

# MARINE REGION

## 2016 BY THE NUMBERS



### Marine Region: Area, Staff, Funding

- The Marine Region encompasses approximately **5,767 square statute miles of state waters**, including San Francisco Bay and San Pablo Bay to the Carquinez Bridge.
- As of December 31, 2016 there were **141 permanent** and **119 temporary staff positions** within the Marine Region.
- For the 2016-2017 fiscal year, the Marine Region's **total annual budget** was **\$20,459,723**.

### 2016 Commercial Fishing

<b>Weight and Ex-Vessel Value of California Commercial Landings in 2016</b>		
<b>Port Area</b>	<b>Pounds</b>	<b>Value</b>
Eureka	19,340,114	\$38,390,651
Fort Bragg	4,261,735	\$7,669,632
Bodega Bay	4,566,297	\$14,244,244
San Francisco	27,019,526	\$44,953,901
Monterey	24,341,349	\$13,594,876
Morro Bay	5,151,430	\$9,785,067
Santa Barbara	43,269,600	\$39,614,498
Los Angeles	36,743,539	\$21,321,705
San Diego	2,401,383	\$10,262,141
<b>Total</b>	<b>167,094,973</b>	<b>\$199,836,716</b>

<b>Total Number of Licensed Commercial Vessels and License Fees for April 2016 - March 2017</b>		
	<b>Number Sold</b>	<b>Revenue</b>
Resident Vessel	2,798	\$975,103
Resident License	5,684	\$754,551
Non-Resident Vessel	323	\$112,566
Non-Resident License	1,144	\$151,866
Passenger Fishing Vessel	492	\$171,462
<b>Total</b>	<b>10,441</b>	<b>\$2,165,548</b>

## 2016 Commercial Fishing, cont.

- Commercial **landing fees** collected in 2016 (excluding oyster and kelp): **\$400,494**
- Top commercial fishery by **ex-vessel value** for 2016: **Dungeness crab - \$83,154,136**
- Top commercial fishery by **weight** for 2016: **Market Squid - 81,744,429 lb.**

<b>Top California Commercial Species by Value in 2016</b>		
	<b>Ex-Vessel Value</b>	<b>Pounds</b>
Dungeness crab	\$83,154,136	26,673,590
Market squid	\$39,188,771	81,744,429
Spiny lobster	\$13,679,692	679,050
Sablefish (black cod)	\$8,614,546	3,540,385
Red sea urchin	\$7,264,350	5,880,387
Spot prawn	\$7,218,818	533,124
Chinook salmon	\$5,230,116	614,465
Swordfish	\$3,724,316	951,574
Bigeye tuna	\$3,557,897	1,148,873
Shortspine thornyhead	\$2,770,627	730,773

Note that landings and value reported over the calendar year (January 1 – December 31) may differ from seasonal landings for specific fisheries reported elsewhere.

<b>Top California Commercial Species by Weight in 2016</b>		
	<b>Pounds</b>	<b>Ex-Vessel Value</b>
Market squid	81,744,429	\$39,188,771
Dungeness crab	26,673,590	\$83,154,136
Northern anchovy	18,449,125	\$1,089,791
Red sea urchin	5,880,387	\$7,264,350
Dover sole	4,000,316	\$1,785,557
Pacific mackerel	3,967,813	\$475,020
Sablefish (black cod)	3,540,385	\$8,614,546
Ocean (pink) shrimp	3,021,074	\$2,330,321
Hagfishes	1,599,799	\$1,408,795
Bigeye tuna	1,148,873	\$3,557,897

Note that landings and value reported over the calendar year (January 1 – December 31) may differ from seasonal landings for specific fisheries reported elsewhere.

<b>California Commercial Landings of Key Groundfish Species (All Gear Types)</b>		
<b>Species</b>	<b>Pounds</b>	<b>Ex-Vessel Value</b>
Nearshore <sup>1</sup>	482,314	\$2,508,645
Shelf and Slope Rockfish	602,115	\$728,247
Dover Sole, Thornyhead, Sablefish (black cod)	9,173,823	\$13,796,571
Remaining Flatfish <sup>2</sup>	1,624,956	\$1,624,956
Other	787,096	\$802,754
<b>Total</b>	<b>12,670,304</b>	<b>\$19,461,172</b>

<sup>1</sup> Includes nearshore rockfish, California scorpionfish, cabezon, greenling, and California sheephead

<sup>2</sup> Does not include California halibut

Data Source: Commercial Fisheries Information System (CFIS)

## 2016 Recreational Fishing

<b>Total Recreational Fishing Licenses Sold and Fees<sup>1</sup> Collected in 2016</b>		
	<b>Number Sold</b>	<b>Value</b>
All Sport Fishing Licenses <sup>2</sup>	1,790,870	\$58,930,380
Abalone Report Card	25,129	\$521,427
Lobster Report Card	30,770	\$269,238
Ocean Enhancement Validation <sup>3</sup>	254,661	\$1,209,640

<sup>1</sup> Does not include 5% handling fee and 3% processing fee. Total as of 12/31/2016

<sup>2</sup> Sport fishing licenses provide the privilege to fish in either saltwater or freshwater

<sup>3</sup> Only required for ocean fishing south of Point Arguello, Santa Barbara County

- Estimated number of recreational fishing trips: approximately **3.5 million fishing trips in marine waters**
- Estimated number of fish caught: approximately **10 million fish**
- Number of anglers contacted by California Recreational Fisheries Survey staff: more than **98,000 anglers**
- Number of fish and invertebrates that anglers reported catching: roughly **500,000 fish and invertebrates**
- Number of fish and invertebrates examined by California Recreational Fisheries Survey staff: more than **187,000 fish and invertebrates**

## 2016 Recreational Fishing, cont.

<b>Top Five Types of Trips for Fish Targeted by Anglers in California During 2016, Based on Estimated Number of Angling Fishing Trips</b>		
Rank	Trip Type: Top Species Caught <sup>1</sup>	Estimated Number of Angler Trips (thousands)
1	<b>Inshore:</b> Surfperch, California Halibut, Leopard Shark, and Jacksmelt	1,496
2	<b>Bottomfish:</b> Rockfish, Basses (Kelp/Calico Bass, and Barred Sand Bass), Lingcod, and California Scorpionfish.	757
3	<b>Coastal Migratory:</b> Yellowtail, Chub (Pacific) Mackerel, Pacific Bonito, and Pacific Barracuda	302
4	<b>Highly Migratory:</b> Tunas (Bluefin Tuna, Yellowfin Tuna, and Albacore), Thresher Shark, Wahoo, and Dolphinfinch (Dorado)	73
5	<b>Salmon:</b> Chinook	70

<sup>1</sup> For each trip type, the top species caught (in order) based on the species or species group.

Data Sources: The CRFS estimates and data were extracted from RecFin database at [www.recfin.org](http://www.recfin.org), and supplemental data and estimates were provided by the CDFW Recreational Fisheries Data Project.

<b>Top 10 Types of Fish Commonly Caught by Anglers in California During 2016, Based on Estimated Pounds of Fish Harvested<sup>1</sup></b>		
Rank	Fish Type	Estimated Pounds of Fish Harvested
1	<b>Rockfish</b>	2,689,636
2	<b>Lingcod</b>	1,426,389
3	<b>Tunas</b>	723,115
4	<b>Surfperches</b>	546,745
5	<b>Yellowtail</b>	533,518
6	<b>Chub (Pacific) Mackerel</b>	399,036
7	<b>Salmon<sup>2</sup> (Chinook Salmon)</b>	391,857
8	<b>Flatfish (California Halibut, Sanddab, Pacific Halibut, Sole, Starry Flounder)</b>	293,214
9	<b>Basses (Kelp/Calico Bass, Barred Sand Bass, and Spotted Sand Bass)</b>	282,191
10	<b>Croakers (White Seabass, Corbina, Corvina and Other Croakers)</b>	174,165

<sup>1</sup> Fish Harvested = fish kept and fish released dead

<sup>2</sup> Pacific Fishery Management Council uses numbers of salmon harvested for fishery management; numbers were converted to weight in pounds using RecFIN average weight of 10.4 pounds per fish.

Data Sources: The CRFS data extracted from the RecFin database at [www.recfin.org](http://www.recfin.org)/ supplemental data and estimates were provided by the Recreational Fisheries Data Project. The salmon data are from the Pacific Fishery Management Council website at [www.pcouncil.org/salmon/stock-assessment-and-fishing-evaluation-safe-documents/review-of-2016-ocean-salmon-fisheries/](http://www.pcouncil.org/salmon/stock-assessment-and-fishing-evaluation-safe-documents/review-of-2016-ocean-salmon-fisheries/).

## 2016 Permitting and Environmental Review

- Number of **pre-project review meetings**: **60**
- Number of **environmental documents** reviewed (plans, surveys, reports, permits, public notices etc.): **more than 600**
- Number of **Scientific Collecting Permits** issued: **188**

## 2016 Marine Protected Area Outreach Coordination

- Number of **marine protected area guidebooks** distributed: **27,580**
- Number of **marine protected area brochures** distributed: **11,710**
- Number of **marine protected area information cards** distributed: **3,000**
- Number of students receiving **marine protected area classroom information** through the Parks Online Resources for Teachers and Students program: **17,200**
- Number of **locations distributing MPA publications** statewide: **360**



**During another banner year for recreational tuna fishing, spearfisherman Kevin Skully set a new state spearfishing record for bluefin tuna, which he promptly broke a short while later when he caught another bluefin tuna that was 84 lb. heavier than the first.**

*CDFW file photo*