

# 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

<b>Port Complex</b>	<b>Port</b>	<b>Average Landings (lbs)</b>	<b>Average Value (\$)</b>
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

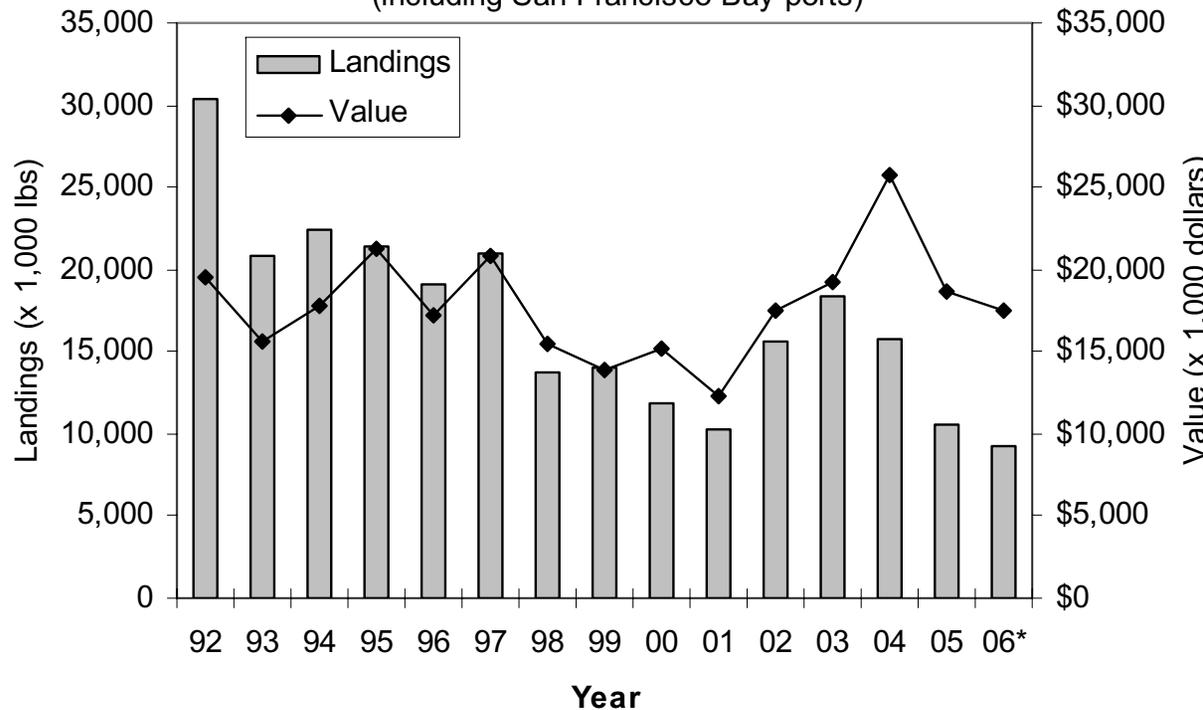


# Available Commercial Fisheries Data

## 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

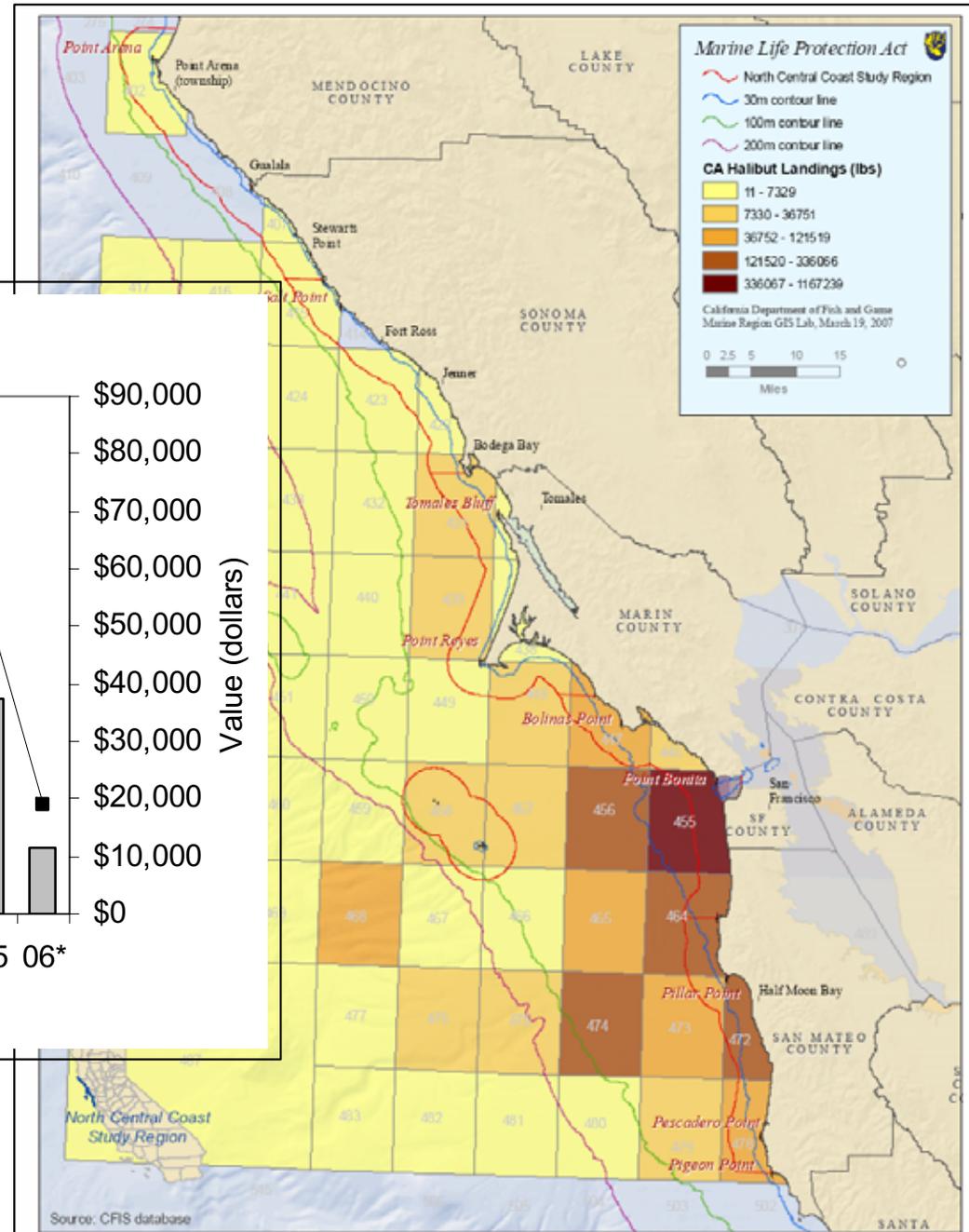
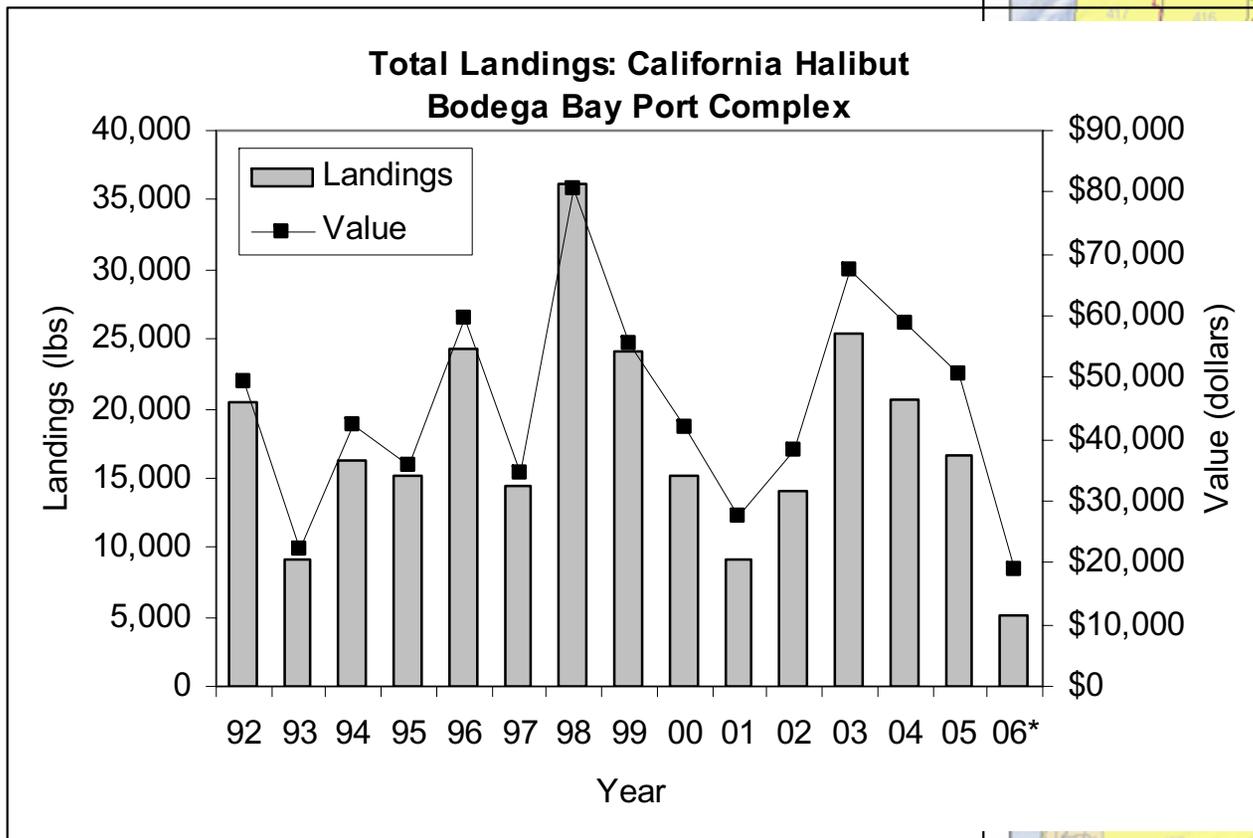
**Total Landings: North-Central Study Region**  
(including San Francisco Bay ports)



# 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

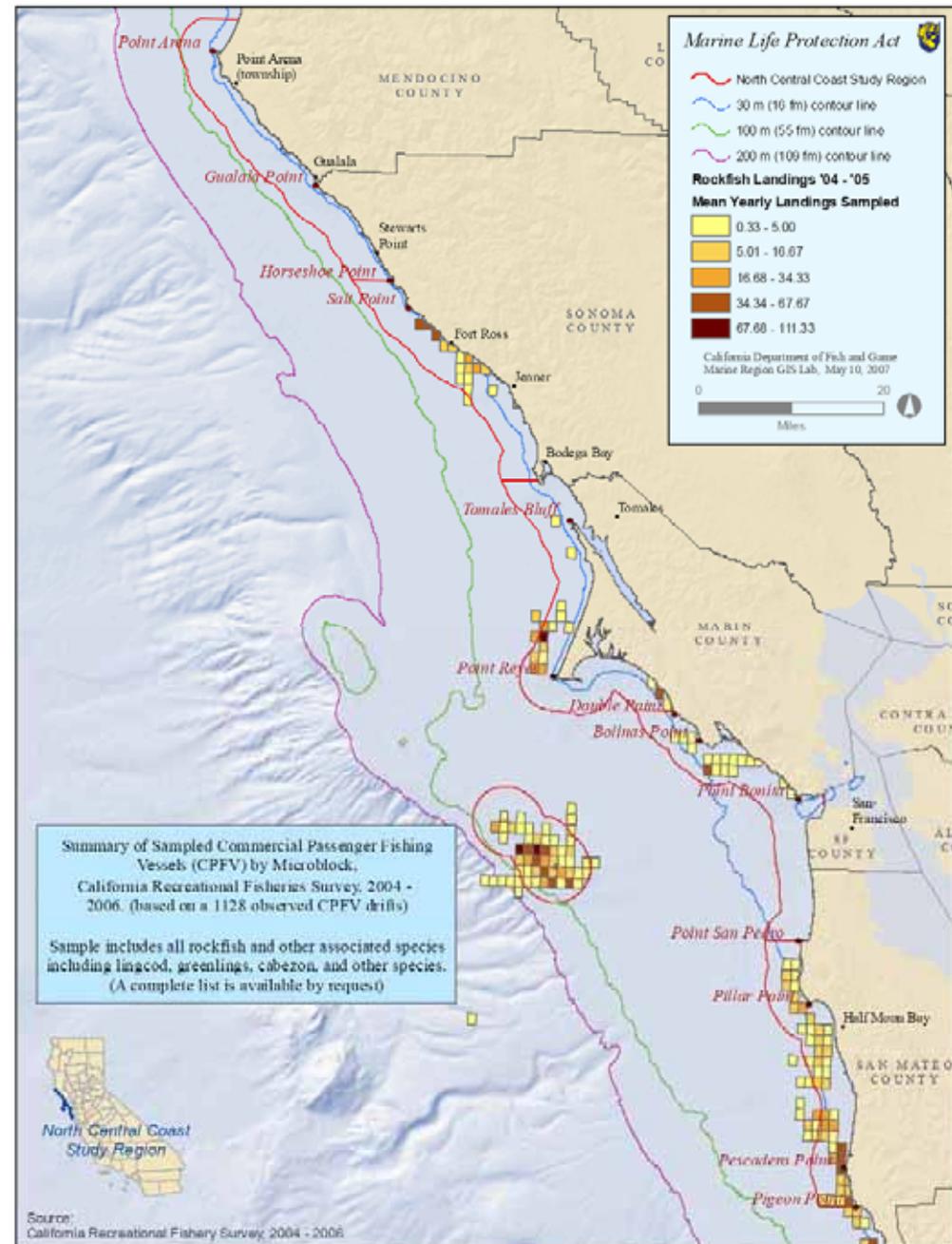
Estimated total angler days for all target species in 2006

<b>Fishing Mode</b>	<b>Effort (angler days)</b>
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

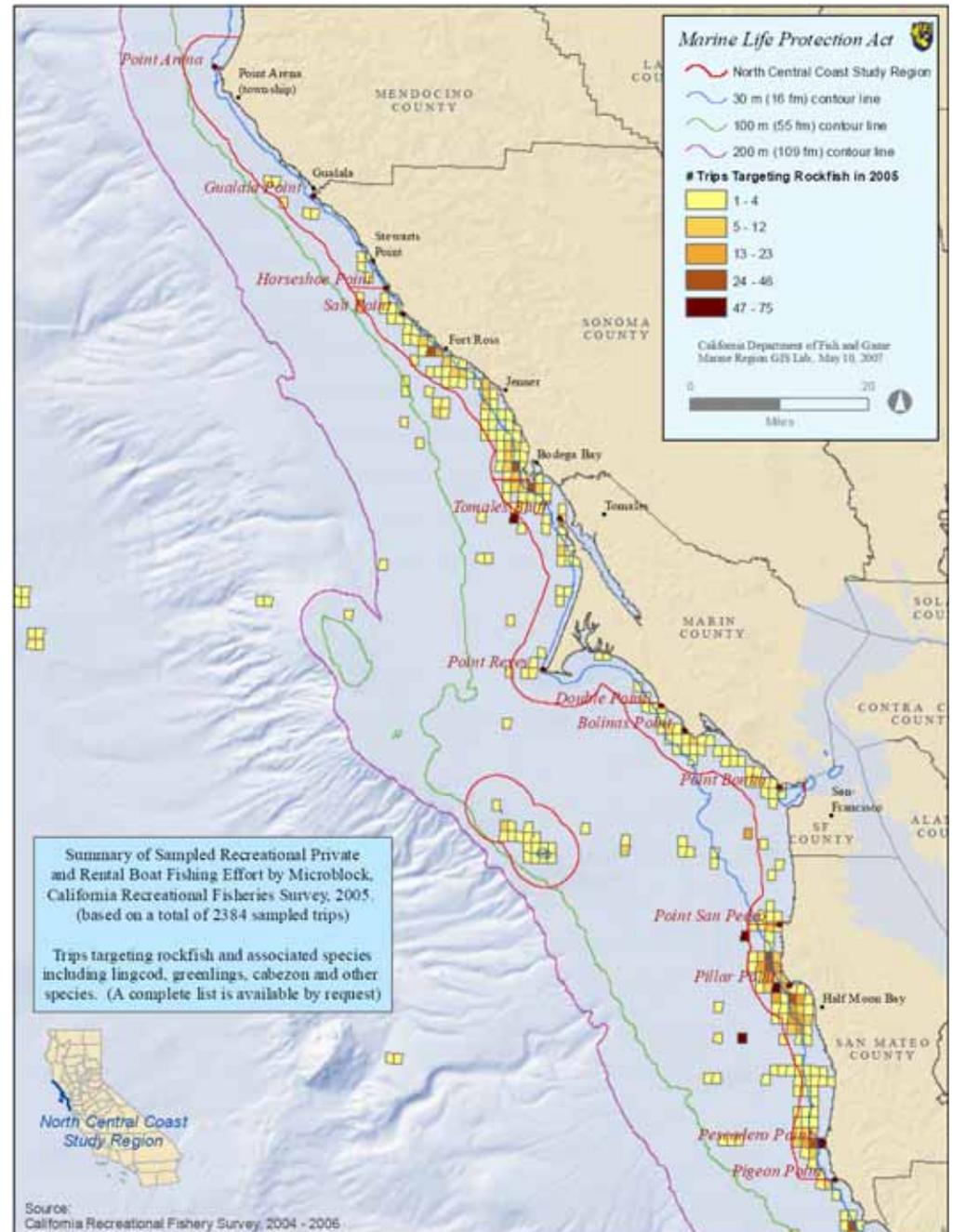
\*Mean annual landings 2004-2006 of sampled CPFV trips by micro-block. Includes all rockfish and other associated species including lingcod, greenlings, cabezon, and other species.



# 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





# 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](http://www.dfg.ca.gov/mrd/mlpa/pdfs/comments/kfasc_030805.pdf)

# Commercial and Recreational Landings

2005 - 2006 Average

Market Category/Species	Commercial <sup>1</sup>		Recreational <sup>2</sup>	
	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 <sup>3</sup>	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

<sup>1</sup> CFIS Data

<sup>2</sup> RECFIN Data, except Salmon from CDFG Salmon Project

<sup>3</sup> Pacific sardines, Pacific anchovy and Jack mackerel