

TABLE 6.5.1a WEST COAST REGION FISH BYCATCH BY FISHERY (2011) Fishery bycatch ratio = bycatch / (bycatch + landings). ^{1,3}

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
California Halibut Trawl						
American shad	<i>Alosa sapidissima</i>	2011	142.73	POUND	0.52	
Anchovy (unidentified)	Engraulidae	2011	34.22	POUND	0.31	
Armed box crab	<i>Platymera gaudichaudii</i>	2011	426.66	POUND	0.20	
Barred sand bass	<i>Paralabrax nebulifer</i>	2011	519.44	POUND	0.19	
Bat ray	<i>Myliobatis californica</i>	2011	134,655.17	POUND	0.23	
Big skate	<i>Raja binoculata</i>	2011	80,190.11	POUND	0.16	
Bluntnose sevengill shark	<i>Notorynchus cepedianus</i>	2011	488.82	POUND	0.57	
Bluntnose sixgill shark	<i>Hexanchus griseus</i>	2011	21.25	POUND	0.10	
Brown rockfish - Pacific Coast	<i>Sebastes auriculatus</i>	2011	7.38	POUND	0.15	
Brown smoothhound shark	<i>Mustelus henlei</i>	2011	6,383.56	POUND	0.22	
Buffalo sculpin	<i>Enophrys bison</i>	2011	3.98	POUND	0.27	
Calico rockfish	<i>Sebastes dallii</i>	2011	0.32	POUND	0.10	
California halibut	<i>Paralichthys californicus</i>	2011	13,402.26	POUND	0.14	
California lizardfish	<i>Synodus lucioceps</i>	2011	35.51	POUND	0.36	
California scorpionfish	<i>Scorpaena guttata</i>	2011	603.23	POUND	0.33	
California skate	<i>Raja inornata</i>	2011	13,377.86	POUND	0.16	
California tonguefish	<i>Symphurus atricaudus</i>	2011	38.27	POUND	0.61	
Chinook salmon	<i>Oncorhynchus tshawytscha</i>	2011	44.09	POUND		
Copper rockfish	<i>Sebastes caurinus</i>	2011	4.49	POUND	0.10	
Crab (unidentified)	Brachyura	2011	221.84	POUND	0.56	
Curlfin sole	<i>Pleuronichthys decurrens</i>	2011	620.63	POUND	0.21	
Decorator/spider crab (unidentified)	Majoidea	2011	418.31	POUND	0.51	
Dungeness crab	<i>Cancer magister</i>	2011	144,522.27	POUND	0.14	
English sole - Pacific Coast	<i>Parophrys vetulus</i>	2011	3,118.39	POUND	0.22	
Fantail sole	<i>Xystreureys liolepis</i>	2011	1,059.37	POUND	0.17	
Flatfishes (unidentified)	Pleuronectiformes	2011	1,358.00	POUND	0.37	
Giant sea bass	<i>Stereolepis gigas</i>	2011	97.60	POUND	0.10	
Graceful crab	<i>Cancer gracilis</i>	2011	10,397.33	POUND	0.14	
Green sturgeon	<i>Acipenser medirostris</i>	2011	435.28	POUND		a
Horn shark	<i>Heterodontus francisci</i>	2011	30.50	POUND	0.10	
Hornyhead turbot	<i>Pleuronichthys verticalis</i>	2011	2,572.11	POUND	0.14	
Jellyfish (unidentified)	Scyphozoa	2011	89,500.66	POUND	0.32	
Leopard shark	<i>Triakis semifasciata</i>	2011	12,168.70	POUND	0.49	
Lingcod - Pacific Coast	<i>Ophiodon elongatus</i>	2011	475.27	POUND	0.29	
Longfin sanddab	<i>Citharichthys xanthostigma</i>	2011	8.99	POUND	0.37	
Longfin smelt	<i>Spirinchus thaleichthys</i>	2011	27.42	POUND	0.74	
Longnose skate - Pacific Coast	<i>Raja rhina</i>	2011	482.84	POUND	0.62	
Longspine combfish	<i>Zaniolepis latipinnis</i>	2011	1,066.56	POUND	0.41	

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Midshipman (toadfish) (unidentified)	Porichthys	2011	295.68	POUND	0.22	
Northern anchovy	Engraulis mordax	2011	74.93	POUND	0.68	
Octopus (unidentified)	Octopoda	2011	35.76	POUND	0.29	
Other identified fish		2011	192.94	POUND	0.56	
Pacific angel shark	Squatina californica	2011	1,524.62	POUND	0.35	
Pacific chub mackerel	Scomber japonicus	2011	1.61	POUND	0.10	
Pacific electric ray	Torpedo californica	2011	1,296.87	POUND	0.20	
Pacific herring	Clupea pallasii	2011	19.20	POUND	0.23	
Pacific pompano	Peprilus simillimus	2011	27.93	POUND	0.33	
Pacific rock crab	Cancer antennarius	2011	38.52	POUND	0.19	
Pacific sanddab - Pacific Coast	Citharichthys sordidus	2011	3,135.98	POUND	0.20	
Pacific sardine - Pacific Coast	Sardinops sagax	2011	3.08	POUND	0.12	
Pacific staghorn sculpin	Leptocottus armatus	2011	89.83	POUND	0.25	
Petrale sole - Pacific Coast	Eopsetta jordani	2011	143.50	POUND	0.24	
Pile surfperch	Rhacochilus vacca	2011	1.61	POUND	0.10	
Pink seaperch	Zalembeus rosaceus	2011	44.43	POUND	0.48	
Plainfin midshipman	Porichthys notatus	2011	53.93	POUND	0.19	
Poachers (unidentified)	Agonidae	2011	3.21	POUND	0.44	
Purple globe crab	Randallia ornata	2011	3.21	POUND	0.10	
Red rock crab	Cancer productus	2011	264.41	POUND	0.17	
Rock sole	Paraplagusia bilineata	2011	93.68	POUND	0.75	
Rubberlip surfperch	Rhacochilus toxotes	2011	10.08	POUND	0.10	
Sand sole - Pacific Coast	Psettichthys melanostictus	2011	1,525.39	POUND	0.27	
Sanddabs (unidentified)	Citharichthys	2011	268.07	POUND	0.10	
Sculpins (unidentified)	Cottidae	2011	347.94	POUND	0.17	
Sea cucumbers (unidentified)	Holothuroidea	2011	35.96	POUND	0.26	
Sharks (unidentified)	Elasmobranchii	2011	2,600.42	POUND	0.36	
Sheep crab	Loxorhynchus grandis	2011	1,832.82	POUND	0.23	
Shovelnose guitarfish	Rhinobatos productus	2011	4,622.97	POUND	0.30	
Shrimp (unidentified)	Decapoda	2011	49.05	POUND	0.30	
Skates (unidentified)	Rajidae	2011	4,648.66	POUND	0.59	
Slender sole	Lyopsetta exilis	2011	3.21	POUND	0.19	
Smelt (unidentified)	Osmeriformes	2011	9.82	POUND	0.29	
Speckled sanddab	Citharichthys stigmaeus	2011	67.42	POUND	0.29	
Specklefin midshipman	Porichthys myriaster	2011	99.52	POUND	0.28	
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	1,184.00	POUND	0.39	
Spotfin surfperch	Hyperprosopon anale	2011	9.82	POUND	0.10	
Spotted ratfish	Hydrolagus coliei	2011	157.31	POUND	0.59	
Squids	Teuthida	2011	130.92	POUND	0.39	
Starry flounder - Pacific Coast	Platichthys stellatus	2011	9,538.54	POUND	0.24	
Starry skate	Raja stellulata	2011	281.10	POUND	0.19	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Surfperch (unidentified)	Embiotocidae	2011	20.23	POUND	0.41	
Swell shark	Cephaloscyllium ventriosum	2011	117.18	POUND	0.17	
Thornback	Platyrhinoidis triseriata	2011	1,693.74	POUND	0.28	
Thresher shark	Alopias vulpinus	2011	464.87	POUND	0.10	
Tope	Galeorhinus galeus	2011	3,582.48	POUND	0.29	
White croaker	Genyonemus lineatus	2011	4,709.85	POUND	0.32	
White seabass	Atractoscion nobilis	2011	64.21	POUND	0.71	
White surfperch	Phanerodon furcatus	2011	3.21	POUND	0.10	
Whitebait smelt	Allosmerus elongatus	2011	0.32	POUND	0.10	
Yellow rock crab	Cancer anthonyi	2011	1,198.63	POUND	0.15	
TOTAL FISHERY BYCATCH			565,584.09	POUND		
TOTAL FISHERY LANDINGS			211,538.40	POUND		
TOTAL CATCH (Bycatch + Landings)			777,122.49	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.73			
California Halibut/White Seabass and Other Species Set Gillnet (>3.5 in Mesh)						
Armed box crab	Platymera gaudichaudii	2011	2,157.00	INDIVIDUAL	0.42	
Barred sand bass	Paralabrax nebulifer	2011	63.00	INDIVIDUAL	0.56	
Bat ray	Myliobatis californica	2011	649.00	INDIVIDUAL	0.36	
Big skate	Raja binoculata	2011	105.00	INDIVIDUAL	0.71	
Bluntnose sevengill shark	Notorynchus cepedianus	2011	21.00	INDIVIDUAL	0.99	
Bocaccio - Southern Pacific Coast	Sebastes paucispinis	2011	84.00	INDIVIDUAL	0.76	
Brown smoothhound shark	Mustelus henlei	2011	503.00	INDIVIDUAL	0.48	
Cabezon - Southern Pacific Coast	Scorpaenichthys marmoratus	2011	209.00	INDIVIDUAL	0.99	
California halibut	Paralichthys californicus	2011	251.00	INDIVIDUAL	0.43	
California needlefish	Strongylura exilis	2011	42.00	INDIVIDUAL	0.96	
California scorpionfish - Southern California	Scorpaena guttata	2011	126.00	INDIVIDUAL	0.56	
California skate	Raja inornata	2011	105.00	INDIVIDUAL	0.65	
California spiny lobster	Panulirus interruptus	2011	105.00	INDIVIDUAL	0.62	
Canary rockfish - Pacific Coast	Sebastes pinniger	2011	21.00	INDIVIDUAL	0.99	
Chinook salmon	Oncorhynchus tshawytscha	2011	21.00	INDIVIDUAL	0.97	
Copper rockfish	Sebastes caurinus	2011	21.00	INDIVIDUAL	0.98	
Crab (unidentified)	Brachyura	2011	1,948.00	INDIVIDUAL	0.44	
Gray smoothhound shark	Mustelus californicus	2011	105.00	INDIVIDUAL	0.79	
Horn shark	Heterodontus francisci	2011	21.00	INDIVIDUAL	0.99	
Jack mackerel - Pacific Coast	Trachurus symmetricus	2011	21.00	INDIVIDUAL	0.98	
Kelp bass	Paralabrax clathratus	2011	63.00	INDIVIDUAL	0.95	
King crab (unidentified)	Lithodidae	2011	21.00	INDIVIDUAL	0.99	
Leopard shark	Triakis semifasciata	2011	147.00	INDIVIDUAL	0.34	
Lingcod - Pacific Coast	Ophiodon elongatus	2011	42.00	INDIVIDUAL	0.70	
Longnose skate - Pacific Coast	Raja rhina	2011	1,236.00	INDIVIDUAL	0.43	
Pacific angel shark	Squatina californica	2011	524.00	INDIVIDUAL	0.26	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Pacific barracuda	Sphyaena argentea	2011	272.00	INDIVIDUAL	0.72	
Pacific chub mackerel - Pacific Coast	Scomber japonicus	2011	1,717.00	INDIVIDUAL	0.50	
Pacific electric ray	Torpedo californica	2011	21.00	INDIVIDUAL	0.98	
Pacific sanddab - Pacific Coast	Citharichthys sordidus	2011	84.00	INDIVIDUAL	0.81	
Pacific sardine - Pacific Coast	Sardinops sagax	2011	63.00	INDIVIDUAL	0.95	
Rex sole - Pacific Coast	Glyptocephalus zachirus	2011	21.00	INDIVIDUAL	0.98	
Rock crabs	Decapoda	2011	1,655.00	INDIVIDUAL	0.29	
Rosy rockfish	Sebastes rosaceus	2011	21.00	INDIVIDUAL	0.99	
Rubberlip seaperch	Rhacochilus toxotes	2011	21.00	INDIVIDUAL	0.99	
Salmon (unidentified)	Oncorhynchus	2011	21.00	INDIVIDUAL	0.98	
Sand sole - Pacific Coast	Psettichthys melanostictus	2011	21.00	INDIVIDUAL	0.99	
Sea cucumbers	Holothuriidae	2011	377.00	INDIVIDUAL	0.62	
Sea stars	Asteroidea	2011	670.00	INDIVIDUAL	0.31	
Sea urchins	Echinoidea	2011	21.00	INDIVIDUAL	0.99	
Sharks (unidentified)	Elasmobranchii	2011	21.00	INDIVIDUAL	0.98	
Snail (unidentified)	Gastropoda	2011	63.00	INDIVIDUAL	0.97	
Soupfin shark	Galeorhinus galeus	2011	105.00	INDIVIDUAL	0.50	
Spider crabs	Decapoda	2011	4,063.00	INDIVIDUAL	0.88	
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	838.00	INDIVIDUAL	0.43	
Spotted ratfish	Hydrolagus colliei	2011	712.00	INDIVIDUAL	0.64	
Swell shark	Cephaloscyllium ventriosum	2011	1,655.00	INDIVIDUAL	0.54	
Thresher shark	Alopias vulpinus	2011	63.00	INDIVIDUAL	0.55	
White seabass	Atractoscion nobilis	2011	147.00	INDIVIDUAL	0.81	
TOTAL FISHERY BYCATCH			21,263.00	INDIVIDUAL		
TOTAL FISHERY LANDINGS			467,317.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)					**	
California/Oregon Drift Gillnet (Mesh Size >14 in) for Swordfish and Thresher Shark						
Albacore - North Pacific	Thunnus alalunga	2011	26.00	INDIVIDUAL	0.67	
Bay pipefish	Syngnathus leptorhynchus	2011	5.00	INDIVIDUAL	0.94	
Blue shark - North Pacific	Prionace glauca	2011	236.00	INDIVIDUAL	0.29	
Bluefin tuna	Thunnus thynnus	2011	92.00	INDIVIDUAL	0.80	
Bullet mackerel	Auxis rochei	2011	21.00	INDIVIDUAL	0.97	
Jack mackerel - Pacific Coast	Trachurus symmetricus	2011	10.00	INDIVIDUAL	0.95	
Jumbo squid	Dosidicus gigas	2011	21.00	INDIVIDUAL	0.96	
Oarfish	Regalecus glesne	2011	5.00	INDIVIDUAL	0.97	
Ocean sunfish	Mola mola	2011	1,821.00	INDIVIDUAL	0.36	
Opah - Pacific	Lampris guttatus	2011	10.00	INDIVIDUAL	0.68	
Pacific chub mackerel - Pacific Coast	Scomber japonicus	2011	103.00	INDIVIDUAL	0.55	
Pelagic stingray	Pteroplatytrygon violacea	2011	10.00	INDIVIDUAL	0.66	
Salmon shark	Lamna ditropis	2011	10.00	INDIVIDUAL	0.97	
Shortfin mako	Isurus oxyrinchus	2011	26.00	INDIVIDUAL	0.47	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Skipjack tuna	Katsuwonus pelamis	2011	5.00	INDIVIDUAL	1.02	
Swordfish - North Pacific	Xiphias gladius	2011	5.00	INDIVIDUAL	0.96	
Thresher shark	Alopias vulpinus	2011	82.00	INDIVIDUAL	0.86	
TOTAL FISHERY BYCATCH			2,488.00	INDIVIDUAL		
TOTAL FISHERY LANDINGS			387,964.00	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			**			
California/Oregon Nearshore Rockfish						
Bat ray	Myliobatis californica	2011	634.29	POUND	0.35	
Big skate	Raja binoculata	2011	63.98	POUND	0.07	
Black rockfish	Sebastes melanops	2011	13,170.79	POUND	0.18	
Black-and-yellow rockfish	Sebastes chrysomelas	2011	4,281.07	POUND	0.34	
Blue rockfish	Sebastes mystinus	2011	23,876.37	POUND	0.13	
Brown box crab	Lopholithodes foraminatus	2011	89.75	POUND	0.21	
Brown rockfish - Pacific Coast	Sebastes auriculatus	2011	2,949.90	POUND	0.22	
Brown smoothhound shark	Mustelus henlei	2011	2,016.33	POUND	0.40	
Buffalo sculpin	Enophrys bison	2011	1,686.47	POUND	0.41	
Cabezon	Scorpaenichthys marmoratus	2011	18,487.31	POUND	0.20	
Calico rockfish	Sebastes dallii	2011	337.69	POUND	0.20	
Canary rockfish	Sebastes pinniger	2011	56,269.79	POUND	0.17	
China rockfish	Sebastes nebulosus	2011	7,051.49	POUND	0.18	
Chinook salmon	Oncorhynchus tshawytscha	2011	110.23	POUND		
Chiton (unidentified)	Polyplacophora	2011	87.11	POUND	0.18	
Coho salmon	Oncorhynchus kisutch	2011	529.10	POUND		
Copper rockfish	Sebastes caurinus	2011	1,082.79	POUND	0.27	
Decorator/spider crab (unidentified)	Majoidea	2011	129.47	POUND	0.14	
Dungeness crab	Cancer magister	2011	220.37	POUND	0.10	
Flag rockfish	Sebastes rubrivinctus	2011	19.82	POUND	0.96	
Gopher rockfish	Sebastes carnatus	2011	15,253.97	POUND	0.15	
Grass rockfish	Sebastes rastrelliger	2011	373.12	POUND	0.58	
Greenstriped rockfish	Sebastes elongatus	2011	9.91	POUND	0.21	
Hagfish (unidentified)	Myxinidae	2011	186.32	POUND	0.32	
Invertebrates (unidentified)		2011	4,673.55	POUND	0.27	
Kelp greenling	Hexagrammos decagrammus	2011	25,998.52	POUND	0.15	
Kelp rockfish	Sebastes atrovirens	2011	606.44	POUND	0.57	
Lingcod - Pacific Coast	Ophiodon elongatus	2011	146,936.13	POUND	0.09	
Octopus (unidentified)	Octopoda	2011	1,194.40	POUND	0.56	
Olive rockfish	Sebastes serranoides	2011	998.09	POUND	0.34	
Other identified fish		2011	15.06	POUND	0.77	
Pacific chub mackerel	Scomber japonicus	2011	44.98	POUND	0.12	
Pacific hagfish	Eptatretus stoutii	2011	19.82	POUND	0.21	
Pacific halibut	Hippoglossus stenolepis	2011	6,785.49	POUND	0.14	

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Pacific rock crab	Cancer antennarius	2011	1,246.81	POUND	0.32	
Pacific sanddab - Pacific Coast	Citharichthys sordidus	2011	202.82	POUND	0.15	
Pacific staghorn sculpin	Leptocottus armatus	2011	28.34	POUND	0.12	
Petrale sole - Pacific Coast	Eopsetta jordani	2011	73.04	POUND	0.32	
Quillback rockfish	Sebastes maliger	2011	187.85	POUND	0.33	
Red irish lord sculpin	Hemilepidotus hemilepidotus	2011	244.40	POUND	0.12	
Red rock crab	Cancer productus	2011	1,351.63	POUND	0.24	
Rock sole	Paraplagusia bilineata	2011	136.37	POUND	0.63	
Rosethorn rockfish	Sebastes helvomaculatus	2011	44.98	POUND	0.12	
Rosy rockfish	Sebastes rosaceus	2011	731.71	POUND	0.33	
Sand sole - Pacific Coast	Psettichthys melanostictus	2011	1,212.58	POUND	0.18	
Sculpins (unidentified)	Cottidae	2011	4,327.29	POUND	0.13	
Sea anemones (unidentified)	Actiniaria	2011	134.89	POUND	0.19	
Sea cucumbers (unidentified)	Holothuroidea	2011	393.35	POUND	0.17	
Sea stars	Asteroidea	2011	70,459.56	POUND	0.15	
Sharks (unidentified)	Elasmobranchii	2011	1,014.68	POUND	0.42	
Sheep crab	Loxorhynchus grandis	2011	215.85	POUND	0.19	
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	8,296.66	POUND	0.41	
Spotted ratfish	Hydrolagus collicie	2011	136.18	POUND	0.10	
Starry rockfish	Sebastes constellatus	2011	90.53	POUND	0.88	
Starry skate	Raja stellulata	2011	179.94	POUND	0.12	
Surfperch (unidentified)	Embiotocidae	2011	9.84	POUND	0.07	
Swell shark	Cephaloscyllium ventriosum	2011	3,001.38	POUND	0.51	
Treefish	Sebastes serripes	2011	51.73	POUND	0.70	
Vermilion rockfish	Sebastes miniatus	2011	998.28	POUND	0.42	
White croaker	Genyonemus lineatus	2011	9.00	POUND	0.84	
Widow rockfish - Pacific Coast	Sebastes entomelas	2011	29.37	POUND	0.55	
Wolf-eel	Anarrhichthys ocellatus	2011	1,457.46	POUND	0.14	
Yellow rock crab	Cancer anthonyi	2011	76.02	POUND	0.12	
Yelloweye rockfish - Pacific Coast	Sebastes ruberrimus	2011	3,626.57	POUND	0.14	
Yellowtail rockfish	Sebastes flavidus	2011	3,305.06	POUND	0.19	
TOTAL FISHERY BYCATCH			439,464.09	POUND		
TOTAL FISHERY LANDINGS			1,044,675.20	POUND		
TOTAL CATCH (Bycatch + Landings)			1,484,139.29	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.30			
Washington/Oregon/California Pink Shrimp						
Aleutian skate	Bathyraja aleutica	2011	0.37	POUND	0.02	
American shad	Alosa sapidissima	2011	258.95	POUND	0.16	
Anchovy (unidentified)	Engraulidae	2011	97.85	POUND	0.12	
Arrowtooth flounder - Pacific Coast	Reinhardtius stomias	2011	16,561.94	POUND	0.06	
Aurora rockfish	Sebastes aurora	2011	257.76	POUND	0.64	

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Bank rockfish	Sebastes rufus	2011	0.73	POUND	0.02	
Barnacles (unidentified)	Cirripedia	2011	0.95	POUND	0.38	
Barracudinas (unidentified)	Paralepididae	2011	0.15	POUND	0.02	
Big skate	Raja binoculata	2011	1,247.42	POUND	0.22	
Bigfin eelpout	Lycodes cortezianus	2011	962.78	POUND	0.35	
Bivalves (unidentified)	Bivalvia	2011	1.22	POUND	0.35	
Black skate	Bathyraja trachura	2011	0.72	POUND	0.03	
Blackedge poacher	Xeneretmus latifrons	2011	31.05	POUND	0.30	
Blackgill rockfish	Sebastes melanostomus	2011	30.11	POUND	0.20	
Bluebarred prickleback	Plectobranchus evides	2011	58.46	POUND	0.13	
Bocaccio	Sebastes paucispinis	2011	1.90	POUND	0.06	
Brachiopod (unidentified)	Brachiopoda	2011	3.74	POUND	0.32	
Brittle/basket star (unidentified)	Ophiuroidea	2011	115.03	POUND	0.11	
C-o (c-o turbot) sole	Pleuronichthys coenosus	2011	8.40	POUND	0.03	
California king crab	Paralithodes californiensis	2011	0.30	POUND	0.03	
Canary rockfish	Sebastes pinniger	2011	68.62	POUND	0.04	
Chilipepper	Sebastes goodei	2011	375.61	POUND	0.08	
Cowcod	Sebastes levis	2011	4.84	POUND	0.49	
Curlfin sole	Pleuronichthys decurrens	2011	0.15	POUND	0.02	
Cusk-eel (unidentified)	Ophidiidae	2011	12.11	POUND	0.28	
Darkblotched rockfish - Pacific Coast	Sebastes cramerii	2011	11,743.05	POUND	0.06	
Decorator/spider crab (unidentified)	Majoidea	2011	2.86	POUND	0.14	
Dover sole - Pacific Coast	Microstomus pacificus	2011	7,332.73	POUND	0.12	
Dungeness crab	Cancer magister	2011	137.70	POUND	0.17	
Dwarf wrymouth	Cryptacanthodes aleutensis	2011	48.26	POUND	0.53	
Eelpouts	Zoarcidae	2011	28,263.51	POUND	0.08	
English sole - Pacific Coast	Parophrys vetulus	2011	939.13	POUND	0.18	
Eulachon	Thaleichthys pacificus	2011	57,377.45	POUND		
Flatfishes (unidentified)	Pleuronectiformes	2011	8,608.49	POUND	0.33	
Flathead sole	Hippoglossoides elassodon	2011	2,846.61	POUND	0.07	
Graceful crab	Cancer gracilis	2011	8.88	POUND	0.03	
Greenstriped rockfish	Sebastes elongatus	2011	2,559.48	POUND	0.15	
Grenadiers	Macrouridae	2011	1.10	POUND	0.03	
Gunnels	Pholidae	2011	4.75	POUND	0.09	
Hagfish (unidentified)	Myxinidae	2011	4,971.10	POUND	0.08	
Halfbanded rockfish	Sebastes semicinctus	2011	3.70	POUND	0.43	
Harlequin rockfish	Sebastes variegatus	2011	47.93	POUND	0.18	
Hatchetfish (unidentified)	Sternoptychidae	2011	4.55	POUND	0.33	
Hermit crab (unidentified)	Paguroidea	2011	5.65	POUND	0.48	
Invertebrates (unidentified)		2011	5,919.32	POUND	0.79	
Irregular echinoids	Echinoidea	2011	3,570.87	POUND	0.25	

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Isopod (unidentified)	Isopoda	2011	61.43	POUND	0.13	
Jack mackerel - Pacific Coast	Trachurus symmetricus	2011	1.83	POUND	0.02	
Jellyfish (unidentified)	Scyphozoa	2011	480.35	POUND	0.23	
Lanternfishes	Myctophidae	2011	124.44	POUND	0.15	
Lingcod - Pacific Coast	Ophiodon elongatus	2011	1,386.59	POUND	0.12	
Long-armed spider crab	Macroregonia macrochira	2011	0.48	POUND	0.05	
Longnose skate - Pacific Coast	Raja rhina	2011	2,014.99	POUND	0.17	
Mollusk (unidentified)	Mollusca	2011	1,771.35	POUND	0.09	
Night smelt	Spirinchus starksi	2011	22,204.74	POUND	0.79	
Non-eulachon smelt (unidentified)	Osmeriformes	2011	800.30	POUND	0.20	
Northern anchovy	Engraulis mordax	2011	99.82	POUND	0.21	
Northern ronquil	Ronquilus jordani	2011	6.97	POUND	0.02	
Northern spearnose poacher	Agonopsis vulsa	2011	3.89	POUND	0.18	
Nudibranch (unidentified)	Nudibranchia	2011	568.67	POUND	0.15	
Octopus (unidentified)	Octopoda	2011	996.91	POUND	0.11	
Olive rockfish	Sebastes serranoides	2011	65.32	POUND	0.02	
Other identified fish		2011	38,903.41	POUND	0.37	
Pacific argentine	Argentina sialis	2011	19.48	POUND	0.35	
Pacific chub mackerel	Scomber japonicus	2011	45.17	POUND	0.13	
Pacific cod - Pacific Coast	Gadus macrocephalus	2011	82.76	POUND	0.08	
Pacific hagfish	Eptatretus stoutii	2011	1,334.42	POUND	0.24	
Pacific hake	Merluccius productus	2011	621,896.60	POUND	0.14	
Pacific halibut	Hippoglossus stenolepis	2011	414.83	POUND	0.26	
Pacific herring	Clupea pallasii	2011	17,313.84	POUND	0.42	
Pacific lamprey	Lampetra tridentata	2011	30.76	POUND	0.24	
Pacific ocean perch - Pacific Coast	Sebastes alutus	2011	1,216.91	POUND	0.09	
Pacific sanddab - Pacific Coast	Citharichthys sordidus	2011	5,915.06	POUND	0.08	
Pacific sardine - Pacific Coast	Sardinops sagax	2011	303.52	POUND	0.58	
Pacific saury	Cololabis saira	2011	6.90	POUND	0.50	
Pacific tom cod	Microgadus proximus	2011	22.61	POUND	0.61	
Peanut worm (unidentified)	Sipuncula	2011	19.57	POUND	0.12	
Petrale sole - Pacific Coast	Eopsetta jordani	2011	3,909.97	POUND	0.10	
Plainfin midshipman	Porichthys notatus	2011	5.80	POUND	0.02	
Poachers (unidentified)	Agonidae	2011	3,202.02	POUND	0.08	
Prickleback (unidentified)	Stichaeidae	2011	505.34	POUND	0.11	
Pygmy rockfish	Sebastes wilsoni	2011	92.18	POUND	0.18	
Red irish lord sculpin	Hemilepidotus hemilepidotus	2011	11.96	POUND	0.02	
Redbanded rockfish	Sebastes babcocki	2011	131.06	POUND	0.08	
Redstripe rockfish	Sebastes proriger	2011	0.90	POUND	0.02	
Rex sole - Pacific Coast	Glyptocephalus zachirus	2011	46,791.18	POUND	0.06	
Rock sole	Paraplagusia bilineata	2011	30.09	POUND	0.20	

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Ronquil (unidentified)	Bathymasteridae	2011	2.06	POUND	0.02	
Rosethorn rockfish	Sebastes helvomaculatus	2011	1.83	POUND	0.02	
Rougheye rockfish - Pacific Coast	Sebastes aleutianus	2011	19.89	POUND	0.48	b
Sablefish - Pacific Coast	Anoplopoma fimbria	2011	217.64	POUND	0.24	
Sandpaper skate	Bathyraja interrupta	2011	64.45	POUND	0.24	
Sculpins (unidentified)	Cottidae	2011	710.50	POUND	0.20	
Sea anemones (unidentified)	Actiniaria	2011	1,675.06	POUND	0.13	
Sea cucumbers (unidentified)	Holothuroidea	2011	1,558.22	POUND	0.15	
Sea pens	Pennatulacea	2011	0.60	POUND	0.03	
Sea snail (unidentified)		2011	41.82	POUND	0.59	
Sea squirts (unidentified)	Asciacea	2011	4.11	POUND	0.48	
Sea stars	Asteroidea	2011	1,713.17	POUND	0.09	
Sea urchins	Echinoidea	2011	283.72	POUND	0.21	
Sea whips	Pennatulacea	2011	55.34	POUND	0.24	
Sea whips/fans	Holaxonia	2011	32.91	POUND	0.10	
Sharpchin rockfish	Sebastes zacentrus	2011	89.72	POUND	0.44	
Shelf rockfishes (other)	Sebastes	2011	4,673.48	POUND	0.35	
Shiner surfperch	Cymatogaster aggregata	2011	1.47	POUND	0.02	
Shortbelly rockfish - Pacific Coast	Sebastes jordani	2011	465.38	POUND	0.10	
Shortspine thornyhead - Pacific Coast	Sebastolobus alascanus	2011	462.41	POUND	0.29	
Shrimp (unidentified)	Decapoda	2011	870,470.77	POUND	0.16	
Slender sole	Lyopsetta exilis	2011	261,869.86	POUND	0.06	
Slim sculpin	Radulinus asprellus	2011	103.52	POUND	0.10	
Smelt (unidentified)	Osmeriformes	2011	33,511.25	POUND	0.24	
Snipe eels (unidentified)	Nemichthyidae	2011	0.51	POUND	0.02	
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	6,364.75	POUND	0.86	
Spiny lobster (unidentified)	Palinuridae	2011	0.37	POUND	0.02	
Splitnose rockfish - Pacific Coast	Sebastes diploproa	2011	4,474.67	POUND	0.10	
Sponge (unidentified)	Porifera	2011	5.50	POUND	0.38	
Spotted cusk-eel	Chilara taylori	2011	0.44	POUND	0.02	
Spotted ratfish	Hydrolagus colliei	2011	375.98	POUND	0.18	
Squat lobster (unidentified)	Anomura	2011	106.20	POUND	0.27	
Squids	Teuthida	2011	86,951.21	POUND	0.14	
Starry skate	Raja stellulata	2011	3.38	POUND	0.31	
Stripetail rockfish	Sebastes saxicola	2011	1,386.65	POUND	0.31	
Sturgeon poacher	Podothecus accipenserinus	2011	26.88	POUND	0.18	
Surf smelt	Hypomesus pretiosus	2011	15.27	POUND	0.07	
Surfperch (unidentified)	Embiotocidae	2011	101.60	POUND	0.23	
Threadfin sculpin	Icelinus filamentosus	2011	4.55	POUND	0.43	
Tiger rockfish	Sebastes nigrocinctus	2011	2.32	POUND	0.04	
Tunicata	Tunicata	2011	70.10	POUND	0.31	

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Viperfishes (unidentified)	Chauliodontinae	2011	0.29	POUND	0.02	
Walleye pollock	Theragra chalcogramma	2011	22.94	POUND	0.15	
Whitebait smelt	Allosmerus elongatus	2011	44,229.83	POUND	0.21	
Whitebarred prickleback	Poroclinus rothrocki	2011	183.19	POUND	0.14	
Widow rockfish - Pacific Coast	Sebastes entomelas	2011	6.28	POUND	0.05	
Wolf-eel	Anarrhichthys ocellatus	2011	2.57	POUND	0.12	
Worm (unidentified)		2011	207.40	POUND	0.25	
Wrymouth (unidentified)	Cryptacanthodes	2011	21.53	POUND	0.12	
Yellow rock crab	Cancer anthonyi	2011	11.82	POUND	0.02	
Yelloweye rockfish - Pacific Coast	Sebastes ruberrimus	2011	4.70	POUND	0.18	
Yellowtail rockfish	Sebastes flavidus	2011	600.10	POUND	0.21	
TOTAL FISHERY BYCATCH			2,250,502.91	POUND		
TOTAL FISHERY LANDINGS			65,312,092.46	POUND		
TOTAL CATCH (Bycatch + Landings)			67,562,595.37	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.03			
West Coast Groundfish Non-Trawl Gear: Limited Entry Sablefish-Endorsed Fixed Gear						
Arrowtooth flounder - Pacific Coast	Reinhardtius stomias	2011	80,445.02	POUND	0.09	
Aurora rockfish	Sebastes aurora	2011	446.18	POUND	0.38	
Big skate	Raja binoculata	2011	1,782.26	POUND	0.39	
Bivalves (unidentified)	Bivalvia	2011	0.27	POUND	0.71	
Black coral	Antipatharia	2011	6.90	POUND	0.70	
Black skate	Bathyraja trachura	2011	698.11	POUND	0.35	
Blackgill rockfish	Sebastes melanostomus	2011	6,161.07	POUND	0.55	
Blue shark	Prionace glauca	2011	155,660.02	POUND	0.16	
Bocaccio	Sebastes paucispinis	2011	38.13	POUND	0.04	
Brittle/basket star (unidentified)	Ophiuroidea	2011	13.99	POUND	0.27	
Bronzespotted rockfish	Sebastes gilli	2011	28.84	POUND	0.04	
Brown box crab	Lopholithodes foraminatus	2011	24.74	POUND	0.37	
Brown cat shark	Apristurus brunneus	2011	1,618.76	POUND	0.16	
California grenadier	Nezumia stelgidolepis	2011	11.44	POUND	0.04	
California slickhead	Alepocephalus tenebrosus	2011	38.04	POUND	0.27	
Canary rockfish	Sebastes pinniger	2011	197.81	POUND	0.23	
Chilipepper	Sebastes goodei	2011	3.52	POUND	0.04	
Crinoids (unidentified)	Crinoidea	2011	0.54	POUND	0.08	
Curlfin sole	Pleuronichthys decurrens	2011	0.95	POUND	0.04	
Darkblotched rockfish - Pacific Coast	Sebastes cramerii	2011	398.24	POUND	0.24	
Decorator/spider crab (unidentified)	Majoidea	2011	3.79	POUND	0.56	
Deepsea sole	Microstomus bathybius	2011	6.31	POUND	0.08	
Dover sole - Pacific Coast	Microstomus pacificus	2011	2,701.52	POUND	0.12	
Dungeness crab	Cancer magister	2011	1,336.73	POUND	0.22	
Filetail cat shark	Parmaturus xaniurus	2011	145.43	POUND	0.34	

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Giant grenadier	Albatrossia pectoralis	2011	46,755.68	POUND	0.24	
Gorgonian coral (unidentified)	Alcyonacea	2011	1.30	POUND	0.04	
Greenstriped rockfish	Sebastes elongatus	2011	477.94	POUND	0.21	
Grenadiers	Macrouridae	2011	3,043.39	POUND	0.26	
Hagfish (unidentified)	Myxinidae	2011	447.34	POUND	0.11	
Hair crab	Paralomis multispina	2011	0.97	POUND	0.04	
Hermit crab (unidentified)	Paguroidea	2011	43.89	POUND	0.31	
Invertebrates (unidentified)		2011	753.65	POUND	0.16	
Irregular echinoids	Echinoidea	2011	14.34	POUND	0.30	
Jellyfish (unidentified)	Scyphozoa	2011	1.08	POUND	0.08	
Kelp crab (unidentified)	Pugettia	2011	0.60	POUND	0.04	
Lingcod - Pacific Coast	Ophiodon elongatus	2011	6,578.30	POUND	0.20	
Longnose cat shark	Apristurus kampae	2011	12.87	POUND	0.06	
Longnose skate - Pacific Coast	Raja rhina	2011	118,588.15	POUND	0.11	
Longspine thornyhead - Pacific Coast	Sebastolobus altivelis	2011	138.69	POUND	0.21	
Mollusk (unidentified)	Mollusca	2011	1.76	POUND	0.04	
Monkeyface prickleback	Cebidichthys violaceus	2011	39.32	POUND	0.04	
Octopus (unidentified)	Octopoda	2011	286.29	POUND	0.38	
Other identified fish		2011	8.72	POUND	0.09	
Pacific cod - Pacific Coast	Gadus macrocephalus	2011	226.51	POUND	0.68	
Pacific dogfish shark	Squalus suckleyi	2011	11,444.07	POUND	0.26	
Pacific flatnose	Antimora microlepis	2011	288.29	POUND	0.48	
Pacific grenadier - Pacific Coast	Coryphaenoides acrolepis	2011	3,992.66	POUND	0.23	
Pacific hagfish	Eptatretus stoutii	2011	40.80	POUND	0.22	
Pacific hake	Merluccius productus	2011	235.53	POUND	0.18	
Pacific halibut	Hippoglossus stenolepis	2011	301,466.88	POUND	0.10	
Pacific lamprey	Lampetra tridentata	2011	0.11	POUND	0.04	
Pacific ocean perch - Pacific Coast	Sebastes alutus	2011	38.75	POUND	0.87	
Pacific sleeper shark	Somniosus pacificus	2011	346.66	POUND	0.13	
Petrale sole - Pacific Coast	Eopsetta jordani	2011	121.14	POUND	0.35	
Popeye grenadier	Coryphaenoides cinereus	2011	2.24	POUND	0.04	
Redbanded rockfish	Sebastes babcocki	2011	4,208.90	POUND	0.22	
Rex sole - Pacific Coast	Glyptocephalus zachirus	2011	0.91	POUND	0.04	
Rosethorn rockfish	Sebastes helvomaculatus	2011	433.76	POUND	0.17	
Rougheye rockfish - Pacific Coast	Sebastes aleutianus	2011	2,211.46	POUND	0.26	b
Sablefish - Pacific Coast	Anoplopoma fimbria	2011	955,887.74	POUND	0.06	
Sandpaper skate	Bathyraja interrupta	2011	1,176.35	POUND	0.20	
Scarlet king crab	Lithodes couesi	2011	117.92	POUND	0.21	
Sea anemones (unidentified)	Actiniaria	2011	74.48	POUND	0.32	
Sea cucumbers (unidentified)	Holothuroidea	2011	59.38	POUND	0.19	
Sea fans		2011	0.03	POUND	0.04	

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Sea pens	Pennatulacea	2011	11.37	POUND	0.36	
Sea snail (unidentified)		2011	708.02	POUND	0.15	
Sea stars	Asteroidea	2011	1,290.53	POUND	0.16	
Sea urchins	Echinoidea	2011	419.16	POUND	0.32	
Sea whips	Pennatulacea	2011	0.81	POUND	0.04	
Sea whips/fans	Holaxonia	2011	4.09	POUND	0.22	
Sen pen/pansies (unidentified)	Pennatulacea	2011	0.54	POUND	0.04	
Sharks (unidentified)	Elasmobranchii	2011	53,441.63	POUND	0.19	
Shelf rockfishes (other)	Sebastes	2011	14.30	POUND	0.04	
Shortraker rockfish	Sebastes borealis	2011	23.83	POUND	0.97	
Shortraker/rougeye rockfish	Sebastes	2011	336.04	POUND	0.30	
Shortspine thornyhead - Pacific Coast	Sebastolobus alascanus	2011	2,518.94	POUND	0.16	
Slickhead (unidentified)	Alepocephalidae	2011	26.22	POUND	0.04	
Slope rockfishes (other)	Sebastes	2011	26.60	POUND	0.15	
Snailfishes (unidentified)	Liparidae	2011	7.61	POUND	0.31	
Soft coral	Alcyonacea	2011	2.07	POUND	0.06	
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	102,305.22	POUND	0.17	
Splitnose rockfish - Pacific Coast	Sebastes diploproa	2011	45.48	POUND	0.31	
Sponge (unidentified)	Porifera	2011	16.43	POUND	0.50	
Spotted ratfish	Hydrolagus colliciei	2011	4,997.28	POUND	0.11	
Squat lobster (unidentified)	Anomura	2011	0.32	POUND	0.48	
Squids	Teuthida	2011	381.38	POUND	0.82	
Sturgeon (unidentified)	Acipenseridae	2011	1,261.70	POUND	0.04	
Tanner crabs	Chionoecetes	2011	29.31	POUND	0.48	
Tanneri tanner crab	Chionoecetes tanneri	2011	4,456.79	POUND	0.16	
Thornyheads	Sebastolobus	2011	14.54	POUND	0.04	
Tiger rockfish	Sebastes nigrocinctus	2011	19.07	POUND	0.95	
Tunicata	Tunicata	2011	1.38	POUND	0.35	
Viperfishes (unidentified)	Chauliodontinae	2011	0.62	POUND	0.26	
Walleye pollock	Theragra chalcogramma	2011	21.93	POUND	0.71	
Widow rockfish - Pacific Coast	Sebastes entomelas	2011	85.18	POUND	0.71	
Worm (unidentified)		2011	0.95	POUND	0.15	
Yelloweye rockfish - Pacific Coast	Sebastes ruberrimus	2011	651.59	POUND	0.26	
Yellowtail rockfish	Sebastes flavidus	2011	182.89	POUND	0.47	
TOTAL FISHERY BYCATCH			1,884,641.28	POUND		
TOTAL FISHERY LANDINGS			3,640,417.39	POUND		
TOTAL CATCH (Bycatch + Landings)			5,525,058.67	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.34			
West Coast Groundfish Non-Trawl Gear: Non-Endorsed Fixed Gear						
Arrowtooth flounder - Pacific Coast	Reinhardtius stomias	2011	51,808.73	POUND	0.23	
Aurora rockfish	Sebastes aurora	2011	234.28	POUND	0.31	

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Bat ray	Myliobatis californica	2011	73.77	POUND	0.11	
Big skate	Raja binoculata	2011	4,140.74	POUND	0.21	
Black hagfish	Eptatretus deani	2011	301.86	POUND	0.27	
Black skate	Bathyraja trachura	2011	14,317.44	POUND	0.21	
Blackgill rockfish	Sebastes melanostomus	2011	6,285.14	POUND	0.41	
Blue shark	Prionace glauca	2011	8,848.63	POUND	0.24	
Bluntnose sixgill shark	Hexanchus griseus	2011	265.56	POUND	0.35	
Brittle/basket star (unidentified)	Ophiuroidea	2011	3.07	POUND	0.12	
Brown cat shark	Apristurus brunneus	2011	8,034.52	POUND	0.16	
Brown smoothhound shark	Mustelus henlei	2011	114.34	POUND	0.31	
California grenadier	Nezumia stelgidolepis	2011	189.58	POUND	0.42	
California king crab	Paralithodes californiensis	2011	63.44	POUND	0.11	
California slickhead	Alepocephalus tenebrosus	2011	824.27	POUND	0.32	
Cat shark (unidentified)	Scyliorhinidae	2011	2,050.73	POUND	0.11	
Crab (unidentified)	Brachyura	2011	85.74	POUND	0.18	
Darkblotched rockfish - Pacific Coast	Sebastes cramerii	2011	577.64	POUND	0.38	
Deep-sea rock crab	Glyptolithodes cristatipes	2011	11.07	POUND	0.11	
Deepsea skate	Bathyraja abyssicola	2011	528.17	POUND	0.22	
Dover sole - Pacific Coast	Microstomus pacificus	2011	9,988.78	POUND	0.14	
Dungeness crab	Cancer magister	2011	1,136.53	POUND	0.38	
Filetail cat shark	Parmaturus xaniurus	2011	28,267.91	POUND	0.63	
Giant grenadier	Albatrossia pectoralis	2011	12,333.03	POUND	0.26	
Gorgonian coral (unidentified)	Alcyonacea	2011	2.75	POUND	0.13	
Greenspotted rockfish	Sebastes chlorostictus	2011	34.41	POUND	0.08	
Greenstriped rockfish	Sebastes elongatus	2011	27.53	POUND	0.08	
Grenadiers	Macrouridae	2011	738.56	POUND	0.25	
Hagfish (unidentified)	Myxinidae	2011	1,653.14	POUND	0.15	
Invertebrates (unidentified)		2011	12,931.86	POUND	0.12	
Jellyfish (unidentified)	Scyphozoa	2011	16.29	POUND	0.07	
King crab (unidentified)	Lithodidae	2011	40.57	POUND	0.59	
Lingcod - Pacific Coast	Ophiodon elongatus	2011	1,145.29	POUND	0.40	
Long-armed spider crab	Macroregonia macrochira	2011	2.95	POUND	0.11	
Longnose cat shark	Apristurus kampae	2011	2,943.37	POUND	0.19	
Longnose skate - Pacific Coast	Raja rhina	2011	379,707.87	POUND	0.41	
Longspine thornyhead - Pacific Coast	Sebastolobus altivelis	2011	14,075.92	POUND	0.13	
Nudibranch (unidentified)	Nudibranchia	2011	36.88	POUND	0.11	
Octopus (unidentified)	Octopoda	2011	58.51	POUND	0.46	
Other identified fish		2011	14.75	POUND	0.11	
Pacific black dogfish	Centroscyllium nigrum	2011	3,961.01	POUND	0.32	
Pacific chub mackerel	Scomber japonicus	2011	2.21	POUND	0.71	
Pacific cod - Pacific Coast	Gadus macrocephalus	2011	476.13	POUND	0.36	

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Pacific flatnose	Antimora microlepis	2011	6,122.24	POUND	0.29	
Pacific grenadier - Pacific Coast	Coryphaenoides acrolepis	2011	124,896.40	POUND	0.30	
Pacific hagfish	Eptatretus stoutii	2011	66.28	POUND	0.13	
Pacific hake	Merluccius productus	2011	2,577.97	POUND	0.56	
Pacific halibut	Hippoglossus stenolepis	2011	77,184.30	POUND	0.18	
Pacific sanddab - Pacific Coast	Citharichthys sordidus	2011	6.93	POUND	0.11	
Pacific sleeper shark	Somniosus pacificus	2011	1,734.39	POUND	0.14	
Pelagic stingray	Pteroplatytrygon violacea	2011	365.15	POUND	0.22	
Petrale sole - Pacific Coast	Eopsetta jordani	2011	7.67	POUND	0.72	
Redbanded rockfish	Sebastes babcocki	2011	1,388.15	POUND	0.35	
Redstripe rockfish	Sebastes proriger	2011	13.49	POUND	0.08	
Rosethorn rockfish	Sebastes helvomaculatus	2011	8.26	POUND	0.72	
Rougheye rockfish - Pacific Coast	Sebastes aleutianus	2011	214.63	POUND	0.65	b
Sablefish - Pacific Coast	Anoplopoma fimbria	2011	517,913.94	POUND	0.13	
Sandpaper skate	Bathyraja interrupta	2011	4,845.71	POUND	0.17	
Scarlet king crab	Lithodes couesi	2011	40.57	POUND	0.13	
Sculpins (unidentified)	Cottidae	2011	7.38	POUND	0.11	
Sea anemones (unidentified)	Actiniaria	2011	405.90	POUND	0.16	
Sea basses (unidentified)	Serranidae	2011	29.51	POUND	0.11	
Sea cucumbers (unidentified)	Holothuroidea	2011	2,706.54	POUND	0.14	
Sea fans		2011	1.48	POUND	0.11	
Sea pens	Pennatulacea	2011	19.62	POUND	0.19	
Sea snail (unidentified)		2011	18.45	POUND	0.44	
Sea stars	Asteroidea	2011	1,437.87	POUND	0.18	
Sea urchins	Echinoidea	2011	31.34	POUND	0.18	
Sea whips	Pennatulacea	2011	3.07	POUND	0.12	
Sen pen/pansies (unidentified)	Pennatulacea	2011	2.95	POUND	0.11	
Sharks (unidentified)	Elasmobranchii	2011	229,815.81	POUND	0.15	
Shortraker rockfish	Sebastes borealis	2011	145.22	POUND	0.69	
Shortspine thornyhead - Pacific Coast	Sebastolobus alascanus	2011	58,945.88	POUND	0.17	
Skates (unidentified)	Rajidae	2011	1,248.08	POUND	0.57	
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	138,909.08	POUND	0.23	
Splitnose rockfish - Pacific Coast	Sebastes diploproa	2011	24.78	POUND	0.72	
Sponge (unidentified)	Porifera	2011	743.58	POUND	0.42	
Spotted ratfish	Hydrolagus colliei	2011	3,204.97	POUND	0.15	
Squids	Teuthida	2011	6.88	POUND	0.08	
Tanner crabs	Chionoecetes	2011	30.24	POUND	0.45	
Tanneri tanner crab	Chionoecetes tanneri	2011	1,449.10	POUND	0.18	
Thornyheads	Sebastolobus	2011	848.33	POUND	0.58	
White croaker	Genyonemus lineatus	2011	27.88	POUND	0.11	
Yellowtail rockfish	Sebastes flavidus	2011	1,222.49	POUND	0.66	

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
TOTAL FISHERY BYCATCH			1,747,027.48	POUND		
TOTAL FISHERY LANDINGS			4,366,708.42	POUND		
TOTAL CATCH (Bycatch + Landings)			6,113,735.90	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.29			
West Coast Limited Entry Bottom Trawl; Fixed Gear						
Aleutian skate	Bathyraja aleutica	2011	32.04	POUND		
Amiphipod (unidentified)	Amphipoda	2011	0.10	POUND		
Angulatus tanner crab	Chionoecetes angulatus	2011	34.28	POUND		
Arrowtooth flounder - Pacific Coast	Reinhardtius stomias	2011	2,549.23	POUND		
Aurora rockfish	Sebastes aurora	2011	4.16	POUND		
Bamboo corals		2011	0.20	POUND		
Barnacles (unidentified)	Cirripedia	2011	0.15	POUND		
Bay pipefish	Syngnathus leptorhynchus	2011	0.01	POUND		
Big skate	Raja binoculata	2011	18.34	POUND		
Black coral	Antipatharia	2011	0.65	POUND		
Black skate	Bathyraja trachura	2011	1,348.27	POUND		
Blackdragon (unidentified)	Stomiidae	2011	0.22	POUND		
Blackgill rockfish	Sebastes melanostomus	2011	721.94	POUND		
Blue shark	Prionace glauca	2011	9,266.53	POUND		
Bluntnose sixgill shark	Hexanchus griseus	2011	9.50	POUND		
Brittle/basket star (unidentified)	Ophiuroidea	2011	14.16	POUND		
Brown box crab	Lopholithodes foraminatus	2011	13.87	POUND		
Brown cat shark	Apristurus brunneus	2011	781.31	POUND		
California grenadier	Nezumia stelgidolepis	2011	256.01	POUND		
California king crab	Paralithodes californiensis	2011	0.55	POUND		
California skate	Raja inornata	2011	5.25	POUND		
California slickhead	Alepocephalus tenebrosus	2011	29.61	POUND		
Cat shark (unidentified)	Scyliorhinidae	2011	31.41	POUND		
Crab (unidentified)	Brachyura	2011	10.80	POUND		
Crinoids (unidentified)	Crinoidea	2011	3.41	POUND		
Darkblotched rockfish - Pacific Coast	Sebastes cramerii	2011	272.84	POUND		
Decorator/spider crab (unidentified)	Majoidea	2011	22.37	POUND		
Deepsea skate	Bathyraja abyssicola	2011	318.97	POUND		
Deepsea sole	Microstomus bathybius	2011	22.21	POUND		
Dover sole - Pacific Coast	Microstomus pacificus	2011	1,278.16	POUND		
Dragonfishes (unidentified)	Melanostomiinae	2011	0.05	POUND		
Dungeness crab	Cancer magister	2011	1,306.97	POUND		
Eelpouts	Zoarcidae	2011	3.92	POUND		
Filetail cat shark	Parmaturus xaniurus	2011	3,318.09	POUND		
Flatfishes (unidentified)	Pleuronectiformes	2011	6.00	POUND		
Flathead sole	Hippoglossoides elassodon	2011	4.39	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Giant grenadier	Albatrossia pectoralis	2011	7,778.09	POUND		
Greenstriped rockfish	Sebastes elongatus	2011	0.87	POUND		
Grenadiers	Macrouridae	2011	17,231.32	POUND		
Hagfish (unidentified)	Myxinidae	2011	17.92	POUND		
Hair crab	Paralomis multispina	2011	100.41	POUND		
Hermit crab (unidentified)	Paguroidea	2011	0.60	POUND		
Horny gorgonians	Holaxonia	2011	1.47	POUND		
Hydrocoral	Hydroidolina	2011	1.90	POUND		
Invertebrates (unidentified)		2011	361.77	POUND		
Irregular echinoids	Echinoidea	2011	0.55	POUND		
Isopod (unidentified)	Isopoda	2011	0.05	POUND		
Jellyfish (unidentified)	Scyphozoa	2011	20.49	POUND		
King crab (unidentified)	Lithodidae	2011	1.80	POUND		
Lanternfishes	Myctophidae	2011	0.30	POUND		
Lingcod - Pacific Coast	Ophiodon elongatus	2011	312.28	POUND		
Long-armed spider crab	Macroregonia macrochira	2011	0.60	POUND		
Longfin dragonfish	Tactostoma macropus	2011	0.05	POUND		
Longnose cat shark	Apristurus kampae	2011	446.18	POUND		
Longnose skate - Pacific Coast	Raja rhina	2011	32,302.37	POUND		
Longspine thornyhead - Pacific Coast	Sebastolobus altivelis	2011	1,925.60	POUND		
Mollusk (unidentified)	Mollusca	2011	34.53	POUND		
Nudibranch (unidentified)	Nudibranchia	2011	3.90	POUND		
Octopus (unidentified)	Octopoda	2011	204.21	POUND		
Pacific flatnose	Antimora microlepis	2011	1,174.35	POUND		
Pacific grenadier - Pacific Coast	Coryphaenoides acrolepis	2011	21,295.35	POUND		
Pacific hagfish	Eptatretus stoutii	2011	9.90	POUND		
Pacific hake	Merluccius productus	2011	324.91	POUND		
Pacific halibut	Hippoglossus stenolepis	2011	20,715.71	POUND		
Pacific ocean perch - Pacific Coast	Sebastes alutus	2011	61.22	POUND		
Pacific sleeper shark	Somniosus pacificus	2011	369.20	POUND		
Petrale sole - Pacific Coast	Eopsetta jordani	2011	64.83	POUND		
Popeye grenadier	Coryphaenoides cinereus	2011	7.65	POUND		
Redbanded rockfish	Sebastes babcocki	2011	143.50	POUND		
Redstripe rockfish	Sebastes proriger	2011	25.48	POUND		
Rex sole - Pacific Coast	Glyptocephalus zachirus	2011	0.45	POUND		
Ribbonfishes (unidentified)	Trachipteridae	2011	0.05	POUND		
Rock sole	Paraplagusia bilineata	2011	9.03	POUND		
Rosethorn rockfish	Sebastes helvomaculatus	2011	23.53	POUND		
Rougheye rockfish - Pacific Coast	Sebastes aleutianus	2011	17,696.27	POUND		b
Sablefish - Pacific Coast	Anoplopoma fimbria	2011	43,508.16	POUND		
Sandpaper skate	Bathyraja interrupta	2011	216.74	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Scarlet king crab	Lithodes couesi	2011	56.69	POUND		
Sea anemones (unidentified)	Actiniaria	2011	137.90	POUND		
Sea cucumbers (unidentified)	Holothuroidea	2011	25.15	POUND		
Sea fans		2011	0.77	POUND		
Sea pens	Pennatulacea	2011	19.15	POUND		
Sea snail (unidentified)		2011	429.89	POUND		
Sea stars	Asteroidea	2011	305.02	POUND		
Sea urchins	Echinoidea	2011	621.00	POUND		
Sea whips	Pennatulacea	2011	10.09	POUND		
Sea whips/fans	Holaxonia	2011	0.35	POUND		
Sharks (unidentified)	Elasmobranchii	2011	22,261.63	POUND		
Shorthead rockfish	Sebastes borealis	2011	437.07	POUND		
Shorthead/rougeye rockfish	Sebastes	2011	389.54	POUND		
Shortspine thornyhead - Pacific Coast	Sebastolobus alascanus	2011	2,383.67	POUND		
Shrimp (unidentified)	Decapoda	2011	0.05	POUND		
Skates (unidentified)	Rajidae	2011	2,849.29	POUND		
Slickhead (unidentified)	Alepocephalidae	2011	7.83	POUND		
Slope rockfishes (other)	Sebastes	2011	2.44	POUND		
Smooth grenadier	Nezumia liolepis	2011	9.50	POUND		
Snailfishes (unidentified)	Liparidae	2011	3.44	POUND		
Soft coral	Alcyonacea	2011	1.52	POUND		
Spiky king crab	Neolithodes diomedea	2011	1.40	POUND		
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	59,334.23	POUND		
Splitnose rockfish - Pacific Coast	Sebastes diploproa	2011	54.58	POUND		
Sponge (unidentified)	Porifera	2011	33.15	POUND		
Spongy gorgonians	Scleraxonia	2011	2.86	POUND		
Spotted ratfish	Hydrolagus colliciei	2011	47.97	POUND		
Squat lobster (unidentified)	Anomura	2011	0.11	POUND		
Squids	Teuthida	2011	11.76	POUND		
Stony coral	Scleractinia	2011	6.75	POUND		
Tanner crabs	Chionoecetes	2011	120.24	POUND		
Tanneri tanner crab	Chionoecetes tanneri	2011	8,375.28	POUND		
Thornyheads	Sebastolobus	2011	49.97	POUND		
Tope	Galeorhinus galeus	2011	3.00	POUND		
Tunicata	Tunicata	2011	28.89	POUND		
Twoline eelpout	Bothrocara brunneum	2011	1.20	POUND		
Viperfishes (unidentified)	Chauliodontinae	2011	1.17	POUND		
Widow rockfish - Pacific Coast	Sebastes entomelas	2011	3.33	POUND		
Worm (unidentified)		2011	0.60	POUND		
Yellowmouth rockfish	Sebastes reedi	2011	9.53	POUND		
TOTAL FISHERY BYCATCH			286,117.57	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
TOTAL FISHERY LANDINGS			2,542,491.21	POUND		
TOTAL CATCH (Bycatch + Landings)			2,828,608.78	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.10			
West Coast Limited Entry Bottom Trawl; Groundfish Bottom and Midwater Trawl						
Abyssal grenadier	<i>Coryphaenoides armatus</i>	2011	9.33	POUND		
Aleutian skate	<i>Bathyraja aleutica</i>	2011	3,628.35	POUND		
American shad	<i>Alosa sapidissima</i>	2011	3,224.55	POUND		
Anchovy (unidentified)	Engraulidae	2011	278.21	POUND		
Anglerfish (unidentified)	Lophiiformes	2011	0.36	POUND		
Angulatus tanner crab	<i>Chionoecetes angulatus</i>	2011	10.02	POUND		
Armed box crab	<i>Platymera gaudichaudii</i>	2011	1,154.49	POUND		
Arrowtooth flounder - Pacific Coast	<i>Reinhardtius stomias</i>	2011	549,702.54	POUND		
Atka mackerel	<i>Pleurogrammus monopterygius</i>	2011	62.19	POUND		
Aurora rockfish	<i>Sebastes aurora</i>	2011	5,837.87	POUND		
Bamboo corals		2011	5.46	POUND		
Banded guitarfish	<i>Zapteryx exasperata</i>	2011	3.05	POUND		
Bank rockfish	<i>Sebastes rufus</i>	2011	105.26	POUND		
Barnacles (unidentified)	Cirripedia	2011	0.46	POUND		
Barracudinas (unidentified)	Paralepididae	2011	0.31	POUND		
Bat ray	<i>Myliobatis californica</i>	2011	6,431.66	POUND		
Big skate	<i>Raja binoculata</i>	2011	76,205.42	POUND		
Bigeye starnose poacher	<i>Bathyagonus pentacanthus</i>	2011	0.06	POUND		
Bigfin eelpout	<i>Lycodes cortezianus</i>	2011	4,103.04	POUND		
Bivalves (unidentified)	Bivalvia	2011	4.97	POUND		
Black coral	Antipatharia	2011	52.55	POUND		
Black eelpout	<i>Lycodes diapterus</i>	2011	108.35	POUND		
Black rockfish	<i>Sebastes melanops</i>	2011	23.69	POUND		
Black skate	<i>Bathyraja trachura</i>	2011	53,151.89	POUND		
Blackbelly eelpout	<i>Lycodes pacificus</i>	2011	5.33	POUND		
Blackchin (unidentified)	Neoscopelidae	2011	0.10	POUND		
Blackdragon (unidentified)	Stomiidae	2011	0.05	POUND		
Blackfin starnose poacher	<i>Bathyagonus nigripinnis</i>	2011	3.31	POUND		
Blackgill rockfish	<i>Sebastes melanostomus</i>	2011	126.75	POUND		
Blob sculpin	<i>Psychrolutes phrictus</i>	2011	612.74	POUND		
Blue shark	<i>Prionace glauca</i>	2011	80.06	POUND		
Bluntnose sevengill shark	<i>Notorynchus cepedianus</i>	2011	10.70	POUND		
Bluntnose sixgill shark	<i>Hexanchus griseus</i>	2011	208.43	POUND		
Bocaccio	<i>Sebastes paucispinis</i>	2011	19.73	POUND		
Brachiopod (unidentified)	Brachiopoda	2011	0.15	POUND		
Brittle/basket star (unidentified)	Ophiuroidea	2011	517.84	POUND		
Brown box crab	<i>Lopholithodes foraminatus</i>	2011	1,461.01	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Brown cat shark	<i>Apristurus brunneus</i>	2011	67,235.09	POUND		
Brown smoothhound shark	<i>Mustelus henlei</i>	2011	406.05	POUND		
Bull sculpin	<i>Enophrys taurina</i>	2011	454.60	POUND		
Butter sole	<i>Isopsetta isolepis</i>	2011	1,747.85	POUND		
C-o (c-o turbot) sole	<i>Pleuronichthys coenosus</i>	2011	1.15	POUND		
Cabezon	<i>Scorpaenichthys marmoratus</i>	2011	8.90	POUND		
California butterfly ray	<i>Gymnura marmorata</i>	2011	8.96	POUND		
California grenadier	<i>Nezumia stelgidolepis</i>	2011	2,381.48	POUND		
California halibut	<i>Paralichthys californicus</i>	2011	91.51	POUND		
California king crab	<i>Paralithodes californiensis</i>	2011	53.37	POUND		
California skate	<i>Raja inornata</i>	2011	6,134.78	POUND		
California slickhead	<i>Alepocephalus tenebrosus</i>	2011	37,443.19	POUND		
California tonguefish	<i>Symphurus atricaudus</i>	2011	1.30	POUND		
Canary rockfish	<i>Sebastes pinniger</i>	2011	370.61	POUND		
Cancer crab (unidentified)	Cancer	2011	16.45	POUND		
Cat shark (unidentified)	Scyliorhinidae	2011	1,331.41	POUND		
Chilipepper	<i>Sebastes goodei</i>	2011	55,342.38	POUND		
Chinook salmon	<i>Oncorhynchus tshawytscha</i>	2011	686.38	POUND		
Chiton (unidentified)	Polyplacophora	2011	0.47	POUND		
Coho salmon	<i>Oncorhynchus kisutch</i>	2011	66.14	POUND		
Combfish (unidentified)	Coris	2011	3.29	POUND		
Corals (unidentified)	Anthozoa	2011	97.74	POUND		
Cowcod	<i>Sebastes levis</i>	2011	6.64	POUND		
Crab (unidentified)	Brachyura	2011	1,641.97	POUND		
Crinoids (unidentified)	Crinoidea	2011	0.63	POUND		
Croaker (unidentified)	Sciaenidae	2011	44.13	POUND		
Curlfin sole	<i>Pleuronichthys decurrens</i>	2011	2,019.30	POUND		
Cusk-eel (unidentified)	Ophidiidae	2011	238.61	POUND		
Daggertooth	<i>Anotopterus pharao</i>	2011	2.49	POUND		
Darkblotched rockfish - Pacific Coast	<i>Sebastes cramerii</i>	2011	3,769.80	POUND		
Decorator/spider crab (unidentified)	Majoidea	2011	29.86	POUND		
Deep-sea spider crab	<i>Paralomis manningi</i>	2011	11.27	POUND		
Deepsea skate	<i>Bathyraja abyssicola</i>	2011	1,799.39	POUND		
Deepsea smelt (unidentified)	Bathylagidae	2011	0.16	POUND		
Deepsea sole	<i>Microstomus bathybius</i>	2011	40,174.67	POUND		
Diamond turbot	<i>Pleuronichthys guttulatus</i>	2011	2.85	POUND		
Dogfish shark (unidentified)	Squalidae	2011	1,903.77	POUND		
Dover sole - Pacific Coast	<i>Microstomus pacificus</i>	2011	346,988.08	POUND		
Dragonfishes (unidentified)	Melanostomiinae	2011	0.82	POUND		
Dungeness crab	<i>Cancer magister</i>	2011	447,712.66	POUND		
Eelpouts	Zoarcidae	2011	47,756.37	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
English sole - Pacific Coast	Parophrys vetulus	2011	65,099.57	POUND		
Eulachon	Thaleichthys pacificus	2011	14.72	POUND		
Fangtooth	Anoplogaster cornuta	2011	1.02	POUND		
Filamented grenadier	Coryphaenoides filifer	2011	0.30	POUND		
Filetail cat shark	Parmaturus xaniurus	2011	6,686.83	POUND		
Flag rockfish	Sebastes rubrivinctus	2011	1.65	POUND		
Flatfishes (unidentified)	Pleuronectiformes	2011	1,039.37	POUND		
Flathead skate	Bathyraja parmifera	2011	28.06	POUND		
Flathead sole	Hippoglossoides elassodon	2011	6,041.63	POUND		
Ghostly grenadier	Coryphaenoides leptolepis	2011	9.55	POUND		
Giant grenadier	Albatrossia pectoralis	2011	191,473.42	POUND		
Giant wrymouth	Cryptacanthodes giganteus	2011	85.31	POUND		
Gorgonian coral (unidentified)	Alcyonacea	2011	8.01	POUND		
Green sturgeon	Acipenser medirostris	2011	1,564.62	POUND		a
Greenling (unidentified)	Hexagrammidae	2011	8.41	POUND		
Greenspotted rockfish	Sebastes chlorostictus	2011	80.01	POUND		
Greenstriped rockfish	Sebastes elongatus	2011	4,669.90	POUND		
Grenadiers	Macrouridae	2011	18,712.82	POUND		
Gunnels	Pholidae	2011	0.42	POUND		
Hagfish (unidentified)	Myxinidae	2011	11.28	POUND		
Hair crab	Paralomis multispina	2011	39.13	POUND		
Halfbanded rockfish	Sebastes semicinctus	2011	108.63	POUND		
Harlequin rockfish	Sebastes variegatus	2011	0.97	POUND		
Hatchetfish (unidentified)	Sternoptychidae	2011	0.82	POUND		
Hermit crab (unidentified)	Paguroidea	2011	13.10	POUND		
Horny gorgonians	Holaxonia	2011	3.43	POUND		
Hornyhead turbot	Pleuronichthys verticalis	2011	19.80	POUND		
Invertebrates (unidentified)		2011	68,035.30	POUND		
Irregular echinoids	Echinoidea	2011	330.85	POUND		
Isopod (unidentified)	Isopoda	2011	0.15	POUND		
Jack mackerel - Pacific Coast	Trachurus symmetricus	2011	47.16	POUND		
Jellyfish (unidentified)	Scyphozoa	2011	32,959.89	POUND		
Kelp crab (unidentified)	Pugettia	2011	0.16	POUND		
Kelp greenling	Hexagrammos decagrammus	2011	110.59	POUND		
King crab (unidentified)	Lithodidae	2011	60.55	POUND		
King-of-salmon	Trachipterus altivelis	2011	8.36	POUND		
Lancetfish (unidentified)	Alepisaurus	2011	23.79	POUND		
Lanternfishes	Myctophidae	2011	25.60	POUND		
Leopard shark	Triakis semifasciata	2011	166.27	POUND		
Lingcod - Pacific Coast	Ophiodon elongatus	2011	89,338.41	POUND		
Long-armed spider crab	Macroregonia macrochira	2011	0.26	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Longfin dragonfish	Tactostoma macropus	2011	0.10	POUND		
Longnose cat shark	Apristurus kampae	2011	8,732.21	POUND		
Longnose lancetfish	Alepisaurus ferox	2011	23.67	POUND		
Longnose skate - Pacific Coast	Raja rhina	2011	192,552.40	POUND		
Longspine combfish	Zaniolepis latipinnis	2011	290.66	POUND		
Longspine thornyhead - Pacific Coast	Sebastolobus altivelis	2011	93,263.35	POUND		
Loosejaw (unidentified)	Stomiidae	2011	0.77	POUND		
Lumpsucker (unidentified)	Cyclopteridae	2011	139.73	POUND		
Lyre crab (unidentified)	Hyas	2011	0.62	POUND		
Mackerel (unidentified)	Scomberidae	2011	8.57	POUND		
Manefishes	Caristiidae	2011	1.04	POUND		
Masking crab	Loxorhynchus crispatus	2011	0.05	POUND		
Medusafish	Icichthys lockingtoni	2011	1.56	POUND		
Midshipman (toadfish) (unidentified)	Porichthys	2011	222.01	POUND		
Mollusk (unidentified)	Mollusca	2011	39.85	POUND		
Monkeyface prickleback	Cebidichthys violaceus	2011	133.83	POUND		
Moridae (unidentified)	Moridae	2011	1.66	POUND		
Non-eulachon smelt (unidentified)	Osmeriformes	2011	5.62	POUND		
Nudibranch (unidentified)	Nudibranchia	2011	101.68	POUND		
Ocean sunfish	Mola mola	2011	72.26	POUND		
Octopus (unidentified)	Octopoda	2011	10,320.80	POUND		
Other identified fish		2011	45.72	POUND		
Oxeye oreo	Alloctytus folletti	2011	20.70	POUND		
Pacific chub mackerel	Scomber japonicus	2011	55.05	POUND		
Pacific cod - Pacific Coast	Gadus macrocephalus	2011	28.27	POUND		
Pacific electric ray	Torpedo californica	2011	1,656.85	POUND		
Pacific flatnose	Antimora microlepis	2011	6,493.27	POUND		
Pacific grenadier - Pacific Coast	Coryphaenoides acrolepis	2011	113,589.82	POUND		
Pacific hagfish	Eptatretus stoutii	2011	0.21	POUND		
Pacific hake	Merluccius productus	2011	425,325.64	POUND		
Pacific halibut	Hippoglossus stenolepis	2011	142,062.14	POUND		
Pacific herring	Clupea pallasii	2011	23.88	POUND		
Pacific lamprey	Lampetra tridentata	2011	0.47	POUND		
Pacific ocean perch - Pacific Coast	Sebastes alutus	2011	856.23	POUND		
Pacific pomfret	Brama japonica	2011	1.09	POUND		
Pacific pompano	Peprilus simillimus	2011	2.60	POUND		
Pacific rock crab	Cancer antennarius	2011	6.06	POUND		
Pacific sanddab - Pacific Coast	Citharichthys sordidus	2011	208,288.60	POUND		
Pacific sandfish	Trichodon trichodon	2011	0.47	POUND		
Pacific sardine - Pacific Coast	Sardinops sagax	2011	151.95	POUND		
Pacific saury	Cololabis saira	2011	4.68	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Pacific scabbardfish	Lepidopus caudatus	2011	28.67	POUND		
Pacific sleeper shark	Somniosus pacificus	2011	9,070.01	POUND		
Pacific snake eel	Ophichthus triserialis	2011	2.15	POUND		
Pacific staghorn sculpin	Leptocottus armatus	2011	465.28	POUND		
Pacific tom cod	Microgadus proximus	2011	6.47	POUND		
Pacific viperfish	Chauliodus macouni	2011	0.01	POUND		
Pallid eelpout	Lycodapus mandibularis	2011	193.95	POUND		
Petrале sole - Pacific Coast	Eopsetta jordani	2011	36,264.12	POUND		
Pile surfperch	Rhacochilus vacca	2011	15.08	POUND		
Pink seaperch	Zalemibus rosaceus	2011	34.72	POUND		
Plainfin midshipman	Porichthys notatus	2011	96.63	POUND		
Poachers (unidentified)	Agonidae	2011	114.88	POUND		
Popeye grenadier	Coryphaenoides cinereus	2011	202.50	POUND		
Prickleback (unidentified)	Stichaeidae	2011	6.35	POUND		
Prickleback poacher	Stellerina xyosterna	2011	0.10	POUND		
Prowfish	Zaprora silenus	2011	110.22	POUND		
Pygmy rockfish	Sebastes wilsoni	2011	3.15	POUND		
Quillback rockfish	Sebastes maliger	2011	55.61	POUND		
Ragfish	Icosteus aenigmaticus	2011	466.81	POUND		
Rainbow smelt	Osmerus mordax mordax	2011	0.16	POUND		
Red rock crab	Cancer productus	2011	447.53	POUND		
Redbanded rockfish	Sebastes babcocki	2011	742.06	POUND		
Redstripe rockfish	Sebastes proriger	2011	60.76	POUND		
Rex sole - Pacific Coast	Glyptocephalus zachirus	2011	48,308.98	POUND		
Rock sole	Paraplagusia bilineata	2011	921.11	POUND		
Ronquill (unidentified)	Bathymasteridae	2011	2.74	POUND		
Rosethorn rockfish	Sebastes helvomaculatus	2011	1,613.58	POUND		
Rosy rockfish	Sebastes rosaceus	2011	36.45	POUND		
Roughback sculpin	Chitonotus pugetensis	2011	45.34	POUND		
Rougheye rockfish - Pacific Coast	Sebastes aleutianus	2011	84.00	POUND		b
Roughshoulder/broad skate	Amblyraja badia	2011	73.81	POUND		
Roundfishes (unidentified)		2011	40.74	POUND		
Sablefish - Pacific Coast	Anoplopoma fimbria	2011	20,662.43	POUND		
Sand sole - Pacific Coast	Psettichthys melanostictus	2011	871.92	POUND		
Sanddabs (unidentified)	Citharichthys	2011	2,403.93	POUND		
Sandpaper skate	Bathyrāja interrupta	2011	68,628.12	POUND		
Scaleless dragonfish (unidentified)	Stomiidae	2011	0.10	POUND		
Scaly dragonfish (unidentified)	Stomias	2011	0.10	POUND		
Scarlet king crab	Lithodes couesi	2011	528.30	POUND		
Sculpins (unidentified)	Cottidae	2011	3,661.11	POUND		
Sea anemones (unidentified)	Actiniaria	2011	65,600.00	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Sea cucumbers (unidentified)	Holothuroidea	2011	2,501.97	POUND		
Sea fans		2011	4.67	POUND		
Sea pansies	Pennatulacea	2011	4.15	POUND		
Sea pens	Pennatulacea	2011	66.97	POUND		
Sea snail (unidentified)		2011	959.68	POUND		
Sea squirts (unidentified)	Ascidacea	2011	45.62	POUND		
Sea stars	Asteroidea	2011	32,883.74	POUND		
Sea urchins	Echinoidea	2011	8,685.23	POUND		
Sea whips	Pennatulacea	2011	583.67	POUND		
Sen pen/pansies (unidentified)	Pennatulacea	2011	1.40	POUND		
Sharks (unidentified)	Elasmobranchii	2011	57,308.62	POUND		
Sharpchin rockfish	Sebastes zacentrus	2011	1,485.60	POUND		
Shelf rockfishes (other)	Sebastes	2011	2.18	POUND		
Shiner surfperch	Cymatogaster aggregata	2011	7.07	POUND		
Shortbelly rockfish - Pacific Coast	Sebastes jordani	2011	22,302.14	POUND		
Shortraker rockfish	Sebastes borealis	2011	56.32	POUND		
Shortraker/rougheye rockfish	Sebastes	2011	0.73	POUND		
Shortspine thornyhead - Pacific Coast	Sebastolobus alascanus	2011	8,089.74	POUND		
Shoulderspot grenadier	Caelorinchus scaphopsis	2011	12.81	POUND		
Shrimp (unidentified)	Decapoda	2011	88.24	POUND		
Silver surfperch	Hyperprosopon ellipticum	2011	5.89	POUND		
Silvergray rockfish	Sebastes brevispinis	2011	7.76	POUND		
Skates (unidentified)	Rajidae	2011	16,948.49	POUND		
Slender codling	Halargyreus johnsonii	2011	6.50	POUND		
Slender sole	Lyopsetta exilis	2011	43,275.76	POUND		
Slickhead (unidentified)	Alepocephalidae	2011	2,258.99	POUND		
Slope rockfishes (other)	Sebastes	2011	1,065.76	POUND		
Smelt (unidentified)	Osmeriformes	2011	60.47	POUND		
Smooth grenadier	Nezumia liolepis	2011	4.26	POUND		
Smooth stargazer	Kathetostoma averruncus	2011	5.69	POUND		
Snailfishes (unidentified)	Liparidae	2011	5,031.06	POUND		
Snakehead eelpout	Lycenchelys crotalinus	2011	3.68	POUND		
Snipe eels (unidentified)	Nemichthyidae	2011	0.28	POUND		
Sockeye salmon	Oncorhynchus nerka	2011	1.54	POUND		
Soft coral	Alcyonacea	2011	11.14	POUND		
Softhead grenadier	Malacocephalus laevis	2011	3.81	POUND		
Southern Tanner crab	Chionoecetes bairdi	2011	30.22	POUND		
Speckled rockfish	Sebastes ovalis	2011	10.20	POUND		
Spiky king crab	Neolithodes diomedea	2011	12.18	POUND		
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	657,462.83	POUND		
Spiny king crab	Paralithodes rathbuni	2011	6.16	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Spiny lithode crab	Acantholithodes hispidus	2011		8.09		POUND
Spiny lobster (unidentified)	Palinuridae	2011		0.30		POUND
Splitnose rockfish - Pacific Coast	Sebastes diploproa	2011		75,241.69		POUND
Sponge (unidentified)	Porifera	2011		12,260.20		POUND
Spongy gorgonians	Scleraxonia	2011		12.51		POUND
Spotted cusk-eel	Chilara taylori	2011		0.31		POUND
Spotted ratfish	Hydrolagus colliei	2011		154,838.60		POUND
Spotted rockfish (unidentified)	Sebastes	2011		22.46		POUND
Squarespot rockfish	Sebastes hopkinsi	2011		1.38		POUND
Squat lobster (unidentified)	Anomura	2011		3.33		POUND
Squids	Teuthida	2011		11,258.00		POUND
Starry flounder - Pacific Coast	Platichthys stellatus	2011		1,572.93		POUND
Starry rockfish	Sebastes constellatus	2011		4.48		POUND
Starry skate	Raja stellulata	2011		150.56		POUND
Stony coral	Scleractinia	2011		268.88		POUND
Striped bass	Morone saxatilis	2011		47.55		POUND
Stripetail rockfish	Sebastes saxicola	2011		5,518.84		POUND
Sturgeon poacher	Podothecus accipenserinus	2011		0.47		POUND
Surf smelt	Hypomesus pretiosus	2011		0.73		POUND
Surfperch (unidentified)	Embiotocidae	2011		17.67		POUND
Tanner crabs	Chionoecetes	2011		46,386.28		POUND
Tanneri tanner crab	Chionoecetes tanneri	2011		407,755.05		POUND
Thornback	Platyrhinoidis triseriata	2011		55.66		POUND
Thornyheads	Sebastolobus	2011		10,292.69		POUND
Threadfin sculpin	Icelinus filamentosus	2011		50.37		POUND
Threadfin slickhead	Talismania bifurcata	2011		1,680.08		POUND
Thresher shark	Alopias vulpinus	2011		162.06		POUND
Tope	Galeorhinus galeus	2011		68.45		POUND
Tubeshoulders (unidentified)	Platyroctidae	2011		4.06		POUND
Tunicata	Tunicata	2011		91.07		POUND
Twoline eelpout	Bothrocara brunneum	2011		4,884.50		POUND
Viperfishes (unidentified)	Chauliodontinae	2011		23.51		POUND
Walleye pollock	Theragra chalcogramma	2011		13.28		POUND
White croaker	Genyonemus lineatus	2011		9.20		POUND
White skate	Bathyraja spinosissima	2011		18.89		POUND
White sturgeon	Acipenser transmontanus	2011		15.90		POUND
Whitebait smelt	Allosmerus elongatus	2011		3.64		POUND
Whitebarred prickleback	Poroclinus rothrocki	2011		2.51		POUND
Widow rockfish - Pacific Coast	Sebastes entomelas	2011		182.38		POUND
Wolf-eel	Anarrhichthys ocellatus	2011		23.38		POUND
Worm (unidentified)		2011		17.19		POUND

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Wrymouth (unidentified)	Cryptacanthodes	2011	28.78	POUND		
Yaquina grenadier	Coryphaenoides yaquinae	2011	94.94	POUND		
Yellow rock crab	Cancer anthonyi	2011	0.80	POUND		
Yelloweye rockfish - Pacific Coast	Sebastes ruberrimus	2011	14.00	POUND		
Yellowmouth rockfish	Sebastes reedi	2011	4.82	POUND		
Yellowtail rockfish	Sebastes flavidus	2011	79.28	POUND		
TOTAL FISHERY BYCATCH			5,322,858.06	POUND		
TOTAL FISHERY LANDINGS			38,137,198.00	POUND		
TOTAL CATCH (Bycatch + Landings)			43,460,056.06	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.12			
West Coast Mid-Water Trawl for Whiting, At-Sea Processing						
American shad	Alosa sapidissima	2011	28,558.39	POUND		
Arrowtooth flounder - Pacific Coast	Reinhardtius stomias	2011	71,627.90	POUND		
Aurora rockfish	Sebastes aurora	2011	96.47	POUND		
Bank rockfish	Sebastes rufus	2011	14.65	POUND		
Barracudinas (unidentified)	Paralepididae	2011	917.63	POUND		
Big skate	Raja binoculata	2011	549.05	POUND		
Blue shark	Prionace glauca	2011	832.24	POUND		
Bocaccio	Sebastes paucispinis	2011	665.97	POUND		
Brown cat shark	Apristurus brunneus	2011	114,698.18	POUND		
Canary rockfish	Sebastes pinniger	2011	683.18	POUND		
Chilipepper	Sebastes goodei	2011	19.46	POUND		
Chinook salmon	Oncorhynchus tshawytscha	2011	26,675.66	POUND		
Chum salmon	Oncorhynchus keta	2011	440.92	POUND		
Coho salmon	Oncorhynchus kisutch	2011	59.52	POUND		
Cutlassfish (unidentified)	Trichiuridae	2011	4.71	POUND		
Daggertooth	Anotopterus pharao	2011	6.07	POUND		
Darkblotched rockfish - Pacific Coast	Sebastes cramerii	2011	4,688.47	POUND		
Deepsea smelt (unidentified)	Bathylagidae	2011	66.05	POUND		
Dover sole - Pacific Coast	Microstomus pacificus	2011	502.87	POUND		
Dragonfishes (unidentified)	Melanostomiinae	2011	45.68	POUND		
Duckbill barracudina	Magnisudis atlantica	2011	2,058.98	POUND		
Dungeness crab	Cancer magister	2011	2.63	POUND		
Dusky rockfish	Sebastes variabilis	2011	18.64	POUND		
Eelpouts	Zoarcidae	2011	105.83	POUND		
English sole - Pacific Coast	Parophrys vetulus	2011	12.39	POUND		
Eulachon	Thaleichthys pacificus	2011	293.61	POUND		
Fishes (unidentified)		2011	1.79	POUND		
Flatfishes (unidentified)	Pleuronectiformes	2011	4.68	POUND		
Grenadiers	Macrouridae	2011	226.33	POUND		
Hatchetfish (unidentified)	Sternoptychidae	2011	0.07	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Jack mackerel - Pacific Coast	Trachurus symmetricus	2011	12,435.09	POUND		
Jellyfish (unidentified)	Scyphozoa	2011	253.70	POUND		
Jumbo squid	Dosidicus gigas	2011	6.45	POUND		
King-of-salmon	Trachipterus altivelis	2011	4,870.55	POUND		
Lampreys (unidentified)	Petromyzontidae	2011	39.06	POUND		
Lancetfishes	Alepisaurus	2011	20.50	POUND		
Lanternfishes	Myctophidae	2011	601.03	POUND		
Lingcod - Pacific Coast	Ophiodon elongatus	2011	409.61	POUND		
Longnose lancetfish	Alepisaurus ferox	2011	327.95	POUND		
Longnose skate - Pacific Coast	Raja rhina	2011	352.91	POUND		
Longspine thornyhead - Pacific Coast	Sebastolobus altivelis	2011	40.64	POUND		
Loosejaw (unidentified)	Stomiidae	2011	29.20	POUND		
Manefishes	Caristiidae	2011	3.48	POUND		
Medusafish	Icichthys lockingtoni	2011	169.87	POUND		
Mixed species		2011	431.27	POUND		
Northern anchovy	Engraulis mordax	2011	0.17	POUND		
Ocean sunfish	Mola mola	2011	371.51	POUND		
Octopus (unidentified)	Octopoda	2011	48.87	POUND		
Opah - Pacific	Lampris guttatus	2011	55.78	POUND		
Oreos	Oreosomatidae	2011	1.30	POUND		
Pacific chub mackerel	Scomber japonicus	2011	228.90	POUND		
Pacific cod - Pacific Coast	Gadus macrocephalus	2011	91.10	POUND		
Pacific hake	Merluccius productus	2011	1,579,923.45	POUND		
Pacific halibut	Hippoglossus stenolepis	2011	1,344.81	POUND		
Pacific herring	Clupea pallasii	2011	416.83	POUND		
Pacific lamprey	Lampetra tridentata	2011	1.92	POUND		
Pacific ocean perch - Pacific Coast	Sebastes alutus	2011	7,615.14	POUND		
Pacific pomfret	Brama japonica	2011	109.57	POUND		
Pacific sardine - Pacific Coast	Sardinops sagax	2011	12.03	POUND		
Pacific saury	Cololabis saira	2011	0.44	POUND		
Pacific sleeper shark	Somniosus pacificus	2011	3,035.66	POUND		
Paperbone (unidentified)	Scopelosaurus	2011	96.47	POUND		
Pearleyes (unidentified)	Scopelarchidae	2011	7.06	POUND		
Pelagic octopus (unidentified)	Octopoda	2011	60.13	POUND		
Pink salmon	Oncorhynchus gorbuscha	2011	1,373.47	POUND		
Ragfish	Icosteus aenigmaticus	2011	91,873.00	POUND		
Rainbow smelt	Osmerus mordax mordax	2011	2.14	POUND		
Redbanded rockfish	Sebastes babcocki	2011	1.52	POUND		
Redstripe rockfish	Sebastes proriger	2011	43.92	POUND		
Rex sole - Pacific Coast	Glyptocephalus zachirus	2011	2,932.84	POUND		
Ribbonfishes (unidentified)	Trachipteridae	2011	0.96	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Rough pomfret	Taractes asper	2011	23.99	POUND		
Rougheye rockfish - Pacific Coast	Sebastes aleutianus	2011	59,284.44	POUND		b
Roundfishes (unidentified)		2011	9.70	POUND		
Sablefish - Pacific Coast	Anoplopoma fimbria	2011	2,735.96	POUND		
Salmon (unidentified)	Oncorhynchus	2011	22.05	POUND		
Salmon shark	Lamna ditropis	2011	279.95	POUND		
Sandpaper skate	Bathyraja interrupta	2011	3.18	POUND		
Sea cucumbers (unidentified)	Holothuroidea	2011	0.33	POUND		
Sharpchin rockfish	Sebastes zacentrus	2011	10.42	POUND		
Shelf rockfishes (other)	Sebastes	2011	72.79	POUND		
Shortraker rockfish	Sebastes borealis	2011	73.64	POUND		
Shortraker/rougheye rockfish	Sebastes	2011	22.93	POUND		
Shortspine thornyhead - Pacific Coast	Sebastolobus alascanus	2011	6,089.54	POUND		
Shrimp (unidentified)	Decapoda	2011	31.15	POUND		
Silver spinyfin	Diretmus argenteus	2011	0.18	POUND		
Silvergray rockfish	Sebastes brevispinis	2011	535.33	POUND		
Slender barracudina	Lestidiops ringens	2011	13.56	POUND		
Slender sole	Lyopsetta exilis	2011	5.83	POUND		
Snailfishes (unidentified)	Liparidae	2011	23.42	POUND		
Snipe eels (unidentified)	Nemichthyidae	2011	0.41	POUND		
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	1,088,608.42	POUND		
Splitnose rockfish - Pacific Coast	Sebastes diploproa	2011	10,333.88	POUND		
Squids	Teuthida	2011	90,452.03	POUND		
Thresher shark	Alopias vulpinus	2011	1,712.50	POUND		
Tope	Galeorhinus galeus	2011	258.30	POUND		
Tubeshoulders (unidentified)	Platyroctidae	2011	117.19	POUND		
Viperfishes (unidentified)	Chauliodontinae	2011	73.45	POUND		
Walleye pollock	Theragra chalcogramma	2011	4.53	POUND		
White barracudina	Arctozenus risso	2011	27.77	POUND		
Widow rockfish - Pacific Coast	Sebastes entomelas	2011	57,751.65	POUND		
Yellowmouth rockfish	Sebastes reedi	2011	30.20	POUND		
Yellowtail rockfish	Sebastes flavidus	2011	145,247.84	POUND		
TOTAL FISHERY BYCATCH			3,427,374.88	POUND		
TOTAL FISHERY LANDINGS			282,344,592.50	POUND		
TOTAL CATCH (Bycatch + Landings)			285,771,967.38	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.01			
West Coast Mid-Water Trawl for Whiting, Shoreside Processing						
Big skate	Raja binoculata	2011	519.64	POUND		
Black skate	Bathyraja trachura	2011	21.07	POUND		
Blue shark	Prionace glauca	2011	119.38	POUND		
Bocaccio	Sebastes paucispinis	2011	5.00	POUND		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
Chinook salmon	Oncorhynchus tshawytscha	2011	26,455.20	POUND		
Chum salmon	Oncorhynchus keta	2011	440.92	POUND		
Coho salmon	Oncorhynchus kisutch	2011	859.79	POUND		
Darkblotched rockfish - Pacific Coast	Sebastes crameri	2011	4.30	POUND		
Invertebrates (unidentified)		2011	82.23	POUND		
Lingcod - Pacific Coast	Ophiodon elongatus	2011	79.65	POUND		
Ocean sunfish	Mola mola	2011	376.39	POUND		
Pacific hake	Merluccius productus	2011	1,123,328.15	POUND		
Pacific halibut	Hippoglossus stenolepis	2011	780.28	POUND		
Pacific pomfret	Brama japonica	2011	4.00	POUND		
Pink salmon	Oncorhynchus gorbuscha	2011	22,046.00	POUND		
Rex sole - Pacific Coast	Glyptocephalus zachirus	2011	0.50	POUND		
Sea anemones (unidentified)	Actiniaria	2011	0.84	POUND		
Sea pens	Pennatulacea	2011	0.31	POUND		
Sea stars	Asteroidea	2011	4.92	POUND		
Sea whips	Pennatulacea	2011	79.98	POUND		
Sharks (unidentified)	Elasmobranchii	2011	5,716.05	POUND		
Silvergray rockfish	Sebastes brevispinis	2011	9.35	POUND		
Sockeye salmon	Oncorhynchus nerka	2011	6.61	POUND		
Spiny dogfish - Pacific Coast	Squalus acanthias	2011	593.30	POUND		
Squids	Teuthida	2011	371.09	POUND		
Thresher shark	Alopias vulpinus	2011	772.44	POUND		
Tope	Galeorhinus galeus	2011	88.34	POUND		
Widow rockfish - Pacific Coast	Sebastes entomelas	2011	26,012.60	POUND		
Yellowtail rockfish	Sebastes flavidus	2011	183.50	POUND		
TOTAL FISHERY BYCATCH			1,208,961.83	POUND		
TOTAL FISHERY LANDINGS			236,081,747.50	POUND		
TOTAL CATCH (Bycatch + Landings)			237,290,709.33	POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			<0.01			
West Coast Salmon Troll, Non-Tribal Ocean						
Chinook salmon	Oncorhynchus tshawytscha	2011	87,987.00	INDIVIDUAL		
Coho salmon	Oncorhynchus kisutch	2011	46,270.00	INDIVIDUAL		
TOTAL FISHERY BYCATCH			134,257.00	INDIVIDUAL		
TOTAL FISHERY LANDINGS			132,136.00	INDIVIDUAL		
TOTAL CATCH (Bycatch + Landings)			266,393.00	INDIVIDUAL		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.50			
West Coast Salmon Troll, Tribal Ocean						
Chinook salmon	Oncorhynchus tshawytscha	2011	11,806.00	INDIVIDUAL		
Coho salmon	Oncorhynchus kisutch	2011	1,815.00	INDIVIDUAL		
TOTAL FISHERY BYCATCH			13,621.00	INDIVIDUAL		
TOTAL FISHERY LANDINGS			48,190.00	INDIVIDUAL		

Table 6.5.1a

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH	UNIT	CV	FOOTNOTE(S)
TOTAL CATCH (Bycatch + Landings)			61,811.00	INDIVIDUAL		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.22			

FOOTNOTES:

- 1 If the bycatch amount for a species is reported as 0.00, the estimated bycatch amount was less than 0.01 lbs but greater than 0.00 lbs.
- 2 In fisheries with 100% coverage, NMFS estimated CVs to be zero, as the amount of uncertainty is too small to detect with confidence. NMFS did not report CVs for a small number of protected fish species, as data at the level of aggregation needed for this report were unavailable.

a Green sturgeon bycatch estimates for the California Halibut Trawl fishery include any bycatch made by the Limited Entry California Halibut Trawl fishery. For all other species, the limited entry California trawl bycatch is aggregated with the West Coast Limited Entry Bottom Trawl; Groundfish Bottom and Midwater Trawl fishery.

b The rougheye/blackspotted rockfish complex is reported here as Rougheye rockfish -- Pacific Coast.