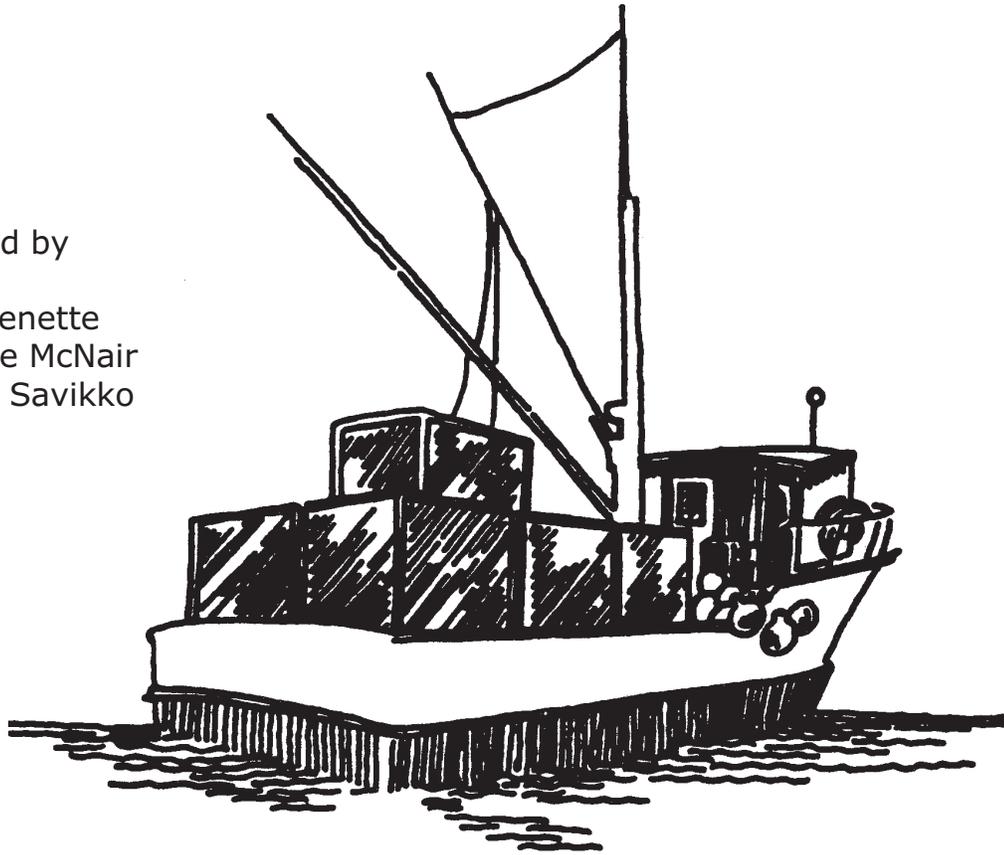


Catch and Production in Alaska's Commercial Fisheries

1995 Edition

Compiled by

Brian Frenette
Marianne McNair
Herman Savikko



Special Publication No. 11



Alaska Department of Fish and Game
Commercial Fisheries Management and Development Division
P.O. Box 25526
Juneau, Alaska 99802-5526

April 1997

Southeast

- SE/Yakutat

Central

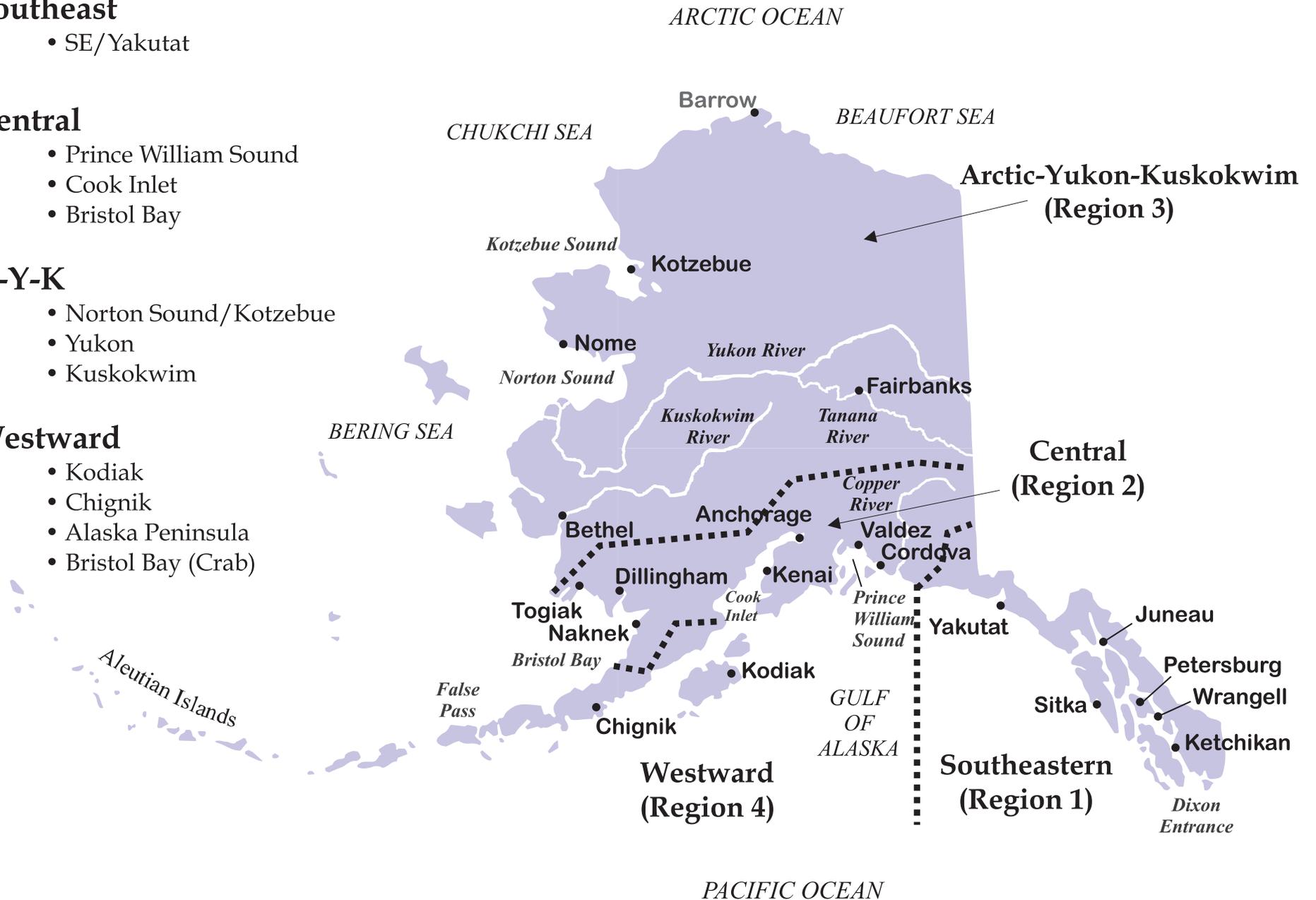
- Prince William Sound
- Cook Inlet
- Bristol Bay

A-Y-K

- Norton Sound/Kotzebue
- Yukon
- Kuskokwim

Westward

- Kodiak
- Chignik
- Alaska Peninsula
- Bristol Bay (Crab)



Note: We strongly recommend printing the pages with pie charts on a color printer. If printed in black and white, the slices may not be distinguishable.

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<http://www.state.ak.us/local/akpages/FISH.GAME/cfmd/cfmdhome.htm>

April 1997

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The Special Publications Series was established in 1989 for the publication of departmental symposium or workshop proceedings, strategic fishery management plans, manuals, and other atypical publications of the Commercial Fisheries Management and Development Division. In general, the series is intended for fishery professionals and technically oriented fishing industry representatives. Distribution will be to selected libraries and fishery-related agencies in the Pacific Northwest and interested departmental staff. Copies may also be requested from the Alaska Department of Fish and Game at the address on the title page. Because articles in this series may not have undergone full editorial processing and complete peer review and may be published elsewhere in the formal literature, they should not be cited without approval of the author or the division.

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Introduction

The Alaska Department of Fish and Game (ADF&G) is responsible for the conservation, management, development, enhancement, promotion, and protection of the state's fish and wildlife resources and their habitat by commercial, subsistence, personal use, and recreational users. The department's Commercial Fisheries Management and Development (CFMD) Division is charged with managing the state's commercial fisheries resources.

Alaska has 6,640 miles of coastline and, including islands, 33,904 miles of shoreline. The Yukon River, almost 2,000 miles long, is the third longest river in the United States. There are more than 3,000 rivers in Alaska and over 3 million lakes. The largest, Lake Iliamna, encompasses over 1,000 square miles. Along with these pristine environmental conditions and a close eye on habitat interactions, the waters of Alaska are some of the most productive on earth. Were Alaska an independent country, it would rank among the top 10 seafood producers in the world, ahead of Canada, Norway, Iceland, and other well-recognized seafood nations. Alaska remains the largest exporter of fish in the United States, accounting for over half of all seafood exports. The seafood industry remains extremely important to Alaska's economy. It is Alaska's largest private sector employer; approximately one-fifth of Alaska employment is either directly or indirectly attributed to the seafood industry. In fact, revenues generated by Alaska's seafood industry nearly exceed the entire state operating budget.

This publication contains catch and production information on Alaska's commercial fisheries for 1995. Groundfish data for federal fisheries, as well as halibut and federal sablefish data, were provided by the National Marine Fisheries Service, Alaska Region. Catch data for all state fisheries were derived from the department's fish ticket database, located at the department's headquarters office in Juneau. For this report, however, state-managed groundfish reports were supplied by area offices in Homer and Sitka us-

ing area fish ticket reports. Fish tickets are landing documents (as required by state law) that record a fisherman's name, license number, date of catch, species harvested, number and/or pounds landed, area taken, and gear used, among others. An individual's fish ticket data are confidential as defined by statute. Conservative interpretation of department policy prohibits the release of catch data when fewer than 4 fishermen participate in a fishery. Therefore, several tables in this document list data that cannot be disclosed due to confidentiality requirements. These data have been replaced with an asterisk(s). This unreported data will result in an underestimation of the true value of the fishery as listed in the tables. Table 1, however, includes all confidential data listed comprehensively, and estimates statewide volume and value as reported. Similarly, exvessel value and production data remain confidential unless they can be aggregated so that at least 4 companies participated. Data listed in these tables were derived from industry-supplied information submitted on a form referred to as the Commercial Operator's Annual Report. The Commercial Fisheries Entry Commission determined actual price-per-pound values through analysis of this same database. Improper compliance, or incorrect data supplied to the department by industry, may account for any reporting discrepancies.

There were 1,107 operations where fish and fishery products were either purchased, exported, and/or sold within the state of Alaska in 1995. The table below lists these operation types.

The year 1995 was the first that catcher/sellers were required to register with the department before selling their product across the dock to the general public. As the title implies, catcher/sellers are fishermen who sell unprocessed product to the public, restaurants, or approved fish markets. Although catcher/sellers were required to register in 1995, no formal reporting is required; hence no data derived from those individuals appear in this report.

In 1995 there also was an increase in catcher/processor activity, which strongly correlated to the increase in salmon roe recovery activities in Southeast.

Breakdown of operation types contributing to Alaska's commercial fisheries in 1995.

Operation Type	Number Participating
Company Buyers	18
Catcher/Processors	341
Catcher/Exporters	71
Floating Processors	63
Independent Buyers	22
Markets	9
Restaurants	8
Shore-Based Processors	181
Catcher/Sellers	394
Total	1,107

As their title implies, catcher/processors are fishermen who process their own catch, generally for direct marketing. Price-per-pound data were not generated from any catcher/processors reports. Shore-based values have been used to indicate value statements that may include catcher/processor participation.

Fishery-specific summaries of the 1995 season follow. For further federal groundfish information, contact the National Marine Fisheries Service at (907) 586-7228 or on the World Wide Web at <http://www.fakr.noaa.gov>.

Many of the summaries in the tables that follow are broken out by ADF&G "operating" regions (see map on the inside front cover of this report). These regions are different from the older "statistical" regions. One should note that within these operating regions Bristol Bay crab are managed by the department's Westward Region, whereas Bristol Bay salmon and herring are managed by the department's Central Region.

Several vernacular names normally used by the industry were used in this report rather than the correct common name because the vernacular name was better known. A listing of common, vernacular, and species names are included in the Appendix. This listing is included for reference purposes only and is by no means all-inclusive.

Season Summary for 1995

Alaska's 1995 commercial fishing season was notable for two reasons: it was the first year in Alaska's history that salmon catches exceeded 200 million fish and the first year of halibut and sablefish Individual Fishery Quotas (IFQ). Salmon catches in Alaska have been significant for over a decade, but many believed the 200 million-fish barrier would never be approached, much less shattered, as was the case in 1995. This was the result of strong catches statewide and record harvests for some salmon species in Bristol Bay, Kodiak, and Southeast. This record salmon harvest saturated an already glutted world market, creating difficult conditions for product movement and poor prices. Increases in farmed salmon production from Chile and Scandinavia continued to exacerbate the problem.

Salmon Fishery

Alaska fishermen harvest 5 species of Pacific salmon. These include chinook (king), sockeye (red), coho (silver), chum (dog), and pink (humpy) salmon. In 1995, commercial salmon fisheries established a new catch record. In fact, records have been set in 6 of the last 7 seasons; however, 1995 was the first year in history that catches exceeded 200 million salmon. The final

catch amounted to 218 million fish (985 million pounds). Catch records were set for sockeye salmon in Bristol Bay, pink salmon in Kodiak and the Alaska Peninsula, and chum salmon in Southeast. Total pink salmon harvests once again approached 100 million fish statewide, and sockeye catches approached 50 million. The port of Kodiak ranked number one in Alaska for processed salmon volume in 1995 because of the quantity of canned pink salmon produced there, while the value of sockeye salmon processed in Naknek afforded them top salmon value port in Alaska for 1995. Statewide, the estimated exvessel value (value to fishermen) for salmon totaled more than \$460 million. Nonetheless, with lower prices paid for Alaska salmon, estimated statewide values were slightly lower than in 1994, despite 13% higher landed volumes.

Despite the record volume, 1995 was not kind to all fishermen in the state. Trollers in Southeast saw their season closed by the courts, gillnet fishermen in the Yukon, Kuskokwim, and Norton Sound areas had their openings dictated by very limited markets, and purse seiners in Prince William Sound saw returns to Prince William Sound Aquaculture Corporation hatcheries reach only 60% of anticipated levels.

Herring Fishery

In Alaska there are several fisheries directed at herring or their roe. These include the purse seine and herring gillnet fisheries for sac roe, the winter food/bait fisheries, and the pound or net pen fisheries that produce herring spawn on kelp and wild spawn on kelp. The 1995 commercial herring season produced a harvest of about 50,000 tons. While catch volumes were similar to recent-year fisheries, the overall value this season was nearly double the previous year, making the 1995 catch worth about \$41 million. The average grounds' price per ton was the highest paid to fishermen since the record prices of 1988, when all fisheries benefited due to the dollar-to-yen ratio. In the sac roe fisheries, roe quality was very good statewide, and prices rose accordingly. Togiak sac roe fisheries produced the greatest numbers, with nearly 27,000 tons taken by the fleet in just over one week in early May. Accordingly, Naknek was the state's top port for both herring volume and value in 1995. Bering Sea herring populations appear healthy overall, with a possible slight decline anticipated in the near future as older fish contribute less to commercial efforts. Prince William Sound sac roe, herring spawn on kelp, and the herring food/bait fisheries again remained closed because of biomass threshold levels below the required minimums. Stocks are rebuilding in that area, however. Kodiak and Kamishak herring stocks continued to increase as did area harvests, and catches in the Arctic-Yukon-Kuskokwim Region were generally above average. In Southeast, Sitka Sound herring stocks again contributed largely to the total catch.

Crab Fishery

Crab catches around the state declined in 1995. Major fisheries include those for king, Tanner, and Dungeness crab. The state's largest crab fishery remains the Tanner crab fisheries (bairdi and snow). Snow crab landings during the 1994/1995 season were approximately 150 million pounds. During the 1995/1996 season, that total dropped to about 75 million pounds. This was the lowest catch since that taken in 1987. However, stock condition is improving as recruitment levels increase, and larger catches are predicted beginning with the scheduled January 15 opening in 1997. During the 1995 (1995/1996) season, bairdi crab catches were about half that taken in 1994. This was largely the result of declines in the Bering Sea.

An influx of king crab from Russia drove wholesale prices down postseason, impacting the margins to processors with inventory. The Bristol Bay red king crab fishery remained closed in 1995 because the number of mature females was not above the fishery threshold of 8.4 million crabs. This was the second year this fishery was canceled. The current harvest strategy for Bristol Bay red king crabs should promote stock rebuilding regardless of whether improved future recruitment results from increased effective spawning biomass, higher survival associated with more favorable environmental conditions, or a combination of both. Also, the threshold buffers against stock collapse should also be promoted if the recent increase in recruitment proves not to be sustained. Bering Sea king crab fisheries did occur during mid September in the St. Matthew and Pribilof Island fisheries, with harvests totaling nearly 6 million pounds. Total value to fishermen should be about \$12–15 million. The Norton Sound red king crab fishery opened July 1. Final catch was about 320,000 pounds, or just below the established guideline harvest level (GHL). Value was about \$800,000. In Southeast the red king crab season begins each November 1 with a GHL of approximately 300,000 pounds.

Dungeness crab harvests occur in Kodiak and Southeast Alaska. The Southeast Dungeness crab summer harvest was the second largest on record, with over 3.4 million pounds taken during the 3-month period. Prices were nearly \$0.60 above those paid last season, with fishermen earning over \$5.6 million during this portion of the fishery. Unfortunately, Kodiak Dungeness crab harvests continued to decline.

Shrimp Fishery

Southeast produces nearly all shrimp landings in Alaska. Both trawl and pot shrimp fishery landings have been increasing. Because of these increased catches, the Commercial Fisheries Entry Commission announced in the fall that it was looking to place the

pot fisheries into limited entry status. Additionally, the CFMD Division adopted individual GHLs for each pot shrimp district fished to aid in management of the resource.

Miscellaneous Shellfish Fisheries

Miscellaneous shellfish are harvested in Alaska by hand-picking, shovel, trawl, pot, and dredge gear. While several fisheries, such as clam and scallop fisheries, have been around for many years, Alaska's newly developing commercial dive fisheries for geoduck clams, sea urchins, and sea cucumbers continued to mature. Under the present moratorium on new entrants into these dive fisheries, divers currently harvest resources worth over \$2.5 million. With continued improvements in paralytic shellfish poisoning (PSP) testing, look to live exports of geoducks in the future. Quotas could increase as markets develop. Sea cucumber populations and their respective fishery remain stable. Annual harvests are about 1–2 million pounds. Southern Southeast Alaska red sea urchins underwent a small-scale pilot program recently, and this fishery could produce substantial catches in the future. Green sea urchin fisheries could begin developing statewide within the next five years, with industry support.

Groundfish and Halibut Fisheries

In 1995, groundfish landings led all fisheries in total value and volume landed, making it the most significant fishery in Alaska. Groundfish are harvested using trawls or fixed gear (longline, jig, or hand troll). State-managed groundfish fisheries occur in Alaska's Southeast Region (Southeast/Yakutat), Central Region (Prince William Sound and Cook Inlet), and Westward Region (Kodiak and the Alaska Peninsula). Of notable significance in state-managed fisheries are sablefish (black cod) limited entry fisheries in Prince William Sound and in Chatham and Clarence Straits in Southeast. There are also relatively significant rockfish and Pacific cod fisheries in each of the three regions mentioned above. However, most groundfish harvests occur beyond the 3-mile state jurisdiction, falling under federal management. These include the Gulf of Alaska sablefish and the tremendous Bering Sea pollock fisheries. In 1995 the National Marine Fisheries Service, Alaska Region (NMFS-AK) implemented a new IFQ program for Alaska's halibut and sablefish fisheries. The program had been developed by the North Pacific Fishery Management Council (NPFMC) and approved by the U.S. Secretary of Commerce. The new IFQ program represents a dramatic change from the open-access fisheries for sablefish and halibut that existed before 1995. Since 1923 the International Pacific Halibut Commission (IPHC), established by a convention

between the United States and Canada, has been responsible for the biological management of the fishery. The IPHC has authority to establish regulatory areas, limit catch by area, license vessels, regulate gear types, protect nursery areas, collect statistics, and conduct scientific research. The IPHC has defined eight management areas off Alaska, and each of these has a separate total allowable catch (TAC). NMFS-Restricted Access Management Division data indicate that 4,801

separate persons initially received halibut quota shares. The halibut IFQ program was implemented simultaneously with the sablefish IFQ program. Data indicate that 1,041 separate persons initially received sablefish quota shares. The new programs appear to be working well and have made fresh halibut and sablefish available throughout most of the year. This has also improved values earned by participating commercial fishermen.

Definitions

Catcher/exporters — *Fishermen that catch fish in Alaska and take raw product out of state.*

Catcher/processors — *Vessels that catch and process fish on board.*

Catcher/sellers — *A person who sells or attempts to sell unprocessed fish that were legally taken by the catcher/seller (1) to the general public for use for noncommercial purposes; (2) for use as bait for commercial or noncommercial purposes; or (3) to restaurants, grocery stores, and established fish markets.*

Company buyers — *Company representative who purchases fish directly from fishermen and does not process fish, but may export and sell the fish whole.*

Exvessel harvest pounds — *Pounds of fish caught and sold by fishermen.*

Exvessel value — *Amount fishermen were paid for their catch. Exvessel value is calculated as number of harvested pounds x price/lb.*

Floating processors — *Vessels that receive fish from catcher boats and then process that catch on board.*

Independent buyers — *Same as Company Buyer, except represents self.*

Landings — *Number of times a permit holder makes a delivery to a licensed buyer.*

Permit — *License (gear card) to commercially catch and land fish, or number of individuals holding such permits.*

Price/lb. — *Data provided by the Commercial Fisheries Entry Commission; updated price/lb. numbers are derived from Commercial Operator Annual Reports and fish ticket value statements.*

Processor — *Individual or company that modifies the physical condition of raw fish.*

Production (wholesale) value — *Amount processed fish is sold for.*

Production pounds — *Weight of product to be sold after processing.*

Shore-based processors — *Processing facilities based on land.*

Table 1. Statewide summary of limited entry/interim-use permits renewed and issued by the Commercial Fisheries Entry Commission in 1995, by fishery.

Fishery/Species	Residency Status				Fishery Totals	
	Resident Renewals		Nonresident Renewals		Number	Percent
	Number	Percent	Number	Percent		
Salmon						
All	9,233	77%	2,804	23%	12,037	100%
<i>Fishery Subtotal</i>	9,233	77%	2,804	23%	12,037	100%
Herring						
Herring (food/bait)	79	86%	13	14%	92	100%
Herring Roe	2,205	79%	576	21%	2,781	100%
Herring Roe on Kelp	721	93%	55	7%	776	100%
<i>Fishery Subtotal</i>	3,005	82%	644	18%	3,649	100%
Crab						
Dungeness	373	85%	68	15%	441	100%
King	321	60%	214	40%	535	100%
Southeast King (brown and Tanner only)	2	67%	1	33%	3	100%
Southeast King (brown only)	4	100%			4	100%
Southeast King (red and blue)	4	100%			4	100%
Southeast King (red, blue, and brown)	3	100%			3	100%
Southeast King (red, blue, and Tanner)	27	96%	1	4%	28	100%
Southeast King (red, blue, brown, and Tanner)	50	96%	2	4%	52	100%
Miscellaneous Crab	14	41%	20	59%	34	100%
Tanner	303	52%	282	48%	585	100%
<i>Fishery Subtotal</i>	1,101	65%	588	35%	1,689	100%
Shrimp						
All	821	94%	55	6%	876	100%
<i>Fishery Subtotal</i>	821	94%	55	6%	876	100%
Miscellaneous Shellfish						
Abalone	167	93%	13	7%	180	100%
Clam	157	66%	82	34%	239	100%
Miscellaneous Marine Invertebrates	3	100%			3	100%
Octopus/Squid	82	94%	5	6%	87	100%
Scallop	8	53%	7	47%	15	100%
Sea Cucumber	513	82%	114	18%	627	100%
Sea Urchin	85	80%	21	20%	106	100%
Snail	7	64%	4	36%	11	100%
<i>Fishery Subtotal</i>	1,022	81%	246	19%	1,268	100%
Groundfish						
Miscellaneous Marine Finfish	2,084	77%	629	23%	2,713	100%
Southeast Rockfish (DSR)	373	97%	13	3%	386	100%
Sablefish (black cod)	893	77%	266	23%	1,159	100%
<i>Fishery Subtotal</i>	3,350	79%	908	21%	4,258	100%
Miscellaneous Finfish						
All	56	100%			56	100%
<i>Fishery Subtotal</i>	56	100%			56	100%
Halibut						
All	3,525	89%	456	11%	3,981	100%
<i>Fishery Subtotal</i>	3,525	89%	456	11%	3,981	100%
Residency Totals	22,113	80%	5,701	20%	27,814	100%

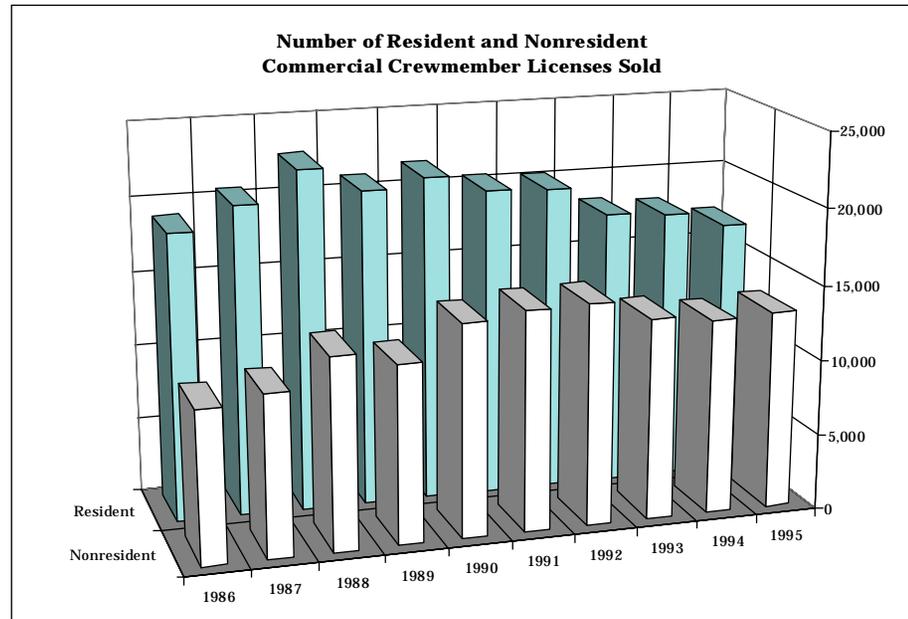
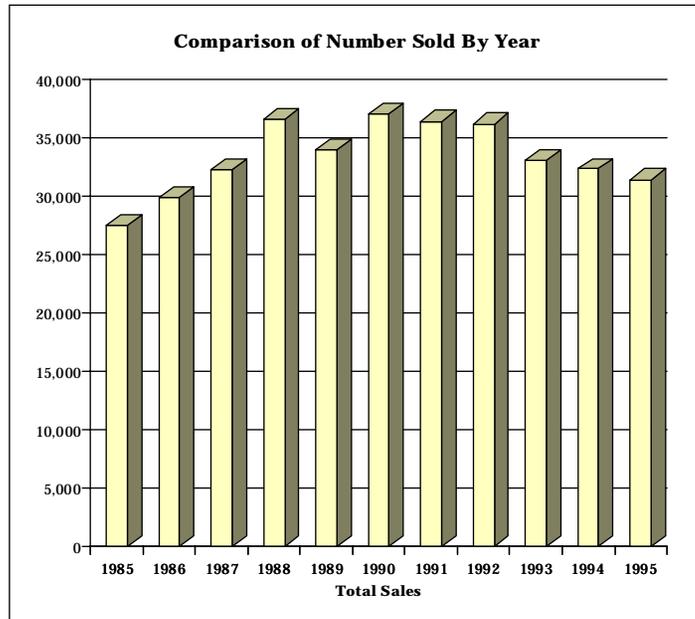
Notes: All data in this table were provided by the Commercial Fisheries Entry Commission.

The issuance of a permit does not imply that it was actually fished in a given year. See catch tables for permits fished.

Table 2. Commercial crewmember licenses sold and gross revenues, 1986–1995.

Number Sold	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Resident	18,957	20,504	22,559	20,886	21,545	20,364	20,212	18,272	18,019	17,055
Nonresident	10,047	10,655	12,648	11,745	14,043	14,542	14,637	13,335	12,886	13,102
Duplicate	879	1,090	1,350	1,331	1,404	1,484	1,317	1,404	1,405	1,234
Total	29,883	32,249	36,557	33,962	36,992	36,390	36,166	33,011	32,310	31,391

Gross Revenues	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Resident	\$ 568,710	\$ 615,120	\$ 676,770	\$ 626,580	\$ 646,350	\$ 610,920	\$ 606,360	\$ 548,160	\$ 540,570	\$ 511,650
Nonresident	\$ 904,230	\$ 958,950	\$1,138,320	\$1,057,050	\$1,263,870	\$1,308,780	\$1,317,330	\$1,200,150	\$1,159,740	\$1,179,180
Duplicate	\$ 1,758	\$ 2,180	\$ 2,700	\$ 2,662	\$ 2,808	\$ 2,968	\$ 2,634	\$ 2,808	\$ 2,810	\$ 5,888
Total	\$1,474,698	\$1,576,250	\$1,817,790	\$1,686,292	\$1,913,028	\$1,922,668	\$1,926,324	\$1,751,118	\$1,703,120	\$1,696,718



Data Source: Department of Fish and Game, Division of Administration, Licensing Section

Table 3. Harvest, exvessel, and production volumes and values of Alaska's commercial statewide fisheries in 1995 (for all gears and general processes), in thousands of pounds and U.S. dollars.

Fishery	Exvessel (reported purchased)**		Production (reported processed/exported)	
	Harvest Pounds	Value	Pounds	Value
Salmon Fishery				
<i>Fishery Subtotal</i>	994,107	\$ 490,365	688,221	\$1,035,763
Herring Fishery				
<i>Fishery Subtotal</i>	106,471	\$ 51,288	96,274	\$ 109,879
Crab Fishery				
<i>Fishery Subtotal</i>	106,054	\$ 258,551	64,842	\$ 352,119
Shrimp Fishery				
<i>Fishery Subtotal</i>	4,911	\$ 4,994	2,470	\$ 7,733
Miscellaneous Shellfish Fishery				
<i>Fishery Subtotal</i>	6,418	\$ 6,183	2,733	\$ 11,618
Halibut Fishery*				
<i>Fishery Subtotal</i>	33,928	\$ 68,725	27,439	\$ 75,821
Groundfish Fishery***				
<i>Fishery Subtotal</i>	3,869,819	\$ 511,463	831,899	\$ 915,089
Grand Totals	5,121,708	\$1,391,570	1,713,878	\$2,508,022

Data Source: 1995 Commercial Operator Annual Reports

* Denotes harvest data extracted from National Marine Fisheries Service documents, which may overestimate the actual harvest within state of Alaska waters.

** Denotes purchases as reported on 1995 *Commercial Operator Annual Reports*. Does not represent values from catcher/processors, catcher/exporters, or catcher/sellers.

*** Denotes harvest data, excluding discards, quoted by the National Marine Fisheries Service, Alaska Region, Juneau.

Note: Halibut harvests and purchase pounds are reported in net (headed and gutted) weights, or individual fishery quota weights.

Table 4. Statewide exvessel volumes and values, in thousands of pounds and U.S. dollars.

Fishery/Species	Harvest	Exvessel Value	Statewide Average Price/lb.
Salmon			
Roe	665	\$ 2,186	\$3.29
Chinook	12,680	\$ 18,022	\$1.42
Sockeye	350,491	\$ 315,854	\$0.90
Coho	49,816	\$ 29,519	\$0.59
Pink	435,455	\$ 80,030	\$0.18
Chum	145,665	\$ 47,099	\$0.32
<i>Fishery Subtotal</i>	994,107	\$ 490,525	
Herring			
Herring Roe on Kelp	390	\$ 2,826	\$7.25
Food/Bait Herring	5,741	\$ 892	\$0.16
Herring with Sac Roe	100,340	\$ 47,569	\$0.47
<i>Fishery Subtotal</i>	106,471	\$ 51,288	
Crab			
Dungeness	5,627	\$ 9,366	\$1.66
Red King	1,701	\$ 6,276	\$3.69
Blue King	4,429	\$ 11,036	\$2.49
Golden (brown) King	8,296	\$ 24,551	\$2.96
Scarlet King	85	\$ 137	\$1.60
Tanner (bairdi)	6,813	\$ 22,110	\$3.25
Snow (opilio)	74,020	\$ 174,682	\$2.36
Tanner (tanneri)	2,852	\$ 4,580	\$1.61
Tanner (angulatus)	245	\$ 371	\$1.52
Hair	1,986	\$ 5,442	\$2.74
<i>Fishery Subtotal</i>	106,054	\$ 258,551	
Shrimp			
Pink	3,370	\$ 879	\$0.26
Sidestripe	118	\$ 252	\$2.13
Humpy	0	\$ 0	\$0.29
Coonstripe	84	\$ 176	\$2.10
Spot	1,339	\$ 3,687	\$2.75
<i>Fishery Subtotal</i>	4,911	\$ 4,994	
Miscellaneous Shellfish			
Butter Clam	6	\$ 7	\$1.25
Cockle	0	\$ 0	\$1.00
Razor Clam	248	\$ 133	\$0.54
Geoduck	261	\$ 586	\$2.25
Littleneck	82	\$ 123	\$1.50
Weathervane Scallop	351	\$ 1,848	\$5.26
Blue Mussel	3	\$ 5	\$1.35
Abalone	9	\$ 74	\$8.63
Squid	220	\$ 23	\$0.10
Octopus	96	\$ 48	\$0.50
Sea Cucumber	1,585	\$ 2,031	\$1.28
Sea Urchin	1,227	\$ 606	\$0.49
Snail	2,330	\$ 699	\$0.30
<i>Fishery Subtotal</i>	6,418	\$ 6,183	
Halibut (includes catches outside state waters)*			
Halibut	33,928	\$ 68,725	\$2.03
<i>Fishery Subtotal</i>	33,928	\$ 68,725	
Groundfish (includes catches outside state waters)			
Rockfish	52,813	\$ 27,319	\$0.52
Flatfish	339,044	\$ 25,458	\$0.08
Pacific Cod	611,142	\$ 109,004	\$0.18
Lingcod	900	\$ 516	\$0.57
Sablefish (black cod)	33,511	\$ 95,710	\$2.86
Pollock	2,647,550	\$ 249,757	\$0.09
Eel	**	**	
Sharks, Skates, and Rays	18	\$ 2	\$0.12
Other Groundfish	184,841	\$ 3,697	\$0.02
<i>Fishery Subtotal</i>	3,869,819	\$ 511,463	
Statewide Totals	5,121,708	\$1,391,730	

Data Source: 1995 Commercial Operator Annual Reports

* Denotes data provided by the Commercial Fisheries Entry Commission, Juneau, courtesy of the International Pacific Halibut Commission fish ticket file, Seattle, Washington.

** Denotes confidential data that cannot be released per AS 16.05.815.

Statewide Exvessel Volumes and Values

Table 5. Statewide production volumes and wholesale values, in thousands of pounds and U.S. dollars. Data are only based on actual industry responses and may underestimate actual values and volumes due to lack of compliance in certain fisheries.

Fishery/Species	Net Weight	Wholesale Value	Average Price/lb.
Salmon			
Salmon Byproducts	317	\$ 406	\$ 1.28
Chinook	10,545	\$ 28,979	\$ 2.75
Sockeye	249,193	\$ 517,808	\$ 2.08
Chum	112,208	\$ 65,334	\$ 0.58
Coho	45,591	\$ 72,741	\$ 1.60
Pink	251,223	\$ 250,741	\$ 1.00
<i>Salmon Subtotal</i>	668,760	\$ 935,603	
Chinook Roe	341	\$ 1,544	\$ 4.53
Sockeye Roe	6,052	\$ 36,857	\$ 6.09
Coho Roe	1,106	\$ 5,048	\$ 4.56
Pink Roe	7,215	\$ 19,633	\$ 2.72
Chum Roe	5,536	\$ 38,128	\$ 6.89
Roe (unspecified)	10	\$ 22	\$ 2.28
<i>Salmon Roe Subtotal</i>	20,260	\$ 101,232	
<i>Fishery Total</i>	689,020	\$1,036,835	
Herring			
Bait Herring	3,687	\$ 1,507	\$ 0.41
Food Herring	1,436	\$ 1,416	\$ 0.99
Roe on Kelp	320	\$ 2,114	\$ 6.60
Roe Only	5,020	\$ 8,388	\$ 1.67
Herring with Sac Roe	85,613	\$ 96,778	\$ 1.13
Herring Byproducts	803	\$ 39	\$ 0.05
<i>Fishery Total</i>	96,879	\$ 110,242	
Crab			
Blue King	2,722	\$ 15,963	\$ 5.86
Golden (brown) King	4,657	\$ 26,974	\$ 5.79
Dungeness	3,788	\$ 12,513	\$ 3.30
Hair	1,724	\$ 9,537	\$ 5.53
Red King	1,219	\$ 11,584	\$ 9.50
Scarlet King	31	\$ 142	\$ 4.64
Tanner (bairdi)	4,772	\$ 33,320	\$ 6.98
Tanner (tanneri)	1,667	\$ 7,784	\$ 4.67
Snow (opilio)	44,264	\$ 234,297	\$ 5.29
<i>Fishery Total</i>	64,844	\$ 352,114	
Shrimp			
Coonstripe	44	\$ 191	\$ 4.31
Humpy	*	*	\$ 5.93
Pink	1,499	\$ 2,361	\$ 1.57
Sidestripe	47	\$ 172	\$ 3.65
Spot	914	\$ 5,161	\$ 5.64
<i>Fishery Total</i>	2,504	\$ 7,885	
Miscellaneous Shellfish			
Abalone	8	\$ 109	\$14.48
Geoduck	138	\$ 515	\$ 3.72
Littleneck	24	\$ 54	\$ 2.26
Razor Clam	*	*	\$ 4.09
Octopus	111	\$ 106	\$ 0.95
Weathervane Scallop	231	\$ 1,032	\$ 4.46
Sea Urchin	219	\$ 4,715	\$21.49
Snail	405	\$ 1,466	\$ 3.62
Squid	536	\$ 193	\$ 0.36
<i>Fishery Total</i>	1,672	\$ 8,190	
Halibut			
Halibut	27,438	\$ 75,820	\$ 2.76
<i>Fishery Total</i>	27,438	\$ 75,820	
Groundfish (state waters and subsample of Bering Sea, Aleutian Islands, and Gulf of Alaska)			
	831,899	\$ 915,089	\$ 1.10
<i>Fishery Total</i>	831,899	\$ 915,089	
Statewide Totals	1,714,256	\$2,506,175	

Data Source: 1995 Commercial Operator Annual Reports

* Denotes confidential data that cannot be released per AS 16.05.815.

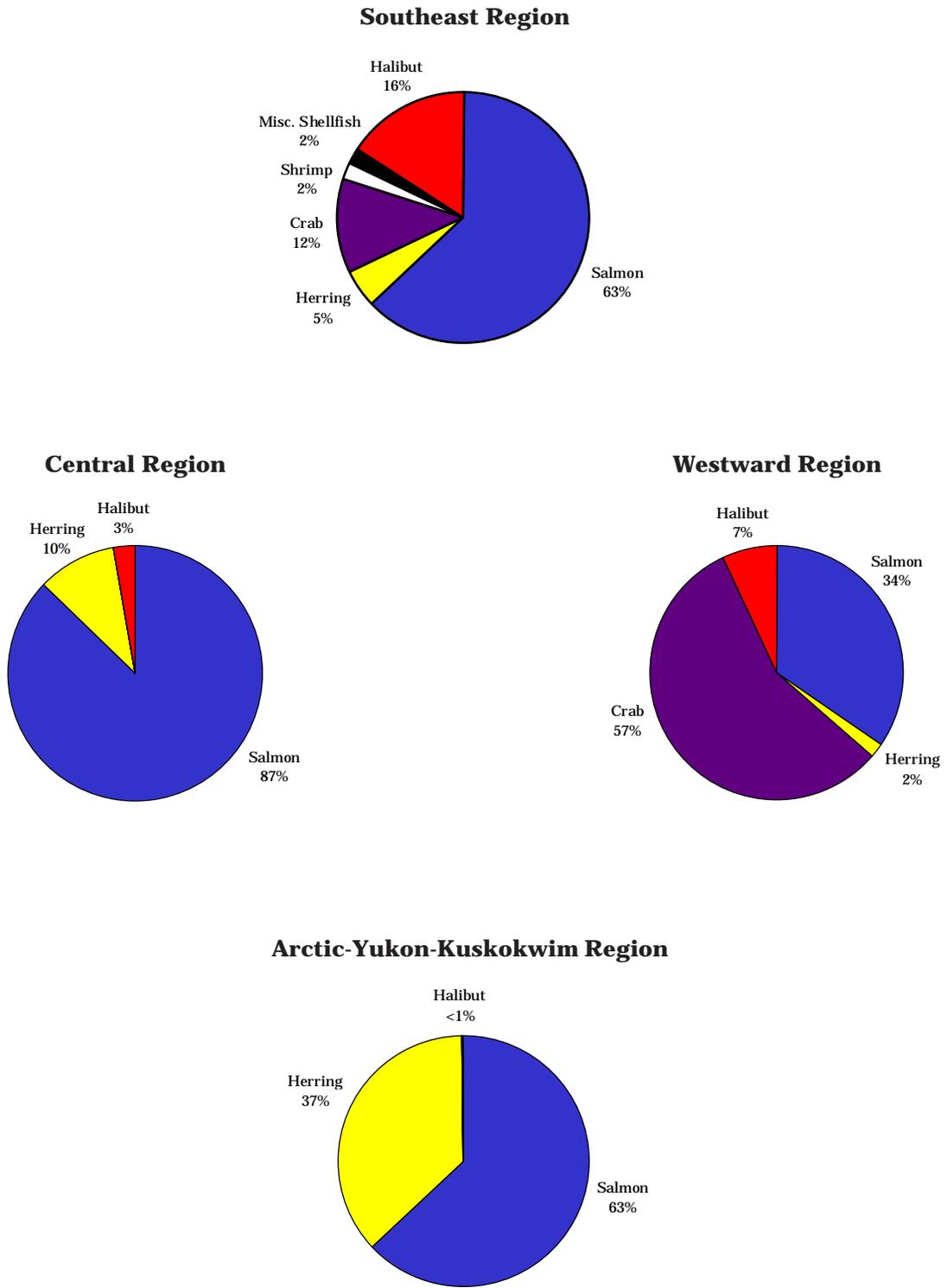


Figure 1. Statewide exvessel values during 1995, excluding groundfish, by fishery and region.

Statewide Exvessel Values

Table 6. Summary of 1995 exvessel values, by fishery, species, and region. Volumes and values are in thousands of pounds and U.S. dollars.

Fishery/Species	Southeast		Central		Westward		Arctic-Yukon-Kuskokwim	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Salmon								
Roe (from directed purchases)	217	\$ 540	117	\$ 484			331	\$ 1,163
Chinook	3,547	\$ 5,465	4,146	\$ 5,568	863	\$ 600	4,125	\$ 6,388
Sockeye	10,392	\$ 12,989	270,313	\$228,733	68,410	\$ 73,156	1,375	\$ 976
Coho	25,548	\$ 18,231	12,377	\$ 6,206	7,199	\$ 3,111	4,691	\$ 1,971
Pink	152,735	\$ 31,724	66,016	\$ 12,438	216,505	\$ 35,833	199	\$ 36
Chum	91,140	\$ 33,934	16,321	\$ 4,627	27,017	\$ 6,614	11,188	\$ 1,925
<i>Fishery Subtotal*</i>	283,579	\$102,884	369,289	\$258,055	319,995	\$119,314	21,909	\$12,458
Herring***								
Herring Roe on Kelp	108	\$ 2,482	282	\$ 344				
Food/Bait Herring	1,182	\$ 165	53	\$ 1	4,240	\$ 705	266	\$ 21
Herring with Sac Roe	7,765	\$ 5,885	60,160	\$ 26,623	10,090	\$ 6,383	22,326	\$ 8,678
<i>Fishery Subtotal*</i>	9,055	\$ 8,532	60,495	\$ 26,968	14,329	\$ 7,088	22,592	\$ 8,699
Crab								
Dungeness	4,876	\$ 8,085	**	**	751	\$ 1,281		
Red King	359	\$ 1,522			998	\$ 3,771	344	\$ 984
Blue King	6	\$ 24			4,422	\$ 11,012		
Golden (brown) King	39	\$ 145			8,257	\$ 24,406		
Scarlet King					85	\$ 137		
Tanner (bairdi)	2,614	\$ 9,938			4,199	\$ 12,172		
Snow (opilio)					74,020	\$174,682		
Tanner (tanneri)	12	\$ 19			2,840	\$ 4,561		
Tanner (angulatus)					245	\$ 371		
Hair					1,986	\$ 5,442		
<i>Fishery Subtotal*</i>	7,907	\$ 19,733	0	\$ 0	97,803	\$237,835	344	\$ 984
Shrimp								
Pink	3,370	\$ 879	**	**				
Sidestripe	32	\$ 33	86	\$ 219				
Humpy	0	\$ 0						
Coonstripe	84	\$ 176						
Spot	1,339	\$ 3,687						
<i>Fishery Subtotal*</i>	4,824	\$ 4,775	86	\$ 219	0	\$ 0	0	\$ 0
Miscellaneous Shellfish								
Butter Clam	1	\$ 2	4	\$ 5				
Cockle			0	\$ 0				
Razor Clam			248	\$ 133				
Geoduck	261	\$ 586						
Littleneck	16	\$ 33	67	\$ 90				
Weathervane Scallop	276	\$ 1,455	48	\$ 251	27	\$ 141		
Blue Mussel			3	\$ 5				
Abalone	9	\$ 74						
Squid			2	\$ 2	218	\$ 21		
Octopus	1	\$ 2	16	\$ 14	79	\$ 32		
Sea Cucumber	1,440	\$ 1,852			145	\$ 179		
Sea Urchin	1,185	\$ 550	3	\$ 4	38	\$ 52		
Snail					2,330	\$ 699		
<i>Fishery Subtotal*</i>	3,188	\$ 4,553	392	\$ 505	2,838	\$ 1,125	0	\$ 0
Halibut								
Halibut	10,990	\$ 22,881	8,734	\$ 18,071	14,205	\$ 27,773	0	\$ 0
<i>Fishery Subtotal*</i>	10,990	\$ 22,881	8,734	\$ 18,071	14,205	\$ 27,773	0	\$ 0
Groundfish (excludes discards)								
Rockfish	1,189	\$ 731	459	\$ 289	51,165	\$ 26,299		
Flatfish	16	\$ 4	4	\$ 0	339,024	\$ 25,454		
Pacific Cod	338	\$ 114	5,911	\$ 1,436	604,893	\$107,454		
Lingcod	854	\$ 503	46	\$ 13				
Sablefish (black cod)	5,371	\$ 10,613	607	\$ 1,305	27,533	\$ 83,791		
Pollock	3	\$ 1	6,524	\$ 678	2,641,023	\$249,078		
Eel	0	\$ 0	**	**				
Sharks, Skates, and Rays	15	\$ 1	3	\$ 1				
Other Groundfish	**	**	1	\$ 0	184,840	\$ 3,697		
<i>Fishery Subtotal*</i>	7,786	\$ 11,967	13,555	\$ 3,723	3,848,478	\$495,773	0	\$ 0
Regional Totals	327,330	\$175,325	452,550	\$307,541	4,297,647	\$888,908	44,845	\$22,141

Data Source: 1995 Commercial Operator Annual Reports

* Regional totals may not add correctly because confidential data are not included.

** Denotes confidential data that cannot be released per AS 16.05.815.

*** Note that volume has been converted to pounds from short tons (see Tables 19–22).

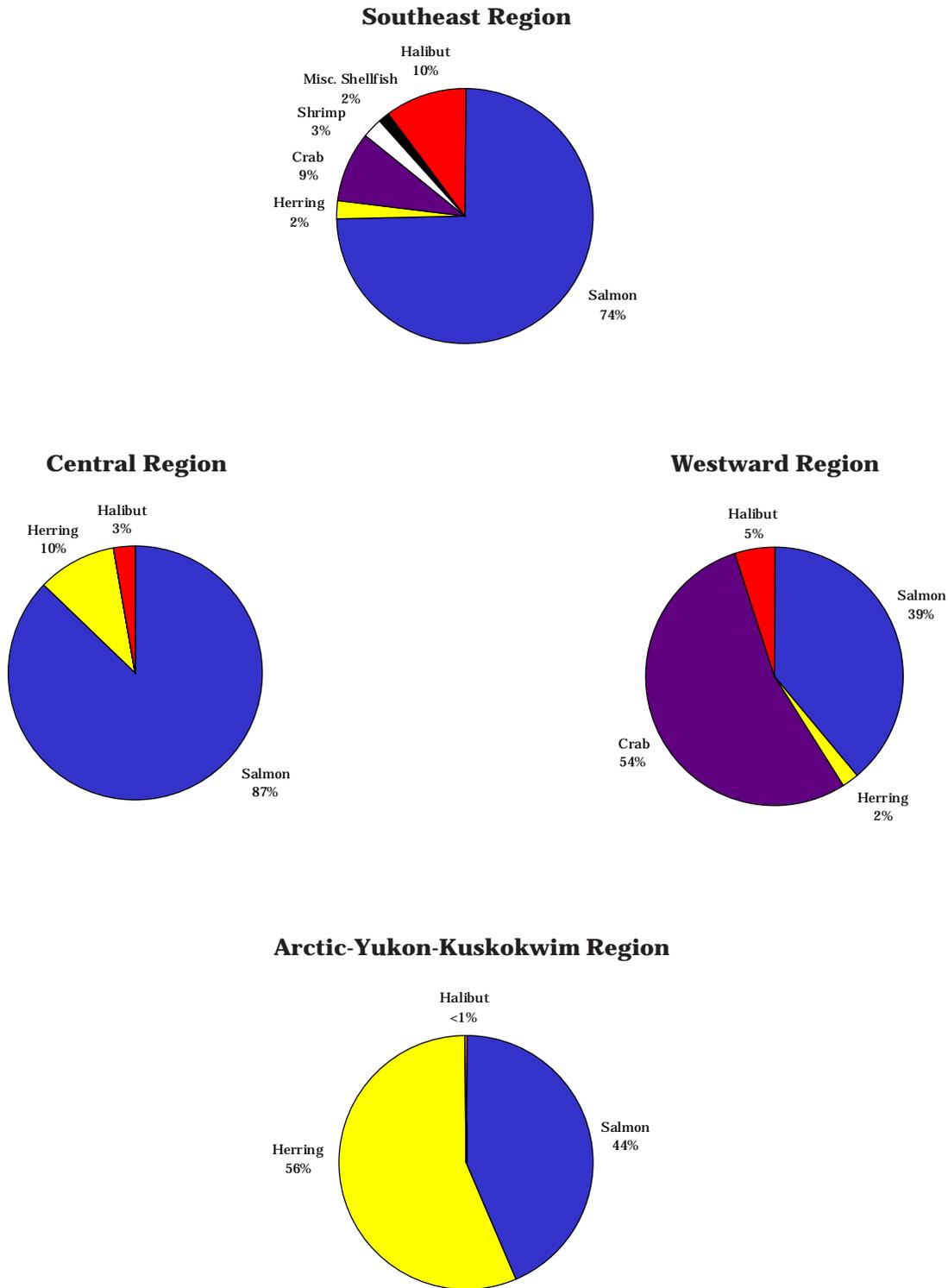


Figure 2. Statewide production (wholesale) values during 1995, excluding groundfish, by fishery and region.

Statewide Production Values

Table 7. Summary of production values, by fishery, species, and region. Volumes and values are in thousands of pounds and U.S. dollars.

Fishery/Species	Southeast		Central		Westward		Arctic-Yukon-Kuskokwim	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Salmon								
Unspecified Roe	**	**						
Chinook Roe	41	\$ 163	159	\$ 809	19	\$ 82	122	\$ 489
Sockeye Roe	140	\$ 631	4,584	\$ 27,249	1,301	\$ 8,815	**	**
Coho Roe	418	\$ 1,959	329	\$ 1,448	113	\$ 565	247	\$ 1,076
Pink Roe	1,252	\$ 3,041	1,872	\$ 5,304	4,086	\$ 11,238	**	**
Chum Roe	3,519	\$ 27,786	787	\$ 3,774	691	\$ 3,749	539	\$ 2,819
<i>Salmon Roe Subtotal</i>	5,370	\$ 33,580	7,731	\$ 38,584	6,210	\$ 24,449	908	\$ 4,384
Salmon Byproducts	72	\$ 262	**	**	**	**	**	**
Chinook	3,571	\$ 9,381	3,837	\$ 9,582	577	\$ 847	2,552	\$ 9,156
Sockeye	8,561	\$ 21,912	186,834	\$375,573	51,256	\$115,713	**	**
Coho	25,157	\$ 43,409	12,855	\$ 19,905	4,688	\$ 6,116	2,838	\$ 3,228
Pink	98,141	\$ 96,070	51,667	\$ 65,285	98,806	\$ 86,680	**	**
Chum	61,928	\$ 39,389	27,456	\$ 10,516	18,068	\$ 12,732	4,662	\$ 2,572
<i>Salmon Subtotal</i>	197,430	\$210,423	282,649	\$480,861	173,395	\$222,088	10,052	\$14,956
<i>Fishery Subtotal*</i>	202,800	\$244,003	290,380	\$519,445	179,605	\$246,537	10,960	\$19,340
Herring***								
Herring Byproducts			**	**	**	**	**	**
Herring Roe on Kelp	**	**	**	**	**	**	**	**
Herring Roe Only	**	**	4,818	\$ 5,914	12	\$ 48	**	**
Bait Herring	1,054	\$ 450	**	**	2,487	\$ 989	**	**
Herring with Sac Roe	5,119	\$ 7,049	51,358	\$ 57,925	11,666	\$ 11,816	17,470	\$19,987
Food Herring	**	**	**	**	**	**	**	**
<i>Fishery Subtotal</i>	6,173	\$ 7,499	56,176	\$ 63,839	14,165	\$ 12,853	17,470	\$19,987
Crab								
Dungeness	3,388	\$ 11,110	**	**	330	\$ 1,188	**	**
Red King	222	\$ 2,318			858	\$ 8,503	**	**
Blue King	**	**			2,720	\$ 15,944		
Golden (brown) King	24	\$ 192			4,633	\$ 26,782		
Scarlet King					31	\$ 142		
Tanner (bairdi)	1,584	\$ 12,551			3,188	\$ 20,769		
Snow (opilio)					44,264	\$234,297		
Tanner (tanneri)					1,667	\$ 7,784		
Hair					1,725	\$ 9,537		
<i>Fishery Subtotal</i>	5,218	\$ 26,171	0	\$ 0	59,416	\$324,946	0	\$ 0
Shrimp								
Pink	1,499	\$ 2,361						
Sidestripe	18	\$ 38	**	**				
Humpty	**	**						
Coonstripe	44	\$ 191						
Spot	913	\$ 5,151	**	**				
<i>Fishery Subtotal</i>	2,474	\$ 7,741	0	\$ 0	0	\$ 0	0	\$ 0
Miscellaneous Shellfish								
Razor Clam			**	**				
Geoduck	138	\$ 515						
Littleneck	**	**	**	**				
Weathervane Scallop	160	\$ 721			**	**		
Abalone	8	\$ 109						
Octopus	0	\$ 0	**	**	94	\$ 95		
Squid			**	**	**	**		
Snail					**	**		
Sea Cucumber	698	\$ 3,241			**	**		
Sea Urchin	178	\$ 4,654	**	**	**	**		
<i>Fishery Subtotal</i>	1,182	\$ 9,240	0	\$ 0	94	\$ 95	0	\$ 0
Halibut								
Halibut	10,169	\$ 29,557	5,912	\$ 16,120	10,978	\$ 29,207	**	**
<i>Fishery Subtotal</i>	10,169	\$ 29,557	5,912	\$ 16,120	10,978	\$ 29,207	0	\$ 0
Groundfish (not available on regional level; see Table 43 for statewide information).								
Regional Totals	233,386	\$357,791	360,199	\$637,988	270,468	\$638,087	29,338	\$43,711

Data Source: 1995 Commercial Operator Annual Reports

* Regional totals may not add correctly because confidential data are not included.

** Denotes confidential data that cannot be released per AS 16.05.815.

*** Note that volume has been converted to pounds from short tons (see Tables 19–22).

Table 8(a). Top five ports in the state of Alaska, by fishery, based on *volume* of fish landed in 1995.

Fishery	Top Port	Second Largest	Third Largest	Fourth Largest	Fifth Largest
Salmon	Ketchikan	Kodiak	Petersburg	King Cove	Naknek
Herring	Naknek	Egegik	Kodiak	Petersburg	Ketchikan
Crab	Dutch Harbor	Saint Paul	Petersburg	King Cove	Akutan
Shrimp	Petersburg	Wrangell	Craig	Ketchikan	Sitka
Miscellaneous Shellfish	Saint Paul	Metlakatla	Ketchikan	Craig	Nikiski
Halibut	Kodiak	Homer	Sitka	Dutch Harbor	Seward

Table 8(b). Top five ports in the state of Alaska, by fishery, based on *total number of landings* in 1995.

Fishery	Top Port	Second Largest	Third Largest	Fourth Largest	Fifth Largest
Salmon	Naknek	South Naknek	Kodiak	Cordova	Dillingham
Herring	Egegik	Kodiak	Naknek	Ketchikan	Petersburg
Crab	Petersburg	Dutch Harbor	Nome	Saint Paul	Wrangell
Shrimp	Wrangell	Petersburg	Craig	Ketchikan	Sitka
Miscellaneous Shellfish	Nikiski	Ketchikan	Metlakatla	Craig	Petersburg

Table 8(c). Top five ports in the state of Alaska, by fishery, based on *volume* of processed product produced in 1995.

Fishery	Top Port	Second Largest	Third Largest	Fourth Largest	Fifth Largest
Salmon	Kodiak	Ketchikan	Petersburg	Naknek	King Cove
Herring	Naknek	Egegik	King Cove	Sitka	Dutch Harbor
Crab	Dutch Harbor	King Cove	Saint Paul	Petersburg	Akutan
Shrimp	Wrangell	Petersburg	Ketchikan	Sitka	Prince of Wales
Miscellaneous Shellfish	Dutch Harbor	Saint Paul	Ketchikan	Sitka	Nikiski
Halibut	Kodiak	Sitka	Seward	Dutch Harbor	Petersburg

Table 8(d). Top five ports in the state of Alaska, by fishery, based on *value* of processed product produced in 1995.

Fishery	Top Port	Second Largest	Third Largest	Fourth Largest	Fifth Largest
Salmon	Naknek	Kodiak	Petersburg	Ketchikan	King Cove
Herring	Naknek	Egegik	King Cove	Petersburg	Kodiak
Crab	Dutch Harbor	King Cove	Saint Paul	Petersburg	Akutan
Shrimp	Wrangell	Petersburg	Ketchikan	Sitka	Prince of Wales
Miscellaneous Shellfish	Sitka	Saint Paul	Ketchikan	Nikiski	Kodiak
Halibut	Kodiak	Sitka	Seward	Dutch Harbor	Petersburg

Data Source: 1995 Commercial Operator Annual Reports and 1995 fish tickets.

Table 9. Revenues generated by the commercial fishing industry in 1995, by type of tax.

Tax	Revenue Collection Detail		
	FY 96	FY 95	FY 94
Fisheries Business Tax			
Established			
Shore-based	\$19,206,930	\$19,552,652	\$16,395,401
Floating	\$12,080,160	\$12,778,626	\$12,637,377
Cannery	\$ 6,061,145	\$ 5,171,014	\$ 4,109,362
Developing			
Shore-based	\$ 60,700	\$ 40,693	\$ 26,958
Floating	\$ 23,970	\$ 30,946	\$ 905
<i>Total Tax</i>	\$37,432,905	\$37,573,931	\$33,170,003
Prepayments	\$ 1,278,117	\$ 1,765,854	\$ 1,049,143
Penalties and Interest	\$ 57,433	\$ 275,173	\$ 93,399
License Fees	\$ 18,850	\$ 15,700	\$ 15,275
Total Tax Before Credits	\$38,787,305	\$39,630,658	\$34,327,820
Less Credits			
Winn Brindle	(\$ 391,702)	(\$ 446,237)	(\$ 398,876)
Alaska Education	(\$ 154,375)	(\$ 150,375)	(\$ 500)
Total Receipts	\$38,241,228	\$39,034,046	\$33,928,444
Less Fisheries Tax Shared			
Department of Revenue	(\$18,484,572)	(\$18,600,221)	(\$16,344,252)
Department of Community and Regional Affairs	(\$ 1,218,869)	(\$ 849,798)	(\$ 837,572)
Amount Retained by State	\$18,537,787	\$19,584,027	\$16,746,620
Fishery Resource Landing Tax (tax effective 1/1/94)			
Tax Before Credits	\$ 5,291,451	\$ 6,314,146	\$ 0
Estimated Payments	\$ 1,813,521	\$ 457,413	\$ 102,424
Penalties and Interest	\$ 42,883		
Less Community Development Quota Credits	(\$ 9,979)	(\$ 87,401)	\$ 0
Total Receipts	\$ 7,137,876	\$ 6,684,158	\$ 102,424
Less Landing Tax Subject to Sharing*			
Department of Revenue		(\$ 2,888,499)	NA
Department of Community and Regional Affairs		(\$ 89,195)	NA
Amount to be Retained by State		\$ 3,706,464	\$ 102,424
Salmon Enhancement Tax			
Tax by Aquacultural Region			
Southern Southeast	\$ 1,742,377	\$ 1,747,633	\$ 1,813,247
Kodiak	\$ 1,096,604	\$ 758,812	\$ 796,821
Northern Southeast	\$ 906,483	\$ 1,651,425	\$ 1,088,658
Prince William Sound	\$ 691,893	\$ 560,927	\$ 434,271
Cook Inlet	\$ 503,716	\$ 728,696	\$ 610,053
Chignik	\$ 288,576	\$ 216,847	\$ 196,101
<i>Total Tax</i>	\$ 5,229,649	\$ 5,664,340	\$ 4,939,151
Penalties and Interest	\$ 6,289	\$ 25,180	\$ 15,064
Total Receipts	\$ 5,235,938	\$ 5,689,520	\$ 4,954,215
Salmon Marketing Tax			
Tax	\$ 4,766,239	\$ 4,689,746	\$ 3,011,895
Penalties and Interest	\$ 38,177	\$ 20,864	\$ 7,048
Total Receipts	\$ 4,804,416	\$ 4,710,610	\$ 3,018,943
Seafood Marketing Assessment Tax			
Fisheries Business Tax	\$ 3,201,579	\$ 3,224,109	\$ 2,718,316
Fishery Resource Landing Tax	\$ 565,879	\$ 617,838	NA
Penalties and Interest	\$ 10,249	\$ 17,933	\$ 6,909
Total Receipts**	\$ 3,777,707	\$ 3,859,880	\$ 2,725,225

Notes: All data supplied by the Alaska Department of Revenue, Income and Excise Audit Division, Juneau.

FY 96 revenues are really taxes collected during the prior calendar year; i.e., FY 96 reported tax revenues were from tax collections during the 1995 fishing season.

* The Department of Revenue has deferred sharing of amounts to municipalities pending the outcome of litigation concerning the constitutionality of the Fishery Resource Landing Tax.

** FY 96 reflects half-year revenues.

Table 10. Fisheries business tax shared revenues, in thousands of U.S. dollars, in 1995 (FY 96).

Region/Borough/Municipality	Shared Revenue		Shared Revenue
Southeast Region			
Boroughs		Municipalities	
City/Borough of Juneau	\$ 73	Angeon	\$ 0
City/Borough of Sitka	\$ 647	Craig	\$ 36
City/Borough of Yakutat	\$ 162	Haines, City of	\$ 1
Haines Alaska Borough	\$ 247	Hoonah	\$ 103
Ketchikan Gateway Borough	\$ 335	Hydaburg	\$ 6
		Kake	\$ 59
<i>Borough Subtotal</i>	\$1,463	Kasaan	\$ 0
		Ketchikan	\$ 318
		Klawock	\$ 2
		Pelican	\$ 152
		Petersburg	\$ 854
		Tenakee Springs	\$ 0
		Wrangell	\$ 81
		<i>Municipality Subtotal</i>	\$1,614
<i>Regional Total:</i>	\$ 3,077		
Central Region			
Boroughs		Municipalities	
Bristol Bay Borough	\$2,940	Cordova	\$ 503
Kenai Peninsula Borough	\$ 580	Dillingham	\$ 269
Lake and Peninsula Borough	\$ 365	Egegik	\$ 125
Municipality of Anchorage	\$ 120	Homer, City of	\$ 68
		Kenai	\$ 89
<i>Borough Subtotal</i>	\$4,005	Pilot Point	\$ 40
		Seward	\$ 224
		Togiak	\$ 407
		Valdez	\$ 264
		Whittier	\$ 32
		<i>Municipality Subtotal</i>	\$2,020
<i>Regional Total:</i>	\$ 6,025		
Westward Region			
Boroughs		Municipalities	
Aleutians East Borough	\$1,368	Akutan	\$ 286
Kodiak Island Borough	\$1,226	Atka	\$ 11
		Chignik	\$ 100
<i>Borough Subtotal</i>	\$2,594	Clark's Point	\$ 166
		Cold Bay	\$ 1
		False Pass	\$ 67
		King Cove	\$ 371
		Kodiak, City of	\$ 685
		Larsen Bay	\$ 59
		Old Harbor	\$ 0
		Port Lions	\$ 2
		St. George	\$ 213
		St. Michael	\$ 10
		St. Paul	\$1,830
		Sand Point	\$ 159
		Unalaska	\$2,641
		<i>Municipality Subtotal</i>	\$6,602
<i>Regional Total:</i>	\$ 9,196		

— continued —

Table 10. Page 2 of 2.

Region/Borough/Municipality	Shared Revenue		Shared Revenue
Arctic-Yukon-Kuskokwim Region			
Boroughs		Municipalities	
Fairbanks North Star Borough	\$ 0	Aniak	\$ 4
<i>Borough Subtotal</i>	<i>\$ 0</i>	Bethel	\$ 3
		Emmonak	\$ 44
		Fairbanks	\$ 0
		Galena	\$ 6
		Goodnews Bay	\$ 3
		Hooper Bay	\$ 8
		Kaltag	\$ 3
		Mekoryuk	\$ 16
		Nenana	\$ 2
		Nome	\$ 15
		North Pole	\$ 0
		Shaktoolik	\$ 50
		Toksook Bay	\$ 1
		Tununak	\$ 3
		Unalakleet	\$ 29
		<i>Municipality Subtotal</i>	<i>\$ 187</i>
<i>Regional Total:</i>	<i>\$ 187</i>		
Statewide Total:	\$18,485		

Data Source: Alaska Department of Revenue, Income and Excise Audit Division, Juneau.

Table 11. Estimated value of commercial fishery entry permits during 1995.

Fishery/Type	Southeast	Yakutat	Prince William Sound	Cook Inlet	Kodiak	Chignik	Alaska Peninsula	Bristol Bay	Lower Yukon	Upper Yukon	Kuskokwim	Norton Sound	Kotzebue
Herring*													
Purse Seine	\$175,000		\$59,200	\$74,600	\$88,000							\$13,600	
Gillnet	\$ 31,800		\$64,300		\$25,100								
Spawn on Kelp/Pound			\$22,000					\$ 4,400					
Sablefish*													
Longline — NSE-C61A	\$218,000												
Longline — SSE-C61C	\$120,000												
Crab*													
K49A	\$106,300												
K69A	\$179,400												
Salmon													
Purse Seine	\$ 75,900		\$64,300	\$90,800	\$50,400	\$228,300	\$182,800						
Beach Seine					\$18,000								
Drift Gillnet	\$ 70,800		\$69,000	\$85,500			\$305,200	\$195,000					
Set Gillnet		\$49,600	\$63,000	\$30,300	\$92,600		\$109,300	\$ 42,200					
Gillnet									\$23,000	\$10,000	\$12,000	\$ 7,200	\$ 4,400
Troll — S05B	\$ 7,500												
Troll — S15B	\$ 28,300												
Fish Wheel										\$ 6,900			

Data Source: Commercial Fisheries Entry Commission. The estimated values listed were obtained from data collected during the Commercial Fisheries Entry Commission's transfer study.

* The following fisheries are not reported because there have been a sufficient number of transfers to meet Commercial Fisheries Entry Commission confidentiality requirements:

Crab Pots: Southeast K19A, K29A, K39A, K59A, T19A

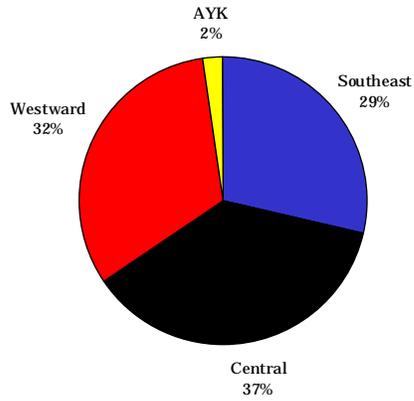
Herring Gillnet: Nelson Island, Nunivak Island, Lower Yukon

Herring Beach Seine: Norton Sound

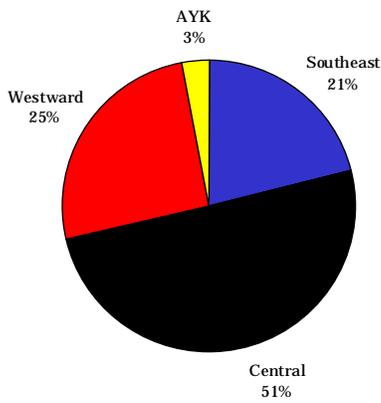
Sablefish Pots: Southern Southeast

Salmon

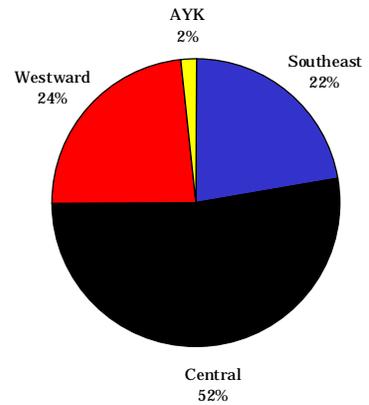
Harvest by Volume



Exvessel by Value



Production by Value



Production by Volume

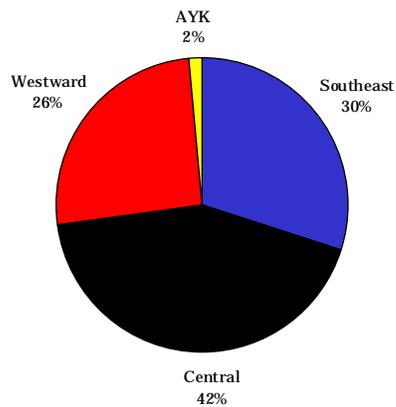
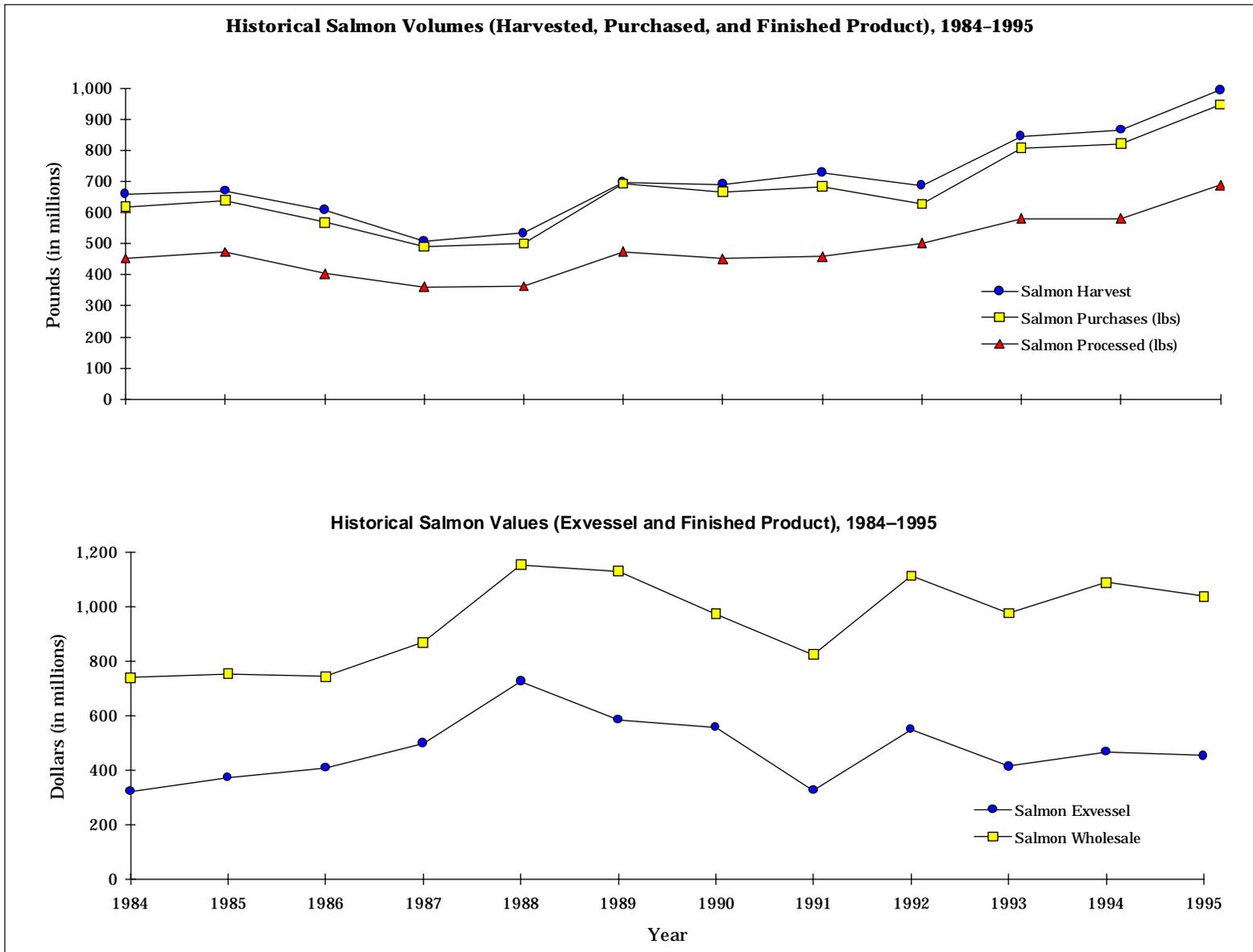


Figure 3. Percent contribution (by region) of harvests, values, and volumes of Alaska's commercial salmon fisheries in 1995.

Table 12. Number of salmon limited entry/interim-use permits issued/renewed in 1995, by region, area, gear, and residency.

Salmon Fishery Region/Area	Gear and Residency Status											
	Seine (purse + beach)		Drift Gillnet		Set Gillnet		Fish Wheel		Troll (hand + power)		Area Totals	
	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents
Statewide												
Statewide									2,130 364		2,130 364	
<i>Statewide Subtotal</i>	—	—	—	—	—	—	—	—	2,130	364	2,130	364
Southeast												
General	185	233	347	136							532	369
Yakutat					137	34					137	34
<i>Southeast Subtotal</i>	185	233	347	136	137	34	—	—	—	—	669	403
Central												
Bristol Bay			969	919	762	257					1,731	1,176
Cook Inlet	77	7	393	189	623	122					1,093	318
Prince William Sound	190	78	398	144	28	2					616	224
<i>Central Subtotal</i>	267	85	1,760	1,252	1,413	381	—	—	—	—	3,440	1,718
Westward												
Alaska Peninsula	97	27	92	72	91	23					280	122
Atka/Amlia Island					10	—					10	0
Chignik	82	18									82	18
Kodiak	321	99			137	52					458	151
<i>Westward Subtotal</i>	500	144	92	72	238	75	—	—	—	—	830	291
Arctic-Yukon-Kuskokwim												
Kotzebue					208	7					208	7
Kuskokwim					827	5					827	5
Lower Yukon					699	8					699	8
Upper Yukon					70	3	162	4			232	7
Norton Sound					198	1					198	1
<i>AYK Subtotal</i>	—	—	—	—	2,002	24	162	4	—	—	2,164	28
Statewide Gear Totals	952	462	2,199	1,460	3,790	514	162	4	2,130	364	9,233	2,804



Data Sources: Historical Fish Ticket Database and Alaska Commercial Operator Annual Reports, 1984–1995.

Figure 4. Salmon volume and value trends, 1984–1995.

Table 13(a). Salmon harvests, in thousands of fish, 1986–1995.

Species	Year									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Chinook	616	680	589	572	666	614	605	670	633	662
Chinook <21 inches	1	2	1	4	4	6	2	5	7	2
Sockeye	32,208	35,431	30,038	44,139	52,693	44,646	58,283	64,311	52,419	63,532
Coho	6,293	3,493	4,473	4,650	5,478	6,156	7,094	6,070	9,546	6,471
Pink	77,320	46,493	50,358	96,869	88,208	128,339	60,518	109,793	116,721	128,333
Chum	12,510	10,527	15,105	7,896	8,010	9,769	10,223	12,266	16,564	18,796
State Total	128,949	96,626	100,564	154,129	155,058	189,530	136,725	193,114	195,890	217,796

Data Source: TIX

Table 13(b). Salmon harvests, in thousands of pounds, 1986–1995.

Species	Year									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Chinook	11,714	13,285	10,916	11,314	11,481	10,747	10,770	11,355	11,526	12,673
Chinook <21 inches	5	7	5	21	16	28	11	15	29	9
Sockeye	194,564	224,832	188,553	260,672	305,521	255,652	343,260	378,578	292,091	350,493
Coho	46,607	25,312	35,458	33,178	40,019	43,939	53,801	38,565	75,235	49,818
Pink	259,303	164,812	177,900	331,468	271,866	349,319	203,693	335,174	364,848	435,481
Chum	97,094	80,363	121,653	61,628	62,722	69,695	76,155	83,164	122,557	145,667
State Total	609,287	508,612	534,486	698,281	691,626	729,379	687,690	846,851	866,285	994,141

Data Source: TIX

Note: Neither table includes roe.

Table 14. Average salmon weights, in pounds, 1995.

Region/Area	Chinook	Sockeye	Coho	Pink	Chum
Southeast					
Southeast	16.4	5.5	7.6	3.3	8.4
<i>Southeast Subtotal</i>	16.4	5.5	7.6	3.3	8.4
Central					
Bristol Bay	19.8	5.5	6.7	3.6	6.3
Cook Inlet	24.6	5.6	6.5	2.9	7.2
Prince William Sound	24.0	5.7	9.4	3.6	7.9
<i>Central Subtotal</i>	22.8	5.6	7.5	3.3	7.1
Westward					
Alaska Peninsula	19.8	5.4	6.7	3.6	7.0
Chignik	20.2	6.7	7.3	3.6	7.4
Kodiak	13.8	5.1	8.0	3.5	7.5
<i>Westward Subtotal</i>	17.9	5.7	7.3	3.6	7.3
Arctic-Yukon-Kuskokwim					
Kotzebue	18.6				8.0
Kuskokwim	17.3	6.9	7.1	3.7	6.9
Norton Sound	19.7	7.2	7.4	2.4	6.8
Yukon	21.2		6.9		6.8
<i>AYK Subtotal</i>	19.2	7.0	7.2	3.0	7.1
Statewide Total	19.1	6.0	7.4	3.3	7.5

Data Source: TIX

Table 15. Salmon permits fished and number of landings, by species, region, and area, 1995.

Region/Area	Roe		Chinook		Chinook <21"		Sockeye		Coho		Pink		Chum	
	Permits	Landings	Permits	Landings	Permits	Landings	Permits	Landings	Permits	Landings	Permits	Landings	Permits	Landings
Southeast														
Southeast	610	3,113	2,407	12,746	177	435	2,760	29,106	3,178	33,990	2,416	24,976	2,949	32,876
<i>Southeast Subtotal</i>	610	3,113	2,407	12,746	177	435	2,760	29,106	3,178	33,990	2,416	24,976	2,949	32,876
Central														
Bristol Bay			1,762	11,716			2,904	65,477	583	2,273	176	383	2,844	60,384
Cook Inlet			771	4,443			1,249	17,225	1,225	14,005	1,211	12,328	1,112	10,034
Prince William Sound	7	108	589	5,856			731	16,853	701	9,910	592	6,132	696	8,435
<i>Central Subtotal</i>	7	108	3,122	22,015	—	—	4,884	99,555	2,509	26,188	1,979	18,843	4,652	78,853
Westward														
Alaska Peninsula			407	4,076			443	15,729	460	6,472	366	7,043	396	11,570
Chignik			99	1,115			101	5,090	100	2,661	100	3,459	100	3,189
Kodiak			429	3,921			493	21,580	485	11,065	492	21,231	492	20,070
<i>Westward Subtotal</i>	—	—	935	9,112	—	—	1,037	42,399	1,045	20,198	958	31,733	988	34,829
Arctic-Yukon-Kuskokwim														
Kotzebue			3	4									92	1,349
Kuskokwim			782	6,829			785	8,484	772	6,746	172	257	794	9,048
Norton Sound			74	958			36	81	86	1,283	55	357	100	2,050
Yukon	147	1,216	713	4,294					370	1,498			712	5,470
<i>AYK Subtotal</i>	147	1,216	1,572	12,085	—	—	821	8,565	1,228	9,527	227	614	1,698	17,917
Statewide Total	764	4,437	8,036	55,958	177	435	9,502	179,625	7,960	89,903	5,580	76,166	10,287	164,475

Data Source: TIX

Table 16. Salmon harvest numbers and volumes (pounds), in thousands, and average price per pound paid, by region, area, and gear, in 1995.

Region and Area by Gear	Roe		Chinook			Sockeye			Coho			Pink			Chum		
	Pounds	Price/lb.	Numbers	Pounds	Price/lb.	Numbers	Pounds	Price/lb.	Numbers	Pounds	Price/lb.	Numbers	Pounds	Price/lb.	Numbers	Pounds	Price/lb.
Southeast																	
<i>Ketchikan, Wrangell, Petersburg, Sitka, Juneau</i>																	
Dip Net	—	—	—	—	—	*	*	—	—	—	—	—	—	—	—	—	—
Purse Seine	70	\$4.13	58	911	\$0.72	935	5,221	\$1.20	843	6,446	\$0.52	45,084	142,164	\$0.21	8,287	65,966	\$0.37
Drift Gillnet	45	\$3.53	13	174	\$1.14	679	4,154	\$1.30	457	3,979	\$0.61	2,112	7,912	\$0.17	2,596	23,079	\$0.38
Hand Troll	14	\$0.83	14	229	\$1.96	2	9	\$1.29	145	1,050	\$0.87	64	216	\$0.20	21	160	\$0.37
Power Troll	87	\$0.87	121	2,039	\$1.94	26	124	\$1.31	1,605	11,221	\$0.87	650	2,212	\$0.20	256	1,916	\$0.36
Other/Unspecified Gear	—	—	*	*	—	—	—	—	—	—	—	—	—	—	—	—	—
<i>Yakutat</i>																	
Set Gillnet	*	\$3.53	9	180	\$1.14	154	884	\$1.30	295	2,853	\$0.61	54	231	\$0.17	3	20	\$0.38
Central																	
<i>Prince William Sound</i>																	
Purse Seine	117	\$4.15	1	12	\$0.75	109	593	\$0.90	109	935	\$0.41	15,795	56,308	\$0.19	303	2,342	\$0.30
Drift Gillnet	—	—	68	1,639	\$2.28	1,383	7,990	\$1.61	856	8,092	\$0.52	242	871	\$0.19	449	3,562	\$0.47
Set Gillnet	—	—	—	—	\$2.28	31	170	\$1.61	1	5	\$0.52	28	105	\$0.19	7	54	\$0.47
<i>Cook Inlet</i>																	
Purse Seine	—	—	—	—	\$0.85	225	1,034	\$1.11	10	69	\$0.47	2,807	8,128	\$0.18	12	70	\$0.24
Drift Gillnet	—	—	1	8	\$1.02	1,776	10,385	\$1.18	242	1,541	\$0.49	65	222	\$0.15	469	3,358	\$0.25
Set Gillnet	—	—	19	506	\$1.02	1,199	6,410	\$1.18	209	1,373	\$0.49	111	380	\$0.15	65	472	\$0.25
Hand Troll	—	—	—	—	—	—	—	\$1.18	*	*	\$0.60	—	—	—	—	—	—
Other/Unspecified Gear	—	—	*	*	—	*	*	\$1.18	*	*	\$0.50	*	*	—	*	*	—
Weir	—	—	—	—	—	*	*	—	*	*	\$0.08	—	—	—	—	—	—
<i>Bristol Bay</i>																	
Drift Gillnet	—	—	86	1,714	\$0.66	38,620	211,489	\$0.80	21	143	\$0.42	—	—	\$0.14	833	5,246	\$0.20
Set Gillnet	—	—	14	251	\$0.66	5,649	32,043	\$0.80	28	186	\$0.42	—	1	\$0.14	147	970	\$0.20
Westward																	
<i>Kodiak</i>																	
Purse Seine	—	—	17	231	\$0.70	2,967	14,870	\$1.07	265	2,123	\$0.41	38,520	133,328	\$0.17	1,288	9,643	\$0.28
Beach Seine	—	—	*	*	\$0.70	4	16	\$1.07	—	1	\$0.41	143	539	\$0.17	3	21	\$0.28
Set Gillnet	—	—	2	27	\$0.63	1,517	8,042	\$1.03	43	349	\$0.36	4,186	16,525	\$0.16	232	1,748	\$0.24
Other/Unspecified Gear	—	—	—	—	—	*	*	\$1.06	*	*	\$0.41	—	—	\$0.17	*	*	\$0.27
<i>Chignik</i>																	
Purse Seine	—	—	5	111	\$0.56	1,715	11,465	\$1.08	282	2,062	\$0.47	2,058	7,350	\$0.14	381	2,815	\$0.21
Other/Unspecified Gear	—	—	—	—	—	*	*	\$1.08	—	—	—	—	—	—	—	—	—
<i>Alaska Peninsula</i>																	
Purse Seine	—	—	13	289	\$0.71	1,543	7,946	\$1.12	194	1,197	\$0.43	15,576	55,944	\$0.16	1,409	9,926	\$0.22
Drift Gillnet	—	—	7	123	\$0.75	3,731	20,160	\$1.06	121	844	\$0.43	59	205	\$0.16	264	1,782	\$0.25
Set Gillnet	—	—	5	76	\$0.75	995	5,763	\$1.06	81	602	\$0.43	680	2,581	\$0.16	141	989	\$0.25
Other/Unspecified Gear	—	—	*	*	\$0.73	*	*	\$1.08	*	*	\$0.43	*	*	\$0.16	*	*	\$0.22
Arctic-Yukon-Kuskokwim																	
<i>Kuskokwim</i>																	
Set Gillnet	—	—	73	1,271	\$0.60	200	1,374	\$0.71	562	4,016	\$0.43	—	1	\$0.08	723	4,986	\$0.20
<i>Yukon</i>																	
Seine	48	\$3.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Set Gillnet	31	\$3.60	122	2,615	\$2.09	—	—	—	40	278	\$0.29	—	—	—	405	2,836	\$0.16
Fish Wheel	252	\$3.51	5	64	\$0.71	—	—	—	6	41	\$0.24	—	—	—	122	744	\$0.16
<i>Norton Sound</i>																	
Set Gillnet	—	—	9	175	\$0.66	—	1	\$0.50	48	356	\$0.43	82	198	\$0.18	43	290	\$0.18
<i>Kotzebue</i>																	
Set Gillnet	—	—	—	—	\$1.00	—	—	—	—	—	—	—	—	—	291	2,331	\$0.13

* Denotes confidential data that cannot be released per AS 16.05.815.

Table 17(a). Production volumes and values, in millions, of Alaska's commercial salmon fisheries, excluding roe, by species, area, and general process.

Region, Area, and Process	Salmon Species Processed									
	Chinook		Sockeye		Coho		Pink		Chum	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Southeast Region										
<i>Southeast</i>										
Fresh	785	\$2,202	503	\$ 778	1,218	\$ 1,901	4,621	\$ 1,532	8,217	\$ 5,271
Frozen	2,765	\$7,074	5,927	\$ 13,648	23,081	\$39,279	13,761	\$ 7,935	48,198	\$29,513
Canned	6	\$ 35	3,175	\$ 9,778	834	\$ 2,061	81,147	\$87,073	5,503	\$ 4,242
Other	6	\$ 38	166	\$ 984	32	\$ 192	414	\$ 1,255	102	\$ 486
Central Region										
<i>Prince William Sound</i>										
Fresh	938	\$2,861	879	\$ 2,644	1,085	\$ 1,570	1,144	\$ 870	1,005	\$ 923
Frozen	364	\$ 963	5,461	\$ 10,761	4,263	\$ 4,147	5,511	\$ 3,594	1,308	\$ 1,061
Canned	*	*	1,656	\$ 6,150	1,122	\$ 2,615	30,547	\$36,071	354	\$ 400
Other			*	*	*	*				
<i>Cook Inlet</i>										
Fresh	245	\$ 466	2,278	\$ 3,626	560	\$ 752	71	\$ 22	936	\$ 897
Frozen	778	\$2,853	12,860	\$ 27,544	2,541	\$ 3,245	5,640	\$ 2,517	19,663	\$ 4,285
Canned	5	\$ 40	2,247	\$ 6,623	20	\$ 79	8,617	\$21,858	124	\$ 147
Other	7	\$ 71	356	\$ 1,147	2	\$ 7	*	*	*	*
<i>Bristol Bay</i>										
Fresh	227	\$ 368	3,253	\$ 6,490	7	\$ 9			287	\$ 175
Frozen	1,200	\$1,742	124,896	\$211,042	390	\$ 420	*	*	2,707	\$ 1,186
Canned	50	\$ 98	31,888	\$ 93,581	2,863	\$ 7,048	*	*	1,006	\$ 1,124
Other	23	\$ 120	1,057	\$ 5,955	*	*	*	*	65	\$ 318
Westward Region										
<i>Kodiak</i>										
Fresh	*	*	60	\$ 175	*	*	*	*	373	\$ 334
Frozen	111	\$ 141	10,155	\$ 21,042	1,175	\$ 1,470	18,258	\$13,218	4,611	\$ 2,829
Canned	13	\$ 25	6,470	\$ 17,494	331	\$ 625	45,488	\$46,092	2,103	\$ 1,863
Other	*	*	*	*						
<i>Chignik</i>										
Fresh										
Frozen	78	\$ 102	8,168	\$ 16,847	1,153	\$ 1,329	2,663	\$ 1,146	1,712	\$ 1,072
Canned										
Other										
<i>Alaska Peninsula</i>										
Fresh										
Frozen	358	\$ 518	20,523	\$ 41,264	1,626	\$ 1,706	13,020	\$ 5,414	7,503	\$ 4,741
Canned			5,816	\$ 18,608	*	*	19,185	\$20,217	1,722	\$ 1,643
Other	*	*	*	*	*	*	*	*	*	*
<i>Aleutian Islands</i>										
Fresh										
Frozen			*	*						
Canned										
Other										
Arctic-Yukon-Kuskokwim Region										
<i>Arctic-Yukon-Kuskokwim</i>										
Fresh	155	\$ 257	*	*	*	*			265	\$ 218
Frozen	2,396	\$8,891	*	*	2,700	\$ 3,051	*	*	4,396	\$ 2,341
Canned										
Other										

Data Source: 1995 Alaska Commercial Operator Annual Reports

* Denotes confidential data that cannot be released per AS 16.05.815.

Table 17(b). Production volumes and values, in millions, of Alaska's commercial salmon fisheries, roe only, by species, area, and general process.

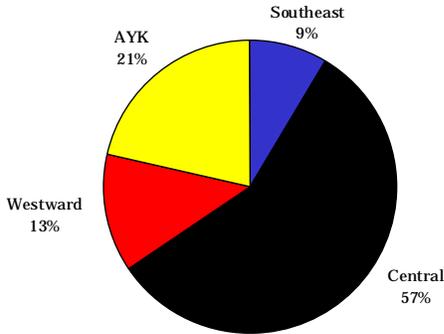
Region, Area, and Process	Species of Roe Processed									
	Chinook Roe		Sockeye Roe		Coho Roe		Pink Roe		Chum Roe	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Southeast Region										
<i>Southeast</i>										
Fresh	15	\$ 44	22	\$ 87	39	\$ 130	80	\$ 125	322	\$ 1,643
Frozen	9	\$ 43	55	\$ 281	127	\$ 597	91	\$ 308	686	\$ 6,070
Canned										
Other	18	\$ 76	64	\$ 263	250	\$1,227	1,081	\$2,608	2,503	\$20,052
Central Region										
<i>Prince William Sound</i>										
Fresh	*	*			*	*	*	*	*	*
Frozen										
Canned										
Other	37	\$245	165	\$ 1,160	200	\$ 830	1,321	\$3,808	205	\$ 1,231
<i>Cook Inlet</i>										
Fresh	40	\$172	212	\$ 1,333	45	\$ 201	109	\$ 550	180	\$ 607
Frozen										
Canned										
Other	12	\$ 54	381	\$ 2,164	61	\$ 319	433	\$ 919	135	\$ 643
<i>Bristol Bay</i>										
Fresh	12	\$ 46	514	\$ 2,790	*	*			30	\$ 119
Frozen	*	*	*	*					*	*
Canned										
Other	49	\$251	3,122	\$18,757	21	\$ 94			197	\$ 984
Westward Region										
<i>Kodiak</i>										
Fresh							*	*		
Frozen										
Canned										
Other	3	\$ 14	406	\$ 2,338	36	\$ 164	2,857	\$7,564	289	\$ 1,663
<i>Chignik</i>										
Fresh			*	*	*	*	*	*	*	*
Frozen	*	*	*	*	*	*	*	*	*	*
Canned										
Other	*	*	*	*	*	*	*	*	*	*
<i>Alaska Peninsula</i>										
Fresh										
Frozen										
Canned										
Other	12	\$ 52	627	\$ 4,462	41	\$ 212	1,140	\$3,383	347	\$ 1,789
<i>Aleutian Islands</i>										
Fresh										
Frozen										
Canned										
Other										
Arctic-Yukon-Kuskokwim Region										
<i>Arctic-Yukon-Kuskokwim</i>										
Fresh	*	*	*	*	*	*			305	\$ 1,203
Frozen	*	*			*	*			*	*
Canned										
Other	15	\$ 63			29	\$158	*	*	183	\$ 1,226

Data Source: 1995 Alaska Commercial Operator Annual Reports

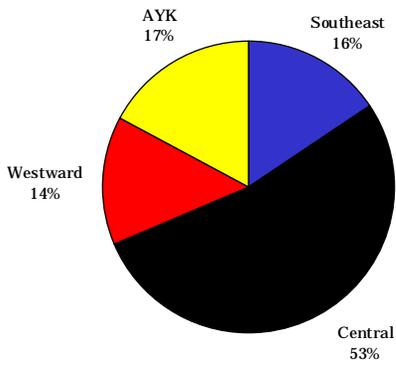
* Denotes confidential data that cannot be released per AS 16.05.815.

Herring

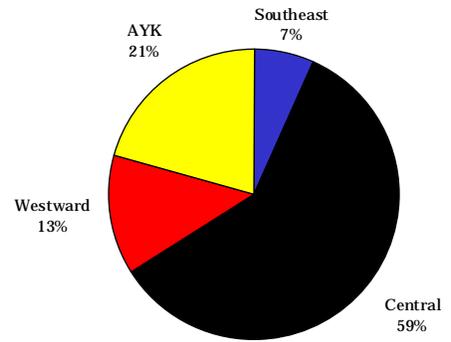
Harvest by Volume



Exvessel by Value



Production by Value



Production by Volume

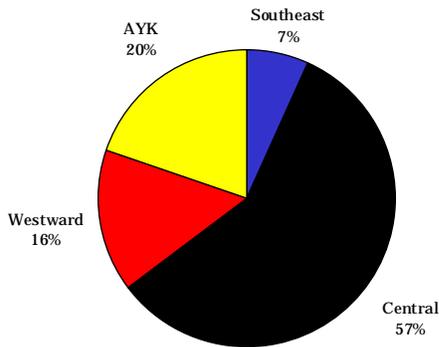
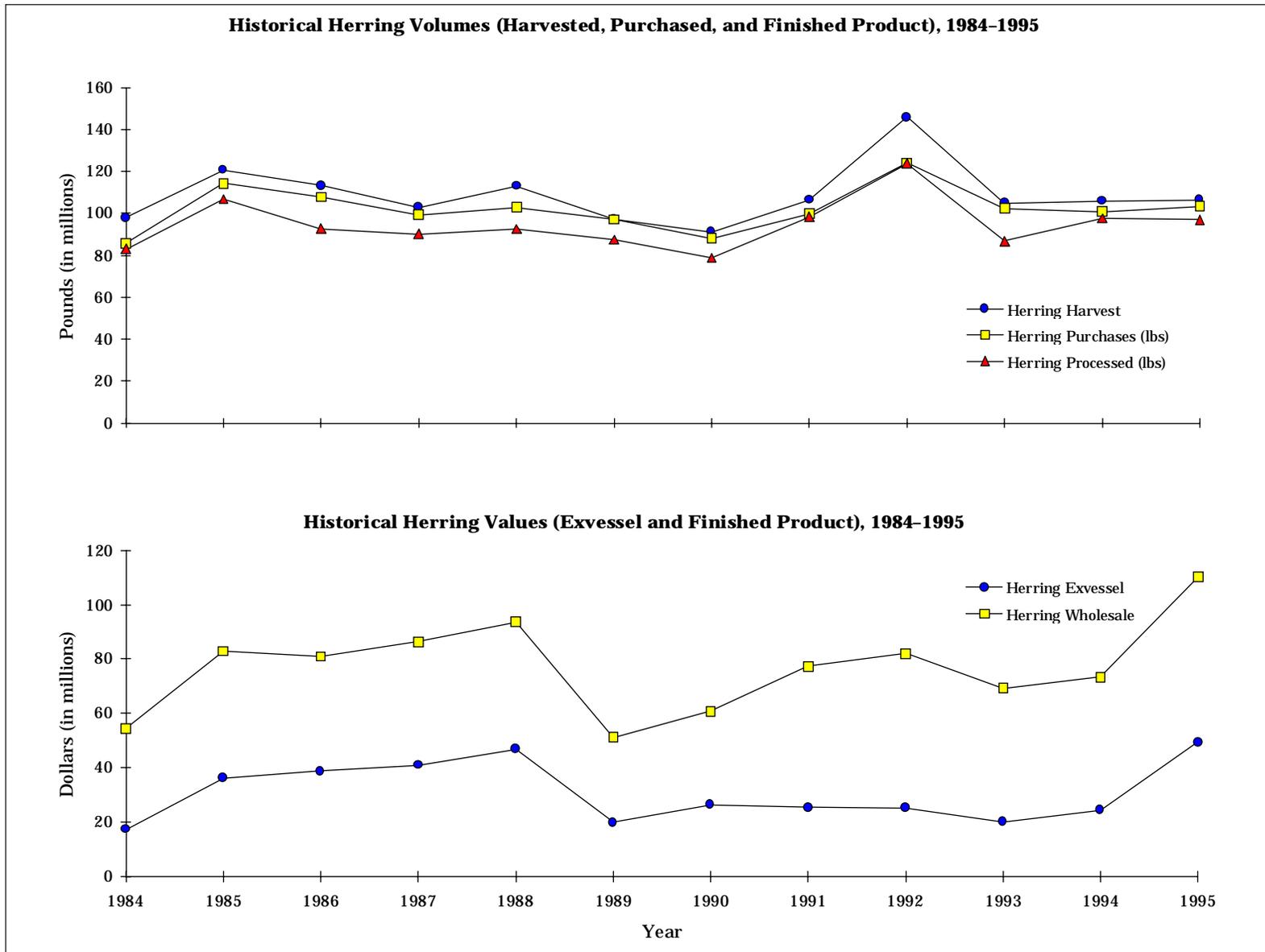


Figure 5. Percent contribution (by region) of harvests, values, and volumes of Alaska's commercial herring fisheries in 1995.

Table 18. Number of herring limited entry/interim-use permits issued/renewed in 1995, by region, area, gear, and residency.

Herring Region/Fishery	Gear and Residency Status											
	Seine (purse + beach)		Gillnet (herring)		Trawl		Pound		Hand-Picked		Area Totals	
	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents
Southeast												
Southeast Food/Bait	23	1									23	1
Southeast Sac Roe			76	45							76	45
Southern Southeast Roe on Kelp							177	5			177	5
Northern Southeast Food/Bait							4	—			4	—
Northern Southeast Sac Roe	37	14									37	14
Northern Southeast Roe on Kelp							118	19			118	19
<i>Southeast Subtotal</i>	60	15	76	45	—	—	299	24	—	—	435	84
Central												
Cook Inlet Food/Bait			11	—							11	—
Cook Inlet Sac Roe	52	25	34	1							86	26
Bristol Bay (Togiak) Sac Roe	282	86	358	166							640	252
Bristol Bay (Togiak) Roe on Kelp									297	4	297	4
Prince William Sound Food/Bait	3	—	1	—							4	—
Prince William Sound Sac Roe	86	20	21	3							107	23
Prince William Sound Roe on Kelp							103	25	26	2	129	27
<i>Central Subtotal</i>	423	131	425	170	—	—	103	25	323	6	1,274	332
Westward												
Alaska Peninsula Food/Bait	12	10									12	10
Alaska Peninsula Sac Roe	76	12	12	1							88	13
Chignik Food/Bait	1	—									1	—
Chignik Sac Roe	19	—									19	—
Kodiak Food/Bait	18	—	2	—	2	2					22	2
Kodiak Sac Roe	66	14	97	8							163	22
<i>Westward Subtotal</i>	192	36	111	9	2	2	—	—	—	—	305	47
Arctic-Yukon-Kuskokwim												
Kotzebue Food/Bait			2	—							2	—
Kotzebue Sac Roe	1	—	12	—							13	—
Cape Avinof Sac Roe			147	—								
Kuskokwim/Goodnews Bay Sac Roe			175	1								
Nelson Island Sac Roe			154	7								
Norton Sound Sac Roe	7	2	249	69							256	71
Nunivak Island Sac Roe			51	3							51	3
Security Cove Sac Roe			110	96							110	96
Lower Yukon/Cape Romanzof Sac Roe			83	3							83	3
<i>AYK Subtotal</i>	8	2	983	179	—	—	—	—	—	—	991	181
Statewide Gear Totals	683	184	1,595	403	2	2	402	49	323	6	3,005	644



Data Sources: Historical Fish Ticket Database and Alaska Commercial Operator Annual Reports, 1984–1995.

Figure 6. Herring volume and value trends, 1984–1995.

Table 19. Herring harvests, in short tons, 1986–1995.

Fishery	Year									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Roe On Kelp	314	352	463	280	438	498	726	480	205	195
Food/Bait	7,889	7,052	8,224	8,291	8,387	10,430	10,471	6,708	5,319	2,870
Sac Roe	48,378	44,070	47,740	39,981	36,759	42,245	62,170	45,858	47,530	50,170
State Total	56,581	51,473	56,427	48,552	45,584	53,172	73,367	53,046	53,054	53,235

Data Source: TIX

Table 20. Herring landings and effort, by region and area, 1995.

Region/Area	With Sac Roe		Roe On Kelp		Bait		Food		Total	
	Permits	Landings	Permits	Landings	Permits	Landings	Permits	Landings	Permits	Landings
Southeast										
Southeast	242	269	271	277	9	15			522	561
Central										
Cook Inlet	60	98							60	98
Bristol Bay	569	2,310	188	304	3	3			760	2,617
Westward										
Kodiak	143	922			37	59			180	981
Chignik	5	17			5	16			10	33
Alaska Peninsula	13	39			16	23	1	1	30	63
Arctic-Yukon-Kuskokwim										
Kuskokwim	439	2,289			5	5			444	2,294
Kotzebue					8	41			8	41
Yukon	49	374							49	374
Norton Sound	215	1,586			39	53			254	1,639

Data Source: TIX

Table 21. Herring harvest volumes (in short tons) and price per ton, by region, area, and gear, in 1995.

Region and Area by Gear	Bait		Sac Roe		Roe on Kelp		Food	
	Tons	Price/Ton	Tons	Price/Ton	Tons	Price/Ton	Tons	Price/Ton
Southeast								
<i>Ketchikan (Kah Shakes)</i>								
Purse Seine	124	\$ 260	—	—	—	—	—	—
Herring Gillnet	—	—	624	\$2,032	—	—	—	—
Pound	—	—	—	—	25	\$39,780	—	—
<i>Petersburg</i>								
Purse Seine	398	\$ 288	31	\$2,012	—	—	—	—
<i>Sitka</i>								
Purse Seine	70	\$ 260	2,908	\$1,352	—	—	—	—
Pound	—	—	—	—	29	\$51,252	—	—
<i>Juneau</i>								
Herring Gillnet	—	—	319	\$1,952	—	—	—	—
Central								
<i>Cook Inlet</i>								
Purse Seine	—	—	3,374	\$1,238	—	—	—	—
<i>Togiak</i>								
Purse Seine	*	\$ 50	19,715	\$ 830	—	—	—	—
Hand-Picked	—	—	—	—	141	\$ 2,446	—	—
Herring Gillnet	*	—	6,991	\$ 870	—	—	—	—
Westward								
<i>Kodiak</i>								
Purse Seine	190	\$ 478	3,816	\$1,318	—	—	—	—
Single Otter Trawl	165	\$ 400	—	—	—	—	—	—
Herring Gillnet	5	\$ 400	762	\$1,472	—	—	—	—
<i>Chignik</i>								
Purse Seine	11	\$ 50	66	\$1,000	—	—	—	—
<i>Alaska Peninsula</i>								
Purse Seine	1,485	\$ 312	400	\$ 412	—	—	*	\$312
Other/Unspecified Gear	*	\$ 312	—	—	—	—	—	—
Arctic-Yukon-Kuskokwim								
<i>Goodnews Bay</i>								
Herring Gillnet	—	—	1,051	\$ 860	—	—	—	—
<i>Nelson Island</i>								
Herring Gillnet	—	—	1,112	\$ 800	—	—	—	—
<i>Nunivak Island</i>								
Herring Gillnet	7	\$ 500	33	\$ 758	—	—	—	—
<i>Cape Avinof</i>								
Herring Gillnet	—	—	1,257	\$ 766	—	—	—	—
<i>Yukon</i>								
Herring Gillnet	—	—	541	\$ 778	—	—	—	—
<i>Norton Sound</i>								
Beach Seine	*	\$ 50	614	\$ 690	—	—	—	—
Herring Gillnet	109	\$ 50	6,033	\$ 730	—	—	—	—
<i>Kotzebue</i>								
Beach Seine	*	\$1,200	—	—	—	—	—	—
Herring Gillnet	7	\$1,218	—	—	—	—	—	—

* Denotes confidential data that cannot be released per AS 16.05.815.

Table 22. Production volumes and values of Alaska's commercial herring fisheries, by species, area, and general process. Volumes are in short tons and values are in thousands of U.S. dollars.

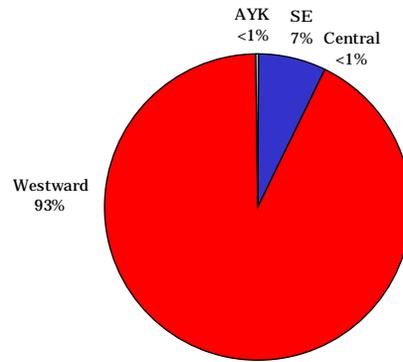
Region, Area, and Process	Species Processed											
	Herring Byproducts		Herring Roe on Kelp		Herring Roe Only		Bait Herring		Herring with Sac Roe		Food Herring	
	Short Tons	Value	Short Tons	Value	Short Tons	Value	Short Tons	Value	Short Tons	Value	Short Tons	Value
Southeast Region												
<i>Southeast</i>												
Fresh			*	*					*	*		
Frozen			*	*	*	*	527	\$450	\$ 2,390	\$ 5,967	*	*
Other			*	*								
Central Region												
<i>Prince William Sound</i>	No Fishery		No Fishery		No Fishery		No Fishery		No Fishery		No Fishery	
<i>Cook Inlet</i>												
Fresh					*	*	*	*	*	*		
Frozen									\$ 1,132	\$ 2,778		
Other									*	*		
<i>Bristol Bay</i>												
Fresh	*	*	*	*	*	*						
Frozen	*	*			*	*			\$24,455	\$54,937		
Other			*	*	*	*			*	*		
Westward Region												
<i>Kodiak</i>												
Frozen					*	*	94	\$ 74	\$ 4,979	\$10,802	209	\$800
Other					*	*						*
<i>Chignik</i>												
Frozen							*	*	*	*		
<i>Alaska Peninsula</i>												
Fresh	*	*										
Frozen	*	*					1,090	\$860	\$ 471	\$ 520	*	*
<i>Dutch Harbor</i>												
Frozen			*	*			*	*				
Other												
Arctic-Yukon-Kuskokwim Region												
<i>Arctic-Yukon-Kuskokwim</i>												
Frozen	*	*			*	*			\$ 8,735	\$19,987	*	*
Other												

Data Source: 1995 Alaska Commercial Operator Annual Reports

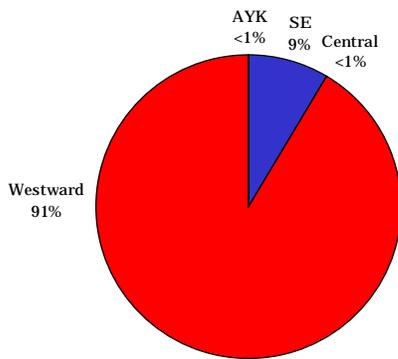
* Denotes confidential data that cannot be released per AS 16.05.815.

Crab

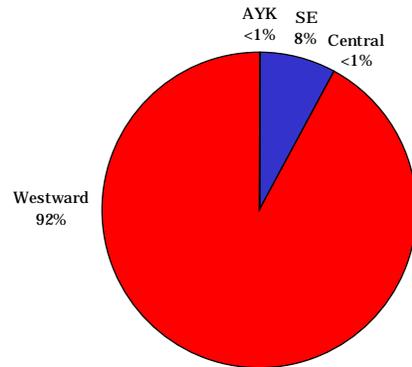
Harvest by Volume



Exvessel by Value



Production by Value



Production by Volume

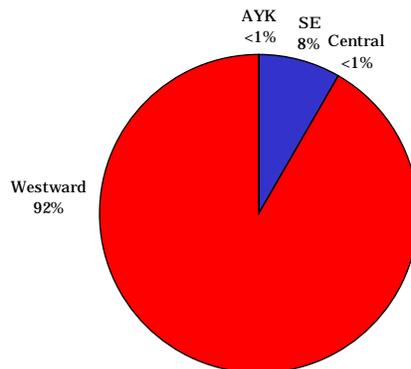
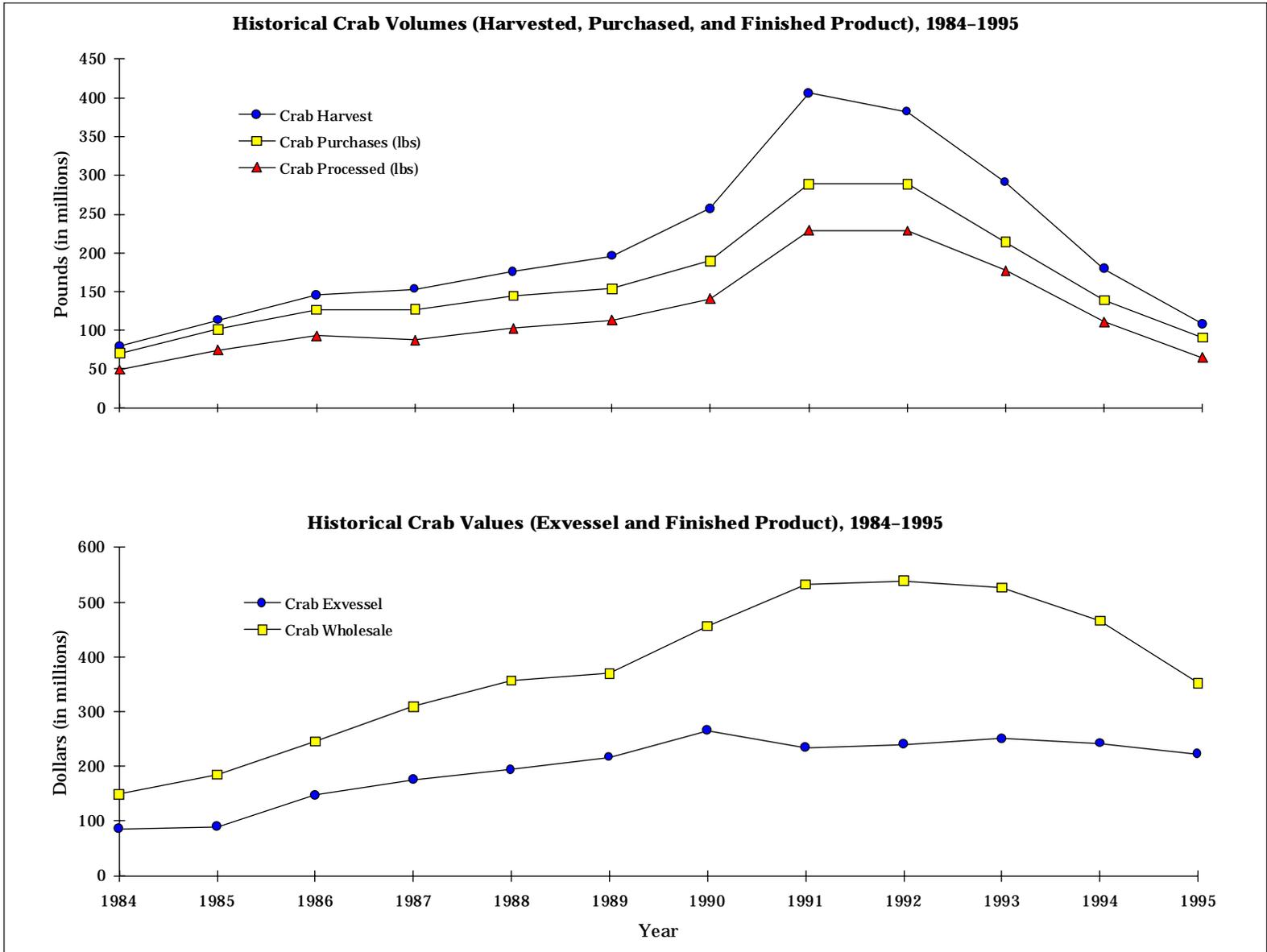


Figure 7. Percent contribution (by region) of harvests, values, and volumes of Alaska's commercial crab fisheries in 1995.

Table 23. Number of crab limited entry/interim-use permits issued/renewed in 1995, by region, area, gear, and residency.

Crab Region/Fishery	Gear and Residency Status															
	Dungeness (Pots)		Dungeness (Ring Nets)		Dungeness (Dive)		Tanner (Pots)		Tanner (Ring Nets)		King Crab (Pots)		Miscellaneous Crab (Pots)		Area Totals	
	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.
Southeast																
General Southeast	224	20					8	3	129	1					361	24
Northern Southeast	15	2	3	—	2	—									20	2
Yakutat	31	35					18	4			6	1			55	40
SE (brown king and Tanner)											2	1			2	1
Southeast (brown only)											4	—			4	—
Southeast (red/blue king)											4	—			4	—
SE (red/blue/brown king)											3	—			3	—
SE (red/blue king and Tanner)											27	1			27	1
SE (red/blue/brown king and Tanner)											50	2			50	2
<i>Southeast Subtotal</i>	270	57	3	—	2	—	26	7			96	5	—	—	526	70
Central																
Prince William Sound	4	—													4	—
Cook Inlet	22	—					26	—			1	—			49	—
<i>Central Subtotal</i>	26	—	—	—	—	—	26	—			1	—	—	—	53	—
Westward																
General Westward	61	11													61	11
Kodiak							15	—			5	1			20	1
Dutch Harbor							2	13			5	14			7	27
Alaska Peninsula	11	—					5	9			3	—			19	9
Adak							1	10			16	39			17	49
Bering Sea							99	242			103	143			202	385
Bristol Bay											19	3			19	3
<i>Westward Subtotal</i>	72	11	—	—	—	—	122	274			151	200	—	—	345	485
Arctic-Yukon-Kuskokwim																
Kotzebue											1	—			1	—
Norton Sound											162	13			162	13
<i>AYK Subtotal</i>	—	—	—	—	—	—	—	—			163	13	—	—	163	13
Statewide																
Statewide													14	20	14	20
<i>Statewide Subtotal</i>	—	—	—	—	—	—	—	—			—	—	14	20	14	20
Statewide Gear Totals	368	68	3	—	2	—	174	281	—	—	411	218	14	20	1,101	588



Data Sources: Historical Fish Ticket Database and Alaska Commercial Operator Annual Reports, 1984-1995.

Figure 8. Crab volume and value trends, 1984-1995.

Table 24. Crab harvests, in thousands of pounds, 1986–1995, deadloss excluded.

Crab Species	Year									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Box		*								
Dungeness	5,957	9,379	10,570	7,667	8,145	9,062	6,215	5,079	4,578	5,634
Red King	12,508	13,545	9,390	11,244	21,221	18,082	9,519	18,350	2,235	1,679
Blue King	1,226	1,767	1,317	1,166	1,708	3,156	2,476	3,008	3,724	4,428
Golden (brown) King	14,065	15,128	10,284	11,812	11,249	6,939	7,326	5,658	7,082	8,296
Scarlet King			*				*		14	85
Tanner (general)	*	8	5				15	*		
Tanner (bairdi)	14,876	11,884	13,540	15,627	54,831	42,994	41,623	27,171	11,574	6,661
Snow (opilio)	96,583	100,925	130,818	147,645	160,025	325,183	312,976	229,213	147,993	74,023
Tanner (tanneri)			*				*	785	1,261	2,847
Tanner (angulatus)										245
Hair	14	23	3	*	*	385	1,356	1,439	1,904	1,986
Total	145,251	152,650	175,936	195,161	257,179	405,802	381,513	290,705	180,365	105,903

Data Source: TIX

Totals might not add up due to rounding and censored data.

* Denotes confidential data that cannot be released per AS 16.05.815.

Table 25. Average crab weights, by species, region, and area, 1995.

Region/Area	Dungeness	King Crab				Tanner Crab				Hair
		Red	Blue	Golden	Scarlet	Bairdi	Snow	Tanneri	Angulatus	
Southeast										
Southeast	2.07	7.32	7.42	7.35		2.46		3.78		
Central										
Cook Inlet	1.73									
Westward										
Bering Sea		8.10	5.43	4.43	2.41	2.21	1.25	2.10	1.12	1.38
Bristol Bay	2.10	5.52	7.58	5.03		2.25	1.22	2.55	1.19	
Aleutian Islands		5.65		4.12	2.51		1.12	1.89		
Kodiak	2.04			6.08						
Alaska Peninsula	1.97							1.57		
Dutch Harbor	2.07			4.61	2.21	2.15		1.72	1.16	
Arctic-Yukon-Kuskokwim										
Norton Sound		2.97								

Data Source: TIX

Table 26. Crab permits fished and landings, by species, region, and area, 1995.

Region/Area	Dungeness Crab		King Crab								Tanner Crab								Hair Crab	
	Permits	Landings	Red		Blue		Golden (brown)		Scarlet		Bairdi		Snow		Tanneri		Angulatus		Permits	Landings
Southeast																				
Southeast	266	3,038	87	219	25	54	26	70			192	505			3	3				
Central																				
Cook Inlet	2	13																		
Westward																				
Bering Sea	7	18	121	155	216	272	14	27	5	25	36	39	275	833	12	50	7	26	25	81
Bristol Bay			2	3	1	1	1	1			173	226	29	58	4	6	4	5		
Aleutian Islands			4	11			51	226	8	18			1	1	8	18				
Kodiak	26	106					2	2												
Alaska Peninsula	1	3													9	35				
Dutch Harbor	2	2					18	42	3	7	1	1			13	55	4	13		
Arctic-Yukon-Kuskokwim																				
Norton Sound			163	1,010																

Data Source: TIX

Table 27. Crab harvest volumes (in thousands of pounds) and average price per pound paid, by region, area, and gear, 1995.

Region and Area by Gear	Dungeness		King								Tanner								Hair	
	Pounds	Price/lb.	Red		Blue		Golden (brown)		Scarlet		Bairdi		Snow		Tanneri		Angulatus		Pounds	Price/lb.
Southeast																				
<i>Ketchikan</i>																				
Pot Gear	77	\$1.41																		
Dive/Hand Pick	*	\$1.35																		
Ring Nets											*	\$3.80								
<i>Petersburg/Wrangell</i>																				
Pot Gear	3,056	\$1.64	174	\$4.27	*	\$3.44	24	\$3.74			441	\$3.80								
Dive/Hand Pick	*	\$1.35																		
Ring Nets	*	\$1.75									54	\$3.79								
<i>Sitka</i>																				
Pot Gear	201	\$1.74	13	\$4.32			*	\$3.50			62	\$3.79			*	\$1.00				
Dive/Hand Pick	*	\$1.10																		
Ring Nets											1	\$3.81								
<i>Juneau</i>																				
Pot Gear	1,017	\$1.70	170	\$4.21	5	\$3.47	13	\$3.65			1,931	\$3.83								
Ring Nets											19	\$3.80								
<i>Yakutat</i>																				
Pot Gear	525	\$1.70	*	\$3.80	*	\$5.17					107	\$3.30			*	\$1.61				
Central																				
<i>Cook Inlet</i>																				
Pot Gear	*	\$2.20																		
Westward																				
<i>Bering Sea</i>																				
Pot Gear		\$1.53	883	\$3.82	4,397	\$2.49	359	\$2.98	26	\$1.61	295	\$2.90	70,758	\$2.36	920	\$1.61	29	\$1.43	1,986	\$2.74
<i>Bristol Bay</i>																				
Pot Gear	134	\$1.53	*	\$3.82							3,899	\$2.90	3,161	\$2.36	20	\$1.61	20	\$1.43		
<i>Adak</i>																				
Pot Gear			36	\$2.69			5,967	\$2.97	47	\$1.60			*	\$1.61	129	\$1.61				
<i>Kodiak</i>																				
Pot Gear	527	\$1.74					*	\$3.63												
<i>Alaska Peninsula</i>																				
Pot Gear	*	\$1.75													923	\$1.61				
<i>Dutch Harbor</i>																				
Pot Gear	*	\$1.25					1,927	\$2.89	*	\$1.60	*	\$2.71			849	\$1.61	196	\$1.54		
Arctic-Yukon-Kuskokwim																				
<i>Norton Sound</i>																				
Pot Gear			344	\$2.86																

* Denotes confidential data that cannot be released per AS 16.05.815.

Crab Permits, Landings, Volumes, and Price Per Pound Paid

Table 28. Production volumes and values (in thousands of pounds and U.S. dollars) of Alaska's commercial crab fisheries, by species, area, and general process.

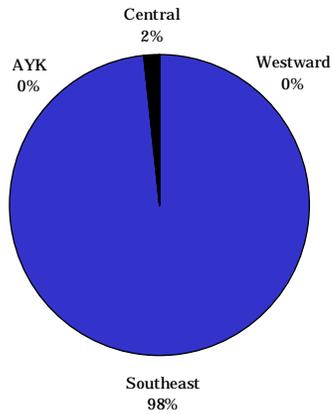
Region, Area, and Process	Crab Species Processed																		
	Dungeness		King						Tanner				Hair						
	Pounds	Value	Red		Blue		Golden (brown)		Scarlet		Bairdi		Snow		Tanneri		Pounds	Value	
		Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value		
Southeast Region																			
<i>Southeast</i>																			
	Fresh	126	\$ 391	*	*			*	*			*	*						
	Frozen	2,462	\$9,027	78	\$ 801	*	*	16	\$ 135			892	\$6,834						
	Other	800	\$1,693	143	\$1,504	*	*	*	*			692	\$5,717						
Central Region																			
<i>Prince William Sound</i>																			
	Fresh	*	*																
	Frozen	*	*																
	Other	*	*																
<i>Cook Inlet</i>																			
	Other			*	*							*	*				*	*	
Westward Region																			
<i>Bering Sea</i>																			
	Fresh			*	*							*	*				*	*	
	Frozen			303	\$3,215	1,844	\$10,686	260	\$1,356	*	*	1,156	\$7,305	28,082	\$146,769	*	*	1,264	\$7,260
	Other											*	*				*	*	
<i>Bristol Bay</i>																			
	Frozen																		
<i>Aleutian Islands</i>																			
	Frozen			*	*			*	*								*	*	
<i>Kodiak</i>																			
	Fresh	*	*									*	*						
	Frozen	*	*	*	*	*	*	*	*			*	*	*	*				
	Other											*	*						
<i>Alaska Peninsula</i>																			
	Fresh											*	*						
	Frozen			*	*	*	*	*	*			*	*	*	*	*	*	*	
<i>Dutch Harbor</i>																			
	Fresh											*	*	*	*				
	Frozen	*	*	446	\$4,434	*	*	*	*	*	*	1,116	\$7,435	11,234	\$ 60,913	1,078	\$5,293	*	*
Arctic-Yukon-Kuskokwim																			
<i>Arctic-Yukon-Kuskokwim</i>																			
	Fresh			*	*														
	Other			*	*														

Data Source: 1995 Alaska Commercial Operator Annual Reports

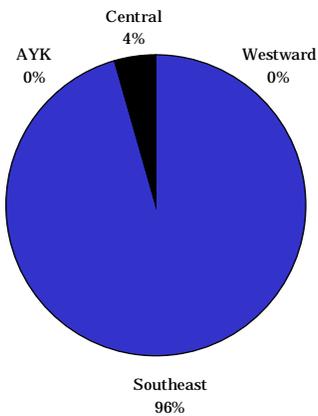
* Denotes confidential data that cannot be released per AS 16.05.815.

Shrimp

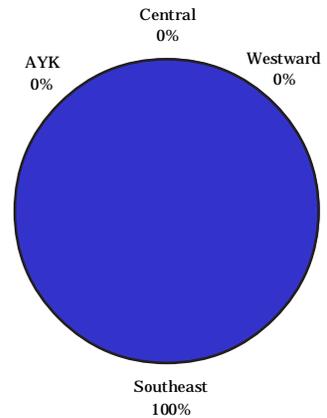
Harvest by Volume



Exvessel by Value



Production by Value



Production by Volume

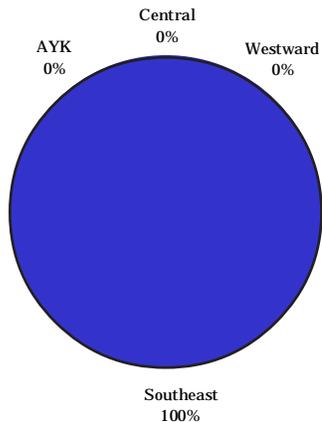
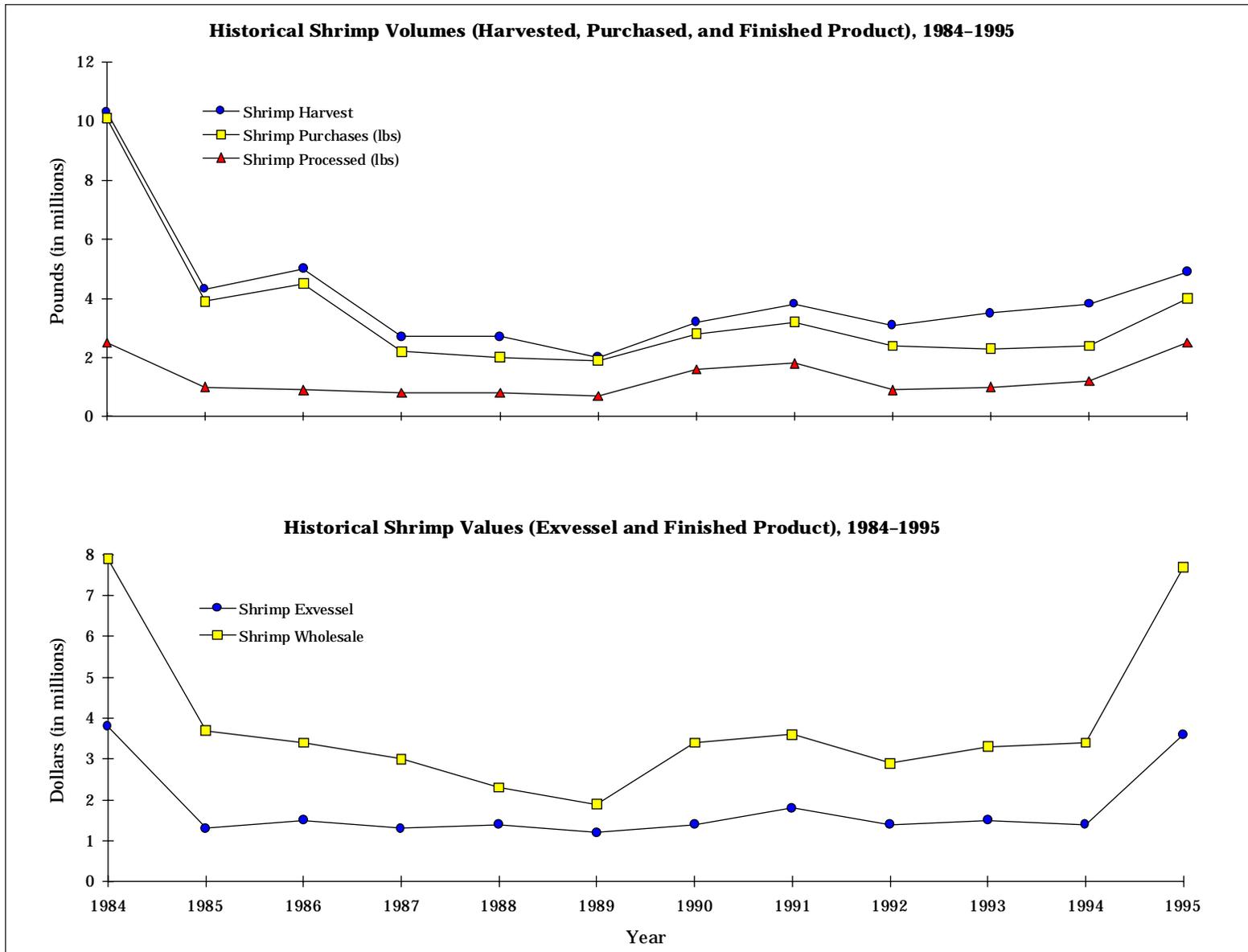


Figure 9. Percent contribution (by region) of harvests, values, and volumes of Alaska's commercial shrimp fisheries in 1995.

Table 29. Number of shrimp limited entry/interim-use permits issued/renewed in 1995, by region, area, gear, and residency.

Shrimp Region/Fishery	Gear and Residency Status					
	Pot Gear		Trawl Gear		Area Totals	
	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents
Southeast						
General Southeast	—	—	—	—	—	—
<i>Southeast Subtotal</i>	—	—	—	—	—	—
Central						
Prince William Sound	35	—			35	—
Cook Inlet	—	—	1	—	1	—
<i>Central Subtotal</i>	35	—	1	—	36	—
Westward						
General Westward	—	—			—	—
<i>Westward Subtotal</i>	—	—	—	—	—	—
Arctic-Yukon-Kuskokwim						
Norton Sound					—	—
<i>AYK Subtotal</i>	—	—	—	—	—	—
Statewide						
Statewide	701	51	84	4	785	55
<i>Statewide Subtotal</i>	701	51	84	4	785	55
Statewide Gear Totals	736	51	85	4	821	55



Data Sources: Historical Fish Ticket Database and Alaska Commercial Operator Annual Reports, 1984–1995.

Figure 10 . Shrimp volume and value trends, 1984–1995.

Table 30. Shrimp harvests, in thousands of pounds, 1986–1995, deadloss excluded.

Shrimp Species	Year									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
General	1,756	*	22	*	—	—	76	—	—	—
Pink	2,645	1,955	1,727	1,537	2,541	2,747	2,054	1,966	2,793	3,371
Sidestripe	59	133	429	159	177	274	372	743	236	118
Humpy	*					*	*	*	*	—
Coonstripe	86	74	14	10	14	43	21	32	48	84
Spot	486	551	549	294	446	680	468	692	742	1,341
Total	5,032	2,713	2,741	2,000	3,179	3,744	2,992	3,434	3,819	4,915

Data Source: TIX

Totals might not add up due to rounding and censored data.

* Denotes confidential data that cannot be released per AS 16.05.815.

Table 31. Shrimp permits fished and landings, by species, region, and area, 1995.

Region/Area	General		Sidestripe		Pink		Coonstripe		Spot	
	Permits	Landings	Permits	Landings	Permits	Landings	Permits	Landings	Permits	Landings
Southeast										
Southeast	8	19	26	104	43	810	175	1,166	399	3,851
Central										
Cook Inlet	3	14	3	19	3	5				
Prince William Sound	4	38	4	38						

Data Source: TIX

Table 32. Shrimp harvest volumes (in thousands of pounds) and average price per pound paid, by region, area, and gear, in 1995, excluding deadloss.

Region and Area by Gear	Pink		Sidestripe		Humpy		Coonstripe		Spot	
	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.
Southeast										
<i>Southeast</i>										
Single Otter Trawl			*	\$1.01						
Pot Gear	4	\$0.22	—	\$4.37	—		80	\$2.12	1,338	\$2.75
Beam Trawl	3,365	\$0.26	22	\$1.01	*	\$3.00	3	\$1.66	1	\$2.54
Central										
<i>Cook Inlet</i>										
Single Otter Trawl	*	\$0.05	*	\$1.66						
<i>Prince William Sound</i>										
Single Otter Trawl			*	\$2.69						
Beam Trawl			*	\$2.65						

* Denotes confidential data that cannot be released per AS 16.05.815.

Table 33. Production volumes and values, in thousands of pounds and U.S. dollars, of Alaska's commercial shrimp fisheries, by species, region, and general process.

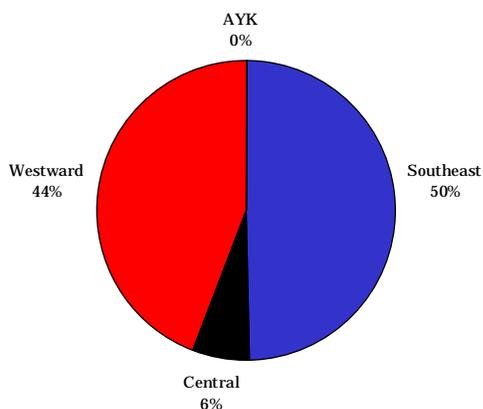
Region, Area, and Process	Species of Shrimp Processed									
	Pink		Sidestripe		Humpty		Coonstripe		Spot	
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value
Southeast Region										
Fresh	896	\$ 535	8	\$14	*	*	3	\$ 11	63	\$ 351
Frozen	601	\$1,825	10	\$24			41	\$180	819	\$4,699
Other	*	*							29	\$ 94
Central Region										
Fresh			*	*					*	*
Frozen										

Data Source: 1995 Alaska Commercial Operator Annual Reports

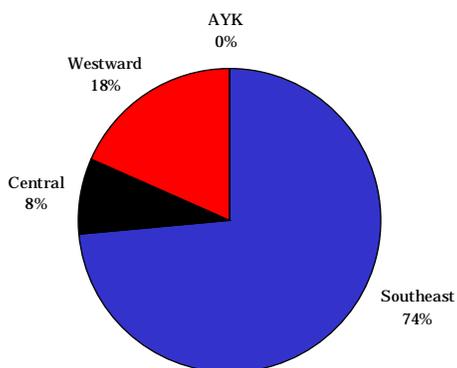
* Denotes confidential data that cannot be released per AS 16.05.815.

Miscellaneous Shellfish

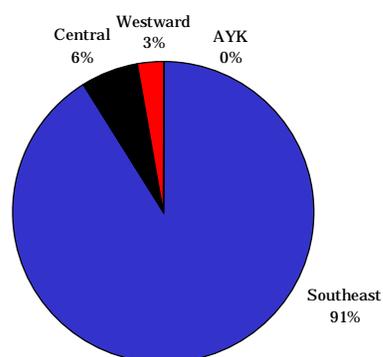
Harvest by Volume



Exvessel by Value



Production by Value



Production by Volume

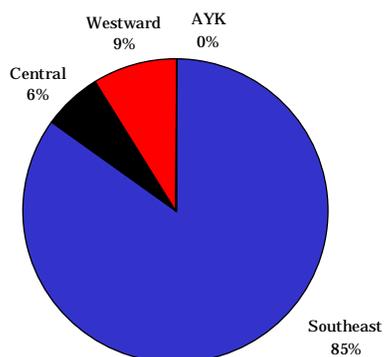
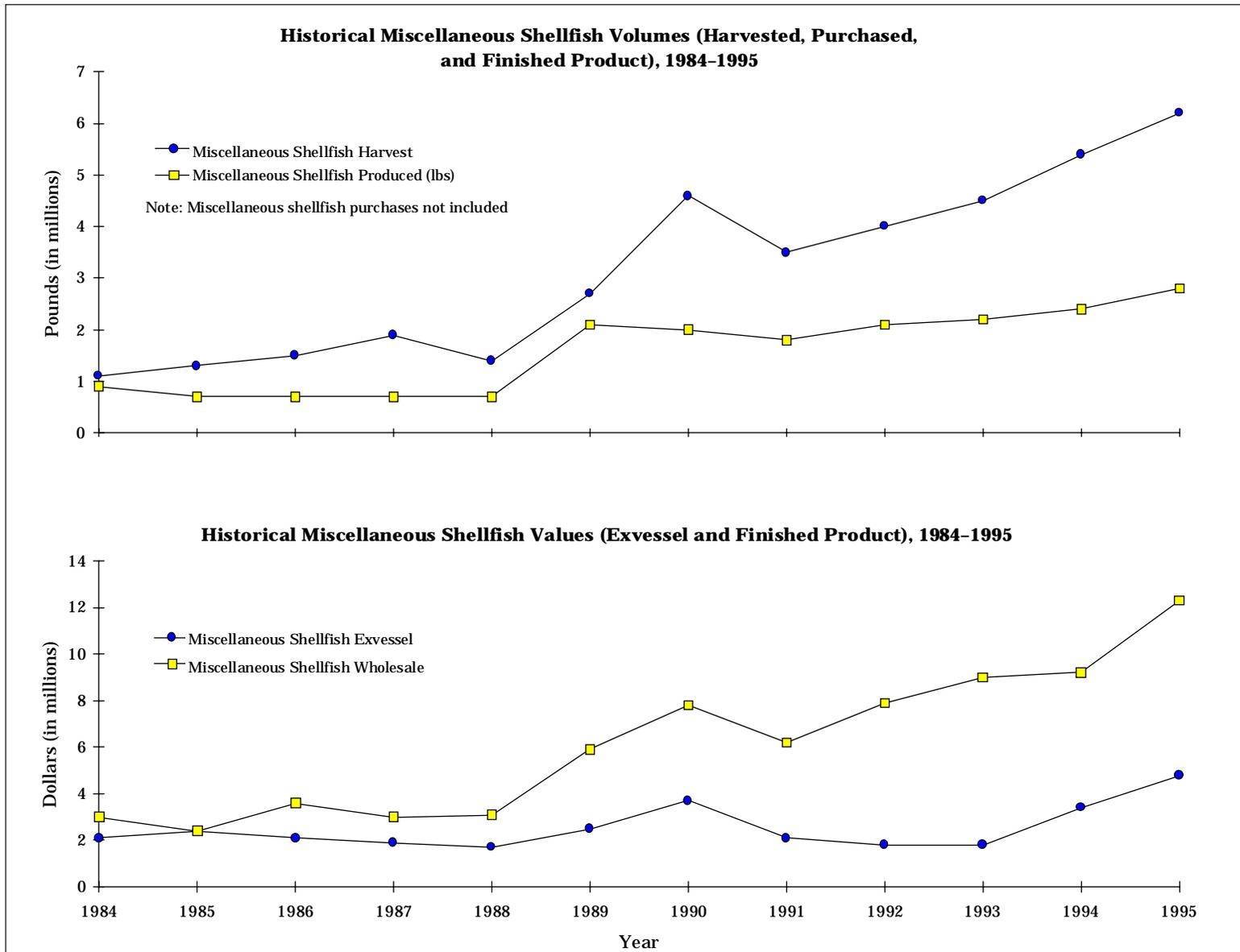


Figure 11. Percent contribution (by region) of harvests, values, and volumes of Alaska's commercial miscellaneous shellfish fisheries in 1995.

Table 34. Number of miscellaneous shellfish limited entry/interim-use permits issued/renewed in 1995, by region, gear, and residency.

Miscellaneous Shellfish Region/Fishery	Gear and Residency Status																		
	Dive		Dredge (mechanical, hydraulic)		Shovel		Hand Pick		Longline		Pot		Seine		Other (Troll, unspecified)		Area Totals		
	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	
Statewide																			
Abalone	167	13															167	13	
Clam			86	59	71	23											157	82	
Miscellaneous Marine Invertebrates							3	—									3	—	
Octopus/Squid									2	—	72	4	5	1	3	—	82	5	
Scallop			8	7													8	7	
Sea Cucumber	513	114															513	114	
Sea Urchin	83	21					2	—									85	21	
Snail											7	4					7	4	
<i>Statewide Subtotal</i>	763	148	94	66	71	23	5	—	2	—	79	8	5	1	3	—	1,022	246	
Statewide Gear Totals	763	148	94	66	71	23	5	—	2	—	79	8	5	1	3	—	1,022	246	



Data Sources: Historical Fish Ticket Database and Alaska Commercial Operator Annual Reports, 1984-1995.

Figure 12. Miscellaneous shellfish volume and value trends, 1984-1995.

Table 35. Miscellaneous shellfish harvests, in thousands of pounds, 1986–1995, deadloss excluded.

Shellfish Species	Year									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
Butter Clam		*		14		*				6
Surfclam	86		190				*			
Geoduck		*		204	271	248	195	209	147	261
Cockle		2		*			*			*
Razor Clam	293	312	399	223	324	201	297	310	355	248
Littleneck		12	*	3	37	52	67	73	54	82
Eastern Softshell Clam					*					
Weathervane Scallop	683	583	341	526	1,489	1,137	1,742	1,544	1,257	351
Pink (calico) Scallop						*	*			
Blue Mussel	*	*		168	*	*	*		*	3
Abalone	61	68	76	71	68	44	36	35	23	9
Octopus	2	47	74	21	92	259	46	54	5	34
Squid	*	*		*	*	*	*	*	*	*
Snail		*	1	*			*	313	1,965	2,330
Red Sea Urchin		*								
Sea Urchin	316	757	245	201	102	211	468	283	110	1,227
Sea Cucumber		74	50	1,297	2,201	1,248	1,072	1,551	1,417	1,608
Coral								*		
Total	1,449	1,887	1,391	2,731	4,594	3,471	4,004	4,374	5,335	6,162

Data Source: TIX

Totals might not add up due to rounding and censored data.

* Denotes confidential data that cannot be released per AS 16.05.815.

Table 36. Miscellaneous shellfish permits, by species, region, and area, in 1995.

Region/Area	Butter Clam	Geoduck	Cockle	Razor Clam	Littleneck	Blue Mussel	Weathervane Scallop	Abalone	Octopus	Squid	Sea Urchin	Sea Cucumber	Snail
Southeast													
Southeast	1	112			8		10	44	13		1	512	
Central													
Cook Inlet Prince William Sound	13		1	23	21	4	2		6	1 2	9		
Westward													
Alaska Peninsula Bering Sea Bristol Bay Dutch Harbor Kodiak							1		2 1 3 9 3		8	5 19	4

Data Source: TIX

Table 37. Miscellaneous shellfish landings, by species, region, and area, 1995.

Region/Area	Butter Clam	Geoduck	Cockle	Razor Clam	Littleneck	Blue Mussel	Weathervane Scallop	Abalone	Octopus	Squid	Sea Urchin	Sea Cucumber	Snail
Southeast													
Southeast	6	417			86		22	48	29		929	1,603	
Central													
Cook Inlet Prince William Sound	24		1	1,320	93	10	4		12	3 24	14		
Westward													
Alaska Peninsula Bering Sea Bristol Bay Dutch Harbor Kodiak							2		2 1 3 13 21		50	5 55	38

Data Source: TIX

Table 38. Miscellaneous shellfish harvest volumes (in thousands of pounds) and average price per pound paid, by region, area, and gear, in 1995, excluding deadloss.

Region and Area by Gear	Butter Clam		Cockle		Razor Clam		Geoduck		Littleneck		Scallop		Blue Mussel	
	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.
Southeast														
Shovel	*	\$1.25							16	\$2.14				
Hydro/Mechanical Dredge							261	\$2.25						
Dredge											276	\$5.28		
Dive/Hand Pick														
Pot Gear														
Central														
<i>Prince William Sound</i>														
Dredge											*	\$5.21		
Pot Gear														
Single Otter Trawl														
<i>Cook Inlet</i>														
Shovel	4	\$1.25	*	\$1.35	248	\$0.54			67	\$1.35			*	\$1.35
Hand Pick													*	\$1.35
Pot Gear														
Single Otter Trawl														
Westward														
<i>Alaska Peninsula</i>														
Pot Gear														
Trawl														
Dive/Hand Pick														
<i>Aleutian Islands</i>														
Trawl														
<i>Bering Sea</i>														
Pot Gear														
<i>Bristol Bay</i>														
Pot Gear														
Trawl														
<i>Dutch Harbor</i>														
Dredge											*	\$5.25		
Trawl														
Pot Gear														
<i>Kodiak</i>														
Pot Gear														
Trawl														
Longline														
Dive/Hand Pick														

— continued —

Table 38. (Page 2 of 2).

Region and Area by Gear	Abalone		Squid		Octopus		Sea Cucumber		Sea Urchin		Snail	
	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.	Pounds	Price/lb.
Southeast												
Shovel Hydro/Mechanical Dredge Dredge Dive/Hand Pick Pot Gear	9	\$8.63			1	\$1.12	1,440	\$1.29	1,185	\$0.46		
Central												
<i>Prince William Sound</i> Dredge Pot Gear Single Otter Trawl			*	\$1.00	4	\$0.50						
<i>Cook Inlet</i> Shovel Hand Pick Pot Gear Single Otter Trawl				\$1.00	12	\$1.02			3	\$1.22		
Westward												
<i>Alaska Peninsula</i> Pot Gear Trawl Dive/Hand Pick			1	\$0.11	*	\$0.45	6	\$0.95				
<i>Aleutian Islands</i> Trawl			3	\$0.01	3	\$0.03						
<i>Bering Sea</i> Pot Gear					*	\$0.35					2,330	\$0.30
<i>Bristol Bay</i> Pot Gear Trawl			64	\$0.10	9	\$0.35						
<i>Dutch Harbor</i> Dredge Trawl Pot Gear			150	\$0.09	1	\$0.03						
<i>Kodiak</i> Pot Gear Trawl Longline Dive/Hand Pick					26	\$0.51						
					35	\$0.38						
					*	\$0.35						
					0	\$0.48						
							139	\$1.25	38	\$1.35		

* Denotes confidential data that cannot be released per AS 16.05.815.

Table 39. Production volumes and values, in thousands of pounds and U.S. dollars, of Alaska's commercial miscellaneous shellfish fisheries, by species, area, and general process.

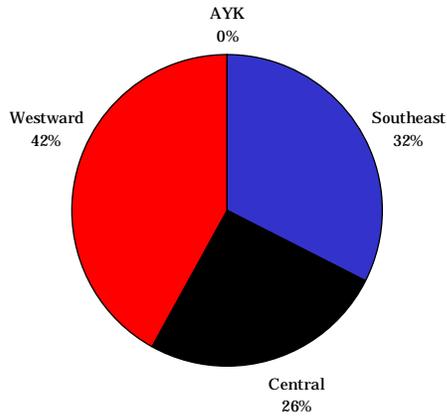
Region, Area, and Process	Species of Shellfish Processed																				
	Geoduck		Razor Clam		Littleneck		Weathervane Scallop		Abalone		Octopus		Squid		Snail		Sea Cucumber		Sea Urchin		
	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	Pounds	Value	
Southeast Region																					
<i>Southeast</i>																					
	Fresh	*	*							*	*						*	*	*	*	
	Frozen	130	\$460				451	\$721	7	\$106							695	\$3,234			
	Other			*	*				*	*							*	*			
Central Region																					
<i>Prince William Sound</i>																					
	Fresh											*	*								
	Frozen																				
<i>Cook Inlet</i>																					
	Fresh			*	*															*	*
	Frozen			*	*																
	Other					*	*														
Westward Region																					
<i>Kodiak</i>																					
	Frozen										73	\$67			*	*				*	*
	Other																				
<i>Dutch Harbor</i>																					
	Fresh										*	*	*	*	*	*					
	Frozen						*	*			23	\$13	*	*	*	*					
	Other										*	*									
<i>Bering Sea</i>																					
	Frozen						*	*			*	*	*	*	*	*					

Data Source: 1995 Alaska Commercial Operator Annual Reports

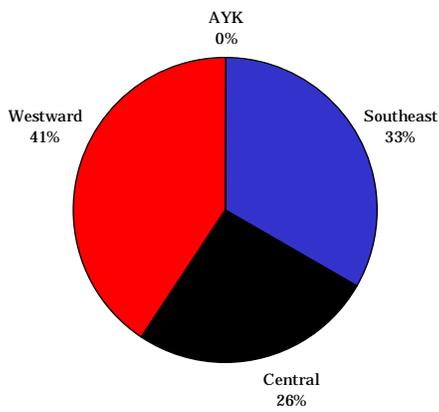
* Denotes confidential data that cannot be released per AS 16.05.815.

Halibut

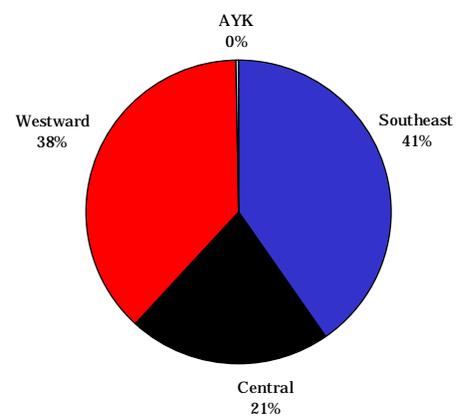
Harvest by Volume



Exvessel by Value



Production by Value



Production by Volume

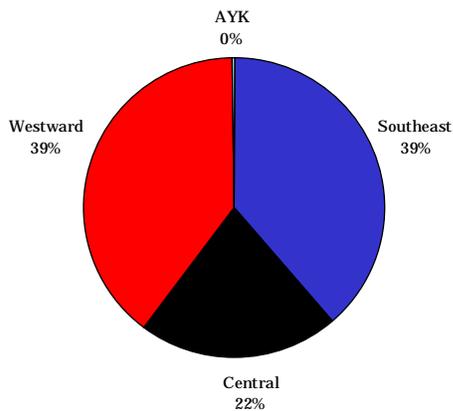
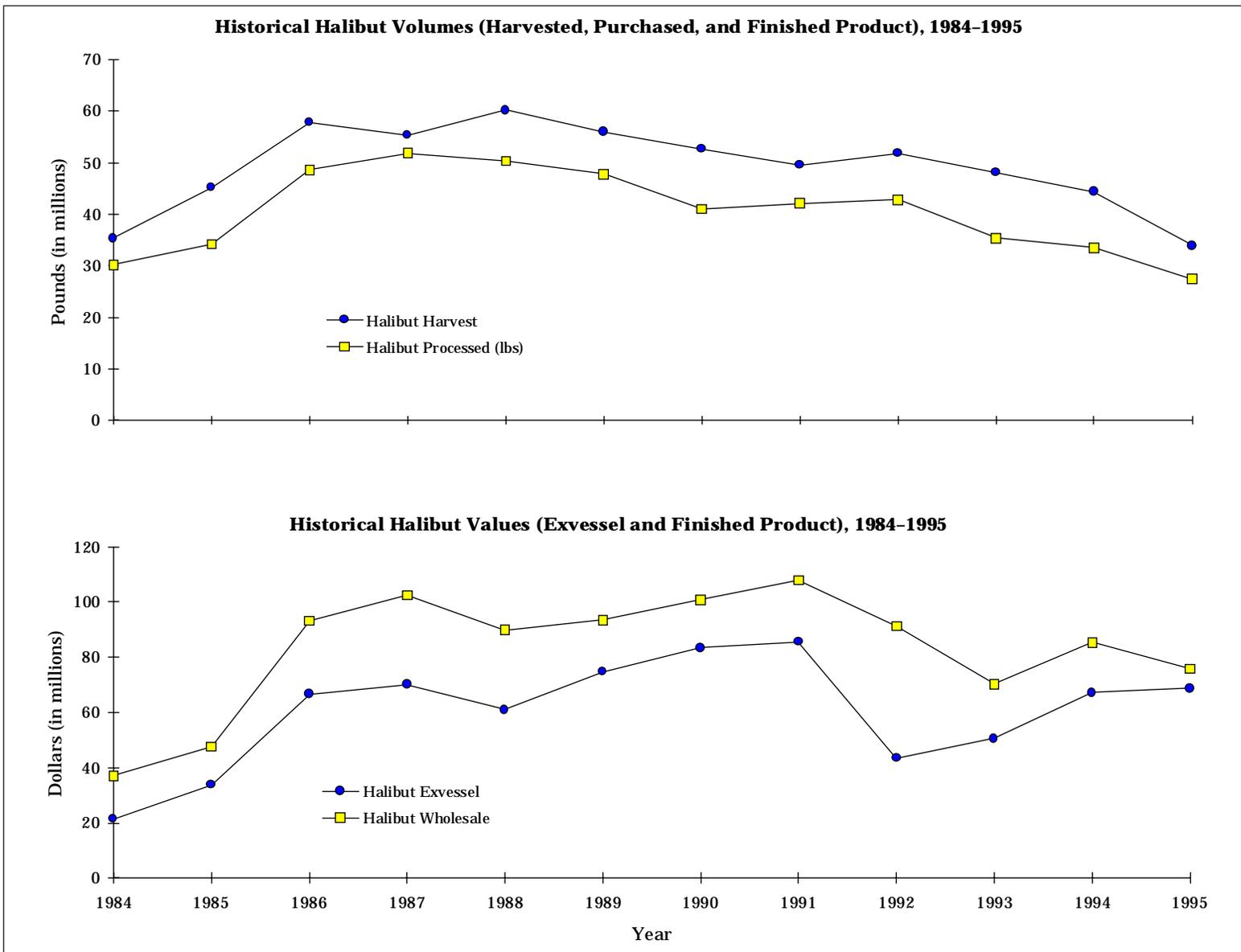


Figure 13. Percent contribution (by region) of harvests, values, and volumes of Alaska's commercial halibut fisheries in 1995.

Table 40. Number of halibut limited entry/interim-use permits issued/renewed in 1995, by region, area, gear, and residency.

Halibut Region/Fishery	Gear and Residency Status					
	Jig		Longline		Area Total	
	Residents	Nonresidents	Residents	Nonresidents	Residents	Nonresidents
Statewide						
Statewide	81	4	3,444	452	3,525	456
<i>Statewide Subtotal</i>	81	4	3,444	452	3,525	456
Statewide Gear Totals	81	4	3,444	452	3,525	456



Data Sources: Historical Fish Ticket Database and Alaska Commercial Operator Annual Reports, 1984-1995.

Figure 14. Halibut volume and value trends, 1984-1995.

Table 41. Halibut harvests (exvessel, in thousands) and production (wholesale) volumes (in thousands of pounds) and average price per pound paid, by region, area, and process type, 1995.

Halibut Region/Area	Exvessel		Process	Production	
	Pounds	Price/lb.		Pounds	Value
Southeast					
<i>Southeast</i>	7,741	\$2.06	Fresh	3,785	\$10,713
			Frozen	6,633	\$19,477
<i>Yakutat</i>	3,249	\$2.13	Canned	*	*
			Other	*	*
Central					
<i>Prince William Sound</i>	2,989	\$2.05	Fresh	1,087	\$ 2,890
			Frozen	477	\$ 1,440
<i>Cook Inlet</i>	5,709	\$2.08	Fresh	2,482	\$ 6,723
			Frozen	1,829	\$ 4,971
			Other	*	*
<i>Bristol Bay</i>	35	\$1.86	Frozen	*	*
Westward					
<i>Kodiak</i>	7,727	\$2.02	Fresh	1,596	\$ 4,014
			Frozen	3,646	\$10,178
			Other	*	*
<i>Dutch Harbor</i>	1,493	\$1.91	Fresh	36	\$ 93
			Frozen	3,867	\$10,121
<i>Alaska Peninsula</i>	1,777	\$1.99	Frozen	894	\$ 2,402
<i>Bering Sea</i>	1,527	\$1.78	Frozen	*	*
<i>Aleutian Islands</i>	1,680	\$1.85	Frozen	*	*
Arctic-Yukon-Kuskokwim					
<i>Arctic-Yukon-Kuskokwim</i>	—	—	Fresh	*	*

* Denotes confidential data that cannot be released per AS 16.05.815.

Table 42. Number of groundfish limited entry/interim-use permits issued/renewed in 1995, by region, gear, and residency.

Groundfish Region/Fishery	Gear and Residency Status															
	Jig		Longline		Troll		Pot		Gillnet		Trawl		Other		Area Totals	
	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.	Res.	Nonres.
Southeast																
General Southeast (demersal shelf rockfish)	24	4	339	9	10	—									373	13
Northern Southeast (sablefish)			98	23											98	23
Southern Southeast (sablefish)			23	6			2	—							25	6
<i>Southeast Subtotal</i>	24	4	460	38	10	—	2	—			—	—	—	—	496	42
Statewide																
Statewide (miscellaneous marine finfish)	430	47	1,073	136	117	4	314	172	11	—	126	267	13	3	2,084	629
Statewide (sablefish)	13	3	749	195			3	—			5	39			770	237
<i>Statewide Subtotal</i>	443	50	1,822	331	117	4	317	172			131	306	13	3	2,854	866
Statewide Gear Totals	467	54	2,282	369	127	4	319	172	11	—	131	306	13	3	3,350	908

Table 43. State-managed and federally managed groundfish permits, landings, harvests, and values in 1995, excluding discards. Harvests are in thousands of round pounds and values are in thousands of U.S. dollars.

Management/Region/Fishery	Permits	Landings	Harvest	Value
State-Managed Fisheries				
Southeast				
Rockfish	1,079	2,154	1,189	\$ 731
Flatfish	16	22	16	\$ 4
Pacific Cod	239	414	338	\$ 114
Lingcod	499	996	854	\$ 503
Sablefish (black cod)	159	392	5,371	\$ 10,613
Pollock	9	22	3	\$ 1
Eel				
Sharks, Skates, and Rays	19	24	15	\$ 1
Other Groundfish	1	1	*	*
<i>Southeast Region Subtotal</i>	2,021	4,025	7,786	\$ 11,967
Central				
Rockfish	257	540	459	\$ 289
Flatfish	10	22	4	—
Pacific Cod	221	904	5,911	\$ 1,436
Lingcod	33	46	46	\$ 13
Sablefish (black cod)	154	186	607	\$ 1,305
Pollock	41	88	6,524	\$ 678
Eel	1	2	*	*
Sharks, Skates, and Rays	9	10	3	\$ 1
Other Groundfish	4	4	1	—
<i>Central Region Subtotal</i>	730	1,802	13,555	\$ 3,723
State-Managed Waters Total	2,751	5,827	21,341	\$ 15,690
Federally Managed Fisheries				
Bering Sea/Aleutian Islands				
Rockfish	na	na	4,861	\$ 2,314
Flatfish	na	na	310,322	\$ 21,723
Pacific Cod	na	na	445,272	\$ 74,093
Lingcod	na	na		
Sablefish (black cod)	na	na	4,096	\$ 10,035
Pollock	na	na	2,497,092	\$235,001
Eel	na	na		
Sharks, Skates, and Rays	na	na		
Other Groundfish	na	na	172,232	\$ 3,445
<i>Bering Sea/Aleutian Islands Subtotal</i>			3,433,875	\$346,611
Gulf of Alaska				
Rockfish	na	na	46,304	\$ 23,985
Flatfish	na	na	28,702	\$ 3,731
Pacific Cod	na	na	159,621	\$ 33,361
Lingcod	na	na		—
Sablefish (black cod)	na	na	23,437	\$ 73,756
Pollock	na	na	143,931	\$ 14,076
Eel	na	na		—
Sharks, Skates, and Rays	na	na		—
Other Groundfish	na	na	12,608	\$ 252
<i>Gulf of Alaska Subtotal</i>			414,603	\$149,162
Federally Managed Waters Total			3,848,478	\$495,773
Alaska Groundfish Total			3,869,819	\$511,463

Data Sources: State-Managed: ADF&G staff (Southeast — Meg Cartwright; Central — Bill Bechtol)
 Federally Managed: Harvest numbers supplied by the National Marine Fisheries Service, Alaska Region, web page;
 values are from 1995 Commercial Operator Annual Reports submitted to ADF&G

* Denotes confidential data that cannot be released per AS 16.05.815.

Appendix

Species Commercially Harvested in 1995

The following is a listing of common and scientific names of fish and shellfish commercially harvested in Alaska waters during 1995. This listing is included for reference purposes only and is not all-inclusive.

Common Name	(Vernacular Name) ^a	Scientific Name
Crab		
Armed Box	(box)	<i>Mursia gaudichaudii</i>
Blue King		<i>Paralithodes platypus</i>
Dungeness		<i>Cancer magister</i>
Golden King	(brown)	<i>Lithodes aequispinus</i>
Grooved Tanner	(tanneri)	<i>Chionoecetes tanneri</i>
Hair		<i>Erimacrus isembeckii</i>
Red King		<i>Paralithodes camtschaticus</i>
Scarlet King		<i>Lithodes couesi</i>
Snow	(opilio)	<i>Chionoecetes opilio</i>
Tanner	(bairdi)	<i>Chionoecetes bairdi</i>
Triangle Tanner	(angulatus)	<i>Chionoecetes angulatus</i>
Groundfish		
Eel or Eel-like Fish		Family <i>Anguillidae</i>
Flatfishes		Order <i>Pleuronectiformes</i> and Genus <i>Reinhardtius</i>
Lingcod		<i>Ophiodon elongatus</i>
Pacific Cod	(gray cod)	<i>Gadus macrocephalus</i>
Pacific Halibut	(halibut)	<i>Hippoglossus stenolepis</i>
Pacific Ocean Perch		<i>Sebastes alutus</i>
Rockfish		Genera <i>Sebastes</i> and <i>Sebastes</i>
Sablefish	(black cod)	<i>Anoplopoma fimbria</i>
Shark		Order <i>Pleurotremata</i>
Skate		Family <i>Rajidae</i>
Walleye Pollock	(pollock)	<i>Theragra chalcogramma</i>
Herring		
Pacific Herring	(herring)	<i>Clupea pallasii</i>
Miscellaneous Shellfish		
Arctic Surfclam	(surfclam)	<i>Mactromeris polynyma</i>
	(blue mussel) ^b	<i>Mytilus trossulus</i> ^b
Butter Clam		<i>Saxidomus giganteus</i>
California Market Squid	(squid)	<i>Loligo opalescens</i>
Geoduck	(geoduck)	<i>Parope generosa</i>
Green Sea Urchin	(urchin)	<i>Strongylocentrotus droebachiensis</i>
Japanese Littleneck	(Littleneck)	<i>Protothaca staminea</i>
Nuttall Cockle	(cockle)	<i>Clinocardium nuttallii</i>
Octopus		<i>Octopus vulgaris</i>
Pacific Razor	(razor clam)	<i>Siliqua patula</i>
Pinto Abalone	(abalone)	<i>Haliotis kamtschatkana</i>
Red Sea Urchin	(urchin)	<i>Strongylocentrotus franciscanus</i>
Sea Cucumber		<i>Parastichopus californicus</i>
Snail		Genus <i>Neptunea</i>
Softshell	(Eastern softshell clam)	<i>Mya arenaria</i>
Weathervane Scallop		<i>Patinopecten caurinus</i>
Salmon		
Chinook		<i>Oncorhynchus tshawytscha</i>
Chum		<i>Oncorhynchus keta</i>
Coho		<i>Oncorhynchus kisutch</i>
Pink		<i>Oncorhynchus gorbuscha</i>
Roe (unspecified)		<i>Oncorhynchus</i> spp.
Sockeye		<i>Oncorhynchus nerka</i>
Shrimp		
Coonstripe		<i>Pandalus hypsinotus</i>
Humpy		<i>Pandalus gonirius</i>
Pink		<i>Pandalus borealis</i>
Sidestripe		<i>Pandalus dispar</i>
Spot		<i>Pandalus platyceros</i>

^a Some vernacular names commonly used by industry were used in this report rather than the correct common name. This is because the vernacular name is better known than the common name.

^b Often referred to incorrectly as blue mussel or *Mytilus edulis*, actually is *M. trossulus* and no common name exists for this species as yet.

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