

SCOMM

87:6

**THE ECONOMIC IMPACT OF THE
SHORESIDE PROCESSING INDUSTRY
UPON ALASKA DURING 1992**

prepared for the

Pacific Seafood Processors Association

by

Pacific Associates

in conjunction with

Capitol Associates

March, 1994

Table of Contents

EXECUTIVE SUMMARY

CHAPTER 1 Introduction

1.1	Purpose/Organization of Document	1-1
1.2	Methodology	1-1
1.2.1	Comments on Data and Calculations	1-2
1.2.2	Employment	1-2
1.2.3	Harvest Data	1-3
1.2.4	Regions	1-3
1.2.5	The Use of Multipliers	1-4
1.3	Overview	1-5

CHAPTER 2 Review of Statewide Impacts

2.1	Introduction	2-1
2.2	Purchases of Fish and Shellfish	2-1
2.2.1	Salmon	2-3
2.2.2	Halibut	2-6
2.2.3	Herring	2-6
2.2.4	Sablefish	2-8
2.2.5	Groundfish	2-9
2.2.6	Shellfish	2-10
2.2.7	Other Species	2-13
2.3	Statewide Purchases of goods & Services	2-13
2.3.1	Consumables	2-13
2.3.2	Services	2-14
2.3.3	Electricity	2-14
2.3.4	Water	2-15
2.3.5	Sewer	2-15
2.3.6	Other Purchases	2-16
2.4	Employment	2-16
2.4.1	Direct Employment and	2-16

Table of Contents

	Employee Overhead Expenditures	
2.4.2	Transportation	2-18
2.4.3	Indirect Employment	2-19

CHAPTER 3 Review of Impacts in the Alaska Peninsula

3.1	Introduction	3-1
3.2	Purchases of Fish and Shellfish	3-2
3.3	Employment	3-4
3.4	Purchases of Goods and Services	3-4
3.5	Taxes	3-5

CHAPTER 4 Review of Impacts in Bristol Bay

4.1	Introduction	4-1
4.2	Purchases of Fish and Shellfish	4-2
4.3	Employment	4-3
4.4	Purchases of Goods and Services	4-4
4.5	Taxes	4-5

CHAPTER 5 Economic Impacts in the Bering Sea/Aleutians Region

5.1	Introduction	5-1
5.2	Purchases of Fish and Shellfish	5-2
5.3	Employment	5-4
5.4	Purchases of Good and Services	5-4
5.5	Taxes	5-4

CHAPTER 6 Impacts in the Kenai/Cook Inlet Region

6.1	Introduction	6-1
6.2	Purchases of Fish and Shellfish	6-2
6.3	Employment	6-4
6.4	Purchases of Goods and Services	6-4
6.5	Taxes	6-4

CHAPTER 7 Impacts in the Kodiak Region

7.1	Introduction	7-1
7.2	Purchases of Fish and Shellfish	7-2
7.3	Employment	7-4
7.4	Purchases of Goods and Services	7-4
7.5	Taxes	7-5

CHAPTER 8 Impacts in Prince William Sound

8.1	Introduction	.....	8-1
8.2	Purchases of Fish and Shellfish	.....	8-2
8.3	Employment	.....	8-5
8.4	Purchases of Goods and Services	.....	8-5
8.5	Taxes	.....	8-5

CHAPTER 9 Impacts in Southeast Alaska

9.1	Introduction	.....	9-1
9.2	Purchases of Fish and Shellfish	.....	9-2
9.3	Employment	.....	9-5
9.4	Purchases of Goods and Services	.....	9-5
9.5	Taxes	.....	9-5

LIST OF TABLES

CHAPTER 2 Review of Statewide Impacts

Table 2-1	Economic Impact of the Shoreside Seafood Processing Industry on Alaska During 1991	2-24
Table 2-2	Economic Impact of the Shoreside Seafood Processing Industry on Alaska During the First Quarter, 1992	2-25
Table 2-3	Economic Impact of the Shoreside Seafood Processing Industry on Alaska During the Second Quarter, 1992	2-26
Table 2-4	Economic Impact of the Shoreside Seafood Processing Industry on Alaska During the Third Quarter, 1992	2-27
Table 2-5	Economic Impact of the Shoreside Seafood Processing Industry on Alaska During the Fourth Quarter, 1992	2-28
Table 2-6	1992 Purchases of Fish and Shellfish by the Shoreside Seafood Processing Industry (in pounds, by species, by quarter, statewide)	2-29
Table 2-7	Regional Purchases of Fish and Shellfish Statewide by the Shoreside Seafood Processing Industry during 1992 (in pounds and percent, by quarter)	2-30
Table 2-8	Statewide Purchases of Fish and Shellfish by Major Species Group during 1992 (in pounds and percent, by quarter)	2-31
Table 2-9	Statewide Purchases of Fish and Shellfish by the Shoreside Processing Industry during 1992 (in pounds, by quarter, by species)	2-32
Table 2-10	Statewide Purchases of Fish and Shellfish by Major Species Group during 1992 (in pounds and percent, by quarter)	2-33

List of Tables

Table 2-11	Statewide Purchases of Fish and Shellfish by Region during 1992 (in pounds and percent, by quarter)	2-34
Table 2-12	Purchases of Chinook Salmon by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-35
Table 2-13	Purchases of Sockeye Salmon by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-36
Table 2-14	Purchases of Coho Salmon by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-37
Table 2-15	Purchases of Pink Salmon by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-38
Table 2-16	Purchases of Chum Salmon by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-39
Table 2-17	Purchases of Halibut by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-40
Table 2-18	Purchases of Herring Spawn-on-Kelp by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-41
Table 2-19	Purchases of Food & Bait Herring by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-42
Table 2-20	Purchases of Sac Roe Herring by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter) by quarter)	2-43
Table 2-21	Purchases of Sablefish by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-44

List of Tables

Table 2-22	Purchases of Pollock by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-45
Table 2-23	Purchases of Pacific Cod by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-46
Table 2-24	Purchases of Soles by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-47
Table 2-25	Purchases of Flounders by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-48
Table 2-26	Purchases of Miscellaneous Groundfish by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-49
Table 2-27	Purchases of King Crab by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-50
Table 2-28	Purchases of Brown & Blue King Crab by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-51
Table 2-29	Purchases of Bairdi Tanner Crab by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-52
Table 2-30	Purchases of Opilio Tanner Crab by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-53
Table 2-31	Purchases of Dungeness Crab by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-54
Table 2-32	Purchases of Shrimp by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-55

List of Tables

Table 2-33	Purchases of Other Species by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)	2-56
Table 2-34	Purchases of All Goods & Services Combined by the Shoreside Processing Industry during 1992 (in dollars and percent, by region and quarter)	2-57
Table 2-35	Purchases of Consumables by the Shoreside Processing Industry during 1992 (in dollars and percent, by region and quarter)	2-58
Table 2-36	Purchases of Services by the Shoreside Processing Industry during 1992 (in dollars and percent, by region and quarter)	2-59
Table 2-37	Purchases of Electricity by the Shoreside Processing Industry during 1992 (in dollars and percent, by region and quarter)	2-60
Table 2-38	Purchases of Water by the Shoreside Processing Industry during 1992 (in dollars and percent, by region and quarter)	2-61
Table 2-39	Purchases of Sewer Services by the Shoreside Processing Industry during 1992 (in dollars and percent, by region and quarter)	2-62
Table 2-40	Purchases of Other Services by the Shoreside Processing Industry during 1992 (in dollars and percent, by region and quarter)	2-63
Table 2-41	Summary of Shoreside Seafood Processing Employment Impacts during 1992 (by region)	2-64
Table 2-42	Summary of Shoreside Seafood Processing Employment Impacts during the First Quarter, 1992 (by region)	2-65
Table 2-43	Summary of Shoreside Seafood Processing Employment Impacts during the Second Quarter, 1992 (by region)	2-66
Table 2-44	Summary of Shoreside Seafood Processing Employment Impacts during the Third Quarter,	2-67

List of Tables

	1992 (by region)	
Table 2-45	Summary of Shoreside Seafood Processing Employment Impacts during the Fourth Quarter, 1992 (by region)	2-68
Table 2-46	Shoreside Seafood Processing Employment Impacts during the First Quarter, 1992 (by region, by month)	2-69
Table 2-47	Shoreside Seafood Processing Employment Impacts during the Second Quarter, 1992 (by region, by month)	2-70
Table 2-48	Shoreside Seafood Processing Employment Impacts during the Third Quarter, 1992 (by region, by month)	2-71
Table 2-49	Shoreside Seafood Processing Employment Impacts during the Fourth Quarter, 1992 (by region, by month)	2-72

CHAPTER 3 Review of Impacts in the Alaska Peninsula

Table 3-1	Economic Impact of the Shoreside Processing Industry in the Alaska Peninsula during 1992	3-6
Table 3-2	Economic Impact of the Shoreside Processing Industry in the Alaska Peninsula during the First Quarter, 1992	3-7
Table 3-3	Economic Impact of the Shoreside Processing Industry in the Alaska Peninsula during the Second Quarter, 1992	3-8
Table 3-4	Economic Impact of the Shoreside Processing Industry in the Alaska Peninsula during the Third Quarter, 1992	3-9
Table 3-5	Economic Impact of the Shoreside Processing Industry in the Alaska Peninsula during the Fourth Quarter, 1992	3-10

List of Tables

Table 3-6	1992 Purchases of Fish & Shellfish in the Alaska Peninsula by the Shoreside Processing Industry (by quarter, in pounds)	3-11
-----------	---	------

CHAPTER 4 Review of Impacts in Bristol Bay

Table 4-1	Economic Impact of the Shoreside Processing Industry in Bristol Bay during 1992	4-5
Table 4-2	Economic Impact of the Shoreside Processing Industry in Bristol Bay during the First Quarter, 1992	4-6
Table 4-3	Economic Impact of the Shoreside Processing Industry in Bristol Bay during the Second Quarter, 1992	4-7
Table 4-4	Economic Impact of the Shoreside Processing Industry in Bristol Bay during the Third Quarter, 1992	4-8
Table 4-5	Economic Impact of the Shoreside Processing Industry in Bristol Bay during the Fourth Quarter, 1992	4-9
Table 4-6	1992 Purchases of Fish & Shellfish in Bristol Bay by the Shoreside Processing Industry (by quarter, in pounds)	4-10

CHAPTER 5 Economic Impacts in the Bering Sea/Aleutians Region

Table 5-1	Economic Impact of the Shoreside Processing Industry in the Bering Sea/Aleutians during 1992	5-5
Table 5-2	Economic Impact of the Shoreside Processing Industry in the Bering Sea/Aleutians during the First Quarter, 1992	5-6
Table 5-3	Economic Impact of the Shoreside Processing Industry in the Bering Sea/Aleutians during the Second Quarter, 1992	5-7
Table 5-4	Economic Impact of the Shoreside Processing Industry in the Bering Sea/Aleutians during the Third Quarter, 1992	5-8

Table 5-5	Economic Impact of the Shoreside Processing Industry in the Bering Sea/Aleutians during the Fourth Quarter, 1992	5-9
Table 5-6	1992 Purchases of Fish & Shellfish in the Bering Sea/Aleutians by the Shoreside Processing Industry (by quarter, in pounds)	5-10

CHAPTER 6 Impacts in the Kenai/Cook Inlet Region

Table 6-1	Economic Impact of the Shoreside Processing Industry in the Kenai/Cook Inlet Region during 1992	6-5
Table 6-2	Economic Impact of the Shoreside Processing Industry in the Kenai/Cook Inlet Region during the First Quarter, 1992	6-6
Table 6-3	Economic Impact of the Shoreside Processing Industry in the Kenai/Cook Inlet Region during the Second Quarter, 1992	6-7
Table 6-4	Economic Impact of the Shoreside Processing Industry in the Kenai/Cook Inlet Region during the Third Quarter, 1992	6-8
Table 6-5	Economic Impact of the Shoreside Processing Industry in the Kenai/Cook Inlet Region during the Fourth Quarter, 1992	6-9
Table 6-6	1992 Purchases of Fish & Shellfish in the Kenai/Cook Inlet Region by the Shoreside Processing Industry (by quarter, in pounds)	6-10

CHAPTER 7 Impacts in the Kodiak Region

Table 7-1	Economic Impact of the Shoreside Processing Industry in Kodiak during 1992	7-6
Table 7-2	Economic Impact of the Shoreside Processing Industry in Kodiak during the First Quarter, 1992	7-7
Table 7-3	Economic Impact of the Shoreside Processing Industry in Kodiak during the Second Quarter, 1992	7-8

List of Tables

Table 7-4	Economic Impact of the Shoreside Processing Industry in Kodiak during the Third Quarter, 1992	7-9
Table 7-5	Economic Impact of the Shoreside Processing Industry in Kodiak during the Fourth Quarter, 1992	7-10
Table 7-6	1992 Purchases of Fish & Shellfish in Kodiak by the Shoreside Processing Industry (by quarter, in pounds)	7-11

CHAPTER 8 Impacts in Prince William Sound

Table 8-1	Economic Impact of the Shoreside Processing Industry in Prince William Sound during 1992	8-6
Table 8-2	Economic Impact of the Shoreside Processing Industry in Prince William Sound during the First Quarter, 1992	8-7
Table 8-3	Economic Impact of the Shoreside Processing Industry in Prince William Sound during the Second Quarter, 1992	8-8
Table 8-4	Economic Impact of the Shoreside Processing Industry in Prince William Sound during the Third Quarter, 1992	8-9
Table 8-5	Economic Impact of the Shoreside Processing Industry in Prince William Sound during the Fourth Quarter, 1992	8-10
Table 8-6	1992 Purchases of Fish & Shellfish in Prince William Sound by the Shoreside Processing Industry (by quarter, in pounds)	8-11

CHAPTER 9 Impacts in Southeast Alaska

Table 9-1	Economic Impact of the Shoreside Processing Industry in Southeast during 1992	9-6
Table 9-2	Economic Impact of the Shoreside Processing Industry in Southeast during the First Quarter, 1992	9-7
Table 9-3	Economic Impact of the Shoreside Processing Industry in Southeast during the Second Quarter, 1992	9-8

List of Tables

Table 9-4	Economic Impact of the Shoreside Processing Industry in Southeast during the Third Quarter, 1992	9-9
Table 9-5	Economic Impact of the Shoreside Processing Industry in Southeast during the Fourth Quarter, 1992	9-10
Table 9-6	1992 Purchases of Fish & Shellfish in Southeast by the Shoreside Processing Industry (by quarter, in pounds)	9-11

List of Figures

CHAPTER 2 Review of Statewide Impacts

Figure 2-1	Distribution of Direct Expenditures by the Shoreside Processing Industry in Alaska during 1991	2-2
Figure 2-2	Percent Distribution of Expenditures by the Shoreside Processing Industry in Alaska during 1992	2-2
Figure 2-3	Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total pounds)	2-4
Figure 2-4	Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total value)	2-4
Figure 2-5	Distribution of Fish & Shellfish Purchased by the Shoreside Processing Industry in Alaska during 1992 by Region (in percent of total pounds)	2-5
Figure 2-6	Distribution of Fish & Shellfish Purchased by the Shoreside Processing Industry in Alaska during 1992 by Region (in percent of total pounds) (in percent of total value)	2-5
Figure 2-7	Distribution of Salmon by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total pounds)	2-7
Figure 2-8	Distribution of Salmon by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total value)	2-7
Figure 2-9	Distribution of Groundfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total pounds)	2-10

List of Figures

Figure 2-10	Distribution of Groundfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total value)	2-10
Figure 2-11	Distribution of Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total pounds)	2-12
Figure 2-12	Distribution of Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total value)	2-12
Figure 2-13	Distribution of Expenditures of Goods & Services by the Shoreside Processing Industry in Alaska during 1992 (in dollars)	2-14
Figure 2-14	Distribution of Expenditures for Consumables made by the Shoreside Processing Industry in Alaska during 1992 (in percent of total dollars spent, by region)	2-15
Figure 2-15	Distribution of Expenditures for Services made by the Shoreside Processing Industry in Alaska during 1992 (in percent of total dollars spent, by region)	2-16
Figure 2-16	Shoreside Seafood Processing Employment by Quarter during 1992 (in numbers of employees, by region)	2-17
Figure 2-17	Quarterly Distribution of Shoreside Processing Employee Wages & Benefits during 1992 (all regions combined)	2-18
Figure 2-18	Distribution of Shoreside Processing Employee Wages & Benefits during 1992 (by region, in percent)	2-19
Figure 2-19	Distribution of Shoreside Processing Employee Wages & Benefits during 1992 (by region, in dollars)	2-20

List of Figures

Figure 2-20	Percentage of Available Jobs in the Region Encompassing Kodiak, Bristol Bay, the Alaska Peninsula, and the Aleutian Islands during 1992	2-20
Figure 2-21	State and Local Fish Taxes Paid by the Shoreside Processing Industry during 1992 (by quarter, in dollars)	2-21
Figure 2-22	Amount of State and local Fish Taxes Paid by the Shoreside Processing Industry during 1992 and Available for Use in the Community (by quarter, in dollars)	2-22
Figure 2-23	Amount of State and local Fish Taxes Paid by the Shoreside Processing Industry during 1992 and Available for Use in the Community (by region, in dollars)	2-22
Figure 2-24	Comparison of revenue Sources Aleutians East Borough 1992 Revenues (in percent of total dollars)	2-23

CHAPTER 3 Review of Impacts in the Alaska Peninsula

Figure 3-1	Distribution of Direct Expenditures by the Shoreside Seafood Processing in the Alaska Peninsula during 1992	3-1
Figure 3-2	Percentage Distribution of Expenditures by the Shoreside Seafood Industry in the Alaska Peninsula During 1992	3-2
Figure 3-3	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in the Alaska Peninsula during 1992 (in percent of total pounds)	3-3
Figure 3-4	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in the Alaska Peninsula during 1992 (in percent of total value)	3-3
Figure 3-5	Comparison of Government, Seafood Processing, and Other Private Sector Employment in the	3-3

List of Figures

Aleutians East Borough during 1992 (in numbers of jobs)

Figure 3-6	Percentage Distribution of Government, Seafood Processing, & Other Private Sector Employment in the Aleutians East Borough during 1992	3-5
------------	--	-----

CHAPTER 4 Review of Impacts in Bristol Bay

Figure 4-1	Distribution of Direct Expenditures by the Shoreside Seafood Processing in Bristol Bay during 1992	4-1
Figure 4-2	Percentage Distribution of Expenditures by the Shoreside Seafood Industry in Bristol Bay During 1992	4-2
Figure 4-3	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Bristol Bay during 1992 (in percent of total pounds)	4-3
Figure 4-4	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Bristol Bay during 1992 (in percent of total value)	4-3

CHAPTER 5 Economic Impacts in the Bering Sea/Aleutians Region

Figure 5-1	Distribution of Direct Expenditures by the Shoreside Seafood Processing in the Bering Sea/Aleutians during 1992	5-1
Figure 5-2	Percentage Distribution of Expenditures by the Shoreside Seafood Industry in the Bering Sea/Aleutians During 1992	5-2
Figure 5-3	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in the Bering Sea/Aleutians during 1992 (in percent of total pounds)	5-3
Figure 5-4	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside	5-3

Processing Industry in Bristol Bay during 1992
(in percent of total value)

CHAPTER 6 Impacts in the Kenai/Cook Inlet Region

Figure 6-1	Distribution of Direct Expenditures by the Shoreside Seafood Processing in the Kenai/Cook Inlet Region during 1992	6-1
Figure 6-2	Percentage Distribution of Expenditures by the Shoreside Seafood Industry in the Kenai/Cook Inlet Region During 1992	6-2
Figure 6-3	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in the Kenai/Cook Inlet Region during 1992 (in percent of total pounds)	6-3
Figure 6-4	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in the Kenai/Cook Inlet Region during 1992 (in percent of total value)	6-3

CHAPTER 7 Impacts in the Kodiak Region

Figure 7-1	Distribution of Direct Expenditures by the Shoreside Seafood Processing in Kodiak during 1992	7-1
Figure 7-2	Percentage Distribution of Expenditures by the Shoreside Seafood Industry in Kodiak During 1992	7-2
Figure 7-3	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Kodiak during 1992 (in percent of total pounds)	7-3
Figure 7-4	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Kodiak during 1992 (in percent of total value)	7-3

List of Figures

CHAPTER 8 Impacts in Prince William Sound

Figure 8-1	Distribution of Direct Expenditures by the Shoreside Seafood Processing in Prince William Sound during 1992	8-1
Figure 8-2	Percentage Distribution of Expenditures by the Shoreside Seafood Industry in Prince William Sound During 1992	8-2
Figure 8-3	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Prince William Sound during 1992 (in percent of total pounds)	8-3
Figure 8-4	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Prince William Sound during 1992 (in percent of total value)	8-3
Figure 8-5	Distribution of Salmon Purchased by the Shoreside Processing Industry in Prince William Sound during 1992 (in percent of pounds)	8-4
Figure 8-6	Distribution of Salmon Purchased by the Shoreside Processing Industry in Prince William Sound during 1992 (in percent of value)	8-4

CHAPTER 9 Impacts in Southeast Alaska

Figure 9-1	Distribution of Direct Expenditures by the Shoreside Seafood Processing in Southeast during 1992	9-1
Figure 9-2	Percentage Distribution of Expenditures by the Shoreside Seafood Industry in Southeast During 1992	9-2
Figure 9-3	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Southeast during 1992 (in percent of total pounds)	9-3
Figure 9-4	Distribution of Fish and Shellfish by Major Species Category Purchased by the Shoreside	9-3

List of Figures

Processing Industry in Southeast during 1992
(in percent of total value)

Figure 9-5	Distribution of Salmon Purchased by the Shoreside Processing Industry in Southeast during 1992 (in percent of pounds)	.....	9-4
Figure 9-6	Distribution of Salmon Purchased by the Shoreside Processing Industry in Southeast during 1992 (in percent of value)	.....	9-4

Executive Summary

The purpose of this report is to quantify the economic impact of the shoreside seafood industry during 1992 upon Alaska, its communities and regions. The report is organized into several chapters that address purchases of fish and shellfish (in pounds and ex-vessel value) on a statewide and regional basis, purchases of goods and services within regions, the generation of revenues to the state, local municipalities and boroughs through taxation, the economic impact of employment, and a review of the regional economic impacts of the shoreside industry.

The seafood industry is Alaska's largest private sector employer; more than 35,000 people are employed in the harvesting and processing sectors of the industry. In some coastal regions of Alaska, the seafood industry generates nearly all economic activity. The shoreside processing sector of the industry is composed of over 550 facilities. Although the bulk of the industry consists of approximately 100 plants, the huge impact of the industry in Alaska is reflected by the large number of small processing facilities; many families throughout Alaska derive a substantial portion of their livelihood from small scale, shoreside seafood processing.

This report identifies the economic impact of the direct and indirect expenditures by the shoreside seafood processing industry upon various regions within Alaska. The indirect expenditures constitute a multiplier. Since there is no commonly accepted multiplier for the seafood industry, we have used a factor of 2.5 to determine the total direct and indirect expenditures (for every \$1 spent in directed expenditures, an additional \$1.50 is generated). This seems reasonable given the conservative estimates of direct expenditures and the very substantial impact the industry has on coastal Alaska.¹

The expenditures identified in this report were generated from a number of sources, including detailed, confidential information from members of the Pacific Seafood Processors Association, who identified in-state and local spending by plant location in Alaska. Municipal and borough governments, and various state and federal agencies, also provided information.

The information received from state and federal agencies on harvests and landings in Alaska conflicted at times. This was due to confidentiality provisions that restrict the type of information available to the general public. In some instances, the data generated by this report (with regard to landings) will vary from the total harvest levels of a species. In part this is due to the data, and in part it is due to the transfer of fish and shellfish outside of Alaska for processing.

¹ A 1987 report by Matthew Berman and Teresa Hull for the Institute of Social and Economic Research, University of Alaska, Anchorage, entitled The Commercial Fishing Industry in Alaska's Economy, identified a statewide multiplier of 1.73 (for every \$1 spent, an additional 73¢ is generated) for the seafood industry. The authors cautioned that this could easily be a conservative estimate based upon several variables; additionally, they reasoned that changes in the industry during the near future could generate an increase in the multiplier.

Executive Summary

The regions used in this report consist of the following:

Alaska Peninsula: Chignik and the Aleutians East Borough (minus Akutan).

Bristol Bay: The Bristol Bay region.

Bering Sea/Aleutian Islands: Unalaska/Dutch Harbor, Akutan, villages in the Aleutians west of Unalaska, and the Pribilof Islands.

Kenai/Cook Inlet/Anchorage: The Kenai Peninsula, including Seward, and Anchorage.

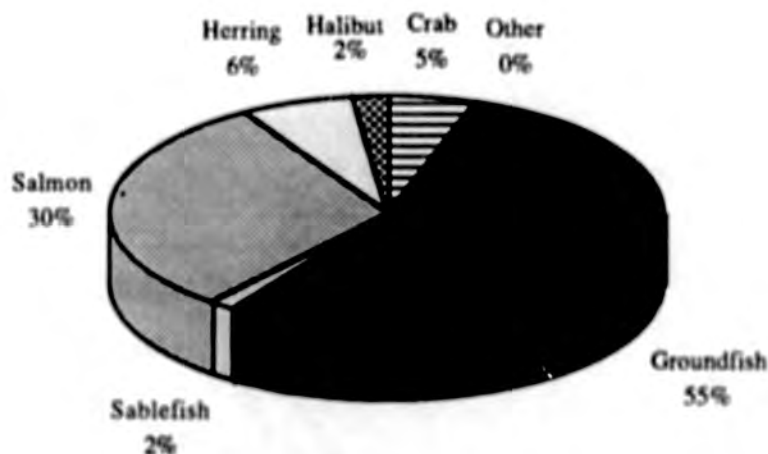
Kodiak: All communities in the Kodiak Island Borough.

Prince William Sound: Cordova, Whittier, and Valdez.

Southeast: All communities south of, and including, Yakutat.

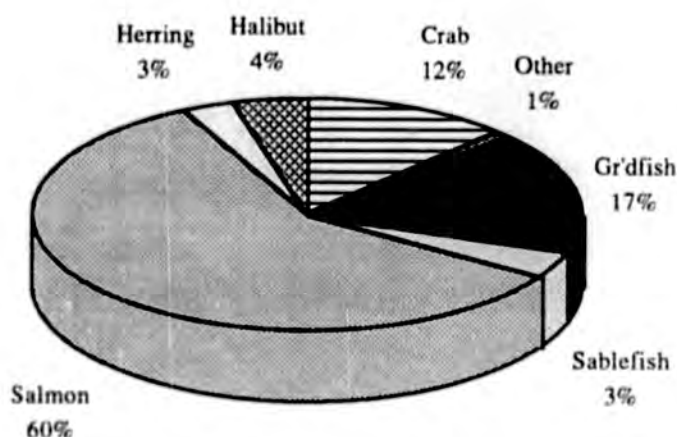
In 1992, the shoreside seafood industry processed 2.26 billion pounds of fish and shellfish in Alaska communities — an average of 6.2 million pounds per day. Each day's production by Alaska's shoreside processing sector produced enough food to feed 774,000 people.

Figure 1
Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total pounds)



The ex-vessel value of the species harvested was over \$1 billion. On a quarterly basis, 15% of the value occurred during the first quarter, 34% in the second quarter, 44% in the third quarter, and 7% in the fourth quarter.

Figure 2
Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total value)



The Bering Sea/Aleutians region accounted for \$215.5 million of total fish and shellfish purchases, followed by Bristol Bay with \$220.5 million, Southeast Alaska with \$165 million, the Alaska Peninsula with \$124 million, Kodiak with \$110 million, and Prince William Sound with \$56 million. (See Figure 3.)

An average of 11,233 individuals per month were directly employed by the shoreside sector in Alaska during 1992; at peak employment, over 16,000 individuals were employed in processing facilities. The total direct payroll during 1992 was \$271 million; an additional \$101 million was spent on employee fringe benefits and other related costs, bringing the total directly expended for shoreside processing employees to \$371.5 million. (See Figure 4.)

The seafood industry is the economic engine for many communities and regions within coastal Alaska. The purchase of fish and shellfish by shoreside processors sets in motion an entire economic structure that affects all ways of life in each community. In preparation for the fishing season, harvesters employ crew members and purchase goods and supplies; following the delivery of the harvest and production, the products must be transshipped to the market. Each individual employed and each dollar expended in the community, contributes to another job in the community — which, in turn, generates additional employment and expenditures within the community.

Executive Summary

Figure 3
Distribution of Fish & Shellfish Purchased by the Shoreside Processing Industry
in Alaska during 1992 by Region (in percent of total value)

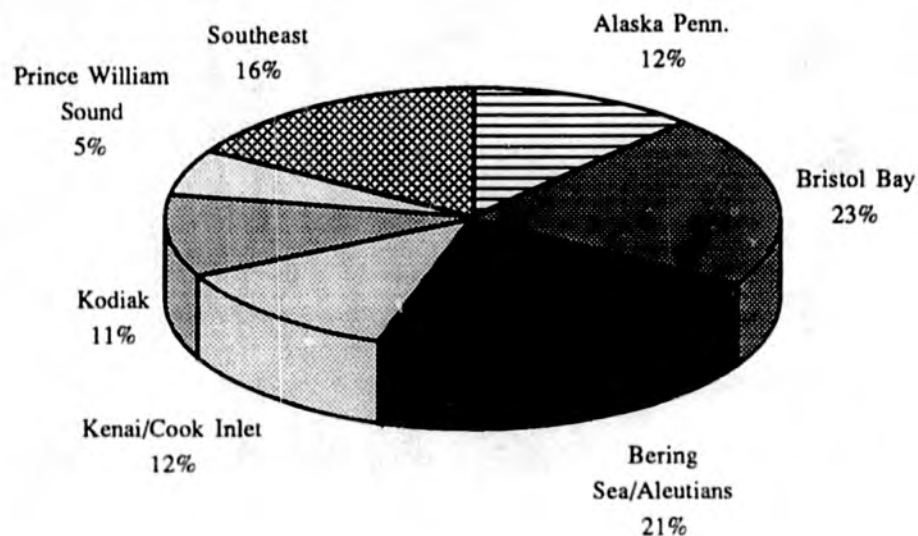
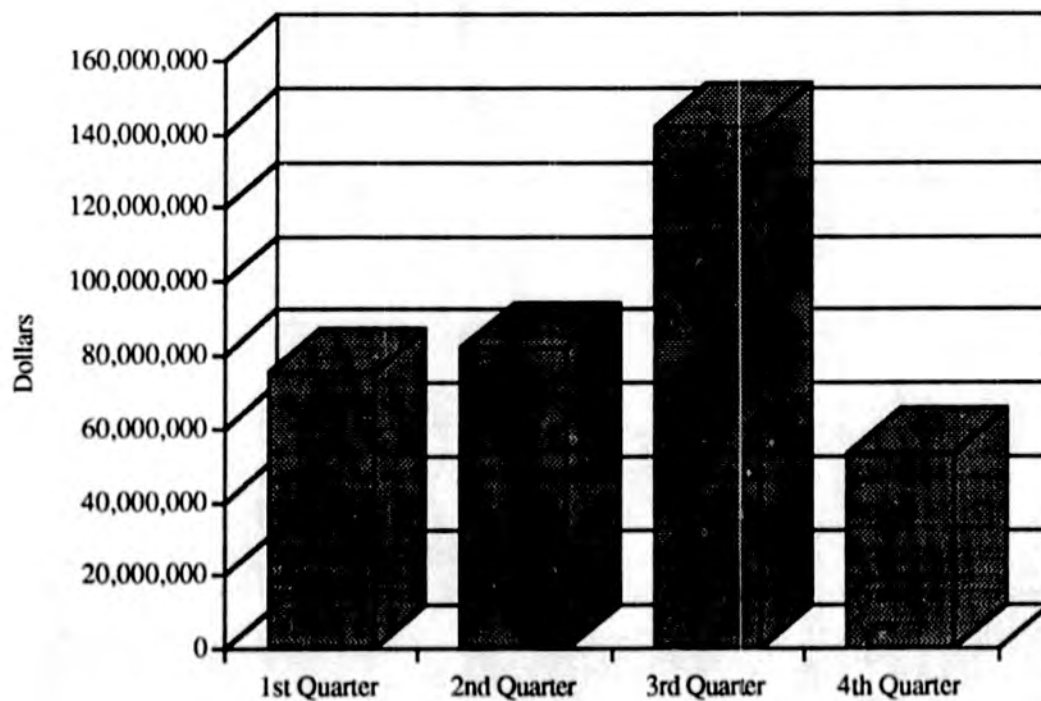
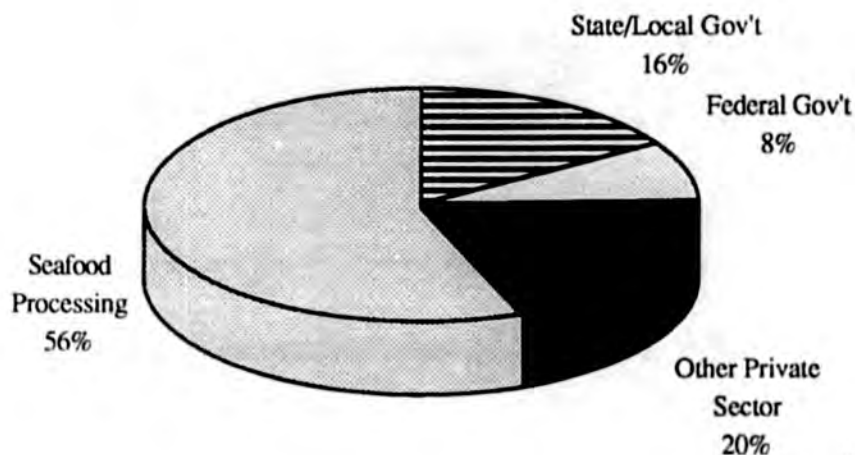


Figure 4: Distribution of Shoreside Processing Employee Wages & Benefits during 1992 (all regions combined)



For example, in the region encompassing Kodiak, Bristol Bay, the Alaska Peninsula, and the Aleutian Islands during 1992, 56% of total employment opportunity during 1991 consisted of seafood processing — the remainder was split between other private sector employment (20%), and government (24%). (See Figure 5.) Bear in mind the 56% seafood processing figure does not include crew jobs or captain positions on fishing vessels. Most of the other private sector jobs are in industries that directly provide services to the shoreside seafood processing industry; as processing employment increases, so does employment opportunity elsewhere in the private sector.

Figure 5
Percentage of Available Jobs in the Region Encompassing Kodiak, Bristol Bay, the Alaska Peninsula, and the Aleutian Islands during 1992



Over \$64 million in goods and services were purchased directly by the shoreside processing sector in Alaska communities from local vendors and municipalities. This includes \$32 million for consumables, \$22 million for services, and \$10 million for water, sewer, and utilities. (See Figure 6.)

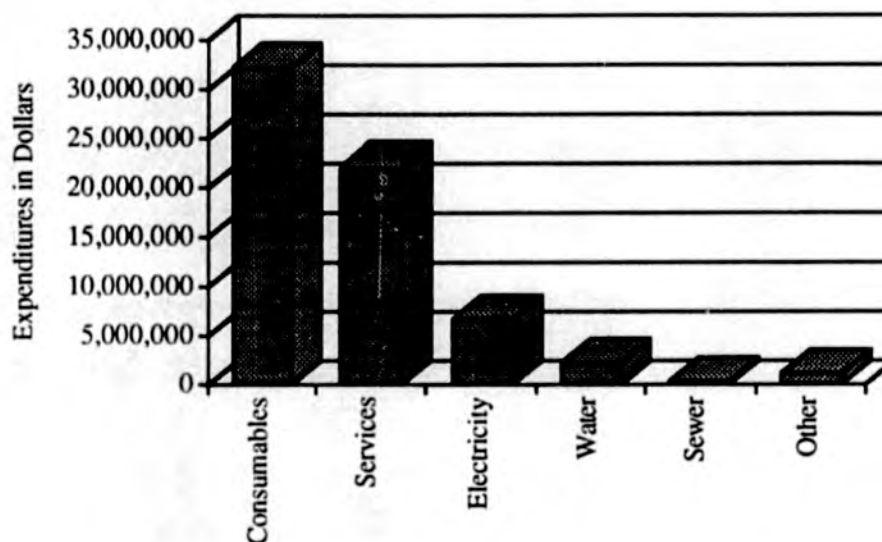
The shoreside processing sector also paid over \$57 million in state and local raw taxes for their purchases of fish and shellfish. Of this amount, approximately \$36.5 million was paid directly to the communities and region served by the shoreside processing sector; one-half of the state fish tax (\$21 million) and all of the local raw fish tax (\$15.5 million).

Payments of taxes and other fees made by the shoreside seafood processing industry constitute significant contributions to the overall revenues available to most municipalities and boroughs in coastal Alaska. In the Aleutians East Borough, for example, 80% of total revenues during 1992 were composed of fish taxes paid by the shoreside processing industry. (See Figure 7.)

Executive Summary

Additionally, the shoreside processing industry contributed over \$1 million to local charity, scholarship, and other programs.

Figure 6
Distribution of Expenditures of Goods & Services Made by the
Shoreside Processing Industry in Alaska during 1992 (in dollars)



The total economic impact of the industry upon Alaska communities during 1992 was nearly \$4 billion. On a regional basis, the total economic impact consisted of the following:

Alaska Peninsula	\$ 526,127,727
Bristol Bay	\$ 708,301,858
Aleutians/Bering Sea	\$ 959,740,898
Kenai/Cook Inlet/Anchorage	\$ 418,255,167
Kodiak	\$ 424,491,064
Prince William Sound	\$ 182,081,210
Southeast	\$ 546,556,690
Other Alaska	\$ 120,762,976
<u>Total</u>	<u>\$ 3,886,317,589</u>

Figure 7
Comparison of Revenue Sources for Aleutians East Borough 1992 Revenues
(in percent of total dollars)

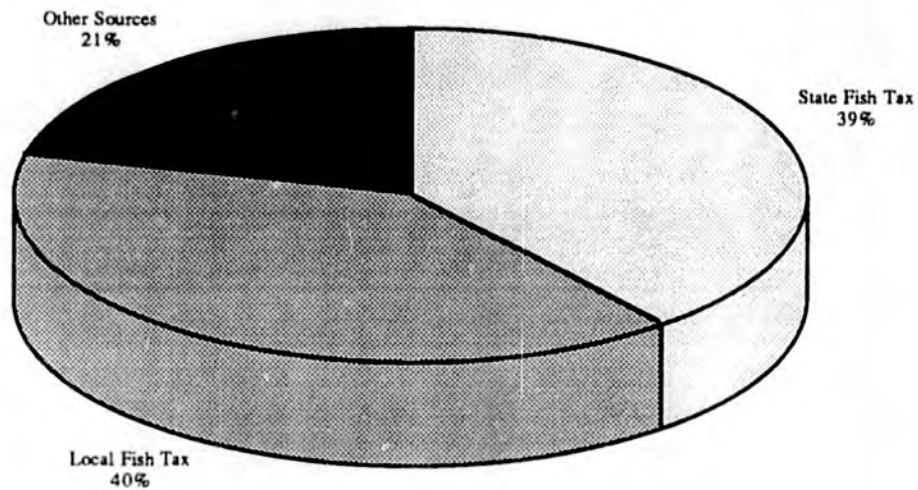
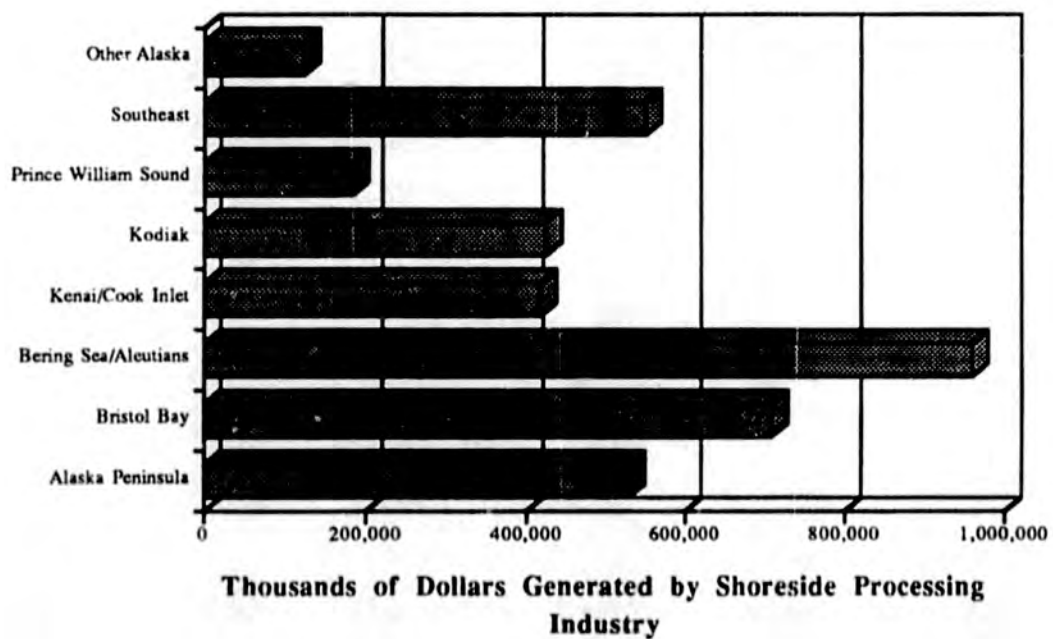


Figure 8
Economic Impact of the Shoreside Processing Industry in Alaska during 1992
(by region, in thousands of dollars)



Chapter 1

Introduction

1.1 Purpose/Organization of Document

The seafood industry is Alaska's largest private sector employer. In excess of 35,000 people are employed in the harvesting and processing sectors of the industry. In many coastal regions of Alaska, the seafood industry generates nearly all economic activity. The revenues generated by the industry, directly and indirectly, serve as the economic backbone for a large part of Alaska.

The shoreside processing sector of the industry is composed of over 550 facilities. Although the bulk of the industry consists of approximately 100 plants, the huge impact of the industry in Alaska is reflected by the large number of small processing facilities; many families throughout Alaska derive a substantial portion of their livelihood from small scale, shoreside seafood processing.

The purpose of this report is to quantify the economic and social impact of the shoreside seafood processing industry upon Alaska, its communities and regions. The report is organized into several chapters that address purchases of fish and shellfish (in pounds and ex-vessel value) on a statewide and regional basis, purchases of goods and services within regions, the generation of revenues to the state, local municipalities and boroughs through taxation, the economic impact of employment, and a review of the regional economic impacts of the shoreside industry. Tables and graphs are widely dispersed to provide detailed information.

1.2 Methodology

The data used in this report came from several different sources. Initially, a questionnaire was provided to all the members of the Pacific Seafood Processors Association requesting the detailed information described below:

- The number of full-time equivalent individuals employed in Alaska shoreside facilities, their gross pay, the number hired in Alaska, the number flown to and from Alaska, and the cost of air fare. This information was provided by month for 1991 and 1992.
- The expenditures for consumables, services, electricity, water, sewer, and "other" items by each company for each of their shoreside facilities. This information was provided by quarter.

Chapter 1, Introduction

- The amount and type of charitable and other donations made during the time period 1990 through 1992.
- The pounds of fish and shellfish purchased. This information was provided for a five year period, by quarter.

The response from PSPA members was excellent. Information was provided on a plant by plant basis, which made it possible to localize the data to specific communities and regions.

Municipal and borough governments also provided detailed social and economic information regarding the source of local government revenues by category (water, sewer, etc.), and the impact of the industry upon their communities.

1.2.1 Comments on Data and Calculations

The expenditures detailed in this report were generated from a number of sources. In some cases, where conflicting information was received, choices had to be made concerning which data set to use. In those instances, the author's knowledge of the industry and discussions with other industry sources, resulted in the determination.

The information from the PSPA respondents was collated by region and quarter on a series of spread sheets. The information was compared with other data provided by state, local, and federal agencies. In some cases, such as purchases of goods and services, insufficient data exists in the government agencies to determine the level of expenditures; in those cases, the data generated from the PSPA responses was used as a base to extrapolate total expenditures throughout the industry.

1.2.2 Employment

Employment information was received from the responding companies, and detailed the number of full time equivalent employees, the gross salary, the percentage of employees hired within Alaska, the number of employees flow to the work site, and the total cost of airfare. All of this information was provided on a month by month, and a work site by work site, basis.

Total seafood employment and accompanying wage information was provided by the Alaska Department of Labor through a special data run. The information provided by DOL will vary from the information contained in their quarterly and annual publications on employment in Alaska. This is because those reports do not specifically break out seafood processing employment, but include it as part of a larger employment grouping. Additionally, confidentiality restrictions make it difficult for the DOL to publish some employment information on a community by community basis. As a result, the employment numbers generated by the special data run occasionally result in greater employment in a region or community than shown on the DOL quarterly and annual reports.

To calculate the total airfare expense incurred by the shoreside seafood processing sector, the responses from PSPA provided sufficient information to determine the average percentage of employees flown to and from a work site by month and region during the year, as well as the average cost of air fare per employee flown. These percentages were applied to total seafood processing employment in the region during the quarter to extrapolate the total number of employees transported by air and the attendant cost. The variable in this calculation is the assumption that non-responding companies experience the same ratios as the PSPA responding companies.

1.2.3 Harvest Data

Data on harvest and landing were generated by the reports received from the responding PSPA members, a special data run by the Alaska Department of Fish & Game (ADF&G), and a special data run by the Commercial Fisheries Entry Commission (CFEC). The data from each source varied. The PSPA data was reported by plant location, by species. The ADF&G data was reported by broad region, by species and value. The CFEC data was reported by smaller regions than ADF&G, by species and ex-vessel value. The ADF&G data showed total shoreside landings within large regions of the state; the CFEC data showed total harvest by smaller regions.

The information received from various state and federal agencies on harvests and landings in Alaska conflicted at times. This was due to confidentiality provisions that restrict the type of information available to the general public. For example, data on the amount of a species that was landed in a particular community or region could not be divulged unless there were at least four different facilities that purchased that species and all four facilities had different corporate owners.

This made it extremely difficult to accurately determine landings by species by region. In some cases, there are sufficient facilities and owners — and a large enough harvest — to meet the confidentiality requirement; often, however, the information could only be provided in such a way as to mask the facilities and the regions in which the landings occurred. The end result was that estimates had to be made as to the level of landings of various species in various regions.

In some instances, the data generated by this report (with regard to landings) will vary from the total harvest levels of a species. In part this is due to the data, but it is also due to the transfer of fish and shellfish outside of Alaska for processing. Additionally, harvest and processing activities by catcher/processors (vessels that have the capacity to both harvest and process their catch) are not included in this report. Since their activities account for a large portion of the crab and groundfish harvests, the total landings of those species will be lower than the overall harvest levels.

1.2.4 Regions

The regions used in this report consist of the following:

Chapter 1, Introduction

Alaska Peninsula: Chignik and the Aleutians East Borough (minus Akutan).

Bristol Bay: The Bristol Bay region.

Bering Sea/Aleutians: Unalaska/Dutch Harbor, Akutan, villages in the Aleutians west of Unalaska, and the Pribilof Islands.

Kenai/Cook Inlet: The Kenai Peninsula, including Seward, and Anchorage.

Kodiak: All communities in the Kodiak Island Borough.

Prince William Sound: Cordova, Whittier, and Valdez.

Southeast: All communities south of, and including, Yakutat.

These regions vary from those used by the Alaska Department of Labor to identify employment in Alaska, those used by the Alaska Department of Fish & Game and the Commercial Fisheries Entry Commission to identify commercial fishery regions, and those used by the National Marine Fisheries Service to identify groundfish harvest regions. In fact, most of the regions used by the above agencies do not match.

1.2.5 The Use of Multipliers

There is no commonly accepted multiplier for the seafood industry. A 1987 report by Matthew Berman and Teresa Hull for the Institute of Social and Economic Research, University of Alaska, Anchorage, entitled The Commercial Fishing Industry in Alaska's Economy, is perhaps the most extensive work that has been done to analyze the downstream impact of direct expenditures in the industry. Berman and Hull identified a statewide multiplier of 1.73 (for every \$1 spent, an additional 73¢ is generated) for the seafood industry. They cautioned, however, that this could easily be a conservative estimate based upon several variables; additionally, they reasoned that changes in the industry during the near future could generate an increase in the multiplier.

For the purpose of this report, we have used a factor of 2.5 to determine total direct and indirect expenditures (for every \$1 spent in directed expenditures, an additional \$1.50 is generated). This seems appropriate for the following reasons:

- The estimates of direct expenditures in this report are conservative;
- There was substantially greater shoreside activity resulting from the fishing industry in Alaska in 1991 than there was in 1987; and,

- In many regions and communities, the fishing industry is the only source of primary economic activity; most, if not all, of the other economic activity in the region results from the shoreside seafood industry.¹

1.3 Overview

In 1992, the shoreside seafood industry processed 2.26 billion pounds of fish and shellfish in Alaska communities, or an average of 6.2 million pounds each day of the year. Assuming an across the board product recovery rate of 50% and an average serving size of one-quarter pound per person per meal, each day's production by Alaska's shoreside processing sector produces enough food to feed 774,000 people.

In terms of employment during 1992, an average of 11,233 individuals were directly employed by the shoreside sector in Alaska on a monthly basis; during peak employment in the third quarter, over 16,000 individuals were employed by shoreside seafood processing companies. The total payroll direct payroll during 1992 was \$271 million; an additional \$101 million was spent on employee fringe benefits and other related costs, bringing the total expended for shoreside processing employees to \$371.5 million.

Over \$64 million in goods and services were purchased directly by the shoreside processing sector in Alaska communities from local vendors and municipalities. This includes \$32 million for consumables, \$22 million for services, and \$10 million for water, sewer, and utilities. In many locations, the expenditures by the local processor account for the vast majority of income for the local vendor or utility, thereby making it possible for other members of the community to benefit from access to those services.

The shoreside processing sector also paid \$57 million in state and local raw taxes for their purchases of fish and shellfish. Of this amount, approximately \$36.5 million was paid directly to the communities and region served by the shoreside processing sector: one-half of the state fish tax (\$21 million) and all of the local raw fish tax (\$15.5 million). In some communities and boroughs, taxes paid by the shoreside processing facility for fish purchased and processed in the community account for nearly all of the income generated by the community. In the Aleutians East Borough, for example, revenues from fish taxes account for 80% of the total revenue received by the borough.

Additionally, the shoreside processing industry contributed over \$1 million to local charity, scholarship, and other programs.

The total economic impact of the industry upon Alaska communities during 1992 was

¹In the Aleutians East Borough during 1992, the shoreside seafood industry accounted for 80% of total revenues; in Kodiak, over 30% of the available employment on a year-round basis is seafood processing; in dozens of communities from Pelican to Togiak, the only source of economic activity is the shoreside seafood industry.

Chapter 1, Introduction

nearly \$4 billion. On a regional basis, the total economic impact consists of the following:

Alaska Peninsula	\$ 526,127,727
Bristol Bay	\$ 708,301,858
Aleutians/Bering Sea	\$ 959,740,898
Kenai/Cook Inlet/Anchorage	\$ 418,255,167
Kodiak	\$ 424,491,064
Prince William Sound	\$ 182,081,210
Southeast	\$ 546,556,690
Other Alaska	\$ 120,762,976
<u>Total</u>	<u>\$ 3,886,317,589</u>

Chapter 2

Economic Impacts Statewide

2.1 Introduction

Commencing with this chapter and continuing through the remainder of this report, are a series of five tables at the start of each chapter that detail the expenditures by category of shoreside processing industry purchases during 1992. In each chapter the tables are specific to the region addressed in that chapter. The tables consist of 5 pages: the first page provides annual data on expenditures, while the remaining four pages provide quarterly data. The categories consist of employment, purchases of goods and services, taxes, fish and shellfish purchases, and donations. Overviews for purchases of fish and shellfish, purchases of goods and services, and employment impacts are contained in this chapter.

Tables 2-1 through 2-5 display the statewide annual and quarterly economic impact of the shoreside seafood processing industry during 1992. The total economic impact upon Alaska was \$4 billion, of which \$1.5 billion consisted of direct expenditures. Of the direct expenditures, \$1 billion (67%) was spent on purchases of fish and shellfish, \$372 million (24%) was spent on labor, \$64.5 million (4%) was spent on purchases of goods and services, \$81.5 million (5%) was spent on tax related items, and \$1.3 million was contributed to charitable causes. Figure 2-1 shows the expenditures by category as a percent of the total, while Figure 2-2 shows the distribution by quarter.

On an annual basis, shoreside seafood processing companies spent \$0.69 in Alaska for every pound of fish and shellfish processed during 1992.

2.2 Purchases of Fish and Shellfish

During 1992, the purchases of all species of fish and shellfish by Alaska's shorebased seafood processing companies amounted to nearly 2.3 billion pounds. Of this amount, 123 million pounds were shellfish, 1.2 billion pounds were groundfish, 687 million pounds were salmon, 145 million pounds were herring, 48 million pounds were halibut, 35 million pounds were sablefish, and 7 million pounds were other species. Table 2-6 reviews purchases by individual species and quarter. (See Chapters 3 through 9 for a review of purchases by region.)

On a regional basis statewide, the Unalaska/Akutan region dominated with 969 million pounds of total purchases (43%), followed by Kodiak with 309 million pounds (14%), Southeast Alaska with 268 million pounds (12%), Bristol Bay with 247 million pounds (11%), the Alaska Peninsula with 230 million pounds (10%), Prince William Sound with 102 million pounds (5%), and Kenai/Cook Inlet with 110 million pounds (5%). Other Alaska regions accounted for 20 million pounds (1%). (See Table 2-7.)

Chapter 2. Economic Impacts Statewide

Figure 2-1
Distribution of Direct Expenditures by the Shoreside Processing Industry
in Alaska during 1992

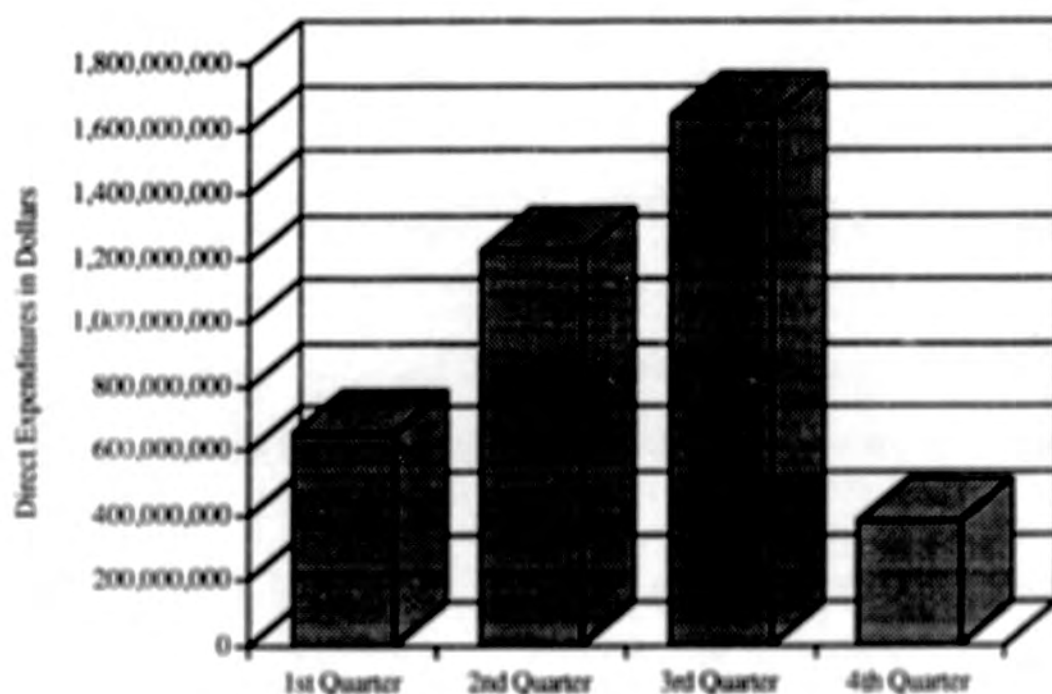
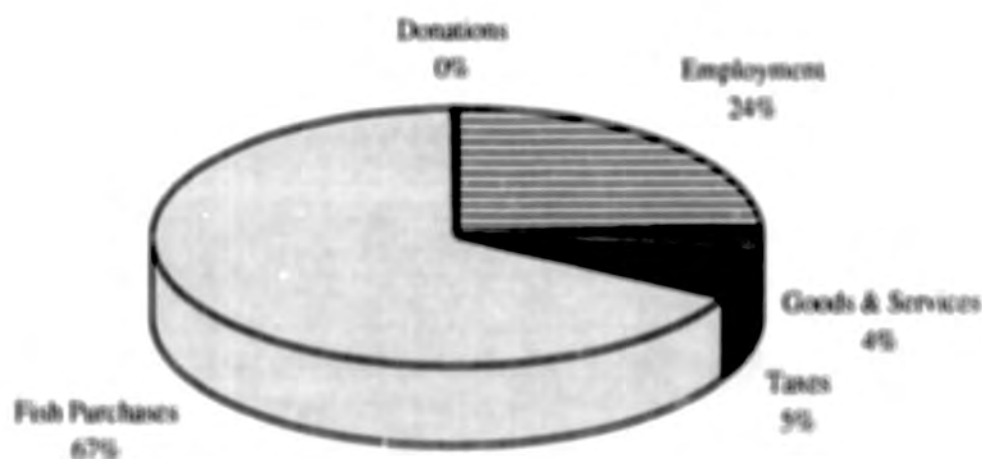


Figure 2-2
Percent Distribution of Expenditures by the Shoreside Processing Industry
in Alaska during 1992



On a percentage of harvest by quarter basis, 85% of the first quarter harvest consisted of groundfish purchases and 12% consisted of crab purchases; the second quarter was more evenly distributed, with 42% of total purchases consisting of salmon, 18% groundfish, and 25% herring; the third quarter consisted of 50% salmon purchases and 46% groundfish purchases; and groundfish and crab dominated in the fourth quarter with 80% and 18% of the total respectively. (See Table 2-8.)

The ex-vessel value of the species harvested was \$1 billion. Table 2-9 shows the ex-vessel value by species and quarter, while Table 2-10 reviews the ex-vessel value by species group. On a quarterly basis, 15% of the value occurred during the first quarter, 34% in the second quarter, 44% in the third quarter, and 7% in the fourth quarter. Overall, salmon represented 59% of the total value, followed by 17% for groundfish, 12% for crab, 4% for halibut, 3% for sablefish, 3% for herring, and 1% for other species.

On a regional basis statewide, Bristol Bay accounted for \$221 million (21%) of total fish and shellfish purchases, followed by the Aleutians/Bering Sea region with \$216 million (21%), Southeast Alaska with \$165 million (16%), the Alaska Peninsula with \$124 million (12%), Kodiak with \$110 million (11%), Kenai/Cook Inlet with \$127 million (12%), and Prince William Sound with \$56 million (5%). Other Alaska regions accounted for \$18 million (2%). (See Table 2-11.)

Figures 2-3 and 2-4 display the distribution of fish and shellfish purchased by the shoreside processing industry as a percent of total pounds and total value, by major species group, respectively. Figures 2-5 and 2-6 show the distribution of fish and shellfish purchased by the shoreside processing industry as a percent of total pounds and total value by region, respectively.

2.2.1 Salmon

The total salmon harvest statewide during 1992 was 687 million pounds, valued at \$607 million. The following is a review of each species:

Chinook Salmon: Total statewide purchases of chinook salmon were 10.8 million pounds. The total ex-vessel value was \$24.6 million. Landings of Chinook salmon were highest in Southeast Alaska where 3.8 million pounds of chinook were purchased. (See Table 2-12.)

Sockeye Salmon: Sockeye salmon purchases totaled 346 million pounds during 1992, the highest of any salmon species. The total ex-vessel value was \$460.7 million. Fifty-four percent of statewide sockeye landings occurred in Bristol Bay. (See Table 2-13.)

Coho Salmon: Fifty-four million pounds of coho salmon were purchased by the shoreside processors during 1992. The total value was \$49.3 million. The largest landings occurred in Southeast Alaska where 28.5 million pounds were purchased. (See Table 2-14.)

Chapter 2, Economic Impacts Statewide

Figure 2-3

Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992
(in percent of total pounds)

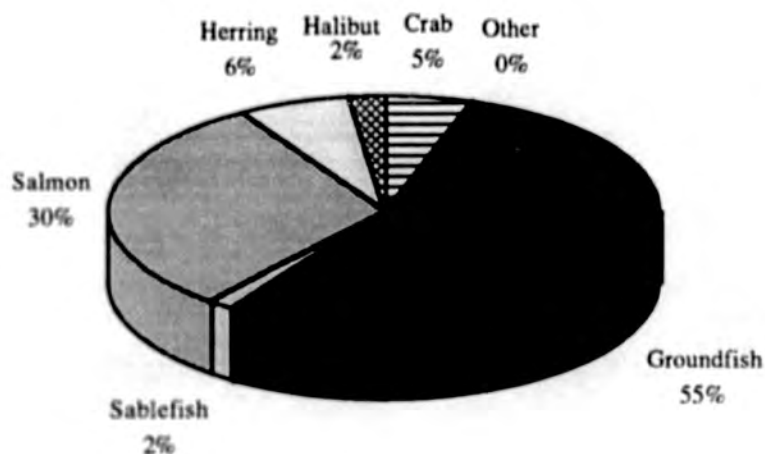


Figure 2-4

Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992
(in percent of total value)

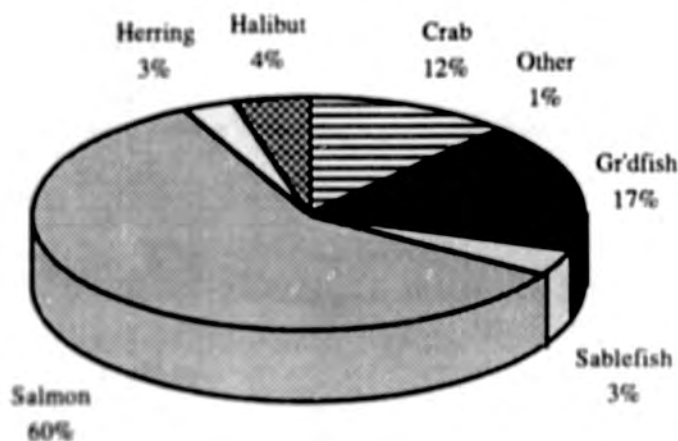


Figure 2-5

Distribution of Fish & Shellfish Purchased by the Shoreside Processing Industry
in Alaska during 1992 by Region
(in percent of total pounds)

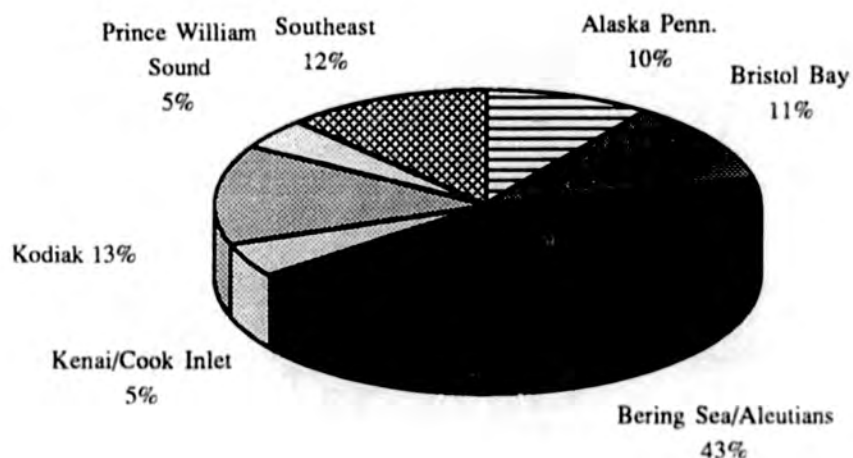
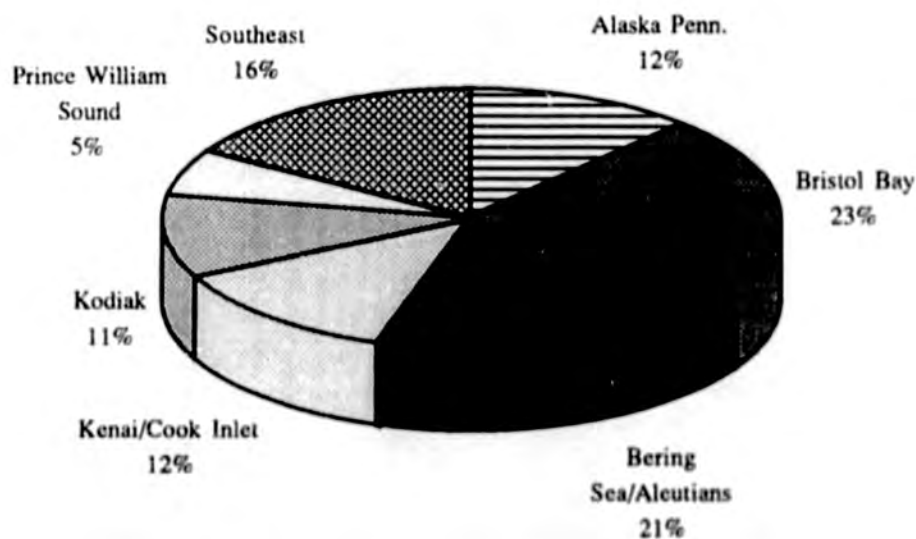


Figure 2-6

Distribution of Fish & Shellfish Purchased by the Shoreside Processing Industry
in Alaska during 1992 by Region (in percent of total value)



Chapter 2, Economic Impacts Statewide

Pink Salmon: Pink salmon constituted the second largest harvest of all salmon species during 1992, with 203.4 million pounds purchased. Shoreside processors in Southeast Alaska, the Alaska Peninsula, and Prince William Sound bought the bulk of pink salmon with purchases of 115 million pounds, 40.5 million, and 29.4 million pounds respectively. The total ex-vessel value was \$42 million. (See Table 2-15.)

Chum Salmon: Seventy-three million pounds of chum salmon were purchased by shoreside processors during 1992. The total ex-vessel value was \$30.3 million. The largest chum purchases were in Southeast Alaska where 39.5 million pounds were purchased. (See Table 2-16.)

Other Salmon: "Other" salmon are those from the A-Y-K region. For 1992, purchases of these salmon totaled 20.5 million pounds. The total ex-vessel value was \$17.6 million.

Figures 2-7 and 2-8 display the distribution of salmon purchased by species as a percent of total pounds and total value respectively.

Note that there were no salmon purchases applied to the Unalaska/Akutan/Aleutians West region. During 1992, there were no salmon fisheries in those regions; some limited processing did occur in Unalaska and Akutan, but the poundage figures and value were unavailable to the authors.

2.2.2 Halibut

Total landings and purchases of halibut in Alaska during 1992 were 48 million pounds. The total ex-vessel value was \$45 million. Kodiak, Southeast, and Kenai/Cook inlet led the state in landings with approximately 11 to 13 million pounds per region. (See Table 2-17.)

Halibut harvests occur throughout most of Alaska, although the bulk of the harvest is in the Gulf of Alaska. Information on halibut landing (purchases) by region were obtained from the International Pacific Halibut Commission (IPHC). The total landings are less than the total harvest since several million pounds of harvest were sold by the vessels in either British Columbia or Washington State.

2.2.3 Herring

The total amount of herring landed and purchased statewide during 1992 was 145.5 million pounds, valued at \$32 million. There are three types of herring fisheries: the spawn-on-kelp fishery, the food & bait fishery, and the sac roe fishery.

Figure 2-7
Distribution of Salmon by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992
(in percent of total pounds)

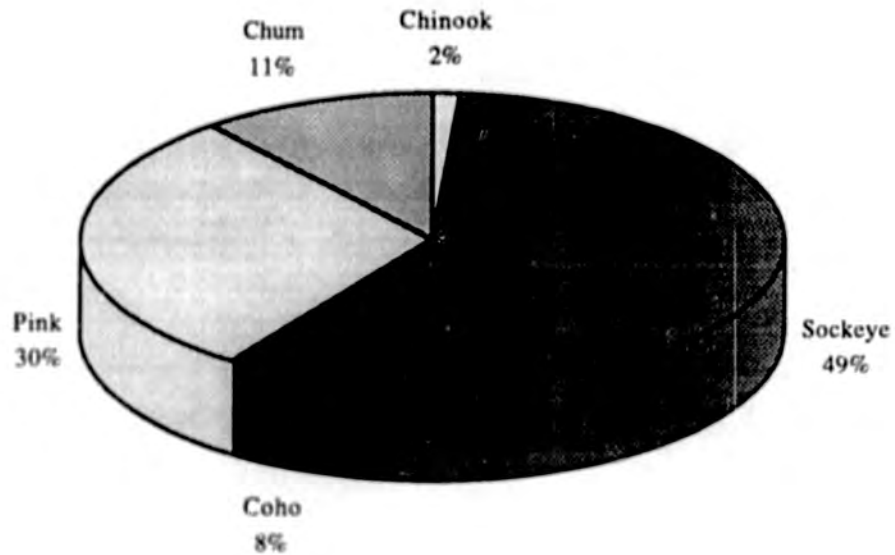
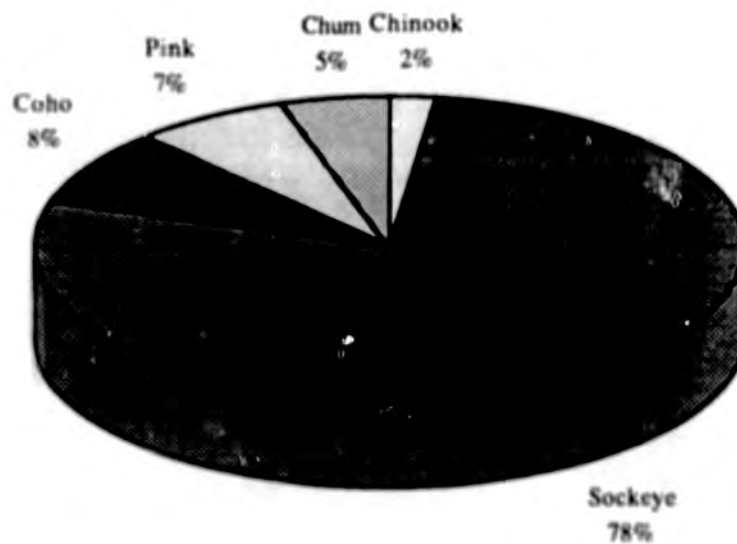


Figure 2-8
Distribution of Salmon by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992
(in percent of total value)



Chapter 2, Economic Impacts Statewide

Spawn-on Kelp: The spawn-on-kelp fishery consists of a wild spawn-on-kelp fishery and a spawn-on-kelp pound fishery.

The wild fishery occurs in Prince William Sound and Bristol Bay, and consists of harvesting kelp that the herring have laid their spawn on naturally in the wild. This is a small fishery with low harvest levels compared to the pound fisheries.

The pound fisheries occur predominantly in Prince William Sound, although limited pound fisheries are developing in Southeast. The value of the products produced in the pound fisheries are amount the highest value of any fish or shellfish production in Alaska. During 1992, the combined harvest statewide of spawn-on-kelp fisheries was 1.45 million pounds. The total value was \$4.4 million. Approximately 1% of the total statewide herring harvest consisted of spawn-on-kelp.

It is interesting to note the relative harvest levels and values between Southeast, Prince William Sound, and Bristol Bay. The Southeast harvest of spawn-on-kelp was 98,614 pounds, valued at \$5.046 per pound; the Prince William Sound harvest was 989,097 pounds, valued at \$3.65 per pound; and the Bristol Bay harvest was 363,529 pounds, valued at \$0.698 per pound. The distinction between the three regions is that the Bristol Bay harvest consisted entirely of wild spawn-on-kelp, the Prince William Sound fishery consisted on a combination of wild and pound spawn-on-kelp, and the Southeast harvest consisted entirely of pound spawn-on-kelp. (See Table 2-18.)

Food & Bait: The food & bait fishery amounted to 14% of the statewide herring purchases, or 19.2 million pounds. The total ex-vessel value of the fishery was \$2 million. Nearly all of the food & bait herring was purchased in Prince William Sound, the Alaska Peninsula, and Southeast with purchases of 7.8 million pounds, 5.6 million pounds, and 4.5 million pounds respectively. (See Table 2-19.)

Sac Roe: The total sac roe herring purchases by shoreside processors in Alaska was 119.2 million pounds, or 85% of the total herring purchases. As with halibut, the total purchases are less than the total harvest since significant quantities of sac roe herring harvested in Southeast Alaska were transported to British Columbia by fishermen for sale and processing.

The total ex-vessel value of the purchases was \$24.7 million. The largest purchases occurred in Bristol Bay (50.6 million pounds) and Prince William Sound (35.6 million pounds). (See Table 2-20.)

2.2.4 Sablefish

Total purchases of sablefish by the shoreside processing industry during 1992 were 35 million pounds. The total value was \$35.5 million.

Sablefish harvests occur primarily in the Gulf of Alaska, although very limited fisheries are found in the Bering Sea and Aleutian Islands. Purchases were highest in Southeast with 16.3 million pounds, followed by Kenai/Cook Inlet with 8.9 million pounds, Kodiak with 6.6 million pounds; all other regions reported purchases of 2 million pounds or less except for Bristol Bay, which reported no purchases. (See Table 2-21.)

2.2.5 Groundfish

The total groundfish purchases statewide during 1992 by the shoreside processing industry were 1.2 billion pounds, valued at \$179 million.

Groundfish species include pollock, Pacific cod, sole, flounder, and miscellaneous groundfish. The sole category includes yellowfin sole, rex sole, rocksole, and other soles; the flounder category includes arrowtooth flounder, greenland turbot, and other flounders.

Groundfish are typically high volume, low value species. Harvest and production of groundfish is essentially limited to Kodiak, the Alaska Peninsula, and the Bering Sea/Aleutian Islands.

Catcher/processor vessels that are able to both harvest and process the catch on board the vessel and large ocean-going mothership factory vessels that continuously operate in an at-sea mode are significant components of the groundfish fisheries in the Bering Sea and, to a lesser extent, the Gulf of Alaska. The purchase figures identified in this report for groundfish reflect those purchases made by shoreside processors — they do not include production by catcher/processors or at-sea motherships.

Statewide purchases of pollock by the shoreside processing industry during 1992 were 976.8 million pounds. The bulk of the purchases were made in the Bering Sea/Aleutian Islands area, with the remainder in Kodiak and the Alaska Peninsula. In the Bering Sea/Aleutians, 796 million pounds were purchased, while in Kodiak 150 million pounds were purchased and 30.3 million pounds were purchased in the Alaska Peninsula. The total value of the pollock purchases were \$126.5 million. (See Table 2-22.)

Pacific cod purchases during 1992 were 165.6 million pounds. (See Table 2-23.) The total value was \$41 million. Fifty-eight million pounds were purchased in the Alaska Peninsula, followed by 49 million pounds in the Bering Sea/Aleutians, and 43 million pounds in Kodiak.

Purchases of sole amounted to 12 million pounds during 1992. These were essentially limited to the Bering Sea/Aleutians and Kodiak, where 9.2 million and 3 million pounds respectively were purchased. The total value of the purchases were \$1.7 million. (See Table 2-24.)

Chapter 2, Economic Impacts Statewide

Flounder purchases during 1992 were 49 million pounds. The total value was \$5.5 million. Most of the purchases (31.6 million pounds) occurred in Kodiak, with the remainder in Unalaska/Akutan (7.8 million pounds). (See Table 2-25.)

Figure 2-9
Distribution of Groundfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total pounds)

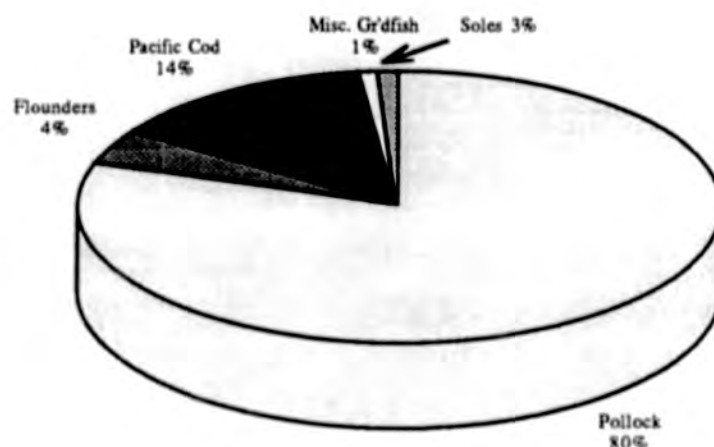
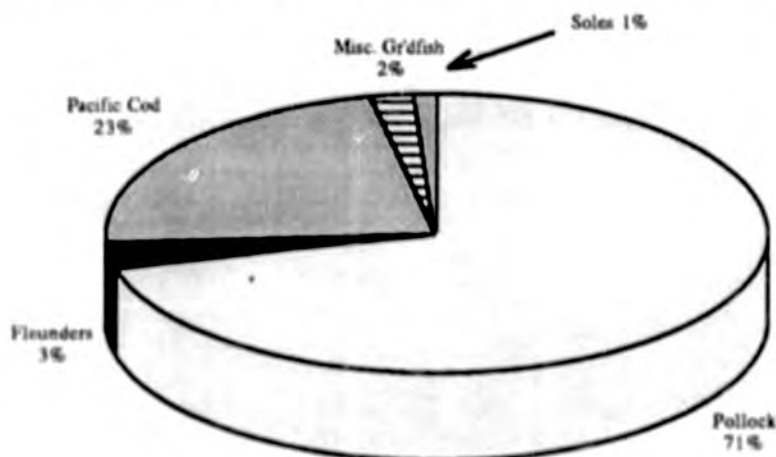


Figure 2-10
Distribution of Groundfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total value)



Miscellaneous groundfish species contributed 10.6 million pounds of purchases valued at \$3.8 million during 1992. (See Table 2-26.)

Figures 2-9 and 2-10 display the distribution of groundfish purchased by species as a percent of total pounds and total value respectively.

2.2.6 Shellfish

The total landings and purchases of shellfish statewide during 1992 by the shoreside processing industry was 123 million pounds, valued at \$127.4 million.

The shellfish categories include red king crab, brown and blue king crab as a combined category, bairdi Tanner crab, opilio Tanner crab, and dungeness crab. Inconsequential harvests of Korean hair crab also occur, and are included in the other shellfish species category.

Catcher/processor vessels that are able to both harvest and process the catch on board the vessel are significant components of the crab fisheries in the Bering Sea; they are insignificant in other crab fisheries in other regions of Alaska. As a result, the purchase figures represented by red, blue, and brown king crab, and by bairdi and opilio Tanner crab in the Bering Sea are less than the total harvest in that region.

The red king crab harvest was limited to the Bering Sea during 1992. Purchases of red king crab, however, occurred in the Alaska Peninsula and Kodiak regions as well as the Bering Sea/Aleutians region. A total of 4.6 million pounds were purchased by the shoreside processors during 1992. (See Table 2-27.) The ex-vessel value was \$23.6 million.

Brown king crab harvests were limited to the Bering Sea and Southeast Alaska, while blue king crab harvests are limited to the Bering Sea. During 1992, the total statewide purchases by the shoreside processors of brown and blue king crab were 5 million pounds. (See Table 2-28.) The ex-vessel value was \$11.6 million.

The bairdi Tanner crab harvests were limited to the Bering Sea, Kodiak, and Southeast Alaska during 1992. The total statewide purchases by shoreside processors was 24 pounds. (See Table 2-29.) The ex-vessel price was \$43.6 million.

Opilio Tanner crab are harvested exclusively in the Bering Sea. From a volume perspective, the opilio fishery is the largest in volume and in value, generating 83 million pounds in purchases at an ex-vessel value \$43.4 million. (See Table 2-30.)

Dungeness crab fisheries occur in Southeast Alaska, Kodiak, and Cook Inlet. The fisheries normally occur during the summer and the fall to take advantage of the summer market conditions. The total statewide purchases by shoreside processors were 6 million pounds. (See Table 2-31.) The ex-vessel price was \$5.3 million.

Chapter 2, Economic Impacts Statewide

Figures 2-11 and 2-12 display the distribution of shellfish purchased by species as a percent of total pounds and total value respectively.

Figure 2-11

Distribution of Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total pounds)

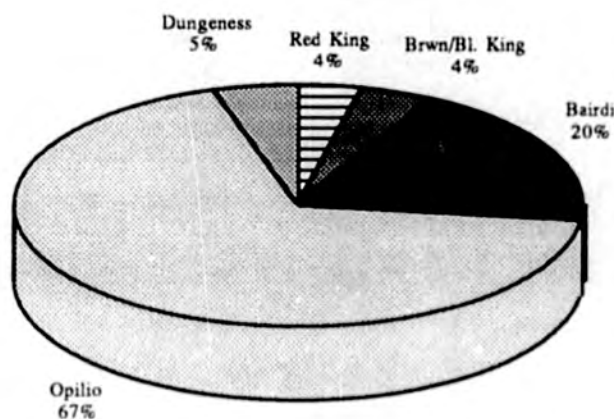
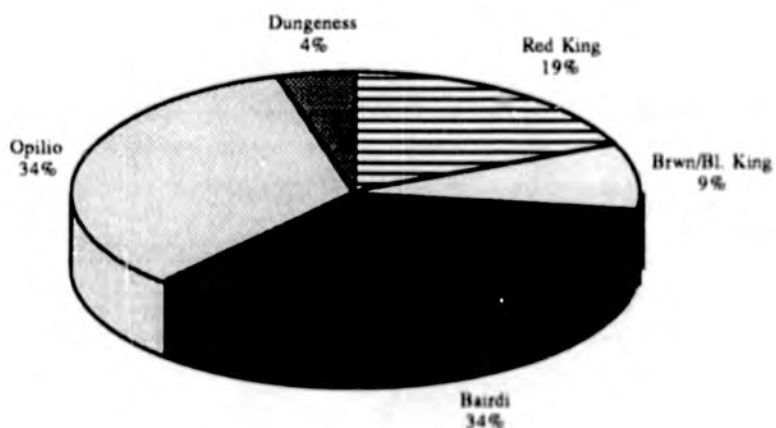


Figure 2-12

Distribution of Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Alaska during 1992 (in percent of total value)



2.2.7 Other Species

Other species consist of clams, geoduck, sea cucumbers, shrimp, sea urchins, and abalone. These fisheries predominantly occur in Southeast Alaska. The total combined purchases during 1992 were 6.9 million pounds. The total value was \$10.4.

2.3 Statewide Purchases of Goods & Services

The PSPA questionnaire asked their members to identify the expenditures of goods and services they purchased in Alaska, by plant, by community, and by month. The expenditures are only those made in the community during the year, and do not reflect expenditures that may have been made in other communities in Alaska or outside the state.

The total expenditures identified by the PSPA respondents were expanded by 25% to estimate total statewide expenditures by the entire shoreside seafood processing industry. The 25% expansion figure was used in recognition that not all of PSPA's members responded to this portion of the questionnaire, and not every shoreside seafood processing company operating in Alaska is a member of PSPA. The 25% expansion seems conservative given the fact that approximately 30 of the PSPA company facilities responded to this portion of the questionnaire, yet there are more than 550 shoreside facilities overall that engage in some form of commercial seafood processing during the year.

The purchase categories consist of consumables, services, electricity, water, sewer, and other purchases. A total of \$64.5 million in purchases were reported (see Table 2-34). Figure 2-13 displays the expenditures by category.

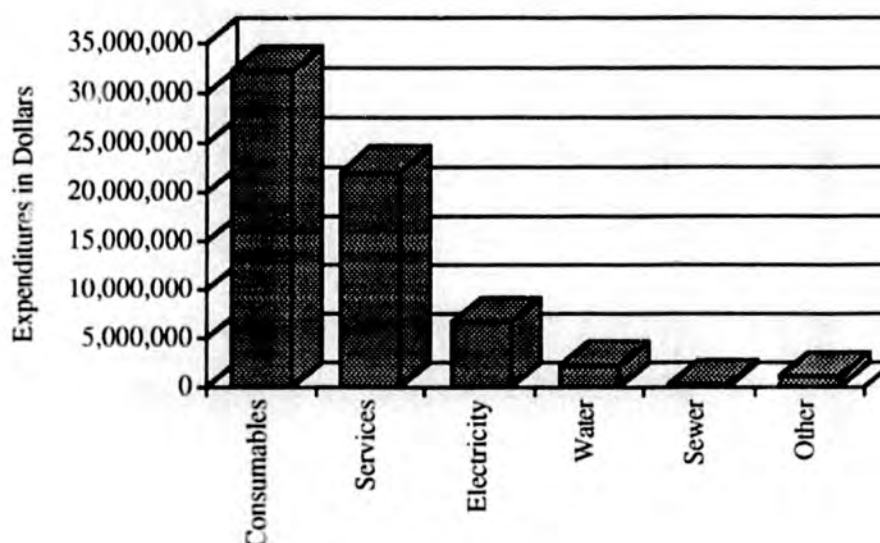
2.3.1 Consumables

During 1992, approximately \$32 million in consumables were purchased by the shoreside processing industry in Alaska. Consumables are defined as those goods that are perishable or otherwise used to support the operation of the facility. They include food, fuel, fiber, gear, etc.

Table 2-35 details the purchases by region and quarter. The Bering Sea/Aleutians region reported the greatest level of consumables with \$14.6 million purchased. Otherwise, the Alaska Peninsula reported \$6 million in purchases, Southeast reported \$4 million, Kodiak reported \$3.5 million, Bristol Bay reported \$2 million, Kenai/Cook Inlet reported \$1.7 million, and Prince William Sound reported \$402,000. Figure 2-14 shows the distribution of expenditures by region, in percent of total dollars spent.

Figure 2-13

Distribution of Expenditures of Goods & Services Made by the Shoreside Processing Industry in Alaska during 1992 (in dollars)



2.3.2 Services

Approximately \$22 million in services were purchased by the shoreside processing industry in Alaska during 1992. Services are defined as those activities that are in support of the operation of the facility. They include mechanical, refrigeration, electrical, etc.

Table 2-36 details the purchases by region and quarter. The Bering Sea/Aleutians region reported the greatest level of purchases with \$12.1 million, the Alaska Peninsula reported \$3.3 million in purchases, Bristol Bay reported \$2.2 million, Kodiak reported \$1.9 million, Southeast and Kenai reported \$1.1 million, and Prince William Sound reported \$225,000. Figure 2-14 shows the distribution of expenditures by region, in percent of total dollars spent.

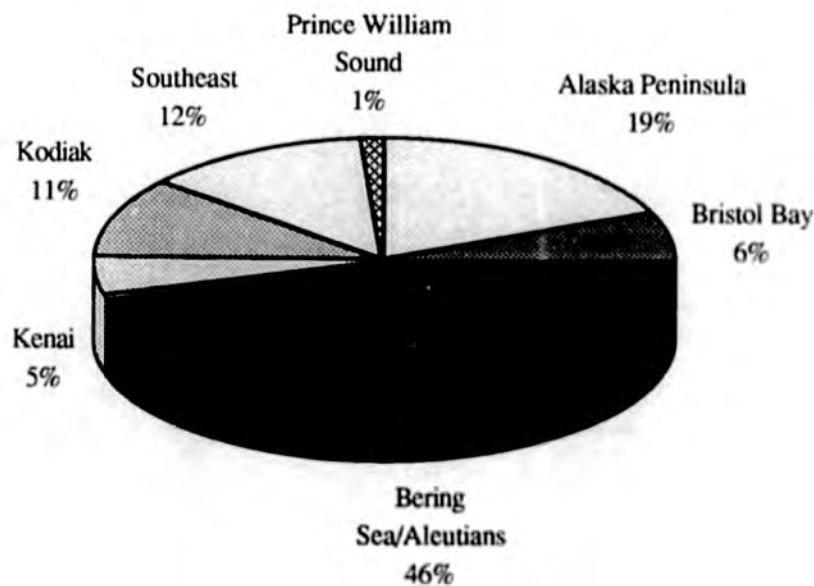
2.3.3 Electricity

During 1992, approximately \$6.6 million in electricity was purchased from local utilities by the shoreside processing industry in Alaska. Table 2-37 details the purchases by region and quarter.

The Kodiak region reported the greatest amount of electricity expenditures with \$2.7 million purchased. The Kenai area was next with \$1.2 million in purchases, followed by

Prince William Sound with \$940,000, Southeast with \$850,000, Bristol Bay with \$750,000, and the Alaska Peninsula and Bering Sea/Aleutians region spent approximately \$65,000 each. It is noteworthy that the major shoreside processors in Unalaska/Akutan produce a substantial portion of their own electricity by utilizing fish oil they produce for fuel for their in-house generators.

Figure 2-14
Distribution of Expenditures for Consumables made by the
Shoreside Processing Industry in Alaska during 1992
(in percent of total dollars spent, by region)



2.3.4 Water

Approximately \$2.2 million in water were purchased by the shoreside processing industry during 1992 in Alaska. Table 2-38 details the purchases by region and quarter.

The Bering Sea/Aleutians region reported the highest expenditures for water with \$1.3 million purchased. Otherwise, Kodiak reported \$364,000, Kenai reported \$200,000, Southeast reported \$160,000, and Prince William Sound reported \$97,000. The Alaska Peninsula and Bristol Bay reported expenditures of approximately \$47,000 and \$31,000 respectively.

2.3.5 Sewer

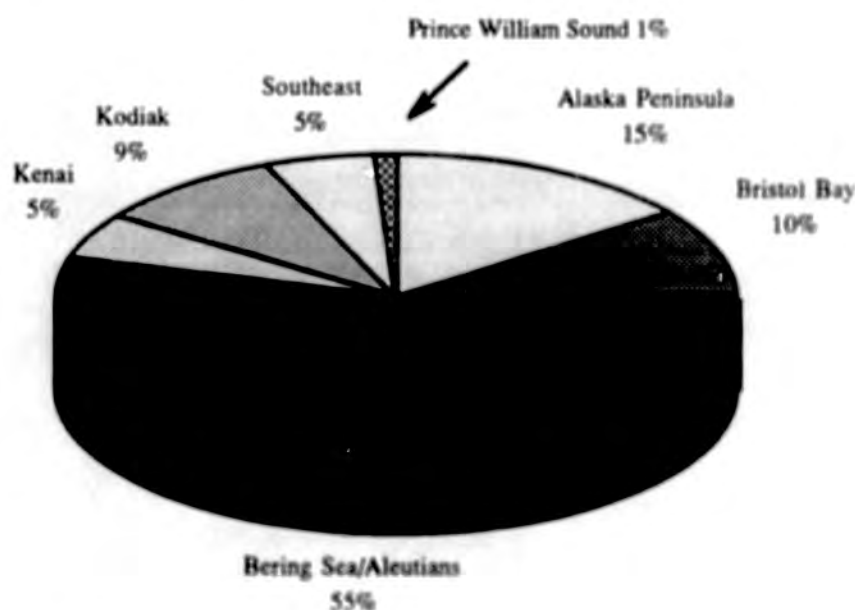
The shoreside processing industry spent approximately \$226,000 for sewer services in Alaska during 1992. Table 2-39 details the purchases by region and quarter.

Chapter 2, Economic Impacts Statewide

2.3.6 Other Purchases

During 1992, approximately \$1.1 million in expenditures on other items were made by the shoreside processing industry in Alaska. Other purchases include telephone expenses, etc. Table 2-40 details the purchases by region and quarter.

Figure 2-15
Distribution of Expenditures for Services made by the
Shoreside Processing Industry in Alaska during 1992
(in percent of total dollars spent, by region))



2.4 Employment

During 1992, a total of \$371.5 million was spent by the shoreside processors on wages and fringe benefit/overhead expenses for employees in Alaska. (See Table 2-41.) This consisted of \$270 million in direct wages to employees, \$81 million for fringe benefits and other employee overhead costs, and \$19.6 million on transportation costs to move employees to and from work site locations. On a monthly average, 11,233 people were employed in shoreside processing facilities, although over 16,000 people were employed during peak months.

2.4.1 Direct Employment and Employee Overhead Expenditures

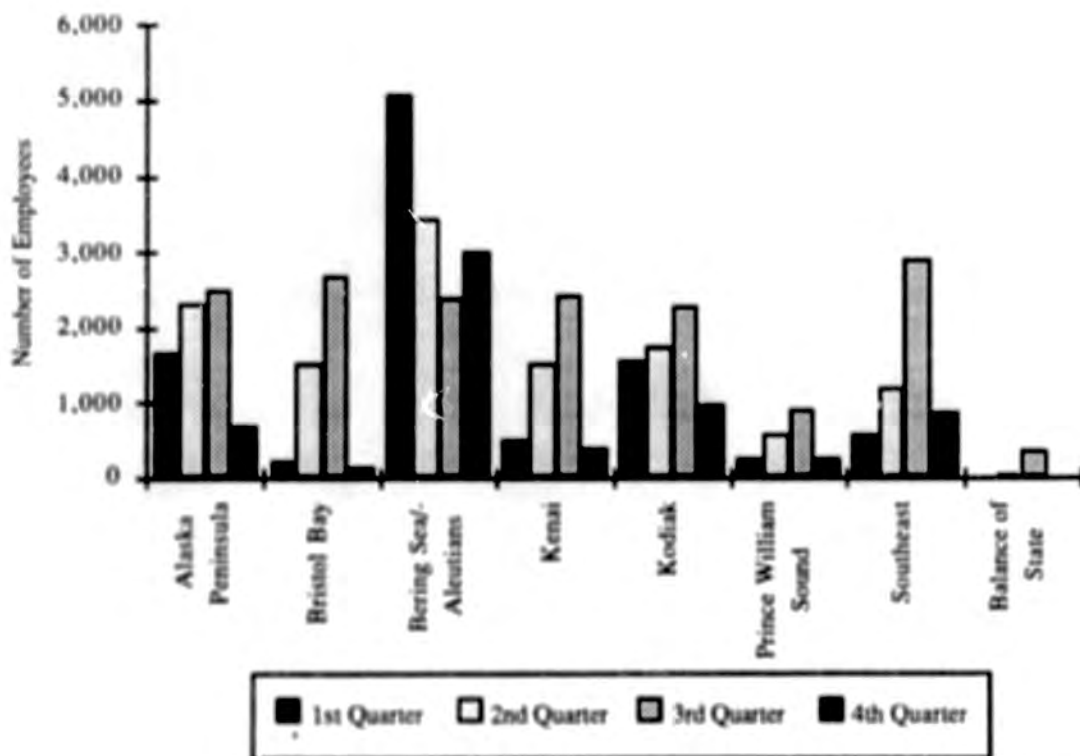
Table 2-42 shows the employment impact on a regional basis, by month and quarter during 1992. Overall, the Bering Sea/Aleutians region had the highest level of average monthly employment at 3,473 employees per month. The Alaska Peninsula had the second highest average at 1,800, followed by Kodiak with 1,631 employees per month, Southeast with

1,391, Kenai/Cook Inlet with 1,209, Bristol Bay 1,138, and Prince William Sound with 492.

Employment varied substantially by region and quarter. Figure 2-16 compares quarterly employment by region. All regions experienced fluctuations in employment by quarter, some significantly. This is due, of course, to the seasonality of fish and shellfish harvests. Bristol Bay shows the most dramatic fluctuations, ranging from 200 employees or less in the first and fourth quarters to more than 2,600 employees average in the third quarter.

Figure 2-16

**Shoreside Seafood Processing Employment by Quarter during 1992
(in numbers of employees by region)**

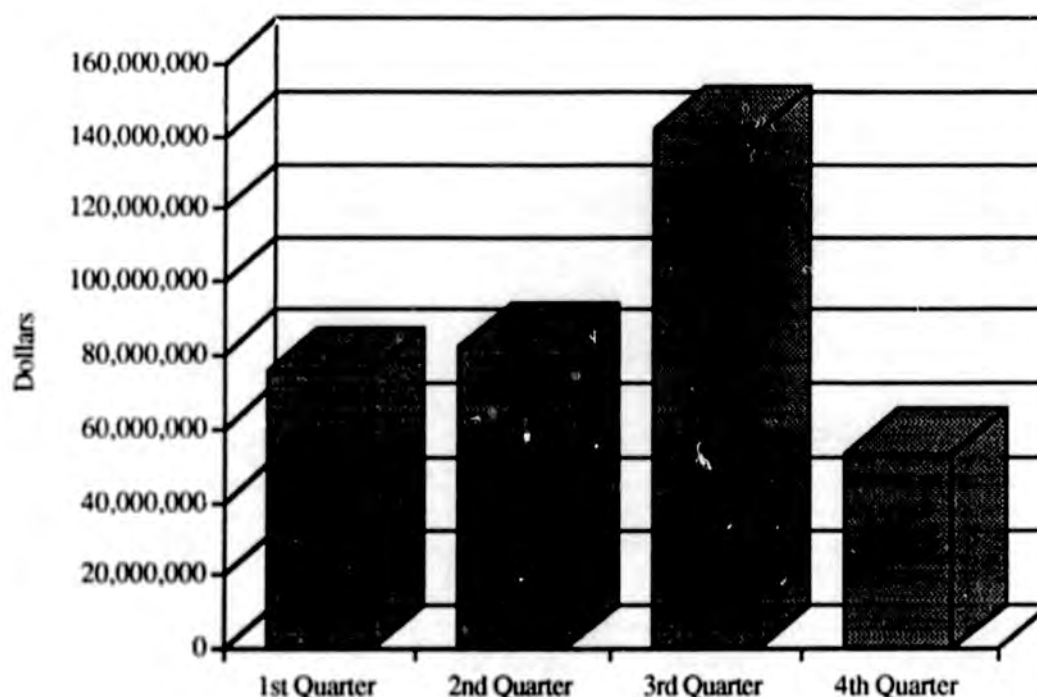


It is interesting to note the influence that groundfish processing has on employment. Prior to the advent of shoreside groundfish processing in 1988, the employment fluctuations in the Alaska Peninsula, Kodiak, and the Bering Sea/Aleutians regions would have been much more severe since there would have been little employment opportunity available during the first and fourth quarters. Groundfish tends to be harvested during the winter months in the Bering Sea and year round in the Gulf of Alaska; this evens out the distribution of employment opportunities.

Chapter 2, Economic Impacts Statewide

Employee earnings generally follow the same distribution pattern as employment. Figure 2-17 displays the statewide distribution of shoreside processing employee wages and benefits, by quarter, during 1992. Figure 2-18 illustrates the percentage of shoreside processing wages and benefits by region for the calendar year, while Figure 2-19 compares the expenditures by region in dollars.

Figure 2-17
Quarterly Distribution of Shoreside Processing Employee
Wages & Benefits during 1992 (all regions combined)

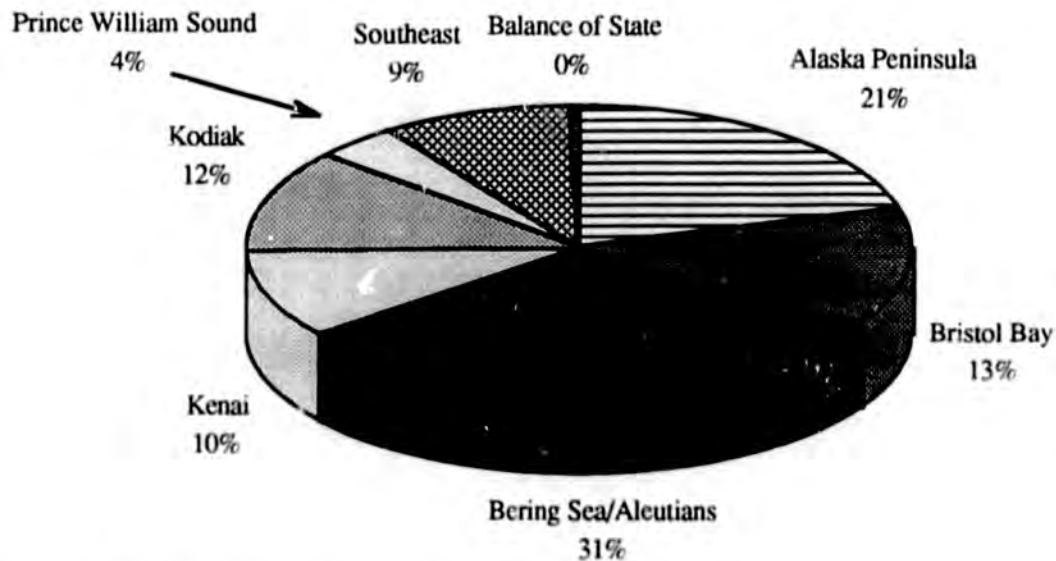


2.4.2 Transportation

The shoreside processing industry spent \$19.6 million during 1992 to transport employees to and from various work locations within Alaska. This number was initially derived from the responses to the PSPA questionnaire, in which responding companies identified the number of employees flown to and from the work site, and the accompanying cost, by month; that data was then compared to total employment figures identified in the same questionnaire to identify the regional average number of employees transported and the average cost of transportation. These figures were then applied to total seafood employment as identified by the state, by region and quarter during 1992, to estimate total numbers of employees transported and the cost.

Figure 2-18

Distribution of Shoreside Processing Employee Wages & Benefits during 1992
(by region, in percent)



2.4.3 Indirect Employment

The seafood industry is the economic engine for many communities and regions within coastal Alaska. In some communities, there is no other industry. As a result, the purchase of fish and shellfish by shoreside processors sets in motion an entire economic structure that affects all ways of life in each of the communities. In preparation for the fishing season, harvesters employ crew members and purchase goods and supplies. Following the delivery of the harvest and production, the products must be transshipped to the market. Each individual employed and each dollar expended in the community, contributes to another job in the community — which, in turn, generates additional employment and expenditures within the community.

Figure 2-20 illustrates the relationship between the shoreside processing industry and other employment opportunity in a region. The figure shows the relative percentage of employment provided by seafood processing, other private sector employment, local and state government, and federal government in the region encompassing Kodiak, Bristol Bay, the Alaska Peninsula, and the Aleutian Islands during 1992. Fifty-six percent of total employment in this region during 1992 consisted of seafood processing, 20% was other private sector employment, and 24% was government. Bear in mind that the 56% seafood processing figure does not include crew jobs or captain positions on fishing vessels. Without the shoreside processing and fishing industry in this region, there would be little private sector employment opportunity since most of that opportunity exists to service the shoreside seafood processing industry.

Chapter 2, Economic Impacts Statewide

Figure 2-19
Distribution of Shoreside Processing Employee Wages & Benefits during 1992
(by region, in dollars)

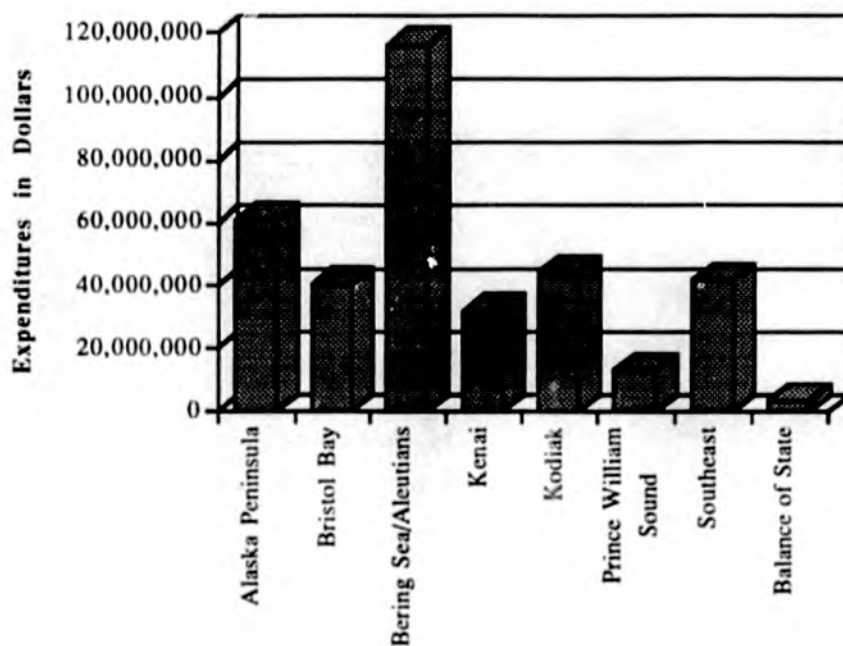
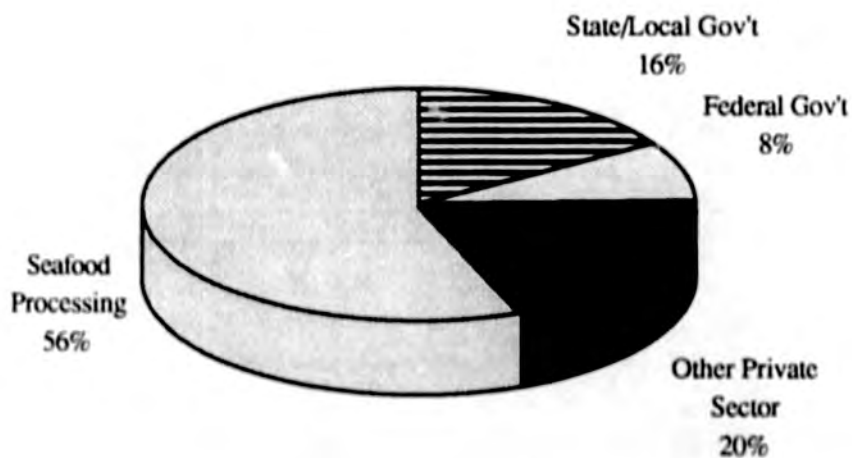


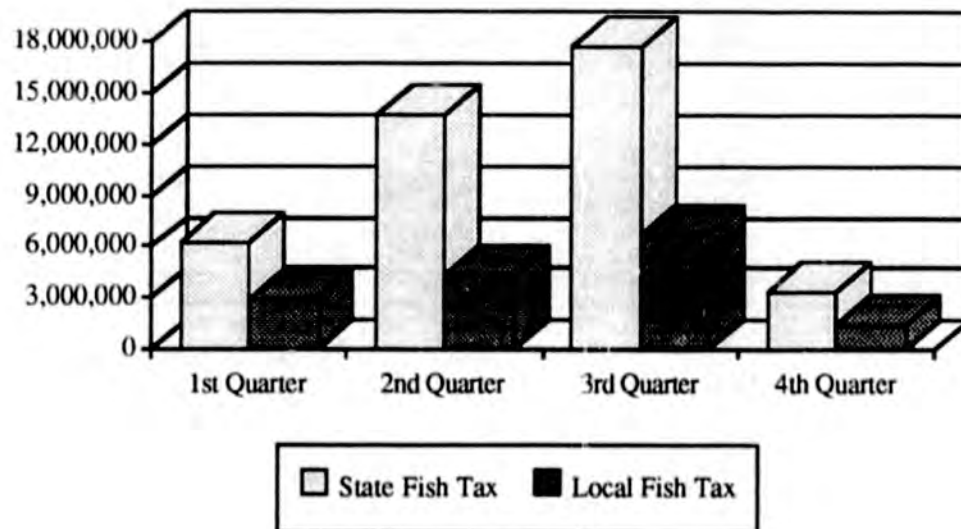
Figure 2-20
Percentage of Available Jobs in the Region Encompassing Kodiak, Bristol Bay, the
Alaska Peninsula, and the Aleutian Islands during 1992



2.5 Taxes, Assessments, and Fees

During 1992, the shoreside processing industry paid \$81.6 million in state and local taxes, assessments, and licenses, including \$42 million in state raw fish tax, \$15.6 million in local taxes on fish purchases, and \$24.2 million as property tax, state corporate income tax, ASMI assessments, etc. (See Tables 2-1 through 2-6.) Figure 2-21 shows the amount of state and local fish taxes paid by quarter during the year.

Figure 2-21
State and Local Fish Taxes Paid by the Shoreside Processing Industry
during 1992 (by quarter, in dollars)



Fifty percent of the state raw fish tax is returned to the community in which it was collected as a form of revenue sharing; therefore, the total amount of raw fish tax collections that are available for use in a community or region are substantially greater than the amount collected by the community itself.

During 1992, the total amount of fish taxes paid by the shoreside processing industry that were available for use by the communities were approximately \$37 million. Figure 2-22 shows the amount of state and local raw fish collected on a quarterly basis during 1992 that will be returned or is otherwise available for use within the region. Figure 2-23 displays the amount available to each region.

Chapter 2, Economic Impacts Statewide

Figure 2-22
Amount of State and Local Fish Taxes Paid by the Shoreside Processing Industry
during 1992 and Available for Use in the Community
(by quarter, in dollars)

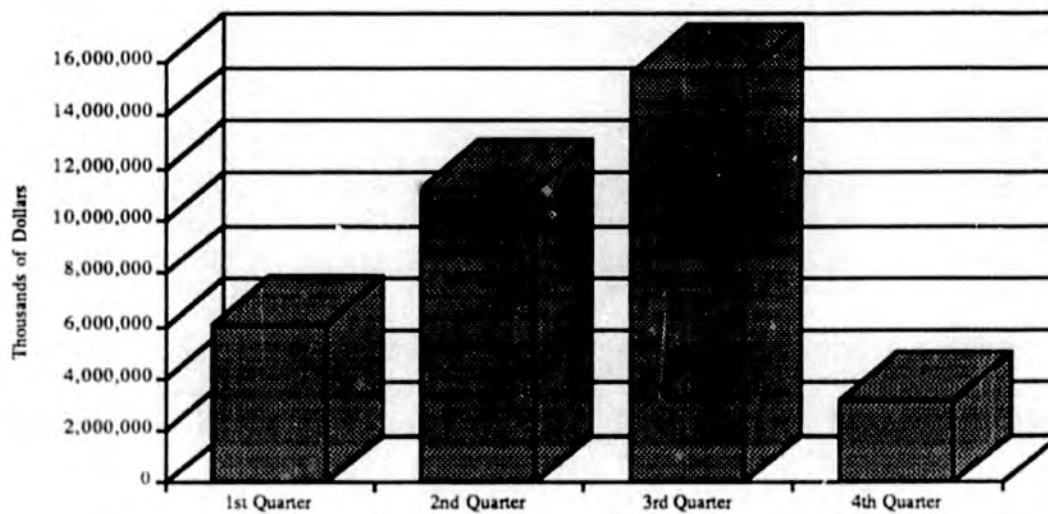
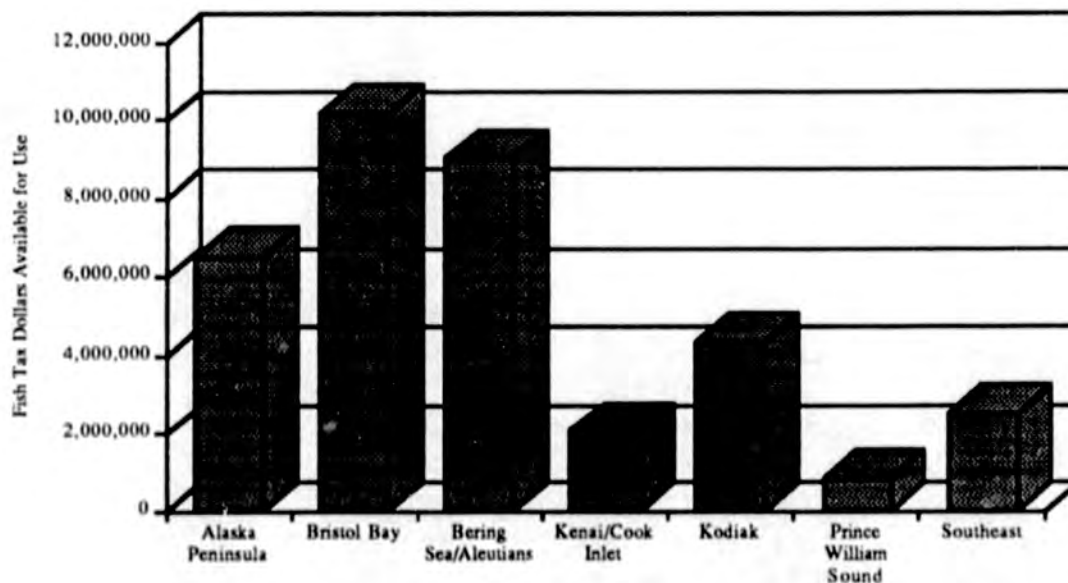


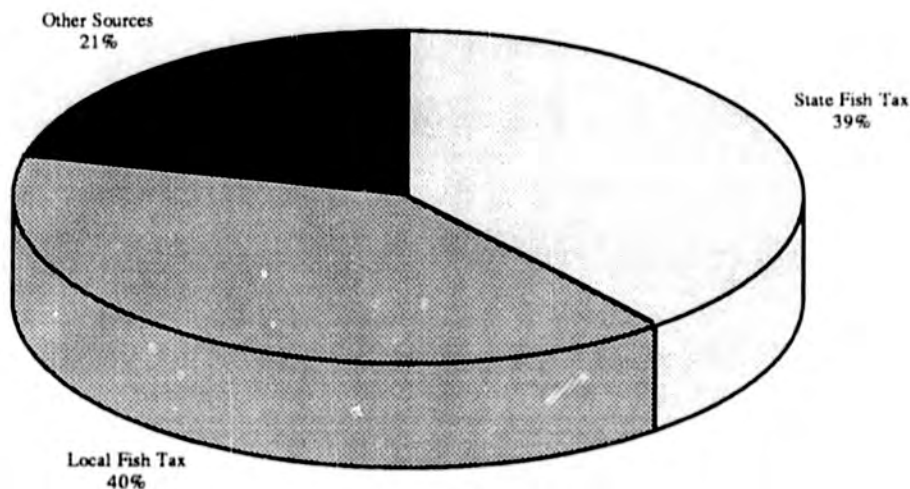
Figure 2-23
Amount of State and Local Fish Taxes Paid by the Shoreside Processing Industry
during 1992 and Available for Use in the Community
(by region, in dollars)



Chapter 2, Economic Impacts Statewide

Payments of taxes and other fees made by the shoreside seafood processing industry constitute significant contributions to the overall revenues available to most municipalities and boroughs in coastal Alaska. In the Aleutians East Borough, for example, 80% of total revenues during 1992 were composed of fish taxes paid by the shoreside processing industry. (See Figure 2-24.)

Figure 2-24
Comparison of Revenue Sources for Aleutians East Borough 1992 Revenues
(in percent of total dollars)



Chapter 2, Economic Impacts Statewide

Table 2-1

Economic Impact of the Shoreside Processing Industry on Alaska during 1992

Employment	Peak Monthly Employment	16,451		
	Avg. number of employees/month	11,233		
	Total Processing Payroll	270,702,465		
	Fringe benefits, workers com., etc. (30% of gross)	81,210,739		
	Airfare	19,630,287		
	SUB-TOTAL	371,543,491	\$371,543,491	24%
Purchases	Consumables	32,216,896		
	Services	22,056,324		
	Electric	6,610,174		
	Water	2,257,997		
	Sewer	226,046		
	Other	1,132,820		
	SUB-TOTAL	64,500,257	\$64,500,257	4%
Taxes	State Raw Fish	41,791,926		
	Local Raw Fish Tax	15,551,240		
	Other State Taxes (corporate income, ASMI, property, licenses, etc.)	24,248,346		
	SUB-TOTAL	81,591,512	\$81,591,512	5%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King	23,599,900		
	Brown/Blue King	11,563,861		
Grdfish	Bairdi	43,609,657		
	Opilio	43,279,999		
	Dungeness	5,341,732		
	Pollock	126,529,911		
	Pacific Cod	41,065,536		
	Soles	1,706,843		
	Flounders	5,499,328		
	Misc. Groundfish	3,790,552		
	Chinook	13,588,907		
	Sockeye	459,439,388		
Salmon	Coho	46,454,633		
	Pink	41,890,860		
	Chum	27,904,224		
	A-Y-K Salmon (all species)	17,568,469		
	Spawn On Kelp	4,397,055		
Herring	Food/Bait	1,987,556		
	Sac Roe	25,619,214		
	Misc. Shellfish	8,235,983		
Other	Sablefish	35,478,040		
	Halibut	44,917,718		
	Shrimp	1,577,419		
	Other Species	606,696		
	SUB-TOTAL	1,035,653,479	\$1,035,653,479	67%
Donations	Scholarships & Other Donations	948,296		
	"Wynn" Brindle Scholarships	290,000		
	SUB-TOTAL	1,238,296	\$1,238,296	0%
TOTAL DIRECT EXPENDITURES			\$1,554,527,036	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.69	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$3,886,317,589	

Chapter 2, Economic Impacts Statewide

Table 2-2

Economic Impact of the Shoreside Processing Industry on Alaska during the First Quarter, 1992

Employment	Avg. number of employees/month	9,848			Percent of Total
	Total Processing Payroll	57,801,866			
	Fringe benefits, workers com., etc. (30% of gross)	17,340,560			
	Airfare	6,209,452			
	SUB-TOTAL	81,351,879	\$81,351,879	31%	
Purchases	Consumables	5,500,527			
	Services	5,010,926			
	Electric	1,169,796			
	Water	477,807			
	Sewer	50,396			
	Other	252,228			
	SUB-TOTAL	12,461,680	\$12,461,680	5%	
Taxes	State Raw Fish	6,298,680			
	Local Raw Fish Tax	2,942,553			
	Other State Taxes (corporate income, ASMI, property, licenses, etc.)	6,062,087			
	SUB-TOTAL	15,303,319	\$15,303,319	6%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King	0			
	Brown/Blue King	2,542,040			
	Bairdi	13,904,323			
	Opilio	40,209,128			
	Dungeness	0			
Grdfish	Pollock	64,793,844			
	Pacific Cod	19,588,372			
	Soles	34,375			
	Flounders	594,432			
	Misc. Groundfish	947,638			
Salmon	Chinook	1,239,353			
	Sockeye	0			
	Coho	0			
	Pink	0			
	Chum	0			
	A-Y-K Salmon (all species)	0			
Herring	Spawn On Kelp	533,107			
	Food/Bait	643,101			
	Sac Roe	3,148,441			
Other	Misc. Shellfish	1,373,625			
	Sablefish	0			
	Halibut	0			
	Shrimp	532,508			
	Other Species	151,874			
	SUB-TOTAL	150,235,961	\$150,235,961	58%	
Donations	Scholarships & Other Donations	237,074			
	"Wynn" Brindle Scholarships	72,500			
	SUB-TOTAL	309,574	\$309,574	0%	
	TOTAL DIRECT EXPENDITURES		\$259,662,412	100%	
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.37		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$649,156,030		

Chapter 2, Economic Impacts Statewide

Table 2-3

Economic Impact of the Shoreside Processing Industry on Alaska during the Second Quarter, 1992

Employment	Avg. number of employees/month	12,314			Percent of Total
	Total Processing Payroll	62,989,706			
	Fringe benefits, workers com., etc. (30% of gross)	18,896,912			
	Airfare	7,085,036			
	SUB-TOTAL	88,971,654	\$88,971,654	18%	
Purchases	Consumables	3,546,605			
	Services	6,294,177			
	Electric	1,782,010			
	Water	603,633			
	Sewer	44,469			
	Other	299,785			
	SUB-TOTAL	18,570,678	\$18,570,678	4%	
Taxes	State Raw Fish	13,744,483			
	Local Raw Fish Tax	4,349,546			
	Other State Taxes (corporate income, ASMI, property, licenses, etc.)	6,062,087			
	SUB-TOTAL	24,156,115	\$24,156,115	5%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King	0			
	Brown/Blue King	2,809,537			
	Bairdi	174,253			
	Opilio	2,660,788			
	Durgeness	1,068,346			
Grdfish	Pollock	5,041,211			
	Pacific Cod	8,401,495			
	Soles	749,926			
	Flounders	1,755,904			
	Misc. Groundfish	947,638			
Salmon	Chinook	5,858,767			
	Sockeye	201,894,863			
	Coho	9,347,295			
	Pink	4,408,636			
	Chum	12,666,236			
	A-Y-K Salmon (all species @ \$1.320/lb.)	6,923,223			
Herring	Spawn On Kelp	3,863,947			
	Food/Bait	1,344,455			
	Sac Roe	22,470,773			
Other	Misc. Shellfish	1,844,366			
	Sablefish	32,199,796			
	Halibut	29,817,199			
	Shrimp	522,456			
	Other Species	151,674			
	SUB-TOTAL	357,222,783	\$357,222,783	73%	
Donations	Scholarships & Other Donations	237,074			
	"Wynn" Brindle Scholarships	72,500			
	SUB-TOTAL	309,574	\$309,574	0%	
TOTAL DIRECT EXPENDITURES			\$489,230,804	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.97		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly))			\$1,223,077,010		

Chapter 2, Economic Impacts Statewide

Table 2-4

Economic Impact of the Shoreside Processing Industry on Alaska during the Third Quarter, 1992

Employment	Avg. number of employees/month	16,451			
	Total Processing Payroll	108,968,501			
	Fringe benefits, workers com., etc. (30% of gross)	32,690,550			
	Airfare	2,748,622			
	SUB-TOTAL	144,407,674	\$144,407,674	22%	
Purchases	Consumables	12,236,137			
	Services	7,034,498			
	Electric	2,693,292			
	Water	734,540			
	Sewer	86,826			
	Other	418,647			
	SUB-TOTAL	23,203,941	\$23,203,941	4%	
Taxes	State Raw Fish	17,666,127			
	Local Raw Fish Tax	6,753,849			
	Other State Taxes (corporate income, ASMI, property, licenses, etc.)	6,062,087			
	SUB-TOTAL	30,482,063	\$30,482,063	5%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King	4,755,700			
	Brown/Blue King	3,694,746			
	Bairdi	3,206,412			
Grdfish	Opilio	0			
	Dungeness	3,205,039			
	Pollock	51,653,646			
	Pacific Cod	1,979,763			
	Soles	806,917			
	Flounders	1,831,740			
	Misc. Groundfish	947,638			
Salmon	Chinook	5,251,433			
	Sockeye	257,544,525			
	Coho	37,107,337			
	Pink	37,482,224			
	Chum	15,237,988			
	A-Y-K Salmon (all species @ \$0.701/lb.)	10,645,246	363,268,753		
Herring	Spawn On Kelp	0			
	Food/Bait	0			
	Sac Roe	0			
Other	Misc. Shellfish	1,844,366			
	Sablefish	3,278,244			
	Halibut	15,100,519			
	Shrimp	0			
	Other Species	151,674			
	SUB-TOTAL	455,725,159	\$455,725,159	70%	
Donations	Scholarships & Other Donations	237,074			
	"Wynn" Brindle Scholarships	72,500			
	SUB-TOTAL	309,574	\$309,574	0%	
	TOTAL DIRECT EXPENDITURES		\$654,128,410	100%	
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.70		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly))			\$1,635,321,025		

Chapter 2, Economic Impacts Statewide

Table 2-5

Economic Impact of the Shoreside Processing Industry on Alaska during the Fourth Quarter, 1992

Employment	Avg. number of employees/month	6,321			Percent of Total
	Total Processing Payroll	40,942,390			
	Fringe benefits, workers com., etc. (30% of gross)	12,282,717			
	Airfare	3,587,177			
	SUB-TOTAL	56,812,285	\$56,812,285	38%	
Purchases	Consumables	4,933,627			
	Services	3,716,722			
	Electric	965,076			
	Water	442,017			
	Sewer	44,356			
	Other	162,161			
	SUB-TOTAL	10,263,959	\$10,263,959	7%	
Taxes	State Raw Fish	3,329,635			
	Local Raw Fish Tax	1,505,292			
	Other State Taxes (corporate income, ASMI, property, licenses, etc.)	6,062,087			
	SUB-TOTAL	10,897,013	\$10,897,013	7%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King	18,844,200			
	Brown/Blue King	2,517,538			
	Bairdi	26,324,669			
	Opilio	110,084			
	Dungeness	1,068,346			
Grdfish	Pollock	5,041,211			
	Pacific Cod	11,095,906			
	Soles	115,626			
	Flourciers	1,317,252			
	Misc. Groundfish	947,638			
Salmon	Chinook	1,239,353			
	Sockeye	0			
	Coho	0			
	Pink	0			
	Chum	0			
	A-Y-K Salmon (all species)	0			
Herring	Spawn On Kelp	0			
	Food/Bait	0			
	Sac Roe	0			
Other	Misc. Shellfish	3,173,625			
	Sablefish	0			
	Halibut	0			
	Shrimp	522,456			
	Other Species	151,874			
	SUB-TOTAL	72,469,577	\$72,469,577	48%	
Donations	Scholarships & Other Donations	237,074			
	Wynn Brindle Scholarships	72,500			
	SUB-TOTAL	309,574	\$309,574	0%	
	TOTAL DIRECT EXPENDITURES		\$150,752,408	100%	
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$1.29		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$376,881,019		

Table 2-6

**1992 Purchases of Fish and Shellfish by the Shoreside Processing Industry
(in pounds, by species, by quarter, statewide)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Red King Crab	0	0	929,029	3,681,227	4,610,256
Brown/Blue King Crab	1,093,481	1,195,502	1,635,246	1,112,514	5,036,742
Bairdi Tanner Crab	7,029,033	102,277	1,881,697	15,072,090	24,085,097
Opilio Tanner Crab	77,195,387	5,684,260	0	211,344	83,090,991
Dungeness Crab	0	1,217,026	3,651,078	1,217,026	6,085,130
Pollock	507,588,779	32,735,135	403,652,207	32,735,135	976,711,257
Pacific Cod	78,781,337	34,562,043	8,376,642	43,862,545	165,582,568
Sole	327,383	5,175,960	5,718,732	1,101,198	12,323,273
Flounder	5,661,258	15,053,384	15,775,633	12,545,254	49,035,529
Misc. Groundfish	2,653,236	2,653,236	2,653,236	2,653,236	10,612,944
Chinook Salmon	565,141	3,527,316	2,574,285	565,141	7,231,882
Sockeye Salmon	0	143,150,812	201,295,328	0	344,446,140
Coho Salmon	0	9,833,826	37,337,249	0	47,171,074
Pink Salmon	0	21,544,718	181,498,504	0	203,043,222
Chum Salmon	0	29,124,252	35,838,164	0	64,962,416
Other Salmon	0	5,246,815	15,181,187	0	20,428,002
Herring Spawn-on-Kelp	98,614	1,352,626	0	0	1,451,240
Herring Food & Bait	4,694,168	15,006,791	0	0	19,700,959
Herring Sac Roe	13,228,744	111,111,604	0	0	124,340,348
Misc. Shellfish	685,000	874,509	874,509	685,000	3,119,019
Sablefish	0	31,843,242	3,252,226	0	35,095,468
Halibut	0	31,812,215	16,104,925	0	47,917,140
Shrimp	886,824	884,020	0	884,020	2,654,863
Other Species	269,646	269,646	269,646	269,646	1,078,582
Total	700,758,030	503,961,214	938,499,523	116,595,375	2,259,814,142

Chapter 2, Economic Impacts Statewide

Table 2-7

Regional Purchases of Fish and Shellfish Statewide by the Shoreside Seafood Processing Industry during 1992 (in pounds and percent, by quarter)

Pounds Harvested	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Alaska Peninsula	43,500,634	71,273,675	70,557,604	44,369,495	229,701,408
Bristol Bay	0	109,431,582	137,221,551	0	246,653,133
Bering Sea/Aleutians	541,315,536	36,154,849	367,956,216	23,444,731	968,871,332
Kenai/Cook Inlet	12,098,789	55,714,728	41,989,768	236,305	110,039,591
Kodiak	78,131,845	86,151,890	101,407,000	43,238,877	308,929,612
Prince William Sound	1,868,950	62,136,466	36,769,036	1,613,216	102,387,668
Southeast	23,842,277	72,226,863	167,417,161	4,892,750	268,379,051
Other Alaska	0	5,246,815	15,181,187	0	20,428,002
Total	700,758,030	498,336,868	938,499,523	117,795,375	2,255,389,796

Percent of Harvest by Region & Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Percent of Total
Alaska Peninsula	6%	14%	8%	38%	10%
Bristol Bay	0%	22%	15%	0%	11%
Bering Sea/Aleutians	77%	7%	39%	20%	43%
Kenai/Cook Inlet	2%	11%	4%	0%	5%
Kodiak	11%	17%	11%	37%	14%
Prince William Sound	0%	12%	4%	1%	5%
Southeast	3%	14%	18%	4%	12%
Other Alaska	0%	1%	2%	0%	1%
Total	100%	100%	100%	100%	100%

Percent by Region	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Alaska Peninsula	19%	31%	31%	19%	100%
Bristol Bay	0%	44%	56%	0%	100%
Bering Sea/Aleutians	56%	4%	38%	2%	100%
Kenai/Cook Inlet	11%	51%	38%	0%	100%
Kodiak	25%	28%	33%	14%	100%
Prince William Sound	2%	61%	36%	2%	100%
Southeast	9%	27%	62%	2%	100%
Other Alaska	0%	26%	74%	0%	100%
Quarterly Average	31%	22%	42%	5%	100%

Table 2-8

**Statewide Purchases of Fish and Shellfish by Major Species Group
during 1992 (in pounds and percent, by quarter)**

Pounds Purchased by Group (in pounds)					
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Crab	85,317,901	8,199,065	8,097,050	21,294,200	122,908,216
Other	1,841,469	2,028,174	1,144,155	1,838,665	6,852,463
Groundfish	595,011,994	90,179,758	436,176,450	92,897,369	1,214,265,571
Sablefish	0	31,843,242	3,252,226	0	35,095,468
Salmon	565,141	212,427,739	473,724,716	565,141	687,282,736
Herring	18,021,526	127,471,021	0	0	145,492,547
Halibut	0	31,812,215	16,104,925	0	47,917,140
	700,758,030	503,961,214	938,499,523	116,595,375	2,259,814,142

Percent of Total Harvest of All Species Groups by Quarter					Percent of Total
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Crab	12%	2%	1%	18%	5%
Other	0%	0%	0%	1%	0%
Groundfish	85%	18%	46%	80%	54%
Sablefish	0%	6%	0%	0%	2%
Salmon	0%	42%	50%	0%	30%
Herring	3%	25%	0%	0%	6%
Halibut	0%	6%	2%	0%	2%
Total	100%	100%	100%	100%	100%

Percent of Harvest of Species Group by Quarter					Total
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Crab	69%	7%	7%	17%	100%
Other	27%	30%	15%	27%	100%
Groundfish	49%	7%	36%	8%	100%
Sablefish	0%	91%	9%	0%	100%
Salmon	0%	31%	69%	0%	100%
Herring	12%	88%	0%	0%	100%
Halibut	0%	66%	34%	0%	100%
Quarterly Average	31%	22%	42%	5%	100%

Chapter 2, Economic Impacts Statewide

Table 2-9

**Statewide Purchases of Fish and Shellfish by the
Shoreside Processing Industry during 1992
(in dollars, by quarter, by species)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Red King Crab	0	0	4,755,700	18,844,200	23,599,900
Brown/Blue King Crab	2,542,040	2,809,537	3,694,746	2,517,538	11,563,861
Bairdi Tanner Crab	13,904,323	174,253	3,205,929	26,324,669	43,609,173
Opilio Tanner Crab	40,209,128	2,960,788	0	110,084	43,279,999
Dungeness Crab	0	1,068,346	3,205,039	1,068,346	5,341,732
Pollock	64,793,844	5,041,211	51,653,646	5,041,211	126,529,911
Pacific Cod	19,588,372	8,401,495	1,979,763	11,095,906	41,065,536
Sole	34,375	749,926	806,917	115,626	1,706,843
Flounder	594,432	1,755,904	1,831,740	1,317,252	5,499,328
Misc. Groundfish	947,638	947,638	947,638	947,638	3,790,552
Chinook Salmon	1,239,353	5,858,767	5,251,433	1,239,353	13,588,907
Sockeye Salmon	0	201,894,863	257,544,525	0	459,439,388
Coho Salmon	0	9,347,295	37,107,337	0	46,454,633
Pink Salmon	0	4,408,636	37,482,224	0	41,890,860
Chum Salmon	0	12,666,236	15,237,988	0	27,904,224
Other Salmon	0	6,923,223	10,645,246	0	17,568,469
Herring Spawn-on-Kelp	533,107	3,863,947	0	0	4,397,055
Herring Food & Bait	643,101	1,344,455	0	0	1,987,556
Herring Sac Roe	3,148,441	22,470,773	0	0	25,619,214
Misc. Shellfish	1,373,625	1,844,366	1,844,366	3,173,625	8,235,983
Sablefish	0	32,199,796	3,278,244	0	35,478,040
Halibut	0	29,817,199	15,100,519	0	44,917,718
Shrimp	532,508	522,456	0	522,456	1,577,419
Other Species	151,674	151,674	151,674	151,674	606,696
Total	150,235,961	357,222,783	455,724,675	72,469,577	1,035,652,996

Chapter 2, Economic Impacts Statewide

Table 2-10

Statewide Purchases of Fish and Shellfish by Major Species Group during 1992 (in dollars and percent, by quarter)

Ex-Vessel Purchases by Grouping (in dollars)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Crab	56,655,491	7,012,924	14,861,414	48,864,837	127,394,666
Other	2,057,807	2,518,496	1,996,040	3,847,755	10,420,098
Groundfish	85,958,660	16,896,174	57,219,704	18,517,632	178,592,170
Sablefish	0	32,199,796	3,278,244	0	35,478,040
Salmon	1,239,353	241,099,020	363,268,753	1,239,353	606,846,480
Herring	4,324,649	27,679,175	0	0	32,003,824
Halibut	0	29,817,199	15,100,519	0	44,917,718
	150,235,961	357,222,783	455,724,675	72,469,577	1,035,652,996

Percent of Total Value of All Species Groups by Quarter

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Percent of Total
Crab	38%	2%	3%	67%	12%
Other	1%	1%	0%	5%	1%
Groundfish	57%	5%	13%	26%	17%
Sablefish	0%	9%	1%	0%	3%
Salmon	1%	67%	80%	2%	59%
Herring	3%	8%	0%	0%	3%
Halibut	0%	8%	3%	0%	4%
Total	100%	100%	100%	100%	100%

Percent of Value of Species Group by Quarter

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Crab	44%	6%	12%	38%	100%
Other	20%	24%	19%	37%	100%
Groundfish	48%	9%	32%	10%	100%
Sablefish	0%	91%	9%	0%	100%
Salmon	0%	40%	60%	0%	100%
Herring	14%	86%	0%	0%	100%
Halibut	0%	66%	34%	0%	100%
Quarterly Average	15%	34%	44%	7%	100%

Chapter 2, Economic Impacts Statewide

Table 2-11

Statewide Purchases of Fish and Shellfish by Region during 1992 (in dollars and percent, by quarter)

Ex-Vessel Expenditures by Region (in dollars)					
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Alaska Peninsula	11,611,243	52,795,904	47,445,734	12,046,425	123,899,306
Bristol Bay	0	72,832,197	147,766,873	0	220,599,070
Bering Sea/Aleutians	104,317,107	14,395,307	51,672,709	45,167,637	215,552,759
Kenai/Cook Inlet	3,679,133	67,906,829	55,130,144	89,115	126,805,220
Kodiak	17,864,768	44,607,343	36,836,732	10,522,149	109,830,992
Prince William Sound	474,821	36,646,680	18,256,961	414,062	55,792,523
Southeast	12,288,890	60,150,013	87,970,760	4,230,190	164,639,853
Other Alaska	0	6,923,223	10,645,246	0	17,568,469
Total	150,235,961	356,257,496	455,725,159	72,469,577	1,034,688,193

Percent of Total Value by Region & Quarter					Percent of Total
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	
Alaska Peninsula	8%	15%	10%	17%	12%
Bristol Bay	0%	20%	32%	0%	21%
Bering Sea/Aleutians	69%	4%	11%	62%	21%
Kenai/Cook Inlet	2%	19%	12%	0%	12%
Kodiak	12%	13%	8%	15%	11%
Prince William Sound	0%	10%	4%	1%	5%
Southeast	8%	17%	19%	6%	16%
Other Alaska	0%	2%	2%	0%	2%
Total	100%	100%	100%	100%	100%

Percent by Annual Value by Region and Quarter					
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Alaska Peninsula	9%	43%	38%	10%	100%
Bristol Bay	0%	33%	67%	0%	100%
Bering Sea/Aleutians	48%	7%	24%	21%	100%
Kenai/Cook Inlet	3%	54%	43%	0%	100%
Kodiak	16%	41%	34%	10%	100%
Prince William Sound	1%	66%	33%	1%	100%
Southeast	7%	37%	53%	3%	100%
Other Alaska	0%	39%	61%	0%	100%
Quarterly Average	15%	34%	44%	7%	100%

Chapter 2, Economic Impacts Statewide

Table 2-12

**Purchases of Chinook Salmon by the Shoreside Processing Industry
during 1992 (in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	65%	35%	0%	100%
Bristol Bay	0%	80%	20%	0%	100%
Bering Sea/Aleutians	0%	0%	0%	0%	0%
Kenai/Cook Inlet	0%	70%	30%	0%	100%
Kodiak	0%	70%	30%	0%	100%
Prince William Sound	0%	40%	60%	0%	100%
Southeast	15%	35%	35%	15%	100%
A-Y-K	0%	50%	50%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	318,055	171,261	0	489,316
Bristol Bay	0	919,481	229,870	0	1,149,351
Bering Sea/Aleutians	0	0	0	0	0
Kenai/Cook Inlet	0	318,567	136,529	0	455,095
Kodiak	0	243,472	104,345	0	347,817
Prince William Sound	0	409,080	613,619	0	1,022,699
Southeast	565,141	1,318,661	1,318,661	565,141	3,767,604
A-Y-K	0	1,765,328	1,765,328	0	3,530,656
Total	565,141	5,292,644	4,339,613	565,141	10,762,538

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	326,840	175,991	0	502,830
Bristol Bay	0	857,876	214,469	0	1,072,344
Bering Sea/Aleutians	0	0	0	0	0
Kenai/Cook Inlet	0	409,039	175,303	0	584,342
Kodiak	0	248,098	106,328	0	354,426
Prince William Sound	0	1,124,969	1,687,453	0	2,812,422
Southeast	1,239,353	2,891,824	2,891,824	1,239,353	8,262,356
A-Y-K	0	5,481,343	5,481,343	0	10,962,687
Total	1,239,353	11,339,989	10,732,711	1,239,353	24,551,407

Chapter 2, Economic Impacts Statewide

Table 2-13

Purchases of Sockeye Salmon by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	60%	40%	0%	100%
Bristol Bay	0%	30%	70%	0%	100%
Bering Sea/Aleutians	0%	0%	0%	0%	0%
Kenai	0%	50%	50%	0%	100%
Kodiak	0%	50%	50%	0%	100%
Prince William Sound	0%	80%	20%	0%	100%
Southeast	0%	50%	50%	0%	100%
A-Y-K	0%	30%	70%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	28,750,251	19,166,834	0	47,917,085
Bristol Bay	0	55,565,036	129,651,751	0	185,216,787
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	30,438,289	30,438,289	0	60,876,578
Kodiak	0	11,839,674	11,839,674	0	23,679,347
Prince William Sound	0	8,478,376	2,119,594	0	10,597,970
Southeast	0	8,079,187	8,079,187	0	16,158,373
A-Y-K	0	409,051	954,452	0	1,363,503
Total	0	143,559,863	202,249,780	0	345,809,643

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	42,014,138	28,009,425	0	70,023,563
Bristol Bay	0	62,343,971	145,469,265	0	207,813,235
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	48,518,633	48,518,633	0	97,037,265
Kodiak	0	17,392,480	17,392,480	0	34,784,961
Prince William Sound	0	17,965,679	4,491,420	0	22,457,098
Southeast	0	13,669,984	13,669,984	0	27,339,967
A-Y-K	0	377,145	880,005	0	1,257,150
Total	0	202,282,029	258,431,211	0	460,713,239

Table 2-14

**Purchases of Coho Salmon by the Shoreside Processing Industry
during 1992 (in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	20%	80%	0%	100%
Bristol Bay	0%	10%	90%	0%	100%
Bering Sea/Aleutians	0%	0%	0%	0%	0%
Kenai	0%	40%	60%	0%	100%
Kodiak	0%	40%	60%	0%	100%
Prince William Sound	0%	10%	90%	0%	100%
Southeast	0%	20%	80%	0%	100%
A-Y-K	0%	20%	80%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	1,335,801	5,343,205	0	6,679,006
Bristol Bay	0	134,260	1,208,343	0	1,342,603
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	1,224,286	1,836,430	0	3,060,716
Kodiak	0	916,937	1,375,405	0	2,292,342
Prince William Sound	0	536,741	4,830,665	0	5,367,406
Southeast	0	5,685,800	22,743,201	0	28,429,001
A-Y-K	0	1,317,306	5,270,022	0	6,587,528
Total	0	11,151,331	42,607,271	0	53,758,602

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	803,982	3,215,927	0	4,019,909
Bristol Bay	0	78,542	706,880	0	785,423
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	797,010	1,195,516	0	1,992,526
Kodiak	0	516,235	774,353	0	1,290,589
Prince William Sound	0	521,712	4,695,407	0	5,217,119
Southeast	0	6,629,643	26,518,572	0	33,148,215
A-Y-K	0	577,067	2,308,270	0	2,885,337
Total	0	9,924,192	39,414,925	0	49,339,117

Chapter 2, Economic Impacts Statewide

Table 2-15

Purchases of Pink Salmon by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	10%	90%	0%	100%
Bristol Bay	0%	10%	90%	0%	100%
Bering Sea/Aleutians	0%	0%	0%	0%	0%
Kenai	0%	10%	90%	0%	100%
Kodiak	0%	20%	80%	0%	100%
Prince William Sound	0%	10%	90%	0%	100%
Southeast	0%	10%	90%	0%	100%
A-Y-K	0%	0%	100%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	4,005,571	36,050,140	0	40,055,711
Bristol Bay	0	180,962	1,628,659	0	1,809,621
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	421,534	3,793,809	0	4,215,343
Kodiak	0	2,480,792	9,923,169	0	12,403,961
Prince William Sound	0	2,936,529	26,428,762	0	29,365,291
Southeast	0	11,519,330	103,673,966	0	115,193,295
A-Y-K	0	0	356,592	0	356,592
Total	0	21,544,718	181,855,096	0	203,399,814

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	630,144	5,671,298	0	6,301,442
Bristol Bay	0	21,715	195,439	0	217,155
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	64,073	576,659	0	640,732
Kodiak	0	439,100	1,756,401	0	2,195,501
Prince William Sound	0	601,988	5,417,896	0	6,019,885
Southeast	0	2,649,446	23,845,012	0	26,494,458
A-Y-K	0	0	24,961	0	24,961
Total	0	4,406,467	37,487,666	0	41,894,134

Table 2-16

Purchases of Chum Salmon by the Shoreside Processing Industry
during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	50%	50%	0%	100%
Bristol Bay	0%	20%	80%	0%	100%
Bering Sea/Aleutians	0%	0%	0%	0%	0%
Kenai	0%	30%	70%	0%	100%
Kodiak	0%	20%	80%	0%	100%
Prince William Sound	0%	30%	70%	0%	100%
Southeast	0%	50%	50%	0%	100%
A-Y-K	0%	20%	80%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	6,356,577	6,356,577	0	12,713,153
Bristol Bay	0	631,677	2,526,708	0	3,158,385
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	616,322	1,438,086	0	2,054,408
Kodiak	0	985,641	3,942,563	0	4,928,204
Prince William Sound	0	780,147	1,820,342	0	2,600,489
Southeast	0	19,753,889	19,753,889	0	39,507,777
A-Y-K	0	1,693,287	6,773,149	0	8,466,436
Total	0	30,817,539	42,611,313	0	73,428,852

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	1,891,363	1,891,363	0	3,782,725
Bristol Bay	0	168,026	672,104	0	840,130
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	224,341	523,463	0	747,805
Kodiak	0	374,544	1,498,174	0	1,872,718
Prince William Sound	0	483,691	1,128,612	0	1,612,303
Southeast	0	9,521,374	9,521,374	0	19,042,749
A-Y-K	0	487,667	1,950,667	0	2,438,334
Total	0	13,151,005	17,185,757	0	30,336,763

Chapter 2, Economic Impacts Statewide

Table 2-17

Purchases of Halibut by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	75%	25%	0%	100%
Bristol Bay	0%	50%	50%	0%	100%
Bering Sea/Aleutians	0%	66%	34%	0%	100%
Kenai	0%	66%	34%	0%	100%
Kodiak	0%	66%	34%	0%	100%
Prince William Sound	0%	66%	34%	0%	100%
Southeast	0%	66%	34%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	1,612,826	537,609	0	2,150,434
Bristol Bay	0	20,740	20,740	0	41,480
Bering Sea/Aleutians	0	3,725,346	1,919,117	0	5,644,463
Kenai	0	7,485,280	3,856,054	0	11,341,334
Kodiak	0	8,876,300	4,572,640	0	13,448,940
Prince William Sound	0	1,668,639	859,602	0	2,528,241
Southeast	0	8,423,084	4,339,164	0	12,762,248
Total	0	31,812,215	16,104,925	0	47,917,140

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	1,493,476	497,825	0	1,991,302
Bristol Bay	0	24,100	24,100	0	48,200
Bering Sea/Aleutians	0	3,453,395	1,779,022	0	5,232,417
Kenai	0	6,841,546	3,524,433	0	10,365,979
Kodiak	0	8,104,062	4,174,820	0	12,278,882
Prince William Sound	0	1,570,189	808,885	0	2,379,075
Southeast	0	8,330,430	4,291,434	0	12,621,863
Total	0	29,817,199	15,100,519	0	44,917,718

Chapter 2, Economic Impacts Statewide

Table 2-18

**Purchases of Herring Spawn-On-Kelp by the
Shoreside Processing Industry during 1992
(in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	0%	0%	0%	0%
Bristol Bay	0%	100%	0%	0%	100%
Bering Sea/Aleutians	0%	0%	0%	0%	0%
Kenai	0%	0%	0%	0%	0%
Kodiak	0%	0%	0%	0%	0%
Prince William Sound	0%	100%	0%	0%	100%
Southeast	100%	0%	0%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	363,529	0	0	363,529
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	0	0	0	0
Kodiak	0	0	0	0	0
Prince William Sound	0	989,097	0	0	989,097
Southeast	98,614	0	0	0	98,614
Total	98,614	1,352,626	0	0	1,451,240

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	253,743	0	0	253,743
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	0	0	0	0
Kodiak	0	0	0	0	0
Prince William Sound	0	3,610,204	0	0	3,610,204
Southeast	533,107	0	0	0	533,107
Total	533,107	3,863,947	0	0	4,397,055

Chapter 2, Economic Impacts Statewide

Table 2-19

**Purchases of Food & Bait Herring by the Shoreside Processing Industry
during 1992 (in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	100%	0%	0%	100%
Bristol Bay	0%	100%	0%	0%	100%
Bering Sea/Aleutians	0%	0%	0%	0%	100%
Kenai	0%	100%	0%	0%	100%
Kodiak	0%	0%	0%	0%	100%
Prince William Sound	0%	100%	0%	0%	100%
Southeast	100%	0%	0%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	5,604,804	0	0	5,604,804
Bristol Bay	0	1,028,963	0	0	1,028,963
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	70,357	0	0	70,357
Kodiak	0	0	0	0	0
Prince William Sound	0	7,800,545	0	0	7,800,545
Southeast	4,694,168	0	0	0	4,694,168
Total	4,694,168	14,504,669	0	0	19,198,837

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	633,343	0	0	633,343
Bristol Bay	0	25,724	0	0	25,724
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	17,589	0	0	17,589
Kodiak	0	0	0	0	0
Prince William Sound	0	655,246	0	0	655,246
Southeast	643,101	0	0	0	643,101
Total	643,101	1,331,902	0	0	1,975,003

Chapter 2, Economic Impacts Statewide

Table 2-20

Purchases of Sac Roe Herring by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	100%	0%	0%	100%
Bristol Bay	0%	100%	0%	0%	100%
Bering Sea/Aleutians	0%	0%	0%	0%	0%
Kenai	0%	100%	0%	0%	100%
Kodiak	0%	100%	0%	0%	100%
Prince William Sound	0%	100%	0%	0%	100%
Southeast	100%	0%	0%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	6,657,570	0	0	6,657,570
Bristol Bay	0	50,586,934	0	0	50,586,934
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	4,563,197	0	0	4,563,197
Kodiak	0	8,564,910	0	0	8,564,910
Prince William Sound	0	35,616,769	0	0	35,616,769
Southeast	13,228,744	0	0	0	13,228,744
Total	13,228,744	105,989,380	0	0	119,218,124

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	1,178,390	0	0	1,178,390
Bristol Bay	0	9,055,061	0	0	9,055,061
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	1,410,028	0	0	1,410,028
Kodiak	0	2,252,571	0	0	2,252,571
Prince William Sound	0	7,621,989	0	0	7,621,989
Southeast	3,148,441	0	0	0	3,148,441
Total	3,148,441	21,518,039	0	0	24,666,480

Chapter 2, Economic Impacts Statewide

Table 2-21

Purchases of Sablefish by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	100%	0%	0%	100%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	0%	100%	0%	0%	100%
Kenai	0%	100%	0%	0%	100%
Kodiak	0%	100%	0%	0%	100%
Prince William Sound	0%	100%	0%	0%	100%
Southeast	0%	80%	20%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	369,932	0	0	369,932
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	585,101	0	0	585,101
Kenai	0	8,858,083	0	0	8,858,083
Kodiak	0	6,644,664	0	0	6,644,664
Prince William Sound	0	2,376,559	0	0	2,376,559
Southeast	0	13,008,904	3,252,226	0	16,261,130
Total	0	31,843,242	3,252,226	0	35,095,468

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	372,891	0	0	372,891
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	691,589	0	0	691,589
Kenai	0	8,928,947	0	0	8,928,947
Kodiak	0	6,697,822	0	0	6,697,822
Prince William Sound	0	2,395,571	0	0	2,395,571
Southeast	0	13,112,975	3,278,244	0	16,391,219
Total	0	32,199,796	3,278,244	0	35,478,040

Chapter 2, Economic Impacts Statewide

Table 2-22

Purchases of Pollock by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	60%	20%	0%	20%	100%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	56%	0%	44%	0%	100%
Kenai	100%	0%	0%	0%	100%
Kodiak	29%	18%	36%	18%	100%
Prince William Sound	100%	0%	0%	0%	100%
Southeast	100%	0%	0%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	18,167,786	6,055,595	0	6,055,595	30,277,976
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	445,827,616	0	350,293,127	0	796,120,743
Kenai	559,968	0	0	0	559,968
Kodiak	42,983,703	26,679,540	53,359,080	26,679,540	149,701,864
Prince William Sound	44,092	0	0	0	44,092
Southeast	6,614	0	0	0	6,614
Total	507,588,779	32,735,135	403,652,207	32,735,135	976,711,257

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	2,797,685	932,562	0	932,562	4,662,808
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	55,282,624	0	43,436,348	0	98,718,972
Kenai	86,235	0	0	0	86,235
Kodiak	6,619,490	4,108,649	8,217,298	4,108,649	23,054,087
Prince William Sound	6,790	0	0	0	6,790
Southeast	1,019	0	0	0	1,019
Total	64,793,844	5,041,211	51,653,646	5,041,211	126,529,911

Chapter 2, Economic Impacts Statewide

Table 2-23

Purchases of Pacific Cod by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	29%	7%	0%	64%	100%
Bristol Bay	0%	0%	100%	0%	100%
Bering Sea/Aleutians	45%	37%	10%	8%	100%
Kenai	100%	0%	0%	0%	100%
Kodiak	67%	28%	3%	2%	100%
Prince William Sound	50%	5%	1%	44%	100%
Southeast	0%	33%	33%	33%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	16,913,581	4,082,589	0	37,326,524	58,322,693
Bristol Bay	0	0	1,955,480	0	1,955,480
Bering Sea/Aleutians	21,776,929	17,905,475	4,839,317	3,871,454	48,393,175
Kenai	9,680,399	0	0	0	9,680,399
Kodiak	28,646,749	12,153,166	1,302,125	868,083	42,970,123
Prince William Sound	1,763,680	176,368	35,274	1,552,038	3,527,360
Southeast	0	244,446	244,446	244,446	733,338
Total	78,781,337	34,562,043	8,376,642	43,862,545	165,582,568

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	4,312,963	1,041,060	0	9,518,263	14,872,287
Bristol Bay	0	0	453,671	0	453,671
Bering Sea/Aleutians	5,052,247	4,154,070	1,122,722	898,177	11,227,217
Kenai	2,468,502	0	0	0	2,468,502
Kodiak	7,304,921	3,099,057	332,042	221,361	10,957,381
Prince William Sound	449,738	44,974	8,995	395,770	899,477
Southeast	0	62,334	62,334	62,334	187,001
Total	19,588,372	8,401,495	1,979,763	11,095,906	41,065,536

Table 2-24

**Purchases of Soles by the Shoreside Processing Industry
during 1992 (in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	100%	0%	0%	100%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	0%	50%	50%	0%	100%
Kenai	0%	0%	0%	0%	0%
Kodiak	11%	15%	38%	37%	100%
Prince William Sound	0%	0%	0%	0%	0%
Southeast	0%	0%	0%	0%	0%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	84,436	0	0	84,436
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	4,587,773	4,587,773	0	9,175,545
Kenai	0	48,501	0	0	48,501
Kodiak	327,383	446,432	1,130,960	1,101,198	3,005,972
Prince William Sound	0	8,818	0	0	8,818
Southeast	0	0	0	0	0
Total	327,383	5,175,960	5,718,732	1,101,198	12,323,273

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	8,866	0	0	8,866
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	688,166	688,166	0	1,376,332
Kenai	0	5,093	0	0	5,093
Kodiak	34,375	46,875	118,751	115,626	315,627
Prince William Sound	0	926	0	0	926
Southeast	0	0	0	0	0
Total	34,375	749,926	806,917	115,626	1,706,843

Chapter 2, Economic Impacts Statewide

Table 2-25

**Purchases of Flounders by the Shoreside Processing Industry
during 1992 (in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	100%	0%	0%	100%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	0%	50%	50%	0%	100%
Kenai	50%	50%	0%	0%	100%
Kodiak	11%	15%	38%	37%	100%
Prince William Sound	0%	100%	0%	0%	100%
Southeast	33%	33%	0%	33%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	3,948,439	0	0	3,948,439
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	3,895,528	3,895,528	0	7,791,056
Kenai	1,244,497	1,244,497	0	0	2,488,993
Kodiak	3,438,978	4,689,515	11,880,104	11,567,470	31,576,067
Prince William Sound	0	297,621	0	0	297,621
Southeast	977,784	977,784	0	977,784	2,933,353
Total	5,661,258	15,053,384	15,775,633	12,545,254	49,035,529

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	414,586	0	0	414,586
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	584,329	584,329	0	1,168,658
Kenai	130,672	130,672	0	0	261,344
Kodiak	361,093	492,399	1,247,411	1,214,584	3,315,487
Prince William Sound	0	31,250	0	0	31,250
Southeast	102,667	102,667	0	102,667	308,002
Total	594,432	1,755,904	1,831,740	1,317,252	5,499,328

Chapter 2, Economic Impacts Statewide

Table 2-26

**Purchases of Miscellaneous Groundfish
by the Shoreside Processing Industry during 1992
(in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	25%	25%	25%	25%	100%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	25%	25%	25%	25%	100%
Kenai	25%	25%	25%	25%	100%
Kodiak	25%	25%	25%	25%	100%
Prince William Sound	25%	25%	25%	25%	100%
Southeast	25%	25%	25%	25%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	121,253	121,253	121,253	121,253	485,012
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	731,376	731,376	731,376	731,376	2,925,504
Kenai	203,926	203,926	203,926	203,926	815,702
Kodiak	857,589	857,589	857,589	857,589	3,430,358
Prince William Sound	61,178	61,178	61,178	61,178	244,711
Southeast	677,915	677,915	677,915	677,915	2,711,658
Total	2,653,236	2,653,236	2,653,236	2,653,236	10,612,944

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	36,255	36,255	36,255	36,255	145,019
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	373,002	373,002	373,002	373,002	1,492,007
Kenai	60,974	60,974	60,974	60,974	243,895
Kodiak	256,419	256,419	256,419	256,419	1,025,677
Prince William Sound	18,292	18,292	18,292	18,292	73,168
Southeast	202,696	202,696	202,696	202,696	810,786
Total	947,638	947,638	947,638	947,638	3,790,552

Chapter 2, Economic Impacts Statewide

Table 2-27

Purchases of King Crab by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	0%	97%	3%	100%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	0%	0%	0%	100%	100%
Kenai	0%	0%	0%	0%	0%
Kodiak	0%	0%	0%	100%	100%
Prince William Sound	0%	0%	0%	0%	0%
Southeast	0%	0%	0%	0%	0%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	929,029	24,506	953,535
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	0	0	3,369,900	3,369,900
Kenai	0	0	0	0	0
Kodiak	0	0	0	286,821	286,821
Prince William Sound	0	0	0	0	0
Southeast	0	0	0	0	0
Total	0	0	929,029	3,681,227	4,610,256

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	4,755,700	125,445	4,881,146
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	0	0	17,250,518	17,250,518
Kenai	0	0	0	0	0
Kodiak	0	0	0	1,468,237	1,468,237
Prince William Sound	0	0	0	0	0
Southeast	0	0	0	0	0
Total	0	0	4,755,700	18,844,200	23,599,900

Table 2-28

**Purchases of Brown and Blue King Crab
by the Shoreside Processing Industry during 1992
(in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	0%	0%	0%	0%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	21%	22%	34%	23%	100%
Kenai	0%	0%	0%	0%	0%
Kodiak	0%	0%	0%	0%	0%
Prince William Sound	0%	0%	0%	0%	0%
Southeast	34%	48%	10%	8%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	1,000,920	1,062,663	1,608,207	1,090,075	4,761,864
Kenai					0
Kodiak					0
Prince William Sound					0
Southeast	92,561	132,839	27,039	22,439	274,878
Total	1,093,481	1,195,502	1,635,246	1,112,514	5,036,742

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	2,245,660	2,384,186	3,608,167	2,445,688	10,683,701
Kenai	0	0	0	0	0
Kodiak	0	0	0	0	0
Prince William Sound	0	0	0	0	0
Southeast	296,380	425,350	86,579	71,850	880,159
Total	2,542,040	2,809,537	3,694,746	2,517,538	11,563,861

Chapter 2, Economic Impacts Statewide

Table 2-29

Purchases of Bairdi Tanner Crab by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	4%	0%	66%	30%	100%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	20%	1%	0%	80%	100%
Kenai	100%	0%	0%	0%	100%
Kodiak	53%	0%	0%	47%	100%
Prince William Sound	0%	0%	0%	0%	0%
Southeast	100%	0%	0%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	119,703	0	1,881,697	841,617	2,843,018
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	3,240,705	102,277	0	13,100,155	16,443,137
Kenai	410,000	0	0	0	410,000
Kodiak	1,269,683	0	0	1,130,317	2,400,000
Prince William Sound	0	0	0	0	0
Southeast	1,988,942	0	0	0	1,988,942
Total	7,029,033	102,277	1,881,697	15,072,090	24,085,097

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	203,943	0	3,205,929	1,433,900	4,843,771
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	5,521,329	174,253	0	22,319,298	28,014,880
Kenai	932,750	0	0	0	932,750
Kodiak	2,888,529	0	0	2,571,471	5,460,000
Prince William Sound	0	0	0	0	0
Southeast	4,357,772	0	0	0	4,357,772
Total	13,904,323	174,253	3,205,929	26,324,669	43,609,173

Table 2-30

**Purchases of Opilio Tanner Crab by the Shoreside Processing Industry
during 1992 (in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	81%	19%	0%	0%	100%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	95%	5%	0%	0%	100%
Kenai	0%	0%	0%	0%	0%
Kodiak	45%	29%	0%	26%	100%
Prince William Sound	0%	0%	0%	0%	0%
Southeast	0%	0%	0%	0%	0%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	8,179,311	1,969,977	0	0	10,149,288
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	68,656,219	3,477,541	0	0	72,133,760
Kenai	0	0	0	0	0
Kodiak	359,856	236,743	0	211,344	807,943
Prince William Sound	0	0	0	0	0
Southeast	0	0	0	0	0
Total	77,195,387	5,684,260	0	211,344	83,090,991

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	4,260,397	1,026,111	0	0	5,286,508
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	35,761,291	1,811,363	0	0	37,572,654
Kenai	0	0	0	0	0
Kodiak	187,440	123,313	0	110,084	420,837
Prince William Sound	0	0	0	0	0
Southeast	0	0	0	0	0
Total	40,209,128	2,960,788	0	110,084	43,279,999

Chapter 2, Economic Impacts Statewide

Table 2-31

**Purchases of Dungeness Crab by the Shoreside Processing Industry
during 1992 (in pounds, dollars and percent, by quarter)**

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	0%	0%	0%	0%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	0%	0%	0%	0%	0%
Kenai	0%	0%	0%	0%	0%
Kodiak	0%	20%	60%	20%	100%
Prince William Sound	0%	0%	0%	0%	0%
Southeast	0%	20%	60%	20%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	32,380	97,139	32,380	161,898
Kodiak	0	291,416	874,247	291,416	1,457,078
Prince William Sound	0	0	0	0	0
Southeast	0	893,231	2,679,693	893,231	4,466,155
Total	0	1,217,026	3,651,078	1,217,026	6,085,130

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	0	0	0	0
Kenai	0	28,141	84,423	28,141	140,705
Kodiak	0	253,269	759,807	253,269	1,266,345
Prince William Sound	0	0	0	0	0
Southeast	0	786,937	2,360,810	786,937	3,934,683
Total	0	1,068,346	3,205,039	1,068,346	5,341,732

Chapter 2, Economic Impacts Statewide

Table 2-32

Purchases of Shrimp by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	0%	0%	0%	0%
Bristol Bay	0%	0%	0%	0%	0%
Bering Sea/Aleutians	0%	0%	0%	0%	0%
Kenai/Cook Inlet	0%	0%	0%	0%	0%
Kodiak	100%	0%	0%	0%	100%
Prince William Sound	0%	0%	0%	0%	0%
Southeast	33%	33%	0%	33%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	0	0	0	0
Kenai/Cook Inlet	0	0	0	0	0
Kodiak	2,804	0	0	0	2,804
Prince William Sound	0	0	0	0	0
Southeast	884,020	884,020	0	884,020	2,678,847
Total	1,076,084	1,051,269	0	1,083,126	2,681,651

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	0	0	0	0	0
Kenai/Cook Inlet	0	0	0	0	0
Kodiak	10,052	0	0	0	10,052
Prince William Sound	0	0	0	0	0
Southeast	522,456	522,456	0	522,456	1,567,367
Total	532,508	522,456	0	522,465	1,577,419

Chapter 2, Economic Impacts Statewide

Table 2-33

Purchases of Other Species by the Shoreside Processing Industry during 1992 (in pounds, dollars and percent, by quarter)

By Percent:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Alaska Peninsula	52%	28%	7%	12%	100%
Bristol Bay	0%	31%	69%	0%	100%
Bering Sea/Aleutians	3%	8%	66%	24%	100%
Kenai	0%	0%	0%	0%	0%
Kodiak	1%	16%	80%	2%	100%
Prince William Sound	0%	30%	65%	5%	100%
Southeast	0%	3%	97%	0%	100%

By Pounds:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	81,771	81,771	81,771	81,771	327,084
Kenai	0	0	0	0	0
Kodiak	147,599	147,599	147,599	147,599	590,397
Prince William Sound	0	0	0	0	0
Southeast	40,275	40,275	40,275	40,275	161,101
Total	269,646	269,646	269,646	269,646	1,078,582

In Dollars:	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Alaska Peninsula	0	0	0	0	0
Bristol Bay	0	0	0	0	0
Bering Sea/Aleutians	80,953	80,953	80,953	80,953	323,813
Kenai	0	0	0	0	0
Kodiak	30,848	30,848	30,848	30,848	123,393
Prince William Sound	0	0	0	0	0
Southeast	39,872	39,872	39,872	39,872	159,490
Total	151,674	151,674	151,674	151,674	606,696

Table 2-34

**Purchases of All Goods & Services Combined
by the Shoreside Processing Industry
during 1992 (in dollars and percent, by region and quarter)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	23%	33%	28%	11%	100%
Bristol Bay	13%	41%	44%	2%	100%
Bering Sea/Aleutians	24%	26%	27%	24%	100%
Kenai	17%	34%	37%	13%	100%
Kodiak	18%	22%	47%	13%	100%
Prince William Sound	11%	28%	55%	7%	100%
Southeast	6%	23%	62%	8%	100%

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	2,199,289	3,617,274	2,710,170	1,070,183	9,596,916
Bristol Bay	701,665	2,114,271	2,270,506	120,424	5,206,866
Bering Sea/Aleutians	6,721,892	7,508,985	7,629,658	6,722,999	28,583,534
Kenai	702,753	1,426,248	1,549,988	565,121	4,244,110
Kodiak	1,555,435	1,969,736	4,178,952	1,133,424	8,837,548
Prince William Sound	182,909	484,127	947,718	117,709	1,732,463
Southeast	397,736	1,450,036	3,916,949	534,098	6,298,820
Total	12,461,680	18,570,678	23,203,941	10,263,959	64,500,257

Table 2-35

**Purchases of Consumables by the Shoreside Processing Industry
during 1992 (in dollars and percent, by region and quarter)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	21%	39%	32%	9%	100%
Bristol Bay	5%	33%	59%	2%	100%
Bering Sea/Aleutians	21%	28%	28%	24%	100%
Kenai	21%	30%	31%	18%	100%
Kodiak	16%	27%	45%	12%	100%
Prince William Sound	10%	23%	62%	5%	100%
Southeast	4%	23%	69%	4%	100%

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	1,247,875	2,346,000	1,917,688	569,688	6,081,250
Bristol Bay	105,330	672,192	1,186,361	43,531	2,007,414
Bering Sea/Aleutians	3,020,980	4,102,322	4,048,937	3,432,772	14,605,011
Kenai	354,211	501,376	518,555	295,428	1,669,570
Kodiak	563,418	921,459	1,550,082	428,792	3,463,751
Prince William Sound	38,803	94,534	249,668	19,303	402,309
Southeast	169,910	908,721	2,764,846	144,113	3,987,591
Total	5,500,527	9,546,605	12,236,137	4,933,627	32,216,896

Table 2-36

**Purchases of Services by the Shoreside Processing Industry
during 1992 (in dollars and percent, by region and quarter)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	27%	36%	23%	14%	100%
Bristol Bay	22%	52%	26%	0%	100%
Bering Sea/Aleutians	26%	24%	25%	24%	100%
Kenai	19%	44%	31%	7%	100%
Kodiak	5%	9%	80%	6%	100%
Prince William Sound	6%	27%	63%	4%	100%
Southeast	8%	28%	50%	15%	100%

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	900,906	1,167,781	756,594	453,844	3,279,125
Bristol Bay	480,455	1,121,860	561,608	6,901	2,170,824
Bering Sea/Aleutians	3,211,868	2,957,256	3,084,092	2,890,470	12,143,686
Kenai	209,447	488,472	351,543	73,009	1,122,471
Kodiak	101,643	171,893	1,559,187	114,843	1,947,566
Prince William Sound	14,390	61,919	140,846	8,140	225,295
Southeast	92,217	324,997	580,628	169,515	1,167,356
Total	5,010,926	6,294,177	7,034,498	3,716,722	22,056,324

Chapter 2, Economic Impacts Statewide

Table 2-37

Purchases of Electricity by the Shoreside Processing Industry during 1992 (in dollars and percent, by region and quarter)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	16%	25%	28%	31%	100%
Bristol Bay	13%	32%	46%	9%	100%
Bering Sea/Aleutians	30%	23%	25%	22%	100%
Kenai	9%	29%	48%	14%	100%
Kodiak	26%	26%	31%	17%	100%
Prince William Sound	12%	31%	49%	8%	100%
Southeast	13%	19%	49%	18%	100%

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	9,894	15,951	17,465	19,282	62,593
Bristol Bay	100,941	241,081	345,285	64,684	751,991
Bering Sea/Aleutians	21,823	16,891	18,647	16,256	73,618
Kenai	109,121	357,283	585,123	168,060	1,219,588
Kodiak	702,323	703,081	844,426	461,115	2,710,945
Prince William Sound	110,964	286,798	462,828	78,427	939,016
Southeast	114,731	160,924	419,518	157,251	852,424
Total	1,169,796	1,782,010	2,693,292	965,076	6,610,174

Table 2-38

**Purchases of Water by the Shoreside Processing Industry
during 1992 (in dollars and percent, by region and quarter)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	18%	59%	7%	17%	100%
Bristol Bay	12%	45%	42%	1%	100%
Bering Sea/Aleutians	25%	26%	26%	23%	100%
Kenai	13%	34%	40%	12%	100%
Kodiak	25%	24%	35%	17%	100%
Prince William Sound	8%	20%	65%	6%	100%
Southeast	3%	18%	57%	21%	100%

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	8,400	28,007	3,115	8,311	47,833
Bristol Bay	3,881	14,380	13,263	313	31,836
Bering Sea/Aleutians	333,840	354,712	353,775	308,199	1,350,526
Kenai	26,964	70,545	82,807	24,530	204,846
Kodiak	91,184	86,920	125,839	60,704	364,648
Prince William Sound	8,160	19,724	63,187	6,026	97,098
Southeast	5,378	29,345	92,554	33,934	161,211
Total	477,807	603,633	734,540	442,017	2,257,997

Chapter 2, Economic Impacts Statewide

Table 2-39

**Purchases of Sewer Services by the Shoreside Processing Industry
during 1992 (in dollars and percent, by region and quarter)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0%	0%	0%	0%	100%
Bristol Bay	6%	60%	33%	0%	100%
Bering Sea/Aleutians	40%	10%	40%	10%	100%
Kenai	13%	28%	47%	12%	100%
Kodiak	21%	21%	33%	25%	100%
Prince William Sound	17%	21%	44%	17%	100%
Southeast	14%	21%	37%	28%	100%

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	0	0	0	0	0
Bristol Bay	462	4,281	2,375	0	7,118
Bering Sea/Aleutians	26,327	6,582	26,327	6,582	65,816
Kenai	2,424	5,474	9,030	2,335	19,264
Kodiak	5,727	5,855	9,117	6,861	27,560
Prince William Sound	1,657	2,020	4,198	1,657	9,533
Southeast	13,799	20,257	35,780	26,920	96,756
Total	50,396	44,469	86,826	44,356	226,046

Table 2-40

**Purchases of Other Services by the Shoreside Processing Industry
during 1992 (in dollars and percent, by region and quarter)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	26%	47%	12%	15%	100%
Bristol Bay	4%	25%	68%	2%	100%
Bering Sea/Aleutians	31%	21%	28%	20%	100%
Kenai	7%	37%	35%	21%	100%
Kodiak	28%	25%	28%	19%	100%
Prince William Sound	15%	32%	46%	7%	100%
Southeast	5%	17%	71%	7%	100%

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	TOTAL
Alaska Peninsula	32,214	59,535	15,308	19,058	126,116
Bristol Bay	10,597	60,478	161,613	4,996	237,684
Bering Sea/Aleutians	107,054	71,222	97,881	68,720	344,878
Kenai	586	3,097	2,930	1,758	8,371
Kodiak	91,140	80,528	90,301	61,109	323,078
Prince William Sound	8,935	19,131	26,991	4,155	59,213
Southeast	1,702	5,793	23,623	2,363	33,481
Total	252,228	299,785	418,647	162,161	1,132,820

Chapter 2, Economic Impacts Statewide

Table 2-41

Summary of Shoreside Seafood Processing Employment Impacts during 1992 (by region)

1992 Total	Average Monthly Employment	Annual Payroll	Annual Fringe Benefits. Costs at 30%
Alaska Peninsula	1,800	47,044,132	14,113,240
Bristol Bay	1,138	30,960,990	9,288,297
Bering Sea/Aleutians	3,473	89,320,882	26,796,265
Kenai	1,209	24,421,640	7,326,492
Kodiak	1,631	34,056,130	10,216,839
Prince William Sound	492	10,246,262	3,073,878
Southeast	1,391	31,996,061	9,598,818
Balance of State	99	2,656,368	796,910
Total	11,233	\$270,702,465	81,210,739

1992 Total	Total Employees Flown	Total Airfare Cost	Total Expenditures
Alaska Peninsula	2,321	5,801,438	66,958,810
Bristol Bay	1,466	2,386,522	42,635,809
Bering Sea/Aleutians	4,337	9,539,015	125,656,162
Kenai	232	332,410	32,080,541
Kodiak	338	320,363	44,593,332
Prince William Sound	295	271,453	13,591,594
Southeast	482	979,087	42,573,966
Balance of State	-	-	3,453,278
Total	9,471	19,630,287	\$371,543,491

Table 2-42

Summary of Shoreside Seafood Processing Employment Impacts
during the First Quarter, 1992 (by region)

1st Quarter Total	Average Monthly Employment	Total Payroll	Annual Fringe Benefits. Costs at 30%
Alaska Peninsula	1,682	10,522,329	3,156,699
Bristol Bay	212	1,328,587	398,576
Bering Sea/Aleutians	5,066	31,696,300	9,508,890
Kenai	516	2,586,971	776,091
Kodiak	1,558	7,951,104	2,385,331
Prince William Sound	235	1,201,258	360,377
Southeast	579	2,515,316	754,595
Balance of State	0	0	0
Total	9,848	\$57,801,866	17,340,560

1st Quarter Total	Total Employees Flown	Total Airfare Cost	Total Expenditures
Alaska Peninsula	4,275	2,482,159	16,161,186
Bristol Bay	18	11,855	1,739,019
Bering Sea/Aleutians	6,672	3,458,934	44,664,125
Kenai	39	29,638	3,392,701
Kodiak	93	18,029	10,354,465
Prince William Sound	404	130,897	1,692,532
Southeast	158	77,940	3,347,851
Balance of State	-	-	0
Total	11,658	6,209,452	\$81,351,879

Chapter 2, Economic Impacts Statewide

Table 2-43

Summary of Shoreside Seafood Processing Employment Impacts during the Second Quarter, 1992 (by region)

2nd Quarter Total	Average Monthly Employment	Total Payroll	Annual Fringe Benefits. Costs at 30%
Alaska Peninsula	2,324	12,925,563	3,877,669
Bristol Bay	1,517	8,440,276	2,532,083
Bering Sea/Aleutians	3,428	19,070,350	5,721,105
Kenai	1,507	6,552,263	1,965,679
Kodiak	1,719	7,502,515	2,250,755
Prince William Sound	581	2,535,263	760,579
Southeast	1,208	5,766,709	1,730,013
Balance of State	29	196,768	59,030
Total	12,314	\$62,989,706	18,896,912

2nd Quarter Total	Total Employees Flown	Total Airfare Cost	Total Expenditures
Alaska Peninsula	3,437	2,327,760	19,130,992
Bristol Bay	3,509	1,443,822	12,416,181
Bering Sea/Aleutians	4,527	2,531,111	27,322,566
Kenai	541	193,641	8,711,583
Kodiak	427	142,537	9,895,807
Prince William Sound	290	81,885	3,377,727
Southeast	851	364,278	7,861,000
Balance of State	-	-	255,798
Total	13,582	7,085,036	\$88,971,654

Chapter 2, Economic Impacts Statewide

Table 2-44

Summary of Shoreside Seafood Processing Employment Impacts during the Third Quarter, 1992 (by region)

3rd Quarter Total	Average Monthly Employment	Total Payroll	Annual Fringe Benefits. Costs at 30%
Alaska Peninsula	2,502	18,862,859	5,658,858
Bristol Bay	2,685	20,247,727	6,074,318
Bering Sea/Aleutians	2,384	17,973,125	5,391,937
Kenai	2,424	13,125,597	3,937,679
Kodiak	2,271	12,498,889	3,749,667
Prince William Sound	916	5,042,124	1,512,637
Southeast	2,908	18,798,829	5,639,649
Balance of State	361	2,419,352	725,806
Total	16,451	\$108,968,501	32,690,550

3rd Quarter Total	Total Employees Flown	Total Airfare Cost	Total Expenditures
Alaska Peninsula	681	360,186	24,881,902
Bristol Bay	2,337	930,844	27,252,888
Bering Sea/Aleutians	1,559	873,159	24,238,221
Kenai	317	94,794	17,158,071
Kodiak	758	131,820	16,380,376
Prince William Sound	220	26,507	6,581,268
Southeast	825	331,313	24,769,790
Balance of State	-	-	3,145,158
Total	6,696	2,748,622	\$144,407,674

Chapter 2, Economic Impacts Statewide

Table 2-45

Summary of Shoreside Seafood Processing Employment Impacts during the Fourth Quarter, 1992 (by region)

4th Quarter Total	Average Monthly Employment	Total Payroll	Annual Fringe Benefits. Costs at 30%
Alaska Peninsula	693	4,733,381	1,420,014
Bristol Bay	138	944,401	283,320
Bering Sea/Aleutians	3,015	20,581,107	6,174,332
Kenai	388	2,156,808	647,042
Kodiak	977	6,103,622	1,831,086
Prince William Sound	235	1,467,617	440,285
Southeast	869	4,915,207	1,474,562
Balance of State	6	40,248	12,074
Total	6,321	\$40,942,390	12,282,717

4th Quarter Total	Total Employees Flown	Total Airfare Cost	Total Expenditures
Alaska Peninsula	891	631,333	6,784,729
Bristol Bay	0	0	1,227,721
Bering Sea/Aleutians	4,589	2,675,810	29,431,249
Kenai	32	14,336	2,818,187
Kodiak	75	27,976	7,962,685
Prince William Sound	265	32,165	1,940,067
Southeast	96	205,556	6,595,325
Balance of State	-	-	52,322
Total	5,948	3,587,177	\$56,812,285

Chapter 2, Economic Impacts Statewide

Table 2-46

Shoreside Seafood Processing Employment Impacts during the First Quarter, 1992 (by region, by month)

January	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	1,251	2,609,204	782,761	3,391,965
Bristol Bay	119	248,198	74,459	322,657
Bering Sea/Aleutians	3,903	8,140,466	2,442,140	10,582,606
Kenai	433	726,865	218,059	944,924
Kodiak	1,030	1,752,544	525,763	2,278,307
Prince William Sound	105	178,657	53,597	232,255
Southeast	571	826,378	247,913	1,074,292
Balance of State	0	0	0	0
Total	7,412	\$14,482,312	4,344,694	\$18,827,005
February	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	2,062	4,300,702	1,290,211	5,590,913
Bristol Bay	243	506,824	152,047	658,871
Bering Sea/Aleutians	5,416	11,296,122	3,388,837	14,684,958
Kenai	474	792,390	237,717	1,030,108
Kodiak	1,797	3,057,593	917,278	3,974,871
Prince William Sound	275	467,912	140,374	608,286
Southeast	543	785,855	235,757	1,021,612
Balance of State	0	0	0	0
Total	10,810	\$21,207,399	6,362,220	\$27,569,619
March	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	1,732	3,612,423	1,083,727	4,696,150
Bristol Bay	275	573,566	172,070	745,636
Bering Sea/Aleutians	5,878	12,259,713	3,677,914	15,937,627
Kenai	641	1,067,716	320,315	1,388,030
Kodiak	1,846	3,140,967	942,290	4,083,257
Prince William Sound	326	554,689	166,407	721,095
Southeast	624	903,082	270,925	1,174,007
Balance of State	0	0	0	0
Total	11,322	\$22,112,155	6,633,647	\$28,745,802

Chapter 2. Economic Impacts Statewide

Table 2-47

Shoreside Seafood Processing Employment Impacts during the Second Quarter, 1992 (by region, by month)

April	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	2,794	5,180,608	1,554,183	6,734,791
Bristol Bay	1,164	2,158,278	647,483	2,805,761
Bering Sea/Aleutians	3,860	7,157,176	2,147,153	9,304,328
Kenai	1,257	1,820,973	546,292	2,367,265
Kodiak	1,450	2,109,082	632,725	2,741,807
Prince William Sound	445	647,270	194,181	841,451
Southeast	886	1,409,852	422,956	1,832,808
Balance of State	0	0	0	0
Total	11,856	\$20,483,240	6,144,972	\$26,628,212
May	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	2,016	3,738,048	1,121,414	4,859,463
Bristol Bay	1,583	2,935,184	880,555	3,815,739
Bering Sea/Aleutians	3,153	5,846,263	1,753,879	7,600,142
Kenai	1,209	1,751,155	525,347	2,276,502
Kodiak	1,412	2,053,810	616,143	2,669,953
Prince William Sound	566	823,269	246,981	1,070,250
Southeast	1,134	1,804,483	541,345	2,345,828
Balance of State	29	64,844	19,453	84,297
Total	11,102	\$19,017,057	5,705,117	\$24,722,174
June	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	2,161	4,006,906	1,202,072	5,208,978
Bristol Bay	1,805	3,346,814	1,004,044	4,350,858
Bering Sea/Aleutians	3,272	6,066,912	1,820,073	7,886,985
Kenai	2,054	2,980,134	894,040	3,874,175
Kodiak	2,296	3,339,623	1,001,887	4,341,510
Prince William Sound	732	1,064,723	319,417	1,384,140
Southeast	1,604	2,552,373	765,712	3,318,085
Balance of State	59	131,924	39,577	171,501
Total	13,983	\$23,489,409	7,046,823	\$30,536,232

Chapter 2, Economic Impacts Statewide

Table 2-48

Shoreside Seafood Processing Employment Impacts during the Third Quarter, 1992 (by region, by month)

July	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	2,876	7,228,459	2,168,538	9,396,996
Bristol Bay	4,706	11,827,930	3,548,379	15,376,309
Bering Sea/Aleutians	2,224	5,589,740	1,676,922	7,266,662
Kenai	3,554	6,447,950	1,934,385	8,382,335
Kodiak	2,715	4,981,574	1,494,472	6,476,047
Prince William Sound	1,004	1,842,173	552,652	2,394,825
Southeast	2,860	6,162,138	1,848,641	8,010,779
Balance of State	479	1,071,044	321,313	1,392,357
Total	20,418	\$45,151,007	13,545,302	\$58,696,309
August	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	2,756	6,926,854	2,078,056	9,004,910
Bristol Bay	2,487	6,250,757	1,875,227	8,125,984
Bering Sea/Aleutians	2,136	5,368,563	1,610,569	6,979,132
Kenai	2,389	4,310,368	1,293,111	5,603,479
Kodiak	2,340	4,293,511	1,288,053	5,581,565
Prince William Sound	1,179	2,163,269	648,981	2,812,250
Southeast	3,278	7,062,758	2,118,827	9,181,585
Balance of State	435	972,660	291,798	1,264,458
Total	17,000	\$37,348,741	11,204,622	\$48,553,363
September	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	1,873	4,707,546	1,412,264	6,119,810
Bristol Bay	865	2,169,040	650,712	2,819,752
Bering Sea/Aleutians	2,701	7,014,672	2,104,447	9,119,268
Kenai	1,330	2,367,279	710,184	3,077,463
Kodiak	1,757	3,223,803	967,141	4,190,944
Prince William Sound	565	1,036,681	311,004	1,347,686
Southeast	2,587	5,573,934	1,672,180	7,246,114
Balance of State	168	375,648	112,694	488,342
Total	11,934	\$26,468,754	7,940,626	\$34,409,380

Chapter 2, Economic Impacts Statewide

Table 2-49

Shoreside Seafood Processing Employment Impacts during the Fourth Quarter, 1992 (by region, by month)

October	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	656	1,492,836	447,851	1,940,686
Bristol Bay	215	489,268	146,780	636,048
Bering Sea/Aleutians	2,910	6,622,183	1,986,655	8,608,838
Kenai	531	1,059,889	317,967	1,377,855
Kodiak	1,480	3,080,955	924,287	4,005,242
Prince William Sound	292	607,864	182,359	790,223
Southeast	1,426	2,689,595	806,879	3,496,474
Balance of State	18	40,248	12,074	52,322
Total	7,528	\$16,082,837	4,824,851	\$20,907,688
November	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	710	1,615,722	484,716	2,100,438
Bristol Bay	112	254,874	76,462	331,337
Bering Sea/Aleutians	3,160	7,191,099	2,157,330	9,348,428
Kenai	300	599,562	179,869	779,430
Kodiak	629	1,309,406	392,822	1,702,228
Prince William Sound	203	422,590	126,777	549,368
Southeast	591	1,114,692	334,408	1,449,100
Balance of State	0	0	0	0
Total	5,705	\$12,507,945	3,752,383	\$16,260,328
December	Monthly Employment	Monthly Payroll	Fringe Benefits, Etc., @ 30%	Monthly Total
Alaska Peninsula	714	1,624,824	487,447	2,112,271
Bristol Bay	88	200,258	60,078	260,336
Bering Sea/Aleutians	2,974	6,767,825	2,030,348	8,798,173
Kenai	332	497,357	149,207	646,564
Kodiak	823	1,713,261	513,978	2,227,239
Prince William Sound	210	437,163	131,149	568,311
Southeast	589	1,110,920	333,276	1,444,196
Balance of State	0	0	0	0
Total	5,730	\$12,351,608	3,705,482	\$16,057,091

Chapter 3

Review of Impacts in the Alaska Peninsula

3.1 Introduction

Tables 3-1 through 3-5 display the annual and quarterly economic impact of the shoreside seafood processing industry on the Alaska Peninsula during 1992. The total impact was \$526 million, of which \$210 million were direct expenditures. Of this amount, \$124 million was spent on purchases of fish and shellfish, \$67 million was spent on labor, \$9.5 million was spent on purchases of goods and services, \$10 million was spent on tax related items, and \$85,000 was contributed to charitable causes. Figure 3-1 shows the direct expenditures by quarter, while Figure 3-2 shows the direct expenditures from each category as a percent of the total.

On an annual basis, shoreside seafood processing companies spent \$0.92 in Alaska for every pound of fish and shellfish processed during 1992.

Figure 3-1

Distribution of Direct Expenditures by the Shoreside Processing Industry in the Alaska Peninsula during 1992

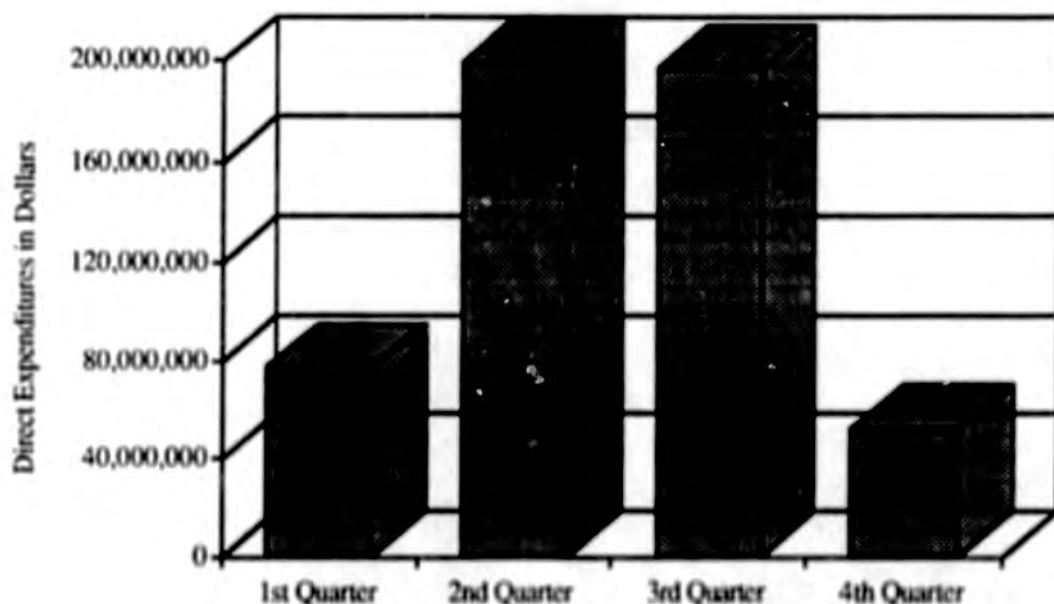
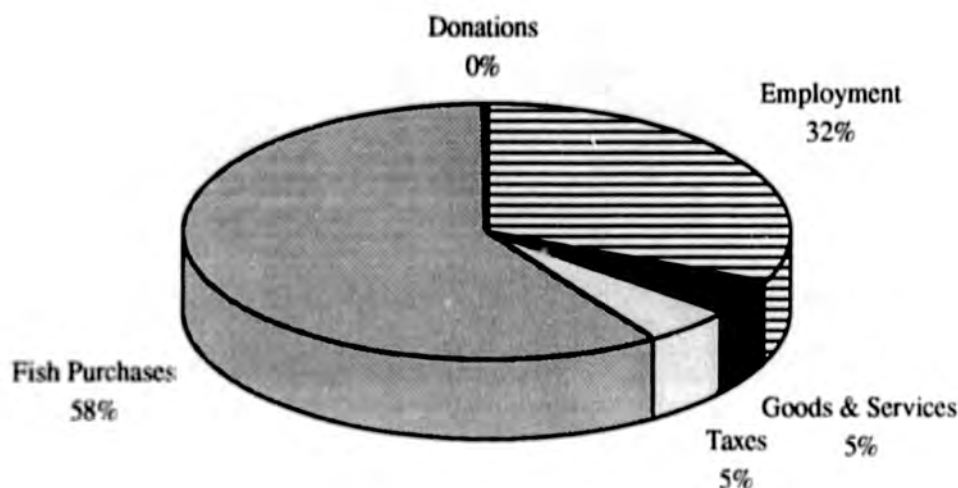


Figure 3-2
Percent Distribution of Expenditures by the Shoreside Processing Industry
in the Alaska Peninsula during 1992



3.2 Purchases of Fish and Shellfish

Table 3-6 shows the poundage of fish and shellfish purchased by quarter in the Alaska Peninsula during 1992; for ex-vessel expenditures by the shoreside processing industry by species and quarter during 1992, see the "Fish Purchases" categories of Tables 3-1 through 3-5 for detailed information. Figures 3-3 and 3-4 display the percentage distribution of fish and shellfish purchased by the shoreside processors during 1992 by major species group in pounds purchased and value respectively.

During 1992, 230 million pounds of fish and shellfish were purchased in the region. The dominant species consisted of Pacific cod (58 million pounds), sockeye salmon (48 million pounds), pink salmon (40 million pounds), pollock (30 million pounds), and chum salmon (13 million pounds). On a quarterly basis, 9% (43.5 million pounds) were processed in the first quarter, 43% (71 million pounds) were processed in the second quarter, 10% (70.5 million pounds) were processed in the third quarter, and 28% (44 million pounds) were processed in the fourth quarter.

In terms of ex-vessel values, sockeye salmon generated the greatest overall revenue (\$70 million). This was followed by Pacific cod (\$15 million), pink salmon (\$6 million), opilio Tanner crab (\$5 million), Red King (\$4.81 million), and bairdi (\$4.8 million).

Chapter 3, Economic Impacts in the Alaska Peninsula

Figure 3-3
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in the Alaska Peninsula during 1992
(in percent of total pounds)

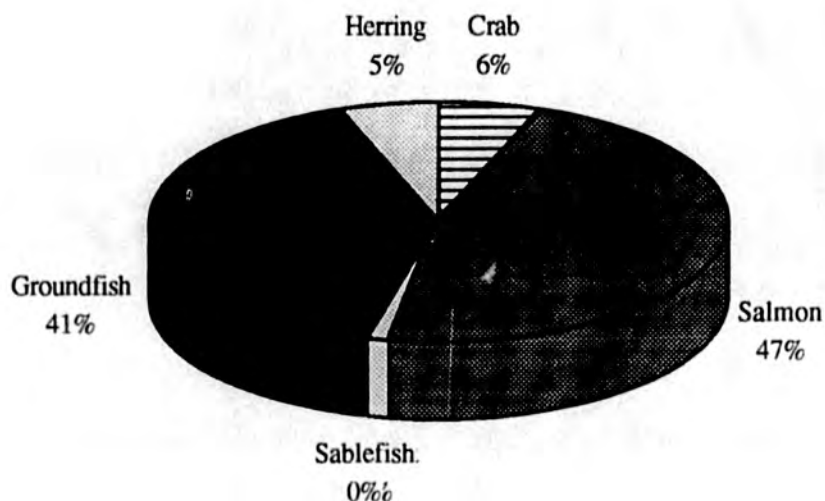
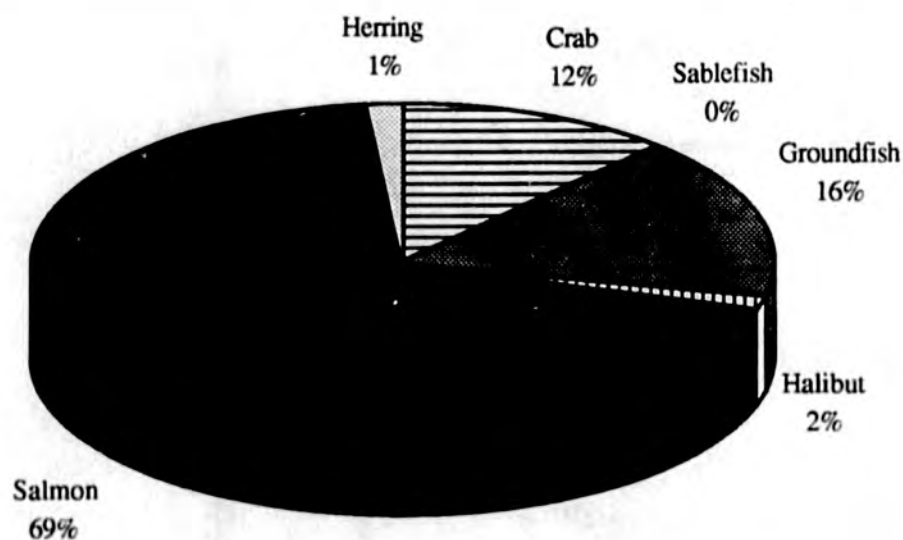


Figure 3-4
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in the Alaska Peninsula during 1992
(in percent of total value)



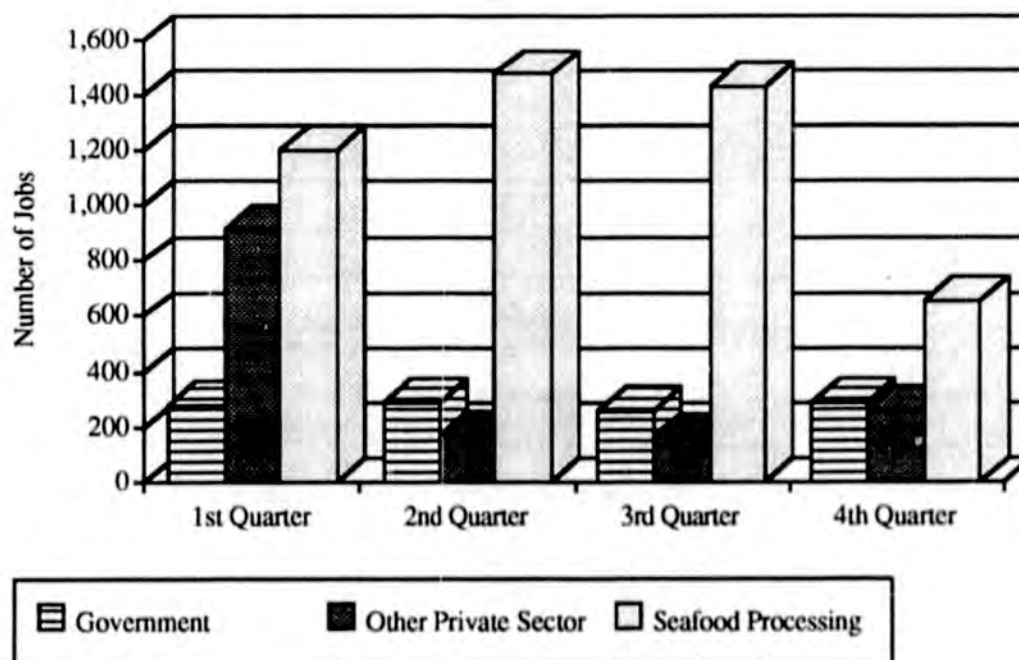
Chapter 3, Economic Impacts in the Alaska Peninsula

3.3 Employment

The average number of individuals employed on a monthly basis during 1992 was 1,800. Employment overall remained steady through the year; the lowest quarter was the fourth quarter when 693 individuals were employed, while the highest period was the third quarter when 2,502 individuals were employed. Total wages and benefits paid to employees during the year were \$61 million. Additionally, \$5.8 million was spent to transport employees to and from the various work sites within the region.

Seafood processing dominates employment opportunity in the Alaska Peninsula. During 1992, for example, 65% of total employment opportunity in the Aleutians East Borough consisted of seafood processing jobs. Figures 3-5 and 3-6 display the relative role of seafood processing employment to government and other private sector employment, by quarter, during 1992 in terms of number of jobs and percent of available employment.

Figure 3-5
Comparison of Government, Seafood Processing, & Other
Private Sector Employment in the Aleutians East Borough during 1992



3.4 Purchases of Goods and Services

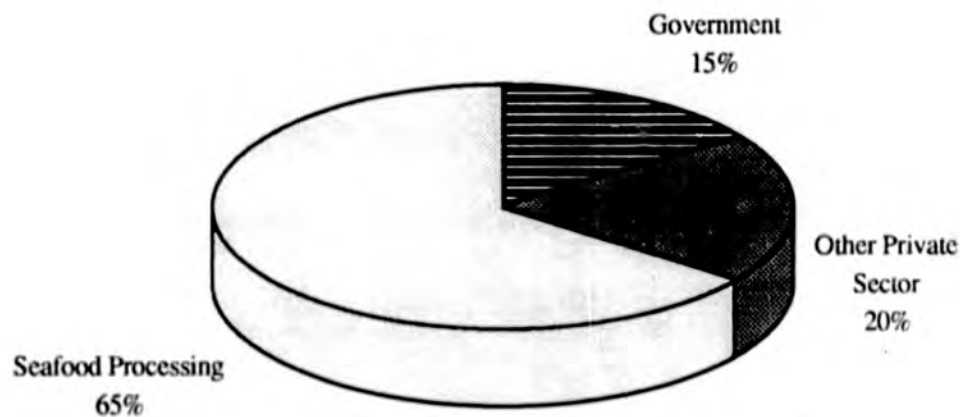
A total of \$9.6 million in goods and services were purchased by the shoreside seafood processing companies in the Alaska Peninsula during 1992. On a quarterly basis, the expenditures consisted of \$2.1 million (23%) for the first quarter, \$3.6 million (38%) for the second quarter, \$2.7 million (28%) for the third quarter, and \$1 million (11%) for the fourth quarter.

By category, the expenditures consisted of \$6 million for consumables, \$3.2 million for services, \$62,600 for electricity, \$48,000 for water, and \$126,000 for other purchases.

3.5 Taxes

Purchases of fish and shellfish in the Alaska Peninsula by the shoreside processing industry in 1992 generated \$9.9 million in state and local taxes. Of this amount, \$3 million was paid directly to local government.

Figure 3-6
Percentage Distribution of Government, Seafood Processing, & Other private Sector
Employment in the Aleutians East Borough during 1992



Chapter 3, Economic Impacts in the Alaska Peninsula

Table 3-1

Economic Impact of the Shoreside Processing Industry on the Alaska Peninsula during 1992

Employment	Peak Monthly Employment	2,502		
	Avg. number of employees/month	1,800		
	Total Processing Payroll	47,044,132		
	Fringe benefits, workers com., etc. (30% of gross)	14,113,240		
	Airfare	5,801,438		
	SUB-TOTAL	66,958,810	\$66,958,810	32%
Purchases	Consumables	6,081,250		
	Services	3,279,125		
	Electric	62,593		
	Water	47,833		
	Sewer	0		
	Other	126,116		
	SUB-TOTAL	9,596,916	\$9,596,916	5%
Taxes	State Raw Fish	6,813,633		
	Local Raw Fish Tax	3,097,483		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	9,911,115	\$9,911,115	5%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King	4,881,146		
	Brown/Blue King	0		
Grdfish	Bairdi	4,844,255		
	Opilio	5,286,508		
	Dungeness	0		
	Pollock	4,662,808		
	Pacific Cod	14,872,287		
	Solms	8,866		
Salmon	Flounders	414,586		
	Misc. Groundfish	145,019		
	Chinook	503,017		
	Sockeye	70,006,861		
	Coho	4,020,762		
Herring	Pink	6,288,747		
	Chum	3,788,520		
	Spawn On Kelp	0		
Other	Food/Bait	633,343		
	Sac Roe	1,178,390		
	Misc. Shellfish	0		
	Sablefish	372,891		
	Halibut	1,991,302		
	Shrimp	0		
	Other Species	0		
	SUB-TOTAL	123,899,306	\$123,899,306	59%
Donations	Scholarships & Other Donations	43,515		
	"Wynn" Brindle Scholarships	41,429		
	SUB-TOTAL	84,944	\$84,944	0%
TOTAL DIRECT EXPENDITURES			\$210,451,091	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.92	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$526,127,727	

Chapter 3, Economic Impacts in the Alaska Peninsula

Table 3-2

Economic Impact of the Shoreside Processing Industry on the Alaska Peninsula during the First Quarter, 1992

Employment	Avg. number of employees/month	1,682		Percent of Total
	Total Processing Payroll	10,522,329		
	Fringe benefits, workers com., etc. (30% of gross)	3,156,699		
	Airfare	2,482,159		
	SUB-TOTAL	16,161,186	\$16,161,186	52%
Purchases	Consumables	1,247,875		
	Services	900,906		
	Electric	9,894		
	Water	8,400		
	Sewer	0		
	Other	32,214		
	SUB-TOTAL	2,199,289	\$2,199,289	7%
Taxes	State Raw Fish	638,541		
	Local Raw Fish Tax	290,281		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	928,822	\$928,822	3%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$5.11/lb.)	0		
	Brown/Blue King (\$0.00/lb.)	0		
	Bairdi (\$1.704/lb.)	203,943		
	Opilio (\$0.521/lb.)	4,260,397		
	Dungeness (\$0.00/lb.)	0		
Grdfish	Pollock (\$0.154/lb.)	2,797,685		
	Pacific Cod (\$0.255/lb.)	4,312,963		
	Soles (\$0.105/lb.)	0		
	Flounders (\$0.105/lb.)	0		
	Misc. Groundfish (\$0.299/lb.)	36,255		
Salmon	Chinook (\$1.028/lb.)	0		
	Sockeye (\$1.461/lb.)	0		
	Coho (\$0.602/lb.)	0		
	Pink (\$0.157/lb.)	0		
	Chum (\$0.298/lb.)	0		
Herring	Spawn On Kelp (0.00/lb.)	0		
	Food/Bait (\$0.113/lb.)	0		
	Sac Roe (\$0.177/lb.)	0		
Other	Misc. Shellfish (\$0.00/lb.)	0		
	Sablefish (\$1.008/lb.)	0		
	Halibut (\$0.926/lb.)	0		
	Shrimp (\$0.00/lb.)	0		
	Other Species (\$0.00/lb.)	0		
	SUB-TOTAL	11,611,243	\$11,611,243	38%
Donations	Scholarships & Other Donations	10,879		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	21,236	\$21,236	0%
	TOTAL DIRECT EXPENDITURES		\$30,921,776	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.71	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$77,304,440	

Chapter 3, Economic Impacts in the Alaska Peninsula

Table 3-3

Economic Impact of the Shoreside Processing Industry on the Alaska Peninsula during the Second Quarter, 1992

Employment	Avg. number of employees/month	2,324		Percent of Total
	Total Processing Payroll	12,925,563		
	Fringe benefits, workers com., etc. (30% of gross)	3,877,669		
	Airfare	2,327,760		
	SUB-TOTAL	19,130,992	\$19,130,992	24%
Purchases	Consumables	2,346,000		
	Services	1,167,781		
	Electric	15,951		
	Water	28,007		
	Sewer	0		
	Other	59,535		
	SUB-TOTAL	3,617,274	\$3,617,274	5%
Taxes	State Raw Fish	2,903,421		
	Local Raw Fish Tax	1,319,898		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	4,223,319	\$4,223,319	5%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$5.119/lb.)	0		
	Brown/Blue King (\$0.00/lb.)	0		
	Bairdi (\$1.704/lb.)	0		
	Opilio (\$0.521/lb.)	1,026,111		
	Dungeness (\$0.00/lb.)	0		
Grdfish	Pollock (\$0.154/lb.)	932,562		
	Pacific Cod (\$0.255/lb.)	1,041,060		
	Soles (\$0.105/lb.)	8,866		
	Flounders (\$0.105/lb.)	414,586		
	Misc. Groundfish (\$0.299/lb.)	36,255		
Salmon	Chinook (\$1.028/lb.)	326,961		
	Sockeye (\$1.461/lb.)	42,004,117		
	Coho (\$0.602/lb.)	804,152		
	Pink (\$0.157/lb.)	628,875		
	Chum (\$0.298/lb.)	1,894,260		
Herring	Spawn On Kelp (0.00/lb.)	0		
	Food/Bait (\$0.113/lb.)	633,343		
	Sac Roe (\$0.177/lb.)	1,178,390		
Other	Misc. Shellfish (\$0.00/lb.)	0		
	Sablefish (\$1.008/lb.)	372,891		
	Halibut (\$0.926/lb.)	1,493,476		
	Shrimp (\$0.00/lb.)	0		
	Other Species (\$0.00/lb.)	0		
	SUB-TOTAL	52,795,904	\$52,795,904	66%
Donations	Scholarships & Other Donations	10,879		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	21,236	\$21,236	0%
	TOTAL DIRECT EXPENDITURES		\$79,788,725	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$1.12	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$199,471,812	

Chapter 3, Economic Impacts in the Alaska Peninsula

Table 3-4

Economic Impact of the Shoreside Processing Industry on the Alaska Peninsula during the Third Quarter, 1992

Employment	Avg. number of employees/month	2,502		
	Total Processing Payroll	18,862,859		
	Fringe benefits, workers com., etc. (30% of gross)	5,658,858		
	Airfare	360,186		
	SUB-TOTAL	24,881,902	\$24,881,902	32%
Purchases	Consumables	1,917,688		
	Services	756,594		
	Electric	17,465		
	Water	3,115		
	Sewer	0		
	Other	15,308		
	SUB-TOTAL	2,710,170	\$2,710,170	3%
Taxes	State Raw Fish	2,609,198		
	Local Raw Fish Tax	1,186,143		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	3,795,341	\$3,795,341	5%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$5.119/lb.)	4,755,700		
	Brown/Blue King (\$0.00/lb.)	0		
	Bairdi (\$1.704/lb.)	3,206,412		
	Opilio (\$0.521/lb.)	0		
Grdfish	Dungeness (\$0.00/lb.)	0		
	Pollock (\$0.154/lb.)	0		
	Pacific Cod (\$0.255/lb.)	0		
	Solles (\$0.105/lb.)	0		
	Flounders (\$0.105/lb.)	0		
	Misc. Groundfish (\$0.299/lb.)	36,255		
Salmon	Chinook (\$1.028/lb.)	176,056		
	Sockeye (\$1.461/lb.)	28,002,744		
	Coho (\$0.602/lb.)	3,216,609		
	Pink (\$0.157/lb.)	5,659,872		
	Chum (\$0.298/lb.)	1,894,260		
Herring	Spawn On Kelp (0.00/lb.)	0		
	Food/Bait (\$0.113/lb.)	0		
	Sac Roe (\$0.177/lb.)	0		
Other	Misc. Shellfish (\$0.00/lb.)	0		
	Sablefish (\$1.008/lb.)	0		
	Halibut (\$0.926/lb.)	497,825		
	Shrimp (\$0.00/lb.)	0		
	Other Species (\$0.00/lb.)	0		
	SUB-TOTAL	47,445,734	\$47,445,734	60%
Donations	Scholarships & Other Donations	10,879		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	21,236	\$21,236	0%
TOTAL DIRECT EXPENDITURES			\$78,854,383	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$1.12	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$187,135,957	

Chapter 3, Economic Impacts in the Alaska Peninsula

Table 3-5

Economic Impact of the Shoreside Processing Industry on the Alaska Peninsula during the Fourth Quarter, 1992

Employment	Avg. number of employees/month	693			
	Total Processing Payroll	4,733,381			
	Fringe benefits, workers com., etc. (30% of gross)	1,420,014			
	Airfare	631,333			
	SUB-TOTAL	6,784,729	\$6,784,729	32%	
Purchases	Consumables	569,688			
	Services	453,844			
	Electric	19,282			
	Water	8,311			
	Sewer	0			
	Other	19,058			
	SUB-TOTAL	1,070,183	\$1,070,183	5%	
Taxes	State Raw Fish	662,473			
	Local Raw Fish Tax	301,161			
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	963,633	\$963,633	5%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$5.119/lb.)	125,445			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$1.704/lb.)	1,433,900			
	Opilio (\$0.521/lb.)	0			
	Dungeness (\$0.00/lb.)	0			
Grdfish	Pollock (\$0.154/lb.)	932,562			
	Pacific Cod (\$0.255/lb.)	9,518,263			
	Solms (\$0.105/lb.)	0			
	Flounders (\$0.105/lb.)	0			
	Misc. Groundfish (\$0.298/lb.)	36,255			
Salmon	Chinook (\$1.028/lb.)	0			
	Sockeye (\$1.461/lb.)	0			
	Coho (\$0.602/lb.)	0			
	Pink (\$0.157/lb.)	0			
	Chum (\$0.298/lb.)	0			
Herring	Spawn On Kelp (0.00/lb.)	0			
	Food/Bait (\$0.113/lb.)	0			
	Sac Roe (\$0.177/lb.)	0			
Other	Misc. Shellfish (\$0.00/lb.)	0			
	Sablefish (\$1.008/lb.)	0			
	Halibut (\$0.926/lb.)	0			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.00/lb.)	0			
	SUB-TOTAL	12,046,425	\$12,046,425	58%	
Donations	Scholarships & Other Donations	10,879			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	21,236	\$21,236	0%	
	TOTAL DIRECT EXPENDITURES		\$20,886,207	100%	
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.47		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$32,215,518		

Table 3-6

**1992 Purchases of Fish and Shellfish in the Alaska Peninsula
by the Shoreside Processing Industry (by quarter, in pounds)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Red King Crab	0	0	929,029	24,506	953,535
Brown/Blue King Crab	0	0	0	0	0
Bairdi Tanner Crab	119,703	0	1,881,697	841,617	2,843,018
Opilio Tanner Crab	8,179,311	1,969,977	0	0	10,149,288
Dungeness Crab	0	0	0	0	0
Pollock	18,166,786	6,055,595	0	6,055,595	30,277,976
Pacific Cod	16,913,581	4,082,589	0	37,326,524	58,322,693
Sole	0	84,436	0	0	84,436
Flounders	0	3,948,439	0	0	3,948,439
Misc. Groundfish	121,253	121,253	121,253	121,253	485,012
Chinook Salmon	0	318,055	171,261	0	489,316
Sockeye Salmon	0	28,750,251	19,166,834	0	47,917,085
Coho Salmon	0	1,335,801	5,343,205	0	6,679,006
Pink Salmon	0	4,005,571	36,050,140	0	40,055,711
Chum Salmon	0	6,356,577	6,356,577	0	12,713,153
Herring Spawn-on-Kelp	0	0	0	0	0
Herring Food & Bait	0	5,604,804	0	0	5,604,804
Herring Sac Roe	0	6,657,570	0	0	6,657,570
Misc. Shellfish	0	0	0	0	0
Sablefish	0	369,932	0	0	369,932
Halibut	0	1,612,826	537,609	0	2,150,434
Shrimp	0	0	0	0	0
Other Species	0	0	0	0	0
Total	43,500,634	71,273,675	70,557,604	44,369,495	229,701,408

Chapter 4

Review of Impacts in Bristol Bay

4.1 Introduction

Tables 4-1 through 4-5 display the annual and quarterly economic impact of the shoreside seafood processing industry in Bristol Bay during 1992. The total impact was \$708 million, of which \$283 million were direct expenditures. Of this amount, \$221 million was spent on purchases of fish and shellfish, \$42.6 million was spent on labor, \$5.2 million was spent on purchases of goods and services, \$14.8 million was spent on tax related items, and \$80,000 was contributed to charitable causes. Figure 4-1 shows the direct expenditures by quarter, while Figure 4-2 shows the direct expenditures from each category as a percent of the total.

On an annual basis, shoreside seafood processing companies spent \$1.15 in Alaska for every pound of fish and shellfish processed during 1992.

Figure 4-1

Distribution of Direct Expenditures by the Shoreside Processing Industry
in Bristol Bay during 1992

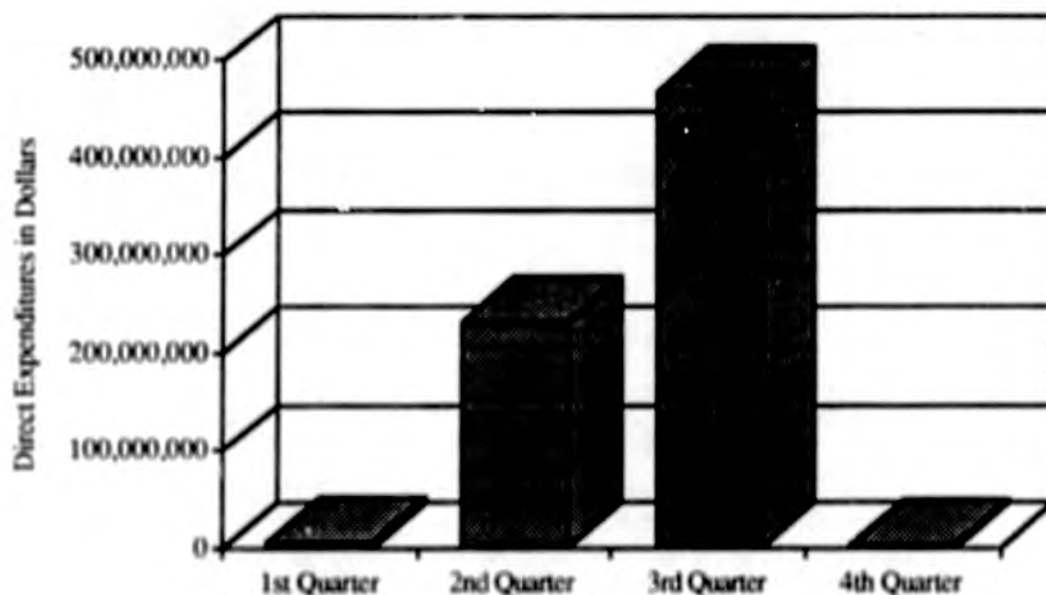
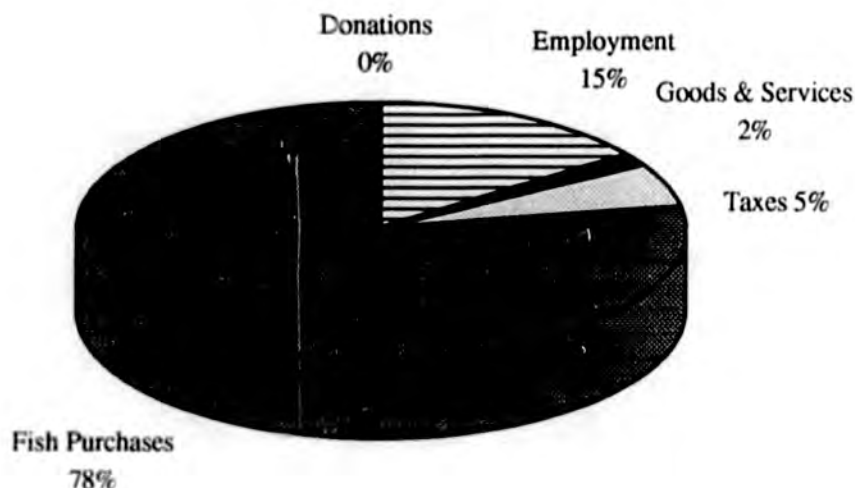


Figure 4-2
Percent Distribution of Expenditures by the Shoreside Processing Industry
in Bristol Bay during 1992



4.2 Purchases of Fish and Shellfish

Table 4-6 shows the poundage of fish and shellfish purchased by quarter in the Alaska Peninsula during 1992; for ex-vessel expenditures by the shoreside processing industry by species and quarter during 1992, see the "Fish Purchases" categories of Tables 4-1 through 5-5 for detailed information. Figures 4-3 and 4-4 display the percentage distribution of fish and shellfish purchased by the shoreside processing industry during 1992 by major species group in pounds purchased and value respectively.

During 1992, 247 million pounds of fish and shellfish were purchased in the region. The dominant species consisted of sockeye salmon (185 million pounds), followed by herring (52 million pounds). Harvests of other species were inconsequential. On a quarterly basis, 44% was processed in the second quarter, and 56% was processed in the second quarter.

In terms of ex-vessel values, sockeye salmon generated the greatest overall revenue (\$208 million, or 94% of the total). This was followed by sac roe herring (\$9.3 million). The remainder of the purchases were minimal.

Figure 4-3
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in Bristol Bay during 1992
(in percent of total pounds)

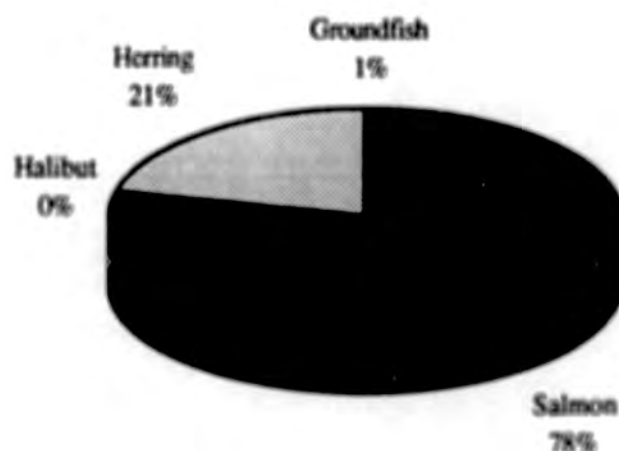
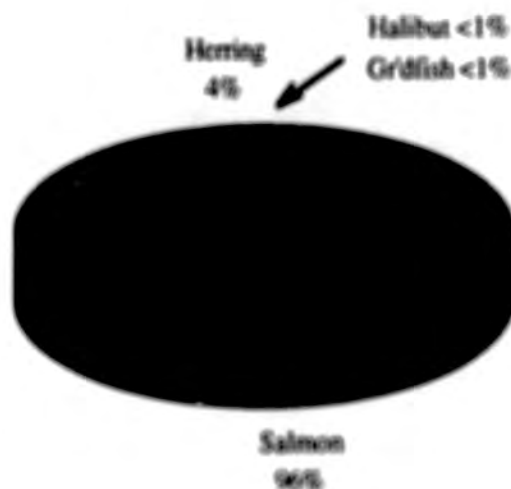


Figure 4-4
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in Bristol Bay during 1992
(in percent of total value)



4.3 Employment

The average number of individuals employed on a monthly basis during 1992 was 1,138. This figure is not representative of actual employment opportunity since there is little or no

Chapter 4, Economic Impacts in Bristol Bay

employment available during the late fall and winter months. Total wages and benefits paid to employees during the year were \$40 million. Additionally, \$2.4 million was spent to transport employees to and from the various work sites within the region.

4.4 Purchases of Goods and Services

A total of \$5.2 million in goods and services were purchased by the shoreside seafood processing companies in Bristol Bay during 1992. On a quarterly basis, the expenditures consisted of \$702,000 (13%) for the first quarter, \$2.1 million (41%) for the second quarter, \$2.3 million (44%) for the third quarter, and \$120,000 (2%) for the fourth quarter.

By category, the expenditures consisted of \$2 million for consumables, \$2.1 million for services, \$750,000 for electricity, \$32,000 for water, \$7,000 for sewer, and \$238,000 for other purchases.

4.5 Taxes

State and local fish taxes of approximately \$14.8 million were paid during 1992. Of this amount, \$5.5 million was paid directly to local municipalities.

Chapter 4, Economic Impacts in Bristol Bay

Table 4-1

Economic Impact of the Shoreside Processing Industry in Bristol Bay during 1992

Employment	Peak Monthly Employment	2,685		
	Avg. number of employees/month	1,138		
	Total Processing Payroll	30,960,990		
	Fringe benefits, workers com., etc. (30% of gross)	9,288,297		
	Airfare	2,386,522		
	SUB-TOTAL	42,635,809	\$42,635,809	15%
Purchases	Consumables	2,007,414		
	Services	2,170,824		
	Electric	751,991		
	Water	31,836		
	Sewer	7,118		
	Other	237,684		
	SUB-TOTAL	5,206,866	\$5,206,866	2%
Taxes	State Raw Fish	9,284,523		
	Local Raw Fish Tax	5,514,977		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	14,799,500	\$14,799,500	5%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King	0		
	Brown/Blue King	0		
	Baird	0		
	Opilio	0		
	Dungeness	0		
	Pollock	0		
	Pacific Cod	453,671		
	Sole	0		
	Flounders	0		
	Misc. Groundfish	0		
Salmon	Chinook	1,072,344		
	Sockeye	207,813,235		
	Coho	785,423		
	Pink	251,537		
	Chum	840,130		
Herring	Spawn On Kelp	253,743		
	Feed/Bait	25,724		
Other	Sac Roe	9,055,061		
	Misc. Shellfish	0		
	Sablefish	0		
	Halibut	48,200		
	Shrimp	0		
	Other Species	0		
	SUB-TOTAL	220,599,070	\$220,599,070	78%
Donations	Scholarships & Other Donations	38,070		
	"Wynn" Brinde Scholarships	41,429		
	SUB-TOTAL	79,499	\$79,499	0%
	TOTAL DIRECT EXPENDITURES		\$283,320,743	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$1.15	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$708,301,858	

Chapter 4, Economic Impacts in Bristol Bay

Table 4-2

Economic Impact of the Shoreside Processing Industry in Bristol Bay during the First Quarter, 1992

Employment	Avg. number of employees/month	212		
	Total Processing Payroll	1,328,587		Percent of Total
	Fringe benefits, workers com., etc. (30% of gross)	398,576		
	Airfare	11,855		
	SUB-TOTAL	1,739,019	\$1,739,019	71%
Purchases	Consumables	105,330		
	Services	480,455		
	Electric	100,941		
	Water	3,881		
	Sewer	462		
	Other	10,597		
	SUB-TOTAL	701,665	\$701,665	29%
Taxes	State Raw Fish	0		
	Local Raw Fish Tax	0		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	0	\$0	0%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$0.00/lb.)	0		
	Brown/Blue King (\$0.00/lb.)	0		
	Bairdi (\$0.00/lb.)	0		
	Opilio (\$0.00/lb.)	0		
	Dungeness (\$0.00/lb.)	0		
Grdfish	Pollock (\$0.00/lb.)	0		
	Pacific Cod (\$0.232/lb.)	0		
	Soles (\$0.00/lb.)	0		
	Flounders (\$0.00/lb.)	0		
	Misc. Groundfish (\$0.00/lb.)	0		
Salmon	Chinook (\$0.933/lb.)	0		
	Sockeye (\$1.122/lb.)	0		
	Coho (\$0.585/lb.)	0		
	Pink (\$0.139/lb.)	0		
	Chum (\$0.266/lb.)	0		
Herring	Spawn On Kelp (0.698/lb.)	0		
	Food/Bait (\$0.025/lb.)	0		
	Sac Roe (\$0.179/lb.)	0		
Other	Misc. Shellfish (\$0.00/lb.)	0		
	Sablefish (\$0.00/lb.)	0		
	Halibut (\$1.162/lb.)	0		
	Shrimp (\$0.00/lb.)	0		
	Other Species (\$0.00/lb.)	0		
	SUB-TOTAL	0	\$0	0%
Donations	Scholarships & Other Donations	9,518		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	19,875	\$19,875	1%
	TOTAL DIRECT EXPENDITURES		\$2,460,559	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		N/A	
TOTAL ECONOMIC IMPACT (\$1.90 generated for every \$1 spent directly)			\$8,151,397	

Chapter 4, Economic Impacts in Bristol Bay

Table 4-3

Economic Impact of the Shoreside Processing Industry in Bristol Bay during the Second Quarter, 1992

Employment	Avg. number of employees/month	1,517		Percent
	Total Processing Payroll	8,440,276		of Total
	Fringe benefits, workers com., etc. (30% of gross)	2,532,083		
	Airfare	1,443,822		
	SUB-TOTAL	12,416,181	\$12,416,181	13%
Purchases	Consumables	672,192		
	Services	1,121,860		
	Electric	241,081		
	Water	14,380		
	Sewer	4,281		
	Other	60,478		
	SUB-TOTAL	2,114,271	\$2,114,271	2%
Taxes	State Raw Fish	3,065,345		
	Local Raw Fish Tax	1,820,805		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	4,886,150	\$4,886,150	5%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$0.00/lb.)	0		
	Brown/Blue King (\$0.00/lb.)	0		
	Bairdi (\$0.00/lb.)	0		
	Opilio (\$0.00/lb.)	0		
Grdfish	Dungeness (\$0.00/lb.)	0		
	Pollock (\$0.00/lb.)	0		
	Pacific Cod (\$0.232/lb.)	0		
	Soles (\$0.00/lb.)	0		
Salmon	Flounders (\$0.00/lb.)	0		
	Misc. Groundfish (\$0.00/lb.)	0		
	Chinook (\$0.933/lb.)	857,878		
	Sockeye (\$1.122/lb.)	62,343,971		
Herring	Coho (\$0.585/lb.)	78,542		
	Pink (\$0.139/lb.)	25,154		
	Chum (\$0.268/lb.)	188,026		
	Spawn On Kelp (0.898/lb.)	253,743		
Other	Food/Bait (\$0.025/lb.)	25,724		
	Sac Roe (\$0.179/lb.)	9,055,061		
	Misc. Shellfish (\$0.00/lb.)	0		
	Sablefish (\$0.00/lb.)	0		
	Halibut (\$1.162/lb.)	24,100		
	Shrimp (\$0.00/lb.)	0		
	Other Species (\$0.00/lb.)	0		
	SUB-TOTAL	72,832,197	\$72,832,197	79%
Donations	Scholarships & Other Donations	9,518		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	19,875	\$19,875	0%
TOTAL DIRECT EXPENDITURES			\$92,268,673	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.84	
TOTAL ECONOMIC IMPACT (\$1.52 generated for every \$1 spent directly)			\$239,671,682	

Table 4-4

Economic Impact of the Shoreside Processing Industry
in Bristol Bay during the Third Quarter, 1992

Employment	Avg. number of employees/month	2,685			
	Total Processing Payroll	20,247,727			
	Fringe benefits, workers com., etc. (30% of gross)	6,074,318			
	Airfare	930,844			
	SUB-TOTAL	27,252,888	\$27,252,888	15%	
Purchases	Consumables	1,186,361			
	Services	561,608			
	Electric	345,285			
	Water	13,263			
	Sewer	2,375			
	Other	161,613			
	SUB-TOTAL	2,270,506	\$2,270,506	1%	
Taxes	State Raw Fish	6,219,178			
	Local Raw Fish Tax	3,694,172			
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	9,913,350	\$9,913,350	5%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$0.00/lb.)	0			
	Opilio (\$0.00/lb.)	0			
	Dungeness (\$0.00/lb.)	0			
Grdfish	Pollock (\$0.00/lb.)	0			
	Pacific Cod (\$0.232/lb.)	453,671			
	Soles (\$0.00/lb.)	0			
	Flounders (\$0.00/lb.)	0			
	Misc. Groundfish (\$0.00/lb.)	0			
Salmon	Chinook (\$0.933/lb.)	214,469			
	Sockeye (\$1.122/lb.)	145,469,265			
	Coho (\$0.585/lb.)	706,880			
	Pink (\$0.139/lb.)	226,384			
	Chum (\$0.286/lb.)	672,104			
Herring	Spawn On Kelp (0.898/lb.)	0			
	Food/Bait (\$0.025/lb.)	0			
	Sac Roe (\$0.179/lb.)	0			
Other	Misc. Shellfish (\$0.00/lb.)	0			
	Sablefish (\$0.00/lb.)	0			
	Halibut (\$1.162/lb.)	24,100			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.00/lb.)	0			
	SUB-TOTAL	147,766,873	\$147,766,873	79%	
Donations	Scholarships & Other Donations	9,518			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	19,875	\$19,875	0%	
TOTAL DIRECT EXPENDITURES			\$187,223,492	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$1.36		
TOTAL ECONOMIC IMPACT (\$1.36 generated for every \$1 spent directly)			\$468,098,728		

Chapter 4, Economic Impacts in Bristol Bay

Table 4-5

Economic Impact of the Shoreside Processing Industry in Bristol Bay during the Fourth Quarter, 1992

Employment	Avg. number of employees/month	138		Percent of Total
	Total Processing Payroll	944,401		
	Fringe benefits, workers com., etc. (30% of gross)	283,320		
	Airfare	0		
	SUB-TOTAL	1,227,721	\$1,227,721	90%
Purchases	Consumables	43,531		
	Services	6,901		
	Electric	64,684		
	Water	313		
	Sewer	0		
	Other	4,996		
	SUB-TOTAL	120,424	\$120,424	9%
Taxes	State Raw Fish	0		
	Local Raw Fish Tax	0		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	0	\$0	0%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$0.00/lb.)	0		
	Brown/Blue King (\$0.00/lb.)	0		
	Bairdi (\$0.00/lb.)	0		
	Opilio (\$0.00/lb.)	0		
	Dungeness (\$0.00/lb.)	0		
Grdfish	Pollock (\$0.00/lb.)	0		
	Pacific Cod (\$0.232/lb.)	0		
	Soles (\$0.00/lb.)	0		
	Flounders (\$0.00/lb.)	0		
	Misc. Groundfish (\$0.00/lb.)	0		
Salmon	Chinook (\$0.933/lb.)	0		
	Sockeye (\$1.122/lb.)	0		
	Coho (\$0.585/lb.)	0		
	Pink (\$0.139/lb.)	0		
	Chum (\$0.266/lb.)	0		
Herring	Spawn On Kelp (0.698/lb.)	0		
	Food/Bait (\$0.025/lb.)	0		
	Sac Roe (\$0.179/lb.)	0		
Other	Misc. Shellfish (\$0.00/lb.)	0		
	Sablefish (\$0.00/lb.)	0		
	Halibut (\$1.162/lb.)	0		
	Shrimp (\$0.00/lb.)	0		
	Other Species (\$0.00/lb.)	0		
	SUB-TOTAL	0	\$0	0%
Donations	Scholarships & Other Donations	9,518		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	19,875	\$19,875	1%
	TOTAL DIRECT EXPENDITURES		\$1,368,020	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		N/A	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$3,420,049	

Table 4-6

1992 Purchases of Fish and Shellfish in Bristol Bay
by the Shoreside Processing Industry (by quarter, in pounds)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Red King Crab	0	0	0	0	0
Brown/Blue King Crab	0	0	0	0	0
Bairdi Tanner Crab	0	0	0	0	0
Opilio Tanner Crab	0	0	0	0	0
Dungeness Crab	0	0	0	0	0
Pollock	0	0	0	0	0
Pacific Cod	0	0	1,955,480	0	1,955,480
Sole	0	0	0	0	0
Flounders	0	0	0	0	0
Misc. Groundfish	0	0	0	0	0
Chinook Salmon	0	919,481	229,870	0	1,149,351
Sockeye Salmon	0	55,565,036	129,651,751	0	185,216,787
Coho Salmon	0	134,260	1,208,343	0	1,342,603
Pink Salmon	0	180,962	1,628,659	0	1,809,621
Chum Salmon	0	631,677	2,526,708	0	3,158,385
Herring Spawn-on-Kelp	0	363,529	0	0	363,529
Herring Food & Bait	0	1,028,963	0	0	1,028,963
Herring Sac Roe	0	50,586,934	0	0	50,586,934
Misc. Shellfish	0	0	0	0	0
Sablefish	0	0	0	0	0
Halibut	0	20,740	20,740	0	41,480
Shrimp	0	0	0	0	0
Other Species	0	0	0	0	0
Total	0	109,431,582	137,221,551	0	246,653,133

Chapter 5

Economic Impacts in the Aleutians/Bering Sea Region

5.1 Introduction

Tables 5-1 through 5-5 display the annual and quarterly economic impact of the shoreside seafood processing industry in the Aleutians/Bering Sea region during 1992. This region consists of Unalaska/Dutch Harbor, Akutan, the Aleutians West area, and the Pribilof Islands. The total impact was \$960 million, of which \$384 million were direct expenditures. Of this amount, \$216 million was spent on purchases of fish and shellfish, \$126 million was spent on labor, \$28.6 million was spent on purchases of goods and services, \$13.3 million was spent on tax related items, and \$838,000 was contributed to charitable causes. Figure 5-1 shows the direct expenditures by quarter, while Figure 5-2 shows the direct expenditures from each category as a percent of the total.

On an annual basis, shoreside seafood processing companies spent \$0.40 in Alaska for every pound of fish and shellfish processed during 1992.

Figure 5-1

Distribution of Direct Expenditures by the Shoreside Processing Industry in the Bering Sea/Aleutians Region during 1992

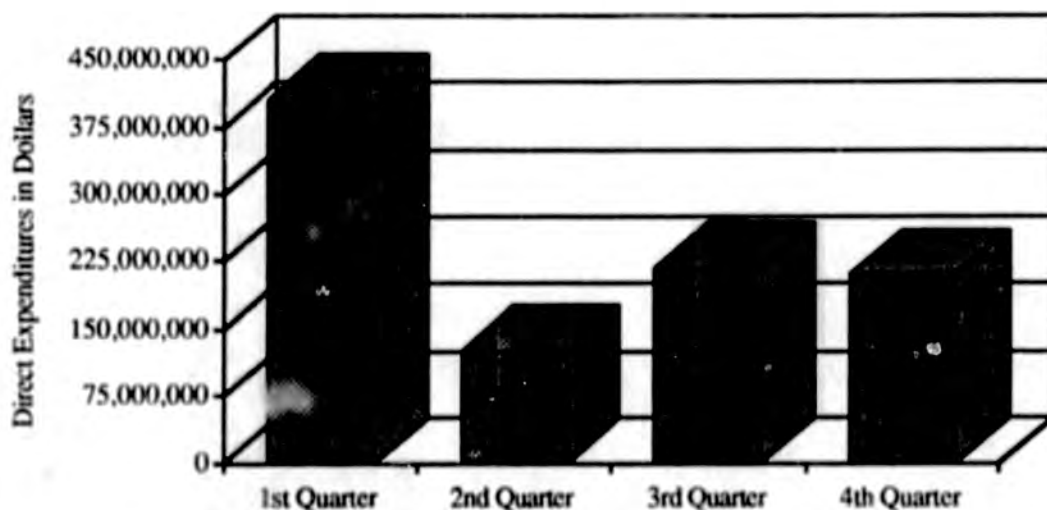
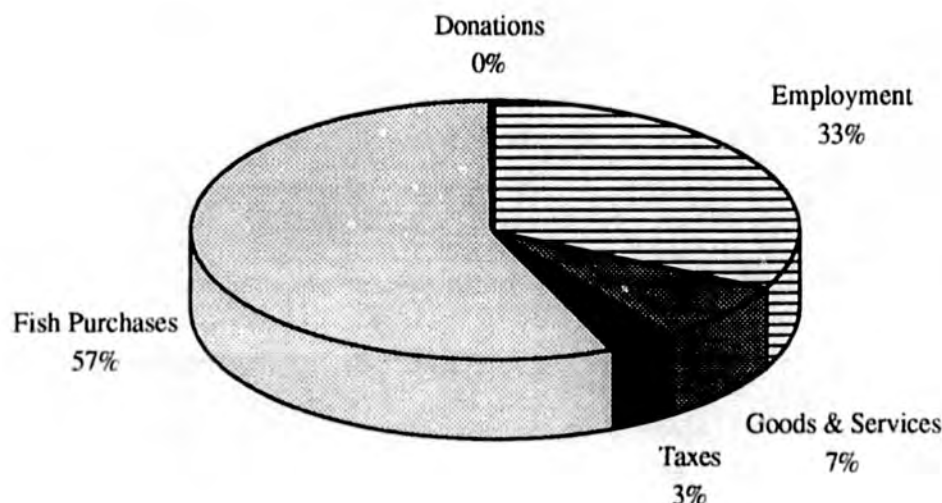


Figure 5-2
Percent Distribution of Expenditures by the Shoreside Processing Industry
in the Bering Sea/Aleutians Region during 1992



5.2 Purchases of Fish and Shellfish

Table 5-6 shows the poundage of fish and shellfish purchased by quarter in the Aleutian region during 1992; for ex-vessel expenditures by the shoreside processing industry by species and quarter during 1992, see the "Fish Purchases" categories of Tables 5-1 through 5-5 for detailed information. Figures 5-3 and 5-4 display the percentage distribution of fish and shellfish purchased by the shoreside processors during 1992 by major species group in pounds purchased and value respectively.

During 1992, 968 million pounds of fish and shellfish were purchased in the region. The dominant species consisted of pollock (796 million pounds), opilio Tanner crab (72 million pounds), and Pacific cod (48.4 million pounds). On a quarterly basis, 56% (541 million pounds) were processed in the first quarter, 4% (36 million pounds) were processed in the second quarter, 38% (368 million pounds) were processed in the third quarter, and 2% (23 million pounds) were processed in the fourth quarter.

In terms of ex-vessel values, pollock generated the greatest overall revenue (\$99 million), followed by opilio Tanner crab (\$37.5 million). Shellfish combined amounted to \$96 million in purchases, as compared to groundfish purchases of \$114 million.

Chapter 5, Economic Impacts in the Bering Sea/Aleutians

Figure 5-3

**Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in the Bering Sea/Aleutians Region during 1992
(in percent of total pounds)**

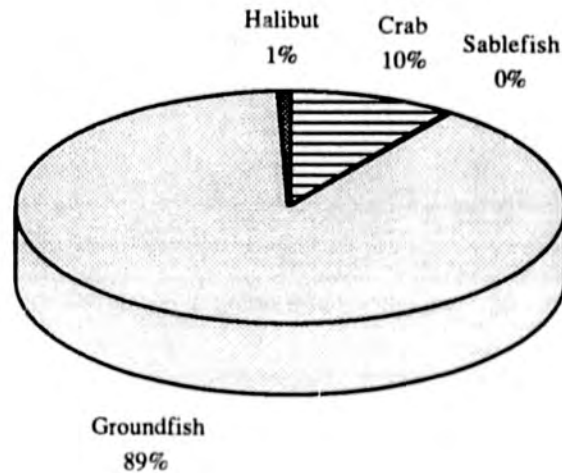
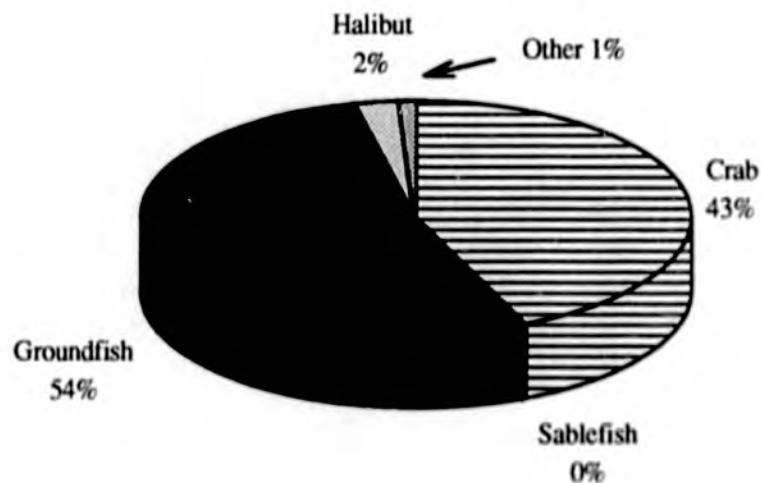


Figure 5-4

**Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in the Bering Sea/Aleutians Region during 1992
(in percent of total value)**



Chapter 5, Economic Impacts in the Bering Sea/Aleutians

5.3 Employment

The average number of individuals employed on a monthly basis during 1992 was 3,473. Employment overall fluctuates slightly through the year; the lowest quarter was the fourth quarter when 2,384 individuals were employed on the average month, while the highest quarter was the first quarter when approximately 5,000 individuals were employed during the average month. Total wages and benefits paid to employees during the year were \$116 million. Additionally, \$9.5 million was spent to transport employees to and from the various work sites within the region.

5.4 Purchases of Goods and Services

A total of \$28.6 million in goods and services were purchased by the shoreside seafood processing companies in the Unalaska/Akutan/Aleutians West region during 1992. On a quarterly basis, the expenditures consisted of \$6.7 million (24%) for the first quarter, \$7.5 million (26%) for the second quarter, \$7.6 million (27%) for the third quarter, and \$6.7 million (24%) for the fourth quarter.

By category, the expenditures consisted of \$14.6 million for consumables, \$12.1 million for services, \$73,600 for electricity, \$1.3 million for water, \$66,000 for sewer, and \$345,000 for other purchases.

5.5 Taxes

During 1992, the shoreside processing companies paid \$13.3 million in state and local fish taxes. Of that amount, \$4.7 million was paid directly to local municipalities.

Chapter 5, Economic Impacts in the Bering Sea/Aleutians

Table 5-1

Economic Impact of the Shoreside Processing Industry on the Bering Sea/Aleutian Islands Region during 1992

Employment	Peak Monthly Employment	5,066		
	Avg. number of employees/month	3,473		
	Total Processing Payroll	89,320,882		
	Fringe benefits, workers com., etc. (30% of gross)	26,796,265		
	Airfare	9,539,015		
	SUB-TOTAL	125,656,162	\$125,656,162	33%
Purchases	Consumables	14,605,011		
	Services	12,143,686		
	Electric	73,618		
	Water	1,350,526		
	Sewer	65,816		
	Other	344,878		
	SUB-TOTAL	28,583,534	\$28,583,534	7%
Taxes	State Raw Fish	8,523,704		
	Local Raw Fish Tax	4,742,161		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	13,265,865	\$13,265,865	3%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King	17,250,518		
	Brown/Blue King	10,683,701		
	Bairdi	28,014,880		
	Oplio	37,572,654		
	Dungeness	0		
Grdfish	Pollock	98,718,972		
	Pacific Cod	11,227,217		
	Solms	1,376,332		
	Flounders	1,168,658		
	Misc. Groundfish	1,492,007		
Salmon	Chinook	0		
	Sockeye	0		
	Coho	0		
	Pink	0		
	Chum	0		
Herring	Spawn On Kelp	0		
	Food/Bait	0		
	Sac Roe	0		
Other	Misc. Shellfish	1,800,000		
	Sablefish	691,589		
	Halibut	5,232,417		
	Shrimp	0		
	Other Species	323,813		
	SUB-TOTAL	215,552,759	\$215,552,759	56%
Donations	Scholarships & Other Donations	796,610		
	"Wynn" Brindle Scholarships	41,429		
	SUB-TOTAL	838,039	\$838,039	0%
TOTAL DIRECT EXPENDITURES			\$383,896,359	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.40	
TOTAL ECONOMIC IMPACT (\$1.90 generated for every \$1 spent directly)			\$950,740,898	

Chapter 5, Economic Impacts in the Aleutians/Bering Sea

Table 5-2

Economic Impact of the Shoreside Processing Industry on the Bering Sea/Aleutian Islands Region during the First Quarter, 1992

Employment	Avg. number of employees/month	5,066			Percent
	Total Processing Payroll	31,696,300			of Total
	Fringe benefits, workers com., etc. (30% of gross)	9,508,890			
	Airfare	3,458,934			
	SUB-TOTAL	44,664,125	\$44,664,125	28%	
Purchases	Consumables	3,020,980			
	Services	3,211,868			
	Electric	21,823			
	Water	333,840			
	Sewer	26,327			
	Other	107,054			
	SUB-TOTAL	6,721,892	\$6,721,892	4%	
Taxes	State Raw Fish	4,125,061			
	Local Raw Fish Tax	2,294,976			
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	6,420,037	\$6,420,037	4%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$5.119/lb.)	0			
	Brown/Blue King (\$2.244/lb.)	2,245,660			
	Bairdi (\$1.704/lb.)	5,521,329			
	Opilio (\$0.521/lb.)	35,761,291			
Grdfish	Dungeness (\$0.00/lb.)	0			
	Pollock (\$0.124/lb.)	55,282,624			
	Pacific Cod (\$0.232/lb.)	5,052,247			
	Soles (\$0.150/lb.)	0			
	Flounders (\$0.150/lb.)	0			
	Misc. Groundfish (\$0.51/lb.)	373,002			
	Chinook (\$0.00/lb.)	0			
Salmon	Sockeye (\$0.00/lb.)	0			
	Coho (\$0.00/lb.)	0			
	Pink (\$0.00/lb.)	0			
	Chum (\$0.00/lb.)	0			
	Spawn On Kelp (0.00/lb.)	0			
Herring	Food/Bait (\$0.00/lb.)	0			
	Sac Roe (\$0.00/lb.)	0			
	Misc. Shellfish (\$1.500/lb.)	0			
Other	Sablefish (\$1.182/lb.)	0			
	Halibut (\$0.927/lb.)	0			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.990/lb.)	80,953			
	SUB-TOTAL	104,317,107	\$104,317,107	64%	
Donations	Scholarships & Other Donations	199,153			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	209,510	\$209,510	0%	
TOTAL DIRECT EXPENDITURES			\$162,332,671	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.30		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$405,831,676		

Chapter 5, Economic Impacts in the Aleutians/Bering Sea

Table 5-3

Economic Impact of the Shoreside Processing Industry on the Bering Sea/Aleutian Islands Region during the Second Quarter, 1992

Employment	Avg. number of employees/month	3,428		Percent
	Total Processing Payroll	19,070,350		of Total
	Fringe benefits, workers com., etc. (30% of gross)	5,721,105		
	Airfare	2,531,111		
	SUB-TOTAL	27,322,566	\$27,322,566	54%
Purchases	Consumables	4,102,322		
	Services	2,957,256		
	Electric	16,891		
	Water	354,712		
	Sewer	6,582		
	Other	71,222		
	SUB-TOTAL	7,508,985	\$7,508,985	15%
Taxes	State Raw Fish	569,240		
	Local Raw Fish Tax	316,697		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	885,937	\$885,937	2%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$5.119/lb.)	0		
	Brown/Blue King (\$2.244/lb.)	2,384,186		
	Bairdi (\$1.704/lb.)	174,253		
	Opilio (\$0.521/lb.)	1,811,363		
	Dungeness (\$0.00/lb.)	0		
Grdfish	Pollock (\$0.124/lb.)	0		
	Pacific Cod (\$0.232/lb.)	4,154,070		
	Sable (\$0.150/lb.)	888,166		
	Flounders (\$0.150/lb.)	584,329		
	Misc. Groundfish (\$0.51/lb.)	373,002		
Salmon	Chinook (\$0.00/lb.)	0		
	Sockeye (\$0.00/lb.)	0		
	Coho (\$0.00/lb.)	0		
	Pink (\$0.00/lb.)	0		
	Chum (\$0.00/lb.)	0		
Herring	Spawn On Kelp (\$0.00/lb.)	0		
	Food/Bait (\$0.00/lb.)	0		
	Sac. Roe (\$0.00/lb.)	0		
Other	Misc. Shellfish (\$1.500/lb.)	0		
	Satish (\$1.182/lb.)	691,589		
	Halibut (\$0.427/lb.)	3,453,395		
	Shrimp (\$0.00/lb.)	0		
	Other Species (\$0.990/lb.)	80,953		
	SUB-TOTAL	14,395,307	\$14,395,307	29%
Donations	Scholarships & Other Donations	199,153		
	"Wynn" Brinde Scholarships	10,357		
	SUB-TOTAL	209,510	\$209,510	0%
TOTAL DIRECT EXPENDITURES			\$50,322,305	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$1.39	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$123,655,744	

Chapter 5, Economic Impacts in the Aleutians/Bering Sea

Table 5-4

Economic Impact of the Shoreside Processing Industry on the Bering Sea/Aleutian Islands Region during the Third Quarter, 1992

Employment	Avg. number of employees/month	2,384		Percent of Total
	Total Processing Payroll	17,973,125		
	Fringe benefits, workers com., etc. (30% of gross)	5,391,937		
	Airfare	873,159		
	SUB-TOTAL	24,238,221	\$24,238,221	21%
Purchases	Consumables	4,048,937		
	Services	3,084,092		
	Electric	18,647		
	Water	353,775		
	Sewer	26,327		
	Other	97,881		
	SUB-TOTAL	7,629,658	\$7,629,658	9%
Taxes	State Raw Fish	2,043,318		
	Local Raw Fish Tax	1,136,800		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	3,180,118	\$3,180,118	4%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$5.119/lb.)	0		
	Brown/Blue King (\$2.244/lb.)	3,608,167		
	Bands (\$1.704/lb.)	0		
	Opilio (\$0.521/lb.)	0		
	Dungeness (\$0.00/lb.)	0		
Grothead	Pollock (\$0.124/lb.)	43,436,348		
	Pacific Cod (\$0.232/lb.)	1,122,722		
	Solms (\$0.150/lb.)	688,166		
	Flounders (\$0.150/lb.)	584,329		
	Misc. Groundfish (\$0.51/lb.)	373,002		
Salmon	Chinook (\$0.00/lb.)	0		
	Sockeye (\$0.00/lb.)	0		
	Coho (\$0.00/lb.)	0		
	Pink (\$0.00/lb.)	0		
	Chum (\$0.00/lb.)	0		
Herring	Spawn On Kelp (\$0.00/lb.)	0		
	Food/Bait (\$0.00/lb.)	0		
	Sac Roe (\$0.00/lb.)	0		
Other	Misc. Shellfish (\$1.000/lb.)	0		
	Sablefish (\$1.182/lb.)	0		
	Haddock (\$0.927/lb.)	1,779,622		
	Shrimp (\$0.00/lb.)	0		
	Other Species (\$0.990/lb.)	80,953		
	SUB-TOTAL	51,672,709	\$51,672,709	59%
Donations	Scholarships & Other Donations	199,153		
	"Wynn" Breda Scholarships	10,357		
	SUB-TOTAL	209,510	\$209,510	0%
	TOTAL DIRECT EXPENDITURES		\$86,930,215	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.24	
TOTAL ECONOMIC IMPACT (\$1.00 generated for every \$1 spent directly)			\$217,325,538	

Chapter 5, Economic Impacts in the Aleutians/Bering Sea

Table 5-5

Economic Impact of the Shoreside Processing Industry on the Bering Sea/Aleutian Islands Region during the Fourth Quarter, 1992

Employment	Avg. number of employees/month	3,015			
	Total Processing Payroll	20,581,107			
	Fringe benefits, workers com., etc. (30% of gross)	6,174,332			
	Airfare	2,675,810			
	SUB-TOTAL	29,431,249	\$29,431,249	35%	
Purchases	Consumables	3,432,772			
	Services	2,890,470			
	Electric	16,256			
	Water	308,199			
	Sewer	6,582			
	Other	68,720			
	SUB-TOTAL	6,722,999	\$6,722,999	8%	
Taxes	State Raw Fish	1,786,085			
	Local Raw Fish Tax	993,688			
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	2,779,773	\$2,779,773	3%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$5.119/lb.)	17,250,518			
	Brown/Blue King (\$2.244/lb.)	2,445,688			
	Bairdi (\$1.704/lb.)	22,319,298			
	Opilio (\$0.521/lb.)	0			
Grdfish	Dungeness (\$0.00/lb.)	0			
	Pollock (\$0.124/lb.)	0			
	Pacific Cod (\$0.232/lb.)	898,177			
	Solles (\$0.150/lb.)	0			
	Flounders (\$0.150/lb.)	0			
	Misc. Groundfish (\$0.51/lb.)	373,002			
Salmon	Chinook (\$0.00/lb.)	0			
	Sockeye (\$0.00/lb.)	0			
	Coho (\$0.00/lb.)	0			
	Pink (\$0.00/lb.)	0			
	Chum (\$0.00/lb.)	0			
	Spawn On Kelp (0.00/lb.)	0			
Herring	Food/Bait (\$0.00/lb.)	0			
	Sac Roe (\$0.00/lb.)	0			
	Misc. Shellfish (\$1.500/lb.)	1,800,000			
Other	Sablefish (\$1.182/lb.)	0			
	Halibut (\$0.927/lb.)	0			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.990/lb.)	80,953			
	SUB-TOTAL	45,167,637	\$45,167,637	54%	
Donations	Scholarships & Other Donations	199,153			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	209,510	\$209,510	0%	
	TOTAL DIRECT EXPENDITURES		\$84,311,168	100%	
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$3.60		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly))			\$210,777,919		

Chapter 5, Economic Impacts in the Aleutians/Bering Sea

Table 5-6

1992 Purchases of Fish and Shellfish in the Bering Sea/Aleutian Islands Region by the Shoreside Processing Industry (by quarter, in pounds)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Red King Crab	0	0	0	3,369,900	3,369,900
Brown/Blue King Crab	1,000,920	1,062,663	1,608,207	1,090,075	4,761,864
Bairdi Tanner Crab	3,240,705	102,277	0	13,100,155	16,443,137
Opilio Tanner Crab	68,656,219	3,477,541	0	0	72,133,760
Dungeness Crab	0	0	0	0	0
Pollock	445,827,616	0	350,293,127	0	796,120,743
Pacific Cod	21,776,929	17,905,475	4,839,317	3,871,454	48,393,175
Sole	0	4,587,773	4,587,773	0	9,175,545
Flounders	0	3,895,528	3,895,528	0	7,791,056
Misc. Groundfish	731,376	731,376	731,376	731,376	2,925,504
Chinook Salmon	0	0	0	0	0
Sockeye Salmon	0	0	0	0	0
Coho Salmon	0	0	0	0	0
Pink Salmon	0	0	0	0	0
Chum Salmon	0	0	0	0	0
Herring Spawn-on-Kelp	0	0	0	0	0
Herring Food & Bait	0	0	0	0	0
Herring Sac Roe	0	0	0	0	0
Misc. Shellfish	0	0	0	0	0
Sablefish	0	585,101	0	0	585,101
Halibut	0	3,725,346	1,919,117	0	5,644,463
Shrimp	0	0	0	0	0
Other Species	0	0	0	0	0
Total	541,233,765	36,073,078	367,874,445	22,162,960	967,344,248

Chapter 6

Impacts in the Kenai/Cook Inlet Region

6.1 Introduction

Tables 6-1 through 6-5 display the annual and quarterly economic impact of the shoreside seafood processing industry in the Kenai/Cook Inlet/Anchorage region during 1992. The total impact was \$418 million, of which \$167 million were direct expenditures. Of this amount, \$127 million was spent on purchases of fish and shellfish, \$32 million was spent on labor, \$4 million was spent on purchases of goods and services, \$4 million was spent on tax related items, and \$47,000 was contributed to charitable causes. Figure 6-1 shows the direct expenditures by quarter, while Figure 6-2 shows the direct expenditures from each category as a percent of the total.

On an annual basis, shoreside seafood processing companies spent \$1.52 in Alaska for every pound of fish and shellfish processed during 1992.

Figure 6-1
Distribution of Direct Expenditures by the Shoreside Processing Industry in the Kenai/Cook Inlet Region during 1992

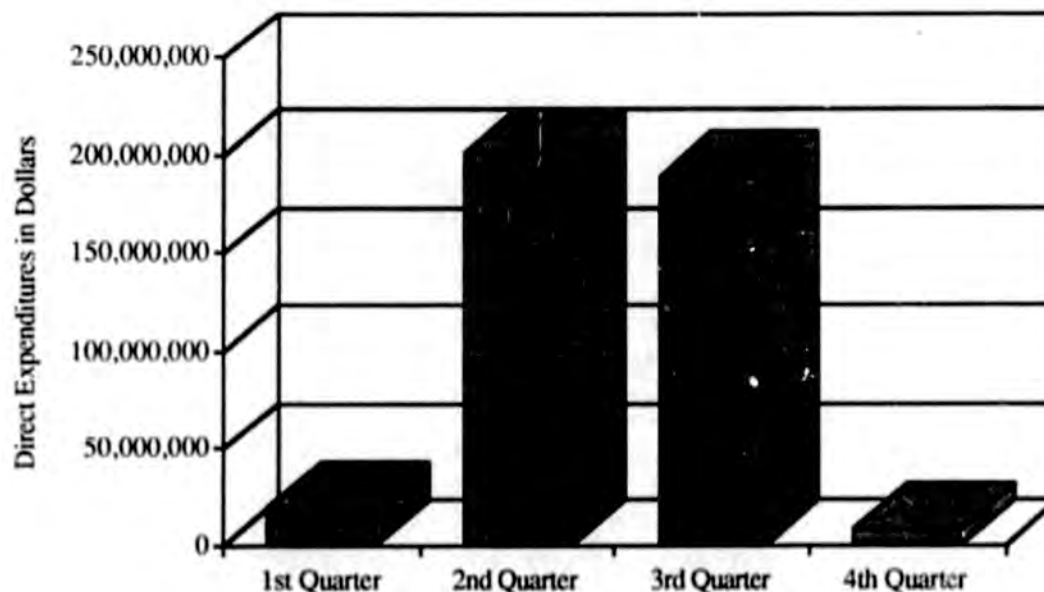
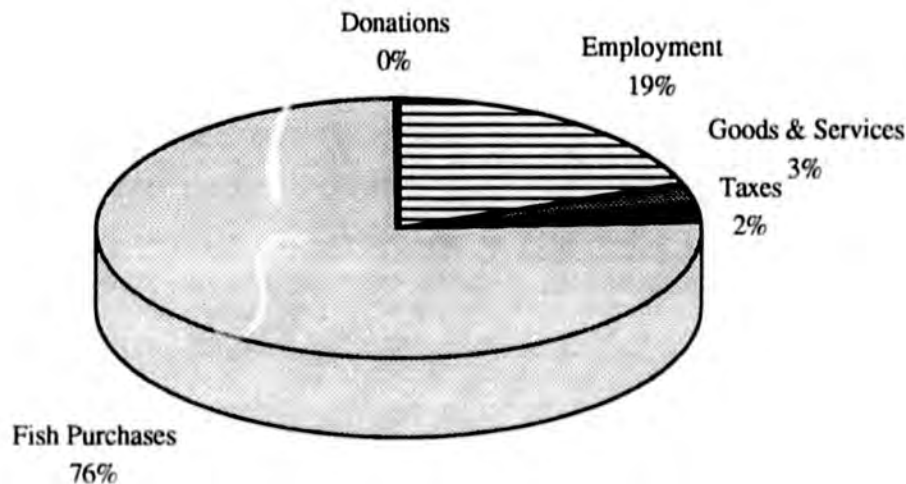


Figure 6-2
Percent Distribution of Expenditures by the Shoreside Processing Industry
in the Kenai/Cook Inlet Region during 1992



6.2 Purchases of Fish and Shellfish

Table 6-6 shows the poundage of fish and shellfish purchased by quarter in the Kenai/Cook Inlet region during 1992; for ex-vessel expenditures by the shoreside processing industry by species and quarter during 1992, see the "Fish Purchases" categories of Tables 6-1 through 6-5 for detailed information. Figures 6-3 and 6-4 display the percentage distribution of fish and shellfish purchased by the shoreside processors during 1992 by major species group in pounds purchased and value respectively.

During 1992, 110 million pounds of fish and shellfish were purchased in the region. The dominant species consisted of sockeye salmon (61 million pounds), followed by halibut (11 million pounds) and Pacific cod (9 million pounds). Coho, pink, and chum salmon each contributed between 2 million and 4 million pounds, sac roe herring contributed 4.6 million pounds, and sablefish added 8.8 million pounds. On a quarterly basis, 11% (12 million pounds) were processed in the first quarter, 51% (55.7 million pounds) were processed in the second quarter, 38% (42 million pounds) were processed in the third quarter, and little production occurred in the fourth quarter.

In terms of ex-vessel values, sockeye generated the greatest overall revenue (\$97 million). This was followed by halibut (\$10 million) and sablefish (\$9 million). Other salmon species contributed \$4.1 million, Pacific cod contributed \$2.5 million, and herring \$1.5 million.

Figure 6-3
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in the Kenai/Cook Inlet Region during 1992
(in percent of total pounds)

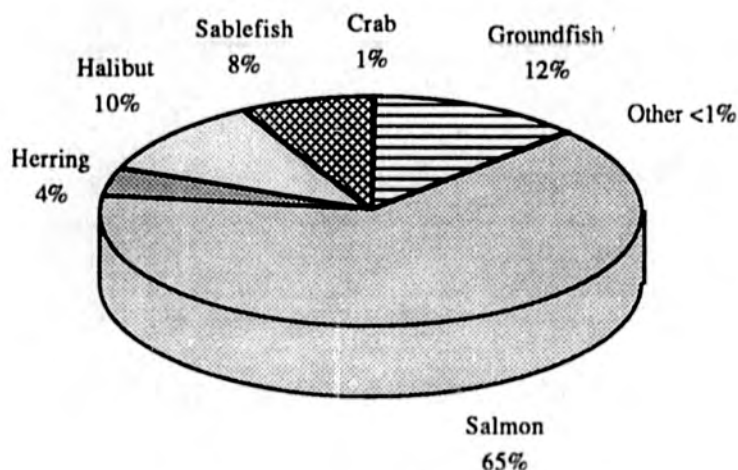
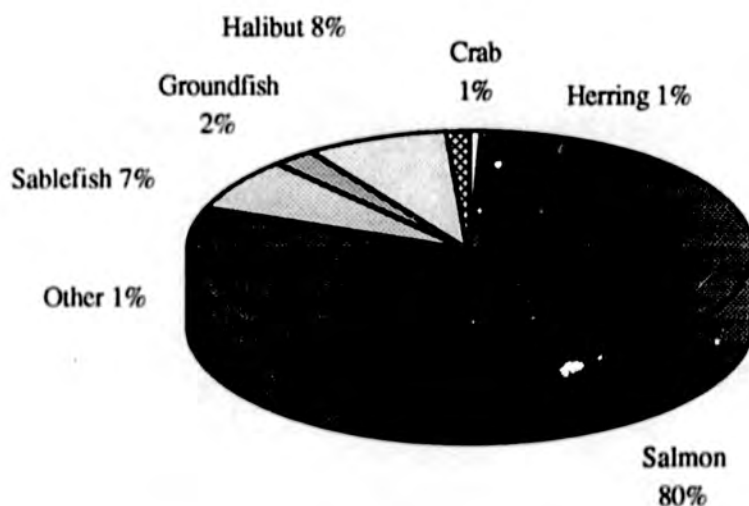


Figure 6-4
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in the Kenai/Cook Inlet Region during 1992
(in percent of total value)



6.3 Employment

The average number of individuals employed on a monthly basis during 1992 was 1,209. Employment varied significantly through the year; the lowest quarters were the first and fourth quarters when 516 and 388 individuals respectively were employed on average, while the second and third quarters produced direct employment opportunities for 1,507 and 2,424 individuals respectively. Total wages and benefits paid to employees during the year were \$32 million. Additionally, \$332,000 was spent to transport employees to and from the various work sites within the region.

6.4 Purchases of Goods and Services

A total of \$4.2 million in goods and services were purchased by the shoreside seafood processing companies in the Kenai/Cook Inlet region during 1992. On a quarterly basis, the expenditures consisted of \$703,000 (17%) for the first quarter, \$1.4 million (34%) for the second quarter, \$1.5 million (37%) for the third quarter, and \$565,000 (13%) for the fourth quarter.

By category, the expenditures consisted of \$1.7 million for consumables, \$1.1 million for services, \$1.2 million for electricity, \$200,000 for water, \$19,000 for sewer services, and \$8,400 for other purchases.

6.5 Taxes

Taxes paid on the purchase of fish during 1992 amounted to \$4.1 million. There were no local fish taxes applied to the purchases.

Chapter 6, Economic Impacts in Kenai/Cook Inlet

Table 6-1

Economic Impact of the Shoreside Processing Industry on the Kenai Peninsula during 1992

Employment	Peak Monthly Employment	2,424		
	Avg. number of employees/month	1,209		
	Total Processing Payroll	24,421,640		
	Fringe benefits, workers com., etc. (30% of gross)	7,326,492		
	Airfare	332,410		
	SUB-TOTAL	32,080,541	\$32,080,541	19%
Purchases	Consumables	1,669,570		
	Services	1,122,471		
	Electric	1,219,588		
	Water	204,846		
	Sewer	19,264		
	Other	8,371		
	SUB-TOTAL	4,244,110	\$4,244,110	3%
Taxes	State Raw Fish	4,125,562		
	Local Raw Fish Tax	0		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	4,125,562	\$4,125,562	2%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King	0		
	Brown/Blue King	0		
Grdfish	Bairdi	932,750		
	Opilio	0		
	Dungeness	140,705		
	Pollock	86,235		
	Pacific Cod	2,468,502		
	Soles	5,093		
	Flounders	261,344		
	Misc. Groundfish	243,895		
	Chinook	584,342		
	Sockeye	97,037,265		
Salmon	Coho	1,992,526		
	Pink	640,732		
	Chum	747,605		
	Spawn On Kelp	0		
Herring	Food/Bait	17,589		
	Sac Roe	1,410,028		
Other	Misc. Shellfish	941,483		
	Sablefish	8,928,947		
	Halibut	10,365,979		
	Shrimp	0		
	Other Species	0		
	SUB-TOTAL	126,805,220	\$126,805,220	76%
Donations	Scholarships & Other Donations	5,205		
	"Wynn" Brindle Scholarships	41,429		
	SUB-TOTAL	46,634	\$46,634	0%
TOTAL DIRECT EXPENDITURES			\$167,302,067	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$1.52	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$418,255,167	

Table 6-2

Economic Impact of the Shoreside Processing Industry
on the Kenai Peninsula during the First Quarter, 1992

Employment	Avg. number of employees/month	516			
	Total Processing Payroll	2,586,971			
	Fringe benefits, workers com., etc. (30% of gross)	776,091			
	Airfare	29,638			
	SUB-TOTAL	3,392,701	\$3,392,701	43%	
Purchases	Consumables	354,211			
	Services	209,447			
	Electric	109,121			
	Water	26,964			
	Sewer	2,424			
	Other	586			
	SUB-TOTAL	702,753	\$702,753	9%	
Taxes	State Raw Fish	119,699			
	Local Raw Fish Tax				
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	119,699	\$119,699	2%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$2.275/lb.)	932,750			
	Opilio (\$0.00/lb.)	0			
Grdfish	Dungeness (\$0.869/lb.)	0			
	Pollock (\$0.154/lb.)	86,235			
	Pacific Cod (\$0.255/lb.)	2,468,502			
	Solles (\$0.105/lb.)	0			
Salmon	Flounders (\$0.105/lb.)	130,672			
	Misc. Groundfish (\$0.299/lb.)	60,974			
	Chinook (\$1.284/lb.)	0			
	Sockeye (\$1.594/lb.)	0			
Herring	Coho (\$0.651/lb.)	0			
	Pink (\$0.152/lb.)	0			
	Chum (\$0.364/lb.)	0			
	Spawn On Kelp (0.00/lb.)	0			
Other	Food/Bait (\$0.250/lb.)	0			
	Sac Roe (\$0.309/lb.)	0			
	Misc. Shellfish (\$2.484/lb.)	0			
	Sablefish (\$1.008/lb.)	0			
	Halibut (\$0.914/lb.)	0			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.00/lb.)	0			
	SUB-TOTAL	3,679,133	\$3,679,133	47%	
Donations	Scholarships & Other Donations	1,301			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	11,658	\$11,658	0%	
TOTAL DIRECT EXPENDITURES			\$7,905,944	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.65		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$19,764,859		

Chapter 6, Economic Impacts in Kenai/Cook Inlet

Table 6-3

Economic Impact of the Shoreside Processing Industry on the Kenai Peninsula during the Second Quarter, 1992

Employment	Avg. number of employees/month	1,507			
	Total Processing Payroll	6,552,263			
	Fringe benefits, workers com., etc. (30% of gross)	1,965,679			
	Airfare	193,641			
	SUB-TOTAL	8,711,583	\$8,711,583	11%	
Purchases	Consumables	501,376			
	Services	488,472			
	Electric	357,283			
	Water	70,545			
	Sewer	5,474			
	Other	3,097			
	SUB-TOTAL	1,426,248	\$1,426,248	2%	
Taxes	State Raw Fish	2,209,324			
	Local Raw Fish Tax				
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	2,209,324	\$2,209,324	3%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$2.275/lb.)	0			
	Opilio (\$0.00/lb.)	0			
	Dungeness (\$0.869/lb.)	28,141			
Grdfish	Pollock (\$0.154/lb.)	0			
	Pacific Cod (\$0.255/lb.)	0			
	Soles (\$0.105/lb.)	5,093			
	Flounders (\$0.105/lb.)	130,672			
	Misc. Groundfish (\$0.299/lb.)	60,974			
Salmon	Chinook (\$1.284/lb.)	409,039			
	Sockeye (\$1.594/lb.)	48,518,633			
	Coho (\$0.651/lb.)	797,010			
	Pink (\$0.152/lb.)	64,073			
	Chum (\$0.364/lb.)	224,341			
Herring	Spawn On Kelp (0.00/lb.)	0			
	Food/Bait (\$0.250/lb.)	17,589			
	Sac Roe (\$0.309/lb.)	1,410,028			
Other	Misc. Shellfish (\$2.484/lb.)	470,741			
	Sablefish (\$1.008/lb.)	8,928,947			
	Halibut (\$0.914/lb.)	6,841,546			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.00/lb.)	0			
	SUB-TOTAL	67,906,829	\$67,906,829	85%	
Donations	Scholarships & Other Donations	1,301			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	11,658	\$11,658	0%	
TOTAL DIRECT EXPENDITURES			\$80,265,642	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$1.44		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly))			\$200,664,105		

Chapter 6, Economic Impacts in Kenai/Cook Inlet

Table 6-4

Economic Impact of the Shoreside Processing Industry on the Kenai Peninsula during the Third Quarter, 1992

Employment	Avg. number of employees/month	2,424			
	Total Processing Payroll	13,125,597			
	Fringe benefits, workers com., etc. (30% of gross)	3,937,679			
	Airfare	94,794			
	SUB-TOTAL	17,158,071	\$17,158,071	23%	
Purchases	Consumables	518,555			
	Services	351,543			
	Electric	585,123			
	Water	82,807			
	Sewer	9,030			
	Other	2,930			
	SUB-TOTAL	1,549,988	\$1,549,988	2%	
Taxes	State Raw Fish	1,793,639			
	Local Raw Fish Tax				
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	1,793,639	\$1,793,639	2%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$2.275/lb.)	0			
	Opilio (\$0.00/lb.)	0			
Grdfish	Dungeness (\$0.869/lb.)	84,423			
	Pollock (\$0.154/lb.)	0			
	Pacific Cod (\$0.255/lb.)	0			
	Sole (\$0.105/lb.)	0			
	Flounders (\$0.105/lb.)	0			
	Misc. Groundfish (\$0.299/lb.)	60,974			
Salmon	Chinook (\$1.284/lb.)	175,303			
	Sockeye (\$1.594/lb.)	48,518,633			
	Coho (\$0.651/lb.)	1,195,516			
	Pink (\$0.152/lb.)	576,659			
	Chum (\$0.364/lb.)	523,463			
Herring	Spawn On Kelp (0.00/lb.)	0			
	Food/Bait (\$0.250/lb.)	0			
	Sac Roe (\$0.309/lb.)	0			
Other	Misc. Shellfish (\$2.484/lb.)	470,741			
	Sablefish (\$1.008/lb.)	0			
	Halibut (\$0.914/lb.)	3,524,433			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.00/lb.)	0			
	SUB-TOTAL	55,130,144	\$55,130,144	73%	
Donations	Scholarships & Other Donations	1,301			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	11,658	\$11,658	0%	
TOTAL DIRECT EXPENDITURES			\$75,643,501	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$1.80		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly))			\$189,108,752		

Chapter 6, Economic Impacts in Kenai/Cook Inlet

Table 6-5

Economic Impact of the Shoreside Processing Industry on the Kenai Peninsula during the Fourth Quarter, 1992

Employment	Avg. number of employees/month	388			Percent
	Total Processing Payroll	2,156,808			of Total
	Fringe benefits, workers com., etc. (30% of gross)	647,042			
	Airfare	14,336			
	SUB-TOTAL	2,818,187	\$2,818,187	81%	
Purchases	Consumables	295,428			
	Services	73,009			
	Electric	168,060			
	Water	24,530			
	Sewer	2,335			
	Other	1,758			
	SUB-TOTAL	565,121	\$565,121	16%	
Taxes	State Raw Fish	0			
	Local Raw Fish Tax				
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	0	\$0	0%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$2.275/lb.)	0			
	Opilio (\$0.00/lb.)	0			
Grdfish	Dungeness (\$0.869/lb.)	28,141			
	Pollock (\$0.154/lb.)	0			
	Pacific Cod (\$0.255/lb.)	0			
	Soles (\$0.105/lb.)	0			
	Flounders (\$0.105/lb.)	0			
	Misc. Groundfish (\$0.299/lb.)	60,974			
	Chinook (\$1.284/lb.)	0			
Salmon	Sockeye (\$1.594/lb.)	0			
	Coho (\$0.651/lb.)	0			
	Pink (\$0.152/lb.)	0			
	Chum (\$0.364/lb.)	0			
	Spawn On Kelp (0.00/lb.)	0			
Herring	Food/Bait (\$0.250/lb.)	0			
	Sac Roe (\$0.309/lb.)	0			
	Misc. Shellfish (\$2.484/lb.)	0			
Other	Sablefish (\$1.008/lb.)	0			
	Halibut (\$0.914/lb.)	0			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.00/lb.)	0			
	SUB-TOTAL	89,115	\$89,115	3%	
Donations	Scholarships & Other Donations	1,301			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	11,658	\$11,658	0%	
TOTAL DIRECT EXPENDITURES			\$3,484,081	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$14.74		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly))			\$8,710,202		

Table 6-6

**1992 Purchases of Fish and Shellfish in the Kenai Peninsula
by the Shoreside Processing Industry (by quarter, in pounds)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Red King Crab	0	0	0	0	0
Brown/Blue King Crab	0	0	0	0	0
Bairdi Tanner Crab	410,000	0	0	0	410,000
Opilio Tanner Crab	0	0	0	0	0
Dungeness Crab	0	32,380	97,139	32,380	161,898
Pollock	559,968	0	0	0	559,968
Pacific Cod	9,680,399	0	0	0	9,680,399
Sole	0	48,501	0	0	48,501
Flounders	1,244,497	1,244,497	0	0	2,488,993
Misc. Groundfish	203,926	203,926	203,926	203,926	815,702
Chinook Salmon	0	318,567	136,529	0	455,095
Sockeye Salmon	0	30,438,289	30,438,289	0	60,876,578
Coho Salmon	0	1,224,286	1,836,430	0	3,060,716
Pink Salmon	0	421,534	3,793,809	0	4,215,343
Chum Salmon	0	616,322	1,438,086	0	2,054,408
Herring Spawn-on-Kelp	0	0	0	0	0
Herring Food & Bait	0	70,357	0	0	70,357
Herring Sac Roe	0	4,563,197	0	0	4,563,197
Misc. Shellfish	0	189,509	189,509	0	379,019
Sablefish	0	8,858,083	0	0	8,858,083
Halibut	0	7,485,280	3,856,054	0	11,341,334
Shrimp	0	0	0	0	0
Other Species	0	0	0	0	0
Total	12,098,789	55,714,728	41,989,768	236,305	110,039,591

Chapter 7

Impacts in the Kodiak Region

7.1 Introduction

Tables 7-1 through 7-5 display the annual and quarterly economic impact of the shoreside seafood processing industry Kodiak during 1992. The total impact was \$424.5 million, of which \$170 million were direct expenditures. Of this amount, \$110 million was spent on purchases of fish and shellfish, \$44.6 million was spent on labor, \$8.8 million was spent on purchases of goods and services, \$6.5 million was spent on tax related items, and \$66,000 was contributed to charitable causes. Figure 7-1 shows the direct expenditures by quarter, while Figure 7-2 shows the direct expenditures from each category as a percent of the total.

On an annual basis, shoreside seafood processing companies spent \$0.55 in Alaska for every pound of fish and shellfish processed during 1992.

Figure 7-1
Distribution of Direct Expenditures by the Shoreside Processing Industry
in Kodiak during 1992

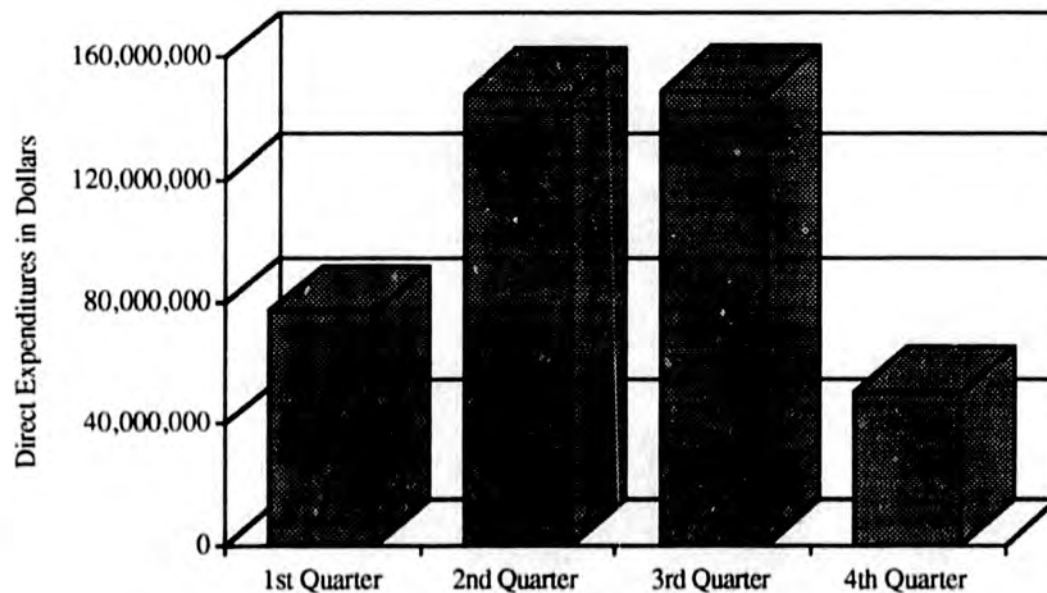
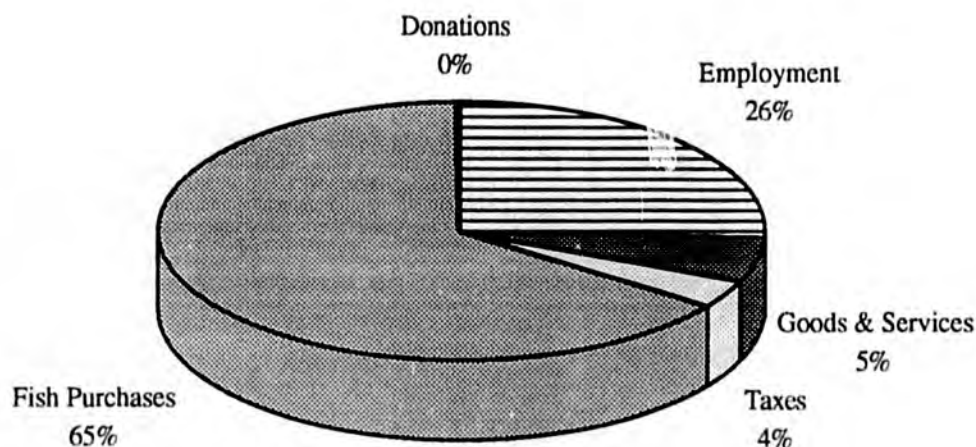


Figure 7-2
Percent Distribution of Expenditures by the Shoreside Processing Industry
in Kodiak during 1992



7.2 Purchases of Fish and Shellfish

Table 7-6 shows the poundage of fish and shellfish purchased by quarter in the Kodiak region during 1992; for ex-vessel expenditures by the shoreside processing industry by species and quarter during 1992, see the "Fish Purchases" categories of Tables 7-1 through 7-5 for detailed information. Figures 7-3 and 7-4 display the percentage distribution of fish and shellfish purchased by the shoreside processors during 1992 by major species group in pounds purchased and value respectively.

During 1992, 308 million pounds of fish and shellfish were purchased in the region. The dominant species consisted of pollock (150 million pounds), followed by Pacific cod (43 million pounds), flounders (32 million pounds), sockeye salmon (24 million pounds), halibut (13 million pounds), and pink salmon (12 million pounds). On a quarterly basis, 25% (78 million pounds) were processed in the first quarter, 28% (86 million pounds) were processed in the second quarter, 33% (101 million pounds) were processed in the third quarter, and 14% (43 million pounds) were processed in the fourth quarter.

In terms of ex-vessel values, sockeye salmon generated the greatest overall revenue (\$35 million). This was followed by pollock (\$23 million). Other significant contributors were halibut (\$12 million), Pacific cod (\$11 million), crab (\$8.5 million), and herring (\$2.1 million).

Figure 7-3

Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Kodiak during 1992 (in percent of total pounds)

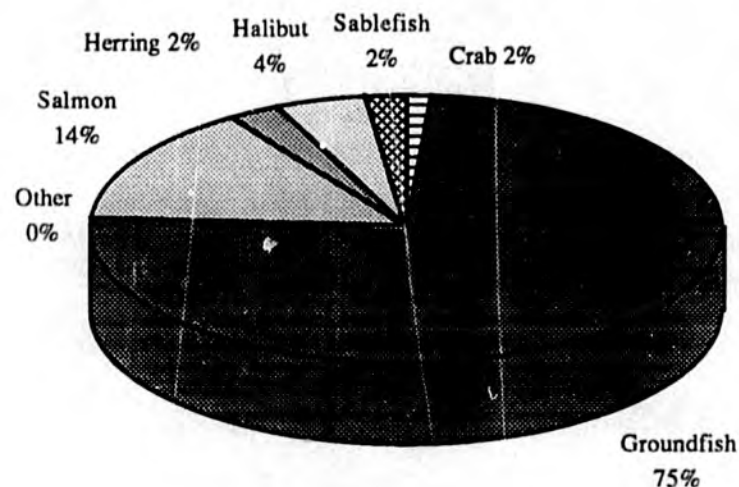
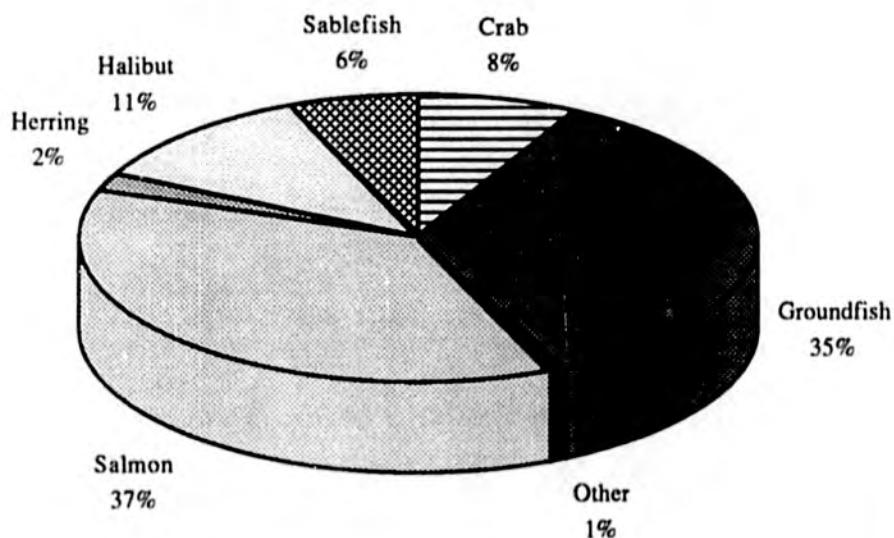


Figure 7-4

Distribution of Fish & Shellfish by Major Species Category Purchased by the Shoreside Processing Industry in Kodiak during 1992 (in percent of total value)



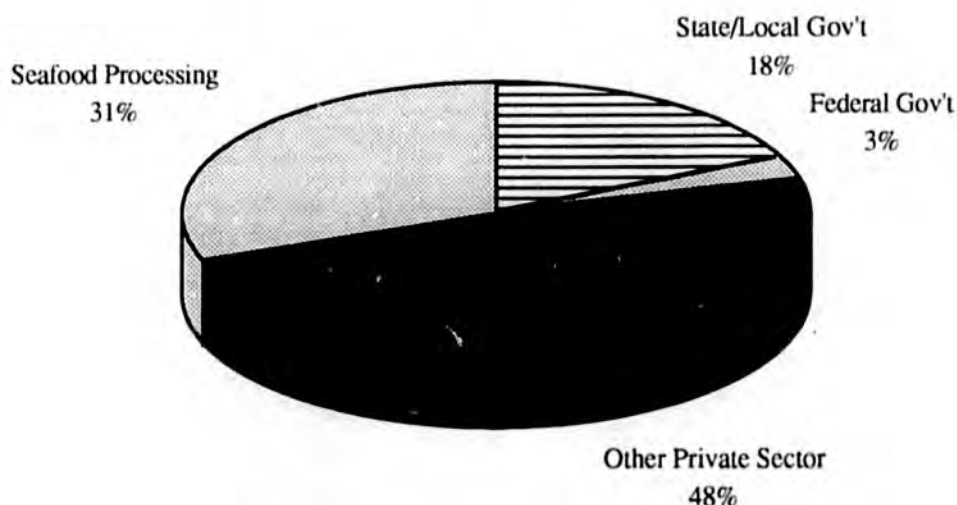
Chapter 7, Economic Impacts in Kodiak

7.3 Employment

The average number of individuals employed on a monthly basis during 1992 was 1,631. Direct employment fluctuates during the year from a quarterly average low of 977 jobs (the fourth quarter) to a high of 2,271 jobs (during the third quarter). Total wages and benefits paid to employees during the year were \$44.3 million. Additionally, \$320,000 was spent to transport employees to and from the various work sites within the region.

Seafood processing dominates employment opportunity in Kodiak. During 1992, for example, 31% of total employment opportunity consisted of seafood processing jobs. Figure 7-5 displays the relative role of seafood processing employment to government and other private sector employment during 1992.

Figure 7-5
Comparison of Government, Seafood Processing,
& Other Private Sector Employment in Kodiak during 1992



7.4 Purchases of Goods and Services

A total of \$8.5 million in goods and services were purchased by the shoreside seafood processing companies in Kodiak during 1992. On a quarterly basis, the expenditures consisted of \$1.5 million (18%) for the first quarter, \$2 million (22%) for the second quarter, \$4.2 million (47%) for the third quarter, and \$1.1 million (13%) for the fourth quarter.

7.5 Taxes

During 1992, the shoreside processing industry paid \$6.5 million in state and local fish taxes; of this amount, \$2.2 million was paid directly to local governments.

Chapter 7, Economic Impacts in Kodiak

Table 7-1

Economic Impact of the Shoreside Processing Industry on Kodiak during 1992

Employment	Peak Monthly Employment	2,271		
	Avg. number of employees/month	1,631		
	Total Processing Payroll	34,056,130		
	Fringe benefits, workers com., etc. (30% of gross)	10,216,839		
	Airfare	320,363		
	SUB-TOTAL	44,593,332	\$44,593,332	26%
Purchases	Consumables	3,463,751		
	Services	1,947,566		
	Electric	2,710,945		
	Water	364,648		
	Sewer	27,560		
	Other	323,078		
	SUB-TOTAL	8,837,548	\$8,837,548	5%
Taxes	State Raw Fish	4,271,501		
	Local Raw Fish Tax	2,196,620		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	6,468,120	\$6,468,120	4%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King	1,468,237		
	Brown/Blue King	0		
	Bairdi	5,460,000		
Grdfish	Opilio	420,837		
	Dungeness	1,266,345		
	Pollock	23,054,087		
	Pacific Cod	10,957,381		
	Soles	315,627		
	Flounders	3,315,487		
	Misc. Groundfish	1,025,677		
Salmon	Chinook	354,426		
	Sockeye	34,784,961		
	Coho	1,290,589		
	Pink	2,195,501		
	Chum	1,872,718		
Herring	Spawn On Kelp	0		
	Foot/Bait	0		
Other	Sa: Roe	2,252,571		
	Misc. Shellfish	686,400		
	Sablefish	6,697,822		
	Halibut	12,278,882		
	Shrimp	10,052		
	Other Species	123,393		
	SUB-TOTAL	109,830,992	\$109,830,992	65%
Donations	Scholarships & Other Donations	25,005		
	"Wynn" Brindle Scholarships	41,429		
	SUB-TOTAL	66,434	\$66,434	0%
TOTAL DIRECT EXPENDITURES			\$169,796,426	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.55	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$424,491,064	

Chapter 7, Economic Impacts in Kodiak

Table 7-2

Economic Impact of the Shoreside Processing Industry on Kodiak during the First Quarter, 1992

Employment	Avg. number of employees/month	1,558			Percent
	Total Processing Payroll	7,951,104			of Total
	Fringe benefits, workers com., etc. (30% of gross)	2,385,331			
	Airfare	18,029			
	SUB-TOTAL	10,354,465	\$10,354,465	34%	
Purchases	Consumables	563,418			
	Services	101,643			
	Electric	702,323			
	Water	91,184			
	Sewer	5,727			
	Other	91,140			
	SUB-TOTAL	1,555,435	\$1,555,435	5%	
Taxes	State Raw Fish	694,789			
	Local Raw Fish Tax	357,295			
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	1,052,084	\$1,052,084	3%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$5.119/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$2.275/lb.)	2,888,529			
	Opilio (\$0.521/lb.)	187,440			
	Dungeness (\$0.869/lb.)	0			
Grdfish	Pollock (\$0.154/lb.)	6,619,490			
	Pacific Cod (\$0.255/lb.)	7,304,921			
	Solms (\$0.105/lb.)	34,375			
	Flounders (\$0.105/lb.)	361,093			
	Misc. Groundfish (\$0.299/lb.)	256,419			
Salmon	Chinook (\$1.019/lb.)	0			
	Sockeye (\$1.469/lb.)	0			
	Coho (\$0.563/lb.)	0			
	Pink (\$0.177/lb.)	0			
	Chum (\$0.380/lb.)	0			
Herring	Spawn On Kelp (0.00/lb.)	0			
	Food/Bait (\$0.00/lb.)	0			
	Sac Roe (\$0.263/lb.)	0			
Other	Misc. Shellfish (\$1.760/lb.)	171,600			
	Sablefish (\$1.008/lb.)	0			
	Halibut (\$0.913/lb.)	0			
	Shrimp (\$3.585/lb.)	10,052			
	Other Species (\$0.209/lb.)	30,848			
	SUB-TOTAL	17,864,768	\$17,864,768	58%	
Donations	Scholarships & Other Donations	6,251			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	16,608	\$16,608	0%	
TOTAL DIRECT EXPENDITURES			\$30,843,360	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.39		
TOTAL ECONOMIC IMPACT (\$1.30 generated for every \$1 spent directly)			\$77,188,400		

Table 7-3

Economic Impact of the Shoreside Processing Industry
on Kodiak during the Second Quarter, 1992

Employment	Avg. number of employees/month	1,719			
	Total Processing Payroll	7,502,515			
	Fringe benefits, workers com., etc. (30% of gross)	2,250,755			
	Airfare	142,537			
	SUB-TOTAL	9,895,807	\$9,895,807	17%	
Purchases	Consumables	921,459			
	Services	171,893			
	Electric	703,081			
	Water	86,920			
	Sewer	5,855			
	Other	80,526			
	SUB-TOTAL	1,969,736	\$1,969,736	3%	
Taxes	State Raw Fish	1,734,850			
	Local Raw Fish Tax	892,147			
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	2,626,997	\$2,626,997	4%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$5.119/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$3.275/lb.)	0			
	Opilio (\$0.321/lb.)	123,313			
Grdfish	Dungeness (\$0.169/lb.)	253,269			
	Pollock (\$0.154/lb.)	4,108,848			
	Pacific Cod (\$0.254/lb.)	3,089,057			
	Sable (\$0.105/lb.)	46,875			
Salmon	Flounders (\$0.105/lb.)	492,399			
	Misc. Groundfish (\$0.299/lb.)	236,419			
	Chinook (\$1.019/lb.)	248,098			
	Sockeye (\$1.468/lb.)	17,382,480			
Herring	Coho (\$0.563/lb.)	518,236			
	Pink (\$0.177/lb.)	439,100			
	Chum (\$0.380/lb.)	374,544			
	Spawn On Kelp (0.00/lb.)	0			
Other	Feed/Bait (\$0.00/lb.)	0			
	Sac Roe (\$0.263/lb.)	2,252,571			
	Misc. Shellfish (\$1.750/lb.)	171,800			
	Shellfish (\$1.008/lb.)	6,697,822			
	Hallbut (\$0.813/lb.)	8,104,062			
	Shrimp (\$3.585/lb.)	0			
	Other Species (\$0.208/lb.)	30,848			
	SUB-TOTAL	44,607,343	\$44,607,343	75%	
Donations	Scholarships & Other Donations	6,251			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	16,608	\$16,608	0%	
TOTAL DIRECT EXPENDITURES			\$59,116,492	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.69		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$147,791,239		

Table 7-4

Economic Impact of the Shoreside Processing Industry
on Kodiak during the Third Quarter, 1992

Employment	Avg. number of employees/month	2,271		Percent
	Total Processing Payroll	12,498,889		of Total
	Fringe benefits, workers com., etc. (30% of gross)	3,749,667		
	Airfare	131,820		
	SUB-TOTAL	16,380,376	\$16,380,376	27%
Purchases	Consumables	1,550,082		
	Services	1,559,187		
	Electric	844,426		
	Water	125,839		
	Sewer	9,117		
	Other	90,301		
	SUB-TOTAL	4,178,952	\$4,178,952	7%
Taxes	State Raw Fish	1,432,639		
	Local Raw Fish Tax	736,735		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	2,169,373	\$2,169,373	4%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$5.119/lb.)	0		
	Brown/Blue King (\$0.00/lb.)	0		
	Bairdi (\$2.275/lb.)	0		
	Opilio (\$0.521/lb.)	0		
Grdfish	Dungeness (\$0.869/lb.)	759,807		
	Pollock (\$0.154/lb.)	8,217,298		
	Pacific Cod (\$0.255/lb.)	332,042		
	Soles (\$0.105/lb.)	118,751		
	Flounders (\$0.105/lb.)	1,247,411		
	Misc. Groundfish (\$0.299/lb.)	256,419		
Salmon	Chinook (\$1.019/lb.)	106,328		
	Sockeye (\$1.489/lb.)	17,392,480		
	Coho (\$0.563/lb.)	774,353		
	Pink (\$0.177/lb.)	1,756,401		
	Chum (\$0.380/lb.)	1,498,174		
Herring	Spawn On Kelp (0.00/lb.)	0		
	Food/Bait (\$0.00/lb.)	0		
	Sac Roe (\$0.263/lb.)	0		
Other	Misc. Shellfish (\$1.760/lb.)	171,600		
	Sablefish (\$1.008/lb.)	0		
	Halibut (\$0.913/lb.)	4,174,820		
	Shrimp (\$3.585/lb.)	0		
	Other Species (\$0.209/lb.)	30,848		
	SUB-TOTAL	36,836,732	\$36,836,732	62%
Donations	Scholarships & Other Donations	8,251		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	16,608	\$16,608	0%
TOTAL DIRECT EXPENDITURES			\$59,582,042	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.59	
TOTAL ECONOMIC IMPACT (\$1.30 generated for every \$1 spent directly)			\$148,855,104	

Table 7-5

Economic Impact of the Shoreside Processing Industry
on Kodiak during the Fourth Quarter, 1992

Employment	Avg. number of employees/month	977		Percent of Total
	Total Processing Payroll	6,103,622		
	Fringe benefits, workers com., etc. (30% of gross)	1,831,086		
	Airfare	27,976		
	SUB-TOTAL	7,962,685	\$7,962,685	39%
Purchases	Consumables	428,792		
	Services	114,843		
	Electric	461,115		
	Water	60,704		
	Sewer	6,861		
	Other	61,109		
	SUB-TOTAL	1,133,424	\$1,133,424	6%
Taxes	State Raw Fish	409,223		
	Local Raw Fish Tax	210,443		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	619,666	\$619,666	3%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$5.119/lb.)	1,468,237		
	Brown/Blue King (\$0.00/lb.)	0		
	Bairdi (\$2.275/lb.)	2,571,471		
	Opllo (\$0.521/lb.)	110,084		
	Dungeness (\$0.869/lb.)	253,269		
Grdfish	Pollock (\$0.154/lb.)	4,108,649		
	Pacific Cod (\$0.255/lb.)	221,361		
	Soles (\$0.105/lb.)	115,626		
	Flounders (\$0.105/lb.)	1,214,584		
	Misc. Groundfish (\$0.299/lb.)	256,419		
Salmon	Chinook (\$1.019/lb.)	0		
	Sockeye (\$1.469/lb.)	0		
	Coho (\$0.563/lb.)	0		
	Pink (\$0.177/lb.)	0		
	Chum (\$0.380/lb.)	0		
Herring	Spawn On Kelp (0.00/lb.)	0		
	Food/Bait (\$0.00/lb.)	0		
	Sac Roe (\$0.263/lb.)	0		
Other	Misc. Shellfish (\$1.760/lb.)	171,600		
	Sablefish (\$1.008/lb.)	0		
	Halibut (\$0.913/lb.)	0		
	Shrimp (\$3.585/lb.)	0		
	Other Species (\$0.209/lb.)	30,848		
	SUB-TOTAL	10,522,149	\$10,522,149	52%
Donations	Scholarships & Other Donations	6,251		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	16,608	\$16,608	0%
	TOTAL DIRECT EXPENDITURES		\$20,254,532	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.47	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$50,636,330	

Table 7-6

**1992 Purchases of Fish and Shellfish in Kodiak
by the Shoreside Processing Industry (by quarter, in pounds)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Red King Crab	0	0	0	286,821	286,821
Brown/Blue King Crab	0	0	0	0	0
Bairdi Tanner Crab	1,269,683	0	0	1,130,317	2,400,000
Opilio Tanner Crab	359,856	236,743	0	211,344	807,943
Dungeness Crab	0	291,416	874,247	291,416	1,457,078
Pollock	42,983,703	26,679,540	53,359,080	26,679,540	149,701,864
Pacific Cod	28,646,749	12,153,166	1,302,125	868,083	42,970,123
Sole	327,383	446,432	1,130,960	1,101,198	3,005,972
Flounders	3,438,978	4,689,515	11,880,104	11,567,470	31,576,067
Misc. Groundfish	857,589	857,589	857,589	857,589	3,430,358
Chinook Salmon	0	243,472	104,345	0	347,817
Sockeye Salmon	0	11,839,674	11,839,674	0	23,679,347
Coho Salmon	0	916,937	1,375,405	0	2,292,342
Pink Salmon	0	2,480,792	9,923,169	0	12,403,961
Chum Salmon	0	985,641	3,942,563	0	4,928,204
Herring Spawn-on-Kelp	0	0	0	0	0
Herring Food & Bait	0	0	0	0	0
Herring Sac Roe	0	8,564,910	0	0	8,564,910
Misc. Shellfish	97,500	97,500	97,500	97,500	390,000
Sablefish	0	6,644,664	0	0	6,644,664
Halibut	0	8,876,300	4,572,640	0	13,448,940
Shrimp	2,804	0	0	0	2,804
Other Species	0	0	0	0	0
Total	77,984,245	86,004,291	101,259,401	43,091,278	308,339,215

Chapter 8

Impacts in Prince William Sound

8.1 Introduction

Tables 8-1 through 8-5 display the annual and quarterly economic impact of the shoreside seafood processing industry on Prince William Sound during 1992. The total impact was \$182 million, of which \$73 million were direct expenditures. Of this amount, \$56 million was spent on purchases of fish and shellfish, \$13.6 million was spent on labor, \$1.7 million was spent on purchases of goods and services, \$1.7 million was spent on tax related items, and \$57,500 was contributed to charitable causes. Figure 8-1 shows the direct expenditures by quarter, while Figure 8-2 shows the direct expenditures from each category as a percent of the total.

On an annual basis, shoreside seafood processing companies spent \$0.71 in Alaska for every pound of fish and shellfish processed during 1992.

Figure 8-1
Distribution of Direct Expenditures by the Shoreside Processing Industry
in Prince William Sound during 1992

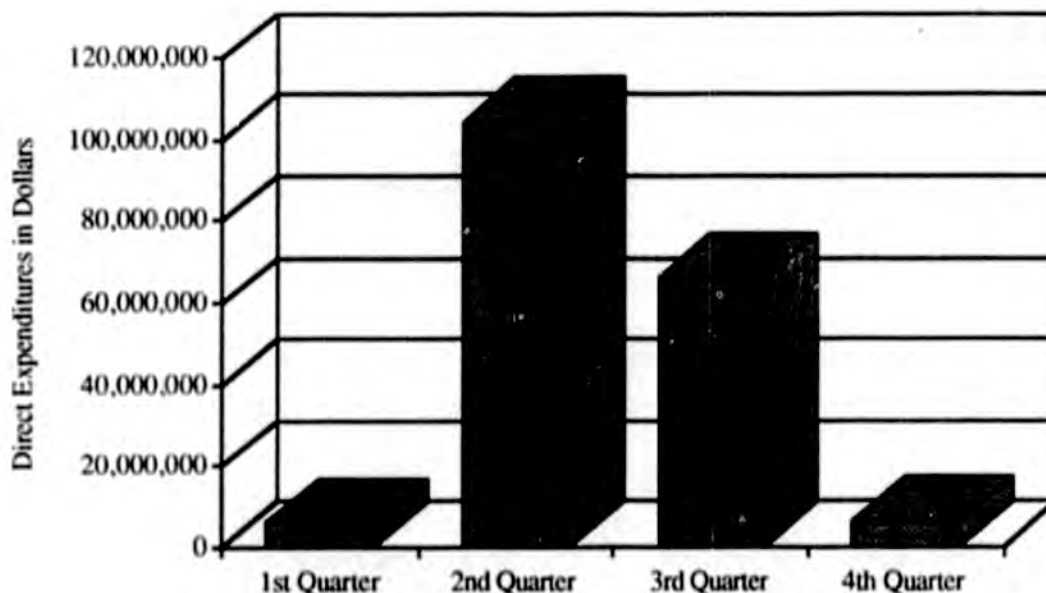
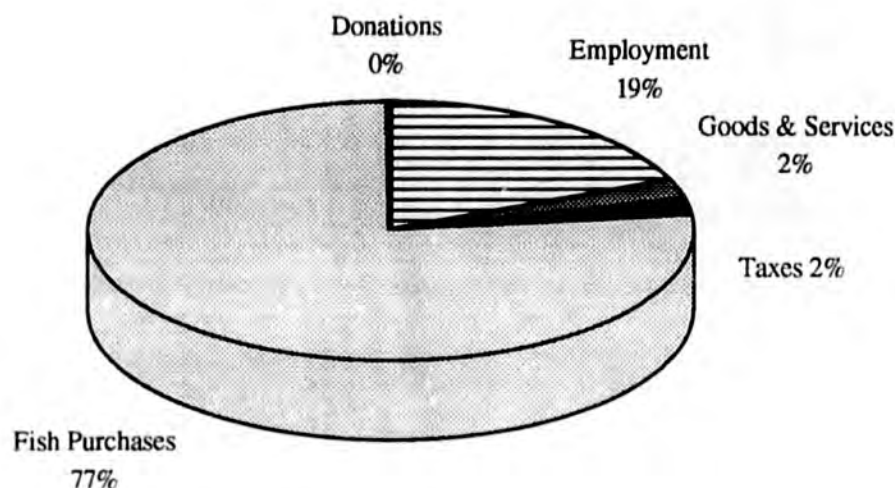


Figure 8-2
Percent Distribution of Expenditures by the Shoreside Processing Industry
in Prince William Sound during 1992



8.2 Purchases of Fish and Shellfish

Table 8-6 shows the poundage of fish and shellfish purchased by quarter in Prince William Sound during 1992; for ex-vessel expenditures by the shoreside processing industry by species and quarter during 1992, see the "Fish Purchases" categories of Tables 8-1 through 8-5 for detailed information. Figures 8-3 and 8-4 display the percentage distribution of fish and shellfish purchased by the shoreside processors during 1992 by major species group in pounds purchased and value respectively.

During 1992, 102 million pounds of fish and shellfish were purchased in the region. The dominant species consisted of sac roe herring (35.6 million pounds), followed by pink salmon (29 million pounds), and sockeye salmon (10.6 million pounds). The harvest were extremely seasonal: there was very little harvest during the first and the fourth quarters, while the second quarter accounted for 61% (62 million pounds) and the third quarter accounted for 36% (37 million pounds).

In terms of ex-vessel values, sockeye salmon generated the greatest overall revenue (\$22.5 million, or 40% of the total). This was followed by sac roe herring (\$7.6 million), pink salmon (\$6 million), and coho salmon (\$5.2 million). The value of all other species was no greater than \$2 million for any one species. Figures 8-5 and 8-6 compare salmon purchases by species in pounds and value as a percent of total salmon purchases.

Chapter 8, Economic Impacts in Prince William Sound

Figure 8-3
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in Prince William Sound during 1992
(in percent of total pounds)

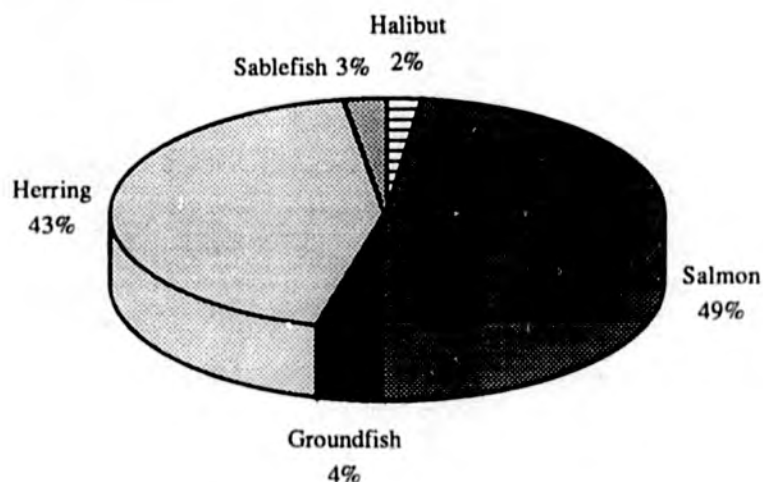
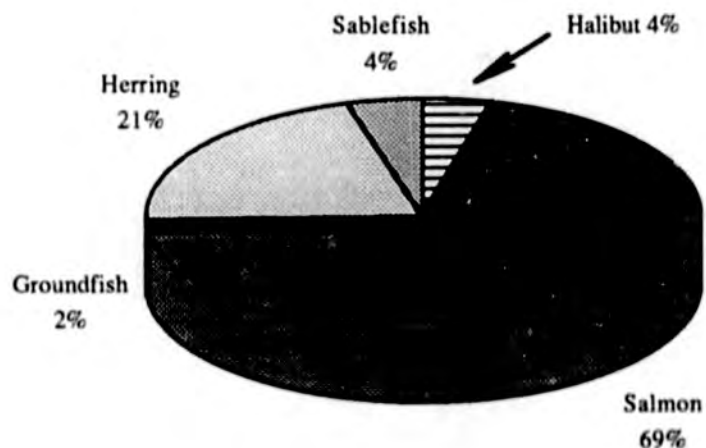


Figure 8-4
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in Prince William Sound during 1992
(in percent of total value)



Chapter 8, Economic Impacts in Prince William Sound

Figure 8-5
Distribution of Salmon Purchased by the Shoreside Processing Industry
in Prince William Sound during 1992 (in percent of pounds)

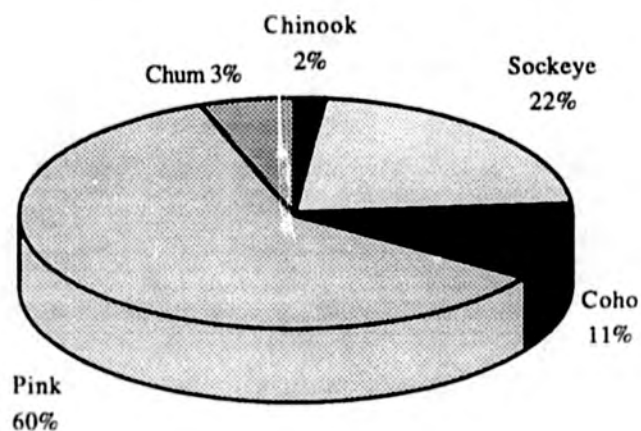
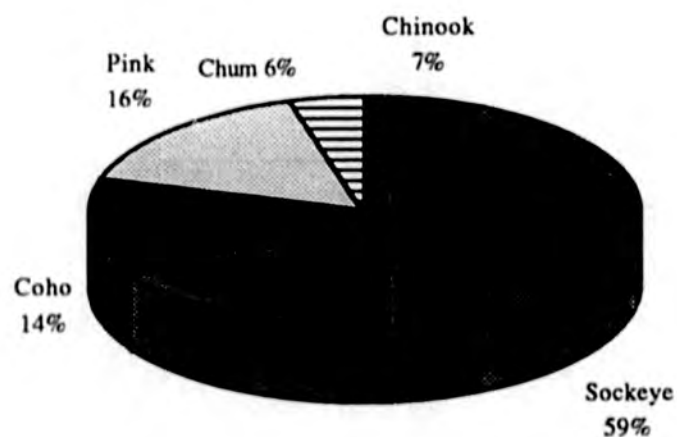


Figure 8-6
Distribution of Salmon Purchased by the Shoreside Processing Industry
in Prince William Sound during 1992 (in percent of value)



8.3 Employment

The average number of individuals employed on a monthly basis during 1992 was 492. As with purchases of fish and shellfish, employment fluctuated sharply through the year; little employment was available during the first and fourth quarters, while the second quarter provided 581 direct jobs and the third quarter provided 916 jobs average per month. Total wages and benefits paid to employees during the year were \$13 million. Additionally, \$271,000 was spent to transport employees to and from the various work sites within the region.

8.4 Purchases of Goods and Services

A total of \$1.7 million in goods and services were purchased by the shoreside seafood processing companies in Prince William Sound during 1992. On a quarterly basis, the expenditures consisted of \$183,000 (11%) for the first quarter, \$484,000 (28%) for the second quarter, \$948,000 (55%) for the third quarter, and \$117,000 (7%) for the fourth quarter.

By category, the expenditures consisted of \$402,000 for consumables, \$225,000 for services, \$939,000 for electricity, \$97,000 for water, \$9,500 for sewer services, and \$59,000 for other purchases.

8.5 Taxes

A total of \$1.66 million in fish taxes were paid by the shoreside processing companies during 1992 from their purchases of fish and shellfish in the Prince William Sound region.

Chapter 8, Economic Impacts in Prince William Sound

Table 8-1

Economic Impact of the Shoreside Processing Industry on Prince William Sound during 1992

Employment	Peak Monthly Employment	916		
	Avg. number of employees/month	492		
	Total Processing Payroll	10,246,262		Percent of Total
	Fringe benefits, workers com., etc. (30% of gross)	3,073,878		
	Airfare	271,453		
	SUB-TOTAL	13,591,594	\$13,591,594	19%
Purchases	Consumables	402,309		
	Services	225,295		
	Electric	939,016		
	Water	97,098		
	Sewer	9,533		
	Other	59,213		
	SUB-TOTAL	1,732,463	\$1,732,463	2%
Taxes	State Raw Fish	1,658,380		
	Local Raw Fish Tax	0		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	1,658,380	\$1,658,380	2%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King	0		
	Brown/Blue King	0		
	Bairdi	0		
	Opilio	0		
	Dungeness	0		
Grdfish	Pollock	6,790		
	Pacific Cod	899,477		
	Soles	926		
	Flounders	31,250		
	Misc. Groundfish	73,168		
Salmon	Chinook	2,812,422		
	Sockeye	22,457,098		
	Coho	5,217,119		
	Pink	6,019,885		
	Chum	1,612,303		
Herring	Spawn On Kelp	3,610,204		
	Food/Bait	655,246		
	Sac Roe	7,621,989		
Other	Misc. Shellfish	0		
	Sablefish	2,395,571		
	Halibut	2,379,075		
	Shrimp	0		
	Other Species	0		
	SUB-TOTAL	55,792,523	\$55,792,523	77%
Donations	Scholarships & Other Donations	16,096		
	"Wynn" Brindle Scholarships	41,429		
	SUB-TOTAL	57,525	\$57,525	0%
TOTAL DIRECT EXPENDITURES			\$72,832,484	100%
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.71	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$182,081,210	

Chapter 8, Economic Impacts in Prince William Sound

Table 8-2

Economic Impact of the Shoreside Processing Industry on Prince William Sound during the First Quarter, 1992

Employment	Avg. number of employees/month	235			Percent
	Total Processing Payroll	1,201,258			of Total
	Fringe benefits, workers com., etc. (30% of gross)	360,377			
	Airfare	130,897			
	SUB-TOTAL	1,692,532	\$1,692,532	71%	
Purchases	Consumables	38,803			
	Services	14,390			
	Electric	110,964			
	Water	8,160			
	Sewer	1,657			
	Other	8,935			
	SUB-TOTAL	182,909	\$182,909	8%	
Taxes	State Raw Fish	14,114			
	Local Raw Fish Tax				
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	14,114	\$14,114	1%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$0.00/lb.)	0			
	Oplio (\$0.00/lb.)	0			
	Dungeness (\$0.00/lb.)	0			
	Grdfish				
	Pollock (\$0.154/lb.)	6,790			
	Pacific Cod (\$0.255/lb.)	449,738			
	Soles (\$0.105/lb.)	0			
	Flounders (\$0.105/lb.)	0			
Salmon	Misc. Groundfish (\$0.299/lb.)	18,292			
	Chinook (\$2.750/lb.)	0			
	Sockeye (\$2.119/lb.)	0			
	Coho (\$0.972/lb.)	0			
	Pink (\$0.205/lb.)	0			
	Chum (\$0.620/lb.)	0			
	Herring				
	Spawn On Kelp (\$3.650/lb.)	0			
Other	Food/Bait (\$0.084/lb.)	0			
	Sac Roe (\$0.214/lb.)	0			
	Misc. Shellfish \$0.00/lb.)	0			
	Sablefish (\$1.008/lb.)	0			
	Halibut (\$0.941/lb.)	0			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.50/lb.)	0			
	SUB-TOTAL	474,821	\$474,821	20%	
Donations	Scholarships & Other Donations	4,024			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	14,381	\$14,381	1%	
TOTAL DIRECT EXPENDITURES			\$2,378,757	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$1.27		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly))			\$5,946,892		

Chapter 8, Economic Impacts in Prince William Sound

Table 8-3

Economic Impact of the Shoreside Processing Industry on Prince William Sound during the Second Quarter, 1992

Employment	Avg. number of employees/month	581			
	Total Processing Payroll	2,535,263			
	Fringe benefits, workers com., etc. (30% of gross)	760,579			
	Airfare	81,885			
	SUB-TOTAL	3,377,727	\$3,377,727	8%	
Purchases	Consumables	94,534			
	Services	61,919			
	Electric	286,798			
	Water	19,724			
	Sewer	2,020			
	Other	19,131			
	SUB-TOTAL	484,127	\$484,127	1%	
Taxes	State Raw Fish	1,089,288			
	Local Raw Fish Tax				
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	1,089,288	\$1,089,288	3%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$0.00/lb.)	0			
	Opilio (\$0.00/lb.)	0			
Grdfish	Dungeness (\$0.00/lb.)	0			
	Pollock (\$0.154/lb.)	0			
	Pacific Cod (\$0.255/lb.)	44,974			
	Soles (\$0.105/lb.)	926			
	Flounders (\$0.105/lb.)	31,250			
	Misc. Groundfish (\$0.299/lb.)	18,292			
Salmon	Chinook (\$2.750/lb.)	1,124,969			
	Sockeye (\$2.119/lb.)	17,965,679			
	Coho (\$0.972/lb.)	521,712			
	Pink (\$0.205/lb.)	601,988			
	Chum (\$0.620/lb.)	483,691			
Herring	Spawn On Kelp (\$3.650/lb.)	3,610,204			
	Food/Bait (\$0.084/lb.)	655,246			
	Sac Roe (\$0.214/lb.)	7,621,989			
Other	Misc. Shellfish \$0.00/lb.)	0			
	Sablefish (\$1.008/lb.)	2,395,571			
	Halibut (\$0.941/lb.)	1,570,189			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.50/lb.)	0			
	SUB-TOTAL	36,646,680	\$36,646,680	88%	
Donations	Scholarships & Other Donations	4,024			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	14,381	\$14,381	0%	
	TOTAL DIRECT EXPENDITURES		\$41,612,203	100%	
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.67		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly))			\$104,030,508		

Chapter 8, Economic Impacts in Prince William Sound

Table 8-4

Economic Impact of the Shoreside Processing Industry on Prince William Sound during the Third Quarter, 1992

Employment	Avg. number of employees/month	916			
	Total Processing Payroll	5,042,124			
	Fringe benefits, workers com., etc. (30% of gross)	1,512,637			
	Airfare	26,507			
	SUB-TOTAL	6,581,268	\$6,581,268	25%	
Purchases	Consumables	249,668			
	Services	140,846			
	Electric	462,828			
	Water	63,187			
	Sewer	4,198			
	Other	26,991			
	SUB-TOTAL	947,718	\$947,718	4%	
Taxes	State Raw Fish	542,671			
	Local Raw Fish Tax				
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	542,671	\$542,671	2%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$0.00/lb.)	0			
	Opilio (\$0.00/lb.)	0			
	Dungeness (\$0.00/lb.)	0			
Grdfish	Pollock (\$0.154/lb.)	0			
	Pacific Cod (\$0.255/lb.)	8,995			
	Solms (\$0.105/lb.)	0			
	Flounders (\$0.105/lb.)	0			
	Misc. Groundfish (\$0.299/lb.)	18,292			
Salmon	Chinook (\$2.750/lb.)	1,687,453			
	Sockeye (\$2.119/lb.)	4,491,420			
	Coho (\$0.972/lb.)	4,695,407			
	Pink (\$0.205/lb.)	5,417,896			
	Chum (\$0.620/lb.)	1,128,612			
Herring	Spawn On Kelp (\$3.650/lb.)	0			
	Food/Bait (\$0.084/lb.)	0			
	Sac Roe (\$0.214/lb.)	0			
Other	Misc. Shellfish \$0.00/lb.)	0			
	Sablefish (\$1.008/lb.)	0			
	Halibut (\$0.941/lb.)	808,885			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.50/lb.)	0			
	SUB-TOTAL	18,256,961	\$18,256,961	69%	
Donations	Scholarships & Other Donations	4,024			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	14,381	\$14,381	0%	
TOTAL DIRECT EXPENDITURES			\$26,342,998	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.72		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly))			\$65,857,495		

Chapter 8, Economic Impacts in Prince William Sound

Table 8-5

Economic Impact of the Shoreside Processing Industry on Prince William Sound during the Fourth Quarter, 1992

Employment	Avg. number of employees/month	235			Percent of Total
	Total Processing Payroll	1,467,617			
	Fringe benefits, workers com., etc. (30% of gross)	440,285			
	Airfare	32,165			
	SUB-TOTAL	1,940,067	\$1,940,067	78%	
Purchases	Consumables	19,303			
	Services	8,140			
	Electric	78,427			
	Water	6,026			
	Sewer	1,657			
	Other	4,155			
	SUB-TOTAL	117,709	\$117,709	5%	
Taxes	State Raw Fish	12,308			
	Local Raw Fish Tax				
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	12,308	\$12,308	0%	
Fish (Ex-Vessel Value of Purchase)					
	Lab				
	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$0.00/lb.)	0			
	Bairdi (\$0.00/lb.)	0			
	Opilio (\$0.00/lb.)	0			
	Dungeness (\$0.00/lb.)	0			
	Grdfish				
	Pollock (\$0.154/lb.)	0			
	Pacific Cod (\$0.255/lb.)	395,770			
	Soles (\$0.105/lb.)	0			
	Flounders (\$0.105/lb.)	0			
	Misc. Groundfish (\$0.299/lb.)	18,292			
	Salmon				
	Chinook (\$2.750/lb.)	0			
	Sockeye (\$2.119/lb.)	0			
	Coho (\$0.972/lb.)	0			
	Pink (\$0.205/lb.)	0			
	Chum (\$0.620/lb.)	0			
	Herring				
	Spawn On Kelp (\$3.650/lb.)	0			
	Food/Bait (\$0.084/lb.)	0			
	Sac Roe (\$0.214/lb.)	0			
	Other				
	Misc. Shellfish \$0.00/lb.)	0			
	Sablefish (\$1.008/lb.)	0			
	Halibut (\$0.941/lb.)	0			
	Shrimp (\$0.00/lb.)	0			
	Other Species (\$0.50/lb.)	0			
	SUB-TOTAL	414,062	\$414,062	17%	
Donations	Scholarships & Other Donations	4,024			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	14,381	\$14,381	1%	
	TOTAL DIRECT EXPENDITURES		\$2,498,526	100%	
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$1.55		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$6,248,313		

Table 8-6

1992 Purchases of Fish and Shellfish in Prince William Sound
by the Shoreside Processing Industry (by quarter, in pounds)

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Red King Crab	0	0	0	0	0
Brown/Blue King Crab	0	0	0	0	0
Bairdi Tanner Crab	0	0	0	0	0
Opilio Tanner Crab	0	0	0	0	0
Dungeness Crab	0	0	0	0	0
Pollock	44,092	0	0	0	44,092
Pacific Cod	1,763,680	176,368	35,274	1,552,038	3,527,360
Sole	0	8,818	0	0	8,818
Flounders	0	297,621	0	0	297,621
Misc. Groundfish	61,178	61,178	61,178	61,178	244,711
Chinook Salmon	0	409,080	613,619	0	1,022,699
Sockeye Salmon	0	8,478,376	2,119,594	0	10,597,970
Coho Salmon	0	536,741	4,830,665	0	5,367,406
Pink Salmon	0	2,936,529	26,428,762	0	29,365,291
Chum Salmon	0	780,147	1,820,342	0	2,600,489
Herring Spawn-on-Kelp	0	989,097	0	0	989,097
Herring Food & Bait	0	7,800,545	0	0	7,800,545
Herring Sac Roe	0	35,616,769	0	0	35,616,769
Misc. Shellfish	0	0	0	0	0
Sablefish	0	2,376,559	0	0	2,376,559
Halibut	0	1,668,639	859,602	0	2,528,241
Shrimp	0	0	0	0	0
Other Species	0	0	0	0	0
Total	1,868,950	62,136,466	36,769,036	1,613,216	102,387,668

Chapter 9

Impacts in Southeast Alaska

9.1 Introduction

Tables 9-1 through 9-5 display the annual and quarterly economic impact of the shoreside seafood processing industry in Southeast Alaska during 1992. The total impact was \$547 million, of which \$217 million were direct expenditures. Of this amount, \$165 million was spent on purchases of fish and shellfish, \$42.6 million was spent on labor, \$6.3 million was spent on purchases of goods and services, \$5 million was spent on tax related items, and \$65,000 was contributed to charitable causes. Figure 9-1 shows the direct expenditures by quarter, while Figure 9-2 shows the direct expenditures from each category as a percent of the total.

On an annual basis, shoreside seafood processing companies spent \$0.81 in Alaska for every pound of fish and shellfish processed during 1992.

Figure 9-1
Distribution of Direct Expenditures by the Shoreside Processing Industry in Southeast Alaska during 1992

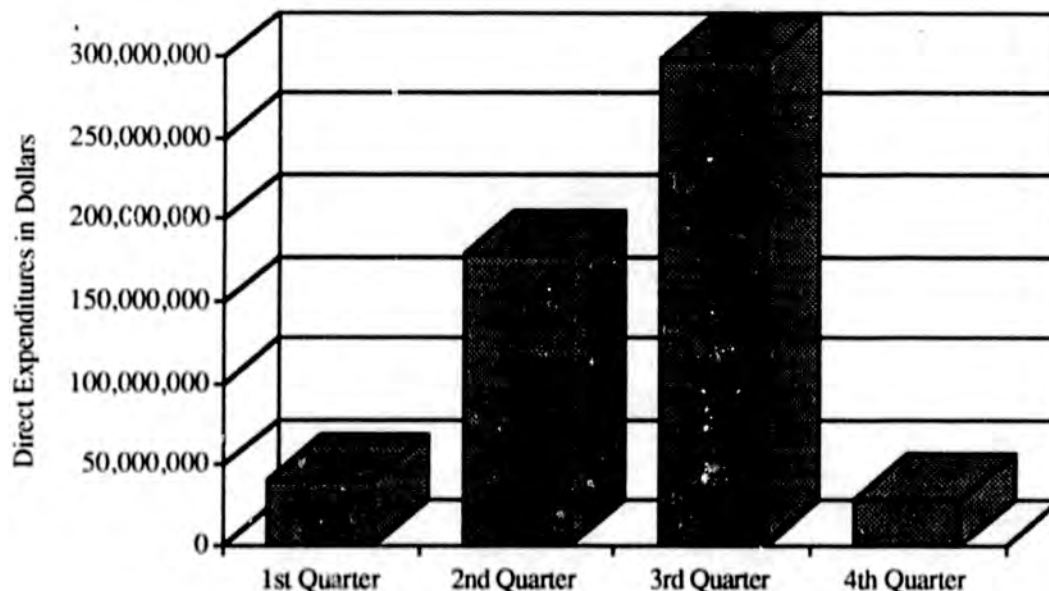
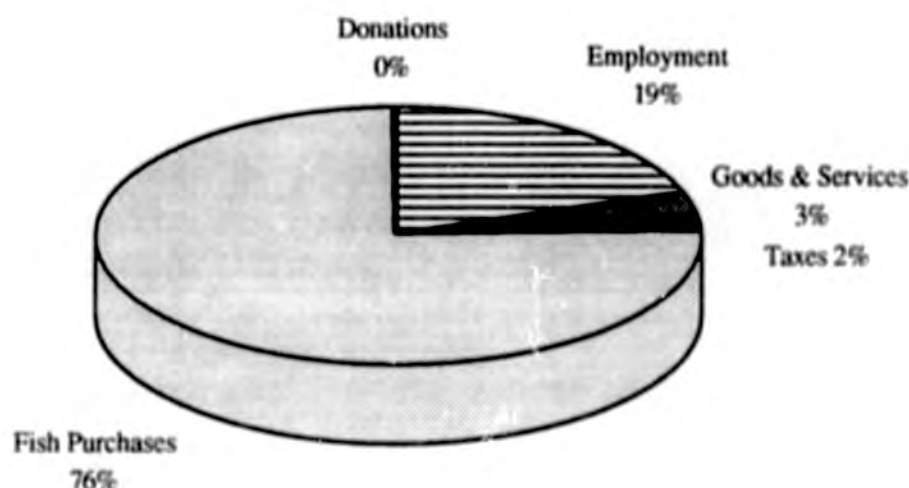


Figure 9-2
Percent Distribution of Expenditures by the Shoreside Processing Industry
in Southeast Alaska during 1992



9.2 Purchases of Fish and Shellfish

Table 9-6 shows the poundage of fish and shellfish purchased by quarter in Southeast Alaska during 1992; for ex-vessel expenditures by the shoreside processing industry by species and quarter during 1992, see the "Fish Purchases" categories of Tables 9-1 through 9-5 for detailed information. Figures 9-3 and 9-4 display the percentage distribution of fish and shellfish purchased by the shoreside processors during 1992 by major species group in pounds purchased and value respectively.

During 1992, 268 million pounds of fish and shellfish were purchased in the region. The dominant species consisted of pink salmon (115 million pounds), followed by chum salmon (39 million pounds), coho salmon (28 million pounds), sockeye salmon (16 million pounds), and sablefish (16 million pounds). Sac roe herring and halibut contributed 13 and 12.8 million pounds respectively. On a quarterly basis, 6% (16.5 million pounds) were processed in the first quarter, 14% (39.3 million pounds) were processed in the second quarter, 58% (225 million pounds) were processed in the third quarter, and 1% (4 million pounds) were processed in the fourth quarter.

In terms of ex-vessel values, coho salmon generated the greatest overall revenue (\$33 million), followed closely by sockeye salmon (\$27.4 million), pink salmon (\$26.5 million), and chum salmon (\$19 million). Sablefish contributed \$16 million and halibut purchases accounted for \$12.6 million. The combined value of all shellfish was \$9.1 million. Herring fisheries generated \$4.3 million.

Chapter 9, Economic Impacts in Southeast Alaska

Figure 9-3
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in Southeast Alaska during 1992
(in percent of total pounds)

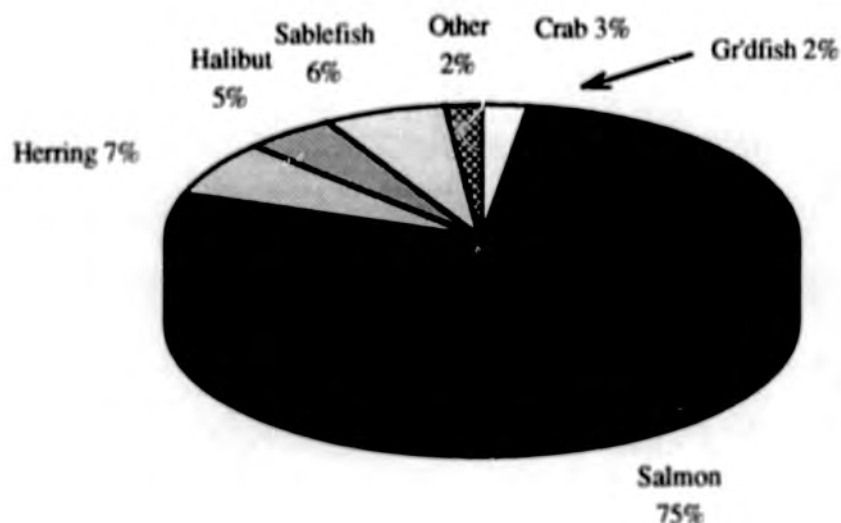


Figure 9-4
Distribution of Fish & Shellfish by Major Species Category Purchased by the
Shoreside Processing Industry in Southeast Alaska during 1992
(in percent of total value)

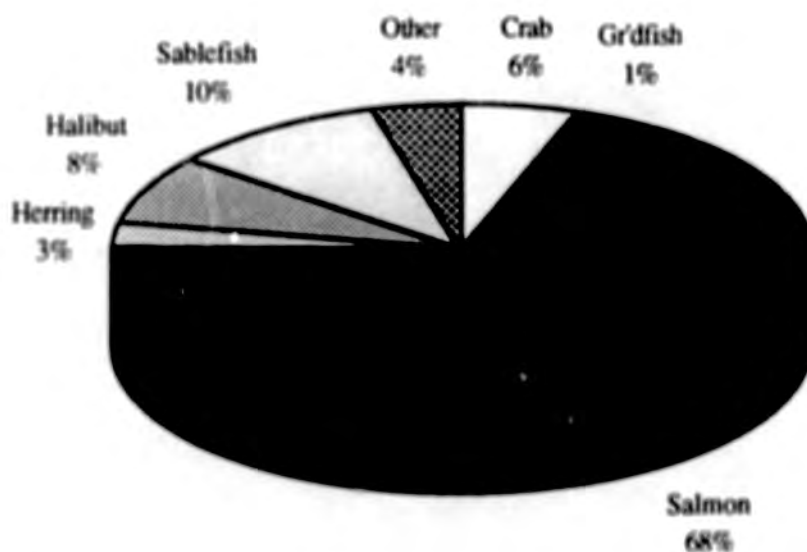


Figure 9-5
Distribution of Salmon Purchased by the Shoreside Processing Industry
in Southeast Alaska during 1992 (in percent of pounds)

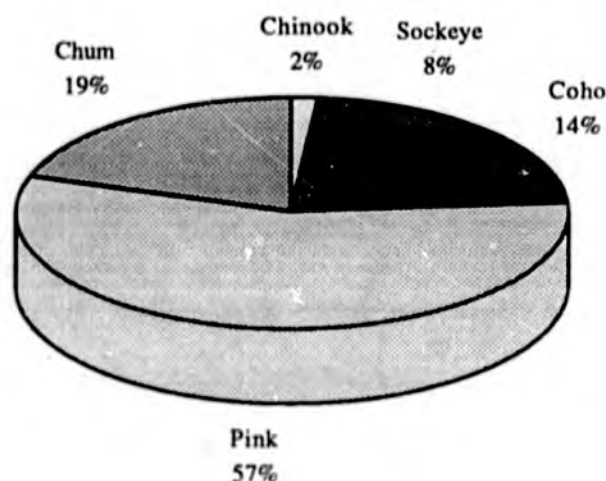
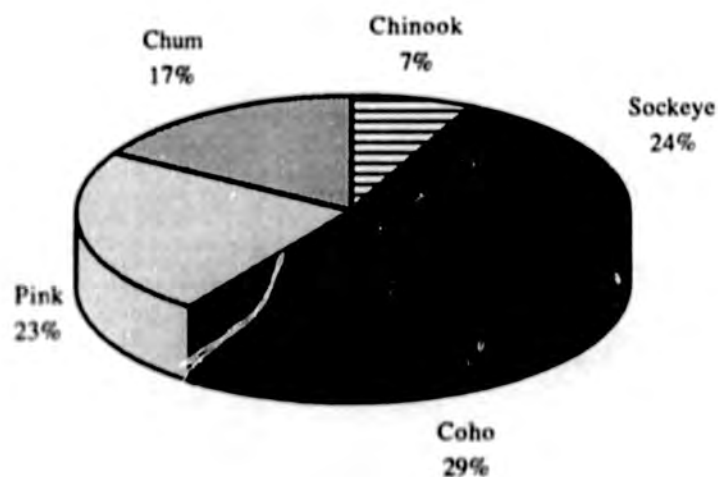


Figure 9-6
Distribution of Salmon Purchased by the Shoreside Processing Industry
in Southeast Alaska during 1992 (in percent of value)



9.3 Employment

The average number of individuals employed on a monthly basis during 1992 was 1,391. Employment fluctuated through the year; the lowest quarters were the first and fourth quarters when 579 and 869 direct employment positions were available. During the second and third quarters, employment opportunity was significantly greater with 1,208 and 2,908 direct jobs available on an average monthly basis. Total wages and benefits paid to employees during the year were \$42 million. Additionally, \$980,000 was spent to transport employees to and from the various work sites within the region.

9.4 Purchases of Goods and Services

A total of \$6.3 million in goods and services were purchased by the shoreside seafood processing companies in Southeast Alaska during 1992. On a quarterly basis, the expenditures consisted of \$398,000 (6%) for the first quarter, \$1.4 million (23%) for the second quarter, \$3.9 million (62%) for the third quarter, and \$534,000 (8%) for the fourth quarter.

By category, the expenditures consisted of \$4 million for consumables, \$1.2 million for services, \$850,000 for electricity, \$161,000 for water, \$97,000 for sewer services, and \$33,000 for other purchases.

9.5 Fish Taxes

A total of \$5 million in raw fish tax was paid by the shoreside processing companies during 1992.

Chapter 9, Economic Impacts in Southeast Alaska

Table 9-1

Economic Impact of the Shoreside Processing Industry on Southeast Alaska during 1992

Employment	Peak Monthly Employment	2,908		
	Avg. number of employees/month	1,391		
	Total Processing Payroll	31,996,061		
	Fringe benefits, workers com., etc. (30% of gross)	9,598,818		
	Airfare	979,087		
	SUB-TOTAL	42,573,966	\$42,573,966	19%
Purchases	Consumables	3,917,591		
	Services	1,167,356		
	Electric	852,424		
	Water	161,211		
	Sewer	96,756		
	Other	33,481		
	SUB-TOTAL	6,298,820	\$6,298,820	3%
Taxes	State Raw Fish	5,044,813		
	Local Raw Fish Tax	0		
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	5,044,813	\$5,044,813	2%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King	0		
	Brown/Blue King	880,159		
Grdfish	Bairdi	4,357,772		
	Opilio	0		
	Dungeness	3,934,683		
	Pollock	1,019		
	Pacific Cod	187,001		
	Soles	0		
Salmon	Flounders	308,002		
	Misc. Groundfish	810,786		
	Chinook	8,262,356		
	Sockeye	27,339,967		
	Coho	33,148,215		
	Pink	26,494,458		
Herring	Chum	19,042,749		
	Spawn On Kelp	533,107		
	Food/Bait	643,101		
Other	Sac Roe	3,148,441		
	Misc. Shellfish	4,808,100		
	Sablefish	16,391,219		
	Halibut	12,621,863		
	Shrimp	1,567,367		
	Other Species	159,490		
	SUB-TOTAL	164,639,853	\$164,639,853	75%
Donations	Scholarships & Other Donations	23,795		
	"Wynn" Brindle Scholarships	41,429		
	SUB-TOTAL	65,224	\$65,224	0%
	TOTAL DIRECT EXPENDITURES		\$218,622,676	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.81	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$546,356,690	

Chapter 9, Economic Impacts in Southeast Alaska

Table 9-2

Economic Impact of the Shoreside Processing Industry on Southeast Alaska during the First Quarter, 1992

Employment	Avg. number of employees/month	579			Percent
	Total Processing Payroll	2,515,316			of Total
	Fringe benefits, workers com., etc. (30% of gross)	754,595			
	Airfare	77,940			
	SUB-TOTAL	3,347,851	\$3,347,851	20%	
Purchases	Consumables	169,910			
	Services	92,217			
	Electric	114,731			
	Water	5,378			
	Sewer	13,799			
	Other	1,702			
	SUB-TOTAL	397,736	\$397,736	2%	
Taxes	State Raw Fish	376,550			
	Local Raw Fish Tax				
	Other State Taxes (see Statewide Total)				
	SUB-TOTAL	376,550	\$376,550	2%	
Fish (Ex-Vessel Value of Purchase)					
Crab	Red King (\$0.00/lb.)	0			
	Brown/Blue King (\$3.202/lb.)	296,380			
	Bairdi (\$2.191/lb.)	4,357,772			
	Opilio (\$0.00/lb.)	0			
Grdfish	Dungeness (\$0.881/lb.)	0			
	Pollock (\$0.154/lb.)	1,019			
	Pacific Cod (\$0.255/lb.)	0			
	Soles (\$0.00/lb.)	0			
	Flounders (\$0.105/lb.)	102,667			
Salmon	Misc. Groundfish (\$0.299/lb.)	202,696			
	Chinook (\$2.193/lb.)	1,239,353			
	Sockeye (\$1.692/lb.)	0			
	Coho (\$1.166/lb.)	0			
	Pink (\$0.230/lb.)	0			
	Chum (\$0.482/lb.)	0			
Herring	Spawn On Kelp (\$5.406/lb.)	533,107			
	Food/Bait (\$0.137/lb.)	643,101			
	Sac Roe (\$0.238/lb.)	3,148,441			
Other	Misc. Shellfish (\$2.046/lb.)	1,202,025			
	Sablefish (\$1.008/lb.)	0			
	Halibut (\$0.989/lb.)	0			
	Shrimp (\$0.591/lb.)	522,456			
	Other Species (\$0.990/lb.)	39,872			
	SUB-TOTAL	12,288,890	\$12,288,890	75%	
Donations	Scholarships & Other Donations	5,949			
	"Wynn" Brindle Scholarships	10,357			
	SUB-TOTAL	16,306	\$16,306	0%	
TOTAL DIRECT EXPENDITURES			\$16,427,333	100%	
AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED			\$0.69		
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$41,068,333		

Chapter 9, Economic Impacts in Southeast Alaska

Table 9-3

Economic Impact of the Shoreside Processing Industry on Southeast Alaska during the Second Quarter, 1992

Employment	Avg. number of employees/month	1,208		Percent of Total
	Total Processing Payroll	5,766,709		
	Fringe benefits, workers com., etc. (30% of gross)	1,730,013		
	Airfare	364,278		
	SUB-TOTAL	7,861,000	\$7,861,000	11%
Purchases	Consumables	908,721		
	Services	324,997		
	Electric	160,924		
	Water	29,345		
	Sewer	20,257		
	Other	5,793		
	SUB-TOTAL	1,450,036	\$1,450,036	2%
Taxes	State Raw Fish	1,843,087		
	Local Raw Fish Tax			
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	1,843,087	\$1,843,087	3%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$0.00/lb.)	0		
	Brown/Blue King (\$3.202/lb.)	425,350		
	Bairdi (\$2.191/lb.)	0		
	Opilio (\$0.00/lb.)	0		
	Dungeness (\$0.881/lb.)	786,937		
Grdfish	Pollock (\$0.154/lb.)	0		
	Pacific Cod (\$0.255/lb.)	62,334		
	Soles (\$0.00/lb.)	0		
	Flounders (\$0.105/lb.)	102,667		
	Misc. Groundfish (\$0.299/lb.)	202,696		
Salmon	Chinook (\$2.193/lb.)	2,891,824		
	Sockeye (\$1.692/lb.)	13,669,984		
	Coho (\$1.166/lb.)	6,629,643		
	Pink (\$0.230/lb.)	2,649,446		
	Chum (\$0.482/lb.)	9,521,374		
Herring	Spawn On Kelp (\$5.406/lb.)	0		
	Food/Bait (\$0.137/lb.)	0		
	Sac Roe (\$0.238/lb.)	0		
Other	Misc. Shellfish (\$2.046/lb.)	1,202,025		
	Sablefish (\$1.008/lb.)	13,112,975		
	Halibut (\$0.989/lb.)	8,330,430		
	Shrimp (\$0.591/lb.)	522,456		
	Other Species (\$0.990/lb.)	39,872		
	SUB-TOTAL	60,150,013	\$60,150,013	84%
Donations	Scholarships & Other Donations	5,949		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	16,306	\$16,306	0%
	TOTAL DIRECT EXPENDITURES		\$71,320,443	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.99	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$178,301,107	

Table 9-4

Economic Impact of the Shoreside Processing Industry
on Southeast Alaska during the Third Quarter, 1992

Employment	Avg. number of employees/month	2,908		Percent of Total
	Total Processing Payroll	18,798,829		
	Fringe benefits, workers com., etc. (30% of gross)	5,639,649		
	Airfare	331,313		
	SUB-TOTAL	24,769,790	\$24,769,790	21%
Purchases	Consumables	2,764,846		
	Services	580,628		
	Electric	419,518		
	Water	92,554		
	Sewer	35,780		
	Other	23,623		
	SUB-TOTAL	3,916,949	\$3,916,949	3%
Taxes	State Raw Fish	2,695,557		
	Local Raw Fish Tax			
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	2,695,557	\$2,695,557	2%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$0.00/lb.)	0		
	Brown/Blue King (\$3.202/lb.)	86,579		
	Bairdi (\$2.191/lb.)	0		
	Opilio (\$0.00/lb.)	0		
	Dungeness (\$0.881/lb.)	2,360,810		
Grdfish	Pollock (\$0.154/lb.)	0		
	Pacific Cod (\$0.255/lb.)	62,334		
	Soles (\$0.00/lb.)	0		
	Flounders (\$0.105/lb.)	0		
	Misc. Groundfish (\$0.299/lb.)	202,696		
Salmon	Chinook (\$2.193/lb.)	2,891,824		
	Sockeye (\$1.692/lb.)	13,669,984		
	Coho (\$1.166/lb.)	26,518,572		
	Pink (\$0.230/lb.)	23,845,012		
	Chum (\$0.482/lb.)	9,521,374		
Herring	Spawn On Kelp (\$5.406/lb.)	0		
	Food/Bait (\$0.137/lb.)	0		
	Sac Roe (\$0.238/lb.)	0		
Other	Misc. Shellfish (\$2.046/lb.)	1,202,025		
	Sablefish (\$1.008/lb.)	3,278,244		
	Halibut (\$0.989/lb.)	4,291,434		
	Shrimp (\$0.591/lb.)	0		
	Other Species (\$0.990/lb.)	39,872		
	SUB-TOTAL	87,970,760	\$87,970,760	74%
Donations	Scholarships & Other Donations	5,949		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	16,306	\$16,306	0%
	TOTAL DIRECT EXPENDITURES		\$119,369,362	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$0.71	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$298,423,405	

Table 9-5

Economic Impact of the Shoreside Processing Industry
on Southeast Alaska during the Fourth Quarter, 1992

Employment	Avg. number of employees/month	869		
	Total Processing Payroll	4,915,207		
	Fringe benefits, workers com., etc. (30% of gross)	1,474,562		
	Airfare	205,556		
	SUB-TOTAL	6,595,325	\$6,595,325	57%
Purchases	Consumables	144,113		
	Services	169,515		
	Electric	157,251		
	Water	33,934		
	Sewer	26,920		
	Other	2,363		
	SUB-TOTAL	534,098	\$534,098	5%
Taxes	State Raw Fish	129,619		
	Local Raw Fish Tax			
	Other State Taxes (see Statewide Total)			
	SUB-TOTAL	129,619	\$129,619	1%
Fish (Ex-Vessel Value of Purchase)				
Crab	Red King (\$0.00/lb.)	0		
	Brown/Blue King (\$3.202/lb.)	71,850		
	Bairdi (\$2.191/lb.)	0		
	Oplio (\$0.00/lb.)	0		
	Dungeness (\$0.881/lb.)	786,937		
Grdfish	Pollock (\$0.154/lb.)	0		
	Pacific Cod (\$0.255/lb.)	62,334		
	Soles (\$0.00/lb.)	0		
	Flounders (\$0.105/lb.)	102,667		
	Misc. Groundfish (\$0.299/lb.)	202,696		
Salmon	Chinook (\$2.193/lb.)	1,239,353		
	Sockeye (\$1.692/lb.)	0		
	Coho (\$1.166/lb.)	0		
	Pink (\$0.230/lb.)	0		
	Chum (\$0.482/lb.)	0		
Herring	Spawn On Kelp (\$5.406/lb.)	0		
	Food/Bait (\$0.137/lb.)	0		
	Sac Roe (\$0.238/lb.)	0		
Other	Misc. Shellfish (\$2.046/lb.)	1,202,025		
	Sablefish (\$1.008/lb.)	0		
	Halibut (\$0.989/lb.)	0		
	Shrimp (\$0.591/lb.)	522,456		
	Other Species (\$0.990/lb.)	39,872		
	SUB-TOTAL	4,230,190	\$4,230,190	37%
Donations	Scholarships & Other Donations	5,949		
	"Wynn" Brindle Scholarships	10,357		
	SUB-TOTAL	16,306	\$16,306	0%
	TOTAL DIRECT EXPENDITURES		\$11,505,538	100%
	AVERAGE DIRECT EXPENDITURE PER POUND PROCESSED		\$2.35	
TOTAL ECONOMIC IMPACT (\$1.50 generated for every \$1 spent directly)			\$28,763,846	

Table 9-6

**1992 Purchases of Fish and Shellfish in Southeast Alaska
by the Shoreside Processing Industry (by quarter, in pounds)**

	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total
Red King Crab	0	0	0	0	0
Brown/Blue King Crab	92,561	132,839	27,039	22,439	274,878
Bairdi Tanner Crab	1,988,942	0	0	0	1,988,942
Opilio Tanner Crab	0	0	0	0	0
Dungeness Crab	0	893,231	2,679,693	893,231	4,466,155
Pollock	6,614	0	0	0	6,614
Pacific Cod	0	244,446	244,446	244,446	733,338
Sole	0	0	0	0	0
Flounders	977,784	977,784	0	977,784	2,933,353
Misc. Groundfish	677,915	677,915	677,915	677,915	2,711,658
Chinook Salmon	565,141	1,318,661	1,318,661	565,141	3,767,604
Sockeye Salmon	0	8,079,187	8,079,187	0	16,158,373
Coho Salmon	0	5,685,800	22,743,201	0	28,429,001
Pink Salmon	0	11,519,330	103,673,966	0	115,193,295
Chum Salmon	0	19,753,889	19,753,889	0	39,507,777
Herring Spawn-on-Kelp	98,614	0	0	0	98,614
Herring Food & Bait	4,694,168	0	0	0	4,694,168
Herring Sac Roe	13,228,744	0	0	0	13,228,744
Misc. Shellfish	587,500	587,500	587,500	587,500	2,350,000
Sablefish	0	13,008,904	3,252,226	0	16,261,130
Halibut	0	8,423,084	4,339,164	0	12,762,248
Shrimp	884,020	884,020	0	884,020	2,652,059
Other Species	0	0	0	0	0
Total	23,802,002	72,186,588	167,376,886	4,852,475	268,217,950