

Marine Life Protection Act Initiative



Draft Regional Profile of the North Central Coast Study Region - Part 2

Presentation to the MLPA North Central Coast Regional Stakeholder Group

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Major Fishing Ports in the NCCSR

- Fort Bragg
 - Point Arena and Anchor Bay Ports
- San Francisco Bay Port Complex
 - (Princeton / Half Moon Bay are reported separate from SFB in the draft profile)
- Bodega Bay Port Complex



Commercial Landings by Port

Port Complex	Port	Average Landings (lbs)	Average Value (\$)
Fort Bragg	Point Arena	1,252,020	\$1,098,343
Bodega Bay	Bodega Bay	4,719,519	\$6,377,114
San Francisco	San Francisco	5,140,240	\$6,775,352
	Princeton-Half Moon Bay	5,400,292	\$6,252,059

Major Commercial Fisheries

Top Fisheries by Pounds

- Dover sole / thornyhead / sablefish (trawl)
- Salmon
- Shelf Rockfish
- Flatfish
- California halibut
- Anchovy, sardine, herring, & mackerel
- Slope rockfish / grenadier

Top Invertebrates by Pounds

- Red Urchin
- Dungeness crab
- Market squid

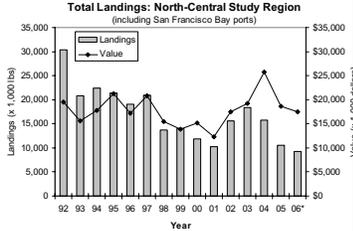




Available Commercial Fisheries Data

Logbook & Landing Receipt Data

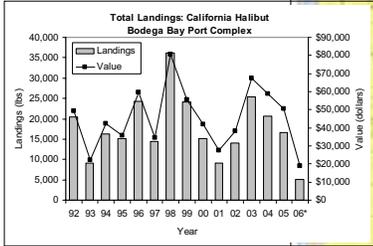
- Spatial catch data
 - 10x10 minute blocks
 - 1 minute microblocks for some species
- Landings by port / market group
- Value of catch
- Pounds landed

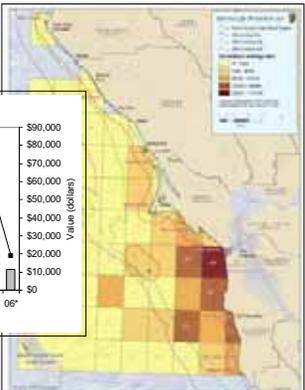





Example: Commercial Fisheries Data

California Halibut Landings (lbs)







Recreational Consumptive User Groups

- Commercial Passenger Fishing Vessels (salmon, rockfish, halibut)
- Private & Rental Skiffs / Boat (salmon, rockfish, halibut)
- Kayak Angling
- Beach / Bank Shorefishing
- Pier / Man-Made Structures Shorefishing
- Spearfishing / Consumptive Diving
- Abalone – Freediving, Shore-picking
- Clamming
- Recreational Dungeness Crab Trapping
- “Subsistence” Fishing
- Recreational Kelp / Algae Harvest





Recreational Fisheries

- **Red Abalone**
 - Free diving and “shore picking”
- **Dungeness crab**
- **Nearshore Finfish**
 - Blue rockfish
 - Black rockfish
 - Lingcod
 - Cabezon
 - Kelp greenling
- **Other Finfish**
 - Sanddabs
 - Pacific mackerel
 - California halibut





Recreational Fishing Areas

Ports

- Bodega Bay, Tomales Bay, Berkeley, Emeryville, San Francisco, Princeton

Important Fishing Locations

- Commercial Passenger Fishing Vessels (CPFV/Party Boats)
 - Fort Ross, Point Reyes, Farallon Islands, between Pillar Point and Pigeon Point
- Private and Rental Skiff
 - Coastline near Bodega Bay, north of San Francisco Bay, around Half Moon Bay
- Shore-Based Anglers, Divers, Kayaks
 - Point Arena, Anchor Bay, Ocean Cove, Timber Cove, Fort Ross, Goat Rock, Doran, Lawson’s Landing, Point Reyes, Baker Beach, Pillar, Princeton, and Half Moon Bay



Recreational Fishing Areas

Boat and launch facilities

- Timber Cove, Westside Ramp, Doran Park, Lawson's Landing, Miller Park, Estuary Park, Oyster Point

Man-Made Structures

- Locations limited in the study region
 - Doran, Lawson's pier, Fort Baker, Pacifica pier, and Princeton pier and jetty



Recreational Fisheries Data Sources

- **California Recreational Fisheries Survey (CRFS)**
 - Comprehensive multiple mode fisheries surveys (onboard observers, port samplers, interviews, phone surveys)
- **Commercial Passenger Fishing Vessel Logbook Data**
- **CDFG Ocean Salmon Project**
 - Includes all ocean salmon catches (commercial and recreational), incorporates CRFS
- **CDFG Abalone Report Card**
- **Stakeholder Input**



Angler Effort for Each CRFS Mode

Estimated total angler days for all target species in 2006

Fishing Mode	Effort (angler days)
CPFVs	66,584
Private and Rental Boats	151,805
Beach and Bank	100,815
Man-Made Structures	280,917

Example of CPFV Data

Commercial Passenger Fishing Vessel Rockfish Landings

*Mean annual landings 2004-2006 of sampled CPFV trips by micro-block. Includes all rockfish and other associated species including lingcod, greenlings, cabezon, and other species.

Example of CRFS Data

Private and Rental Boat Fishing Effort for Trips Targeting Rockfish

*Sampled Recreational Private and Rental Boat Fishing Effort (number of trips targeting Rockfish and associated species) from CRFS 2005. Based on 2,384 sampled trips.

CDFG Ocean Salmon Project

- **Comprehensive Data Collection**
 - Includes all ocean salmon catches (commercial and recreational)
 - Incorporates CRFS
 - Provides estimates of effort and landings
- **Ports**
 - Monterey, San Francisco, Fort Bragg, Eureka, Crescent City



CDFG Abalone Report Card

- **Report Card Required to Harvest Red Abalone**
 - date and nearest location for each abalone legally harvested
 - data available includes catch by relative location, not by mode
- **Port Sampler Surveys to Supplement Report Card**
 - collect information on mode (shore picking, free diving), catch, size, angler effort, and ask harvesters to mark location on map
 - spatial information from port sampler surveys available from 1990-2000



Red Abalone

Recreational Abalone Landings for 2005 From CDFG Abalone Report Card

Number of reported landings is proportional to size of symbol
 *These catch estimates are believed to be lower than the actual number of abalone harvested from these areas due to possible underreporting on abalone punch cards and not submitting punch cards.





Kayak Angling

- **Data Available Limited to Launch Site Information**
- **One Excellent Source of Information**
 - Kayak Fishing Association of Southern California compiled report listing launch sites from Point Conception to Point Arena
 - http://www.dfg.ca.gov/mrd/mlpa/pdfs/comments/kfasc_030805.pdf



Commercial and Recreational Landings

Market Category/Species	Commercial ¹		Recreational ²	
	Pounds	% of Total	Pounds	% of Total
Nearshore Rockfish	TBD		664,655	
Greenling	TBD		120,956	
Lingcod	27,018	6.1	412,463	93.9
Surfperch	10,008	15.2	55,799	84.8
Sharks, Skates & Rays	35,757	50.6	34,954	49.4
Shelf Rockfish	45,699	56.0	35,910	44.0
Salmon (numbers of Fish)	108,850	64.1	61,050	35.9
California Halibut	517,260	85.4	88,707	14.6
Coastal Pelagics ³	364,684	91.7	10,937	2.9
Flatfish Other	568,317	99.9	209	0.1
Dungeness Crab (numbers)	5,194,651	>99.9	1,774	<0.1

¹ CFIS Data

² RECFIN Data, except Salmon from CDFG Salmon Project

³ Pacific sardines, Pacific anchovy and Jack mackerel
