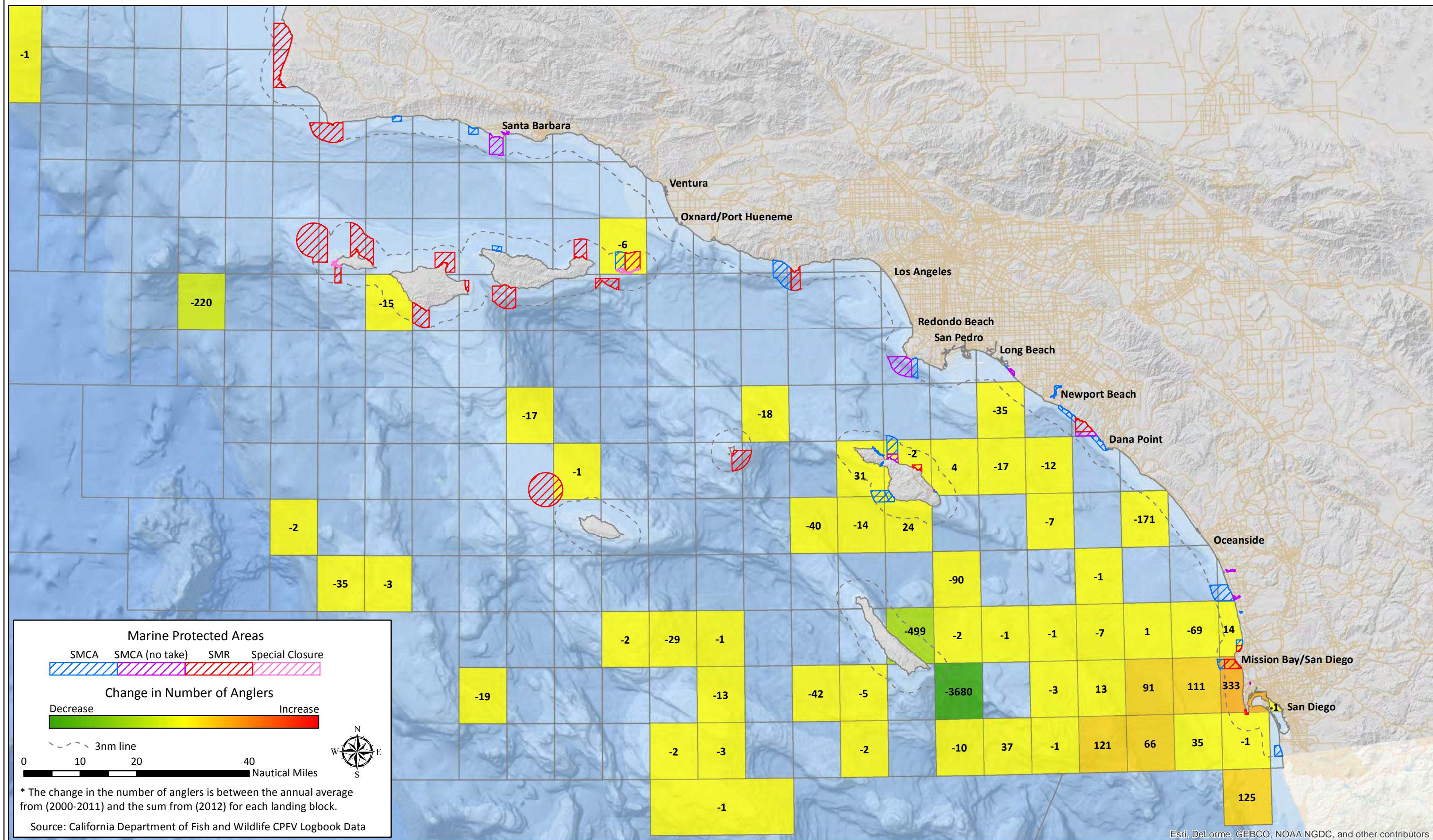
Pre MPA (2000-2011) to Post MPA (2012) – Mission Bay/San Diego – Number of Anglers Targeting Miscellaneous Coastal Fish



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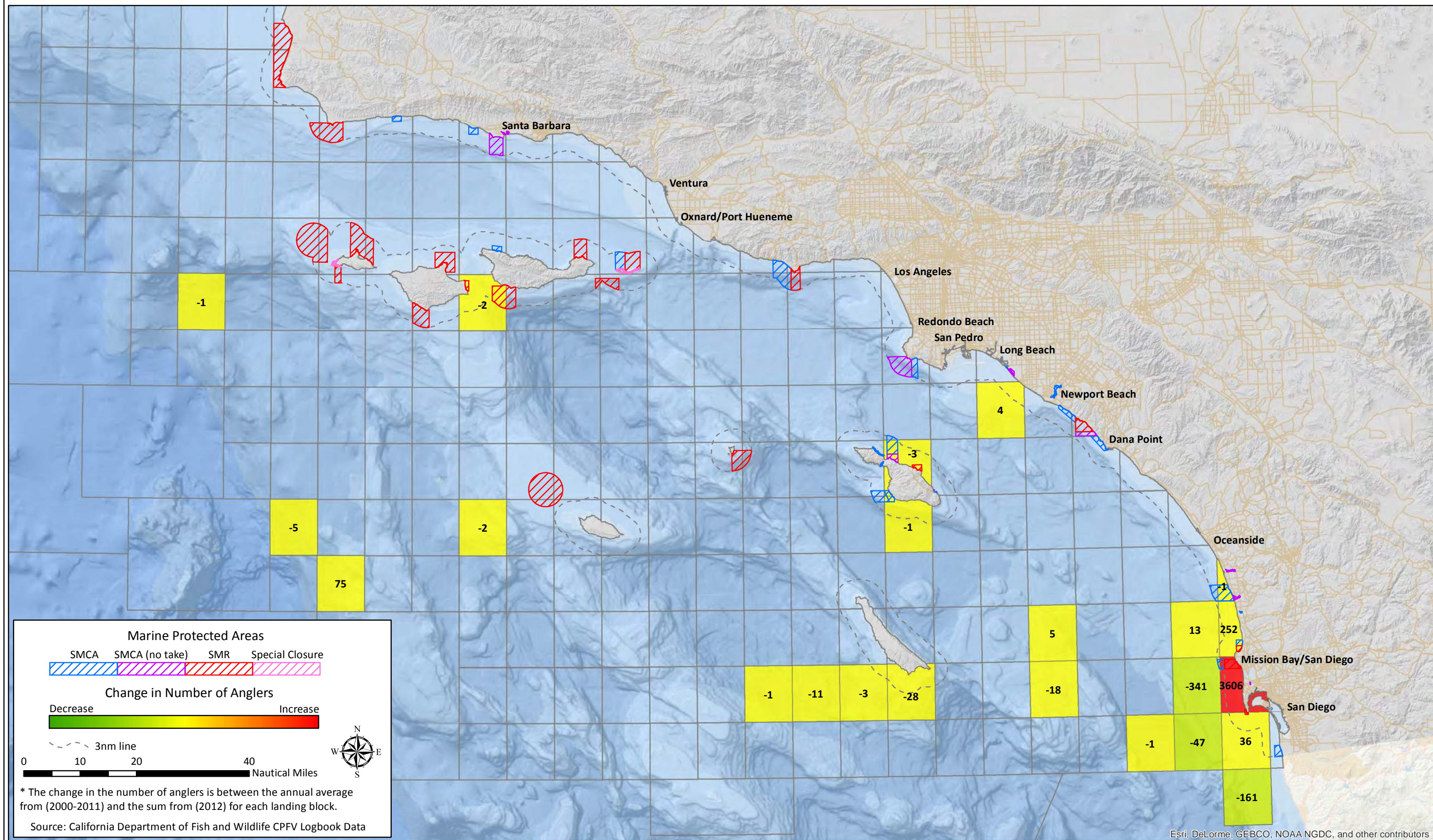
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Mission Bay/San Diego – Number of Anglers Targeting Miscellaneous Offshore Fish



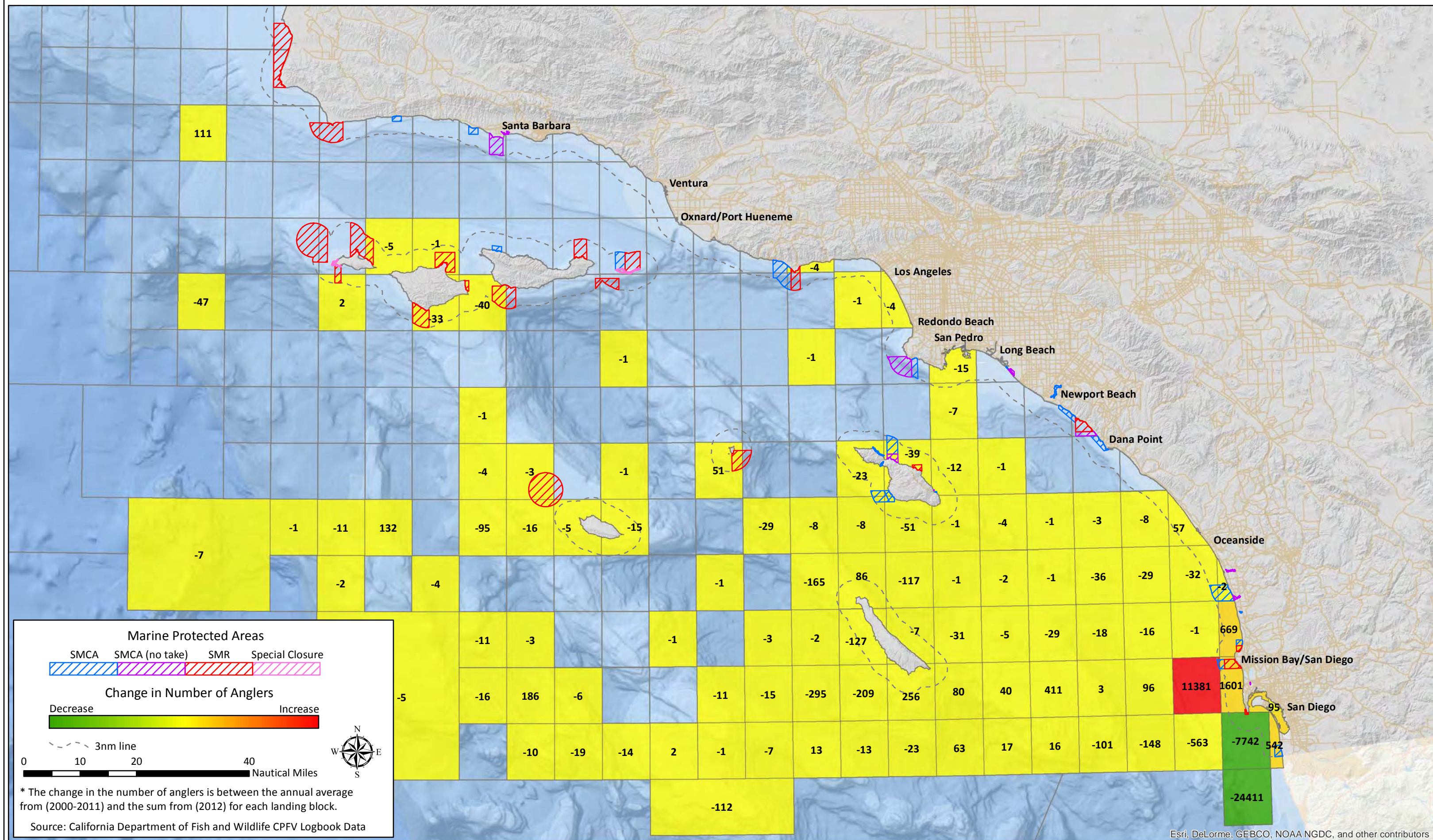
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – Mission Bay/San Diego – Number of Anglers Targeting Rockfish



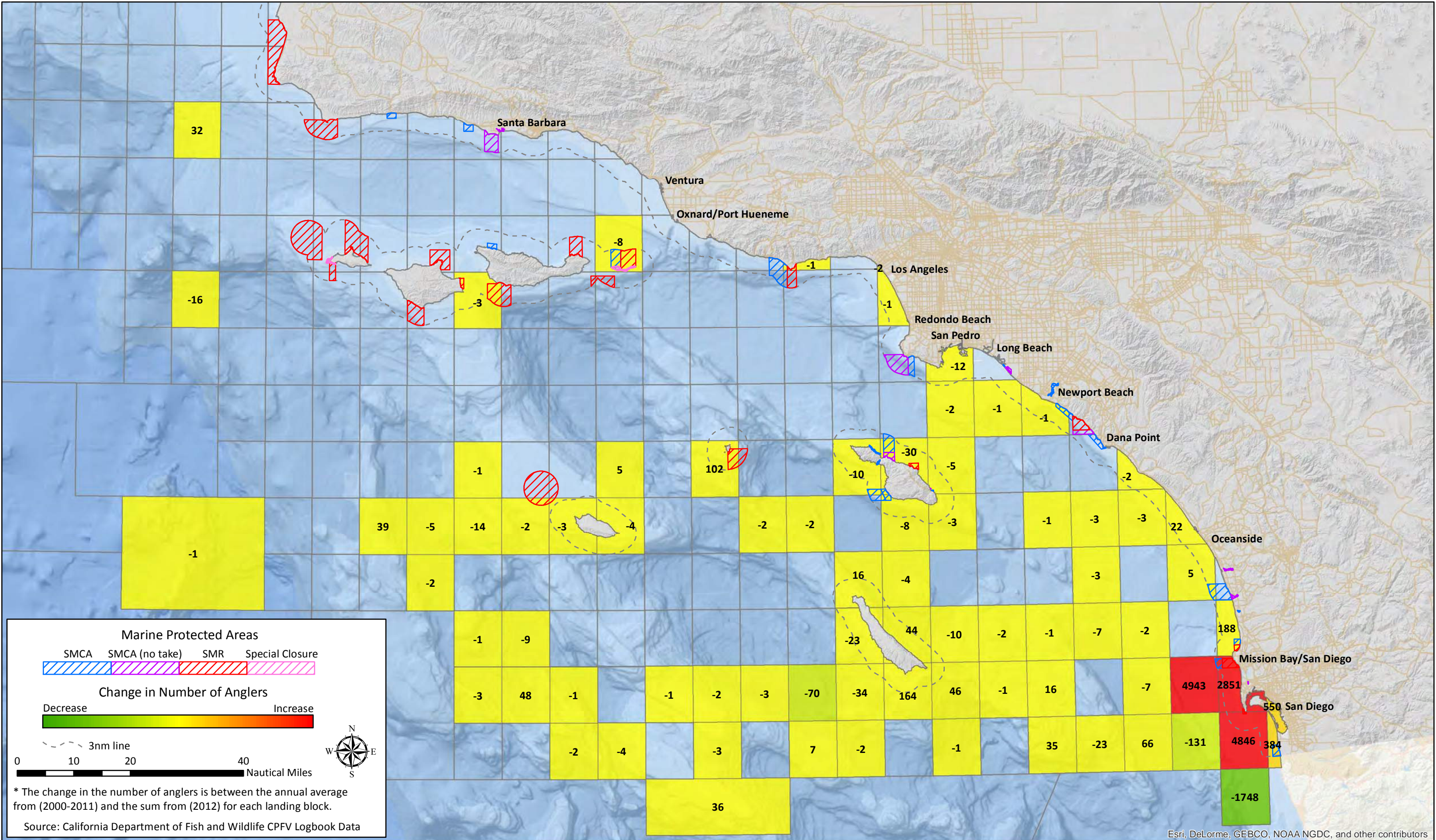
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – San Diego – Number of Anglers Targeting All Fisheries



California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

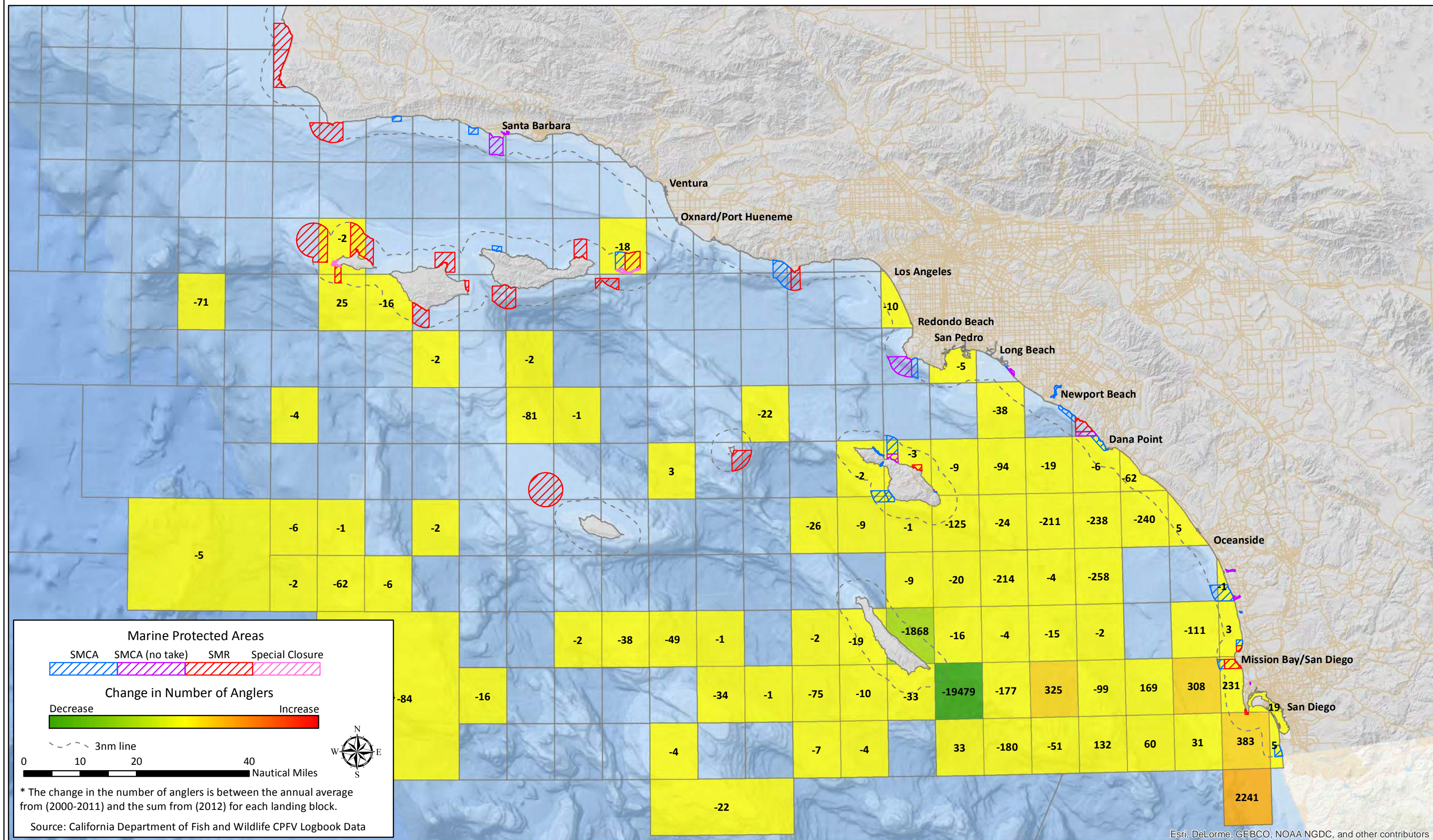
Pre MPA (2000-2011) to Post MPA (2012) – San Diego – Number of Anglers Targeting Miscellaneous Coastal Fish



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California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – San Diego – Number of Anglers Targeting Miscellaneous Offshore Fish



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