

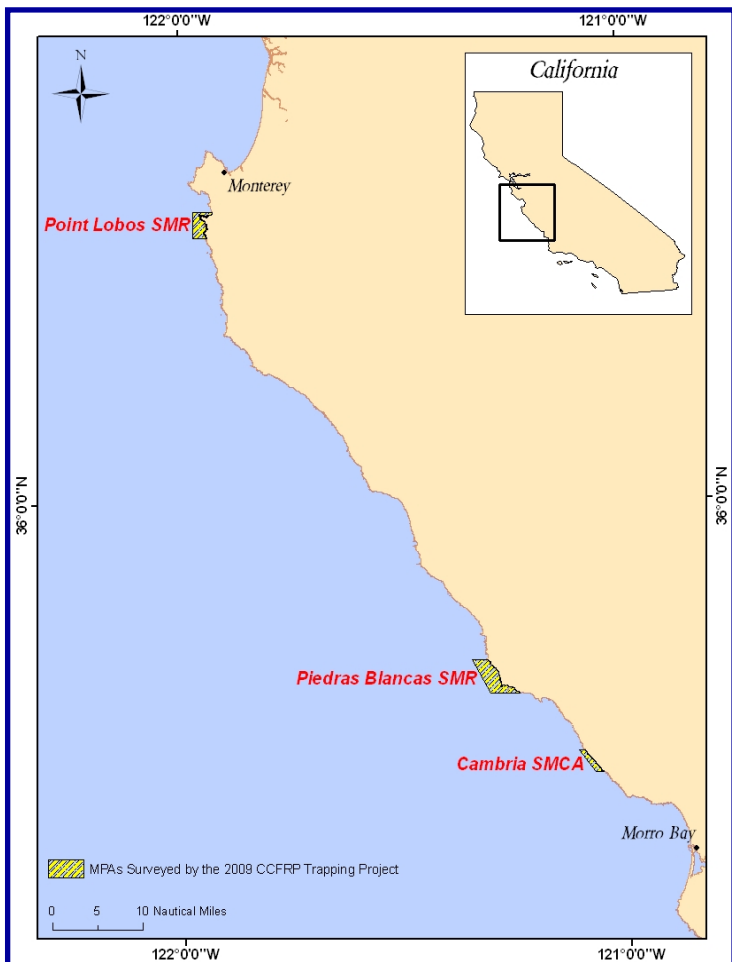


## 2009 Trapping Project Overview

We have successfully completed our second field season! Between the months of July and September, 2009, we completed 24 survey days, gathering data to monitor California marine protected areas (MPAs, see map) using commercial fish traps. This work was a collaborative effort among commercial fishermen in Monterey and Morro Bay, CA and scientists at Moss Landing Marine Laboratories and Cal Poly San Luis Obispo (SLOSEA). This project is part of the CA Collaborative Fisheries Research Program (CCFRP). It complements the CCFRP hook-and-line MPA monitoring surveys that have been conducted annually since 2007.

In 2009, the Point Lobos and Piedras Blancas State Marine Reserves (SMRs), and Cambria State Marine Conservation Area (SMCA) were surveyed. In addition, nearby reference sites were surveyed with equal effort.

The following are preliminary data for the 2009 CCFRP commercial trapping surveys conducted within the marine protected areas (MPA) and corresponding reference sites (REF). Listed are the survey dates and sites, the number (#) of traps set, and number of fishes and invertebrates caught.



<u>Date</u>	<u>Site</u>	<u># Traps</u>	<u># Fishes</u>	<u># Inverts</u>
<b>Point Lobos</b>				
2-Aug	MPA	60	94	122
3-Aug	REF	60	85	96
4-Aug	MPA	60	48	55
5-Aug	REF	60	52	87
1-Sep	REF	40	29	33
2-Sep	MPA	60	77	55
3-Sep	REF	10	8	12
8-Sep	MPA	38	25	25
8-Sep	REF	20	44	17
<b>Totals</b>		<b>408</b>	<b>462</b>	<b>502</b>
<b>Piedras Blancas</b>				
20-Aug	REF	60	43	103
20-Aug	MPA	60	41	71
21-Aug	REF	60	30	79
21-Aug	MPA	60	30	120
14-Sep	MPA	42	37	40
14-Sep	REF	42	27	48
15-Sep	REF	42	41	45
15-Sep	MPA	28	23	17
<b>Totals</b>		<b>394</b>	<b>272</b>	<b>523</b>
<b>Cambria</b>				
23-Jul	REF	60	85	63
24-Jul	MPA	60	118	72
24-Jul	REF	60	60	65
1-Aug	MPA	60	48	65
25-Aug	REF	60	104	84
26-Aug	MPA	60	115	58
31-Aug	REF	60	39	72
1-Sep	MPA	60	32	54
<b>Totals</b>		<b>480</b>	<b>601</b>	<b>533</b>



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## Collaborating Captains

- Giovanni Nevoloso, F/V *Gabbiano*
- Mike Ricketts, F/V *Sea Hawk*
- Roger Cullen, F/V *Dorado*
- Tom Hafer, F/V *Kathryn H*

## 2009 Fish and Invertebrate Catch

### Invertebrates:

Sea Stars: 6-armed, Bat, Giant Pink, Giant Spined, Leather, Rainbow, Smooth Brittlestar, Sunflower

Crabs: Brown Rock, Decorator, Dungeness, Loxorhyncus spp. (photo 1), Northern Kelp (photo 2), Red Rock, Slender, Spider

Other: Blue Top Snail, Dusky Turban Snail, Gumboot Chiton, Black Turban Snail, Purple-ring Top Snail

### Fishes:

Rockfishes: Black-and-Yellow, Blue, Brown, China, Copper, Gopher, Grass, Kelp, Treefish (photo 4)

Other: Cabezon (photo 3), Kelp Greenling, Lingcod, Swell Shark, Wolf Eel

## Some of the Largest Fishes Caught

### Cabezon:

- 52 cm (20 in), caught August 31<sup>st</sup> in the Cambria Reference site
- 49 cm (19 in), caught August 2<sup>nd</sup> in the Point Lobos MPA site
- 49 cm (19 in), caught September 1<sup>st</sup> in the Point Lobos Reference site

### Lingcod:

- 72 cm (28 in), caught August 21<sup>st</sup> in the Piedras Blancas MPA site
- 70 cm (28 in), caught August 4<sup>th</sup> in the Point Lobos MPA site



To learn more about this program, please visit our websites:

[www.slosea.org/collaborative](http://www.slosea.org/collaborative)

and

<http://seagrant.mlml.calstate.edu/research/ccfrp/>