

TABLE 7.5.1a PACIFIC ISLANDS REGION FISH BYCATCH BY FISHERY (2011) Fishery bycatch ratio = bycatch / (bycatch + landings).

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH (LIVE+DEAD)	BYCATCH (DEAD)	UNIT	CV	FOOTNOTE(S)
American Samoa Pelagic Longline							
Albacore - South Pacific	Thunnus alalunga	2011	73,551.80	68,410.50	POUND		
Bigeye thresher	Alopias superciliosus	2011	19,194.10	5,729.40	POUND		a
Bigeye tuna - Pacific	Thunnus obesus	2011	46,546.60	8,983.50	POUND		
Billfishes	Istiophoridae	2011	6,633.60	3,316.80	POUND		
Black gemfish	Nesiarchus nasutus	2011	175.60	99.10	POUND		
Black mackerel	Scombrobrax heterolepis	2011	21,822.70	12,783.80	POUND		
Blue marlin - Pacific	Makaira nigricans	2011	108,810.30	51,304.10	POUND		
Blue shark - South Pacific	Prionace glauca	2011	287,159.70	21,163.70	POUND		
Bony fishes (other)	Osteichthyes	2011	31.40	11.80	POUND		
Bony fishes (unidentified)	Osteichthyes	2011	42.20	25.80	POUND		
Brama pomfrets (unidentified)	Bramidae	2011	359.20	140.80	POUND		b
Brilliant pomfret	Eumegistus illustris	2011	292.40	131.60	POUND		b
Crestfish	Lophotus lacepede	2011	2,313.10	602.10	POUND		
Crocodile shark	Pseudocarcharias kamoharai	2011	43.50	18.10	POUND		
Dolphinfish - Pacific	Coryphaena hippurus	2011	6,455.50	2,236.80	POUND		
Driftfishes	Cubiceps	2011	46.20	14.20	POUND		
Escolar	Lepidocybium flavobrunneum	2011	97,933.50	20,761.90	POUND		c
Galapagos shark	Carcharhinus galapagensis	2011	4,466.90	372.10	POUND		
Great barracuda	Sphyrna barracuda	2011	6,683.80	1,767.20	POUND		
Hammerjaw	Omosudis lowii	2011	63.80	63.80	POUND		
Knifetail pomfret	Taractes rubescens	2011	182.50	73.00	POUND		b
Longfin mako	Isurus paucus	2011	2,242.60	747.50	POUND		d
Longnose lancetfish	Alepisaurus ferox	2011	27,439.60	25,392.60	POUND		
Makos	Isurus	2011	426.80	426.80	POUND		d
Manta	Manta birostris	2011	968.00	0.00	POUND		
Manta and/or mobula (unidentified)	Mobulidae	2011	264.00	0.00	POUND		
Mantas and/or mobulas (unidentified)	Mobula	2011	858.00	0.00	POUND		
Ocean sunfish	Mola mola	2011	221.60	0.00	POUND		
Oceanic whitetip shark	Carcharhinus longimanus	2011	8,813.00	3,382.40	POUND		
Oilfish	Ruvettus pretiosus	2011	8,439.30	2,079.40	POUND		c
Opah - Pacific	Lampris guttatus	2011	16,686.20	6,470.90	POUND		
Pelagic puffer	Lagocephalus lagocephalus	2011	160.90	49.50	POUND		
Pelagic stingray	Pteroplatytrygon violacea	2011	61,221.60	13,144.30	POUND		
Rays (unidentified)	Rajiformes	2011	105.60	0.00	POUND		
Razorback scabbardfish	Assurger anzac	2011	137.40	68.70	POUND		
Roudi escolar	Promethichthys prometheus	2011	18,611.80	8,271.10	POUND		c

COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH (LIVE+DEAD)	BYCATCH (DEAD)	UNIT	CV	FOOTNOTE(S)
Rough pomfret	Taractes asper	2011	7.60	0.00	POUND		b
Rough triggerfish	Canthidermis maculata	2011	35.20	0.00	POUND		
Sailfish	Istiophorus platypterus	2011	6,188.00	4,885.40	POUND		
Scalloped hammerhead	Sphyrna lewini	2011	184.40	92.20	POUND		
Sharks (unidentified)	Chondrichthyes	2011	1,497.00	524.00	POUND		
Sharptail mola	Masturus lanceolatus	2011	1,452.00	484.00	POUND		
Shortbill spearfish	Tetrapturus angustirostris	2011	66,935.00	58,220.00	POUND		
Shortfin mako	Isurus oxyrinchus	2011	54,799.80	24,588.70	POUND		d
Sickle pomfret	Taractichthys steindachneri	2011	5,882.90	2,488.50	POUND		b
Silky shark	Carcharhinus falciformis	2011	45,280.60	18,067.00	POUND		
Skipjack tuna - Central Western Pacific	Katsuwonus pelamis	2011	159,522.10	155,231.00	POUND		
Slender mola	Ranzania laevis	2011	156,838.00	151,960.30	POUND		
Smooth hammerhead	Sphyrna zygaena	2011	490.40	326.90	POUND		
Snake mackerel	Gempylus serpens	2011	5,719.00	2,386.00	POUND		c
Striped marlin - Central Western Pacific	Kajikia audax	2011	13,019.70	5,802.90	POUND		
Swordfish	Xiphias gladius	2011	2,898.90	1,874.40	POUND		
Tapertail ribbonfish	Trachipterus fukuzakii	2011	563.40	321.90	POUND		
Thresher sharks (unidentified)	Alopiidae	2011	3,324.10	1,759.80	POUND		a
Tunas	Scombridae	2011	26,765.30	26,125.60	POUND		
Unidentified puffers	Tetraodontidae	2011	8.30	8.30	POUND		
Unidentified snake mackerels	Gempylidae	2011	47.00	14.10	POUND		c
Wahoo - Pacific	Acanthocybium solandri	2011	75,137.80	69,382.30	POUND		
Yellowfin tuna - Central Western Pacific	Thunnus albacares	2011	56,082.80	26,370.10	POUND		
TOTAL FISHERY BYCATCH			1,512,084.10	808,956.70	POUND		
TOTAL FISHERY LANDINGS			7,531,687.00		POUND		
TOTAL CATCH (Bycatch + Landings)			9,043,771.10		POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.17	0.09			
Hawaii-Based Deep-Set Pelagic Longline Fishery for Tuna							
Albacore - North Pacific	Thunnus alalunga	2011	28,714.30	20,145.90	POUND		
Bigeye thresher	Alopias superciliosus	2011	488,237.30	96,719.80	POUND		a
Bigeye tuna - Pacific	Thunnus obesus	2011	155,225.60	39,830.90	POUND		
Billfishes	Istiophoridae	2011	33,635.00	27,227.50	POUND		
Black gemfish	Nesiarchus nasutus	2011	220.30	103.70	POUND		
Black mackerel	Scombrolabrax heterolepis	2011	2,588.90	1,671.40	POUND		
Blue marlin - Pacific	Makaira nigricans	2011	19,244.80	12,830.50	POUND		
Blue shark - North Pacific	Prionace glauca	2011	5,695,984.80	256,319.30	POUND		
Bony fishes (other)	Osteichthyes	2011	696.70	418.00	POUND		
Bony fishes (unidentified)	Osteichthyes	2011	357.30	247.40	POUND		
Brama pomfrets (unidentified)	Bramidae	2011	5,808.10	2,611.30	POUND		b

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH (LIVE+DEAD)	BYCATCH (DEAD)	UNIT	CV	FOOTNOTE(S)
Brilliant pomfret	Eumegistus illustris	2011	879.60	185.20	POUND		b
Cookiecutter shark	Isistius brasiliensis	2011	4.60	0.00	POUND		
Cottonmouth jacks (unidentified)	Uraspis	2011	23.40	23.40	POUND		
Crestfish	Lophotus lacepede	2011	2,116.40	1,005.30	POUND		
Crocodile shark	Pseudocarcharias kamoharai	2011	3,767.30	906.00	POUND		
Deepwater dogfishes	Squalidae	2011	2,096.10	597.20	POUND		
Dolphinfish - Pacific	Coryphaena hippurus	2011	52,841.70	33,343.10	POUND		
Driftfishes	Cubiceps	2011	51.50	19.30	POUND		
Escolar	Lepidocybium flavobrunneum	2011	29,296.80	11,006.80	POUND		c
Galapagos shark	Carcharhinus galapagensis	2011	2,698.70	1,079.50	POUND		
Great barracuda	Sphyrna barracuda	2011	3,697.90	835.00	POUND		
Hammerhead sharks	Sphyrna	2011	2,804.60	560.90	POUND		
Hammerjaw	Omosudis lowii	2011	862.40	840.30	POUND		
Knifetail pomfret	Taractes rubescens	2011	37,819.90	9,428.50	POUND		b
Longfin mako	Isurus paucus	2011	6,692.40	514.60	POUND		d
Longnose lancetfish	Alepisaurus rostratus	2011	1,167,647.40	1,071,666.80	POUND		
Makos	Isurus	2011	6,208.50	414.10	POUND		d
Manta	Manta birostris	2011	440.00	0.00	POUND		
Mantas and/or mobulas (unidentified)	Mobula	2011	1,452.00	0.00	POUND		
Ocean sunfish	Mola mola	2011	5,562.20	505.60	POUND		
Oceanic whitetip shark	Carcharhinus longimanus	2011	41,312.00	7,444.40	POUND		
Oilfish	Ruvettus pretiosus	2011	5,850.00	1,157.10	POUND		c
Opah - Pacific	Lampris guttatus	2011	26,824.50	17,044.30	POUND		
Pelagic puffer	Lagocephalus lagocephalus	2011	2,503.70	1,092.10	POUND		
Pelagic stingray	Pteroplatytrygon violacea	2011	25,938.00	6,352.20	POUND		
Pelagic thresher	Alopias pelagicus	2011	9,851.10	4,526.60	POUND		a
Pompano dolphinfish	Coryphaena equiselis	2011	1,586.30	1,380.70	POUND		
Razorback scabbardfish	Assurger anzac	2011	857.90	750.60	POUND		
Roudi escolar	Promethichthys prometheus	2011	23,987.30	14,392.40	POUND		c
Rough pomfret	Taractes asper	2011	1,697.90	580.30	POUND		b
Rough triggerfish	Canthidermis maculata	2011	52.80	52.80	POUND		
Sailfish	Istiophorus platypterus	2011	750.60	450.40	POUND		
Salmon shark	Lamna ditropis	2011	483.80	0.00	POUND		
Sandbar shark	Carcharhinus plumbeus	2011	778.70	155.70	POUND		
Scalloped hammerhead	Sphyrna lewini	2011	1,418.70	405.30	POUND		
Sharks (other)	Chondrichthyes	2011	113.40	0.00	POUND		
Sharks (unidentified)	Chondrichthyes	2011	35,002.50	5,509.40	POUND		
Sharptail mola	Masturus lanceolatus	2011	7,656.00	637.70	POUND		
Shortbill spearfish	Tetrapturus angustirostris	2011	38,330.80	33,159.90	POUND		

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH (LIVE+DEAD)	BYCATCH (DEAD)	UNIT	CV	FOOTNOTE(S)
Shortfin mako	Isurus oxyrinchus	2011	242,607.50	37,482.90	POUND		d
Sickle pomfret	Taractichthys steindachneri	2011	13,700.00	4,911.40	POUND		b
Silky shark	Carcharhinus falciformis	2011	40,527.80	6,792.50	POUND		
Skipjack tuna - Central Western Pacific	Katsuwonus pelamis	2011	37,504.00	35,321.20	POUND		
Slender mola	Ranzania laevis	2011	17,732.00	11,548.90	POUND		
Smooth hammerhead	Sphyrna zygaena	2011	6,564.30	2,187.90	POUND		
Snake mackerel	Gempylus serpens	2011	171,200.00	84,778.30	POUND		c
Striped marlin - Central Western Pacific	Kajikia audax	2011	52,980.60	32,630.80	POUND		
Swordfish	Xiphias gladius	2011	48,310.00	34,140.70	POUND		
Tapertail ribbonfish	Trachipterus fukuzakii	2011	4,322.00	3,324.50	POUND		
Thresher shark	Alopias vulpinus	2011	125.60	62.80	POUND		a
Thresher sharks (unidentified)	Alopiidae	2011	51,062.00	8,103.50	POUND		a
Tiger shark	Galeocerdo cuvier	2011	16,141.40	0.00	POUND		
Tunas	Scombridae	2011	26,236.10	24,913.80	POUND		
Unidentified snake mackerels	Gempylidae	2011	1.30	1.30	POUND		c
Wahoo - Pacific	Acanthocybium solandri	2011	11,797.50	11,120.30	POUND		
Yellowfin tuna - Central Western Pacific	Thunnus albacares	2011	44,397.80	22,234.40	POUND		
TOTAL FISHERY BYCATCH			8,767,882.40	2,005,704.40	POUND		
TOTAL FISHERY LANDINGS			22,831,022.00		POUND		
TOTAL CATCH (Bycatch + Landings)			31,598,904.40		POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.28	0.06			
Hawaii-Based Shallow-Set Pelagic Longline Fishery for Swordfish							
Albacore - North Pacific	Thunnus alalunga	2011	17,978.60	10,702.70	POUND		
Bigeye thresher	Alopias superciliosus	2011	6,038.10	983.00	POUND		a
Bigeye tuna - Pacific	Thunnus obesus	2011	4,381.50	1,107.20	POUND		
Billfishes	Istiophoridae	2011	409.80	68.30	POUND		
Black mackerel	Scombrolabrax heterolepis	2011	2.20	2.20	POUND		
Blue marlin - Pacific	Makaira nigricans	2011	1,202.10	200.40	POUND		
Blue shark - North Pacific	Prionace glauca	2011	319,593.10	20,262.20	POUND		
Bony fishes (other)	Osteichthyes	2011	107.00	36.70	POUND		
Bony fishes (unidentified)	Osteichthyes	2011	3.10	0.00	POUND		
Brama pomfrets (unidentified)	Bramidae	2011	120.20	69.50	POUND		b
Cookiecutter shark	Isistius brasiliensis	2011	0.80	0.00	POUND		
Crestfish	Lophotus lacepede	2011	11.00	11.00	POUND		
Crocodile shark	Pseudocarcharias kamoharai	2011	59.20	4.90	POUND		
Deepwater dogfishes	Squalidae	2011	3.70	0.00	POUND		
Dolphinfish - Pacific	Coryphaena hippurus	2011	8,925.30	1,803.80	POUND		
Driftfishes	Cubiceps	2011	2.60	1.30	POUND		
Escolar	Lepidocybium flavobrunneum	2011	7,893.30	3,278.90	POUND		c

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COMMON NAME	SCIENTIFIC NAME	YEAR	BYCATCH (LIVE+DEAD)	BYCATCH (DEAD)	UNIT	CV	FOOTNOTE(S)
Galapagos shark	Carcharhinus galapagensis	2011	93.10	0.00	POUND		
Hammerhead sharks	Sphyrna	2011	141.70	0.00	POUND		
Knifetail pomfret	Taractes rubescens	2011	88.30	44.10	POUND		b
Longfin mako	Isurus paucus	2011	891.50	0.00	POUND		d
Longnose lancetfish	Alepisaurus ferox	2011	14,227.40	12,281.10	POUND		
Makos	Isurus	2011	175.90	44.00	POUND		d
Manta	Manta birostris	2011	264.00	176.00	POUND		
Mantas and/or mobulas (unidentified)	Mobula	2011	198.00	0.00	POUND		
Ocean sunfish	Mola mola	2011	11,220.00	219.90	POUND		
Oceanic whitetip shark	Carcharhinus longimanus	2011	13,275.90	1,222.70	POUND		
Oilfish	Ruvettus pretiosus	2011	5,912.70	1,422.60	POUND		c
Opah - Pacific	Lampris guttatus	2011	5,138.00	1,284.50	POUND		
Pelagic puffer	Lagocephalus lagocephalus	2011	85.30	7.10	POUND		
Pelagic stingray	Pteroplatytrygon violacea	2011	1,452.00	178.20	POUND		
Pelagic thresher	Alopias pelagicus	2011	98.50	0.00	POUND		a
Pompano dolphinfish	Coryphaena equiselis	2011	8.80	0.00	POUND		
Salmon shark	Lamna ditropis	2011	511.40	255.70	POUND		
Sandbar shark	Carcharhinus plumbeus	2011	269.70	0.00	POUND		
Sharks (unidentified)	Chondrichthyes	2011	1,495.60	68.00	POUND		
Sharptail mola	Masturus lanceolatus	2011	528.00	0.00	POUND		
Shortbill spearfish	Tetrapturus angustirostris	2011	1,343.00	600.90	POUND		
Shortfin mako	Isurus oxyrinchus	2011	26,422.00	6,351.80	POUND		d
Shortnose lancetfish	Alepisaurus brevirostris	2011	3.50	3.50	POUND		
Sickle pomfret	Taractichthys steindachneri	2011	38.20	38.20	POUND		b
Silky shark	Carcharhinus falciformis	2011	205.70	41.10	POUND		
Skipjack tuna - Central Western Pacific	Katsuwonus pelamis	2011	66.60	53.30	POUND		
Snake mackerel	Gempylus serpens	2011	1,820.40	1,071.10	POUND		c
Striped marlin - Central Western Pacific	Kajikia audax	2011	4,439.20	751.10	POUND		
Swordfish	Xiphias gladius	2011	68,752.60	47,191.80	POUND		
Tapertail ribbonfish	Trachipterus fukuzakii	2011	916.50	749.90	POUND		
Thresher sharks (unidentified)	Alopiidae	2011	1,404.20	0.00	POUND		a
Tiger shark	Galeocerdo cuvier	2011	1,736.50	0.00	POUND		
Tunas	Scombridae	2011	85.50	72.40	POUND		
Wahoo - Pacific	Acanthocybium solandri	2011	73.30	55.00	POUND		
Yellowfin tuna - Central Western Pacific	Thunnus albacares	2011	764.70	176.50	POUND		
TOTAL FISHERY BYCATCH			530,879.30	112,892.60	POUND		
TOTAL FISHERY LANDINGS			3,502,082.00		POUND		
TOTAL CATCH (Bycatch + Landings)			4,032,961.30		POUND		
FISHERY BYCATCH RATIO (Bycatch/Total Catch)			0.13	0.03			

Table 7.5.1a

FOOTNOTES:

a Landings in the Hawaii and American Samoa-based longline fisheries were not reported by thresher shark species, but were reported for thresher sharks in general. Landings for the year 2011 for the thresher shark family (*Alopiidae*) were 44,315 and 573 pounds, respectively, for Hawaii and American Samoa fisheries. A bycatch ratio for thresher shark species could not be developed as the exact composition of the landings reported for *Alopiidae* spp. is unknown.

b Landings in the Hawaii and American Samoa-based longline fisheries were not reported by pomfret species, but were reported for pomfrets in general. Landings for the year 2011 for the pomfret family (*Bramidae*) were 427,365 and 1,058 pounds, respectively, for Hawaii and American Samoa fisheries. A bycatch ratio for pomfret species could not be developed as the exact composition of the landings reported for *Bramidae* spp. is unknown.

c Landings in the Hawaii and American Samoa-based longline fisheries were not reported by oilfishes, but were reported for oilfishes in general. Landings for the year 2011 for the snake mackerel family (*Gempylidae*) were 647,341 and 1,653 pounds, respectively, for Hawaii and American Samoa fisheries. A bycatch ratio for oilfishes could not be developed as the exact composition of the landings reported for *Gempylidae* spp. is unknown.

d Landings in the Hawaii and American Samoa-based longline fisheries were not reported by mako shark species, but were reported for mako sharks in general. Landings for the year 2011 for the mako shark genus (*Isurus*) were 131,482 and 353 pounds, respectively, for Hawaii and American Samoa fisheries. A bycatch ratio for mako shark species could not be developed as the exact composition of the landings reported for *Isurus* spp. is unknown.