

---

# Establishing a Spatial and Economic Baseline and Assessing Initial Changes in the California South Coast CPFV Fisheries

Report to the California Sea Grant College Program

## MAP APPENDIX

---

POINT 97

An  ecotrust company

---

# MAP APPENDIX

Number of Fish Caught

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

---

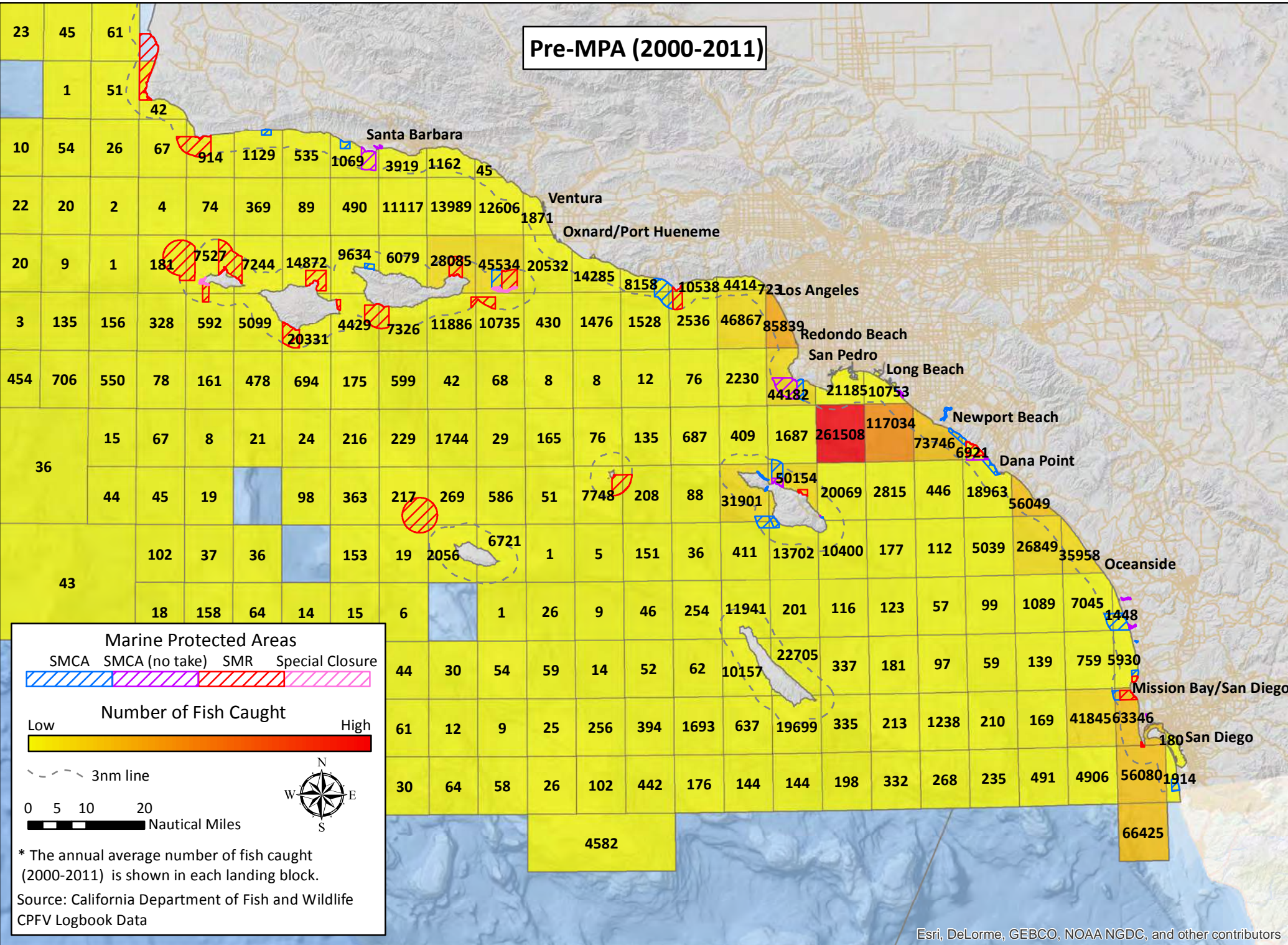
POINT 97

An  ecotrust company

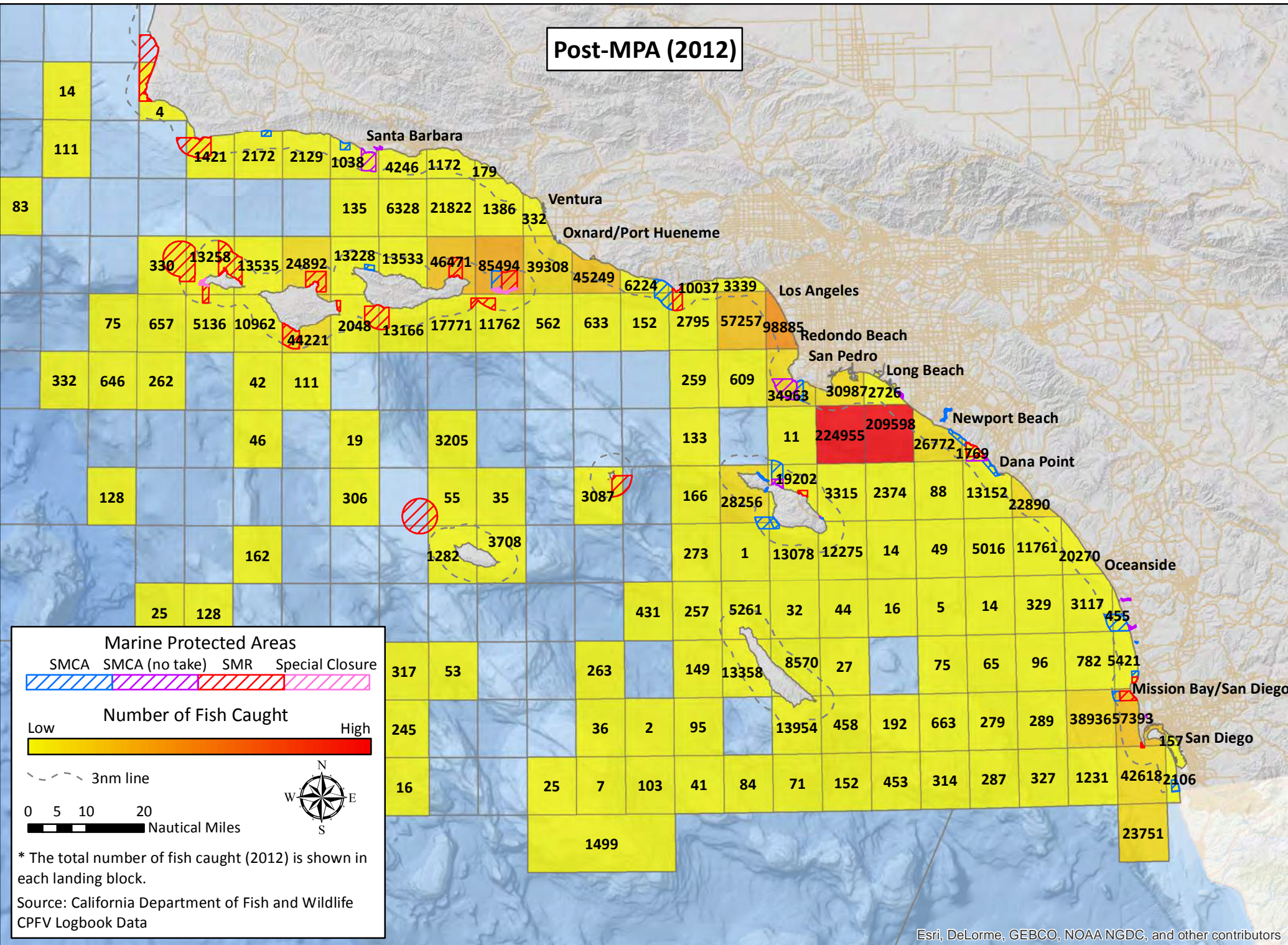
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – All Fisheries

Pre-MPA (2000-2011)



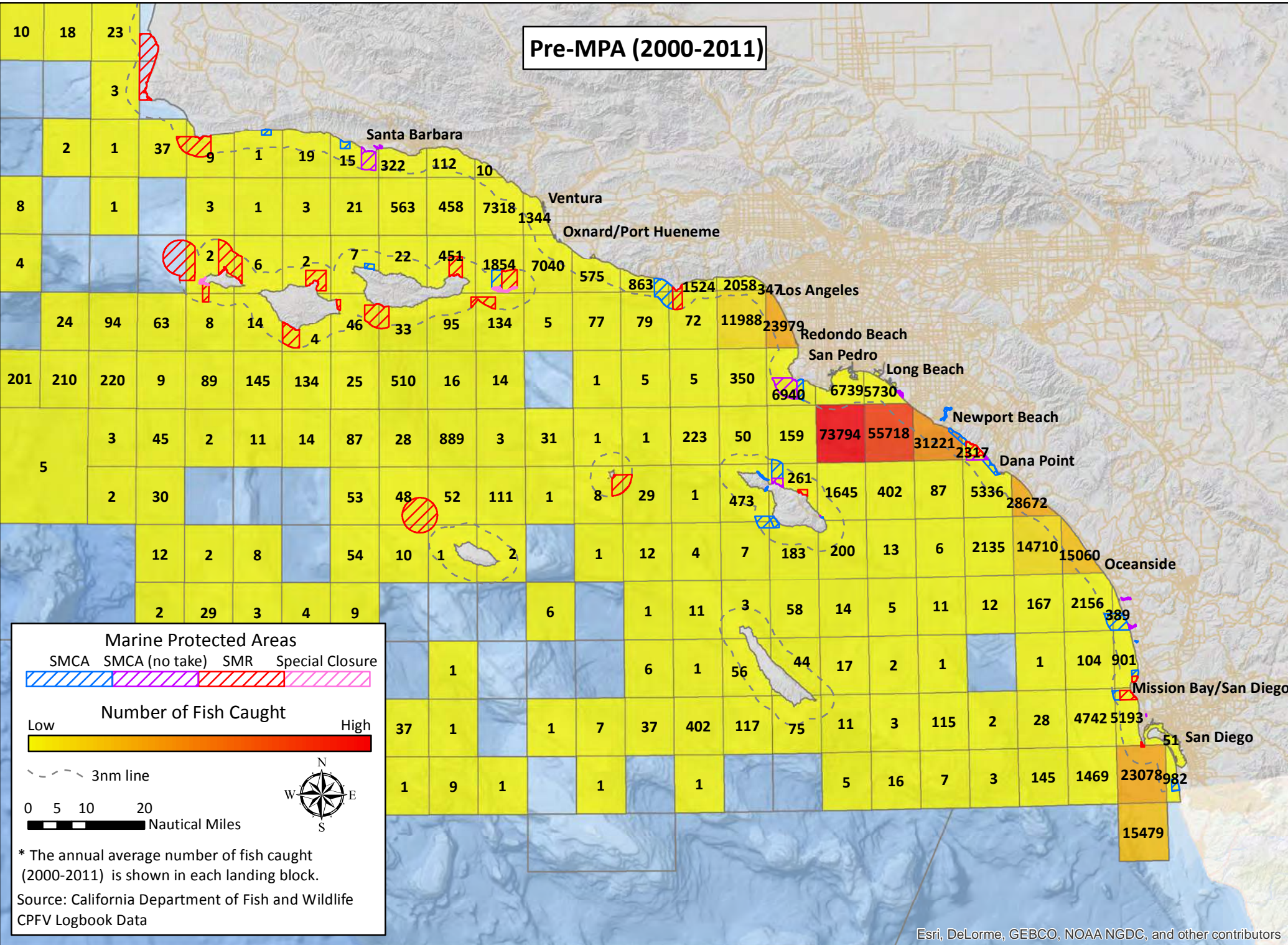
Post-MPA (2012)



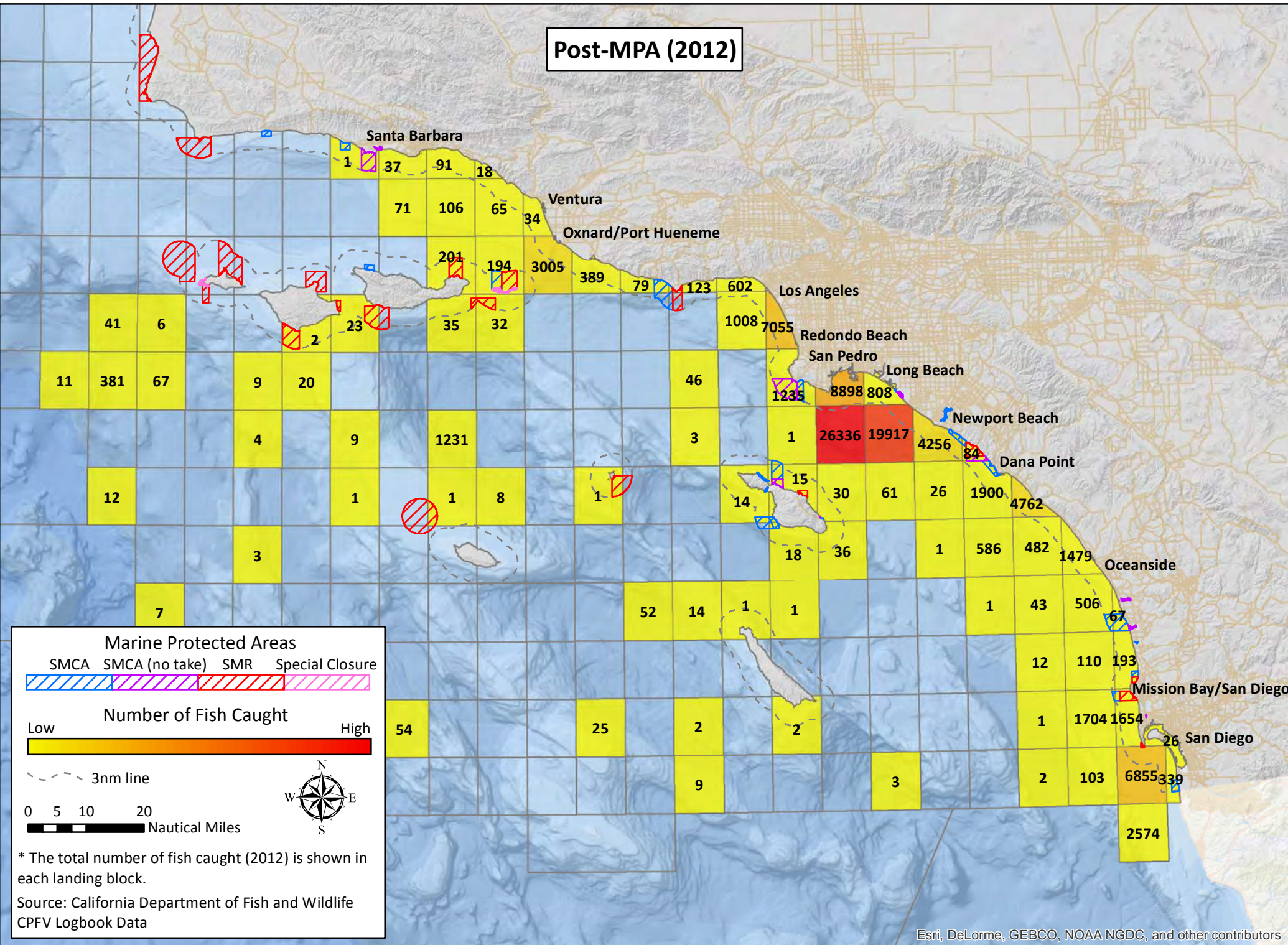
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)



Post-MPA (2012)



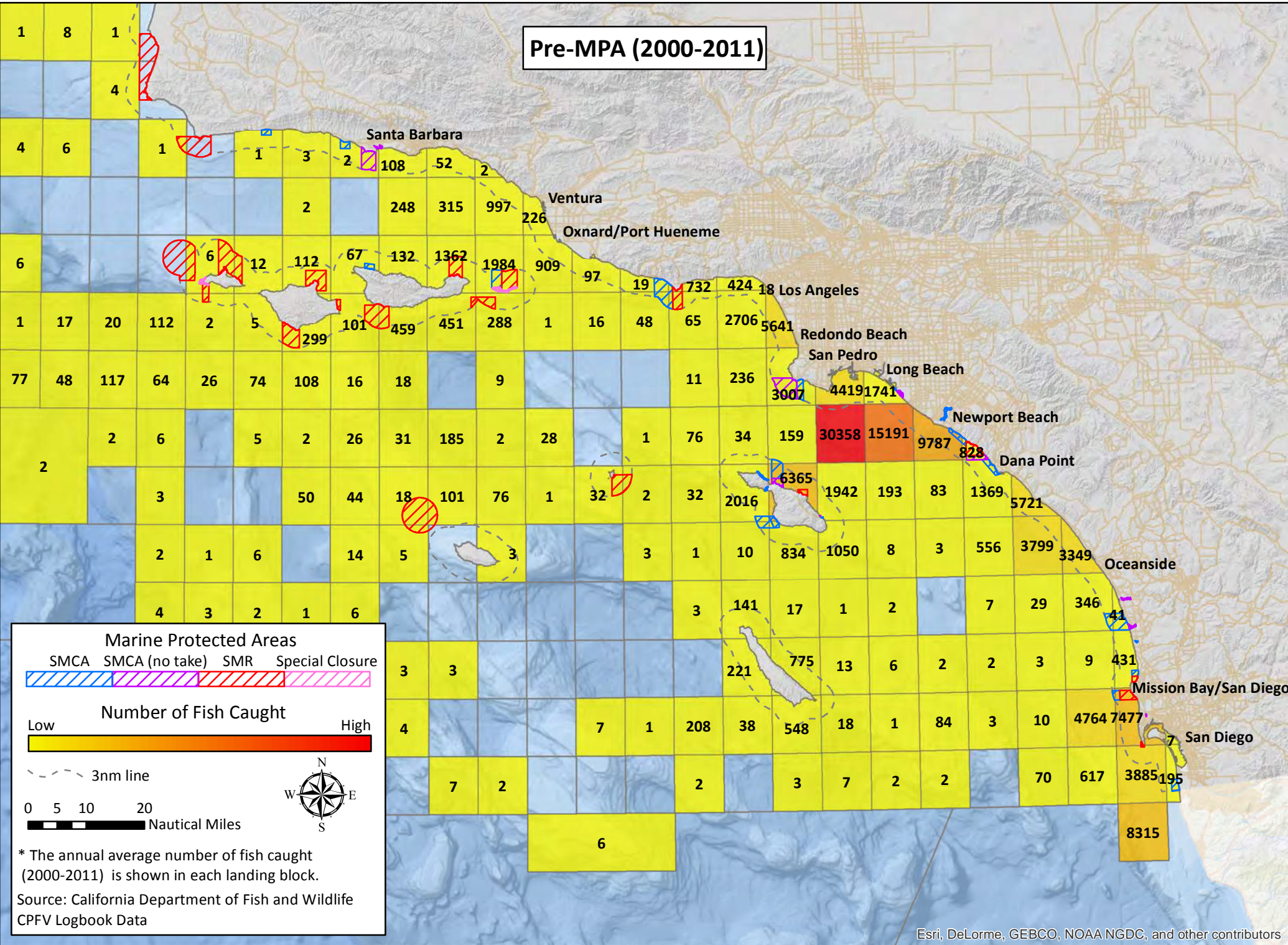
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

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

# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

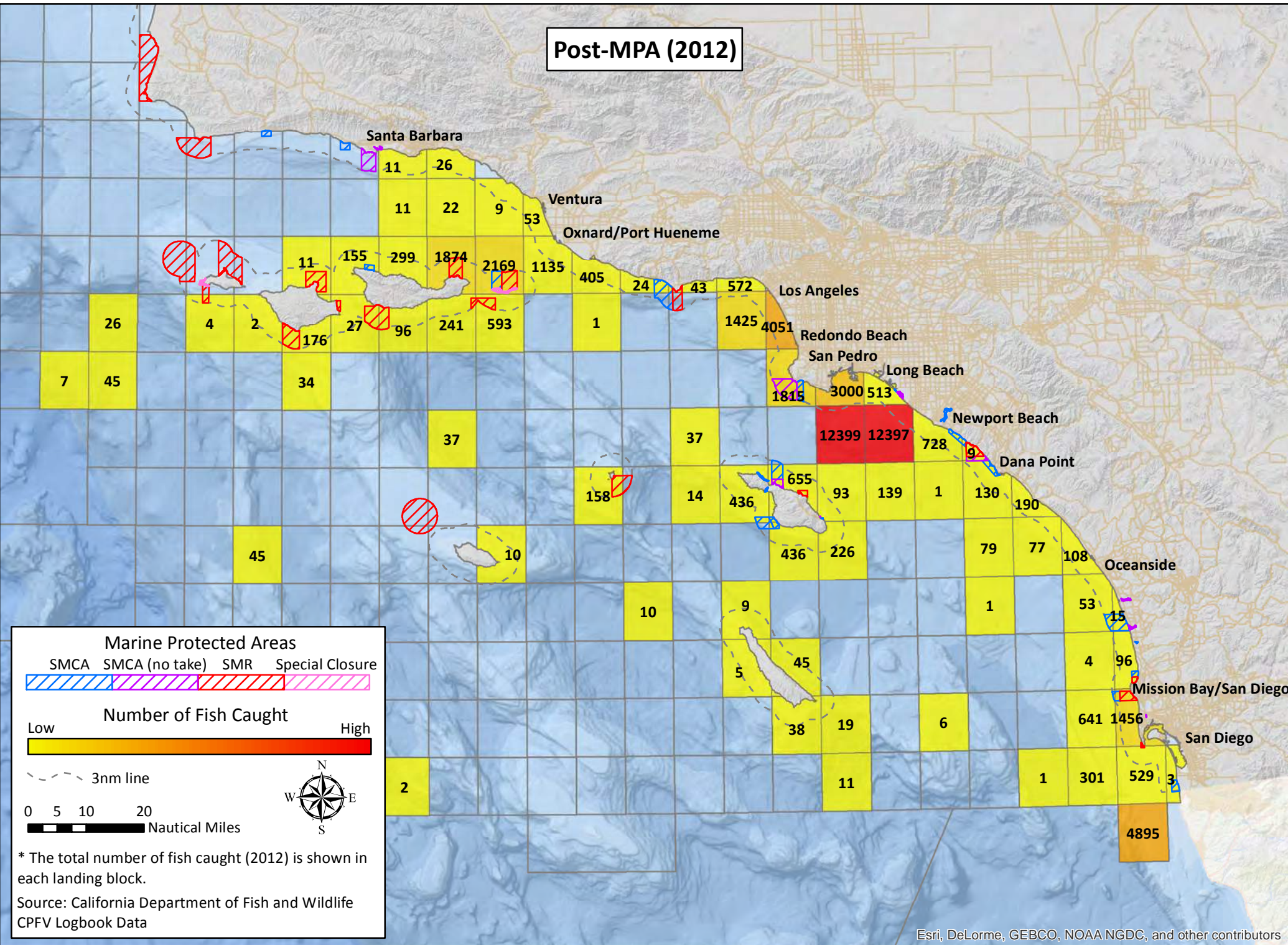
## All Ports – Number of Fish Caught – California barracuda

Pre-MPA (2000-2011)



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

Post-MPA (2012)

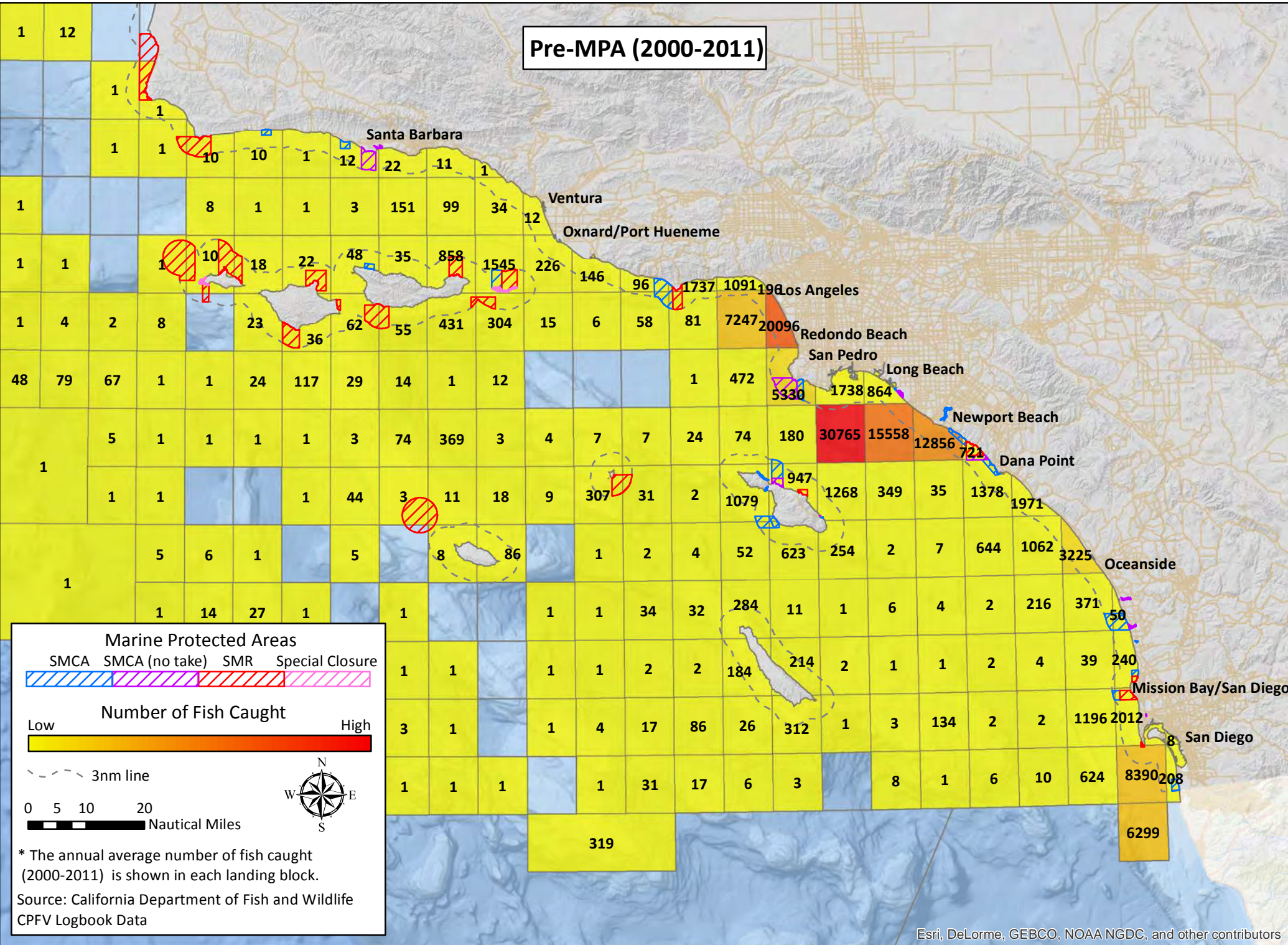


Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

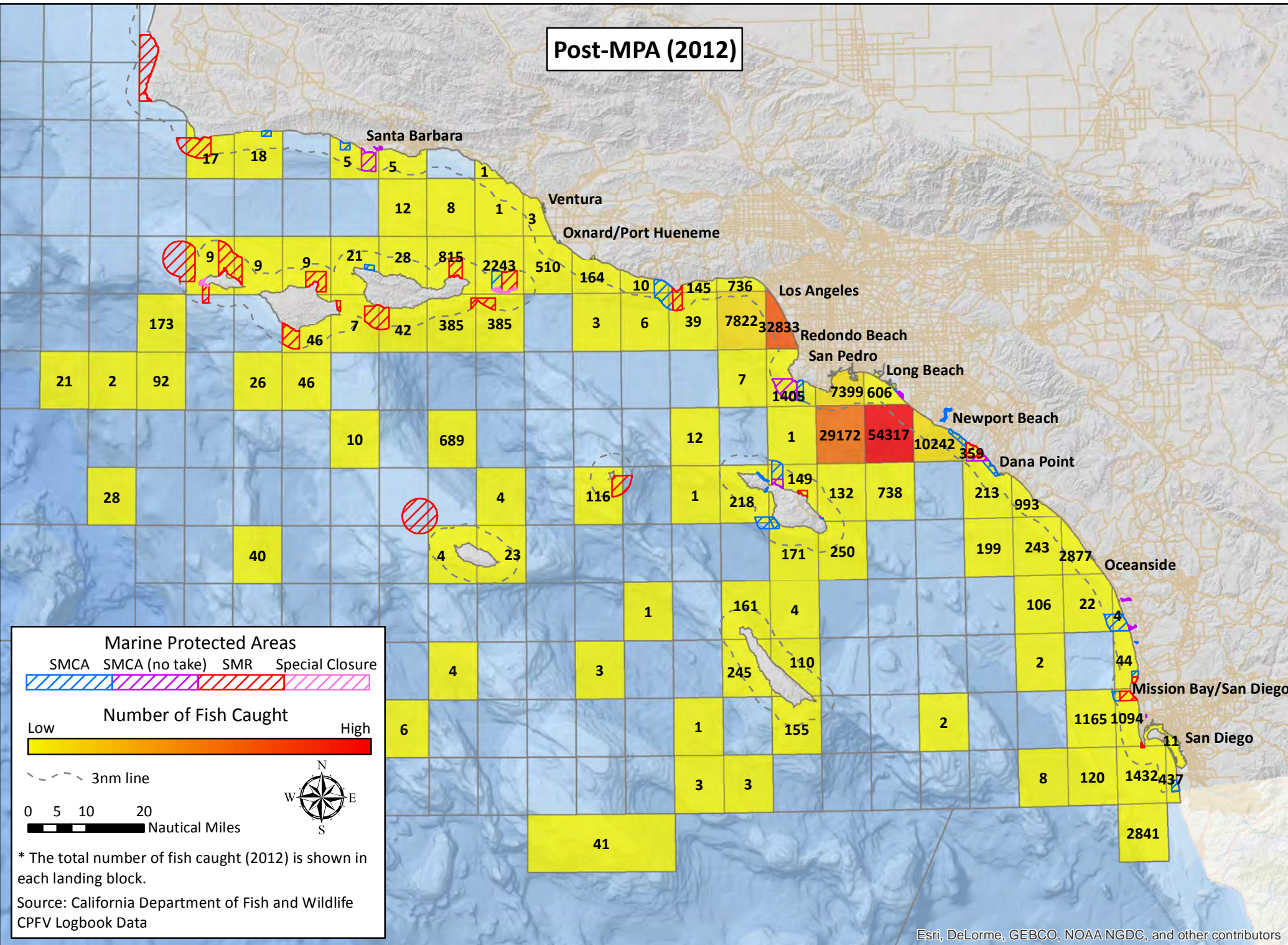
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – California scorpionfish

Pre-MPA (2000-2011)



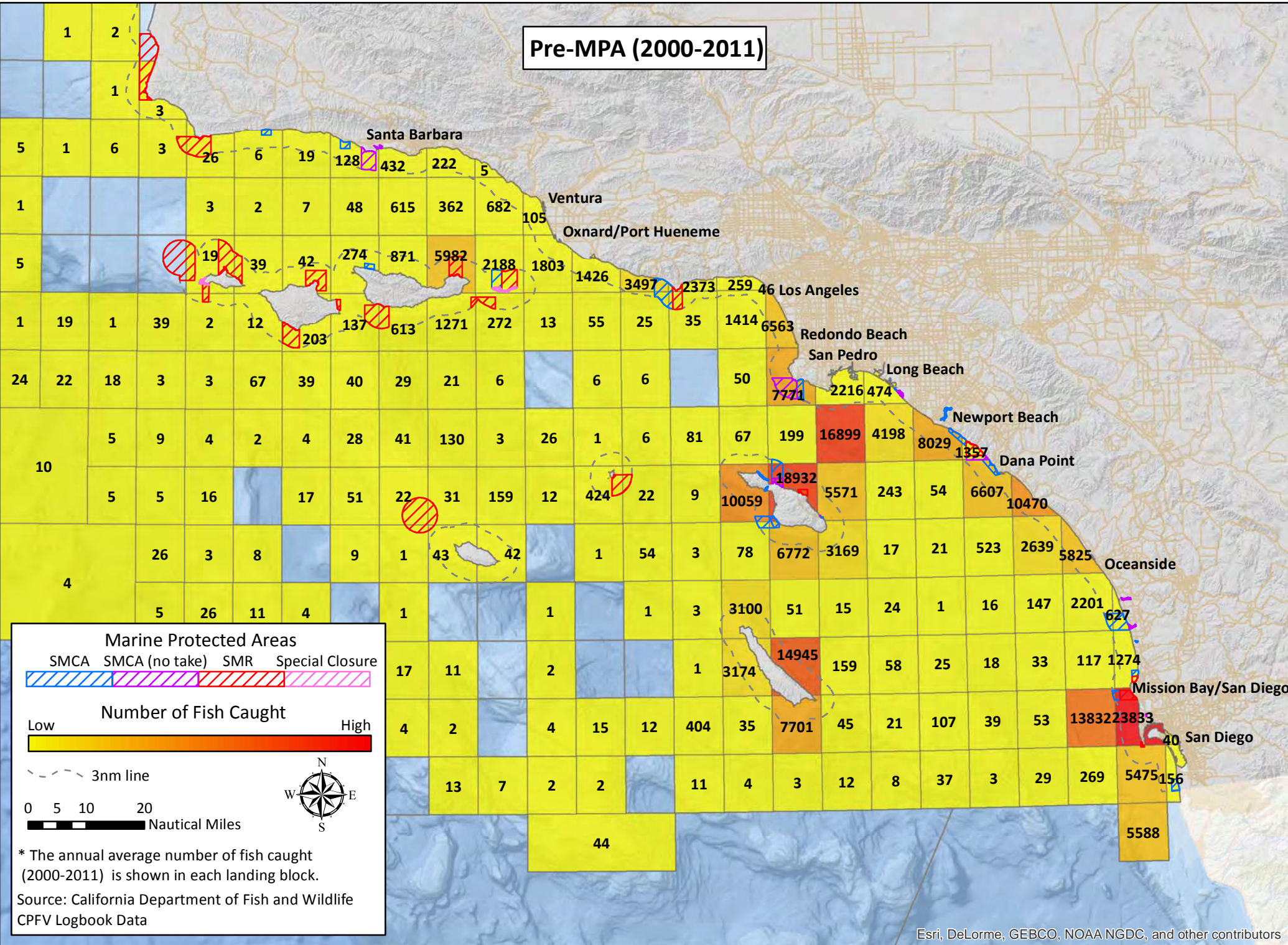
Post-MPA (2012)



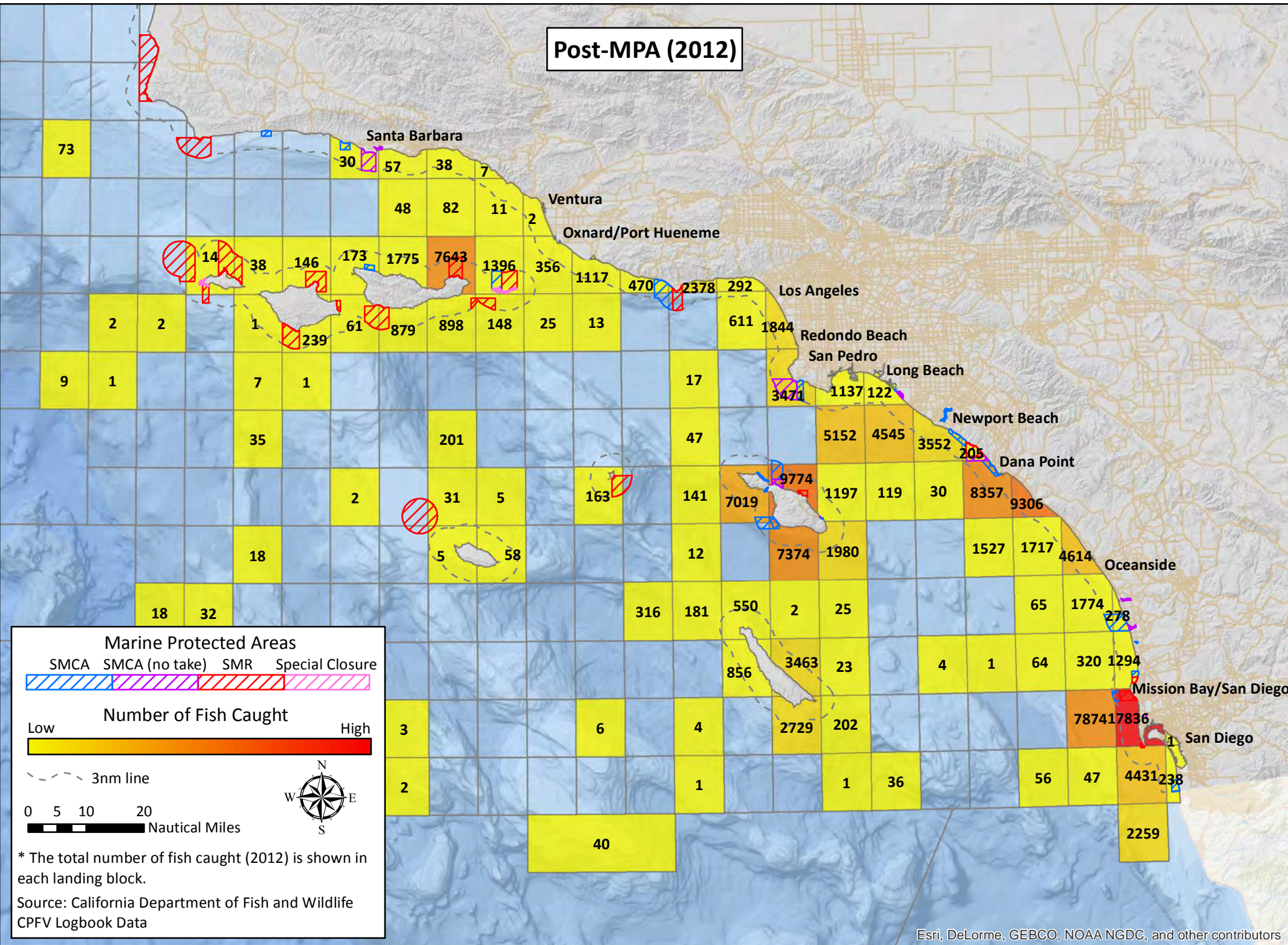
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – Kelp bass

Pre-MPA (2000-2011)



Post-MPA (2012)



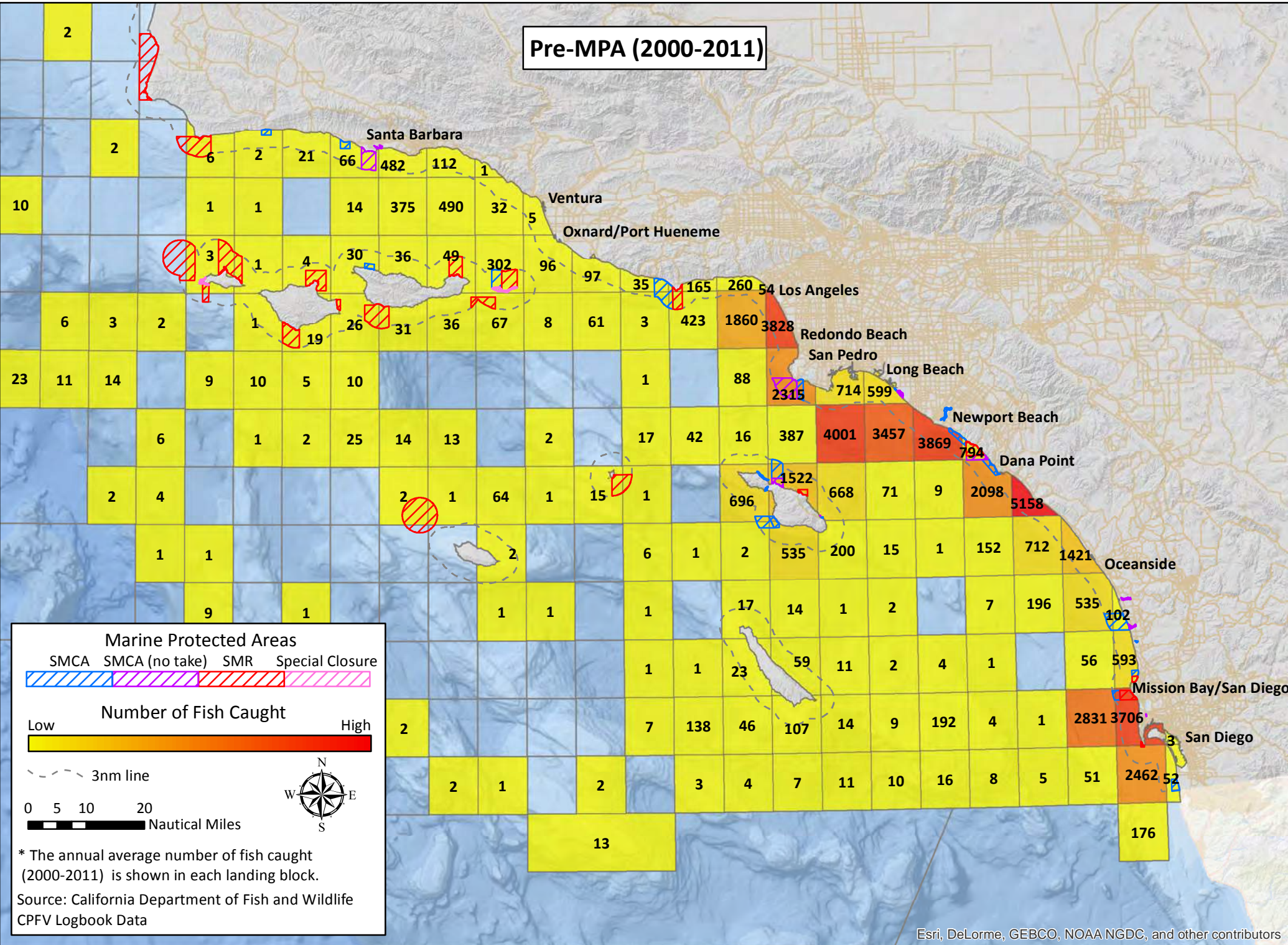
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

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

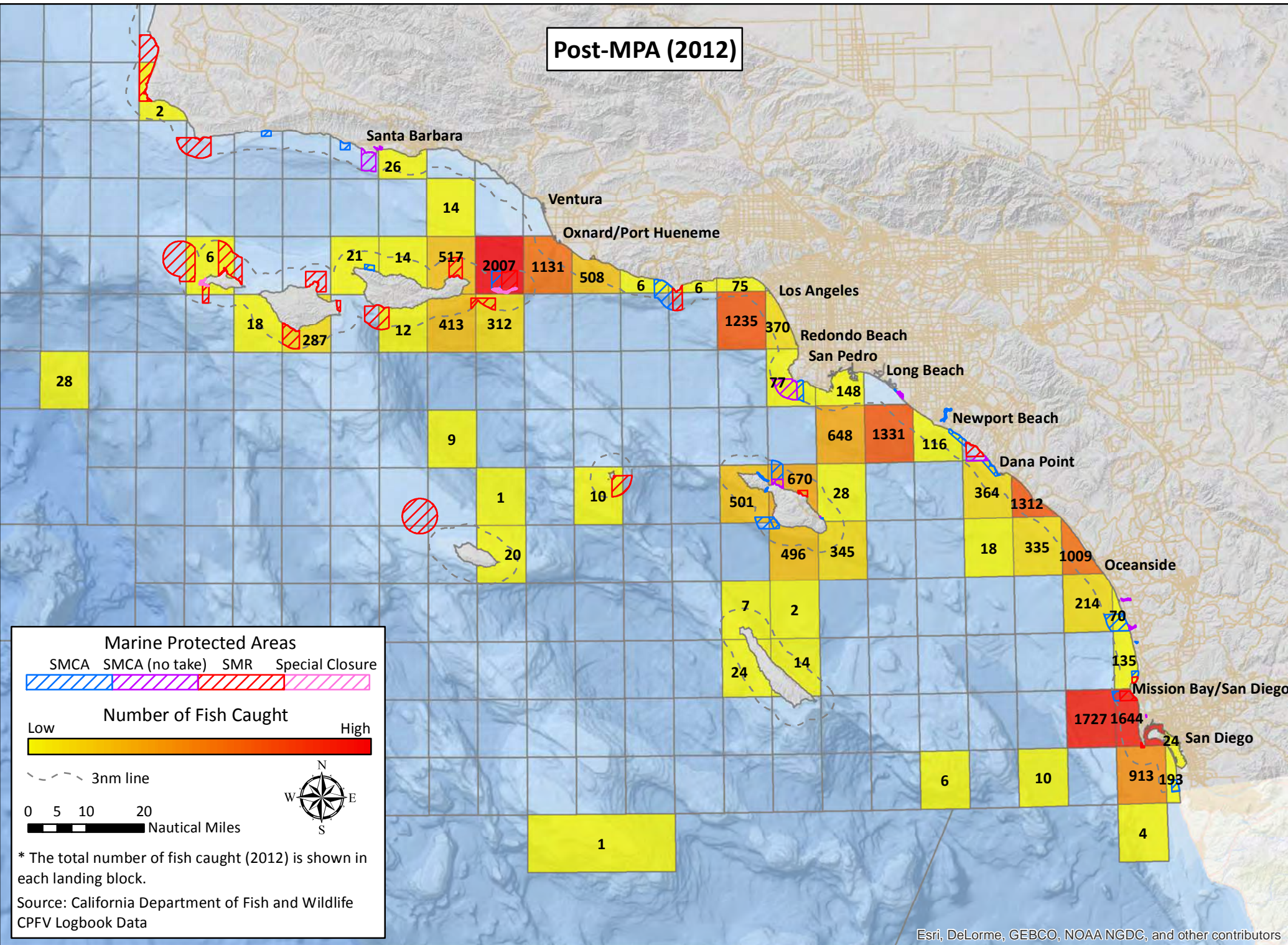
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – Mackerel

Pre-MPA (2000-2011)



Post-MPA (2012)

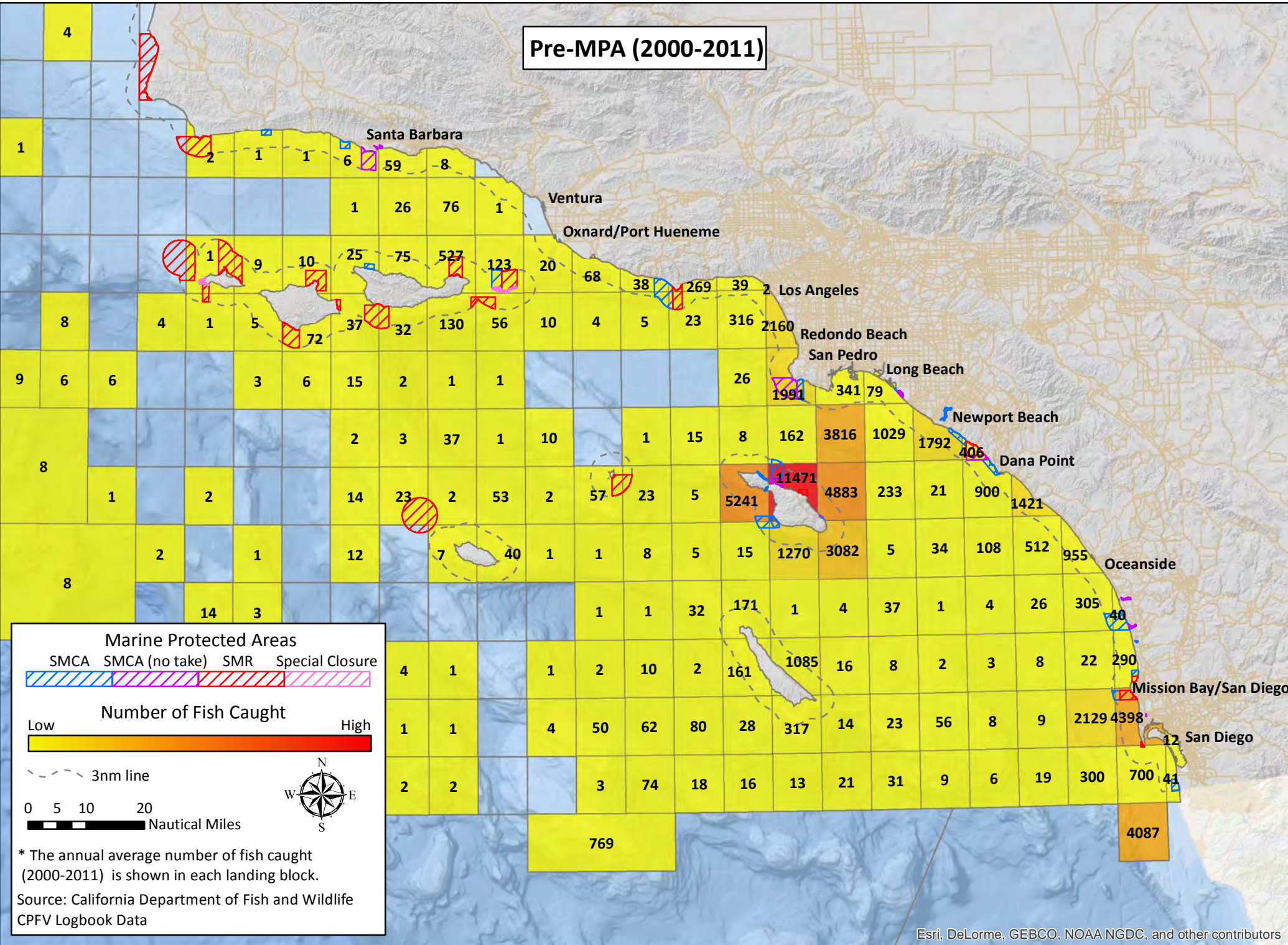




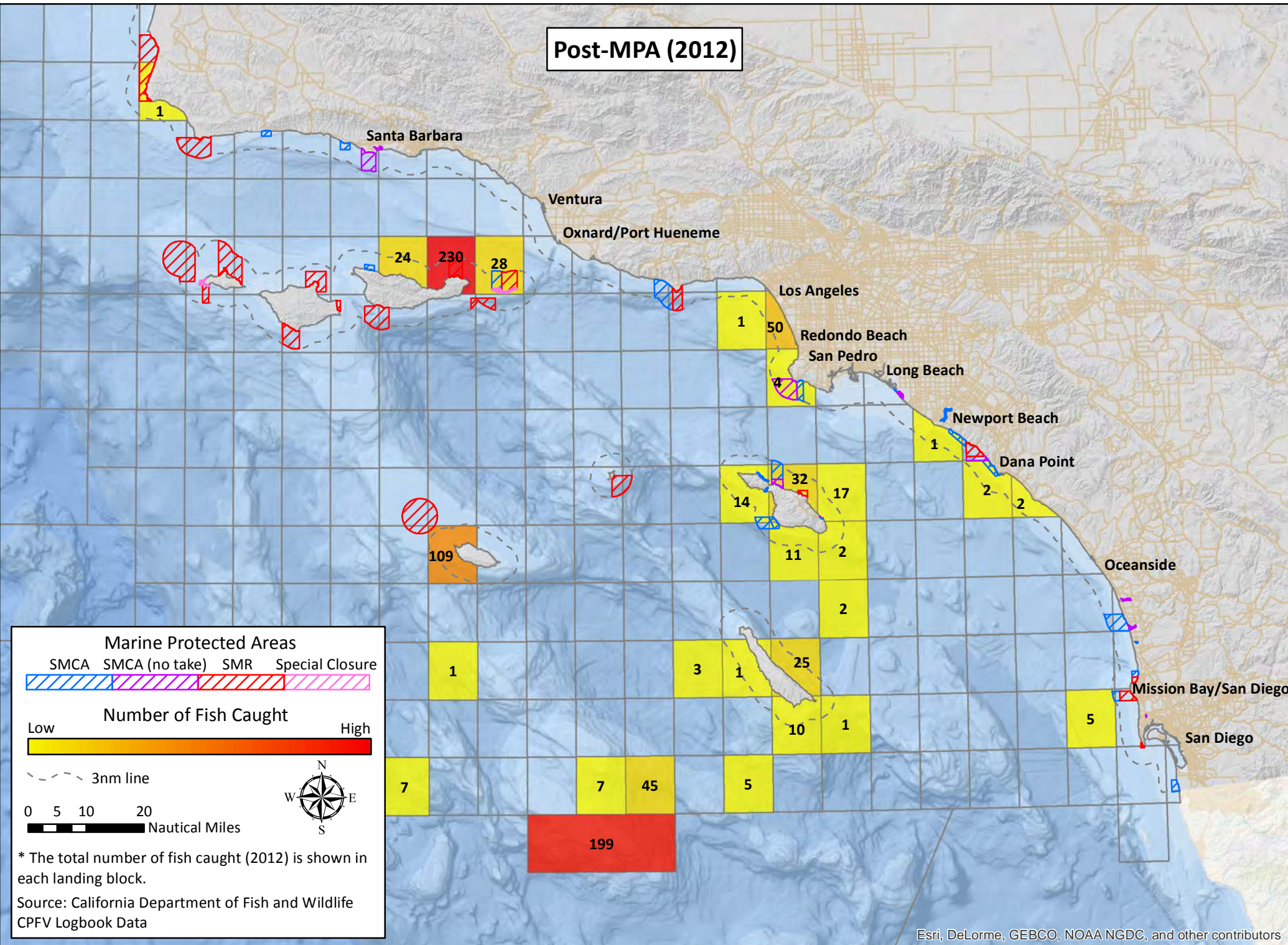
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – Pacific bonito

Pre-MPA (2000-2011)



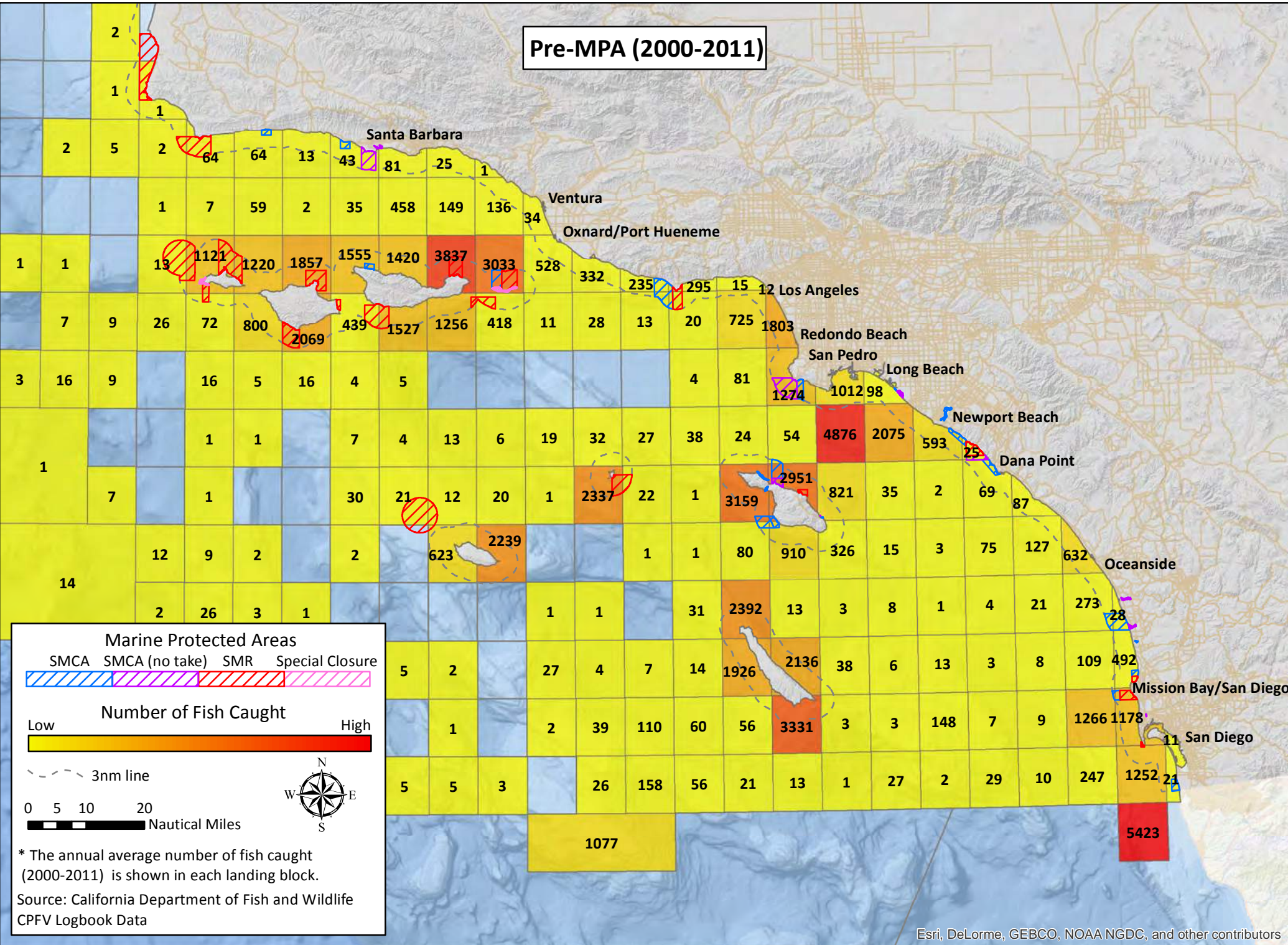
Post-MPA (2012)



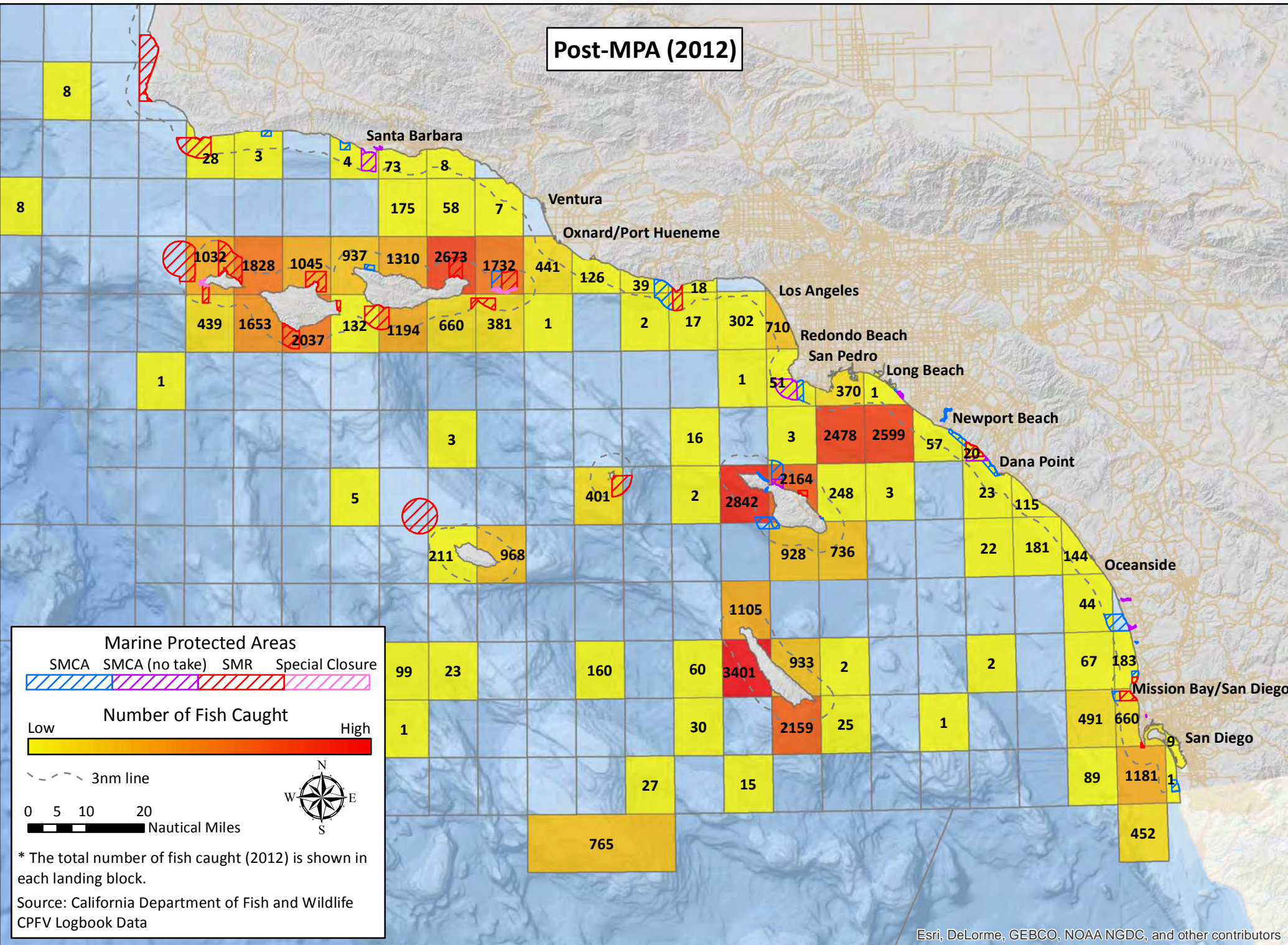
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – Ocean whitefish

Pre-MPA (2000-2011)



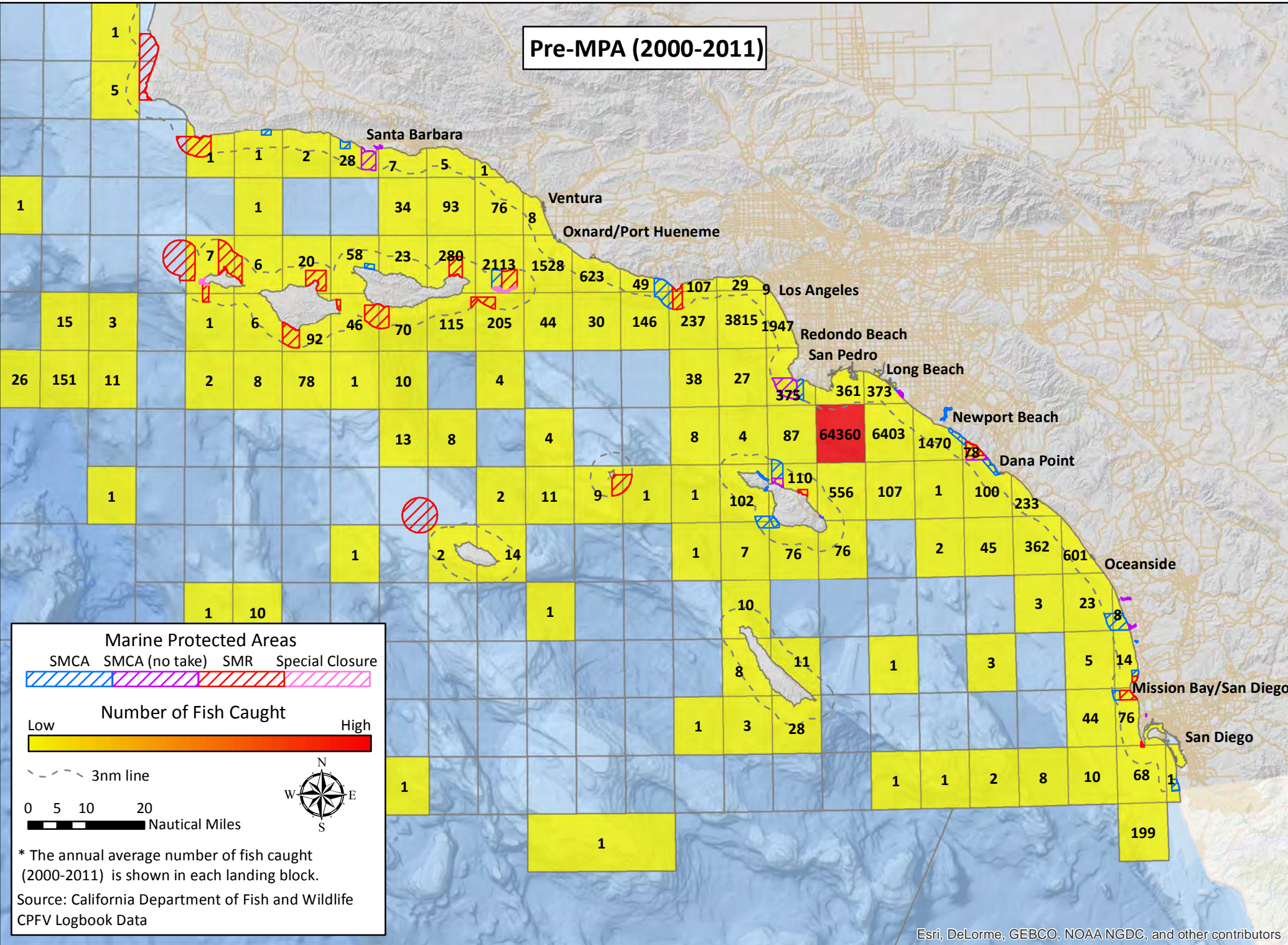
Post-MPA (2012)



# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

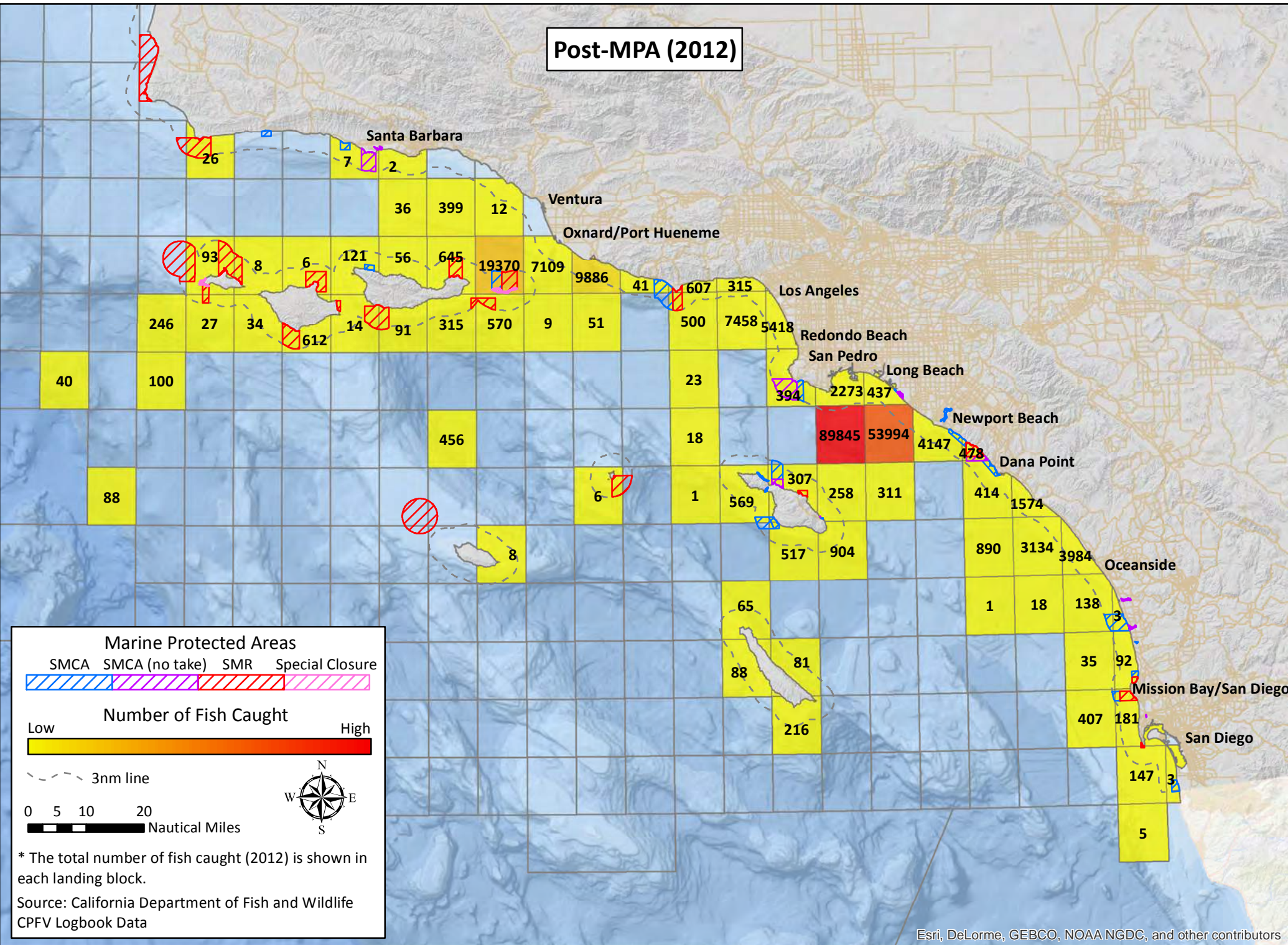
## All Ports – Number of Fish Caught – Sanddab

Pre-MPA (2000-2011)



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

Post-MPA (2012)

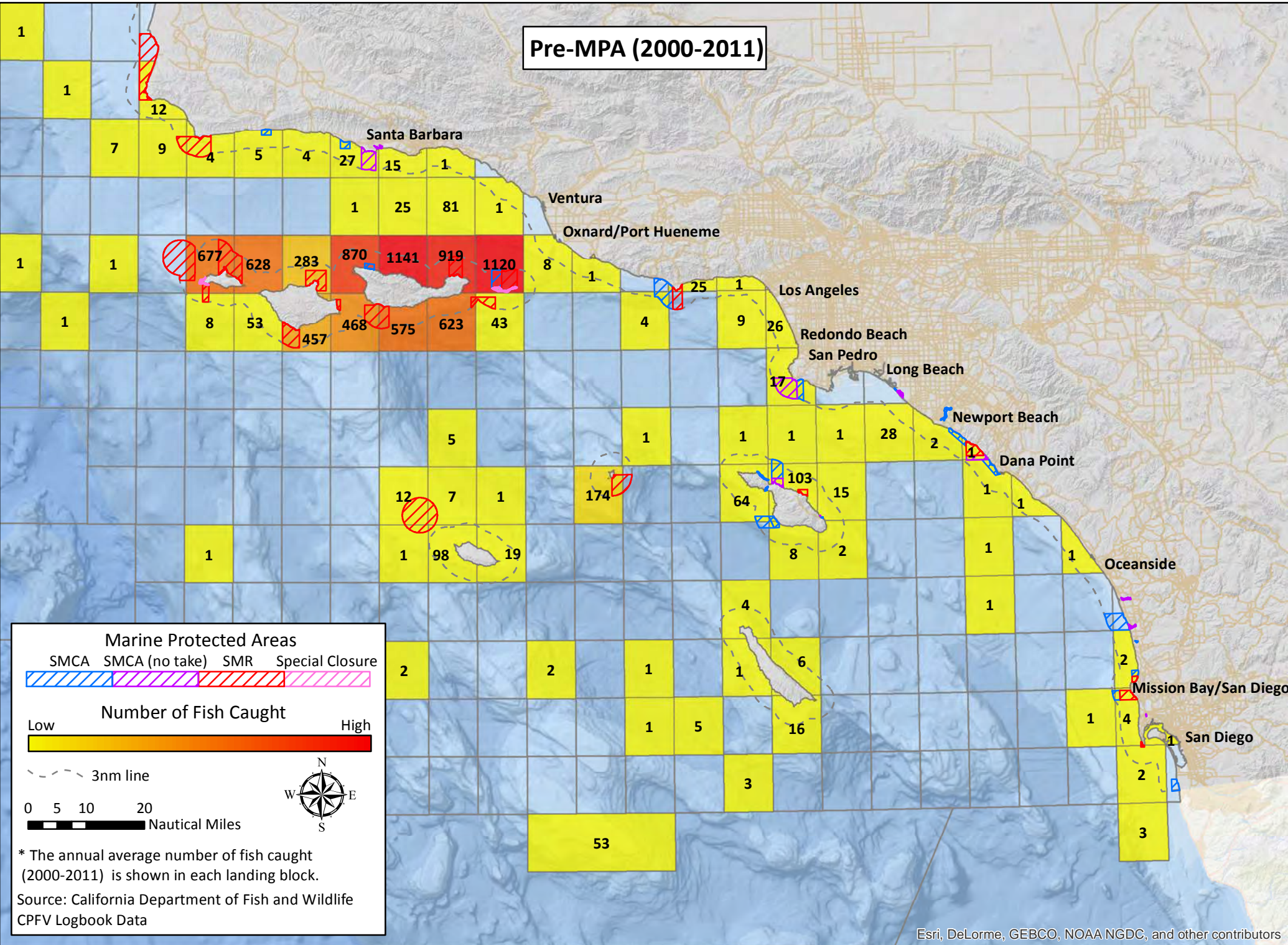


Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

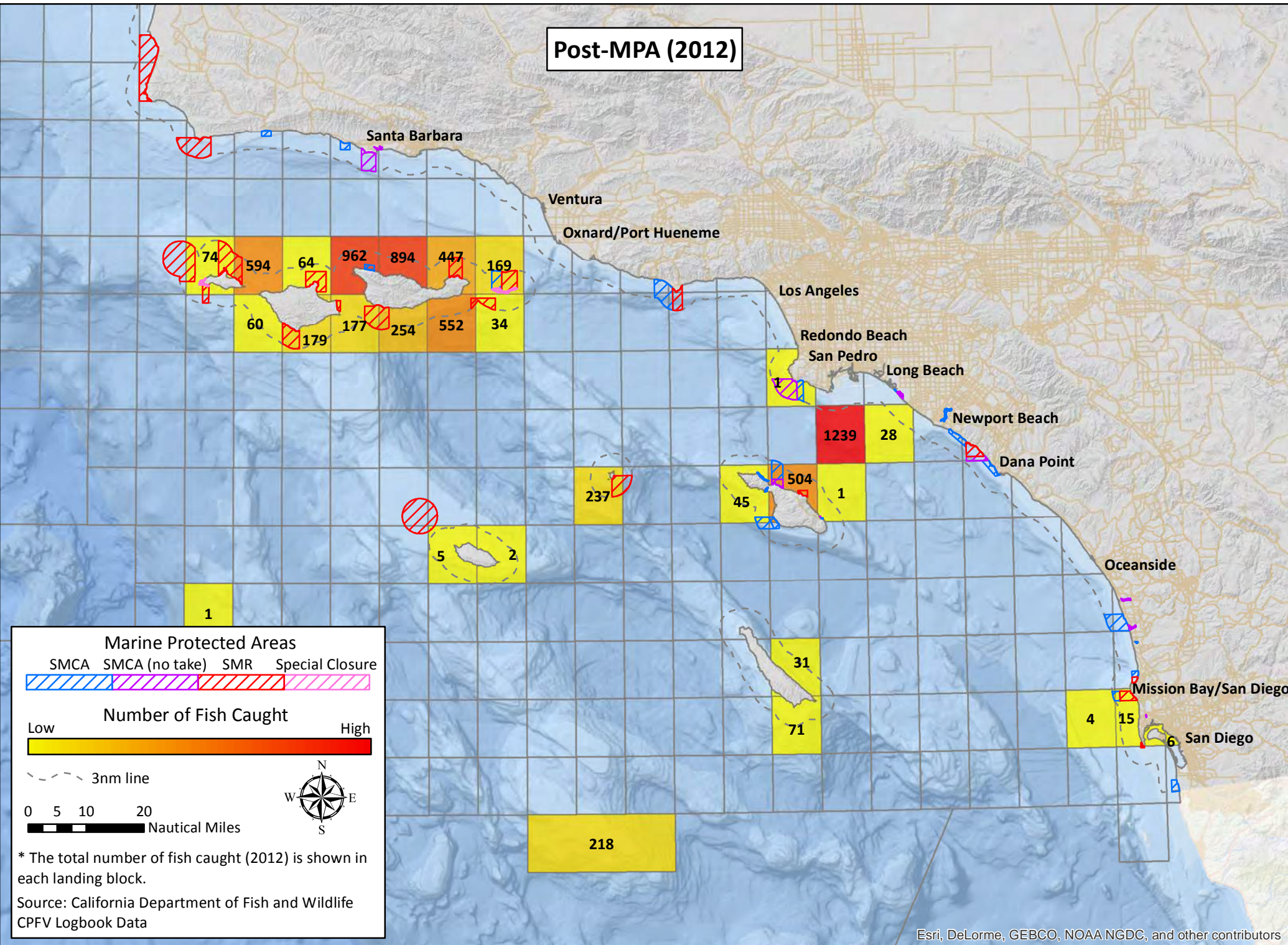
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – Scallop

Pre-MPA (2000-2011)



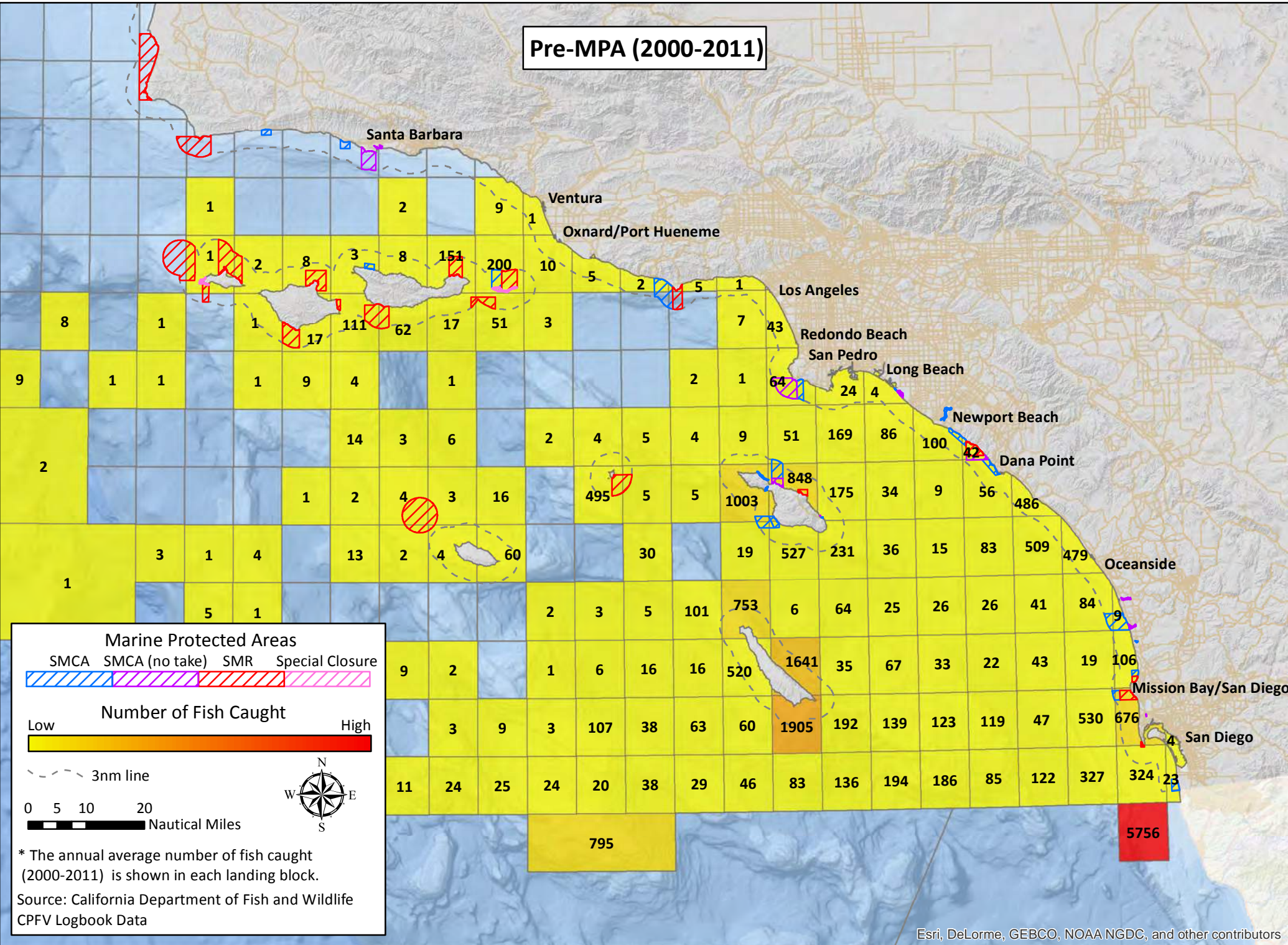
Post-MPA (2012)



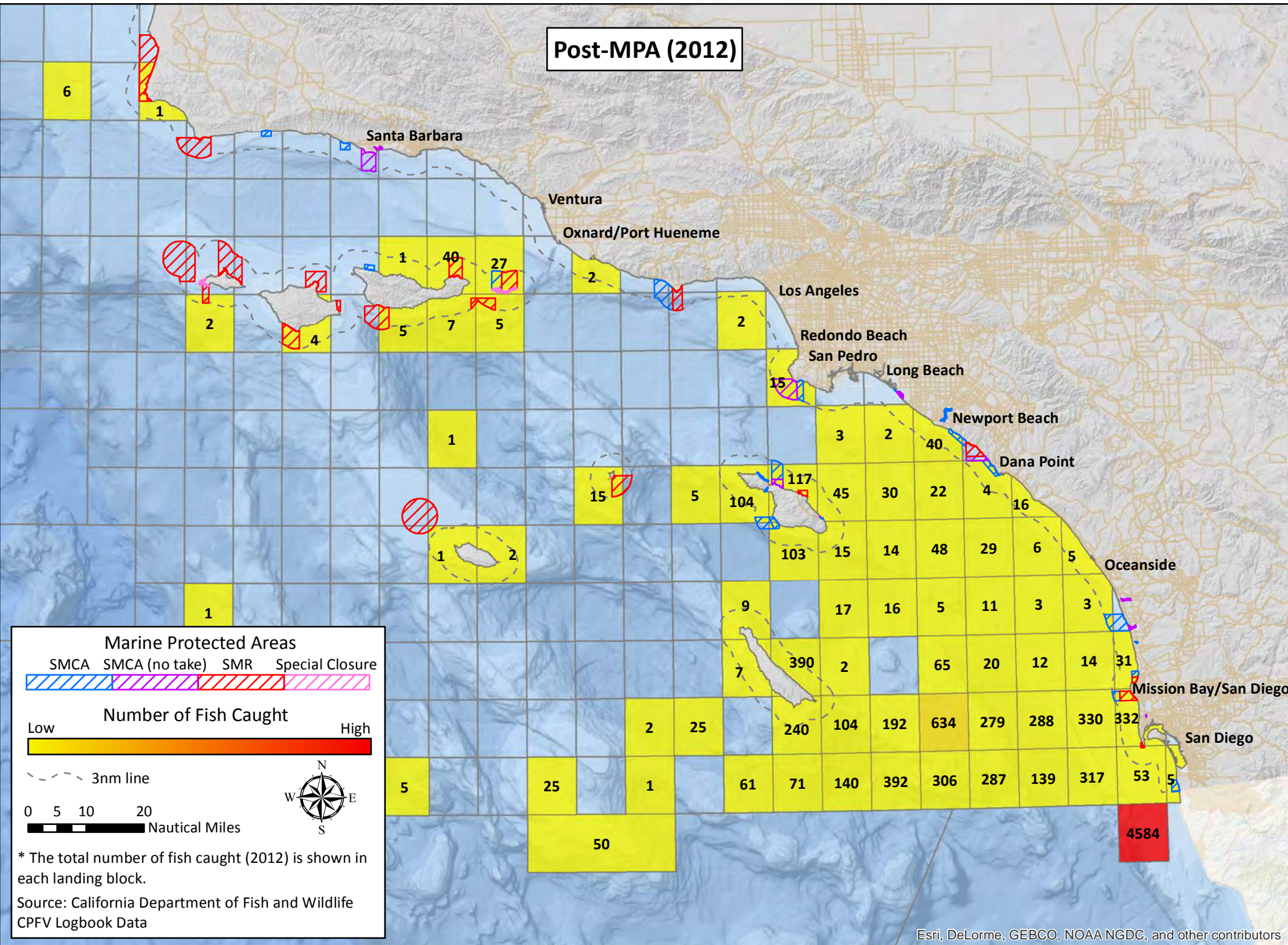
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – Yellowtail

Pre-MPA (2000-2011)



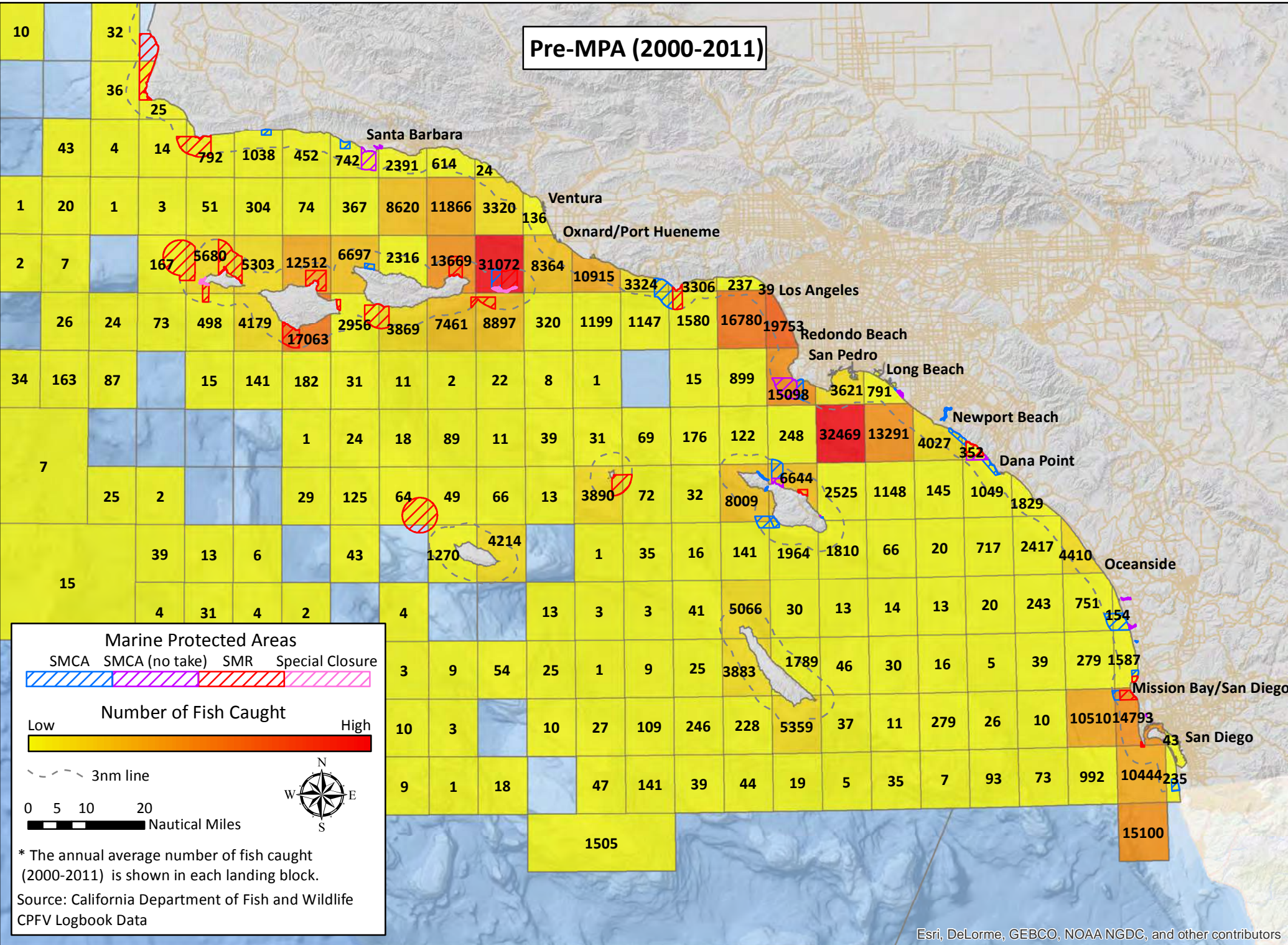
Post-MPA (2012)



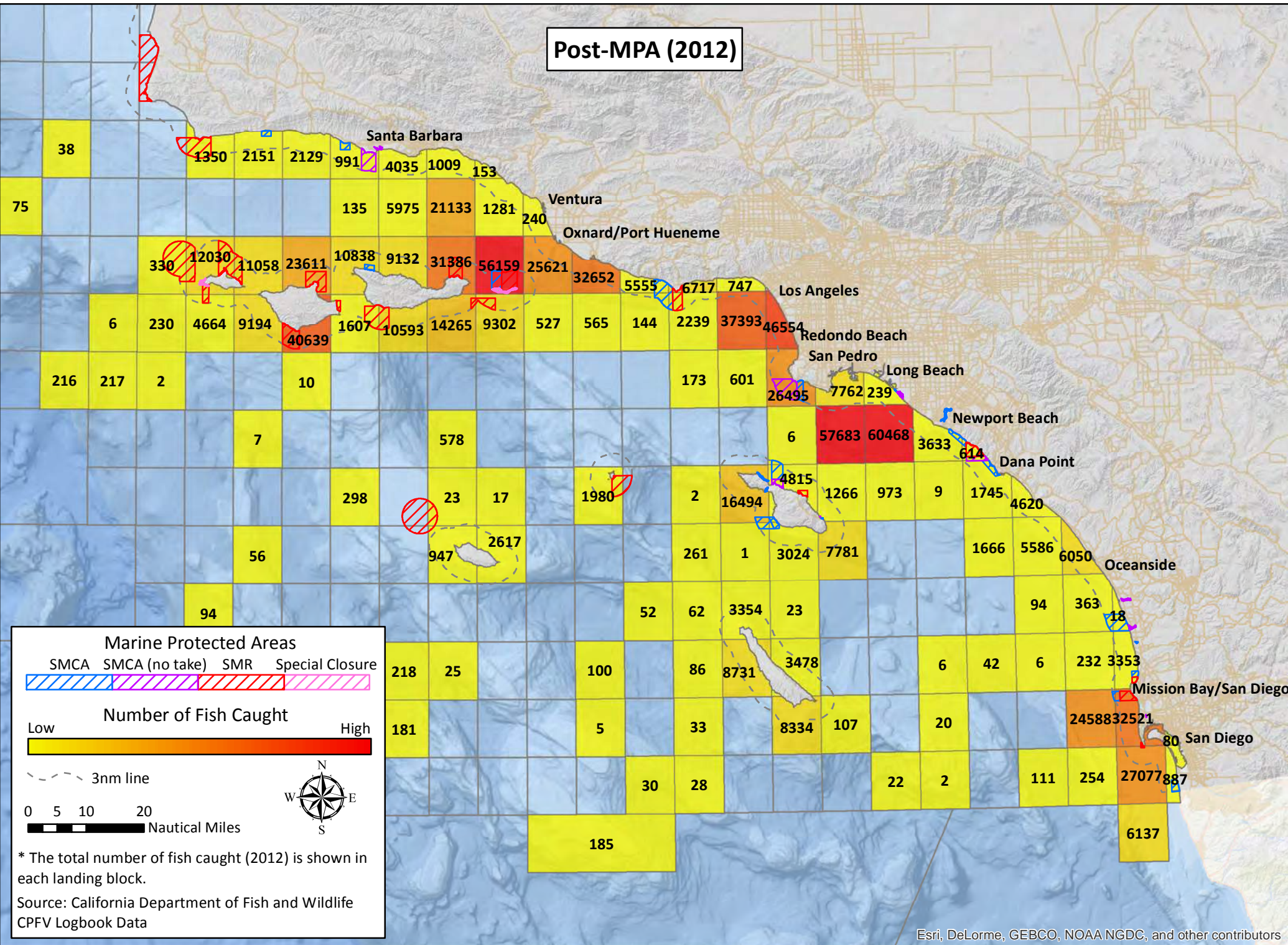
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## All Ports – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)



Post-MPA (2012)

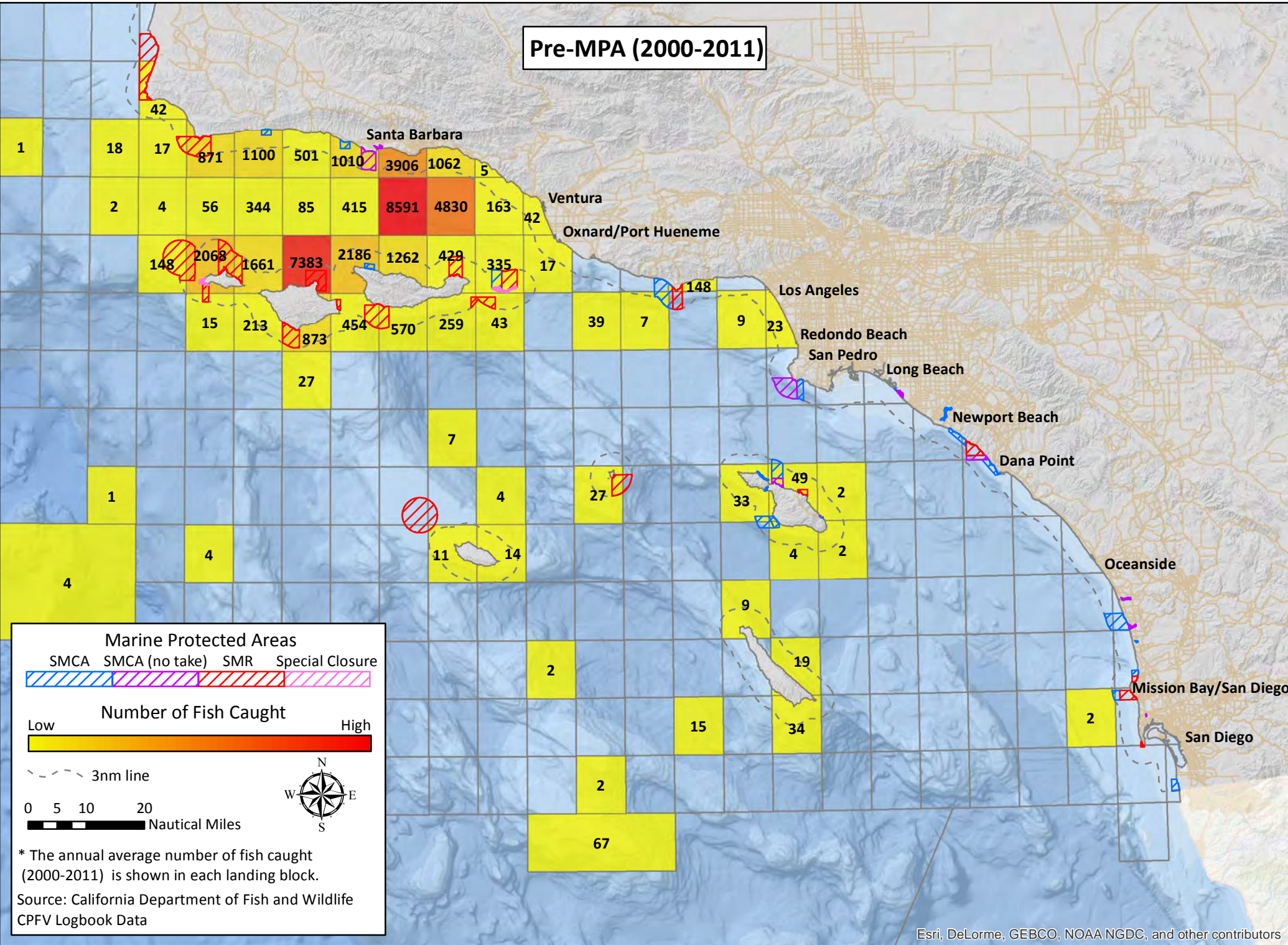


Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

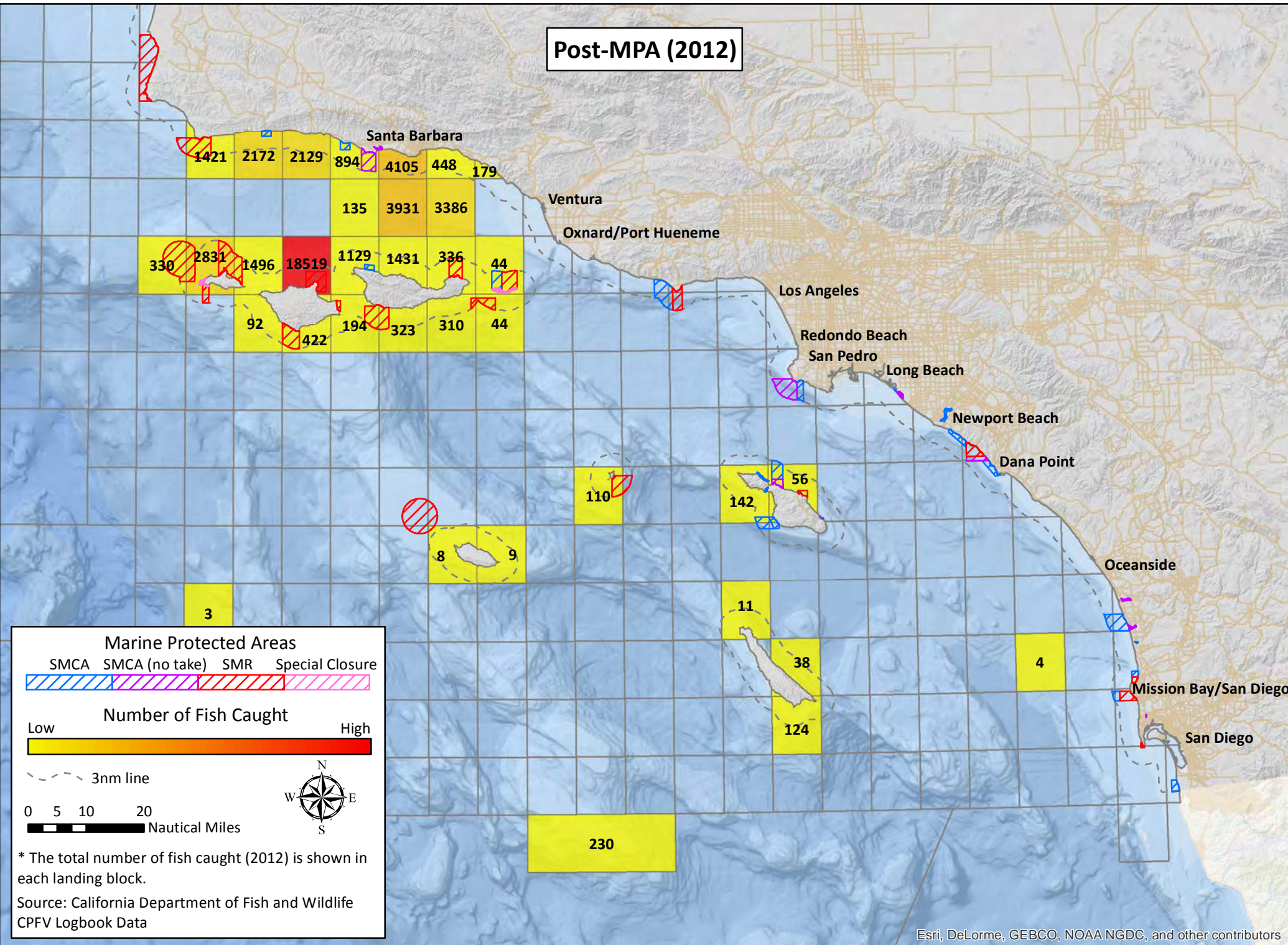
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

# California South Coast Commercial Passenger Fishing Vessel Landing Blocks Santa Barbara – Number of Fish Caught – All Fisheries

Pre-MPA (2000-2011)



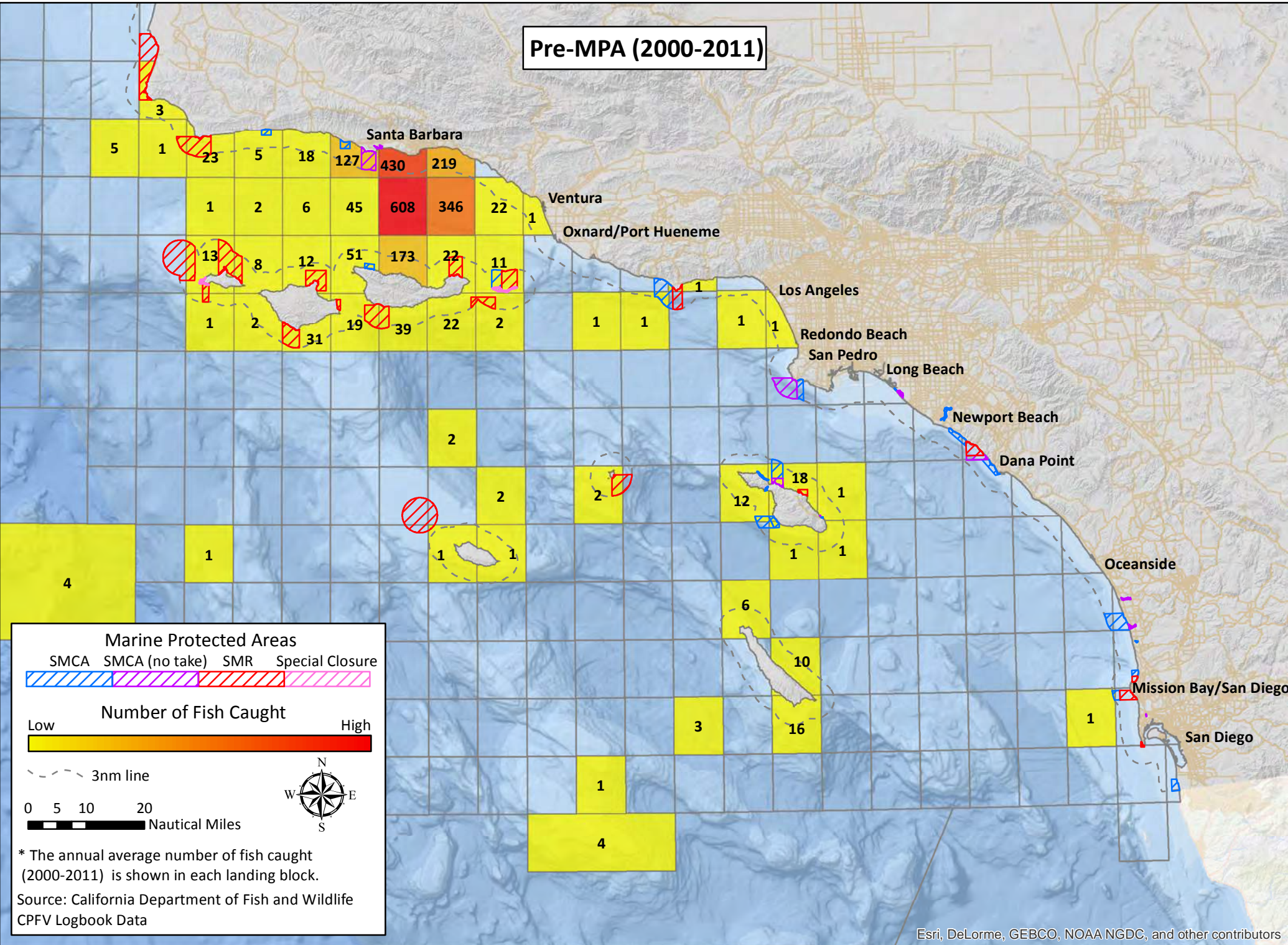
Post-MPA (2012)



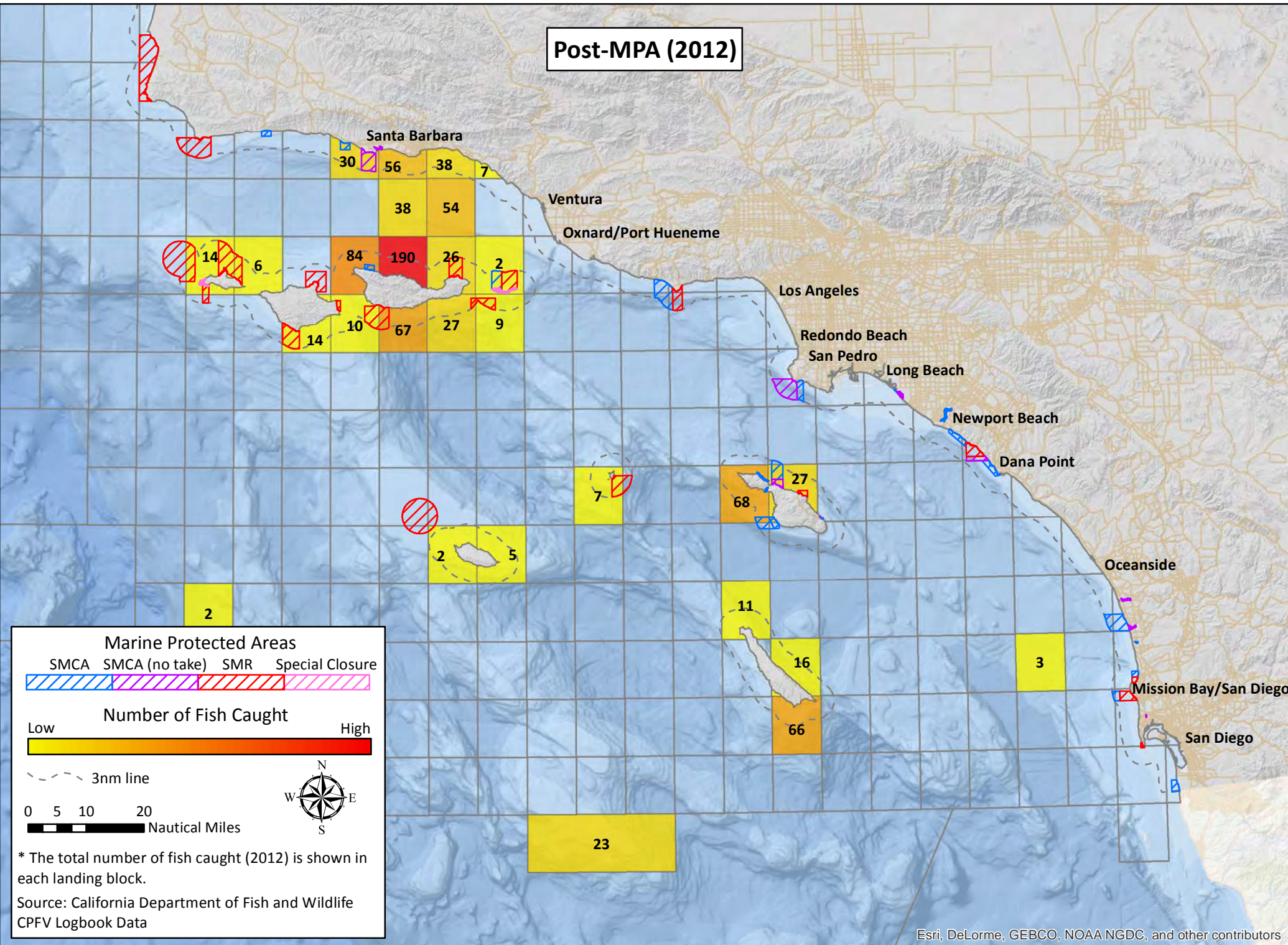
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Santa Barbara – Number of Fish Caught – Kelp bass

Pre-MPA (2000-2011)



Post-MPA (2012)



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

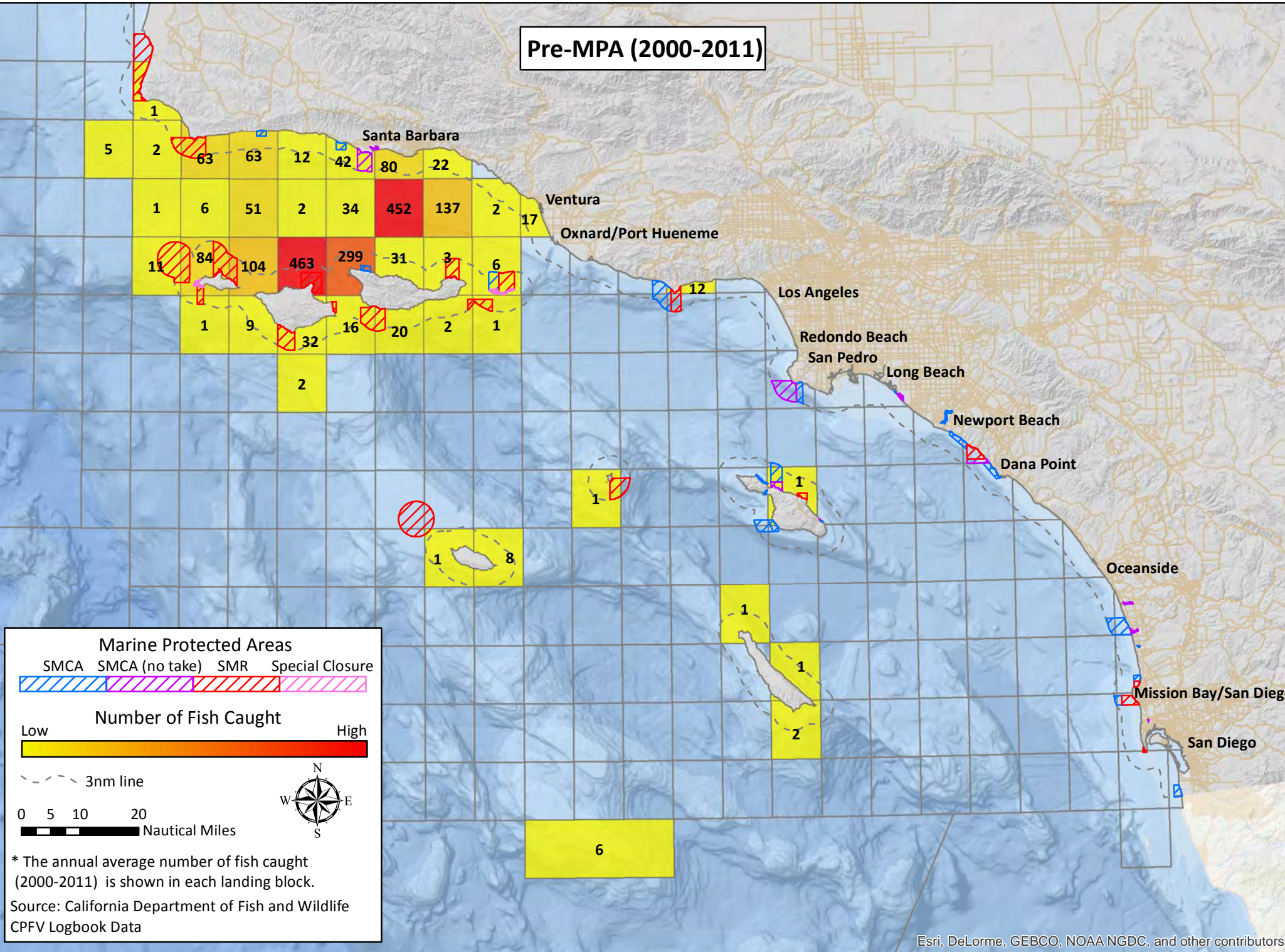
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors



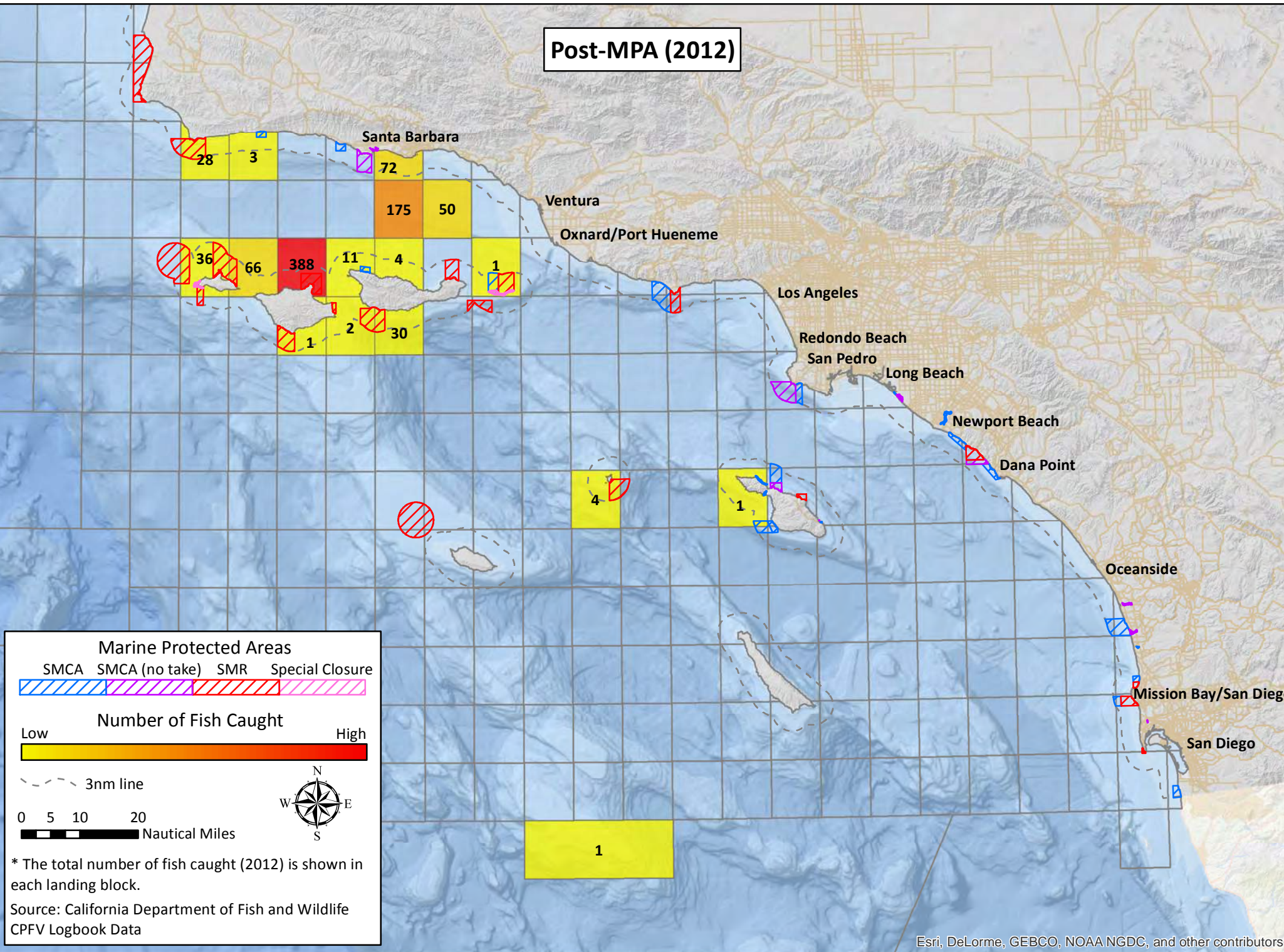
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Santa Barbara – Number of Fish Caught – Ocean whitefish

**Pre-MPA (2000-2011)**



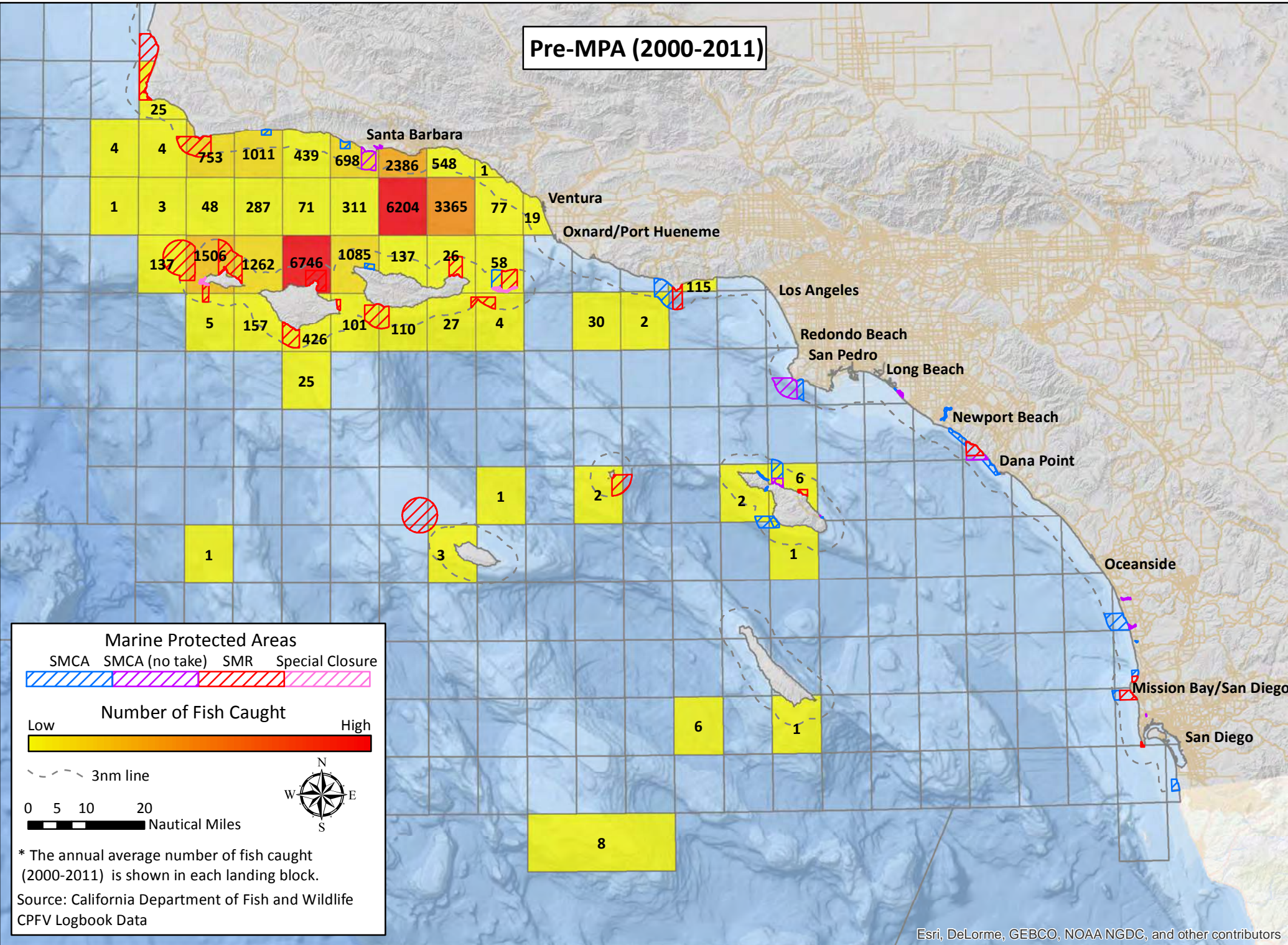
**Post-MPA (2012)**



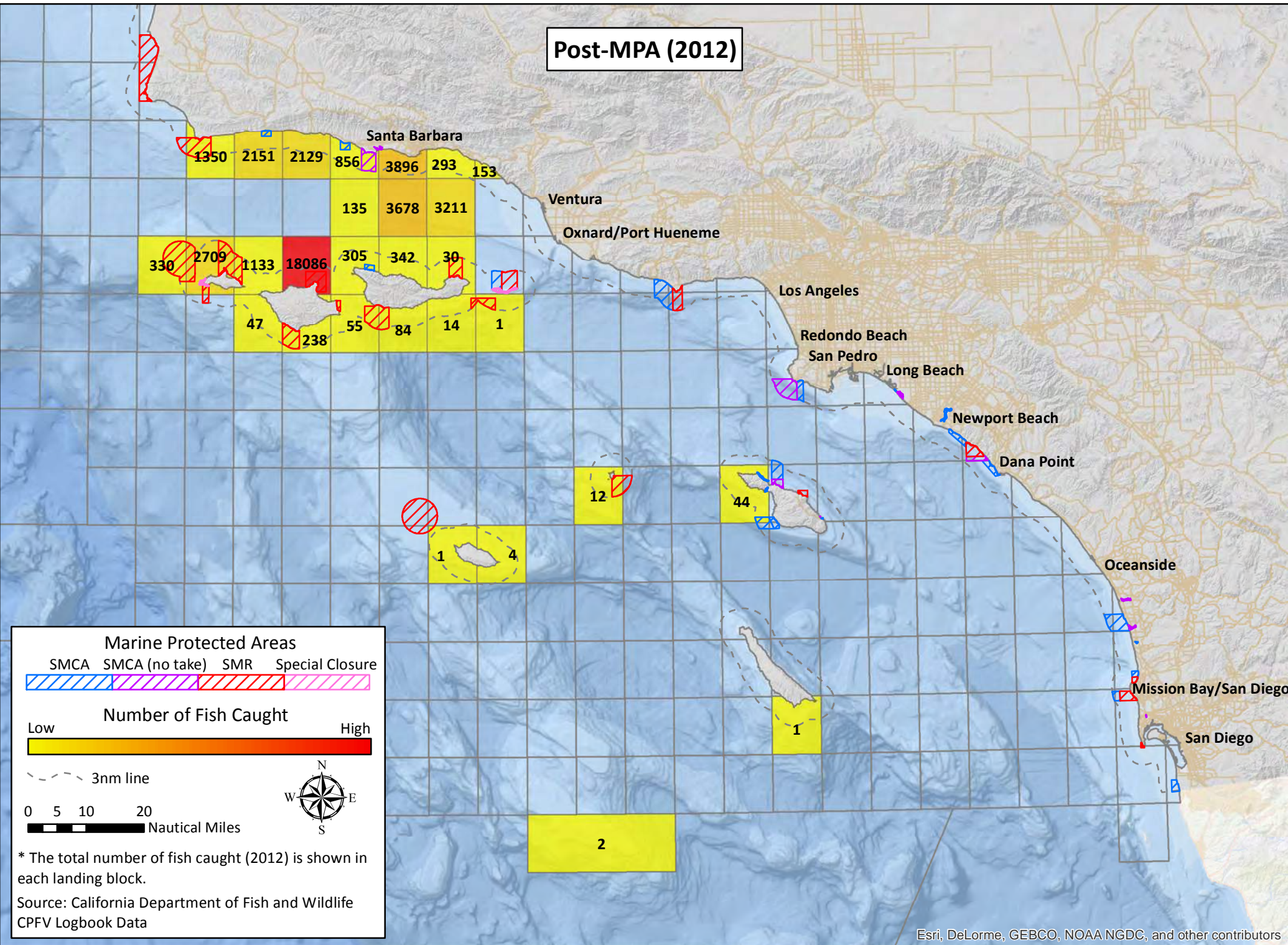
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Santa Barbara – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)



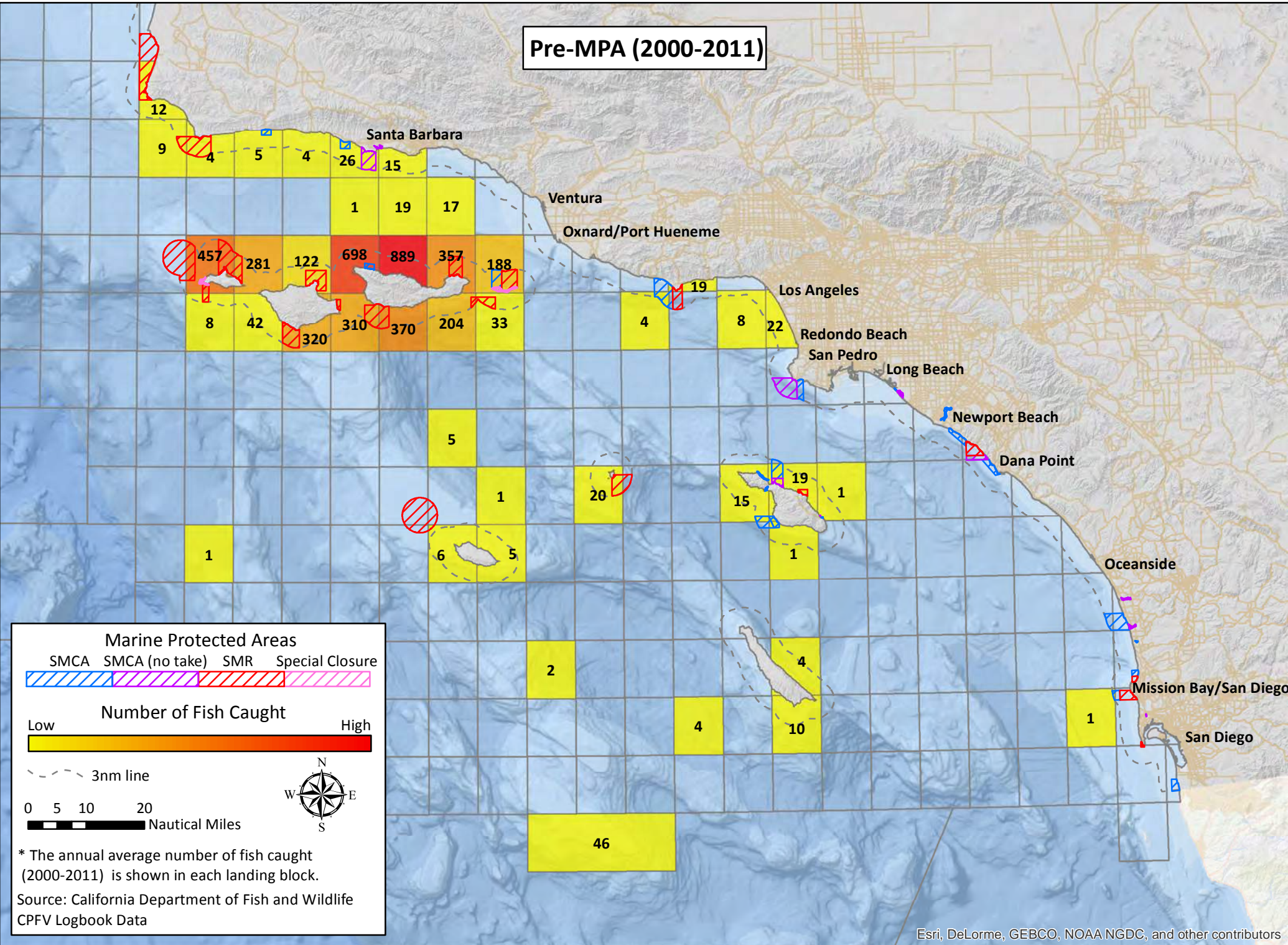
Post-MPA (2012)



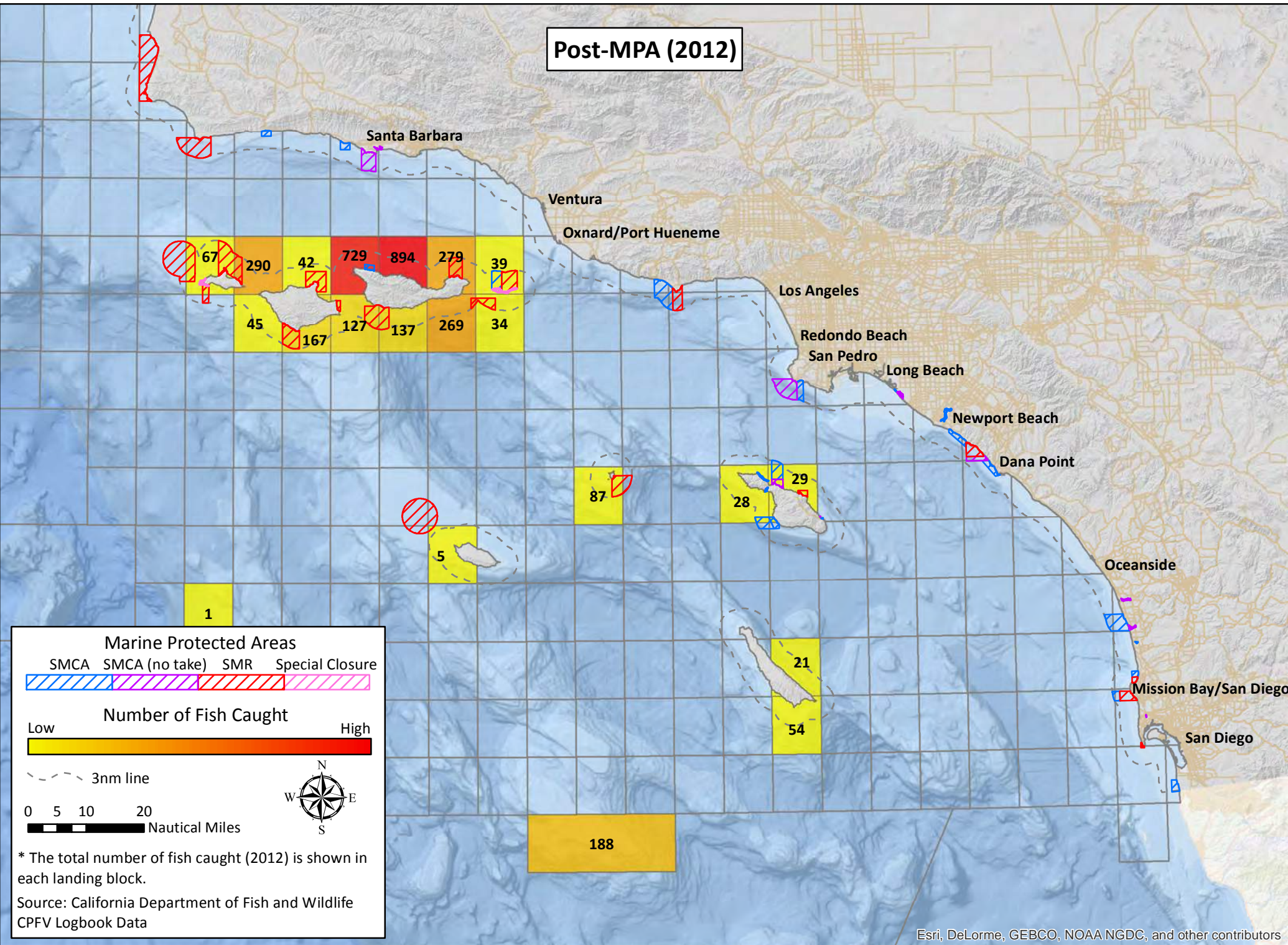
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Santa Barbara – Number of Fish Caught – Scallop

Pre-MPA (2000-2011)



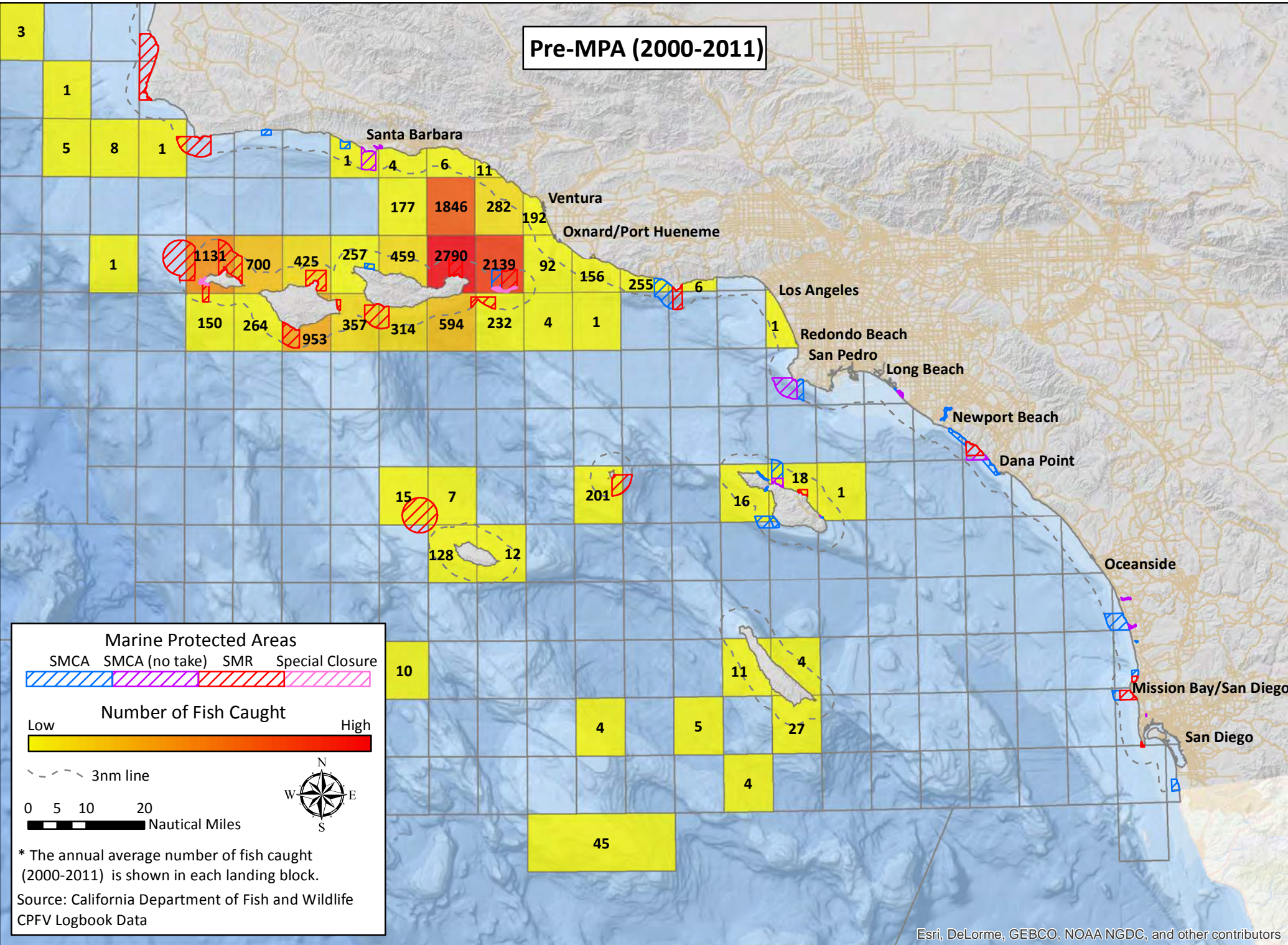
Post-MPA (2012)



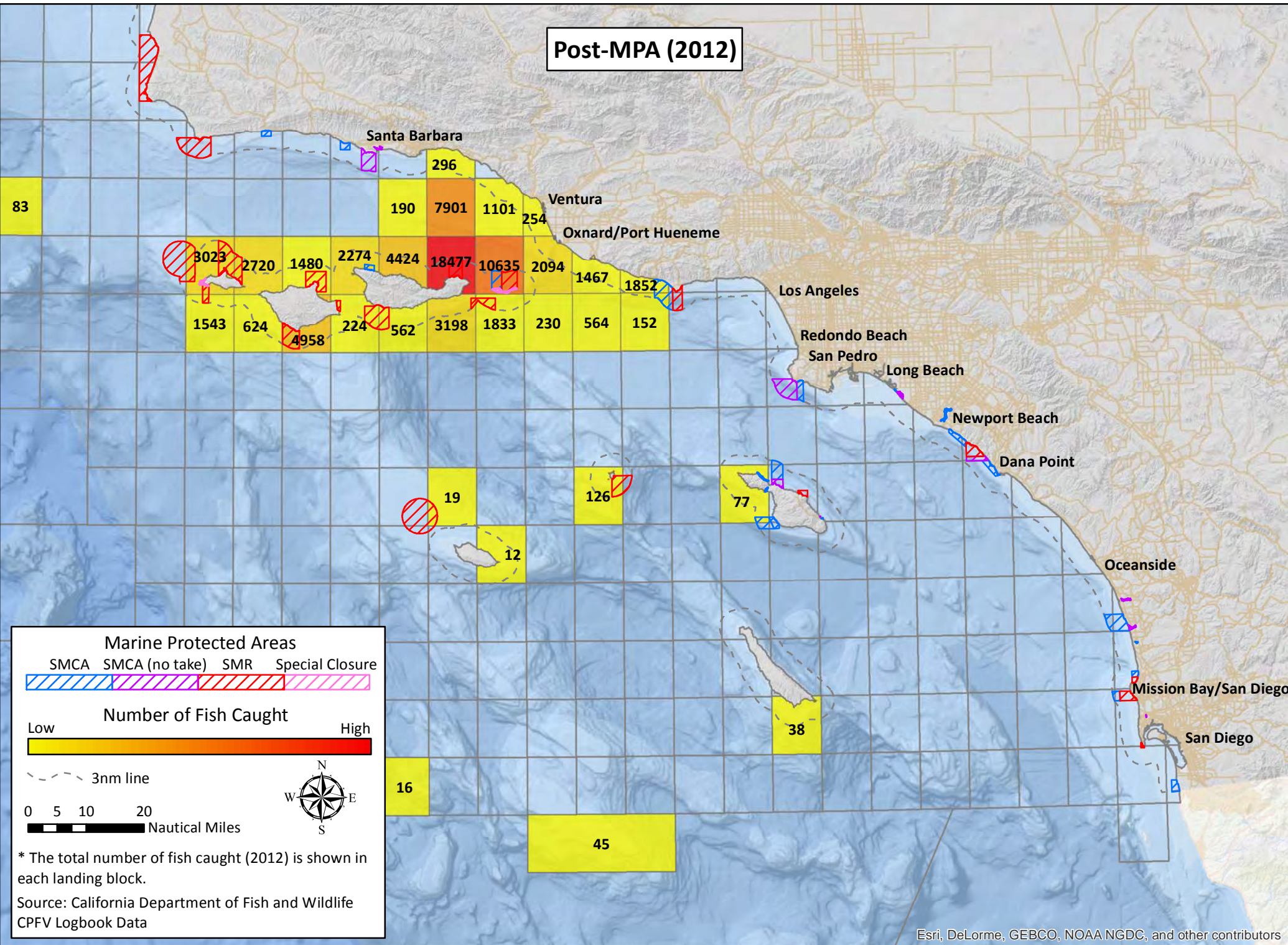
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Ventura – Number of Fish Caught – All Fisheries

Pre-MPA (2000-2011)



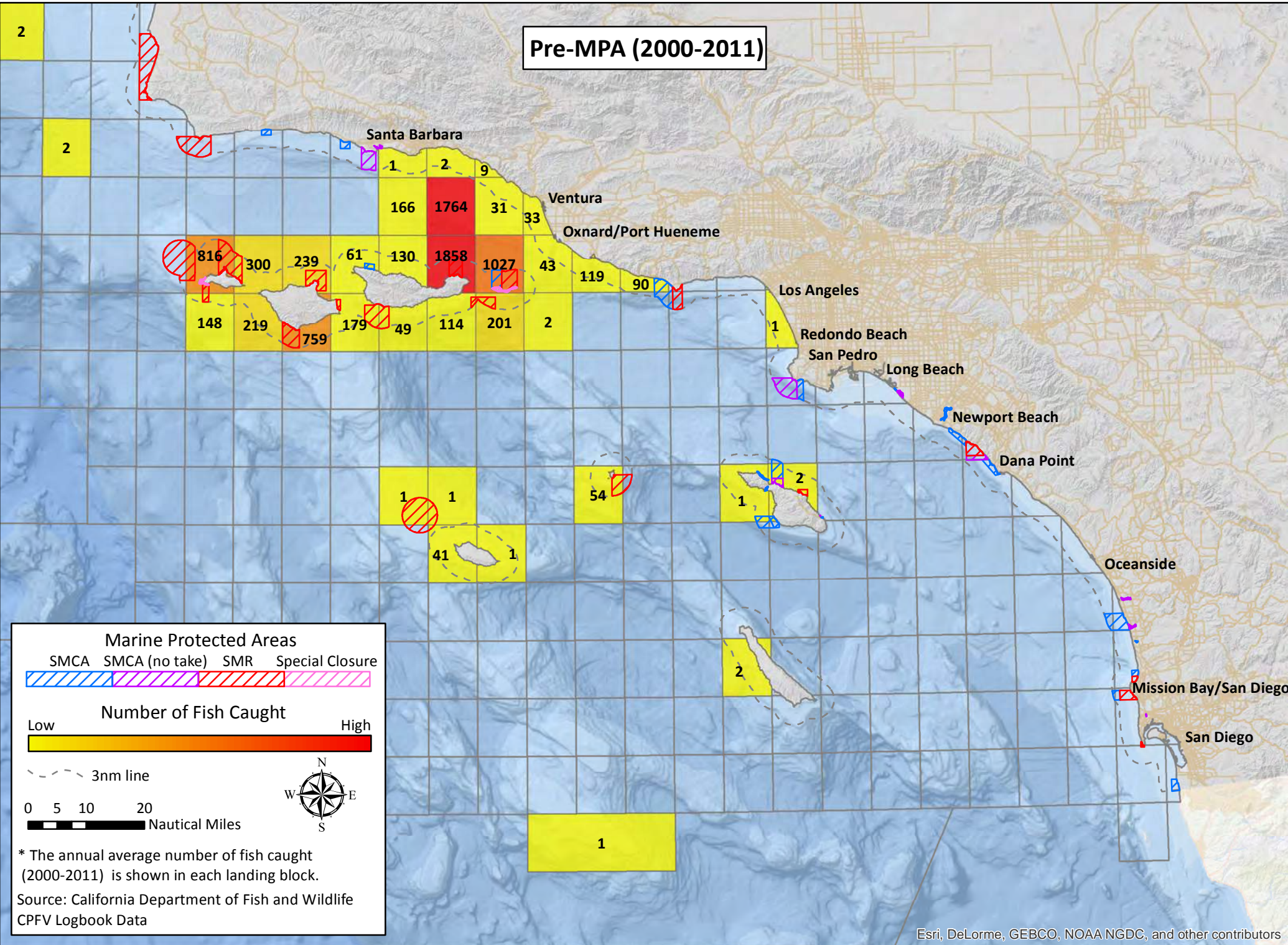
Post-MPA (2012)



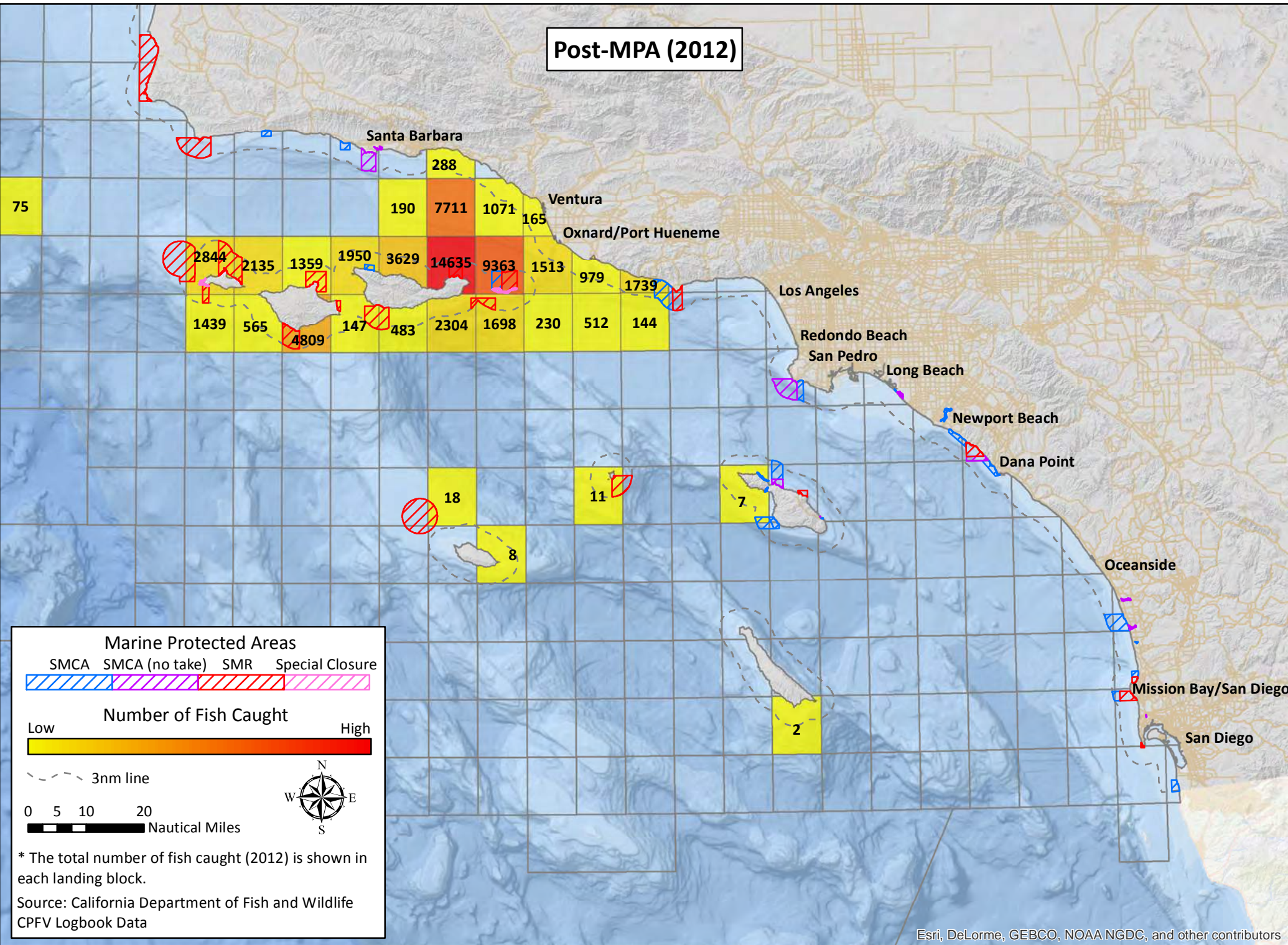
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Ventura – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)



Post-MPA (2012)

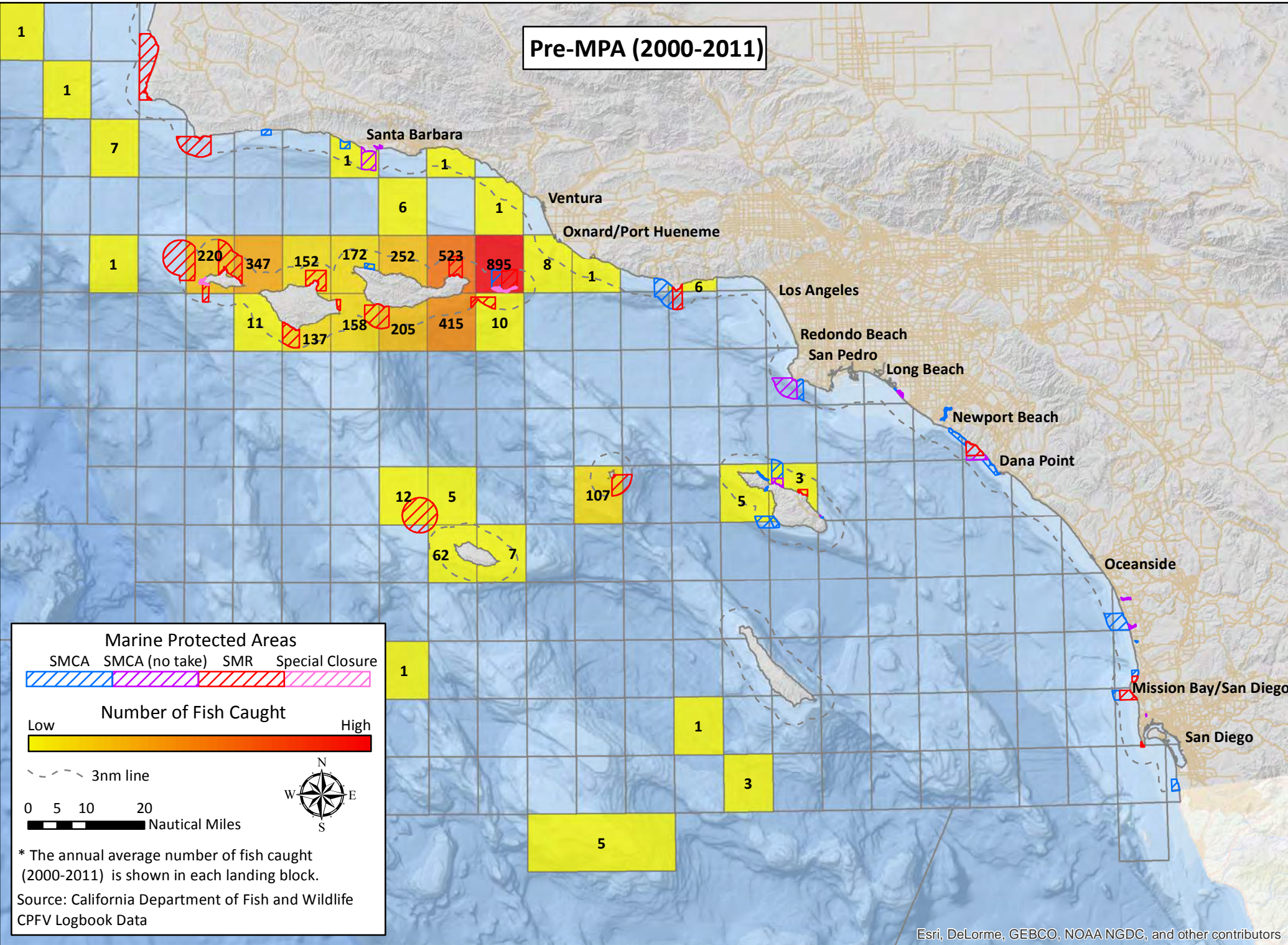


Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

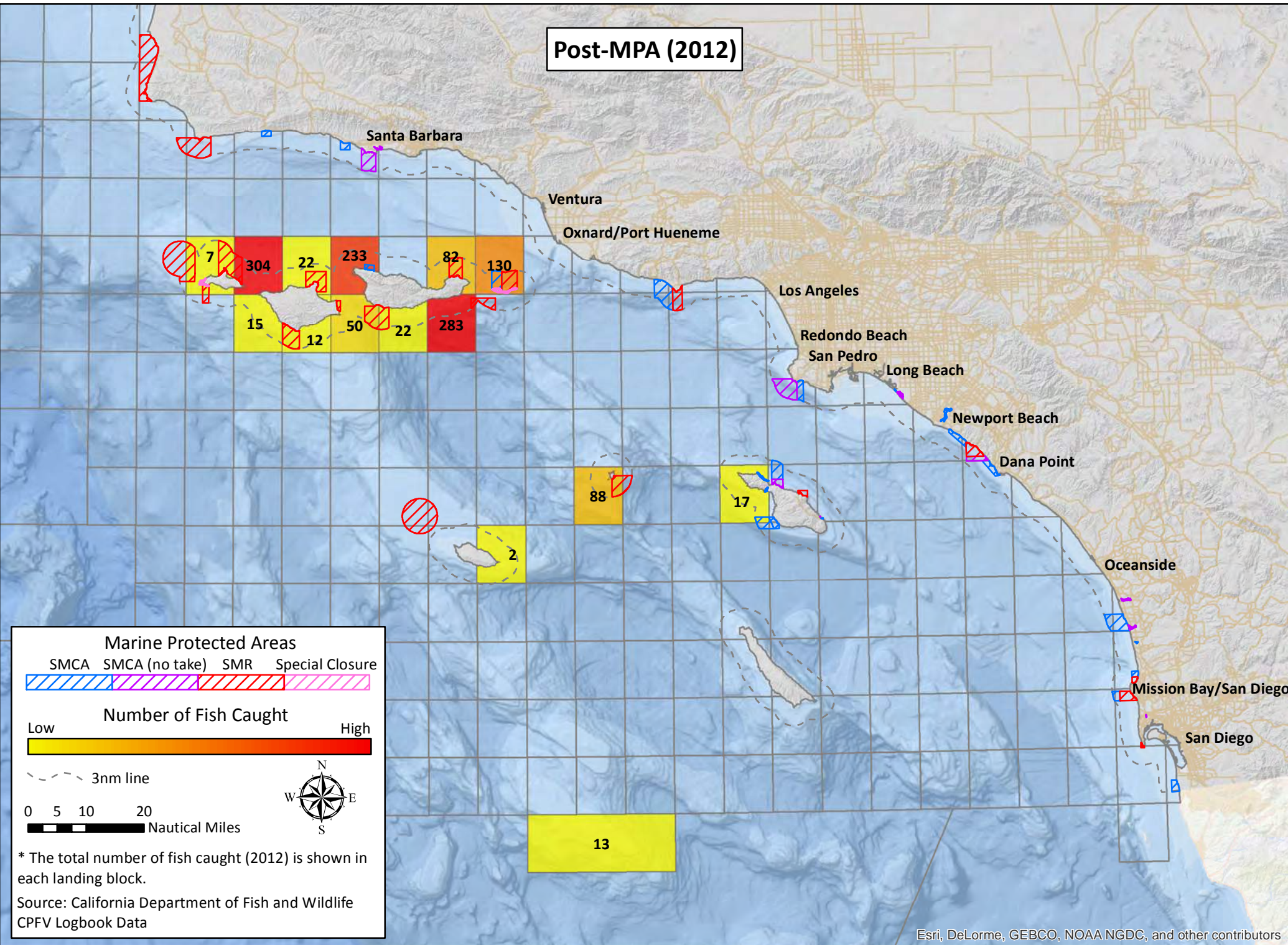
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

# California South Coast Commercial Passenger Fishing Vessel Landing Blocks Ventura – Number of Fish Caught – Scallop

Pre-MPA (2000-2011)



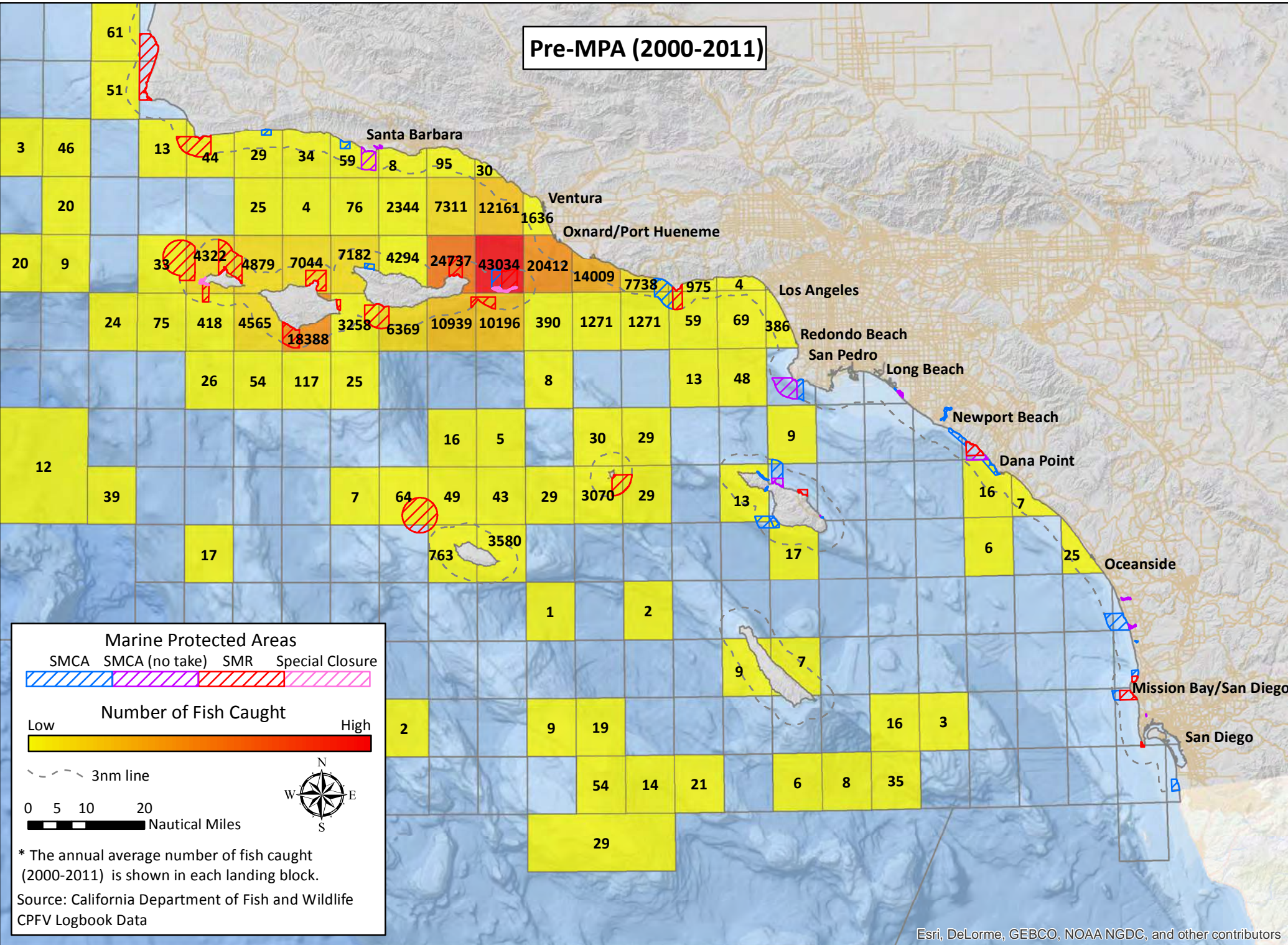
Post-MPA (2012)



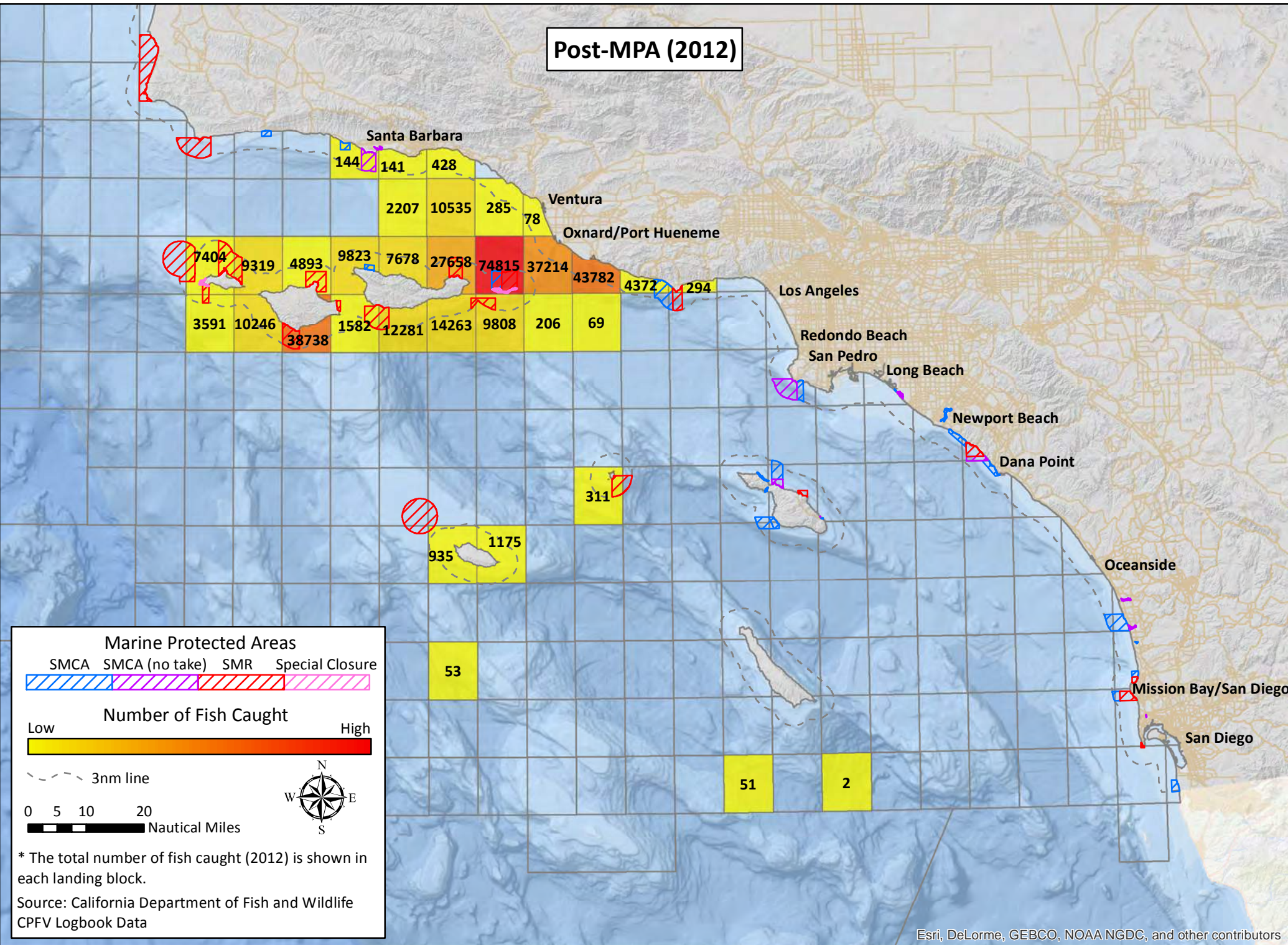
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Oxnard/Port Hueneme – Number of Fish Caught – All Fisheries

Pre-MPA (2000-2011)



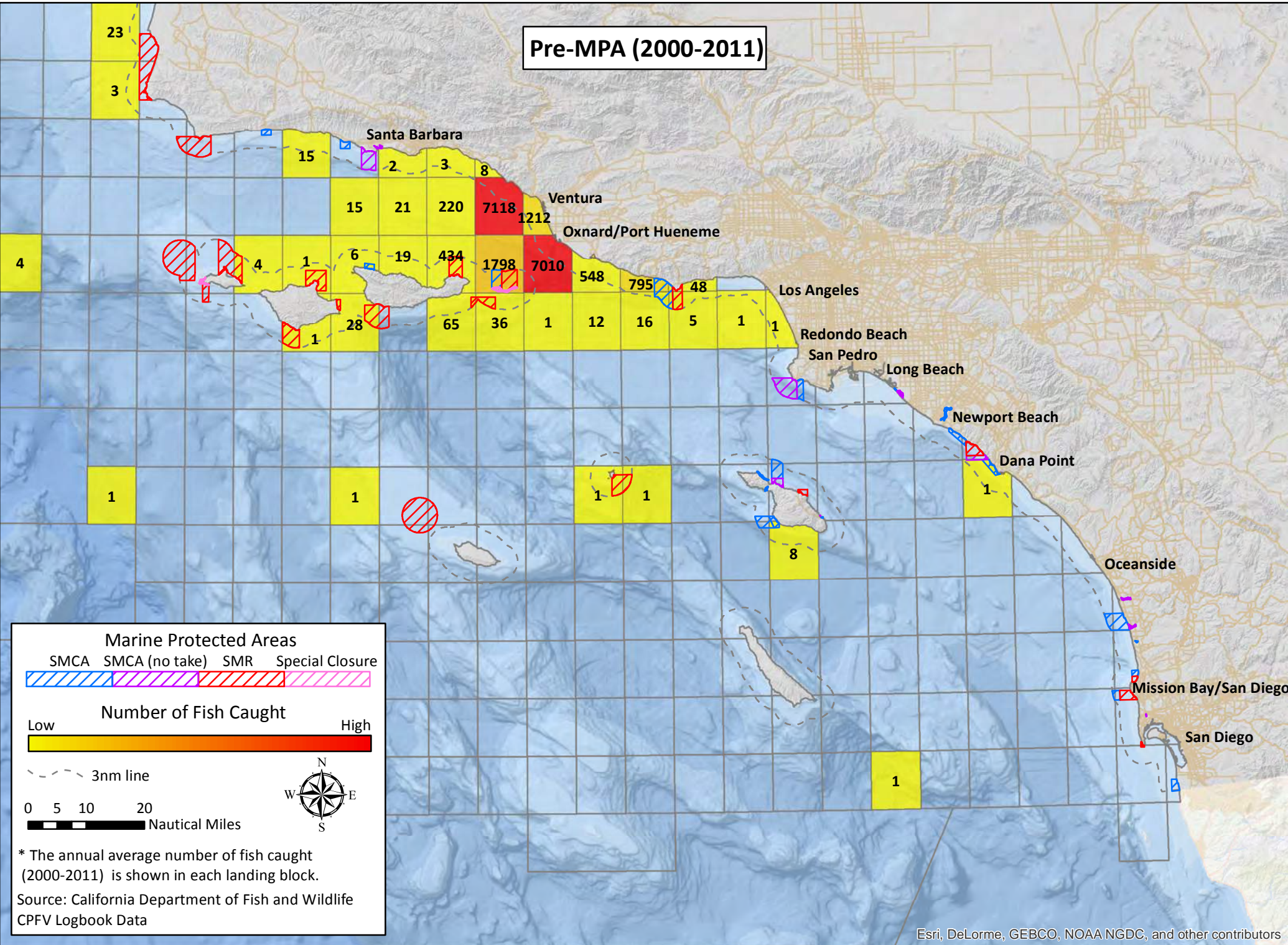
Post-MPA (2012)



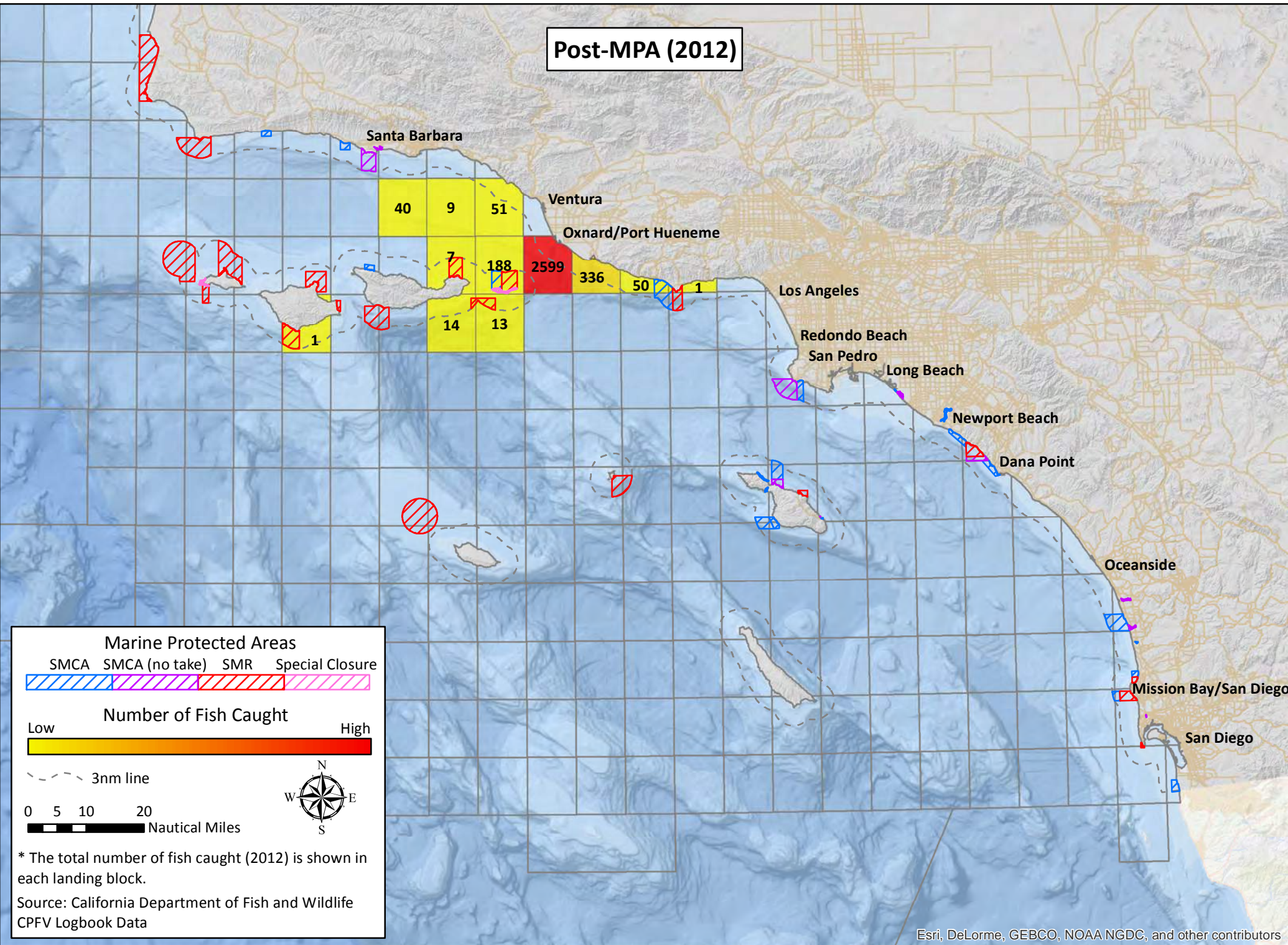
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Oxnard/Port Hueneme – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)



Post-MPA (2012)

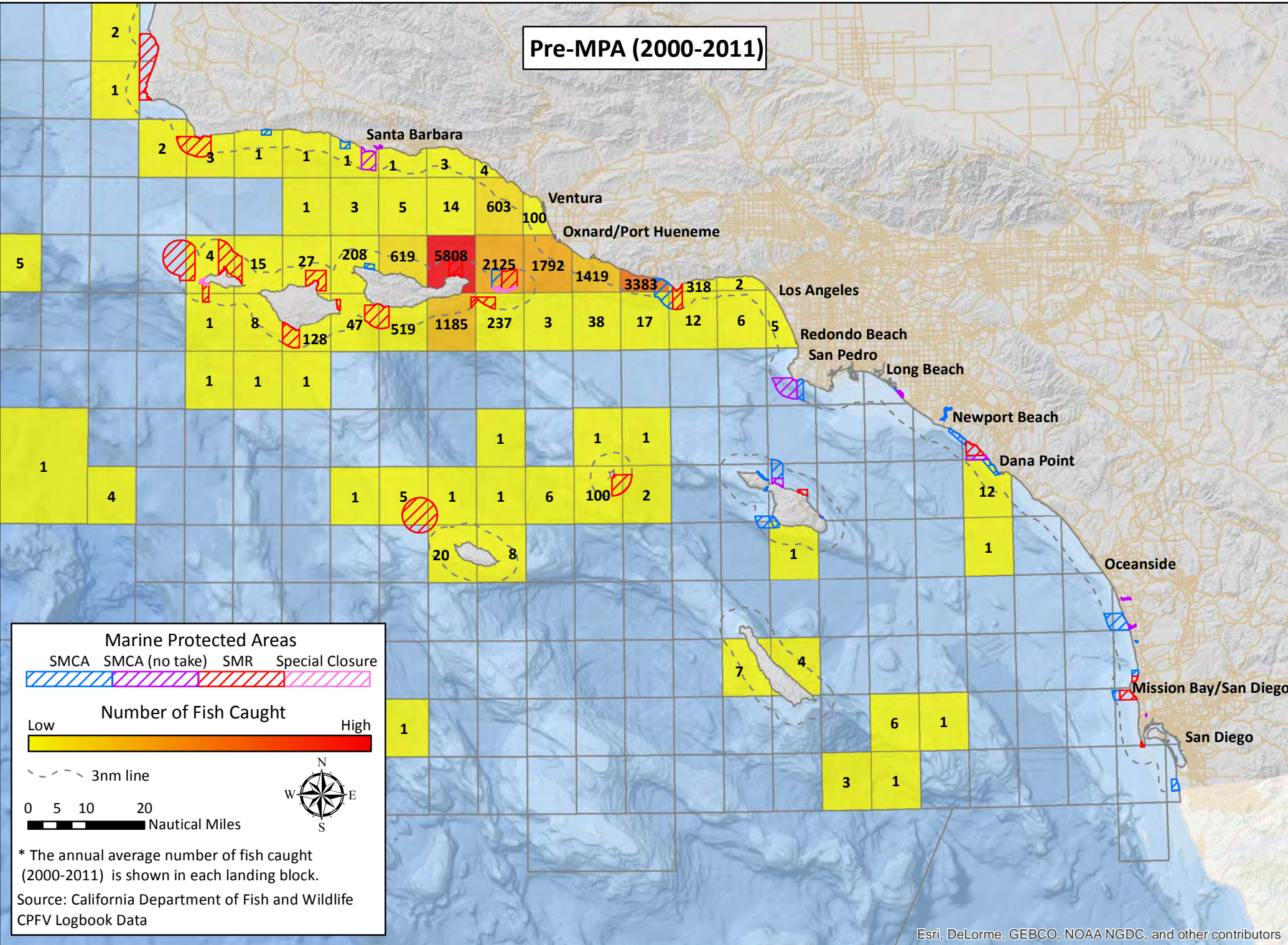




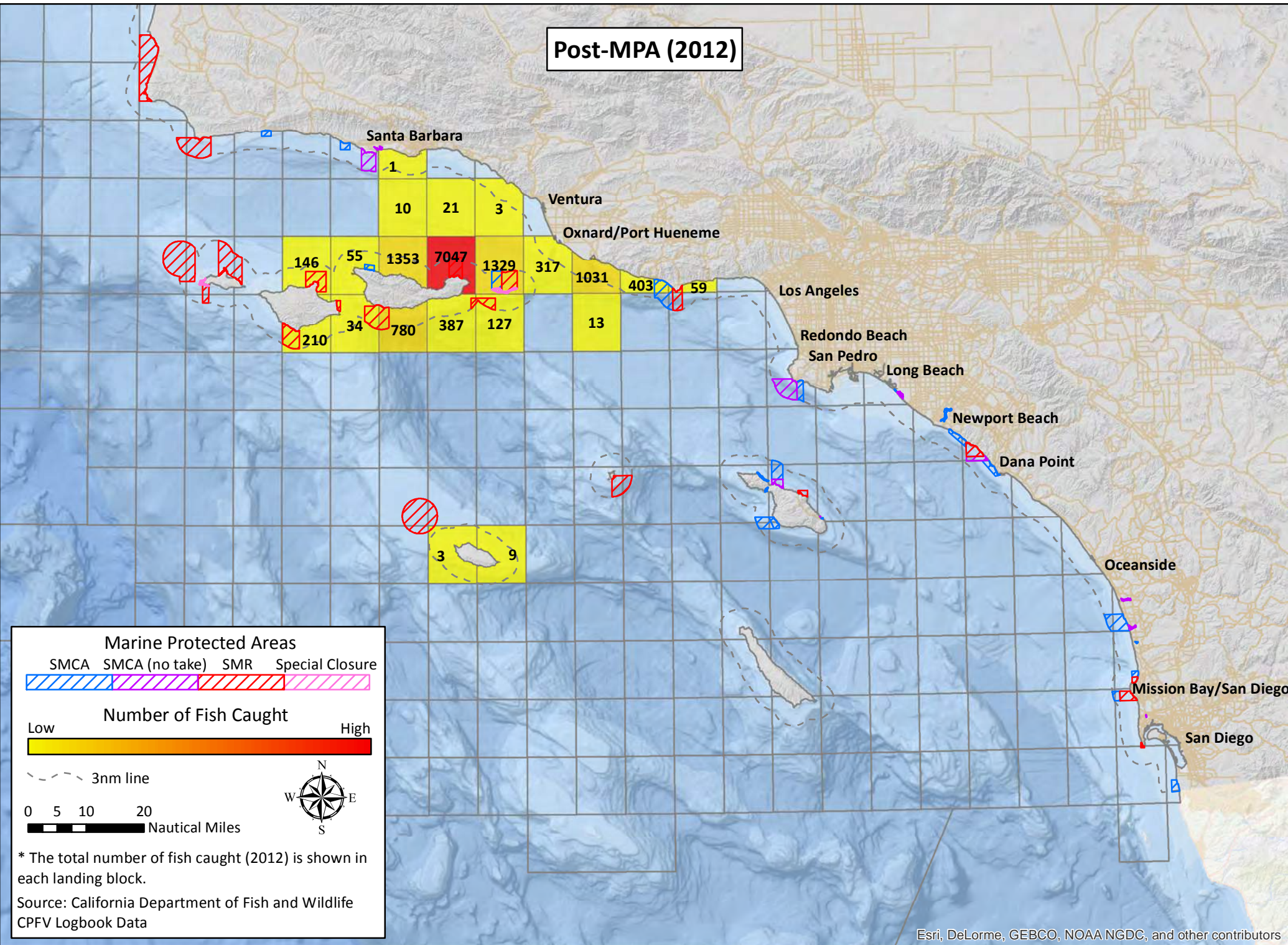
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Oxnard/Port Hueneme – Number of Fish Caught – Kelp bass

Pre-MPA (2000-2011)



Post-MPA (2012)



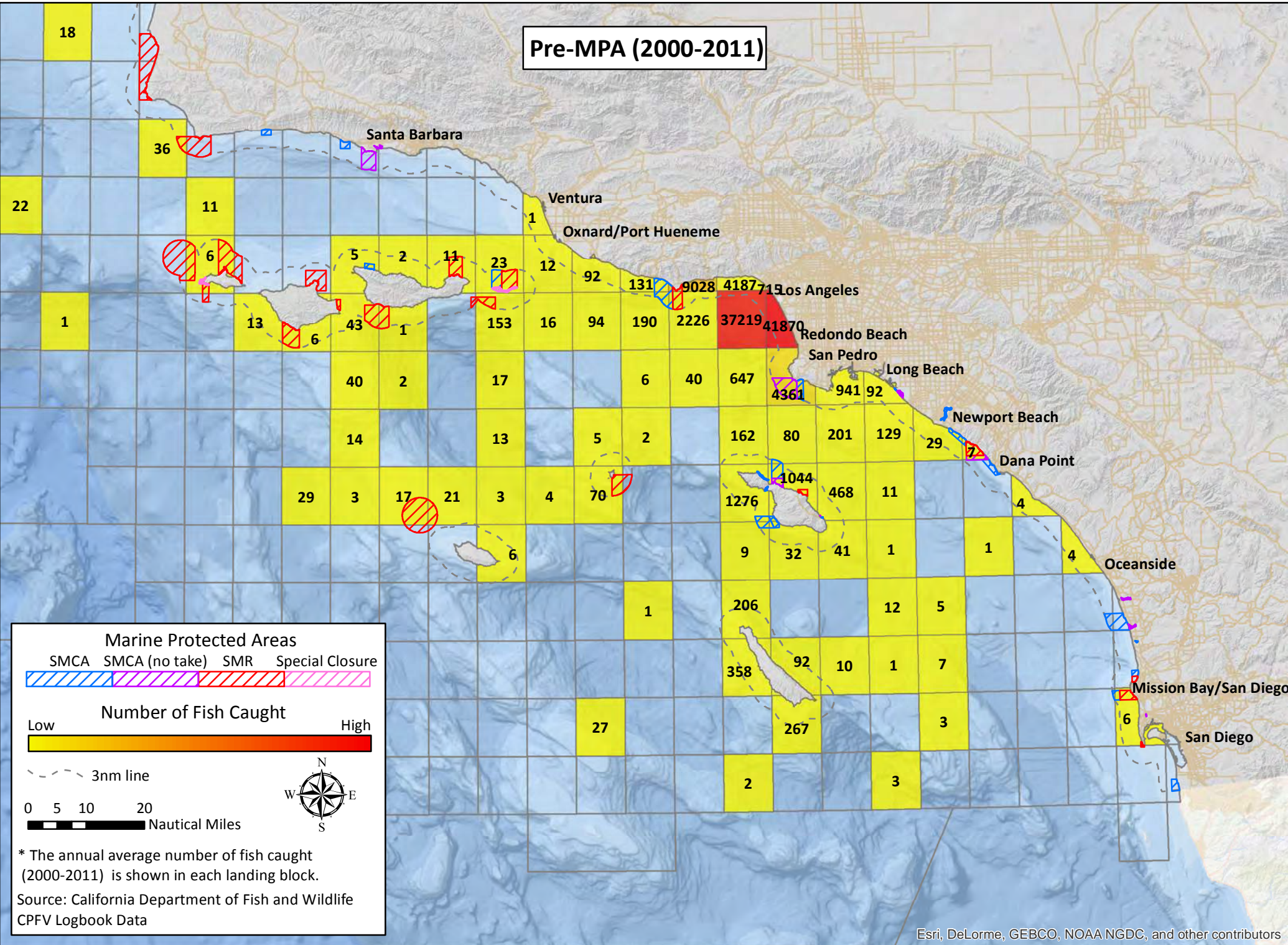




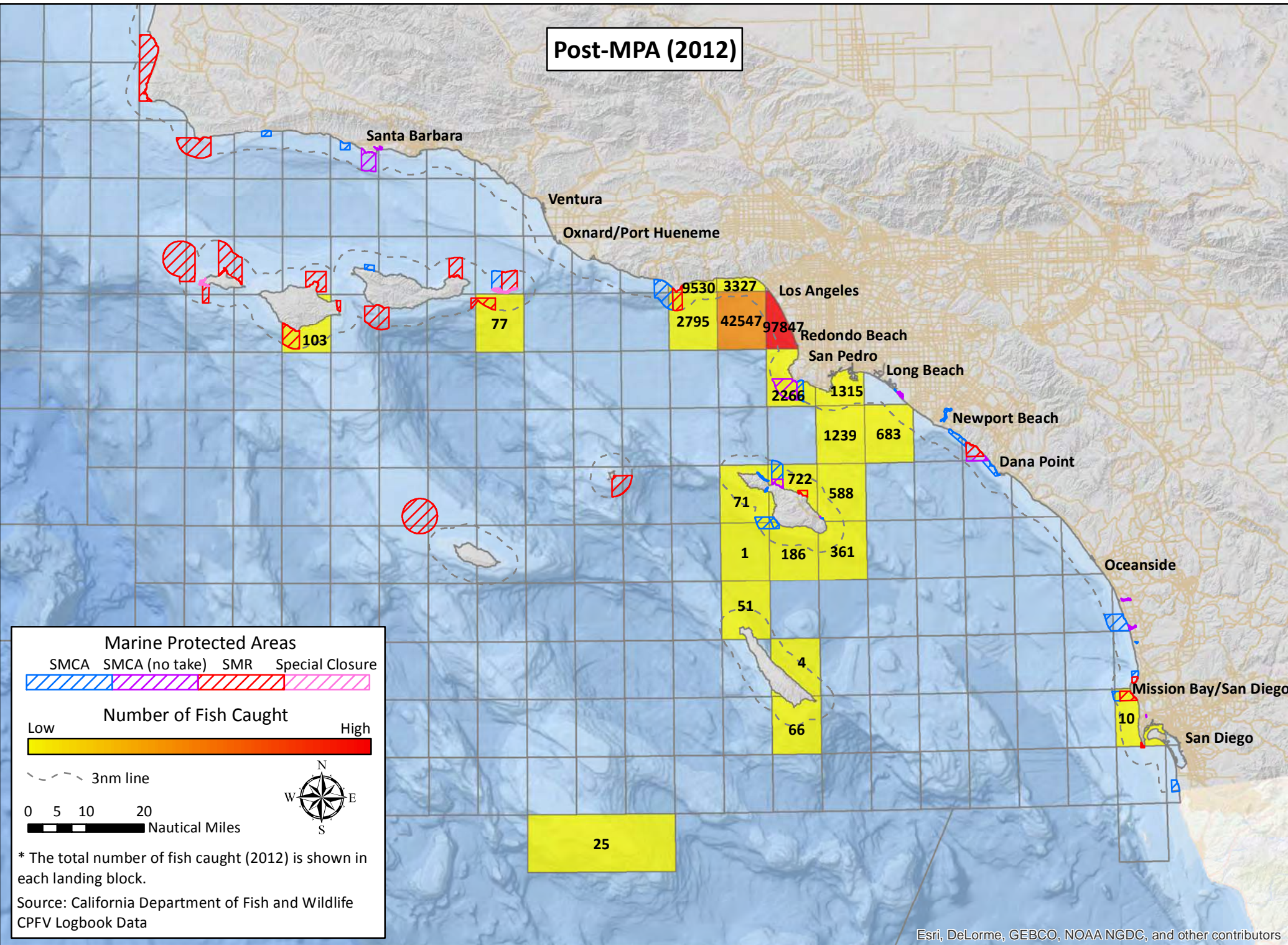
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Los Angeles – Number of Fish Caught – All Fisheries

Pre-MPA (2000-2011)



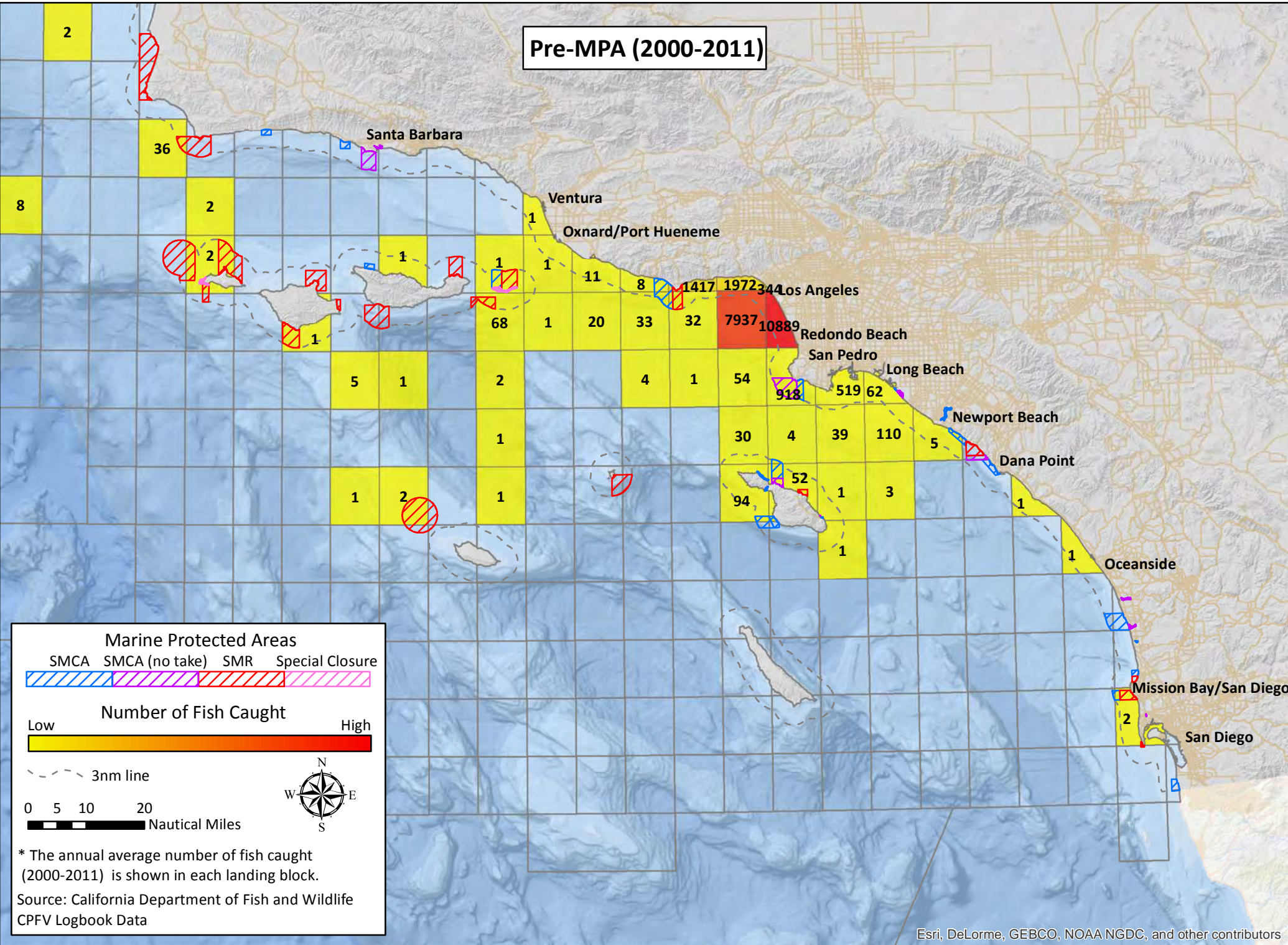
Post-MPA (2012)



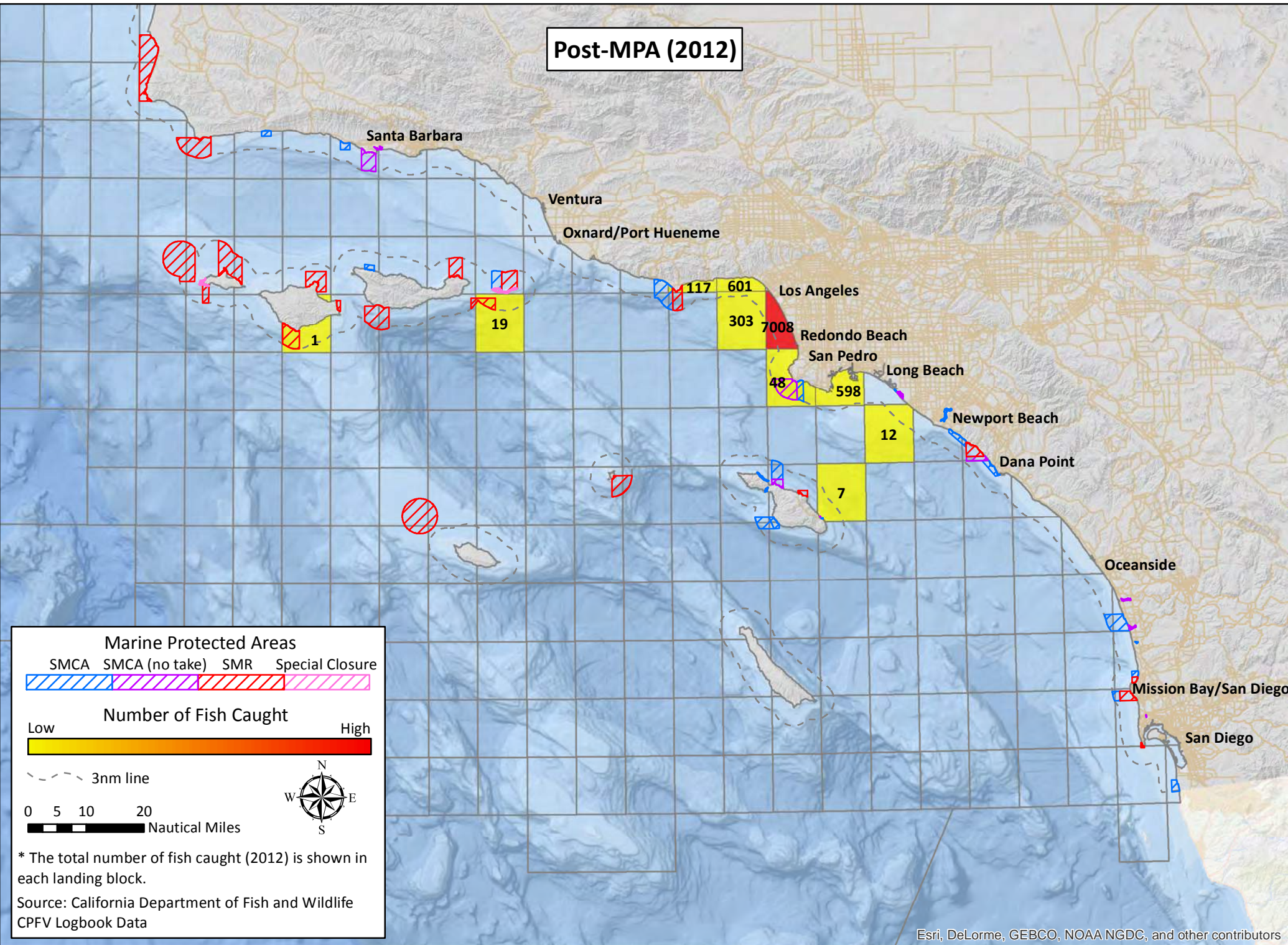
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Los Angeles – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)



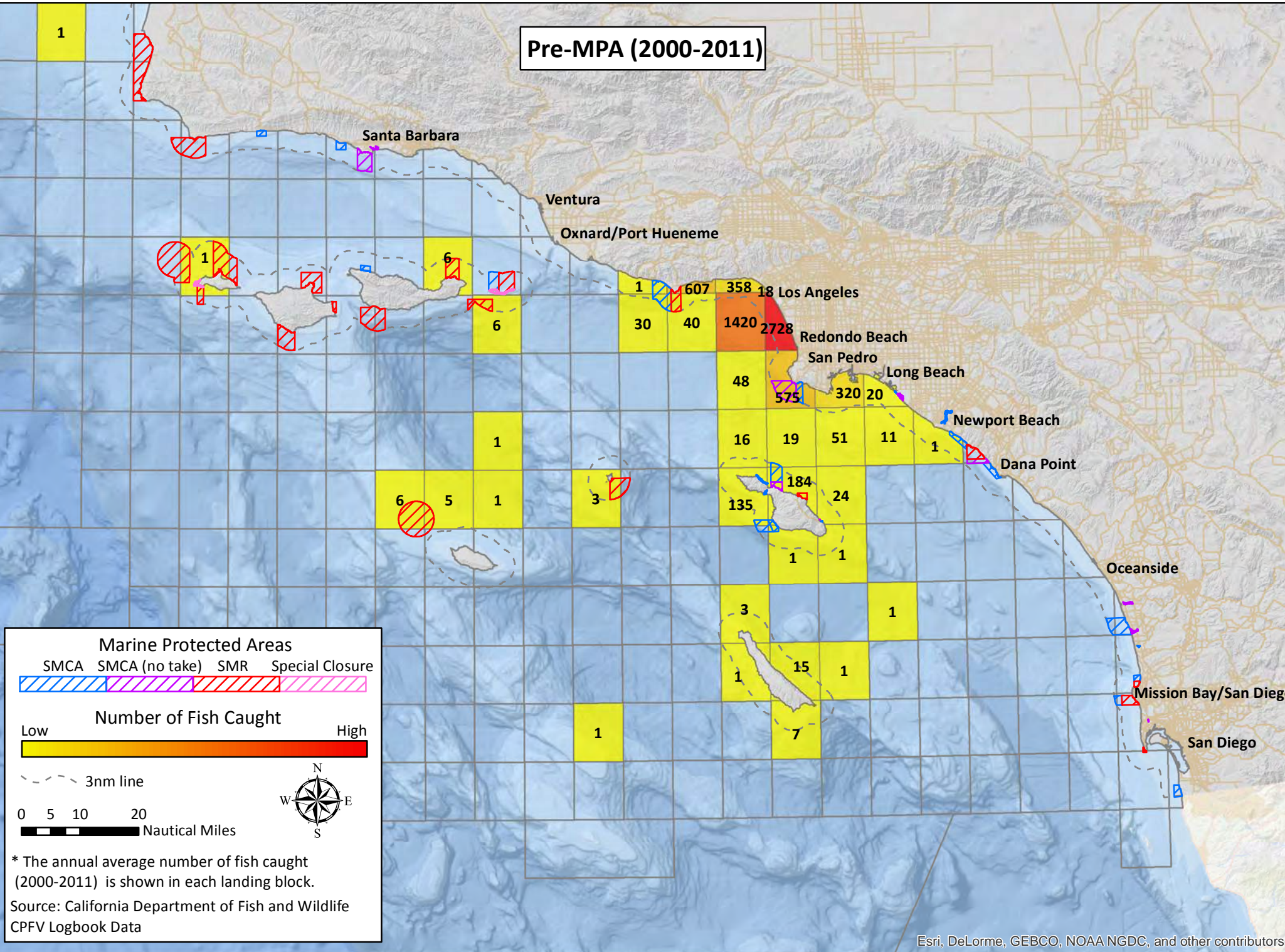
Post-MPA (2012)



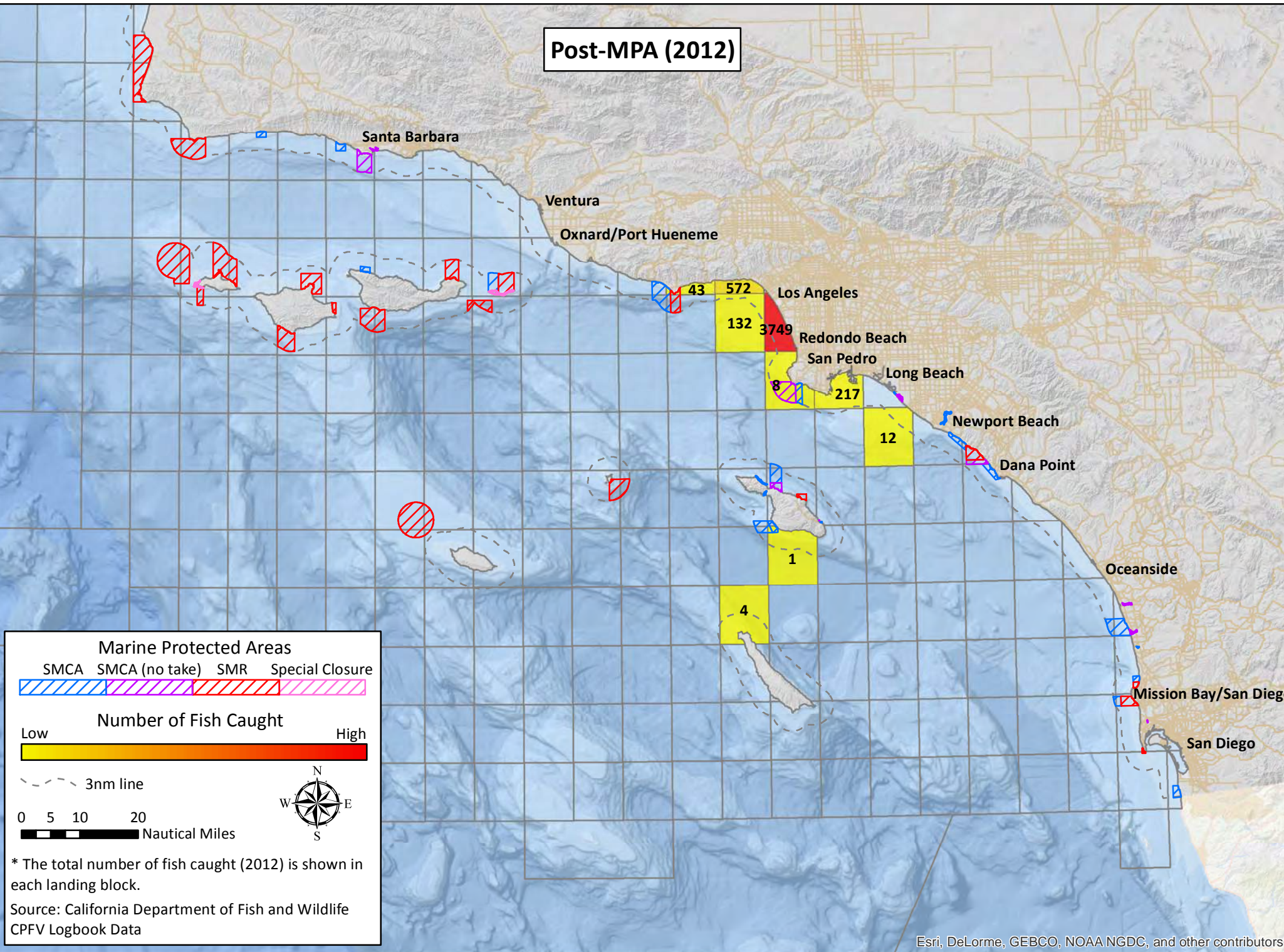
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Los Angeles – Number of Fish Caught – California barracuda

**Pre-MPA (2000-2011)**



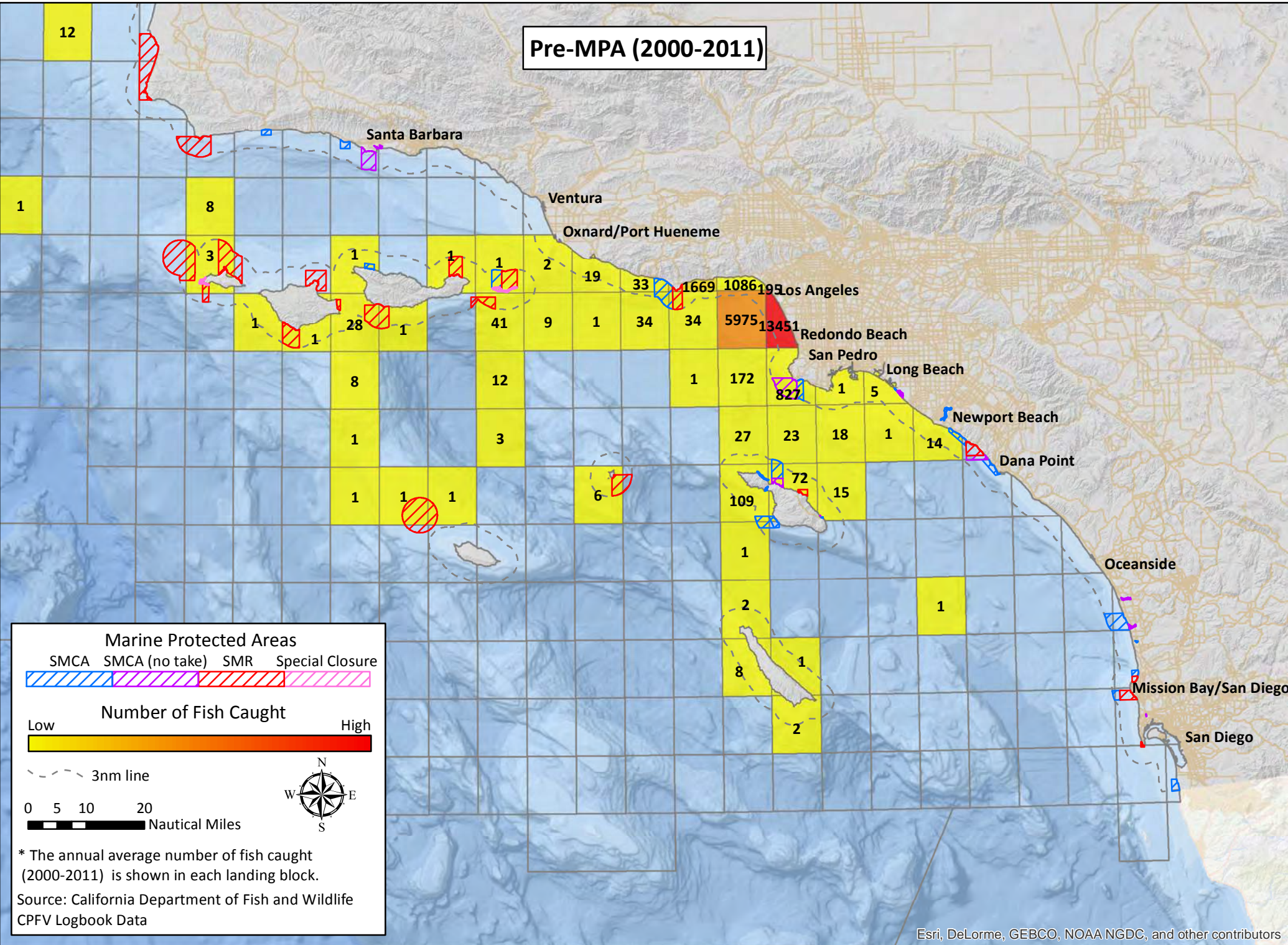
**Post-MPA (2012)**



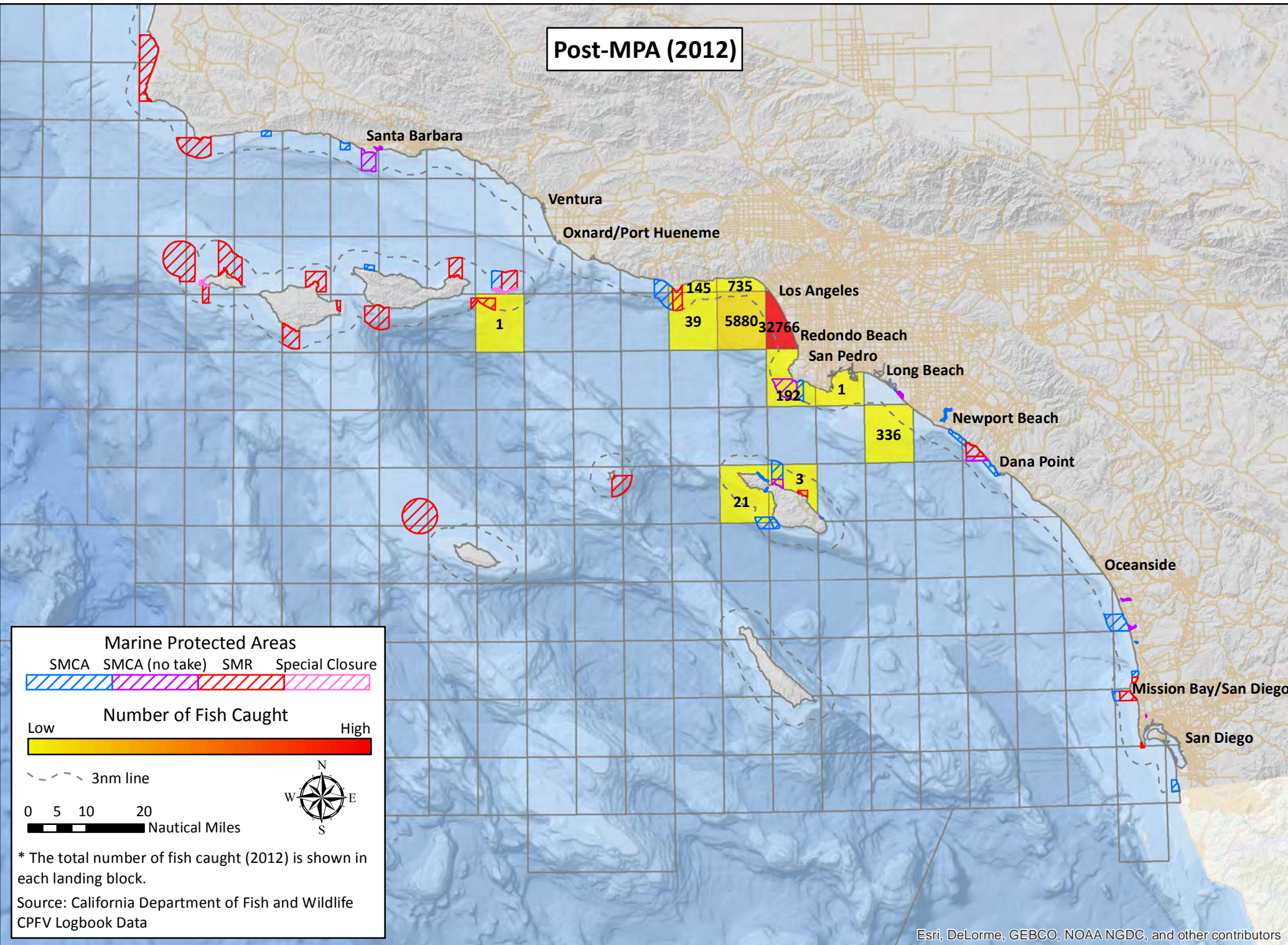
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Los Angeles – Number of Fish Caught – California scorpionfish

Pre-MPA (2000-2011)



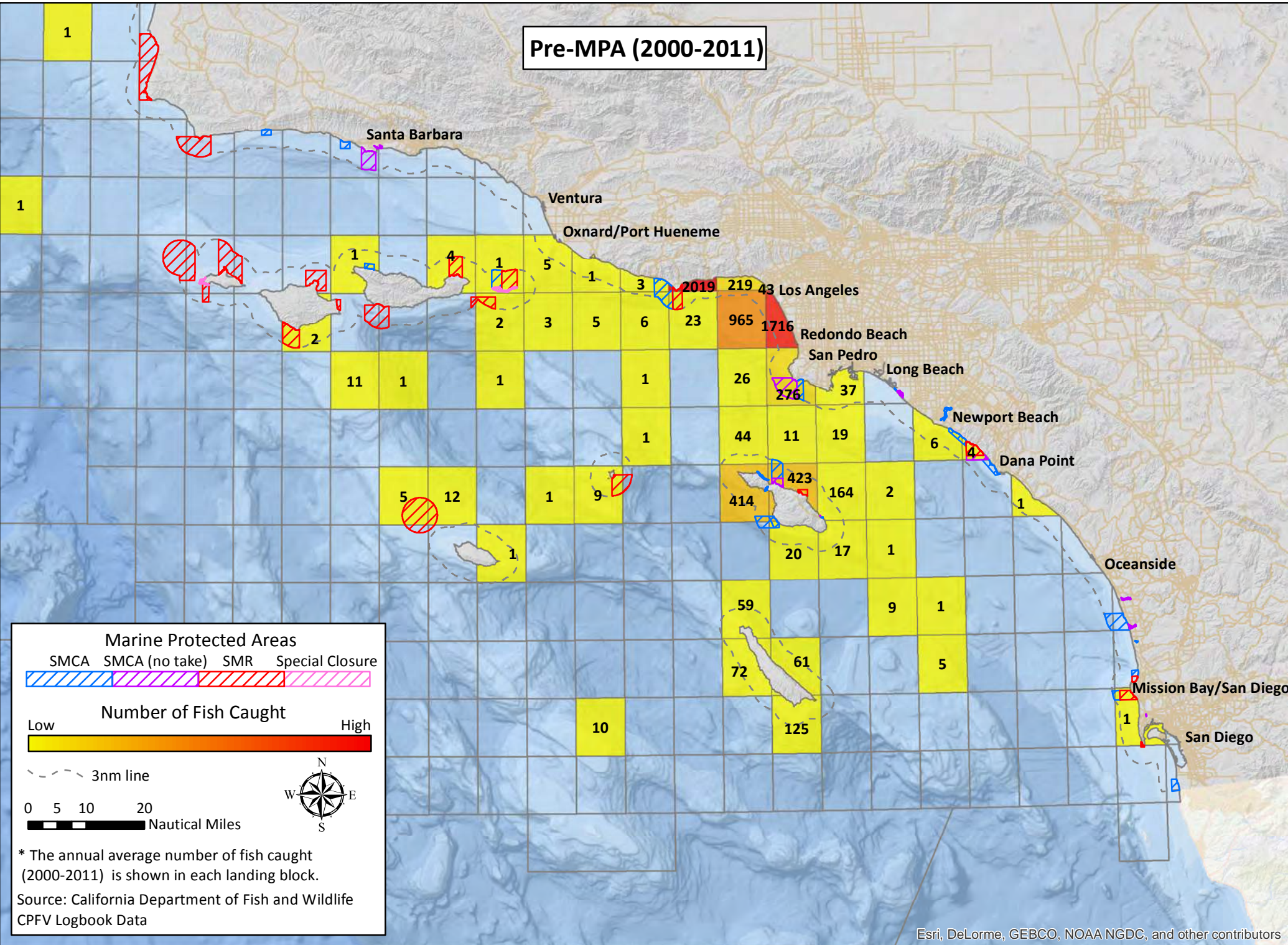
Post-MPA (2012)



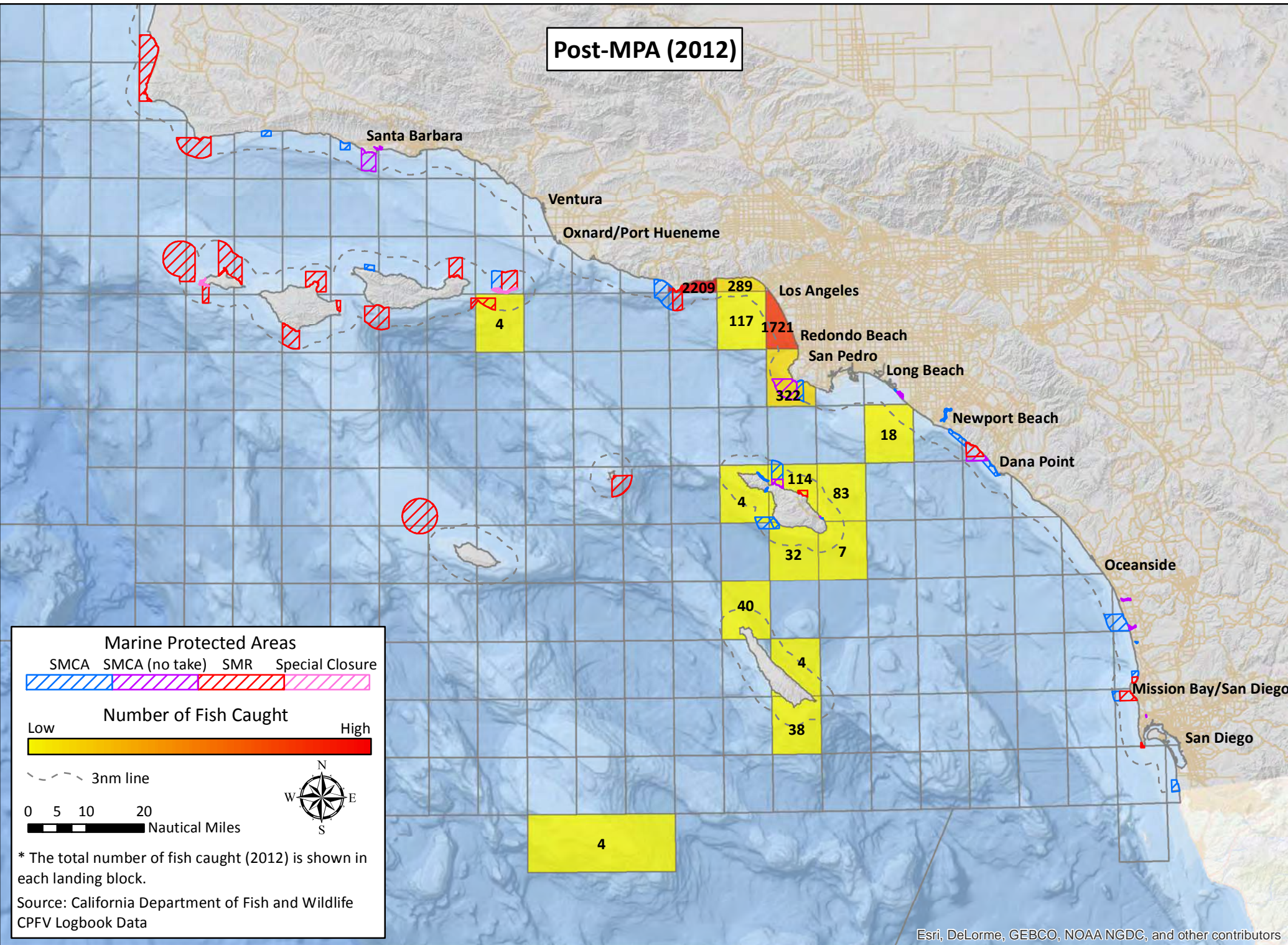
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Los Angeles – Number of Fish Caught – Kelp bass

Pre-MPA (2000-2011)



Post-MPA (2012)

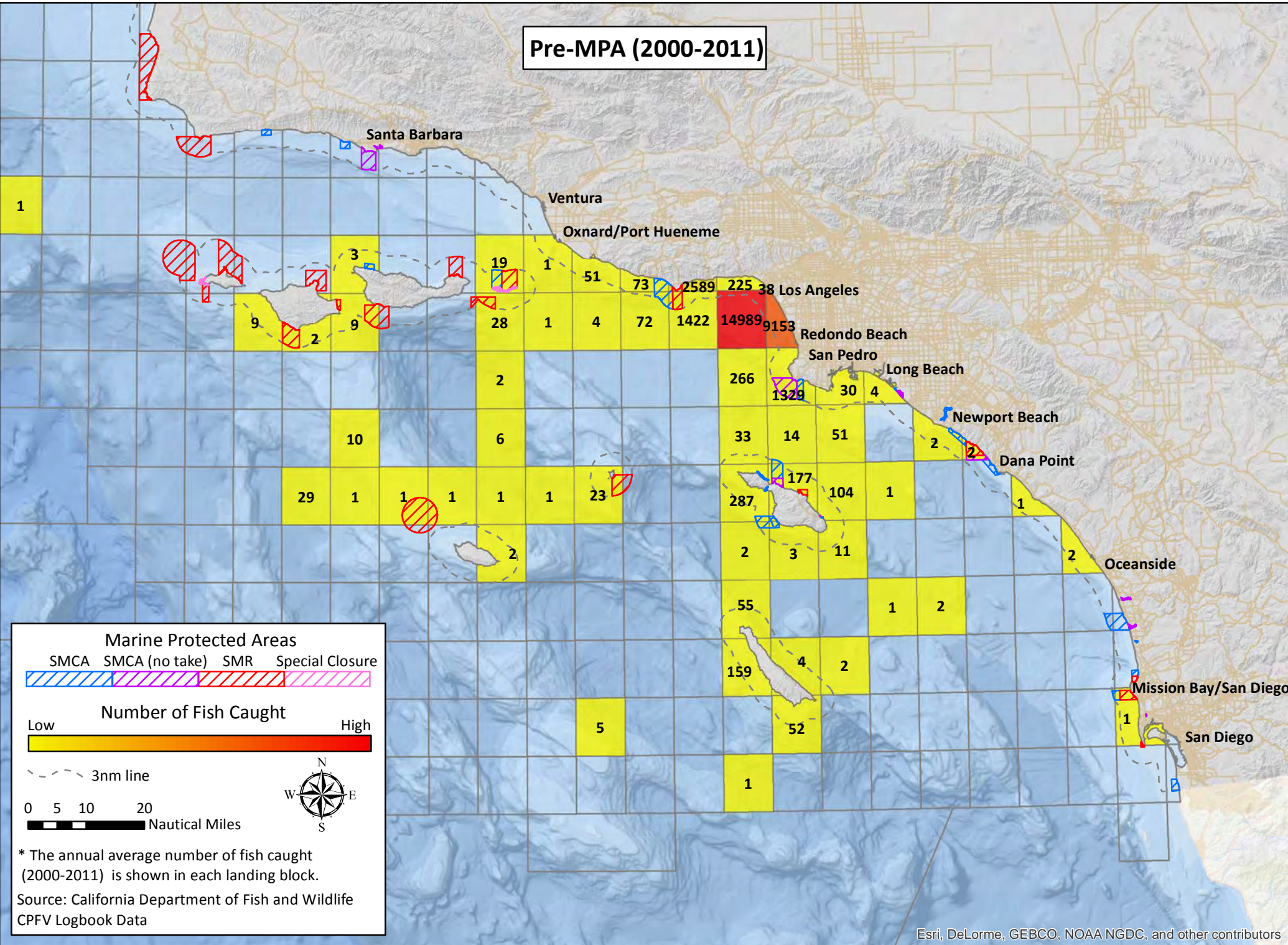




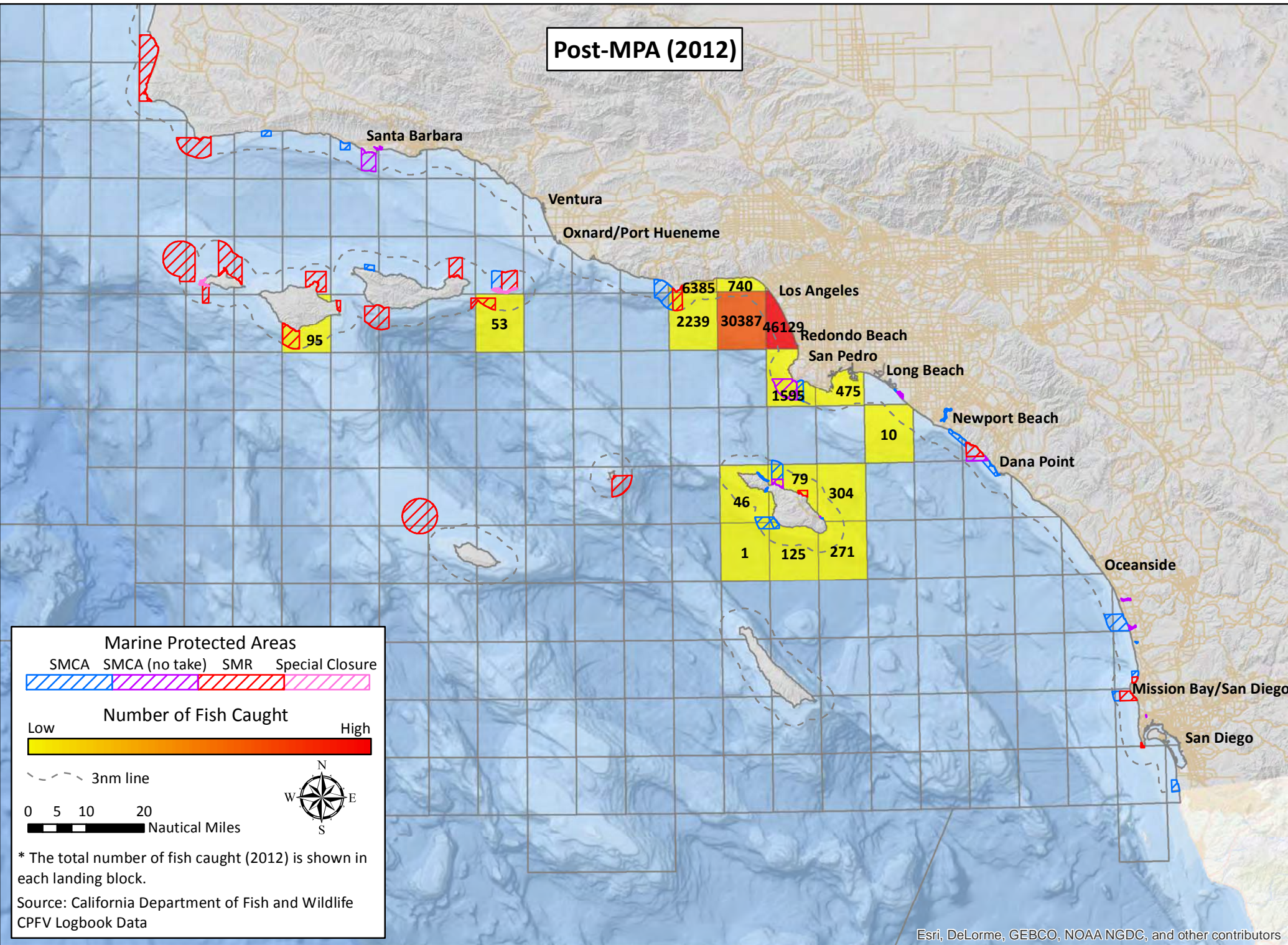
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Los Angeles – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)



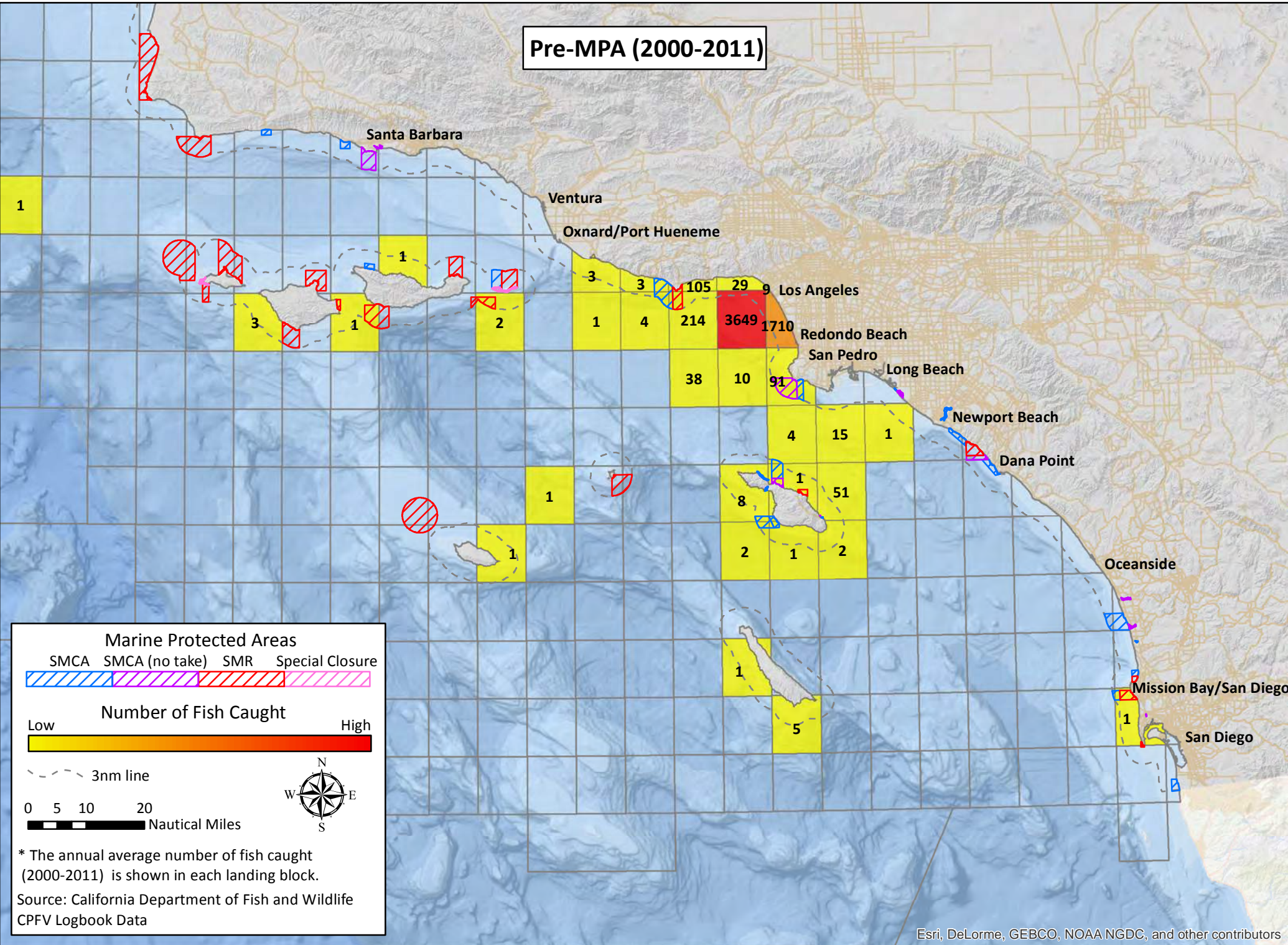
Post-MPA (2012)



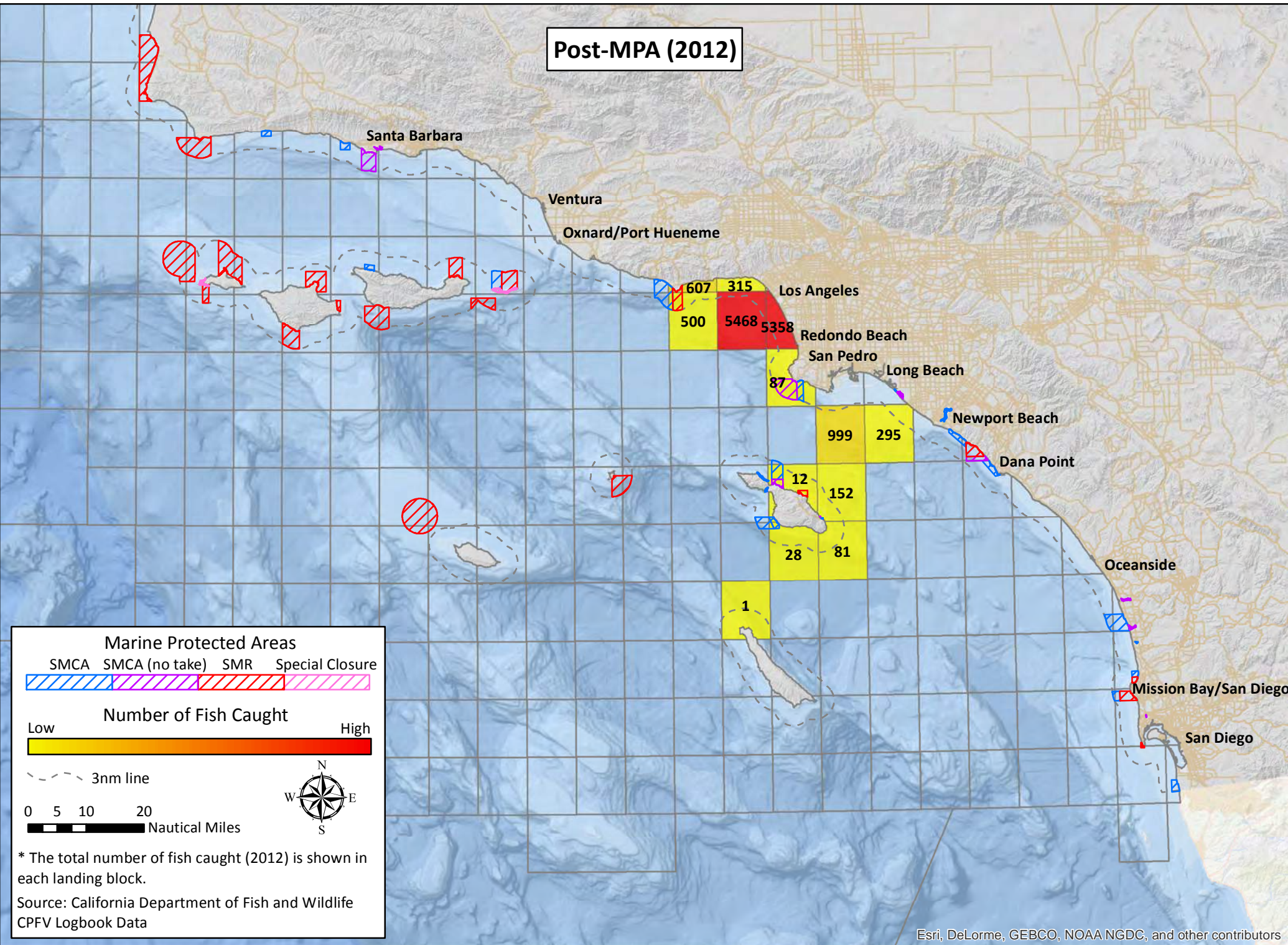
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Los Angeles – Number of Fish Caught – Sanddab

Pre-MPA (2000-2011)



Post-MPA (2012)



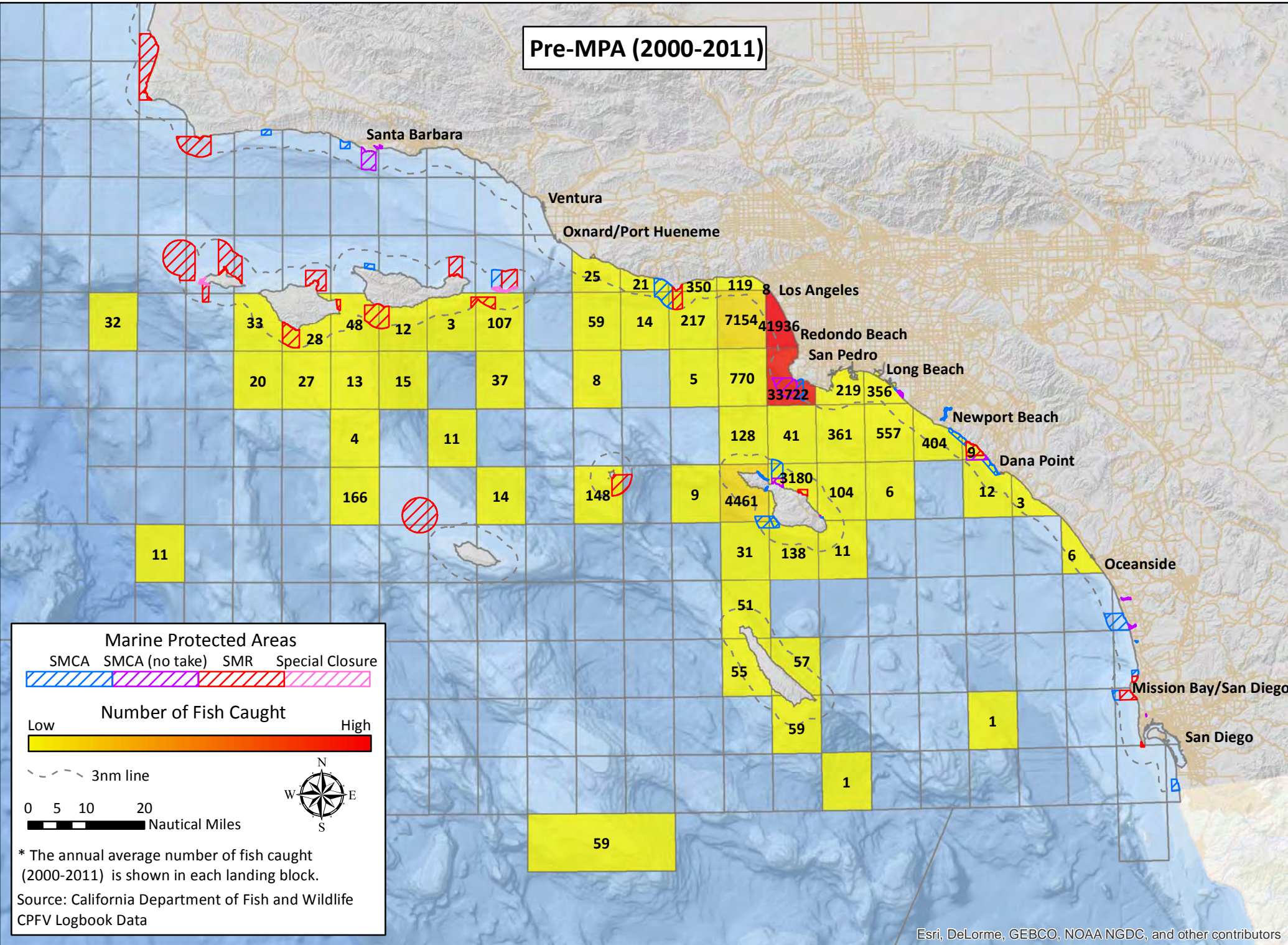
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

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

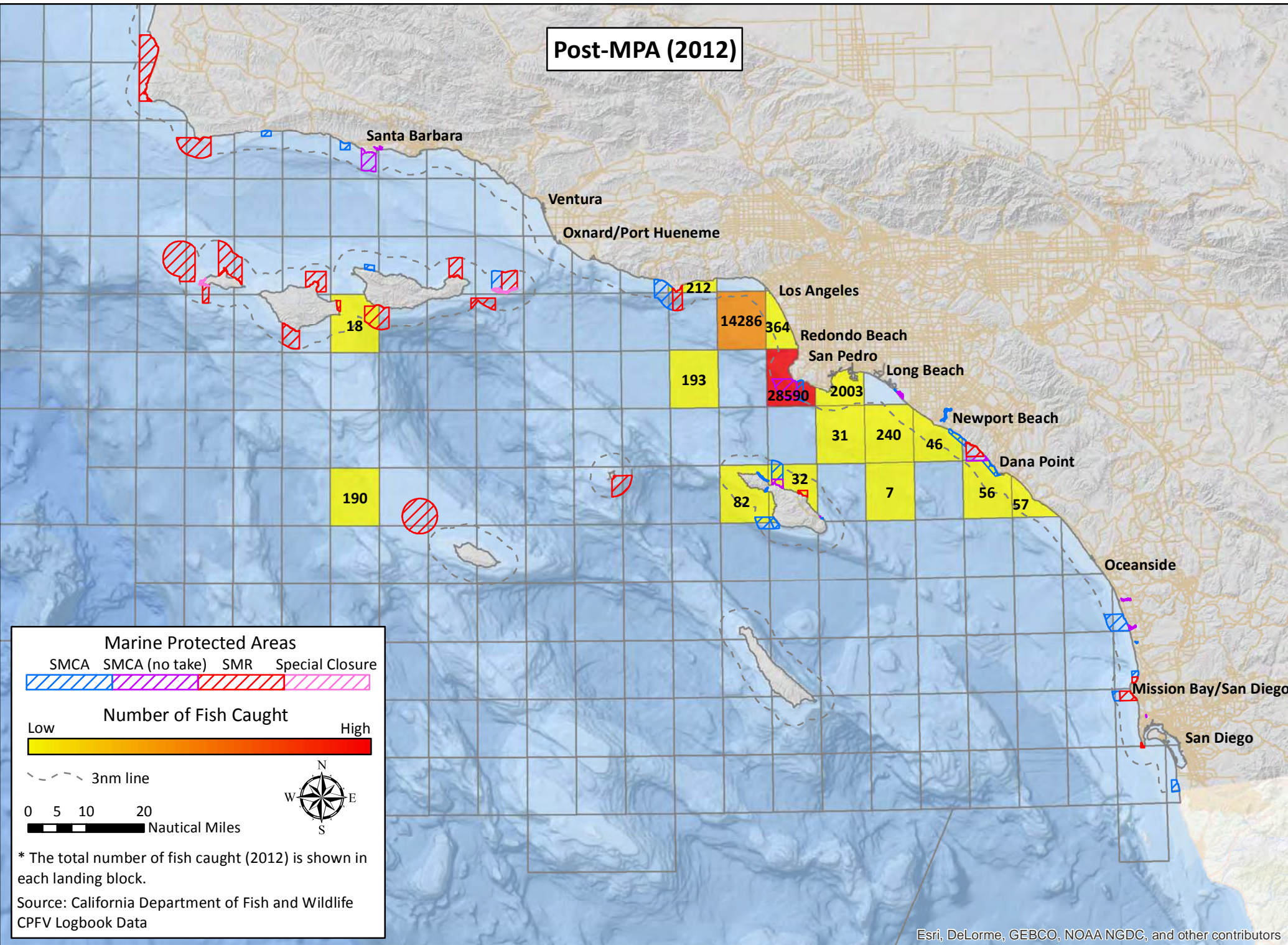
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Redondo Beach – Number of Fish Caught – All Fisheries

Pre-MPA (2000-2011)



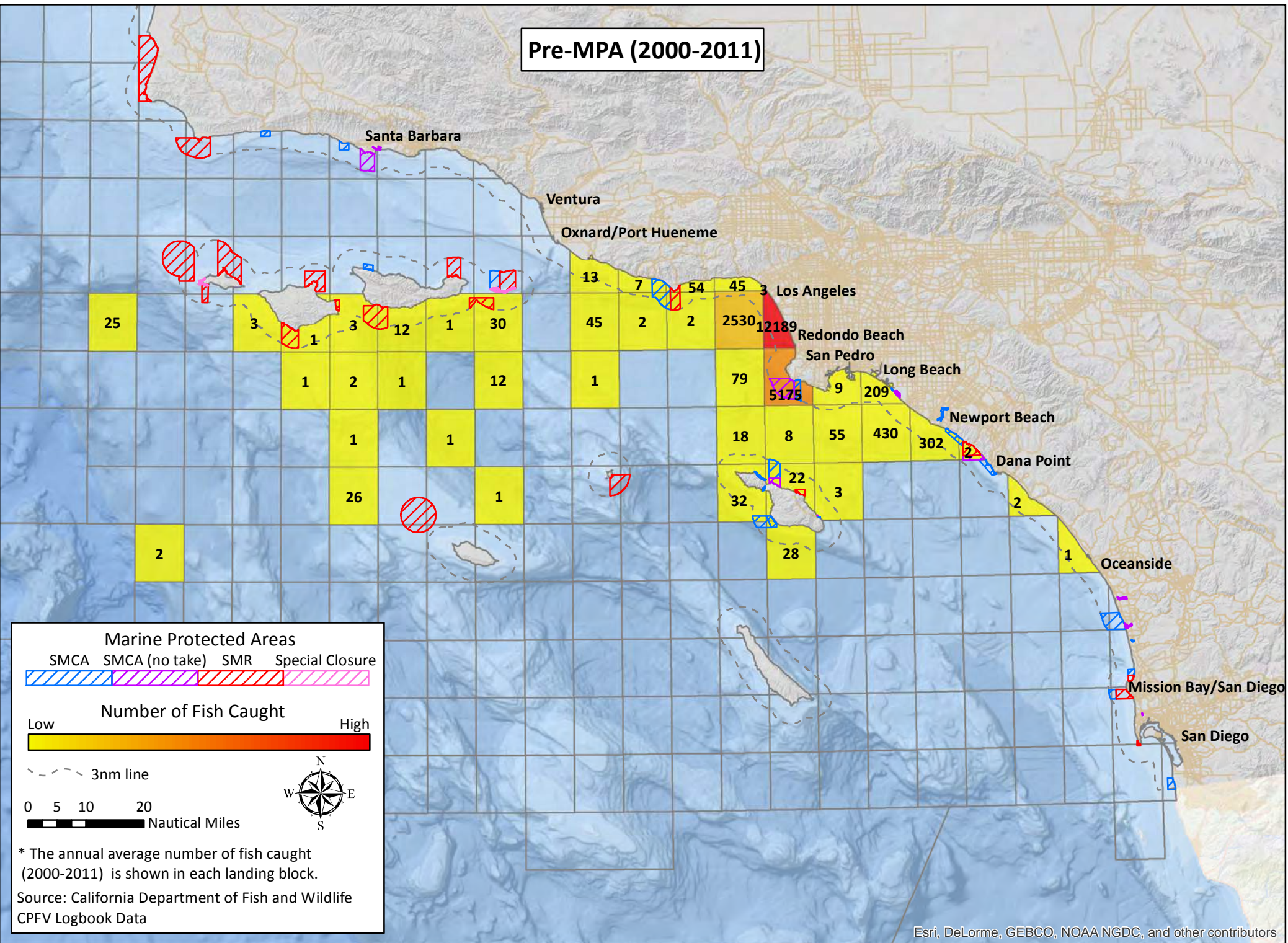
Post-MPA (2012)



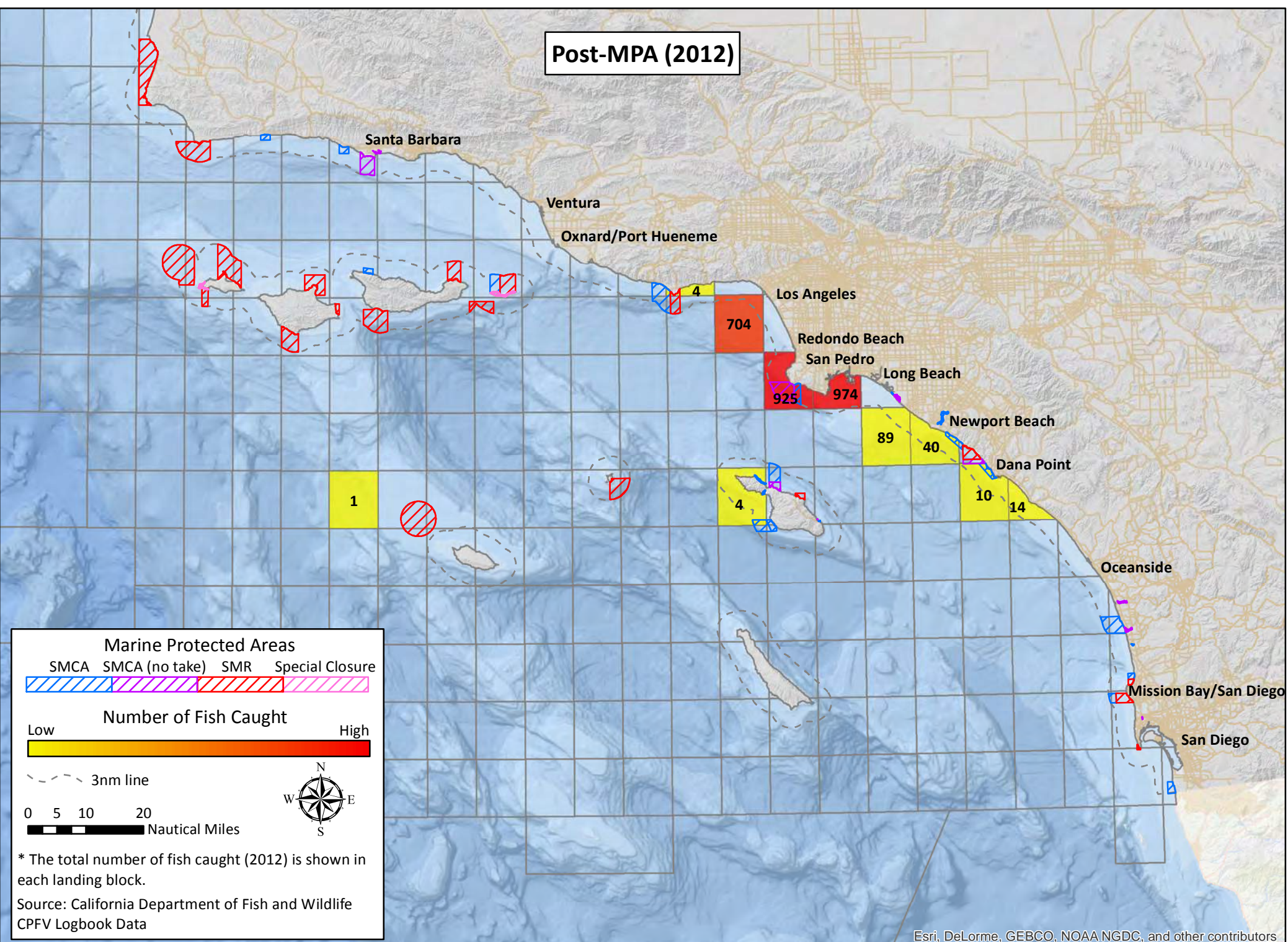
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Redondo Beach – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)



Post-MPA (2012)



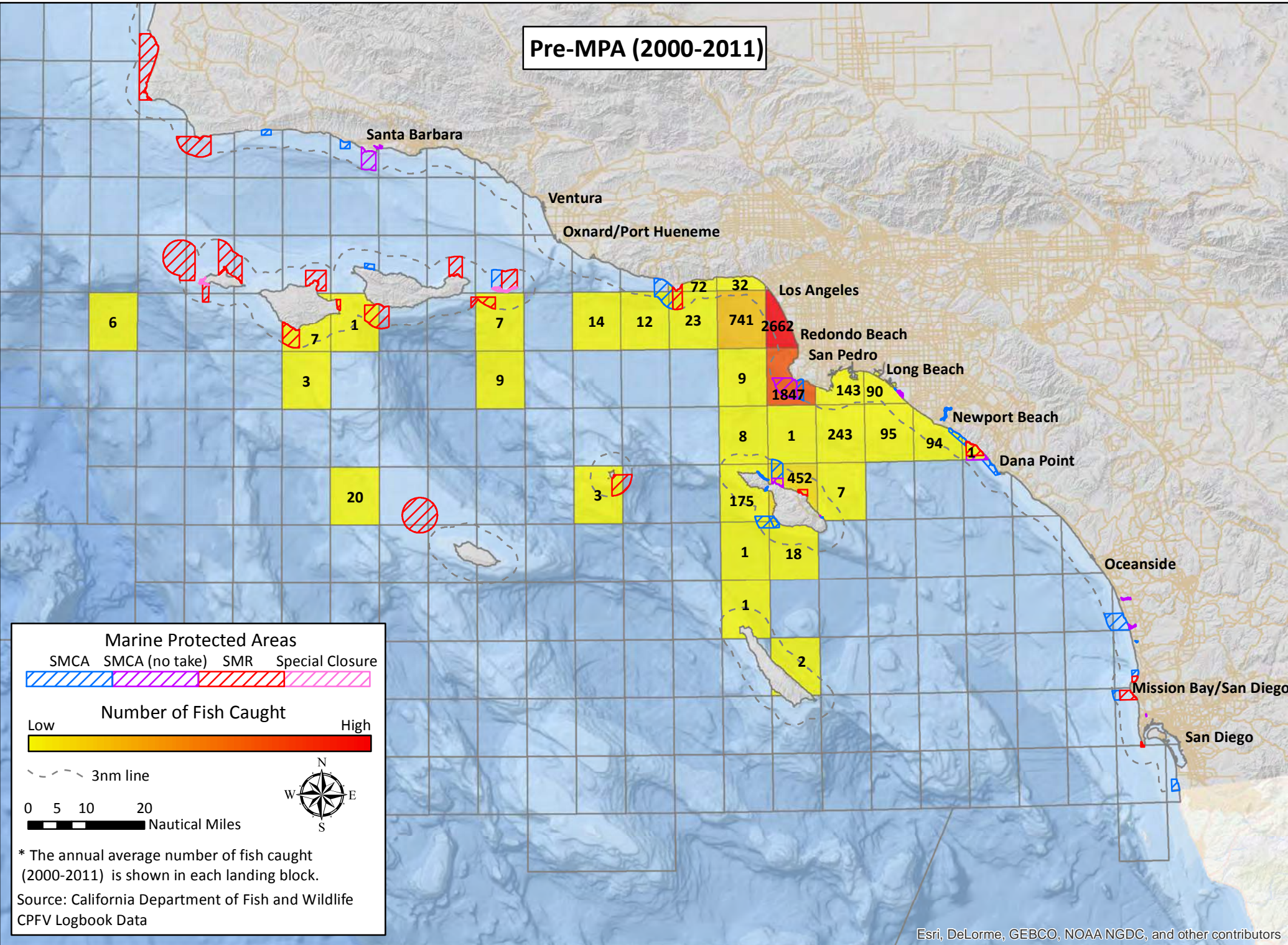
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

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

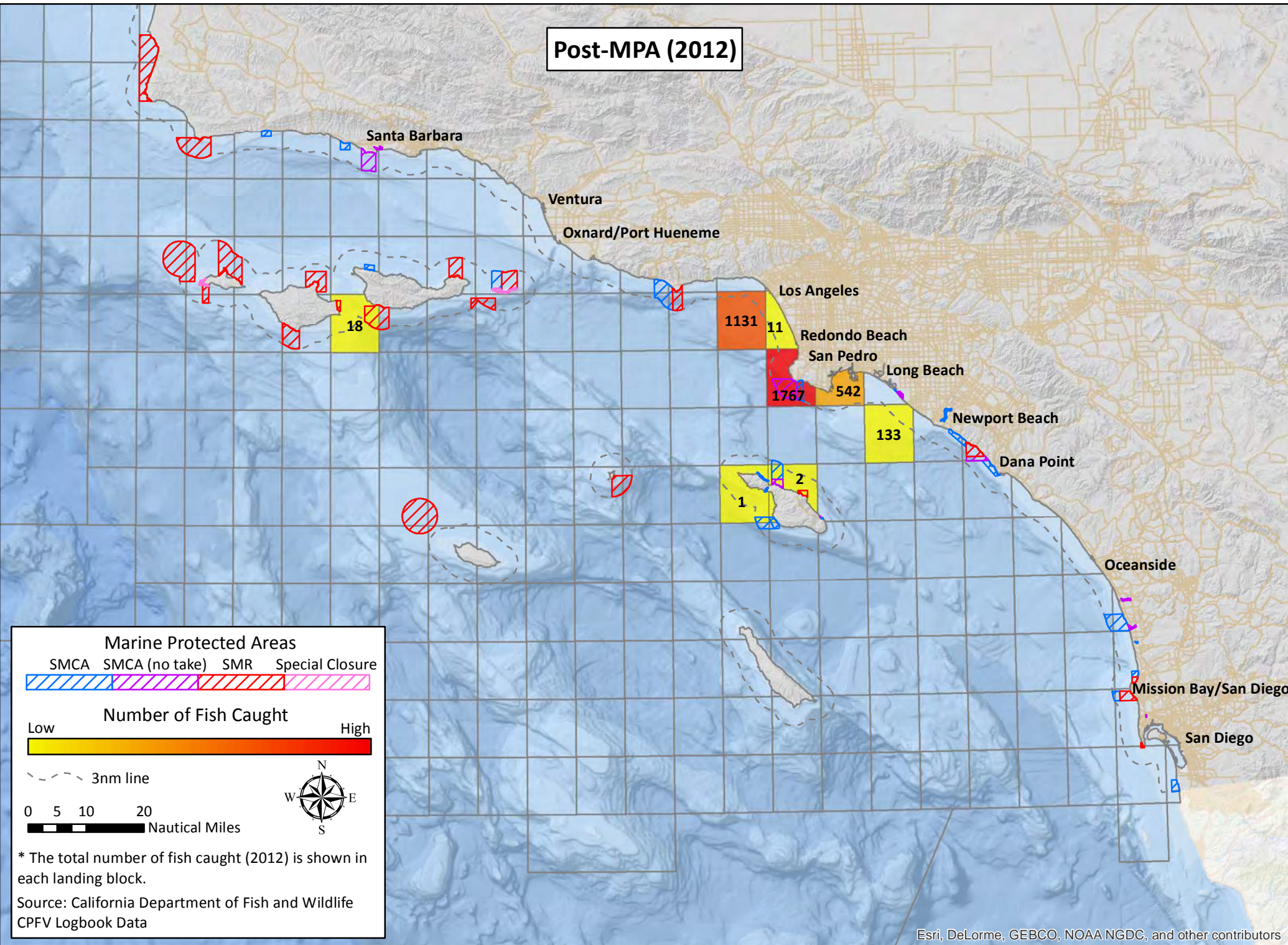
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Redondo Beach – Number of Fish Caught – California barracuda

Pre-MPA (2000-2011)



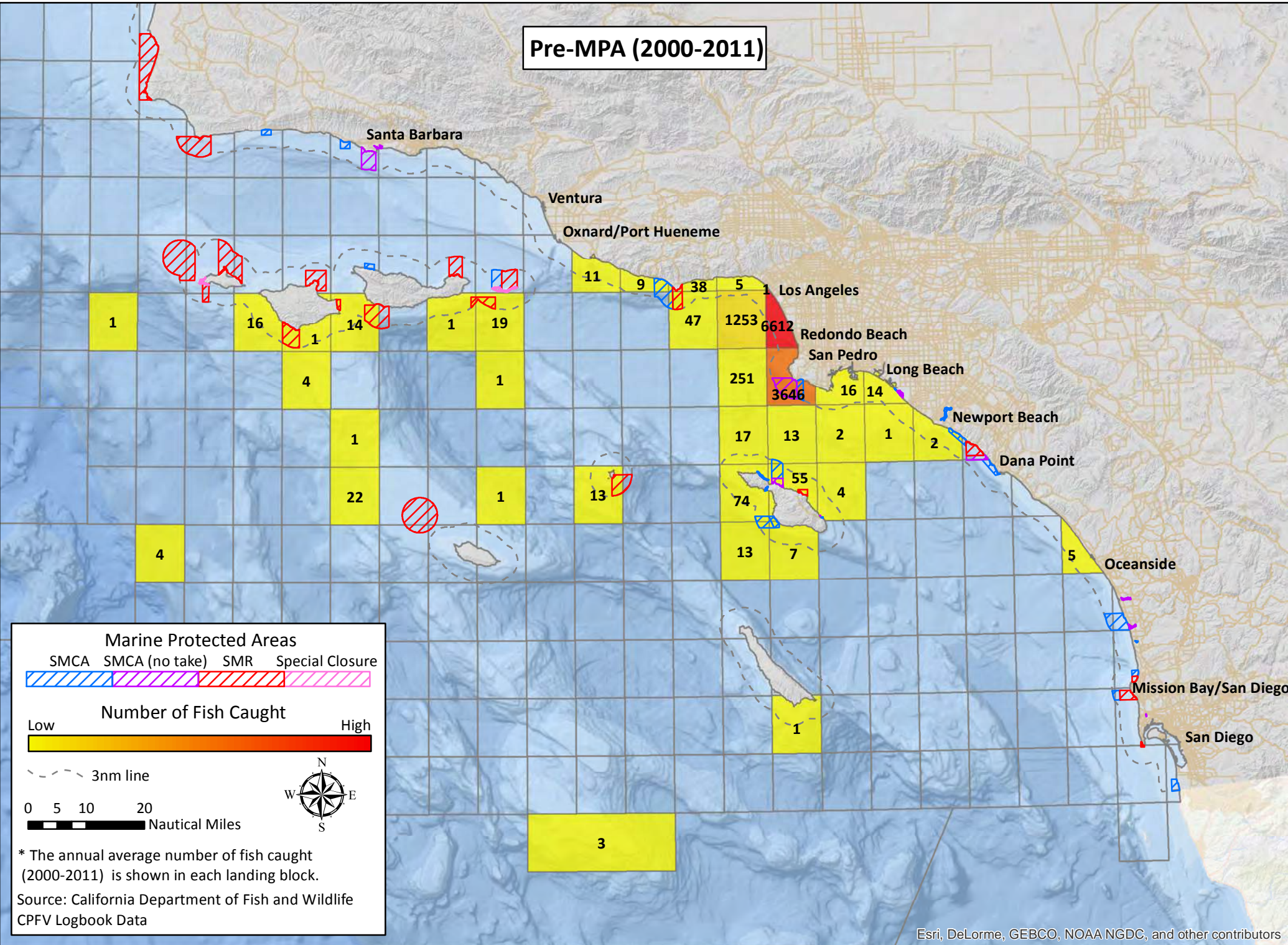
Post-MPA (2012)



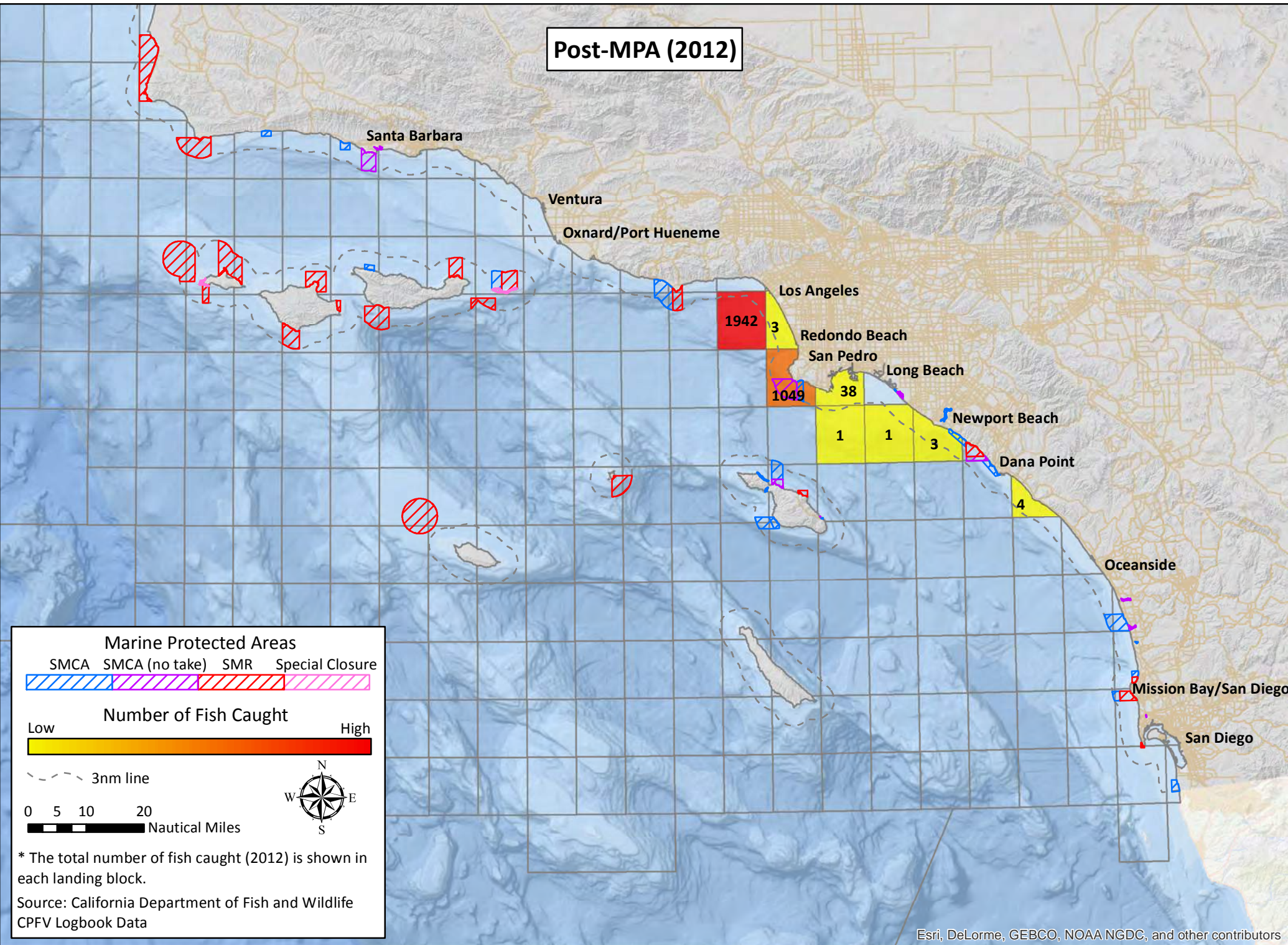
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Redondo Beach – Number of Fish Caught – California scorpionfish

Pre-MPA (2000-2011)



Post-MPA (2012)



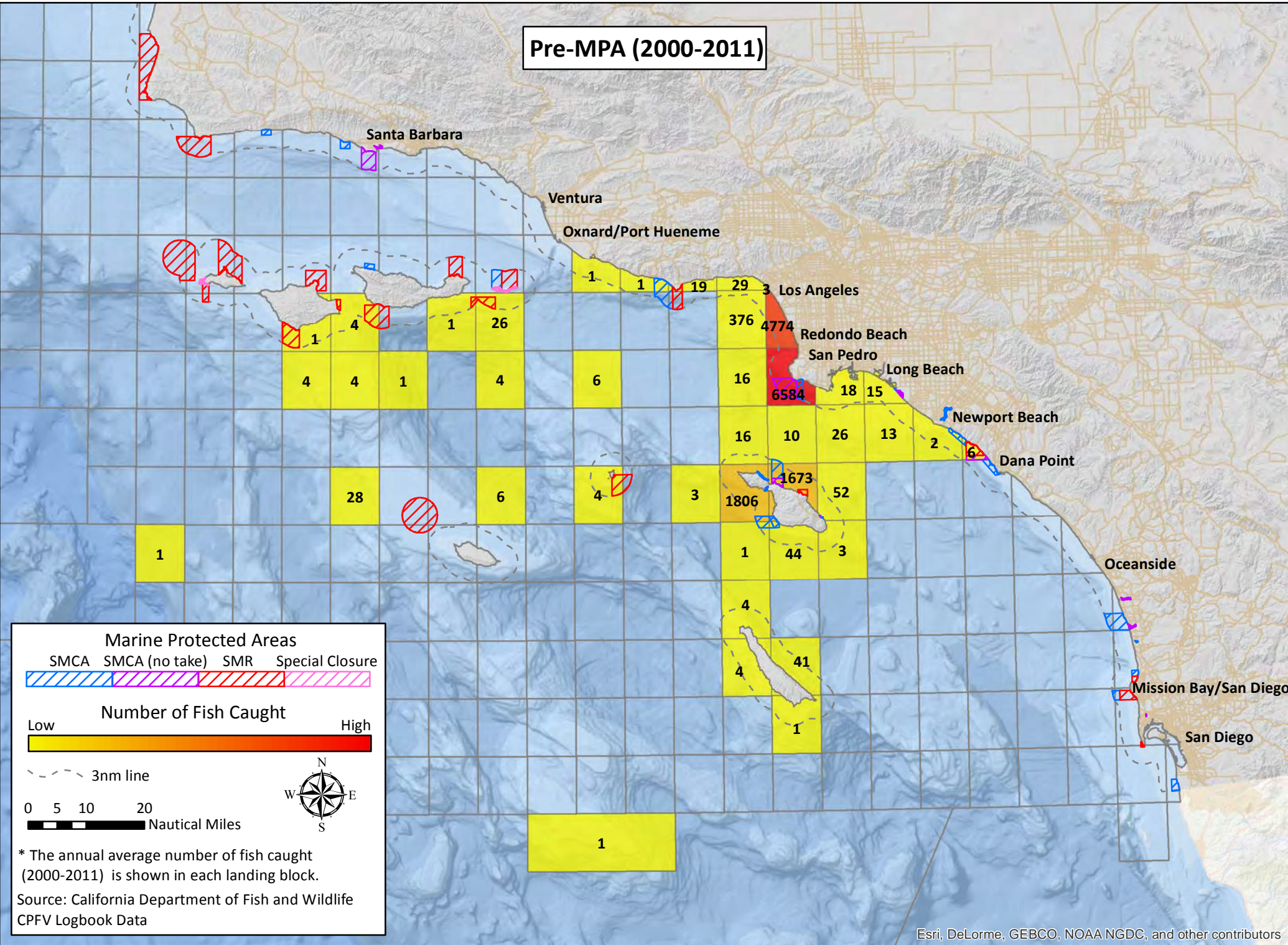
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

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

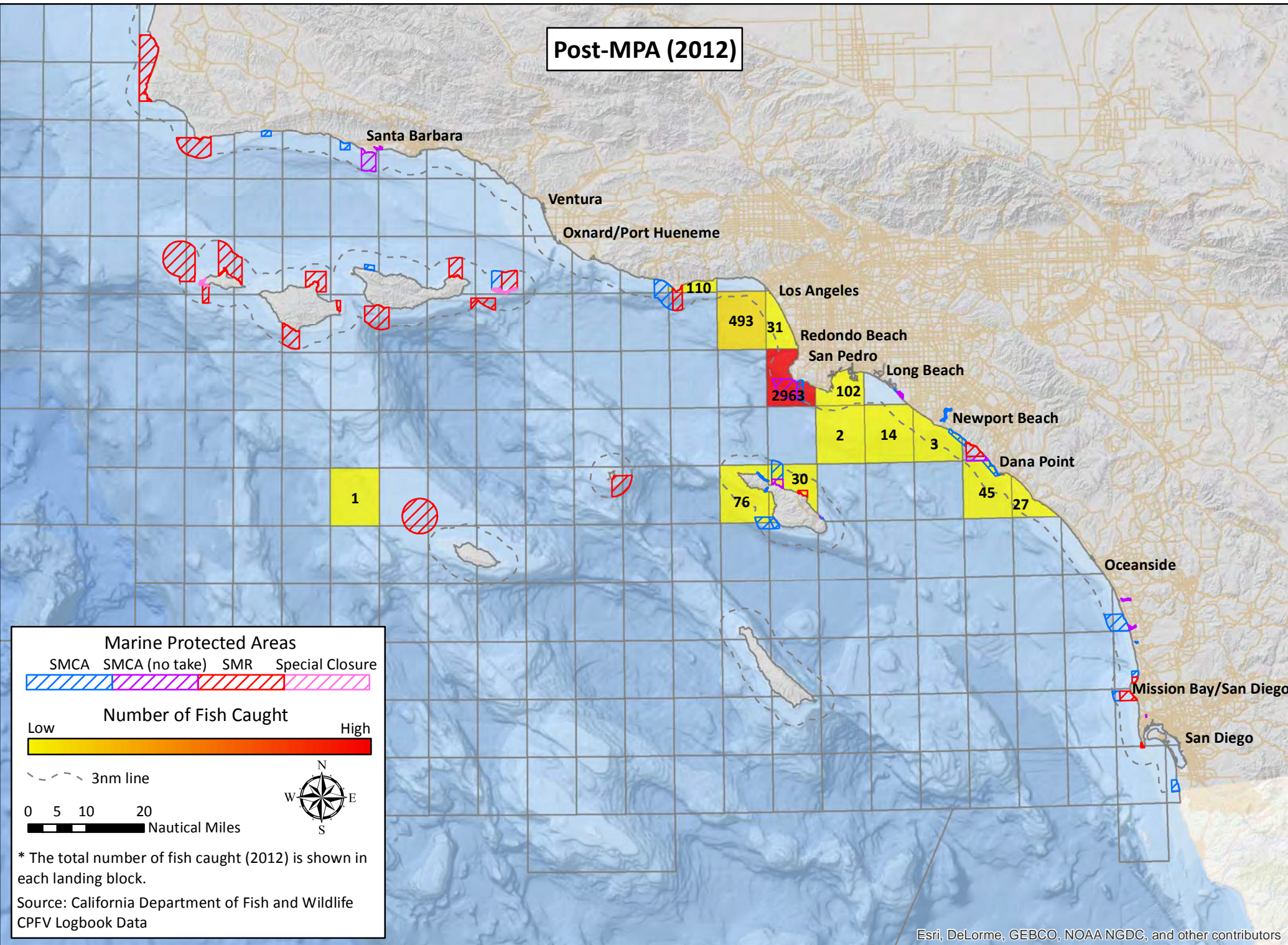
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Redondo Beach – Number of Fish Caught – Kelp bass

**Pre-MPA (2000-2011)**



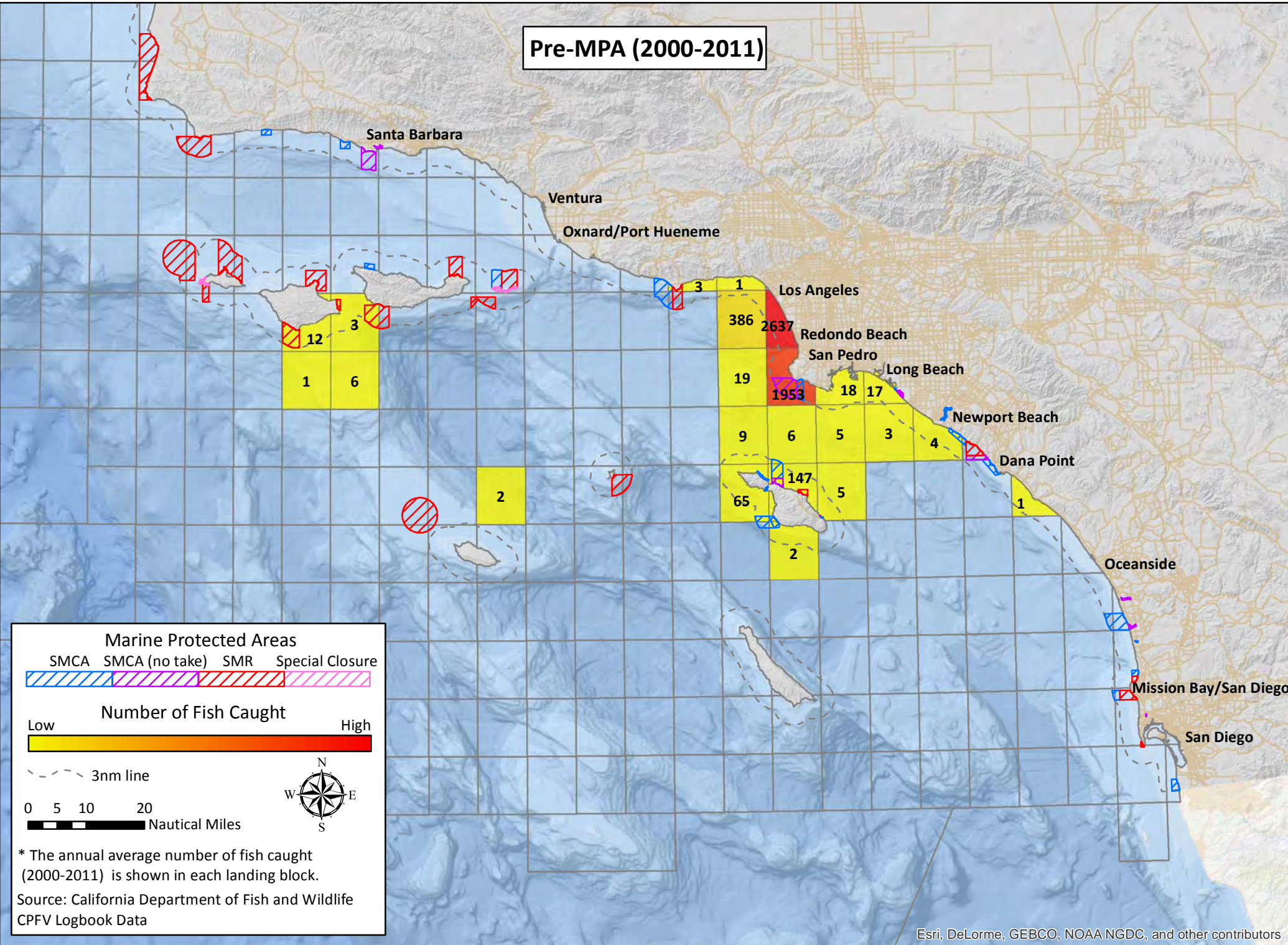
**Post-MPA (2012)**



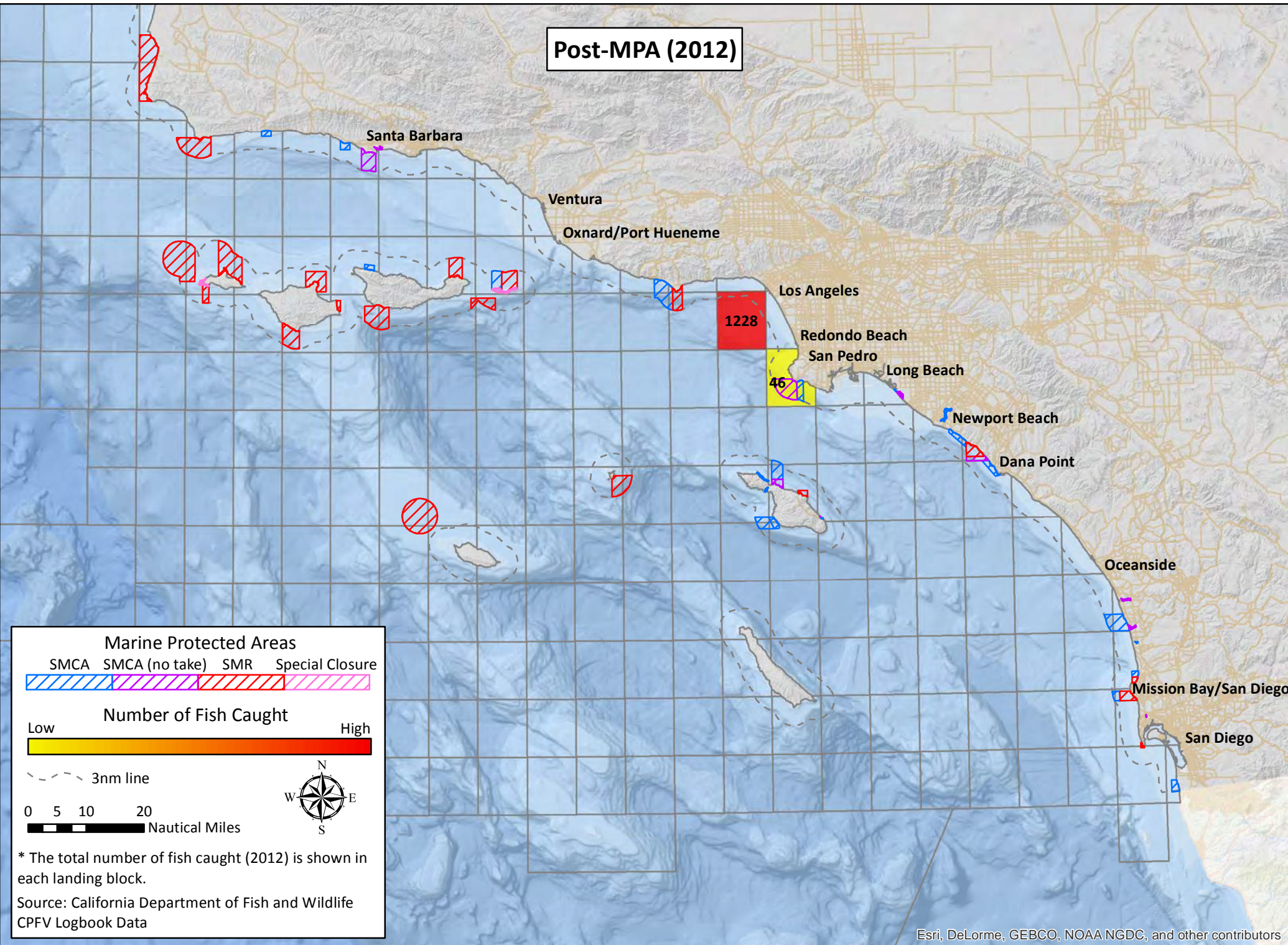
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Redondo Beach – Number of Fish Caught – Mackerel

Pre-MPA (2000-2011)



Post-MPA (2012)



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

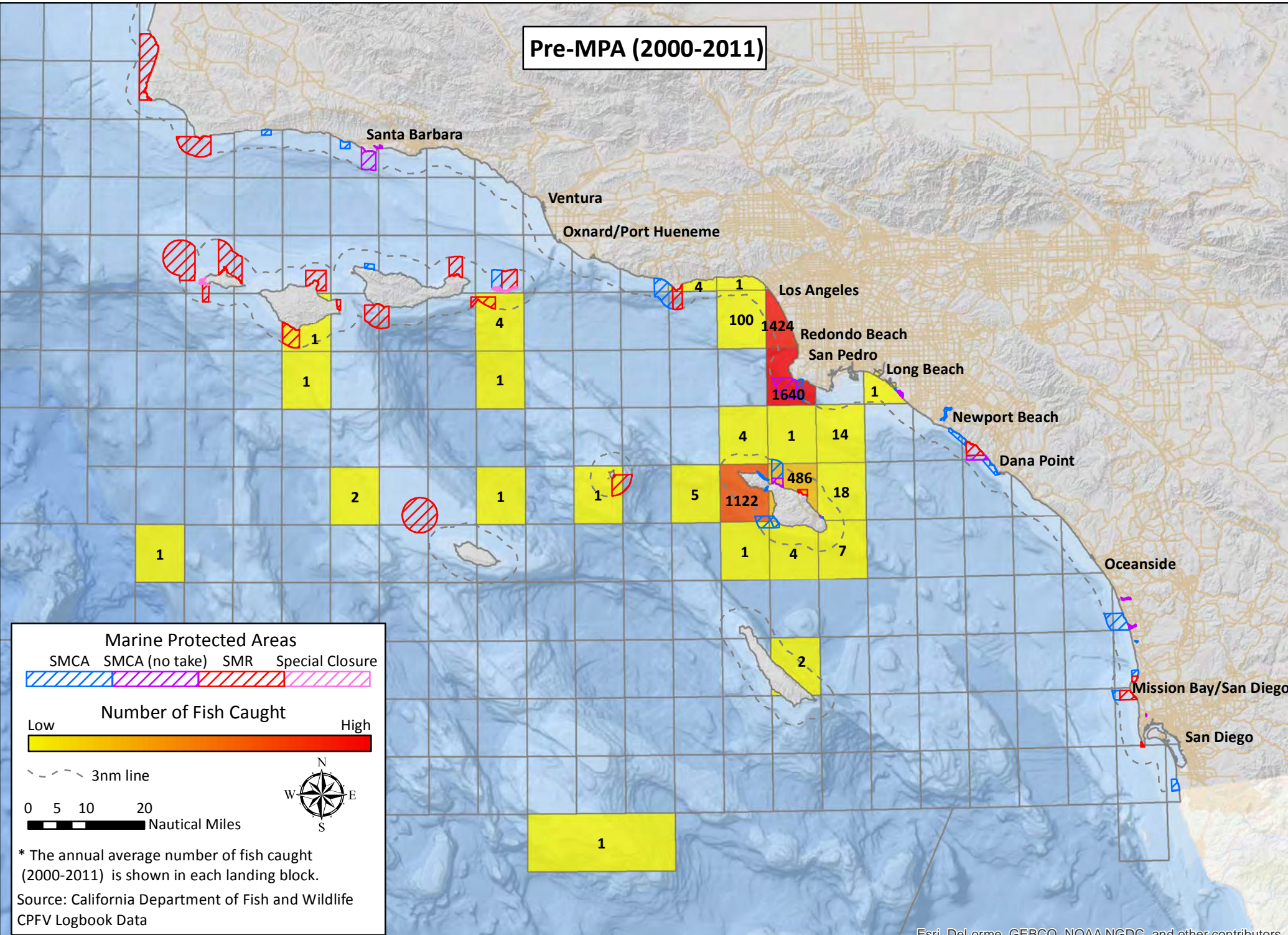
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors



# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

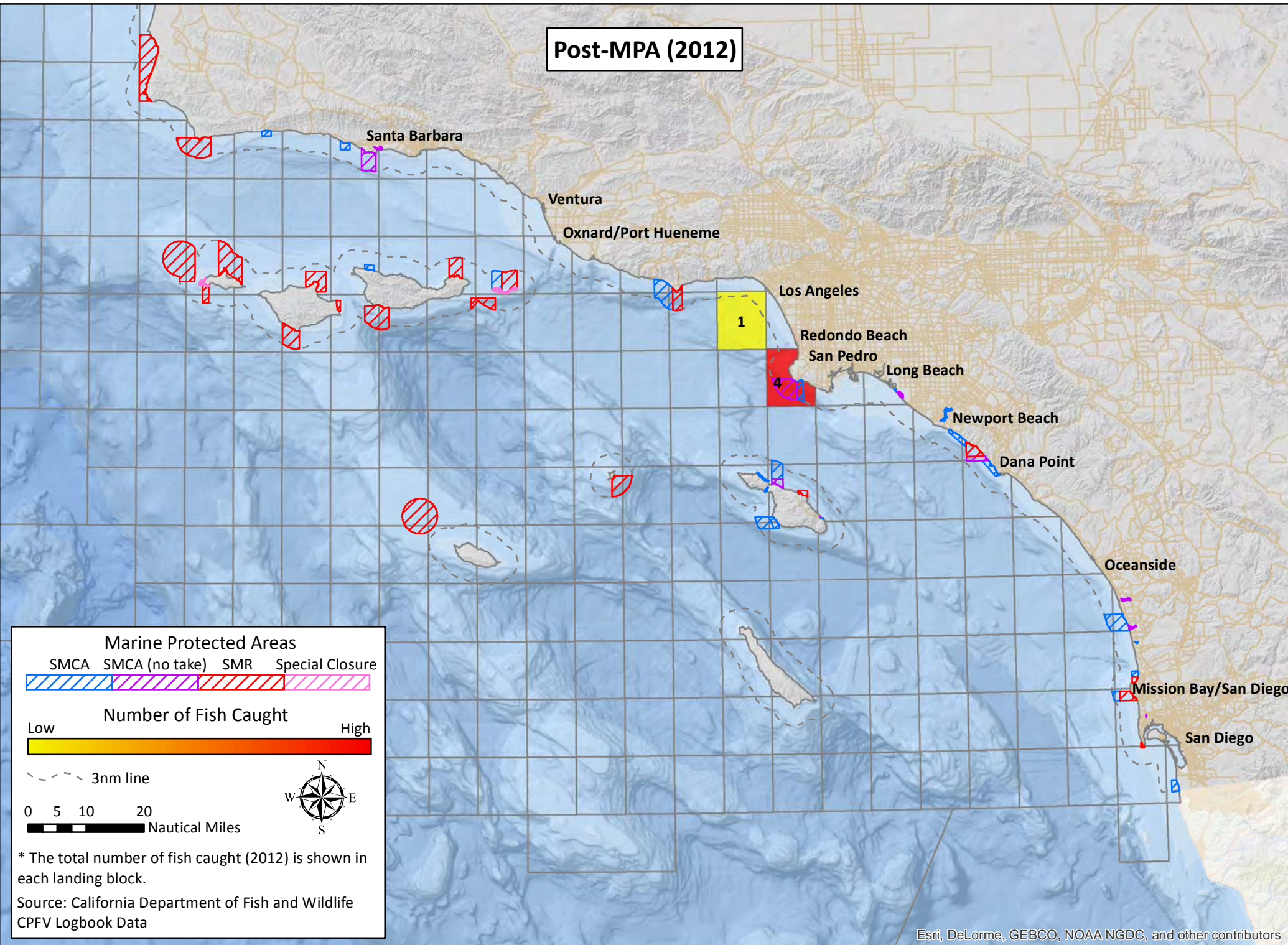
## Redondo Beach – Number of Fish Caught – Pacific bonito

Pre-MPA (2000-2011)



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

Post-MPA (2012)

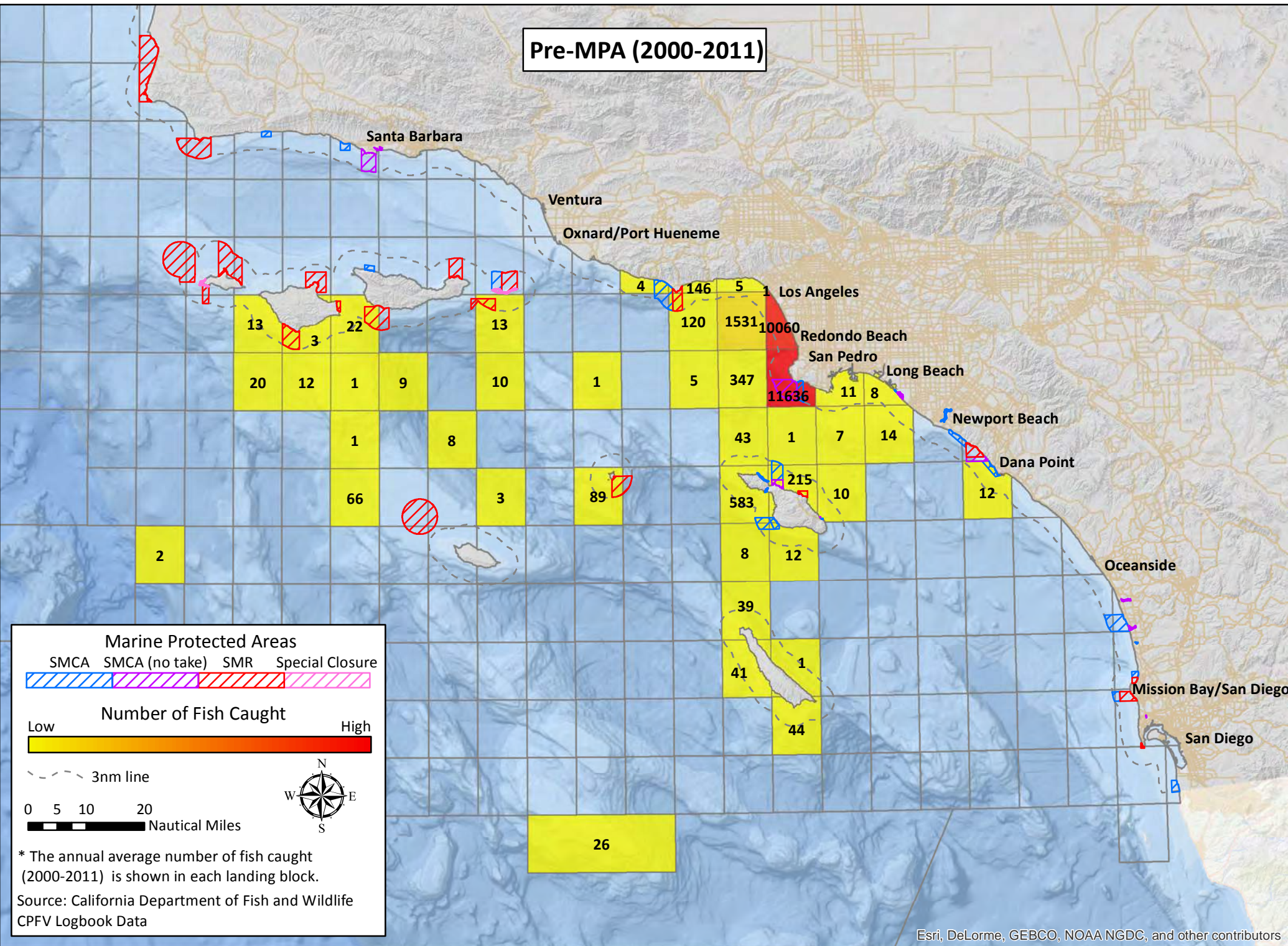


Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

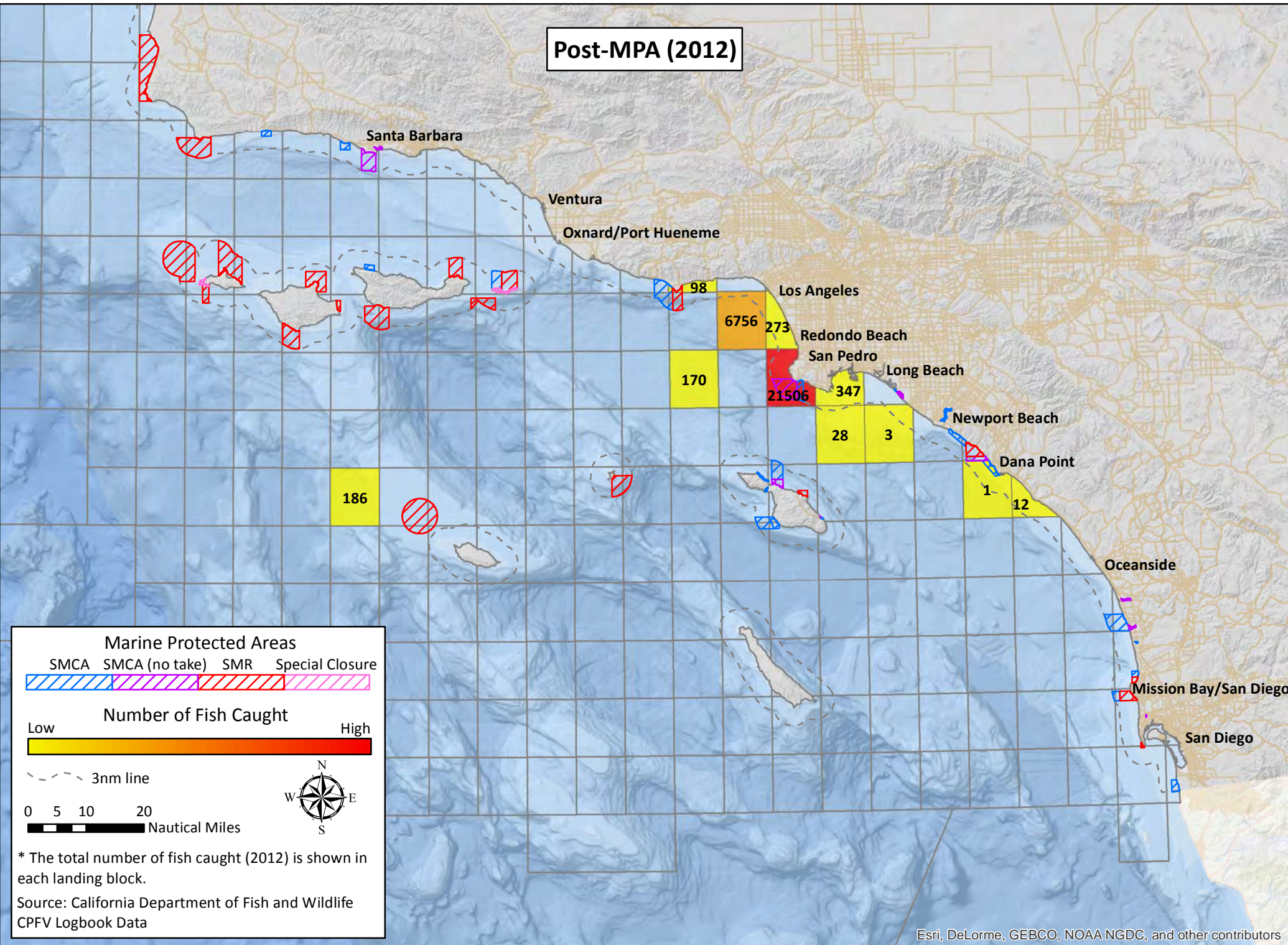
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Redondo Beach – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)



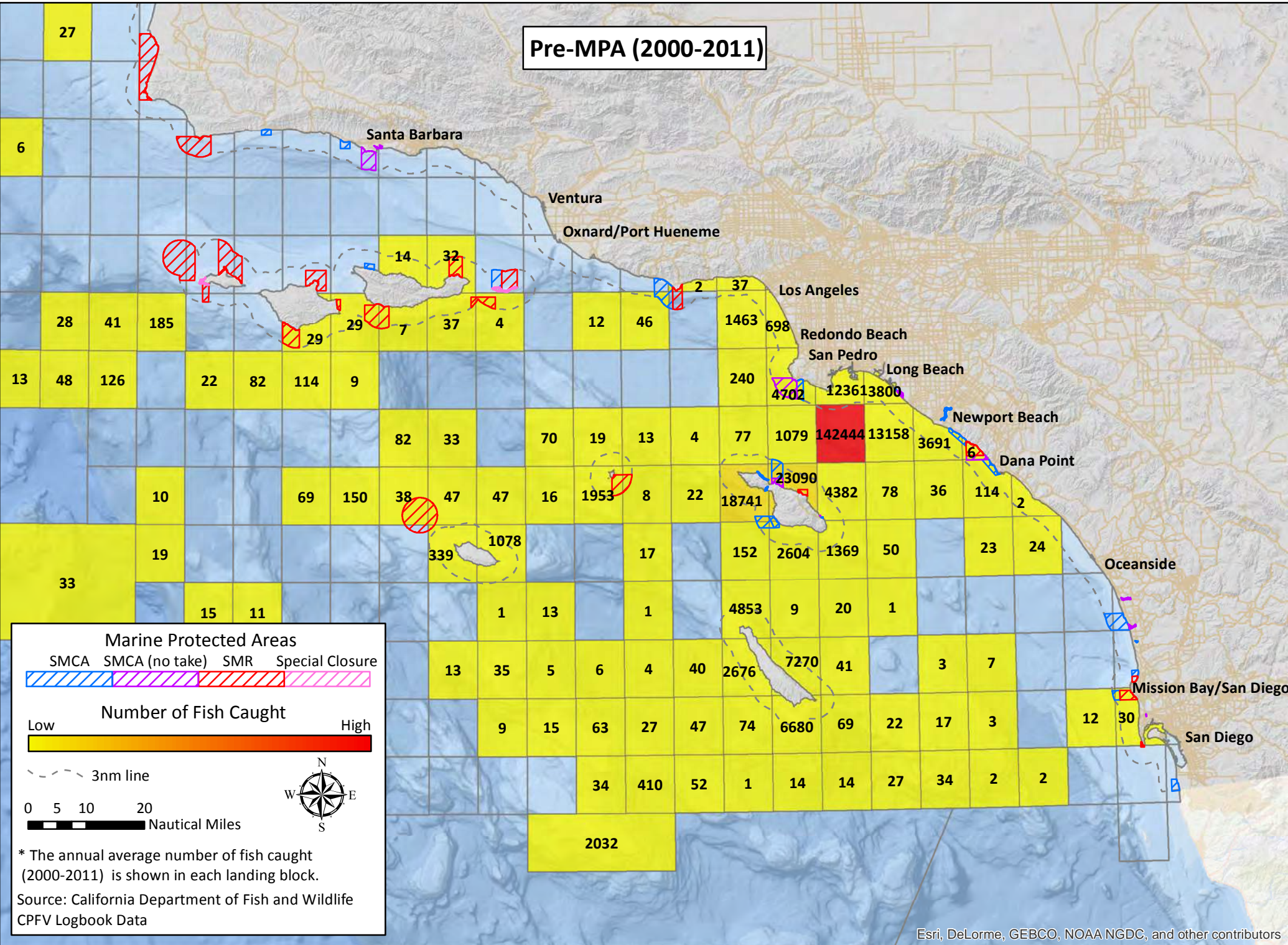
Post-MPA (2012)



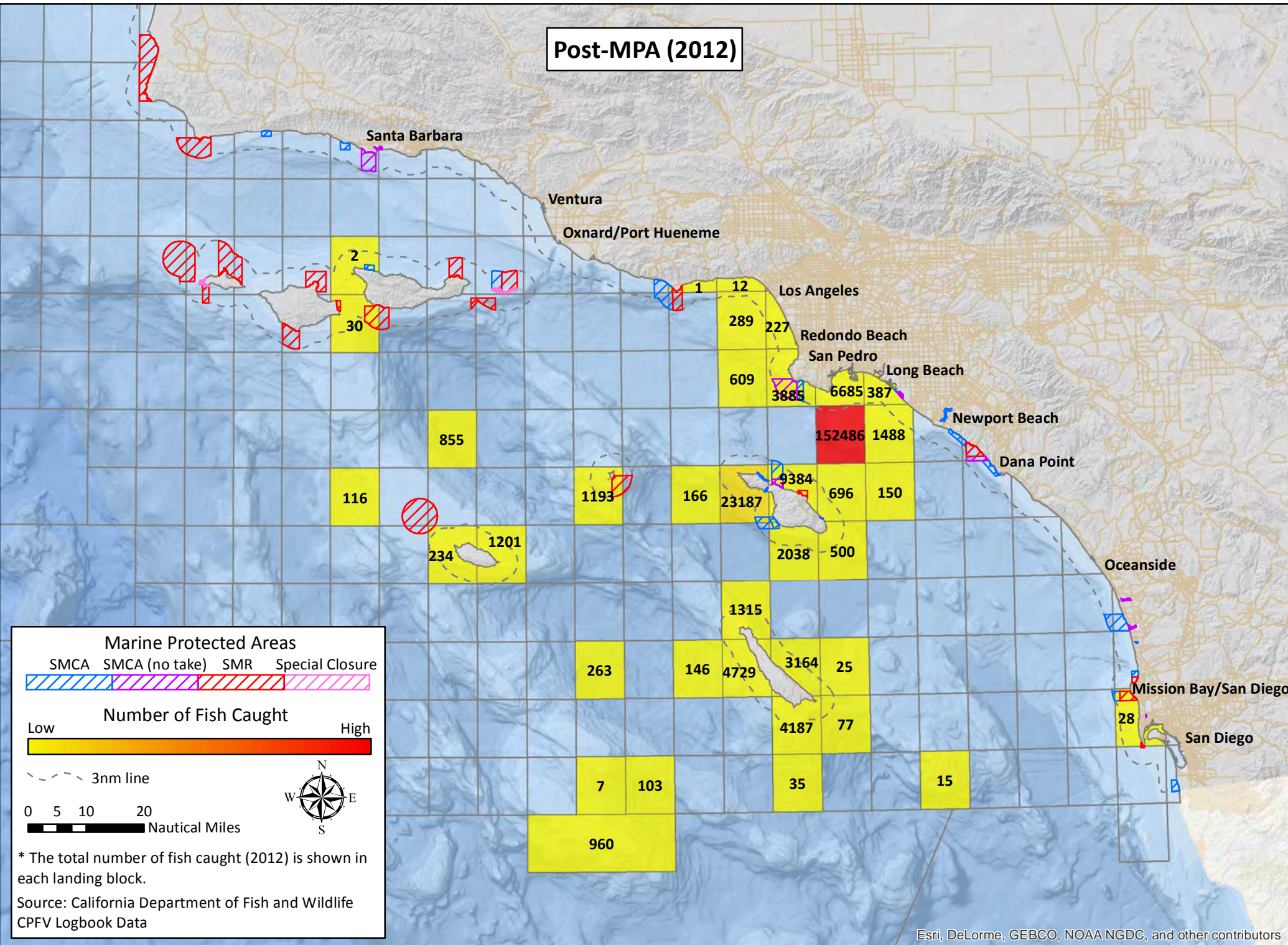
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## San Pedro – Number of Fish Caught – All Fisheries

Pre-MPA (2000-2011)



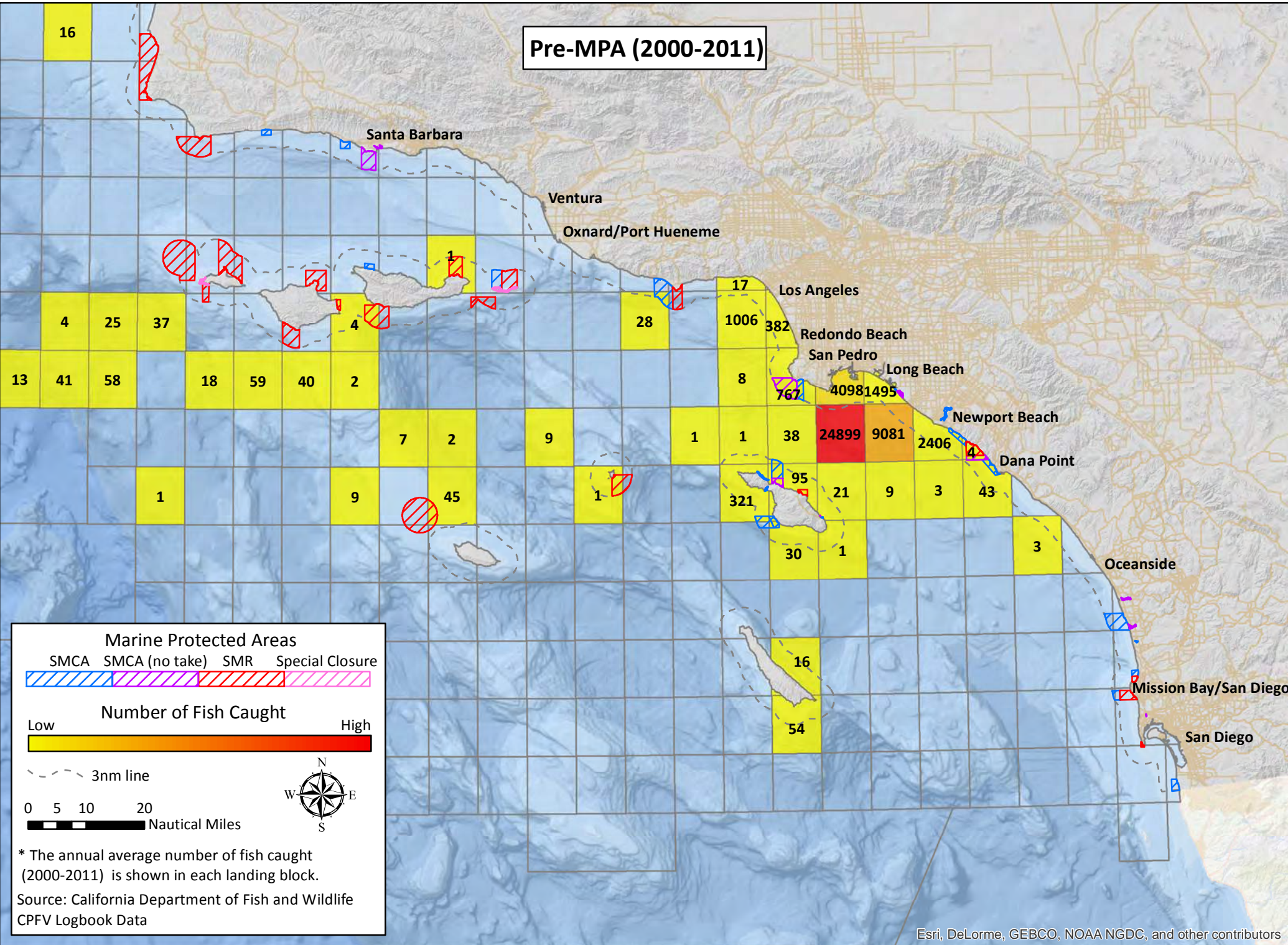
Post-MPA (2012)



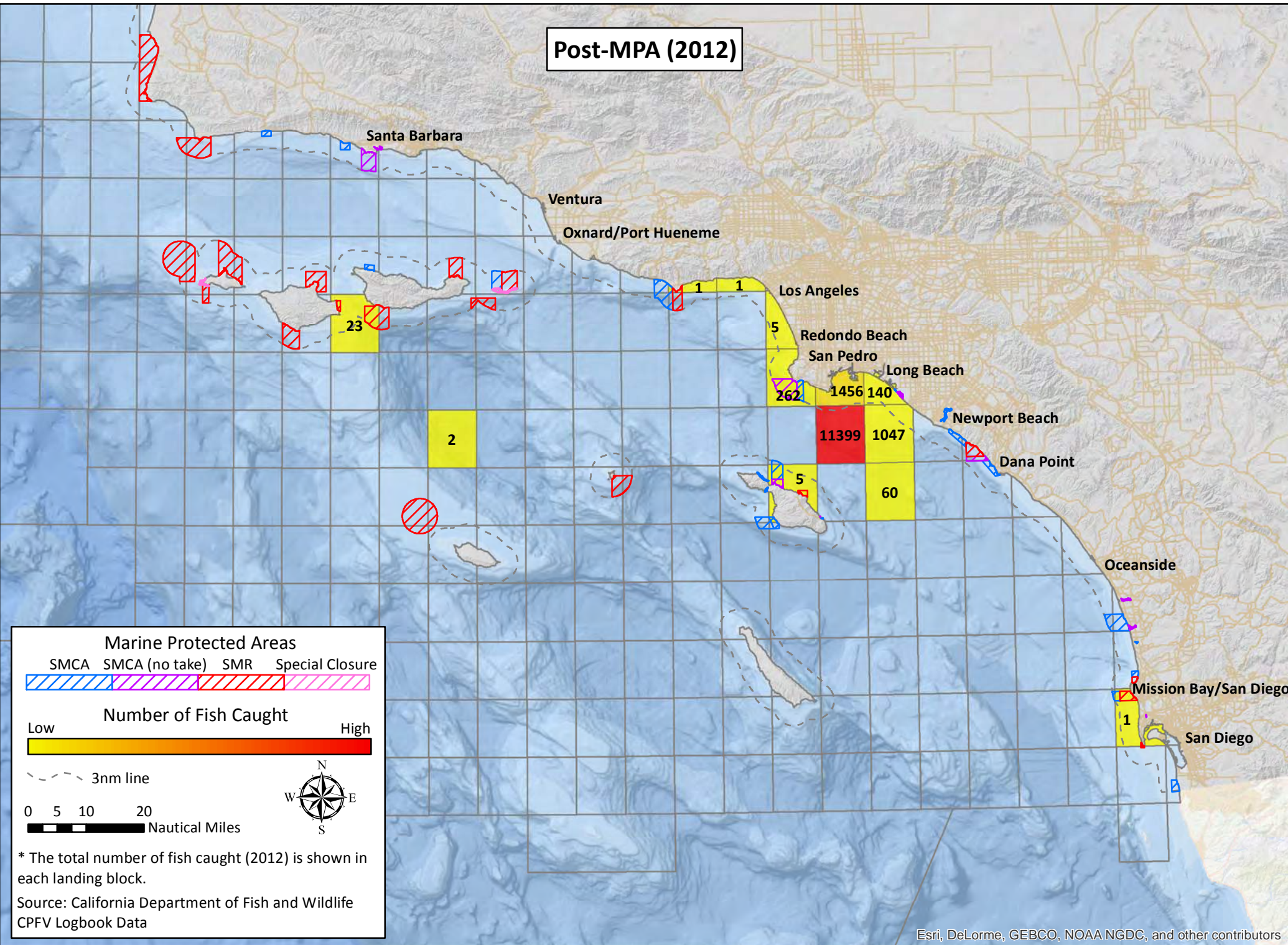
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## San Pedro – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)



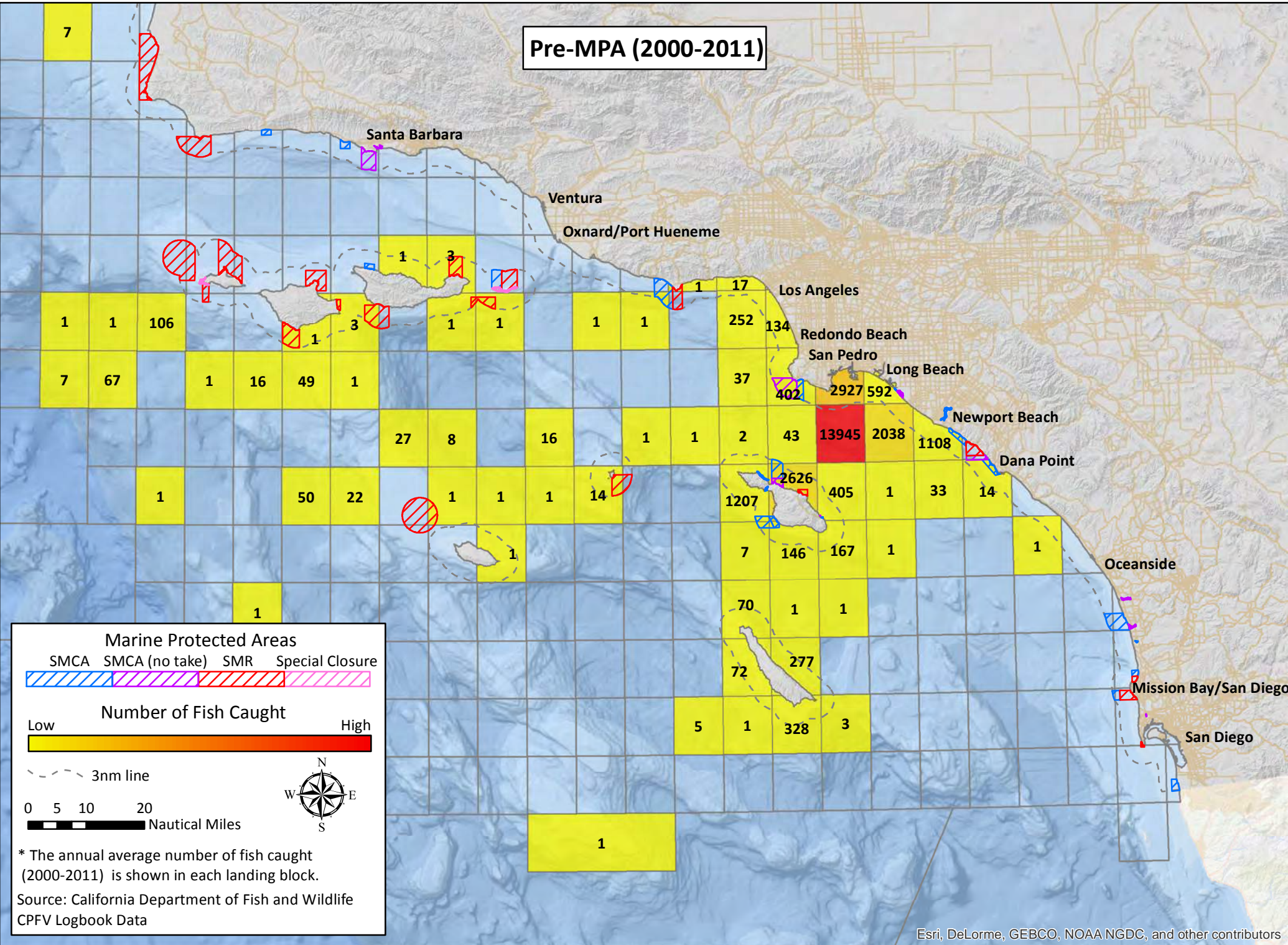
Post-MPA (2012)



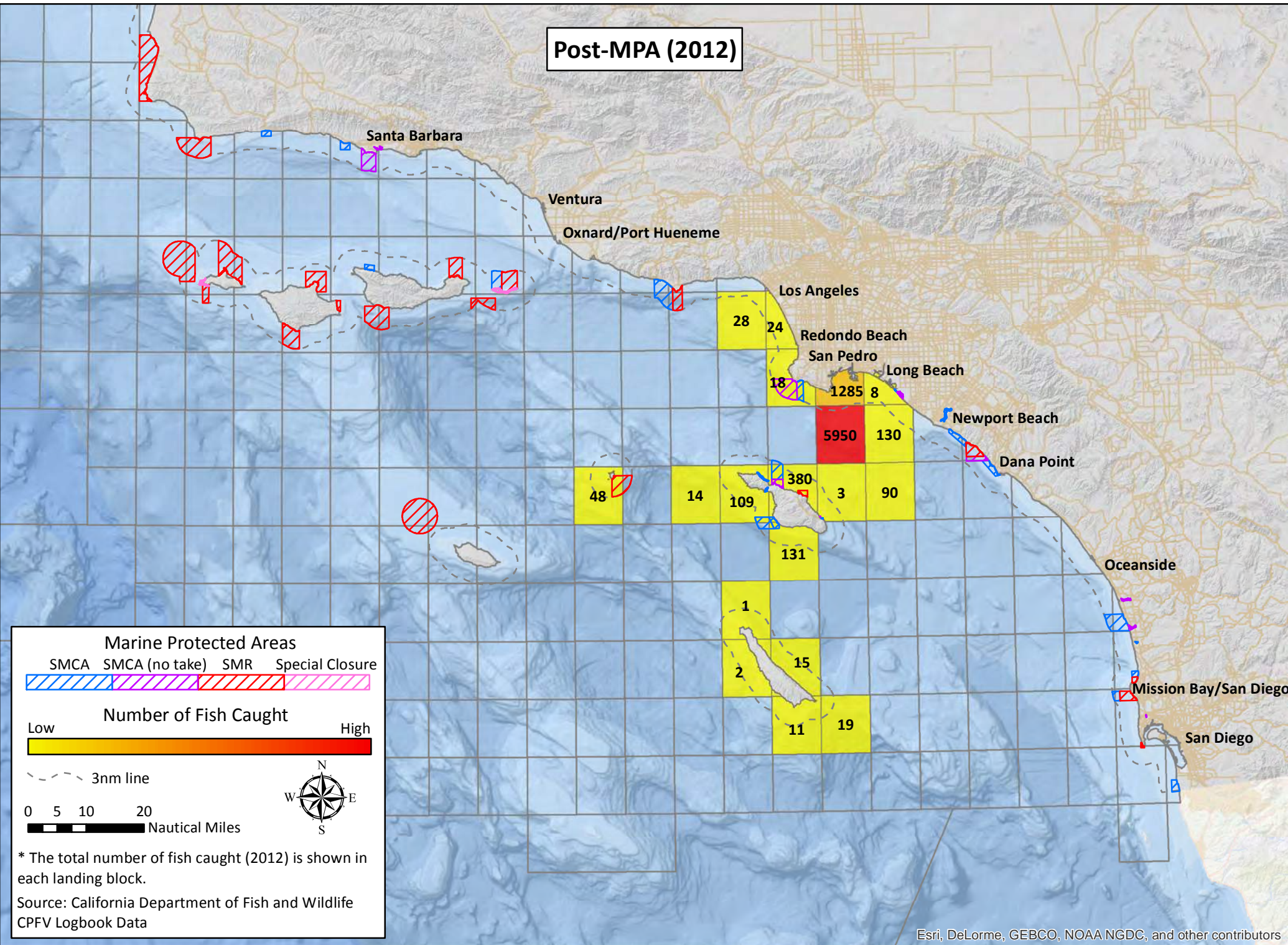
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## San Pedro – Number of Fish Caught – California barracuda

Pre-MPA (2000-2011)



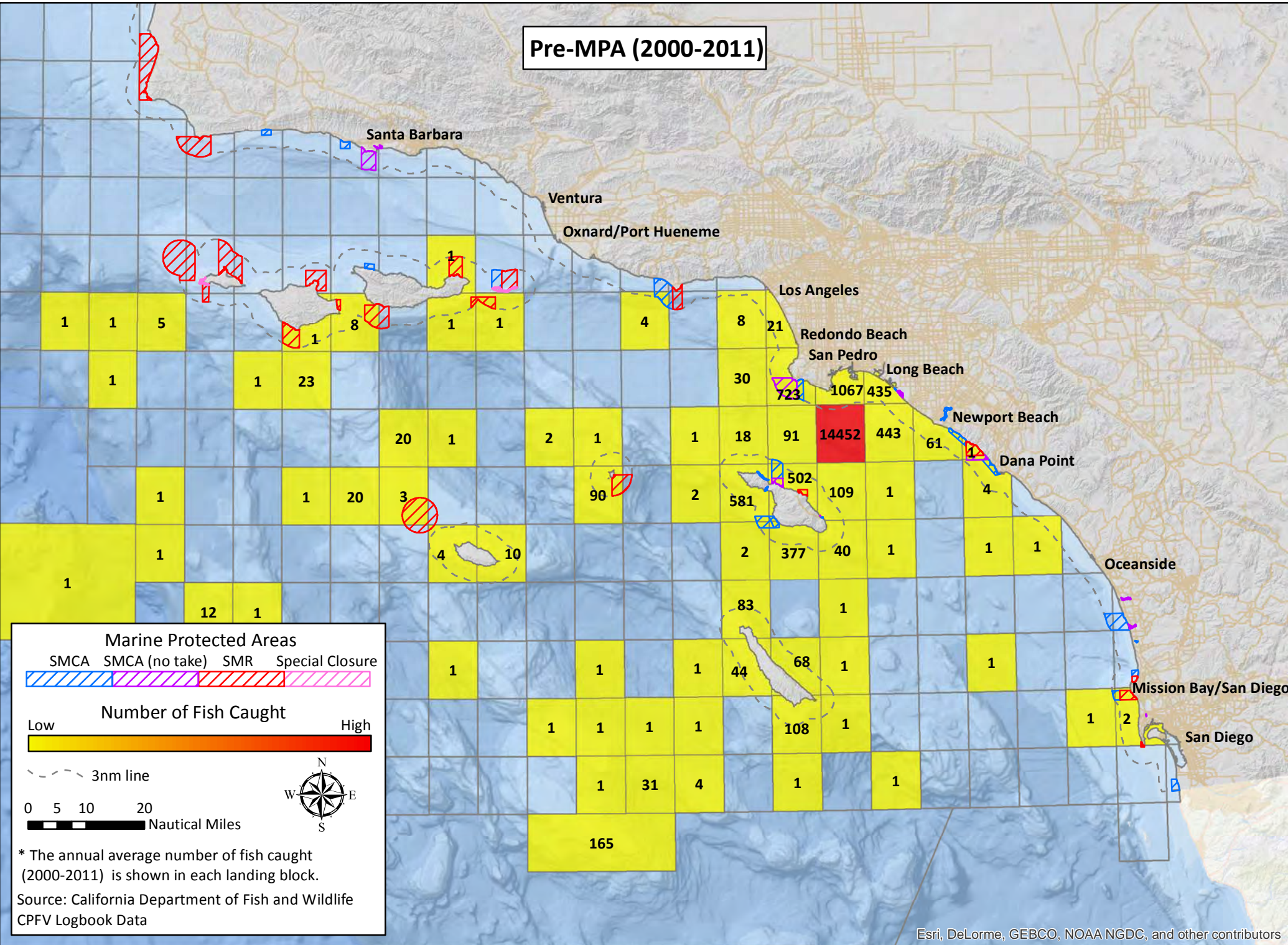
Post-MPA (2012)



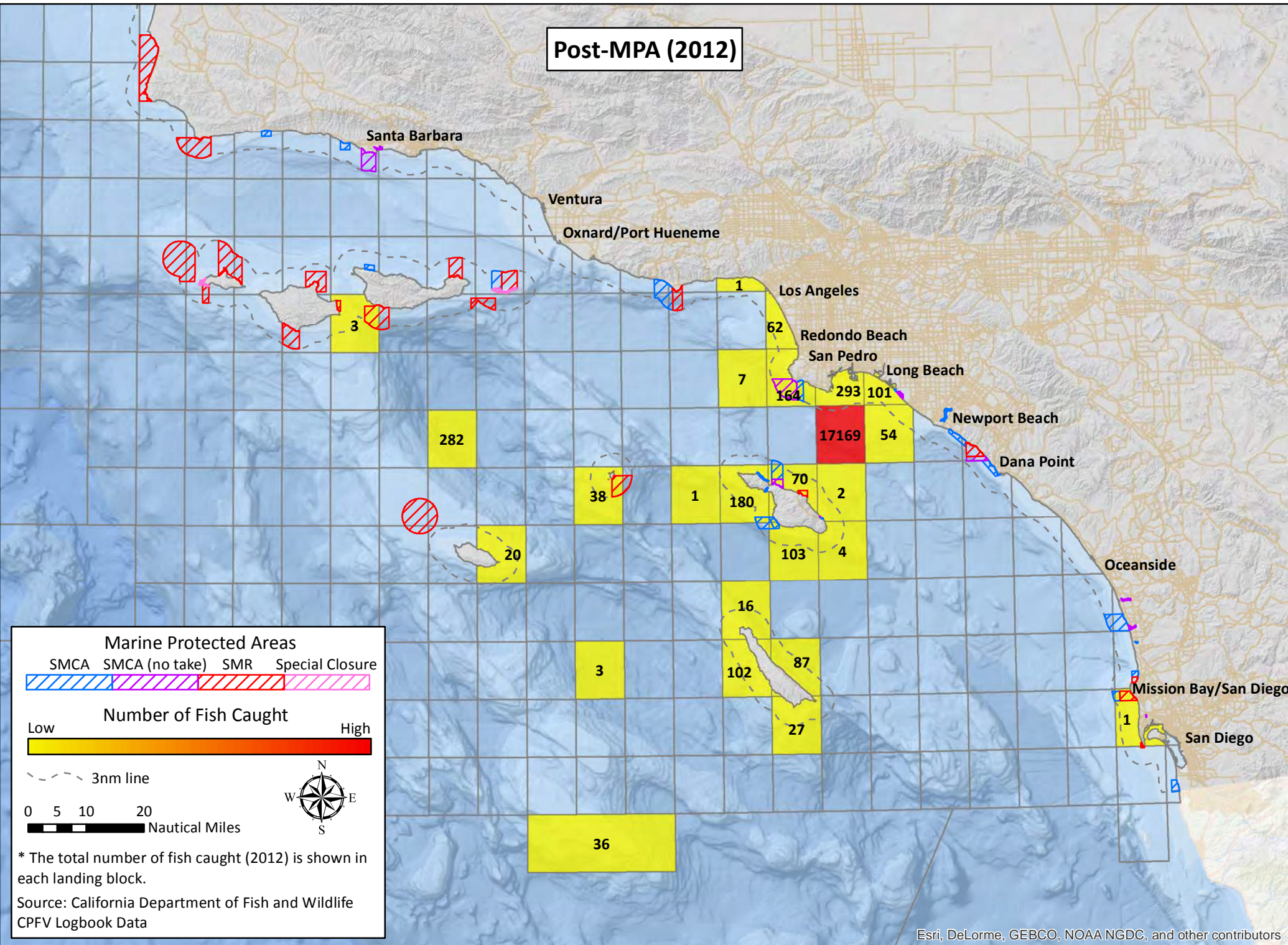
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## San Pedro – Number of Fish Caught – California scorpionfish

Pre-MPA (2000-2011)



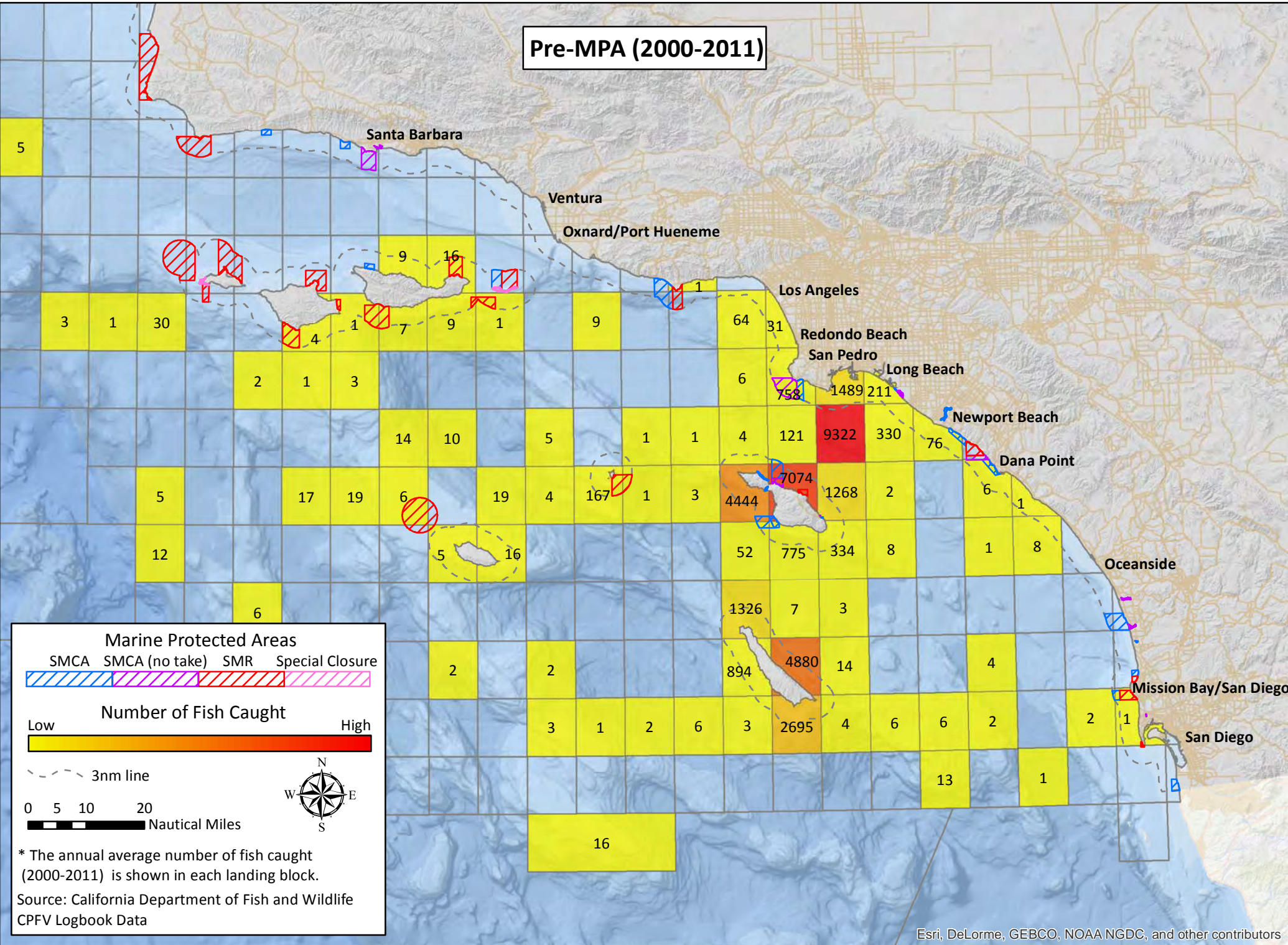
Post-MPA (2012)



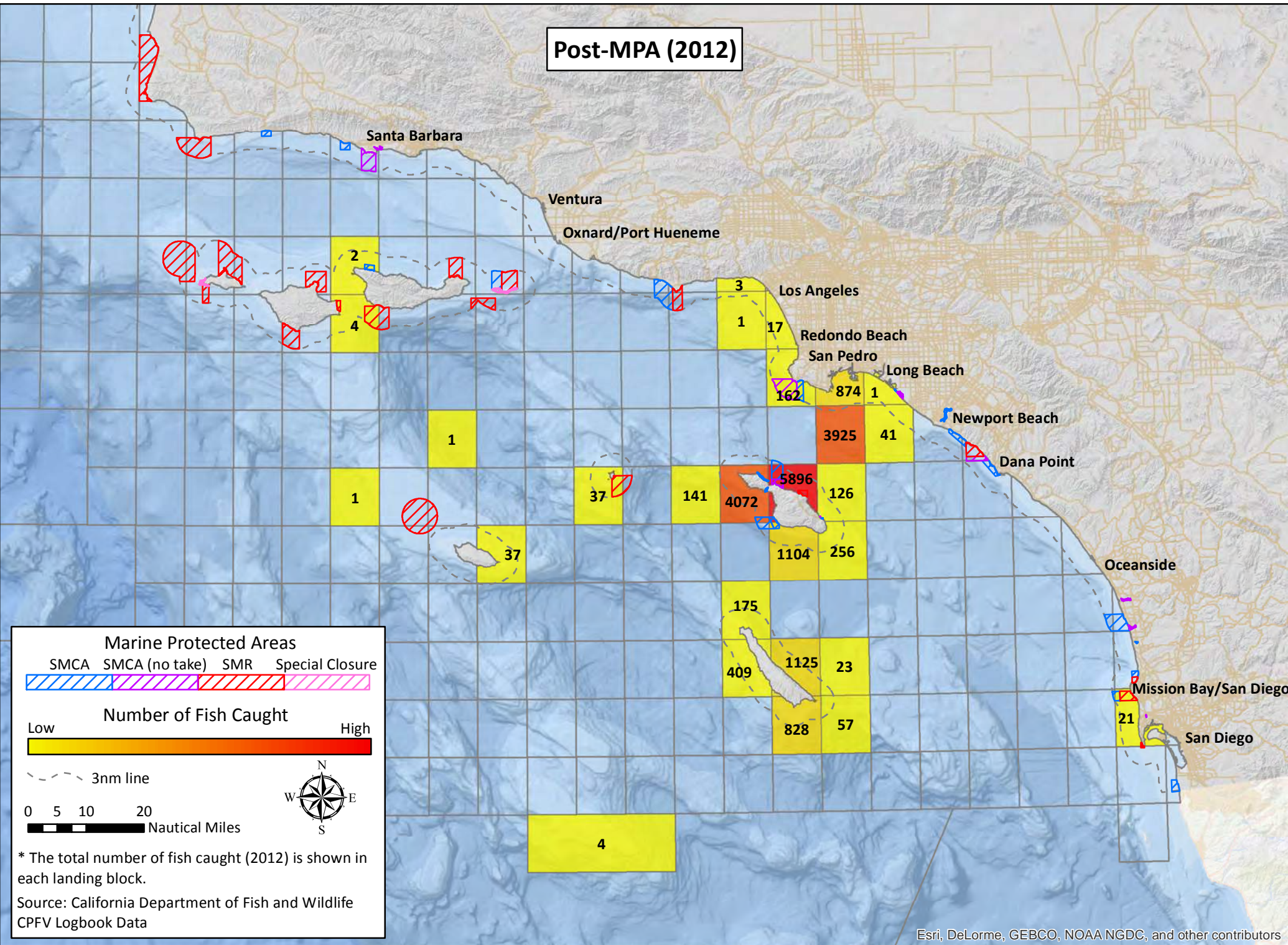
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## San Pedro – Number of Fish Caught – Kelp bass

Pre-MPA (2000-2011)



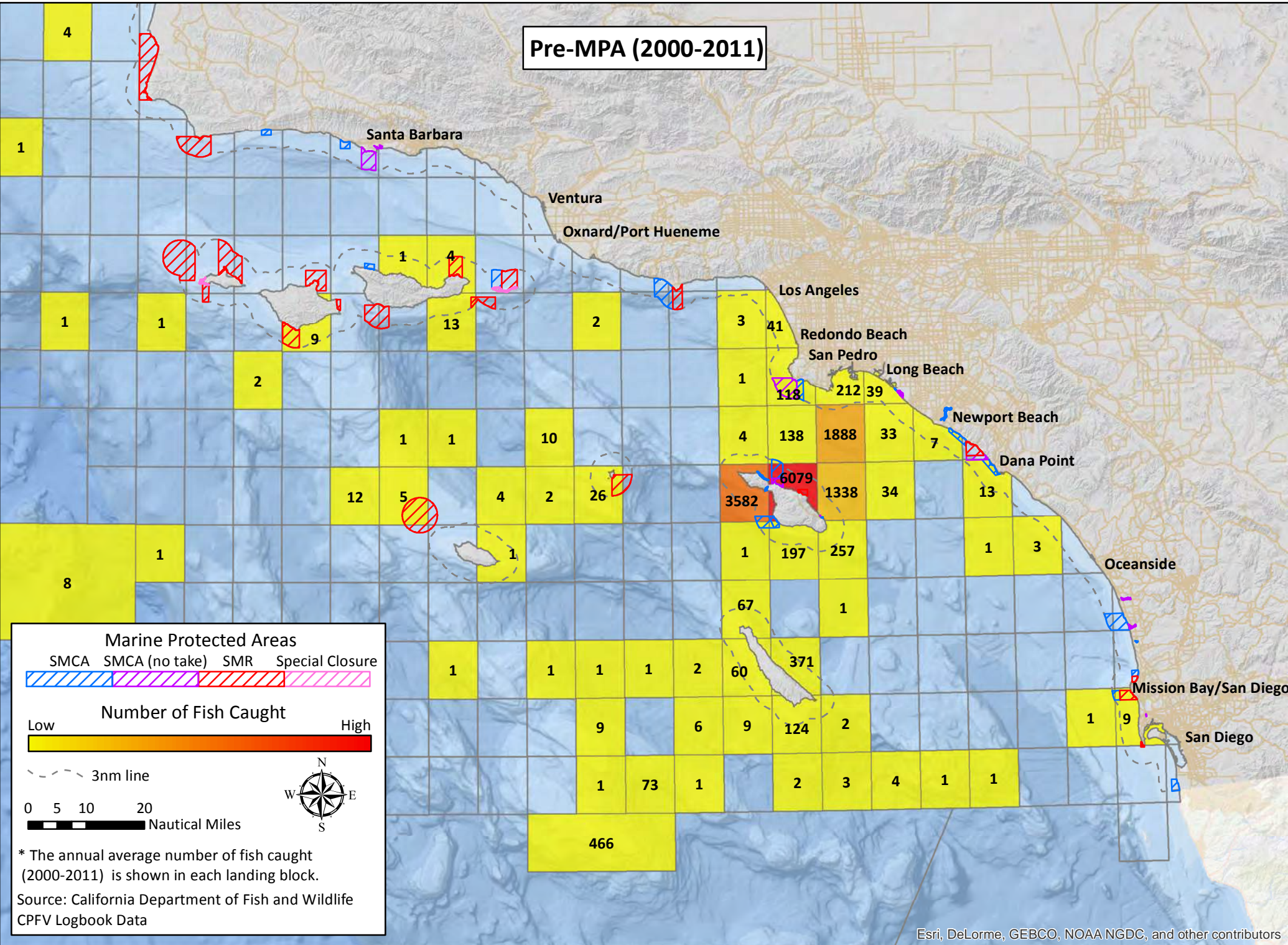
Post-MPA (2012)



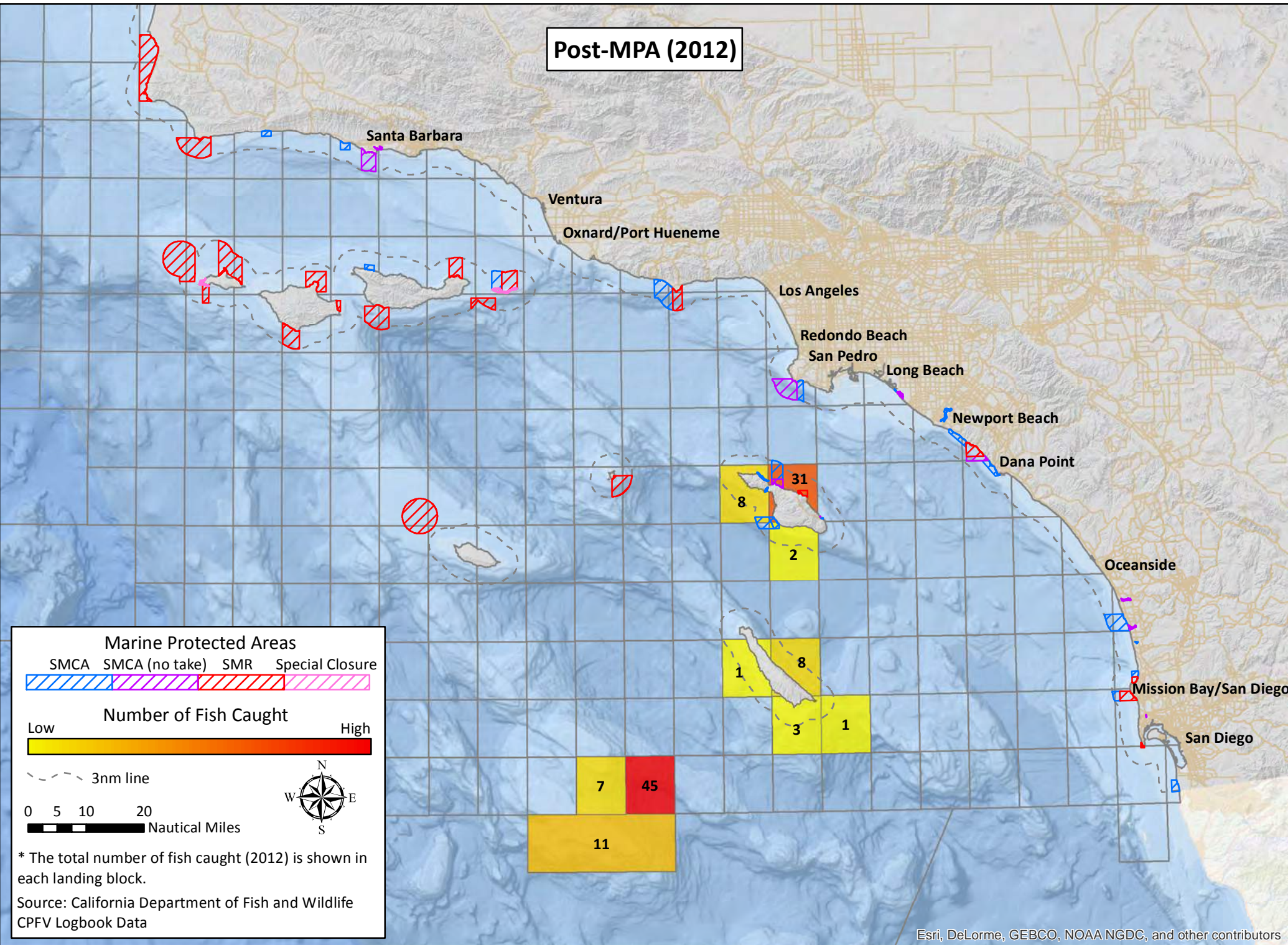
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## San Pedro – Number of Fish Caught – Pacific bonito

Pre-MPA (2000-2011)



Post-MPA (2012)

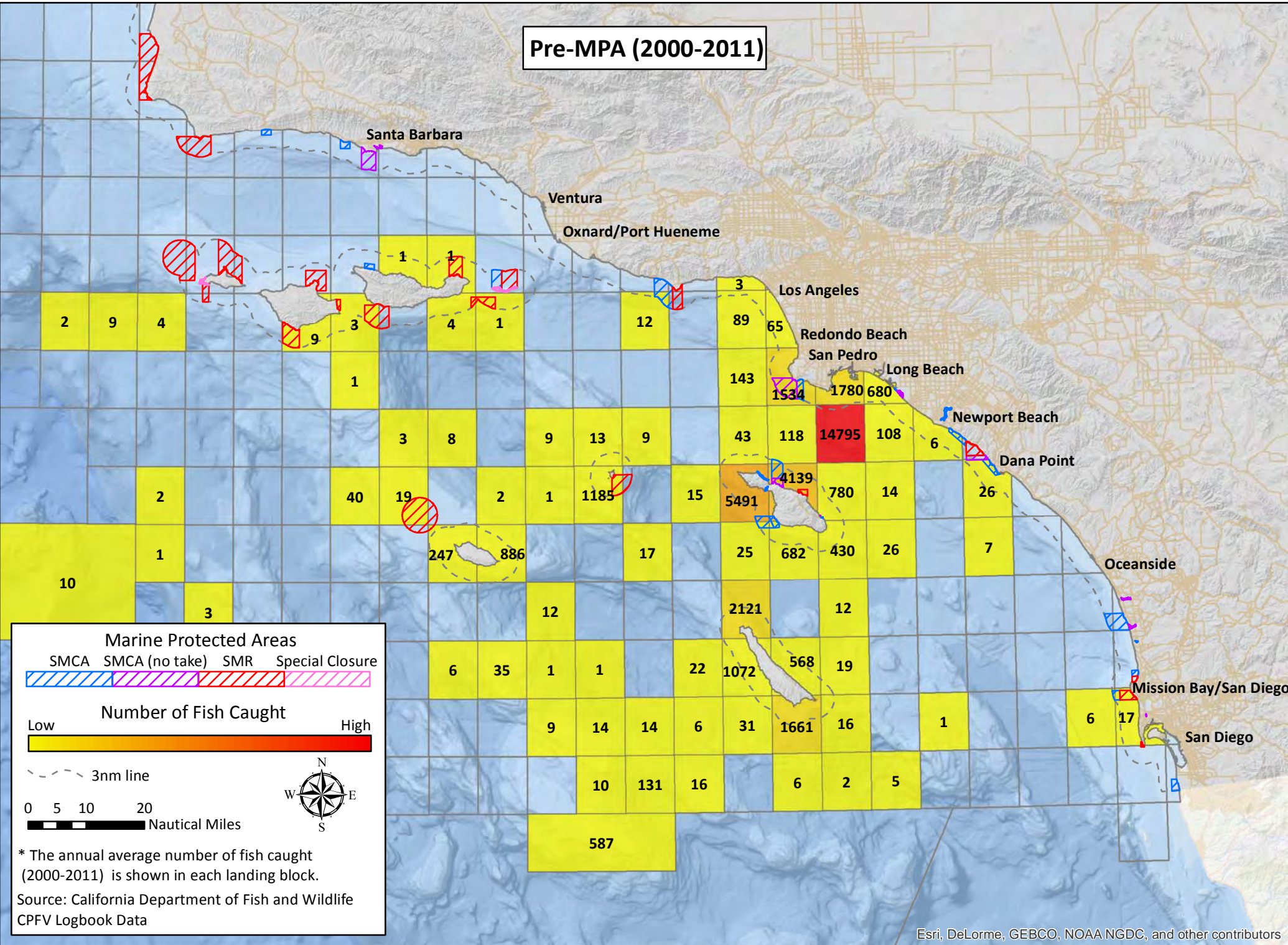




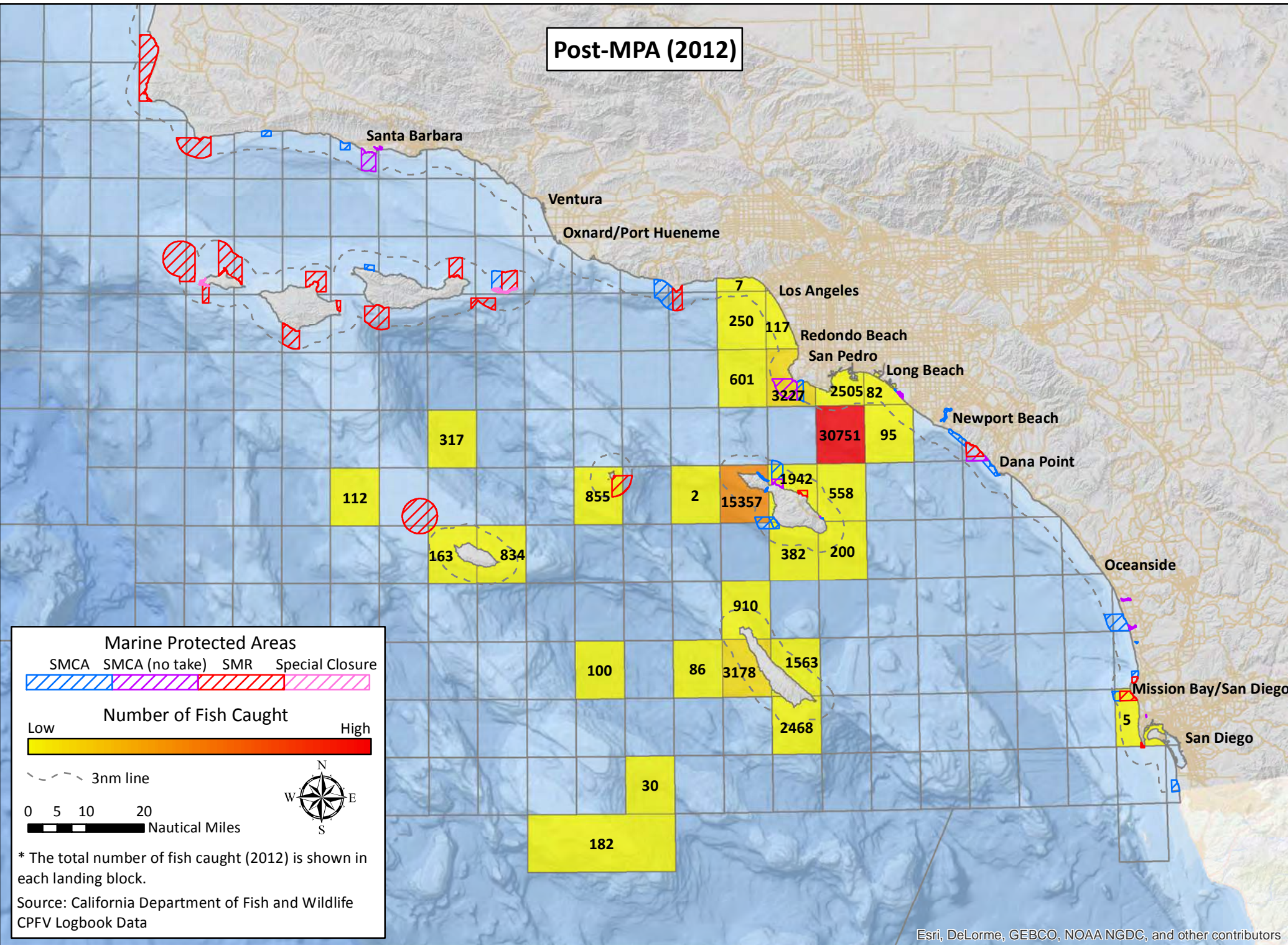
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## San Pedro – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)



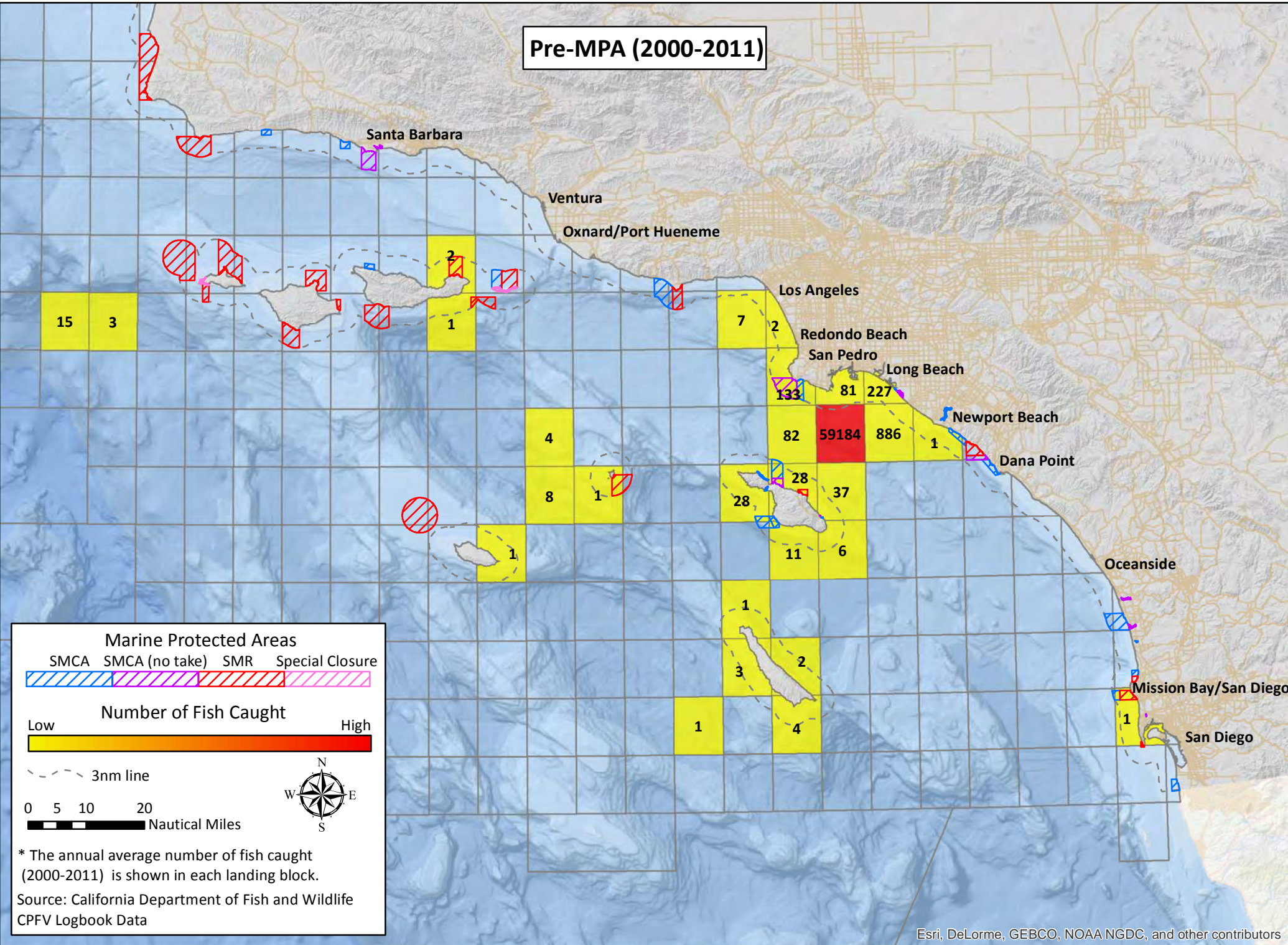
Post-MPA (2012)



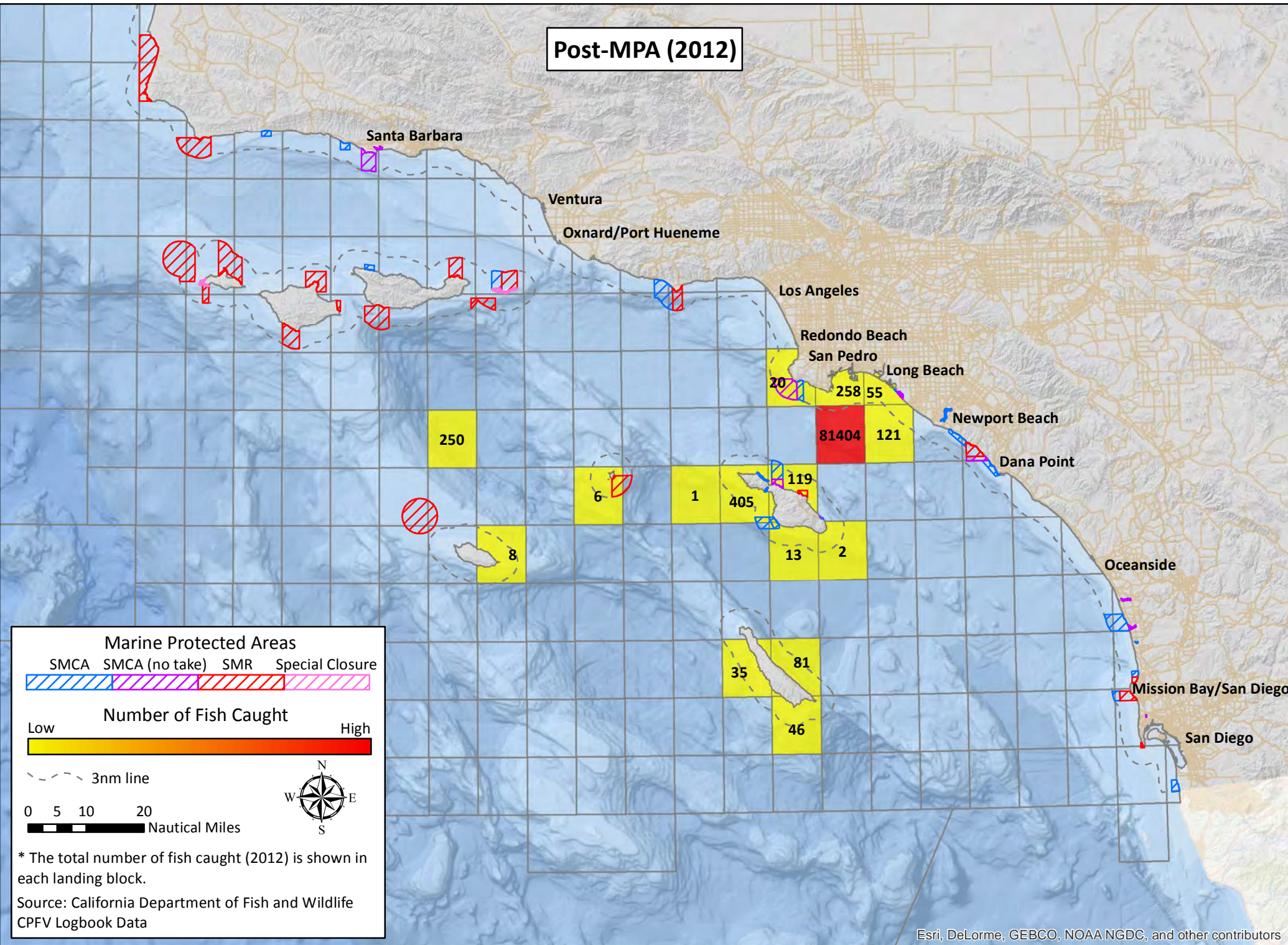
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## San Pedro – Number of Fish Caught – Sanddab

Pre-MPA (2000-2011)



Post-MPA (2012)



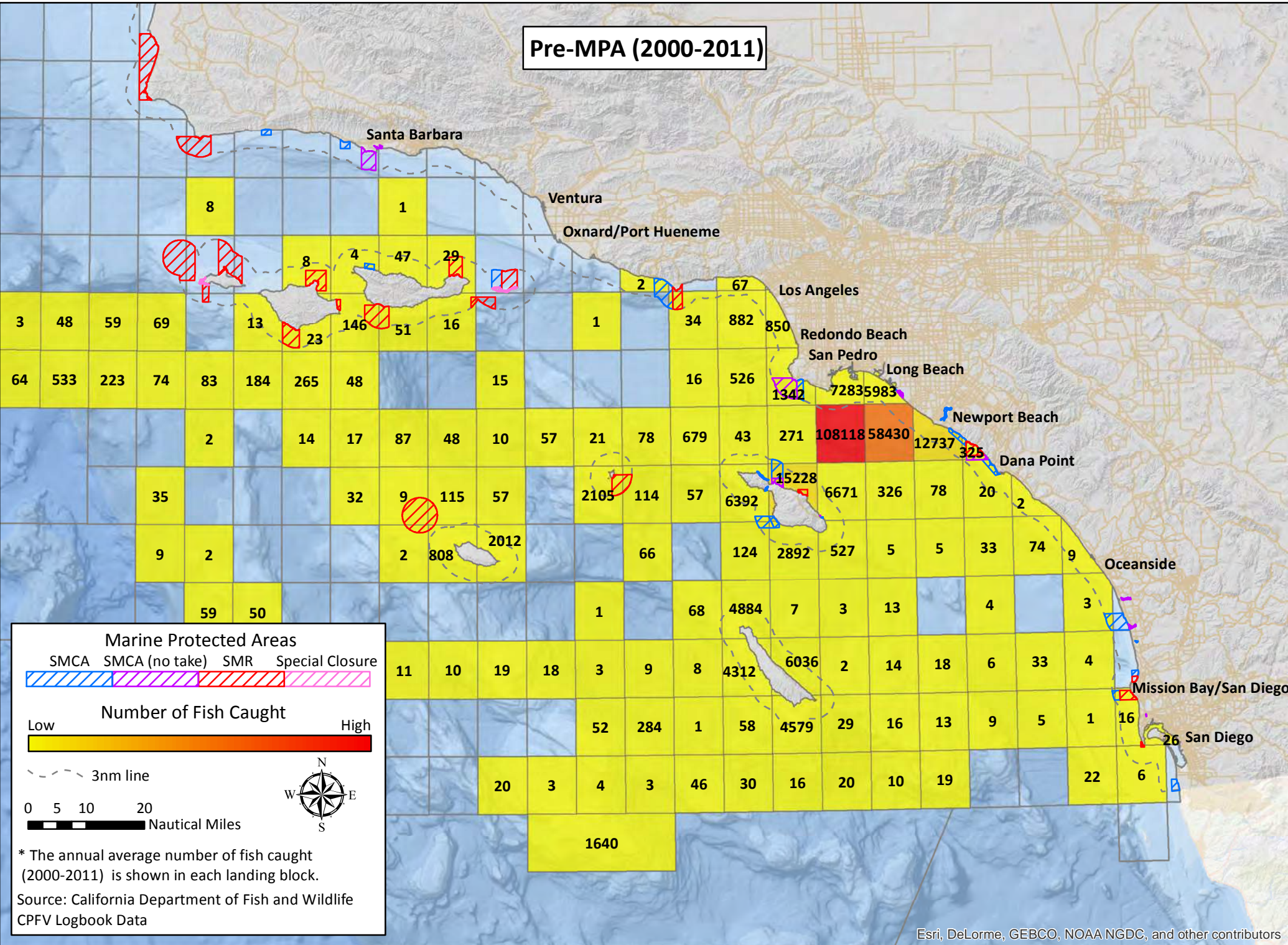
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

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

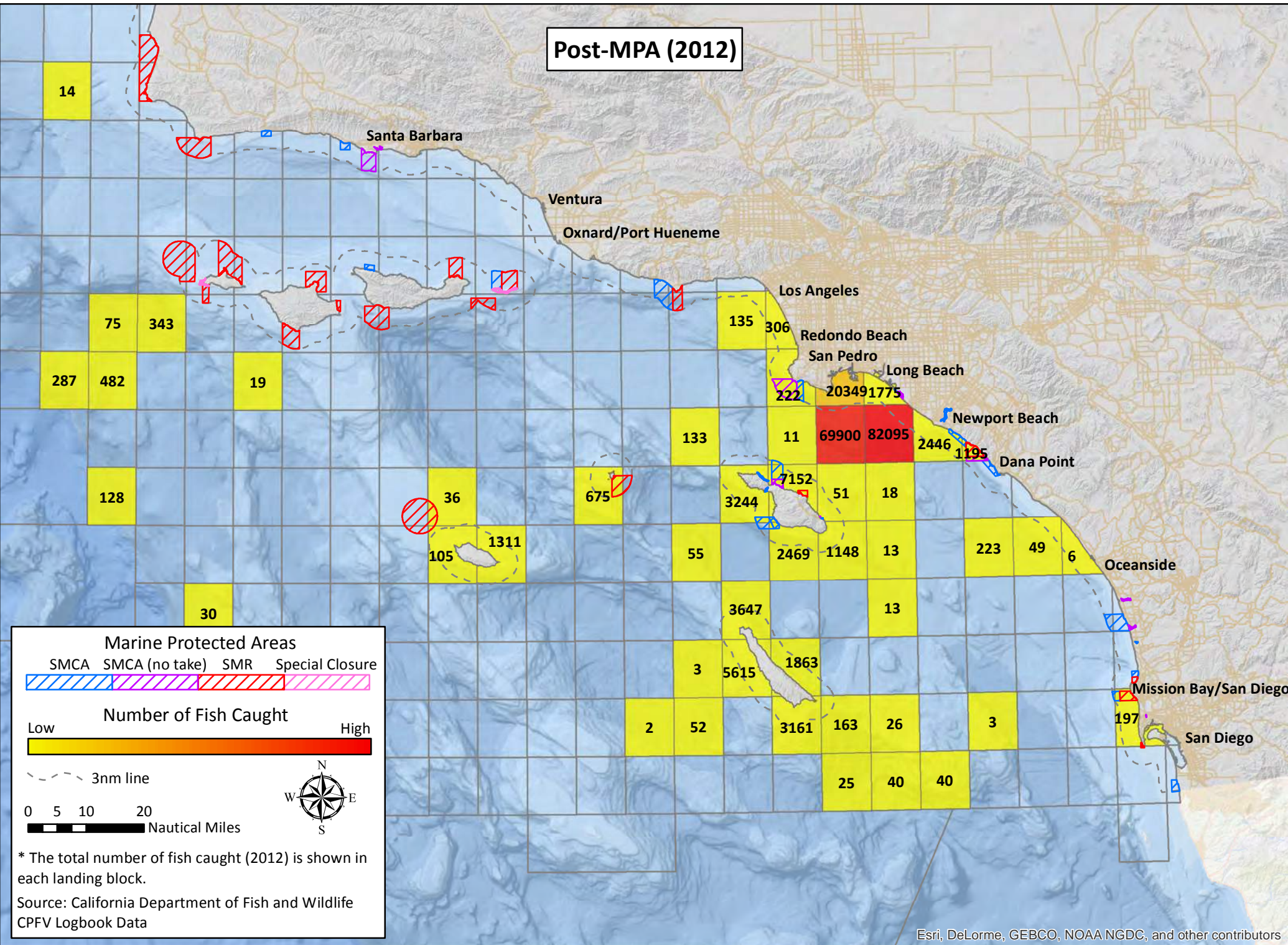
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Long Beach – Number of Fish Caught – All Fisheries

Pre-MPA (2000-2011)



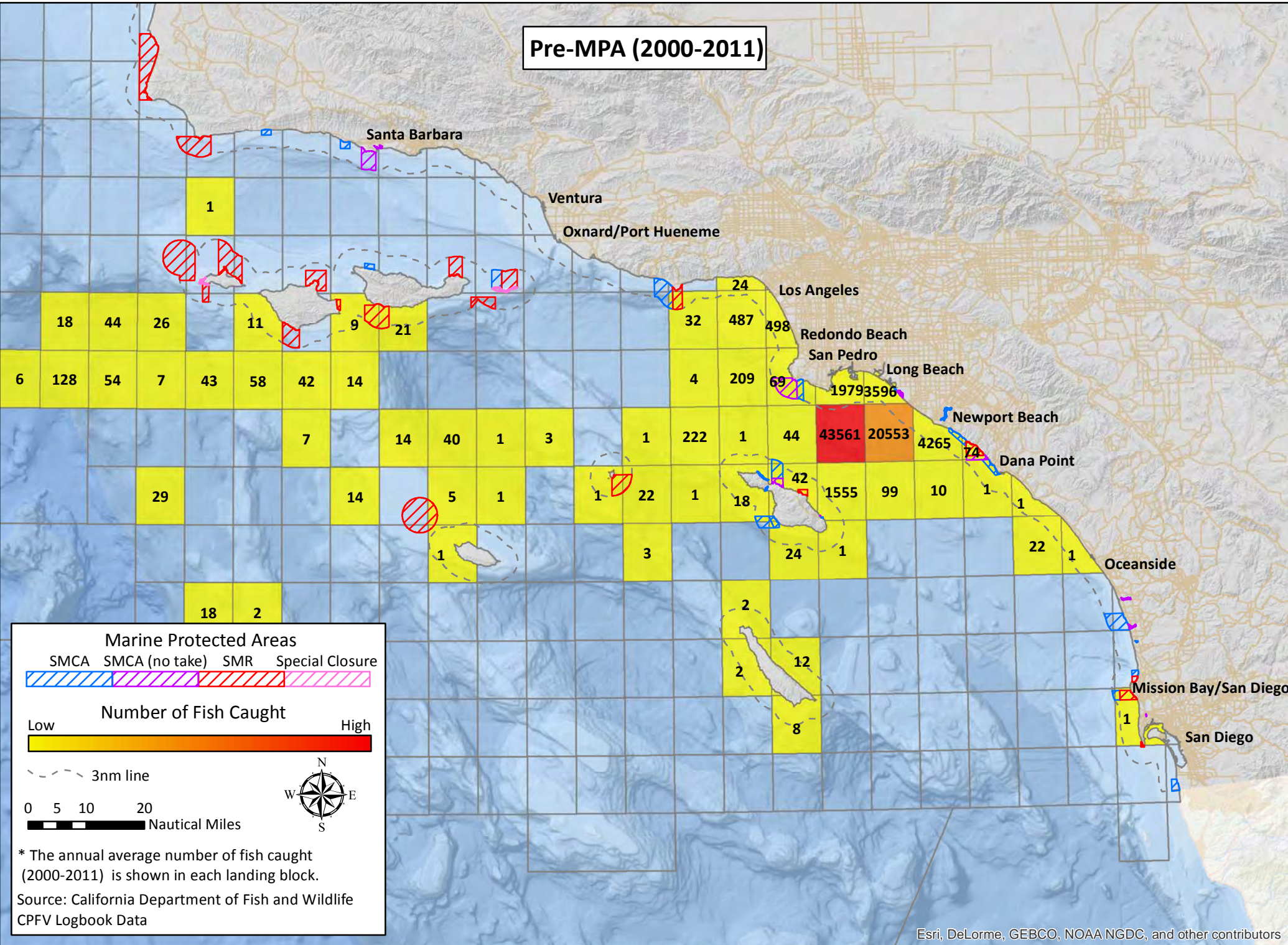
Post-MPA (2012)



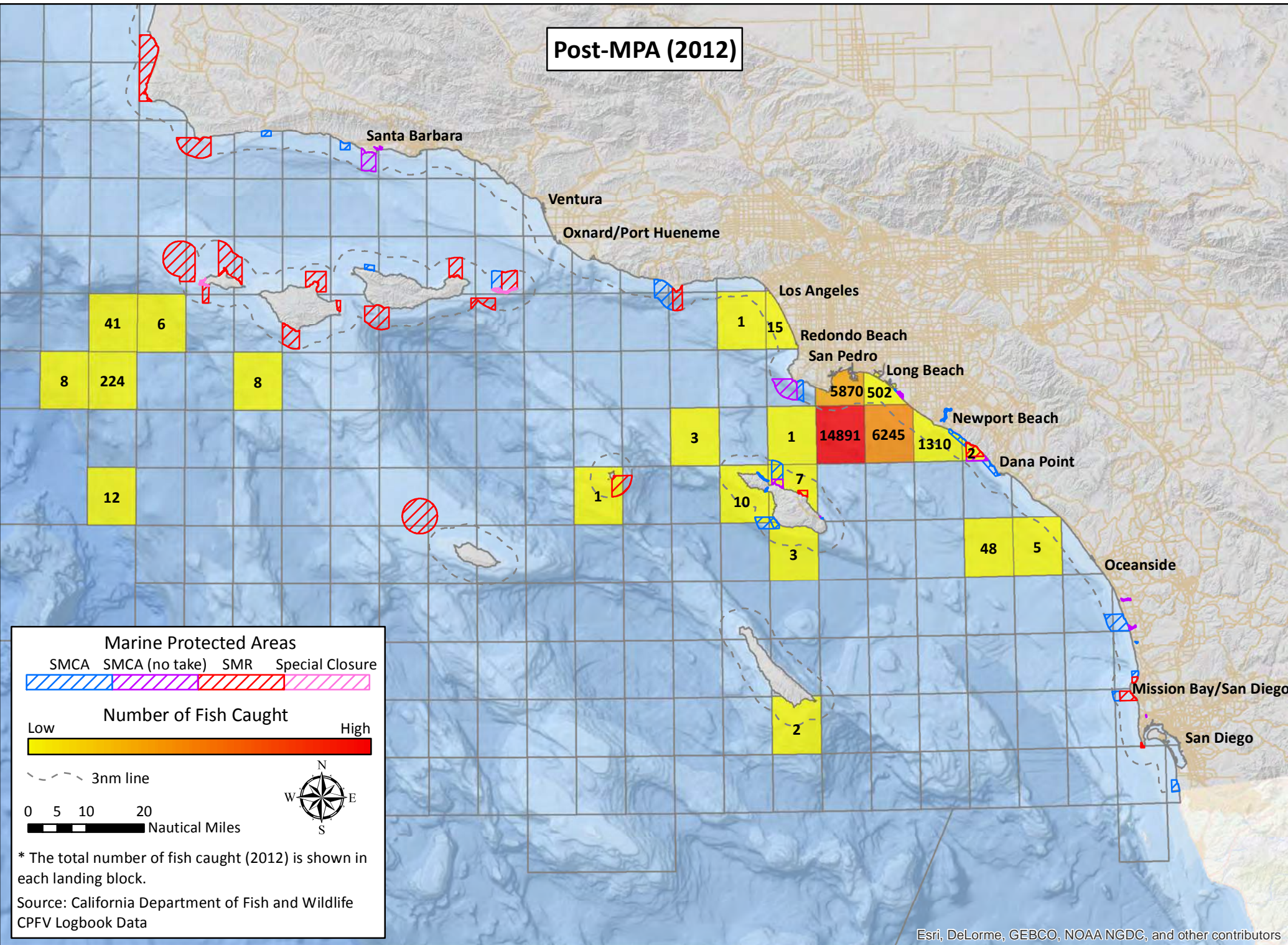
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Long Beach – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)



Post-MPA (2012)



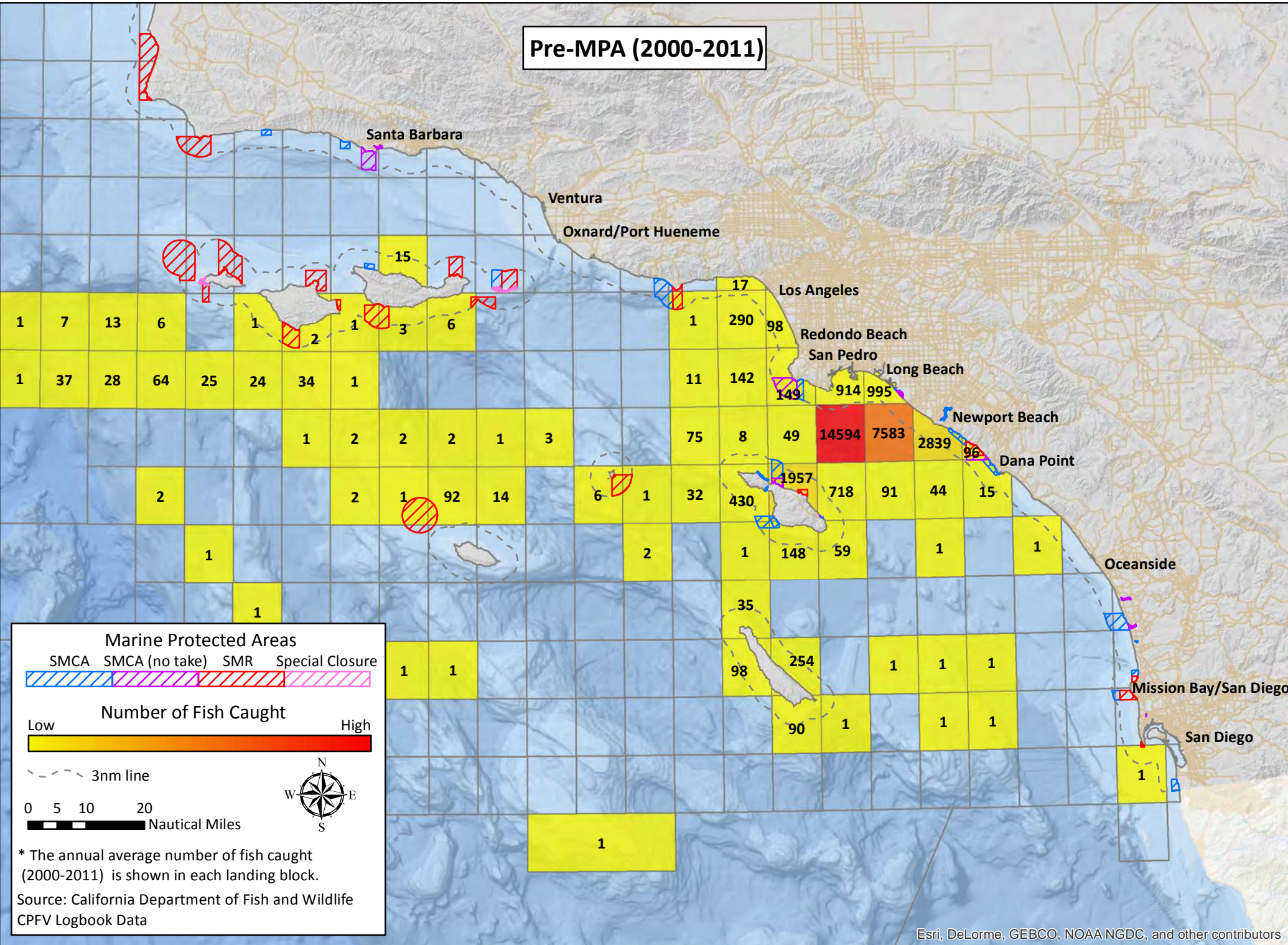
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

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

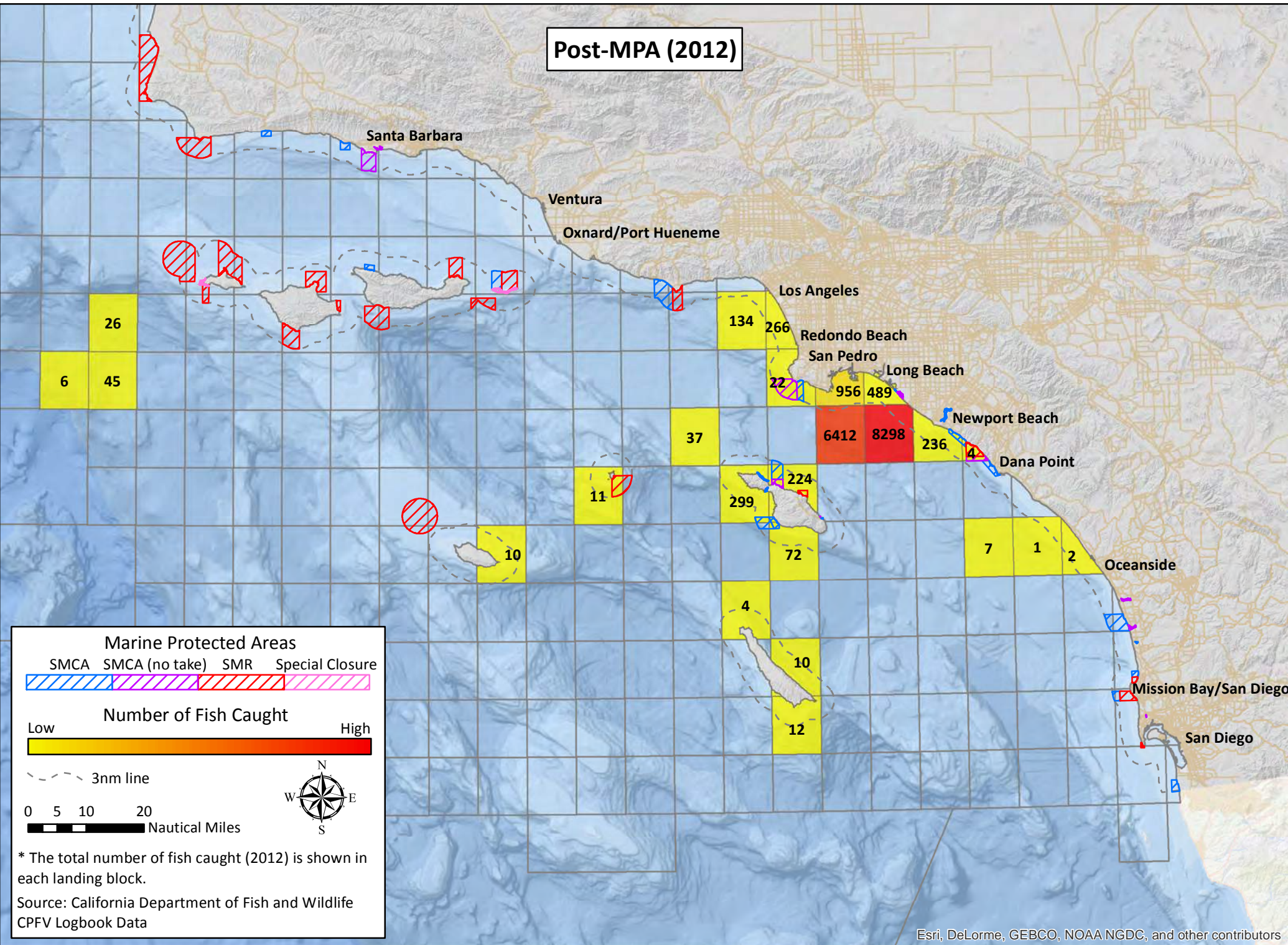
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Long Beach – Number of Fish Caught – California barracuda

Pre-MPA (2000-2011)



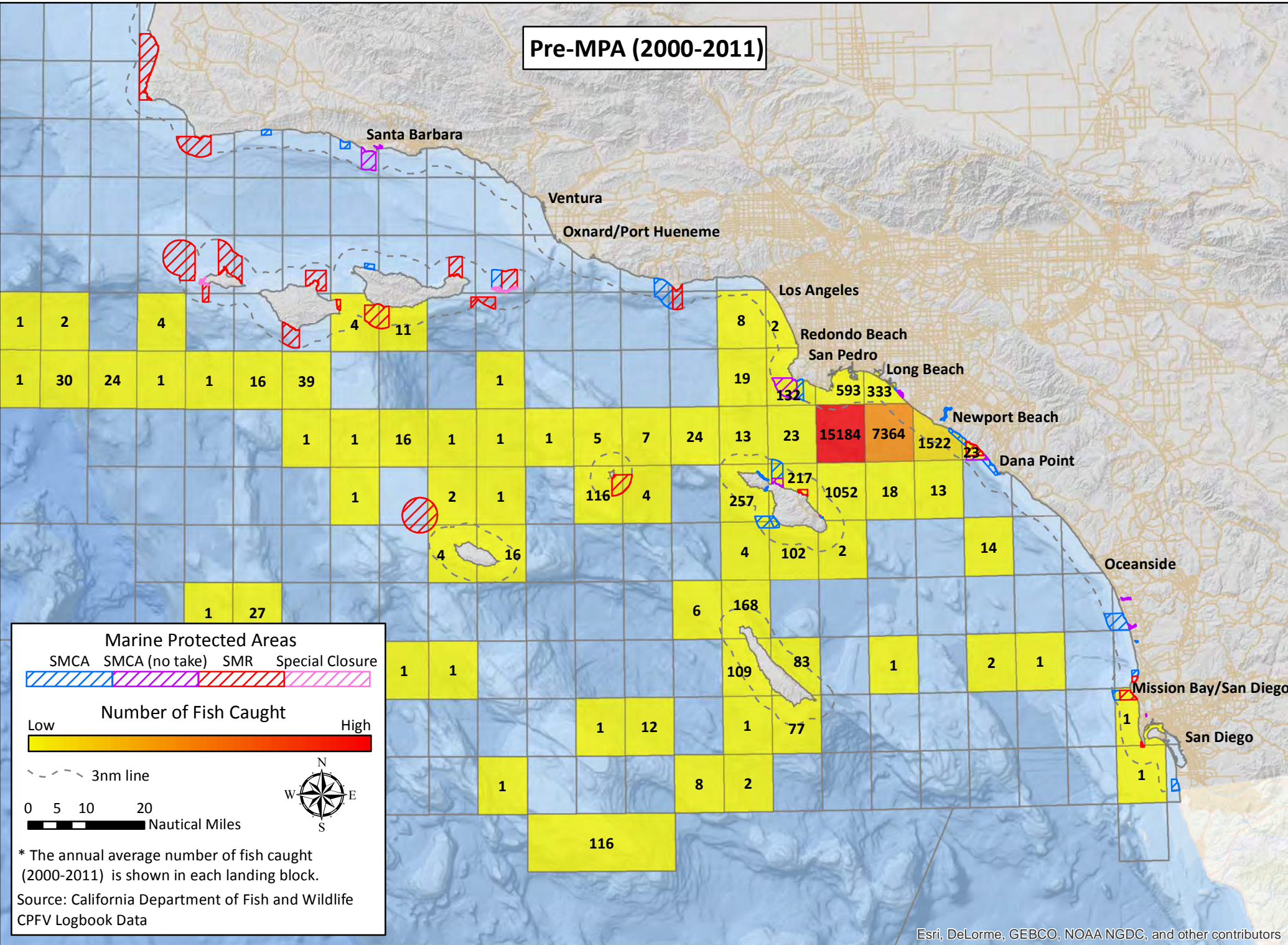
Post-MPA (2012)



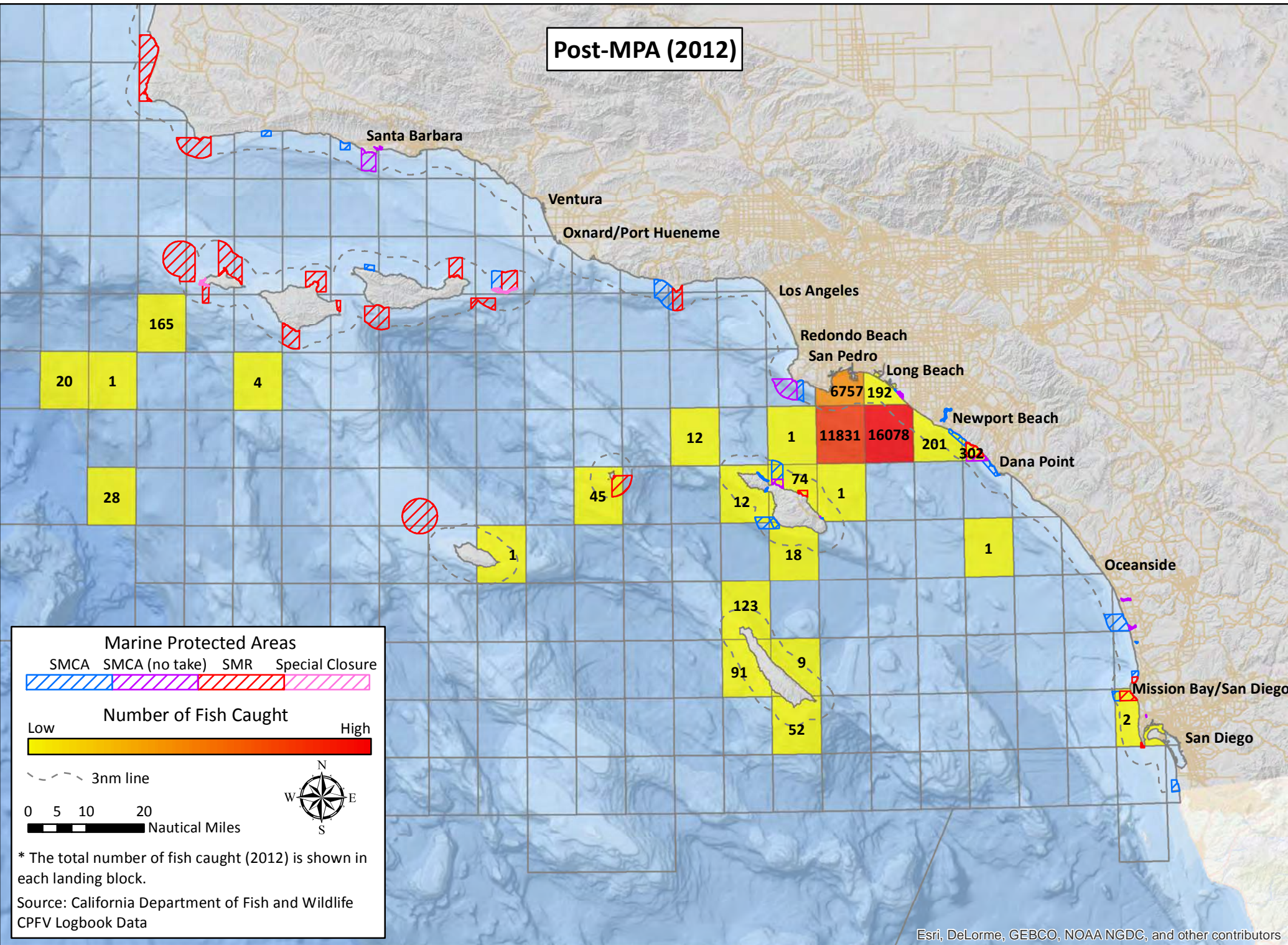
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Long Beach – Number of Fish Caught – California scorpionfish

Pre-MPA (2000-2011)



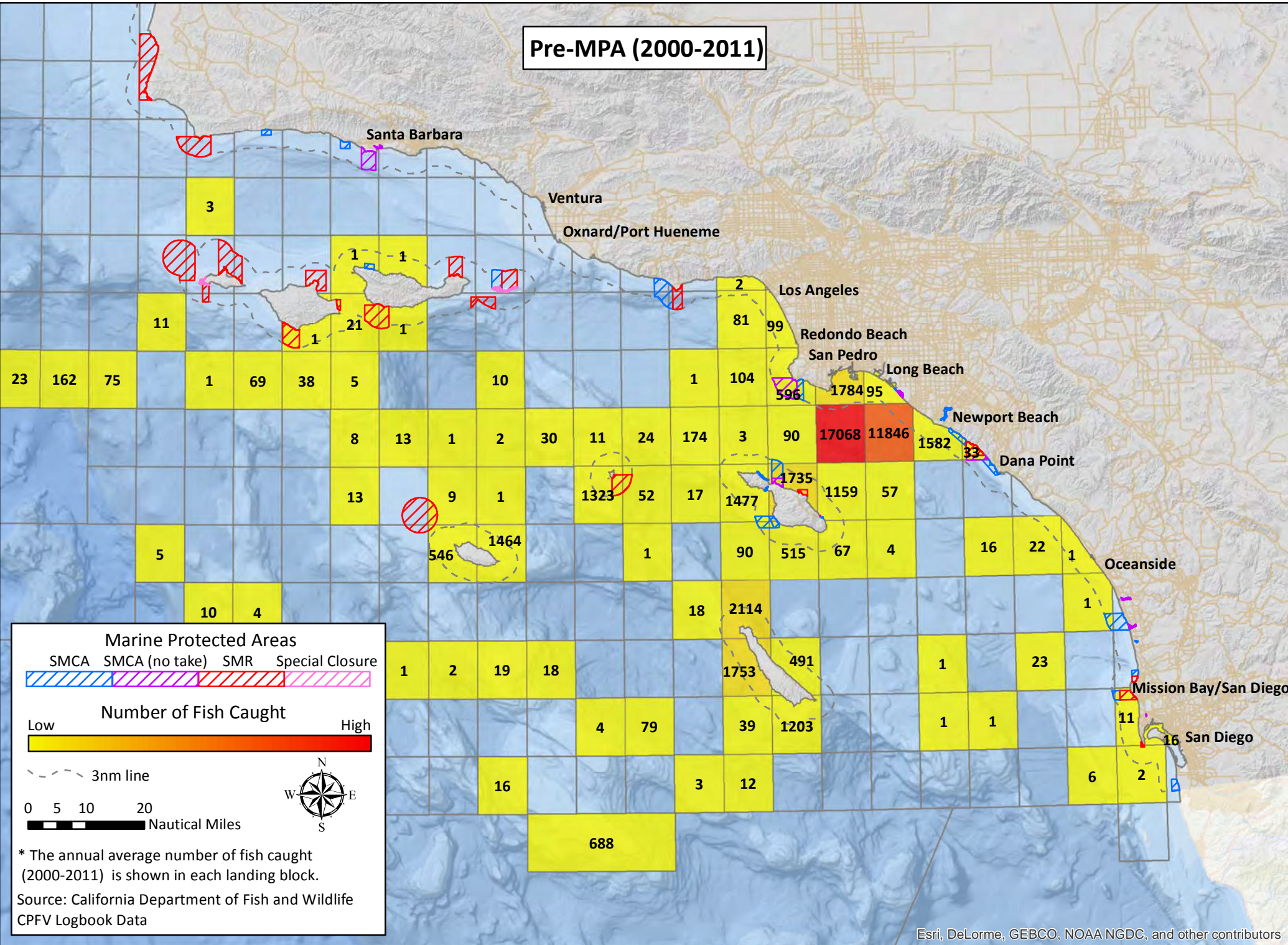
Post-MPA (2012)



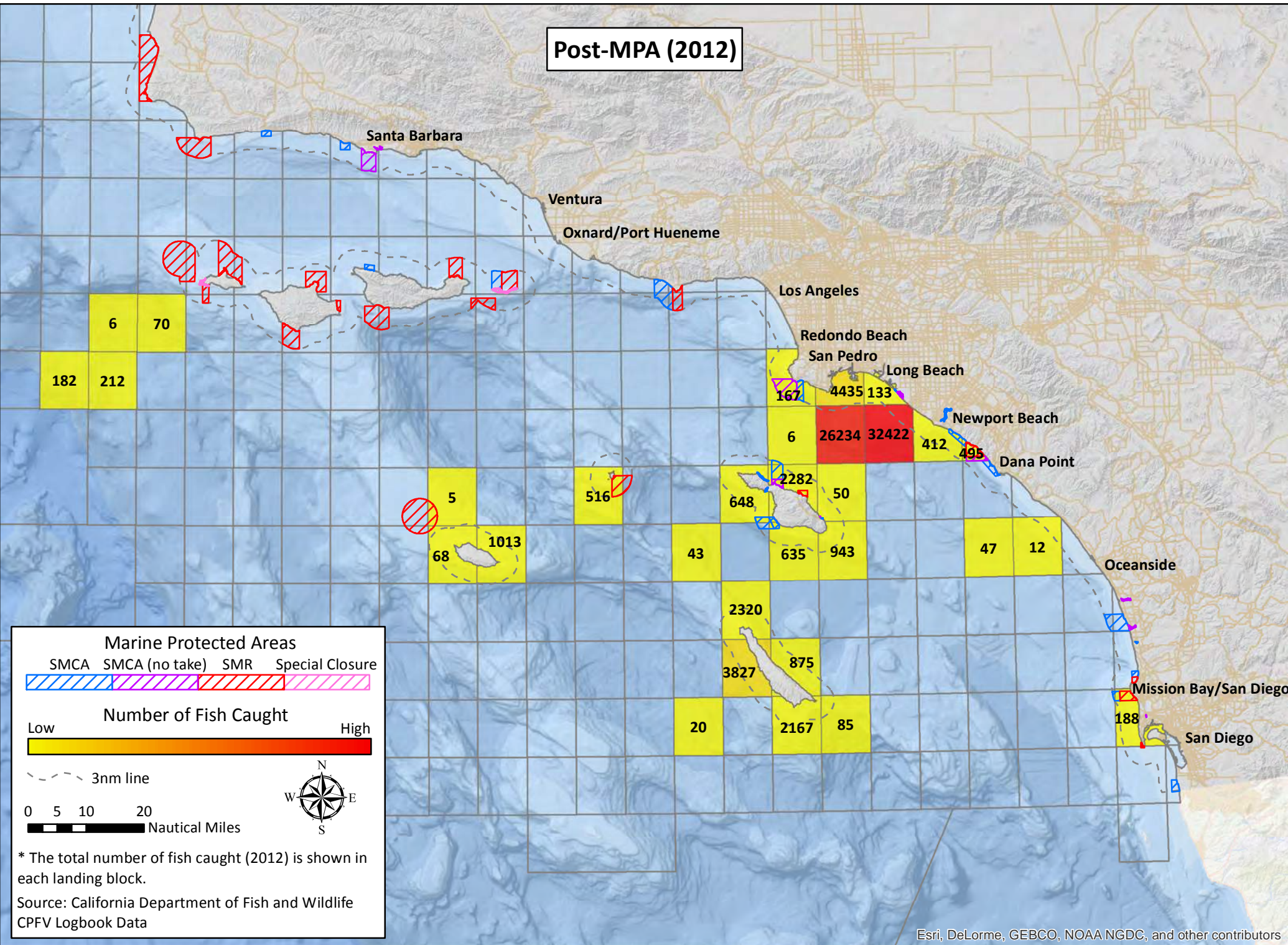
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Long Beach – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)



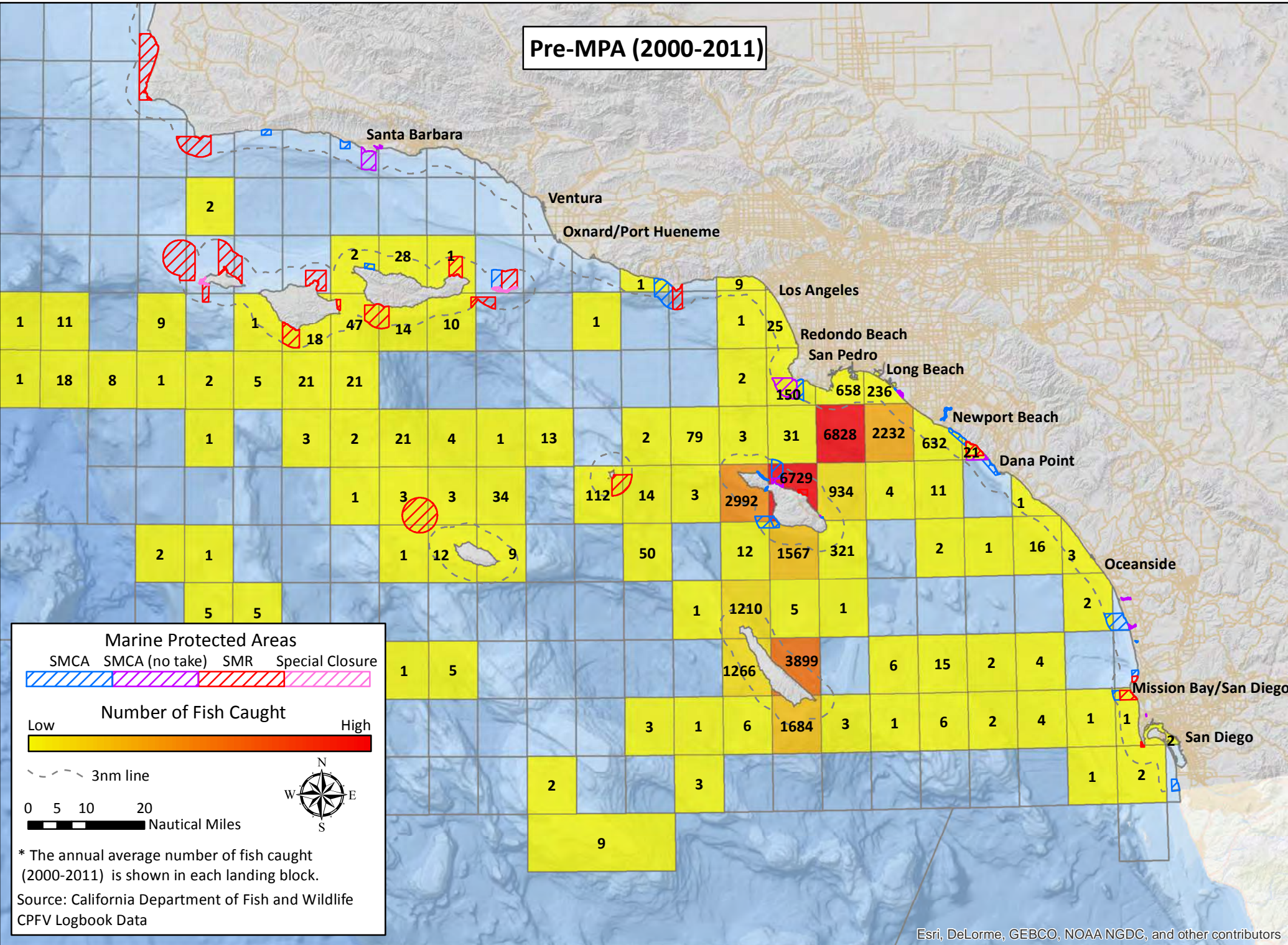
Post-MPA (2012)



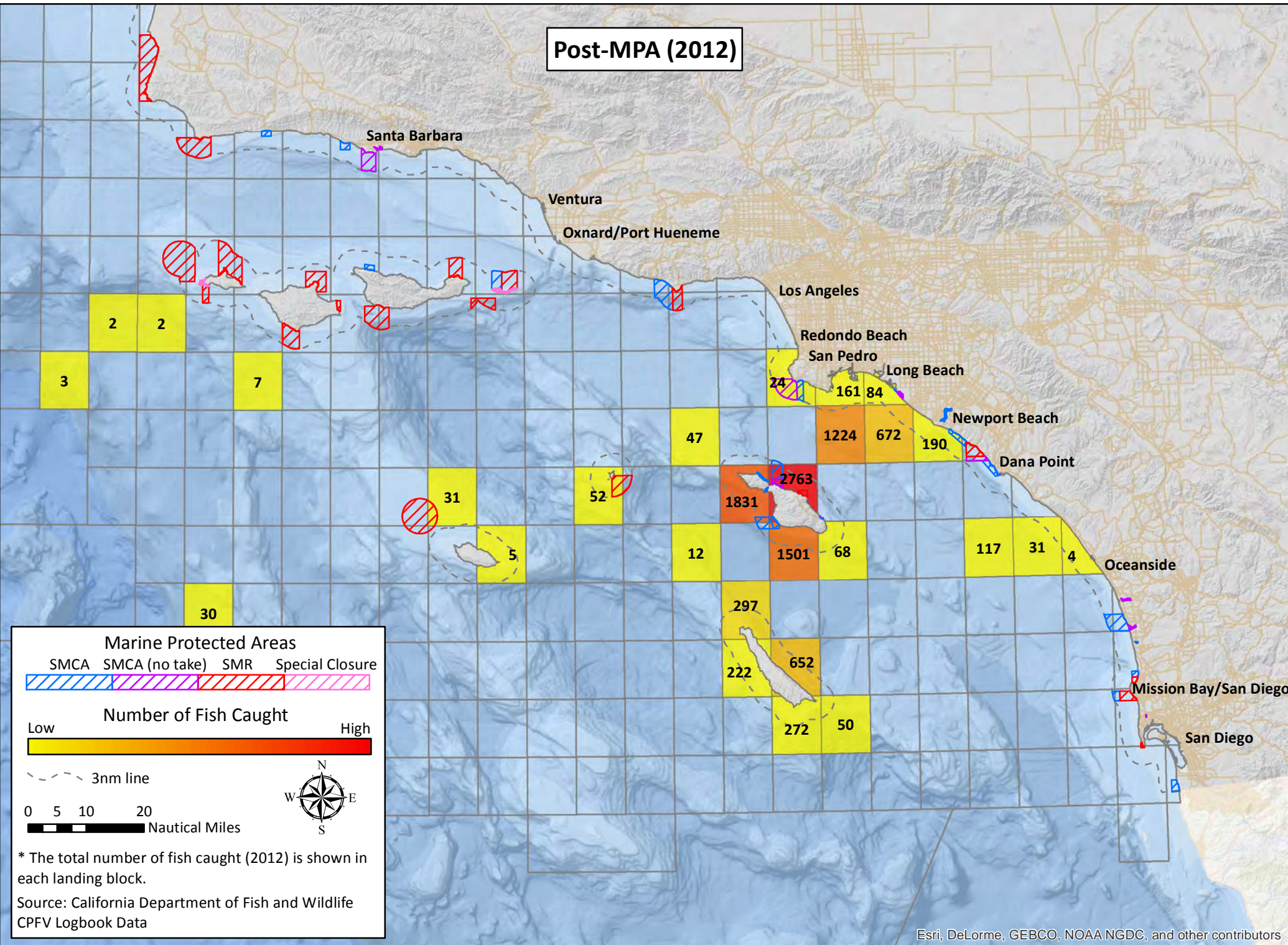
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Long Beach – Number of Fish Caught – Kelp bass

Pre-MPA (2000-2011)



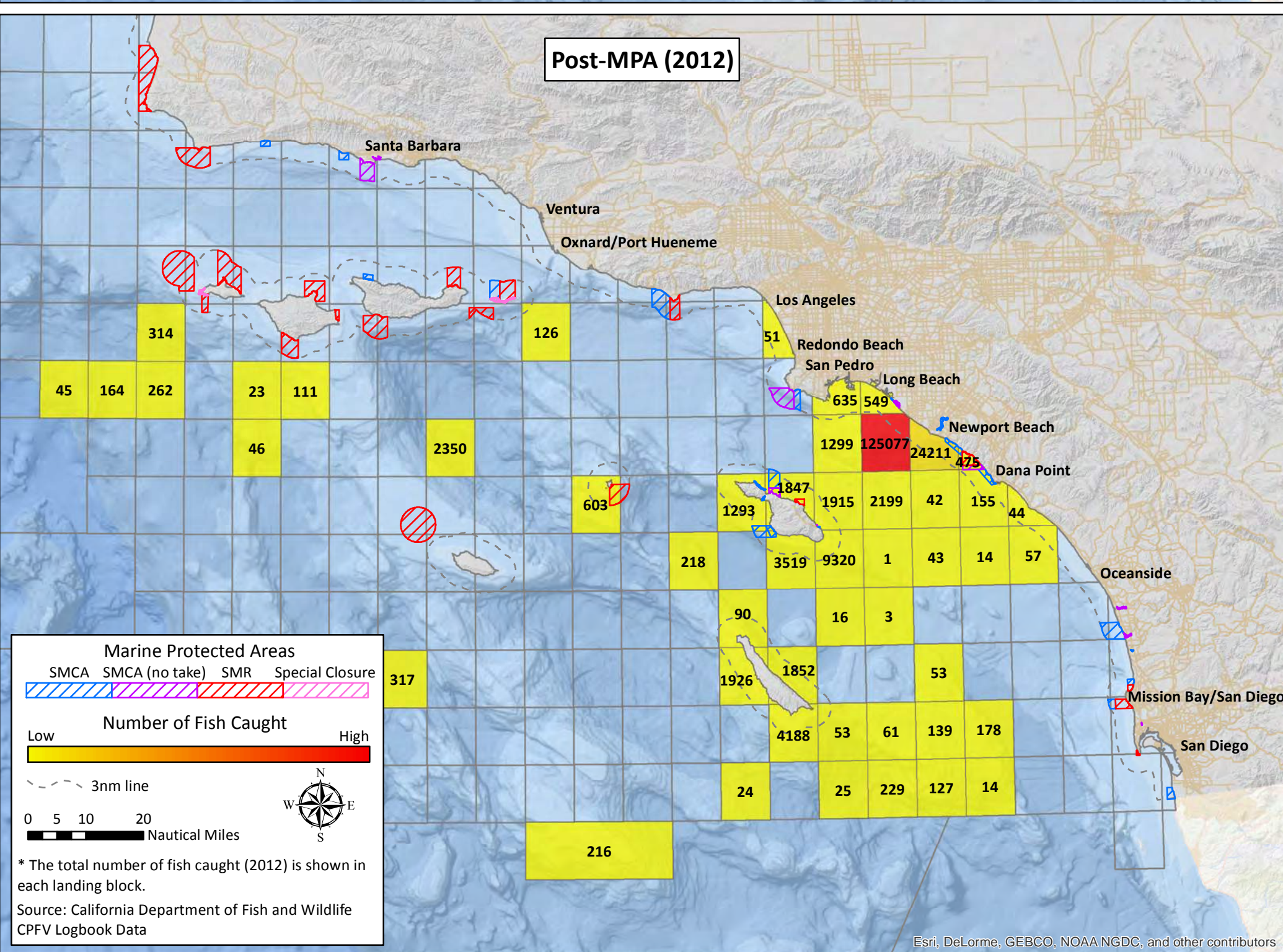
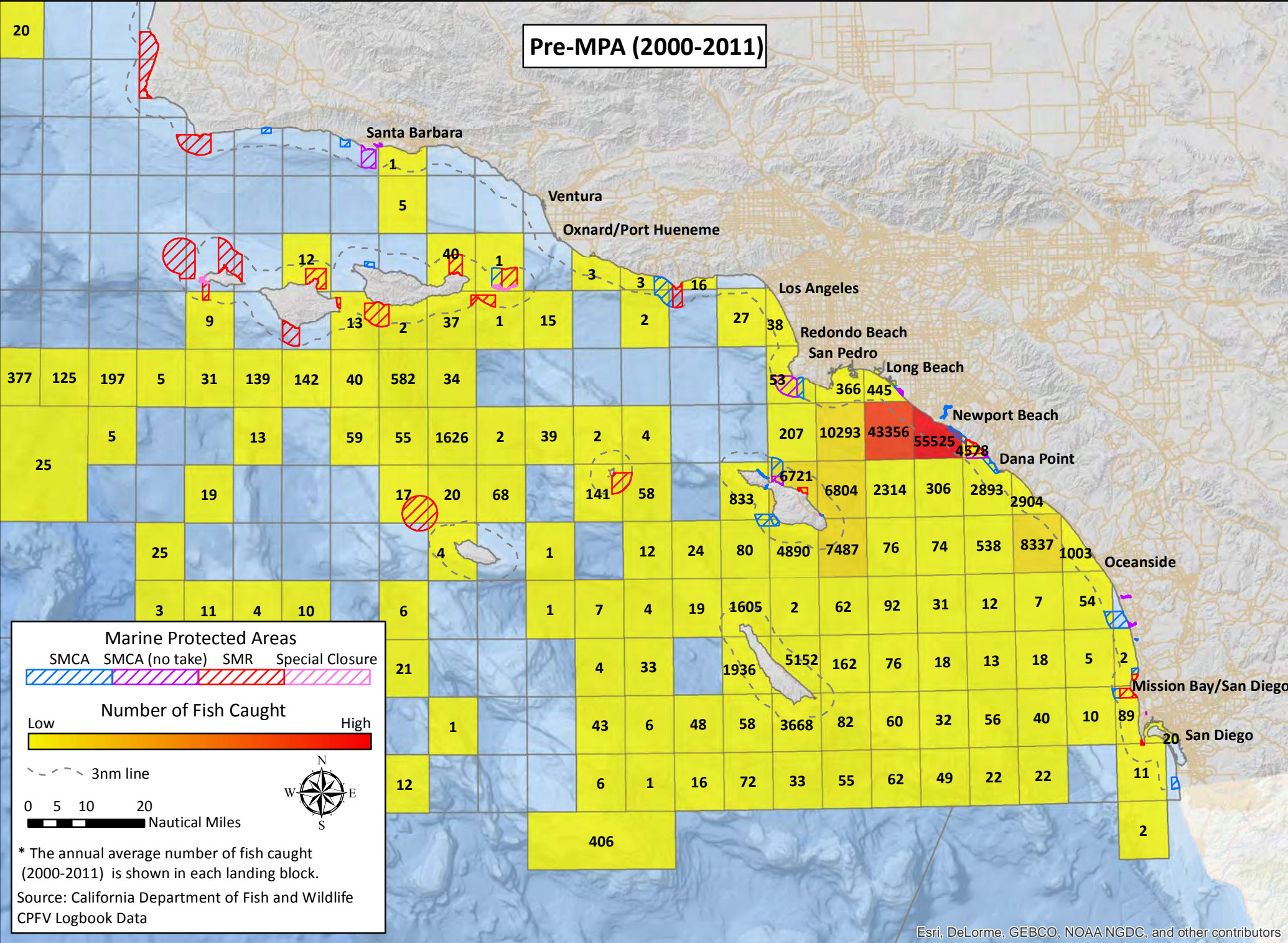
Post-MPA (2012)





# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

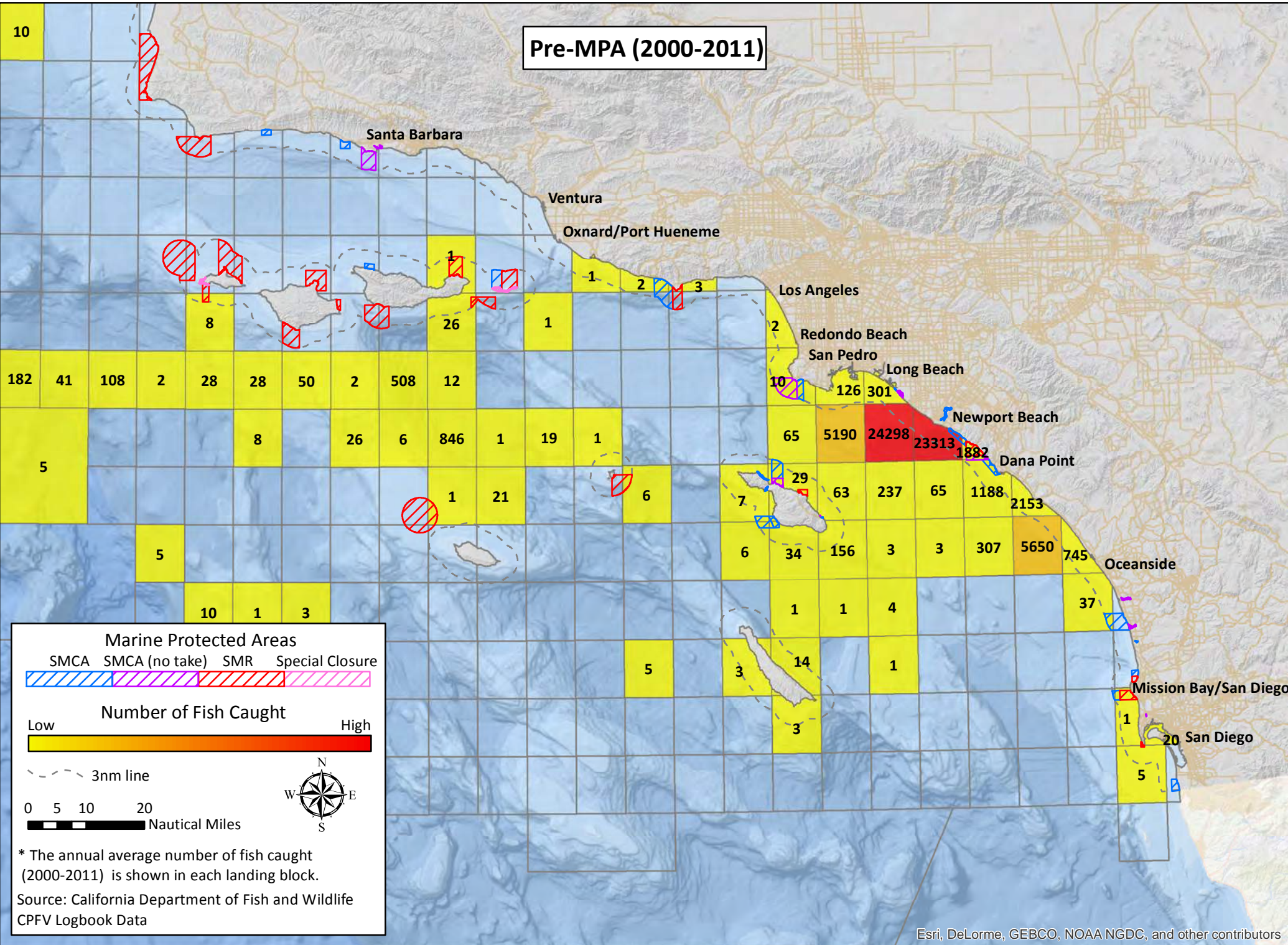
## Newport Beach – Number of Fish Caught – All Fisheries



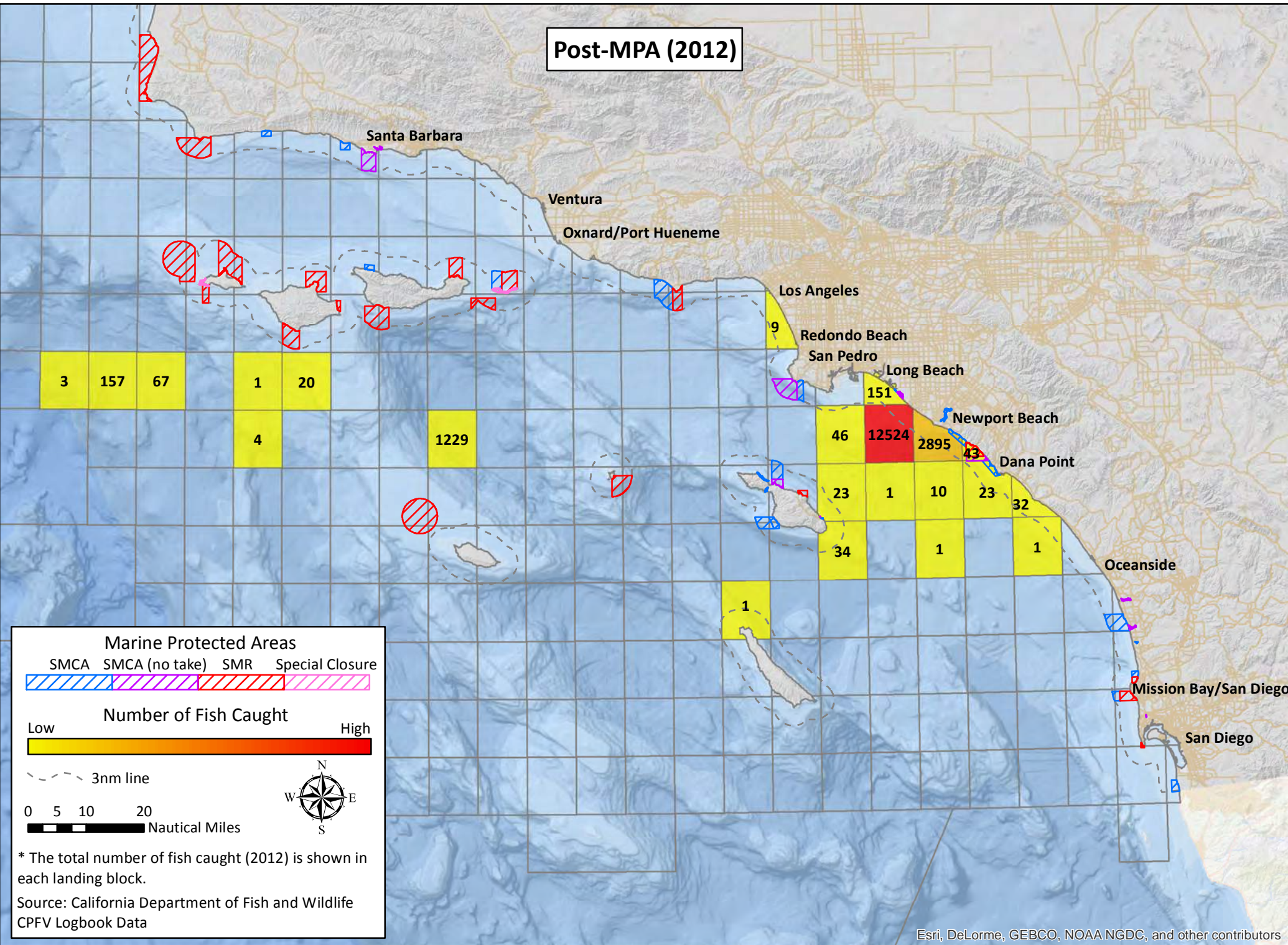
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Newport Beach – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)



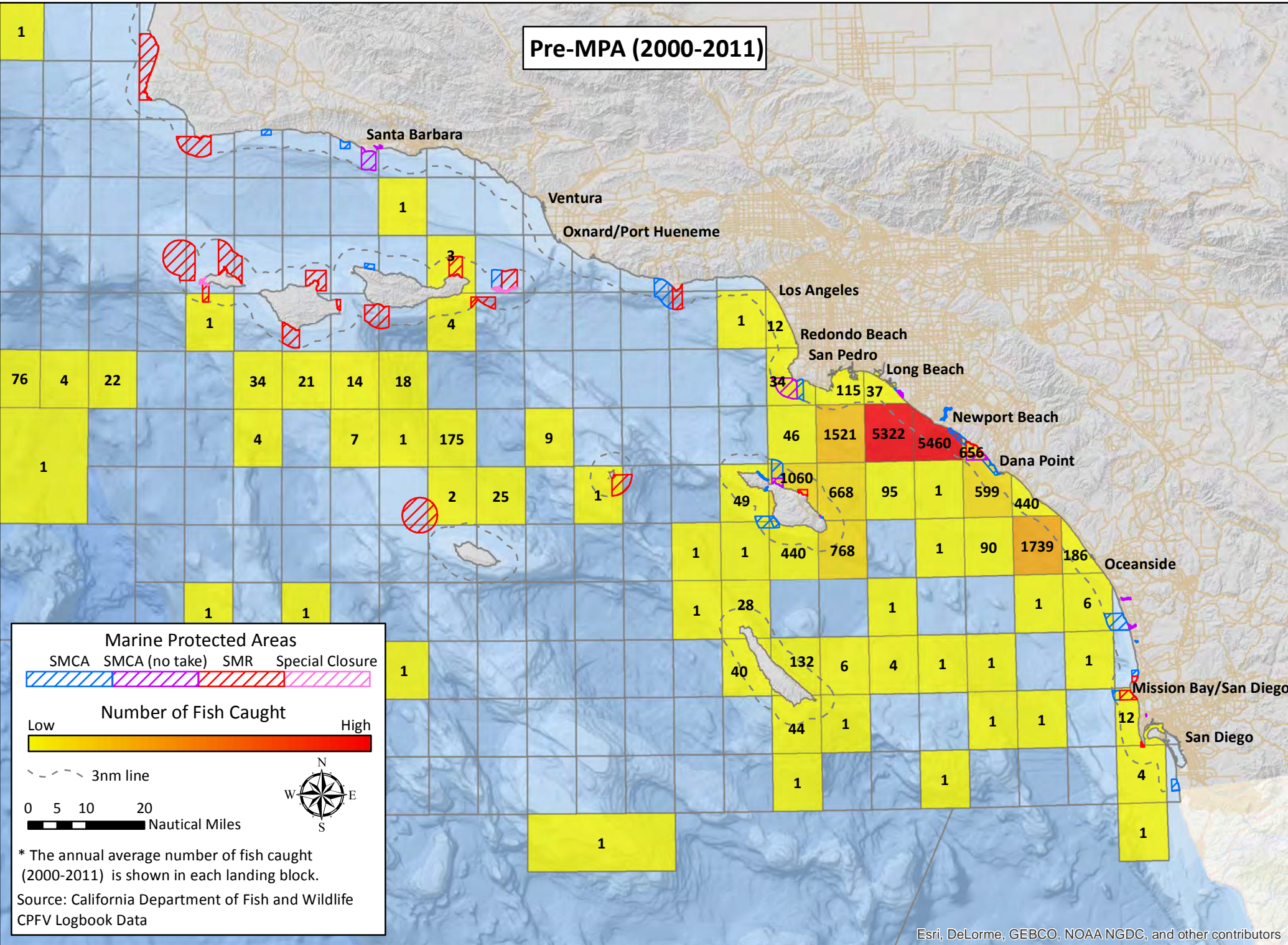
Post-MPA (2012)



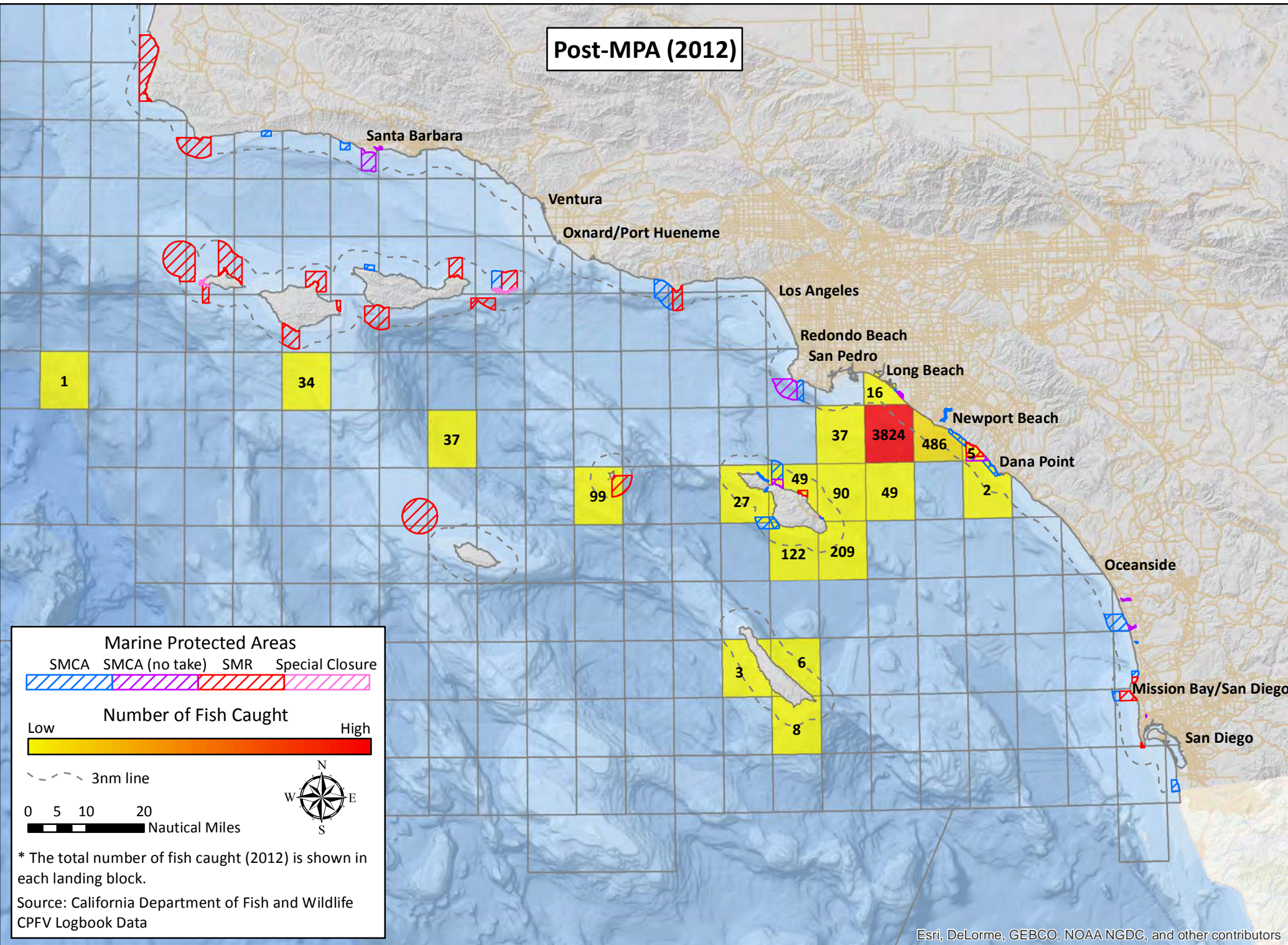
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Newport Beach – Number of Fish Caught – California barracuda

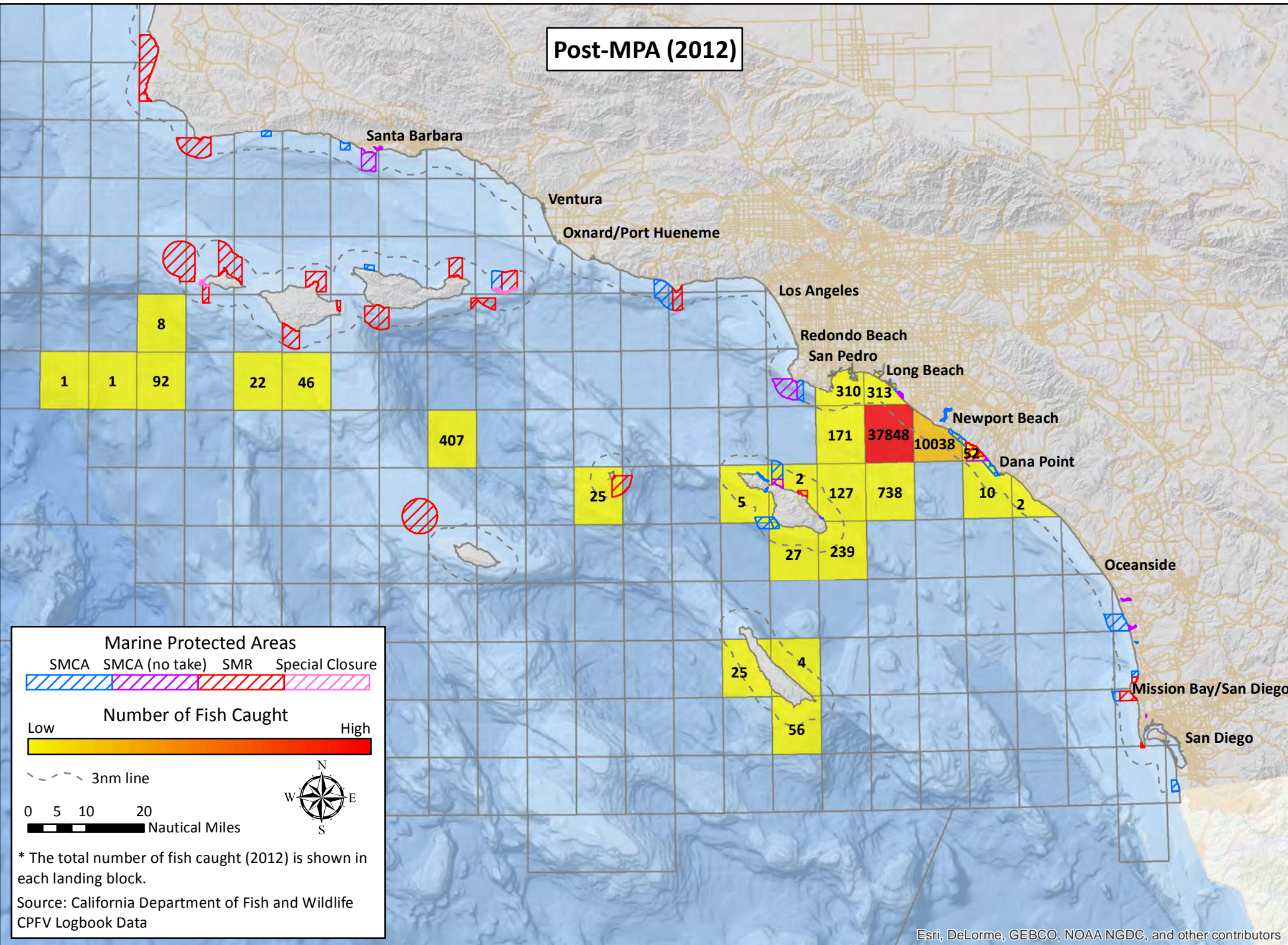
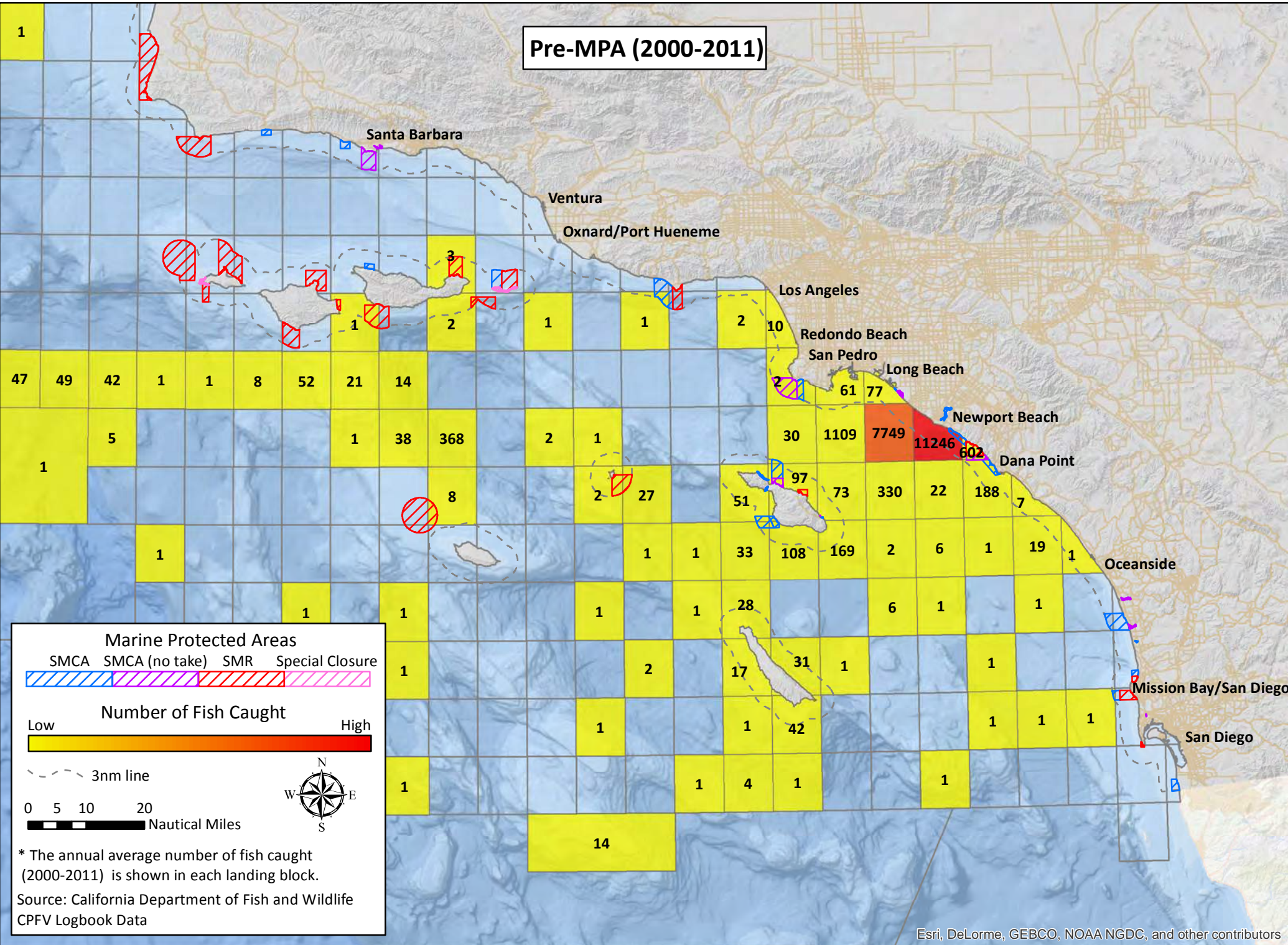
Pre-MPA (2000-2011)



Post-MPA (2012)



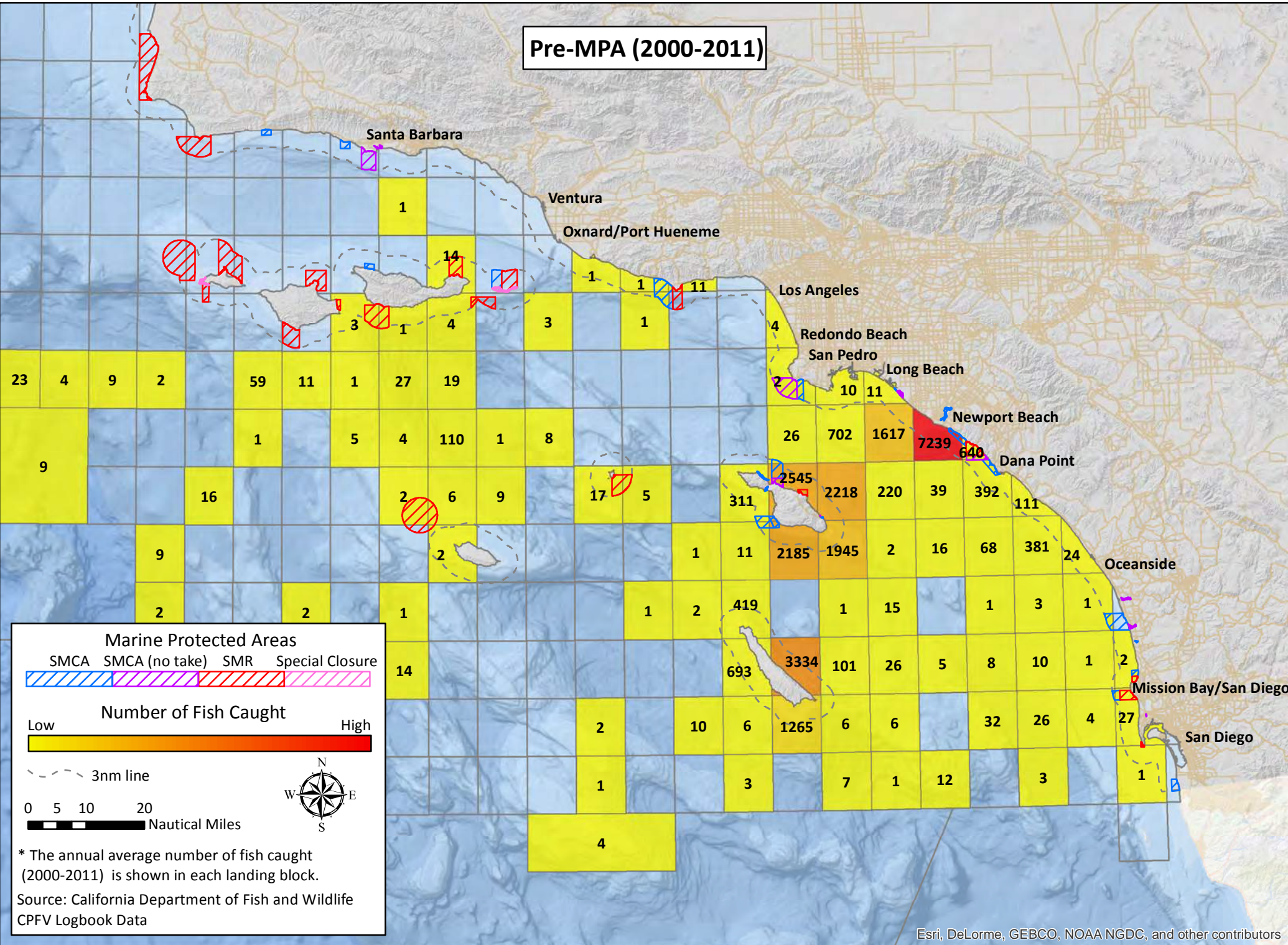
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks Newport Beach – Number of Fish Caught – California scorpionfish



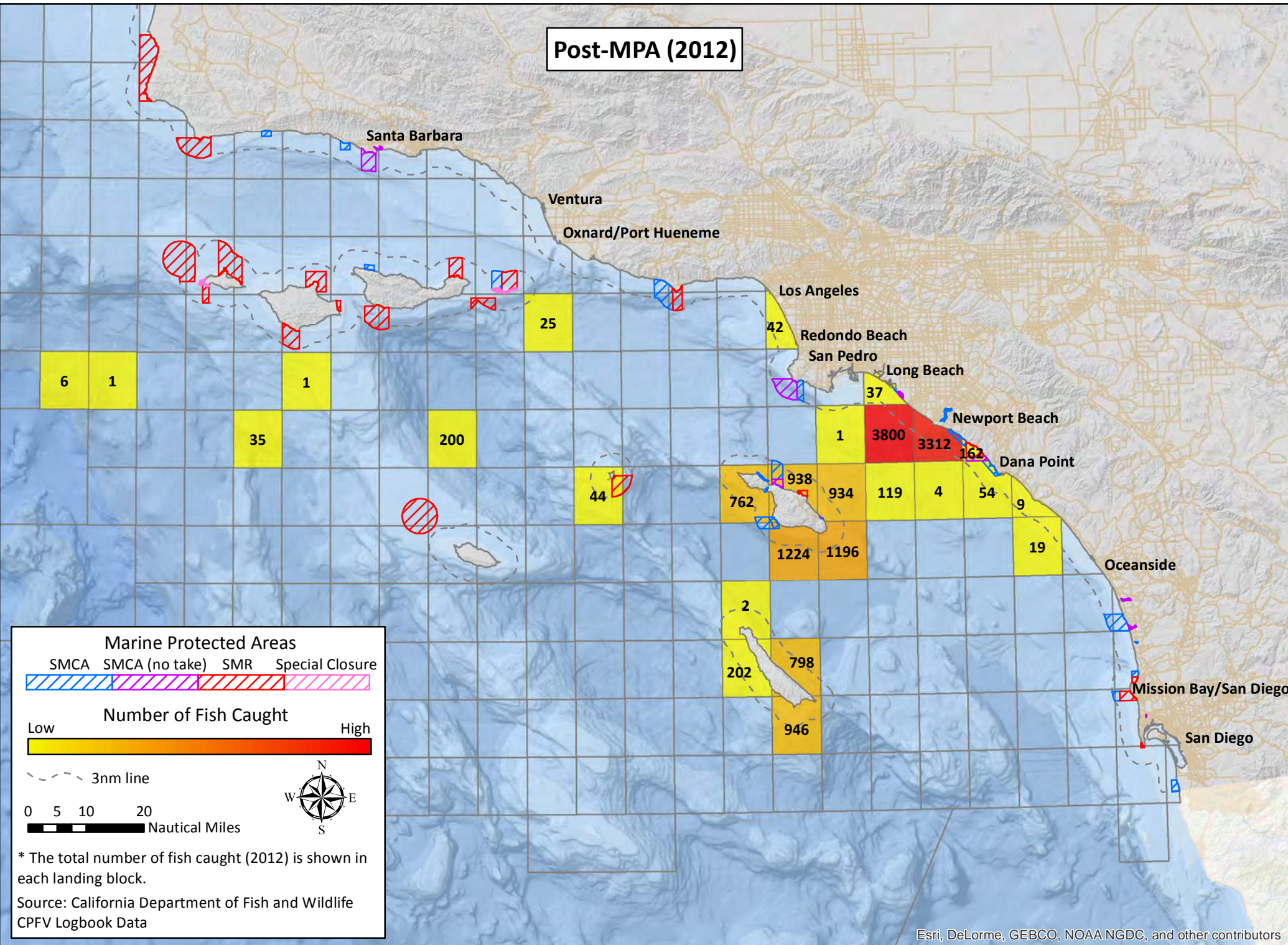
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Newport Beach – Number of Fish Caught – Kelp bass

Pre-MPA (2000-2011)



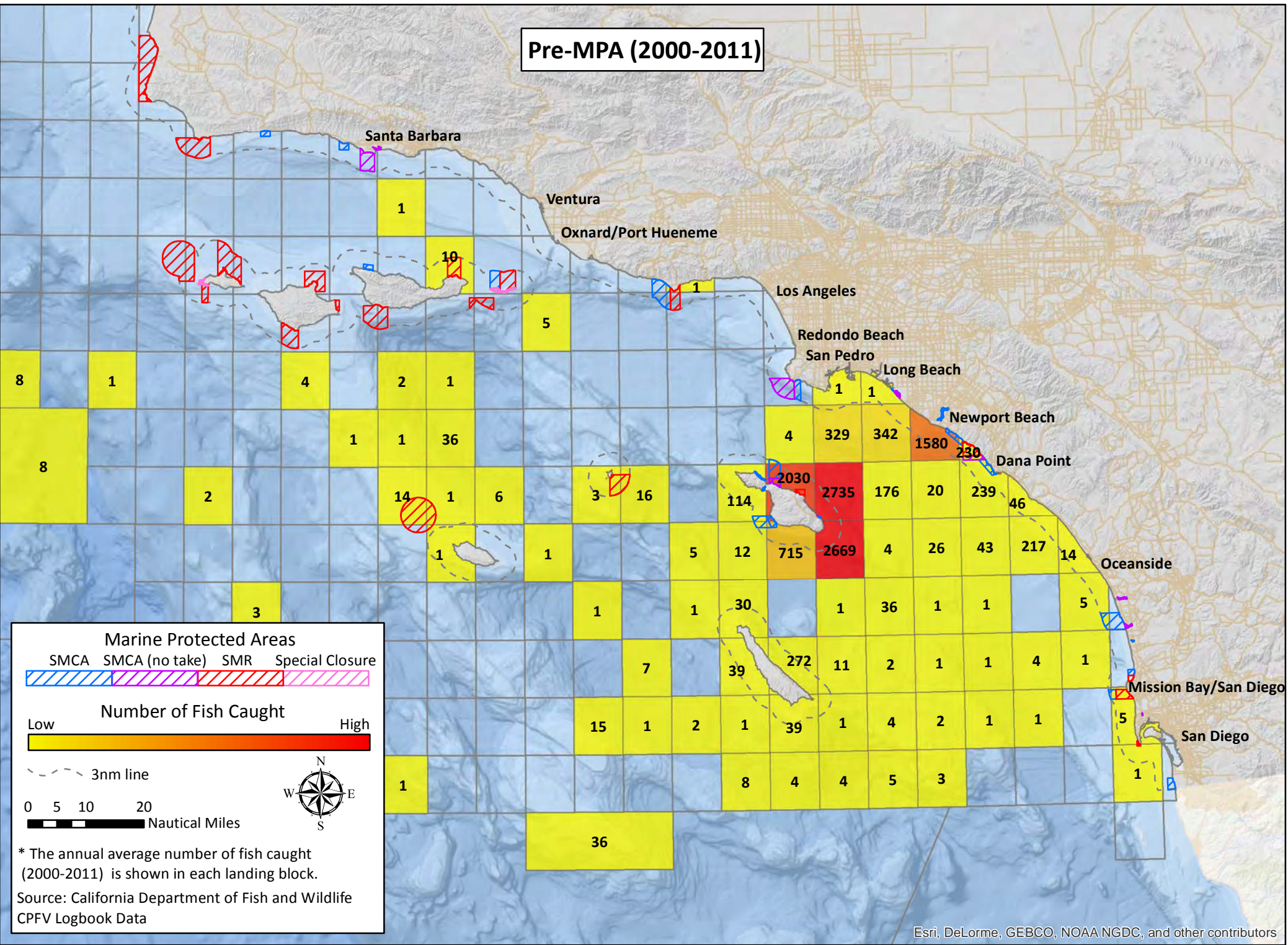
Post-MPA (2012)



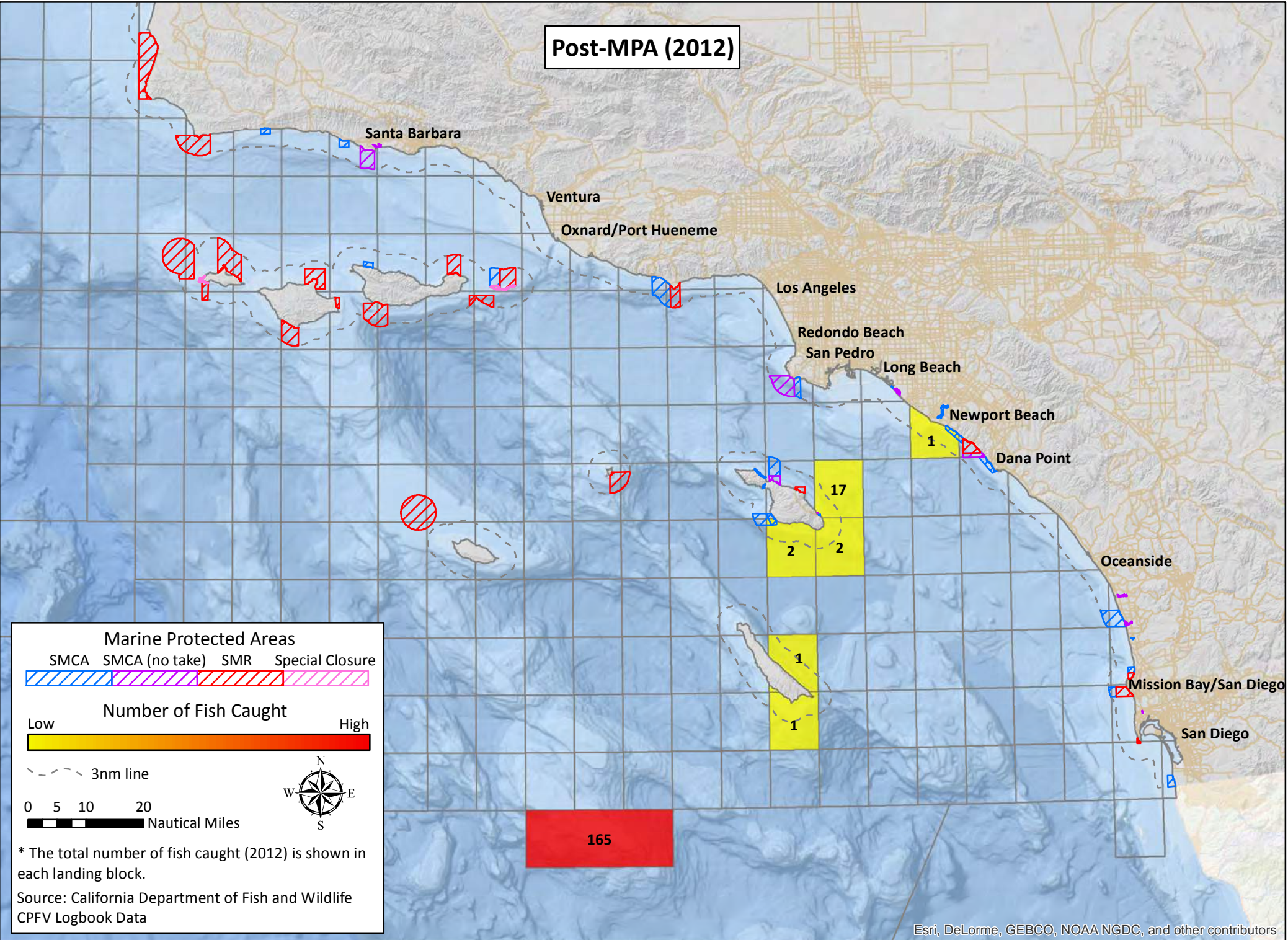
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Newport Beach – Number of Fish Caught – Pacific bonito

**Pre-MPA (2000-2011)**



**Post-MPA (2012)**

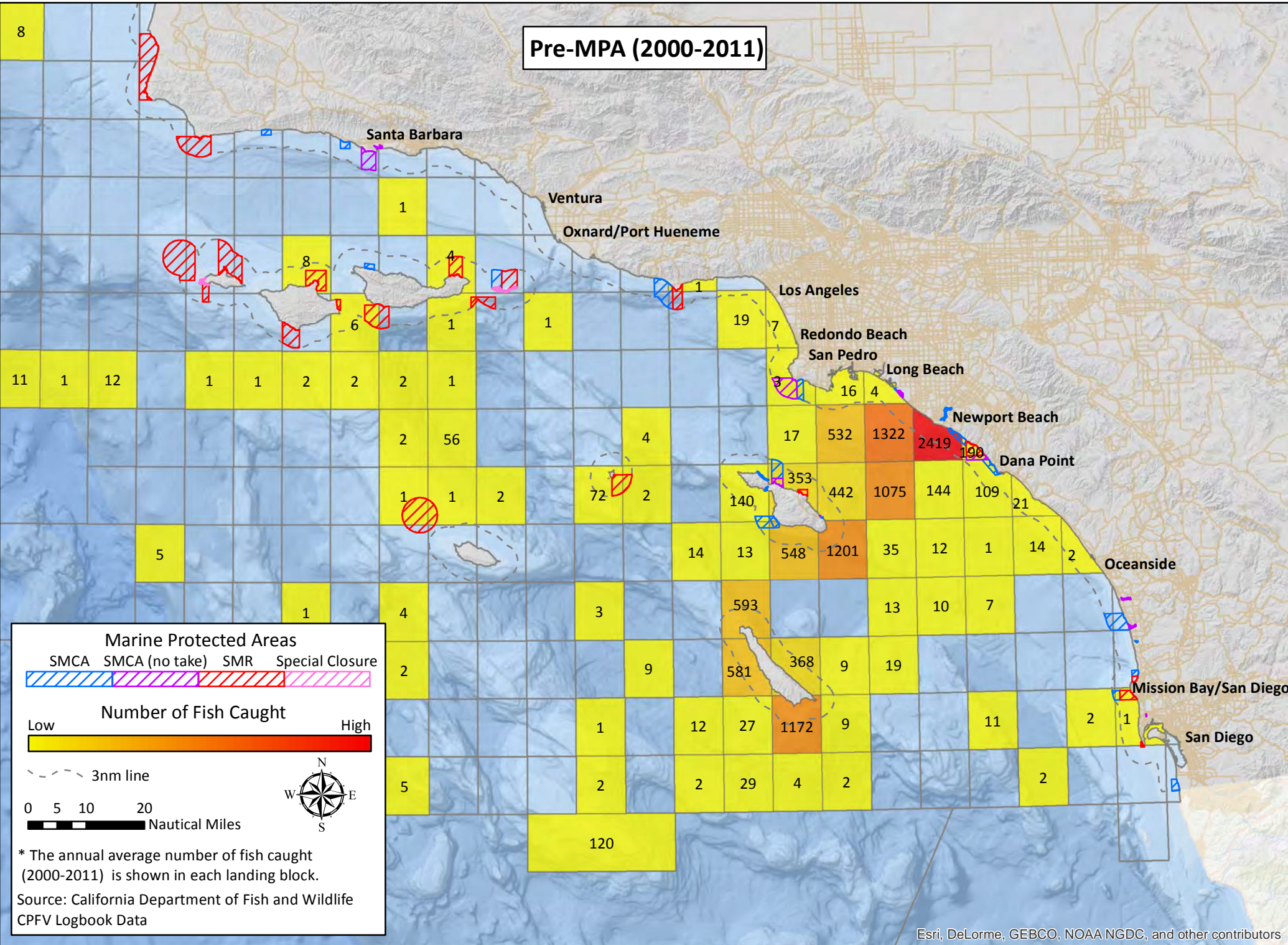


Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

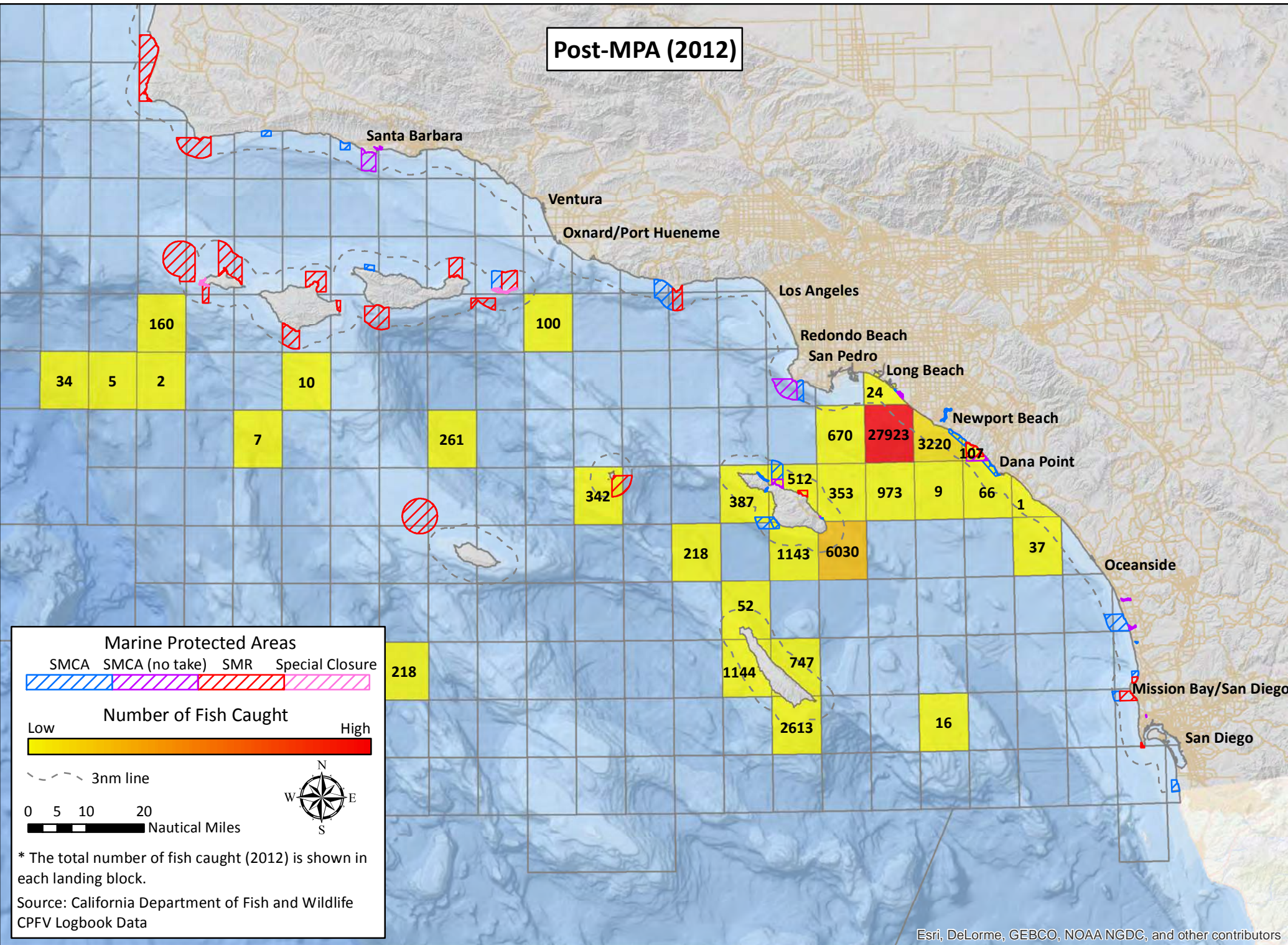
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Newport Beach – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)



Post-MPA (2012)



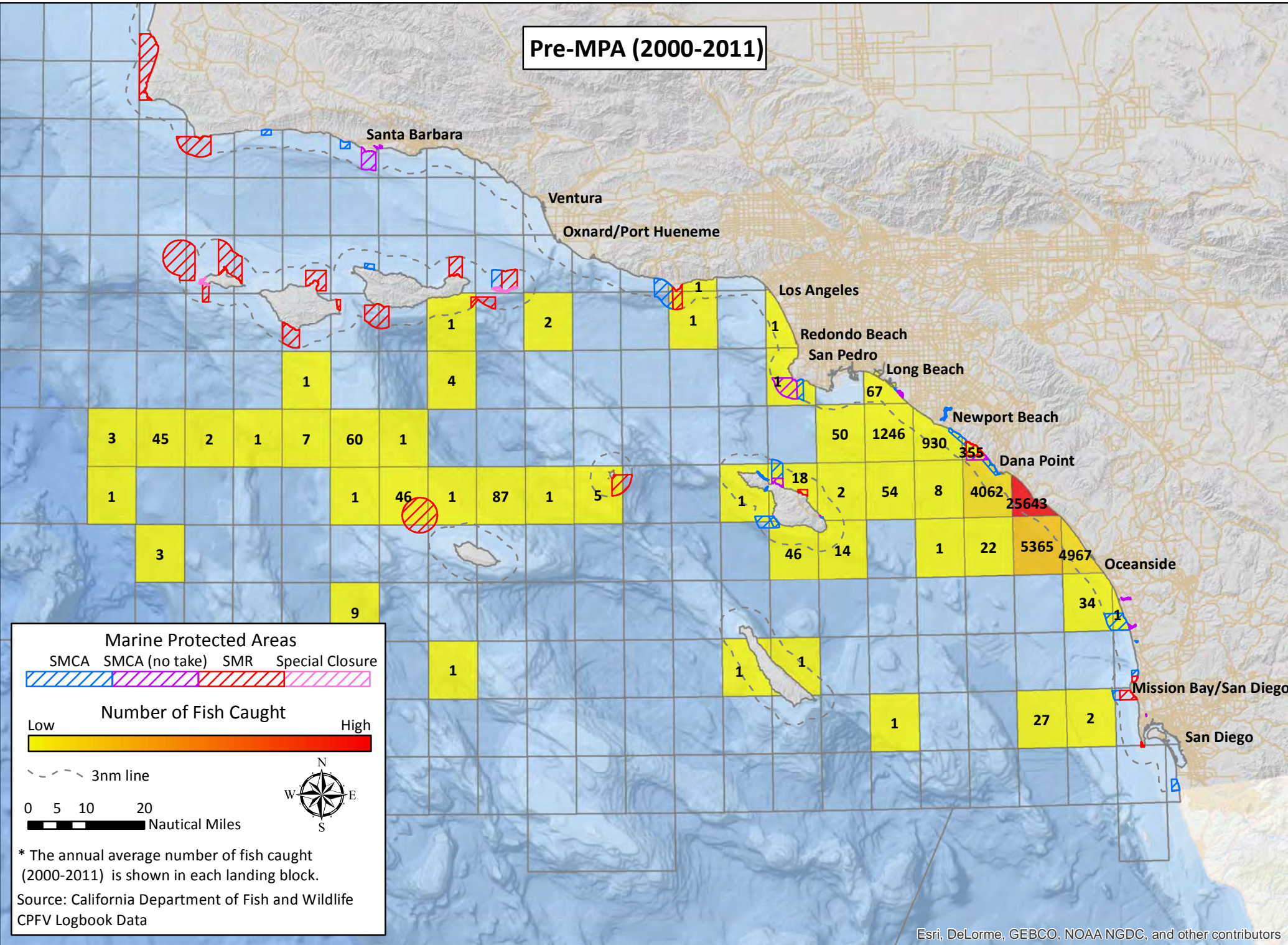




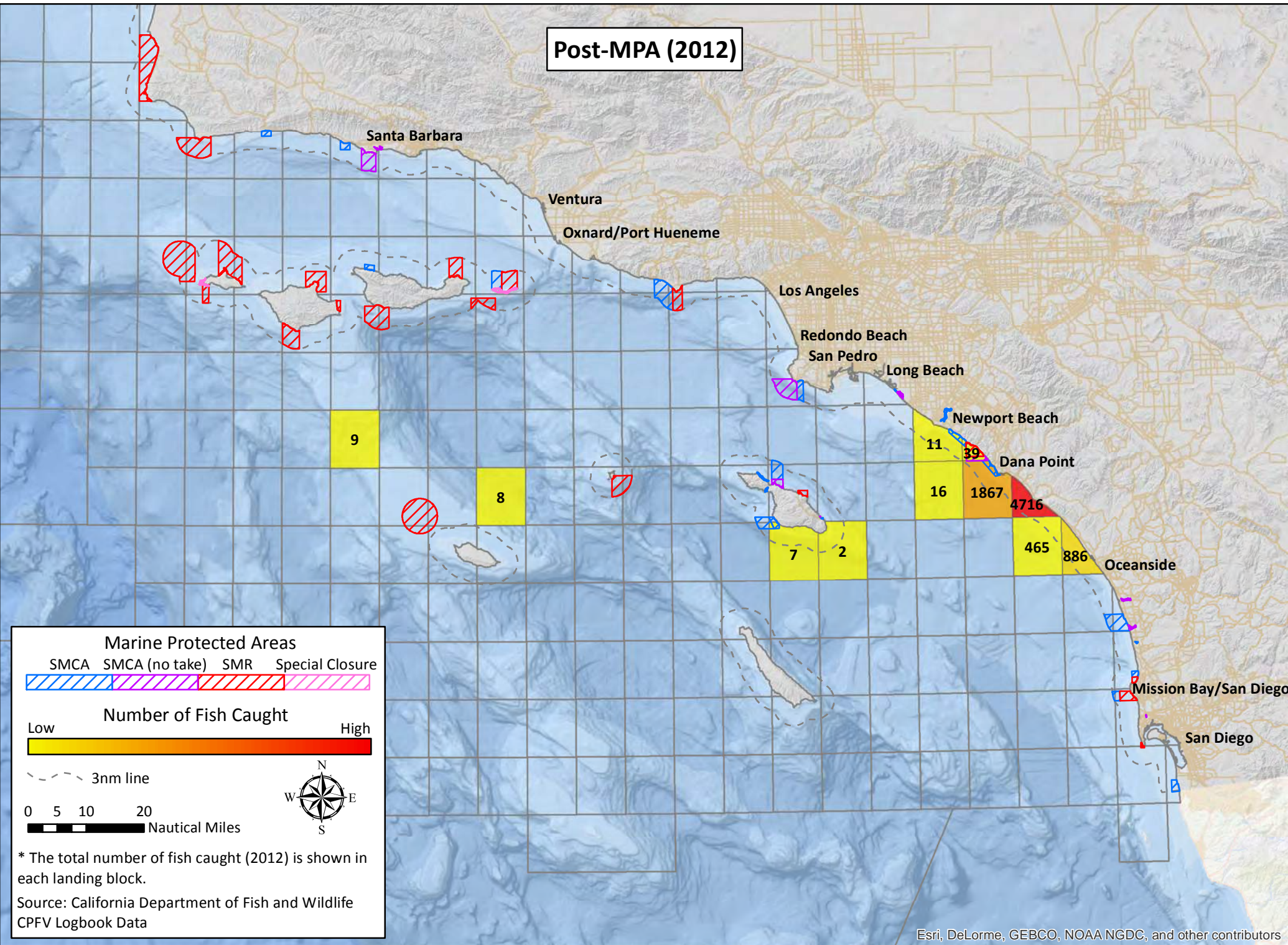
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Dana Point – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)



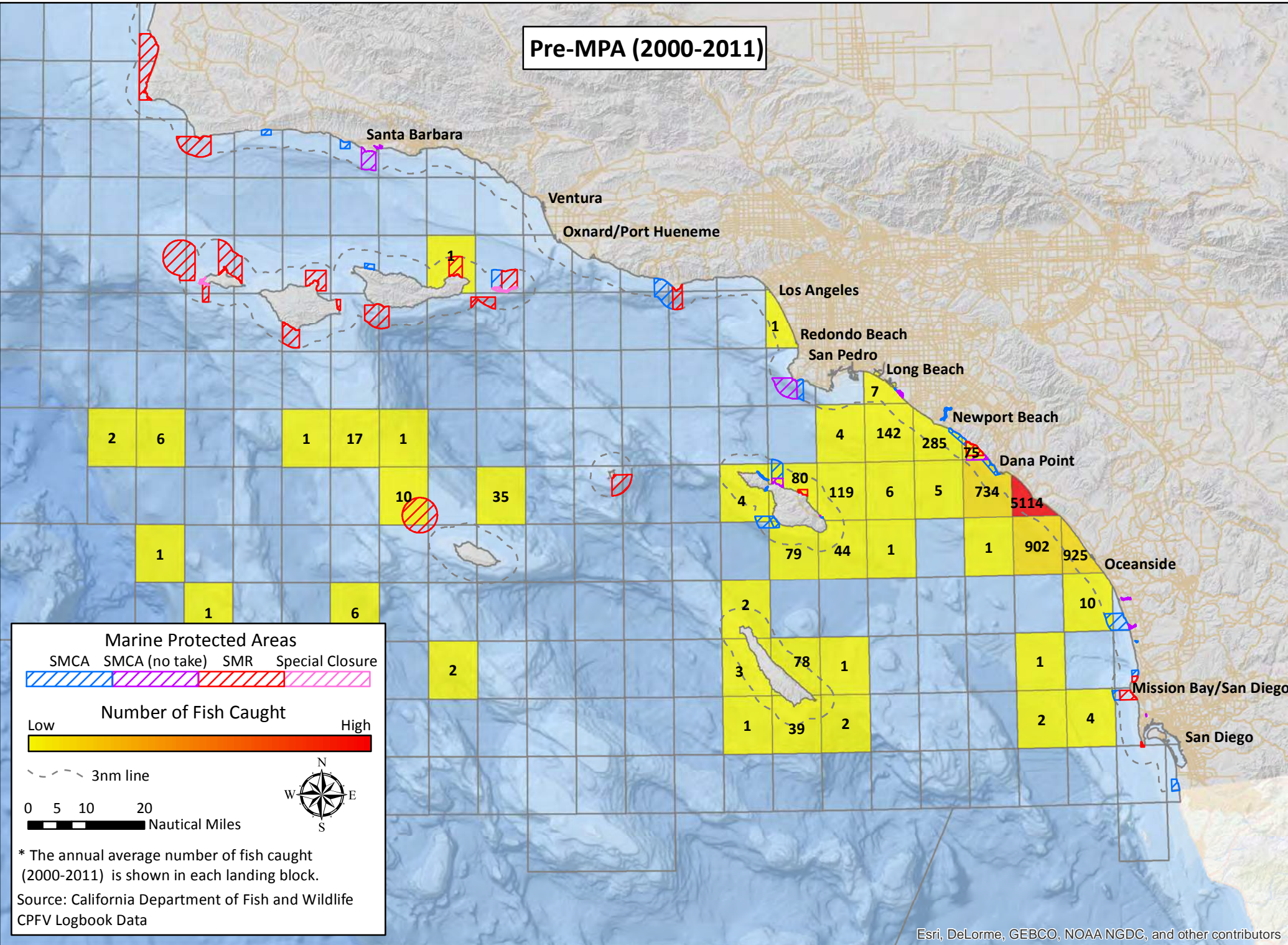
Post-MPA (2012)



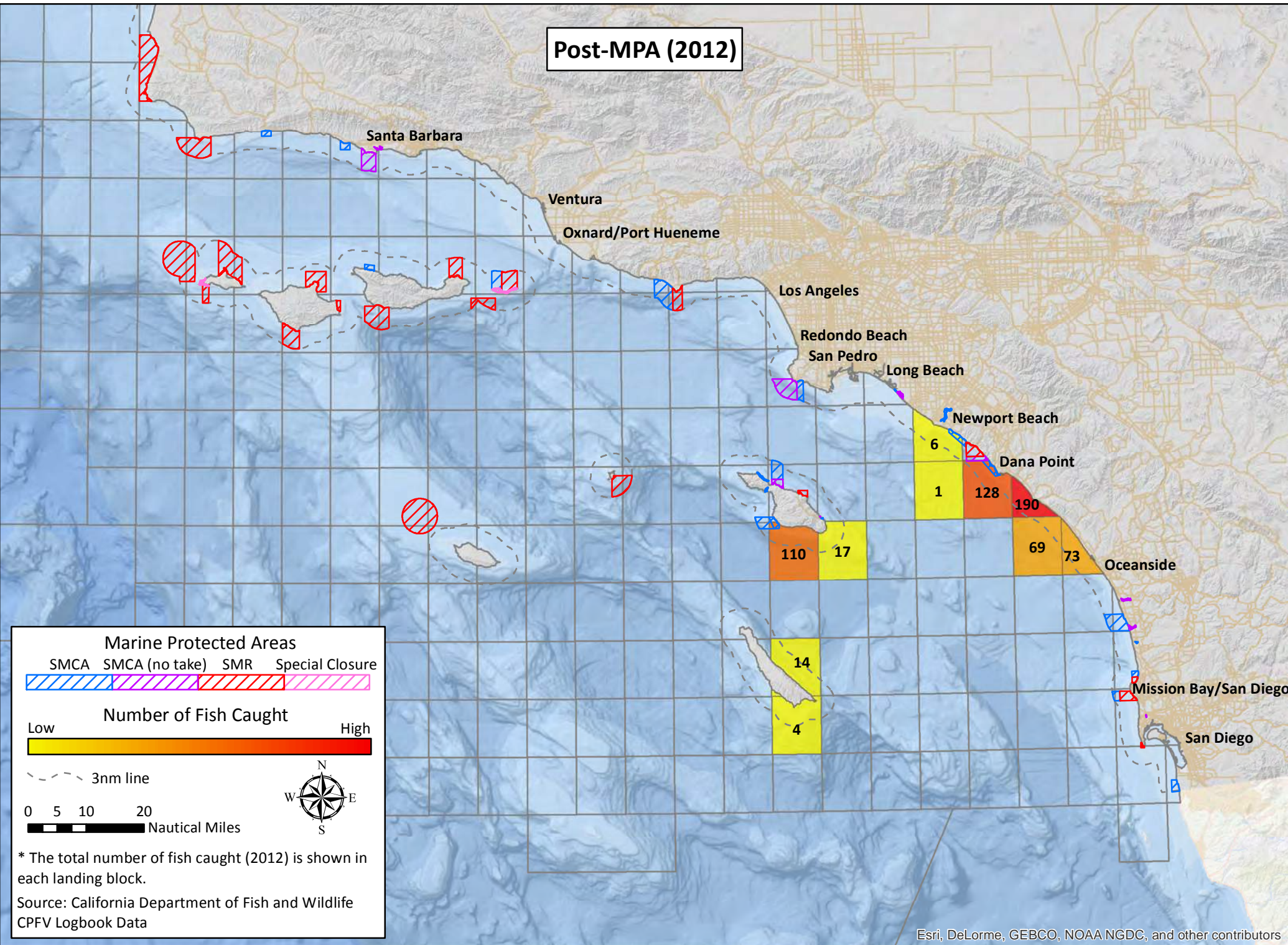
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Dana Point – Number of Fish Caught – California barracuda

Pre-MPA (2000-2011)



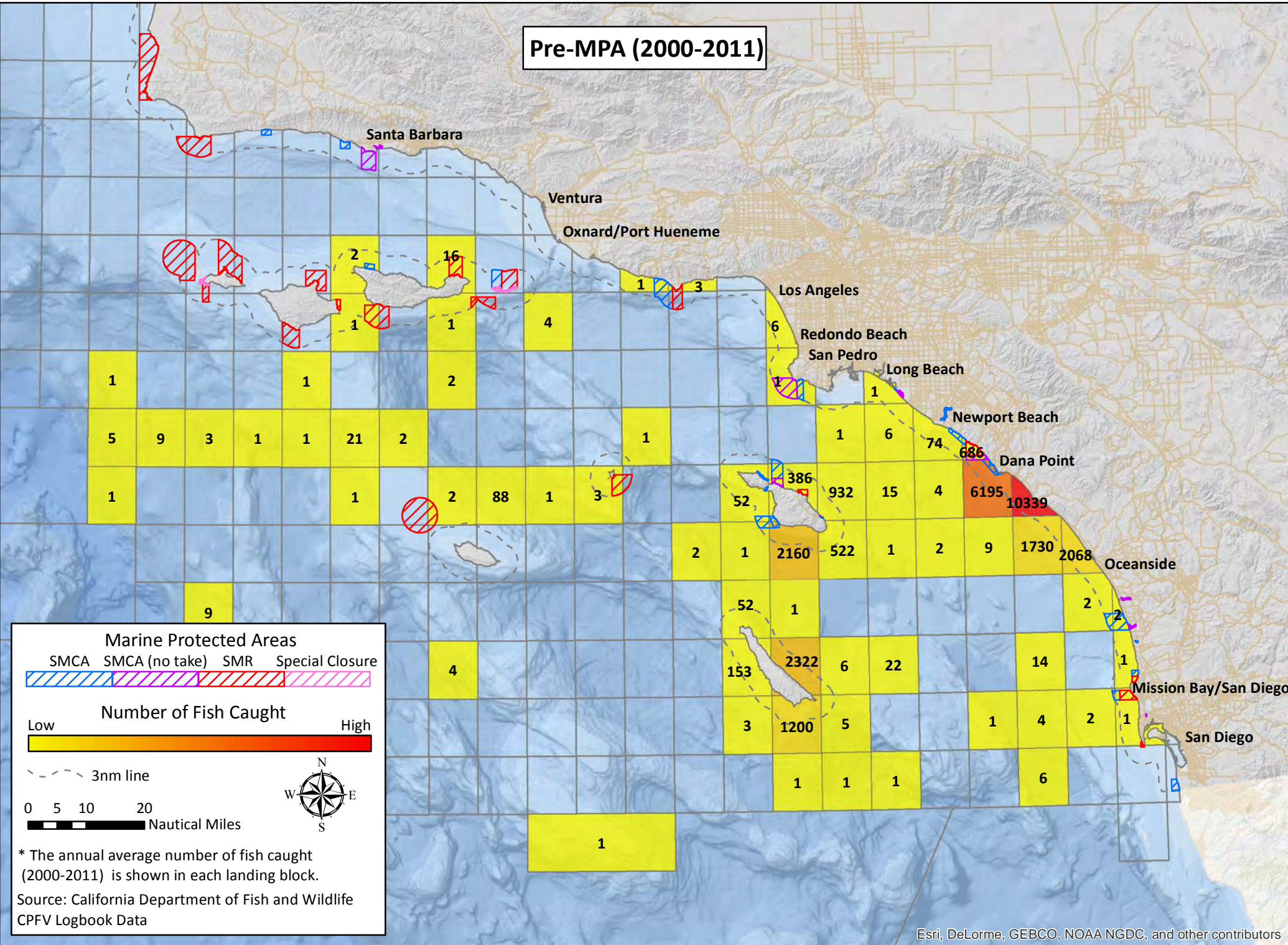
Post-MPA (2012)



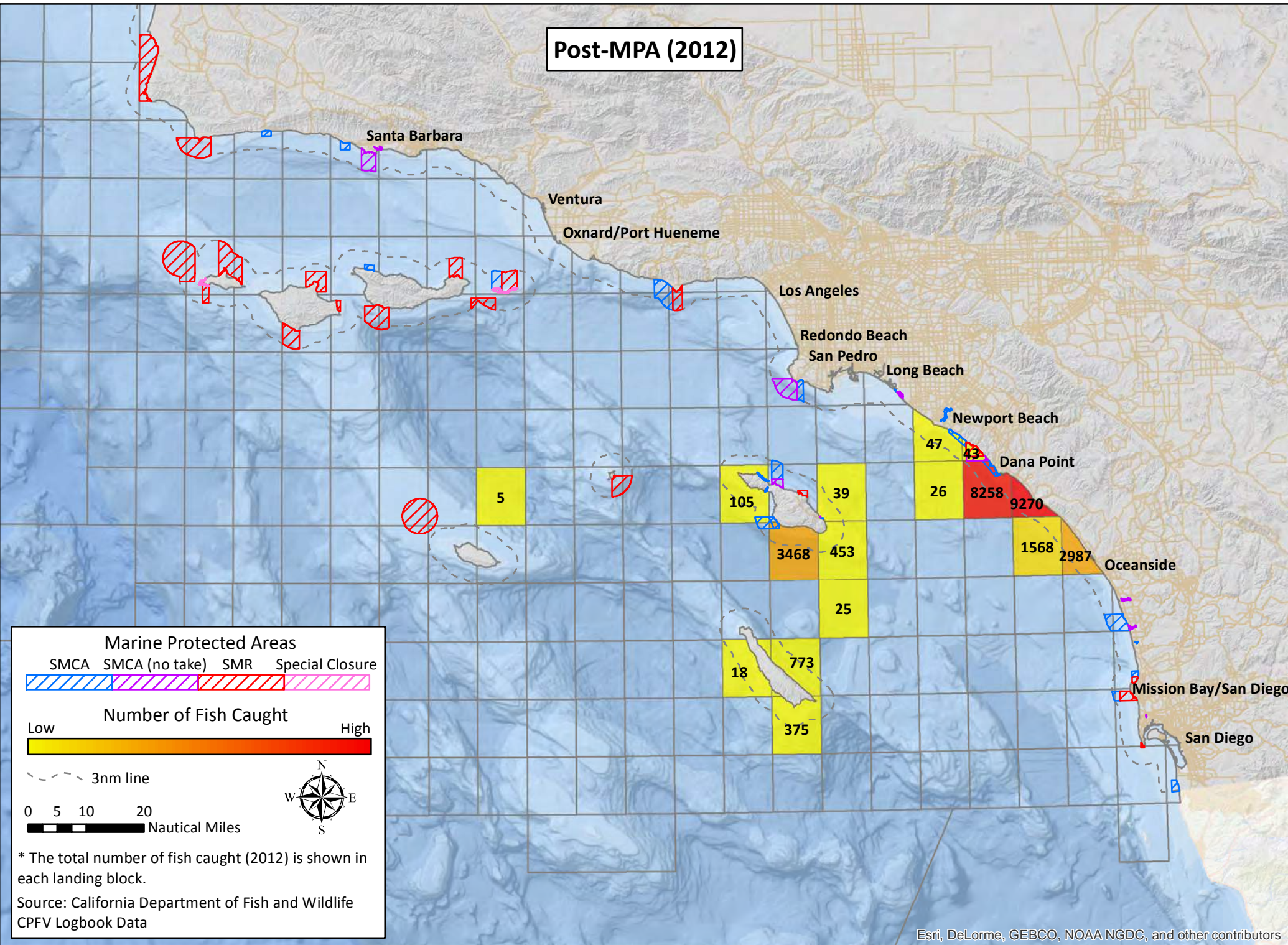
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Dana Point – Number of Fish Caught – Kelp bass

Pre-MPA (2000-2011)



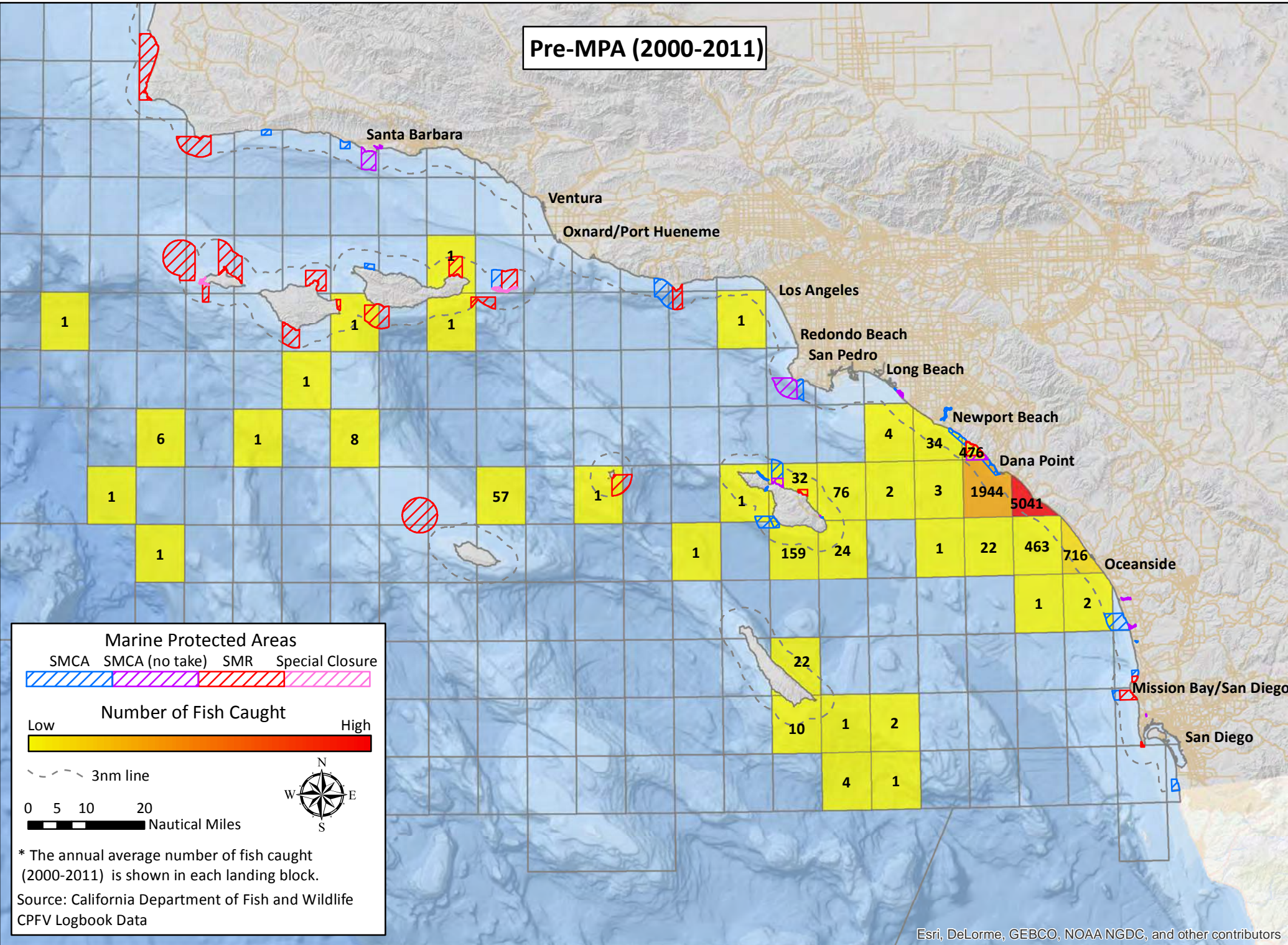
Post-MPA (2012)



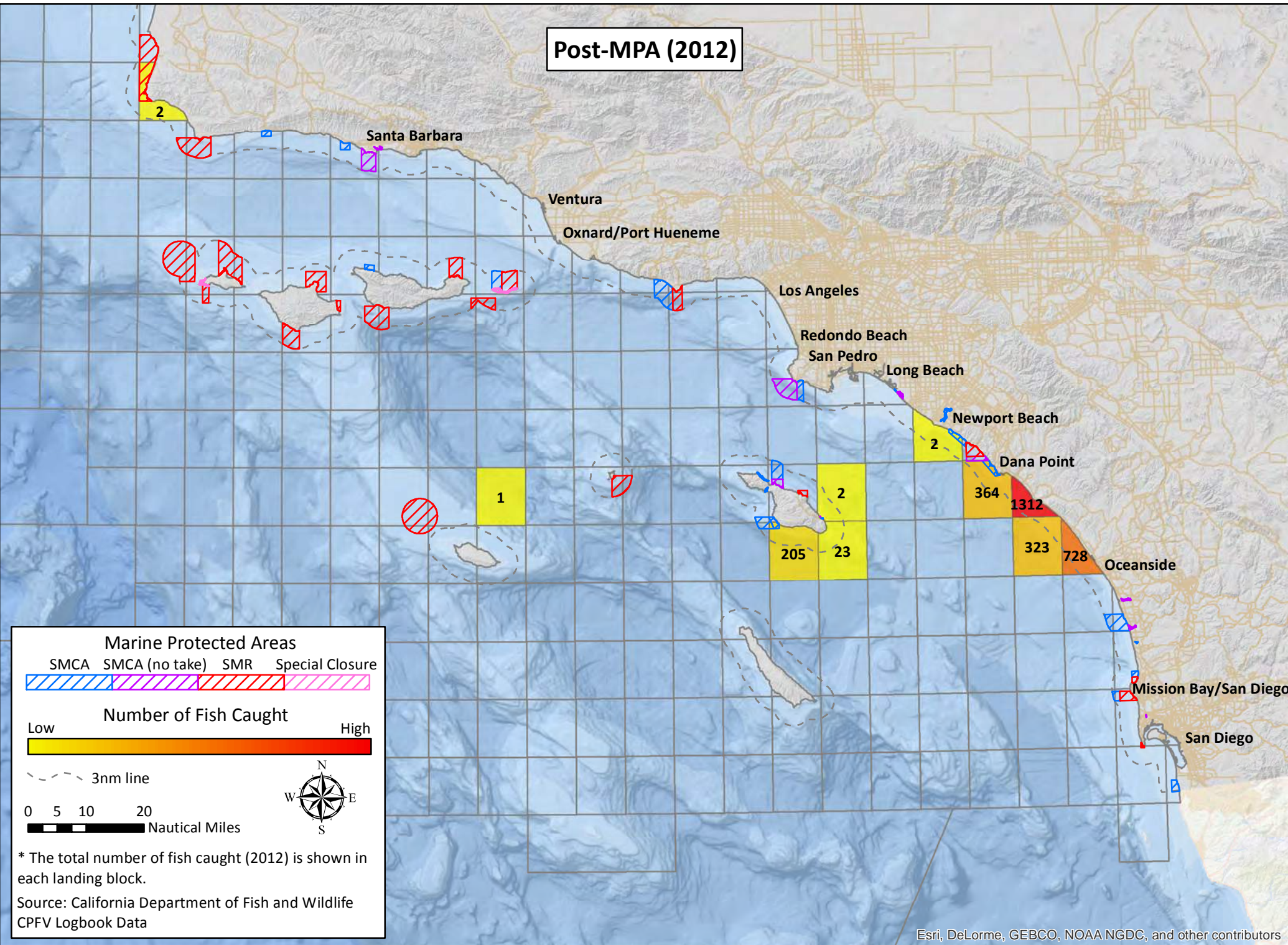
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Dana Point – Number of Fish Caught – Mackerel

**Pre-MPA (2000-2011)**



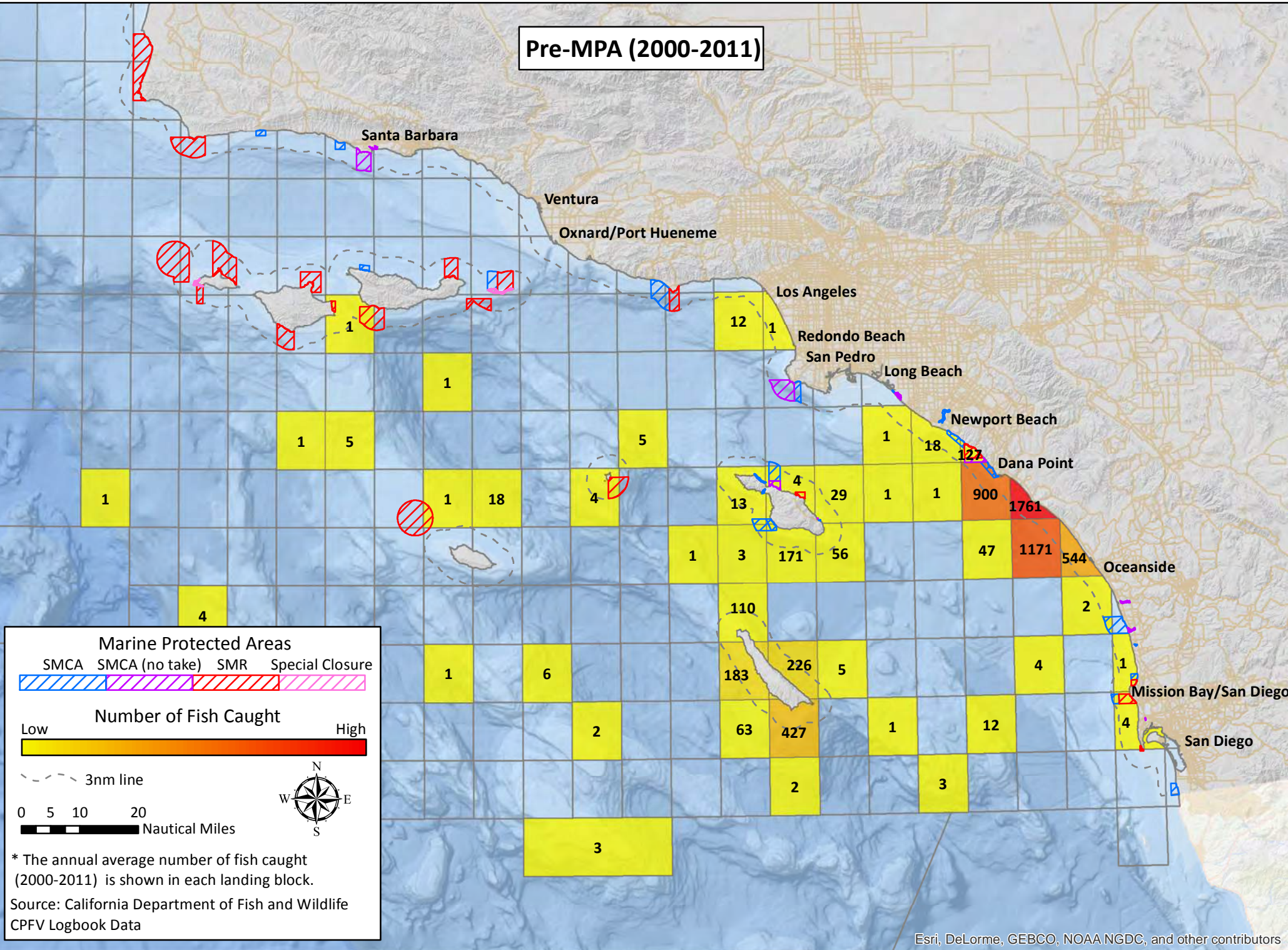
**Post-MPA (2012)**



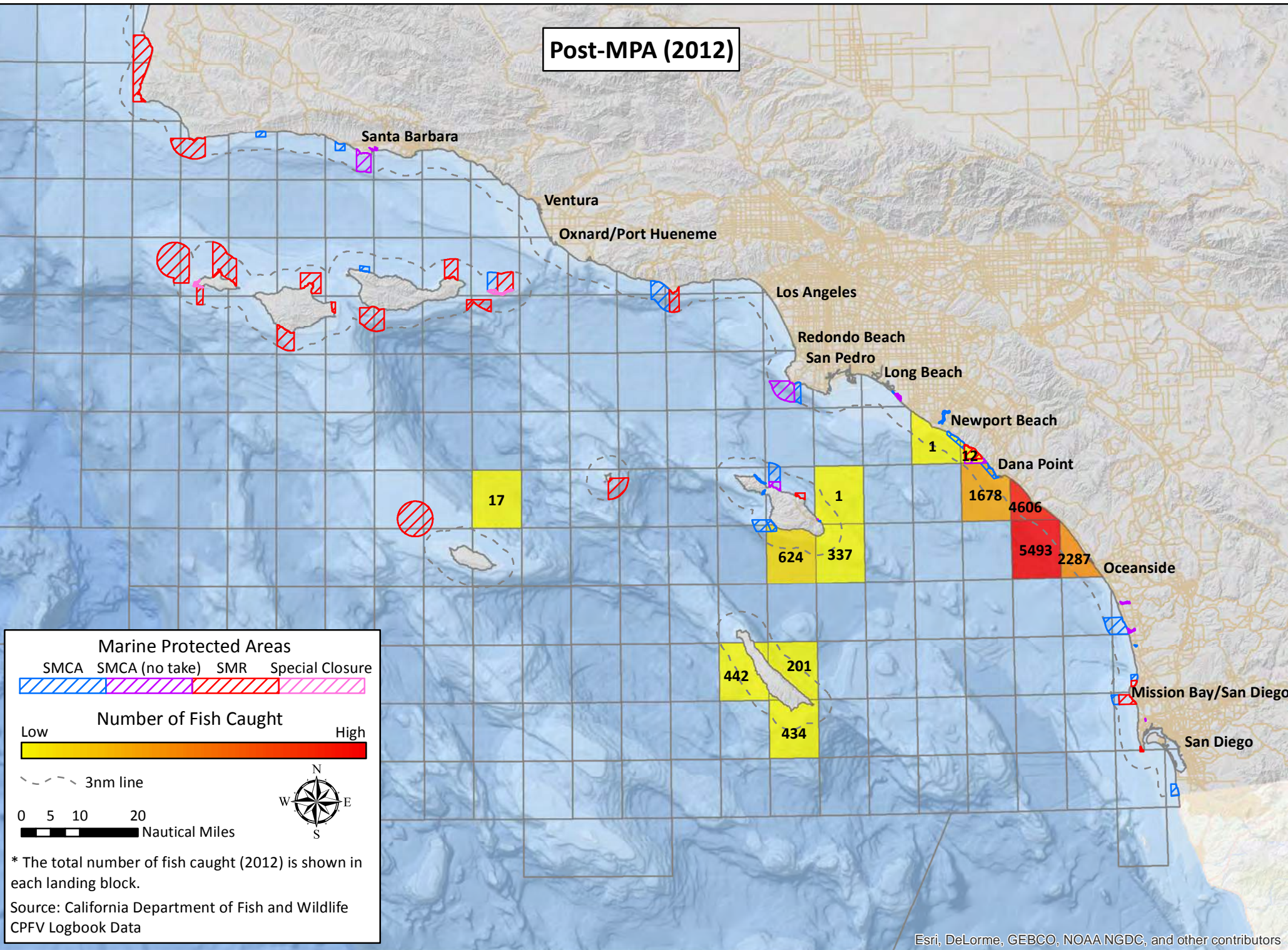
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Dana Point – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)



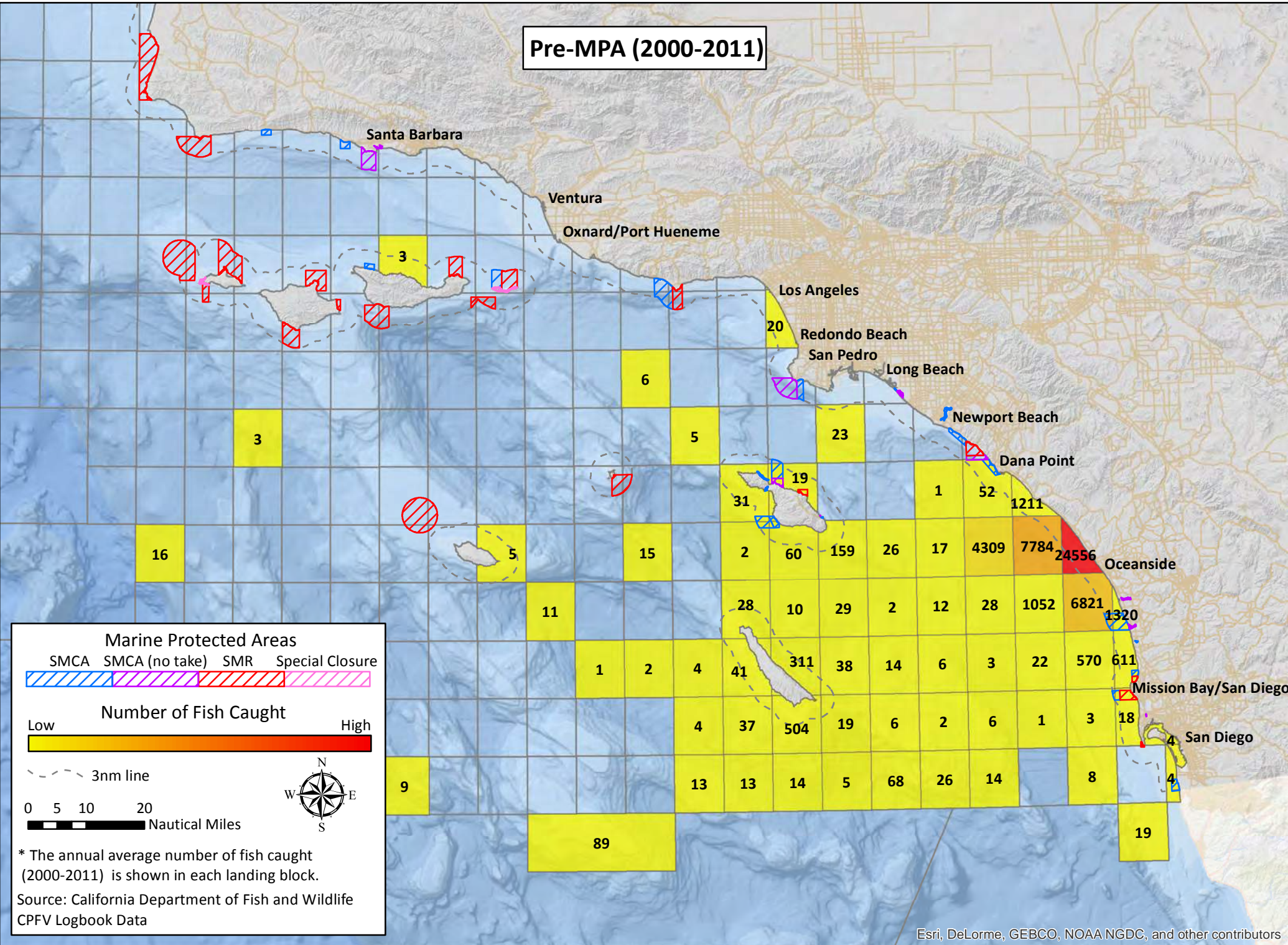
Post-MPA (2012)



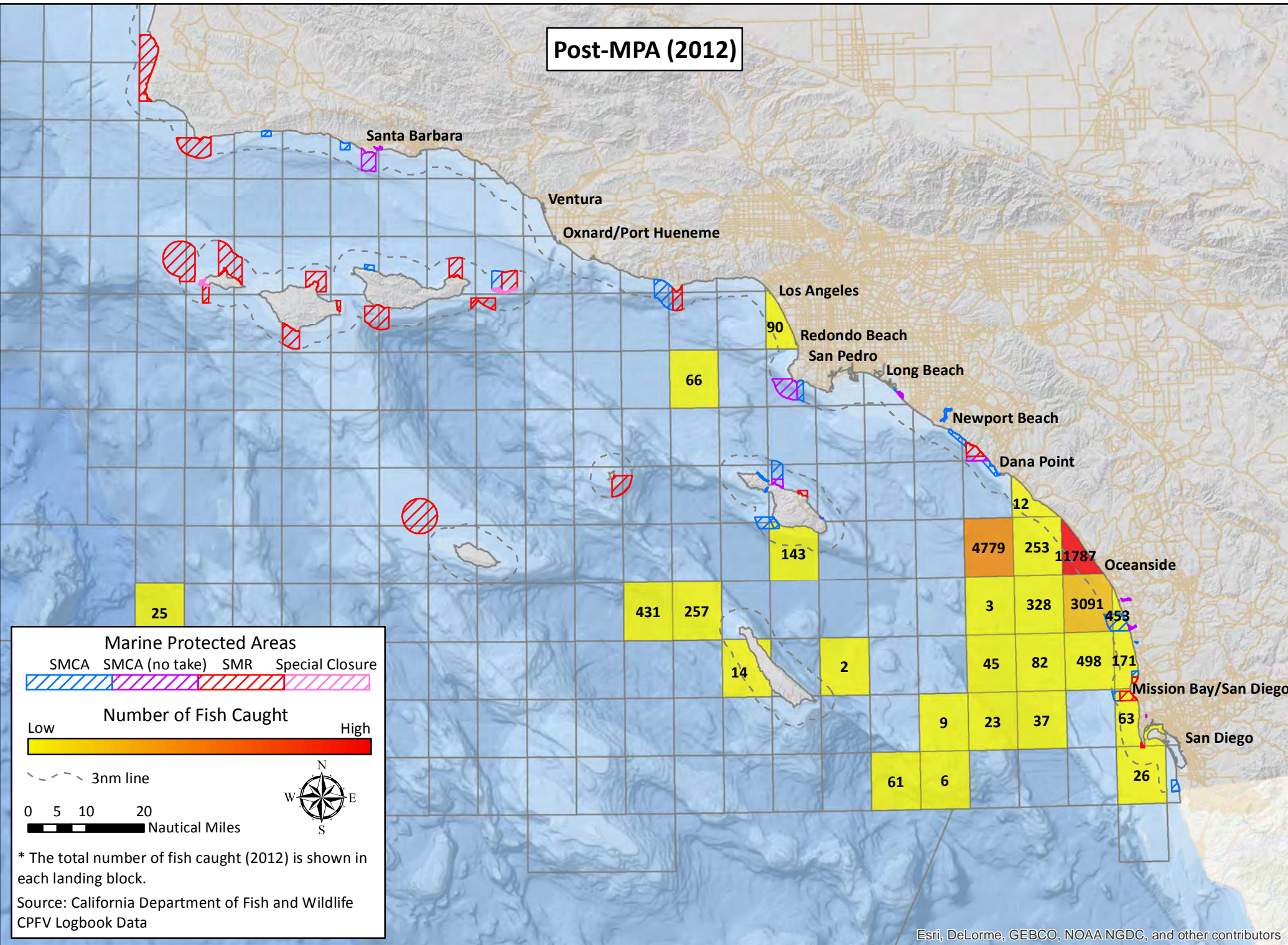
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Oceanside – Number of Fish Caught – All Fisheries

**Pre-MPA (2000-2011)**



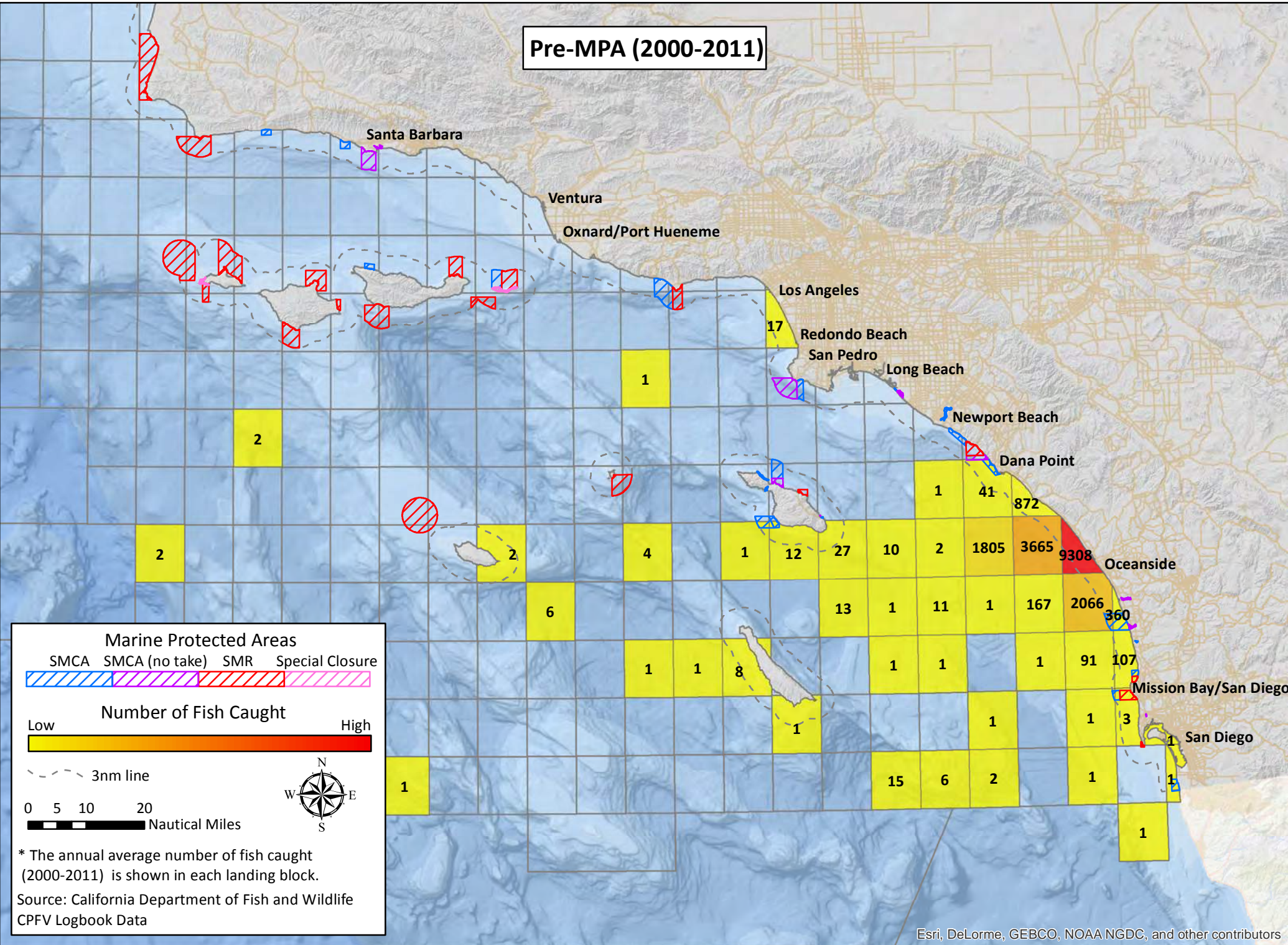
**Post-MPA (2012)**



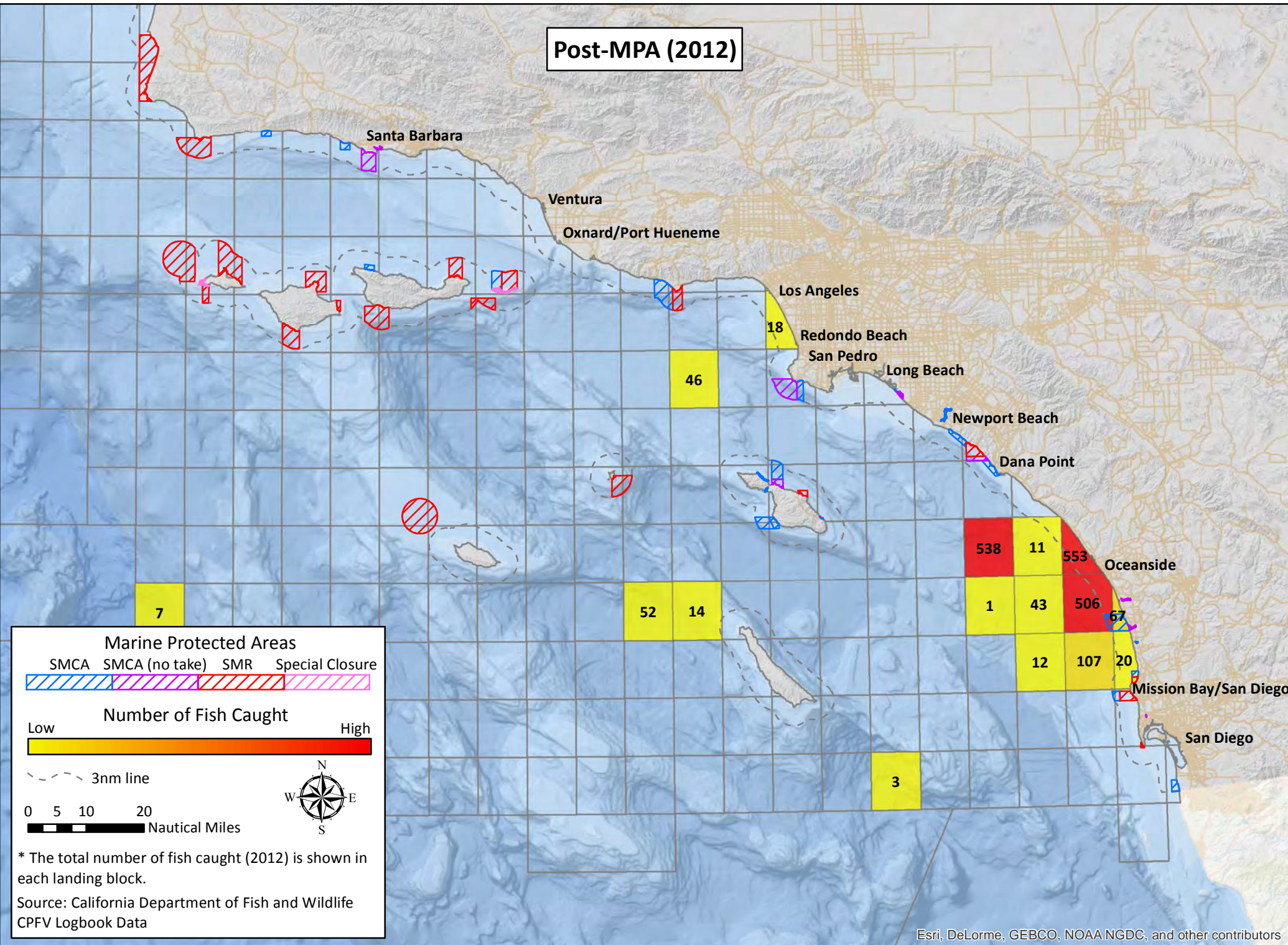
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Oceanside – Number of Fish Caught – Barred sand bass

**Pre-MPA (2000-2011)**



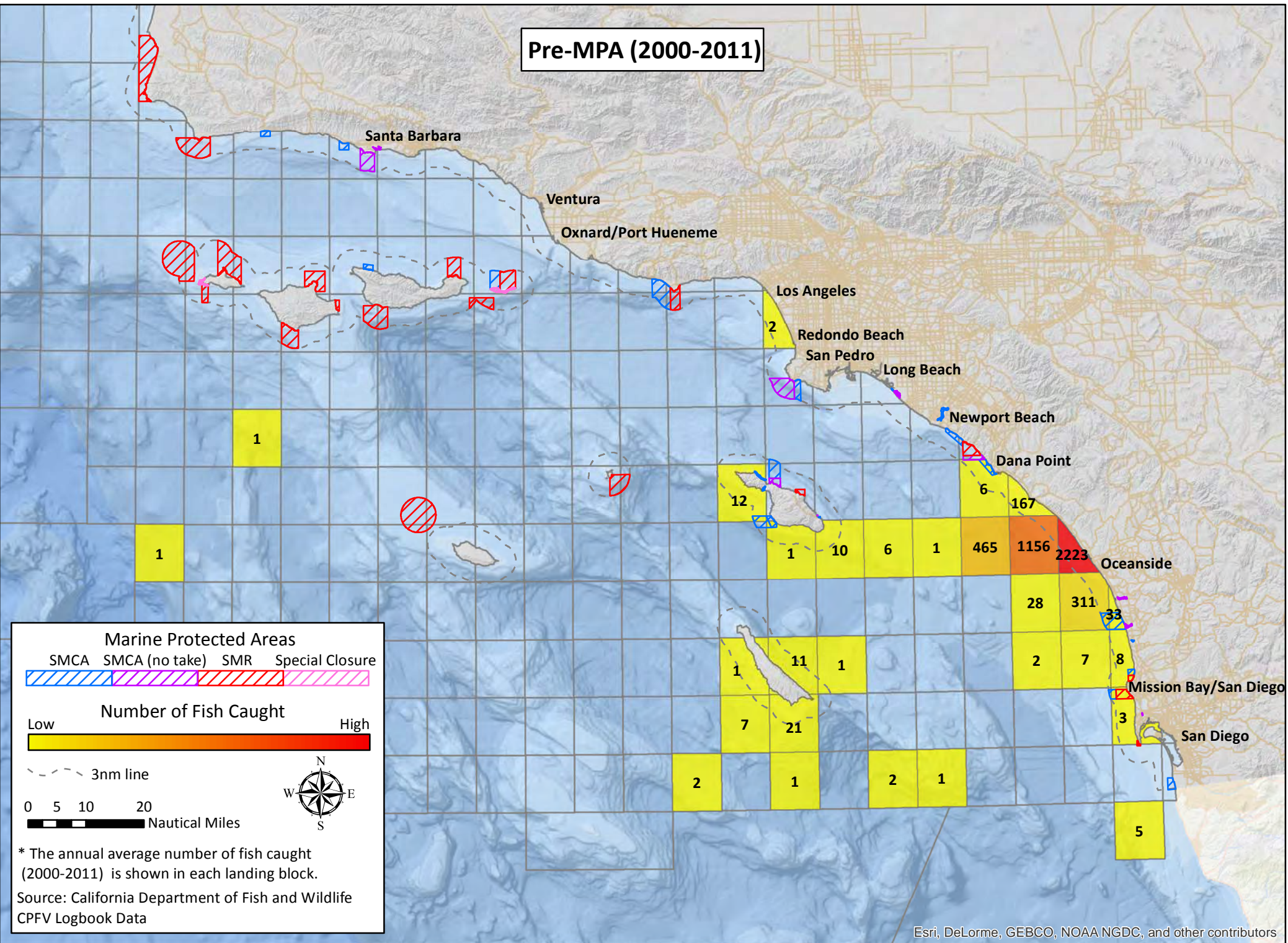
**Post-MPA (2012)**



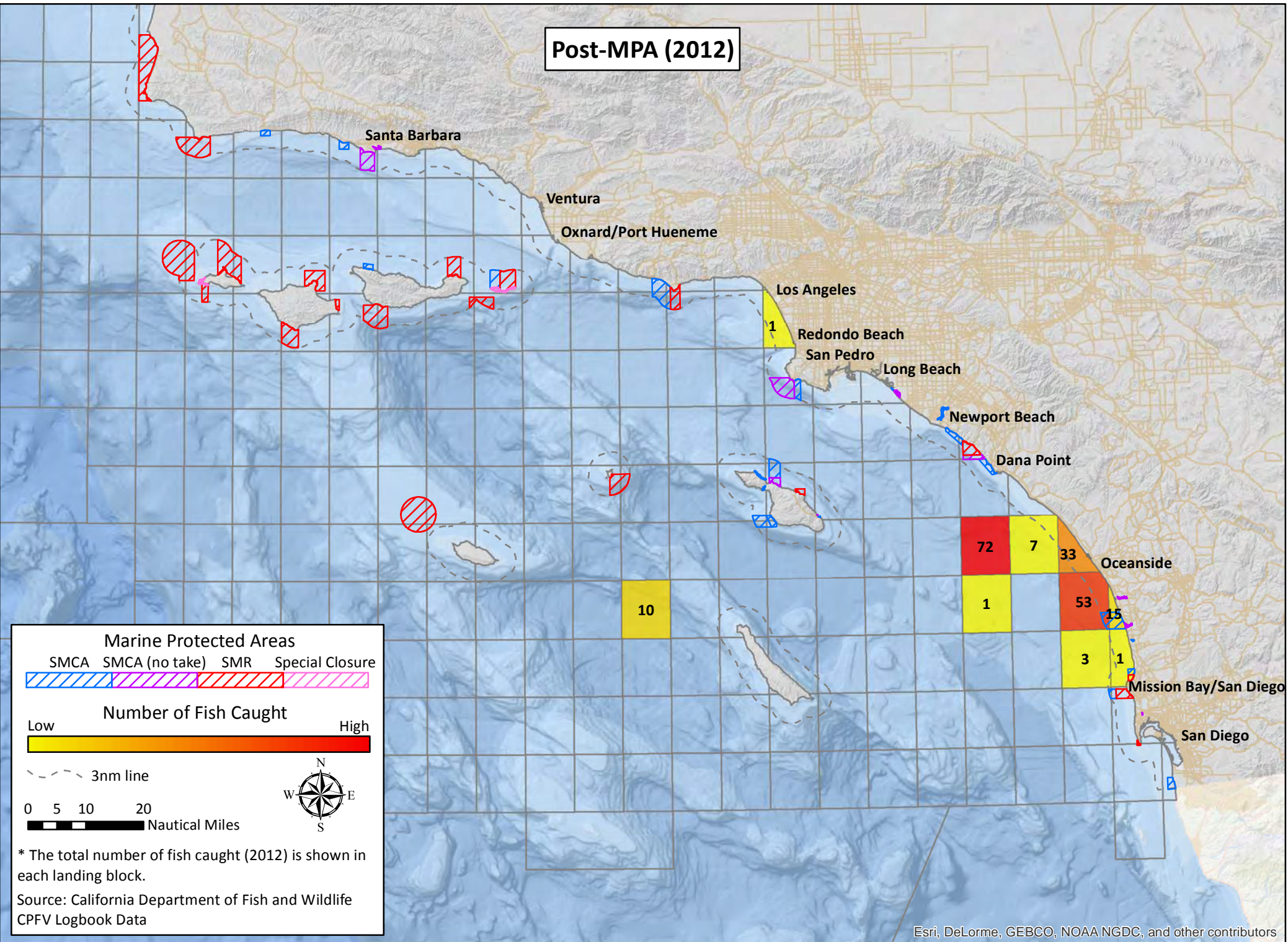
# California South Coast Commercial Passenger Fishing Vessel Landing Blocks

## Oceanside – Number of Fish Caught – California barracuda

Pre-MPA (2000-2011)



Post-MPA (2012)



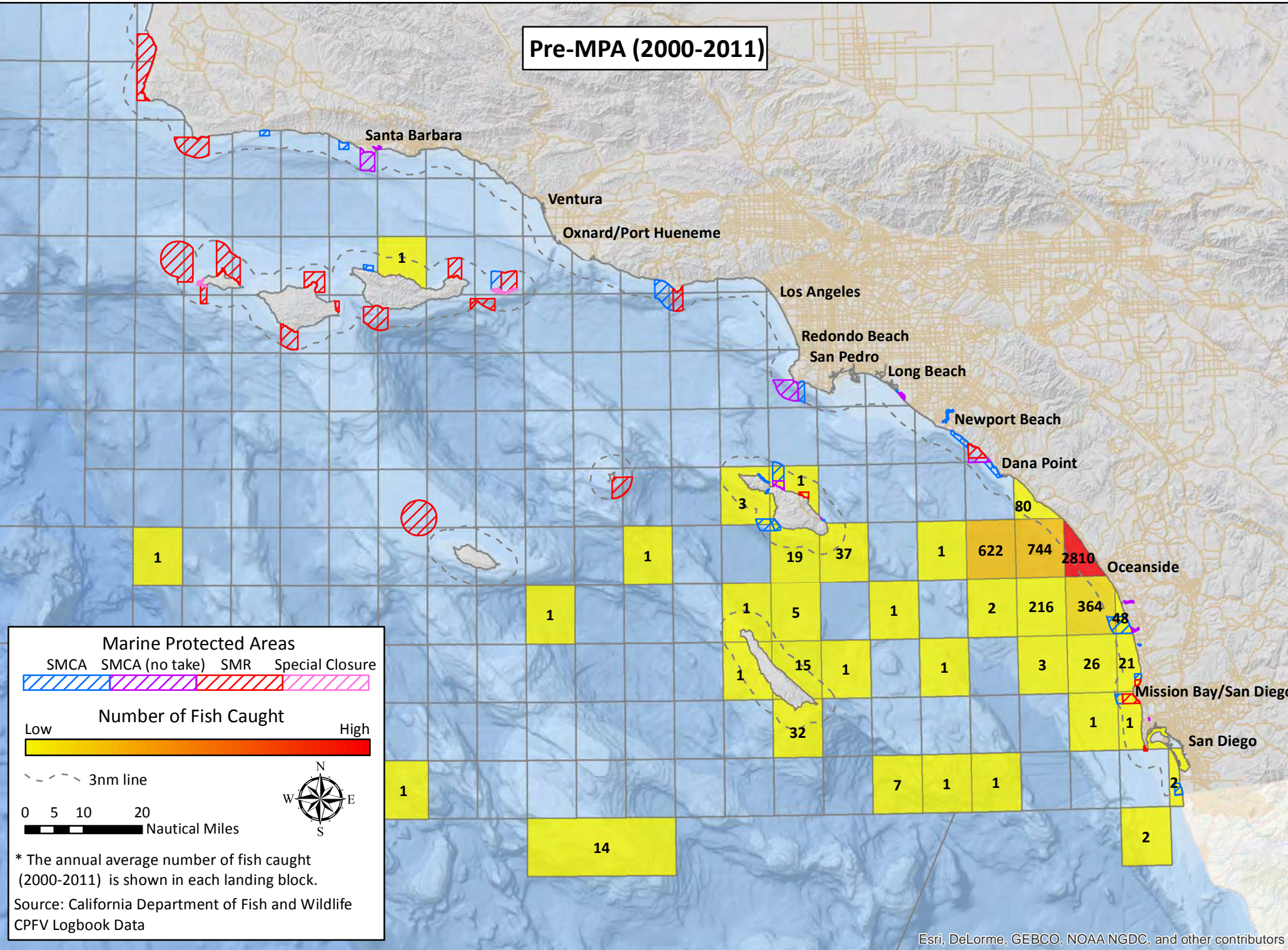
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

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

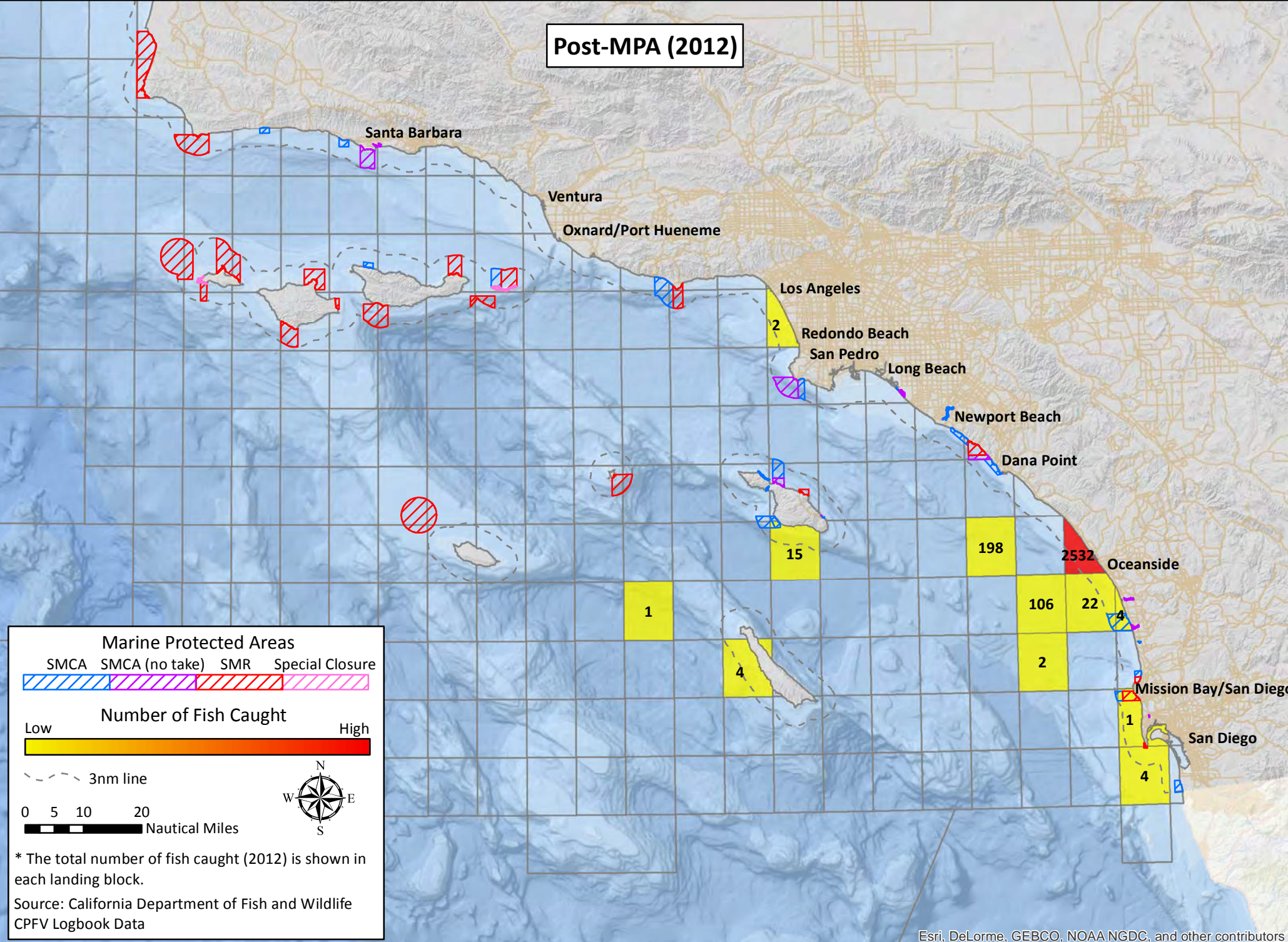


# California South Coast Commercial Passenger Fishing Vessel Landing Blocks Oceanside – Number of Fish Caught – California scorpionfish

**Pre-MPA (2000-2011)**



**Post-MPA (2012)**



Marine Protected Areas  
SMCA SMCA (no take) SMR Special Closure

Number of Fish Caught  
Low High

3nm line

0 5 10 20 Nautical Miles

\* The annual average number of fish caught (2000-2011) is shown in each landing block.  
Source: California Department of Fish and Wildlife CPFV Logbook Data

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

Marine Protected Areas  
SMCA SMCA (no take) SMR Special Closure

Number of Fish Caught  
Low High

3nm line

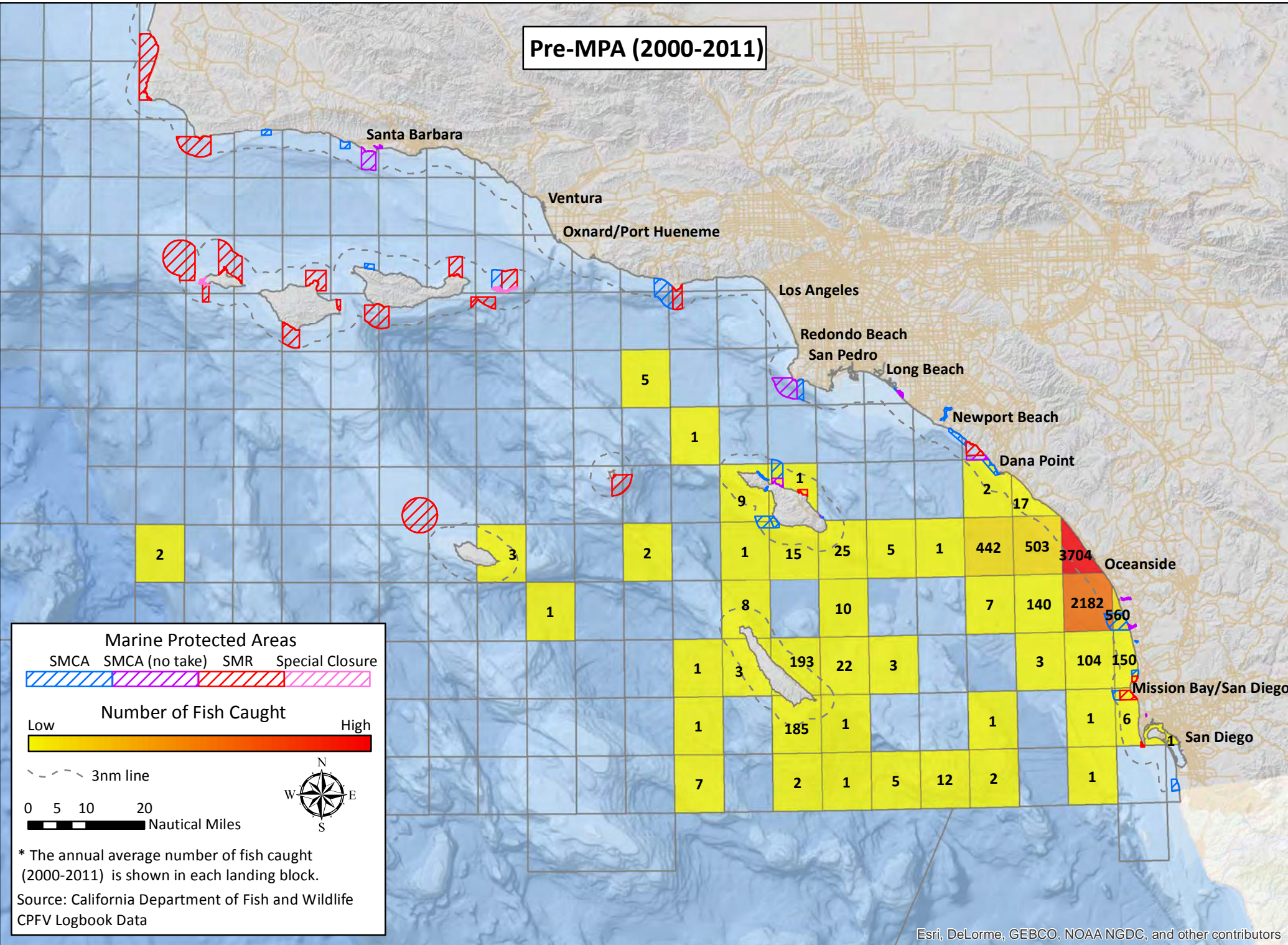
0 5 10 20 Nautical Miles

\* The total number of fish caught (2012) is shown in each landing block.  
Source: California Department of Fish and Wildlife CPFV Logbook Data

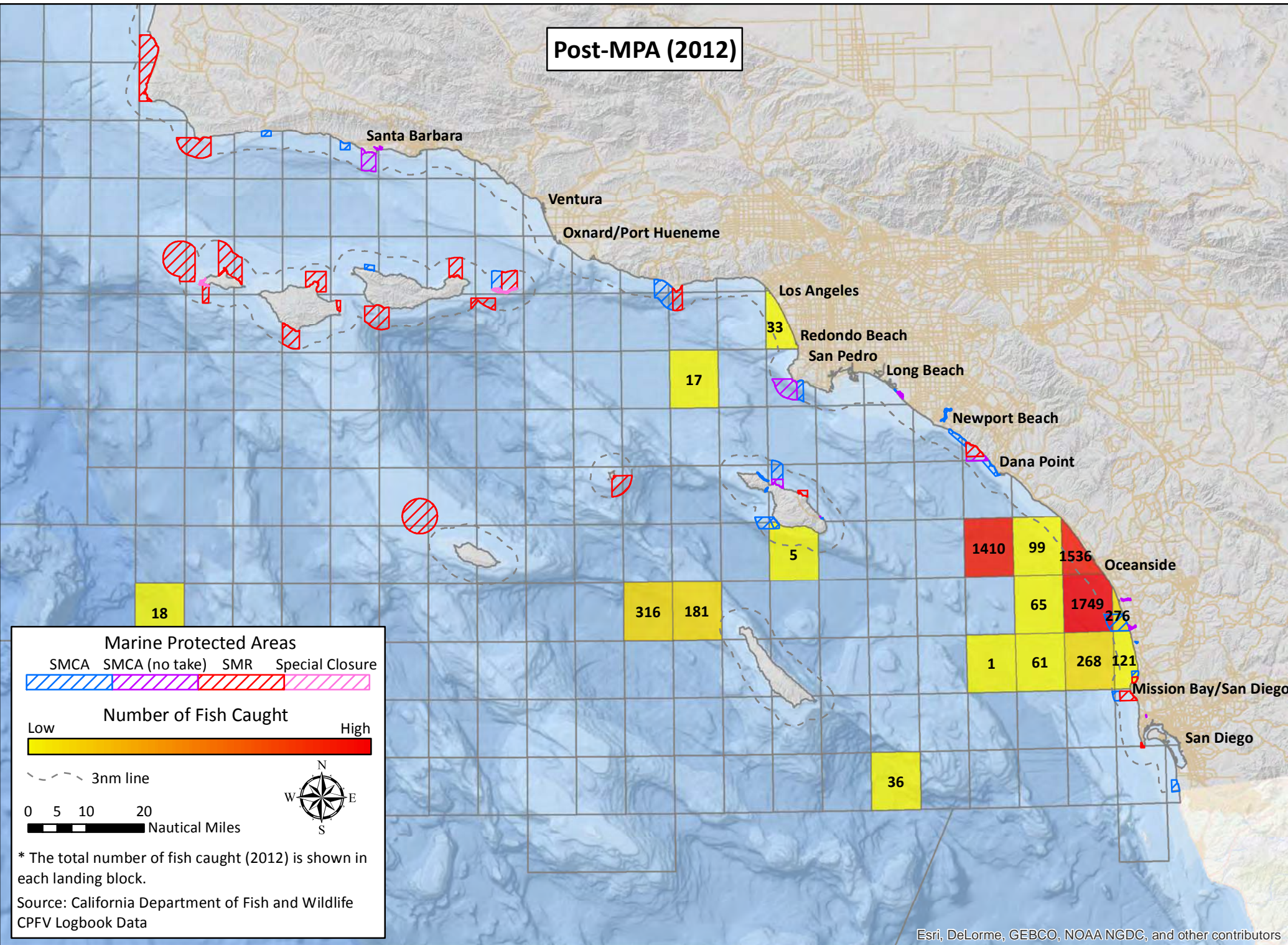
Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

# California South Coast Commercial Passenger Fishing Vessel Landing Blocks Oceanside – Number of Fish Caught – Kelp bass

**Pre-MPA (2000-2011)**



**Post-MPA (2012)**

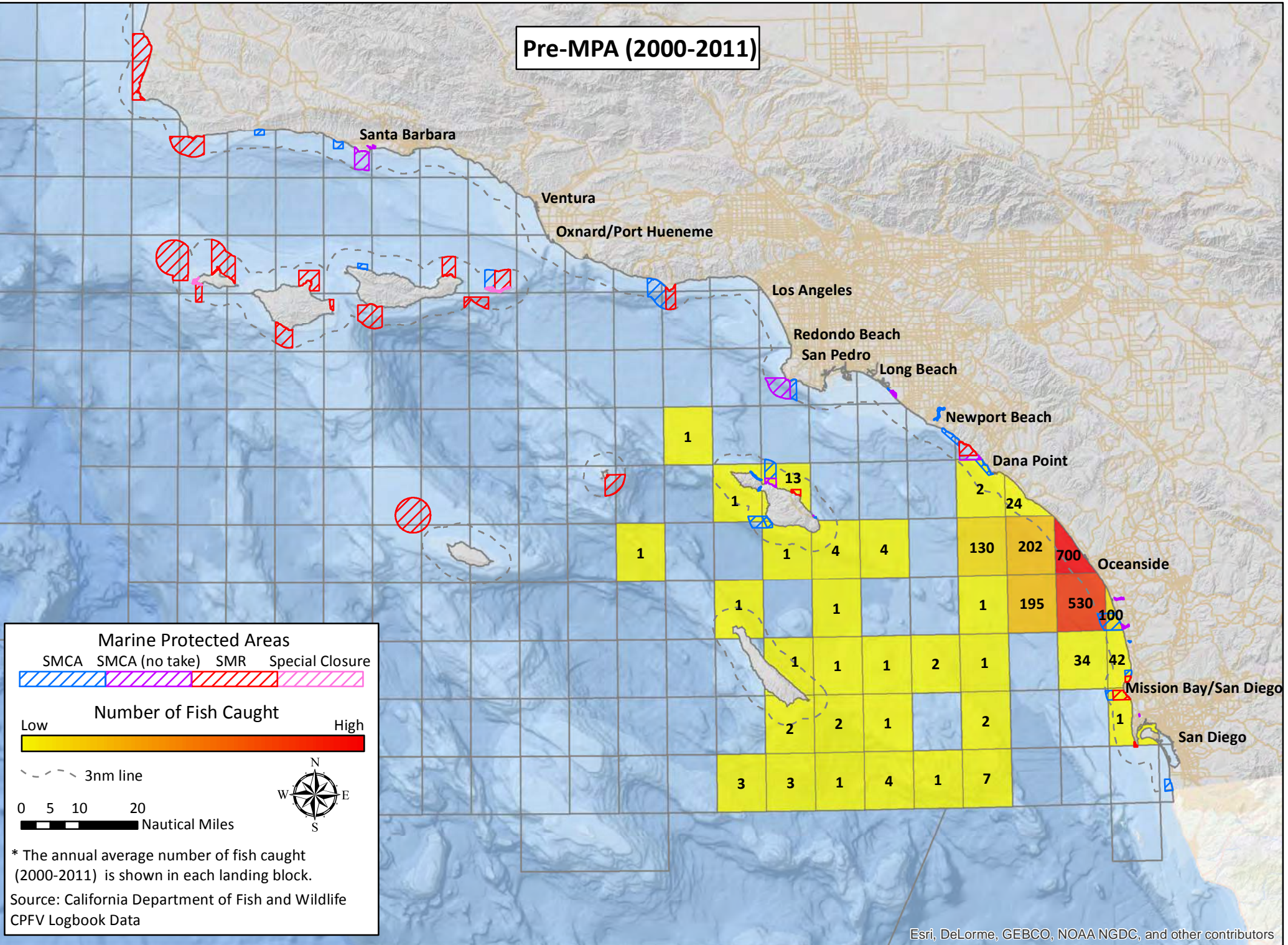


Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors

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

# California South Coast Commercial Passenger Fishing Vessel Landing Blocks Oceanside – Number of Fish Caught – Mackerel

**Pre-MPA (2000-2011)**



**Post-MPA (2012)**

