

# 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

Weight and Ex-Vessel Value of California Commercial Landings in 2016		
Port Area	Pounds	Value
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>

Total Number of Licensed Commercial Vessels and License Fees for April 2016 - March 2017		
	Number Sold	Revenue
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.

California Commercial Landings of Key Groundfish Species (All Gear Types)		
Species	Pounds	Ex-Vessel Value
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
Total	12,670,304	\$19,461,172

<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

Total Recreational Fishing Licenses Sold and Fees <sup>1</sup> Collected in 2016		
	Number Sold	Value
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.

Top Five Types of Trips for Fish Targeted by Anglers in California During 2016, Based on Estimated Number of Angling Fishing Trips		
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 Dolphinfish (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.

Top 10 Types of Fish Commonly Caught by Anglers in California During 2016, Based on Estimated Pounds of Fish Harvested <sup>1</sup>		
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*