

**PACIFIC ISLANDS REGION FISH BYCATCH BY FISHERY (2015)** Fishery bycatch ratio = bycatch / (bycatch + landings).

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH (LIVE+DEAD)	BYCATCH (DEAD)	UNIT	CV	FOOTNOTES
<b>Hawaii Deep-Set Pelagic Longline</b>							
Albacore - North Pacific	Thunnus alalunga	2015	4,603.40	3,876.50	POUND		
Bigeye sand tiger shark	Odontaspis noronhai	2015	1,150.60	575.30	POUND		
Bigeye thresher	Alopias superciliosus	2015	1,223,030.10	275,915.60	POUND		
Bigeye tuna - Pacific	Thunnus obesus	2015	254,637.10	77,104.10	POUND		
Billfishes	Istiophoridae	2015	63,300.70	54,470.20	POUND		
Black gemfish	Nesiarchus nasutus	2015	344.60	172.30	POUND		
Black mackerel	Scombrolabrax heterolepis	2015	3,443.60	2,504.50	POUND		
Blue marlin - Pacific	Makaira nigricans	2015	37,910.30	31,139.50	POUND		
Blue shark - North Pacific	Prionace glauca	2015	7,394,349.60	374,154.10	POUND		
Bony fishes (other)	Osteichthyes	2015	134.70	114.00	POUND		
Bony fishes (unidentified)	Osteichthyes	2015	1,120.40	650.90	POUND		
Brama pomfrets (unidentified)	Bramidae	2015	5,143.50	2,535.30	POUND		b
Brilliant pomfret	Eumegistus illustris	2015	287.00	123.00	POUND		b
Crestfish	Lophotus lacepede	2015	1,276.00	744.30	POUND		
Crocodile shark	Pseudocarcharias kamoharai	2015	4,813.50	725.40	POUND		
Deepwater dogfishes	Squalidae	2015	4,528.50	1,181.90	POUND		
Dolphinfish - Pacific	Coryphaena hippurus	2015	56,974.40	38,867.90	POUND		
Driftfishes	Cubiceps	2015	66.00	6.60	POUND		
Escolar	Lepidocybium flavobrunneum	2015	134,455.60	36,746.70	POUND		c
Galapagos shark	Carcharhinus galapagensis	2015	1,302.80	0.00	POUND		
Great barracuda	Sphyrna barracuda	2015	3,210.20	544.10	POUND		
Hammerhead sharks	Sphyrna	2015	7,011.30	1,168.80	POUND		
Hammerjaw	Omosudis lowii	2015	631.40	574.00	POUND		
Knifetail pomfret	Taractes rubescens	2015	62,754.50	12,048.90	POUND		b
Longfin mako	Isurus paucus	2015	16,798.70	5,419.30	POUND		d
Longnose lancetfish	Alepisaurus rostratus	2015	1,050,738.30	992,842.60	POUND		
Louvar	Luvarus imperialis	2015	770.00	770.00	POUND		
Makos	Isurus	2015	5,602.00	2,801.00	POUND		d
Manta	Manta birostris	2015	880.00	0.00	POUND		
Manta and/or mobula (unidentified)	Mobulidae	2015	3,960.00	0.00	POUND		
Ocean sunfish	Mola mola	2015	16,278.70	416.70	POUND		

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH (LIVE+DEAD)	BYCATCH (DEAD)	UNIT	CV	FOOTNOTES
Oceanic whitetip shark	<i>Carcharhinus longimanus</i>	2015	88,838.70	23,480.10	POUND		e
Oilfish	<i>Ruvettus pretiosus</i>	2015	9,491.90	1,408.60	POUND		c
Opah - Pacific	<i>Lampris guttatus</i>	2015	72,987.30	43,741.30	POUND		
Pelagic puffer	<i>Lagocephalus lagocephalus</i>	2015	2,376.50	911.90	POUND		
Pelagic stingray	<i>Pteroplatytrygon violacea</i>	2015	27,660.60	4,071.60	POUND		
Pelagic thresher	<i>Alopias pelagicus</i>	2015	4,236.20	1,744.50	POUND		a
Pompano dolphinfish	<i>Coryphaena equiselis</i>	2015	382.80	300.80	POUND		
Rainbow runner	<i>Elagatis bipinnulata</i>	2015	52.80	52.80	POUND		
Rays (unidentified)	Rajiformes	2015	138.60	0.00	POUND		
Razorback scabbardfish	<i>Assurger anzac</i>	2015	962.10	577.30	POUND		
Roudi escolar	<i>Promethichthys prometheus</i>	2015	16,817.90	6,540.50	POUND		c
Rough pomfret	<i>Taractes asper</i>	2015	2,462.80	572.10	POUND		b
Sailfish	<i>Istiophorus platypterus</i>	2015	1,337.20	1,337.20	POUND		
Sandbar shark	<i>Carcharhinus plumbeus</i>	2015	385.80	96.50	POUND		
Scalloped hammerhead shark	<i>Sphyrna lewini</i>	2015	214.90	0.00	POUND		f
Scalloped ribbonfish	<i>Zu cristatus</i>	2015	78.70	52.40	POUND		
Sharks (unidentified)	Chondrichthyes	2015	28,125.70	3,659.20	POUND		
Sharptail mola	<i>Masturus lanceolatus</i>	2015	9,768.00	651.50	POUND		
Shortbill spearfish	<i>Tetrapturus angustirostris</i>	2015	62,004.10	52,790.30	POUND		
Shortfin mako	<i>Isurus oxyrinchus</i>	2015	370,474.30	82,356.40	POUND		
Shortnose lancetfish	<i>Alepisaurus brevirostris</i>	2015	38.70	38.70	POUND		
Sickle pomfret	<i>Taractichthys steindachneri</i>	2015	15,319.00	5,537.80	POUND		b
Silky shark	<i>Carcharhinus falciformis</i>	2015	68,498.10	17,343.70	POUND		e
Skipjack tuna - Central Western Pacific	<i>Katsuwonus pelamis</i>	2015	70,568.40	68,656.00	POUND		
Slender mola	<i>Ranzania laevis</i>	2015	12,364.00	8,095.90	POUND		
Smooth hammerhead shark	<i>Sphyrna zygaena</i>	2015	19,072.20	8,740.80	POUND		
Snake mackerel	<i>Gempylus serpens</i>	2015	406,856.80	177,715.00	POUND		c
Striped marlin - Central Western Pacific	<i>Kajikia audax</i>	2015	29,707.50	23,872.90	POUND		
Swordfish	<i>Xiphias gladius</i>	2015	37,418.30	23,094.60	POUND		
Tapertail ribbonfish	<i>Trachipterus fukuzakii</i>	2015	8,834.00	4,543.30	POUND		
Thresher shark	<i>Alopias vulpinus</i>	2015	262.50	0.00	POUND		a
Thresher sharks (unidentified)	Alopiidae	2015	42,526.50	7,033.90	POUND		a
Tiger shark	<i>Galeocerdo cuvier</i>	2015	16,141.40	2,690.80	POUND		

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH (LIVE+DEAD)	BYCATCH (DEAD)	UNIT	CV	FOOTNOTES
Tunas	Scombridae	2015	27,430.30	26,069.70	POUND		
Unidentified puffers	Tetraodontidae	2015	89.00	0.00	POUND		
Unidentified snake mackerels	Gempylidae	2015	3.30	3.30	POUND		c
Wahoo - Pacific	Acanthocybium solandri	2015	30,457.80	29,717.70	POUND		
Yellowfin tuna - Central Western Pacific	Thunnus albacares	2015	55,957.50	20,855.40	POUND		
<b>TOTAL FISHERY BYCATCH</b>			11,901,849.70	2,566,548.00	POUND		
<b>TOTAL FISHERY LANDINGS</b>			27,596,047.00		POUND		
<b>TOTAL CATCH (Bycatch + Landings)</b>			39,497,896.70		POUND		
<b>FISHERY BYCATCH RATIO (Bycatch/Total Catch)</b>			0.30	0.06			
<b>Hawaii Shallow-Set Pelagic Longline</b>							
Albacore - North Pacific	Thunnus alalunga	2015	530.50	313.50	POUND		
Bigeye thresher	Alopias superciliosus	2015	5,336.00	1,404.40	POUND		
Bigeye tuna - Pacific	Thunnus obesus	2015	3,590.80	1,164.50	POUND		
Billfishes	Istiophoridae	2015	506.70	168.90	POUND		
Blue marlin - Pacific	Makaira nigricans	2015	1,335.10	0.00	POUND		
Blue shark - North Pacific	Prionace glauca	2015	497,222.90	56,037.00	POUND		
Bony fishes (other)	Osteichthyes	2015	12.20	6.10	POUND		
Bony fishes (unidentified)	Osteichthyes	2015	256.90	6.10	POUND		
Brama pomfrets (unidentified)	Bramidae	2015	415.40	178.40	POUND		b
Crestfish	Lophotus lacepede	2015	11.00	0.00	POUND		
Deepwater dogfishes	Squalidae	2015	11.00	3.70	POUND		
Dolphinfish - Pacific	Coryphaena hippurus	2015	1,766.10	278.50	POUND		
Driftfishes	Cubiceps	2015	1.30	0.00	POUND		
Escolar	Lepidocybium flavobrunneum	2015	5,322.20	1,991.60	POUND		c
Knifetail pomfret	Taractes rubescens	2015	221.00	116.30	POUND		b
Longfin mako	Isurus paucus	2015	891.50	297.10	POUND		d
Longnose lancetfish	Alepisaurus ferox	2015	9,912.20	9,011.20	POUND		
Makos	Isurus	2015	18.50	0.00	POUND		d
Manta and/or mobula (unidentified)	Mobulidae	2015	154.00	0.00	POUND		
Ocean sunfish	Mola mola	2015	6,600.00	219.80	POUND		
Oceanic whitetip shark	Carcharhinus longimanus	2015	3,843.00	349.30	POUND		e
Oilfish	Ruvettus pretiosus	2015	10,645.10	3,182.90	POUND		c
Opah - Pacific	Lampris guttatus	2015	5,491.10	1,032.30	POUND		

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Pelagic puffer	Lagocephalus lagocephalus	2015	50.30	3.40	POUND		
Pelagic stingray	Pteroplatytrygon violacea	2015	3,293.40	197.90	POUND		
Salmon shark	Lamna ditropis	2015	645.10	322.50	POUND		
Sandbar shark	Carcharhinus plumbeus	2015	53.90	0.00	POUND		
Scalloped ribbonfish	Zu cristatus	2015	7.20	0.00	POUND		
Sharks (unidentified)	Chondrichthyes	2015	1,155.70	0.00	POUND		
Sharptail mola	Masturus lanceolatus	2015	132.00	0.00	POUND		
Shortbill spearfish	Tetrapturus angustirostris	2015	700.60	318.40	POUND		
Shortfin mako	Isurus oxyrinchus	2015	24,887.60	6,207.00	POUND		
Sickle pomfret	Taractichthys steindachneri	2015	45.70	11.40	POUND		b
Silky shark	Carcharhinus falciformis	2015	41.10	41.10	POUND		e
Skipjack tuna - Central Western Pacific	Katsuwonus pelamis	2015	37.40	37.40	POUND		
Smooth hammerhead shark	Sphyrna zygaena	2015	425.20	283.50	POUND		
Snake mackerel	Gempylus serpens	2015	918.00	510.30	POUND		c
Striped marlin - Central Western Pacific	Kajikia audax	2015	1,942.50	422.30	POUND		
Swordfish	Xiphias gladius	2015	56,749.60	39,219.70	POUND		
Tapertail ribbonfish	Trachipterus fukuzakii	2015	162.30	40.60	POUND		
Thresher shark	Alopias vulpinus	2015	1,263.80	280.80	POUND		a
Thresher sharks (unidentified)	Alopiidae	2015	280.80	0.00	POUND		a
Tunas	Scombridae	2015	39.50	26.30	POUND		
Unidentified snake mackerels	Gempylidae	2015	0.80	0.80	POUND		c
Wahoo - Pacific	Acanthocybium solandri	2015	18.30	0.00	POUND		
Yellowfin tuna - Central Western Pacific	Thunnus albacares	2015	167.30	0.00	POUND		
<b>TOTAL FISHERY BYCATCH</b>			647,112.60	123,685.00	POUND		
<b>TOTAL FISHERY LANDINGS</b>			2,771,937.00		POUND		
<b>TOTAL CATCH (Bycatch + Landings)</b>			3,419,049.60		POUND		
<b>FISHERY BYCATCH RATIO (Bycatch/Total Catch)</b>			0.19	0.04			
<b>American Samoa Deep-Set Pelagic Longline</b>							
Albacore - South Pacific	Thunnus alalunga	2015	52,257.90	49,838.30	POUND		
Bigeye thresher	Alopias superciliosus	2015	25,739.10	8,578.80	POUND		
Bigeye tuna - Pacific	Thunnus obesus	2015	16,203.00	3,326.50	POUND		
Billfishes	Istiophoridae	2015	4,950.00	2,165.60	POUND		
Black gemfish	Nesiarchus nasutus	2015	287.10	118.20	POUND		

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH (LIVE+DEAD)	BYCATCH (DEAD)	UNIT	CV	FOOTNOTES
Black mackerel	<i>Scombrolabrax heterolepis</i>	2015	11,348.60	6,073.80	POUND		
Blue marlin - Pacific	<i>Makaira nigricans</i>	2015	43,686.50	26,609.50	POUND		
Blue shark - North Pacific	<i>Prionace glauca</i>	2015	159,603.60	10,326.40	POUND		
Bony fishes (other)	<i>Osteichthyes</i>	2015	3.80	0.00	POUND		
Bony fishes (unidentified)	<i>Osteichthyes</i>	2015	48.90	25.90	POUND		
Brama pomfrets (unidentified)	Bramidae	2015	127.50	79.10	POUND		b
Brilliant pomfret	<i>Eumegistus illustris</i>	2015	257.40	150.10	POUND		b
Crestfish	<i>Lophotus lacepede</i>	2015	1,297.40	449.20	POUND		
Crocodile shark	<i>Pseudocarcharias kamoharai</i>	2015	70.80	0.00	POUND		
Deepwater dogfishes	Squalidae	2015	7.30	0.00	POUND		
Dolphinfish - Pacific	<i>Coryphaena hippurus</i>	2015	1,406.50	733.70	POUND		
Driftfishes	<i>Cubiceps</i>	2015	10.60	0.00	POUND		
Escolar	<i>Lepidocybium flavobrunneum</i>	2015	86,286.80	11,838.50	POUND		c
Great barracuda	<i>Sphyrna barracuda</i>	2015	2,956.20	1,065.70	POUND		
Hammerhead sharks	<i>Sphyrna</i>	2015	227.20	0.00	POUND		
Hammerjaw	<i>Omosudis lowii</i>	2015	44.00	44.00	POUND		
Knifetail pomfret	<i>Taractes rubescens</i>	2015	972.50	173.70	POUND		b
Longfin mako	<i>Isurus paucus</i>	2015	462.60	154.20	POUND		d
Longnose lancetfish	<i>Alepisaurus feroc</i>	2015	22,245.70	20,539.40	POUND		
Makos	<i>Isurus</i>	2015	577.50	0.00	POUND		d
Manta	<i>Manta birostris</i>	2015	264.00	0.00	POUND		
Manta and/or mobula (unidentified)	Mobulidae	2015	924.00	0.00	POUND		
Ocean sunfish	<i>Mola mola</i>	2015	591.00	0.00	POUND		
Oceanic whitetip shark	<i>Carcharhinus longimanus</i>	2015	26,949.10	9,464.50	POUND		e
Oilfish	<i>Ruvettus pretiosus</i>	2015	7,524.50	905.20	POUND		c
Opah - Pacific	<i>Lampris guttatus</i>	2015	5,577.20	2,230.90	POUND		
Pelagic puffer	<i>Lagocephalus lagocephalus</i>	2015	26.30	0.00	POUND		
Pelagic stingray	<i>Pteroplatytrygon violacea</i>	2015	61,162.20	1,382.30	POUND		
Pompano dolphinfish	<i>Coryphaena equiselis</i>	2015	0.70	0.00	POUND		
Rays (unidentified)	Rajiformes	2015	79.20	0.00	POUND		
Razorback scabbardfish	<i>Assurger anzac</i>	2015	278.60	185.80	POUND		
Roudi escolar	<i>Promethichthys prometheus</i>	2015	26,228.00	6,814.00	POUND		c
Rough pomfret	<i>Taractes asper</i>	2015	68.30	13.70	POUND		b

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Sailfish	Istiophorus platypterus	2015	11,589.10	9,899.40	POUND		
Scalloped hammerhead shark	Sphyrna lewini	2015	72.30	72.30	POUND		f
Sharks (unidentified)	Chondrichthyes	2015	1,315.60	263.10	POUND		
Shortbill spearfish	Tetrapturus angustirostris	2015	17,554.90	13,720.90	POUND		
Shortfin mako	Isurus oxyrinchus	2015	37,586.70	16,109.70	POUND		
Sickle pomfret	Taractichthys steindachneri	2015	2,825.20	299.20	POUND		b
Silky shark	Carcharhinus falciformis	2015	47,058.50	15,355.20	POUND		e
Skipjack tuna - Central Western Pacific	Katsuwonus pelamis	2015	8,811.80	8,665.60	POUND		
Slender mola	Ranzania laevis	2015	27,115.00	23,980.50	POUND		
Snake mackerel	Gempylus serpens	2015	4,073.80	1,203.00	POUND		c
Striped marlin - Central Western Pacific	Kajikia audax	2015	4,878.40	2,439.20	POUND		
Swordfish	Xiphias gladius	2015	2,005.00	1,324.10	POUND		
Tapertail ribbonfish	Trachipterus fukuzakii	2015	974.00	432.80	POUND		
Thresher sharks (unidentified)	Alopiidae	2015	2,819.50	402.90	POUND		a
Tunas	Scombridae	2015	15,576.70	15,268.10	POUND		
Unidentified puffers	Tetraodontidae	2015	8.80	0.00	POUND		
Unidentified snake mackerels	Gempylidae	2015	1.70	1.70	POUND		c
Wahoo - Pacific	Acanthocybium solandri	2015	14,005.30	13,440.90	POUND		
Yellowfin tuna - Central Western Pacific	Thunnus albacares	2015	31,367.40	17,986.00	POUND		
<b>TOTAL FISHERY BYCATCH</b>			790,391.30	304,151.60	POUND		
<b>TOTAL FISHERY LANDINGS</b>			5,308,950.00		POUND		
<b>TOTAL CATCH (Bycatch + Landings)</b>			6,099,341.30		POUND		
<b>FISHERY BYCATCH RATIO (Bycatch/Total Catch)</b>			0.13	0.05			

#### FOOTNOTES

a NMFS reported landings in the Hawaii and American Samoa longline fisheries for thresher sharks in general, and not by species. Landings in 2014 for the thresher shark family (Alopiidae) were 14,837 and zero lbs, respectively, for Hawaii and American Samoa fisheries. NMFS could not develop a bycatch ratio for thresher shark species, as the exact composition of the landings reported for Alopiidae spp. is unknown.

b NMFS reported landings in the Hawaii and American Samoa longline fisheries for profrets in general, and not by species. Landings in 2014 for the pomfret family (Bramidae) were 1,120,235 and 992 lbs, respectively, for Hawaii and American Samoa fisheries. NMFS could not develop a bycatch ratio for pomfret species, as the exact composition of the landings reported for Bramidae spp. is unknown.

c NMFS reported landings in the Hawaii and American Samoa longline fisheries for oilfishes in general, and not by species. Landings in 2014 for the snake mackerel family (Gempylidae) were 514,360 and 771 lbs, respectively, for Hawaii and American Samoa fisheries. NMFS could not develop a bycatch ratio for oilfishes, as the exact composition of the landings reported for Gempylidae spp. is unknown.

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d NMFS reported landings in the Hawaii and American Samoa longline fisheries for mako sharks in general, and not by species. Landings in 2014 for the mako shark genus (*Isurus*) were 110,981 and 176 lbs, respectively, for Hawaii and American Samoa fisheries. NMFS could not develop a bycatch ratio for mako shark species, as the exact composition of the landings reported for *Isurus* spp. is unknown.

e Retention of silky shark and oceanic white-tip shark are prohibited (80 FR8807, February 19, 2015).

f The Indo-West Pacific Distinct Population Segment (DPS) of the scalloped hammerhead shark (*Sphyrna lewini*) is listed as threatened, and the Eastern Pacific DPS of scalloped hammerhead is listed as endangered under the ESA (79 FR 38214, July 3, 2014).