

STOCK ASSESSMENT AND FISHERY EVALUATION REPORT FOR THE  
GROUND FISH FISHERIES OF THE GULF OF ALASKA AND BERING  
SEA/ALEUTIAN ISLANDS AREA:

ECONOMIC STATUS OF THE GROUND FISH FISHERIES OFF ALASKA, 2018

by

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The authors of the Groundfish SAFE Economic Status Report invite users to provide feedback regarding the quality and usefulness of the Report and recommendations for improvement. AFSC's Economic and Social Sciences Research Program staff continually strive to improve the SAFE Economic Status Reports for Alaska Groundfish and BSAI Crab to incorporate additional analytical content and synthesis, improve online accessibility of public data in electronic formats, and otherwise improve the utility of the reports to users. We welcome any and all comments and suggestions for improvements to the SAFE Economic Status Reports. Please contact Ben Fissel at [Ben.Fissel@noaa.gov](mailto:Ben.Fissel@noaa.gov) with any comments or suggestions to improve the Economic SAFEs.

This report will be available at:

<http://www.afsc.noaa.gov/refm/docs/2018/economic.pdf>

Time series of data for the tables presented in this report (in CSV format) are available at:

<http://www.afsc.noaa.gov/refm/Socioeconomics/SAFE/groundfish.php#data>

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Dear Reader,

**This preliminary report of the “Economic Status of the Groundfish Fisheries Off Alaska” is compiled for the express purpose of the Sept. 2019 meeting of the Groundfish Plan Teams. A final version of this report will be subsequently prepared for meeting of the Groundfish Plan Teams and NPFMC. The data contained within this report are the most recent data available. At the time this report was compiled, data continue to be finalized and validated. In some cases, numbers in the final draft of this report may change from those presented in this preliminary draft. As we finalize and validate the data in this report, the Economic and Social Sciences Research Program welcomes any feedback from readers regarding the data.**

Thank you,  
Alaska Fisheries Science Center,  
Economic and Social Sciences Research Program

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## 1. EXECUTIVE SUMMARY

The commercial FMP groundfish fisheries off Alaska had a total catch of 2.2 million metric tons (mt) in 2018 (including catch in federal and state waters) (Fig. 2.1 and Table 1), a decrease of 3% from 2017. Groundfish accounted for 88% of Alaska's 2018 total catch (Table 4). Total catch in 2018 increased for sablefish, Atka mackerel, and rockfish. Total catch decreased or was stable for Alaska pollock, Pacific cod, flatfish and rockfish.

The aggregate ex-vessel value of the FMP groundfish fisheries off Alaska was \$996 million, which was 55% of the ex-vessel value of all commercial fisheries off Alaska in 2018 (Table 4).<sup>1</sup> After adjustment for inflation, real ex-vessel value of FMP groundfish increased \$29 million in 2018, largely due to an aggregate real ex-vessel price increase of 6.2% to \$0.21 per pound (Table 4). The increase in the aggregate ex-vessel price was attributable to a rise in ex-vessel prices for most species. Notable price increases were observed for Pacific cod (25%), pollock (17%), flatfish (12%), and rockfish (2%). Pollock ex-vessel prices increased 14% to \$0.15 per pound in the Bering Sea and Aleutian Islands (BSAI), and 42% to \$0.12 per pound in the Gulf of Alaska (GOA), and after recent declines prices remain fairly low (Tables 12 and 28). Among the other species that are the focus of the shoreside ex-vessel fisheries: The GOA flatfish ex-vessel price rose 7%, GOA rockfish prices rose 6%, GOA sablefish prices fell 27%, GOA Pacific cod prices rose 35%, and BSAI Pacific cod prices rose 25%. For Alaska FMP groundfish in aggregate the change in catch was smaller than the change in price, and price was the larger factor in determining the increase in ex-vessel value (Table 3). For other fisheries in Alaska, halibut ex-vessel revenues increased, while salmon, herring, and shellfish revenue decreased (Table 4).

The gross value of the 2018 groundfish catch after primary processing (first wholesale) was \$2.54 billion (Table 5), a decrease of 1.3% in real terms from 2017. This change was combined effect of a 1% increase in the real aggregate 2018 first-wholesale price to \$1.2 per pound while aggregate production volumes decreased 2.5% to 936.6 thousand mt (Table 5). In the BSAI, aggregate first-wholesale value increased 4.3% and value was increasing for major species with the exception of sablefish where price decreased significantly (Table 16). In the Gulf of Alaska, aggregate first-wholesale value decreased (19%) with significant decreases in value for sablefish, Pacific cod, and arrowtooth (Table 32). First-wholesale value in the GOA was increasing for pollock, rockfish and other flatfish species. The decrease in GOA cod value was the result of decreased production volume from reduced total allowable catch. The increase in the value of GOA pollock was the result of an increase in the average price of products.

The first-wholesale value of Alaska's FMP groundfish fisheries accounted for 57% of Alaska's total first-wholesale value from commercial fisheries (Table 5). First-wholesale value of Alaska's fisheries products other than FMP groundfish fisheries totaled \$1.94 billion, most of which (\$1.6 billion) came from Pacific salmon. Pacific salmon value decreased 19% as a result of the typical cycle in salmon returns and production, though year-over-year prices were up. Pacific halibut fisheries, which are concentrated in the Gulf of Alaska, saw a decrease 21% in value in 2018 to \$110 million in 2018.

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<sup>1</sup>The data required to estimate net benefits to either the participants in fisheries or the Nation, such as cost or quota value (where applicable) data, are not available. Unless otherwise noted 'value' should be interpreted as gross revenue.

The groundfish fisheries off Alaska are an important segment of the U.S. fishing industry. In 2017, it accounted for 49% of the weight of total U.S. domestic landings and 18% of the ex-vessel value of total U.S. domestic landings (Fisheries of the United States, 2017). Alaska fisheries as a whole (including salmon, halibut, herring, and shellfish) accounted for 60% of the weight of total U.S. domestic landings and 38% of the ex-vessel value of total U.S. domestic landings.

NOAA Fisheries collects only limited data on employment in the fisheries off Alaska. The most direct measure available is the number of ‘crew weeks’ on at-sea processing vessels and catcher vessels of FMP groundfish. These data indicate that in 2018 crew weeks for both sectors totaled 153,741 with the majority of them (123,894) occurring in the BSAI groundfish fishery (Tables 24, 40, 25, and 41). In the BSAI, the months with the highest employment correspond with peak of the pollock seasons in February-March and July-September. In the Gulf of Alaska, crew weeks peak February-May with the catcher vessel hook and line fisheries targeting sablefish and Pacific cod. Relative to 2017, annual crew weeks in Alaska decreased slightly in 2018 by 0.64%.

## 2. FIGURES REPORTING ECONOMIC DATA OF THE GROUND FISH FISHERIES OFF ALASKA

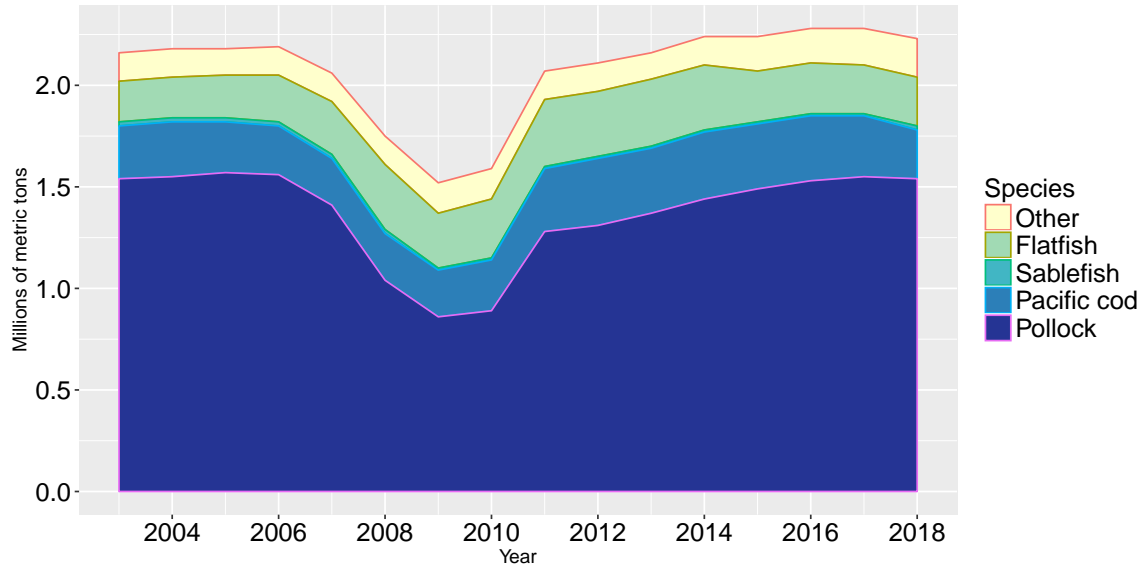


Figure 2.1: Groundfish catch in the commercial fisheries off Alaska by species, 2003-2018.

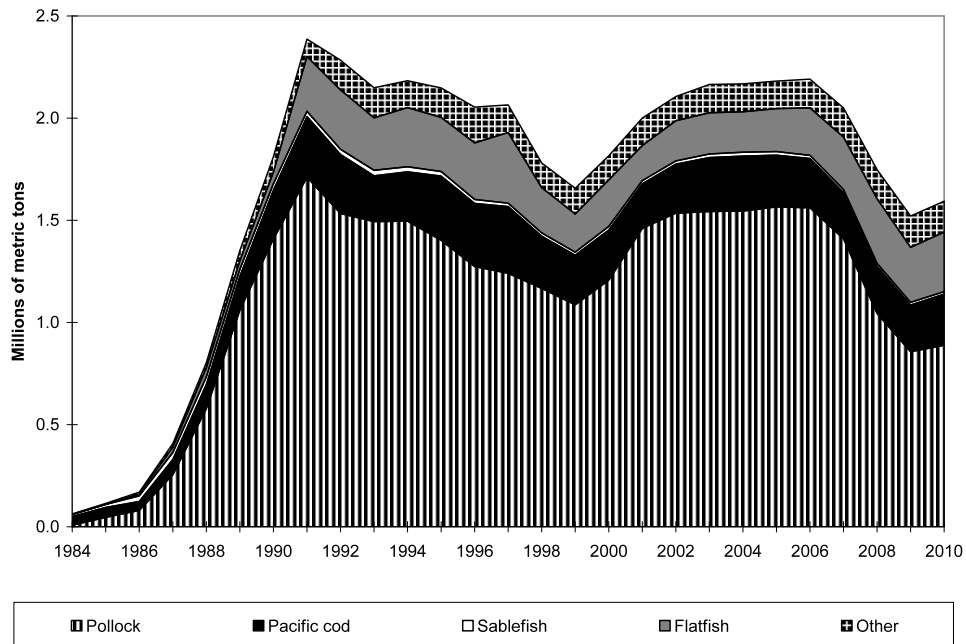


Figure 2.2: Groundfish catch in the commercial fisheries off Alaska by species, (1984-2010).  
**Notes:** Catch for 2011 and onward are displayed in Figure 2.1.

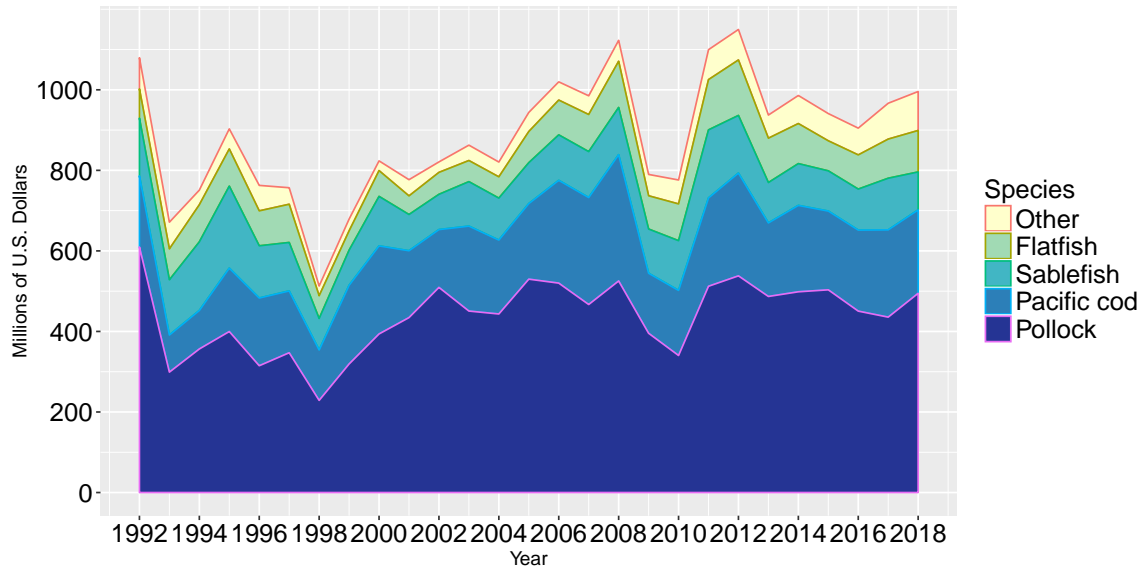


Figure 2.3: Real ex-vessel value of the groundfish catch in the commercial fisheries off Alaska by species, 1992-2018 (base year = 2018).

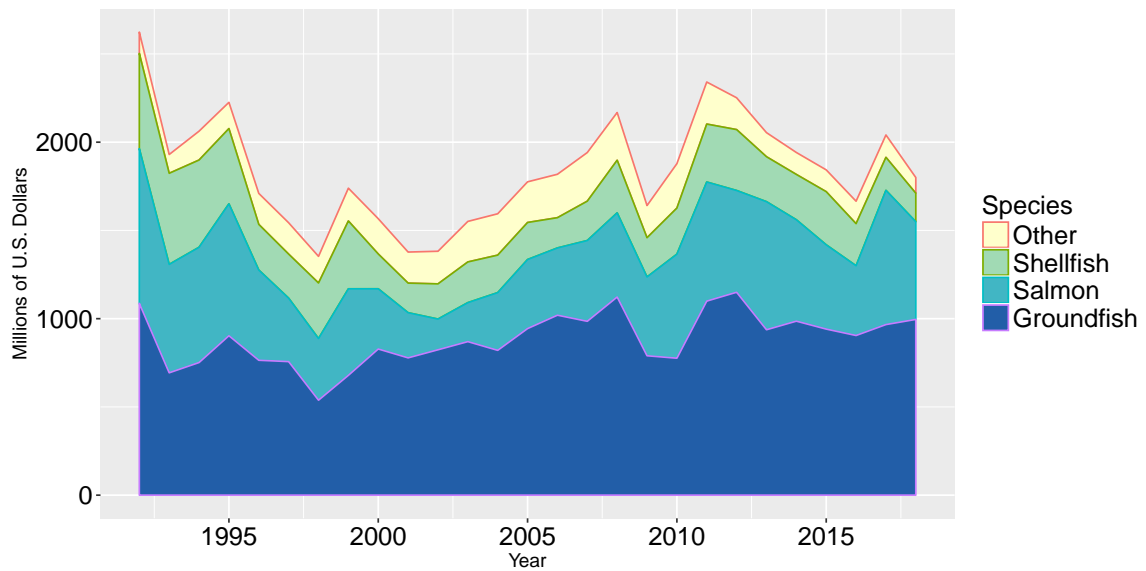


Figure 2.4: Real ex-vessel value of the domestic fish and shellfish catch off Alaska by species group, 1992-2018 (base year = 2018).

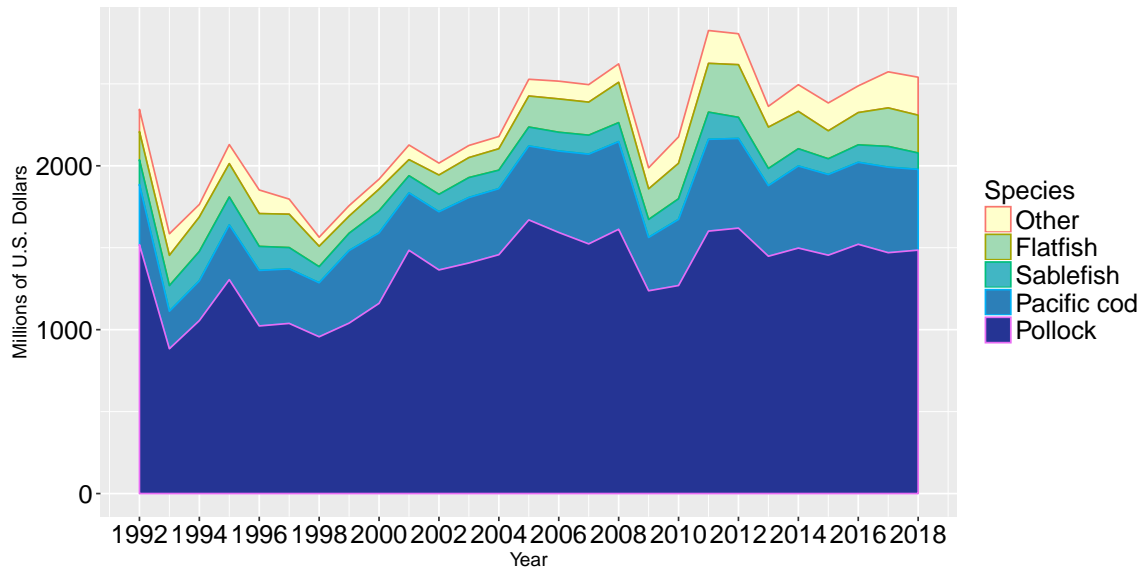


Figure 2.5: Real gross product value of the groundfish catch off Alaska by species, 1992-2018 (base year = 2018).

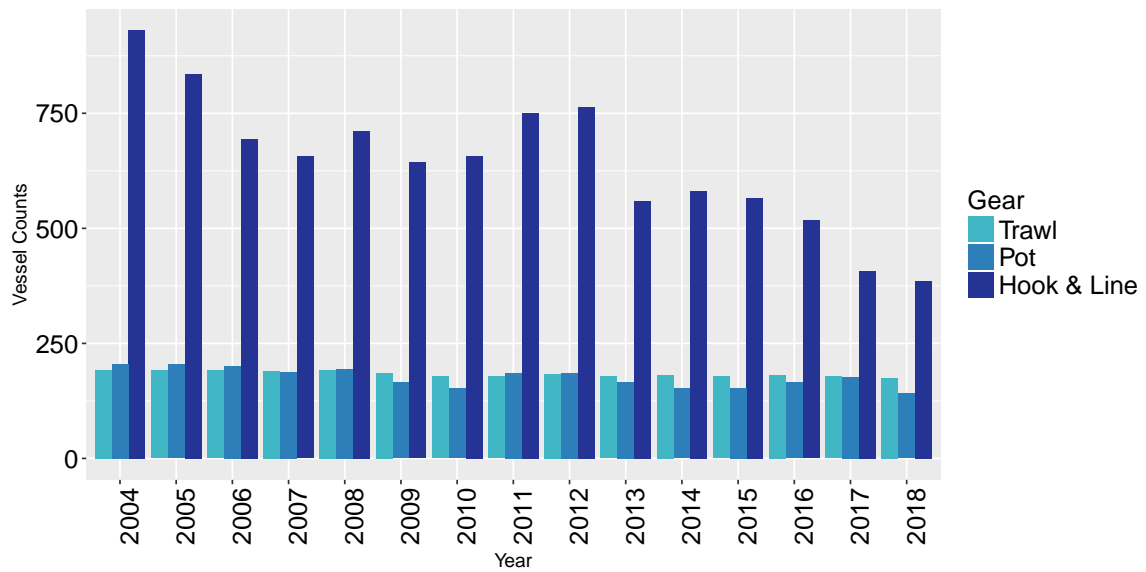


Figure 2.6: Number of vessels in the domestic fishery off Alaska by gear type, 2004-2018.

### 3. TABLES REPORTING ECONOMIC DATA OF THE GROUND FISH FISHERIES OFF ALASKA

Table 1: Groundfish catch in the commercial fisheries off Alaska by area and species, 2009-2018 (1,000 metric tons, round weight).

	Year	Pollock	Sablefish	Pacific Cod	Flatfish	Rockfish	Atka Mackerel	Total
Bering Sea and Aleutian Islands	2009	812.5	2.0	175.8	226.3	19.5	72.8	1,337.1
	2010	811.7	1.8	171.9	253.3	23.5	68.6	1,354.5
	2011	1,200.4	1.7	220.1	285.9	28.2	51.8	1,818.5
	2012	1,206.3	1.9	251.0	291.2	28.1	47.8	1,857.9
	2013	1,273.8	1.7	250.3	297.2	34.9	23.2	1,914.6
	2014	1,300.2	1.1	249.3	276.1	36.1	31.0	1,928.5
	2015	1,323.2	0.6	242.1	219.2	39.6	53.3	1,914.2
	2016	1,354.9	0.9	260.9	225.2	36.9	54.5	1,969.4
	2017	1,361.0	1.7	253.1	211.1	38.4	64.4	1,969.4
	2018	1,381.2	2.3	220.3	212.2	42.0	70.4	1,966.7
Gulf of Alaska	2009	44.2	12.0	53.2	42.3	22.8	2.2	185.6
	2010	76.7	11.0	78.4	37.6	25.5	2.4	238.8
	2011	81.5	12.1	85.4	41.0	23.1	1.6	252.1
	2012	104.0	12.7	77.9	29.5	27.4	1.2	258.9
	2013	96.4	12.8	68.6	33.9	24.9	1.3	250.2
	2014	142.6	11.1	84.9	47.6	28.9	1.0	326.3
	2015	167.6	11.1	79.5	26.7	29.0	1.2	324.6
	2016	177.1	10.0	64.1	28.1	34.0	1.1	324.4
	2017	186.2	11.3	48.7	33.3	31.8	1.1	321.1
	2018	158.1	13.0	15.2	25.8	34.2	1.4	255.8
All Alaska	2009	856.8	14.0	229.0	268.6	42.3	75.0	1,522.7
	2010	888.4	12.8	250.2	290.9	49.0	71.1	1,593.4
	2011	1,281.9	13.8	305.5	327.0	51.3	53.4	2,070.6
	2012	1,310.2	14.7	328.9	320.7	55.5	49.0	2,116.8
	2013	1,370.2	14.5	318.9	331.1	59.9	24.5	2,164.8
	2014	1,442.9	12.3	334.2	323.6	64.9	32.0	2,254.8
	2015	1,490.8	11.7	321.5	245.9	68.7	54.5	2,238.8
	2016	1,532.1	10.9	325.0	253.3	70.9	55.6	2,293.7
	2017	1,547.1	13.0	301.8	244.4	70.2	65.5	2,290.5
	2018	1,539.3	15.3	235.5	238.0	76.2	71.8	2,222.5

**Notes:** The estimates are of total catch (i.e., retained and discarded catch). These estimates include catch from both federal and state of Alaska fisheries. As such, totals may be slightly larger than retained catch estimates provided in later tables.

**Source:** NMFS Office of Science and Technology, Fisheries Statistics Division, Fisheries of the United States. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 2: Groundfish retained catch off Alaska by area, sector, and species, 2014-2018 (1,000 metric tons, round weight).

	Year	Bering Sea and Aleutian Islands			Gulf of Alaska			All Alaska		
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Pollock	2014	668.50	616.20	1,284.71	139.60	1.52	141.12	808.11	617.72	1,425.83
	2015	687.15	626.45	1,313.60	165.10	1.08	166.18	852.25	627.53	1,479.77
	2016	703.95	641.77	1,345.72	175.50	0.57	176.07	879.45	642.33	1,521.78
	2017	710.38	642.24	1,352.62	183.26	1.07	184.33	893.65	643.31	1,536.96
	2018	718.33	651.42	1,369.75	155.28	0.60	155.88	873.61	652.02	1,525.64
Sablefish	2014	0.84	0.25	1.09	9.55	0.96	10.51	10.39	1.21	11.61
	2015	0.48	0.14	0.62	9.24	0.94	10.18	9.72	1.08	10.80
	2016	0.40	0.39	0.80	8.28	0.78	9.06	8.69	1.17	9.86
	2017	0.70	0.76	1.46	9.05	1.02	10.08	9.76	1.79	11.54
	2018	0.83	0.95	1.78	9.51	1.02	10.53	10.34	1.97	12.31
Pacific Cod	2014	79.08	165.39	244.47	72.33	7.15	79.48	151.40	172.54	323.95
	2015	68.44	170.58	239.01	71.09	6.36	77.45	139.53	176.93	316.46
	2016	86.05	171.64	257.69	57.89	5.20	63.10	143.94	176.84	320.78
	2017	87.97	162.10	250.07	41.87	6.10	47.97	129.84	168.20	298.04
	2018	82.48	135.53	218.01	12.65	1.75	14.39	95.12	137.27	232.40
Flatfish	2014	3.25	247.78	251.02	17.79	22.89	40.68	21.03	270.67	291.70
	2015	11.80	195.96	207.75	11.06	10.51	21.57	22.85	206.47	229.32
	2016	14.68	196.76	211.44	17.76	5.85	23.61	32.44	202.61	235.05
	2017	21.15	177.44	198.60	14.52	14.79	29.30	35.67	192.23	227.90
	2018	16.56	180.84	197.40	17.69	4.91	22.60	34.25	185.75	220.00

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Table 2: Continued

	Year	Bering Sea and Aleutian Islands			Gulf of Alaska			All Alaska		
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Rockfish	2014	0.48	31.85	32.33	11.83	13.99	25.83	12.31	45.85	58.16
	2015	3.12	34.40	37.52	12.28	14.41	26.69	15.40	48.82	64.22
	2016	2.54	32.79	35.34	15.19	15.64	30.83	17.73	48.43	66.17
	2017	2.53	32.97	35.49	11.31	15.61	26.93	13.84	48.58	62.42
	2018	3.51	35.29	38.80	14.70	16.71	31.41	18.21	52.00	70.20
Atka Mackerel	2014	0.10	27.77	27.87	0.01	0.92	0.92	0.11	28.69	28.79
	2015	3.21	49.26	52.47	0.04	0.84	0.87	3.25	50.10	53.35
	2016	3.68	50.38	54.06	0.37	0.39	0.76	4.05	50.77	54.82
	2017	4.57	59.48	64.05	0.13	0.52	0.65	4.70	60.00	64.71
	2018	5.65	63.86	69.51	0.19	1.10	1.28	5.84	64.96	70.79
All Groundfish	2014	753.51	1,097.43	1,850.94	253.05	47.66	300.71	1,006.56	1,145.09	2,151.65
	2015	776.46	1,084.56	1,861.02	270.74	34.36	305.10	1,047.20	1,118.92	2,166.12
	2016	811.84	1,100.54	1,912.38	276.47	28.64	305.10	1,088.31	1,129.17	2,217.48
	2017	828.42	1,084.37	1,912.79	261.14	39.40	300.54	1,089.56	1,123.77	2,213.33
	2018	829.18	1,079.90	1,909.08	210.94	26.19	237.12	1,040.12	1,106.08	2,146.20

**Notes:** The estimates are of retained catch (i.e., excludes discarded catch). All groundfish include additional species categories. These estimates include only catch counted against federal TACs. Includes FMP groundfish catch on halibut targets. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.



Table 3: Groundfish ex-vessel value off Alaska by area, sector, and species, 2014-2018 (\$ millions).

	Year	Bering Sea and Aleutian Islands			Gulf of Alaska			All Alaska		
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Pollock	2014	226.8	208.4	435.1	37.8	0.4	38.2	264.6	208.8	473.3
	2015	227.8	207.9	435.7	43.5	0.3	43.8	271.3	208.2	479.5
	2016	210.1	191.5	401.5	32.2	0.1	32.3	242.2	191.6	433.8
	2017	206.5	185.1	391.6	35.0	0.2	35.2	241.5	185.3	426.8
	2018	237.3	215.1	452.4	42.0	0.2	42.2	279.3	215.3	494.6
Sablefish	2014	7.4	1.9	9.3	81.6	7.4	89.0	89.0	9.3	98.3
	2015	3.9	1.0	4.9	82.5	7.5	90.0	86.4	8.5	94.9
	2016	3.5	1.8	5.3	85.6	7.0	92.6	89.1	8.7	97.8
	2017	5.8	3.3	9.1	105.8	10.4	116.2	111.7	13.7	125.3
	2018	3.1	2.7	5.8	81.4	7.0	88.4	84.4	9.7	94.1
Pacific Cod	2014	47.9	103.3	151.2	47.2	4.7	52.0	95.1	108.0	203.2
	2015	37.6	98.4	136.0	45.9	4.2	50.1	83.6	102.6	186.2
	2016	49.7	103.1	152.8	37.5	3.4	40.9	87.2	106.5	193.7
	2017	60.7	116.4	177.0	30.8	4.5	35.3	91.5	120.9	212.3
	2018	72.0	120.7	192.7	12.5	1.7	14.2	84.5	122.5	206.9
Flatfish	2014	1.0	77.6	78.6	5.7	7.3	13.0	6.7	84.9	91.6
	2015	3.6	60.0	63.7	3.4	3.3	6.7	7.1	63.3	70.4
	2016	5.2	70.0	75.2	4.5	1.5	6.0	9.8	71.4	81.2
	2017	9.3	77.9	87.2	3.8	3.9	7.6	13.1	81.7	94.8
	2018	8.1	88.3	96.3	4.9	1.4	6.3	13.0	89.6	102.6

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Table 3: Continued

	Year	Bering Sea and Aleutian Islands			Gulf of Alaska			All Alaska		
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Rockfish	2014	0.3	16.8	17.1	6.1	5.8	11.9	6.4	22.6	29.0
	2015	1.4	15.1	16.5	6.2	6.0	12.2	7.6	21.1	28.8
	2016	1.0	12.9	13.9	7.4	6.4	13.8	8.4	19.3	27.7
	2017	1.2	15.6	16.8	5.7	6.3	12.0	6.9	21.9	28.8
	2018	1.7	16.5	18.2	7.6	7.1	14.7	9.3	23.6	32.9
Atka Mackerel	2014	0.1	21.6	21.7	0.0	0.8	0.8	0.1	22.3	22.4
	2015	1.8	27.9	29.7	0.0	0.6	0.6	1.8	28.4	30.3
	2016	2.1	28.1	30.1	0.2	0.3	0.5	2.3	28.3	30.6
	2017	3.6	46.7	50.2	0.1	0.4	0.6	3.7	47.1	50.8
	2018	4.3	48.9	53.3	0.1	0.9	1.0	4.5	49.8	54.3
All Groundfish	2014	284.0	438.2	722.2	180.3	26.7	207.0	464.3	464.9	929.2
	2015	276.7	412.9	689.6	183.6	22.0	205.6	460.3	434.9	895.2
	2016	271.8	410.9	682.7	168.8	18.9	187.7	440.6	429.8	870.4
	2017	287.6	450.6	738.2	182.3	26.0	208.2	469.8	476.6	946.4
	2018	327.1	499.9	826.9	149.5	18.4	167.9	476.6	518.2	994.8

**Notes:** Ex-vessel value is calculated by multiplying ex-vessel prices by the retained round weight catch. The value added by at-sea processing is not included in these estimates of ex-vessel value. All groundfish includes additional species categories. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 4: Catch and real ex-vessel value of the commercial fisheries off Alaska by species group and area, 2014-2018; calculations based on COAR (1,000 metric tons and \$ millions, base year = 2018).

Species.group	Bering Sea and Aleutian Islands		Gulf of Alaska		All Alaska		
	Quantity	Value	Quantity	Value	Quantity	Value	
2014	Groundfish	1,864.9	\$ 766.6	304.0	\$ 219.3	2,168.9	\$ 986.0
	Salmon	88.2	\$ 257.6	219.4	\$ 355.1	307.6	\$ 612.7
	Halibut	1.3	\$ 16.6	6.5	\$ 94.2	7.9	\$ 110.8
	Herring	24.7	\$ 1.9	18.4	\$ 10.0	43.1	\$ 11.9
	Shellfish	36.5	\$ 257.6	4.5	\$ 36.6	41.0	\$ 294.2
	Other	-	\$ -	1.1	\$ 5.9	1.1	\$ 5.9
	All Species	2,015.6	\$ 1,300.3	553.9	\$ 721.1	2,569.6	\$ 2,021.4
2015	Groundfish	1,861.1	\$ 723.9	308.1	\$ 217.1	2,169.3	\$ 941.0
	Salmon	102.8	\$ 149.6	368.1	\$ 327.0	470.9	\$ 476.6
	Halibut	1.4	\$ 18.6	6.8	\$ 99.0	8.2	\$ 117.6
	Herring	21.3	\$ 2.0	9.4	\$ 5.3	30.7	\$ 7.3
	Shellfish	41.6	\$ 275.1	3.8	\$ 26.1	45.3	\$ 301.3
	Other	-	\$ -	1.3	\$ 7.0	1.3	\$ 7.0
	All Species	2,028.2	\$ 1,169.2	697.5	\$ 681.5	2,725.7	\$ 1,850.7
2016	Groundfish	1,912.5	\$ 708.9	307.7	\$ 195.9	2,220.3	\$ 904.8
	Salmon	110.1	\$ 227.1	134.6	\$ 238.5	244.8	\$ 465.6
	Halibut	1.5	\$ 20.4	6.9	\$ 103.2	8.4	\$ 123.5
	Herring	13.8	\$ 1.8	9.6	\$ 4.9	23.3	\$ 6.7
	Shellfish	29.2	\$ 255.8	3.2	\$ 24.4	32.4	\$ 280.2
	Other	-	\$ -	1.2	\$ 7.2	1.2	\$ 7.2
	All Species	2,067.1	\$ 1,214.0	463.3	\$ 574.1	2,530.4	\$ 1,788.1
2017	Groundfish	1,913.2	\$ 753.6	301.9	\$ 213.1	2,215.2	\$ 966.6
	Salmon	115.4	\$ 314.7	330.0	\$ 444.0	445.4	\$ 758.7
	Halibut	1.7	\$ 19.7	7.7	\$ 99.8	9.3	\$ 119.5
	Herring	17.6	\$ 2.4	13.3	\$ 5.7	30.9	\$ 8.1
	Shellfish	16.0	\$ 164.6	2.7	\$ 22.3	18.8	\$ 186.9
	Other	-	\$ -	1.0	\$ 8.3	1.0	\$ 8.3
	All Species	2,063.9	\$ 1,255.1	656.6	\$ 793.1	2,720.6	\$ 2,048.2
2018	Groundfish	1,909.4	\$ 827.2	238.9	\$ 168.6	2,148.2	\$ 995.8
	Salmon	116.2	\$ 301.4	133.8	\$ 249.8	249.9	\$ 551.2
	Halibut	1.6	\$ 14.7	6.8	\$ 73.3	8.4	\$ 88.0
	Herring	16.8	\$ 2.3	3.7	\$ 4.3	20.5	\$ 6.6
	Shellfish	14.6	\$ 130.2	4.6	\$ 31.0	19.2	\$ 161.2
	Other	-	\$ -	1.4	\$ 11.2	1.4	\$ 11.2
	All Species	2,058.6	\$ 1,275.7	389.1	\$ 538.1	2,447.7	\$ 1,813.8

**Notes:** These estimates include the value of catch from both federal and state of Alaska fisheries. The data have been adjusted to 2018 dollars by applying the Personal Consumption Expenditure Index at <https://research.stlouisfed.org/fred2/series/PCEPI> to account for affects of inflation on fishermen's revenue.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea Production Reports; ADF&G Commercial Operators Annual Reports (COAR); and NMFS Office of Science and Technology, Fisheries Statistics Division, Fisheries of the United States. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 5: Production and real gross value of groundfish and non-groundfish products in the commercial fisheries off Alaska by species group and area of processing, 2014-2018 (1,000 metric tons product weight and \$ millions, base year = 2018).

Species	Bering Sea and Aleutian Islands		Gulf of Alaska		All Alaska		
	Quantity	Value	Quantity	Value	Quantity	Value	
2014	Groundfish	843.8	\$ 2,082.1	131.1	\$ 412.8	974.9	\$ 2,494.9
	Salmon	58.1	\$ 478.8	176.8	\$ 1,018.8	234.9	\$ 1,497.5
	Halibut	0.6	\$ 9.4	5.5	\$ 107.6	6.2	\$ 117.0
	Herring	19.5	\$ 17.9	20.4	\$ 25.9	39.9	\$ 43.8
	Shellfish	23.2	\$ 344.4	3.8	\$ 62.0	27.0	\$ 406.4
	Other	0	\$ 0.5	1.2	\$ 20.1	1.2	\$ 20.7
	All Species	945.2	\$ 2,933.1	338.9	\$ 1,647.2	1,284.1	\$ 4,580.2
2015	Groundfish	819.0	\$ 2,015.6	126.0	\$ 368.0	945.0	\$ 2,383.5
	Salmon	70.9	\$ 441.9	270.8	\$ 1,090.9	341.7	\$ 1,532.9
	Halibut	3.4	\$ 22.7	6.1	\$ 118.2	9.5	\$ 140.9
	Herring	17.7	\$ 19.5	10.1	\$ 12.5	27.8	\$ 32.0
	Shellfish	25.4	\$ 338.7	3.9	\$ 59.5	29.4	\$ 398.2
	Other	0	\$ 0.6	1.0	\$ 18.5	1.0	\$ 19.0
	All Species	936.5	\$ 2,839.0	418.0	\$ 1,667.6	1,354.4	\$ 4,506.5
2016	Groundfish	838.2	\$ 2,111.6	134.9	\$ 376.2	973.1	\$ 2,487.8
	Salmon	73.6	\$ 542.9	130.3	\$ 774.1	204.0	\$ 1,317.1
	Halibut	2.4	\$ 32.4	5.8	\$ 112.4	8.2	\$ 144.7
	Herring	10.2	\$ 16.0	10.7	\$ 13.6	20.9	\$ 29.6
	Shellfish	18.0	\$ 313.4	3.9	\$ 64.4	22.0	\$ 377.8
	Other	0	\$ 0.3	1.1	\$ 21.2	1.1	\$ 21.5
	All Species	942.5	\$ 3,016.6	286.7	\$ 1,361.9	1,229.2	\$ 4,378.5
2017	Groundfish	823.7	\$ 2,198.8	136.8	\$ 374.7	960.5	\$ 2,573.5
	Salmon	74.6	\$ 622.2	258.0	\$ 1,311.4	332.7	\$ 1,933.6
	Halibut	1.2	\$ 23.0	6.3	\$ 116.6	7.5	\$ 139.7
	Herring	16.9	\$ 14.9	14.2	\$ 13.7	31.1	\$ 28.6
	Shellfish	11.4	\$ 227.9	1.7	\$ 29.9	13.2	\$ 257.8
	Other	*	\$ *	2.1	\$ 33.0	2.1	\$ 33.0
	All Species	927.8	\$ 3,086.9	419.1	\$ 1,879.3	1,347.0	\$ 4,966.2
2018	Groundfish	823.1	\$ 2,243.9	113.5	\$ 296.7	936.6	\$ 2,540.5
	Salmon	79.8	\$ 743.4	133.1	\$ 821.1	212.9	\$ 1,564.5
	Halibut	0.9	\$ 15.4	5.6	\$ 95.1	6.5	\$ 110.5
	Herring	12.7	\$ 10.6	3.7	\$ 8.4	16.4	\$ 19.0
	Shellfish	9.6	\$ 173.4	2.7	\$ 52.8	12.2	\$ 226.2
	Other	*	\$ *	1.5	\$ 18.7	1.5	\$ 18.7
	All Species	926.1	\$ 3,186.8	260.2	\$ 1,292.7	1,186.2	\$ 4,479.5

**Notes:** These estimates include production resulting from catch in both federal and state of Alaska fisheries. The data have been adjusted to 2018 dollars by applying the GDP: chain-type price index at <https://research.stlouisfed.org/fred2/series/GDPCTPI>. to account for affects of inflation on processor's revenue. "\*" indicates a confidential value; "-" indicates no applicable data or value.

**Source:** ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 6: Discards and discard rates for groundfish catch off Alaska by gear, and species, 2014-2018 (1,000 metric tons, round weight).

	Year	Fixed		Trawl		All Gear	
		Total Discards	Discard Rate	Total Discards	Discard Rate	Total Discards	Discard Rate
Pollock	2014	0.7	11	15.1	1	15.9	1
	2015	0.8	10	10.1	1	10.9	1
	2016	0.8	12	9.4	1	10.2	1
	2017	0.8	11	9.3	1	10.1	1
	2018	0.6	10	12.8	1	13.5	1
Sablefish	2014	0.5	5	0.1	8	0.6	5
	2015	0.7	6	0.2	16	0.9	7
	2016	0.9	9	0.2	14	1.0	10
	2017	0.8	7	0.6	27	1.4	11
	2018	0.9	8	2.0	52	2.9	19
Pacific Cod	2014	4.9	2	4.1	4	9.0	3
	2015	3.5	2	1.2	1	4.8	1
	2016	3.5	2	0.5	1	4.1	1
	2017	2.8	1	0.9	1	3.7	1
	2018	2.3	1	0.7	1	3.0	1
Flatfish	2014	3.9	82	18.5	6	22.4	7
	2015	3.8	76	10.3	4	14.1	6
	2016	3.1	76	12.9	5	16.0	6
	2017	2.9	70	12.1	5	15.1	6
	2018	3.1	83	13.6	6	16.7	7
Rockfish	2014	1.0	46	3.4	5	4.4	7
	2015	0.9	42	3.4	5	4.3	6
	2016	0.8	42	3.7	5	4.6	6
	2017	0.9	46	6.7	10	7.6	11
	2018	1.1	49	4.8	7	5.9	8
Atka Mackerel	2014	0	96	0.4	1	0.5	1
	2015	0	100	1.1	2	1.1	2
	2016	0	97	0.5	1	0.6	1
	2017	0	70	0.7	1	0.8	1
	2018	0	79	0.7	1	0.7	1
All Groundfish	2014	35.8	12	50.0	3	85.8	4
	2015	36.1	12	33.4	2	69.5	3
	2016	38.5	13	34.9	2	73.4	3
	2017	36.5	13	38.6	2	75.2	3
	2018	32.1	14	42.1	2	74.2	3

**Notes:** All groundfish and all gear may include additional species or gear types. There were substantial changes to the observer program in 2013 that could affect the comparability of 2013 and later years, to previous years. For details on discard estimation see Cahalan, J., J. Gasper, and J. Mondragon. 2014. Catch sampling and estimation in the federal groundfish fisheries off Alaska, 2015 edition. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-286, 46 p.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 7: Prohibited species catch (PSC) by species, area and gear, 2014-2018 (metric tons (t) or number in 1,000s).

	Year	Halibut (t)	Herring (t)	Chinook (1,000s)	Other Salmon (1,000s)	Red King Crab (1,000s)	Other King Crab (1,000s)	Bairdi (1,000s)	Other Tanner (1,000s)
Fixed	2014	456	-	0	-	145	5	593	105
	2015	326	0	0	0	182	32	633	138
	2016	225	*	0	0	27	16	315	43
	2017	193	0	0	0	35	77	357	168
	2018	133	0	0	0	339	48	271	67
Bering Sea and Aleutian Islands	2014	3,029	186	18	224	33	24	624	484
	2015	1,999	1,531	25	243	25	15	424	492
	2016	1,910	1,494	33	347	41	15	221	167
	2017	1,179	1,023	36	471	60	11	353	160
	2018	1,017	542	17	309	31	16	184	1,583
All Gear	2014	3,485	186	18	224	178	29	1,217	590
	2015	2,324	1,531	25	243	207	48	1,057	630
	2016	2,135	1,494	33	347	68	31	536	210
	2017	1,373	1,023	36	471	95	88	710	327
	2018	1,149	542	17	309	370	64	455	1,650
Fixed	2014	10	-	-	-	-	0	133	0
	2015	22	-	-	-	0	0	128	-
	2016	44	-	-	-	0	0	63	0
	2017	15	-	-	-	-	0	4	0
	2018	1	-	-	-	0	0	18	-
Gulf of Alaska	2014	1,397	6	16	2	-	0	64	-
	2015	1,412	80	19	1	-	0	76	-
	2016	1,334	148	22	3	-	1	92	0
	2017	1,216	6	25	6	-	0	125	-
	2018	1,108	43	17	9	-	0	242	-
All Gear	2014	1,407	6	16	2	-	0	198	0
	2015	1,435	80	19	1	0	0	204	-
	2016	1,378	148	22	3	0	1	155	0
	2017	1,231	6	25	6	-	0	129	0
	2018	1,109	43	17	9	0	0	260	-

**Notes:** These estimates include only catches counted against federal TACs. Totals may include additional categories. Totals include halibut mortality taken by Amendment 80 vessels under the Exempted Fishing Permit No. 2015-02. The estimates of halibut bycatch mortality are based on the IPHC discard mortality rates that were used for in-season management. The halibut IFQ program allows retention of halibut in the hook-and-line groundfish fisheries, making true halibut bycatch numbers unavailable for these fisheries. This is particularly a problem in the GOA for all hook-and-line fisheries and in the BSAI for the sablefish hook-and-line fishery. Therefore, estimates of halibut bycatch mortality are not included in this table for those fisheries. There were substantial changes to the observer program in 2013 that could affect the comparability of 2013 and later years, to previous years. Excludes PSC on halibut targets. Excludes PSC in state fisheries (sablefish and P. cod targets in state waters) For details on prohibited species catch estimation see Cahalan, J., J. Gasper, and J. Mondragon. 2014. Catch sampling and estimation in the federal groundfish fisheries off Alaska, 2015 edition. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-286, 46 p. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 8: Percentage of ex-vessel value of the groundfish catch off Alaska by area, residency, and species, 2014-2018; calculations based on COAR.

	Year	Bering Sea and Aleutian Islands		Gulf of Alaska		All Alaska	
		Alaska	Other	Alaska	Other	Alaska	Other
Pollock	2014	18 %	82 %	42 %	58 %	20 %	80 %
	2015	18 %	82 %	41 %	59 %	20 %	80 %
	2016	18 %	82 %	45 %	55 %	20 %	80 %
	2017	14 %	86 %	49 %	51 %	17 %	83 %
	2018	14 %	86 %	48 %	52 %	17 %	83 %
Sablefish	2014	31 %	69 %	56 %	44 %	54 %	46 %
	2015	36 %	64 %	56 %	44 %	55 %	45 %
	2016	32 %	68 %	59 %	41 %	58 %	42 %
	2017	38 %	62 %	61 %	39 %	59 %	41 %
	2018	27 %	73 %	62 %	38 %	61 %	39 %
Pacific Cod	2014	25 %	75 %	73 %	27 %	37 %	63 %
	2015	29 %	71 %	81 %	19 %	43 %	57 %
	2016	30 %	70 %	80 %	20 %	41 %	59 %
	2017	29 %	71 %	73 %	27 %	37 %	63 %
	2018	28 %	72 %	70 %	30 %	30 %	70 %
Flatfish	2014	10 %	90 %	24 %	76 %	12 %	88 %
	2015	12 %	88 %	32 %	68 %	14 %	86 %
	2016	10 %	90 %	48 %	52 %	13 %	87 %
	2017	12 %	88 %	42 %	58 %	14 %	86 %
	2018	12 %	88 %	60 %	40 %	15 %	85 %
Rockfish	2014	3 %	97 %	27 %	73 %	13 %	87 %
	2015	3 %	97 %	26 %	74 %	13 %	87 %
	2016	1 %	99 %	28 %	72 %	14 %	86 %
	2017	6 %	94 %	41 %	59 %	20 %	80 %
	2018	12 %	88 %	39 %	61 %	24 %	76 %
Atka Mackerel	2014	0 %	100 %	4 %	96 %	0 %	100 %
	2015	0 %	100 %	4 %	96 %	0 %	100 %
	2016	0 %	100 %	30 %	70 %	0 %	99 %
	2017	12 %	88 %	29 %	71 %	12 %	88 %
	2018	11 %	89 %	17 %	83 %	11 %	89 %
All Groundfish	2014	18 %	82 %	54 %	46 %	26 %	74 %
	2015	18 %	82 %	56 %	44 %	27 %	73 %
	2016	19 %	81 %	59 %	41 %	27 %	73 %
	2017	17 %	83 %	59 %	41 %	27 %	73 %
	2018	17 %	83 %	57 %	43 %	24 %	76 %

**Notes:** These estimates include only catches counted against federal TACs. Ex-vessel value is calculated using prices on Table 18. Please refer to Table 18 for a description of the price derivation. Catch delivered to motherships is classified by the residency of the owner of the mothership. All other catch is classified by the residence of the owner of the fishing vessel. All groundfish include additional species categories. For catch for which the residence is unknown, there are either no data or the data have been suppressed to preserve confidentiality. Values are not adjusted for inflation.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea Production Reports; ADF&G Commercial Operators Annual Reports (COAR); and CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 9: Number of vessels that caught groundfish off Alaska by area, vessel category, gear, and target, 2014-2018.

	Year	Bering Sea and Aleutian Islands			Gulf of Alaska			All Alaska		
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Pollock	2014	87	34	121	70	2	72	138	34	172
	2015	87	33	120	64	1	65	131	33	164
	2016	89	33	122	70	-	70	138	33	171
	2017	87	31	118	65	-	65	133	31	164
	2018	88	27	115	69	2	71	136	28	164
Sablefish	2014	17	6	23	277	7	284	287	11	298
	2015	16	3	19	272	7	279	281	9	290
	2016	17	6	23	270	5	275	278	10	288
	2017	14	6	20	265	5	270	272	9	281
	2018	16	8	24	269	6	275	278	12	290
Pacific Cod	2014	109	47	156	331	10	341	422	49	471
	2015	100	49	149	371	11	382	451	52	503
	2016	110	52	162	347	11	358	435	53	488
	2017	125	45	170	237	9	246	328	45	373
	2018	141	49	190	148	3	151	261	50	311
Flatfish	2014	4	31	35	27	6	33	31	32	63
	2015	6	28	34	16	5	21	22	29	51
	2016	9	30	39	26	5	31	35	31	66
	2017	8	26	34	19	4	23	27	27	54
	2018	9	26	35	33	4	37	41	27	68

Continued on next page.



Table 9: Continued

	Year	Bering Sea and Aleutian Islands			Gulf of Alaska			All Alaska		
		Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total	Catcher Vessels	Catcher Processors	Total
Rockfish	2014	4	19	23	173	9	182	177	21	198
	2015	5	15	20	139	8	147	143	18	161
	2016	3	18	21	130	12	142	133	21	154
	2017	3	16	19	126	11	137	129	19	148
	2018	4	21	25	112	9	121	116	24	140
Atka Mackerel	2014	3	8	11	-	-	-	3	8	11
	2015	5	9	14	-	-	-	5	9	14
	2016	4	9	13	2	-	2	6	9	15
	2017	4	12	16	-	1	1	4	13	17
	2018	4	14	18	1	2	3	5	16	21
All Targets	2014	173	68	241	672	24	696	796	72	868
	2015	165	69	234	671	22	693	787	72	859
	2016	170	71	241	628	26	654	744	73	817
	2017	178	68	246	521	22	543	641	70	711
	2018	191	66	257	467	16	483	588	68	656

**Notes:** The target is determined based on vessel, week, catching mode, NMFS area, and gear. These estimates include only vessels that fished part of federal TACs. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; CFEC gross earnings (fish tickets) file; NMFS Alaska Region groundfish observer data; NMFS Alaska Region permit data; CFEC vessel registration file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 10: Bering Sea & Aleutian Islands groundfish retained catch by vessel type, gear and species, 2014-2018 (1,000 metric tons, round weight).

	Year	Catcher Vessels			Catcher Processors				Total				
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Pollock	2014	-	-	668.5	668.5	-	-	610.8	616.2	-	-	1,279.3	1,284.7
	2015	-	-	687.1	687.2	-	-	620.1	626.4	-	-	1,307.2	1,313.6
	2016	-	-	703.9	704.0	-	-	636.0	641.8	-	-	1,339.9	1,345.7
	2017	-	-	710.4	710.4	-	-	635.9	642.2	-	-	1,346.2	1,352.6
	2018	-	-	718.3	718.3	-	-	646.1	651.4	-	-	1,364.5	1,369.8
Pacific Cod	2014	2.2	34.9	42.1	79.1	122.4	7.6	35.4	165.4	124.6	42.5	77.4	244.5
	2015	0.8	29.9	37.7	68.4	127.9	8.0	34.7	170.5	128.7	37.9	72.4	239.0
	2016	0	39.4	46.5	86.0	126.9	7.6	37.1	171.6	126.9	47.1	83.7	257.6
	2017	0.1	43.2	44.7	88.0	124.3	5.8	31.9	162.1	124.4	49.0	76.7	250.0
	2018	0.9	42.2	39.3	82.5	100.9	4.3	30.3	135.5	101.8	46.5	69.6	217.9
Sablefish	2014	0.5	*	*	0.5	0.2	-	0.1	0.2	0.7	*	0.1	0.8
	2015	0.4	0.1	0	0.5	0.1	-	0	0.1	0.5	0.1	0	0.6
	2016	0.2	*	0	0.2	0.1	-	0.3	0.4	0.3	*	0.3	0.6
	2017	0.2	*	0.1	0.2	0.1	*	0.5	0.5	0.2	*	0.5	0.7
	2018	0.2	0.3	0.3	0.8	0.1	*	0.6	0.7	0.3	0.3	0.9	1.5
Atka Mackerel	2014	-	-	0.1	0.1	*	-	27.8	27.8	*	-	27.9	27.9
	2015	*	-	3.2	3.2	*	-	49.3	49.3	*	-	52.5	52.5
	2016	*	-	3.7	3.7	*	-	50.4	50.4	*	-	54.1	54.1
	2017	-	-	4.4	4.4	0	-	59.4	59.4	0	-	63.8	63.8
	2018	-	-	5.6	5.7	0	-	63.8	63.9	0	-	69.5	69.5
Yellowfin	2014	-	-	0.3	0.3	0	-	145.8	145.8	0	-	146.0	146.1
	2015	-	-	8.0	8.0	0	-	115.1	115.1	0	-	123.0	123.1
	2016	-	-	10.8	10.8	*	-	120.4	120.4	*	-	131.2	131.2
	2017	-	-	15.2	15.2	0.1	-	113.3	113.4	0.1	-	128.6	128.6
	2018	-	-	12.2	12.3	0.2	-	114.9	115.0	0.2	-	127.1	127.3
Rock Sole	2014	-	-	1.1	1.1	*	-	48.3	48.3	*	-	49.5	49.5
	2015	-	-	1.1	1.1	*	-	43.2	43.2	*	-	44.3	44.3
	2016	-	-	2.4	2.4	*	-	40.9	40.9	*	-	43.3	43.3
	2017	-	-	3.1	3.1	0	-	30.8	30.8	0	-	33.9	33.9
	2018	*	-	1.6	1.6	0	-	25.6	25.6	0	-	27.1	27.1

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Table 10: Continued

	Year	Catcher Vessels				Catcher Processors				Total			
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Flathead Sole	2014	*	-	0.9	0.9	0	-	14.1	14.1	0	-	15.0	15.0
	2015	-	-	0.8	0.8	0	-	9.2	9.2	0	-	10.1	10.1
	2016	-	-	0.4	0.4	-	-	8.6	8.6	-	-	9.0	9.0
	2017	-	-	0.6	0.6	0	-	7.5	7.5	0	-	8.1	8.1
	2018	-	-	0.8	0.8	*	-	9.4	9.4	*	-	10.2	10.2
Arrowtooth	2014	*	-	0.2	0.2	0.1	-	16.4	16.5	0.1	-	16.6	16.7
	2015	*	-	0.3	0.3	0.1	-	9.1	9.2	0.1	-	9.3	9.4
	2016	*	-	0.2	0.2	0	-	8.8	8.8	0	-	9.0	9.0
	2017	*	-	0.1	0.1	0.2	-	5.2	5.4	0.2	-	5.3	5.6
	2018	0	-	0.2	0.2	0.1	-	5.6	5.7	0.1	-	5.8	5.9
Kamchatka Flounder	2014	-	-	*	*	0	-	5.9	5.9	0	-	5.9	5.9
	2015	-	-	0	0	0	-	4.6	4.6	0	-	4.6	4.6
	2016	-	-	0	0	0	-	4.5	4.5	0	-	4.5	4.5
	2017	-	-	0.1	0.1	0	-	4.1	4.1	0	-	4.1	4.2
	2018	-	-	0	0	0	-	2.8	2.8	0	-	2.9	2.9
Turbot	2014	*	-	0	0	0.6	-	0.7	1.4	0.6	-	0.7	1.4
	2015	*	-	0	0	1.1	-	1.0	2.0	1.1	-	1.0	2.1
	2016	*	-	0	0	0.9	-	1.2	2.1	0.9	-	1.2	2.1
	2017	-	-	0	0	0.9	-	1.8	2.7	0.9	-	1.8	2.7
	2018	-	-	0	0	0.3	-	1.5	1.7	0.3	-	1.5	1.7
Other Flatfish	2014	-	-	0.4	0.4	*	-	15.7	15.7	*	-	16.0	16.0
	2015	-	-	1.5	1.5	0	-	12.6	12.6	0	-	14.1	14.1
	2016	-	-	0.9	0.9	*	-	11.4	11.4	*	-	12.3	12.3
	2017	-	-	2.0	2.0	*	-	13.4	13.4	*	-	15.4	15.4
	2018	-	-	1.7	1.7	*	-	20.5	20.5	*	-	22.2	22.2
Pacific Ocean Perch	2014	*	-	0.4	0.4	0	-	29.0	29.0	0	-	29.4	29.4
	2015	*	-	2.8	2.8	0	-	27.2	27.2	0	-	30.0	30.0
	2016	*	-	2.3	2.3	*	-	28.0	28.0	*	-	30.3	30.3
	2017	-	-	2.3	2.3	0	-	28.0	28.0	0	-	30.3	30.3
	2018	*	-	3.0	3.0	0	-	29.4	29.4	0	-	32.4	32.4

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Table 10: Continued

	Year	Catcher Vessels				Catcher Processors				Total			
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Northern Rockfish	2014	-	-	0	0	0	-	1.9	1.9	0	-	1.9	1.9
	2015	-	-	0.2	0.2	0	-	6.5	6.6	0	-	6.7	6.7
	2016	*	-	0.2	0.2	0	-	4.0	4.0	0	-	4.2	4.2
	2017	-	-	0.2	0.2	0	-	4.2	4.2	0	-	4.4	4.4
	2018	*	-	0.4	0.4	0	-	4.8	4.9	0	-	5.2	5.2
Other Rockfish	2014	0	-	0	0.1	0.1	-	0.8	0.9	0.1	-	0.8	1.0
	2015	0	-	0.1	0.1	0.1	-	0.6	0.7	0.1	-	0.7	0.8
	2016	0	-	0	0.1	0	-	0.7	0.7	0.1	-	0.7	0.8
	2017	0	-	0	0.1	0	-	0.7	0.8	0.1	-	0.8	0.8
	2018	0	-	0.1	0.1	0	-	1.0	1.0	0.1	-	1.0	1.1
Other Groundfish	2014	0	-	1.2	1.3	6.6	-	1.6	8.2	6.6	-	2.8	9.4
	2015	0	-	2.2	2.3	6.6	-	1.1	7.8	6.6	-	3.3	10.0
	2016	0	-	0.5	0.5	5.1	-	1.7	6.8	5.1	-	2.1	7.3
	2017	*	-	1.0	1.1	7.7	-	1.7	9.4	7.7	-	2.7	10.5
	2018	0	-	1.6	1.8	9.5	-	2.5	12.0	9.5	-	4.2	13.8
All Groundfish	2014	2.7	-	715.1	752.8	135.4	-	954.4	1,097.4	138.1	-	1,669.5	1,850.1
	2015	1.2	-	745.2	776.5	142.3	-	934.2	1,084.5	143.4	-	1,679.4	1,860.9
	2016	0.3	-	771.8	811.6	138.9	-	953.9	1,100.4	139.2	-	1,725.7	1,912.1
	2017	0.3	-	784.2	827.8	139.6	-	938.4	1,083.9	139.9	-	1,722.6	1,911.6
	2018	1.2	-	785.2	829.2	116.3	-	959.0	1,079.5	117.4	-	1,744.2	1,908.7

**Notes:** The estimates are of retained catch (i.e., excludes discarded catch). All groundfish include additional species categories. These estimates include only catch counted against federal TACs. Includes FMP groundfish catch on halibut targets. "\*" indicates a confidential value; "-" indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 11: Bering Sea & Aleutian Islands groundfish retained catch by species, gear, and target fishery, 2017-2018, (1,000 metric tons, round weight).

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellowfin	Flat Other	Rockfish	Atka Mackerel	Other	All Species
Hook and Line	Sablefish	-	0.1	-	*	*	-	-	*	-	-	0	-	*	0.1
	2017 Pacific	6.4	0	124.3	0.2	0	0	0	0.1	0.1	*	0	0	7.7	138.8
	Turbot	*	*	*	*	*	-	-	0.8	-	-	*	-	*	0.8
	Halibut	-	-	*	-	-	-	-	-	-	-	-	-	-	*
	All Targets	6.4	0.1	124.3	0.2	0	0	0	0.9	0.1	*	0	0	7.7	139.6
	Sablefish	-	0	-	*	-	-	-	*	-	-	0	-	-	0
	2018 Pacific	5.3	0	100.8	0.1	0	*	0	0.1	0.2	*	0	0	9.5	116.0
	Turbot	*	0	*	*	*	-	-	0.2	-	*	0	-	*	0.2
	Rockfish	*	*	-	-	*	-	-	*	-	-	0	-	-	0
	Halibut	-	-	*	-	-	-	-	-	-	-	-	-	-	-
	All Targets	5.3	0.1	100.9	0.1	0	*	0	0.3	0.2	*	0	0	9.5	116.3
	Catcher Vessels	Sablefish	-	0.1	*	-	-	-	-	-	-	-	0	-	-
2017 Pacific		-	*	0.1	-	-	-	-	-	-	-	-	-	-	0.1
Cod		-	0.1	0	*	-	-	-	-	-	-	0	-	*	0.1
Halibut		-	0.1	0	*	-	-	-	-	-	-	0	-	*	0.1
All Targets		-	0.2	0.1	*	-	-	-	-	-	-	0	-	*	0.3
Sablefish		-	0.1	*	-	-	-	-	-	-	-	0	-	-	0.1
2018 Pacific		*	*	0.9	0	-	-	*	-	-	-	0	-	*	0.9
Cod		-	0.1	0	*	-	-	-	-	-	-	0	-	0	0.2
Halibut		-	0.1	0	*	-	-	-	-	-	-	0	-	0	0.2
All Targets		*	0.2	0.9	0	-	-	*	-	-	-	0	-	0	1.2
Pot	Sablefish	-	*	*	*	*	-	-	*	-	-	*	-	-	*
	2017 Pacific	0	-	5.8	-	-	-	-	-	*	-	-	-	*	5.8
	Cod	0	-	5.8	*	*	-	-	*	*	-	*	-	*	5.8
	All Targets	0	*	5.8	*	*	-	-	*	*	-	*	-	*	5.8
	Sablefish	-	*	*	*	*	-	-	-	-	-	-	-	-	*
	2018 Pacific	*	-	4.3	-	-	-	-	-	*	-	*	*	*	4.3
	Cod	*	-	4.3	*	*	-	-	-	*	-	*	*	*	4.3
	Halibut	*	*	4.3	*	*	-	-	-	*	-	*	*	*	4.3
	All Targets	*	*	4.3	*	*	-	-	-	*	-	*	*	*	4.3
	Sablefish	-	*	-	-	-	-	-	-	-	-	-	-	-	*
2017 Pacific	0	*	43.2	*	-	0	0	-	0	*	0	0	0.1	43.2	
Cod	0	*	43.2	*	-	0	0	-	0	*	0	0	0.1	43.2	
All Targets	0	*	43.2	*	-	0	0	-	0	*	0	0	0.1	43.2	
Sablefish	-	0.3	-	-	-	-	-	-	-	-	*	-	*	0.3	
2018 Pacific	0	*	42.2	0	-	0	0	-	0.1	0	0	0	0.2	42.5	
Cod	0	*	42.2	0	-	0	0	-	0.1	0	0	0	0.2	42.5	
All Targets	0	0.3	42.2	0	-	0	0	-	0.1	0	0	0	0.2	42.8	

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Table 11: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellowfin	Flat Other	Rockfish	Atka Mackerel	Other	All Species			
Trawl	Catcher Processors	Pollock, Bottom	19.7	0	0.3	0.1	0	0.1	0.2	0	0.2	0	1.4	0	0.1	22.1		
		Pollock, Pelagic	590.0	0	2.0	0	0	0.4	0.8	0	0.2	0	1.1	0	0.4	595.1		
		Sablefish	*	*	*	*	*	*	*	*	*	*	*	-	-	*		
		Pacific Cod	0.6	*	4.2	0	0	0	0.8	*	0.2	0.1	0	*	0	5.9		
		2017 Arrowtooth	0.5	0.1	0.3	1.8	0.4	0.3	0.1	0.2	0	0.2	0.1	*	0	3.8		
		Kamchatka Flounder	0.2	0.1	0	0.5	2.4	0	*	0.3	*	0	0.1	0	*	3.6		
		Flathead Sole	1.6	*	0.8	0.4	0.1	2.9	1.1	0.1	2.8	0.7	*	*	0	10.5		
		Rock Sole	4.8	0	7.9	0.1	0	0.8	17.6	-	15.2	2.1	*	-	0.1	48.7		
		Turbot	0.2	0.1	0	0.6	0.3	0.1	0	1.1	*	0.1	0.1	-	0	2.5		
		Yellowfin	16.6	*	11.9	1.0	0.1	2.8	10.1	0	94.6	9.7	*	*	0.6	147.5		
		Other Flatfish	0.1	0.1	0.1	0.2	0.1	0.1	0	0	0.1	0.5	0	-	*	1.4		
		Rockfish	1.2	0.1	0.7	0.3	0.3	0	0	0	0	0	20.5	5.1	0.1	28.4		
		Atka Mackerel	0.4	0	3.6	0.1	0.3	0	0	0	0	0	9.7	54.2	0.4	68.8		
		All Targets	635.9	0.5	31.9	5.2	4.1	7.5	30.8	1.8	113.3	13.4	32.9	59.4	1.7	938.4		
		2018	Catcher Processors	Pollock, Bottom	9.0	*	0.2	0.1	0	0.1	0.1	*	0.4	0.1	0.7	0	0	10.7
				Pollock, Pelagic	607.5	0	1.7	0.1	0	0.4	0.5	0	0.2	0	0.7	0	0.4	611.5
				Sablefish	0.1	0.4	0	0.1	0.1	0	*	0	-	0	0	-	*	0.6
				Pacific Cod	1.0	-	6.8	0	0	0	1.8	-	0.1	0	0	*	0.1	9.9
				Arrowtooth	0.1	0	0	0.4	0.1	0.1	0	0.1	0	0	0	*	0	0.9
				Kamchatka Flounder	0.1	0	0	0.4	1.3	0	*	0.2	*	0	0.1	*	*	2.1
Flathead Sole	1.9			-	1.3	0.9	0	4.4	0.9	0	3.2	0.5	*	*	0.2	13.4		
Rock Sole	4.5			*	5.3	0.2	0	0.4	13.7	-	13.1	4.1	*	-	0.2	41.5		
Turbot	0.2			*	0	0.2	0.4	0.2	-	1.1	*	0.1	0.2	-	0	2.3		
Yellowfin	19.6			*	11.3	2.6	0.2	3.7	8.4	0	96.8	12.9	*	*	1.2	156.6		
Other Flatfish	0.4			*	0.4	0.1	0	0	0.1	0	1.1	2.8	0	-	0	4.9		
Rockfish	1.4			0.1	0.5	0.2	0.3	0.1	0	0.1	0	0	21.2	5.2	0.1	29.2		
Atka Mackerel	0.6			0.1	2.8	0.3	0.4	0	0.1	0	0	0	12.3	58.6	0.4	75.6		
All Targets	646.1			0.6	30.3	5.6	2.8	9.4	25.6	1.5	114.9	20.5	35.2	63.8	2.5	959.0		

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Table 11: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Kamchatka Flounder	Flathead Sole	Rock Sole	Turbot	Yellowfin	Flat Other	Rockfish	Atka Mackerel	Other	All Species			
Trawl	Catcher Vessels	Pollock, Bottom	11.3	0	0.7	0	*	0	0	*	0	0	0.1	*	0	12.1		
		Pollock, Pelagic	696.4	0	3.0	0	*	0.3	0.3	0	0	0.1	0.6	0	0.7	701.5		
		2017 Pacific Cod	0.3	0	38.2	0	0	0	0.3	-	0.1	0	0	*	0.1	39.0		
		Flathead Sole	*	-	*	*	*	*	*	-	*	*	-	-	*	*		
		Rock Sole	0.2	-	0.3	-	*	0	0.7	-	0.9	0.2	-	-	0	2.3		
		Yellowfin	1.9	*	2.2	0.1	0	0.2	1.8	*	14.3	1.7	-	-	0.1	22.3		
		Other Flatfish	-	-	*	-	-	-	*	-	*	*	-	-	-	*		
		Rockfish	0.2	*	0.1	*	*	*	*	*	-	*	1.5	0.3	*	1.9		
		Atka Mackerel	0.1	*	0.3	0	0.1	*	0	*	*	*	0.4	4.2	0.1	5.1		
		All Targets	710.4	0.1	44.7	0.1	0.1	0.6	3.1	0	15.2	2.0	2.5	4.4	1.0	784.2		
		2018	Catcher Vessels	Pollock, Bottom	12.2	0	0.1	0	*	0	0	*	0	0.3	0.3	0.2	13.1	
				Pollock, Pelagic	704.2	0.3	2.2	0.1	0	0.4	0.3	0	0.1	0.1	0.8	0.2	1.0	709.7
				2018 Pacific Cod	0.4	*	35.0	0	0	0	0.1	-	0	0	0	*	0.1	35.7
				Flathead Sole	0.1	-	0.1	*	*	0.1	0.1	-	0.4	0.1	-	-	0.1	1.0
				Rock Sole	0.1	-	0.1	-	-	*	0.2	-	0.3	0.1	-	-	*	0.7
				Yellowfin	1.3	-	1.2	0.1	0	0.2	0.8	*	11.4	1.2	-	-	0.1	16.2
				Other Flatfish	0	-	0	-	-	*	0	-	0.1	0.1	-	-	*	0.2
				Rockfish	0	*	0.1	0	0	*	*	*	-	*	1.7	0.3	*	2.1
				Atka Mackerel	0.1	*	0.6	0	0	*	0	*	-	*	0.7	4.9	0.1	6.4
All Targets	718.3			0.3	39.3	0.2	0	0.8	1.6	0	12.2	1.7	3.5	5.6	1.6	785.2		
All Gear	Catch Proc.	2017 All Targets	642.2	0.5	162.1	5.4	4.1	7.5	30.8	2.7	113.4	13.4	32.9	59.4	9.4	1,083.9		
		2018 All Targets	651.4	0.7	135.5	5.7	2.8	9.4	25.6	1.7	115.0	20.5	35.3	63.9	12.0	1,079.5		
	Catch Vess.	2017 All Targets	710.4	0.2	88.0	0.1	0.1	0.6	3.1	0	15.2	2.0	2.5	4.4	1.1	827.8		
		2018 All Targets	718.3	0.8	82.5	0.2	0	0.8	1.6	0	12.3	1.7	3.5	5.7	1.8	829.2		

**Notes:** Totals may include additional categories. The target is derived from an algorithm used to determine preponderance of catch, accounting for processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 12: Bering Sea & Aleutian Islands ex-vessel prices in the groundfish fisheries by gear, and species, 2014-2018; calculations based on COAR (\$/lb, round weight).

	Year	Shoreside			At Sea			All Sectors		
		Fixed	Trawl	All Gear	Fixed	Trawl	All Gear	Fixed	Trawl	All Gear
Pollock	2014	0.097	0.155	0.155	0.097	0.148	0.148	0.097	0.151	0.151
	2015	0.170	0.154	0.154	0.170	0.134	0.134	0.170	0.142	0.143
	2016	0.134	0.139	0.139	0.020	0.117	0.117	0.020	0.127	0.126
	2017	0.015	0.137	0.137	0.015	0.105	0.104	0.015	0.119	0.118
	2018	0.145	0.156	0.156	0.145	0.119	0.119	0.145	0.135	0.135
Pacific Cod	2014	0.288	0.260	0.274	0.297	0.271	0.291	0.295	0.266	0.286
	2015	0.263	0.234	0.248	0.297	0.232	0.282	0.290	0.233	0.273
	2016	0.278	0.249	0.264	0.292	0.246	0.280	0.289	0.247	0.275
	2017	0.332	0.296	0.316	0.340	0.283	0.326	0.338	0.288	0.323
	2018	0.410	0.384	0.399	0.437	0.349	0.413	0.429	0.365	0.408
Sablefish	2014	4.001	*	4.001	4.001	1.317	3.379	4.001	1.317	3.856
	2015	3.720	1.278	3.720	3.720	1.278	3.268	3.720	1.278	3.613
	2016	4.010	1.193	3.975	4.010	1.193	2.032	4.010	1.193	3.017
	2017	3.980	1.172	3.769	3.980	1.172	1.875	3.980	1.172	2.741
	2018	2.121	0.809	1.690	2.121	0.809	1.276	2.121	0.809	1.467
Atka Mackerel	2014	0.341	0.353	0.352	*	0.353	0.353	0.341	0.353	0.353
	2015	0.279	0.257	0.257	*	0.257	0.257	0.279	0.257	0.257
	2016	0.016	0.253	0.243	*	0.253	0.253	0.016	0.253	0.253
	2017	0.015	0.356	0.352	0.015	0.356	0.356	0.015	0.356	0.356
	2018	0.203	0.348	0.347	0.203	0.348	0.348	0.203	0.348	0.348
Yellowfin	2014	0.131	0.126	0.126	0.131	0.126	0.126	0.131	0.126	0.126
	2015	0.003	0.129	0.129	0.003	0.129	0.129	0.003	0.129	0.129
	2016	0.014	0.147	0.139	*	0.147	0.147	0.014	0.147	0.147
	2017	0.015	0.176	0.156	0.015	0.176	0.176	0.015	0.176	0.176
	2018	0.015	0.216	0.175	0.015	0.216	0.216	0.015	0.216	0.216
Rock Sole	2014	*	0.153	0.153	*	0.153	0.153	*	0.153	0.153
	2015	*	0.146	0.146	*	0.146	0.146	*	0.146	0.146
	2016	0.113	0.167	0.167	*	0.167	0.167	0.113	0.167	0.167
	2017	0.015	0.194	0.194	0.015	0.194	0.194	0.015	0.194	0.194
	2018	0.015	0.237	0.237	0.015	0.237	0.237	0.015	0.237	0.237

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Table 12: Continued

	Year	Shoreside			At Sea			All Sectors		
		Fixed	Trawl	All Gear	Fixed	Trawl	All Gear	Fixed	Trawl	All Gear
Flathead Sole	2014	0.131	0.176	0.176	0.131	0.176	0.176	0.131	0.176	0.176
	2015	0.015	0.148	0.148	0.003	0.148	0.147	0.004	0.148	0.147
	2016	0.113	0.194	0.193	-	0.193	0.193	0.113	0.193	0.193
	2017	0.015	0.221	0.220	0.015	0.221	0.221	0.015	0.221	0.221
	2018	0.016	0.257	0.256	*	0.257	0.257	0.016	0.257	0.257
Arrowtooth	2014	*	0.201	0.201	0.131	0.201	0.201	0.131	0.201	0.201
	2015	*	0.182	0.182	0.003	0.182	0.181	0.003	0.182	0.181
	2016	0.113	0.213	0.211	0.113	0.213	0.213	0.113	0.213	0.213
	2017	*	0.324	0.324	0.015	0.324	0.312	0.015	0.324	0.312
	2018	0.016	0.218	0.217	0.015	0.218	0.214	0.015	0.218	0.214
Kamchatka Flounder	2014	-	-	-	0.131	0.183	0.183	0.131	0.183	0.183
	2015	-	*	*	0.003	0.165	0.165	0.003	0.165	0.165
	2016	-	-	-	0.113	0.206	0.206	0.113	0.206	0.206
	2017	-	-	-	0.015	0.367	0.365	0.015	0.367	0.365
	2018	-	*	*	0.015	0.316	0.314	0.015	0.316	0.314
Turbot	2014	0.131	0.474	0.225	0.131	0.474	0.318	0.131	0.474	0.318
	2015	*	0.502	0.502	0.003	0.502	0.249	0.003	0.502	0.250
	2016	*	0.649	0.649	0.113	0.649	0.413	0.113	0.649	0.414
	2017	-	0.689	0.689	0.015	0.689	0.460	0.015	0.689	0.460
	2018	-	0.685	0.685	0.015	0.685	0.589	0.015	0.685	0.589
Other Flatfish	2014	*	0.420	0.420	*	0.141	0.141	*	0.143	0.143
	2015	-	0.415	0.415	0.003	0.135	0.135	0.003	0.137	0.137
	2016	0.113	0.366	0.364	*	0.145	0.145	0.113	0.146	0.146
	2017	*	0.405	0.405	*	0.229	0.229	*	0.229	0.229
	2018	0.015	0.208	0.204	0.015	0.169	0.169	0.015	0.169	0.169
Pacific Ocean Perch	2014	0.630	0.238	0.241	0.630	0.238	0.238	0.630	0.238	0.239
	2015	*	0.209	0.209	0.833	0.209	0.209	0.833	0.209	0.209
	2016	0.780	0.180	0.180	*	0.180	0.180	0.780	0.180	0.180
	2017	*	0.218	0.218	1.001	0.218	0.218	1.001	0.218	0.218
	2018	*	0.217	0.217	0.771	0.217	0.217	0.771	0.217	0.217

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Table 12: Continued

	Year	Shoreside			At Sea			All Sectors		
		Fixed	Trawl	All Gear	Fixed	Trawl	All Gear	Fixed	Trawl	All Gear
Northern Rockfish	2014	-	0.179	0.179	0.630	0.179	0.179	0.630	0.179	0.179
	2015	*	0.149	0.149	0.833	0.149	0.149	0.833	0.149	0.149
	2016	*	0.127	0.127	0.780	0.127	0.127	0.780	0.127	0.127
	2017	*	0.152	0.152	1.001	0.152	0.153	1.001	0.152	0.153
	2018	*	0.156	0.156	0.771	0.156	0.157	0.771	0.156	0.157
Other Rockfish	2014	0.639	0.191	0.565	0.630	0.425	0.444	0.634	0.423	0.451
	2015	0.823	0.366	0.745	0.833	0.277	0.344	0.830	0.278	0.365
	2016	0.721	0.301	0.646	0.780	0.351	0.390	0.764	0.351	0.400
	2017	0.932	0.327	0.802	1.001	0.381	0.424	0.984	0.381	0.436
	2018	0.894	0.295	0.722	0.771	0.296	0.313	0.819	0.296	0.325
Other Groundfish	2014	0.568	0.151	0.183	0.568	0.151	0.477	0.568	0.151	0.440
	2015	0.154	0.122	0.122	0.154	0.049	0.136	0.154	0.093	0.133
	2016	0.280	0.150	0.171	0.280	0.017	0.213	0.280	0.042	0.210
	2017	0.306	0.207	0.217	0.306	0.015	0.246	0.306	0.067	0.243
	2018	0.324	0.181	0.198	0.324	0.024	0.253	0.324	0.072	0.248

**Notes:** Prices are for catch from both federal and state of Alaska fisheries. The ex-vessel price is calculated as value of landings divided by estimated or actual round weight. Prices for catch processed by an at-sea processor without a COAR buying record (e.g., from catcher processors) are set using the prices for the matching species (group), region and gear-types for which buying records exist shoreside. Trawl-caught sablefish, rockfish and flatfish in the BSAI and trawl-caught Atka mackerel in both the BSAI and the GOA are not well represented in the COAR buying records. A price was calculated for these categories from product-report prices; the price in this case is the value of the first wholesale products divided by the calculated round weight and multiplied by a constant 0.4 to correct for value added by processing. The “All Alaska/All gear” column is the average weighted by retained catch. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 13: Bering Sea & Aleutian Islands ex-vessel value of the groundfish catch by vessel category, gear, and species, 2014-2018; calculations based on COAR (\$ millions).

	Year	Catcher Vessel			Catcher Processor				All Sectors				
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Pollock	2014	-	-	226.54	226.55	-	-	200.28	201.43	-	-	426.82	427.97
	2015	-	-	227.42	227.42	-	-	182.91	185.30	-	-	410.33	412.72
	2016	-	-	209.36	209.36	-	-	165.24	165.50	-	-	374.61	374.86
	2017	-	-	205.54	205.54	-	-	147.13	147.35	-	-	352.68	352.89
	2018	-	-	236.67	236.67	-	-	169.88	171.56	-	-	406.56	408.24
Pacific Cod	2014	1.38	22.13	21.27	44.77	80.21	4.99	24.74	109.94	81.59	27.12	46.01	154.71
	2015	0.45	17.33	16.33	34.12	83.66	5.22	20.84	109.72	84.12	22.55	37.17	143.84
	2016	0.04	24.18	20.42	44.64	81.58	4.89	25.20	111.67	81.62	29.07	45.62	156.31
	2017	0.08	31.63	22.40	54.10	93.25	4.38	26.36	123.99	93.33	36.01	48.75	178.09
	2018	0.84	38.16	26.07	65.07	97.20	4.12	29.90	131.22	98.04	42.28	55.97	196.29
Sablefish	2014	4.54	*	*	4.54	1.73	-	0.17	1.90	6.27	*	0.17	6.45
	2015	2.92	0.98	0	3.90	0.98	-	0.08	1.06	3.90	0.98	0.08	4.96
	2016	1.96	*	0.01	1.97	1.04	-	0.73	1.76	2.99	*	0.74	3.73
	2017	1.41	*	0.14	1.55	0.73	*	1.61	2.34	2.14	*	1.75	3.89
	2018	1.01	1.59	0.49	3.08	0.28	*	1.11	1.38	1.28	1.59	1.59	4.47
Atka Mackerel	2014	-	-	0.08	0.08	-	-	23.67	23.67	-	-	23.75	23.75
	2015	-	-	0.02	0.02	-	-	29.67	29.67	-	-	29.69	29.69
	2016	-	-	0.01	0.01	-	-	30.13	30.13	-	-	30.14	30.14
	2017	-	-	0.01	0.01	-	-	50.24	50.24	-	-	50.25	50.25
	2018	-	-	0.39	0.39	-	-	53.02	53.03	-	-	53.42	53.42
Yellowfin	2014	-	-	0.07	0.07	0.01	-	42.07	42.08	0.01	-	42.14	42.15
	2015	-	-	0.03	0.03	0	-	35.07	35.07	0	-	35.10	35.10
	2016	-	-	0.01	0.01	*	-	42.52	42.52	*	-	42.53	42.53
	2017	-	-	0.01	0.01	0	-	50.00	50.00	0	-	50.01	50.01
	2018	-	-	0.13	0.13	0.01	-	60.38	60.38	0.01	-	60.51	60.52
Rock Sole	2014	-	-	0.27	0.27	*	-	16.50	16.50	*	-	16.76	16.76
	2015	-	-	0.10	0.10	*	-	14.13	14.13	*	-	14.24	14.24
	2016	-	-	0.09	0.09	*	-	15.86	15.86	*	-	15.95	15.95
	2017	-	-	0.15	0.15	0	-	14.37	14.37	0	-	14.52	14.52
	2018	*	-	0.19	0.19	0	-	14.02	14.02	0	-	14.21	14.21

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Table 13: Continued

	Year	Catcher Vessel			Catcher Processor				All Sectors				
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Flathead Sole	2014	*	-	0.34	0.34	0	-	5.53	5.54	0	-	5.87	5.87
	2015	-	-	0.15	0.15	0	-	3.13	3.13	0	-	3.28	3.28
	2016	-	-	0.11	0.11	-	-	3.74	3.74	-	-	3.85	3.85
	2017	-	-	0.15	0.15	0	-	3.80	3.80	0	-	3.95	3.95
	2018	-	-	0.21	0.21	*	-	5.55	5.55	*	-	5.76	5.76
Arrowtooth	2014	*	-	0.09	0.09	0.03	-	7.31	7.34	0.03	-	7.40	7.43
	2015	*	-	0.03	0.03	0	-	3.73	3.73	0	-	3.76	3.76
	2016	0	-	0.02	0.02	0.01	-	4.19	4.20	0.01	-	4.21	4.22
	2017	*	-	0.04	0.04	0.01	-	3.82	3.83	0.01	-	3.86	3.87
	2018	0	-	0.05	0.05	0	-	2.73	2.74	0	-	2.78	2.78
Kamchatka Flounder	2014	-	-	*	*	0	-	2.38	2.39	0	-	2.38	2.39
	2015	-	-	0	0	0	-	1.68	1.68	0	-	1.68	1.68
	2016	-	-	*	*	0	-	2.06	2.06	0	-	2.06	2.06
	2017	-	-	*	*	0	-	3.41	3.41	0	-	3.41	3.41
	2018	-	-	0	0	0	-	1.99	1.99	0	-	1.99	1.99
Turbot	2014	0	-	0	0	0.18	-	0.79	0.98	0.18	-	0.80	0.98
	2015	*	-	0.01	0.01	0.01	-	1.13	1.14	0.01	-	1.14	1.15
	2016	*	-	0	0	0.24	-	1.73	1.96	0.24	-	1.73	1.97
	2017	-	-	0	0	0.03	-	2.74	2.77	0.03	-	2.74	2.77
	2018	-	-	0.01	0.01	0.01	-	2.27	2.28	0.01	-	2.28	2.29
Other Flatfish	2014	-	-	0.13	0.13	*	-	5.14	5.14	*	-	5.26	5.26
	2015	-	-	0.08	0.08	0	-	4.19	4.19	0	-	4.26	4.26
	2016	-	-	0.06	0.06	*	-	3.90	3.90	*	-	3.96	3.96
	2017	-	-	0.08	0.08	*	-	7.76	7.76	*	-	7.84	7.84
	2018	-	-	0.07	0.07	0	-	8.19	8.19	0	-	8.26	8.26
Pacific Ocean Perch	2014	0	-	0.20	0.20	0	-	16.30	16.30	0	-	16.50	16.50
	2015	*	-	0.33	0.33	0	-	13.50	13.50	0	-	13.84	13.84
	2016	0	-	0.25	0.25	*	-	11.78	11.78	0	-	12.03	12.03
	2017	-	-	0.31	0.31	0	-	14.24	14.24	0	-	14.56	14.56
	2018	*	-	0.54	0.54	0	-	14.98	14.98	0	-	15.53	15.53

Continued on next page.

Table 13: Continued

	Year	Catcher Vessel			Catcher Processor				All Sectors				
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Northern Rockfish	2014	-	-	0.02	0.02	0	-	0.85	0.85	0	-	0.87	0.87
	2015	-	-	0.01	0.01	0	-	2.21	2.21	0	-	2.22	2.22
	2016	*	-	0	0	0	-	1.19	1.19	0	-	1.19	1.19
	2017	-	-	0	0	0.01	-	1.46	1.47	0.01	-	1.47	1.48
	2018	*	-	0.01	0.01	0.01	-	1.80	1.81	0.01	-	1.81	1.81
Other Rockfish	2014	0.07	-	0	0.07	0.12	-	0.81	0.92	0.18	-	0.81	1.00
	2015	0.06	-	0.01	0.07	0.17	-	0.41	0.57	0.23	-	0.41	0.65
	2016	0.04	-	0	0.05	0.13	-	0.59	0.72	0.17	-	0.60	0.77
	2017	0.04	-	0	0.05	0.13	-	0.68	0.82	0.18	-	0.69	0.86
	2018	0.04	-	0.01	0.05	0.06	-	0.68	0.74	0.11	-	0.68	0.80
Other Groundfish	2014	0.01	-	0.38	0.49	8.23	-	0.61	8.83	8.24	-	0.98	9.33
	2015	0	-	0.54	0.56	2.25	-	0.14	2.39	2.25	-	0.69	2.96
	2016	0	-	0.13	0.18	3.16	-	0.07	3.23	3.16	-	0.20	3.41
	2017	*	-	0.34	0.40	5.19	-	0.07	5.25	5.19	-	0.41	5.65
	2018	0	-	0.51	0.64	6.78	-	0.15	6.93	6.78	-	0.67	7.56
All Species	2014	6.00	-	249.38	277.61	91.68	-	347.14	443.81	97.68	-	596.52	721.43
	2015	3.44	-	245.07	266.84	89.46	-	312.82	407.50	92.89	-	557.89	674.34
	2016	2.04	-	230.49	256.77	86.41	-	308.91	400.21	88.46	-	539.40	656.98
	2017	1.54	-	229.17	262.39	99.57	-	327.70	431.65	101.10	-	556.87	694.04
	2018	1.89	-	265.35	307.12	106.03	-	366.65	476.79	107.92	-	632.00	783.92

**Notes:** Ex-vessel value is calculated by multiplying ex-vessel prices by the retained round weight catch. Refer to Table 12 for a description of the price derivation. The value added by at-sea processing is not included in these estimates of ex-vessel value. All groundfish includes additional species categories. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 14: Bering Sea & Aleutian Islands vessel and permit counts, ex-vessel value, value per vessel, and percent value of BSAI FMP groundfish and all BSAI fisheries by fleet, 2014-2018; calculations based on COAR (\$ millions).

	Year	Vessels	Permits	Ex-vessel Value Per Vessel \$1,000	Ex-vessel Value \$million	Percent Value, BSAI FMP Groundfish	Percent Value, All BSAI Fisheries
AFA CV	2014	88	14	2,789.81	245.50	33.93	20.00
	2015	86	15	2,814.32	242.03	35.93	22.07
	2016	89	18	2,594.84	230.94	35.08	20.22
	2017	86	16	2,652.07	228.08	32.61	19.22
	2018	86	17	3,043.02	261.70	33.32	21.33
AFA CP	2014	17	17	12,184.00	207.13	28.62	16.88
	2015	17	17	10,984.64	186.74	27.72	17.03
	2016	16	16	10,178.78	162.86	24.74	14.26
	2017	16	16	9,909.06	158.55	22.67	13.36
	2018	15	15	10,999.95	165.00	21.01	13.45
A80	2014	18	18	7,227.05	130.09	17.98	10.60
	2015	18	18	6,477.65	116.60	17.31	10.63
	2016	19	19	6,599.32	125.39	19.05	10.98
	2017	19	19	7,867.07	149.47	21.37	12.60
	2018	19	19	8,743.66	166.13	21.16	13.54
BSAI Trawl	2014	12	9	1,131.85	13.58	1.88	1.11
	2015	13	12	969.00	12.60	1.87	1.15
	2016	13	12	1,602.91	20.84	3.17	1.82
	2017	16	15	1,354.81	21.68	3.10	1.83
	2018	21	18	1,893.74	39.77	5.06	3.24

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Table 14: Continued

	Year	Vessels	Permits	Ex-vessel Value Per Vessel \$1,000	Ex-vessel Value \$million	Percent Value, BSAI FMP Groundfish	Percent Value, All BSAI Fisheries
CV Hook and Line	2014	6	7	*	*	*	*
	2015	5	5	*	*	*	*
	2016	1	1	*	*	*	*
	2017	5	4	*	*	*	*
	2018	7	6	*	*	*	*
CP Hook and Line	2014	30	30	3,002.70	90.08	12.45	7.34
	2015	30	30	2,950.16	88.50	13.14	8.07
	2016	31	31	2,755.96	85.43	12.98	7.48
	2017	28	28	3,536.34	99.02	14.16	8.35
	2018	25	25	4,239.21	105.98	13.50	8.64
Sablefish IFQ	2014	22	10	391.70	8.62	1.19	0.70
	2015	18	8	231.84	4.17	0.62	0.38
	2016	20	7	186.27	3.73	0.57	0.33
	2017	17	10	382.27	6.50	0.93	0.55
	2018	21	9	167.77	3.52	0.45	0.29
Pot	2014	56	18	486.33	27.23	3.76	2.22
	2015	48	18	470.43	22.58	3.35	2.06
	2016	56	17	520.03	29.12	4.42	2.55
	2017	64	17	563.56	36.07	5.16	3.04
	2018	78	17	543.57	42.40	5.40	3.46

**Notes:** These tables include the value of groundfish purchases reported by processing plants, as well as by other entities, such as markets and restaurants, that normally would not report sales of groundfish products. Keep this in mind when comparing ex-vessel values in this table to gross processed-product values. The data are for catch from both federal and state of Alaska fisheries. The category "BSAI Trawl" does not include trawl vessel in the other categories (e.g. "AFA CV", "AFA CP", "A80"). Values are not adjusted for inflation.

**Source:** ADF&G Commercial Operators Annual Reports (COAR); and ADF&G Intent to Operate (ITO) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 15: Bering Sea & Aleutian Islands production of groundfish products by species, 2014-2018, (1,000 metric tons product weight).

	Product	2014			2015			2016			2017			2018		
		At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Pollock	Whole Fish	0.31	1.09	1.40	1.11	0.68	1.80	0.10	0.69	0.79	0.04	0.25	0.30	0.01	0.27	0.28
	Head And Gut	34.77	2.77	37.54	25.38	*	25.38	28.61	0.04	28.65	24.21	-	24.21	21.47	*	21.47
	Roe	11.71	8.89	20.60	12.01	6.74	18.75	10.44	3.82	14.26	11.71	6.72	18.43	13.00	7.64	20.64
	Deep-Skin Fillets	32.68	11.01	43.69	34.56	9.22	43.77	38.24	8.55	46.79	45.10	13.03	58.13	40.96	15.75	56.72
	Other Fillets	63.68	68.41	132.09	57.44	65.80	123.24	49.61	64.89	114.50	42.13	56.69	98.82	53.94	56.97	110.91
	Surimi	87.81	83.52	171.33	95.94	91.80	187.74	100.51	90.31	190.82	102.60	94.13	196.73	104.36	92.16	196.53
	Minced Fish	19.98	6.09	26.06	19.71	5.47	25.19	22.38	11.69	34.07	17.05	9.44	26.49	13.06	7.35	20.41
	Fishmeal	23.25	33.60	56.85	26.45	34.59	61.03	27.15	36.25	63.40	27.94	34.69	62.63	28.22	38.36	66.58
	Other Products	13.57	22.40	35.97	12.60	21.44	34.04	14.52	27.09	41.61	13.32	24.88	38.20	13.97	24.93	38.90
	All Products	287.75	237.78	525.54	285.20	235.74	520.94	291.54	243.34	534.89	284.10	239.84	523.94	289.00	243.43	532.44
Pacific Cod	Whole Fish	0.19	0.79	0.98	0.12	0.39	0.51	1.36	0.43	1.79	0.22	*	0.22	0.16	0.15	0.32
	Head And Gut	81.36	19.20	100.56	84.84	15.98	100.82	84.44	14.24	98.68	80.10	12.28	92.38	66.05	12.94	78.99
	Roe	0.69	2.77	3.46	0.58	1.79	2.37	0.52	1.61	2.13	0.47	1.73	2.20	1.05	2.50	3.55
	Fillets	0.15	8.27	8.42	0.20	6.08	6.28	0.14	9.89	10.03	0.14	9.88	10.01	0.14	10.23	10.36
	Other Products	3.03	7.06	10.10	5.23	5.26	10.48	6.61	7.16	13.77	7.07	7.66	14.73	6.81	7.33	14.14
	All Products	85.42	38.09	123.51	90.97	29.49	120.47	93.06	33.34	126.40	87.99	31.55	119.54	74.21	33.15	107.36
Sablefish	Head And Gut	0.15	0.54	0.69	0.08	0.38	0.46	0.22	0.28	0.50	0.42	0.45	0.87	0.56	0.40	0.96
	Other Products	0.01	0.01	0.02	0.00	0.01	0.01	0.01	0.01	0.02	0.05	0.04	0.08	0.09	0.03	0.13
	All Products	0.16	0.55	0.71	0.09	0.39	0.47	0.23	0.29	0.52	0.46	0.49	0.95	0.65	0.43	1.09

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Table 15: Continued

	Product	2014			2015			2016			2017			2018		
		At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Atka Mackerel	Whole Fish	3.17	0.08	3.25	3.31	*	3.31	2.13	0.01	2.14	6.40	*	6.40	6.62	0.29	6.91
	Head And Gut	17.12	-	17.12	29.09	-	29.09	30.53	-	30.53	35.45	-	35.45	36.21	*	36.21
	Other Products	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.02
	All Products	20.29	0.08	20.38	32.40	0.00	32.40	32.66	0.01	32.67	41.85	0.00	41.86	42.83	0.30	43.13
Yellowfin	Whole Fish	16.72	*	16.72	7.18	-	7.18	9.76	-	9.76	9.23	-	9.23	6.88	0.20	7.08
	Head And Gut	76.69	-	76.69	66.73	-	66.73	68.36	-	68.36	67.77	-	67.77	69.59	-	69.59
	Fillets	-	-	-	-	-	-	-	-	-	*	-	*	-	-	-
	Other Products	0.36	0.02	0.38	0.08	0.01	0.09	0.16	0.01	0.16	0.09	0.00	0.10	0.05	0.02	0.08
	All Products	93.77	0.02	93.79	73.98	0.01	73.99	78.28	0.01	78.28	77.10	0.00	77.10	76.53	0.23	76.75
Rock Sole	Whole Fish	2.53	*	2.53	0.47	-	0.47	0.63	*	0.63	1.56	*	1.56	0.43	0.06	0.49
	Head And Gut	25.87	-	25.87	24.48	-	24.48	23.90	-	23.90	17.33	-	17.33	14.21	*	14.21
	Fillets	0.00	-	0.00	0.01	-	0.01	*	-	*	*	*	*	0.00	-	0.00
	Other Products	0.31	0.08	0.38	0.12	0.06	0.18	0.08	0.08	0.16	0.13	0.07	0.20	0.07	0.03	0.10
	All Products	28.71	0.08	28.79	25.08	0.06	25.13	24.61	0.08	24.69	19.02	0.07	19.09	14.72	0.08	14.80
Flathead Sole	Whole Fish	0.56	0.13	0.69	0.26	0.01	0.26	0.52	*	0.52	0.10	*	0.10	0.37	0.06	0.43
	Head And Gut	6.96	-	6.96	4.45	-	4.45	4.13	-	4.13	4.03	-	4.03	5.09	*	5.09
	Fillets	*	-	*	0.00	-	0.00	-	-	-	-	-	-	*	*	*
	Other Products	0.25	0.09	0.34	0.30	0.08	0.37	0.11	0.05	0.16	0.05	0.05	0.11	0.05	0.04	0.10
	All Products	7.77	0.21	7.99	5.00	0.09	5.09	4.75	0.05	4.81	4.19	0.05	4.25	5.52	0.10	5.62

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Table 15: Continued

		2014			2015			2016			2017			2018		
Product		At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Arrowtooth	Whole Fish	0.03	*	0.03	*	*	*	0.25	*	0.25	*	-	*	*	-	*
	Head And Gut	6.89	-	6.89	4.73	*	4.73	4.39	-	4.39	3.46	-	3.46	2.92	-	2.92
	Other Products	0.05	0.09	0.14	0.03	0.03	0.06	0.01	0.02	0.03	0.01	0.02	0.03	0.01	0.04	0.05
	All Products	6.98	0.09	7.06	4.75	0.03	4.79	4.64	0.02	4.67	3.46	0.02	3.48	2.93	0.04	2.97
Kamchatka Flounder	Whole Fish	-	-	-	-	-	-	*	-	*	-	-	-	-	-	-
	Head And Gut	5.33	-	5.33	2.79	-	2.79	2.72	-	2.72	2.05	-	2.05	1.40	-	1.40
	Fishmeal	0.01	-	0.01	0.01	-	0.01	0.00	-	0.00	0.00	-	0.00	0.00	-	0.00
	Other Products	-	-	-	-	-	-	-	-	-	-	-	-	*	-	*
	All Products	5.34	-	5.34	2.80	-	2.80	2.72	-	2.72	2.05	-	2.05	1.40	-	1.40
Turbot	Whole Fish	-	*	*	-	*	*	0.03	-	0.03	-	-	-	-	-	-
	Head And Gut	0.75	*	0.75	1.19	-	1.19	1.29	*	1.29	1.75	-	1.75	1.19	-	1.19
	Other Products	0.23	0.00	0.24	0.43	0.00	0.43	0.51	0.00	0.51	0.68	0.00	0.68	0.42	0.00	0.42
	All Products	0.99	0.00	0.99	1.63	0.00	1.63	1.83	0.00	1.83	2.43	0.00	2.43	1.61	0.00	1.61
Other Flatfish	Whole Fish	1.58	*	1.58	2.37	*	2.37	2.05	*	2.05	1.33	0.04	1.37	0.36	*	0.36
	Head And Gut	6.67	-	6.67	5.73	-	5.73	4.79	*	4.79	7.11	*	7.11	11.55	*	11.55
	Fillets	-	-	-	-	-	-	-	-	-	-	*	*	-	*	*
	Other Products	0.09	0.01	0.11	0.01	0.02	0.02	0.02	0.01	0.03	0.01	0.01	0.02	0.04	0.01	0.05
	All Products	8.34	0.01	8.36	8.11	0.02	8.13	6.87	0.01	6.87	8.45	0.04	8.49	11.95	0.01	11.96
Pacific Ocean Perch	Whole Fish	*	0.21	0.21	-	0.37	0.37	0.31	0.43	0.74	0.41	0.41	0.82	2.08	0.13	2.21
	Head And Gut	15.95	*	15.95	14.90	*	14.90	14.15	*	14.15	13.82	*	13.82	14.17	*	14.17
	Other Products	0.04	0.01	0.05	0.09	0.07	0.16	0.21	0.02	0.23	0.27	0.03	0.30	0.19	0.06	0.25
	All Products	15.98	0.23	16.21	14.99	0.44	15.42	14.67	0.45	15.12	14.50	0.44	14.94	16.44	0.19	16.63

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Table 15: Continued

		2014			2015			2016			2017			2018		
	Product	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Northern Rockfish	Whole Fish	*	0.00	0.00	-	0.01	0.01	-	0.00	0.00	-	*	*	*	*	*
	Head And Gut	1.22	-	1.22	3.59	-	3.59	1.96	-	1.96	2.03	-	2.03	2.26	*	2.26
	Other Products	0.01	0.00	0.01	0.01	*	0.01	0.01	0.00	0.01	0.00	*	0.00	0.00	*	0.00
	All Products	1.23	0.01	1.24	3.59	0.01	3.60	1.97	0.00	1.97	2.03	*	2.03	2.27	*	2.27
Other Rockfish	Whole Fish	0.24	0.02	0.26	0.10	*	0.10	0.15	*	0.15	0.17	0.00	0.18	0.15	*	0.15
	Head And Gut	0.31	0.02	0.33	0.25	0.02	0.27	0.29	0.02	0.30	0.27	0.01	0.28	0.35	0.01	0.36
	Other Products	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.01
	All Products	0.55	0.04	0.59	0.35	0.03	0.38	0.44	0.02	0.46	0.45	0.02	0.47	0.50	0.01	0.51
Other Groundfish	Whole Fish	*	0.34	0.34	*	0.38	0.38	0.00	0.15	0.16	*	0.26	0.26	0.02	0.50	0.52
	Head And Gut	0.01	*	0.01	0.01	*	0.01	0.01	-	0.01	0.01	*	0.01	0.04	0.07	0.12
	Roe	-	-	-	-	-	-	-	-	-	-	-	-	*	-	*
	Fillets	-	-	-	-	-	-	*	-	*	-	-	-	*	-	*
	Fishmeal	0.10	0.17	0.27	0.05	0.48	0.53	0.05	0.15	0.19	0.06	0.17	0.23	0.04	0.07	0.12
	Other Products	2.26	0.12	2.38	2.06	0.31	2.37	1.79	0.02	1.81	2.40	*	2.40	3.42	0.02	3.44
	All Products	2.37	0.63	3.00	2.12	1.17	3.30	1.85	0.32	2.17	2.48	0.43	2.91	3.52	0.67	4.20

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Table 15: Continued

Product	2014			2015			2016			2017			2018		
	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Whole Fish	25.34	2.66	28.00	14.90	1.84	16.75	17.29	1.71	19.00	19.48	0.97	20.45	17.09	1.66	18.75
Head And Gut	280.06	22.53	302.58	268.26	16.38	284.64	269.78	14.58	284.36	259.81	12.75	272.56	247.07	13.42	260.49
Roe	12.40	11.66	24.06	12.59	8.52	21.12	10.96	5.43	16.39	12.17	8.46	20.63	14.06	10.14	24.19
Fillets	0.15	8.27	8.42	0.21	6.08	6.28	0.14	9.89	10.03	0.14	9.88	10.01	0.14	10.23	10.36
All Species Deep-Skin Fillets	32.68	11.01	43.69	34.56	9.22	43.77	38.24	8.55	46.79	45.10	13.03	58.13	40.96	15.75	56.72
Other Fillets	63.68	68.41	132.09	57.44	65.80	123.24	49.61	64.89	114.50	42.13	56.69	98.82	53.94	56.97	110.91
Surimi	87.81	83.52	171.33	95.94	91.80	187.74	100.51	90.31	190.82	102.60	94.13	196.73	104.36	92.16	196.53
Minced Fish	19.98	6.09	26.06	19.71	5.47	25.19	22.38	11.69	34.07	17.05	9.44	26.49	13.06	7.35	20.41
Fishmeal	23.36	33.77	57.13	26.50	35.07	61.57	27.20	36.40	63.60	28.01	34.86	62.87	28.26	38.43	66.70
Other Products	20.22	29.91	50.13	20.97	27.28	48.24	24.03	34.48	58.51	24.09	32.76	56.85	25.13	32.55	57.68
All Products	565.67	277.82	843.49	551.07	267.46	818.53	560.13	277.94	838.06	550.58	272.96	823.54	544.08	278.66	822.74

**Notes:** Total includes additional species not listed in the production details as well as confidential data from Tables 28 and 29. These estimates are for catch from both federal and state of Alaska fisheries. "\*" indicates a confidential value; "-" indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 16: Bering Sea & Aleutian Islands gross value of groundfish products by species, 2014-2018, (\$ million).

	Product	2014			2015			2016			2017			2018		
		At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Pollock	Whole Fish	0.3	0.8	1.1	1.1	0.8	1.9	0.1	0.5	0.6	0.0	0.2	0.3	0.0	0.3	0.3
	Head And Gut	49.4	3.9	53.3	35.6	*	35.6	48.9	0.0	48.9	29.0	-	29.0	27.5	*	27.5
	Roe	85.5	46.9	132.4	69.9	24.8	94.7	72.4	17.1	89.4	85.9	31.0	116.9	90.5	41.0	131.6
	Deep-Skin Fillets	117.2	36.4	153.6	120.3	29.9	150.2	142.7	26.3	169.0	150.1	41.3	191.4	136.7	51.4	188.0
	Other Fillets	183.3	195.5	378.8	176.1	172.6	348.7	141.9	191.3	333.2	107.8	145.8	253.5	154.2	164.2	318.4
	Surimi	230.8	186.5	417.3	268.4	204.4	472.8	291.9	210.2	502.1	370.2	207.2	577.4	316.7	228.8	545.5
	Minced Fish	26.3	7.9	34.2	29.1	7.9	37.1	39.7	19.2	58.9	26.1	13.1	39.2	19.7	10.8	30.4
	Fishmeal	49.1	47.0	96.1	53.7	47.8	101.5	50.3	53.4	103.7	45.7	50.7	96.4	48.1	50.3	98.4
	Other Products	14.0	20.6	34.6	14.4	18.1	32.5	20.4	25.2	45.6	16.1	17.9	34.0	17.2	21.2	38.4
	All Products	756.0	545.4	1,301.4	768.7	506.3	1,275.0	808.3	543.2	1,351.5	830.8	507.3	1,338.1	810.5	568.0	1,378.6
Pacific Cod	Whole Fish	0.1	1.7	1.8	0.1	0.5	0.6	2.1	0.7	2.8	0.4	*	0.4	0.3	0.3	0.6
	Head And Gut	236.2	41.4	277.6	266.8	36.3	303.1	250.6	30.7	281.4	287.9	32.5	320.4	276.4	48.5	324.9
	Roe	1.4	6.1	7.5	0.8	3.0	3.8	0.6	2.3	2.8	0.6	2.7	3.4	2.5	7.3	9.8
	Fillets	0.3	49.5	49.8	0.5	36.4	36.9	0.4	74.1	74.5	0.5	81.2	81.7	0.9	94.7	95.6
	Other Products	4.9	10.9	15.9	11.1	9.5	20.5	15.0	11.8	26.9	13.6	15.2	28.7	11.9	18.2	30.0
	All Products	242.9	109.6	352.5	279.2	85.7	365.0	268.8	119.5	388.3	303.1	131.6	434.7	292.0	169.0	461.0
Sablefish	Head And Gut	2.5	8.0	10.5	1.5	6.2	7.8	3.0	4.9	7.9	4.7	7.2	11.9	4.2	5.0	9.3
	Other Products	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.5	0.6	0.1	0.6	0.8
	All Products	2.5	8.0	10.5	1.6	6.3	7.8	3.0	5.0	8.0	4.8	7.7	12.5	4.4	5.7	10.0

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Table 16: Continued

	Product	2014			2015			2016			2017			2018		
		At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Atka Mackerel	Whole Fish	4.6	0.1	4.7	3.9	*	3.9	4.1	0.0	4.1	11.9	*	11.9	15.0	0.5	15.5
	Head And Gut	56.9	-	56.9	69.1	-	69.1	69.6	-	69.6	114.8	-	114.8	112.7	*	112.7
	Other Products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	All Products	61.5	0.1	61.6	73.0	0.0	73.0	73.7	0.0	73.7	126.6	0.0	126.6	127.7	0.5	128.1
Yellowfin	Whole Fish	17.1	*	17.1	7.0	-	7.0	10.6	-	10.6	12.4	-	12.4	10.8	0.3	11.1
	Head And Gut	76.9	-	76.9	71.2	-	71.2	83.3	-	83.3	98.2	-	98.2	125.4	-	125.4
	Fillets	-	-	-	-	-	-	-	-	-	*	-	*	-	-	-
	Other Products	0.7	0.0	0.8	0.2	0.0	0.2	0.3	0.0	0.3	0.2	0.0	0.2	0.1	0.0	0.1
	All Products	94.7	0.0	94.7	78.4	0.0	78.4	94.2	0.0	94.2	110.8	0.0	110.8	136.3	0.3	136.6
Rock Sole	Whole Fish	2.9	*	2.9	0.5	-	0.5	0.8	*	0.8	2.0	*	2.0	0.7	0.1	0.8
	Head And Gut	31.4	-	31.4	29.4	-	29.4	33.0	-	33.0	28.0	-	28.0	28.2	*	28.2
	Fillets	0.0	-	0.0	0.0	-	0.0	*	-	*	*	*	*	0.0	-	0.0
	Other Products	0.6	0.2	0.8	0.2	0.1	0.3	0.1	0.1	0.3	0.2	0.1	0.3	0.1	0.0	0.2
	All Products	35.0	0.2	35.2	30.2	0.1	30.3	33.9	0.1	34.0	30.2	0.1	30.3	29.0	0.1	29.1
Flathead Sole	Whole Fish	0.8	0.1	0.9	0.3	0.0	0.3	0.6	*	0.6	0.1	*	0.1	0.7	0.1	0.7
	Head And Gut	10.8	-	10.8	6.2	-	6.2	6.9	-	6.9	7.7	-	7.7	11.0	*	11.0
	Fillets	*	-	*	0.0	-	0.0	-	-	-	-	-	-	*	*	*
	Other Products	0.5	0.2	0.7	0.6	0.1	0.7	0.2	0.1	0.2	0.1	0.1	0.2	0.1	0.1	0.1
	All Products	12.1	0.3	12.4	7.0	0.2	7.2	7.7	0.1	7.8	7.9	0.1	8.0	11.8	0.1	11.9

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Table 16: Continued

		2014			2015			2016			2017			2018		
	Product	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Arrowtooth	Whole Fish	0.0	*	0.0	*	*	*	0.3	*	0.3	*	-	*	*	-	*
	Head And Gut	12.5	-	12.5	7.7	*	7.7	8.3	-	8.3	9.9	-	9.9	5.6	-	5.6
	Other Products	0.1	0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
	All Products	12.7	0.2	12.8	7.8	0.1	7.8	8.6	0.0	8.7	9.9	0.0	9.9	5.6	0.1	5.7
Kamchatka Flounder	Whole Fish	-	-	-	-	-	-	*	-	*	-	-	-	-	-	-
	Head And Gut	8.7	-	8.7	4.1	-	4.1	5.0	-	5.0	6.7	-	6.7	3.9	-	3.9
	Fishmeal	0.0	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	0.0
	Other Products	-	-	-	-	-	-	-	-	-	-	-	-	*	-	*
	All Products	8.7	-	8.7	4.1	-	4.1	5.0	-	5.0	6.7	-	6.7	3.9	-	3.9
Turbot	Whole Fish	-	*	*	-	*	*	0.1	-	0.1	-	-	-	-	-	-
	Head And Gut	3.5	*	3.5	5.3	-	5.3	7.2	*	7.2	9.3	-	9.3	6.4	-	6.4
	Other Products	1.0	0.0	1.0	1.6	0.0	1.6	2.0	0.0	2.0	2.2	0.0	2.2	1.0	0.0	1.0
	All Products	4.4	0.0	4.4	6.9	0.0	6.9	9.3	0.0	9.3	11.5	0.0	11.5	7.4	0.0	7.4
Other Flatfish	Whole Fish	2.3	*	2.3	2.7	*	2.7	2.7	*	2.7	2.3	0.1	2.4	0.5	*	0.5
	Head And Gut	7.2	-	7.2	5.8	-	5.8	5.0	*	5.0	12.7	*	12.7	16.4	*	16.4
	Fillets	-	-	-	-	-	-	-	-	-	-	*	*	-	*	*
	Other Products	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
	All Products	9.7	0.0	9.8	8.4	0.0	8.5	7.7	0.0	7.7	15.0	0.1	15.2	17.0	0.0	17.0
Pacific Ocean Perch	Whole Fish	*	0.3	0.3	-	0.5	0.5	0.4	0.5	1.0	0.5	0.5	1.0	2.8	0.2	3.0
	Head And Gut	42.2	*	42.2	34.9	*	34.9	29.1	*	29.1	34.6	*	34.6	34.5	*	34.5
	Other Products	0.1	0.0	0.1	0.2	0.1	0.3	0.3	0.0	0.3	0.4	0.0	0.4	0.3	0.1	0.4
	All Products	42.3	0.3	42.6	35.1	0.6	35.7	29.8	0.6	30.3	35.5	0.5	36.1	37.6	0.3	37.9

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Table 16: Continued

	Product	2014			2015			2016			2017			2018		
		At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Northern Rockfish	Whole Fish	*	0.0	0.0	-	0.0	0.0	-	0.0	0.0	-	*	*	*	*	*
	Head And Gut	2.5	-	2.5	5.9	-	5.9	2.8	-	2.8	3.4	-	3.4	3.9	*	3.9
	Other Products	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	*	0.0
	All Products	2.5	0.0	2.5	5.9	0.0	5.9	2.8	0.0	2.8	3.4	*	3.4	3.9	*	3.9
Other Rockfish	Whole Fish	1.1	0.0	1.1	0.4	*	0.4	0.7	*	0.7	0.9	0.0	0.9	0.6	*	0.6
	Head And Gut	0.8	0.1	0.9	0.6	0.2	0.8	0.7	0.1	0.8	0.7	0.1	0.7	0.9	0.0	0.9
	Other Products	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	All Products	1.9	0.1	2.0	1.0	0.2	1.2	1.4	0.1	1.5	1.6	0.1	1.6	1.4	0.0	1.5
Other Groundfish	Whole Fish	*	0.5	0.5	*	0.4	0.4	0.0	0.3	0.3	*	0.5	0.5	0.0	1.7	1.7
	Head And Gut	0.0	*	0.0	0.0	*	0.0	0.0	-	0.0	0.0	*	0.0	0.1	0.4	0.5
	Roe	-	-	-	-	-	-	-	-	-	-	-	-	*	-	*
	Fillets	-	-	-	-	-	-	*	-	*	-	-	-	*	-	*
	Fishmeal	0.1	0.2	0.3	0.1	0.9	1.0	0.1	0.2	0.3	0.1	0.3	0.4	0.1	0.1	0.2
	Other Products	3.7	0.7	4.3	3.9	1.1	5.1	2.8	0.2	3.0	4.5	*	4.5	7.6	0.1	7.7
	All Products	3.8	1.4	5.2	4.1	2.5	6.6	2.9	0.7	3.7	4.6	0.8	5.3	7.8	2.3	10.1

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Table 16: Continued

Product	2014			2015			2016			2017			2018		
	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All	At Sea	Shoreside	All
Whole Fish	29.3	3.5	32.8	15.9	2.2	18.1	22.6	2.0	24.6	30.6	1.3	31.9	31.4	3.3	34.7
Head And Gut	541.5	53.3	594.8	544.1	42.7	586.9	553.4	35.8	589.1	647.6	39.8	687.5	657.2	54.0	711.3
Roe	86.8	53.1	139.9	70.7	27.8	98.5	72.9	19.3	92.3	86.6	33.7	120.3	93.0	48.3	141.4
Fillet	0.4	49.5	49.8	0.6	36.4	37.0	0.4	74.1	74.5	0.5	81.2	81.7	0.9	94.7	95.6
All Species Deep-Skin Fillet	117.2	36.4	153.6	120.3	29.9	150.2	142.7	26.3	169.0	150.1	41.3	191.4	136.7	51.4	188.0
Other Fillet	183.3	195.5	378.8	176.1	172.6	348.7	141.9	191.3	333.2	107.8	145.8	253.5	154.2	164.2	318.4
Surimi	230.8	186.5	417.3	268.4	204.4	472.8	291.9	210.2	502.1	370.2	207.2	577.4	316.7	228.8	545.5
Minced Fish	26.3	7.9	34.2	29.1	7.9	37.1	39.7	19.2	58.9	26.1	13.1	39.2	19.7	10.8	30.4
Fishmeal	49.3	47.2	96.5	53.8	48.7	102.5	50.4	53.6	104.0	45.8	51.0	96.8	48.2	50.4	98.6
Other Products	25.8	32.8	58.6	32.3	29.3	61.6	41.2	37.6	78.8	37.1	33.9	71.1	38.4	40.5	78.9
All Products	1,290.7	665.7	1,956.4	1,311.3	601.9	1,913.3	1,357.1	669.4	2,026.5	1,502.4	648.4	2,150.7	1,496.4	746.4	2,242.8

**Notes:** Total includes additional species not listed in the production details as well as confidential data from Tables 28 and 29. These estimates are for catch from both federal and state of Alaska fisheries. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 17: Bering Sea & Aleutian Islands price per pound of groundfish products by species and processing mode, 2014-2018, (\$/lb).

	Product	2014		2015		2016		2017		2018	
		At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside
Pollock	Whole Fish	0.47	0.32	0.45	0.51	0.35	0.34	0.29	0.42	0.42	0.53
	Head And Gut	0.64	0.64	0.64	*	0.78	0.41	0.54	-	0.58	*
	Roe	3.31	2.39	2.64	1.67	3.14	2.03	3.33	2.09	3.16	2.44
	Deep-Skin Fillets	1.63	1.50	1.58	1.47	1.69	1.39	1.51	1.44	1.51	1.48
	Other Fillets	1.31	1.30	1.39	1.19	1.30	1.34	1.16	1.17	1.30	1.31
	Surimi	1.19	1.01	1.27	1.01	1.32	1.06	1.64	1.00	1.38	1.13
	Minced Fish	0.60	0.59	0.67	0.66	0.80	0.74	0.69	0.63	0.68	0.66
	Fishmeal	0.96	0.63	0.92	0.63	0.84	0.67	0.74	0.66	0.77	0.59
	Other Products	0.47	0.42	0.52	0.38	0.64	0.42	0.55	0.33	0.56	0.39
	All Products	1.19	1.04	1.22	0.97	1.26	1.01	1.33	0.96	1.27	1.06
Pacific Cod	Whole Fish	0.36	0.97	0.34	0.57	0.71	0.69	0.87	*	0.83	0.80
	Head And Gut	1.32	0.98	1.43	1.03	1.35	0.98	1.63	1.20	1.90	1.70
	Roe	0.90	1.00	0.60	0.77	0.51	0.64	0.62	0.71	1.09	1.33
	Fillets	0.94	2.71	1.18	2.72	1.37	3.40	1.79	3.73	2.98	4.20
	Other Products	0.73	0.70	0.96	0.82	1.03	0.75	0.87	0.90	0.79	1.13
	All Products	1.29	1.31	1.39	1.32	1.31	1.63	1.56	1.89	1.78	2.31
Sablefish	Head And Gut	7.48	6.70	8.60	7.43	6.24	7.93	5.12	7.22	3.42	5.69
	Other Products	0.50	2.67	1.93	2.30	0.83	3.17	0.87	6.31	0.61	8.58
	All Products	7.01	6.64	8.34	7.37	6.02	7.74	4.68	7.16	3.03	5.92
Atka Mackerel	Whole Fish	0.66	0.60	0.53	*	0.86	0.62	0.84	*	1.03	0.70
	Head And Gut	1.51	-	1.08	-	1.03	-	1.47	-	1.41	*
	Other Products	1.15	0.51	0.87	0.88	0.73	0.74	0.55	0.81	0.77	0.82
	All Products	1.37	0.60	1.02	0.88	1.02	0.66	1.37	0.81	1.35	0.71

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Table 17: Continued

		2014		2015		2016		2017		2018	
	Product	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside
Yellowfin	Whole Fish	0.46	*	0.45	-	0.49	-	0.61	-	0.71	0.61
	Head And Gut	0.45	-	0.48	-	0.55	-	0.66	-	0.82	-
	Fillets	-	-	-	-	-	-	*	-	-	-
	Other Products	0.90	0.92	1.02	0.87	0.86	0.73	0.74	0.80	0.83	0.85
	All Products	0.46	0.92	0.48	0.87	0.55	0.73	0.65	0.80	0.81	0.64
Rock Sole	Whole Fish	0.53	*	0.50	-	0.59	*	0.59	*	0.75	0.46
	Head And Gut	0.45	-	0.49	-	0.56	-	0.65	-	0.83	*
	Head And Gut With Roe	0.85	-	0.89	-	1.00	-	1.24	-	1.50	-
	Fillets	5.70	-	2.78	-	*	-	*	*	2.73	-
	Other Products	0.92	0.92	0.87	0.87	0.78	0.73	0.63	0.80	0.72	0.70
	All Products	0.55	0.92	0.55	0.87	0.62	0.73	0.72	0.80	0.89	0.53
Flathead Sole	Whole Fish	0.62	0.37	0.44	0.55	0.57	*	0.61	*	0.82	0.52
	Head And Gut	0.70	-	0.63	-	0.76	-	0.87	-	0.98	*
	Fillets	*	-	2.33	-	-	-	-	-	*	*
	Other Products	0.93	0.92	0.87	0.87	0.66	0.73	0.59	0.80	0.70	0.68
	All Products	0.70	0.59	0.64	0.84	0.74	0.73	0.86	0.80	0.97	0.59
Arrowtooth	Whole Fish	0.54	*	*	*	0.56	*	*	-	*	-
	Head And Gut	0.82	-	0.74	*	0.86	-	1.30	-	0.87	-
	Other Products	0.93	0.92	0.87	0.87	0.64	0.73	0.65	0.80	0.70	0.68
	All Products	0.82	0.92	0.74	0.87	0.84	0.73	1.30	0.80	0.87	0.68
Kamchatka Flounder	Whole Fish	-	-	-	-	*	-	-	-	-	-
	Head And Gut	0.74	-	0.67	-	0.83	-	1.48	-	1.27	-
	Fishmeal	0.93	-	0.94	-	0.86	-	0.67	-	0.82	-
	Other Products	-	-	-	-	-	-	-	-	*	-
	All Products	0.74	-	0.67	-	0.83	-	1.48	-	1.27	-

Continued on next page.

Table 17: Continued

	Product	2014		2015		2016		2017		2018	
		At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside	At-sea	Shoreside
Turbot	Whole Fish	-	*	-	*	1.97	-	-	-	-	-
	Head And Gut	2.09	*	2.01	-	2.52	*	2.41	-	2.44	-
	Other Products	1.84	0.93	1.69	0.88	1.76	0.73	1.45	0.80	1.04	0.65
	All Products	2.03	0.93	1.93	0.88	2.30	0.73	2.14	0.80	2.08	0.65
Other Flatfish	Whole Fish	0.67	*	0.51	*	0.59	*	0.78	1.62	0.68	*
	Head And Gut	0.49	-	0.46	-	0.47	*	0.81	*	0.64	*
	Fillet	-	-	-	-	-	-	-	*	-	*
	Other Products	0.91	0.92	0.88	0.87	0.76	0.73	0.65	0.80	0.82	0.81
	All Products	0.53	0.92	0.47	0.87	0.51	0.73	0.81	1.49	0.64	0.81
Pacific Ocean Percoid	Whole Fish	*	0.55	-	0.56	0.65	0.58	0.57	0.54	0.61	0.61
	Head And Gut	1.20	*	1.06	*	0.93	*	1.14	*	1.11	*
	Other Products	0.80	0.80	0.87	0.87	0.60	0.73	0.60	0.80	0.70	0.70
	All Products	1.20	0.56	1.06	0.61	0.92	0.58	1.11	0.56	1.04	0.64
Northern Rockfish	Whole Fish	*	0.58	-	0.46	-	0.67	-	*	*	*
	Head And Gut	0.92	-	0.75	-	0.64	-	0.77	-	0.79	*
	Other Products	0.80	0.80	0.87	*	0.59	0.73	0.61	*	0.63	*
	All Products	0.92	0.74	0.75	0.46	0.64	0.71	0.77	*	0.79	*
Other Rockfish	Whole Fish	2.08	0.92	1.72	*	2.27	*	2.29	0.69	1.72	*
	Head And Gut	1.18	2.42	1.08	3.28	1.06	2.95	1.14	2.42	1.14	1.74
	Other Products	0.92	0.58	0.99	1.35	0.78	1.40	0.75	0.77	0.87	0.82
	All Products	1.57	1.49	1.26	3.08	1.47	2.83	1.58	1.93	1.31	1.58
Other Groundfish	Whole Fish	*	0.72	*	0.53	1.02	0.96	*	0.80	0.12	1.51
	Head And Gut	0.75	*	0.64	*	1.83	-	0.78	*	0.81	2.70
	Roe	-	-	-	-	-	-	-	-	*	-
	Fillet	-	-	-	-	*	-	-	-	*	-
	Fishmeal	0.59	0.50	0.87	0.87	0.68	0.73	0.71	0.78	0.74	0.75
	Other Products	0.73	2.49	0.87	1.69	0.72	4.01	0.84	*	1.01	1.52
	All Products	0.73	1.00	0.87	0.97	0.72	1.03	0.84	0.79	1.00	1.55

**Notes:** These estimates are based on data from both federal and state of Alaska fisheries. Prices based on confidential data have been excluded. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA

Table 18: Bering Sea & Aleutian Islands total product value per round metric ton of retained catch by processor type, species, and year, 2014-2018, (\$/mt).

	Species	2014	2015	2016	2017	2018
Motherships	Pollock	1,035	971	909	*	974
	Pacific Cod	388	464	709	*	397
Catcher/processors	Pollock	1,038	1,047	1,090	1,128	1,063
	Sablefish	9,747	10,660	7,708	5,760	4,535
	Pacific Cod	1,416	1,579	1,484	1,756	2,027
	Flatfish	693	691	789	969	1,077
	Rockfish	1,369	1,141	977	1,162	1,141
	Atka Mackerel	2,019	1,391	1,363	1,977	1,845
	Other	455	509	426	473	629
Shoreside processors	Pollock	980	887	929	860	951
	Sablefish	9,563	13,156	12,282	11,006	6,851
	Pacific Cod	1,487	1,389	1,564	1,714	2,291
	Flatfish	548	559	968	689	626
	Rockfish	893	1,062	1,142	958	867
	Other	1,145	1,205	1,501	934	1,578

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea and Shoreside Production Reports; ADF&G Commercial Operators Annual Reports (COAR); and NMFS Alaska Region Blend and Catch-accounting System estimates. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 19: Bering Sea & Aleutian Islands number of processors, gross product value, value per processor, and percent value of BSAI FMP groundfish of processed groundfish by processor group, 2014-2018 (\$ millions).

	Year	Processors	Wholesale Value (\$million)	Wholesale Value Per Processor (\$1,000)	Percent Value, BSAI FMP Groundfish
AFA CP	2014	16	653.91	40,869.42	35.07
	2015	16	663.09	41,442.94	36.33
	2016	15	684.55	45,636.76	35.41
	2017	16	748.00	46,749.75	36.34
	2018	14	678.29	48,449.31	31.95
A80	2014	18	309.44	17,191.11	16.59
	2015	18	293.37	16,298.26	16.07
	2016	19	320.59	16,873.12	16.58
	2017	19	392.41	20,653.02	19.07
	2018	19	426.19	22,430.83	20.07
CP Hook and Line	2014	31	199.28	6,428.24	10.69
	2015	31	230.85	7,446.68	12.65
	2016	32	211.38	6,605.62	10.93
	2017	29	246.04	8,484.12	11.95
	2018	26	225.82	8,685.58	10.64
Sablefish IFQ	2014	8	2.14	267.57	0.11
	2015	5	1.44	287.33	0.08
	2016	7	1.40	200.13	0.07
	2017	6	1.68	280.06	0.08
	2018	8	1.84	230.41	0.09
Motherships & Inshore Floating Procs.	2014	3	115.13	38,376.24	6.17
	2015	3	111.49	37,162.50	6.11
	2016	4	106.69	26,673.75	5.52
	2017	2	*	*	*
	2018	3	116.49	38,828.51	5.49
BSAI Shoreside Processors	2014	8	573.97	71,746.19	30.78
	2015	6	513.67	85,611.13	28.15
	2016	7	576.25	82,321.86	29.81
	2017	7	555.74	79,391.83	27.00
	2018	7	626.53	89,504.09	29.51

**Notes:** The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: “AFA CP” are the AFA catcher processors. “A80” are the catcher processors as defined under Amendment 80 of the BSAI FMP. “CP Hook and Line” are the hook and line catcher processors. “Sablefish IFQ” are processors processing sablefish IFQ. Values are not adjusted for inflation.

**Source:** ADF&G Commercial Operators Annual Reports (COAR); and ADF&G Intent to Operate (ITO) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 20: Bering Sea & Aleutian Islands number of vessels, average and median length, and average and median capacity (tonnage) of vessels that caught groundfish by vessel type, and gear, 2014-2018.

	Year	Vessels	Average Length (feet)	Median Length (feet)	Average Capacity (tons)	Median Capacity (tons)
AFA CV	2014	88	128	124	164	133
	2015	86	127	124	163	134
	2016	89	126	123	160	133
	2017	86	125	123	158	133
	2018	86	127	123	160	132
AFA CP	2014	17	289	285	1,604	1,592
	2015	17	289	285	1,623	1,592
	2016	16	302	296	1,717	1,592
	2017	16	290	285	1,571	1,592
	2018	15	302	285	1,850	1,778
A80	2014	18	186	185	426	426
	2015	18	184	185	428	426
	2016	19	185	185	443	426
	2017	19	180	185	477	473
	2018	19	181	185	468	473
BSAI Trawl	2014	12	127	130	193	148
	2015	14	118	108	151	132
	2016	13	133	130	243	132
	2017	16	122	112	171	132
	2018	21	149	144	292	276
CV Hook and Line	2014	3	49	48	35	37
	2015	2	56	58	42	43
	2017	2	57	59	43	47
	2018	5	53	56	77	95
CP Hook and Line	2014	30	146	136	344	260
	2015	30	145	136	333	258
	2016	31	146	136	338	258
	2017	28	148	141	350	296
	2018	25	149	141	336	258
Sablefish IFQ	2014	23	91	98	105	111
	2015	19	77	58	89	98
	2016	21	88	98	105	111
	2017	19	87	72	114	97
	2018	22	95	98	133	127

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Table 20: Continued

	Year	Vessels	Average Length (feet)	Median Length (feet)	Average Capacity (tons)	Median Capacity (tons)
Pot	2014	55	84	58	116	105
	2015	48	86	58	123	105
	2016	56	80	58	114	105
	2017	64	83	58	119	105
	2018	78	80	58	107	105
Jig	2014	3	31	32	19	18
	2015	4	32	33	15	14
	2016	2	42	42	25	26
	2017	1	42	42	26	26
	2018	1	42	42	26	26
No Fleet/	2014	2	48	48	28	28
	2015	1	48	48	28	28
Other	2017	2	31	30	14	13
	2018	1	34	34	17	17

**Notes:** These estimates include only vessels fishing part of federal TACs. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; CFEC gross earnings (fish tickets) file; NMFS Alaska Region groundfish observer data; NMFS Alaska Region permit data; CFEC vessel registration file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.



Table 21: Bering Sea & Aleutian Islands number of vessels that caught groundfish by month, vessel type, and gear, 2014-2018.

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	
Catcher Vessels	Hook & Line	2014	5	4	5	6	5	7	10	8	9	7	4	2	21
		2015	3	2	4	3	7	6	6	7	8	9	3	1	21
		2016	1	-	1	1	3	5	7	6	7	4	-	-	16
		2017	-	1	2	2	4	2	4	4	9	2	-	-	15
		2018	-	-	4	5	2	2	4	3	6	4	4	1	14
	Pot	2014	41	22	18	19	14	1	1	1	14	13	11	12	54
		2015	29	27	21	15	1	2	2	1	13	21	9	16	47
		2016	28	29	33	31	3	1	1	1	10	21	17	18	54
		2017	48	21	25	25	7	4	1	-	11	13	15	33	63
		2018	58	37	37	6	5	3	-	-	19	25	18	10	76
	Trawl	2014	42	81	81	65	2	71	72	71	55	4	1	-	100
		2015	70	86	88	62	5	73	70	74	65	27	4	-	100
		2016	72	91	91	69	8	60	70	69	53	16	1	-	101
		2017	71	92	79	70	6	68	69	65	46	14	2	-	102
		2018	77	96	91	62	8	62	67	70	60	3	3	-	105
All Gear	2014	88	107	104	90	21	79	83	80	78	24	14	14	173	
	2015	102	115	113	79	13	81	78	82	86	57	16	17	165	
	2016	101	120	125	101	14	66	78	76	70	41	18	18	170	
	2017	119	114	106	97	17	74	74	69	66	29	17	33	178	
	2018	135	132	129	73	15	67	71	73	85	32	24	11	191	
Catcher Processors	Hook & Line	2014	26	26	28	25	18	20	26	25	25	27	27	24	31
		2015	26	27	28	24	22	18	22	25	28	27	27	28	31
		2016	28	29	28	21	11	19	25	25	25	25	26	23	32
		2017	27	27	26	21	11	20	25	26	25	24	24	24	29
		2018	22	24	21	14	6	16	18	19	20	21	21	18	26
	Pot	2014	4	4	2	1	1	-	-	-	3	3	3	1	4
		2015	4	4	2	2	1	-	-	1	4	4	4	1	4
		2016	5	3	3	2	-	-	-	1	3	3	1	3	5
		2017	5	2	2	2	-	-	-	1	5	5	2	3	6
		2018	5	2	2	2	1	1	-	1	5	2	-	1	6
	Trawl	2014	30	34	34	21	19	31	29	30	28	18	14	4	34
		2015	34	34	33	21	19	30	27	28	28	20	14	3	34
		2016	32	32	33	25	20	29	30	30	32	24	12	4	35
		2017	26	33	33	27	19	29	32	32	29	19	14	2	35
		2018	29	33	35	25	21	29	30	33	33	22	14	4	35
All Gear	2014	60	64	64	47	38	51	55	55	56	48	44	29	68	
	2015	64	65	63	47	42	48	49	54	60	51	45	32	69	
	2016	65	64	64	48	31	48	55	56	60	52	39	30	71	
	2017	58	62	61	50	30	49	57	58	59	48	40	29	68	
	2018	56	59	58	41	28	46	48	53	58	45	35	23	66	

**Notes:** These estimates include only vessels fishing part of federal TACs. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; CFEC gross earnings (fish tickets) file; NMFS Alaska Region groundfish observer data; NMFS Alaska Region permit data; CFEC vessel registration file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 22: Bering Sea & Aleutian Islands catcher vessel (excluding catcher/processors) weeks of fishing groundfish by vessel-length class (feet), gear, and target, 2014-2018.

	Year	Hook & Line		Pot			Trawl			All Gear		
		<60ft	60-125ft	<60ft	60-125ft	>=125ft	<60ft	60-125ft	>=125ft	<60ft	60-125ft	>=125ft
Pollock	2014	-	-	-	-	-	-	838	551	-	838	551
	2015	-	-	-	-	-	-	904	612	-	904	612
	2016	-	-	-	-	-	-	863	569	-	863	569
	2017	-	-	-	-	-	-	863	498	-	863	498
	2018	-	-	-	-	-	-	901	522	-	901	522
Sablefish	2014	77	19	-	34	15	-	-	-	77	53	15
	2015	69	14	6	18	4	-	-	-	75	32	4
	2016	31	13	-	21	8	-	-	-	31	34	8
	2017	26	7	-	25	12	-	-	-	26	32	12
	2018	12	14	15	20	6	-	-	-	27	34	6
Pacific Cod	2014	103	-	345	115	29	13	247	35	461	362	64
	2015	48	-	312	117	15	-	265	32	360	382	47
	2016	13	-	423	149	15	-	278	38	436	427	53
	2017	18	-	394	172	39	-	213	31	412	385	70
	2018	44	-	375	153	29	37	201	43	456	354	72
Flatfish	2014	-	-	-	-	-	-	2	31	-	2	31
	2015	-	-	-	-	-	-	27	30	-	27	30
	2016	-	-	-	-	-	-	42	33	-	42	33
	2017	-	-	-	-	-	-	48	53	-	48	53
	2018	-	-	-	-	-	-	32	45	-	32	45
Rockfish	2014	1	-	-	-	-	-	-	11	1	-	11
	2015	1	-	-	-	-	-	4	9	1	4	9
	2016	-	-	-	-	-	-	2	4	-	2	4
	2017	-	-	-	-	-	-	3	4	-	3	4
	2018	-	-	-	-	-	-	3	5	-	3	5
Atka Mackerel	2014	-	-	-	-	-	-	-	12	-	-	12
	2015	-	-	-	-	-	-	5	10	-	5	10
	2016	-	-	-	-	-	-	6	13	-	6	13
	2017	-	-	-	-	-	-	5	15	-	5	15
	2018	-	-	-	-	-	-	9	19	-	9	19
All Groundfish	2014	181	19	-	-	-	13	1,086	640	539	1,254	684
	2015	117	14	-	-	-	-	1,205	692	435	1,354	711
	2016	43	13	-	-	-	-	1,191	657	466	1,373	680
	2017	44	7	-	-	-	-	1,132	600	438	1,335	651
	2018	56	14	-	-	-	37	1,146	635	483	1,334	670

**Notes:** These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; CFEC gross earnings (fish tickets) file; NMFS Alaska Region groundfish observer data; NMFS Alaska Region permit data; CFEC vessel registration file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 23: Bering Sea & Aleutian Islands catcher/processor vessel weeks of fishing groundfish by vessel-length class (feet), gear, and target, 2014-2018.

	Year	Hook & Line			Pot			Trawl			All Gear			
		<60ft	60-124ft	125-230ft	<60ft	60-124ft	125-230ft	60-124ft	125-230ft	>230ft	<60ft	60-124ft	125-230ft	>230ft
Pollock	2014	-	-	-	-	-	-	1	14	305	-	1	14	305
	2015	-	-	-	-	-	-	1	6	310	-	1	6	310
	2016	-	-	-	-	-	-	1	4	303	-	1	4	303
	2017	-	-	-	-	-	-	0	5	301	-	0	5	301
	2018	-	-	-	-	-	-	0	6	317	-	0	6	317
Sablefish	2014	-	41	2	-	-	-	-	0	-	-	41	2	-
	2015	-	38	0	-	-	-	-	-	-	-	38	0	-
	2016	11	26	0	-	-	-	-	0	-	11	26	0	-
	2017	19	-	1	-	9	-	1	0	-	19	10	1	-
	2018	-	6	2	-	17	-	-	3	-	-	23	5	-
Pacific Cod	2014	7	250	817	-	19	53	0	9	12	7	269	879	12
	2015	9	253	812	-	23	62	1	11	9	9	277	885	9
	2016	9	223	766	17	13	54	1	17	11	26	237	837	11
	2017	8	180	790	13	20	44	1	11	7	21	201	845	7
	2018	9	87	678	-	28	23	2	17	7	9	117	718	7
Flatfish	2014	-	5	12	-	-	-	92	415	81	-	97	427	81
	2015	-	2	26	-	-	-	105	395	51	-	107	421	51
	2016	-	-	25	-	-	-	100	427	60	-	100	452	60
	2017	-	-	26	-	-	-	88	406	52	-	88	432	52
	2018	-	-	13	-	-	-	94	421	56	-	94	434	56
Rockfish	2014	-	1	-	-	-	-	3	34	12	-	4	34	12
	2015	-	0	-	-	-	-	3	36	17	-	3	36	17
	2016	-	2	1	-	-	-	0	39	8	-	2	40	8
	2017	-	-	-	-	-	-	3	45	4	-	3	45	4
	2018	-	-	1	-	-	-	3	43	6	-	3	44	6
Atka Mackerel	2014	-	-	-	-	-	-	-	40	19	-	-	40	19
	2015	-	-	-	-	-	-	-	66	27	-	-	66	27
	2016	-	-	-	-	-	-	-	80	23	-	-	80	23
	2017	-	-	-	-	-	-	7	105	11	-	7	105	11
	2018	-	-	-	-	-	-	7	122	12	-	7	122	12
All Groundfish	2014	7	298	831	-	19	53	96	513	428	7	413	1,397	428
	2015	9	293	838	-	23	62	110	513	415	9	426	1,413	415
	2016	20	251	792	17	13	54	101	567	405	37	365	1,413	405
	2017	27	180	818	13	29	44	99	574	375	40	308	1,436	375
	2018	9	93	695	-	45	23	106	611	397	9	244	1,329	397

**Notes:** These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; CFEC gross earnings (fish tickets) file; NMFS Alaska Region groundfish observer data; NMFS Alaska Region permit data; CFEC vessel registration file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 24: Bering Sea & Aleutian Islands catcher vessel crew weeks in the groundfish fisheries by month, 2014-2018.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2014	790	1,519	1,968	858	293	907	1,290	1,602	972	374	218	106	10,896
2015	972	1,656	1,724	567	132	854	1,240	1,722	1,114	644	142	136	10,904
2016	948	1,901	1,796	1,271	138	692	1,529	1,254	850	521	187	157	11,245
2017	1,102	1,768	1,660	989	238	739	1,430	1,116	872	340	236	238	10,728
2018	1,386	2,212	2,167	856	221	853	1,168	1,314	1,377	424	220	120	12,318

**Notes:** Crew weeks are calculated by summing weekly reported crew size over vessels and time period. These estimates include only vessels targeting groundfish counted toward federal TACs. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea Production Reports. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 25: Bering Sea & Aleutian Islands at-sea processor vessel crew weeks in the groundfish fisheries by month, 2014-2018.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2014	4,472	13,482	16,511	4,776	4,981	8,841	11,722	14,986	8,523	4,935	4,706	2,384	100,319
2015	7,843	13,467	12,837	5,523	5,003	7,875	10,938	14,849	9,239	6,836	3,458	2,228	100,096
2016	7,231	13,368	12,458	6,661	3,785	6,339	13,126	11,701	9,298	7,213	3,109	2,109	96,398
2017	6,262	12,766	12,818	7,720	3,454	6,229	14,396	11,861	9,409	4,968	3,641	2,055	95,579
2018	5,792	13,559	15,843	5,232	3,752	8,024	11,724	12,878	12,374	4,982	3,201	1,897	99,258

**Notes:** Crew weeks are calculated by summing weekly reported crew size over vessels and time period. These estimates include only vessels targeting groundfish counted toward federal TACs. Catcher processors typically account for 90-95% of the total at-sea crew weeks in all areas. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea Production Reports. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 26: Gulf of Alaska groundfish retained catch by vessel type, gear, and species, 2014-2018 (1,000 metric tons, round weight).

	Year	Central Gulf				Western Gulf				All Gulf			
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Pollock	2014	0.1	-	124.2	124.4	0	-	13.1	13.2	0.2	-	141.0	141.2
	2015	0.1	-	132.7	132.9	0	-	25.8	25.8	0.2	-	162.8	163.0
	2016	0.1	-	110.9	111.1	0	-	61.0	61.0	0.2	-	175.8	176.0
	2017	0.1	-	133.1	133.2	0	-	49.2	49.2	0.1	-	184.2	184.3
	2018	0	-	118.3	118.3	*	-	30.5	30.5	0	-	155.7	155.7
Pacific Cod	2014	10.5	21.0	15.5	47.1	6.5	17.1	7.7	31.3	18.2	38.2	23.2	79.6
	2015	9.5	23.1	14.2	46.7	5.1	17.1	7.2	29.3	16.1	40.1	21.3	77.6
	2016	5.1	20.6	7.7	33.5	4.2	17.0	7.4	28.6	10.5	37.6	15.1	63.2
	2017	3.8	11.3	5.3	20.5	4.4	15.0	7.6	27.0	8.7	26.4	12.9	48.0
	2018	1.5	3.1	2.1	6.7	1.4	4.5	1.4	7.3	3.3	7.6	3.5	14.4
Sablefish	2014	3.8	-	0.7	4.5	1.1	-	0.1	1.2	9.6	-	0.9	10.5
	2015	3.6	-	0.6	4.3	0.9	-	0	1.0	9.3	-	0.8	10.1
	2016	3.2	-	0.7	3.8	0.9	-	0	0.9	8.2	-	0.9	9.0
	2017	3.0	0.4	0.7	4.2	0.8	0.2	0.1	1.1	8.2	0.9	1.0	10.1
	2018	2.9	0.5	0.6	4.0	0.7	0.4	0.1	1.2	8.4	1.1	0.9	10.5
Atka Mackerel	2014	-	-	0.7	0.7	-	-	0.2	0.2	-	-	0.9	0.9
	2015	*	-	0.5	0.5	-	-	0.3	0.3	*	-	0.9	0.9
	2016	-	-	0.8	0.8	-	-	0.1	0.1	-	-	0.9	0.9
	2017	-	-	0.2	0.2	*	-	0.4	0.4	*	-	0.7	0.7
	2018	-	-	0.7	0.7	-	-	0.6	0.6	-	-	1.3	1.3
Arrowtooth	2014	0	-	31.4	31.4	0	-	0.6	0.6	0	-	32.0	32.0
	2015	0	-	16.7	16.7	*	-	0.3	0.3	0	-	16.9	16.9
	2016	0	-	17.5	17.5	0	-	0.2	0.2	0	-	17.7	17.7
	2017	0	-	24.8	24.8	0	-	0.1	0.1	0	-	24.9	24.9
	2018	0	-	16.2	16.2	0	-	0	0.1	0	-	16.2	16.2
Flathead Sole	2014	-	-	2.1	2.1	-	-	0.1	0.1	-	-	2.2	2.2
	2015	-	-	1.6	1.6	-	-	0.1	0.1	-	-	1.7	1.7
	2016	-	-	2.2	2.2	-	-	0.1	0.1	-	-	2.2	2.2
	2017	-	-	1.9	1.9	-	-	0	0	-	-	1.9	1.9
	2018	-	-	2.0	2.0	-	-	0	0	-	-	2.0	2.0

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Table 26: Continued

	Year	Central Gulf				Western Gulf				All Gulf			
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Rex Sole	2014	-	-	3.4	3.4	-	-	0	0	-	-	3.4	3.4
	2015	-	-	1.9	1.9	-	-	0	0	-	-	1.9	1.9
	2016	-	-	1.5	1.5	-	-	0	0	-	-	1.5	1.5
	2017	-	-	1.2	1.2	-	-	0	0	-	-	1.2	1.2
	2018	-	-	1.1	1.1	-	-	0	0	-	-	1.2	1.2
Shallow- water Flatfish	2014	*	-	4.2	4.2	*	-	0	0	*	-	4.2	4.2
	2015	*	-	2.9	2.9	-	-	0	0	*	-	2.9	2.9
	2016	*	-	3.6	3.6	-	-	0	0	*	-	3.6	3.6
	2017	-	-	2.0	2.0	*	-	0	0	*	-	2.0	2.0
	2018	-	-	2.5	2.5	*	-	0	0	*	-	2.5	2.5
Deep- water Flatfish	2014	*	-	0.2	0.2	*	-	0	0	*	-	0.2	0.2
	2015	*	-	0.1	0.1	-	-	*	*	*	-	0.1	0.1
	2016	*	-	0.1	0.1	*	-	*	*	*	-	0.1	0.1
	2017	*	-	0.1	0.1	0	-	0	0	0	-	0.1	0.1
	2018	*	-	0.1	0.1	*	-	*	*	*	-	0.1	0.1
Pacific Ocean Perch	2014	*	-	12.2	12.2	*	-	2.0	2.0	*	-	14.2	14.2
	2015	*	-	14.1	14.1	-	-	1.9	1.9	*	-	16.0	16.0
	2016	-	-	16.1	16.1	*	-	2.5	2.5	*	-	18.6	18.6
	2017	0	-	14.9	14.9	*	-	2.6	2.6	0	-	17.5	17.5
	2018	0	-	17.1	17.1	-	-	3.1	3.1	0	-	20.3	20.3
Northern Rockfish	2014	0	-	3.3	3.3	*	-	0.8	0.8	0	-	4.1	4.1
	2015	*	-	2.8	2.8	*	-	0.9	0.9	*	-	3.8	3.8
	2016	*	-	3.2	3.2	0	-	0.1	0.1	0	-	3.2	3.2
	2017	0	-	1.5	1.5	0	-	0.2	0.2	0	-	1.7	1.7
	2018	*	-	2.0	2.0	*	-	0.3	0.3	*	-	2.3	2.3

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Table 26: Continued

	Year	Central Gulf				Western Gulf				All Gulf			
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Dusky Rockfish	2014	0	-	2.7	2.8	*	-	0.1	0.1	0	-	2.9	2.9
	2015	0	-	2.4	2.5	*	-	0.2	0.2	0	-	2.6	2.6
	2016	0	-	3.1	3.1	0	-	0.1	0.1	0.1	-	3.1	3.2
	2017	0	-	2.3	2.3	0	-	0.1	0.1	0	-	2.4	2.4
	2018	0	-	2.8	2.8	0	-	0	0	0	-	2.8	2.8
Other Rockfish	2014	0.3	-	1.5	1.8	0.1	-	0.2	0.3	1.0	-	1.8	2.8
	2015	0.4	-	1.1	1.5	0.1	-	0.1	0.2	1.1	-	1.3	2.4
	2016	0.3	-	1.6	1.9	0.1	-	0.2	0.3	1.0	-	2.0	2.9
	2017	0.3	-	1.3	1.6	0.1	-	0.1	0.2	1.0	-	1.6	2.5
	2018	0.3	-	1.4	1.7	0.1	-	0.2	0.2	1.0	-	1.7	2.7
Other Groundfish	2014	0.5	-	0.9	1.8	0.1	-	0	0.2	0.6	-	1.0	2.2
	2015	0.6	-	0.9	1.8	0.1	-	0	0.1	0.8	-	1.0	2.2
	2016	0.2	-	1.1	1.4	0.1	-	0	0.2	0.4	-	1.1	1.7
	2017	0.1	-	0.8	1.0	0.2	-	0	0.2	0.3	-	0.8	1.3
	2018	0	-	0.8	0.9	0	-	0	0.1	0.1	-	0.8	1.0

**Notes:** The estimates are of retained catch (i.e., excludes discarded catch). All groundfish include additional species categories. These estimates include only catch counted against federal TACs. Includes FMP groundfish catch on halibut targets. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 27: Gulf of Alaska groundfish retained catch by species, gear, and target fishery, 2017-2018, (1,000 metric tons, round weight).

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	Other	All Species
Central Gulf	Sablefish	-	2.8	0	0	-	-	*	-	0.2	-	0	3.1
	2017 Pacific Cod	0.1	0	3.8	-	-	-	-	-	0	-	0.1	3.9
	Rockfish	*	*	0	-	-	-	-	-	0	-	-	0
	All Targets	0.1	3.0	3.8	0	-	-	*	-	0.3	-	0.1	7.4
Hook and Line	Sablefish	*	2.6	0	*	-	-	*	-	0.2	-	*	2.8
	2018 Pacific Cod	0	0	1.2	*	-	-	-	-	0	-	0	1.3
	Rockfish	-	-	*	-	-	-	-	-	0	-	-	0
	All Targets	0	2.9	1.3	0	-	-	*	-	0.3	-	0	4.5
Western Gulf	Sablefish	*	0.8	*	*	-	-	*	-	0.1	-	-	0.8
	2017 Pacific Cod	0	*	4.4	0	-	-	0	*	0.1	*	0.2	4.7
	All Targets	0	0.8	4.4	0	-	-	0	*	0.1	*	0.2	5.5
	Sablefish	-	0.7	*	*	-	-	*	-	0.1	-	-	0.8
All Gulf	2018 Pacific Cod	*	*	0.3	*	-	-	*	*	*	-	*	0.3
	All Targets	*	0.7	0.3	*	-	-	*	*	0.1	-	0	1.1
	Sablefish	*	7.7	0	0	-	-	*	-	0.6	-	0	8.3
All Gulf	2017 Pacific Cod	0.1	0	8.6	0	-	-	0	*	0.1	*	0.3	9.1
	Rockfish	*	0	0	-	-	-	-	-	0.1	-	-	0.1
	All Targets	0.1	8.2	8.7	0	-	-	0	*	1.0	*	0.3	18.3
	Sablefish	*	7.8	0	*	-	-	*	-	0.7	-	0	8.5
All Gulf	2018 Pacific Cod	0	0	1.8	*	-	-	*	*	0	-	0	1.9
	Rockfish	*	*	0	-	-	-	-	-	0.1	-	-	0.1
	All Targets	0	8.4	2.0	0	-	-	*	*	1.0	-	0.1	11.5
	Sablefish	-	0.4	*	*	-	-	-	-	0	-	-	0.4
Pot	2017 Pacific Cod	0	*	11.3	*	*	-	-	*	0	-	0.1	11.5
	All Targets	0	0.4	11.3	*	*	-	-	*	0	-	0.1	11.9
	Sablefish	-	0.5	*	-	-	-	-	*	0	-	-	0.5
	2018 Pacific Cod	0	-	3.1	*	-	-	-	-	0	-	0.1	3.2
Pot	All Targets	0	0.5	3.1	*	-	-	-	*	0	-	0.1	3.7

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Table 27: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	Other	All Species	
Pot	Western Gulf	Pollock, Bottom	-	-	*	-	-	-	-	-	-	-	*	
		2017 Sablefish	-	0.2	-	-	-	-	-	-	*	-	-	0.2
		Pacific Cod	0	*	15.0	*	*	-	-	0	0	*	0.1	15.1
		All Targets	0	0.2	15.0	*	*	-	-	0	0	*	0.1	15.3
	All Gulf	Sablefish	-	0.4	*	-	-	-	-	-	0	-	-	0.4
		2018 Pacific Cod	*	*	4.5	-	0	-	-	*	*	*	0.1	4.6
		All Targets	*	0.4	4.5	-	0	-	-	*	0	*	0.1	5.0
		Pollock, Bottom	-	-	*	-	-	-	-	-	-	-	-	*
	All Gulf	2017 Sablefish	-	0.9	*	*	-	-	-	-	0	-	-	0.9
		Pacific Cod	0	*	26.4	*	*	-	-	0	0	*	0.2	26.6
		All Targets	0	0.9	26.4	*	*	-	-	0	0	*	0.2	27.5
		Sablefish	-	1.1	*	-	-	-	-	*	0	-	-	1.1
2018	Pacific Cod	0	*	7.6	*	0	-	-	*	0	*	0.1	7.8	
	All Targets	0	1.1	7.6	*	0	-	-	*	0	*	0.1	8.9	
	Pollock, Bottom	6.8	0	0.5	1.0	0.2	0.1	0	0.3	0.1	0	0.1	9.0	
Trawl	Central Gulf	Pollock, Pelagic	124.7	0	0	0.1	0	0	*	0	0.4	*	0	125.3
		Sablefish	*	0.1	*	*	*	*	0	*	0	-	*	0.1
		2017 Pacific Cod	0.4	0	3.3	0.2	0.1	0	*	0.6	0.1	0	0.1	4.8
		Arrowtooth	0.7	0.2	1.2	21.9	1.4	1.0	0.1	0.4	1.2	0.1	0.4	28.5
	2018	Flathead Sole	-	-	-	-	*	-	-	-	-	-	-	*
		Rex Sole	*	*	*	*	*	*	*	*	*	*	*	*
		Flatfish, Shallow	0	0	0.1	0.1	0	0	*	0.3	0	*	0	0.6
		Rockfish	0.5	0.3	0.2	1.3	0.1	0.1	0	0	18.2	0.1	0.1	20.8
		All Targets	133.1	0.7	5.3	24.6	1.8	1.2	0.1	1.5	20.0	0.2	0.8	189.2
		Pollock, Bottom	11.1	0	0.5	1.9	0.2	0.1	0	0.2	0.5	*	0.1	14.8
		Pollock, Pelagic	105.3	0	0	0.1	0	0	*	0	0.5	*	0	106.0
		Sablefish	0	0.2	0	0	0	0	*	*	0	-	*	0.3
Pacific Cod	*	*	0.2	0	0	*	*	0	*	*	0	0.2		
2018	Arrowtooth	1.3	0.1	0.8	13.3	1.4	0.9	0	0.5	0.6	0.1	0.5	19.6	
	Flathead Sole	-	-	*	*	*	*	*	*	*	-	*	*	
	Rex Sole	*	*	*	*	*	*	*	*	*	-	*	*	
	Flatfish, Shallow	0.1	*	0.1	0.1	0.1	0	*	1.0	0	0	0	1.5	
	Rockfish	0.3	0.3	0.3	0.5	0	0.1	0	0	21.6	0.5	0	23.7	
	Atka Mackerel	*	*	*	*	*	*	-	*	-	*	*	*	
	All Targets	118.1	0.6	2.0	15.9	1.8	1.1	0.1	1.8	23.3	0.6	0.7	166.1	

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Table 27: Continued

		Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	Other	All Species	
Trawl	Western Gulf	Pollock, Bottom	0.3	*	0	*	*	*	-	-	*	*	*	0.3	
		Pollock, Pelagic	48.6	0	0	0.1	0	0	*	0	0	0	0	48.7	
		2017 Pacific Cod	0	*	7.5	0	0	*	*	-	0	*	*	0	7.5
		Arrowtooth	*	*	*	*	*	*	*	-	*	*	-	*	*
		Flathead	*	-	*	*	*	*	*	-	-	*	-	*	*
		Sole	*	*	*	*	*	*	*	-	-	*	-	*	*
		Rex Sole	*	*	*	*	*	*	*	-	-	*	-	*	*
		Rockfish	0.3	0.1	0.1	0	0	0	0	0	0	2.9	0.4	0	3.9
		Atka Mackerel	*	*	*	*	*	*	*	-	*	*	*	*	*
	All Targets	49.2	0.1	7.6	0.1	0	0	0	0	0	3.0	0.4	0	60.4	
	2018	Pollock, Bottom	0.4	*	0	0	*	*	*	-	*	*	*	*	0.4
		Pollock, Pelagic	29.8	0	0	0	0	0	0	-	0	0	0	0	29.9
		Pacific Cod	0	*	1.3	*	*	*	*	*	-	-	*	*	1.3
		Arrowtooth	*	*	*	*	*	*	*	*	*	*	*	*	*
		Rex Sole	*	*	*	*	*	*	*	*	*	*	-	*	*
		Rockfish	0.3	0.1	0	0	0	0	0	*	0	3.5	0.6	0	4.6
		Atka Mackerel	*	*	*	*	*	*	*	-	*	*	*	-	*
		All Targets	30.5	0.1	1.4	0	0	0	0	*	0	3.5	0.6	0	36.3

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Table 27: Continued

	Target	Pollock	Sablefish	Pacific Cod	Arrowtooth	Flathead Sole	Rex Sole	Flat Deep	Flat Shallow	Rockfish	Atka Mackerel	Other	All Species		
Trawl	All Gulf	Pollock, Bottom	7.1	0	0.6	1.0	0.2	0.1	0	0.3	0.1	0	0.1	9.3	
		Pollock, Pelagic	175.2	0	0.1	0.1	0	0	*	0	0.4	0	0	175.9	
		Sablefish	*	0.1	*	*	*	*	0	*	0	-	*	0.1	
		Pacific Cod	0.4	0	10.8	0.3	0.1	0	*	0.6	0.1	0	0.1	12.3	
		Arrowtooth	0.7	0.2	1.2	21.9	1.4	1.0	0.1	0.4	1.2	0.1	0.4	28.5	
		Flathead Sole	*	-	*	*	*	*	-	-	*	-	*	*	
		Rex Sole	*	*	*	*	*	*	*	*	*	*	*	*	
		Flatfish, Shallow	0	0	0.1	0.1	0	0	*	0.3	0	*	0	0.6	
		Rockfish	0.8	0.4	0.2	1.3	0.1	0.1	0	0	21.1	0.5	0.1	24.7	
		Atka Mackerel	*	*	*	*	*	*	-	*	*	*	*	*	
		All Targets	184.2	0.8	12.9	24.7	1.8	1.2	0.1	1.5	22.9	0.7	0.8	251.5	
		2018	Pollock, Bottom	11.5	0	0.5	1.9	0.2	0.1	0	0.2	0.5	*	0.1	15.1
			Pollock, Pelagic	142.1	0	0.1	0.1	0	0	*	0	0.6	0	0	142.9
			Sablefish	0	0.2	0	0	0	0	*	*	0	-	*	0.3
			Pacific Cod	0	*	1.5	0	0	*	*	0	*	*	0	1.6
			Arrowtooth	1.3	0.1	0.8	13.3	1.4	0.9	0	0.5	0.6	0.1	0.5	19.6
			Flathead Sole	-	-	*	*	*	*	*	*	*	-	*	*
			Rex Sole	*	*	*	*	*	*	*	*	*	-	*	*
			Flatfish, Shallow	0.1	*	0.1	0.1	0.1	0	*	1.0	0	0	0	1.5
Rockfish	0.6		0.4	0.3	0.5	0	0.1	0	0	25.1	1.1	0	28.3		
Atka Mackerel	*		*	*	*	*	*	-	*	*	*	*	*		
All Targets	155.5		0.7	3.4	16.0	1.8	1.1	0.1	1.8	26.9	1.3	0.7	209.4		
All Gear	Ctr. Gulf	2017 All Targets	133.2	4.2	20.5	24.6	1.8	1.2	0.1	1.5	20.3	0.2	1.0	208.4	
		2018 All Targets	118.2	4.0	6.4	15.9	1.8	1.1	0.1	1.8	23.6	0.6	0.8	174.4	
	West. Gulf	2017 All Targets	49.2	1.1	27.0	0.1	0	0	0	0	3.1	0.4	0.2	81.3	
		2018 All Targets	30.5	1.2	6.3	0	0	0	*	0	3.6	0.6	0.1	42.4	
All Gulf	2017 All Targets	184.3	9.9	48.0	24.7	1.8	1.2	0.1	1.5	23.9	0.7	1.3	297.2		
	2018 All Targets	155.6	10.3	13.0	16.0	1.8	1.1	0.1	1.8	27.9	1.3	0.9	229.8		

**Notes:** Totals may include additional categories. The target is derived from an algorithm used to determine preponderance of catch, accounting for processor, trip, processing mode, NMFS area, and gear. These estimates include only catch counted against federal TACs. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 28: Gulf of Alaska ex-vessel prices in the groundfish fisheries by gear, and species, 2014-2018; calculations based on COAR (\$/lb, round weight).

	Year	Fixed	Trawl	All Gear
Pollock	2014	0.115	0.122	0.122
	2015	0.088	0.119	0.119
	2016	0.053	0.083	0.083
	2017	0.091	0.087	0.087
	2018	0.036	0.123	0.123
Pacific Cod	2014	0.307	0.271	0.297
	2015	0.306	0.260	0.293
	2016	0.302	0.270	0.294
	2017	0.336	0.329	0.334
	2018	0.465	0.412	0.452
Sablefish	2014	3.878	2.972	3.802
	2015	4.064	3.008	3.973
	2016	4.743	1.910	4.471
	2017	5.314	3.926	5.179
	2018	3.929	2.344	3.783
Atka Mackerel	2014	0.016	0.377	0.377
	2015	0.010	0.302	0.302
	2016	0.016	0.294	0.294
	2017	0.016	0.387	0.387
	2018	*	0.355	0.355
Arrowtooth	2014	0.241	0.115	0.115
	2015	0.337	0.113	0.113
	2016	0.105	0.085	0.085
	2017	0.088	0.108	0.108
	2018	0.245	0.102	0.102
Flathead Sole	2014	*	0.157	0.157
	2015	0.336	0.147	0.147
	2016	*	0.144	0.144
	2017	*	0.135	0.135
	2018	0.245	0.142	0.142
Rex Sole	2014	*	0.250	0.250
	2015	*	0.219	0.219
	2016	-	0.273	0.273
	2017	-	0.199	0.199
	2018	-	0.254	0.254
Shallow-water Flatfish	2014	0.264	0.209	0.209
	2015	0.131	0.198	0.198
	2016	0.105	0.142	0.142
	2017	0.088	0.158	0.158
	2018	0.245	0.160	0.160
Deep-water Flatfish	2014	0.241	0.113	0.113
	2015	0.336	0.102	0.102
	2016	0.105	0.098	0.098
	2017	0.088	0.110	0.110
	2018	*	0.108	0.108

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Table 28: Continued

	Year	Fixed	Trawl	All Gear
Pacific Ocean Perch	2014	0.637	0.182	0.182
	2015	0.193	0.187	0.187
	2016	0.010	0.186	0.186
	2017	0.441	0.178	0.178
	2018	1.174	0.192	0.192
Northern Rockfish	2014	0.258	0.176	0.176
	2015	*	0.177	0.177
	2016	0.627	0.171	0.171
	2017	0.748	0.172	0.172
	2018	0.843	0.180	0.180
Dusky Rockfish	2014	0.443	0.178	0.180
	2015	0.367	0.179	0.182
	2016	0.422	0.176	0.180
	2017	0.549	0.171	0.177
	2018	0.576	0.185	0.188
Other Rockfish	2014	0.818	0.229	0.438
	2015	0.775	0.216	0.466
	2016	0.788	0.200	0.397
	2017	0.850	0.195	0.443
	2018	0.906	0.186	0.449

**Notes:** Prices are for catch from both federal and state of Alaska fisheries. The unfrozen landings price is calculated as landed value divided by estimated or actual round weight. Prices for catch processed by an at-sea processor without a COAR buying record (e.g., from catcher processors) are set using the prices for the matching species (group), region and gear-types for which buying records exist. Trawl-caught sablefish, rockfish and flatfish in the GOA and trawl-caught Atka mackerel in both the GOA and the GOA are not well represented in the COAR buying records. A price was calculated for these categories from product-report prices; the price in this case is the value of the first wholesale products divided by the calculated round weight and multiplied by a constant 0.4 to correct for value added by processing. The “All Alaska/All gear” column is the average weighted by retained catch. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 29: Gulf of Alaska ex-vessel value of the groundfish catch by vessel category, gear, and species, 2014-2018; calculations based on COAR (\$ millions).

	Year	Central Gulf				Western Gulf				All Gulf			
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Pollock	2014	-	-	33.39	33.43	-	-	3.46	3.47	-	-	37.84	37.89
	2015	-	-	34.83	34.86	-	-	7.50	7.50	-	-	43.56	43.60
	2016	-	-	20.33	20.35	-	-	11.17	11.17	-	-	32.24	32.26
	2017	-	-	25.45	25.47	-	-	9.41	9.42	-	-	35.23	35.25
	2018	-	-	32.03	32.04	-	-	8.28	8.28	-	-	42.24	42.25
Pacific Cod	2014	7.11	14.25	9.31	30.67	4.41	11.58	4.60	20.59	12.38	25.83	13.91	52.11
	2015	6.37	15.62	8.13	30.12	3.32	11.58	4.18	19.09	10.80	27.20	12.32	50.31
	2016	3.41	13.79	4.58	21.78	2.70	11.35	4.41	18.47	6.86	25.14	8.99	40.99
	2017	2.82	8.44	3.87	15.14	3.15	11.20	5.50	19.85	6.33	19.64	9.37	35.34
	2018	1.58	3.22	1.93	6.73	1.34	4.68	1.33	7.35	3.33	7.90	3.26	14.50
Sablefish	2014	32.29	-	4.55	36.84	9.37	-	0.39	9.76	82.36	-	5.82	88.18
	2015	32.41	-	4.30	36.71	8.25	-	0.27	8.52	83.28	-	5.83	89.11
	2016	33.21	-	3.56	36.76	9.48	-	0.07	9.55	85.48	-	3.68	89.16
	2017	35.51	5.18	6.28	46.97	9.29	2.63	0.57	12.49	95.74	10.98	8.50	115.22
	2018	24.86	4.72	3.07	32.65	6.32	3.10	0.81	10.22	72.86	10.03	5.02	87.90
Atka Mackerel	2014	-	-	0.57	0.57	-	-	0.24	0.24	-	-	0.80	0.80
	2015	-	-	0.37	0.37	-	-	0.23	0.23	-	-	0.60	0.60
	2016	-	-	0.54	0.54	-	-	0.09	0.09	-	-	0.63	0.63
	2017	-	-	0.18	0.18	-	-	0.41	0.41	-	-	0.59	0.59
	2018	-	-	0.56	0.56	-	-	0.53	0.53	-	-	1.09	1.09
Arrowtooth	2014	0	-	7.96	7.96	0.01	-	0.39	0.40	0.01	-	8.36	8.36
	2015	0.01	-	4.16	4.17	0.01	-	0.08	0.08	0.02	-	4.24	4.26
	2016	0	-	3.27	3.28	0	-	0.13	0.13	0	-	3.41	3.41
	2017	0	-	5.91	5.91	0.01	-	0.03	0.03	0.01	-	5.94	5.95
	2018	0	-	3.67	3.67	0	-	0.20	0.20	0	-	3.88	3.88
Flathead Sole	2014	-	-	0.80	0.80	-	-	0.04	0.04	-	-	0.83	0.83
	2015	-	-	0.56	0.56	-	-	0.04	0.04	-	-	0.60	0.60
	2016	-	-	0.70	0.70	-	-	0.04	0.04	-	-	0.74	0.74
	2017	-	-	0.56	0.56	-	-	0.01	0.01	-	-	0.57	0.57
	2018	-	-	0.63	0.63	-	-	0.04	0.04	-	-	0.67	0.67

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Table 29: Continued

	Year	Central Gulf			Western Gulf				All Gulf				
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Rex Sole	2014	-	-	1.91	1.91	-	-	0.04	0.04	-	-	1.95	1.95
	2015	-	-	0.91	0.91	-	-	0.02	0.02	-	-	0.93	0.93
	2016	-	-	0.97	0.97	-	-	0.04	0.04	-	-	1.01	1.01
	2017	-	-	0.61	0.61	-	-	0.01	0.01	-	-	0.63	0.63
	2018	-	-	0.89	0.89	-	-	0.05	0.05	-	-	0.94	0.94
Shallow- water Flatfish	2014	*	-	1.97	1.97	*	-	0.01	0.01	*	-	1.98	1.98
	2015	0	-	1.27	1.28	-	-	0.02	0.02	0	-	1.30	1.30
	2016	*	-	1.12	1.12	-	-	0	0	*	-	1.12	1.12
	2017	-	-	0.71	0.71	*	-	0	0	*	-	0.72	0.72
	2018	-	-	0.88	0.88	*	-	0.01	0.01	*	-	0.89	0.89
Deep- water Flatfish	2014	*	-	0.04	0.04	*	-	0.02	0.02	*	-	0.06	0.06
	2015	*	-	0.02	0.02	-	-	0.01	0.01	*	-	0.02	0.02
	2016	*	-	0.02	0.02	*	-	0	0	*	-	0.02	0.02
	2017	*	-	0.02	0.02	0	-	0	0	0	-	0.02	0.02
	2018	*	-	0.02	0.02	*	-	0	0	*	-	0.02	0.02
Pacific Ocean Perch	2014	*	-	4.87	4.87	*	-	0.83	0.83	*	-	6.44	6.44
	2015	*	-	5.82	5.82	-	-	0.80	0.80	*	-	7.43	7.43
	2016	-	-	6.61	6.61	*	-	1.03	1.03	*	-	8.79	8.79
	2017	0	-	5.89	5.89	*	-	1.03	1.03	0	-	8.00	8.00
	2018	0	-	7.29	7.29	-	-	1.33	1.33	0	-	9.99	9.99
Northern Rockfish	2014	0	-	1.27	1.27	*	-	0.33	0.33	0	-	1.60	1.60
	2015	*	-	1.08	1.08	*	-	0.39	0.39	*	-	1.47	1.47
	2016	*	-	1.19	1.19	0	-	0.04	0.04	0	-	1.23	1.23
	2017	0	-	0.57	0.57	0	-	0.08	0.08	0	-	0.64	0.64
	2018	0	-	0.78	0.78	*	-	0.12	0.12	0	-	0.90	0.90

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Table 29: Continued

	Year	Central Gulf			Western Gulf				All Gulf				
		Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear	Hook And Line	Pot	Trawl	All Gear
Dusky Rockfish	2014	0.02	-	1.07	1.09	*	-	0.05	0.05	0.02	-	1.12	1.14
	2015	0.02	-	0.96	0.98	0	-	0.07	0.07	0.02	-	1.03	1.05
	2016	0.04	-	1.18	1.23	0	-	0.03	0.03	0.05	-	1.21	1.27
	2017	0.02	-	0.86	0.88	0.02	-	0.03	0.05	0.04	-	0.89	0.94
	2018	0.01	-	1.13	1.14	0.01	-	0.02	0.02	0.03	-	1.15	1.18
Other Rockfish	2014	0.60	-	0.79	1.39	0.18	-	0.09	0.27	1.82	-	0.93	2.74
	2015	0.65	-	0.53	1.17	0.16	-	0.06	0.22	1.82	-	0.63	2.44
	2016	0.57	-	0.71	1.28	0.18	-	0.07	0.25	1.72	-	0.86	2.59
	2017	0.56	-	0.55	1.12	0.20	-	0.05	0.24	1.80	-	0.68	2.49
	2018	0.56	-	0.58	1.14	0.15	-	0.07	0.22	2.03	-	0.73	2.77
Other Groundfish	2014	0.49	-	0.91	1.83	0.06	-	0.03	0.19	0.64	-	1.01	2.19
	2015	0.54	-	0.95	1.82	0.12	-	0.01	0.15	0.79	-	1.07	2.20
	2016	0.17	-	1.05	1.36	0.08	-	0.01	0.16	0.30	-	1.09	1.59
	2017	0.10	-	0.83	1.05	0.14	-	0.02	0.23	0.27	-	0.85	1.31
	2018	0.04	-	0.76	0.86	0.03	-	0.05	0.16	0.11	-	0.81	1.05

**Notes:** Ex-vessel value is calculated by multiplying ex-vessel prices by the retained round weight catch. Refer to Table 18 for a description of the price derivation. The value added by at-sea processing is not included in these estimates of ex-vessel value. All groundfish includes additional species categories. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.



Table 30: Gulf of Alaska vessel and permit counts, ex-vessel value, value per vessel, and percent value of GOA FMP groundfish and all GOA fisheries by processor group, 2014-2018; calculations based on COAR (\$ millions).

	Year	Vessels	Permits	Ex-vessel Value Per Vessel \$1,000	Ex-vessel Value \$million	Percent Value, GOA FMP Groundfish	Percent Value, All GOA Fisheries
Western Gulf Trawl	2014	35	13	302.24	10.58	5.25	1.56
	2015	34	14	402.68	13.69	6.85	2.13
	2016	40	16	417.71	16.71	9.47	3.10
	2017	42	15	408.20	17.14	8.53	2.24
	2018	36	12	356.83	12.85	7.92	2.42
Central Gulf Trawl	2014	69	20	1,014.96	70.03	34.78	10.33
	2015	62	18	1,035.93	64.23	32.14	10.01
	2016	63	17	707.10	44.55	25.24	8.26
	2017	58	13	903.14	52.38	26.06	6.86
	2018	61	14	892.64	54.45	33.57	10.25
CV Hook and Line	2014	101	37	72.38	7.31	3.63	1.08
	2015	108	33	66.80	7.21	3.61	1.12
	2016	101	31	31.86	3.22	1.82	0.60
	2017	86	35	34.78	2.99	1.49	0.39
	2018	70	27	37.92	2.65	1.64	0.50
CP Hook and Line	2014	10	10	426.78	4.27	2.12	0.63
	2015	11	11	429.37	4.72	2.36	0.74
	2016	11	11	292.28	3.22	1.82	0.60
	2017	9	9	479.69	4.32	2.15	0.57
	2018	3	3	458.04	1.37	0.85	0.26
Sablefish IFQ	2014	277	37	278.28	77.08	38.28	11.37
	2015	267	37	287.29	76.71	38.39	11.95
	2016	269	35	297.78	80.10	45.39	14.85
	2017	264	40	382.61	101.01	50.25	13.22
	2018	263	39	296.32	77.93	48.05	14.67
Pot	2014	102	24	261.21	26.64	13.23	3.93
	2015	116	25	237.59	27.56	13.79	4.29
	2016	119	26	215.56	25.65	14.53	4.76
	2017	110	26	180.40	19.84	9.87	2.60
	2018	58	21	138.49	8.03	4.95	1.51
Jig	2014	259	38	10.32	2.67	1.33	0.39
	2015	242	41	9.22	2.23	1.12	0.35
	2016	208	41	7.11	1.48	0.84	0.27
	2017	108	33	1.40	0.15	0.08	0.02
	2018	101	38	3.64	0.37	0.23	0.07

**Notes:** These tables include the value of groundfish purchases reported by processing plants, as well as by other entities, such as markets and restaurants, that normally would not report sales of groundfish products. Keep this in mind when comparing ex-vessel values in this table to gross processed-product values. The data are for catch from both federal and state of Alaska fisheries. Values are not adjusted for inflation.

**Source:** ADF&G Commercial Operators Annual Reports (COAR); and ADF&G Intent to Operate (ITO) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 31: Gulf of Alaska production of groundfish products by species, 2014-2018, (1,000 metric tons product weight).

	Product	2014	2015	2016	2017	2018
Pollock	Whole Fish	0.27	2.30	14.49	9.34	0.56
	Head And Gut	29.68	30.34	27.81	37.39	39.83
	Roe	3.51	3.12	0.54	1.09	2.39
	Deep-Skin	*	-	*	0.63	*
	Fillets					
	Other Fillets	8.19	9.10	14.32	15.09	13.08
	Surimi	12.33	14.65	13.41	10.61	9.77
	Minced Fish	0.19	*	1.25	1.44	0.98
	Fishmeal	*	*	1.39	*	1.11
	Other Products	0.49	0.27	1.92	2.46	1.34
All Products	54.66	59.78	75.14	78.06	69.06	
Pacific Cod	Whole Fish	0.45	0.69	0.25	0.14	0.25
	Head And Gut	13.95	19.05	8.43	6.11	1.92
	Roe	1.79	1.34	0.78	1.04	0.37
	Fillets	9.85	6.39	7.87	6.52	2.00
	Other Products	5.03	4.52	4.33	3.58	1.04
	All Products	31.07	32.00	21.65	17.39	5.58
Sablefish	Head And Gut	5.60	5.35	5.03	5.28	5.84
	Other Products	0.39	0.24	0.30	0.36	0.29
	All Products	5.99	5.59	5.34	5.64	6.13
Atka Mackerel	Whole Fish	*	*	*	*	0.08
	Head And Gut	0.51	0.47	0.45	0.37	0.73
	Other Products	-	*	*	*	*
	All Products	0.51	0.47	0.45	0.37	0.81
Arrowtooth	Whole Fish	0.16	0.17	1.09	3.22	2.28
	Head And Gut	15.58	7.59	7.05	11.28	6.24
	Kirimi	*	*	-	-	-
	Fillets	*	*	*	*	*
	Other Products	*	0.08	0.14	*	0.01
	All Products	15.75	7.84	8.28	14.50	8.53
Flathead Sole	Whole Fish	0.81	0.34	0.74	0.45	1.02
	Head And Gut	0.45	0.40	0.38	0.46	0.28
	Kirimi	0.13	0.15	*	*	*
	Fillets	0.04	*	*	*	*
	Other Products	*	-	*	*	*
	All Products	1.44	0.89	1.11	0.91	1.29

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Table 31: Continued

	Product	2014	2015	2016	2017	2018
Rex Sole	Whole Fish	3.18	1.73	1.43	1.27	1.55
	Head And Gut	0.09	0.08	0.07	0.01	0.04
	Kirimi	-	-	-	-	*
	Fillets	*	*	*	0.00	*
	Other Products	*	-	*	*	*
	All Products	3.27	1.81	1.51	1.28	1.59
Shallow-water Flatfish	Whole Fish	1.45	0.37	0.93	0.89	0.82
	Head And Gut	0.87	0.60	0.66	0.21	0.58
	Kirimi	*	0.51	*	*	*
	Fillets	0.10	0.04	0.02	*	*
	Other Products	*	-	*	*	*
	All Products	2.42	1.53	1.61	1.11	1.40
Deep-water Flatfish	Whole Fish	0.06	*	0.00	*	0.00
	Head And Gut	0.06	0.00	0.05	*	0.01
	Fillets	0.02	*	*	*	*
	Other Products	-	-	-	*	-
	All Products	0.14	0.00	0.05	*	0.02
Pacific Ocean Perch	Whole Fish	2.75	3.13	5.13	2.71	3.38
	Head And Gut	6.31	6.96	8.33	8.19	10.26
	Other Products	0.09	0.05	0.03	0.16	0.09
	All Products	9.15	10.14	13.49	11.06	13.73
Northern Rockfish	Whole Fish	0.32	*	0.02	0.00	0.01
	Head And Gut	1.84	1.75	1.42	0.83	1.23
	Other Products	0.03	0.02	0.08	0.01	0.00
	All Products	2.18	1.77	1.51	0.84	1.25
Dusky Rockfish	Whole Fish	0.26	0.27	0.22	0.28	0.06
	Head And Gut	1.15	1.02	1.36	0.97	1.42
	Other Products	0.15	0.12	0.07	0.07	0.02
	All Products	1.56	1.41	1.65	1.31	1.50

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Table 31: Continued

	Product	2014	2015	2016	2017	2018
Other Rockfish	Whole Fish	0.48	0.42	0.61	0.54	0.62
	Head And Gut	0.77	0.67	0.71	0.68	0.76
	Other Products	0.10	0.14	0.13	0.13	0.09
	All Products	1.34	1.23	1.45	1.34	1.46
Other Groundfish	Whole Fish	0.07	0.10	0.04	0.01	0.01
	Head And Gut	0.28	0.17	0.06	0.07	0.02
	Kirimi	*	*	-	*	-
	Fillets	*	*	-	-	*
	Fishmeal	*	*	*	*	*
	Other Products	0.57	0.53	0.49	0.35	0.32
	All Products	0.93	0.80	0.59	0.43	0.36
All Species	Whole Fish	10.26	9.54	24.94	18.84	10.64
	Head And Gut	77.16	74.46	61.82	71.85	69.16
	Kirimi	0.13	0.66	*	*	*
	Roe	5.30	4.46	1.32	2.13	2.76
	Fillets	10.01	6.43	7.89	6.53	2.00
	Deep-Skin Fillets	*	-	*	0.63	*
	Other Fillets	8.19	9.10	14.32	15.09	13.08
	Surimi	12.33	14.65	13.41	10.61	9.77
	Minced Fish	0.19	*	1.25	1.44	0.98
	Fishmeal	*	*	1.39	*	1.11
	Other Products	6.85	5.97	7.49	7.11	3.20
	All Products	130.41	125.26	133.84	134.23	112.71

**Notes:** Total includes additional species not listed in the production details as well as confidential data from Tables 28 and 29. These estimates are for catch from both federal and state of Alaska fisheries. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 32: Gulf of Alaska gross value of groundfish products by species, 2014-2018, (\$ million).

	Product	2014	2015	2016	2017	2018
Pollock	Whole Fish	0.4	2.2	7.0	5.7	0.5
	Head And Gut	40.7	40.6	23.3	30.1	36.2
	Roe	15.8	8.4	1.7	4.3	9.7
	Deep-Skin	*	-	*	2.1	*
	Fillets					
	Other Fillets	24.4	26.1	39.8	32.9	33.6
	Surimi	24.0	27.6	28.7	17.7	20.7
	Minced Fish	0.2	*	1.5	1.5	1.3
	Fishmeal	*	*	2.2	*	1.5
	Other Products	0.3	0.2	2.2	2.5	1.4
	All Products	105.8	105.1	106.4	96.7	104.9
Pacific Cod	Whole Fish	0.7	0.8	0.5	0.2	0.5
	Head And Gut	38.4	52.2	22.7	20.3	8.7
	Roe	4.2	2.5	1.3	1.6	1.1
	Fillets	67.4	37.2	57.3	45.3	19.2
	Other Products	7.4	9.6	9.9	8.0	2.6
		All Products	118.0	102.5	91.8	75.5
Sablefish	Head And Gut	85.8	81.4	91.6	108.2	88.0
	Other Products	2.8	1.9	2.4	3.1	1.9
		All Products	88.6	83.2	94.1	111.3
Atka Mackerel	Whole Fish	*	*	*	*	0.2
	Head And Gut	1.7	1.3	1.2	1.2	2.3
	Other Products	-	*	*	*	*
		All Products	1.7	1.3	1.2	1.2
Arrowtooth	Whole Fish	0.2	0.1	1.1	4.9	1.5
	Head And Gut	22.0	9.9	12.1	26.7	9.2
	Kirimi	*	*	-	-	-
	Fillets	*	*	*	*	*
	Other Products	*	0.1	0.1	*	0.0
	All Products	22.2	10.2	13.3	31.5	10.7
Flathead Sole	Whole Fish	1.0	0.5	0.8	0.6	1.2
	Head And Gut	0.7	0.6	0.7	0.7	0.5
	Kirimi	0.4	0.4	*	*	*
	Fillets	0.1	*	*	*	*
	Other Products	*	-	*	*	*
		All Products	2.1	1.5	1.5	1.3

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Table 32: Continued

	Product	2014	2015	2016	2017	2018
Rex Sole	Whole Fish	6.7	3.2	3.2	2.8	3.2
	Head And Gut	0.3	0.2	0.2	0.0	0.1
	Kirimi	-	-	-	-	*
	Fillets	*	*	*	0.0	*
	Other Products	*	-	*	*	*
	All Products	7.0	3.4	3.4	2.8	3.3
Shallow-water Flatfish	Whole Fish	1.9	0.9	1.1	1.2	1.1
	Head And Gut	1.3	1.0	1.5	0.3	1.0
	Kirimi	*	1.2	*	*	*
	Fillets	0.3	0.2	0.1	*	*
	Other Products	*	-	*	*	*
	All Products	3.5	3.3	2.7	1.5	2.1
Deep-water Flatfish	Whole Fish	0.0	*	0.0	*	0.0
	Head And Gut	0.1	0.0	0.1	*	0.0
	Fillets	0.1	*	*	*	*
	Other Products	-	-	-	*	-
	All Products	0.2	0.0	0.1	*	0.0
Pacific Ocean Perch	Whole Fish	3.7	5.0	7.4	3.3	4.0
	Head And Gut	15.7	16.3	17.0	24.1	27.7
	Other Products	0.4	0.3	0.2	0.8	0.4
	All Products	19.7	21.5	24.6	28.1	32.1
Northern Rockfish	Whole Fish	0.4	*	0.0	0.0	0.0
	Head And Gut	4.5	3.7	4.1	1.8	2.8
	Other Products	0.1	0.1	0.5	0.1	0.0
	All Products	5.0	3.8	4.6	1.9	2.8
Dusky Rockfish	Whole Fish	0.4	0.6	0.4	0.4	0.1
	Head And Gut	2.8	2.6	3.9	2.1	3.6
	Other Products	0.5	0.5	0.5	0.5	0.1
	All Products	3.7	3.7	4.8	3.0	3.8

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Table 32: Continued

	Product	2014	2015	2016	2017	2018
Other Rockfish	Whole Fish	2.0	1.6	2.3	2.4	2.5
	Head And Gut	3.0	2.8	2.9	3.0	3.2
	Other Products	0.6	0.7	0.8	0.8	1.0
	All Products	5.7	5.2	6.0	6.2	6.7
Other Groundfish	Whole Fish	0.2	0.2	0.1	0.0	0.0
	Head And Gut	0.5	0.4	0.2	0.2	0.1
	Kirimi	*	*	-	*	-
	Fillets	*	*	-	-	*
	Fishmeal	*	*	*	*	*
	Other Products	2.7	3.0	2.9	1.7	1.4
	All Products	3.4	3.6	3.2	1.9	1.6
All Species	Whole Fish	17.5	15.3	24.0	21.4	14.8
	Head And Gut	217.4	213.0	181.6	218.9	183.4
	Kirimi	0.4	1.5	*	*	*
	Roe	20.0	10.9	3.0	5.9	10.7
	Fillets	67.9	37.4	57.4	45.3	19.2
	Deep-Skin Fillets	*	-	*	2.1	*
	Other Fillets	24.4	26.1	39.8	32.9	33.6
	Surimi	24.0	27.6	28.7	17.7	20.7
	Minced Fish	0.2	*	1.5	1.5	1.3
	Fishmeal	*	*	2.2	*	1.5
	Other Products	14.9	16.5	19.5	17.4	8.9
	All Products	386.7	348.3	357.8	363.0	294.1

**Notes:** Total includes additional species not listed in the production details as well as confidential data from Tables 28 and 29. These estimates are for catch from both federal and state of Alaska fisheries. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 33: Gulf of Alaska price per pound of groundfish products by species, 2014-2018, (\$/lb).

	Product	2014	2015	2016	2017	2018
Pollock	Whole Fish	0.67	0.43	0.22	0.28	0.37
	Head And Gut	0.62	0.61	0.38	0.36	0.41
	Roe	2.03	1.22	1.39	1.80	1.83
	Deep-Skin	*	-	*	1.49	*
	Fillets					
	Other Fillets	1.35	1.30	1.26	0.99	1.16
	Surimi	0.89	0.85	0.97	0.76	0.96
	Minced Fish	0.56	*	0.53	0.46	0.61
	Fishmeal	*	*	0.71	*	0.62
	Other Products	0.31	0.39	0.51	0.45	0.49
All Products	0.88	0.80	0.64	0.56	0.69	
Pacific Cod	Whole Fish	0.66	0.56	0.95	0.81	0.86
	Head And Gut	1.25	1.24	1.22	1.51	2.05
	Roe	1.06	0.86	0.78	0.68	1.28
	Fillets	3.10	2.64	3.30	3.15	4.35
	Other Products	0.67	0.97	1.04	1.02	1.13
	All Products	1.72	1.45	1.92	1.97	2.60
Sablefish	Head And Gut	6.95	6.90	8.26	9.30	6.83
	Other Products	3.27	3.50	3.64	3.92	2.99
	All Products	6.71	6.75	7.99	8.95	6.65
Atka Mackerel	Whole Fish	*	*	*	*	0.97
	Head And Gut	1.54	1.24	1.21	1.47	1.42
	Other Products	-	*	*	*	*
	All Products	1.54	1.24	1.21	1.47	1.38
Arrowtooth	Whole Fish	0.53	0.27	0.46	0.69	0.30
	Head And Gut	0.64	0.59	0.78	1.07	0.67
	Fillets	*	*	*	*	*
	Other Products	*	0.63	0.45	*	0.37
	All Products	0.64	0.59	0.73	0.99	0.57
Flathead Sole	Whole Fish	0.54	0.71	0.49	0.59	0.53
	Head And Gut	0.69	0.63	0.86	0.74	0.89
	Fillets	1.36	*	*	*	*
	Other Products	*	-	*	*	*
	All Products	0.67	0.74	0.62	0.67	0.60
Rex Sole	Whole Fish	0.96	0.84	1.01	0.99	0.93
	Head And Gut	1.67	1.30	1.33	1.45	1.35
	Fillets	*	*	*	0.34	*
	Other Products	*	-	*	*	*
	All Products	0.98	0.86	1.02	0.99	0.94
Shallow- water Flatfish	Whole Fish	0.58	1.06	0.55	0.61	0.61
	Head And Gut	0.69	0.75	1.03	0.68	0.81
	Fillets	1.39	2.37	2.08	*	*
	Other Products	*	-	*	*	*
	All Products	0.65	0.97	0.77	0.63	0.70

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Table 33: Continued

	Product	2014	2015	2016	2017	2018
Deep-water Flatfish	Whole Fish	0.36	*	0.50	*	0.45
	Head And Gut	0.70	1.09	0.73	*	0.39
	Fillets	2.04	*	*	*	*
	Other Products	-	-	-	*	-
	All Products	0.73	1.09	0.72	*	0.40
Pacific Ocean Perch	Whole Fish	0.60	0.72	0.65	0.55	0.54
	Head And Gut	1.13	1.06	0.93	1.33	1.22
	Other Products	1.96	2.36	2.70	2.18	2.02
	All Products	0.98	0.96	0.83	1.15	1.06
Northern Rockfish	Whole Fish	0.59	*	0.72	0.76	0.42
	Head And Gut	1.10	0.97	1.32	1.01	1.04
	Other Products	2.03	1.73	2.82	2.11	1.96
	All Products	1.04	0.98	1.38	1.03	1.03
Dusky Rockfish	Whole Fish	0.66	1.07	0.87	0.62	0.72
	Head And Gut	1.09	1.14	1.30	1.00	1.14
	Other Products	1.62	1.97	3.08	2.98	2.48
	All Products	1.07	1.20	1.31	1.02	1.15
Other Rockfish	Whole Fish	1.92	1.74	1.72	1.98	1.87
	Head And Gut	1.77	1.92	1.85	2.01	1.93
	Other Products	3.01	2.46	2.87	2.91	4.78
	All Products	1.91	1.92	1.89	2.08	2.09
Other Groundfish	Whole Fish	1.13	1.08	1.26	2.19	1.11
	Head And Gut	0.75	0.93	1.61	1.41	1.84
	Fillets	*	*	-	-	*
	Fishmeal	*	*	*	*	*
	Other Products	2.15	2.58	2.71	2.18	2.02
	All Products	1.65	2.03	2.50	2.06	1.97

**Notes:** These estimates are based on data from both federal and state of Alaska fisheries. Prices based on confidential data have been excluded. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 34: Gulf of Alaska total product value per round metric ton of retained catch by species and year, 2014-2018, (\$/mt).

Species	2014	2015	2016	2017	2018
Pollock	753	636	616	542	684
Sablefish	8,390	8,156	10,363	11,032	8,528
Pacific Cod	1,481	1,318	1,452	1,571	2,199
Flatfish	825	777	863	1,233	779
Rockfish	1,314	1,280	1,297	1,451	1,444
Atka Mackerel	1,809	1,471	1,243	1,734	1,783
Other	1,535	1,638	1,907	1,497	1,453

**Notes:** These estimates include the product value of catch from both federal and state of Alaska fisheries. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea and Shoreside Production Reports; ADF&G Commercial Operators Annual Reports (COAR); and NMFS Alaska Region Blend and Catch-accounting System estimates. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 35: Gulf of Alaska number of processors, gross product value, value per processor, and percent value of GOA FMP groundfish of processed groundfish by processor group, 2014-2018, (\$ millions).

	Year	Processors	Wholesale Value (\$million)	Wholesale Value Per Processor (\$1,000)	Percent Value, GOA FMP Groundfish
Central and Western Gulf Trawl	2014	11	49.15	4,468.29	10.24
	2015	9	34.98	3,886.93	7.98
	2016	15	33.46	2,230.55	7.36
	2017	11	50.35	4,577.04	10.96
	2018	9	34.30	3,811.59	8.22
CP Hook and Line	2014	13	8.25	634.83	1.72
	2015	11	9.53	866.01	2.17
	2016	12	7.47	622.12	1.64
	2017	11	10.22	929.27	2.22
	2018	7	2.94	420.59	0.71
Sablefish IFQ	2014	6	4.85	808.58	1.01
	2015	5	3.31	662.14	0.76
	2016	5	4.48	895.44	0.99
	2017	6	5.38	896.91	1.17
	2018	5	4.35	870.47	1.04
Motherships & Inshore Floating Procs.	2014	4	92.56	23,139.14	19.28
	2015	5	89.47	17,893.98	20.42
	2016	5	116.70	23,339.44	25.68
	2017	5	114.39	22,878.90	24.90
	2018	3	113.32	37,774.80	27.16
Kodiak Shoreside Procs.	2014	9	181.49	20,165.82	37.81
	2015	9	167.74	18,637.43	38.29
	2016	8	145.15	18,143.79	31.94
	2017	8	139.67	17,458.44	30.40
	2018	8	138.64	17,330.17	33.22
Southcentral Gulf Shoreside Procs.	2014	12	38.05	3,170.96	7.93
	2015	11	35.88	3,261.90	8.19
	2016	12	38.33	3,194.43	8.43
	2017	10	39.29	3,929.12	8.55
	2018	11	29.05	2,641.22	6.96
Southeastern Gulf Shoreside Procs.	2014	11	30.93	2,812.23	6.44
	2015	11	31.57	2,869.74	7.21
	2016	11	33.46	3,041.43	7.36
	2017	14	40.24	2,874.21	8.76
	2018	14	34.42	2,458.85	8.25
Western Gulf Shoreside Procs.	2014	3	74.72	24,905.56	15.57
	2015	3	65.63	21,876.77	14.98
	2016	3	75.43	25,144.97	16.60
	2017	3	59.88	19,959.23	13.03
	2018	2	*	*	-999,900.00

**Notes:** The data are for catch from both federal and state of Alaska fisheries. The processor groups are defined as follows: “Western and Central Gulf Trawl” are the processors in the Western and Central Gulf. “CP Hook and Line” are the hook and line catcher processors. “Sablefish IFQ” are processors processing sablefish IFQ. Values are not adjusted for inflation.

**Source:** ADF&G Commercial Operators Annual Reports (COAR); and ADF&G Intent to Operate (ITO) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 36: Gulf of Alaska number of vessels, average and median length, and average and median capacity (tonnage) of vessels that caught groundfish by vessel type, and gear, 2014-2018.

	Year	Vessels	Average Length (feet)	Median Length (feet)	Average Capacity (tons)	Median Capacity (tons)
Central and Western Gulf Trawl	2014	82	88	88.0	112	94.0
	2015	78	87	87.5	112	98.0
	2016	84	87	88.0	110	98.0
	2017	79	90	88.0	122	103.0
	2018	78	88	88.0	113	103.0
CV Hook and Line	2014	61	43	42.0	27	24.0
	2015	64	42	42.0	25	24.0
	2016	58	44	42.0	28	24.0
	2017	49	43	42.0	26	24.0
	2018	33	44	42.0	27	24.0
CP Hook and Line	2014	9	125	128.0	279	134.0
	2015	11	130	128.0	285	143.0
	2016	10	147	136.0	290	132.0
	2017	9	148	136.0	347	132.0
	2018	3	120	136.0	266	132.0
Sablefish IFQ	2014	280	57	57.0	49	36.0
	2015	261	57	57.0	46	39.0
	2016	265	57	57.0	48	37.0
	2017	258	56	57.0	48	36.0
	2018	257	57	57.0	48	39.0
Pot	2014	101	61	58.0	58	52.0
	2015	116	61	58.0	55	48.0
	2016	118	60	58.0	57	48.0
	2017	108	61	58.0	56	48.0
	2018	58	65	58.0	61	51.0
Jig	2014	247	39	39.0	16	14.0
	2015	265	40	40.0	16	14.0
	2016	307	41	41.0	17	16.0
	2017	189	39	40.0	14	14.0
	2018	185	39	40.0	14	12.5
No Fleet/Other	2014	11	58	51.0	41	23.0
	2015	16	45	40.0	24	10.0
	2016	14	47	48.0	23	24.0
	2017	8	41	38.0	16	13.0
	2018	9	39	35.0	14	10.0

**Notes:** These estimates include only vessels fishing part of federal TACs. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; CFEC gross earnings (fish tickets) file; NMFS Alaska Region groundfish observer data; NMFS Alaska Region permit data; CFEC vessel registration file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 37: Gulf of Alaska number of vessels that caught groundfish by month, vessel type, and gear, 2014-2018.

	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year		
Catcher Vessels	Hook & Line	2014	58	96	192	234	286	136	103	121	128	97	74	46	538	
		2015	78	122	207	259	298	132	94	107	133	109	57	49	521	
		2016	76	115	187	260	243	119	84	108	118	103	42	13	479	
		2017	54	81	120	164	168	126	81	72	121	102	53	19	369	
		2018	9	49	98	125	177	121	63	102	172	112	100	17	351	
	Pot	2014	57	40	87	7	2	-	-	3	38	39	22	11	102	
		2015	78	77	100	51	-	-	-	-	13	17	19	24	116	
		2016	80	86	78	66	-	-	-	-	15	24	29	32	118	
		2017	74	86	89	91	16	11	9	5	11	18	15	8	127	
		2018	24	30	46	10	14	11	5	6	16	14	13	5	78	
	Trawl	2014	41	63	61	51	25	20	12	47	59	52	23	4	71	
		2015	40	60	65	57	30	13	6	15	52	54	18	1	68	
		2016	49	54	59	42	29	18	4	45	58	61	34	2	70	
		2017	37	45	61	42	21	17	5	4	53	60	35	1	68	
		2018	12	53	51	25	19	15	2	35	59	61	28	2	69	
All Gear	2014	147	199	327	291	313	156	115	171	219	185	119	61	672		
	2015	192	254	360	363	328	145	100	122	198	179	94	74	671		
	2016	199	246	312	365	272	137	88	152	191	187	102	47	628		
	2017	165	208	254	293	203	152	93	80	184	175	102	28	521		
	2018	45	132	187	158	210	146	70	141	246	186	139	24	467		
Catcher Processors	Hook & Line	2014	1	6	8	5	3	2	1	1	3	3	3	1	13	
		2015	3	5	6	4	6	3	2	1	3	3	2	1	12	
		2016	1	2	4	5	4	4	4	1	2	4	4	2	4	12
		2017	-	3	7	7	3	2	3	1	6	3	1	1	1	11
		2018	-	2	5	3	1	1	1	1	1	3	-	1	-	7
	Trawl	2014	-	-	1	5	4	3	7	6	3	7	5	1	11	
		2015	-	1	1	4	4	3	9	4	4	1	2	1	10	
		2016	-	1	-	2	2	2	12	7	4	2	2	2	14	
		2017	-	1	2	2	2	4	10	6	4	4	2	1	11	
		2018	-	-	1	2	1	5	8	4	4	1	1	1	9	
	All Gear	2014	1	6	9	10	7	5	8	7	6	10	8	2	24	
		2015	3	6	7	8	10	6	11	5	7	4	4	2	22	
		2016	1	3	4	7	6	6	13	9	8	6	4	6	26	
		2017	-	4	9	9	5	6	13	7	10	7	3	2	22	
		2018	-	2	6	5	2	6	9	5	7	1	2	1	16	

**Notes:** These estimates include only vessels fishing part of federal TACs. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; CFEC gross earnings (fish tickets) file; NMFS Alaska Region groundfish observer data; NMFS Alaska Region permit data; CFEC vessel registration file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 38: Gulf of Alaska catcher vessel (excluding catcher/processors) weeks of fishing groundfish by vessel-length class (feet), gear, and target, 2014-2018.

	Year	Hook & Line		Pot		Trawl		All Gear	
		<60ft	60-125ft	<60ft	60-125ft	<60ft	60-125ft	<60ft	60-125ft
Pollock	2014	-	-	-	-	181	550	181	550
	2015	-	-	-	-	237	569	237	569
	2016	-	-	-	-	289	524	289	524
	2017	-	-	-	-	180	527	180	527
	2018	-	-	-	-	187	482	187	482
Sablefish	2014	1,162	307	-	-	2	7	1,164	314
	2015	1,242	342	-	-	3	17	1,245	359
	2016	1,270	361	-	-	1	10	1,271	371
	2017	1,302	273	130	45	-	9	1,432	327
	2018	1,449	285	135	57	-	18	1,584	360
Pacific Cod	2014	1,525	20	756	216	163	73	2,444	309
	2015	1,824	14	895	238	145	114	2,864	366
	2016	1,384	7	944	228	117	102	2,445	337
	2017	566	-	879	209	109	60	1,554	269
	2018	371	-	190	93	28	3	589	96
Flatfish	2014	-	-	-	-	9	151	9	151
	2015	-	-	-	-	0	76	0	76
	2016	-	-	-	-	2	159	2	159
	2017	-	-	-	-	-	103	-	103
	2018	-	-	-	-	26	139	26	139
Rockfish	2014	425	4	-	-	7	101	432	105
	2015	370	6	-	-	4	97	374	103
	2016	282	3	-	-	3	120	285	123
	2017	278	2	-	-	7	88	285	90
	2018	255	7	-	-	5	97	260	104
Atka Mackerel	2016	-	-	-	-	-	1	-	1
	2018	-	-	-	-	-	0	-	0
All Groundfish	2014	3,114	331	-	-	362	881	4,235	1,430
	2015	3,437	362	-	-	391	872	4,722	1,472
	2016	2,942	371	-	-	412	914	4,297	1,514
	2017	2,154	275	-	-	297	786	3,460	1,316
	2018	2,085	292	-	-	247	740	2,661	1,181

**Notes:** These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; CFEC gross earnings (fish tickets) file; NMFS Alaska Region groundfish observer data; NMFS Alaska Region permit data; CFEC vessel registration file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 39: Gulf of Alaska catcher/processor vessel weeks of fishing groundfish by vessel-length class (feet), gear, and target, 2014-2018.

	Year	Hook & Line			Trawl			All Gear			
		<60ft	60-124ft	125-230ft	60-124ft	125-230ft	>230ft	<60ft	60-124ft	125-230ft	>230ft
Pollock	2014	-	-	-	0	0	-	-	0	0	-
	2015	-	-	-	-	1	-	-	-	1	-
	2018	-	-	-	0	0	-	-	0	0	-
Sablefish	2014	7	-	18	0	-	-	7	0	18	-
	2015	9	-	19	0	-	-	9	0	19	-
	2016	9	-	17	-	-	-	9	-	17	-
	2017	9	-	20	-	-	-	9	-	20	-
	2018	10	-	21	0	-	-	10	0	21	-
Pacific Cod	2014	2	22	29	-	-	-	2	22	29	-
	2015	4	30	30	0	-	-	4	30	30	-
	2016	0	-	45	2	-	-	0	2	45	-
	2017	-	4	43	1	-	-	-	5	43	-
	2018	4	-	8	-	-	-	4	-	8	-
Flatfish	2014	-	-	-	62	27	-	-	62	27	-
	2015	-	-	-	49	16	-	-	49	16	-
	2016	-	-	-	41	8	-	-	41	8	-
	2017	-	-	-	62	16	-	-	62	16	-
	2018	-	-	-	34	4	-	-	34	4	-
Rockfish	2014	-	-	-	2	29	3	-	2	29	3
	2015	-	-	-	8	30	2	-	8	30	2
	2016	-	-	-	4	33	2	-	4	33	2
	2017	-	-	0	5	32	0	-	5	32	0
	2018	-	-	-	7	35	-	-	7	35	-
Atka Mackerel	2017	-	-	-	1	-	-	-	1	-	-
	2018	-	-	-	0	0	-	-	0	0	-
All Groundfish	2014	9	22	48	65	56	3	9	87	104	3
	2015	13	30	49	58	47	2	13	88	96	2
	2016	9	-	62	48	41	2	9	48	103	2
	2017	9	4	63	69	48	0	9	73	111	0
	2018	14	-	29	42	40	-	14	42	69	-

**Notes:** These estimates include only vessels fishing part of federal TACs. A vessel that fished more than one category in a week is apportioned a partial week based on catch weight. A target is determined based on vessel, week, processing mode, NMFS area, and gear. All groundfish include additional target categories. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; CFEC gross earnings (fish tickets) file; NMFS Alaska Region groundfish observer data; NMFS Alaska Region permit data; CFEC vessel registration file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 40: Gulf of Alaska catcher vessel crew weeks in the groundfish fisheries by month, 2014-2018.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2014	1,049	1,860	3,266	2,032	2,336	1,162	516	994	1,990	1,820	864	443	18,330
2015	1,843	2,316	3,257	2,313	2,755	1,048	524	784	1,798	2,124	664	503	19,928
2016	1,692	2,318	2,506	3,069	1,982	1,024	635	903	1,736	2,298	642	371	19,176
2017	1,500	2,191	2,262	2,556	1,486	1,185	598	616	1,684	1,858	648	228	16,812
2018	352	1,150	1,378	1,340	1,721	1,276	494	808	2,242	1,842	926	156	13,686

**Notes:** Crew weeks are calculated by summing weekly reported crew size over vessels and time period. These estimates include only vessels targeting groundfish counted toward federal TACs. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea Production Reports. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 41: Gulf of Alaska at-sea processor vessel crew weeks in the groundfish fisheries by month, 2014-2018.

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
2014	*	190	358	638	233	201	834	526	312	427	415	*	4,134
2015	155	280	270	499	348	188	846	689	302	247	192	*	4,016
2016	*	107	97	320	215	293	1,229	504	254	228	152	189	3,588
2017	-	112	462	261	135	317	1,130	615	591	295	156	*	4,074
2018	-	*	146	194	114	488	879	408	247	*	*	*	2,476

**Notes:** Crew weeks are calculated by summing weekly reported crew size over vessels and time period. These estimates include only vessels targeting groundfish counted toward federal TACs. Catcher processors typically account for 90-95% of the total at-sea crew weeks in all areas. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Region At-sea Production Reports. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.



Table H1: Catch (net landed weight) in the commercial Pacific halibut fisheries off Alaska by region, 2014-2018, (hundreds of metric tons).

Year	Gulf of Alaska	Bering Sea and Aleutian Islands	All Alaska
2014	65.15	13.40	78.56
2015	68.30	13.98	82.28
2016	68.71	15.09	83.80
2017	76.81	16.64	93.45
2018	67.75	16.15	83.90

**Notes:** These estimates include catch from all Alaska commercial fisheries (including CDQ). Net weight is dressed, head-off, slime and ice deducted.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table H2: Catch (net landed weight) and percent of regional catch in the commercial Pacific halibut fisheries off Alaska by vessel length (feet) and region, 2014-2018, (hundreds of metric tons).

	Length	Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska	
		Net Tons	Percent	Net Tons	Percent	Net Tons	Percent
2014	<20	0.10	0	0.19	0.01	0.29	0
	20-29	1.54	0.02	1.27	0.09	2.80	0.04
	30-39	10.34	0.16	2.19	0.16	12.53	0.16
	40-49	19.55	0.30	1.28	0.10	20.83	0.27
	50-59	23.46	0.36	5.36	0.40	28.81	0.37
	>=60	9.81	0.15	3.12	0.23	12.93	0.17
2015	<20	0.10	0	*	*	0.10	0
	20-29	1.54	0.02	0.97	0.07	2.51	0.03
	30-39	10.51	0.15	1.96	0.14	12.46	0.15
	40-49	20.12	0.30	1.89	0.14	22.01	0.27
	50-59	25.83	0.38	5.94	0.43	31.77	0.39
	>=60	9.91	0.15	3.18	0.23	13.09	0.16
2016	<20	0.11	0	*	*	0.11	0
	20-29	1.67	0.02	0.95	0.06	2.61	0.03
	30-39	10.99	0.16	1.98	0.13	12.97	0.16
	40-49	20.92	0.31	2.19	0.15	23.12	0.28
	50-59	25.14	0.37	6.35	0.42	31.49	0.38
	>=60	9.53	0.14	3.50	0.23	13.02	0.16
2017	<20	0.10	0	*	*	0.10	0
	20-29	1.66	0.02	0.91	0.05	2.57	0.03
	30-39	12.20	0.16	2.87	0.17	15.06	0.16
	40-49	23.72	0.31	2.74	0.17	26.46	0.28
	50-59	28.18	0.37	6.35	0.38	34.52	0.37
	>=60	10.66	0.14	3.66	0.22	14.33	0.15
2018	<20	0.09	0	*	*	0.09	0
	20-29	1.32	0.02	0.90	0.06	2.21	0.03
	30-39	10.75	0.16	3.19	0.20	13.94	0.17
	40-49	22.23	0.33	2.72	0.17	24.95	0.30
	50-59	24.12	0.36	5.62	0.35	29.74	0.36
	>=60	9.09	0.13	3.57	0.22	12.66	0.15

**Notes:** Excludes vessels in the Annette Island commercial Pacific halibut fishery. These estimates include catch from all Alaska commercial fisheries (including CDQ). Net weight is dressed, head-off, slime and ice deducted.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table H3: Non-halibut prohibited species catch on commercial Pacific halibut target trips off Alaska by PSC species and area, 2014-2018.

	Year	Bairdi Tanner Crab (Count)	Chinook Salmon (Count)	Herring (Tons)	Non- Chinook Salmon (Count)	Opilio Tanner (Snow) Crab (Count)	Other King Crab (Count)	Red King Crab (Count)
Gulf of Alaska	2014	21	-	-	-	-	-	379
	2015	-	-	-	-	-	*	-
	2016	37	-	-	-	-	18	178
	2017	0	-	-	-	0	0	-
	2018	134	-	-	-	-	69	17
Bering Sea and Aleutian Islands	2014	-	-	-	-	-	299	-
	2015	-	-	-	-	-	560	-
	2016	8	*	*	*	20	222	12
	2017	18	*	*	*	34	231	201
	2018	21	*	*	33	65	777	28

**Notes:** These estimates include catch from all Alaska commercial fisheries (including CDQ). For details on prohibited species catch estimation see Cahalan, J., J. Gasper, and J. Mondragon. 2014. Catch sampling and estimation in the federal groundfish fisheries off Alaska, 2015 edition. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-286, 46 p. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** NMFS Alaska Regional Office Prohibited Species Catch database. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table H4A: Ex-vessel value and price in the commercial Pacific halibut fisheries off Alaska by region, 2014-2018, (\$ millions and \$/lb net weight, respectively).

Year	Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska	
	Value	Price	Value	Price	Value	Price
2014	89.54	6.23	15.77	5.34	105.31	6.08
2015	94.33	6.26	17.68	5.74	112.01	6.17
2016	99.37	6.56	19.59	5.89	118.96	6.44
2017	97.78	5.77	19.34	5.27	117.13	5.68
2018	73.27	4.91	14.69	4.13	87.96	4.76

**Notes:** These estimates include catch from all Alaska commercial fisheries (including CDQ). Price is calculated as landed value divided by net weight. Values are not adjusted for inflation. Net weight is dressed, head-off, slime and ice deducted.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table H4B: Ex-vessel value and price in the commercial Pacific halibut fisheries off Alaska by IPHC area, 2014-2018, (\$ millions and \$/lb net weight, respectively).

	Variable	2014	2015	2016	2017	2018
2C	Value	21.56	23.66	27.36	26.45	18.50
	Price	6.22	6.30	6.62	5.87	4.87
3A	Value	48.58	50.76	50.31	48.92	39.47
	Price	6.31	6.31	6.60	5.81	4.98
3B	Value	17.83	16.69	17.83	18.58	13.07
	Price	6.10	6.13	6.43	5.61	4.83
4A	Value	4.79	7.94	8.34	7.94	5.78
	Price	5.76	6.00	6.22	5.47	4.27
4B	Value	5.89	6.03	6.30	5.99	4.68
	Price	5.41	5.69	5.76	5.14	4.07
4CDE	Value	6.65	6.93	8.82	9.24	6.47
	Price	5.09	5.62	5.83	5.28	4.12

**Notes:** Values and prices are for catch from all Alaska commercial fisheries (including CDQ). Price is calculated as landed value divided by net weight. Values are not adjusted for inflation. Net weight is dressed, head-off, slime and ice deducted.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table H5: Ex-vessel value and average annual revenue per vessel in the commercial Pacific halibut fisheries off Alaska by region and vessel length (feet), 2014-2018, (\$ millions and \$ thousands, respectively).

	Length	Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska	
		Value	Avg. Value/Vessel	Value	Avg. Value/Vessel	Value	Avg. Value/Vessel
2014	<20	0.14	6.01	0.19	12.00	0.33	8.69
	20-29	2.14	18.58	1.10	22.53	3.24	19.76
	30-39	14.08	53.76	2.44	69.63	16.52	57.77
	40-49	26.60	97.43	1.50	115.53	28.10	101.45
	50-59	32.38	185.05	6.56	243.10	38.95	217.59
	>=60	13.71	291.77	3.97	233.41	17.68	353.62
2015	<20	0.14	8.49	*	*	0.18	6.51
	20-29	2.15	21.30	1.09	41.76	3.24	25.49
	30-39	14.41	57.86	2.34	83.47	16.74	62.48
	40-49	27.62	108.33	2.33	166.55	29.95	115.66
	50-59	35.74	196.37	7.69	248.11	43.43	231.01
	>=60	13.86	315.07	4.19	220.73	18.06	376.19
2016	<20	0.15	8.00	*	*	0.28	10.03
	20-29	2.41	23.62	1.06	39.22	3.47	26.89
	30-39	15.78	66.30	2.43	83.68	18.21	70.30
	40-49	30.14	120.07	2.79	199.04	32.92	128.11
	50-59	36.32	199.58	8.41	280.43	44.74	241.82
	>=60	14.06	312.39	4.78	281.20	18.84	400.80
2017	<20	0.13	9.86	*	*	0.27	12.07
	20-29	2.13	23.12	1.03	39.53	3.15	26.74
	30-39	15.46	63.11	3.29	93.87	18.75	69.43
	40-49	30.11	120.93	3.21	214.18	33.32	131.72
	50-59	35.83	205.93	7.30	260.71	43.13	247.88
	>=60	13.72	319.02	4.38	257.69	18.10	393.45
2018	<20	0.09	6.95	*	*	0.27	13.30
	20-29	1.43	18.15	0.76	31.87	2.20	21.34
	30-39	11.58	48.66	2.85	79.14	14.43	55.93
	40-49	23.96	98.18	2.49	155.75	26.45	106.22
	50-59	25.95	153.57	5.09	188.53	31.04	180.49
	>=60	10.10	229.64	3.32	195.12	13.42	285.56

**Notes:** Values are for catch from all Alaska commercial fisheries (including CDQ). Excludes vessels in the Annette Island commercial Pacific halibut fishery. Length is measured in feet. Values are not adjusted for inflation.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table H6: Ex-vessel value port ranking, annual ex-vessel value, price and percent of statewide value in the commercial Pacific halibut fisheries off Alaska by port, 2014-2018, (\$ millions and \$/lb net weight).

	Port	2014	2015	2016	2017	2018
Ex-vessel Value	Homer	18.51	17.25	18.32	13.06	13.18
	Kodiak	15.94	17.28	16.95	19.59	10.55
	Seward	11.56	12.76	13.25	13.46	12.79
	Dutch Harbor	*	*	*	*	*
	Sitka	*	*	8.17	*	5.84
	Juneau	5.79	*	7.50	6.68	5.35
	St Paul Island	*	*	*	*	*
	Petersburg	7.62	7.01	9.93	9.97	6.59
	Yakutat	*	4.07	4.33	*	*
Price	Homer	6.05	6.11	6.43	5.82	5.24
	Kodiak	6.32	6.23	6.60	5.59	4.60
	Seward	6.20	6.20	6.46	5.79	4.98
	Dutch Harbor	*	*	*	*	*
	Sitka	*	*	6.53	*	4.63
	Juneau	6.12	*	6.75	6.01	4.87
	St Paul Island	*	*	*	*	*
	Petersburg	6.24	6.52	6.72	5.93	4.86
	Yakutat	*	6.48	6.52	*	*
Percent State Value	Homer	18 %	15 %	15 %	11 %	15 %
	Kodiak	15 %	15 %	14 %	17 %	12 %
	Seward	11 %	11 %	11 %	11 %	15 %
	Dutch Harbor	*	*	*	*	*
	Sitka	*	*	7 %	*	7 %
	Juneau	5 %	*	6 %	6 %	6 %
	St Paul Island	*	*	*	*	*
	Petersburg	7 %	6 %	8 %	9 %	7 %
	Yakutat	*	4 %	4 %	*	*
Rank	Homer	1	2	1	3	1
	Kodiak	2	1	2	1	3
	Seward	3	3	3	2	2
	Dutch Harbor	6	4	5	5	6
	Sitka	5	6	6	6	5
	Juneau	7	5	7	7	7
	St Paul Island	13	11	11	10	11
	Petersburg	4	7	4	4	4
	Yakutat	10	9	9	9	8

**Notes:** Displays only the 10 Alaska ports of landing with the highest average ex-vessel value. Values and prices are for catch from all Alaska commercial fisheries (including CDQ). Price is calculated as landed value divided by net weight. Net weight is dressed, head-off, slime and ice deducted. Values are not adjusted for inflation. “\*” indicates a confidential value; “-” indicates no applicable data or value.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table H7: First wholesale production volume, value and price in the commercial Pacific halibut fisheries off Alaska by product, 2014-2018, (1000s of metric tons, \$ millions and \$/lb net weight, respectively).

	Year	Quantity	Value	Price
Head and Gut	2014	4.80	81.92	7.73
	2015	5.38	92.07	7.77
	2016	6.29	94.99	6.85
	2017	5.64	91.86	7.39
	2018	5.01	75.59	6.84
Fillet	2014	0.88	25.53	13.23
	2015	1.11	34.82	14.21
	2016	1.23	39.30	14.50
	2017	1.40	42.05	13.65
	2018	1.16	33.17	12.92
Other Products	2014	0.50	2.47	2.23
	2015	3.05	6.86	1.02
	2016	0.68	4.61	3.09
	2017	0.46	2.74	2.68
	2018	0.33	1.73	2.39
All Products	2014	6.18	109.92	8.06
	2015	9.54	133.76	6.36
	2016	8.19	138.91	7.69
	2017	7.50	136.64	8.27
	2018	6.50	110.50	7.71

**Notes:** Landings, values and prices for catch from all Alaska commercial fisheries (including CDQ). Price is calculated as landed value divided by net weight. Net weight is dressed, head-off, slime and ice deducted. Values are not adjusted for inflation.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table H8: Number of vessels catching Pacific halibut commercially off Alaska and median vessel length by region and vessel length class, 2014-2018.

	Year	Gulf of Alaska		Bering Sea and Aleutian Islands		All Alaska	
		Vessels	Median Length	Vessels	Median Length	Vessels	Median Length
<20	2014	23	18	16	18	38	18
	2015	16	18	12	18	27	18
	2016	19	17	10	18	28	18
	2017	13	18	9	18	22	18
	2018	13	17	7	18	20	18
20-29	2014	115	25	49	26	164	26
	2015	101	25	26	27	127	25
	2016	102	25	27	28	129	25
	2017	92	25	26	28	118	25
	2018	79	26	24	28	103	27
30-39	2014	262	34	35	32	286	34
	2015	249	34	28	32	268	34
	2016	238	34	29	32	259	33
	2017	245	33	35	32	270	33
	2018	238	34	36	32	258	33
40-49	2014	273	43	13	46	277	43
	2015	255	43	14	47	259	43
	2016	251	43	14	47	257	43
	2017	249	44	15	47	253	44
	2018	244	44	16	47	249	44
50-59	2014	175	55	27	57	179	55
	2015	182	55	31	58	188	55
	2016	182	55	30	58	185	55
	2017	174	55	28	58	174	55
	2018	169	55	27	58	172	55
≥60	2014	47	70	17	76	50	71
	2015	44	70	19	76	48	72
	2016	45	70	17	76	47	72
	2017	43	70	17	76	46	72
	2018	44	71	17	76	47	72

**Notes:** Excludes vessels in the Annette Island commercial Pacific halibut fishery. “-” indicates no applicable data or value.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.



Table H9: Total vessel days fishing Pacific halibut commercially off Alaska by area, 2014-2018.

Year	Gulf Of Alaska	Bering Sea And Aleutian Islands	All Alaska
2014	12,842	2,894	15,520
2015	12,549	2,744	15,059
2016	12,748	2,800	15,343
2017	13,390	2,797	15,793
2018	12,997	2,666	15,326

**Notes:** Excludes vessels in the Annette Island commercial Pacific halibut fishery.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table H10: Crew days fishing Pacific halibut commercially off Alaska by month and area, 2014-2018.

	Year	Mar- Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Gulf of Alaska	2014	9,918	9,426	5,754	3,601	6,301	5,476	4,179	499
	2015	9,274	10,725	4,904	3,028	5,018	6,386	4,433	733
	2016	10,297	10,087	4,964	3,566	5,887	5,078	3,358	627
	2017	10,399	9,558	5,886	3,704	5,677	6,574	4,923	793
	2018	8,758	8,440	5,843	4,093	6,327	6,868	4,878	1,112
Bering Sea and Aleutian Islands	2014	242	1,480	1,611	3,397	2,412	1,373	653	121
	2015	416	1,533	2,111	2,206	2,474	1,536	1,185	133
	2016	529	1,525	2,100	2,121	2,686	1,578	809	100
	2017	346	1,384	2,091	1,891	2,857	1,540	1,104	192
	2018	455	1,301	1,456	2,044	3,000	1,766	700	123
All Alaska	2014	10,160	10,670	7,224	6,904	8,497	6,775	4,754	620
	2015	9,618	12,126	6,894	5,139	7,252	7,787	5,459	866
	2016	10,729	11,373	6,845	5,642	8,417	6,584	4,098	695
	2017	10,672	10,775	7,851	5,455	7,996	7,824	5,718	985
	2018	9,121	9,514	7,135	6,024	8,899	8,419	5,551	1,185

**Notes:** Excludes vessels in the Annette Island commercial Pacific halibut fishery because crew size is not reported for this fishery. Minimal fishing occurs in March to ensure confidentiality it is combined with April.

**Source:** ADF&G fish tickets; CFEC gross earnings (fish tickets) file. Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

## 4. ECONOMIC PERFORMANCE INDICES FOR THE NORTH PACIFIC GROUND FISH FISHERIES

### 4.1. Introduction

Fisheries markets are complex. A multitude of factors influence demand, supply, price, catch composition, product types produced and other market activity. Indices are a common method used by agencies to synthesize market information in a digestible format. Indices establish a baseline that helps characterize trends in the market for values, prices and quantities of fisheries goods. Market indices have many uses. From a management perspective indices can both retrospectively characterize changes in the market that may be related to policy decisions (such as a change in TAC), or allow managers to evaluate current market conditions in the context of future policy change. Indices may also be useful to market participants when making business decisions.

This section of the Economic Status of the Groundfish Fisheries off Alaska attempts to distill the numerous factors that affect the North Pacific groundfish markets into a simple set of indices that can be used to track performance. Indices of value, price and quantity are presented for the Bering Sea and Aleutian Island (BSAI) at-sea, the BSAI shoreside, and the Gulf of Alaska (GOA). For the BSAI at-sea sector, index analysis will focus on the wholesale market; for the BSAI shoreside and GOA sectors, index analysis will consider the wholesale and ex-vessel markets. To help understand and evaluate the indices, we plot the value share stratified by species and product type for wholesale markets, and by species and gear type for the ex-vessel markets. Value share is the proportion of total value from each of the stratified components, such as the proportion of total value that comes from pollock. Additionally, bar graphs provide detail on the division of production among species, product types and gear types. Specifically, for the wholesale market, these graphs show the composition of species within product types and the composition of product type for a given species, and in the ex-vessel market, they show composition of species harvested by a given gear type and the composition of gear types used to harvest a species.

Aggregate indices, by their very nature, cumulate over the many species, products types, and gear types in a sector. The values, prices, and quantities from individual components of these factors (e.g., individual species) may contribute to the movements of the aggregate indices in very different ways. The myriad of market influences make it difficult to disentangle the relative importance of different species or products when monitoring aggregate performance, a problem that can be approached by using a value-share decomposition to examine the influence of these different components on the aggregate index. Decomposition relates the indices for each of the components of a single factor to the aggregate through its value share. For example, consider an aggregate price index for a sector. The aggregate price index is a function of the prices of all the species sold (e.g., pollock, Pacific cod, sablefish). Here, species type is the factor and the component indices of this factor are the price indices for all the species (e.g., pollock price index, Pacific cod price index). The importance of each individual species price index is determined by the proportion of total value in the sector for the species. By decomposing the aggregate index in this way, one can see how each of the species price indices influence the movement in the aggregate price index. Similar value-share decompositions are also constructed for product types in the wholesale market, and for gear types in the ex-vessel market.

The primary tools we will use to analyze market performance are Figures 4.2-4.11. The index figures in Figures 4.2-4.11 are designed to help the reader visualize changes in the indices and relate the changes to shifts in aggregate value, prices, and quantities. All indices use 2015 as the base year for the index. All calculations and statistics are made using nominal U.S. dollars (i.e., not adjusted for inflation).<sup>1</sup> Aggregate indices are located in the upper-left panel and the value share decomposition of the aggregate index is below in the lower-left panels of the figures. Changes in the indices have been color coded to indicate the relevance in determining aggregate index movements. The relevance of a change in the price index in year  $t$  is calculated by  $(year - on - year \text{ growth rate}) * (share \text{ weight}) = (I_t/I_{t-1} - 1) * \tilde{w}(t)$  where  $I_t$  is the level of the index and  $\tilde{w}(t) = \frac{p_t * q_t}{\sum_i p_t * q_t}$  is the year  $t$  value share and  $i$  enumerates species, products, or gear types depending on the index. When the value  $(year - on - year \text{ growth rate}) * (share \text{ weight})$  is roughly zero, indicating little to no change or influence on the aggregate index, it is colored blue. When this value is less than -0.1, the index is colored red to indicate that it has had a significant negative impact on the aggregate index. When this value is greater than 0.1, the index is colored green, indicating a significant positive impact on the aggregate index. Shades in between these colors indicate intermediate impacts. The indices can take on these “significant colors” if the percentage change is large and/or the value share is large. The value share plot in the upper-right corner of each figure helps to discern the difference. For each sector and market, two decompositions are presented. The wholesale market is decomposed by species and product type, and the ex-vessel market is decomposed by species and gear type. To help relate the different decompositions, bar graphs in the lower-right panel of each figure show the composition of one factor (e.g., product type) for each relevant category of the other factor (e.g., species) as measured by production. The height of the bars shows the annual output in that market. Only the components of a factor with a value share greater than 1% have been plotted, although all prices and quantities were used in the construction of the aggregate index. Ex-vessel indices are constructed using catch that is counted against a federal total allowable catch (TAC). Hereafter, “wholesale value” and “ex-vessel value” refer to the revenue from production at the first wholesale level or from sales of catch on the ex-vessel market, respectively. Walleye pollock will often be referred to simply as “pollock”; similarly, Pacific cod will often be referred to as “cod”. The “other” product type contains all products that are not fillets, H&G, surimi, meal and oil, or roe. In particular, the “other” product type include whole fish and minced fish.

Understanding the indices and their construction facilitates accurate interpretation. To properly interpret the indices, the reader must realize that the indices are merely descriptive and characterize the state of the market relative to other periods, and display the co-movement of different species, product types, or gear types both individually and in aggregate. The indices have no inherent causal interpretation. For example, it would be wrong to assert from these indices that a change in surimi prices “caused” a change in pollock price. Nor could we say the opposite. We can say that they are connected, as surimi is a significant portion of the value from pollock in some regions, but causality is beyond the scope of indices. Carefully designed regression analysis is better suited for addressing such causality questions. The indices are displayed graphically in Section 4.2 followed by tables with the index values.

#### 4.2. Economic Indices of the Groundfish Fisheries off Alaska

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<sup>1</sup>U.S. nominal dollars are used so price indices capture unadjusted changes in prices throughout time, allowing them to be used as deflator indices. For readers comparing these indices to other figures in the SAFE denominated in inflation adjusted terms, this adjustment should be kept in mind.

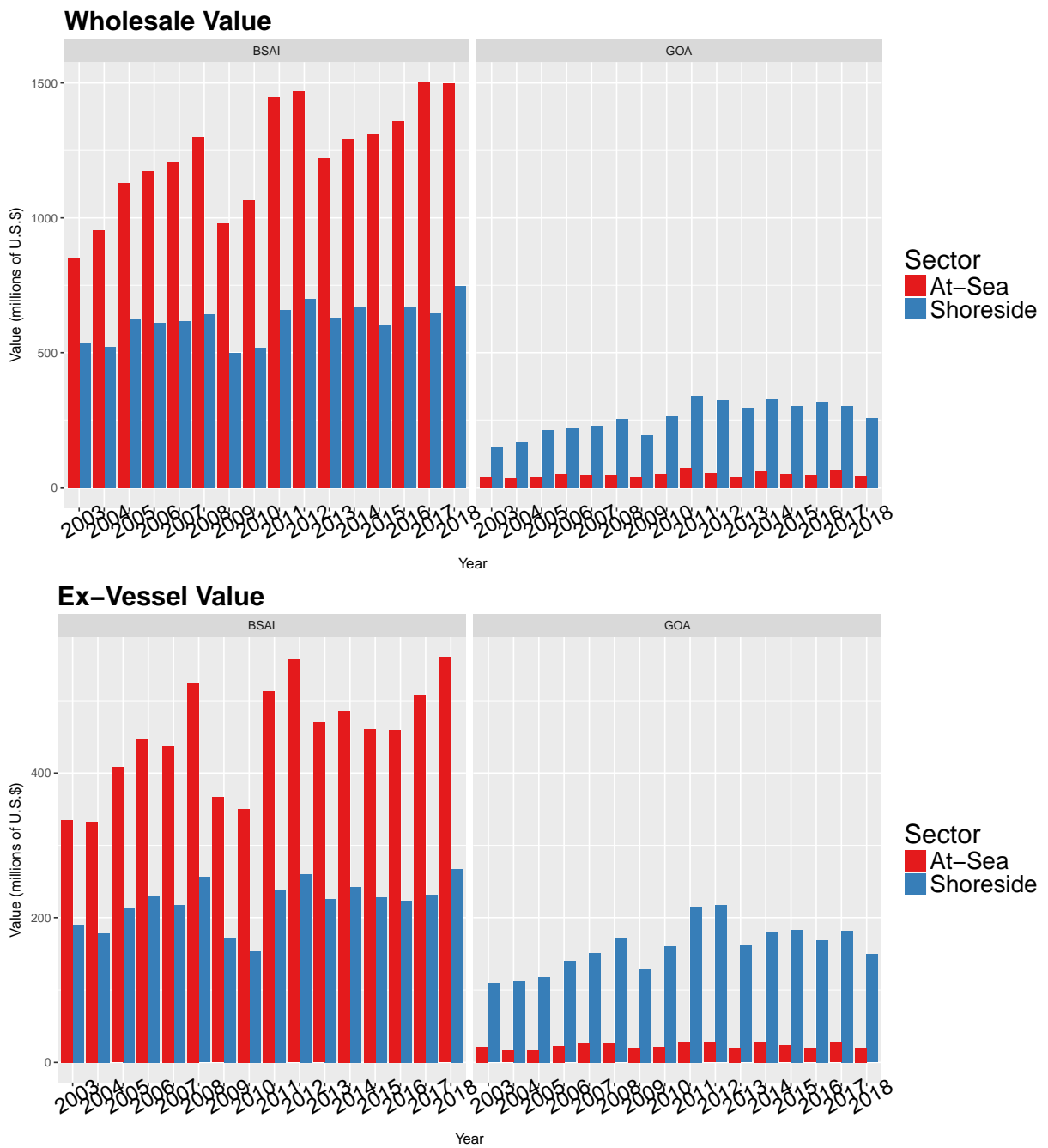


Figure 4.1: Wholesale and ex-vessel value by region and sector 2003-2018.

**Source:** NMFS Alaska Region’s Catch-accounting system (CAS) and Weekly Production Report (WPR) estimates; Alaska Department of Fish and Game (ADF&G) Commercial Operator’s Annual Report (COAR), National Marine Fisheries Service. P.O. Box 15700, Seattle, WA 98115-0070.

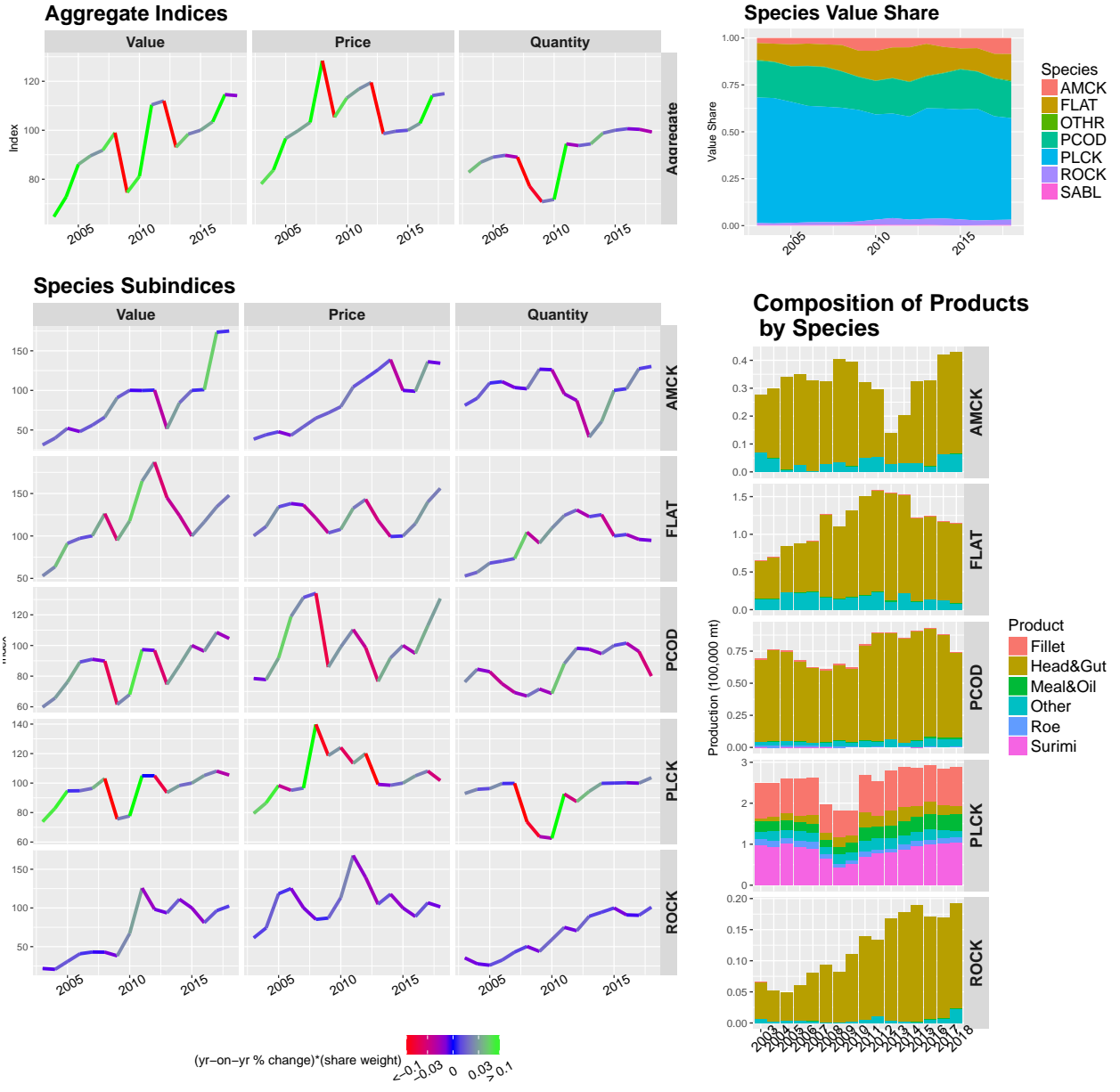


Figure 4.2: BSAI at-sea wholesale market: species decomposition 2003-2018 (Index 2015 = 100). **Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.1. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.

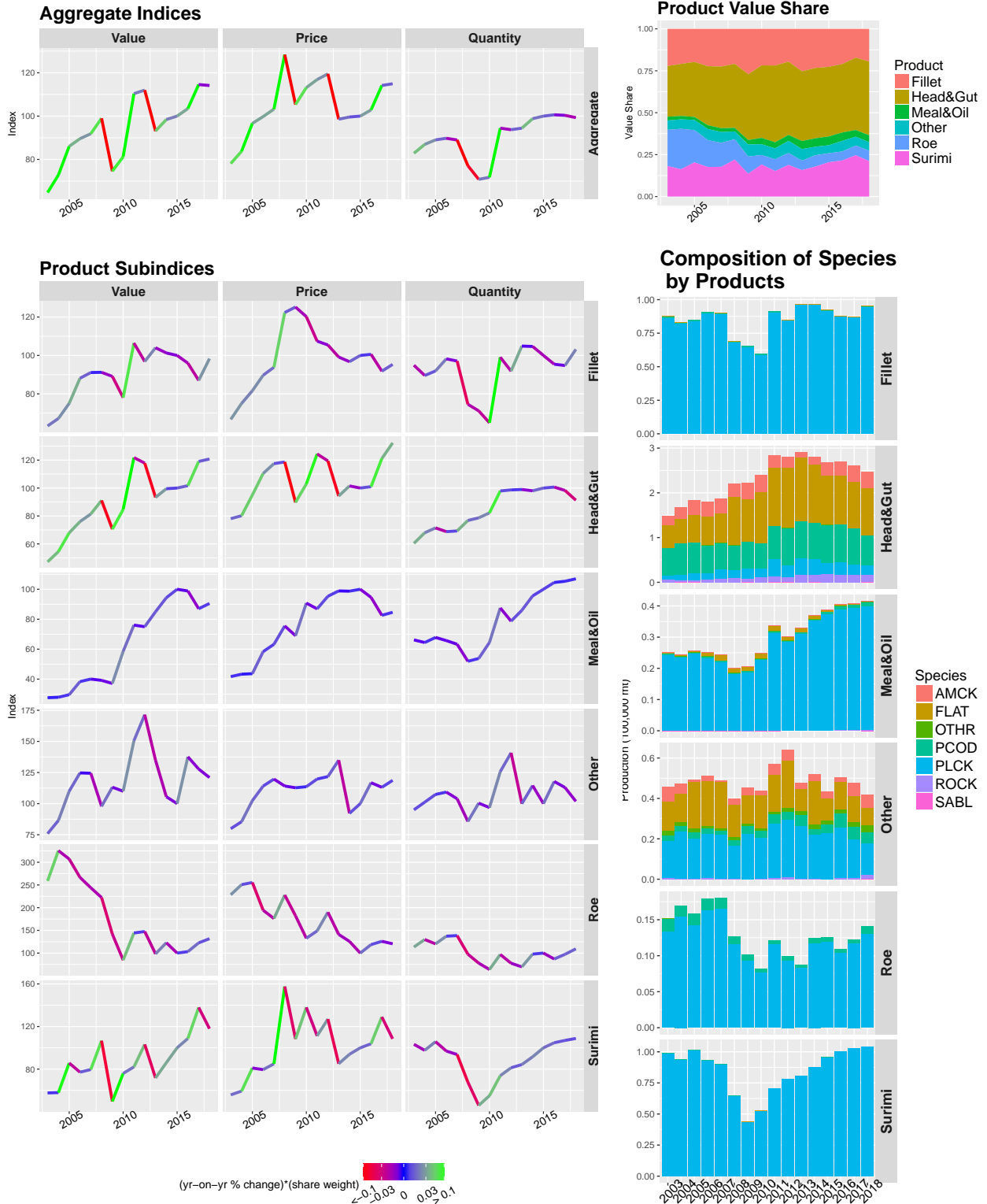


Figure 4.3: BSAI at-sea wholesale market: product decomposition 2003-2018 (Index 2015 = 100). **Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.2. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.



Figure 4.4: BSAI shoreside wholesale market: species decomposition 2003-2018 (Index 2015 = 100). **Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.3. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.



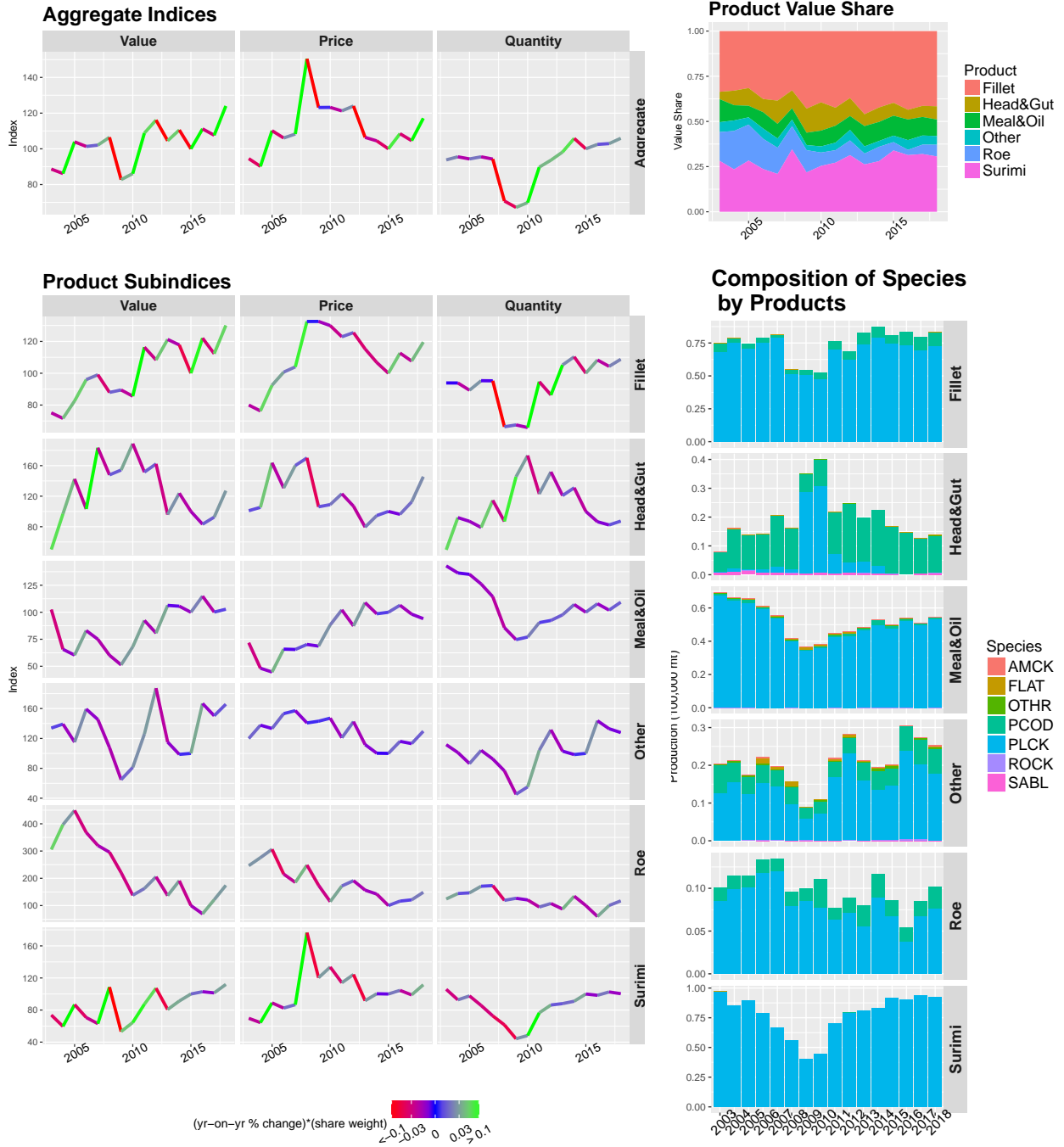


Figure 4.5: BSAI shoreside wholesale market: product decomposition 2003-2018 (Index 2015 = 100). **Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.4. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.



Figure 4.6: BSAI shoreside ex-vessel market: species decomposition 2003-2018 (Index 2015 = 100). **Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.5. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.

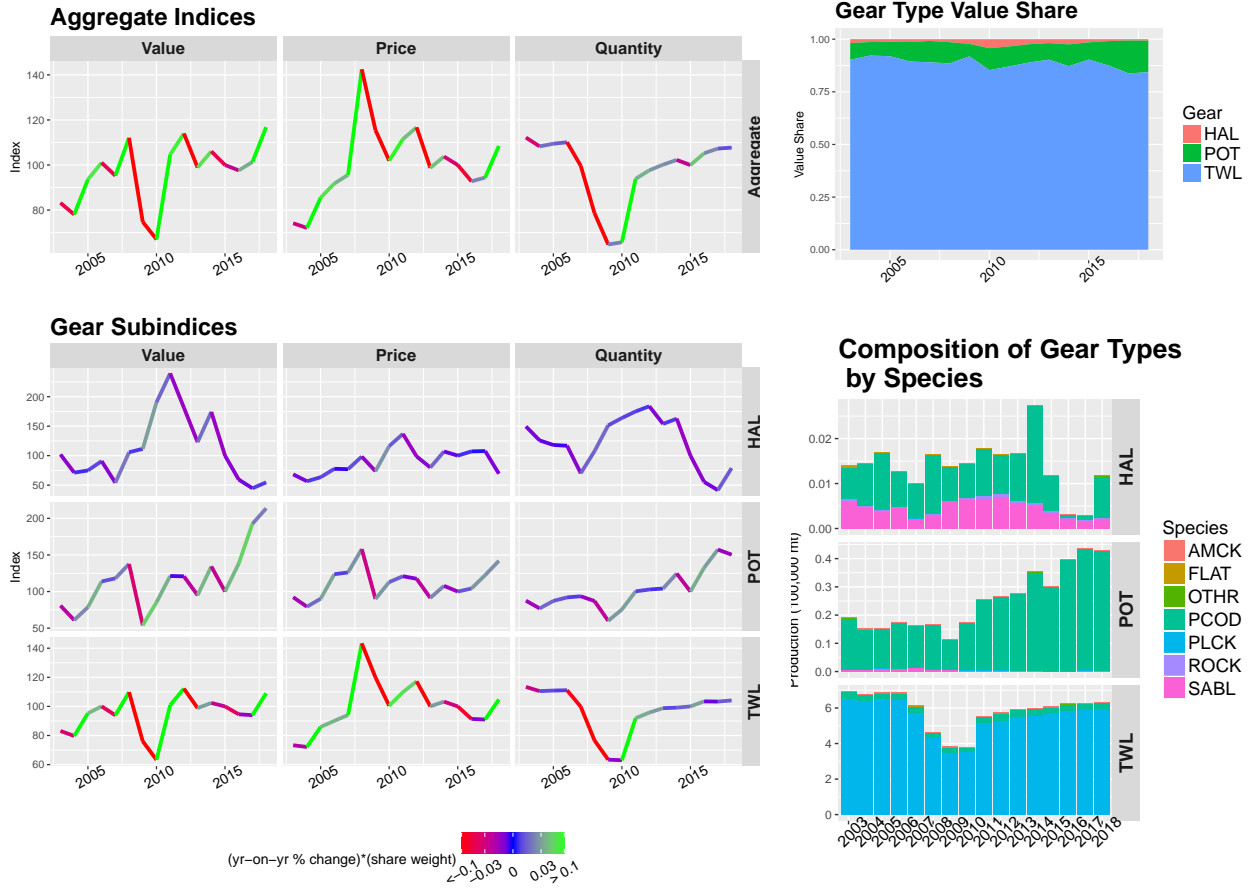


Figure 4.7: BSAI shoreside ex-vessel market: gear decomposition 2003-2018 (Index 2015 = 100). **Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.6. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.

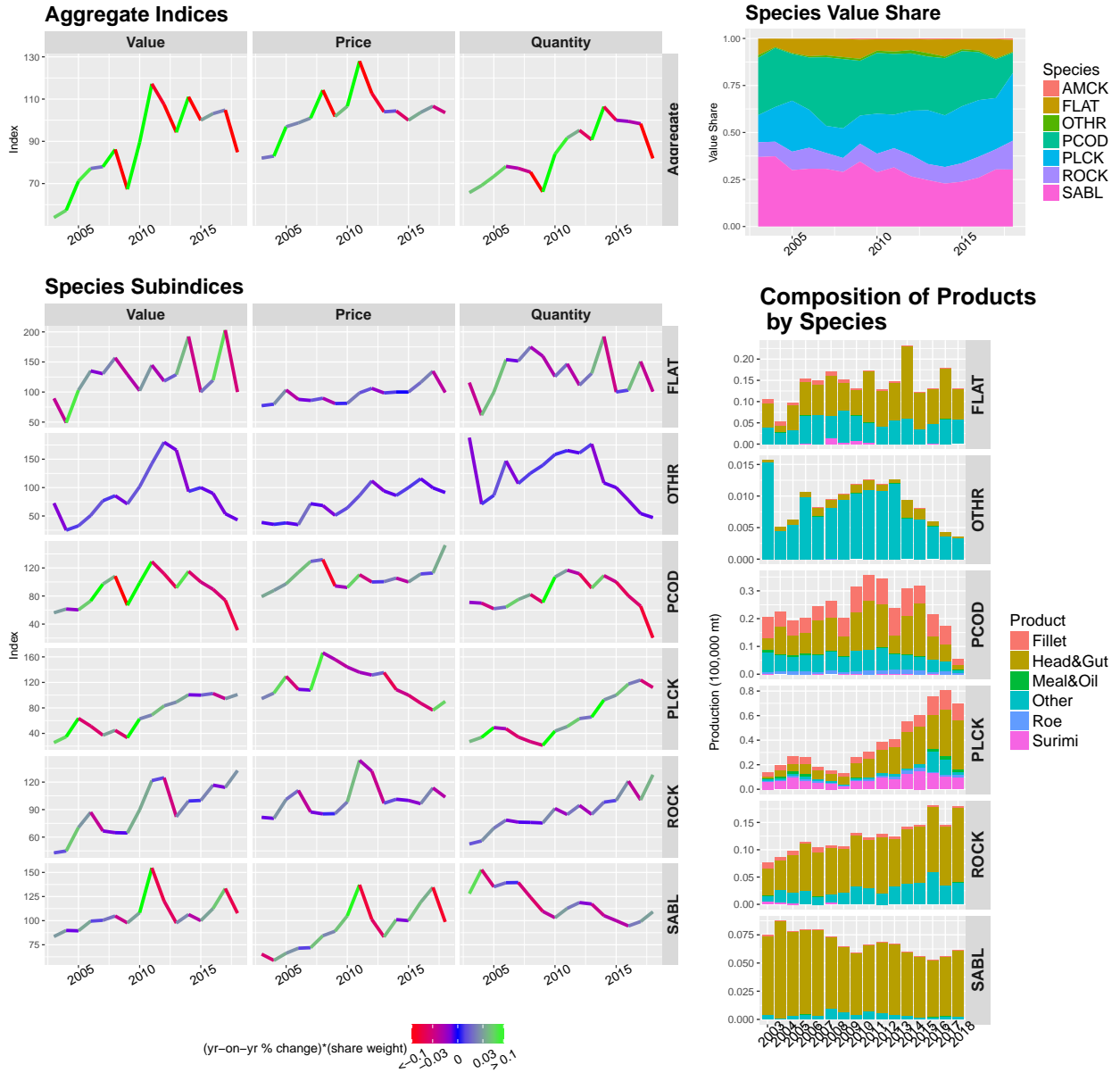


Figure 4.8: GOA wholesale market: species decomposition 2003-2018 (Index 2015 = 100).  
**Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.7. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.

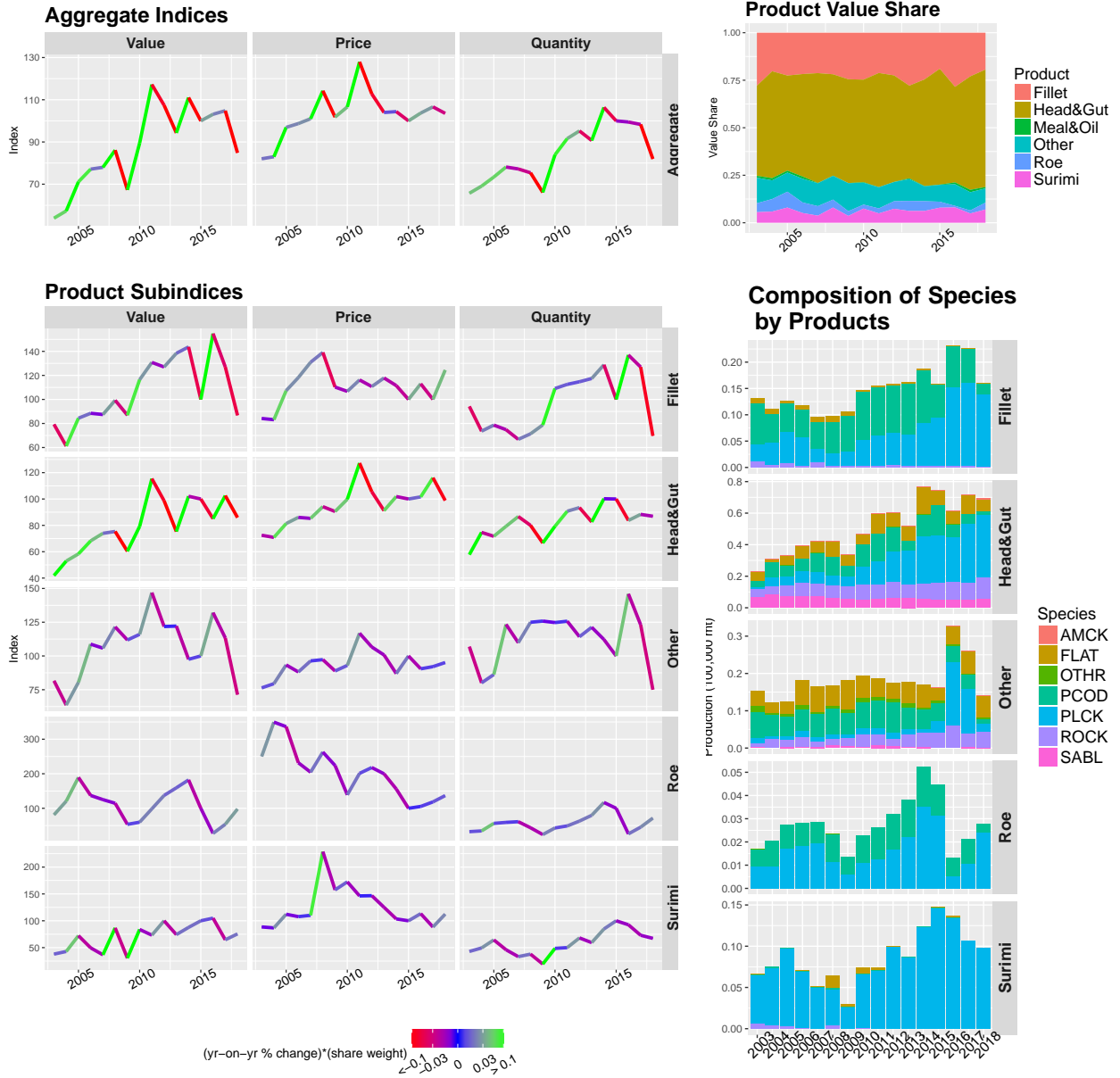


Figure 4.9: GOA wholesale market: product decomposition 2003-2018 (Index 2015 = 100).  
**Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.8. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.

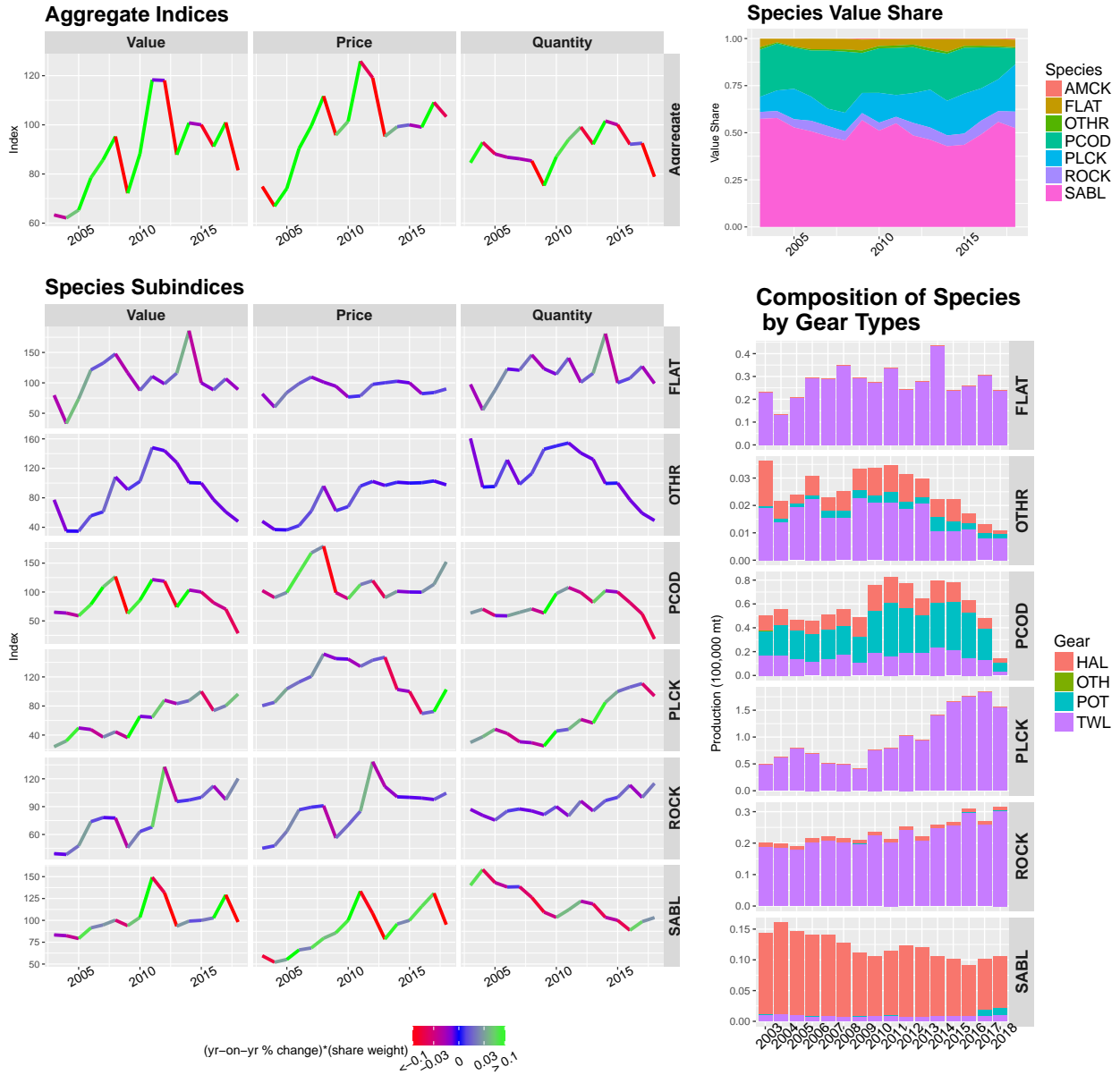


Figure 4.10: GOA ex-vessel market: species decomposition 2003-2018 (Index 2015 = 100).  
**Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.9. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.



Figure 4.11: GOA ex-vessel market: gear decomposition 2003-2018 (Index 2015 = 100).  
**Notes:** Index values for 2013-2018, notes and source information for the indices are on Table 4.10. Index coloring indicates its influence on aggregate index movements, see Section 4.1 for details.

Table 4.1: Species Indices and Value Share for the BSAI At-Sea First-Wholesale Market 2013-2018.

Species	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	93.10	98.43	100.00	103.49	114.57	114.13
Aggregate	Price	98.59	99.59	100.00	102.86	114.15	114.93
Aggregate	Quantity	94.44	98.83	100.00	100.62	100.36	99.31
AMCK	Value	51.64	84.27	100.00	100.97	173.52	174.97
AMCK	Price	126.10	138.81	100.00	98.87	136.24	134.33
AMCK	Quantity	40.95	60.71	100.00	102.12	127.36	130.26
AMCK	Value Share	0.03	0.05	0.06	0.05	0.08	0.09
FLAT	Value	145.17	124.12	100.00	116.51	134.38	147.91
FLAT	Price	118.30	99.26	100.00	114.58	140.07	156.06
FLAT	Quantity	122.72	125.05	100.00	101.69	95.94	94.78
FLAT	Value Share	0.17	0.14	0.11	0.12	0.13	0.14
PCOD	Value	74.69	86.99	100.00	96.25	108.53	104.56
PCOD	Price	76.57	91.91	100.00	94.80	112.97	130.61
PCOD	Quantity	97.54	94.65	100.00	101.53	96.07	80.06
PCOD	Value Share	0.17	0.19	0.21	0.20	0.20	0.20
PLCK	Value	93.54	98.35	100.00	105.15	108.08	105.45
PLCK	Price	99.10	98.54	100.00	104.93	108.15	101.73
PLCK	Quantity	94.38	99.80	100.00	100.21	99.94	103.65
PLCK	Value Share	0.59	0.59	0.59	0.60	0.55	0.54
ROCK	Value	93.60	111.28	100.00	80.94	96.51	102.43
ROCK	Price	104.91	117.81	100.00	88.93	106.67	101.44
ROCK	Quantity	89.22	94.46	100.00	91.01	90.48	100.98
ROCK	Value Share	0.03	0.04	0.03	0.03	0.03	0.03

**Notes:** Species with a value share less than 1% were not included in this table. All groundfish species were used to calculate aggregate indices and value share. The Fisher index method was used to construct the indices. Further details can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.



Table 4.2: Product Indices and Value Share for the BSAI At-Sea First-Wholesale Market 2013-2018.

Product	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	93.10	98.43	100.00	103.49	114.57	114.13
Aggregate	Price	98.59	99.59	100.00	102.86	114.15	114.93
Aggregate	Quantity	94.44	98.83	100.00	100.62	100.36	99.31
Fillet	Value	104.01	101.29	100.00	95.98	87.01	98.32
Fillet	Price	99.16	96.76	100.00	100.57	91.82	95.32
Fillet	Quantity	104.88	104.68	100.00	95.43	94.77	103.15
Fillet	Value Share	0.25	0.23	0.23	0.21	0.17	0.20
Head&Gut	Value	93.29	99.52	100.00	101.71	119.03	120.79
Head&Gut	Price	94.26	101.51	100.00	101.01	121.12	132.31
Head&Gut	Quantity	98.97	98.04	100.00	100.69	98.28	91.30
Head&Gut	Value Share	0.42	0.42	0.41	0.41	0.43	0.44
Meal&Oil	Value	84.98	94.33	100.00	98.85	87.00	90.50
Meal&Oil	Price	98.89	98.72	100.00	94.57	82.60	84.61
Meal&Oil	Quantity	85.94	95.56	100.00	104.52	105.33	106.96
Meal&Oil	Value Share	0.05	0.05	0.05	0.05	0.04	0.04
Other	Value	134.88	105.56	100.00	137.63	127.77	120.95
Other	Price	134.91	92.17	100.00	116.83	113.12	118.71
Other	Quantity	99.97	114.52	100.00	117.80	112.96	101.89
Other	Value Share	0.07	0.05	0.05	0.06	0.05	0.05
Roe	Value	98.24	122.88	100.00	103.20	122.50	131.65
Roe	Price	141.09	125.71	100.00	118.69	125.89	120.50
Roe	Quantity	69.63	97.75	100.00	86.95	97.31	109.25
Roe	Value Share	0.06	0.07	0.05	0.05	0.06	0.06
Surimi	Value	71.67	86.00	100.00	108.76	137.90	117.98
Surimi	Price	85.02	93.93	100.00	103.81	128.95	108.45
Surimi	Quantity	84.30	91.56	100.00	104.77	106.94	108.78
Surimi	Value Share	0.16	0.18	0.20	0.22	0.25	0.21

**Notes:** Products types 'Minced', 'Other' and those with a value share less than 1% were not included in this table. All product types were used to construct aggregate indices and value share. The Fisher index method was used to construct the indices. Further details can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 4.3: Species Indices and Value Share for the BSAI Shoreside First-Wholesale Market 2013-2018.

Species	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	104.52	110.56	100.00	111.17	107.63	123.99
Aggregate	Price	106.41	104.47	100.00	108.48	104.58	117.09
Aggregate	Quantity	98.22	105.84	100.00	102.48	102.92	105.89
PCOD	Value	110.87	127.87	100.00	139.47	153.64	197.17
PCOD	Price	93.42	98.24	100.00	108.96	124.23	152.89
PCOD	Quantity	118.69	130.16	100.00	128.00	123.67	128.96
PCOD	Value Share	0.15	0.16	0.14	0.18	0.20	0.23
PLCK	Value	103.16	107.67	100.00	107.22	100.15	112.13
PLCK	Price	109.46	105.92	100.00	108.37	100.44	110.11
PLCK	Quantity	94.24	101.65	100.00	98.94	99.71	101.84
PLCK	Value Share	0.83	0.82	0.84	0.81	0.78	0.76
SABL	Value	159.43	128.22	100.00	79.25	119.21	87.54
SABL	Price	85.14	90.22	100.00	106.94	98.66	75.94
SABL	Quantity	187.26	142.12	100.00	74.10	120.83	115.27
SABL	Value Share	0.02	0.01	0.01	0.01	0.01	0.01

**Notes:** Species with a value share less than 1% were not included in this table. All groundfish species were used to calculate aggregate indices and value share. The Fisher index method was used to construct the indices. Further details can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 4.4: Product Indices and Value Share for the BSAI Shoreside First-Wholesale Market 2013-2018.

Product	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	104.52	110.56	100.00	111.17	107.63	123.99
Aggregate	Price	106.41	104.47	100.00	108.48	104.58	117.09
Aggregate	Quantity	98.22	105.84	100.00	102.48	102.92	105.89
Fillet	Value	121.26	117.79	100.00	122.08	112.28	130.03
Fillet	Price	115.26	106.77	100.00	112.68	107.64	119.56
Fillet	Quantity	105.20	110.32	100.00	108.34	104.31	108.76
Fillet	Value Share	0.46	0.42	0.40	0.44	0.41	0.42
Head&Gut	Value	96.01	123.92	100.00	83.27	92.55	127.07
Head&Gut	Price	79.48	94.60	100.00	96.28	112.46	145.48
Head&Gut	Quantity	120.79	131.00	100.00	86.49	82.30	87.34
Head&Gut	Value Share	0.07	0.08	0.07	0.05	0.06	0.07
Meal&Oil	Value	106.34	105.61	100.00	114.89	100.16	102.81
Meal&Oil	Price	108.92	98.55	100.00	106.50	98.23	94.07
Meal&Oil	Quantity	97.63	107.17	100.00	107.88	101.97	109.29
Meal&Oil	Value Share	0.11	0.11	0.11	0.11	0.10	0.09
Other	Value	115.12	98.65	100.00	166.75	150.34	165.73
Other	Price	111.78	100.23	100.00	116.08	113.06	129.61
Other	Quantity	102.99	98.42	100.00	143.65	132.97	127.87
Other	Value Share	0.04	0.03	0.04	0.05	0.05	0.05
Roe	Value	136.49	190.98	100.00	69.56	121.34	173.98
Roe	Price	156.55	142.12	100.00	116.30	120.98	148.60
Roe	Quantity	87.18	134.38	100.00	59.81	100.30	117.08
Roe	Value Share	0.06	0.08	0.05	0.03	0.05	0.06
Surimi	Value	80.67	91.25	100.00	102.83	101.39	111.93
Surimi	Price	91.64	100.30	100.00	104.52	98.88	111.49
Surimi	Quantity	88.02	90.98	100.00	98.38	102.54	100.40
Surimi	Value Share	0.26	0.28	0.34	0.31	0.32	0.31

**Notes:** Products types 'Minced', 'Other' and those with a value share less than 1% were not included in this table. All product types were used to construct aggregate indices and value share. The Fisher index method was used to construct the indices. Further details can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 4.5: Species Indices and Value Share for the BSAI Shoreside Ex-Vessel Market 2013-2018.

Species	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	98.89	106.07	100.00	97.61	101.34	116.80
Aggregate	Price	98.73	103.75	100.00	92.77	94.44	108.44
Aggregate	Quantity	100.17	102.24	100.00	105.22	107.30	107.70
PCOD	Value	107.69	131.09	100.00	130.16	156.52	189.29
PCOD	Price	97.92	109.69	100.00	104.84	124.65	156.69
PCOD	Quantity	109.97	119.51	100.00	124.15	125.57	120.80
PCOD	Value Share	0.16	0.18	0.15	0.20	0.23	0.24
PLCK	Value	96.21	99.72	100.00	92.14	90.51	104.16
PLCK	Price	99.88	102.33	100.00	90.01	87.69	99.65
PLCK	Quantity	96.32	97.46	100.00	102.37	103.21	104.52
PLCK	Value Share	0.81	0.78	0.83	0.78	0.74	0.74
SABL	Value	161.66	189.74	100.00	90.71	149.43	78.99
SABL	Price	76.29	107.56	100.00	107.76	106.94	58.26
SABL	Quantity	211.89	176.41	100.00	84.18	139.73	135.59
SABL	Value Share	0.03	0.03	0.02	0.02	0.03	0.01

**Notes:** Species with a value share less than 1% were not included in this table. All groundfish species were used to calculate aggregate indices and value share. The Fisher index method was used to construct the indices. Further details can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

**Source:** NMFS Alaska Region Blend and Catch-accounting System estimates; NMFS Alaska Region At-sea and Shoreside Production Reports; and ADF&G Commercial Operators Annual Reports (COAR). Data compiled and provided by the Alaska Fisheries Information Network (AKFIN). National Marine Fisheries Service, P.O. Box 15700, Seattle, WA 98115-0070.

Table 4.6: Gear Indices and Value Share for the BSAI Shoreside Ex-Vessel Market 2013-2018.

Gear	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	98.89	106.07	100.00	97.61	101.34	116.80
Aggregate	Price	98.73	103.75	100.00	92.77	94.44	108.44
Aggregate	Quantity	100.17	102.24	100.00	105.22	107.30	107.70
HAL	Value	122.97	174.21	100.00	59.46	44.64	54.73
HAL	Price	79.92	107.12	100.00	107.20	107.82	69.43
HAL	Quantity	153.88	162.63	100.00	55.46	41.40	78.83
HAL	Value Share	0.02	0.02	0.02	0.01	0.01	0.01
POT	Value	95.04	134.34	100.00	138.18	192.58	213.59
POT	Price	91.28	107.81	100.00	104.18	122.41	141.98
POT	Quantity	104.12	124.61	100.00	132.64	157.33	150.44
POT	Value Share	0.08	0.10	0.08	0.12	0.16	0.15
TWL	Value	98.84	102.37	100.00	94.56	94.00	109.05
TWL	Price	100.04	103.26	100.00	91.40	90.98	104.75
TWL	Quantity	98.80	99.13	100.00	103.46	103.32	104.10
TWL	Value Share	0.90	0.87	0.90	0.87	0.84	0.84

**Notes:** The Fisher index method was used to construct the indices. Further details on index construction and gear decomposition can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

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Table 4.7: Species Indices and Value Share for the GOA First-Wholesale Market 2013-2018.

Species	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	94.30	111.04	100.00	103.12	104.81	84.86
Aggregate	Price	103.97	104.38	100.00	103.70	106.62	103.55
Aggregate	Quantity	90.70	106.38	100.00	99.45	98.30	81.95
FLAT	Value	129.11	192.36	100.00	119.66	202.94	100.04
FLAT	Price	98.47	100.00	100.00	115.98	134.64	99.31
FLAT	Quantity	131.11	192.36	100.00	103.18	150.74	100.74
FLAT	Value Share	0.07	0.09	0.05	0.06	0.10	0.06
OTHR	Value	166.03	93.19	100.00	89.69	53.99	43.10
OTHR	Price	94.05	86.14	100.00	115.55	99.53	91.28
OTHR	Quantity	176.54	108.18	100.00	77.62	54.25	47.22
OTHR	Value Share	0.02	0.01	0.01	0.01	0.01	0.01
PCOD	Value	91.73	115.14	100.00	89.53	73.82	31.29
PCOD	Price	100.44	105.52	100.00	111.43	112.77	152.37
PCOD	Quantity	91.33	109.11	100.00	80.35	65.46	20.53
PCOD	Value Share	0.29	0.30	0.29	0.25	0.21	0.11
PLCK	Value	89.08	100.55	100.00	102.54	94.43	100.96
PLCK	Price	135.37	108.74	100.00	87.32	76.34	90.13
PLCK	Quantity	65.80	92.47	100.00	117.43	123.70	112.01
PLCK	Value Share	0.29	0.27	0.30	0.30	0.27	0.36
ROCK	Value	82.18	99.39	100.00	116.71	114.24	132.57
ROCK	Price	96.92	101.30	100.00	96.46	113.60	103.63
ROCK	Quantity	84.79	98.11	100.00	120.98	100.56	127.93
ROCK	Value Share	0.09	0.09	0.10	0.11	0.11	0.15
SABL	Value	97.53	106.39	100.00	112.59	133.27	107.75
SABL	Price	83.20	101.08	100.00	119.15	134.50	98.72
SABL	Quantity	117.23	105.26	100.00	94.49	99.08	109.16
SABL	Value Share	0.25	0.23	0.24	0.26	0.30	0.30

**Notes:** Species with a value share less than 1% were not included in this table. All groundfish species were used to calculate aggregate indices and value share. The Fisher index method was used to construct the indices. Further details can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

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Table 4.8: Product Indices and Value Share for the GOA First-Wholesale Market 2013-2018.

Product	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	94.30	111.04	100.00	103.12	104.81	84.86
Aggregate	Price	103.97	104.38	100.00	103.70	106.62	103.55
Aggregate	Quantity	90.70	106.38	100.00	99.45	98.30	81.95
Fillet	Value	138.39	143.69	100.00	154.77	127.01	86.74
Fillet	Price	117.86	111.54	100.00	113.02	100.05	124.45
Fillet	Quantity	117.41	128.83	100.00	136.95	126.95	69.70
Fillet	Value Share	0.28	0.25	0.19	0.28	0.23	0.19
Head&Gut	Value	75.31	102.08	100.00	85.09	102.54	85.92
Head&Gut	Price	91.17	101.87	100.00	101.62	116.09	98.86
Head&Gut	Quantity	82.61	100.20	100.00	83.74	88.33	86.91
Head&Gut	Value Share	0.49	0.56	0.61	0.50	0.60	0.62
Other	Value	122.13	97.53	100.00	132.05	113.36	71.34
Other	Price	100.72	86.94	100.00	90.47	92.09	95.12
Other	Quantity	121.25	112.18	100.00	145.95	123.10	75.00
Other	Value Share	0.12	0.08	0.09	0.11	0.10	0.07
Roe	Value	159.26	182.23	100.00	27.29	53.71	97.90
Roe	Price	199.85	155.85	100.00	105.29	118.52	136.73
Roe	Quantity	79.69	116.93	100.00	25.92	45.32	71.60
Roe	Value Share	0.05	0.05	0.03	0.01	0.02	0.04
Surimi	Value	74.26	87.70	100.00	104.88	64.59	75.58
Surimi	Price	125.09	103.49	100.00	113.28	88.41	112.38
Surimi	Quantity	59.36	84.74	100.00	92.58	73.07	67.26
Surimi	Value Share	0.06	0.06	0.08	0.08	0.05	0.07

**Notes:** Products types 'Minced' and those with a value share less than 1% were not included in this table. All product types were used to construct aggregate indices and value share. The Fisher index method was used to construct the indices. Further details can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

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Table 4.9: Species Indices and Value Share for the GOA Ex-Vessel Market 2013-2018.

Species	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	87.83	100.79	100.00	91.21	100.97	81.53
Aggregate	Price	95.32	99.24	100.00	99.06	109.12	103.33
Aggregate	Quantity	92.15	101.56	100.00	92.08	92.53	78.90
FLAT	Value	115.96	185.71	100.00	88.46	106.72	89.14
FLAT	Price	100.16	102.64	100.00	82.20	84.03	89.95
FLAT	Quantity	115.78	180.93	100.00	107.62	127.00	99.10
FLAT	Value Share	0.05	0.07	0.04	0.03	0.04	0.04
OTHR	Value	127.78	100.58	100.00	77.59	60.81	48.03
OTHR	Price	96.75	101.12	100.00	100.44	102.87	97.61
OTHR	Quantity	132.06	99.47	100.00	77.25	59.11	49.20
OTHR	Value Share	0.02	0.01	0.01	0.01	0.01	0.01
PCOD	Value	74.04	103.50	100.00	81.48	70.24	28.59
PCOD	Price	90.26	101.26	100.00	99.75	113.39	152.18
PCOD	Quantity	82.04	102.21	100.00	81.69	61.95	18.79
PCOD	Value Share	0.21	0.25	0.24	0.22	0.17	0.09
PLCK	Value	83.19	87.29	100.00	73.62	80.39	96.35
PLCK	Price	147.08	102.72	100.00	69.51	72.51	102.64
PLCK	Quantity	56.56	84.97	100.00	105.91	110.87	93.87
PLCK	Value Share	0.20	0.18	0.21	0.17	0.17	0.25
ROCK	Value	95.40	97.07	100.00	112.30	97.57	120.25
ROCK	Price	111.71	100.56	100.00	99.24	97.67	104.51
ROCK	Quantity	85.40	96.53	100.00	113.16	99.90	115.05
ROCK	Value Share	0.06	0.06	0.06	0.07	0.06	0.09
SABL	Value	93.29	99.12	100.00	102.80	129.10	98.11
SABL	Price	78.56	95.79	100.00	115.93	130.98	95.15
SABL	Quantity	118.74	103.48	100.00	88.67	98.56	103.12
SABL	Value Share	0.46	0.43	0.44	0.49	0.56	0.52

**Notes:** Species with a value share less than 1% were not included in this table. All groundfish species were used to calculate aggregate indices and value share. The Fisher index method was used to construct the indices. Further details can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

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Table 4.10: Gear Indices and Value Share for the GOA Ex-Vessel Market 2013-2018.

Gear	Index Type	2013	2014	2015	2016	2017	2018
Aggregate	Value	87.83	100.79	100.00	91.21	100.97	81.53
Aggregate	Price	95.32	99.24	100.00	99.06	109.12	103.33
Aggregate	Quantity	92.15	101.56	100.00	92.08	92.53	78.90
HAL	Value	92.96	100.60	100.00	97.51	108.19	80.93
HAL	Price	80.32	96.46	100.00	114.23	128.38	98.81
HAL	Quantity	115.73	104.30	100.00	85.36	84.27	81.91
HAL	Value Share	0.50	0.47	0.47	0.50	0.50	0.47
POT	Value	69.06	96.09	100.00	91.97	110.56	64.59
POT	Price	89.14	100.40	100.00	98.76	109.99	112.97
POT	Quantity	77.47	95.71	100.00	93.12	100.52	57.17
POT	Value Share	0.11	0.13	0.13	0.14	0.15	0.11
TWL	Value	88.09	102.60	100.00	83.45	89.08	88.01
TWL	Price	119.24	102.23	100.00	82.63	88.07	104.76
TWL	Quantity	73.88	100.36	100.00	100.99	101.15	84.00
TWL	Value Share	0.40	0.40	0.39	0.36	0.35	0.43

**Notes:** The Fisher index method was used to construct the indices. Further details on index construction and gear decomposition can be found in the text or by contacting [ben.fissel@noaa.gov](mailto:ben.fissel@noaa.gov).

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