



MARINE REGION

2020 BY THE NUMBERS

2020 Marine Region: Area, Staff, and 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.

For the 2019-2020 fiscal year, the Marine Region budget was *\$24,591,697*

As of December 31st, 2020, there were *143* permanent staff and *85* temporary staff positions within the Marine Region.

Cover photo of squid boats taken by CDFW environmental scientist Carrie Wilson

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2020 California Commercial Fishing

Weight and Ex-Vessel Value¹ of Commercial Landings by Port Area

Port Area	Pounds	Ex-Vessel Value
Eureka	12,789,986	\$ 21,454,133
Fort Bragg	4,443,005	\$ 6,502,945
Bodega Bay	3,092,556	\$ 10,431,872
San Francisco	10,185,224	\$ 18,950,240
Monterey	41,959,017	\$ 22,554,718
Morro Bay	1,097,348	\$ 3,072,916
Santa Barbara	9,947,424	\$ 23,828,552
Los Angeles	17,226,045	\$ 16,040,906
San Diego	4,902,630	\$ 11,231,695
Total	105,643,235	\$134,067,977

Data as of 02/26/2021

¹Ex-Vessel Value is the amount paid to the fishermen at the dock.

Data Source: Department's Marine Region, Marine Fisheries Statistical Unit

Top Commercial Fishery Numbers

Total Commercial Landing Fees Collected: **\$826,317**

Top Ex-Vessel Value: **Dungeness crab**

Top Weight: **Market squid**

Commercial Vessels and Revenue for 2020

Type	Numbers Sold	Revenue
Resident Vessel	2,885	\$ 1,095,579
Non-Resident Vessel	309	\$ 352,028
Passenger Fishing Vessel	550	\$ 208,863
Total Vessels	3,744	\$1,656,470
Resident License	5,897	\$ 853,591
Non-Resident License	644	\$ 278,691
Total Licenses	6,541	\$ 1,132,282

Data as of 02/26/2021

Data Source: Department's License and Revenue Branch

Top 2020 Commercial Fisheries by Ex-Vessel Value

Fishery	Pounds	Ex-Vessel Value
Dungeness crab	8,382,714	\$ 30,148,421
Market squid	45,082,311	\$ 26,111,917
California spiny lobster	726,199	\$ 13,862,174
Chinook salmon	1,915,498	\$ 13,848,507
Spot prawn	391,609	\$ 5,779,593
Red sea urchin	1,858,076	\$ 4,608,001
Sablefish	2,770,465	\$ 4,508,704
California halibut	690,015	\$ 3,630, 509
Bigeye tuna	967,086	\$ 3,142,311
Swordfish	706,589	\$ 2,751,411

Data as of 02/26/2021

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

Data source: Department's Marine Region, Marine Fisheries Statistical Unit
[MLDS Statewide Landings by Pounds/Value Report](#)

Top 2020 Commercial Species Landed by Weight

Fishery	Pounds	Ex-Vessel Value
Market squid	45,082,311	\$ 26,111,917
Northern anchovy	12,425,467	\$ 652,394
Dungeness crab	8,382,714	\$ 30,148,421
Pacific sardine	6,314,120	\$ 495,927
Yellowfin tuna	3,770,182	\$ 2,584,578
Dover sole	3,564,365	\$ 1,353,685
Sablefish	2,770,465	\$ 4,508,704
Chinook salmon	1,915,498	\$ 13,848,507
Red sea urchin	1,858,076	\$ 4,608,001
Chilipepper rockfish	1,410,559	\$ 551,270

Data as of 02/26/2021.

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

Data source: Department's Marine Region, Marine Fisheries Statistical Unit

2020 Commercial Landings of Key Groundfish by Species

Species	Pounds	Ex-Vessel Value
Nearshore	326,074	\$ 1,579,630
Shelf and slope rockfish	3,338,033	\$ 2,060,224
Dover sole, thornyheads, sablefish (black cod)	6,891,943	\$ 7,278,246
Remaining Flatfish*	1,461,423	\$ 1,418,633
Other	956,497	\$ 1,069,667
Totals	12,973,970	\$ 13,406,400

*Remaining Flatfish include: arrowtooth flounder (turbot), curlfin sole, English sole, Pacific sanddab, petrale sole, rex sole, rock sole, sand sole, and starry flounder.

Data Source: Department's Marine Landings Database System

2020 California Recreational Fishing

California Recreational Fisheries Survey Sampling

- Data Collected from: **210,000 angler trips**
- Estimated Recreational Fishing Trips in Marine Waters: **2 million**
- Estimated Total Fish Caught: **7.2 million**
- Data Collected from: **507,000 fish and invertebrates**

Data Source: Department's Marine Region, California Recreational Fisheries Survey

Total Recreational Licenses Sold and Fees Collected in 2020

License Type	Numbers Sold	Value
All Recreational Fishing Licenses	1,959,187	\$ 72,069,147
Spiny Lobster Report Card	43,597	\$ 414,172
Ocean Enhancement Validation	302,566	\$ 1,588,472

Note that recreational fishing licenses are valid for ocean and inland fishing in California.
Data Source: Department's License and Revenue Branch

Top Five Types of Fish Targeted by 2020 Recreational Anglers in California Based on Fishing Trips

Rank	Trip-Type and Top Species Targeted ¹	Estimated Number of Angler Trips (thousands)
1	Bottomfish: Rockfish, ocean whitefish, lingcod, basses (kelp/calico bass, and barred sand bass), ocean whitefish, and California scorpionfish	531
2	Inshore: California halibut, Pacific herring, jacksmelt and spotted sand bass	405
3	Coastal Migratory: Chub (Pacific) mackerel, Pacific barracuda, Pacific bonito and yellowtail	170
4	Salmon: Chinook salmon	59
5	Highly Migratory: Yellowfin tuna, bluefin tuna, skipjack tuna, dolphinfish (dorado) and albacore tuna	37

¹For each trip target, the top species targeted are listed based on the estimated total catch for the species or species group.

The CRFS estimates and data were extracted from RecFin database at www.recfin.org and supplemented by CDFW Fisheries Analytics Project. Highly Migratory effort from Commercial Fishing Passenger Fishing Vessel was summed from Marine Log System.

*Due to COVID-19 restrictions, data excludes April, May and June.

Data source: Department's Marine Region Fisheries Analytics Project and Ocean Salmon Project

Top 10 Types of Fish Caught by Recreational Anglers in California Based on Pounds of Fish Harvested¹

Rank	Type of Fish	Estimated Pounds of Fish Caught ¹
1	Tunas (bluefin, yellowfin, albacore and skipjack)	3,088,000
2	Rockfish, greenlings and cabezon	1,731,000
3	Yellowtail	751,000
4	Lingcod	524,000
5	Flatfish (California halibut, sanddabs, soles, Pacific halibut and starry flounder)	484,000
6	Salmon² (Chinook salmon)	442,000
7	Ocean whitefish	228,000
8	Basses (kelp/calico bass, barred sand bass, and spotted sand bass)	185,000
9	California scorpionfish	155,000
10	Chub(Pacific)mackerel	123,000

¹Fish Harvested=fish kept and fish released dead, estimates are preliminary and may differ from what is used for fisheries management. ² Pacific Fishery Management Council (PMFC) uses numbers of salmon harvested for fishery management, numbers were converted to weight in pounds by the Ocean Salmon Project. The CRFS estimates and data were extracted from RecFin database at www.recfin.org and supplemented by CDFW Fisheries Analytics Project. CPFV tuna catch was summed from Marine Log System. *Due to COVID-19 restrictions, data excludes April, May and June. Data source: Department's Marine Region Fisheries Analytics Project and Ocean Salmon Project

Permitting and Environmental Review

- Environmental Documents Reviewed (plans, surveys, reports, permits, etc.): **428**
- Pre-Project Review: **81**
- Aquaculture Registrations Issued: **30**
- Live Import, Restricted Species, and Broodstock Collection Permits, and Letters of Authorization Issued: **67**
- Scientific Collecting Permits Issued/Renewed: **143**
 - Marine Protected Areas with Research Approval: **74**
 - State Marine Reserves: **31**
 - State Marine Conservation Areas: **41**
 - State Marine Recreational Management Areas: **2**

Data source: Department's Marine Region, Environmental Review and Water Quality Project

Additional Marine Region Efforts

- **2** Enhanced Status Reports (ESRs)
- **73** Non-ESR Species-at-a-Glance Summaries
- **8** Management Strategy Evaluations Completed
- **44** Articles on the Marine Management News Published by Marine Region staff
- **300** Marine Region Research Dives

Marine Protected Areas information available at <https://wildlife.ca.gov/Conservation/Marine/MPAs>

Data source: Department's Marine Region

Marine Protected Area Management Project

- Number of MPA Blogs and News Highlights
 - Exploring California's MPAs Published: **10**
 - MPA News Highlights Released: **10**
- Number of Days on Research and Monitoring Trips: **11**
- Number of MPA Underwater Videos Produced: **5**
- Number of MPA Monitoring and Research Conferences and Workshops Attended: **12**
- Number of Partner Outreach Events Attended: **13**
- Number of MPA Management Presentations: **13**
- Number of Scientific Collecting Permits Issued for work within MPAs: **54 (allowing research in 74 individual MPAs)**
- Number of Long-Term Monitoring Projects Underway: **10**
- Number of MPA Outreach Materials Distributed: **5,864**

Data source: Department's Marine Region, Marine Protected Area Management Project