

## Evaluation of contribution of potential EM vessels to total catch, by species

- Reported separately for GOA and BSAI, and including three sets of tables: for target species, for prohibited species, and for non-target species

**Table 1 Total target species catch by fixed gear catcher vessels, compared to total target catch in all groundfish and halibut fisheries, for 2013 through 2015 inclusive.**

Proportions of 20 percent or higher are highlighted in yellow.

Area	Species	Total catch (t)			Proportion of total from hook and line	Proportion of total from pot	
		Hook and line	Pot	Total (all gears)			
GOA	Pollock	422	133	397,052	0.1%	0.0%	
	Pacific cod	24,254	57,615	169,227	14%	34%	
	Sablefish	28,152	4	32,685	86%	0.0%	
	Atka mackerel	2	15	3,547	0.1%	0.4%	
	Rockfish	Pacific Ocean perch	3	1	49,582	0.0%	0.0%
		Bocaccio rockfish	0		0	0.0%	
		Canary rockfish	4		6	67%	
		China rockfish	0		1	0.0%	
		Copper rockfish	0		0		0.0%
		Dusky rockfish	49	13	9,001	1%	0.1%
		Greenstripe rockfish	0		0	0.0%	
		Northern rockfish	8	7	13,104	0.1%	0.1%
		Quillback rockfish	39		40	98%	
		Redbanded rockfish	41		129	32%	
		Redstripe rockfish	1		145	1%	
		Rosethorn rockfish	0		1	0.0%	
		Rougheye rockfish	552	0	1,862	30%	0.0%
		Sharpchin rockfish	0		247	0.0%	
		Shorthead rockfish	801	0	1,994	40%	0.0%
		Silvergray rockfish	6		85	7%	
		Tiger rockfish	2		8	25%	
		Vermillion rockfish	0		0	0.0%	
		Widow rockfish	0		67	0.0%	
		Yelloweye rockfish	541	0	780	69%	0.0%
	Yellowtail rockfish	0		5	0.0%		
	Thornyhead rockfish	2,071		3,318	62%	0.0%	
	Flatfish	Flathead sole	0	1	6,861	0.0%	0.0%
		Rock sole	0	1	10,120	0.0%	0.0%
		Butter sole	0	0	2,187	0.0%	0.0%
		Dover sole	0		532	0.0%	
		English sole		0	142		0.0%
		Rex sole	0	0	9,240	0.0%	0.0%
		Arrowtooth flounder	762	4	76,955	1%	0.0%
		Starry flounder	0		270	0.0%	
Flounder (general)		0		3	0.0%		
Greenland turbot		0		2	0.0%		
Other species	Squid	0	1	827	0.0%	0.1%	
	Sculpin	1,592	675	4,168	38%	16%	
	Octopus	233	2,284	2,710	9%	84%	
	Pacific sleeper shark	140		237	59%		
	Salmon shark	0		519	0.0%		
	Spiny dogfish	3,668	3	4,352	84%	0.1%	
	Shark (other)	16		29	55%		
	Big skate	2,467	0	5,705	43%	0.0%	
	Longnose skate	3,243	0	5,017	65%	0.0%	
	Alaskan skate	1		6	17%		
Aleutian skate	2		70	3%			
Skate (other)	3,650	0	5,498	66%	0.0%		

Area	Species	Total catch (t)			Proportion of total from hook and line	Proportion of total from pot	
		Hook and line	Pot	Total (all gears)			
BSAI	Pacific cod	4,850	68,946	716,255	1%	10%	
	Sablefish	1,485	883	3,465	43%	25%	
	Pollock	13	36	3,897,234	0.0%	0.0%	
	Atka mackerel	0	18	107,402	0.0%	0.0%	
	Rockfish	Pacific Ocean perch	4	0	95,167	0.0%	0.0%
		Aurora rockfish	0	0	0		
		Black rockfish	0	0	2	0.0%	0.0%
		Dusky rockfish		4	1,079	0.0%	0.4%
		Northern rockfish	3	1	11,577	0.0%	0.0%
		Rougheye rockfish	12	1	699	2%	0.1%
		Shortraker rockfish	137	0	719	19%	0.0%
		Yelloweye rockfish	2	0	3	67%	0.0%
		Thornyhead rockfish	107	1	1,026	10%	0.1%
		Flatfish	Yellowfin sole	1	10	448,653	0.0%
	Flathead sole		0	0	44,728	0.0%	0.0%
	Rock sole		1	2	156,918	0.0%	0.0%
	Butter sole			0	337	0.0%	0.0%
	Arrowtooth flounder		78	55	50,908	0.2%	0.1%
	Kamchatka flounder		60	3	19,218	0.3%	0.0%
	Bering flounder		0		143	0.0%	
	Greenland turbot		106	4	5,601	2%	0.1%
	Other species	Sculpin	182	608	15,648	1%	4%
		Octopus	36	861	1,095	3%	79%
		Pacific sleeper shark	24	1	194	12%	1%
		Spiny dogfish	8		51	16%	
		Big skate	1		219	0.5%	
		Aleutian skate	4		241	2%	
Skate (other)		1,598	0	74,817	2%	0.0%	

**Table 2 Total prohibited species catch by fixed gear catcher vessels, compared to total prohibited species catch in all groundfish and halibut fisheries, for 2013 through 2015 inclusive.**  
Proportions of 20 percent or higher are highlighted in yellow.

Area	Species	Total catch (count or tons)			Proportion of total from hook and line	Proportion of total from pot	
		Hook and line	Pot	Total (all gears)			
GOA	Halibut ( <i>tons, catch not mortality</i> )	3,543	282	11,773	30%	2%	
	Herring ( <i>tons</i> )	0	0	93	0.0%	0.0%	
	Crab ( <i>count</i> )	Red king crab	334	0	346	97%	0%
		Blue king crab	0	0	0	0%	0%
		Golden king crab	163	0	580	28%	0.0%
		Bairdi Tanner crab	1,114	829,274	1,226,068	0.1%	68%
	Other tanner crab	0	0	2	0.0%	0.0%	
	Salmon ( <i>count</i> )	Chinook					
		Non-Chinook					
	BSAI	Halibut ( <i>tons, catch not mortality</i> )	243	99	24,464	1%	0.4%
Herring ( <i>tons</i> )		0	0	2,705	0.0%	0.0%	
Crab ( <i>count</i> )		Red king crab	350	191,512	516,457	0.1%	37%
		Blue king crab	84	1,103	5,240	2%	21%
		Golden king crab	2,010	33,015	104,031	2%	32%
		Bairdi Tanner crab	548	851,871	3,233,525	0.0%	26%
Other tanner crab		400	149,747	1,942,142	0.0%	8%	
Salmon ( <i>count</i> )		Chinook	5	0	59,544	0.0%	0.0%
	Non-Chinook	0	0	594,647	0.0%	0.0%	

**Table 3 Total non-target catch by fixed gear catcher vessels, compared to total non-target catch in all groundfish and halibut fisheries, for 2013 through 2015 inclusive.**

Proportions of 20 percent or higher are highlighted in yellow.

Area	Species	Total catch (kg)			Proportion of total from hook and line	Proportion of total from pot
		Hook and line	Pot	Total (all gears)		
GOA	Benthic urochordata	1	0	8	13%	0.0%
	Bivalves	2	0	6	33%	0.0%
	Brittle star unidentified	1	0	2	50%	0.0%
	Corals Bryozoans - Unidentified	7	0	11	64%	0.0%
	Corals Bryozoans - Red Tree Coral	0		1	0.0%	
	Dark Rockfish	4	1	150	3%	1%
	Eelpouts	0		37	0.0%	
	Giant Grenadier	12,549		19,956	63%	
	Greenlings	2	3	28	7%	11%
	Grenadier - Ratail Grenadier Unidentified	2,636		4,647	57%	
	Gunnels	0		5	0.0%	
	Hermit crab unidentified	0	5	6	0.0%	83%
	Invertebrate unidentified	1	0	2	50%	0.0%
	Large Sculpins - Bigmouth Sculpin	48	8	258	19%	3%
	Large Sculpins - Great Sculpin	180	220	639	28%	34%
	Large Sculpins - Hemilepidotus Unidentified	519	204	1,002	52%	20%
	Large Sculpins - Myoxocephalus Unidentified	47	43	139	34%	31%
	Large Sculpins - Plain Sculpin	4	0	9	44%	0%
	Large Sculpins - Red Irish Lord	39	2	47	83%	4%
	Large Sculpins - Warty Sculpin	0		0	0.0%	0.0%
	Large Sculpins - Yellow Irish Lord	392	633	2,182	18%	29%
	Misc crabs	0	7	9	0.0%	78%
	Misc crustaceans	0	0	1	0.0%	0.0%
	Misc fish	957	203	2,493	38%	8%
	Misc inverts (worms etc)	0	0	0	0.0%	0.0%
	Other Sculpins	91	70	271	34%	26%
	Scypho jellies	0	4	264	0.0%	2%
	Sea anemone unidentified	21	1	69	30%	1%
	Sea pens whips	8	0	13	62%	0.0%
	Sea star	1,719	2,203	4,103	42%	54%
	Snails	8	37	50	16%	74%
	Sponge unidentified	2	0	17	12%	0.0%
	Stichaeidae	1		1	100%	
urchins dollars cucumbers	2	6	16	13%	38%	

Area	Species	Total catch (kg)			Proportion of total from hook and line	Proportion of total from pot
		Hook and line	Pot	Total (all gears)		
BSAI	Benthic urochordata	4	0	865	0.5%	0.0%
	Bivalves	0	1	35	0.0%	3%
	Brittle star unidentified	0	2	51	0.0%	4%
	Corals Bryozoans - Unidentified	19	0	195	10%	0.0%
	Corals Bryozoans - Red Tree Coral	0		1	0.0%	
	Dark Rockfish	1	0	7	14%	0.0%
	Eelpouts	2	1	532	0.4%	0.2%
	Giant Grenadier	2,339	8	8,673	27%	0.1%
	Greenlings	0	0	2	0.0%	0.0%
	Grenadier - Ratail Grenadier Unidentified	264	3	868	30%	0.3%
	Hermit crab unidentified	0	1	33	0.0%	3%
	Invertebrate unidentified	1	0	319	0.3%	0.0%
	Large Sculpins - Bigmouth Sculpin	8	3	1,445	1%	0.2%
	Large Sculpins - Great Sculpin	34	105	4,301	1%	2%
	Large Sculpins - Hemilepidotus Unidentified	117	167	2,493	5%	7%
	Large Sculpins - Myoxocephalus Unidentified	7	1	335	2%	0.3%
	Large Sculpins - Plain Sculpin	0	1	3,295	0.0%	0.0%
	Large Sculpins - Red Irish Lord	3	0	5	60%	0.0%
	Large Sculpins - Warty Sculpin	0	1	280	0.0%	0.4%
	Large Sculpins - Yellow Irish Lord	132	556	3,041	4%	18%
	Misc crabs	0	13	139	0.0%	9%
	Misc crustaceans	0	0	4	0.0%	0.0%
	Misc deep fish		0	0		0%
	Misc fish	8	45	1,226	1%	4%
	Misc inverts (worms etc)	0	0	0	0%	0%
	Other Sculpins	17	25	734	2%	3%
	Pacific Sandfish		0	0		0%
	Pandalid shrimp	0		9	0.0%	0.0%
	Polychaete unidentified	0	0	3	0.0%	0.0%
	Scypho jellies	2	32	26,444	0.0%	0.1%
	Sea anemone unidentified	7	0	884	1%	0.0%
	Sea pens whips	2	0	206	1%	0.0%
	Sea star	32	22	8,393	0.4%	0.3%
Snails	13	33	321	4%	10%	
Sponge unidentified	5	2	1,263	0.4%	0.2%	
Stichaeidae	0		2	0.0%		
urchins dollars cucumbers	7	3	49	14%	6%	

Source: