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

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

* 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

**Mission Bay/San Diego – Number of Fish Caught – All Fisheries**

#### Pre-MPA (2000-2011)

- **Santa Barbara**
- **Los Angeles**
- **Redondo Beach**
- **San Pedro**
- **Long Beach**
- **Newport Beach**
- **Dana Point**
- **Oceanside**
- **Mission Bay/San Diego**

#### Post-MPA (2012)

- **Santa Barbara**
- **Los Angeles**
- **Redondo Beach**
- **San Pedro**
- **Long Beach**
- **Newport Beach**
- **Dana Point**
- **Oceanside**
- **Mission Bay/San Diego**

---

**Marine Protected Areas**

- **SMCA**
- **SMCA (no take)**
- **SMR**
- **Special Closure**

**Number of Fish Caught**

- **Low**
- **High**

---

* 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

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* The total number of fish caught (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Mission Bay/San Diego – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Fish Caught
Low
High

Source: California Department of Fish and Wildlife CPFV Logbook Data

* The annual average number of fish caught (2000-2011) is shown in each landing block.
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Mission Bay/San Diego – Number of Fish Caught – California barracuda

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Fish Caught
- Low
- High

* 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

Post-MPA (2012)

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

Number of Fish Caught
- Low
- High

* The total number of fish caught (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Mission Bay/San Diego – Number of Fish Caught – Kelp bass

Pre-MPA (2000-2011)

Post-MPA (2012)

* 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

* The total number of fish caught (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Mission Bay/San Diego – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Fish Caught
- Low
- High

* The annual average number of fish caught (2000-2011) is shown in each landing block.
* The total number of fish caught (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Mission Bay/San Diego – Number of Fish Caught – Yellowtail

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Fish Caught
Low
High

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

* 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
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Diego – Number of Fish Caught – All Fisheries

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Fish Caught

* 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

* 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

FINAL MAP PRODUCT
AUGUST 7, 2014
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Diego – Number of Fish Caught – Barred sand bass

Pre-MPA (2000-2011)

Santa Barbara
Ventura
Oxnard/Port Hueneme
Los Angeles
Redondo Beach
San Pedro
Long Beach
Newport Beach
Dana Point
Oceanside
Mission Bay/San Diego
San Diego

37 1
1 134 112
2 6 1 3
43 2250
18852
10191

Number of Fish Caught

Low
High

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

3nm line

* 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

Post-MPA (2012)

Santa Barbara
Ventura
Oxnard/Port Hueneme
Los Angeles
Redondo Beach
San Pedro
Long Beach
Newport Beach
Dana Point
Oceanside
Mission Bay/San Diego
San Diego

54 2
2 1
2432

Number of Fish Caught

Low
High

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

3nm line

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

Nautical Miles

Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Diego – 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

* 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

* 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

FINAL MAP PRODUCT  AUGUST 7, 2014  FINAL MAP PRODUCT
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Diego – Number of Fish Caught – Kelp bass

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

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

FINAL MAP PRODUCT
AUGUST 7, 2014
FINAL MAP PRODUCT
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Diego – Number of Fish Caught – Rockfish

Pre-MPA (2000-2011)

Number of Fish Caught

Low High

Source: California Department of Fish and Wildlife CPFV Logbook Data

Post-MPA (2012)

Number of Fish Caught

Low High

Source: California Department of Fish and Wildlife CPFV Logbook Data

* The annual average number of fish caught (2000-2011) is shown in each landing block.

* The total number of fish caught (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

Marine Protected Areas

SMCA SMCA (no take) SMR Special Closure

Nautical Miles

0 5 10 20

SMCA SMR Special Closure

Post-MPA (2012)

Number of Fish Caught

High Low

* The annual average number of fish caught (2000-2011) is shown in each landing block.

* The total number of fish caught (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

Marine Protected Areas

SMCA SMCA (no take) SMR Special Closure

Nautical Miles

0 5 10 20

SMCA SMR Special Closure

Post-MPA (2012)

Number of Fish Caught

High Low

* The annual average number of fish caught (2000-2011) is shown in each landing block.

* The total number of fish caught (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

Marine Protected Areas

SMCA SMCA (no take) SMR Special Closure

Nautical Miles

0 5 10 20

SMCA SMR Special Closure

Post-MPA (2012)

Number of Fish Caught

High Low

* The annual average number of fish caught (2000-2011) is shown in each landing block.

* The total number of fish caught (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

Marine Protected Areas

SMCA SMCA (no take) SMR Special Closure

Nautical Miles

0 5 10 20

SMCA SMR Special Closure

Post-MPA (2012)

Number of Fish Caught

High Low

* The annual average number of fish caught (2000-2011) is shown in each landing block.

* The total number of fish caught (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

Marine Protected Areas

SMCA SMCA (no take) SMR Special Closure

Nautical Miles

0 5 10 20

SMCA SMR Special Closure

Post-MPA (2012)

Number of Fish Caught

High Low

* The annual average number of fish caught (2000-2011) is shown in each landing block.

* The total number of fish caught (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Diego – Number of Fish Caught – Yellowtail

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Fish Caught

Low

High

Nautical Miles

0  5  10  20

* 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

Post-MPA (2012)

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

Number of Fish Caught

Low

High

Nautical Miles

0  5  10  20

* The total number of fish caught (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data
MAP APPENDIX

Number of Anglers

Pre MPA (2000-2011 yearly average) and Post MPA (2012)
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
All Ports – Number of Anglers Targeting All Fisheries

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers
Low High

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

* The total number of anglers (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

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

FINAL MAP PRODUCT  AUGUST 7, 2014  FINAL MAP PRODUCT
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
All Ports – Number of Anglers Targeting Lingcod

Pre-MPA (2000-2011)

Post-MPA (2012)

* The annual average number of anglers (2000-2011) is shown in each landing block.
* The total number of anglers (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
All Ports – Number of Anglers Targeting Miscellaneous Coastal Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

Marine Protected Areas
SMCA - Special Management Area
SMR - Special Management Region
SMCA (no take)
SMR Special Closure

Number of Anglers

Low
High

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

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

Nautical Miles

0 10 20

Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
All Ports – Number of Anglers Targeting Miscellaneous Offshore Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

Low

High

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

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

FINAL MAP PRODUCT
AUGUST 7, 2014
FINAL MAP PRODUCT
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
All Ports – Number of Anglers Targeting Rockfish

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

- **Santa Barbara**
  - Number of Anglers: 41
- **Ventura**
  - Number of Anglers: 53
- **Oxnard/Port Hueneme**
  - Number of Anglers: 38
- **Los Angeles**
  - Number of Anglers: 28
- **Redondo Beach**
  - Number of Anglers: 35
- **San Pedro**
  - Number of Anglers: 52
- **Long Beach**
  - Number of Anglers: 48
- **Newport Beach**
  - Number of Anglers: 34
- **Dana Point**
  - Number of Anglers: 22
- **Oceanside**
  - Number of Anglers: 8
- **Mission Bay/San Diego**
  - Number of Anglers: 1
- **San Diego**
  - Number of Anglers: 2

**Marine Protected Areas**

- **SMCA**
- **SMCA (no take)**
- **SMR**
- **Special Closure**

* The annual average number of anglers (2000-2011) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

**Post-MPA (2012)**

- **Santa Barbara**
  - Number of Anglers: 22
- **Ventura**
  - Number of Anglers: 65
- **Oxnard/Port Hueneme**
  - Number of Anglers: 29
- **Los Angeles**
  - Number of Anglers: 28
- **Redondo Beach**
  - Number of Anglers: 53
- **San Pedro**
  - Number of Anglers: 52
- **Long Beach**
  - Number of Anglers: 28
- **Newport Beach**
  - Number of Anglers: 34
- **Dana Point**
  - Number of Anglers: 22
- **Oceanside**
  - Number of Anglers: 2
- **Mission Bay/San Diego**
  - Number of Anglers: 1
- **San Diego**
  - Number of Anglers: 2

**Marine Protected Areas**

- **SMCA**
- **SMCA (no take)**
- **SMR**
- **Special Closure**

* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

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**Note:**

- Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Santa Barbara – Number of Anglers Targeting All Fisheries

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

- **Number of Anglers**
  - **Low**
  - **High**

  - **3nm line**

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

**Post-MPA (2012)**

- **Number of Anglers**
  - **Low**
  - **High**

  * The total number of anglers (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
Santa Barbara – Number of Anglers Targeting Lingcod

Pre-MPA (2000-2011)

Post-MPA (2012)

Marine Protected Areas

SMCA SMCA (no take) SMR Special Closure

Number of Anglers

Low High

3nm line

Nautical Miles

0 5 10 20

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

* The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
Santa Barbara – Number of Anglers Targeting Miscellaneous Coastal Fish

<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Santa Barbara</td>
<td>Low: 1 High: 111</td>
<td>Low: 21 High: 150</td>
</tr>
<tr>
<td>Ventura</td>
<td>Low: 3 High: 98</td>
<td>Low: 147 High: 277</td>
</tr>
<tr>
<td>Oxnard/Port Hueneme</td>
<td>Low: 9 High: 26</td>
<td>Low: 196 High: 196</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>Low: 3 High: 112</td>
<td>Low: 144 High: 144</td>
</tr>
<tr>
<td>Redondo Beach</td>
<td>Low: 2 High: 54</td>
<td>Low: 101 High: 101</td>
</tr>
<tr>
<td>San Pedro</td>
<td>Low: 2 High: 54</td>
<td>Low: 195 High: 195</td>
</tr>
<tr>
<td>Long Beach</td>
<td>Low: 3 High: 98</td>
<td>Low: 283 High: 283</td>
</tr>
<tr>
<td>Newport Beach</td>
<td>Low: 1 High: 11</td>
<td>Low: 186 High: 186</td>
</tr>
<tr>
<td>Dana Point</td>
<td>Low: 3 High: 113</td>
<td>Low: 95 High: 95</td>
</tr>
<tr>
<td>Oceanside</td>
<td>Low: 3 High: 113</td>
<td>Low: 115 High: 115</td>
</tr>
<tr>
<td>San Diego</td>
<td>Low: 1 High: 11</td>
<td>Low: 130 High: 130</td>
</tr>
<tr>
<td>Mission Bay/San Diego</td>
<td>Low: 2 High: 15</td>
<td>Low: 22 High: 22</td>
</tr>
</tbody>
</table>

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

* The total number of anglers (2012) is shown in each landing block. Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Santa Barbara – Number of Anglers Targeting Miscellaneous Offshore Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers
Low | High

Climate | 3nm line | Nautical Miles

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

* The total number of anglers (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

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AUGUST 7, 2014
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Santa Barbara – Number of Anglers Targeting Rockfish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

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

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

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
Ventura – Number of Anglers Targeting All Fisheries

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

Source: California Department of Fish and Wildlife
CPFV Logbook Data

* The annual average number of anglers (2000-2011) is shown in each landing block.
* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife
CPFV Logbook Data
**California South Coast Commercial Passenger Fishing Vessel Landing Blocks**

**Ventura – Number of Anglers Targeting Lingcod**

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

<table>
<thead>
<tr>
<th>Location</th>
<th>Number of Anglers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Barbara</td>
<td>21</td>
</tr>
<tr>
<td>Ventura</td>
<td>14</td>
</tr>
<tr>
<td>Oxnard/Port Hueneme</td>
<td>25</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>1</td>
</tr>
<tr>
<td>Redondo Beach</td>
<td>15</td>
</tr>
<tr>
<td>Long Beach</td>
<td>1</td>
</tr>
<tr>
<td>San Pedro</td>
<td>6</td>
</tr>
<tr>
<td>Long Beach</td>
<td>15</td>
</tr>
<tr>
<td>Newport Beach</td>
<td>1</td>
</tr>
<tr>
<td>Dana Point</td>
<td>1</td>
</tr>
<tr>
<td>Oceanside</td>
<td>2</td>
</tr>
<tr>
<td>Mission Bay/San Diego</td>
<td>153</td>
</tr>
<tr>
<td>San Diego</td>
<td>28</td>
</tr>
</tbody>
</table>

**Post-MPA (2012)**

<table>
<thead>
<tr>
<th>Location</th>
<th>Number of Anglers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Barbara</td>
<td>122</td>
</tr>
<tr>
<td>Ventura</td>
<td>138</td>
</tr>
<tr>
<td>Oxnard/Port Hueneme</td>
<td>62</td>
</tr>
<tr>
<td>Los Angeles</td>
<td>58</td>
</tr>
<tr>
<td>Redondo Beach</td>
<td>63</td>
</tr>
<tr>
<td>San Pedro</td>
<td>289</td>
</tr>
<tr>
<td>Long Beach</td>
<td>153</td>
</tr>
<tr>
<td>Newport Beach</td>
<td>57</td>
</tr>
<tr>
<td>Dana Point</td>
<td>2</td>
</tr>
<tr>
<td>Oceanside</td>
<td>3</td>
</tr>
<tr>
<td>Mission Bay/San Diego</td>
<td>237</td>
</tr>
<tr>
<td>San Diego</td>
<td>28</td>
</tr>
</tbody>
</table>

* The annual average number of anglers (2000-2011) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Ventura – Number of Anglers Targeting Miscellaneous Coastal Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers
- Low
- High

3nm line

Nautical Miles

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

* The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Ventura – Number of Anglers Targeting Miscellaneous Offshore Fish

Pre-MPA (2000-2011)

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

Number of Anglers

Low
High

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

Post-MPA (2012)

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

Number of Anglers

Low
High

* The total number of anglers (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

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AUGUST 7, 2014
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California South Coast Commercial Passenger Fishing Vessel Landing Blocks

Ventura – Number of Anglers Targeting Rockfish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

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

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

Number of Anglers
Low
High

\[ \text{3nm line} \]

Nautical Miles

0 5 10 20

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

Number of Anglers
Low
High

\[ \text{3nm line} \]

Nautical Miles

0 5 10 20
California South Coast Commercial Passenger Fishing Vessel Landing Blocks

Oxnard/Port Hueneme – Number of Anglers Targeting All Fisheries

Pre-MPA (2000-2011)

Post-MPA (2012)

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

* The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Oxnard/Port Hueneme – Number of Anglers Targeting Lingcod

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

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

**Post-MPA (2012)**

*The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Oxnard/Port Hueneme – Number of Anglers Targeting Miscellaneous Coastal Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

Low

High

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

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

Nautical Miles

0 10 20

0 5 10 20

Nautical Miles

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

Number of Anglers

Low

High

Nautical Miles

0 10 20

0 5 10 20

Nautical Miles

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

Nautical Miles

0 10 20

0 5 10 20

Nautical Miles

* The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Oxnard/Port Hueneme – Number of Anglers Targeting Miscellaneous Offshore Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

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

* The total number of anglers (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

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California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Oxnard/Port Hueneme – Number of Anglers Targeting Rockfish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

\[ \text{Source: California Department of Fish and Wildlife CPFV Logbook Data} \]
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Los Angeles – Number of Anglers Targeting All Fisheries

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

- Santa Barbara
- Ventura
- Oxnard/Port Hueneme
- Los Angeles
- Redondo Beach
- San Pedro
- Long Beach
- Newport Beach
- Dana Point
- Oceanside
- Mission Bay/San Diego
- San Diego

<table>
<thead>
<tr>
<th>Marine Protected Areas</th>
<th>Number of Anglers</th>
<th>Low</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMCA (no take)</td>
<td></td>
<td>3nm line</td>
<td></td>
</tr>
</tbody>
</table>

* The annual average number of anglers (2000-2011) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

**Post-MPA (2012)**

- Santa Barbara
- Ventura
- Oxnard/Port Hueneme
- Los Angeles
- Redondo Beach
- San Pedro
- Long Beach
- Newport Beach
- Dana Point
- Oceanside
- Mission Bay/San Diego
- San Diego

<table>
<thead>
<tr>
<th>Marine Protected Areas</th>
<th>Number of Anglers</th>
<th>Low</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMCA (no take)</td>
<td></td>
<td>3nm line</td>
<td></td>
</tr>
</tbody>
</table>

* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Los Angeles – Number of Anglers Targeting Miscellaneous Coastal Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers
- Low
- High

\~ \~ \~ 3nm line

Source: California Department of Fish and Wildlife
CPFV Logbook Data

* The annual average number of anglers (2000-2011) is shown in each landing block.

* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife
CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Los Angeles – Number of Anglers Targeting Rockfish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers
Low  High

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

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

Nautical Miles
0 5 10 20

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

Number of Anglers
Low  High

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

* The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Redondo Beach – Number of Anglers Targeting All Fisheries

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

* The annual average number of anglers (2000-2011) is shown in each landing block.

**Post-MPA (2012)**

* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

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

Number of Anglers
- Low
- High

Nautical Miles
- 0 5 10 20

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

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California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Redondo Beach – Number of Anglers Targeting Miscellaneous Coastal Fish

Pre-MPA (2000-2011)

Number of Anglers

Post-MPA (2012)

Number of Anglers

Marine Protected Areas

SMCA  SMCA (no take)  SMR  Special Closure

Low  High

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

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

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California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Redondo Beach – Number of Anglers Targeting Rockfish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers
- Low
- High

*Nautical Miles

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

The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
**California South Coast Commercial Passenger Fishing Vessel Landing Blocks**

**San Pedro – Number of Anglers Targeting All Fisheries**

Pre-MPA (2000-2011)

- **Santa Barbara**
  - 532
- **Ventura**
  - 532
- **Oxnard/Port Hueneme**
  - 532
- **Los Angeles**
  - 532
- **Redondo Beach**
  - 532
- **San Pedro**
  - 532
- **Long Beach**
  - 532
- **Newport Beach**
  - 532
- **Dana Point**
  - 532
- **Oceanside**
  - 532
- **Mission Bay/San Diego**
  - 532
- **San Diego**
  - 532

Post-MPA (2012)

- **Santa Barbara**
  - 532
- **Ventura**
  - 532
- **Oxnard/Port Hueneme**
  - 532
- **Los Angeles**
  - 532
- **Redondo Beach**
  - 532
- **San Pedro**
  - 532
- **Long Beach**
  - 532
- **Newport Beach**
  - 532
- **Dana Point**
  - 532
- **Oceanside**
  - 532
- **Mission Bay/San Diego**
  - 532
- **San Diego**
  - 532

**Marine Protected Areas**

- **SMCA SMR Special Closure**
- **SMCA (no take)**

**Number of Anglers**

- **Low**
- **High**

**3nm line**

- **Nautical Miles**

* The annual average number of anglers (2000-2011) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

**Marine Protected Areas**

- **SMCA SMR Special Closure**
- **SMCA (no take)**

**Number of Anglers**

- **Low**
- **High**

**3nm line**

- **Nautical Miles**

* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

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**FINAL MAP PRODUCT**

**AUGUST 7, 2014**

**FINAL MAP PRODUCT**
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Pedro – Number of Anglers Targeting Miscellaneous Coastal Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

Low
High

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

* The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Pedro – Number of Anglers Targeting Miscellaneous Offshore Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers
Low
High

~ ~ ~ ~ 3nm line

0 5 10 20 Nautical Miles

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

* The total number of anglers (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

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California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Pedro – Number of Anglers Targeting Rockfish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

* The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
**California South Coast Commercial Passenger Fishing Vessel Landing Blocks**

**Post-MPA (2012)**

- **Number of Anglers**
  - **Low**
  - **High**

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

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

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

- **Number of Anglers**
  - **Low**
  - **High**

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

*The annual average number of anglers (2000-2011) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
**California South Coast Commercial Passenger Fishing Vessel Landing Blocks**

**Long Beach – Number of Anglers Targeting Miscellaneous Coastal Fish**

<table>
<thead>
<tr>
<th>Pre-MPA (2000-2011)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Barbara</td>
</tr>
<tr>
<td>Ventura</td>
</tr>
<tr>
<td>Oxnard/Port Hueneme</td>
</tr>
<tr>
<td>Los Angeles</td>
</tr>
<tr>
<td>Redondo Beach</td>
</tr>
<tr>
<td>San Pedro</td>
</tr>
<tr>
<td>Long Beach</td>
</tr>
<tr>
<td>Newport Beach</td>
</tr>
<tr>
<td>Dana Point</td>
</tr>
<tr>
<td>Oceanside</td>
</tr>
<tr>
<td>Mission Bay/San Diego</td>
</tr>
<tr>
<td>San Diego</td>
</tr>
</tbody>
</table>

**Post-MPA (2012)**

<table>
<thead>
<tr>
<th>Post-MPA (2012)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Barbara</td>
</tr>
<tr>
<td>Ventura</td>
</tr>
<tr>
<td>Oxnard/Port Hueneme</td>
</tr>
<tr>
<td>Los Angeles</td>
</tr>
<tr>
<td>Redondo Beach</td>
</tr>
<tr>
<td>San Pedro</td>
</tr>
<tr>
<td>Long Beach</td>
</tr>
<tr>
<td>Newport Beach</td>
</tr>
<tr>
<td>Dana Point</td>
</tr>
<tr>
<td>Oceanside</td>
</tr>
<tr>
<td>Mission Bay/San Diego</td>
</tr>
<tr>
<td>San Diego</td>
</tr>
</tbody>
</table>

* The annual average number of anglers (2000-2011) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

---

**Marine Protected Areas**

- **SMCA**
- **SMCA (no take)**
- **SMR**
- **Special Closure**

**Number of Anglers**

- Low
- High

Nautical Miles

- 0
- 5
- 10
- 20

* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Long Beach – Number of Anglers Targeting Miscellaneous Offshore Fish

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

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

<table>
<thead>
<tr>
<th>Number of Anglers</th>
<th>Low</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>3nm line</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* The annual average number of anglers (2000-2011) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

**Post-MPA (2012)**

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

<table>
<thead>
<tr>
<th>Number of Anglers</th>
<th>Low</th>
<th>High</th>
</tr>
</thead>
<tbody>
<tr>
<td>3nm line</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data

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*Esri, DeLorme, GEBCO, NOAA NGDC, and other contributors*
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Long Beach – Number of Anglers Targeting Rockfish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers
- Low
- High

Source: California Department of Fish and Wildlife CPFV Logbook Data

* The annual average number of anglers (2000-2011) is shown in each landing block.
* The total number of anglers (2012) is shown in each landing block.

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

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California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Newport Beach – Number of Anglers Targeting All Fisheries

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

Low

High

~ ~ ~ ~ 3nm line

Nautical Miles

0 5 10 20

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

* The total number of anglers (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
Newport Beach – Number of Anglers Targeting Miscellaneous Offshore Fish

### Pre-MPA (2000-2011)

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

### Post-MPA (2012)

- **Source:** California Department of Fish and Wildlife CPFV Logbook Data
- **Notes:** The total number of anglers (2012) is shown in each landing block.
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Dana Point – Number of Anglers Targeting All Fisheries

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

- Santa Barbara
- Ventura
- Oxnard/Port Hueneme
- Los Angeles
- Redondo Beach
- San Pedro
- Long Beach
- Newport Beach
- Dana Point
- Oceanside
- Mission Bay/San Diego
- San Diego

**Post-MPA (2012)**

- Santa Barbara
- Ventura
- Oxnard/Port Hueneme
- Los Angeles
- Redondo Beach
- San Pedro
- Long Beach
- Newport Beach
- Dana Point
- Oceanside
- Mission Bay/San Diego
- San Diego

* The annual average number of anglers (2000-2011) is shown in each landing block.
* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife CPFV Logbook Data
**California South Coast Commercial Passenger Fishing Vessel Landing Blocks**

**Dana Point – Number of Anglers Targeting Miscellaneous Offshore Fish**

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

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

Number of Anglers

| Source | California Department of Fish and Wildlife CPFV Logbook Data |

**Post-MPA (2012)**

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

Number of Anglers

| Source | California Department of Fish and Wildlife CPFV Logbook Data |

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

*The total number of anglers (2012) is shown in each landing block. Source: California Department of Fish and Wildlife CPFV Logbook Data*
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Oceanside – Number of Anglers Targeting All Fisheries

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

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

**Post-MPA (2012)**

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

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

*Number of Anglers*
- Low
- High

*3nm line*

Nautical Miles

0 5 10 20
California South Coast Commercial Passenger Fishing Vessel Landing Blocks

Oceanside – Number of Anglers Targeting Miscellaneous Coastal Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

Marine Protected Areas

SMCA, SMCA (no take), SMR, Special Closure

Number of Anglers

Low

High

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

* The total number of anglers (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

ESRI, DE LORME, GEBCO, NOAA NGDC, AND OTHER CONTRIBUTORS
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Oceanside – Number of Anglers Targeting Miscellaneous Offshore Fish

Pre-MPA (2000-2011)

Number of Anglers

Post-MPA (2012)

Number of Anglers

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

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

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

Nautical Miles

0 5 10 20
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Oceanside – Number of Anglers Targeting Rockfish

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

**Post-MPA (2012)**

Marine Protected Areas

- SMCA
- SMCA (no take)
- SMR
- Special Closure

**Number of Anglers**

| Source: California Department of Fish and Wildlife CPFV Logbook Data |

- Post-MPA (2012)
  - The total number of anglers (2012) is shown in each landing block.

- Pre-MPA (2000-2011)
  - The annual average number of anglers (2000-2011) is shown in each landing block.

**SMCA SMR Special Closure**

**Nautical Miles**

- 3nm line

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**AUGUST 7, 2014**
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Mission Bay/San Diego – Number of Anglers Targeting All Fisheries

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

- **Santa Barbara**
- **Ventura**
- **Oxnard/Port Hueneme**
- **Los Angeles**
- **Redondo Beach**
- **San Pedro**
- **Long Beach**
- **Newport Beach**
- **Dana Point**
- **Oceanside**
- **Mission Bay/San Diego**

- **Number of Anglers**
  - Low
  - High
  - 3nm line

- **Marine Protected Areas**
  - SMCA
  - SMCA (no take)
  - SMR

- **Source:** California Department of Fish and Wildlife CPFV Logbook Data

**Post-MPA (2012)**

- **Santa Barbara**
- **Ventura**
- **Oxnard/Port Hueneme**
- **Los Angeles**
- **Redondo Beach**
- **San Pedro**
- **Long Beach**
- **Newport Beach**
- **Dana Point**
- **Oceanside**
- **Mission Bay/San Diego**

- **Number of Anglers**
  - Low
  - High
  - 3nm line

- **Marine Protected Areas**
  - SMCA
  - SMCA (no take)
  - SMR

- **Source:** California Department of Fish and Wildlife CPFV Logbook Data

*The annual average number of anglers (2000-2011) is shown in each landing block.*

*The total number of anglers (2012) is shown in each landing block.*
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Mission Bay/San Diego – Number of Anglers Targeting Miscellaneous Coastal Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

Marine Protected Areas
SMCA  SMCA (no take)  SMR  Special Closure
Number of Anglers

Low  High

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

* The total number of anglers (2012) is shown in each landing block.
Source: California Department of Fish and Wildlife CPFV Logbook Data
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Mission Bay/San Diego – Number of Anglers Targeting Miscellaneous Offshore Fish

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

- Santa Barbara
- Ventura
- Oxnard/Port Hueneme
- Los Angeles
- Redondo Beach
- Long Beach
- San Pedro
- Long Beach
- Oceanside
- Mission Bay/San Diego
- San Diego

**Post-MPA (2012)**

- Santa Barbara
- Ventura
- Oxnard/Port Hueneme
- Los Angeles
- Redondo Beach
- Long Beach
- San Pedro
- Long Beach
- Oceanside
- Mission Bay/San Diego
- San Diego

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**Marine Protected Areas**

- SMCA
- SMCA (no take)
- SMR
- Special Closure

**Number of Anglers**

- Low
- High

* The total number of anglers (2012) is shown in each landing block.

Source: California Department of Fish and Wildlife
CPFV Logbook Data

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* The annual average number of anglers (2000-2011) is shown in each landing block.

Source: California Department of Fish and Wildlife
CPFV Logbook Data

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**FINAL MAP PRODUCT**

AUGUST 7, 2014
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
Mission Bay/San Diego – Number of Anglers Targeting Rockfish

Pre-MPA (2000-2011)

Post-MPA (2012)

Marine Protected Areas
- SMCA - Special Marine Conservation Area
- SMGA (no take)
- SMR - Special Management Rules

Number of Anglers

0 10 20 30 Nautical Miles

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

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

FINAL MAP PRODUCT
AUGUST 7, 2014
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Diego – Number of Anglers Targeting All Fisheries

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

Low
High

3nm line

Nautical Miles

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

* The total number of anglers (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
San Diego – Number of Anglers Targeting Miscellaneous Coastal Fish

Pre-MPA (2000-2011)

Post-MPA (2012)

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

Number of Anglers

Low
High

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

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

0 10 20 5 Nautical Miles

SMCA
SMR
Special Closure

3nm line

0 N 5 20 0

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

FINAL MAP PRODUCT
AUGUST 7, 2014
FINAL MAP PRODUCT
California South Coast Commercial Passenger Fishing Vessel Landing Blocks
San Diego – Number of Anglers Targeting Miscellaneous Offshore Fish

Pre-MPA (2000-2011)

Santa Barbara
Ventura
Oxnard/Port Hueneme
Los Angeles
Redondo Beach
San Pedro
Long Beach
Newport Beach
Dana Point
Oceanside
Mission Bay/San Diego
San Diego

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

Number of Anglers
Low High

~ ~ ~ 3nm line

5 6 1 2
2 62 6

0 5 10 20 Nautical Miles

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

Post-MPA (2012)

Santa Barbara
Ventura
Oxnard/Port Hueneme
Los Angeles
Redondo Beach
San Pedro
Long Beach
Newport Beach
Dana Point
Oceanside
Mission Bay/San Diego
San Diego

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

Number of Anglers
Low High

~ ~ ~ 3nm line

2 38 49 1 2 19 1868 16 4 15 2
34 1 75 10 33 1950 195 5 182
4 7 4 35 197 137 3 1

5 6 1 2
2 62 6

0 5 10 20 Nautical Miles

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

Source: California Department of Fish and Wildlife CPFV Logbook Data

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

Number of Anglers and Number of Fish Caught
Spatial Change Maps:

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

Number of Fish Caught
Spatial Change Maps:

Change between Pre MPA (2000-2011 yearly average) and
Post MPA (2012)
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*
Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Fish Caught – All Fisheries

Change in Number of Fish Caught

* The change in the number of fish caught 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
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*

Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Fish Caught – Barred sand bass

* The change in the number of fish caught 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
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*
Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Fish Caught – California barracuda

SMCA  SMCA (no take)  SMR  Special Closure

Change in Number of Fish Caught
Decrease  Increase

* The change in the number of fish caught 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
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*
Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Fish Caught – California scorpionfish

- The change in the number of fish caught 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
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*
Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Fish Caught – Kelp bass

* The change in the number of fish caught 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

- Decrease
- Increase

SMCA SMR Special Closure
SMCA (no take)
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*
Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Fish Caught – Mackerel

*The change in the number of fish caught 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

SMCA SMCA (no take) SMR Special Closure

Change in Number of Fish Caught

Decrease Increase

SMCA SMR Special Closure

3nm line

Nautical Miles

FINA L MAP PROD UCT
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FINA L MAP PROD UCT
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*
Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Fish Caught – Ocean whitefish

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</table>
California South Coast Commercial Passenger Fishing Vessel Landing Blocks – Spatial Change Analysis*
Pre MPA (2000-2011) to Post MPA (2012) – All Ports – Number of Fish Caught – Pacific bonito

- The change in the number of fish caught 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