

# UNIVERSITY OF ALASKA FAIRBANKS

## MARINE ADVISORY PROGRAM



**CRAIG WIESE**

Associate Professor of Fisheries  
Business Specialist

Carlton Trust Building, 110  
2221 East Northern Lights Blvd.  
Anchorage, Alaska 99508-4131

(907) 274-9691



**Charles E. Graham, PhD., DSc.**

*Professor of Reproductive Biology*

Director

Office of Sponsored Programs

**U** NIVERSITY OF **A** LASKA **F** AIRBANKS

301 Signers' Hall • Fairbanks, Alaska 99775  
Telephone: (907) 474-7937 • FAX (907) 474-7225

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**KODIAK WORKSHOP ON MEASURING IMPACTS ON  
ECONOMIC DEVELOPMENT PROJECTS**

**February 6-7, 1992**

**Kodiak, Alaska**

**ALASKA FISHERIES ECONOMIC ASSESSMENT MODEL  
(AFEAM)**

**Sample Input and Output Information**

**Craig Wiese  
University of Alaska  
Marine Advisory Program**

# 1986 KODIAK INVENTORY

## LANDINGS TO KODIAK PROCESSORS

State : Alaska  
Port : Kodiak

Change

Species - PS/GN Pink Salmon	Landed Wt :	17,468,428	
Species - PS/GN Sockeye Salmon	Landed Wt :	9,054,886	
Species - PS/GN Chum Salmon	Landed Wt :	6,107,421	
Species - PS/GN Coho Salmon	Landed Wt :	736,070	
Species - PS/GN King salmon	Landed Wt :	63,841	
Species - Troll Pink Salmon	Landed Wt :	0	
Species - Troll Sockeye Salmon	Landed Wt :	0	
Species - Troll Chum Salmon	Landed Wt :	0	
Species - Troll Coho Salmon	Landed Wt :	0	
Species - Troll King Salmon	Landed Wt :	0	
Species - Pink Cannery Salmon	Landed Wt :	26,202,644	
Species - Sockeye Cannery Sal.	Landed Wt :	3,880,666	
Species - Chum Cannery Salmon	Landed Wt :	2,617,466	
Species - Halibut (Dr/Hd-Off)	Landed Wt :	11,473,701	Y/N N

F1 - Prev Menu

F2 - Finished

State : Alaska  
Port : Kodiak

Change

Species - BlackCod (Dr/Hd-Off)	Landed Wt :	6,623,500	
Species - True Cod (fillet)	Landed Wt :	12,735,715	
Species - Pollock (fillet)	Landed Wt :	31,384,442	
Species - Pollock (surimi)	Landed Wt :	40,800,000	
Species - Pink Shrimp	Landed Wt :	0	
Species - Shrimp (Large Prawn)	Landed Wt :	0	
Species - Scallops	Landed Wt :	180,000	
Species - Clams	Landed Wt :	0	
Species - Herring Roe	Landed Wt :	3,110,552	
Species - Herring Roe on Kelp	Landed Wt :	0	
Species - King Crab	Landed Wt :	205,382	
Species - Bairdi Tanner Crab	Landed Wt :	8,971,640	
Species - Dungeness Crab	Landed Wt :	965,092	
Species - Herring, Bait	Landed Wt :	499,754	Y/N N

F1 - Prev Menu

F2 - Finished

# 1986 KODIAK INVENTORY

## Alaska - Kodiak Port Processor Inventory

## PROCESSORS

1 = Large Fr/Frz/Cn	5
2 = Medium Fresh/Frozen	7
3 = Small Fresh/Frozen	6
4 = Buying Station 1	0
5 = Large Cannery	0
6 = Medium Cannery	0
7 = Floating Processor	0
8 = Floating Packer	0
9 = large fr/frz/surimi	0
10 = Medium fr/frz/surimi	0
11 = Large S.E. Frsh/Frz.	0
12 = Medium SE Fresh/Frz.	0
13 = Small SE Fresh/Frz.	0

Line to change (0-13) \_\_\_

## Alaska - Kodiak Port Vessel Inventory

## RESIDENT FISHERMEN FISHING LOCALLY

1 = Purse Seine	98	11 = Tender/LL/Crab	50
2 = Purse Seine/S.E.	0	12 = Comb(Drag/Crab/LL)	24
3 = Gillnet (Kodiak/set)	77	13 = Troller (power)	0
4 = Gillnet (P.W.)	0	14 = Troller (hand)	0
5 = Gillnet (Bristol B.)	0	15 = Other(dredge, etc.)	2
6 = Gillnet (S.W.)	0	16 = King Crab Vessel	5
7 = Set Net	0	17 = Pots (crab/shrimp)	0
8 = Beach Seine	4	18 = Aquaculture	0
9 = Longline (large)	35	19 = Large Trawler/JV	12
10 = Comb(LLine/Troll)	0	20 = Factory Trawler	0

Line to change (0-20) \_\_\_

- 1 = Large Fr/Frz/Cn
- 2 = Medium Fresh/Frozen
- 3 = Small Fresh/Frozen
- 4 = Buying Station 1
- 5 = Large Cannery
- 6 = Medium Cannery
- 7 = Floating Processor
- 8 = Floating Packer
- 9 = large fr/frz/surimi
- 10 = Medium fr/frz/surimi
- 11 = Large S.E. Frsh/Frz.
- 12 = Medium SE Fresh/Frz.
- 13 = Small SE Fresh/Frz.

Processor Number (0-13) \_\_\_

## FIXED COSTS

Processor Number		1
1 = Type		<u>Large Fr/Frz/Cn</u>
2 = Market Value		3500000.00
3 = Minimum # Employees		125
4 = Maximum # Employees		250
5 = Number of Species Processed		20
6 = Fraction of plant operation		1.00
7 = Admin Salaries	600000.00	
8 = Maintenance & Repairs	200000.00	
9 = Utilities	100000.00	
10 = Telephone	60000.00	
11 = Insurance	60000.00	
12 = Taxes	35000.00	
13 = Supplies	55000.00	
14 = Miscellaneous	60000.00	
15 = Interest Expense	0.00	
16 = Depreciation	0.00	

Line to Change (0-16) \_\_\_

# 1986 KODIAK PROCESSOR DATA INPUTS

## FIXED COSTS (cont.)

Processor Number	2
1 = <u>Type</u>	<u>Medium Fresh/Frozen</u>
2 = Market Value	2000000.00
3 = Minimum # Employees	60
4 = Maximum # Employees	100
5 = <u>Number of Species Processed</u>	<u>20</u>
6 = Fraction of plant operation	1.00
7 = Admin Salaries	300000.00
8 = Maintenance & Repairs	100000.00
9 = Utilities	80000.00
10 = Telephone	40000.00
11 = Insurance	40000.00
12 = Taxes	20000.00
13 = Supplies	30000.00
14 = Miscellaneous	30000.00
15 = Interest Expense	0.00
16 = Depreciation	0.00

Line to Change (0-16) \_\_\_

Processor Number	3
1 = <u>Type</u>	<u>Small Fresh/Frozen</u>
2 = Market Value	1000000.00
3 = Minimum # Employees	10
4 = Maximum # Employees	50
5 = Number of Species Processed	20
6 = Fraction of plant operation	1.00
7 = Admin Salaries	100000.00
8 = Maintenance & Repairs	30000.00
9 = Utilities	30000.00
10 = Telephone	20000.00
11 = Insurance	20000.00
12 = Taxes	10000.00
13 = Supplies	20000.00
14 = Miscellaneous	10000.00
15 = Interest Expense	0.00
16 = Depreciation	0.00

Line to Change (0-16) \_\_\_

- |                          |                           |                           |
|--------------------------|---------------------------|---------------------------|
| 1 = PS/GN Pink Salmon    | 12 = Sockeye Cannery Sal. | 23 = Herring Roe          |
| 2 = PS/GN Sockeye Salmon | 13 = Chum Cannery Salmon  | 24 = Herring Roe on Kelp  |
| 3 = PS/GN Chum Salmon    | 14 = Halibut (Dr/Hd-Off)  | 25 = King Crab            |
| 4 = PS/GN Coho Salmon    | 15 = BlackCod (Dr/Hd-Off) | 26 = Bairdi Tanner Crab   |
| 5 = PS/GN King salmon    | 16 = True Cod (fillet)    | 27 = Dungeness Crab       |
| 6 = Troll Pink Salmon    | 17 = Pollock (fillet)     | 28 = Herring, Bait        |
| 7 = Troll Sockeye Salmon | 18 = Pollock (surimi)     | 29 = Rockfish             |
| 8 = Troll Chum Salmon    | 19 = Pink Shrimp          | 30 = Flatfish             |
| 9 = Troll Coho Salmon    | 20 = Shrimp (Large Prawn) | 31 = Aqua. Enhancement FF |
| 10 = Troll King Salmon   | 21 = Scallops             | 32 = Opilio Tanner Crab   |
| 11 = Pink Cannery Salmon | 22 = Clams                |                           |

Species Number (0-32) \_

VARIABLE COSTS  
(BY SPECIES)

Species Number	1
1 = Species Name	PS/GN Pink Salmon
2 = Landed Price	0.3800
3 = Yield of Processed Product	0.7500
Raw Product Price	0.5066
4 = Process Labor Cost	0.1800
5 = Other Process Costs - a	0.0500
6 = Other Process Costs - b	0.1900
7 = Fish Taxes	0.0100
8 = Sales Price of Processed Product	1.1000
9 = Bad Debt Factor	0.0050
Bad Debt Expense	0.0055
Variable Cost of Processed Product	0.9421
Contribution Margin of Proc. Product	0.1578

Line to Change (0-9) \_



1986 KODIAK

PROCESSOR DATA INPUT

## VARIABLE COSTS (CONT.)

Species Number	14
1 = Species Name	Halibut (Dr/Hd-Off)
2 = Landed Price	1.4800
3 = Yield of Processed Product	0.9800
Raw Product Price	1.5102
4 = Process Labor Cost	0.1000
5 = Other Process Costs - a	0.0000
6 = Other Process Costs - b	0.1600
7 = Fish Taxes	0.0400
8 = Sales Price of Processed Product	2.2000
9 = Bad Debt Factor	0.0050
Bad Debt Expense	0.0110
Variable Cost of Processed Product	1.8212
Contribution Margin of Proc. Product	0.3787

Line to Change (0-9) \_

Species Number	26
1 = Species Name	Bairdi Tanner Crab
2 = Landed Price	1.8000
3 = Yield of Processed Product	0.6500
Raw Product Price	2.7692
4 = Process Labor Cost	0.2500
5 = Other Process Costs - a	0.0500
6 = Other Process Costs - b	0.1600
7 = Fish Taxes	0.0800
8 = Sales Price of Processed Product	4.1000
9 = Bad Debt Factor	0.0050
Bad Debt Expense	0.0205
Variable Cost of Processed Product	3.3297
Contribution Margin of Proc. Product	0.7702

Line to Change (0-9) \_

1986 KODIAK

# PROCESSOR DATA INPUT

## DISTRIBUTION OF EXPENSES-LOCALITY

Alaska - Kodiak

Processor Category Distribution  
Local      Washington      Oregon      Alaska

Processor Variable Expenses :		Local	Washington	Oregon	Alaska
1 = Raw Product Cost		100	0	0	0
2 = Direct Processing Labor		30	50	3	17
3 = Other Variable - Packaging		20	70	3	7
4 = Other Variable Expenses		60	20	3	17
5 = Fish Taxes		50	0	0	50
6 = Bad Debt Expenses		20	80	0	0
Processor Fixed Expenses :					
7 = Admin Salaries		80	20	0	0
8 = Maintenance & Repairs		50	30	0	20
9 = Utilities		100	0	0	0
10 = Telephone		100	0	0	0
11 = Insurance		0	100	0	0
12 = Taxes		100	0	0	0
13 = Supplies		50	30	0	20
14 = Miscellaneous		70	30	0	0
15 = Interest Expense		0	100	0	0
16 = Operating Income	:	20	80	0	0

Line to change (1-16) \_\_\_\_\_  
F1 - Prev Menu      F2 - Batch Column Change

Species : PS/GN Pink Salmon      Landed Weight      17,468,428

Processors	No.	Percent
1 = Large Fr/Frz/Cn	5	50 %
2 = Medium Fresh/Frozen	7	40 %
3 = Small Fresh/Frozen	6	10 %

DISTRIBUTION OF  
LANDINGS, BY SPECIES,  
TO EACH PROCESSOR TYPE

Total Percent      100 %

Line to change (0-3) \_\_\_\_\_

F1 - Prev Menu      F2 - Finished

# 1986 KODIAK - VESSEL DATA INPUT

- 1 = Purse Seine
- 2 = Purse Seine/S.E.
- 3 = Gillnet (Kodiak/set)
- 4 = Gillnet (P.W.)
- 5 = Gillnet (Bristol B.)
- 6 = Gillnet (S.W.)
- 7 = Set Net
- 8 = Beach Seine
- 9 = Longline (large)
- 10 = Comb(LLine/Troll)
- 11 = Tender/LL/Crab
- 12 = Comb(Drag/Crab/LL)
- 13 = Troller (power)
- 14 = Troller (hand)
- 15 = Other(dredge, etc.)
- 16 = King Crab Vessel
- 17 = Pots (crab/shrimp)
- 18 = Aquaculture
- 19 = Large Trawler/JV
- 20 = Factory Trawler

Fishing Vessel Number (0-20)     

## OPERATING COSTS

Fishing Vessel Number	1		
1	Type	Purse Seine	
2	Market Value	200000.00	
3	Days per year fishing	150	
4	Number of crew	3	
5	Number of different species	15	
6	Vessel & Engine Replacement	0.0000	9500.00
7	Gear Replacement	0.0000	3500.00
8	Fuel & Lubricants	0.0000	9000.00
9	Food & Supplies	0.0000	4500.00
10	Ice & Bait	0.0000	2000.00
11	Dues & Fees	0.0000	7000.00
12	Transportation	0.0000	4500.00
13	Miscellaneous	0.0000	3200.00
14	Crew Shares	0.4499	0.00
15	Insurance	13000.00	
16	Moorage	2000.00	
17	Interest Expenses	0.00	
18	Depreciation	0.00	
19	Licensing	300.00	
20	Miscellaneous	2000.00	

Line to Change (0-20)

# 1986 KODIAK VESSEL DATA INPUT

Species : PS/GN Pink Salmon

Landed Weight 17,468,428

Vessels	No.	Pct
1 = Purse Seine	98	40 %
2 = Gillnet (Kodiak/set)	77	12 %
3 = Beach Seine	4	1 %
4 = Tender/LL/Crab	50	47 %

DISTRIBUTION OF  
LANDINGS BY VESSEL  
TYPE

Total Percent 100 %

Line to change (0-4) \_

F1 - Prev Menu

F2 - Finished

Species : Halibut(Dr/Hd-Off)

Landed Weight 11,473,701

Vessels	No.	Pct
1 = Purse Seine	98	20 %
2 = Longline (large)	35	35 %
3 = Tender/LL/Crab	50	30 %
4 = Comb(Drag/Crab/LL)	24	15 %

Total Percent 100 %

Line to change (0-4) \_

F1 - Prev Menu

F2 - Finished

# 1986 KODIAK VESSEL DATA INPUT

## Alaska - Kodiak

## Vessel Category Distribution Local Washington Oregon Alaska

### Vessel Variable Expenses :

	Local	Washington	Oregon	Alaska
1 = Vessel & Engine Replacement	40	40	3	17
2 = Gear Replacement	40	40	3	17
3 = Fuel & Lubricants	80	10	3	7
4 = Food & Supplies	70	20	3	7
5 = Ice & Bait	100	0	0	0
6 = Dues & Fees	50	20	3	27
7 = Transportation	50	40	3	7
8 = Miscellaneous	70	20	3	7
9 = Crew Shares	65	20	2	13

### Vessel Fixed Expenses :

	Local	Washington	Oregon	Alaska
10 = Insurance	40	40	3	17
11 = Moorage	100	0	0	0
12 = Interest Expenses	0	90	3	7
13 = Depreciation	0	0	0	100
14 = Licensing	50	0	0	50
15 = Miscellaneous	70	20	3	7
16 = Operating Income	65	20	2	13

Line to change (1-16) \_\_\_\_\_

F1 - Prev Menu

F2 - Batch Column Change

DISTRIBUTION OF VESSEL EXPENDITURES  
BY LOCALITY - WITHIN AND OUTSIDE OF ALASKA

Comment : 1986 \*\*DRAFT ONLY\*\*

State : Alaska  
Fishing Port : Kodiak  
Type of Fishing Vessel : Longline (large)  
Market Value : \$400,000.00  
Days per year fishing : 90 days  
Skipper 5 crew

Total species of fish : 5

Species Name	Landed Weight	Price	Total Value
Halibut (Dr/Hd-Off)	114737.0	\$1.48	\$169,810.78
BlackCod (Dr/Hd-Off)	113545.7	\$1.00	\$113,545.71
King Crab	293.4	\$3.37	\$988.76
Bairdi Tanner Crab	12816.6	\$1.80	\$23,069.93
Rockfish	5198.2	\$1.00	\$5,198.25
Totals	246591.0		\$312,613.44

Variable Expenses

Vessel & Engine Replacement	\$12,000.00
Gear Replacement	\$18,000.00
Fuel & Lubricants	\$16,000.00
Food & Supplies	\$14,000.00
Ice & Bait	\$20,000.00
Dues & Fees	\$2,000.00
Transportation	\$2,500.00
Miscellaneous	\$1,000.00
Crew Shares	\$146,897.07

Total Variable Expenses \$232,397.07

Fixed Expenses

Insurance	\$20,000.00
Moorage	\$2,000.00
✓ Interest Expenses	\$0.00
✓ Depreciation	\$0.00
Licensing	\$800.00
Miscellaneous	\$10,000.00

Total Fixed Expenses \$32,800.00

Total Expenses \$265,197.07

Net Income \$47,416.39

Comment : 1986 \*\*DRAFT ONLY\*\*

Type of Processor : Medium Fresh/Frozen

Market Value : \$2,000,000.00

Employees for normal operation : 60-100

Species Name	Landed Weight	Yield	Price	Total Value
PS/GN Pink Salmon	998195.8	748646.8	\$1.10	\$823,511.56
PS/GN Sockeye Salmon	517422.0	403589.2	\$2.67	\$1,077,583.25
PS/GN Coho Salmon	42061.1	32807.6	\$1.85	\$60,694.23
PS/GN King salmon	3648.0	2918.4	\$2.50	\$7,296.06
PS/GN Chum Salmon	348995.5	272216.5	\$1.39	\$381,103.09
Scallops	25714.2	25714.2	\$5.50	\$141,428.48
Herring Roe	133309.3	130643.1	\$0.80	\$104,514.53
Herring, Bait	35696.7	35696.7	\$0.34	\$12,493.83
Halibut(Dr/Hd-Off)	491730.0	481895.4	\$2.20	\$1,060,170.00
BlackCod (Dr/Hd-Off)	378485.7	370916.0	\$1.62	\$600,883.93
True Cod (fillet)	727755.1	174661.2	\$1.60	\$279,457.96
Pollock (fillet)	1793396.6	358679.3	\$1.10	\$394,547.25
Rockfish	38986.8	38207.1	\$1.60	\$61,131.42
Flatfish	1949.3	1228.0	\$0.89	\$1,105.28
King Crab	8802.0	5633.3	\$6.34	\$35,771.64
Bairdi Tanner Crab	384498.8	249924.2	\$4.09	\$1,024,689.37
Dungeness Crab	41361.0	37224.9	\$2.25	\$83,756.15
Totals	5972008.7	3370602.6		\$6,150,138.09

#### Variable Expenses

Raw Product Cost	\$3,767,740.00
Direct Processing Labor	\$596,263.00
Other Variable - Packaging	\$155,159.67
Other Variable Expenses	\$598,207.93
Other Variable Expenses	\$97,546.37
Bad Debt Expenses	\$30,160.12

Total Variable Expenses

\$5,245,077.00

#### Fixed Expenses

Admin Salaries	\$300,000.00
Maintenance & Repairs	\$100,000.00
Utilities	\$80,000.00
Telephone	\$40,000.00
Insurance	\$40,000.00
Taxes	\$20,000.00
Supplies	\$30,000.00
Miscellaneous	\$30,000.00
✓ Interest Expense	\$0.00
✓ Depreciation	\$0.00

Total Fixed Expenses

\$640,000.00

Total Expenses

\$5,885,077.00

Net Income

\$265,061.09

## Local Distribution

Comment : 1986 \*\*DRAFT ONLY\*\*

State : Alaska

Port : Kodiak

## Total Port Landings in Pounds

Species Name	Total Weight
=====	=====
PS/GN Pink Salmon	17,468,428
PS/GN Sockeye Salmon	9,054,886
PS/GN Chum Salmon	6,107,421
PS/GN Coho Salmon	736,070
PS/GN King salmon	63,841
Pink Cannery Salmon	26,202,644
Sockeye Cannery Sal.	3,880,666
Chum Cannery Salmon	2,617,466
Halibut (Dr/Hd-Off)	11,473,701
BlackCod (Dr/Hd-Off)	6,623,500
True Cod (fillet)	12,735,715
Pollock (fillet)	31,384,442
Pollock (surimi)	40,800,000
Scallops	180,000
Herring Roe	3,110,552
King Crab	205,382
Bairdi Tanner Crab	8,971,640
Dungeness Crab	965,092
Herring, Bait	499,754
Rockfish	909,694
Flatfish	45,485



1986 KODIAK

• INDUCED INCOME FROM HOUSEHOLD EXPENDITURES BY FISHING INDUSTRY AND SUPPORT INDUSTRY PEOPLE.

• CUMULATIVE INCOME IMPACT- DIRECT, INDIRECT, INDUCED  
Local Sectors Impacted BY Household Expenditures:

IMPLAN SECTOR	IMPLAN #	% of Local Consumer Expend.	Local \$ Impact
Retail Trade	433	25.44	\$4,693,833
Owner Occupied Dwellings	439	20.37	\$3,760,232
Eating & Drinking Places	447	9.82	\$1,813,694
Wholesale Trade	432	6.65	\$1,226,965
Doctors and Dentists	451	5.82	\$1,075,670
Automobile Repair	448	3.27	\$605,180
Banking	434	3.25	\$601,490
Real Estate	440	2.77	\$512,927
Communications	427	2.26	\$418,829
Personal Services	442	1.97	\$363,477
Gas Prod. & Distrib.	430	1.74	\$321,040
Other Medical & Health	463	1.59	\$293,365
Motor Freight Transp.	432	1.52	\$282,294
Misc. Professional	446	1.44	\$265,689
Amusement & Recreation	450	1.25	\$230,633
Hotels and Lodging	441	1.12	\$206,647
Canned Fruit and Veg.	70	0.87	\$160,520
Non Profit Organizations	455	0.81	\$149,450
Other State & Local Srvc	464	0.74	\$136,534
Beauty & Barber Shops	443	0.72	\$132,844
Local Passenger Service	421	0.69	\$129,154
Bottled & Soft Drinks	92	0.55	\$101,478
U.S. Postal Service	458	0.52	\$97,788
Newspapers	176	0.50	\$94,098
Motion Pictures	449	0.44	\$83,028
Boat & Building Repair	384	0.40	\$73,802
Insurance Carriers	437	0.37	\$68,267
Other Local Purchases	---	2.99	\$551,673
Total Local Purchases		100.00	\$18,450,601

TOTAL COMMUNITY IMPACT FROM FISHING AND PROCESSING ACTIVITIES

\$80,738,185

1700

NOTICE

- RESIDENT VESSEL OWNER, CREW, PROCESSING OWNER/EMPLOYEE INCOM
- WAGES/SALARIES (INSURANCE CLAIMS) - SUPPORT BUSINESSES

Community Sectors Effected by Fisheries Landings:

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Direct and Indirect Local Sectors Impacted by Fishing and Processing Activities:

Vessel and Engine Repair	\$144,823
Gear Replacement	\$112,669
Fuel and Lubricants	\$207,548
Food and Supplies	\$359,789
Ice and Bait	\$1,069,996
Dues and Fees	\$212,590
Transportation and Freight	\$161,635
Insurance	\$1,320,602
Moorage	\$222,728
Plant Maintenance and Repair	\$296,856
Utilities	\$91,070
Interest Expense	\$0
Telephone	\$91,070
Government (licenses & taxes)	\$519,459
Miscellaneous	\$1,422,441
Indirect Sectors	\$476,156
 Subtotal for Fishing & Processing	 \$6,709,432
 Total Actual Household Income of Vessel and Processor Owners and Employees	 \$55,578,152

1986

## KODIAK DISTANT WATER FLEET

16

## LANDINGS

Local Distribution

Comment : 1986 KOD-D/W DRAFT

State : Alaska

Port : Kodiak/D-W Fleet

## Total Port Landings in Pounds

Species Name	Total Weight
=====	=====
PS/GN Pink Salmon	5,277,055
PS/GN Sockeye Salmon	2,194,413
PS/GN Chum Salmon	1,071,085
PS/GN Coho Salmon	156,744
PS/GN King salmon	7,838
Halibut (Dr/Hd-Off)	6,000,000
BlackCod (Dr/Hd-Off)	2,687,132
Pollock (fillet)	16,000,000
Pink Shrimp	395,025
Shrimp (Large Prawn)	3,314
Scallops	100,000
Clams	19,507
Herring Roe	8,979,590
King Crab	4,034,000
Bairdi Tanner Crab	5,800,000
Dungeness Crab	2,000,000
Herring, Bait	400,000

## 1986 KODIAK DISTANT WATER FLEET

11

• VESSEL OWNER AND CREW NET INCOME

• WAGES/SALARIES (AND INSURANCE CLAIMS) - SUPPORT INDUSTRIES

Community Sectors Effected by Fisheries Landings:  
-----Direct and Indirect Local Sectors Impacted by  
Fishing and Processing Activities:

Vessel and Engine Repair	\$48,148
Gear Replacement	\$39,992
Fuel and Lubricants	\$42,319
Food and Supplies	\$28,128
Ice and Bait	\$0
Dues and Fees	\$30,252
Transportation and Freight	\$17,786
Insurance	\$704,435
Moorage	\$44,834
Plant Maintenance and Repair	\$0
Utilities	\$0
Interest Expense	\$0
Telephone	\$0
Government (licenses & taxes)	\$15,034
Miscellaneous	\$368,377
Indirect Sectors	\$98,650

Subtotal for Fishing & Processing	\$1,437,955
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Total Actual Household Income of Vessel and Processor Owners and Employees	\$31,638,102
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- WAGES/SALARIES (LOCAL) RESULTING FROM CONSUMER SPENDING BY PEOPLE WHO WORK IN THE FISHING INDUSTRY AND BY PEOPLE WORKING IN SUPPORT BUSINESSES (INDUCED IMPACT)
- CUMULATIVE INCOME IMPACT - DIRECT, INDIRECT, INDUCED  
Local Sectors Impacted BY Household Expenditures:

IMPLAN SECTOR	IMPLAN #	% of Local Consumer Expend.	Local \$ Impact
Retail Trade	433	25.44	\$2,547,631
Owner Occupied Dwellings	439	20.37	\$2,040,909
Eating & Drinking Places	447	9.82	\$984,403
Wholesale Trade	432	6.65	\$665,949
Doctors and Dentists	451	5.82	\$583,832
Automobile Repair	448	3.27	\$328,468
Banking	434	3.25	\$326,465
Real Estate	440	2.77	\$278,397
Communications	427	2.26	\$227,324
Personal Services	442	1.97	\$197,281
Gas Prod. & Distrib.	430	1.74	\$174,248
Other Medical & Health	463	1.59	\$159,227
Motor Freight Transp.	432	1.52	\$153,218
Misc. Professional	446	1.44	\$144,206
Amusement & Recreation	450	1.25	\$125,178
Hotels and Lodging	441	1.12	\$112,160
Canned Fruit and Veg.	70	0.87	\$87,124
Non Profit Organizations	455	0.81	\$81,116
Other State & Local Srvc	464	0.74	\$74,106
Beauty & Barber Shops	443	0.72	\$72,103
Local Passenger Service	421	0.69	\$70,100
Bottled & Soft Drinks	92	0.55	\$55,078
U.S. Postal Service	458	0.52	\$53,076
Newspapers	176	0.50	\$51,073
Motion Pictures	449	0.44	\$45,064
Boat & Building Repair	384	0.40	\$40,057
Insurance Carriers	437	0.37	\$37,053
Other Local Purchases	---	2.99	\$299,427
Total Local Purchases		100.00	\$10,014,273

TOTAL COMMUNITY IMPACT FROM FISHING AND PROCESSING ACTIVITIES

\$43,090,330