

**NMFS California Set Gillnet Observer Program**  
**Observed Catch**  
**January 1, 2007, through December 31, 2007**

This table summarizes the total catch and final disposition of all species observed caught in the California set gillnet fishery during calendar year 2007.

Data were collected at sea by contract observers, and represent a total of 248 sets. Estimated total fishing effort for the season is 1,387 sets.

Species	Total Caught	Number Kept	Alive	Number Returned Dead	Unknown
Halibut, California	202	156	37	9	0
Seabass, White	1039	1024	0	14	1
Anchovy, Northern	1	0	0	1	0
Barracuda, California	83	79	1	3	0
Bass, Barred Sand	73	0	49	24	0
Bass, Giant Sea	9	6	2	1	0
Bass, Kelp	5	0	4	0	1
Bonito, Pacific	9	9	0	0	0
Cabezon	24	0	21	3	0
Croaker, Yellowfin	6	0	5	1	0
Fish, Other Identified	2	2	0	0	0
Flatfish, Unidentified	2	0	2	0	0
Hake, Pacific	25	0	0	25	0
Halfmoon	2	0	0	2	0
Lingcod	32	0	17	15	0
Lizardfish, California	1	0	0	1	0
Mackerel, Jack	1	0	0	1	0
Mackerel, Pacific	247	11	26	210	0
Midshipman, Specklefin	4	0	4	0	0
Ratfish, Spotted	66	0	36	30	0
Rockfish, Bocaccio	22	0	9	13	0
Rockfish, Bronzespotted	1	0	0	0	1
Rockfish, Canary	1	0	0	0	1
Rockfish, Copper	8	0	1	7	0
Rockfish, Cowcod	4	0	4	0	0
Rockfish, Gopher	3	0	1	2	0
Rockfish, Kelp	1	0	0	1	0
Rockfish, Unidentified	3	0	1	2	0
Rockfish, Vermilion	5	0	1	4	0
Sablefish	2	0	1	1	0
Sanddab, Longfin	9	3	0	6	0
Sanddab, Pacific	4	0	4	0	0
Sardine, Pacific	6	0	0	6	0
Scorpionfish, California	34	12	20	2	0
Sheephead, California	12	0	7	5	0
Sole, English	4	2	2	0	0
Sole, Fantail	2	1	1	0	0
Sole, Rock	2	1	1	0	0
Surfperch, Other Ident.	2	0	0	2	0
Triggerfish, Finescale	1	0	1	0	0
Turbot, Curlfin	3	0	3	0	0
Turbot, Spotted	3	1	2	0	0
Whitefish, Ocean	15	0	13	2	0
Yellowtail	20	19	0	1	0

Dogfish, Spiny	96	2	71	19	4
Guitarfish, Shovelnose	19	17	2	0	0
Ray, Bat	89	0	73	13	3
Ray, California Butterfly	2	0	2	0	0
Shark, Brown Smoothhound	29	1	23	5	0
Shark, Common Thresher	8	5	2	0	1
Shark, Gray Smoothhound	8	4	3	1	0
Shark, Horn	9	0	9	0	0
Shark, Leopard	75	62	10	3	0
Shark, Pacific Angel	20	11	9	0	0
Shark, Prickly	8	0	8	0	0
Shark, Sevengill	1	0	1	0	0
Shark, Shortfin Mako	1	1	0	0	0
Shark, Sixgill	1	0	1	0	0
Shark, Soupfin	32	27	3	2	0
Shark, Swell	297	0	287	9	1
Shark, Unidentified	3	0	2	1	0
Skate, Big	16	0	16	0	0
Skate, California	103	27	74	2	0
Skate, Starry	8	0	7	1	0
Skate, Unidentified	3	0	2	0	1
Thornback	12	0	12	0	0
Crab, Decorator	9	0	5	4	0
Crab, Hermit	3	0	3	0	0
Crab, Marble	14	0	0	14	0
Crab, Northern Kelp	2	0	1	1	0
Crab, Pointer	159	17	44	98	0
Crab, Rock	239	61	51	120	7
Crab, Spider	185	70	60	43	12
Crustacean, Unidentified	20	6	9	5	0
Invertebrate, Unid.	36	9	2	0	25
Lobster, California Spiny	45	0	43	2	0
Mollusk, Unidentified	3	0	3	0	0
Octopus	6	0	6	0	0
Octopus, Unidentified	1	0	0	1	0
Sea Cucumber	15	0	10	0	5
Sea Star	211	0	207	0	4
Sea Urchin	10	0	7	1	2
Snail, Unidentified	5	0	5	0	0
Squid, Jumbo (Humboldt)	874	27	32	753	62
Tunicates, Pelagic	45	0	0	20	25
Whelk	31	0	31	0	0
Cormorant, Brandt's	4	0	0	4	0
Cormorant, Unidentified	1	0	0	1	0
Harbor Seal	2	0	0	2	0
Pinniped, Unidentified	1	0	0	1	0
Sea Lion, California	34	0	0	34	0

**NMFS California Set Gillnet Observer Program**  
**Observed Catch**  
**January 1, 2010, through December 31, 2010**

This table summarizes the total catch and final disposition of all species observed caught in the California set gillnet fishery during calendar year 2010.

Data were collected at sea by contract observers, and represent a total of 216 sets. Estimated total fishing effort for the season is 1,724 sets.

Species	Total Caught	Number Kept	Number Returned		Unknown
			Alive	Dead	
Seabass, White	823	805	5	13	0
Anchovy, Northern	3	0	0	3	0
Barracuda, California	14	8	0	6	0
Bass, Barred Sand	13	2	6	5	0
Bass, Giant Sea	11	8	1	2	0
Bass, Kelp	3	0	2	1	0
Butterfish, Pacific	3	0	2	1	0
Cabazon	17	8	9	0	0
Croaker, White	10	0	1	9	0
Croaker, Yellowfin	3	3	0	0	0
Fish, Other Identified	1	0	1	0	0
Fish, Unidentified	3	0	0	3	0
Flatfish, Unidentified	5	2	2	1	0
Garibaldi	1	0	1	0	0
Hagfish, Pacific	1	0	0	1	0
Hake, Pacific	1	0	0	1	0
Lingcod	3	0	1	2	0
Mackerel, Pacific	1485	6	1	1478	0
Ratfish, Spotted	24	1	16	7	0
Rockfish, Bocaccio	2	0	0	0	2
Rockfish, Brown	1	0	1	0	0
Rockfish, Copper	1	0	1	0	0
Rockfish, Grass	1	1	0	0	0
Rockfish, Treefish	3	0	2	1	0
Rockfish, Unidentified	1	0	0	1	0
Rockfish, Vermilion	7	0	3	4	0
Sanddab, Pacific	10	0	5	5	0
Sanddab, Unidentified	1	0	1	0	0
Sardine, Pacific	4	0	0	4	0
Scorpionfish, California	43	10	31	1	1
Sculpin, Unidentified	5	1	1	3	0
Searobin, Lumptail	1	0	1	0	0
Shad, American	1	0	0	1	0
Sheephead, California	2	1	0	1	0
Sole, Bigmouth	2	0	1	1	0
Sole, Fantail	2	2	0	0	0
Sole, Sand	2	0	1	1	0
Sole, Slender	8	1	0	7	0
Surfperch, Pink	2	0	0	2	0
Turbot, Hornyhead	11	4	4	3	0
Whitefish, Ocean	4	2	0	2	0
Yellowtail	110	110	0	0	0
Dogfish, Spiny	150	12	81	56	1
Guitarfish, Shovelnose	36	22	14	0	0

Ray, Bat	126	52	57	17	0
Ray, California Butterfly	1	0	0	1	0
Ray, Pacific Electric	1	0	1	0	0
Shark, Brown Smoothhound	122	10	51	61	0
Shark, Common Thresher	55	50	3	2	0
Shark, Gray Smoothhound	1	0	0	1	0
Shark, Horn	2	1	1	0	0
Shark, Leopard	52	11	22	18	1
Shark, Pacific Angel	48	21	24	3	0
Shark, Sevengill	2	1	1	0	0
Shark, Shortfin Mako	1	1	0	0	0
Shark, Soupfin	32	5	3	24	0
Shark, Swell	176	0	174	1	1
Shark, White	1	1	0	0	0
Skate, Big	38	1	37	0	0
Skate, California	134	30	88	16	0
Skate, Longnose	24	1	7	16	0
Skate, Starry	2	0	2	0	0
Skate, Unidentified	4	0	3	1	0
Stingray, Round	1	0	1	0	0
Thornback	8	0	8	0	0
Crab, Pointer	241	31	38	172	0
Crab, Rock	134	8	47	75	4
Crab, Sand	2	0	0	2	0
Crab, Spider	198	52	58	87	1
Invertebrate, Unid.	1	0	1	0	0
Lobster, California Spiny	20	2	16	2	0
Octopus, Unidentified	8	0	8	0	0
Sea Cucumber	28	0	6	3	19
Sea Star	7	0	6	1	0
Sea Urchin	7	0	7	0	0
Bird, Unidentified	3	0	0	3	0
Cormorant, Brandt's	1	0	0	1	0
Cormorant, Double-crested	1	0	0	1	0
Cormorant, Unidentified	2	0	2	0	0
Gull, Unidentified	1	0	0	1	0
Murre, Common	2	0	0	2	0
Dolphin, Long-Beaked Common	1	0	0	1	0
Sea Lion, California	25	0	0	25	0
Seal, Harbor	3	0	0	3	0

**NMFS California Set Gillnet Observer Program**  
**Observed Catch**  
**January 1, 2011, through December 31, 2011**

This table summarizes the total catch and final disposition of all species observed caught in the California set gillnet fishery during calendar year 2011.

Data were collected at sea by contract observers, and represent a total of 171 sets. Estimated total fishing effort for the season is 2,123 sets.

Species	Total Caught	Number Kept	Number Returned		
			Alive	Dead	Unknown
Halibut, California	94	82	10	2	0
Seabass, White	656	649	0	7	0
Barracuda, California	42	29	0	13	0
Bass, Barred Sand	4	1	2	1	0
Bass, Giant Sea	1	1	0	0	0
Bass, Kelp	3	0	3	0	0
Cabezon	13	3	8	1	1
Lingcod	2	0	2	0	0
Mackerel, Jack	1	0	0	0	1
Mackerel, Pacific	105	23	0	82	0
Needlefish, California	2	0	2	0	0
Ratfish, Spotted	34	0	2	32	0
Rockfish, Bocaccio	4	0	1	2	1
Rockfish, Canary	1	0	0	1	0
Rockfish, Copper	1	0	0	0	1
Rockfish, Rosy	1	0	0	0	1
Salmon, King	1	0	1	0	0
Salmon, Other Identified	1	0	0	1	0
Sanddab, Pacific	5	1	2	2	0
Sardine, Pacific	3	0	0	3	0
Scorpionfish, California	16	10	6	0	0
Sheephead, California	4	4	0	0	0
Sole, Rex	1	0	0	1	0
Sole, Sand	2	1	0	1	0
Surfperch, Rubberlip	1	0	0	1	0
Tuna, Yellowfin	3	3	0	0	0
Yellowtail	3	3	0	0	0
Dogfish, Spiny	40	0	7	32	1
Ray, Bat	32	1	29	2	0
Ray, Pacific Electric	1	0	0	1	0
Shark, Brown Smoothhound	66	42	13	11	0
Shark, Common Thresher	17	14	1	2	0
Shark, Gray Smoothhound	5	0	4	1	0
Shark, Horn	1	0	1	0	0
Shark, Leopard	11	4	2	4	1
Shark, Pacific Angel	44	19	21	4	0
Shark, Sevengill	1	0	0	1	0
Shark, Shortfin Mako	10	10	0	0	0
Shark, Soupfin	5	0	0	5	0
Shark, Swell	79	0	77	1	1
Shark, Unidentified	1	0	0	1	0
Skate, Big	7	2	5	0	0
Skate, California	6	1	3	2	0

Skate, Longnose	84	25	54	4	1
Crab, California King	7	6	1	0	0
Crab, Pointer	103	0	0	103	0
Crab, Red Rock	18	0	1	17	0
Crab, Rock	124	45	12	67	0
Crab, Spider	246	52	116	76	2
Crab, Unidentified	93	0	5	88	0
Crab, Yellow	2	0	0	2	0
Invertebrate, Unid.	10	0	1	8	1
Lobster, California Spiny	5	0	5	0	0
Sea Cucumber	18	0	4	0	14
Sea Star	32	0	32	0	0
Sea Urchin	3	2	0	1	0
Snail, Unidentified	3	0	3	0	0
Cormorant, Brandt's	4	0	0	4	0
Cormorant, Unidentified	16	0	1	15	0
Sea Lion, California	6	0	1	5	0

**NMFS California Set Gillnet Observer Program**  
**Observed Catch**  
**January 1, 2012, through December 31, 2012**

This table summarizes the total catch and final disposition of all species observed caught in the California set gillnet fishery during calendar year 2012.

Data were collected at sea by contract observers, and represent a total of 250 sets. Estimated total fishing effort for the season is XXXX sets.

Species	Total Caught	Number Kept	Number Returned		
			Alive	Dead	Unknown
Halibut, California	135	106	12	17	0
Seabass, White	293	278	1	14	0
Barracuda, California	20	8	0	12	0
Bass, Barred Sand	7	0	1	6	0
Bass, Giant Sea	5	3	1	1	0
Butterfish, Pacific	3	0	0	3	0
Cabezon	20	2	15	3	0
Croaker, White	1	0	0	1	0
Fish, Unidentified	1	0	0	1	0
Flatfish, Unidentified	2	0	2	0	0
Flounder, Starry	1	0	0	1	0
Fringehead, Sarcastic	1	0	1	0	0
Lingcod	6	1	4	1	0
Lizardfish, California	2	0	0	2	0
Mackerel, Bullet	5	0	0	5	0
Mackerel, Jack	2	0	1	1	0
Mackerel, Pacific	17	1	0	16	0
Mola, Common	2	0	2	0	0
Pipefish, Bay	1	0	1	0	0
Ratfish, Spotted	17	0	0	17	0
Rockfish, Bank	1	0	1	0	0
Rockfish, Brown	1	0	1	0	0
Rockfish, Canary	3	0	3	0	0
Rockfish, Grass	1	1	0	0	0
Sanddab, Pacific	2	0	2	0	0
Sanddab, Speckled	1	0	1	0	0
Scorpionfish, California	57	1	11	45	0
Sculpin, Unidentified	12	0	12	0	0
Sheephead, California	4	0	4	0	0
Sole, Bigmouth	1	0	1	0	0
Sole, English	2	0	1	1	0
Sole, Petrale	1	0	0	1	0
Sole, Slender	2	0	1	1	0
Turbot, Diamond	7	0	7	0	0
Yellowtail	43	43	0	0	0
Dogfish, Spiny	32	0	22	10	0
Guitarfish, Banded	1	0	1	0	0
Guitarfish, Shovelnose	20	18	1	1	0
Ray, Bat	289	206	74	9	0
Ray, Pacific Electric	1	0	1	0	0
Shark, Blue	3	0	3	0	0
Shark, Brown Smoothhound	12	2	7	3	0
Shark, Common Thresher	57	55	1	0	1
Shark, Leopard	40	14	9	17	0

Shark, Pacific Angel	50	20	27	3	0
Shark, Shortfin Mako	4	4	0	0	0
Shark, Soupfin	22	2	14	6	0
Shark, Swell	123	2	120	1	0
Skate, Big	3	0	3	0	0
Skate, California	54	16	38	0	0
Skate, Longnose	115	9	74	32	0
Skate, Starry	9	0	7	1	1
Stingray, Round	7	3	4	0	0
Thornback	44	0	44	0	0
Crab, California King	3	3	0	0	0
Crab, Dungeness	6	0	6	0	0
Crab, Marble	3	0	0	3	0
Crab, Opossum	5	0	3	2	0
Crab, Pointer	67	0	6	61	0
Crab, Rock	600	92	297	211	0
Crab, Sand	2	0	2	0	0
Crab, Spider	216	65	113	38	0
Crab, Unidentified	9	0	2	7	0
Echinoderm, Unidentified	1	0	1	0	0
Lobster, California Spiny	17	0	17	0	0
Octopus, Unidentified	3	0	3	0	0
Sea Cucumber	23	16	5	2	0
Sea Star	50	0	49	0	1
Sea Urchin	1	0	1	0	0
California Sea Lion	18	0	0	18	0
Pelagic Cormorant	1	0	0	1	0
Unidentified Cormorant	3	0	0	3	0



**NMFS California Set Gillnet Observer Program**  
**Observed Catch**  
**January 1, 2013, through December 31, 2013**

This table summarizes the total catch and final disposition of all species observed caught in the California set gillnet fishery during calendar year 2013.

Data were collected at sea by contract observers, and represent a total of 169 sets. Estimated total fishing effort for the season is XXXX sets.

Species	Total Caught	Number Kept	Number Returned		
			Alive	Dead	Unknown
Halibut, California	55	46	4	5	0
Seabass, White	173	161	0	12	0
Barracuda, California	7	0	0	7	0
Bass, Barred Sand	1	0	1	0	0
Bass, Giant Sea	3	3	0	0	0
Bass, Kelp	1	0	0	1	0
Butterfish, Pacific	4	0	0	4	0
Cabezon	3	1	2	0	0
Croaker, Spotfin	1	0	0	1	0
Croaker, White	3	0	2	1	0
Flatfish, Unidentified	1	0	1	0	0
Flounder, Starry	2	2	0	0	0
Lingcod	6	2	3	1	0
Lizardfish, California	1	0	0	1	0
Mackerel, Pacific	14	1	1	12	0
Ratfish, Spotted	26	0	4	22	0
Rockfish, Bank	1	0	0	0	1
Rockfish, Bocaccio	3	0	0	3	0
Salmon, King	8	0	0	8	0
Sardine, Pacific	4	0	0	4	0
Scorpionfish, California	24	22	1	1	0
Sheephead, California	5	4	1	0	0
Sole, English	13	0	11	2	0
Sole, Fantail	5	0	5	0	0
Sole, Sand	1	0	1	0	0
Surfperch, Rubberlip	1	0	0	1	0
Turbot, C-O	4	0	3	1	0
Turbot, Curlfin	3	0	0	3	0
Turbot, Diamond	2	0	2	0	0
Yellowtail	12	12	0	0	0
Dogfish, Spiny	4	0	3	1	0
Guitarfish, Shovelnose	11	9	2	0	0
Ray, Bat	47	9	17	21	0
Ray, Pacific Electric	2	0	1	1	0
Shark, Brown Smoothhound	78	0	34	44	0
Shark, Common Thresher	4	3	1	0	0
Shark, Horn	4	0	4	0	0
Shark, Leopard	12	0	8	4	0
Shark, Pacific Angel	40	9	19	12	0
Shark, Sevengill	1	0	0	1	0
Shark, Soupfin	19	2	6	11	0
Shark, Swell	34	0	34	0	0
Skate, California	23	2	8	13	0
Skate, Longnose	94	24	54	16	0

Thornback	25	0	23	2	0
Crab, California King	2	1	1	0	0
Crab, Northern Kelp	1	0	0	1	0
Crab, Opossum	1	1	0	0	0
Crab, Pointer	41	0	1	40	0
Crab, Red Rock	17	0	0	17	0
Crab, Rock	214	15	128	71	0
Crab, Spider	142	41	38	63	0
Crustacean, Unidentified	23	0	3	20	0
Lobster, California Spiny	8	0	8	0	0
Octopus	2	0	2	0	0
Octopus, Unidentified	6	1	5	0	0
Sea Cucumber	4	0	4	0	0
Sea Star	82	0	82	0	0
Sea Urchin	5	0	4	1	0
Whelk	60	17	43	0	0
Cormorant, Brandt's	2	0	0	2	0
Cormorant, Unidentified	1	0	1	0	0
Murre, Common	1	0	0	1	0

**NMFS California Set Gillnet Observer Program**  
**Observed Catch**  
**January 1, 2017, through December 31, 2017**

This table summarizes the total catch and final disposition of all species observed caught in the California set gillnet fishery during calendar year 2017.

Data were collected at sea by contract observers, and represent a total of 204 sets. Estimated total fishing effort for the season is XXXX sets.

Species	Total Caught	Number Kept	Number Returned		
			Alive	Dead	Unknown
Halibut, California	513	488	10	15	0
Seabass, White	65	58	0	7	0
Mackerel, Pacific	486	186	0	300	0
Lingcod	19	2	6	11	0
Butterfish, Pacific	15	12	3	0	0
Sole, Fantail	12	3	6	3	0
Barracuda, California	11	10	0	1	0
Sardine, Pacific	10	0	0	10	0
Sole, Slender	9	1	8	0	0
Yellowtail	8	5	0	3	0
Sole, English	6	0	6	0	0
Bass, Giant Sea	5	5	0	0	0
Shad, American	5	4	0	1	0
Sole, Rock	5	5	0	0	0
Bass, Barred Sand	3	0	3	0	0
Flatfish, Unidentified	3	1	1	1	0
Flounder, Starry	3	3	0	0	0
Lizardfish, California	3	2	1	0	0
Sole, Petrale	3	3	0	0	0
Bonito, Pacific	2	1	0	1	0
Rockfish, Copper	2	0	1	1	0
Rockfish, Vermilion	2	1	0	1	0
Hake, Pacific	1	0	0	1	0
Sheephead, California	1	0	0	1	0
Sole, Bigmouth	1	0	1	0	0
Turbot, Hornyhead	1	0	1	0	0
Fish, Unidentified	1	0	0	1	0
Skate, California	181	34	146	1	0
Shark, Pacific Angel	139	45	86	8	0
Ray, Bat	89	28	45	15	1
Shark, Swell	74	50	21	3	0
Skate, Longnose	68	19	42	3	4
Dogfish, Spiny	35	7	26	2	0
Ratfish, Spotted	34	1	7	26	0
Shark, Brown Smoothhound	32	0	22	10	0
Shark, Leopard	24	15	6	3	0
Shark, Soupfin	16	4	5	7	0
Guitarfish, Shovelnose	10	2	8	0	0
Shark, Horn	10	3	6	1	0
Thornback	10	1	8	1	0
Stingray, Round	9	0	8	1	0
Shark, Gray Smoothhound	6	4	2	0	0

Ray, California Butterfly	5	0	5	0	0
Shark, Common Thresher	3	3	0	0	0
Skate, Other Identified	3	0	3	0	0
Shark, Sevengill	1	0	0	1	0
Shark, Shortfin Mako	1	1	0	0	0
Skate, Big	1	0	1	0	0
Whelk	286	120	149	5	12
Crab, Rock	190	0	11	178	1
Crab, Spider	179	41	24	114	0
Crab, Red Rock	145	1	10	131	3
Crab, Yellow	137	2	55	78	2
Crab, Pointer	89	6	31	52	0
Crab, Dungeness	10	0	2	8	0
Lobster, California Spiny	8	0	8	0	0
Crab, California King	2	1	1	0	0
Crab, Marble	2	0	2	0	0
Crab, Unidentified	5	0	5	0	0
Octopus, Unidentified	1	0	1	0	0
Unidentified Gull	1	0	0	1	0
California Sea Lion	7	0	0	7	0
Harbor Seal	4	0	0	4	0
Short Beak Common Dolphin	2	0	0	2	0
Long Beak Common Dolphin	1	0	0	1	0