

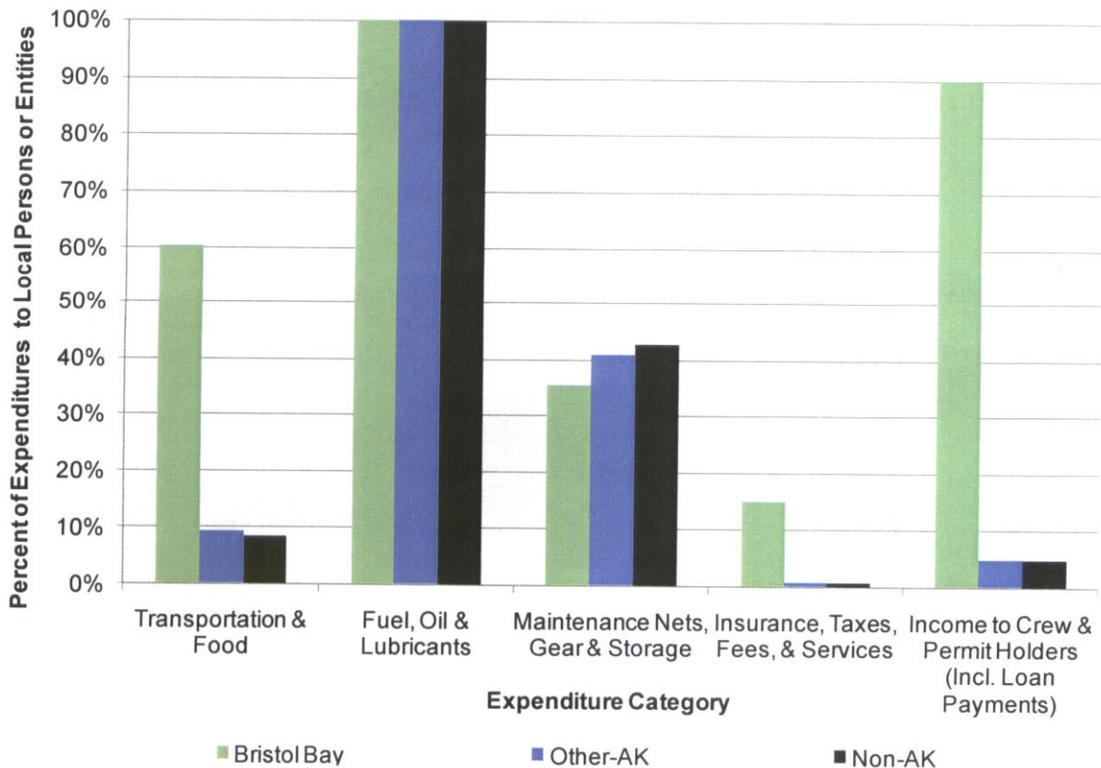
10 Economic Contribution of the Fishery in the Bristol Bay Region

In this section, we estimate the economic contribution (multiplier effects) from salmon harvests in Bristol Bay. It should be noted that salmon processing in the region also creates significant levels of economic activity but has been excluded from this study in order to keep the focus on the harvesting sector. We have, however, included the economic contribution of fish taxes to the local economy.

Economic contributions are measured using an input-output model called IMPLAN. The model starts with the total revenues for harvesters and assumes that all revenues are spent on operating costs, or crew payments and income to the permit holders. Local expenditure through purchases used in the fishing operation, through household expenditures of local crew and permit holders, and through expenditures of tax revenues by the local government ripple through the local economy and create additional economic activity or multiplier effects. In the Bristol Bay Region, the multiplier effects are relatively small because very few of the goods and services are produced locally.

The figure below shows our assumptions regarding local expenditures as a percent of total expenditures by category for permit holders in both set and drift gillnet fisheries by region. For example, we assume that 60 percent of transportation and food costs of permit holders residing in the Bristol Bay region are purchased locally, but less than 10 percent of transportation and food costs of permit holders from other regions are made locally. We also assume that while 100 percent of fuel purchases are made within the region, the economic impact is quite small consisting only of the mark-up over the costs of goods sold. Finally, we assume that after deducting 10 percent for federal income taxes, the remainders of payments to local crew and revenues to local permit holders are spent by households within the region.

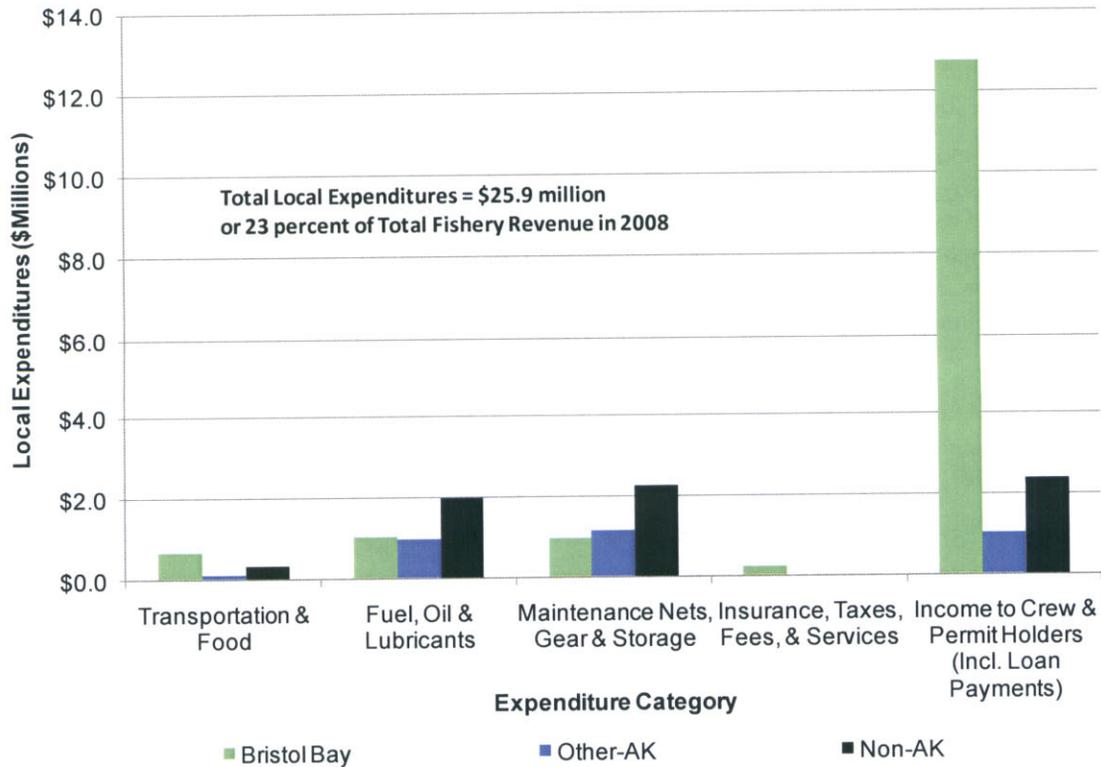
Figure 94. Local Expenditure Percentage in each Cost Category by Permit Holder Region in 2008



Source: Figure developed by Northern Economics from discussions with industry and professional experience.

This figure shows the total amount of local spending generated by the harvest of Bristol Bay salmon in the drift and set gillnet fisheries. The largest single contribution is clearly the income generated by local permit holders, which accounts for 49 percent of the \$25.9 million spent in local economy by fish harvesters. Of the \$110.6 million total revenue generated in 2008 Bristol Bay salmon fisheries, only 23 percent is estimated to be spent locally. It should be reiterated that the local expenditure coefficients were developed by Northern Economics based primarily on our knowledge of the fisheries and the local economy.

Figure 95. Total Local Expenditures from Harvesting Bristol Bay Salmon, by Permit Holder Region in 2008

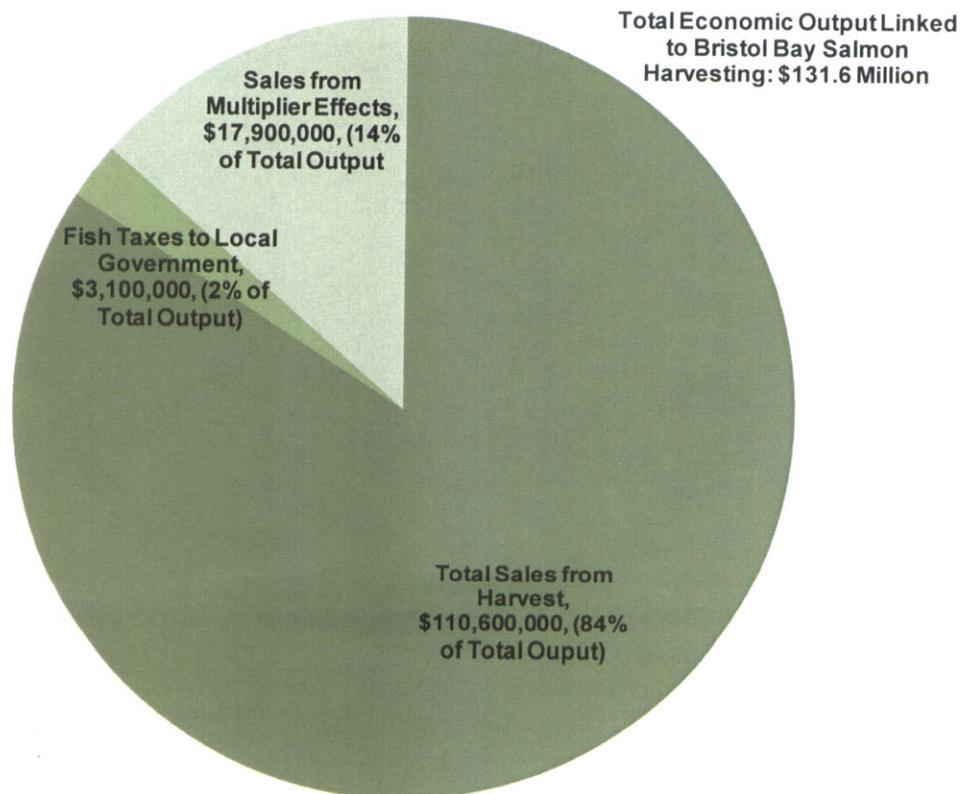


Source: Figure developed by Northern Economics based on discussions with industry, professional experience and on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003) as well as information from AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 2002) and (CFEC, 1980 - 2008).

The total economic output that can be directly linked to the harvesting of Bristol Bay Salmon is the sum of all of the sales of harvested salmon (total ex-vessel revenue), as well as all of the sales to harvesterstors that were made by suppliers operating in the region and all of fish taxes generated for local governments or passed through from the state, plus all of the multiplier effects on regional sales resulting from: 1) the local expenditures for harvesting inputs; 2) expenditures by local governments of fish taxes; and 3) household income generated by local crews and permit holders.

We estimated that local governments received \$3.1 million from fish taxes based on the most recent information available from ADCCED. We then ran the sum of local expenditures (as estimated earlier) and fish taxes through IMPLAN to generate the multiplier effect. We estimate that \$17.9 million is generated in the local economy through the multiplier effect. This brings the total economic contribution from the harvesting of Bristol Bay salmon to \$131.6 million. It should be reiterated that the value estimated here does not include the economic contributions from the salmon processing industry.

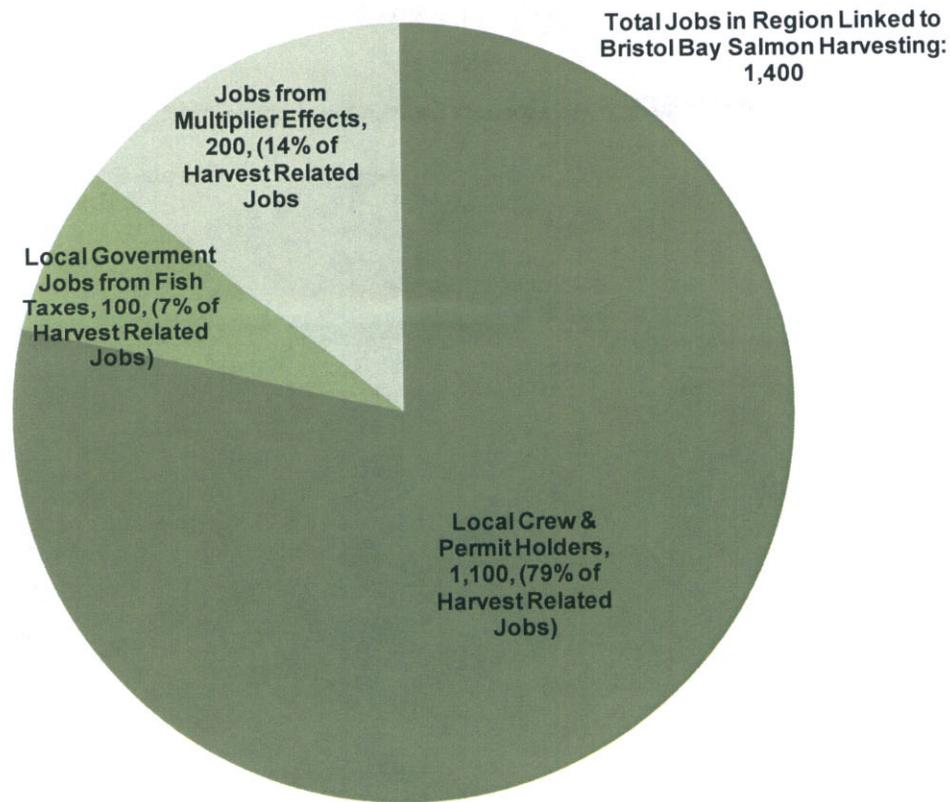
Figure 96. Estimated Total Regional Economic Contribution from Bristol Bay Salmon Harvesting, 2008



Source: Figure developed by Northern Economics based on discussions with industry, professional experience and on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003) as well as data and information from (IMPLAN, 2008), AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 2002) and (CFEC, 1980 - 2008).

The salmon fishery not only produces direct harvesting jobs (we estimate 1,100 local crew members and permit holders are employed), but the fishery also produces additional jobs in local government through fish taxes and in the region through the multiplier effect. Using IMPLAN we estimated the harvesting of salmon creates approximately 100 jobs in local governments and an additional 200 jobs in the region. Again, it should be noted that we have not included fish processing jobs or other indirect jobs created from the processing of salmon. We should also note that we have not included an estimate for direct crew members jobs created in the set net fishery—set net crew members do not need a crew license, and most often set net crew members are assumed to be members of the permit holder's family.

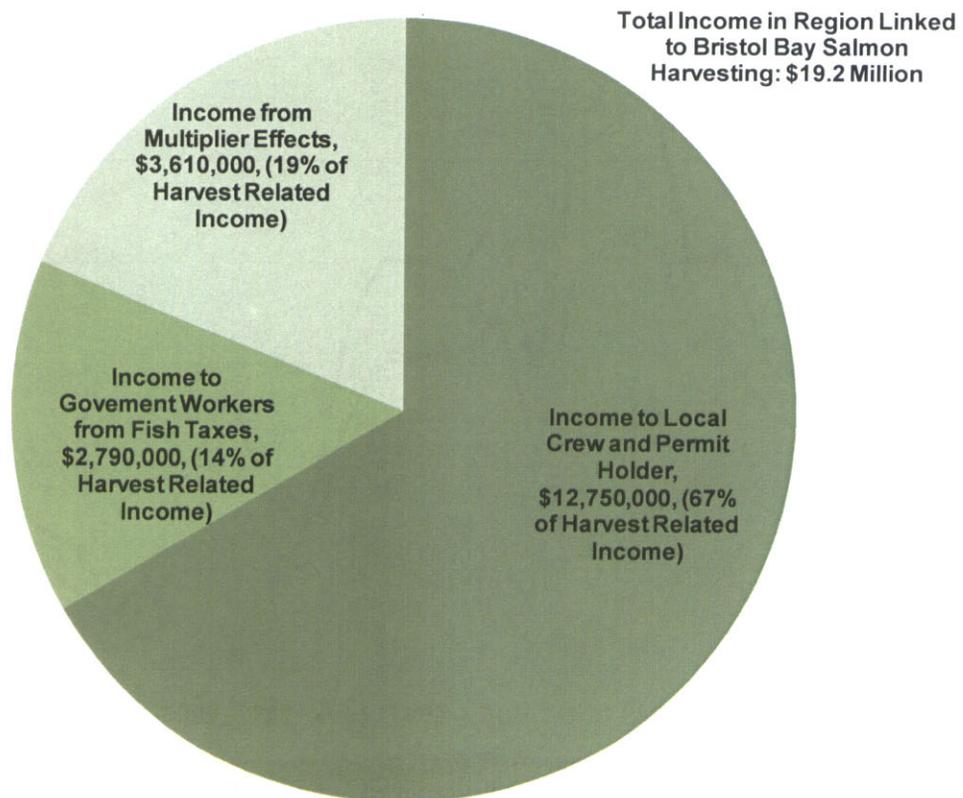
Figure 97. Estimated Total Regional Employment from Bristol Bay Salmon Harvesting, 2008



Source: Figure developed by Northern Economics based on discussions with industry, professional experience and on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003) as well as data and information from (IMPLAN, 2008), AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 2002) and (CFEC, 1980 - 2008).

We estimated that local permit holders and crew members in the Bristol Bay drift and set gillnet fisheries earned \$12.75 million in income. We assume that households spend this income on day-to-day expenses as well as making loan payments on boats permits and equipment. A significant portion of fish taxes goes directly to incomes for government workers (\$2.8 million) In addition, the household spending of local permit holders and crew members and local government workers combines with local expenditures on fishery operations to create \$3.6 million in additional income for persons working in local businesses. Overall we estimate that \$19.2 million in income is generated in the region from salmon harvesting.

Figure 98. Estimated Total Regional from Bristol Bay Salmon Harvesting, 2008



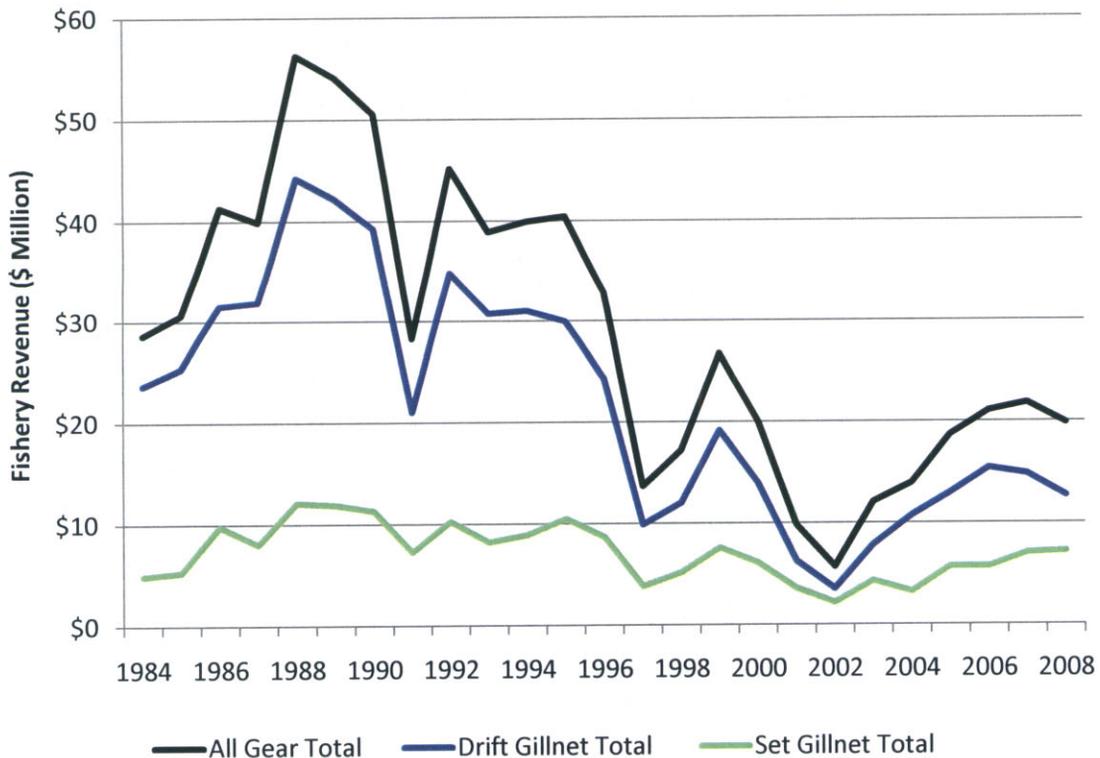
Source: Figure developed by Northern Economics based on discussions with industry, professional experience and on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003) as well as data and information from (IMPLAN, 2008), AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 2002) and (CFEC, 1980 - 2008).

11 Per Capita Revenue

Our bottom line is developed by combining gross fishery revenues from both the drift and set gillnet fisheries and after adjusting for inflation developing an estimate of the per capita revenue derived from local harvests in the Bristol Bay salmon fishery.

This figure combines gross revenues of watershed residents for both the drift and set gillnet fisheries. The drift fishery has been much more volatile than the set net fishery. Overall there has been a markedly downward trend in total revenue from the 1980's and early 1990's.

Figure 99. Estimated Total Regional Income from Bristol Bay Salmon Harvesting, 2008

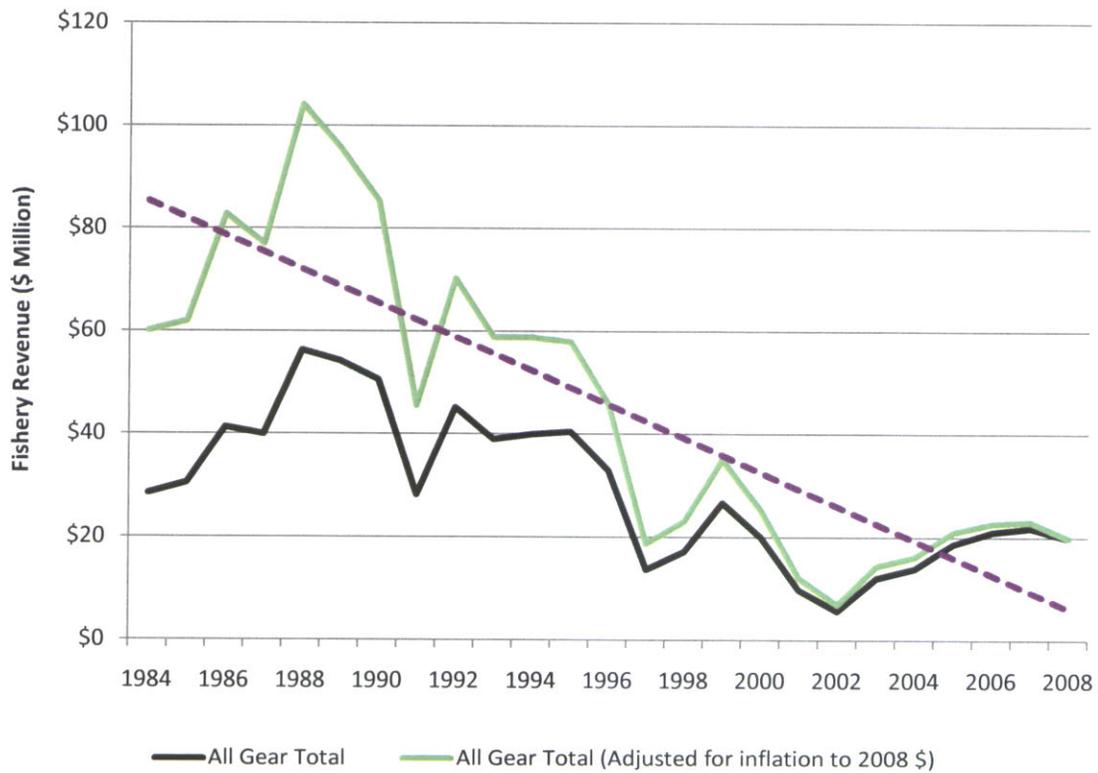


Sources: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Here we adjust the combined set and drift revenues of all watershed residents for inflation. The inflation adjustment shifts revenues from previous years upward because a dollar in earlier years would buy more goods than it does now. After adjusting for inflation the downward trend in revenues from the watershed (as shown in the dashed blue line) is very apparent.

Sensitivity testing on some of the factors contributing to this decline indicates that approximately 30 percent of the decline is due to the out-migration of permits, and another 60 percent is due to the fact that ex-vessel prices have not kept up with inflation. The remaining 10 percent of the decline is not explained by the variables that we examined.

Figure 100. Inflation Adjusted Revenue of Watershed Permit Holders



Sources: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and the US Bureau of Labor Statistics (US BLS, 1980 - 2008).

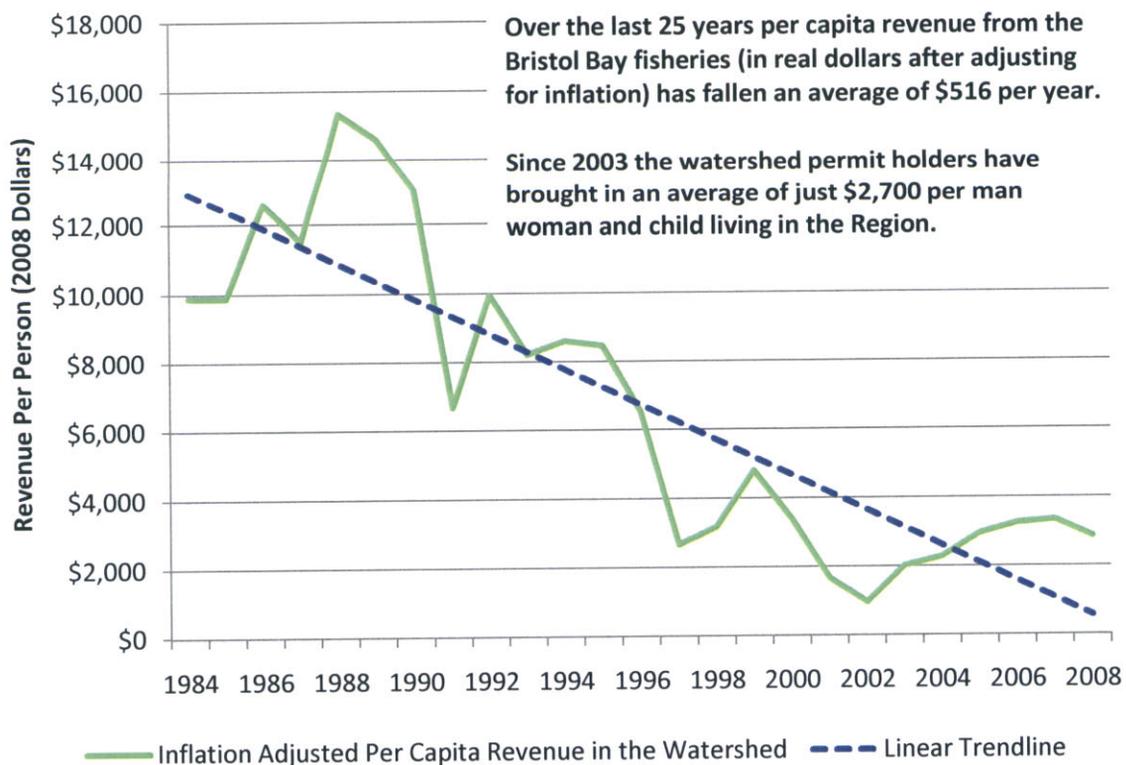
We conclude with the following statements and a final figure.

- The decline in value derived from the fishery by watershed residents has had a significant impact on the region's economy.
- The decline however does necessarily diminish the fishery's overall importance to residents.

The final figure shows the inflation adjusted per capita revenue from the Bristol Bay drift and set gillnet fisheries of permit holders residing in the Watershed. Since 1984, per capita revenues in the fishery have varied significantly with fishery-wide changes in run sizes and prices. But over the last 25 years per capita revenue from the Bristol Bay fisheries (in real dollars after adjusting for inflation) has fallen an average of \$516 per year.

In the 1980's per capita revenue was over \$10,000. However, since 2003 watershed permit holders have brought in an average of just \$2,700 per man, woman, and child living in the Region.

Figure 101. Resident Bristol Bay Fishery Revenue per Capita, 1984 – 2008 (Adjusted for Inflation)



Source: Figure developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), Commercial Fisheries Entry Commission (CFEC, 1980 - 2008), and the US Bureau of Labor Statistics (US BLS, 1980 - 2008).

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Table Appendix

Population Tables

Table A-1. Population of the Bristol Bay Region 1984 – 2008 and Projections to 2014

Year	Bristol Bay Borough	Dillingham C.A.	Lake & Pen. Borough	Total Region Population
1984	1,150	3,856	1,470	6,476
1985	1,225	3,951	1,499	6,675
1986	1,249	4,118	1,766	7,133
1987	1,309	4,175	1,749	7,233
1988	1,368	4,226	1,722	7,316
1989	1,206	4,093	1,749	7,048
1990	1,407	3,983	1,637	7,027
1991	1,465	4,138	1,701	7,304
1992	1,567	4,216	1,749	7,532
1993	1,570	4,330	1,754	7,654
1994	1,282	4,272	1,754	7,308
1995	1,186	4,358	1,764	7,308
1996	1,227	4,444	1,765	7,436
1997	1,247	4,486	1,735	7,468
1998	1,288	4,653	1,789	7,730
1999	1,255	4,698	1,741	7,694
2000	1,257	4,860	1,788	7,905
2001	1,169	4,849	1,694	7,712
2002	1,159	4,885	1,606	7,650
2003	1,099	4,869	1,583	7,551
2004	1,097	4,812	1,575	7,484
2005	1,175	4,741	1,590	7,506
2006	1,060	4,758	1,527	7,345
2007	1,030	4,744	1,503	7,277
2008	1,029	4,743	1,524	7,296
2009	1,024	4,807	1,514	7,345
2010	1,021	4,860	1,516	7,397
2011	1,018	4,914	1,519	7,451
2012	1,009	4,936	1,512	7,458
2013	999	4,949	1,504	7,452
2014	985	4,940	1,490	7,414
2015	971	4,928	1,475	7,375

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure ES-1 and Figure 1.

Table A- 2. Populations of Communities in the Bristol Bay Borough 1980 – 2008 and Projections through 2014

Year	King Salmon	Naknek.	South Naknek	Total
1980	545	318	145	1,008
1981	580	343	167	1,090
1982	620	366	183	1,169
1983	594	446	182	1,222
1984	603	362	185	1,150
1985	648	382	195	1,225
1986	555	517	177	1,249
1987	632	512	165	1,309
1988	708	507	153	1,368
1989	641	403	162	1,206
1990	696	575	136	1,407
1991	739	579	147	1,465
1992	808	606	153	1,567
1993	820	609	141	1,570
1994	512	616	154	1,282
1995	426	612	148	1,186
1996	451	621	155	1,227
1997	470	629	148	1,247
1998	479	662	147	1,288
1999	499	624	132	1,255
2000	442	678	137	1,257
2001	388	657	124	1,169
2002	397	642	120	1,159
2003	385	612	102	1,099
2004	396	612	89	1,097
2005	518	581	76	1,175
2006	409	577	74	1,060
2007	423	541	66	1,030
2008	409	552	68	1,029
2009	438	525	56	1,019
2010	453	520	51	1,024
2011	470	518	48	1,035
2012	484	512	44	1,040
2013	496	504	40	1,041
2014	505	492	37	1,034
2015	517	484	33	1,034

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009). Data for Figure 2.

Table A-3. Populations of Individual Communities in the Lake and Peninsula Borough 1984 – 2008

Year	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Levelock	105	109	126	129	132	116	105	105	110	113	105	110	113	115	130	131	122	107	83	70	58	54	61	70
Igiugig	37	38	35	32	28	34	33	31	44	43	40	48	47	47	54	62	53	55	43	50	54	50	53	32
Kokhanok	68	68	121	131	140	158	152	152	156	158	164	159	167	167	175	163	174	172	179	181	166	178	168	173
Newhalen	157	165	167	145	122	165	160	160	164	167	173	168	176	183	191	178	160	156	166	171	184	180	167	185
Iliamna	123	126	138	135	131	124	94	95	96	98	101	97	103	97	102	93	102	96	98	92	90	86	82	87
Nondalton	231	234	246	238	229	222	178	214	227	228	232	235	234	227	221	224	221	210	206	216	206	203	196	194
Pedro Bay	65	70	71	71	70	60	42	53	51	49	41	47	40	40	41	36	50	50	46	45	46	61	55	38
Port Alsworth						67	55	54	55	52	56	64	61	68	69	88	104	105	109	104	114	106	112	115
Egegik	105	112	110	126	142	99	122	126	130	125	136	138	136	126	130	117	116	80	87	82	77	81	76	62
Pilot Point	77	79	81	83	84	65	53	65	76	72	75	74	83	78	87	77	100	86	75	70	76	73	66	59
Port Heiden	109	108	114	118	121	126	119	130	134	132	123	129	142	116	125	125	119	118	108	85	90	89	79	86
Ugashik						4	7	5	5	5	5	5	5	5	2	8	11	12	12	12	12	15	17	13
Ivanof Bay	49	49	41	44	47	45	35	32	41	34	32	28	28	27	32	29	22	13	3	3	5	2	0	0
Chignik Lagoon			155	142	128	105	188	176	167	178	158	139	104	126	114	103	79	76	77	91	92	95	85	80
Chignik Lake	55	40	88	88	87	80	53	55	58	61	61	68	74	76	72	68	103	104	88	92	82	86	70	67
Chignik Lake	153	164	146	140	134	151	133	130	135	133	144	153	151	131	136	137	145	140	115	113	113	117	120	125
Perryville	136	137	127	127	127	128	108	118	100	106	108	102	101	106	108	102	107	114	111	106	110	114	120	117
Regional Total	1,470	1,499	1,766	1,749	1,722	1,749	1,637	1,701	1,749	1,754	1,754	1,764	1,765	1,735	1,789	1,741	1,788	1,694	1,606	1,583	1,575	1,590	1,527	1,503

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008).
Data for Figure 3.

Table A- 4. Lake & Peninsula Sub-Regions—Actual Population & Forecasts 1984 – 2014

Borough	Lake Region	Chignik Region	South Bay Region	Total Communities
1984	786	393	291	1470
1985	810	390	299	1499
1986	904	557	305	1766
1987	881	541	327	1749
1988	852	523	347	1722
1989	879	509	294	1682
1990	819	517	301	1637
1991	864	511	326	1701
1992	903	501	345	1749
1993	908	512	334	1754
1994	912	503	339	1754
1995	928	490	346	1764
1996	941	458	366	1765
1997	944	466	325	1735
1998	983	462	344	1789
1999	975	439	327	1741
2000	986	456	346	1788
2001	951	447	296	1694
2002	930	394	282	1606
2003	929	405	249	1583
2004	918	402	255	1575
2005	918	414	258	1590
2006	894	395	238	1527
2007	894	389	220	1503
2008	914	368	242	1524
2009	915	383	225	1523
2010	928	387	222	1537
2011	943	391	220	1554
2012	952	392	216	1560
2013	957	392	212	1561
2014	955	390	206	1551
2015	952	387	200	1539

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009). Data for Figure 4.

Table A- 5. Lake & Peninsula Communities in South Bristol Bay Region—Actual Population & Forecasts 1984 – 2014

Borough	Egegik	Pilot Point	Port Heiden	Ugashik	Total Communities
1984	105	77	109		291
1985	112	79	108		299
1986	110	81	114		305
1987	126	83	118		327
1988	142	84	121		347
1989	99	65	126	4	294
1990	122	53	119	7	301
1991	126	65	130	5	326
1992	130	76	134	5	345
1993	125	72	132	5	334
1994	136	75	123	5	339
1995	138	74	129	5	346
1996	136	83	142	5	366
1997	126	78	116	5	325
1998	130	87	125	2	344
1999	117	77	125	8	327
2000	116	100	119	11	346
2001	80	86	118	12	296
2002	87	75	108	12	282
2003	82	70	85	12	249
2004	77	76	90	12	255
2005	81	73	89	15	258
2006	76	66	79	17	238
2007	62	59	86	13	220
2008	62	75	90	15	242
2009	64	65	80	16	225
2010	62	65	78	17	222
2011	61	64	77	18	220
2012	59	63	75	19	216
2013	57	62	73	20	212
2014	55	60	70	21	206
2015	52	59	67	22	200

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 5

Table A-6. Lake & Peninsula Communities in the Lake Region—Actual Population & Forecasts 1984 – 2014

Year	Levelock	Igiugig	Kokhanok	Newhalen	Iliamna	Nondalton	Pedro Bay	Port Alsworth	Total Communities
1984	105	37	68	157	123	231	65		786
1985	109	38	68	165	126	234	70		810
1986	126	35	121	167	138	246	71		904
1987	129	32	131	145	135	238	71		881
1988	132	28	140	122	131	229	70		852
1989	116	34	158	165	124	222	60		879
1990	105	33	152	160	94	178	42	55	819
1991	105	31	152	160	95	214	53	54	864
1992	110	44	156	164	96	227	51	55	903
1993	113	43	158	167	98	228	49	52	908
1994	105	40	164	173	101	232	41	56	912
1995	110	48	159	168	97	235	47	64	928
1996	113	47	167	176	103	234	40	61	941
1997	115	47	167	183	97	227	40	68	944
1998	130	54	175	191	102	221	41	69	983
1999	131	62	163	178	93	224	36	88	975
2000	122	53	174	160	102	221	50	104	986
2001	107	55	172	156	96	210	50	105	951
2002	83	43	179	166	98	206	46	109	930
2003	70	50	181	171	92	216	45	104	929
2004	58	54	166	184	90	206	46	114	918
2005	54	50	178	180	86	203	61	106	918
2006	61	53	168	167	82	196	55	112	894
2007	70	32	173	185	87	194	38	115	894
2008	70	40	179	162	95	202	44	122	914
2009	57	39	179	183	88	200	46	123	915
2010	55	38	182	188	89	202	47	128	928
2011	54	38	186	193	89	204	47	133	943
2012	52	36	188	198	89	204	47	137	952
2013	50	35	190	201	89	204	47	141	957
2014	47	34	190	203	88	202	47	143	955
2015	45	32	190	205	87	200	46	146	952

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009). Data for Figure 6.

Table A- 7. Lake & Peninsula Communities in the Chignik Region—Actual Population & Forecasts 1984 – 2014

Year	Ivanof Bay	Chignik	Chignik Lagoon	Chignik Lake	Perryville	Total Communities
1984	49		55	153	136	393
1985	49		40	164	137	390
1986	41	155	88	146	127	557
1987	44	142	88	140	127	541
1988	47	128	87	134	127	523
1989	45	105	80	151	128	509
1990	35	188	53	133	108	517
1991	32	176	55	130	118	511
1992	41	167	58	135	100	501
1993	34	178	61	133	106	512
1994	32	158	61	144	108	503
1995	28	139	68	153	102	490
1996	28	104	74	151	101	458
1997	27	126	76	131	106	466
1998	32	114	72	136	108	462
1999	29	103	68	137	102	439
2000	22	79	103	145	107	456
2001	13	76	104	140	114	447
2002	3	77	88	115	111	394
2003	3	91	92	113	106	405
2004	5	92	82	113	110	402
2005	2	95	86	117	114	414
2006	0	85	70	120	120	395
2007	0	80	67	125	117	389
2008	0	59	71	105	133	368
2009	0	76	65	113	130	383
2010	0	76	62	113	135	387
2011	0	76	60	113	141	391
2012	0	75	58	113	146	392
2013	0	74	55	112	151	392
2014	0	73	52	111	154	390
2015	0	71	49	109	157	387

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 7.

Table A- 8. Populations by Community in the Dillingham Census Area,

Year	Aleknagik	ClarkPoint	Dillingham	Ekuk	Portage Creek	Togiak	Twin Hills	Manokotak	New Stuyahok	Ekwok	Koliganek
1980	154	79	1,563	0	48	470	70	294	331	77	117
1981	152	78	1,670	0	0	511	0	290	327	76	0
1982	232	80	1,791	0	0	507	0	299	337	78	0
1983	243	81	1,896	0	0	526	0	302	359	79	0
1984	188	78	2,073	0	38	554	40	292	329	109	155
1985	180	79	2,141	0	35	556	44	309	339	107	161
1986	182	83	2,118	0	63	623	92	341	360	107	149
1987	171	85	2,175	0	33	639	66	356	362	115	173
1988	159	87	2,232	0	3	654	39	370	364	122	196
1989	160	68	2,125	0	5	622	44	377	375	126	191
1990	185	60	2,017	3	5	613	66	385	391	77	181
1991	203	55	2,118	3	5	610	72	391	387	104	190
1992	192	71	2,130	3	5	641	66	400	408	107	193
1993	177	55	2,192	3	6	670	70	419	413	129	196
1994	167	61	2,156	3	6	657	74	403	418	121	206
1995	179	62	2,179	3	6	703	76	402	423	115	210
1996	187	66	2,223	3	6	736	67	390	442	116	208
1997	183	66	2,248	2	14	760	61	388	451	120	193
1998	202	64	2,318	2	14	799	79	396	457	121	201
1999	187	68	2,302	2	18	841	76	399	475	125	205
2000	221	75	2,466	2	36	809	69	399	471	130	182
2001	221	69	2,462	2	47	787	64	412	489	119	177
2002	220	65	2,468	5	48	809	77	407	483	116	187
2003	239	66	2,384		61	820	76	405	491	128	199
2004	233	63	2,404		49	802	68	407	471	127	188
2005	238	65	2,368		37	778	71	437	461	118	168
2006	241	69	2,397		20	783	77	423	472	111	165
2007	232	65	2,399		9	785	81	429	445	108	191
2008	242	54	2,347		7	802	75	430	491	121	174
2009	249	59	2,377		9	798	80	443	473	114	178
2010	256	59	2,398		7	808	83	454	478	114	179
2011	262	58	2,419		6	817	85	465	483	114	181
2012	267	57	2,424		5	821	87	473	485	114	181
2013	272	56	2,423		4	823	89	480	486	113	181
2014	275	55	2,412		3	822	91	485	484	112	180
2015	279	54	2,400		2	820	92	490	483	110	179

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008).
Data for Figure 8.

Table A-9. Dillingham Census Area Sub-Regions—Actual Population & Forecasts 1984 – 2014

Borough	Dillingham Area	Togiak/ Manokotak	Upper Nushagak	Total Communities
1980	1,844	834	525	3,203
1981	1,938	850	524	3,312
1982	2,135	847	540	3,523
1983	2,262	887	560	3,709
1984	2,377	886	593	3,856
1985	2,435	909	607	3,951
1986	2,446	1,056	616	4,118
1987	2,464	1,061	650	4,175
1988	2,481	1,063	682	4,226
1989	2,358	1,043	692	4,093
1990	2,270	1,064	649	3,983
1991	2,384	1,073	681	4,138
1992	2,401	1,107	708	4,216
1993	2,433	1,159	738	4,330
1994	2,393	1,134	745	4,272
1995	2,429	1,181	748	4,358
1996	2,485	1,193	766	4,444
1997	2,513	1,209	764	4,486
1998	2,600	1,274	779	4,653
1999	2,577	1,316	805	4,698
2000	2,800	1,277	783	4,860
2001	2,801	1,263	785	4,849
2002	2,806	1,293	786	4,885
2003	2,750	1,301	818	4,869
2004	2,749	1,277	786	4,812
2005	2,708	1,286	747	4,741
2006	2,727	1,283	748	4,758
2007	2,705	1,295	744	4,744
2008	2,650	1,307	786	4,743
2009	2,707	1,329	765	4,801
2010	2,719	1,346	767	4,832
2011	2,737	1,365	770	4,872
2012	2,735	1,374	768	4,877
2013	2,728	1,381	764	4,873
2014	2,709	1,381	757	4,847
2015	2,693	1,383	750	4,826

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 9

Table A- 10. Dillingham Sub-Region—Actual Population & Forecasts 1984 – 2014

Year	Aleknagik	Clark's Point	Dillingham	Portage Creek	Total
1980	154	79	1,563	48	1,844
1981	152	78	1,670	0	1,900
1982	232	80	1,791	0	2,103
1983	243	81	1,896	0	2,220
1984	188	78	2,073	38	2,377
1985	180	79	2,141	35	2,435
1986	182	83	2,118	63	2,446
1987	171	85	2,175	33	2,464
1988	159	87	2,232	3	2,481
1989	160	68	2,125	5	2,358
1990	185	60	2,017	5	2,267
1991	203	55	2,118	5	2,381
1992	192	71	2,130	5	2,398
1993	177	55	2,192	6	2,430
1994	167	61	2,156	6	2,390
1995	179	62	2,179	6	2,426
1996	187	66	2,223	6	2,482
1997	183	66	2,248	14	2,511
1998	202	64	2,318	14	2,598
1999	187	68	2,302	18	2,575
2000	221	75	2,466	36	2,798
2001	221	69	2,462	47	2,799
2002	220	65	2,468	48	2,801
2003	239	66	2,384	61	2,750
2004	233	63	2,404	49	2,749
2005	238	65	2,368	37	2,708
2006	241	69	2,397	20	2,727
2007	232	65	2,399	9	2,705
2008	242	54	2,347	7	2,650
2009	249	59	2,377	9	2,695
2010	256	59	2,398	7	2,720
2011	262	58	2,419	6	2,745
2012	267	57	2,424	5	2,753
2013	272	56	2,423	4	2,755
2014	275	55	2,412	3	2,745
2015	279	54	2,400	2	2,734

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 10.

Table A- 11. Upper Nushagak Sub-Region—Actual Population & Forecasts 1984 – 2014

Year	New Stuyahok	Ekwok	Koliganek	TotalCommunities
1980	331	77	117	525
1981	327	76	0	403
1982	337	78	0	415
1983	359	79	0	438
1984	329	109	155	593
1985	339	107	161	607
1986	360	107	149	616
1987	362	115	173	650
1988	364	122	196	682
1989	375	126	191	692
1990	391	77	181	649
1991	387	104	190	681
1992	408	107	193	708
1993	413	129	196	738
1994	418	121	206	745
1995	423	115	210	748
1996	442	116	208	766
1997	451	120	193	764
1998	457	121	201	779
1999	475	125	205	805
2000	471	130	182	783
2001	489	119	177	785
2002	483	116	187	786
2003	491	128	199	818
2004	471	127	188	786
2005	461	118	168	747
2006	472	111	165	748
2007	445	108	191	744
2008	491	121	174	786
2009	473	114	178	765
2010	478	114	179	771
2011	483	114	181	778
2012	485	114	181	780
2013	486	113	181	780
2014	484	112	180	776
2015	483	110	179	772

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 11.

Table A- 12. Togiak/Manokotak Sub-Region—Actual Population & Forecasts 1984 – 2014

Year	Togiak	Twin Hills	Manokotak	Total
1980	470	70	294	834
1981	511	49	290	850
1982	507	41	299	847
1983	526	59	302	887
1984	554	40	292	886
1985	556	44	309	909
1986	623	92	341	1,056
1987	639	66	356	1,061
1988	654	39	370	1,063
1989	622	44	377	1,043
1990	613	66	385	1,064
1991	610	72	391	1,073
1992	641	66	400	1,107
1993	670	70	419	1,159
1994	657	74	403	1,134
1995	703	76	402	1,181
1996	736	67	390	1,193
1997	760	61	388	1,209
1998	799	79	396	1,274
1999	841	76	399	1,316
2000	809	69	399	1,277
2001	787	64	412	1,263
2002	809	77	407	1,293
2003	820	76	405	1,301
2004	802	68	407	1,277
2005	778	71	437	1,286
2006	783	77	423	1,283
2007	785	81	429	1,295
2008	802	75	430	1,307
2009	803	81	445	1,329
2010	809	83	453	1,346
2011	817	86	462	1,365
2012	818	87	469	1,374
2013	818	89	474	1,381
2014	814	90	477	1,381
2015	811	92	480	1,383

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008) and Dr. Scott Goldsmith of ISER (Goldsmith, 2009). Data for Figure 12.

School Enrollment Tables

Table A- 13. Actual and Forecast Population & School Enrollments in the Bristol Bay Region, 1991 - 2015

Year	Population	Total School Enrollment
1991	7,338	1,775
1992	7,566	1,732
1993	7,688	1,814
1994	7,341	1,833
1995	7,342	1,919
1996	7,471	2,060
1997	7,504	2,145
1998	7,766	2,191
1999	7,730	2,055
2000	7,968	2,061
2001	7,757	1,969
2002	7,686	1,899
2003	7,589	1,791
2004	7,522	1,805
2005	7,551	1,782
2006	7,383	1,777
2007	7,302	1,718
2008	7,324	1,644
2009	7,342	1,658
2010	7,379	1,642
2011	7,433	1,630
2012	7,436	1,606
2013	7,424	1,577
2014	7,377	1,541
2015	7,341	1,505

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure ES-2 and Figure 13.

Table A- 14. School Enrollments & Forecasts for the Bristol Bay Region by Borough & Census Area, 1991 – 2015

Year	Bristol Bay School District	Lake & Pen. School District	Dillingham & SW Regional Schools	Total Bristol Bay Region
1991	277	522	976	1,775
1992	269	469	994	1,732
1993	271	512	1,031	1,814
1994	269	497	1,067	1,833
1995	291	503	1,125	1,919
1996	312	511	1,237	2,060
1997	312	527	1,306	2,145
1998	299	568	1,324	2,191
1999	269	491	1,295	2,055
2000	243	480	1,338	2,061
2001	239	429	1,301	1,969
2002	236	418	1,245	1,899
2003	195	417	1,179	1,791
2004	180	398	1,227	1,805
2005	176	394	1,212	1,782
2006	188	380	1,209	1,777
2007	183	373	1,162	1,718
2008	145	371	1,128	1,644
2009	148	368	1,141	1,658
2010	143	367	1,132	1,642
2011	138	367	1,125	1,630
2012	133	363	1,110	1,606
2013	126	359	1,092	1,577
2014	119	352	1,069	1,541
2015	113	345	1,048	1,505

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).

Data for Figure ES-3 and Figure 14.

Table A- 15. Actual and Forecast Population and School Enrollments in the Bristol Bay Borough, 1991 - 2015

Year	Bristol Bay School District	Bristol Bay Borough Population
1991	277	1,468
1992	269	1,570
1993	271	1,573
1994	269	1,285
1995	291	1,189
1996	312	1,230
1997	312	1,250
1998	299	1,291
1999	269	1,258
2000	243	1,258
2001	239	1,173
2002	236	1,163
2003	195	1,103
2004	180	1,100
2005	176	1,175
2006	188	1,060
2007	183	1,030
2008	145	1,029
2009	148	1,019
2010	143	1,024
2011	138	1,035
2012	133	1,040
2013	126	1,041
2014	119	1,034
2015	113	1,034

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).

Data for Figure 15.

Table A- 16. Actual and Forecast Enrollments by School in Bristol Bay School District, 1995 – 2015

Year	Bristol Bay Consolidated High School	Naknek Elementary School	South Naknek Elementary School
1995	109	166	16
1996	120	177	15
1997	136	161	15
1998	130	154	15
1999	80	175	14
2000	108	118	17
2001	110	115	14
2002	114	109	13
2003	100	88	7
2004	88	92	
2005	82	94	
2006	81	107	
2007	86	97	
2008	74	71	
2009	72	76	
2010	70	73	
2011	68	70	
2012	66	67	
2013	63	63	
2014	60	59	
2015	58	55	

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 16.

Table A- 17. Actual and Forecast Population and School Enrollments in the Lake & Pen. Borough, 1991 - 2015

Year	Lake & Pen. School District	Lake & Pen. Borough Population
1991	522	1,701
1992	469	1,749
1993	512	1,754
1994	497	1,754
1995	503	1,764
1996	511	1,765
1997	527	1,735
1998	568	1,789
1999	491	1,741
2000	480	1,788
2001	429	1,694
2002	418	1,606
2003	417	1,583
2004	398	1,575
2005	394	1,590
2006	380	1,527
2007	373	1,503
2008	371	1,524
2009	368	1,492
2010	367	1,495
2011	367	1,498
2012	363	1,492
2013	359	1,485
2014	352	1,471
2015	345	1,458

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).

Data for Figure 17.

Table A- 18. Actual and Forecast Enrollments in the South Bristol Bay Area, 1995 – 2015

School	Egegik School	Pilot Point School	Port Heiden School (Meshik)	Total
1995	17	27	28	72
1996	17	25	24	66
1997	19	27	34	80
1998	17	30	36	83
1999	22	24	30	76
2000	20	23	40	83
2001	12	16	34	62
2002	10	25	30	65
2003	11	23	29	63
2004	14	17	22	53
2005	12	12	25	49
2006	11	11	27	49
2007	10	19	25	54
2008	12	14	22	48
2009	11	14	21	46
2010	11	14	21	45
2011	11	13	20	44
2012	11	13	19	43
2013	11	12	18	41
2014	10	12	17	39
2015	10	11	16	37

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 18.

Table A- 19. Actual and Forecast Enrollments in the Lake Area, 1995 – 2015

School	Igiugig School	Kokhanok School	Levelock School	Newhalen School	Nondalton School	Pedro Bay School (Dena'ina)	Port Alsworth School (Tanalian)	Total
1995	14	49	24	80	67	17	23	274
1996	15	58	24	90	72	10	16	285
1997	16	57	21	100	74	13	12	293
1998	16	69	19	95	79	17	15	310
1999	14	60	22	83	72	12	20	283
2000	15	55	28	68	73	13	27	279
2001	14	47	20	78	66	14	16	255
2002	14	46	17	79	59	14	16	245
2003	13	40	19	72	61	18	19	242
2004	15	39	19	79	51	18	23	244
2005	15	46	21	69	52	16	27	246
2006	16	41	20	80	50	13	22	242
2007	12	45	18	74	43	13	29	234
2008	13	47	24	77	38	12	34	245
2009	14	43	21	79	37	14	32	240
2010	14	43	21	81	35	14	34	242
2011	14	43	22	84	32	14	37	244
2012	13	43	22	85	29	14	39	245
2013	13	42	22	87	25	14	42	245
2014	13	42	21	87	22	14	44	243
2015	13	41	21	88	19	14	46	241

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 19.

Table A- 20. Actual and Forecast Enrollments in the Chignik Area, 1995 – 2015

School	Chignik Bay School	Chignik Lagoon School	Chignik Lake School	Perryville School	Total
1995	27	31	56	33	147
1996	27	36	49	36	148
1997	30	32	45	37	144
1998	28	42	51	40	161
1999	15	28	44	35	122
2000	11	29	44	30	114
2001	13	26	41	32	112
2002	14	22	38	34	108
2003	14	19	36	40	109
2004	17	18	32	34	101
2005	15	13	35	36	99
2006	11	12	37	29	89
2007	11	15	30	29	85
2008	12	15	24	27	78
2009	13	11	28	31	82
2010	13	10	27	30	80
2011	13	9	26	30	78
2012	13	8	25	30	76
2013	13	7	24	29	73
2014	12	6	22	28	70
2015	12	6	21	28	66

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 20.

Table A- 21. Actual and Forecast Population and School Enrollments in Dillingham Census Area, 1991 - 2015

Year	Dillingham and 'SW Region School District	Dillingham C.A. Population
1991	976	4,169
1992	994	4,247
1993	1,031	4,361
1994	1,067	4,302
1995	1,125	4,389
1996	1,237	4,476
1997	1,306	4,519
1998	1,324	4,686
1999	1,295	4,731
2000	1,338	4,922
2001	1,301	4,890
2002	1,245	4,917
2003	1,179	4,903
2004	1,227	4,847
2005	1,212	4,786
2006	1,209	4,796
2007	1,162	4,769
2008	1,128	4,771
2009	1,141	4,831
2010	1,132	4,860
2011	1,125	4,899
2012	1,110	4,904
2013	1,092	4,899
2014	1,069	4,872
2015	1,048	4,849

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).

Data for Figure 21.

Table A- 22. Actual and Forecast Enrollments in the Dillingham Area, 1995 – 2015

School	Dillingham Elementary School	Dillingham Middle/High School	Aleknagik School	Clarks Point School	Portage Creek School	Total
1995	285	225	27	13		550
1996	266	274	53	11	9	613
1997	279	288	40	14	8	629
1998	282	270	44	15	10	621
1999	268	282	38	20	9	617
2000	264	303	44	17	11	639
2001	249	290	38	17	14	608
2002	247	279	33	17	14	590
2003	234	272	35	13	10	564
2004	242	286	33	19	7	587
2005	254	290	38	14		596
2006	243	293	38	11		585
2007	229	275	39	11		554
2008	220	282	33	11		546
2009	229	284	35	11		559
2010	227	286	35	10		558
2011	226	288	34	10		558
2012	223	288	34	9		554
2013	220	287	33	8		549
2014	216	285	33	8		541
2015	212	283	32	7		534

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).

Data for Figure 22.

Table A- 23. Actual and Forecast Enrollments in the Togiak/Manokotak Area, 1995 – 2015

School	Manokotak School	Togiak School	Twin Hills School	Total
1995	127	192	12	331
1996	130	214	11	355
1997	135	253	14	402
1998	139	265	12	416
1999	127	263	16	406
2000	138	267	17	422
2001	144	252	12	408
2002	142	229	13	384
2003	130	217	14	361
2004	138	231	13	382
2005	133	234	12	379
2006	130	231	12	373
2007	122	229	15	366
2008	121	230	13	364
2009	122	224	13	359
2010	120	223	13	356
2011	118	222	12	353
2012	115	220	12	348
2013	112	217	12	342
2014	109	214	12	334
2015	105	210	11	327

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 23.

Table A- 24. Actual and Forecast Enrollments in the Upper Nushagak Area, 1995 – 2015

School	Koliganek School	New Stuyahok (Chief Ivan Blunka School)	Ekwok (William "Sonny" Nelson School)	Total
1995	84	132	28	244
1996	78	153	38	269
1997	80	163	32	275
1998	83	169	35	287
1999	73	165	34	272
2000	76	163	38	277
2001	73	179	33	285
2002	79	166	26	271
2003	63	170	21	254
2004	64	163	31	258
2005	40	172	25	237
2006	56	172	23	251
2007	58	159	25	242
2008	50	146	22	218
2009	45	158	21	224
2010	41	158	20	219
2011	38	157	19	214
2012	35	156	17	208
2013	31	154	16	202
2014	28	151	15	194
2015	25	149	14	187

Source: Table developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), AK Dept. of Education and Early Development (ADEED, 1991 - 2008), and Dr. Scott Goldsmith of ISER (Goldsmith, 2009).
Data for Figure 24.

Cost of Living Tables

Table A- 25. Comparison of Family Food Costs in Anchorage Dillingham and Naknek/King Salmon, 1996 - 2009

City	Dec-96	Dec-97	Dec-98	Dec-00	Dec-02	Dec-04	Sep-06	Dec-07	Sep-08	Dec-08	Mar-09
Anchorage	\$98	\$100	\$99	\$101	\$102	\$107	\$119	\$121	\$127	\$132	\$128
Dillingham	\$164	\$165	\$168	\$186	\$195	\$202	\$252				\$275
Naknek & King Salmon		\$160	\$177			\$233	\$260	\$264	\$290	\$316	
Average	\$131	\$213	\$222	\$144	\$149	\$271	\$316	\$193	\$208	\$224	\$201

Source: Table developed by Northern Economics based on data from UAF Cooperative Extension Service Alaska Food Cost Survey (UAF Cooperative Extension Service, 1996 - 2009).
Data for Figure ES-4 and Figure 25.

Table A- 26. Comparison of Electricity Costs in Anchorage Dillingham and Naknek/King Salmon, 1996 - 2009

City	Dec-96	Dec-97	Dec-98	Dec-00	Dec-02	Dec-04	Sep-06	Dec-07	Sep-08	Dec-08	Mar-09
Anchorage	\$85	\$90	\$97	\$97	\$104	\$116	\$126	\$134	\$139	\$146	\$171
Dillingham	\$157	\$200	\$192	\$173	\$192	\$233	\$319				\$424
Naknek & King Salmon		\$182	\$192			\$199	\$190	\$237	\$326	\$326	
Average	\$121	\$236	\$240	\$135	\$148	\$274	\$318	\$186	\$232	\$236	\$297

Source: Table developed by Northern Economics based on data from UAF Cooperative Extension Service Alaska Food Cost Survey (UAF Cooperative Extension Service, 1996 - 2009).
Data for Figure ES-5 and Figure 26.

Table A- 27. Comparison of Gasoline Prices in Anchorage and Dillingham 1996 - 2009

City	Dec-96	Dec-99	Dec-00	Dec-01	Dec-02	Dec-04	Sep-06	Dec-07	Sep-08	Dec-08	Mar-09
Anchorage	\$1.01	\$1.22	\$1.62	\$1.13	\$1.41	\$1.91	\$3.41	\$3.26	\$5.28	\$2.89	\$2.83
Dillingham	\$1.73	\$1.83	\$2.56	\$2.23	\$2.24	\$2.77	\$3.90		\$5.85		\$6.28
Average	\$1.37	\$1.52	\$2.09	\$1.68	\$1.82	\$2.34	\$3.66	\$1.63	\$5.57	\$1.45	\$4.56

Source: Table developed by Northern Economics based on data from UAF Cooperative Extension Service Alaska Food Cost Survey (UAF Cooperative Extension Service, 1996 - 2009).
Data for Figure 27.

Table A- 28. Comparison of Home Heating Fuel Prices in Anchorage and Dillingham 1996 - 2009

City	Dec-96	Dec-99	Dec-00	Dec-01	Dec-02	Dec-04	Sep-06	Dec-07	Sep-08	Dec-08	Mar-09
Anchorage	\$1.30	\$1.27	\$1.62	\$1.41	\$1.53	\$1.89	\$2.67	\$3.01	\$4.24	\$2.54	\$2.16
Dillingham	\$1.85	\$2.05	\$2.60	\$2.52	\$2.59	\$3.40	\$4.61		\$5.44		\$6.33
Average	\$1.57	\$1.66	\$2.11	\$1.96	\$2.06	\$2.64	\$3.64	\$1.51	\$4.84	\$1.27	\$4.25

Source: Table developed by Northern Economics based on data from UAF Cooperative Extension Service Alaska Food Cost Survey (UAF Cooperative Extension Service, 1996 - 2009).

Data for Figure 28.

Table A- 29. Average, Highest and Lowest Prices Paid by Utilities for Diesel 1988 - 2007

Year	Highest Price Paid in the Region	Lowest Price Paid in the Region	Average Price Paid in the Region
1988	\$1.84	\$0.63	\$1.08
1989	\$1.55	\$0.45	\$0.98
1990	\$1.40	\$0.63	\$1.09
1991	\$1.63	\$0.73	\$1.25
1992	\$1.57	\$0.74	\$1.25
1993	\$2.25	\$0.73	\$1.27
1994	\$2.08	\$0.79	\$1.31
1995	\$1.55	\$0.70	\$1.17
1996	\$2.25	\$0.71	\$1.34
1997	\$2.52	\$0.79	\$1.41
1998	\$2.52	\$0.73	\$1.49
1999	\$2.36	\$0.67	\$1.34
2000	\$2.00	\$0.71	\$1.35
2001	\$2.60	\$0.95	\$1.69
2002	\$2.60	\$0.91	\$1.64
2003	\$2.60	\$0.91	\$1.58
2004	\$2.36	\$1.00	\$1.71
2005	\$2.90	\$1.41	\$2.21
2006	\$3.77	\$1.77	\$2.83
2007	\$4.22	\$2.35	\$3.34

Source: Table developed by Northern Economics based on data from Statistical Reports of the Power Cost Equalization Program (AEA, 1988 - 2009).

Data for Figure ES-6 and Figure 29.

The Importance of the Bristol Bay Salmon Fisheries to the Region and its Residents

Table A- 30. Prices Paid for Diesel Fuel by Specific Utilities, 1988 - 2007

Utility	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Kokhanok Village Council	1.03	0.97	1.40	1.45	1.48	1.57	1.63	1.32	2.01	1.78	2.03	1.68	1.84	2.54	2.14	1.94	2.36	2.51	3.31	4.22
Pilot Point Electrical	0.45	1.34	1.49	1.49	1.48	1.34	1.38	1.32	1.31	1.44	1.35	1.13	1.20	1.28	1.54	1.57	1.83	2.45	3.68	4.18
Chignik Lake Electric Utility, Inc.	1.22	1.55	1.36	1.51	1.45	1.41	1.47	1.45	2.25	2.52	2.52	2.36	2.00	2.32						
Igiugig Electric Company	1.34	1.30	1.34	1.36	1.43	1.42	1.50	1.48	1.49	1.59	1.67	1.62	1.68	1.98	2.16	2.02	2.32	2.72	2.74	4.05
Pedro Bay Village Council																				
Tanalian Electric Cooperative (Port Alsworth)	0.99	0.89	0.96	1.41	1.26	1.20	1.28	1.28	1.30	1.30	1.32	1.65	1.25	1.36						
City of Port Heiden	1.25	1.23	1.54	1.54	1.23	1.15	1.20	1.20	1.50	1.17	1.33	1.30	1.23	1.46	1.53	1.41	1.87	2.32		
Manokotak Power Company	0.97	0.97	1.12	1.37	1.41	1.29	1.20	1.20	1.13	1.35	1.26	0.99	1.44	2.12	1.78	1.75	1.82			
City of Perryville																				
Koliganek Village Council																				
Twin Hills Village Council	1.02	1.14	1.08	1.09	1.11	1.12	1.14	1.17	1.22	1.23	1.25	1.23	1.20	1.89	1.66	1.50	1.54	1.60	2.74	3.46
Levelock Electric Cooperative	1.07	1.33	1.39	1.63	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.28	1.23	1.38	1.48	1.55	1.45	1.97	2.57	3.20
Egegik Light and Power																				
New Stuyahok	1.84	1.18	1.84	1.18	1.21	1.20	1.17	1.09	1.11	1.48	1.27	1.10	1.22	1.36	1.33	1.17	1.30	1.99	2.41	3.03
Ekwok Electric																				
Chignik Lagoon Power Utility																				
Togiak	0.85	0.70	0.74	1.11	1.26	1.19	1.15	1.11	1.10	1.17	1.24	0.94	1.13	1.28	1.21	1.15	1.30	1.85	2.26	2.85
Chignik Electric	0.63	0.70	0.74	1.11	0.89	0.94	0.82	0.82	0.82	0.84	0.85	0.72	0.87	1.14	1.05	1.11		1.84	2.42	2.68
Nushagak Electric Cooperative (Dillingham)	0.80	0.66	0.63	0.75	0.74	0.73	0.79	0.70	0.71	0.89	0.77	0.67	0.71	0.95	0.94	0.91	1.00	1.41	1.77	2.40
Naknek Electric Association	0.75	0.69	0.77	0.73	0.74	0.73	0.79	0.71	0.71	0.79	0.73	0.67	0.78	0.95	0.91	0.92	1.00	1.42	1.92	2.39
INN (Iliamna, Newhalen, Nondalton) Electric Cooperative	1.13	0.90	0.90	1.00	1.09	1.09	1.18	1.12	1.44	1.40	1.74	1.75	1.29	1.48	1.48	1.59	1.61	2.15	2.15	2.35
Average Price Paid for Diesel in the Region	1.08	0.98	1.09	1.25	1.25	1.27	1.31	1.17	1.34	1.41	1.49	1.34	1.35	1.69	1.64	1.58	1.71	2.21	2.83	3.34

Source: Table developed by Northern Economics based on data from Statistical Reports of the Power Cost Equalization Program (AEA, 1988 - 2009); Data for Figure 30.

Table A- 31. Dept. of Defense Cost of Living Differentials in Dillingham as a Percent of Anchorage, 1985, 2008

Expenditure Category	Price Differential 2008	Price Differential 1985
Housing	\$1.03	\$1.00
Shelter	\$0.62	\$0.85
Utilities	\$3.06	\$1.25
Food	\$1.64	\$1.52
Meats, poultry and fish	\$1.45	\$1.54
Cereals and breads	\$1.68	\$1.38
Dairy products	\$1.75	\$1.59
Fruits and vegetables	\$1.56	\$1.69
Food away from home	\$1.65	\$1.27
Transportation	\$1.57	\$1.40
Auto insurance	\$0.89	\$0.89
Clothing	\$1.25	\$1.11
Medical	\$1.00	\$1.07
Medical services	\$1.19	\$0.98
Weighted Average Differential	\$1.37	\$1.29

Source: Table developed by Northern Economics based on data from 1985 and 2008 Alaska Geographic Differential Study (McDowell Group, 1985), (McDowell Group, 2009).
Data for Figure 31.

Drift Vessel Capacity Tables

Table A- 32. Average Age of Vessel by Residence, 1983 - 2008

Group	1983	1988	1993	1998	2003	2008
Average Age						
Bristol Bay	9	11	14	18	22	26
Alaska Outside of Bristol Bay	9	11	14	17	21	24
Outside of Alaska	11	12	13	16	20	24
Average	10	11	14	17	21	25

Source: Table developed by Northern Economics based on data from Commercial Fishery Entry Commission Data for Figure ES-7 and Figure 32.

Table A- 33. Average Horsepower of Vessels by Residence, 1983 - 2008

Group	1983	1988	1993	1998	2003	2008
Horsepower						
Bristol Bay	239	279	282	294	287	337
Alaska Outside of Bristol Bay	243	271	315	345	350	373
Outside of Alaska	252	286	335	368	372	382
Average	245	278	311	336	336	364

Source: Table developed by Northern Economics based on data from Commercial Fishery Entry Commission Data for Figure ES-8 and Figure 33.

Table A- 34. Average Gross Displacement Tons of Vessels by Residence, 1983 – 2008

Group	1983	1988	1993	1998	2003	2008
Displacement (Gross Tons)						
Bristol Bay	10	12	12	12	12	12
Alaska Outside of Bristol Bay	12	13	13	13	14	15
Outside of Alaska	12	12	13	14	14	14
Average	11	12	13	13	13	14

Source: Table developed by Northern Economics based on data from Commercial Fishery Entry Commission Data for Figure 34.

Table A- 35. Average Fuel Capacity of Vessels by Residence, 1983 - 2008

Group	1983	1988	1993	1998	2003	2008
Fuel Capacity						
Bristol Bay	239	288	282	294	287	299
Alaska Outside of Bristol Bay	306	334	364	357	357	360
Outside of Alaska	283	311	348	352	350	364
Average	276	311	331	335	331	341

Source: Table developed by Northern Economics based on data from Commercial Fishery Entry Commission Data for Figure 35.

Table A- 36. Percent of Vessels with Refrigeration Capacity, 1983 - 2008

Group	1983	1988	1993	1998	2003	2008
	Refrigeration Capabilities (% With)					
Bristol Bay	0.5%	0.5%	2.3%	4.5%	5.5%	7.7%
Alaska Outside of Bristol Bay	1.3%	2.3%	7.5%	13.7%	15.3%	20.8%
Outside of Alaska	0.5%	2.0%	8.1%	15.5%	17.8%	22.2%
Average	0.8%	1.6%	6.0%	11.2%	12.9%	16.9%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1983 - 2008).

Data for Figure ES-9 and Figure 36.

Drift Gillnet Fishery Tables

Table A- 37. Number of Drift Gillnet Permits Held By Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	737	488	844	2,069
1976	613	376	732	1,721
1977	629	373	727	1,729
1978	652	389	736	1,777
1979	650	396	754	1,800
1980	673	381	773	1,827
1981	658	392	777	1,827
1982	630	408	786	1,824
1983	626	438	756	1,820
1984	610	431	777	1,818
1985	621	436	777	1,834
1986	600	457	781	1,838
1987	582	455	800	1,837
1988	574	455	809	1,838
1989	576	459	832	1,867
1990	561	471	846	1,878
1991	546	469	866	1,881
1992	538	455	890	1,883
1993	527	451	908	1,886
1994	512	452	923	1,887
1995	495	467	926	1,888
1996	487	465	939	1,891
1997	489	463	947	1,899
1998	494	453	951	1,898
1999	482	450	966	1,898
2000	474	465	951	1,890
2001	466	477	934	1,877
2002	456	463	939	1,858
2003	445	443	937	1,825
2004	418	449	947	1,814
2005	407	449	960	1,816
2006	398	452	952	1,802
2007	395	467	972	1,834
2008	389	475	979	1,843

Source: Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).
Data for Figure ES-10 and Figure 37.

Table A- 38. Percent of Drift Gillnet Permits Held By Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	35.6%	23.6%	40.8%	100.0%
1976	35.6%	21.8%	42.5%	100.0%
1977	36.4%	21.6%	42.0%	100.0%
1978	36.7%	21.9%	41.4%	100.0%
1979	36.1%	22.0%	41.9%	100.0%
1980	36.8%	20.9%	42.3%	100.0%
1981	36.0%	21.5%	42.5%	100.0%
1982	34.5%	22.4%	43.1%	100.0%
1983	34.4%	24.1%	41.5%	100.0%
1984	33.6%	23.7%	42.7%	100.0%
1985	33.9%	23.8%	42.4%	100.0%
1986	32.6%	24.9%	42.5%	100.0%
1987	31.7%	24.8%	43.5%	100.0%
1988	31.2%	24.8%	44.0%	100.0%
1989	30.9%	24.6%	44.6%	100.0%
1990	29.9%	25.1%	45.0%	100.0%
1991	29.0%	24.9%	46.0%	100.0%
1992	28.6%	24.2%	47.3%	100.0%
1993	27.9%	23.9%	48.1%	100.0%
1994	27.1%	24.0%	48.9%	100.0%
1995	26.2%	24.7%	49.0%	100.0%
1996	25.8%	24.6%	49.7%	100.0%
1997	25.8%	24.4%	49.9%	100.0%
1998	26.0%	23.9%	50.1%	100.0%
1999	25.4%	23.7%	50.9%	100.0%
2000	25.1%	24.6%	50.3%	100.0%
2001	24.8%	25.4%	49.8%	100.0%
2002	24.5%	24.9%	50.5%	100.0%
2003	24.4%	24.3%	51.3%	100.0%
2004	23.0%	24.8%	52.2%	100.0%
2005	22.4%	24.7%	52.9%	100.0%
2006	22.1%	25.1%	52.8%	100.0%
2007	21.5%	25.5%	53.0%	100.0%
2008	21.1%	25.8%	53.1%	100.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure 38.

Table A- 39. No. of Drift Gillnet Permits Held By Residence within the Bristol Bay Watershed, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	245	70	63	66	83	146	673
1981	239	69	62	65	80	143	658
1982	223	63	61	66	77	140	630
1983	224	62	62	60	86	132	626
1984	212	60	62	57	86	133	610
1985	218	59	61	54	90	139	621
1986	207	54	63	58	88	130	600
1987	200	50	59	59	84	130	582
1988	204	46	55	59	80	130	574
1989	200	50	56	62	77	131	576
1990	193	47	61	61	72	127	561
1991	194	45	55	57	72	123	546
1992	193	45	54	58	72	116	538
1993	194	45	53	55	67	113	527
1994	181	42	53	57	67	112	512
1995	175	40	49	56	65	110	495
1996	167	41	47	56	66	110	487
1997	167	40	49	54	69	110	489
1998	166	38	52	53	74	111	494
1999	164	38	48	53	72	107	482
2000	166	37	49	52	63	107	474
2001	166	37	47	49	65	102	466
2002	165	34	41	50	68	98	456
2003	166	31	38	47	68	95	445
2004	149	32	35	45	66	91	418
2005	153	31	33	41	60	89	407
2006	151	30	32	39	61	85	398
2007	148	30	31	39	62	85	395
2008	150	32	30	38	57	82	389

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).
Data for Figure 39.

Table A- 40. Number of Drift Gillnet Permits Fished By Residence, 1975 – 200

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	446	228	575	1,249
1976	480	244	631	1,355
1977	500	249	610	1,359
1978	576	310	689	1,575
1979	605	369	740	1,714
1980	639	359	775	1,773
1981	642	376	782	1,800
1982	623	397	782	1,802
1983	621	424	761	1,806
1984	618	426	778	1,822
1985	608	436	784	1,828
1986	588	459	790	1,837
1987	590	451	800	1,841
1988	571	462	820	1,853
1989	566	454	851	1,871
1990	545	475	868	1,888
1991	530	474	882	1,886
1992	528	456	918	1,902
1993	505	455	950	1,910
1994	486	454	954	1,894
1995	462	470	977	1,909
1996	448	457	1,001	1,906
1997	447	445	1,001	1,893
1998	449	433	989	1,871
1999	445	435	980	1,860
2000	431	438	965	1,834
2001	396	367	806	1,569
2002	310	259	615	1,184
2003	358	316	751	1,425
2004	345	318	749	1,412
2005	338	335	778	1,451
2006	345	353	783	1,481
2007	323	356	793	1,472
2008	326	364	789	1,479

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-11 and Figure 40.

Table A- 41. Percent of Drift Gillnet Permits Fished By Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	35.7%	18.3%	46.0%	100.0%
1976	35.4%	18.0%	46.6%	100.0%
1977	36.8%	18.3%	44.9%	100.0%
1978	36.6%	19.7%	43.7%	100.0%
1979	35.3%	21.5%	43.2%	100.0%
1980	36.0%	20.2%	43.7%	100.0%
1981	35.7%	20.9%	43.4%	100.0%
1982	34.6%	22.0%	43.4%	100.0%
1983	34.4%	23.5%	42.1%	100.0%
1984	33.9%	23.4%	42.7%	100.0%
1985	33.3%	23.9%	42.9%	100.0%
1986	32.0%	25.0%	43.0%	100.0%
1987	32.0%	24.5%	43.5%	100.0%
1988	30.8%	24.9%	44.3%	100.0%
1989	30.3%	24.3%	45.5%	100.0%
1990	28.9%	25.2%	46.0%	100.0%
1991	28.1%	25.1%	46.8%	100.0%
1992	27.8%	24.0%	48.3%	100.0%
1993	26.4%	23.8%	49.7%	100.0%
1994	25.7%	24.0%	50.4%	100.0%
1995	24.2%	24.6%	51.2%	100.0%
1996	23.5%	24.0%	52.5%	100.0%
1997	23.6%	23.5%	52.9%	100.0%
1998	24.0%	23.1%	52.9%	100.0%
1999	23.9%	23.4%	52.7%	100.0%
2000	23.5%	23.9%	52.6%	100.0%
2001	25.2%	23.4%	51.4%	100.0%
2002	26.2%	21.9%	51.9%	100.0%
2003	25.1%	22.2%	52.7%	100.0%
2004	24.4%	22.5%	53.0%	100.0%
2005	23.3%	23.1%	53.6%	100.0%
2006	23.3%	23.8%	52.9%	100.0%
2007	21.9%	24.2%	53.9%	100.0%
2008	22.0%	24.6%	53.3%	100.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure 41.

Table A- 42. No. of Drift Gillnet Permits Fished By Residence within the Bristol Bay Watershed, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	231	65	60	59	80	145	640
1981	236	65	62	61	76	143	643
1982	226	54	62	60	84	138	624
1983	234	59	57	54	89	128	621
1984	233	59	57	55	90	131	625
1985	209	56	62	51	95	136	609
1986	206	52	60	54	86	130	588
1987	202	50	60	55	96	129	592
1988	202	48	51	56	85	130	572
1989	199	52	52	56	79	129	567
1990	183	47	62	55	74	125	546
1991	188	45	56	50	69	123	531
1992	191	45	54	50	74	119	533
1993	182	47	54	45	67	110	505
1994	169	41	56	46	71	111	494
1995	170	40	51	37	64	103	465
1996	159	39	47	37	67	99	448
1997	155	39	48	38	70	99	449
1998	152	36	53	38	72	102	453
1999	157	38	48	39	71	95	448
2000	162	31	43	40	65	92	433
2001	146	27	34	36	59	95	397
2002	110	24	29	15	50	83	311
2003	131	24	30	21	62	91	359
2004	123	24	31	24	59	84	345
2005	126	25	29	28	52	78	338
2006	129	28	29	23	59	78	346
2007	125	24	27	25	53	70	324
2008	126	25	24	23	50	78	326

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 42.

Table A- 43. Total Pounds Harvested in the Drift Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	7,087,842	4,776,143	14,990,270	26,854,255
1976	16,738,556	7,157,837	20,112,479	44,008,872
1977	15,359,503	7,599,109	20,229,234	43,187,846
1978	30,318,659	13,307,962	35,265,320	78,891,941
1979	30,747,516	24,484,698	66,478,684	121,710,898
1980	38,347,050	28,405,855	66,365,836	133,118,741
1981	42,707,531	30,987,293	74,845,627	148,540,451
1982	29,710,793	25,994,330	45,867,236	101,572,359
1983	48,810,622	49,163,415	105,087,913	203,061,950
1984	40,804,834	36,326,635	73,618,247	150,749,716
1985	32,492,213	34,606,203	64,425,298	131,523,714
1986	26,010,159	23,286,965	41,546,468	90,843,592
1987	26,577,228	23,498,697	43,391,685	93,467,610
1988	26,338,350	23,217,748	39,807,780	89,363,878
1989	37,120,780	35,555,917	76,786,808	149,463,505
1990	38,371,058	41,694,779	95,750,501	175,816,338
1991	30,155,157	34,848,684	71,774,384	136,778,225
1992	34,154,205	40,820,461	92,936,686	167,911,352
1993	47,243,628	51,782,960	119,114,698	218,141,286
1994	34,089,306	42,225,747	104,925,904	181,240,957
1995	39,911,052	49,674,265	128,416,402	218,001,719
1996	32,675,501	37,302,590	96,643,484	166,621,575
1997	11,512,968	15,162,508	35,911,442	62,586,918
1998	11,683,643	11,372,313	27,911,549	50,967,505
1999	23,808,535	25,868,568	63,876,474	113,553,577
2000	22,088,627	23,195,066	59,371,695	104,655,388
2001	16,368,532	17,008,990	47,257,254	80,634,776
2002	7,993,748	12,384,637	33,786,033	54,164,418
2003	16,512,580	16,767,158	45,181,762	78,461,500
2004	22,431,818	29,600,844	79,186,856	131,219,518
2005	22,819,478	29,778,350	82,976,334	135,574,162
2006	25,661,615	36,890,303	90,964,775	153,516,693
2007	24,085,445	36,597,293	93,202,483	153,885,221
2008	20,742,077	32,936,570	85,437,297	139,115,944

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure 43.

Table A- 44. Percent of Total Pounds Harvested in the Drift Gillnet Fishery by Residence, 1975-2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	26.4%	17.8%	55.8%	100.0%
1976	38.0%	16.3%	45.7%	100.0%
1977	35.6%	17.6%	46.8%	100.0%
1978	38.4%	16.9%	44.7%	100.0%
1979	25.3%	20.1%	54.6%	100.0%
1980	28.8%	21.3%	49.9%	100.0%
1981	28.8%	20.9%	50.4%	100.0%
1982	29.3%	25.6%	45.2%	100.0%
1983	24.0%	24.2%	51.8%	100.0%
1984	27.1%	24.1%	48.8%	100.0%
1985	24.7%	26.3%	49.0%	100.0%
1986	28.6%	25.6%	45.7%	100.0%
1987	28.4%	25.1%	46.4%	100.0%
1988	29.5%	26.0%	44.5%	100.0%
1989	24.8%	23.8%	51.4%	100.0%
1990	21.8%	23.7%	54.5%	100.0%
1991	22.0%	25.5%	52.5%	100.0%
1992	20.3%	24.3%	55.3%	100.0%
1993	21.7%	23.7%	54.6%	100.0%
1994	18.8%	23.3%	57.9%	100.0%
1995	18.3%	22.8%	58.9%	100.0%
1996	19.6%	22.4%	58.0%	100.0%
1997	18.4%	24.2%	57.4%	100.0%
1998	22.9%	22.3%	54.8%	100.0%
1999	21.0%	22.8%	56.3%	100.0%
2000	21.1%	22.2%	56.7%	100.0%
2001	20.3%	21.1%	58.6%	100.0%
2002	14.8%	22.9%	62.4%	100.0%
2003	21.0%	21.4%	57.6%	100.0%
2004	17.1%	22.6%	60.3%	100.0%
2005	16.8%	22.0%	61.2%	100.0%
2006	16.7%	24.0%	59.3%	100.0%
2007	15.7%	23.8%	60.6%	100.0%
2008	14.9%	23.7%	61.4%	100.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-12 and Figure 44.

Table A- 45. Average Pounds per Permit Fished in the Drift Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	15,892	20,948	26,070	21,501
1976	34,872	29,335	31,874	32,479
1977	30,719	30,519	33,163	31,779
1978	52,637	42,929	51,183	50,090
1979	50,822	66,354	89,836	71,010
1980	60,011	79,125	85,633	75,081
1981	66,523	82,413	95,711	82,522
1982	47,690	65,477	58,654	56,366
1983	78,600	115,951	138,092	112,437
1984	66,027	85,274	94,625	82,739
1985	53,441	79,372	82,175	71,950
1986	44,235	50,734	52,590	49,452
1987	45,046	52,104	54,240	50,770
1988	46,127	50,255	48,546	48,227
1989	65,584	78,317	90,231	79,884
1990	70,406	87,778	110,312	93,123
1991	56,897	73,520	81,377	72,523
1992	64,686	89,519	101,238	88,281
1993	93,552	113,809	125,384	114,210
1994	70,143	93,008	109,985	95,692
1995	86,388	105,690	131,440	114,197
1996	72,936	81,625	96,547	87,420
1997	25,756	34,073	35,876	33,062
1998	26,021	26,264	28,222	27,241
1999	53,502	59,468	65,180	61,050
2000	51,250	52,957	61,525	57,064
2001	41,335	46,346	58,632	51,392
2002	25,786	47,817	54,937	45,747
2003	46,125	53,061	60,162	55,061
2004	65,020	93,084	105,723	92,932
2005	67,513	88,891	106,653	93,435
2006	74,381	104,505	116,175	103,657
2007	74,568	102,801	117,532	104,542
2008	63,626	90,485	108,286	94,061

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-13 and Figure 45.

Table A- 46. Average Lbs per Permit by Watershed Residents as a Percent of Average Lbs per Permit of Other Regions, 1975 - 2008

Year	Bristol Bay	Bristol Bay v. Other Alaska	Bristol Bay v. Outside Alaska	Total
1975	100.0%	75.9%	61.0%	73.9%
1976	100.0%	118.9%	109.4%	107.4%
1977	100.0%	100.7%	92.6%	96.7%
1978	100.0%	122.6%	102.8%	105.1%
1979	100.0%	76.6%	56.6%	71.6%
1980	100.0%	75.8%	70.1%	79.9%
1981	100.0%	80.7%	69.5%	80.6%
1982	100.0%	72.8%	81.3%	84.6%
1983	100.0%	67.8%	56.9%	69.9%
1984	100.0%	77.4%	69.8%	79.8%
1985	100.0%	67.3%	65.0%	74.3%
1986	100.0%	87.2%	84.1%	89.5%
1987	100.0%	86.5%	83.1%	88.7%
1988	100.0%	91.8%	95.0%	95.6%
1989	100.0%	83.7%	72.7%	82.1%
1990	100.0%	80.2%	63.8%	75.6%
1991	100.0%	77.4%	69.9%	78.5%
1992	100.0%	72.3%	63.9%	73.3%
1993	100.0%	82.2%	74.6%	81.9%
1994	100.0%	75.4%	63.8%	73.3%
1995	100.0%	81.7%	65.7%	75.6%
1996	100.0%	89.4%	75.5%	83.4%
1997	100.0%	75.6%	71.8%	77.9%
1998	100.0%	99.1%	92.2%	95.5%
1999	100.0%	90.0%	82.1%	87.6%
2000	100.0%	96.8%	83.3%	89.8%
2001	100.0%	89.2%	70.5%	80.4%
2002	100.0%	53.9%	46.9%	56.4%
2003	100.0%	86.9%	76.7%	83.8%
2004	100.0%	69.9%	61.5%	70.0%
2005	100.0%	76.0%	63.3%	72.3%
2006	100.0%	71.2%	64.0%	71.8%
2007	100.0%	72.5%	63.4%	71.3%
2008	100.0%	70.3%	58.8%	67.6%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-14 and Figure 46.

Table A- 47. Total Pounds Harvested in the Drift Gillnet Fishery by Watershed Residents, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	15,868,961	3,158,926	4,515,196	2,984,499	4,565,405	7,254,063	38,347,050
1981	20,097,613	2,977,024	5,063,805	3,459,341	4,052,446	7,057,302	42,707,531
1982	12,797,450	1,675,416	4,214,038	1,796,334	3,421,471	5,806,084	29,710,793
1983	18,802,255	5,221,653	5,818,453	2,992,212	9,594,601	6,381,448	48,810,622
1984	14,307,700	4,327,133	4,746,360	2,387,733	8,045,673	6,990,236	40,804,834
1985	12,582,347	2,766,669	4,578,702	1,761,038	6,033,415	4,770,042	32,492,213
1986	9,454,077	2,202,747	2,769,678	1,962,021	3,985,074	5,636,562	26,010,159
1987	9,603,829	1,764,608	2,512,965	2,153,404	4,410,695	6,131,727	26,577,228
1988	8,568,773	1,776,799	2,898,990	1,825,479	3,629,648	7,638,661	26,338,350
1989	14,769,918	3,336,871	4,274,812	3,481,923	5,982,587	5,274,669	37,120,780
1990	13,987,110	3,683,413	4,200,625	3,233,706	7,279,016	5,987,188	38,371,058
1991	12,401,308	1,721,220	3,490,292	2,688,344	3,639,039	6,214,954	30,155,157
1992	13,232,645	2,600,476	4,423,055	2,497,149	5,290,640	6,110,240	34,154,205
1993	21,055,424	3,263,340	5,640,903	3,812,113	5,728,243	7,743,605	47,243,628
1994	12,485,562	2,777,981	4,672,726	2,098,008	6,000,598	6,054,431	34,089,306
1995	16,615,908	3,008,883	4,449,217	2,728,174	5,889,612	7,219,258	39,911,052
1996	12,569,601	2,683,478	3,297,774	2,554,946	4,913,675	6,656,027	32,675,501
1997	4,535,509	479,743	2,238,545	728,144	1,532,493	1,998,534	11,512,968
1998	4,527,539	610,287	1,357,053	793,264	1,702,464	2,693,036	11,683,643
1999	10,296,411	1,326,920	2,764,129	1,783,606	3,848,631	3,788,838	23,808,535
2000	9,728,247	859,235	1,782,804	1,649,950	2,982,029	5,086,362	22,088,627
2001	5,867,401	844,835	1,036,208	948,207	3,237,413	4,434,468	16,368,532
2002	2,789,175	347,441	1,475,866	278,491	1,447,622	1,655,152	7,993,748
2003	7,885,467	731,086	1,057,347	837,889	2,721,857	3,278,934	16,512,580
2004	9,894,272	1,063,231	2,521,333	1,429,829	4,022,912	3,500,242	22,431,818
2005	9,388,947	1,649,523	1,947,727	1,493,809	4,842,720	3,496,753	22,819,478
2006	11,126,686	1,678,950	2,468,471	1,353,373	4,475,586	4,558,549	25,661,615
2007	9,337,152	1,793,294	2,413,316	1,229,056	5,141,376	4,171,251	24,085,445
2008	8,536,627	1,561,001	1,461,947	957,501	3,959,444	4,265,557	20,742,077

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 47.

Table A- 48. Average Lbs. Harvested / Permit in the Drift Gillnet Fishery by Watershed Residents, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	68,697	48,599	75,253	50,585	57,068	50,028	350,229
1981	85,159	45,800	81,674	56,711	53,322	49,352	372,018
1982	56,626	31,026	67,968	29,939	40,732	42,073	268,364
1983	80,352	88,503	102,078	55,411	107,805	49,855	484,003
1984	61,406	73,341	83,269	43,413	89,396	53,361	404,187
1985	60,203	49,405	73,850	34,530	63,510	35,074	316,571
1986	45,894	42,361	46,161	36,334	46,338	43,358	260,445
1987	47,544	35,292	41,883	39,153	45,945	47,533	257,349
1988	42,420	37,017	56,843	32,598	42,702	58,759	270,338
1989	74,221	64,171	82,208	62,177	75,729	40,889	399,394
1990	76,432	78,370	67,752	58,795	98,365	47,898	427,612
1991	65,964	38,249	62,327	53,767	52,740	50,528	323,575
1992	69,281	57,788	81,908	49,943	71,495	51,347	381,762
1993	115,689	69,433	104,461	84,714	85,496	70,396	530,189
1994	73,879	67,756	83,442	45,609	84,515	54,544	409,745
1995	97,741	75,222	87,240	73,734	92,025	70,090	496,052
1996	79,054	68,807	70,165	69,053	73,338	67,233	427,650
1997	29,261	12,301	46,636	19,162	21,893	20,187	149,440
1998	29,786	16,952	25,605	20,875	23,645	26,402	143,267
1999	65,582	34,919	57,586	45,733	54,206	39,883	297,909
2000	60,051	27,717	41,461	41,249	45,877	55,287	271,641
2001	40,188	31,290	30,477	26,339	54,871	46,679	229,844
2002	25,356	14,477	50,892	18,566	28,952	19,942	158,185
2003	60,194	30,462	35,245	39,899	43,901	36,032	245,734
2004	80,441	44,301	81,333	59,576	68,185	41,670	375,507
2005	74,515	65,981	67,163	53,350	93,129	44,830	398,969
2006	86,253	59,963	85,120	58,842	75,857	58,443	424,478
2007	74,697	74,721	89,382	49,162	97,007	59,589	444,559
2008	67,751	62,440	60,914	41,630	79,189	54,687	366,611

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 48.

Table A- 49. Range of Average Pounds per Permit by Various Regions within the Watershed, 1980 - 2008

Year	Average	Low	High
1980	59,917	48,599	75,253
1981	66,419	45,800	85,159
1982	47,613	29,939	67,968
1983	78,600	49,855	107,805
1984	65,288	43,413	89,396
1985	53,353	34,530	73,850
1986	44,235	36,334	46,338
1987	44,894	35,292	47,544
1988	46,046	32,598	58,759
1989	65,469	40,889	82,208
1990	70,277	47,898	98,365
1991	56,789	38,249	65,964
1992	64,079	49,943	81,908
1993	93,552	69,433	115,689
1994	69,007	45,609	84,515
1995	85,830	70,090	97,741
1996	72,936	67,233	79,054
1997	25,641	12,301	46,636
1998	25,792	16,952	29,786
1999	53,144	34,919	65,582
2000	51,013	27,717	60,051
2001	41,231	26,339	54,871
2002	25,703	14,477	50,892
2003	45,996	30,462	60,194
2004	65,020	41,670	81,333
2005	67,513	44,830	93,129
2006	74,167	58,443	86,253
2007	74,338	49,162	97,007
2008	63,626	41,630	79,189

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 49.

Table A- 50. Imputed Nominal and Real (Adjusted for Inflation) Revenue per Pound Landed, 1975 - 2008

Year	Nominal	Real (Inflation Adjusted)
1975	\$0.39	\$1.12
1976	\$0.45	\$1.27
1977	\$0.56	\$1.55
1978	\$0.62	\$1.71
1979	\$0.99	\$2.68
1980	\$0.55	\$1.46
1981	\$0.76	\$1.83
1982	\$0.68	\$1.61
1983	\$0.63	\$1.38
1984	\$0.62	\$1.29
1985	\$0.81	\$1.64
1986	\$1.31	\$2.62
1987	\$1.29	\$2.48
1988	\$1.87	\$3.47
1989	\$1.20	\$2.12
1990	\$1.06	\$1.78
1991	\$0.73	\$1.17
1992	\$1.09	\$1.69
1993	\$0.67	\$1.01
1994	\$0.96	\$1.42
1995	\$0.78	\$1.12
1996	\$0.78	\$1.09
1997	\$0.91	\$1.23
1998	\$1.12	\$1.50
1999	\$0.82	\$1.07
2000	\$0.65	\$0.83
2001	\$0.40	\$0.49
2002	\$0.47	\$0.57
2003	\$0.48	\$0.58
2004	\$0.50	\$0.58
2005	\$0.59	\$0.67
2006	\$0.63	\$0.67
2007	\$0.64	\$0.67
2008	\$0.65	\$0.65

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-15 and Figure 50.

Table A- 51. Revenue per Pound by Region as a Percent of Overall Revenue per Pound, 1975 – 2008

Year	Bristol Bay	Other Alaska	Outside Alaska
1975	98%	101%	101%
1976	96%	99%	104%
1977	96%	98%	104%
1978	93%	101%	106%
1979	96%	100%	102%
1980	97%	100%	102%
1981	99%	100%	101%
1982	99%	100%	100%
1983	98%	100%	101%
1984	94%	101%	103%
1985	96%	101%	101%
1986	93%	102%	103%
1987	93%	102%	103%
1988	90%	102%	106%
1989	95%	101%	102%
1990	97%	100%	101%
1991	96%	100%	101%
1992	94%	101%	102%
1993	98%	100%	101%
1994	95%	100%	102%
1995	96%	100%	101%
1996	95%	100%	102%
1997	95%	100%	102%
1998	92%	101%	103%
1999	98%	100%	101%
2000	97%	100%	101%
2001	95%	100%	102%
2002	94%	100%	102%
2003	98%	100%	101%
2004	96%	100%	101%
2005	96%	100%	101%
2006	96%	100%	101%
2007	97%	100%	101%
2008	94%	100%	101%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-16 and Figure 51.

Table A- 52. Ex-vessel Revenue in the Drift Gillnet Fishery by Region of Residence, 1975 – 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	\$2,710,503	\$1,882,401	\$5,936,634	\$10,529,538
1976	\$7,237,917	\$3,206,153	\$9,414,856	\$19,858,926
1977	\$8,213,395	\$4,149,044	\$11,695,950	\$24,058,389
1978	\$17,597,001	\$8,361,022	\$23,225,019	\$49,183,042
1979	\$29,063,845	\$24,070,479	\$67,062,264	\$120,196,588
1980	\$20,229,259	\$15,486,469	\$36,868,261	\$72,583,989
1981	\$31,971,695	\$23,482,390	\$57,032,974	\$112,487,059
1982	\$20,063,892	\$17,673,218	\$31,337,888	\$69,074,998
1983	\$29,975,918	\$30,935,862	\$66,696,532	\$127,608,312
1984	\$23,668,685	\$22,588,013	\$46,500,671	\$92,757,369
1985	\$25,358,692	\$28,332,148	\$53,005,754	\$106,696,594
1986	\$31,534,867	\$31,189,425	\$56,204,195	\$118,928,487
1987	\$31,940,154	\$30,807,877	\$57,621,564	\$120,369,595
1988	\$44,201,503	\$44,443,351	\$78,798,317	\$167,443,171
1989	\$42,183,937	\$42,997,128	\$94,285,225	\$179,466,290
1990	\$39,263,719	\$44,024,293	\$102,797,753	\$186,085,765
1991	\$21,032,269	\$25,362,591	\$52,835,548	\$99,230,408
1992	\$34,921,039	\$44,558,834	\$102,737,140	\$182,217,013
1993	\$30,746,985	\$34,550,880	\$80,078,034	\$145,375,899
1994	\$31,038,949	\$40,826,865	\$102,704,084	\$174,569,898
1995	\$29,929,618	\$38,795,802	\$101,303,979	\$170,029,399
1996	\$24,283,018	\$29,322,807	\$77,006,370	\$130,612,195
1997	\$9,897,372	\$13,755,122	\$33,038,573	\$56,691,067
1998	\$12,048,059	\$12,834,839	\$32,320,047	\$57,202,945
1999	\$19,117,625	\$21,236,155	\$52,542,169	\$92,895,949
2000	\$13,970,048	\$15,216,988	\$39,225,303	\$68,412,339
2001	\$6,244,491	\$6,807,581	\$19,362,743	\$32,414,815
2002	\$3,511,489	\$5,810,769	\$16,110,158	\$25,432,416
2003	\$7,802,338	\$8,097,898	\$22,099,182	\$37,999,418
2004	\$10,732,837	\$14,840,686	\$40,096,117	\$65,669,640
2005	\$12,996,830	\$17,639,525	\$49,922,969	\$80,559,324
2006	\$15,392,482	\$23,050,705	\$57,620,847	\$96,064,034
2007	\$14,835,213	\$23,267,953	\$60,011,493	\$98,114,659
2008	\$12,658,151	\$21,457,584	\$56,358,031	\$90,473,766

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-17 and Figure 52.

Table A- 53. Percent of Total Revenue in the Drift Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	25.7%	17.9%	56.4%	100.0%
1976	36.4%	16.1%	47.4%	100.0%
1977	34.1%	17.2%	48.6%	100.0%
1978	35.8%	17.0%	47.2%	100.0%
1979	24.2%	20.0%	55.8%	100.0%
1980	27.9%	21.3%	50.8%	100.0%
1981	28.4%	20.9%	50.7%	100.0%
1982	29.0%	25.6%	45.4%	100.0%
1983	23.5%	24.2%	52.3%	100.0%
1984	25.5%	24.4%	50.1%	100.0%
1985	23.8%	26.6%	49.7%	100.0%
1986	26.5%	26.2%	47.3%	100.0%
1987	26.5%	25.6%	47.9%	100.0%
1988	26.4%	26.5%	47.1%	100.0%
1989	23.5%	24.0%	52.5%	100.0%
1990	21.1%	23.7%	55.2%	100.0%
1991	21.2%	25.6%	53.2%	100.0%
1992	19.2%	24.5%	56.4%	100.0%
1993	21.1%	23.8%	55.1%	100.0%
1994	17.8%	23.4%	58.8%	100.0%
1995	17.6%	22.8%	59.6%	100.0%
1996	18.6%	22.5%	59.0%	100.0%
1997	17.5%	24.3%	58.3%	100.0%
1998	21.1%	22.4%	56.5%	100.0%
1999	20.6%	22.9%	56.6%	100.0%
2000	20.4%	22.2%	57.3%	100.0%
2001	19.3%	21.0%	59.7%	100.0%
2002	13.8%	22.8%	63.3%	100.0%
2003	20.5%	21.3%	58.2%	100.0%
2004	16.3%	22.6%	61.1%	100.0%
2005	16.1%	21.9%	62.0%	100.0%
2006	16.0%	24.0%	60.0%	100.0%
2007	15.1%	23.7%	61.2%	100.0%
2008	14.0%	23.7%	62.3%	100.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).
Data for Figure ES-18 and Figure 53.

Table A- 54. Average Revenue per Permit Fished in the Drift Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	\$6,077	\$8,256	\$10,325	\$8,430
1976	\$15,079	\$13,140	\$14,921	\$14,656
1977	\$16,427	\$16,663	\$19,174	\$17,703
1978	\$30,550	\$26,971	\$33,708	\$31,227
1979	\$48,039	\$65,232	\$90,625	\$70,126
1980	\$31,658	\$43,138	\$47,572	\$40,939
1981	\$49,800	\$62,453	\$72,932	\$62,493
1982	\$32,205	\$44,517	\$40,074	\$38,332
1983	\$48,270	\$72,962	\$87,643	\$70,658
1984	\$38,299	\$53,024	\$59,770	\$50,910
1985	\$41,708	\$64,982	\$67,609	\$58,368
1986	\$53,631	\$67,951	\$71,145	\$64,741
1987	\$54,136	\$68,310	\$72,027	\$65,383
1988	\$77,411	\$96,198	\$96,096	\$90,363
1989	\$74,530	\$94,707	\$110,793	\$95,920
1990	\$72,044	\$92,683	\$118,431	\$98,562
1991	\$39,684	\$53,508	\$59,904	\$52,614
1992	\$66,138	\$97,717	\$111,914	\$95,803
1993	\$60,885	\$75,936	\$84,293	\$76,113
1994	\$63,866	\$89,927	\$107,656	\$92,170
1995	\$64,783	\$82,544	\$103,689	\$89,067
1996	\$54,203	\$64,164	\$76,929	\$68,527
1997	\$22,142	\$30,910	\$33,006	\$29,948
1998	\$26,833	\$29,642	\$32,680	\$30,573
1999	\$42,961	\$48,819	\$53,614	\$49,944
2000	\$32,413	\$34,742	\$40,648	\$37,302
2001	\$15,769	\$18,549	\$24,023	\$20,660
2002	\$11,327	\$22,435	\$26,195	\$21,480
2003	\$21,794	\$25,626	\$29,426	\$26,666
2004	\$31,110	\$46,669	\$53,533	\$46,508
2005	\$38,452	\$52,655	\$64,168	\$55,520
2006	\$44,616	\$65,299	\$73,590	\$64,864
2007	\$45,929	\$65,359	\$75,677	\$66,654
2008	\$38,829	\$58,949	\$71,430	\$61,172

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).
Data for Figure ES-19 and Figure 54.

Table A- 55. Average Revenue per Permit Fished in the Drift Gillnet Fishery by Residence, 1975 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	\$8,163,169	\$1,739,773	\$2,588,723	\$1,521,421	\$2,489,715	\$3,726,456	\$20,229,257
1981	\$15,116,626	\$2,258,337	\$3,904,222	\$2,602,062	\$3,057,966	\$5,032,484	\$31,971,696
1982	\$8,554,540	\$1,138,171	\$2,949,759	\$1,126,471	\$2,301,218	\$3,993,733	\$20,063,892
1983	\$11,437,173	\$3,324,529	\$3,705,016	\$1,785,589	\$6,088,924	\$3,634,688	\$29,975,919
1984	\$7,706,161	\$2,736,613	\$3,098,348	\$1,262,003	\$5,102,501	\$3,763,058	\$23,668,684
1985	\$9,724,293	\$2,244,454	\$3,773,308	\$1,364,488	\$4,891,916	\$3,360,235	\$25,358,693
1986	\$11,854,743	\$2,861,926	\$3,728,461	\$2,337,474	\$5,136,466	\$5,615,796	\$31,534,866
1987	\$12,072,115	\$2,350,778	\$3,275,753	\$2,673,723	\$5,738,025	\$5,829,760	\$31,940,154
1988	\$15,201,093	\$3,073,493	\$5,577,006	\$3,148,938	\$5,978,066	\$11,222,908	\$44,201,503
1989	\$16,800,282	\$4,090,834	\$5,161,320	\$3,936,980	\$7,242,814	\$4,951,706	\$42,183,936
1990	\$14,346,654	\$3,920,917	\$4,426,332	\$3,286,501	\$7,515,503	\$5,767,812	\$39,263,719
1991	\$8,704,319	\$1,214,611	\$2,536,396	\$1,888,919	\$2,603,549	\$4,084,475	\$21,032,269
1992	\$13,448,717	\$2,805,817	\$4,793,591	\$2,488,123	\$5,591,057	\$5,793,734	\$34,921,039
1993	\$13,682,529	\$2,187,615	\$3,795,909	\$2,442,071	\$3,846,635	\$4,792,225	\$30,746,984
1994	\$11,359,455	\$2,701,726	\$4,442,900	\$1,924,363	\$5,824,881	\$4,785,623	\$31,038,948
1995	\$12,454,613	\$2,364,583	\$3,472,529	\$2,011,085	\$4,626,883	\$4,999,925	\$29,929,618
1996	\$9,459,736	\$2,128,931	\$2,563,432	\$1,942,225	\$3,877,059	\$4,311,636	\$24,283,019
1997	\$3,894,488	\$440,693	\$1,973,188	\$612,723	\$1,383,617	\$1,592,663	\$9,897,372
1998	\$4,655,558	\$705,027	\$1,506,125	\$836,039	\$1,897,099	\$2,448,212	\$12,048,059
1999	\$8,404,114	\$1,090,578	\$2,282,202	\$1,457,281	\$3,151,020	\$2,732,429	\$19,117,624
2000	\$6,214,286	\$565,843	\$1,138,250	\$1,083,948	\$1,938,862	\$3,028,858	\$13,970,047
2001	\$2,206,009	\$354,548	\$423,477	\$359,723	\$1,345,397	\$1,555,340	\$6,244,492
2002	\$1,204,427	\$166,223	\$714,945	\$119,252	\$698,073	\$608,569	\$3,511,489
2003	\$3,657,115	\$365,656	\$530,591	\$387,761	\$1,352,936	\$1,508,280	\$7,802,338
2004	\$4,686,137	\$543,340	\$1,289,327	\$671,683	\$2,027,095	\$1,515,256	\$10,732,837
2005	\$5,243,354	\$1,008,226	\$1,173,352	\$820,823	\$2,935,558	\$1,815,516	\$12,996,829
2006	\$6,705,363	\$1,078,646	\$1,602,350	\$827,946	\$2,840,497	\$2,337,679	\$15,392,482
2007	\$5,671,131	\$1,175,569	\$1,584,720	\$756,830	\$3,332,602	\$2,314,361	\$14,835,213
2008	\$5,295,255	\$1,045,776	\$968,700	\$601,168	\$2,597,735	\$2,149,518	\$12,658,151

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).
Data for Figure 55.

Table A- 56. Percent of Total Watershed Revenue in the Drift Gillnet Fishery by Area of Residence, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	40.4%	8.6%	12.8%	7.5%	12.3%	18.4%	100.0%
1981	47.3%	7.1%	12.2%	8.1%	9.6%	15.7%	100.0%
1982	42.6%	5.7%	14.7%	5.6%	11.5%	19.9%	100.0%
1983	38.2%	11.1%	12.4%	6.0%	20.3%	12.1%	100.0%
1984	32.6%	11.6%	13.1%	5.3%	21.6%	15.9%	100.0%
1985	38.3%	8.9%	14.9%	5.4%	19.3%	13.3%	100.0%
1986	37.6%	9.1%	11.8%	7.4%	16.3%	17.8%	100.0%
1987	37.8%	7.4%	10.3%	8.4%	18.0%	18.3%	100.0%
1988	34.4%	7.0%	12.6%	7.1%	13.5%	25.4%	100.0%
1989	39.8%	9.7%	12.2%	9.3%	17.2%	11.7%	100.0%
1990	36.5%	10.0%	11.3%	8.4%	19.1%	14.7%	100.0%
1991	41.4%	5.8%	12.1%	9.0%	12.4%	19.4%	100.0%
1992	38.5%	8.0%	13.7%	7.1%	16.0%	16.6%	100.0%
1993	44.5%	7.1%	12.3%	7.9%	12.5%	15.6%	100.0%
1994	36.6%	8.7%	14.3%	6.2%	18.8%	15.4%	100.0%
1995	41.6%	7.9%	11.6%	6.7%	15.5%	16.7%	100.0%
1996	39.0%	8.8%	10.6%	8.0%	16.0%	17.8%	100.0%
1997	39.3%	4.5%	19.9%	6.2%	14.0%	16.1%	100.0%
1998	38.6%	5.9%	12.5%	6.9%	15.7%	20.3%	100.0%
1999	44.0%	5.7%	11.9%	7.6%	16.5%	14.3%	100.0%
2000	44.5%	4.1%	8.1%	7.8%	13.9%	21.7%	100.0%
2001	35.3%	5.7%	6.8%	5.8%	21.5%	24.9%	100.0%
2002	34.3%	4.7%	20.4%	3.4%	19.9%	17.3%	100.0%
2003	46.9%	4.7%	6.8%	5.0%	17.3%	19.3%	100.0%
2004	43.7%	5.1%	12.0%	6.3%	18.9%	14.1%	100.0%
2005	40.3%	7.8%	9.0%	6.3%	22.6%	14.0%	100.0%
2006	43.6%	7.0%	10.4%	5.4%	18.5%	15.2%	100.0%
2007	38.2%	7.9%	10.7%	5.1%	22.5%	15.6%	100.0%
2008	41.8%	8.3%	7.7%	4.7%	20.5%	17.0%	100.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 56.

Table A- 57. Average Revenue / Permit Fished in the Drift Gillnet Fishery by Watershed Residents, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	\$35,338	\$26,766	\$43,145	\$25,787	\$31,121	\$25,700	\$187,857
1981	\$64,053	\$34,744	\$62,971	\$42,657	\$40,236	\$35,192	\$279,854
1982	\$37,852	\$21,077	\$47,577	\$18,775	\$27,395	\$28,940	\$181,616
1983	\$48,877	\$56,348	\$65,000	\$33,066	\$68,415	\$28,396	\$300,102
1984	\$33,074	\$46,383	\$54,357	\$22,946	\$56,694	\$28,726	\$242,180
1985	\$46,528	\$40,080	\$60,860	\$26,755	\$51,494	\$24,708	\$250,423
1986	\$57,547	\$55,037	\$62,141	\$43,287	\$59,726	\$43,198	\$320,937
1987	\$59,763	\$47,016	\$54,596	\$48,613	\$59,771	\$45,192	\$314,951
1988	\$75,253	\$64,031	\$109,353	\$56,231	\$70,330	\$86,330	\$461,528
1989	\$84,424	\$78,670	\$99,256	\$70,303	\$91,681	\$38,385	\$462,719
1990	\$78,397	\$83,424	\$71,392	\$59,755	\$101,561	\$46,142	\$440,671
1991	\$46,300	\$26,991	\$45,293	\$37,778	\$37,733	\$33,207	\$227,302
1992	\$70,412	\$62,351	\$88,770	\$49,762	\$75,555	\$48,687	\$395,538
1993	\$75,179	\$46,545	\$70,295	\$54,268	\$57,412	\$43,566	\$347,265
1994	\$67,216	\$65,896	\$79,338	\$41,834	\$82,041	\$43,114	\$379,437
1995	\$73,262	\$59,115	\$68,089	\$54,354	\$72,295	\$48,543	\$375,657
1996	\$59,495	\$54,588	\$54,541	\$52,493	\$57,867	\$43,552	\$322,535
1997	\$25,126	\$11,300	\$41,108	\$16,124	\$19,766	\$16,088	\$129,511
1998	\$30,629	\$19,584	\$28,417	\$22,001	\$26,349	\$24,002	\$150,982
1999	\$53,529	\$28,699	\$47,546	\$37,366	\$44,381	\$28,762	\$240,284
2000	\$38,360	\$18,253	\$26,471	\$27,099	\$29,829	\$32,922	\$172,933
2001	\$15,110	\$13,131	\$12,455	\$9,992	\$22,803	\$16,372	\$89,864
2002	\$10,949	\$6,926	\$24,653	\$7,950	\$13,961	\$7,332	\$71,772
2003	\$27,917	\$15,236	\$17,686	\$18,465	\$21,822	\$16,575	\$117,700
2004	\$38,099	\$22,639	\$41,591	\$27,987	\$34,358	\$18,039	\$182,712
2005	\$41,614	\$40,329	\$40,460	\$29,315	\$56,453	\$23,276	\$231,447
2006	\$51,980	\$38,523	\$55,253	\$35,998	\$48,144	\$29,970	\$259,868
2007	\$45,369	\$48,982	\$58,693	\$30,273	\$62,879	\$33,062	\$279,259
2008	\$42,026	\$41,831	\$40,363	\$26,138	\$51,955	\$27,558	\$229,870

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 57.

Table A- 58. Range of Average Revenues / Drift Gillnet Permit within the Watershed, 1980 - 2008

Year	Average	Low	High
1980	\$31,363	\$25,700	\$43,145
1981	\$49,112	\$34,744	\$64,053
1982	\$31,747	\$18,775	\$47,577
1983	\$47,732	\$28,396	\$68,415
1984	\$37,629	\$22,946	\$56,694
1985	\$41,436	\$24,708	\$60,860
1986	\$52,911	\$43,198	\$62,141
1987	\$52,707	\$45,192	\$59,771
1988	\$76,209	\$56,231	\$109,353
1989	\$73,236	\$38,385	\$99,256
1990	\$71,001	\$46,142	\$101,561
1991	\$39,093	\$26,991	\$46,300
1992	\$64,430	\$48,687	\$88,770
1993	\$60,407	\$43,566	\$75,179
1994	\$61,585	\$41,834	\$82,041
1995	\$63,680	\$48,543	\$73,262
1996	\$53,605	\$43,552	\$59,495
1997	\$21,516	\$11,300	\$41,108
1998	\$26,191	\$19,584	\$30,629
1999	\$42,017	\$28,699	\$53,529
2000	\$32,115	\$18,253	\$38,360
2001	\$15,534	\$9,992	\$22,803
2002	\$11,255	\$6,926	\$24,653
2003	\$21,435	\$15,236	\$27,917
2004	\$30,930	\$18,039	\$41,591
2005	\$37,892	\$23,276	\$56,453
2006	\$44,231	\$29,970	\$55,253
2007	\$45,788	\$30,273	\$62,879
2008	\$38,829	\$26,138	\$51,955

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 58.

Table A- 59. Average Revenue by Residence as a Percent of Fishery-Wide Average Revenue, 1975 – 2008

Year	Bristol Bay	Other Alaska	Outside Alaska
1975	72.1%	97.9%	122.5%
1976	102.9%	89.7%	101.8%
1977	92.8%	94.1%	108.3%
1978	97.8%	86.4%	107.9%
1979	68.5%	93.0%	129.2%
1980	77.3%	105.4%	116.2%
1981	79.7%	99.9%	116.7%
1982	84.0%	116.1%	104.5%
1983	68.3%	103.3%	124.0%
1984	75.2%	104.2%	117.4%
1985	71.5%	111.3%	115.8%
1986	82.8%	105.0%	109.9%
1987	82.8%	104.5%	110.2%
1988	85.7%	106.5%	106.3%
1989	77.7%	98.7%	115.5%
1990	73.1%	94.0%	120.2%
1991	75.4%	101.7%	113.9%
1992	69.0%	102.0%	116.8%
1993	80.0%	99.8%	110.7%
1994	69.3%	97.6%	116.8%
1995	72.7%	92.7%	116.4%
1996	79.1%	93.6%	112.3%
1997	73.9%	103.2%	110.2%
1998	87.8%	97.0%	106.9%
1999	86.0%	97.7%	107.3%
2000	86.9%	93.1%	109.0%
2001	76.3%	89.8%	116.3%
2002	52.7%	104.4%	122.0%
2003	81.7%	96.1%	110.4%
2004	66.9%	100.3%	115.1%
2005	69.3%	94.8%	115.6%
2006	68.8%	100.7%	113.5%
2007	68.9%	98.1%	113.5%
2008	63.5%	96.4%	116.8%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).
Data for Figure ES-20 and Figure 59.

Table A- 60. Average Drift Gillnet Revenue in the Watershed as a Percent of Fishery-wide Average, 1980 - 2009

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area
1980	86.3%	65.4%	105.4%	63.0%	76.0%	62.8%
1981	102.5%	55.6%	100.8%	68.3%	64.4%	56.3%
1982	98.7%	55.0%	124.1%	49.0%	71.5%	75.5%
1983	69.2%	79.7%	92.0%	46.8%	96.8%	40.2%
1984	65.0%	91.1%	106.8%	45.1%	111.4%	56.4%
1985	79.7%	68.7%	104.3%	45.8%	88.2%	42.3%
1986	88.9%	85.0%	96.0%	66.9%	92.3%	66.7%
1987	91.4%	71.9%	83.5%	74.4%	91.4%	69.1%
1988	83.3%	70.9%	121.0%	62.2%	77.8%	95.5%
1989	88.0%	82.0%	103.5%	73.3%	95.6%	40.0%
1990	79.5%	84.6%	72.4%	60.6%	103.0%	46.8%
1991	88.0%	51.3%	86.1%	71.8%	71.7%	63.1%
1992	73.5%	65.1%	92.7%	51.9%	78.9%	50.8%
1993	98.8%	61.2%	92.4%	71.3%	75.4%	57.2%
1994	72.9%	71.5%	86.1%	45.4%	89.0%	46.8%
1995	82.3%	66.4%	76.4%	61.0%	81.2%	54.5%
1996	86.8%	79.7%	79.6%	76.6%	84.4%	63.6%
1997	83.9%	37.7%	137.3%	53.8%	66.0%	53.7%
1998	100.2%	64.1%	92.9%	72.0%	86.2%	78.5%
1999	107.2%	57.5%	95.2%	74.8%	88.9%	57.6%
2000	102.8%	48.9%	71.0%	72.6%	80.0%	88.3%
2001	73.1%	63.6%	60.3%	48.4%	110.4%	79.2%
2002	51.0%	32.2%	114.8%	37.0%	65.0%	34.1%
2003	104.7%	57.1%	66.3%	69.2%	81.8%	62.2%
2004	81.9%	48.7%	89.4%	60.2%	73.9%	38.8%
2005	75.0%	72.6%	72.9%	52.8%	101.7%	41.9%
2006	80.1%	59.4%	85.2%	55.5%	74.2%	46.2%
2007	68.1%	73.5%	88.1%	45.4%	94.3%	49.6%
2008	68.7%	68.4%	66.0%	42.7%	84.9%	45.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 60.

Set Gillnet Fishery Tables

Table A- 61. Number of Set Gillnet Permits Held By Residence, 1975 - 2008

Year	Outside Alaska	Other Alaska	Bristol Bay	Total
1975	167	252	509	928
1976	138	186	440	764
1977	156	188	496	840
1978	161	211	538	910
1979	170	225	539	934
1980	200	213	534	947
1981	211	221	523	955
1982	219	259	479	957
1983	222	265	473	960
1984	223	273	466	962
1985	222	269	468	959
1986	225	290	447	962
1987	226	286	448	960
1988	232	272	454	958
1989	244	292	489	1,025
1990	246	309	471	1,026
1991	256	307	461	1,024
1992	254	300	471	1,025
1993	261	297	464	1,022
1994	260	294	465	1,019
1995	261	298	460	1,019
1996	264	301	452	1,017
1997	267	311	441	1,019
1998	265	315	435	1,015
1999	274	317	423	1,014
2000	284	316	412	1,012
2001	287	321	402	1,010
2002	295	303	404	1,002
2003	290	304	401	995
2004	293	312	380	985
2005	303	313	368	984
2006	303	316	364	983
2007	311	306	364	981
2008	312	302	364	978

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).
Data for Figure ES-21 and Figure 61.

Table A- 62. Percent of Set Gillnet Permits Held By Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	55%	27%	18%	100%
1976	58%	24%	18%	100%
1977	59%	22%	19%	100%
1978	59%	23%	18%	100%
1979	58%	24%	18%	100%
1980	56%	22%	21%	100%
1981	55%	23%	22%	100%
1982	50%	27%	23%	100%
1983	49%	28%	23%	100%
1984	48%	28%	23%	100%
1985	49%	28%	23%	100%
1986	46%	30%	23%	100%
1987	47%	30%	24%	100%
1988	47%	28%	24%	100%
1989	48%	28%	24%	100%
1990	46%	30%	24%	100%
1991	45%	30%	25%	100%
1992	46%	29%	25%	100%
1993	45%	29%	26%	100%
1994	46%	29%	26%	100%
1995	45%	29%	26%	100%
1996	44%	30%	26%	100%
1997	43%	31%	26%	100%
1998	43%	31%	26%	100%
1999	42%	31%	27%	100%
2000	41%	31%	28%	100%
2001	40%	32%	28%	100%
2002	40%	30%	29%	100%
2003	40%	31%	29%	100%
2004	39%	32%	30%	100%
2005	37%	32%	31%	100%
2006	37%	32%	31%	100%
2007	37%	31%	32%	100%
2008	37%	31%	32%	100%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure 62.

Table A- 63. No. of Set Gillnet Permits Held By Residence within the Bristol Bay Watershed, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	169	53	45	8	149	110	534
1981	157	54	47	11	149	105	523
1982	141	47	40	8	141	102	479
1983	136	49	44	8	135	101	473
1984	134	51	40	8	133	100	466
1985	139	49	38	9	132	101	468
1986	131	43	36	12	127	98	447
1987	137	45	34	12	126	94	448
1988	137	44	36	12	127	98	454
1989	144	52	43	11	132	107	489
1990	139	47	45	10	127	103	471
1991	134	44	43	10	129	101	461
1992	131	43	43	11	133	110	471
1993	125	48	41	10	131	109	464
1994	128	47	42	10	130	108	465
1995	117	44	40	10	134	115	460
1996	112	36	38	10	138	118	452
1997	114	35	38	9	129	116	441
1998	116	37	37	8	129	108	435
1999	113	31	34	10	125	110	423
2000	115	33	31	10	117	106	412
2001	111	32	25	10	117	107	402
2002	109	29	26	8	123	109	404
2003	108	27	27	7	129	103	401
2004	103	28	20	8	121	100	380
2005	98	28	20	8	116	98	368
2006	98	27	21	6	115	97	364
2007	98	27	18	5	115	101	364
2008	94	27	16	6	118	103	364

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 63.

Table A- 64 .Number of Set Gillnet Permits Fished By Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	285	77	64	426
1976	312	92	98	502
1977	317	78	103	498
1978	400	134	122	656
1979	444	183	143	770
1980	446	185	180	811
1981	456	196	195	847
1982	438	224	204	866
1983	434	226	215	875
1984	428	230	213	871
1985	431	243	205	879
1986	429	247	203	879
1987	436	256	217	909
1988	450	253	226	929
1989	472	269	238	979
1990	452	287	244	983
1991	432	284	240	956
1992	439	286	252	977
1993	443	283	253	979
1994	428	269	250	947
1995	437	285	256	978
1996	417	280	256	953
1997	397	282	254	933
1998	386	268	253	907
1999	384	286	257	927
2000	369	286	269	924
2001	332	259	246	837
2002	285	180	217	682
2003	297	225	241	763
2004	296	240	263	799
2005	305	252	272	829
2006	315	255	278	848
2007	306	254	282	842
2008	307	256	289	852

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-22 and Figure 64.

Table A- 65. Percent of Set Gillnet Permits Fished By Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	66.9%	18.1%	15.0%	100.0%
1976	62.2%	18.3%	19.5%	100.0%
1977	63.7%	15.7%	20.7%	100.0%
1978	61.0%	20.4%	18.6%	100.0%
1979	57.7%	23.8%	18.6%	100.0%
1980	55.0%	22.8%	22.2%	100.0%
1981	53.8%	23.1%	23.0%	100.0%
1982	50.6%	25.9%	23.6%	100.0%
1983	49.6%	25.8%	24.6%	100.0%
1984	49.1%	26.4%	24.5%	100.0%
1985	49.0%	27.6%	23.3%	100.0%
1986	48.8%	28.1%	23.1%	100.0%
1987	48.0%	28.2%	23.9%	100.0%
1988	48.4%	27.2%	24.3%	100.0%
1989	48.2%	27.5%	24.3%	100.0%
1990	46.0%	29.2%	24.8%	100.0%
1991	45.2%	29.7%	25.1%	100.0%
1992	44.9%	29.3%	25.8%	100.0%
1993	45.3%	28.9%	25.8%	100.0%
1994	45.2%	28.4%	26.4%	100.0%
1995	44.7%	29.1%	26.2%	100.0%
1996	43.8%	29.4%	26.9%	100.0%
1997	42.6%	30.2%	27.2%	100.0%
1998	42.6%	29.5%	27.9%	100.0%
1999	41.4%	30.9%	27.7%	100.0%
2000	39.9%	31.0%	29.1%	100.0%
2001	39.7%	30.9%	29.4%	100.0%
2002	41.8%	26.4%	31.8%	100.0%
2003	38.9%	29.5%	31.6%	100.0%
2004	37.0%	30.0%	32.9%	100.0%
2005	36.8%	30.4%	32.8%	100.0%
2006	37.1%	30.1%	32.8%	100.0%
2007	36.3%	30.2%	33.5%	100.0%
2008	36.0%	30.0%	33.9%	100.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure 65.

Table A- 66. No. of Set Gillnet Permits Fished By Residence within the Bristol Bay Watershed, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	125	46	35	3	140	97	446
1981	126	45	44	6	141	94	456
1982	123	42	42	4	134	95	440
1983	121	44	39	4	132	97	437
1984	118	44	38	4	128	96	428
1985	121	43	38	4	133	94	433
1986	115	40	37	9	139	91	431
1987	125	40	35	9	138	91	438
1988	131	40	38	10	136	97	452
1989	134	51	45	9	131	106	476
1990	131	46	41	10	125	101	454
1991	117	41	39	9	125	101	432
1992	119	37	39	11	131	107	444
1993	117	42	41	12	126	112	450
1994	111	35	38	9	125	112	430
1995	108	37	38	10	128	119	440
1996	98	30	34	8	126	123	419
1997	103	27	36	9	113	111	399
1998	95	28	29	8	119	107	386
1999	98	22	26	11	122	106	385
2000	106	23	22	12	111	96	370
2001	85	20	16	7	102	102	332
2002	72	12	15	2	106	78	285
2003	69	17	14	5	110	82	297
2004	67	22	12	4	109	82	296
2005	69	20	18	5	112	81	305
2006	78	22	14	5	114	83	316
2007	78	23	9	5	108	84	307
2008	80	23	11	3	100	90	307

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).
Data for Figure 66.

Table A- 67. Total Pounds Harvested in the Set Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	1,669,475	442,789	518,486	2,630,750
1976	2,669,075	776,798	865,906	4,311,779
1977	2,636,215	791,592	1,159,890	4,587,697
1978	5,462,006	2,528,533	1,803,966	9,794,505
1979	8,534,407	4,949,654	3,700,346	17,184,407
1980	9,350,667	6,275,307	5,295,305	20,921,279
1981	12,584,510	7,161,585	7,040,558	26,786,653
1982	6,912,336	4,648,929	4,190,000	15,751,265
1983	10,041,271	7,017,795	6,924,591	23,983,657
1984	8,256,553	5,607,939	5,136,210	19,000,702
1985	6,566,297	4,686,851	4,019,794	15,272,942
1986	7,507,296	4,988,825	4,018,204	16,514,325
1987	6,382,972	4,520,694	3,750,188	14,653,854
1988	7,060,227	4,013,491	3,899,849	14,973,567
1989	10,129,577	7,667,671	7,458,482	25,255,730
1990	10,869,046	8,100,314	7,770,974	26,740,334
1991	10,057,883	6,349,218	6,006,925	22,414,026
1992	10,032,905	7,664,637	7,534,328	25,231,870
1993	12,395,873	10,273,717	9,957,516	32,627,106
1994	9,890,298	7,759,665	7,069,346	24,719,309
1995	13,779,999	9,975,064	9,715,029	33,470,092
1996	11,488,747	8,267,603	7,755,577	27,511,927
1997	4,344,725	4,767,150	4,517,450	13,629,325
1998	4,778,729	3,821,730	3,861,886	12,462,345
1999	9,441,839	8,711,554	8,246,174	26,399,567
2000	9,546,488	7,743,549	7,350,545	24,640,582
2001	8,884,576	6,513,165	5,404,513	20,802,254
2002	4,740,313	4,228,220	4,941,110	13,909,643
2003	8,782,066	6,141,136	6,252,926	21,176,128
2004	6,834,860	7,908,188	9,252,639	23,995,687
2005	10,108,993	9,601,790	10,321,476	30,032,259
2006	10,092,751	8,434,319	8,861,865	27,388,935
2007	11,473,953	9,452,293	11,004,361	31,930,607
2008	11,151,949	8,703,343	10,272,318	30,127,610

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure 67.

Table A- 68. Percent of Total Pounds Harvested in the Set Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	63.5%	16.8%	19.7%	100.0%
1976	61.9%	18.0%	20.1%	100.0%
1977	57.5%	17.3%	25.3%	100.0%
1978	55.8%	25.8%	18.4%	100.0%
1979	49.7%	28.8%	21.5%	100.0%
1980	44.7%	30.0%	25.3%	100.0%
1981	47.0%	26.7%	26.3%	100.0%
1982	43.9%	29.5%	26.6%	100.0%
1983	41.9%	29.3%	28.9%	100.0%
1984	43.5%	29.5%	27.0%	100.0%
1985	43.0%	30.7%	26.3%	100.0%
1986	45.5%	30.2%	24.3%	100.0%
1987	43.6%	30.8%	25.6%	100.0%
1988	47.2%	26.8%	26.0%	100.0%
1989	40.1%	30.4%	29.5%	100.0%
1990	40.6%	30.3%	29.1%	100.0%
1991	44.9%	28.3%	26.8%	100.0%
1992	39.8%	30.4%	29.9%	100.0%
1993	38.0%	31.5%	30.5%	100.0%
1994	40.0%	31.4%	28.6%	100.0%
1995	41.2%	29.8%	29.0%	100.0%
1996	41.8%	30.1%	28.2%	100.0%
1997	31.9%	35.0%	33.1%	100.0%
1998	38.3%	30.7%	31.0%	100.0%
1999	35.8%	33.0%	31.2%	100.0%
2000	38.7%	31.4%	29.8%	100.0%
2001	42.7%	31.3%	26.0%	100.0%
2002	34.1%	30.4%	35.5%	100.0%
2003	41.5%	29.0%	29.5%	100.0%
2004	28.5%	33.0%	38.6%	100.0%
2005	33.7%	32.0%	34.4%	100.0%
2006	36.8%	30.8%	32.4%	100.0%
2007	35.9%	29.6%	34.5%	100.0%
2008	37.0%	28.9%	34.1%	100.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).
Data for Figure ES-23 and Figure 68.

Table A- 69. Average Pounds per Permit Fished in the Set Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	5,858	5,751	8,101	6,175
1976	8,555	8,443	8,836	8,589
1977	8,316	10,149	11,261	9,212
1978	13,655	18,870	14,787	14,931
1979	19,222	27,047	25,877	22,317
1980	20,966	33,921	29,418	25,797
1981	27,598	36,539	36,105	31,625
1982	15,782	20,754	20,539	18,189
1983	23,137	31,052	32,207	27,410
1984	19,291	24,382	24,114	21,815
1985	15,235	19,287	19,609	17,375
1986	17,500	20,198	19,794	18,788
1987	14,640	17,659	17,282	16,121
1988	15,689	15,864	17,256	16,118
1989	21,461	28,504	31,338	25,797
1990	24,047	28,224	31,848	27,203
1991	23,282	22,356	25,029	23,446
1992	22,854	26,799	29,898	25,826
1993	27,982	36,303	39,358	33,327
1994	23,108	28,846	28,277	26,103
1995	31,533	35,000	37,949	34,223
1996	27,551	29,527	30,295	28,869
1997	10,944	16,905	17,785	14,608
1998	12,380	14,260	15,264	13,740
1999	24,588	30,460	32,086	28,478
2000	25,871	27,075	27,325	26,667
2001	26,761	25,147	21,970	24,853
2002	16,633	23,490	22,770	20,395
2003	29,569	27,294	25,946	27,754
2004	23,091	32,951	35,181	30,032
2005	33,144	38,102	37,947	36,227
2006	32,040	33,076	31,877	32,298
2007	37,497	37,214	39,023	37,922
2008	36,326	33,997	35,544	35,361

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).
Data for Figure ES-24 and Figure 69.

Table A- 70. Average Lbs / Permit by Watershed Residents as a Percent of Average Lbs per Permit of Other Regions, 1975 - 2008

Year	Bristol Bay	Bristol Bay v. Other Alaska	Bristol Bay v. Outside Alaska
1975	100.0%	101.3%	71.7%
1976	100.0%	99.9%	94.4%
1977	100.0%	82.0%	72.6%
1978	100.0%	73.7%	90.5%
1979	100.0%	69.7%	72.7%
1980	100.0%	61.3%	70.7%
1981	100.0%	75.3%	76.2%
1982	100.0%	75.8%	77.5%
1983	100.0%	73.8%	71.4%
1984	100.0%	79.1%	83.7%
1985	100.0%	78.1%	76.4%
1986	100.0%	85.5%	86.4%
1987	100.0%	78.9%	79.1%
1988	100.0%	92.9%	82.0%
1989	100.0%	73.4%	66.3%
1990	100.0%	84.2%	74.0%
1991	100.0%	101.7%	90.6%
1992	100.0%	82.2%	73.2%
1993	100.0%	76.3%	70.3%
1994	100.0%	76.2%	77.3%
1995	100.0%	88.3%	80.8%
1996	100.0%	89.5%	86.3%
1997	100.0%	62.2%	58.7%
1998	100.0%	81.5%	74.8%
1999	100.0%	79.1%	74.6%
2000	100.0%	93.6%	91.9%
2001	100.0%	104.6%	118.8%
2002	100.0%	68.4%	70.4%
2003	100.0%	107.4%	113.2%
2004	100.0%	67.4%	63.2%
2005	100.0%	83.9%	83.6%
2006	100.0%	91.6%	94.2%
2007	100.0%	98.0%	93.2%
2008	100.0%	103.1%	98.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-25 and Figure 70.

Table A- 71. Total Pounds Harvested in the Set Gillnet Fishery by Watershed Residents, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	2,824,261	972,211	990,132	57,114	3,084,714	1,422,236	9,350,667
1981	4,560,139	1,101,814	1,771,969	193,831	3,157,246	1,799,511	12,584,510
1982	1,980,834	360,005	1,209,032	58,516	1,894,912	1,409,037	6,912,336
1983	2,539,323	963,114	1,535,125	100,591	3,470,749	1,432,369	10,041,271
1984	2,301,589	873,206	960,573	83,210	2,874,978	1,162,997	8,256,553
1985	1,538,337	663,968	897,375	51,997	2,387,288	1,027,332	6,566,297
1986	1,902,205	637,590	627,896	122,858	2,741,754	1,474,993	7,507,296
1987	1,776,143	421,837	643,808	132,560	1,712,464	1,696,161	6,382,972
1988	1,879,483	407,051	905,276	136,693	1,469,968	2,261,757	7,060,227
1989	3,507,637	1,029,733	1,442,449	173,189	2,623,261	1,353,309	10,129,577
1990	3,006,768	1,268,328	1,109,249	177,085	3,655,870	1,651,745	10,869,046
1991	2,800,097	683,889	1,019,602	164,212	2,307,699	3,082,384	10,057,883
1992	2,519,112	656,674	1,155,039	208,000	3,088,163	2,405,917	10,032,905
1993	3,595,183	943,749	1,478,858	245,137	3,441,367	2,691,579	12,395,873
1994	2,508,862	665,948	1,093,774	136,655	2,776,557	2,708,501	9,890,298
1995	3,477,191	974,996	1,117,476	195,072	3,978,384	4,036,880	13,779,999
1996	2,437,117	662,634	928,113	153,532	3,951,337	3,356,015	11,488,747
1997	1,564,291	190,156	819,191	98,945	779,557	892,586	4,344,725
1998	1,510,173	198,725	488,361	107,776	1,115,707	1,357,988	4,778,729
1999	3,208,449	403,956	646,310	228,655	2,856,678	2,097,791	9,441,839
2000	3,114,930	303,513	552,026	249,515	2,285,988	3,040,516	9,546,488
2001	2,324,767	334,600	264,871	184,432	3,191,922	2,583,984	8,884,576
2002	1,552,095	149,789	465,773	50,945	1,678,616	843,095	4,740,313
2003	2,522,648	374,182	351,051	140,881	3,190,489	2,202,816	8,782,066
2004	1,943,237	408,415	368,947	150,521	2,200,783	1,762,957	6,834,860
2005	2,529,521	529,821	486,987	159,859	4,413,494	1,989,311	10,108,993
2006	2,812,190	423,909	379,561	140,966	3,326,646	3,009,479	10,092,751
2007	3,267,265	708,690	262,145	150,733	3,908,174	3,176,946	11,473,953
2008	2,939,434	758,231	264,962	104,644	3,785,140	3,299,537	11,151,949

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 71.

Table A- 72. Average Lbs. Harvested / Permit in the Set Gillnet Fishery by Watershed Residents, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area
1980	22,594	21,135	28,289	19,038	22,034	14,662
1981	36,192	24,485	40,272	32,305	22,392	19,144
1982	16,104	8,572	28,786	14,629	14,141	14,832
1983	20,986	21,889	39,362	25,148	26,294	14,767
1984	19,505	19,846	25,278	20,803	22,461	12,115
1985	12,714	15,441	23,615	12,999	17,950	10,929
1986	16,541	15,940	16,970	13,651	19,725	16,209
1987	14,209	10,546	18,395	14,729	12,409	18,639
1988	14,347	10,176	23,823	13,669	10,809	23,317
1989	26,176	20,191	32,054	19,243	20,025	12,767
1990	22,952	27,572	27,055	17,709	29,247	16,354
1991	23,932	16,680	26,144	18,246	18,462	30,519
1992	21,169	17,748	29,616	18,909	23,574	22,485
1993	30,728	22,470	36,070	20,428	27,312	24,032
1994	22,602	19,027	28,784	15,184	22,212	24,183
1995	32,196	26,351	29,407	19,507	31,081	33,923
1996	24,869	22,088	27,297	19,191	31,360	27,285
1997	15,187	7,043	22,755	10,994	6,899	8,041
1998	15,897	7,097	16,840	13,472	9,376	12,691
1999	32,739	18,362	24,858	20,787	23,415	19,790
2000	29,386	13,196	25,092	20,793	20,594	31,672
2001	27,350	16,730	16,554	26,347	31,293	25,333
2002	21,557	12,482	31,052	25,473	15,836	10,809
2003	36,560	22,011	25,075	28,176	29,004	26,864
2004	29,004	18,564	30,746	37,630	20,191	21,499
2005	36,660	26,491	27,055	31,972	39,406	24,559
2006	36,054	19,269	27,111	28,193	29,181	36,259
2007	41,888	30,813	29,127	30,147	36,187	37,821
2008	36,743	32,967	24,087	34,881	37,851	36,662

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 72.

Table A- 73. Range of Average Pounds per Permit by Various Regions within the Watershed, 1980 - 2008

Year	Average	Low	High
1980	20,966	14,662	28,289
1981	27,598	19,144	40,272
1982	15,710	8,572	28,786
1983	22,978	14,767	39,362
1984	19,291	12,115	25,278
1985	15,165	10,929	23,615
1986	17,418	13,651	19,725
1987	14,573	10,546	18,639
1988	15,620	10,176	23,823
1989	21,281	12,767	32,054
1990	23,941	16,354	29,247
1991	23,282	16,680	30,519
1992	22,597	17,748	29,616
1993	27,546	20,428	36,070
1994	23,001	15,184	28,784
1995	31,318	19,507	33,923
1996	27,419	19,191	31,360
1997	10,889	6,899	22,755
1998	12,380	7,097	16,840
1999	24,524	18,362	32,739
2000	25,801	13,196	31,672
2001	26,761	16,554	31,293
2002	16,633	10,809	31,052
2003	29,569	22,011	36,560
2004	23,091	18,564	37,630
2005	33,144	24,559	39,406
2006	31,939	19,269	36,259
2007	37,374	29,127	41,888
2008	36,326	24,087	37,851

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 73.

Table A- 74. Average Ex-Vessel Price per Pound in the Set Gillnet Fishery, 1975 – 2008

Year	Nominal	Real (Inflation Adjusted)
1975	0.40	1.13
1976	0.47	1.32
1977	0.58	1.62
1978	0.64	1.76
1979	0.98	2.66
1980	0.55	1.48
1981	0.76	1.84
1982	0.65	1.55
1983	0.63	1.39
1984	0.59	1.23
1985	0.81	1.63
1986	1.32	2.64
1987	1.30	2.50
1988	1.79	3.31
1989	1.20	2.11
1990	1.05	1.77
1991	0.73	1.17
1992	1.05	1.63
1993	0.67	1.01
1994	0.93	1.37
1995	0.78	1.11
1996	0.78	1.08
1997	0.90	1.23
1998	1.13	1.52
1999	0.82	1.07
2000	0.65	0.82
2001	0.41	0.50
2002	0.47	0.58
2003	0.49	0.59
2004	0.49	0.56
2005	0.58	0.65
2006	0.58	0.63
2007	0.62	0.66
2008	0.66	0.66

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure 74.

Table A- 75. Total Revenue in the Set Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	\$657,909	\$175,547	\$205,928	\$1,039,384
1976	\$1,238,775	\$365,599	\$412,399	\$2,016,773
1977	\$1,527,861	\$458,260	\$684,200	\$2,670,321
1978	\$3,504,706	\$1,593,518	\$1,181,153	\$6,279,377
1979	\$8,275,274	\$4,892,761	\$3,666,374	\$16,834,409
1980	\$5,122,146	\$3,466,619	\$2,924,604	\$11,513,369
1981	\$9,569,390	\$5,459,969	\$5,369,948	\$20,399,307
1982	\$4,529,559	\$3,056,110	\$2,723,357	\$10,309,026
1983	\$6,309,551	\$4,451,003	\$4,380,121	\$15,140,675
1984	\$4,895,186	\$3,326,433	\$2,910,204	\$11,131,823
1985	\$5,255,476	\$3,795,391	\$3,273,047	\$12,323,914
1986	\$9,800,878	\$6,602,085	\$5,366,302	\$21,769,265
1987	\$7,995,646	\$5,952,045	\$5,032,987	\$18,980,678
1988	\$12,086,446	\$7,314,979	\$7,399,021	\$26,800,446
1989	\$11,923,567	\$9,259,167	\$9,072,780	\$30,255,514
1990	\$11,314,321	\$8,530,394	\$8,248,192	\$28,092,907
1991	\$7,217,143	\$4,665,557	\$4,426,768	\$16,309,468
1992	\$10,257,051	\$8,132,896	\$8,048,920	\$26,438,867
1993	\$8,209,101	\$6,871,580	\$6,667,578	\$21,748,259
1994	\$8,910,789	\$7,345,406	\$6,732,966	\$22,989,161
1995	\$10,532,330	\$7,779,090	\$7,631,764	\$25,943,184
1996	\$8,681,493	\$6,516,745	\$6,175,168	\$21,373,406
1997	\$3,809,513	\$4,352,610	\$4,150,236	\$12,312,359
1998	\$5,173,666	\$4,407,674	\$4,531,380	\$14,112,720
1999	\$7,579,567	\$7,140,939	\$6,800,606	\$21,521,112
2000	\$6,095,930	\$5,047,353	\$4,836,858	\$15,980,141
2001	\$3,584,150	\$2,672,153	\$2,234,799	\$8,491,102
2002	\$2,194,776	\$2,026,648	\$2,375,175	\$6,596,599
2003	\$4,300,228	\$3,032,887	\$3,083,394	\$10,416,509
2004	\$3,231,781	\$3,885,136	\$4,546,605	\$11,663,522
2005	\$5,702,209	\$5,615,679	\$6,080,813	\$17,398,701
2006	\$5,662,187	\$5,002,791	\$5,306,252	\$15,971,230
2007	\$7,018,449	\$5,945,072	\$6,936,242	\$19,899,763
2008	\$7,167,740	\$5,799,144	\$6,887,368	\$19,854,252

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure 75.

Table A- 76. Percent of Total Revenue in the Set Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	63.3%	16.9%	19.8%	100.0%
1976	61.4%	18.1%	20.4%	100.0%
1977	57.2%	17.2%	25.6%	100.0%
1978	55.8%	25.4%	18.8%	100.0%
1979	49.2%	29.1%	21.8%	100.0%
1980	44.5%	30.1%	25.4%	100.0%
1981	46.9%	26.8%	26.3%	100.0%
1982	43.9%	29.6%	26.4%	100.0%
1983	41.7%	29.4%	28.9%	100.0%
1984	44.0%	29.9%	26.1%	100.0%
1985	42.6%	30.8%	26.6%	100.0%
1986	45.0%	30.3%	24.7%	100.0%
1987	42.1%	31.4%	26.5%	100.0%
1988	45.1%	27.3%	27.6%	100.0%
1989	39.4%	30.6%	30.0%	100.0%
1990	40.3%	30.4%	29.4%	100.0%
1991	44.3%	28.6%	27.1%	100.0%
1992	38.8%	30.8%	30.4%	100.0%
1993	37.7%	31.6%	30.7%	100.0%
1994	38.8%	32.0%	29.3%	100.0%
1995	40.6%	30.0%	29.4%	100.0%
1996	40.6%	30.5%	28.9%	100.0%
1997	30.9%	35.4%	33.7%	100.0%
1998	36.7%	31.2%	32.1%	100.0%
1999	35.2%	33.2%	31.6%	100.0%
2000	38.1%	31.6%	30.3%	100.0%
2001	42.2%	31.5%	26.3%	100.0%
2002	33.3%	30.7%	36.0%	100.0%
2003	41.3%	29.1%	29.6%	100.0%
2004	27.7%	33.3%	39.0%	100.0%
2005	32.8%	32.3%	34.9%	100.0%
2006	35.5%	31.3%	33.2%	100.0%
2007	35.3%	29.9%	34.9%	100.0%
2008	36.1%	29.2%	34.7%	100.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-26 and Figure 76.

Table A- 77. Average Revenue per Permit Fished in the Set Gillnet Fishery by Residence, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska	Total
1975	\$2,308	\$2,280	\$3,218	\$2,440
1976	\$3,970	\$3,974	\$4,208	\$4,017
1977	\$4,820	\$5,875	\$6,643	\$5,362
1978	\$8,762	\$11,892	\$9,682	\$9,572
1979	\$18,638	\$26,736	\$25,639	\$21,863
1980	\$11,485	\$18,738	\$16,248	\$14,197
1981	\$20,986	\$27,857	\$27,538	\$24,084
1982	\$10,341	\$13,643	\$13,350	\$11,904
1983	\$14,538	\$19,695	\$20,373	\$17,304
1984	\$11,437	\$14,463	\$13,663	\$12,781
1985	\$12,194	\$15,619	\$15,966	\$14,020
1986	\$22,846	\$26,729	\$26,435	\$24,766
1987	\$18,339	\$23,250	\$23,193	\$20,881
1988	\$26,859	\$28,913	\$32,739	\$28,849
1989	\$25,262	\$34,421	\$38,121	\$30,905
1990	\$25,032	\$29,723	\$33,804	\$28,579
1991	\$16,706	\$16,428	\$18,445	\$17,060
1992	\$23,365	\$28,437	\$31,940	\$27,061
1993	\$18,531	\$24,281	\$26,354	\$22,215
1994	\$20,820	\$27,306	\$26,932	\$24,276
1995	\$24,101	\$27,295	\$29,812	\$26,527
1996	\$20,819	\$23,274	\$24,122	\$22,427
1997	\$9,596	\$15,435	\$16,340	\$13,197
1998	\$13,403	\$16,447	\$17,911	\$15,560
1999	\$19,738	\$24,968	\$26,462	\$23,216
2000	\$16,520	\$17,648	\$17,981	\$17,295
2001	\$10,796	\$10,317	\$9,085	\$10,145
2002	\$7,701	\$11,259	\$10,946	\$9,672
2003	\$14,479	\$13,479	\$12,794	\$13,652
2004	\$10,918	\$16,188	\$17,287	\$14,598
2005	\$18,696	\$22,284	\$22,356	\$20,988
2006	\$17,975	\$19,619	\$19,087	\$18,834
2007	\$22,936	\$23,406	\$24,597	\$23,634
2008	\$23,348	\$22,653	\$23,832	\$23,303

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).
Data for Figure ES-27 and Figure 77.

Table A- 78. Total Revenue in the Set Gillnet Fishery by Watershed Residents, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	\$1,495,419	\$541,070	\$563,707	\$29,510	\$1,722,007	\$770,433	\$5,122,146
1981	\$3,494,992	\$838,426	\$1,349,686	\$150,023	\$2,391,431	\$1,344,833	\$9,569,391
1982	\$1,208,170	\$231,315	\$836,462	\$35,313	\$1,267,582	\$950,717	\$4,529,559
1983	\$1,604,131	\$612,200	\$961,292	\$61,336	\$2,206,839	\$863,752	\$6,309,550
1984	\$1,132,636	\$541,465	\$629,565	\$40,815	\$1,857,730	\$692,975	\$4,895,186
1985	\$1,221,515	\$544,251	\$723,665	\$41,447	\$1,964,216	\$760,382	\$5,255,476
1986	\$2,451,475	\$876,856	\$838,362	\$160,576	\$3,737,403	\$1,736,206	\$9,800,878
1987	\$2,366,313	\$562,726	\$812,648	\$176,318	\$2,223,266	\$1,854,377	\$7,995,647
1988	\$3,391,641	\$709,264	\$1,703,835	\$254,315	\$2,225,800	\$3,801,592	\$12,086,446
1989	\$4,176,785	\$1,257,589	\$1,689,768	\$206,427	\$3,173,312	\$1,419,686	\$11,923,567
1990	\$3,170,598	\$1,342,720	\$1,158,752	\$187,061	\$3,827,479	\$1,627,710	\$11,314,321
1991	\$2,059,317	\$478,884	\$742,212	\$121,695	\$1,661,246	\$2,153,789	\$7,217,143
1992	\$2,509,326	\$689,862	\$1,247,378	\$212,840	\$3,224,699	\$2,372,946	\$10,257,051
1993	\$2,383,006	\$633,990	\$993,319	\$163,254	\$2,313,680	\$1,721,853	\$8,209,101
1994	\$2,344,269	\$629,850	\$990,589	\$123,369	\$2,615,365	\$2,207,347	\$8,910,789
1995	\$2,691,696	\$767,419	\$866,932	\$150,320	\$3,127,370	\$2,928,593	\$10,532,330
1996	\$1,912,441	\$531,324	\$702,734	\$116,447	\$3,142,573	\$2,275,975	\$8,681,494
1997	\$1,423,697	\$173,275	\$719,553	\$90,189	\$697,205	\$705,594	\$3,809,513
1998	\$1,687,672	\$235,069	\$548,313	\$122,615	\$1,253,710	\$1,326,287	\$5,173,666
1999	\$2,628,426	\$332,544	\$534,902	\$188,160	\$2,340,289	\$1,555,245	\$7,579,566
2000	\$2,004,734	\$200,413	\$364,287	\$160,352	\$1,505,609	\$1,860,535	\$6,095,930
2001	\$930,708	\$139,822	\$109,491	\$73,459	\$1,339,067	\$991,603	\$3,584,150
2002	\$726,728	\$72,584	\$226,229	\$22,714	\$811,805	\$334,718	\$2,194,777
2003	\$1,192,640	\$185,480	\$173,429	\$66,783	\$1,614,835	\$1,067,063	\$4,300,229
2004	\$902,966	\$203,327	\$183,769	\$70,457	\$1,085,453	\$785,809	\$3,231,781
2005	\$1,399,508	\$312,638	\$282,378	\$89,863	\$2,580,301	\$1,037,521	\$5,702,208
2006	\$1,662,178	\$251,974	\$224,468	\$76,818	\$1,907,123	\$1,539,627	\$5,662,187
2007	\$2,068,306	\$444,998	\$164,355	\$93,878	\$2,444,468	\$1,802,444	\$7,018,448
2008	\$1,944,252	\$509,760	\$171,298	\$62,814	\$2,535,898	\$1,943,719	\$7,167,740

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).
Data for Figure 78.

Table A- 79. Percent of Total Watershed Revenue in the Set Gillnet Fishery by Area of Residence, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area	Total
1980	29.2%	10.6%	11.0%	0.6%	33.6%	15.0%	100.0%
1981	36.5%	8.8%	14.1%	1.6%	25.0%	14.1%	100.0%
1982	26.7%	5.1%	18.5%	0.8%	28.0%	21.0%	100.0%
1983	25.4%	9.7%	15.2%	1.0%	35.0%	13.7%	100.0%
1984	23.1%	11.1%	12.9%	0.8%	38.0%	14.2%	100.0%
1985	23.2%	10.4%	13.8%	0.8%	37.4%	14.5%	100.0%
1986	25.0%	8.9%	8.6%	1.6%	38.1%	17.7%	100.0%
1987	29.6%	7.0%	10.2%	2.2%	27.8%	23.2%	100.0%
1988	28.1%	5.9%	14.1%	2.1%	18.4%	31.5%	100.0%
1989	35.0%	10.5%	14.2%	1.7%	26.6%	11.9%	100.0%
1990	28.0%	11.9%	10.2%	1.7%	33.8%	14.4%	100.0%
1991	28.5%	6.6%	10.3%	1.7%	23.0%	29.8%	100.0%
1992	24.5%	6.7%	12.2%	2.1%	31.4%	23.1%	100.0%
1993	29.0%	7.7%	12.1%	2.0%	28.2%	21.0%	100.0%
1994	26.3%	7.1%	11.1%	1.4%	29.4%	24.8%	100.0%
1995	25.6%	7.3%	8.2%	1.4%	29.7%	27.8%	100.0%
1996	22.0%	6.1%	8.1%	1.3%	36.2%	26.2%	100.0%
1997	37.4%	4.5%	18.9%	2.4%	18.3%	18.5%	100.0%
1998	32.6%	4.5%	10.6%	2.4%	24.2%	25.6%	100.0%
1999	34.7%	4.4%	7.1%	2.5%	30.9%	20.5%	100.0%
2000	32.9%	3.3%	6.0%	2.6%	24.7%	30.5%	100.0%
2001	26.0%	3.9%	3.1%	2.0%	37.4%	27.7%	100.0%
2002	33.1%	3.3%	10.3%	1.0%	37.0%	15.3%	100.0%
2003	27.7%	4.3%	4.0%	1.6%	37.6%	24.8%	100.0%
2004	27.9%	6.3%	5.7%	2.2%	33.6%	24.3%	100.0%
2005	24.5%	5.5%	5.0%	1.6%	45.3%	18.2%	100.0%
2006	29.4%	4.5%	4.0%	1.4%	33.7%	27.2%	100.0%
2007	29.5%	6.3%	2.3%	1.3%	34.8%	25.7%	100.0%
2008	27.1%	7.1%	2.4%	0.9%	35.4%	27.1%	100.0%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 79.

Table A- 80. Average Revenue / Permit Fished in the Set Gillnet Fishery by Watershed Residents, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area
1980	\$11,963	\$11,762	\$16,106	\$9,837	\$12,300	\$7,943
1981	\$27,738	\$18,632	\$30,675	\$25,004	\$16,961	\$14,307
1982	\$9,823	\$5,508	\$19,916	\$8,828	\$9,460	\$10,008
1983	\$13,257	\$13,914	\$24,649	\$15,334	\$16,718	\$8,905
1984	\$9,599	\$12,306	\$16,568	\$10,204	\$14,514	\$7,218
1985	\$10,095	\$12,657	\$19,044	\$10,362	\$14,769	\$8,089
1986	\$21,317	\$21,921	\$22,658	\$17,842	\$26,888	\$19,079
1987	\$18,931	\$14,068	\$23,219	\$19,591	\$16,111	\$20,378
1988	\$25,890	\$17,732	\$44,838	\$25,431	\$16,366	\$39,192
1989	\$31,170	\$24,659	\$37,550	\$22,936	\$24,224	\$13,393
1990	\$24,203	\$29,190	\$28,262	\$18,706	\$30,620	\$16,116
1991	\$17,601	\$11,680	\$19,031	\$13,522	\$13,290	\$21,325
1992	\$21,087	\$18,645	\$31,984	\$19,349	\$24,616	\$22,177
1993	\$20,368	\$15,095	\$24,227	\$13,604	\$18,363	\$15,374
1994	\$21,120	\$17,996	\$26,068	\$13,708	\$20,923	\$19,708
1995	\$24,923	\$20,741	\$22,814	\$15,032	\$24,433	\$24,610
1996	\$19,515	\$17,711	\$20,669	\$14,556	\$24,941	\$18,504
1997	\$13,822	\$6,418	\$19,988	\$10,021	\$6,170	\$6,357
1998	\$17,765	\$8,395	\$18,907	\$15,327	\$10,535	\$12,395
1999	\$26,821	\$15,116	\$20,573	\$17,105	\$19,183	\$14,672
2000	\$18,913	\$8,714	\$16,559	\$13,363	\$13,564	\$19,381
2001	\$10,950	\$6,991	\$6,843	\$10,494	\$13,128	\$9,722
2002	\$10,093	\$6,049	\$15,082	\$11,357	\$7,659	\$4,291
2003	\$17,285	\$10,911	\$12,388	\$13,357	\$14,680	\$13,013
2004	\$13,477	\$9,242	\$15,314	\$17,614	\$9,958	\$9,583
2005	\$20,283	\$15,632	\$15,688	\$17,973	\$23,038	\$12,809
2006	\$21,310	\$11,453	\$16,033	\$15,364	\$16,729	\$18,550
2007	\$26,517	\$19,348	\$18,262	\$18,776	\$22,634	\$21,458
2008	\$24,303	\$22,163	\$15,573	\$20,938	\$25,359	\$21,597

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 80.

Table A- 81. Range of Average Revenues / Set Gillnet Permit by Regions within the Watershed, 1980 - 2008

Year	Average	Low	High
1980	\$11,459	\$7,943	\$16,106
1981	\$20,624	\$14,307	\$30,675
1982	\$10,225	\$5,508	\$19,916
1983	\$14,340	\$8,905	\$24,649
1984	\$11,305	\$7,218	\$16,568
1985	\$12,054	\$8,089	\$19,044
1986	\$22,479	\$17,842	\$26,888
1987	\$18,049	\$14,068	\$23,219
1988	\$26,332	\$16,366	\$44,838
1989	\$24,534	\$13,393	\$37,550
1990	\$24,650	\$16,116	\$30,620
1991	\$16,629	\$11,680	\$21,325
1992	\$22,298	\$18,645	\$31,984
1993	\$18,082	\$13,604	\$24,227
1994	\$20,298	\$13,708	\$26,068
1995	\$23,405	\$15,032	\$24,923
1996	\$20,475	\$14,556	\$24,941
1997	\$9,383	\$6,170	\$19,988
1998	\$13,131	\$8,395	\$18,907
1999	\$19,636	\$14,672	\$26,821
2000	\$16,387	\$8,714	\$19,381
2001	\$10,731	\$6,843	\$13,128
2002	\$7,674	\$4,291	\$15,082
2003	\$14,239	\$10,911	\$17,285
2004	\$10,918	\$9,242	\$17,614
2005	\$18,394	\$12,809	\$23,038
2006	\$17,694	\$11,453	\$21,310
2007	\$22,713	\$18,262	\$26,517
2008	\$23,348	\$15,573	\$25,359

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 81.

Table A- 82. Average Set Gillnet Revenues by Residence as a Percent of Fishery-Wide Average, 1975 - 2008

Year	Bristol Bay	Other Alaska	Outside Alaska
1975	94.6%	93.4%	131.9%
1976	98.8%	98.9%	104.7%
1977	89.9%	109.6%	123.9%
1978	91.5%	124.2%	101.1%
1979	85.2%	122.3%	117.3%
1980	80.9%	132.0%	114.4%
1981	87.1%	115.7%	114.3%
1982	86.9%	114.6%	112.1%
1983	84.0%	113.8%	117.7%
1984	89.5%	113.2%	106.9%
1985	87.0%	111.4%	113.9%
1986	92.2%	107.9%	106.7%
1987	87.8%	111.3%	111.1%
1988	93.1%	100.2%	113.5%
1989	81.7%	111.4%	123.4%
1990	87.6%	104.0%	118.3%
1991	97.9%	96.3%	108.1%
1992	86.3%	105.1%	118.0%
1993	83.4%	109.3%	118.6%
1994	85.8%	112.5%	110.9%
1995	90.9%	102.9%	112.4%
1996	92.8%	103.8%	107.6%
1997	72.7%	117.0%	123.8%
1998	86.1%	105.7%	115.1%
1999	85.0%	107.5%	114.0%
2000	95.5%	102.0%	104.0%
2001	106.4%	101.7%	89.5%
2002	79.6%	116.4%	113.2%
2003	106.1%	98.7%	93.7%
2004	74.8%	110.9%	118.4%
2005	89.1%	106.2%	106.5%
2006	95.4%	104.2%	101.3%
2007	97.0%	99.0%	104.1%
2008	100.2%	97.2%	102.3%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and (CFEC, 2009).

Data for Figure ES-28 and Figure 82.

Table A- 83. Average Set Gillnet Revenues in the Watershed as a Percent of Fishery-Wide Average, 1980 - 2008

Year	Dillingham Area	Other Lake & Peninsula	South Bristol Bay	Upper Nushagak	Bristol Bay Borough	Togiak Area
1980	84.3%	82.9%	113.4%	69.3%	86.6%	55.9%
1981	115.2%	77.4%	127.4%	103.8%	70.4%	59.4%
1982	82.5%	46.3%	167.3%	74.2%	79.5%	84.1%
1983	76.6%	80.4%	142.4%	88.6%	96.6%	51.5%
1984	75.1%	96.3%	129.6%	79.8%	113.6%	56.5%
1985	72.0%	90.3%	135.8%	73.9%	105.3%	57.7%
1986	86.1%	88.5%	91.5%	72.0%	108.6%	77.0%
1987	90.7%	67.4%	111.2%	93.8%	77.2%	97.6%
1988	89.7%	61.5%	155.4%	88.2%	56.7%	135.9%
1989	100.9%	79.8%	121.5%	74.2%	78.4%	43.3%
1990	84.7%	102.1%	98.9%	65.5%	107.1%	56.4%
1991	103.2%	68.5%	111.6%	79.3%	77.9%	125.0%
1992	77.9%	68.9%	118.2%	71.5%	91.0%	82.0%
1993	91.7%	68.0%	109.1%	61.2%	82.7%	69.2%
1994	87.0%	74.1%	107.4%	56.5%	86.2%	81.2%
1995	94.0%	78.2%	86.0%	56.7%	92.1%	92.8%
1996	87.0%	79.0%	92.2%	64.9%	111.2%	82.5%
1997	104.7%	48.6%	151.5%	75.9%	46.8%	48.2%
1998	114.2%	54.0%	121.5%	98.5%	67.7%	79.7%
1999	115.5%	65.1%	88.6%	73.7%	82.6%	63.2%
2000	109.4%	50.4%	95.7%	77.3%	78.4%	112.1%
2001	107.9%	68.9%	67.5%	103.4%	129.4%	95.8%
2002	104.4%	62.5%	155.9%	117.4%	79.2%	44.4%
2003	126.6%	79.9%	90.7%	97.8%	107.5%	95.3%
2004	92.3%	63.3%	104.9%	120.7%	68.2%	65.6%
2005	96.6%	74.5%	74.7%	85.6%	109.8%	61.0%
2006	113.1%	60.8%	85.1%	81.6%	88.8%	98.5%
2007	112.2%	81.9%	77.3%	79.4%	95.8%	90.8%
2008	104.3%	95.1%	66.8%	89.9%	108.8%	92.7%

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008).

Data for Figure 83.

Other Fishery and Wage/Salary Revenue Tables

Table A- 84. Bristol Bay Salmon Permit Holders with Revenue in Other Fisheries by Residence, 1980 - 2008

Year	Reside in Bristol Bay Watershed	Reside in Other Alaska Regions	Reside Outside Alaska	Grand Total
1980	89	108	160	357
1981	127	71	95	293
1982	162	97	131	390
1983	149	101	116	366
1984	189	103	99	391
1985	151	122	118	391
1986	190	139	89	418
1987	199	150	118	467
1988	231	186	141	558
1989	259	183	159	601
1990	246	187	138	571
1991	225	179	151	555
1992	228	185	145	558
1993	140	147	140	427
1994	170	154	156	480
1995	201	191	187	579
1996	261	216	273	750
1997	170	183	206	559
1998	129	146	152	427
1999	172	156	150	478
2000	118	150	169	437
2001	81	106	103	290
2002	85	70	68	223
2003	76	96	83	255
2004	47	84	79	210
2005	49	90	80	219
2006	43	87	75	205
2007	30	82	63	175
2008	35	83	70	188

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 2009).

Data for Figure ES-29 and Figure 84.

Table A- 85. Revenue of Bristol Bay Salmon Permit Holders in Other Fisheries by Residence, 1980 - 2008

Year	Reside in Bristol Bay Watershed	Reside in Other Alaska Regions	Reside Outside Alaska	Total
1980	\$135,772	\$1,303,880	\$6,338,799	\$7,778,451
1981	\$522,777	\$2,119,696	\$4,479,037	\$7,121,510
1982	\$612,858	\$2,612,936	\$5,949,174	\$9,174,969
1983	\$1,099,591	\$2,286,291	\$6,258,346	\$9,644,227
1984	\$875,504	\$1,807,369	\$3,166,458	\$5,849,331
1985	\$1,334,812	\$3,737,026	\$7,563,247	\$12,635,085
1986	\$1,648,502	\$5,293,377	\$8,961,704	\$15,903,583
1987	\$1,416,665	\$5,845,338	\$7,846,743	\$15,108,746
1988	\$1,687,217	\$8,622,374	\$11,874,447	\$22,184,039
1989	\$1,036,555	\$6,667,224	\$12,017,277	\$19,721,056
1990	\$1,256,485	\$7,732,734	\$19,267,319	\$28,256,538
1991	\$1,232,884	\$6,949,611	\$23,518,781	\$31,701,276
1992	\$897,956	\$7,943,876	\$26,874,902	\$35,716,735
1993	\$742,996	\$6,361,764	\$30,630,267	\$37,735,027
1994	\$1,123,177	\$7,082,462	\$30,996,548	\$39,202,187
1995	\$2,563,731	\$10,007,575	\$32,766,297	\$45,337,603
1996	\$2,311,219	\$11,058,723	\$28,909,912	\$42,279,855
1997	\$577,639	\$10,739,708	\$32,350,009	\$43,667,356
1998	\$727,117	\$7,556,656	\$25,094,736	\$33,378,509
1999	\$1,239,490	\$10,019,272	\$52,995,003	\$64,253,765
2000	\$526,482	\$11,098,321	\$20,789,696	\$32,414,500
2001	\$627,350	\$3,474,258	\$14,218,199	\$18,319,807
2002	\$698,538	\$2,287,952	\$11,363,559	\$14,350,049
2003	\$489,280	\$8,165,183	\$20,214,794	\$28,869,258
2004	\$357,355	\$7,181,284	\$15,252,564	\$22,791,203
2005	\$497,606	\$6,817,858	\$23,846,656	\$31,162,119
2006	\$515,130	\$8,480,607	\$26,239,022	\$35,234,759
2007	\$329,332	\$10,286,654	\$34,725,753	\$45,341,739
2008	\$316,011	\$12,993,620	\$43,222,420	\$56,532,051

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 2009).

Data for Figure ES-30 and Figure 85.

Table A- 86. Average Revenue of Bristol Bay Permit Holders in Other Fisheries by Residence, 1980 - 2008 .

Year	Reside in Bristol Bay Watershed	Reside in Other Alaska Regions	Reside Outside Alaska	Total
1980	\$1,525.53	\$12,072.97	\$39,617.49	\$21,788.38
1981	\$4,116.35	\$29,854.87	\$47,147.76	\$24,305.49
1982	\$3,783.08	\$26,937.49	\$45,413.54	\$23,525.56
1983	\$7,379.80	\$22,636.54	\$53,951.26	\$26,350.35
1984	\$4,632.30	\$17,547.27	\$31,984.42	\$14,959.92
1985	\$8,839.82	\$30,631.36	\$64,095.31	\$32,314.80
1986	\$8,676.33	\$38,081.85	\$100,693.30	\$38,046.85
1987	\$7,118.92	\$38,968.92	\$66,497.82	\$32,352.77
1988	\$7,303.97	\$46,356.85	\$84,215.94	\$39,756.34
1989	\$4,002.14	\$36,432.92	\$75,580.36	\$32,813.74
1990	\$5,107.66	\$41,351.52	\$139,618.25	\$49,486.06
1991	\$5,479.48	\$38,824.64	\$155,753.52	\$57,119.42
1992	\$3,938.41	\$42,939.87	\$185,344.15	\$64,008.49
1993	\$5,307.11	\$43,277.31	\$218,787.62	\$88,372.43
1994	\$6,606.93	\$45,990.01	\$198,695.82	\$81,671.22
1995	\$12,754.88	\$52,395.68	\$175,220.84	\$78,303.29
1996	\$8,855.25	\$51,197.79	\$105,897.11	\$56,373.14
1997	\$3,397.88	\$58,686.93	\$157,038.88	\$78,116.92
1998	\$5,636.57	\$51,757.92	\$165,096.95	\$78,169.81
1999	\$7,206.34	\$64,226.10	\$353,300.02	\$134,422.10
2000	\$4,461.71	\$73,988.81	\$123,015.95	\$74,175.06
2001	\$7,745.06	\$32,776.02	\$138,040.76	\$63,171.75
2002	\$8,218.10	\$32,685.03	\$167,111.16	\$64,350.00
2003	\$6,437.90	\$85,053.99	\$243,551.74	\$113,212.78
2004	\$7,603.29	\$85,491.48	\$193,070.43	\$108,529.54
2005	\$10,155.22	\$75,753.98	\$298,083.19	\$142,292.78
2006	\$11,979.76	\$97,478.24	\$349,853.63	\$171,876.87
2007	\$10,977.75	\$125,447.01	\$551,202.42	\$259,095.65
2008	\$9,028.90	\$156,549.63	\$617,463.14	\$300,702.40

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 2009).

Data for Figure ES-31 and Figure 86.

Table A- 87. Wage and Salary Employment of Drift and Set Gillnetter Residing in Alaska, 2006

Region	Has another job:		Fishing only:		Total
	Number	Percent	Number	Percent	
Drift Gillnet / Bristol Bay Residents	97	28%	248	72%	345
Drift Gillnet / Other Alaska Residents	270	76%	83	24%	353
Set Gillnet / Bristol Bay Residents	94	30%	221	70%	315
Set Gillnet / Other Alaska Residents	220	86%	35	14%	255

Source: Figure developed by Northern Economics based on data from ADOLWD (ADOLWD, 2009).
Data for Figure ES-32 and Figure 87.

Table A- 88 Income and Revenues of Alaska Resident Permit Holders in Bristol Bay Fisheries with Other Wage/Salary Employment, 2006

Permit Holders by Residence	Wages & Salaries	Bristol Bay Fishery Revenue
97 Bristol Bay Drift Gillnetters	\$2,016,490	\$3,195,635
270 Other Alaska Drift Gillnetters	\$8,108,575	\$12,455,642
94 Bristol Bay Set Gillnetters	\$1,648,957	\$1,445,250
220 Other Alaska Set Gillnetter	\$6,839,999	\$3,617,821

Source: Figure developed by Northern Economics based on data from ADOLWD (ADOLWD, 2009).
Data for Figure ES-33 and Figure 88.

Table A- 89. Average Income and Revenues of Alaska Resident Permit Holders in Bristol Bay Fisheries with Other Wage/Salary Employment, 2006

Permit Holders by Residence	Average Wage or Salary	Average Fishery Revenue
97 Bristol Bay Drift Gillnetters	\$20,789	\$32,945
270 Other Alaska Drift Gillnetters	\$30,032	\$46,132
94 Bristol Bay Set Gillnetters	\$17,542	\$15,375
220 Other Alaska Set Gillnetter	\$31,091	\$16,445

Source: Figure developed by Northern Economics based on data from ADOLWD (ADOLWD, 2009).
Data for Figure 89.

Operating Cost Tables

Table A- 90. Breakdown of Drift Gillnet Operating Costs and Incomes to Crew and Permit Holders for 2008

Expenditure	All Set Net Vessels
Transport & Food	6%
Fuel & Oil	4%
Maintenance Nets, Gear & Storage	10%
Insurance, Taxes, Fees, & Services	7%
Income to Crew & Permit Holders (Incl. Loan Payments)	74%
Total	100%

Source: Figure and data developed by Northern Economics based on data originally from CFEC (CFEC, 2002) as well as information from AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 1980 - 2008).

Data for Figure ES-34 and Figure 90.

Table A- 91 Breakdown of Set Gillnet Operating Costs and Incomes to Crew and Permit Holders for 2008

Expenditure	All Set Net Vessels
Transport & Food	5%
Fuel & Oil	2%
Maintenance Nets, Gear & Storage	10%
Insurance, Taxes, Fees, & Services	4%
Income to Crew & Permit Holders (Incl. Loan Payments)	79%
Total	100%

Source: Figure and data developed by Northern Economics based on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003), as well as information from AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 1980 - 2008).

Data for Figure ES-35 and Figure 91.

Table A- 92. Estimated Average Drift Gillnet Fishery Costs and Income per Permit by Region, 2008

Expenditure	Watershed	Other-AK	Non-AK	Total
Transport & Food	\$2,669	\$2,756	\$4,141	\$9,566
Fuel & Oil	\$2,605	\$2,275	\$2,408	\$7,288
Maintenance Nets, Gear & Storage	\$5,847	\$5,876	\$5,952	\$17,675
Insurance, Taxes, Fees, & Services	\$3,369	\$3,903	\$4,800	\$12,072
Income to Crew & Permit Holders (Incl. Loan Payments)	\$24,912	\$44,136	\$54,216	\$123,264
Total	\$39,402	\$58,946	\$71,517	\$169,865

Source: Figure and data developed by Northern Economics based on data originally from CFEC (CFEC, 2002) as well as information from AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 1980 - 2008).

Data for Figure ES-36 and Figure 92.

Table A- 93. Estimated Average Set Gillnet Fishery Costs and Income per Permit by Region, 2008

Expenditure	Watershed	Other-AK	Non-AK	Total
Transport & Food	\$614	\$1,122	\$1,627	\$3,363
Fuel & Oil	\$499	\$460	\$409	\$1,368
Maintenance Nets, Gear & Storage	\$2,454	\$2,406	\$2,345	\$7,204
Insurance, Taxes, Fees, & Services	\$1,046	\$1,008	\$960	\$3,014
Income to Crew & Permit Holders (Incl. Loan Payments)	\$18,721	\$17,435	\$18,653	\$54,809
Total	\$23,334	\$22,430	\$23,994	\$69,758

Source: Figure and data developed by Northern Economics based on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003), as well as information from AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 1980 - 2008).

Data for Figure ES-37 and Figure 93..

Economic Contribution/Multiplier Effects Tables

Table A- 94. Local Expenditure Percentage in each Cost Category by Permit Holder Region in 2008

Expenditure	Bristol Bay	Other-AK	Non-AK
Transportation & Food	60%	9%	8%
Fuel, Oil & Lubricants	100%	100%	100%
Maintenance Nets, Gear & Storage	35%	41%	43%
Insurance, Taxes, Fees, & Services	15%	1%	1%
Income to Crew & Permit Holders (Incl. Loan Payments)	90%	5%	5%

Source: Figure developed by Northern Economics from discussions with industry and professional experience. Data for Figure ES-38 and Figure 94.

Table A- 95. Total Local Expenditures from Harvesting Bristol Bay Salmon, by Permit Holder Region in 2008

Expenditure	Bristol Bay	Other-AK	Non-AK
Transportation & Food	\$655,318	\$122,381	\$313,868
Fuel, Oil & Lubricants	\$1,027,879	\$957,159	\$1,996,357
Maintenance Nets, Gear & Storage	\$964,050	\$1,142,693	\$2,259,170
Insurance, Taxes, Fees, & Services	\$217,594	\$12,535	\$30,476
Income to Crew & Permit Holders (Incl. Loan Payments)	\$12,751,019	\$1,039,640	\$2,380,126

Source: Figure developed by Northern Economics based on discussions with industry, professional experience and on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003) as well as information from AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 2002) and (CFEC, 1980 - 2008).

Data for Figure ES-39 and Figure 95.

Table A- 96. Estimated Total Regional Economic Contribution from Bristol Bay Salmon Harvesting, 2008

Category	Economic Contribution	Percent of Economics Contribution
Total Sales From Harvests	\$110,600,000	84%
Fish Taxes to Local Governments	\$3,120,000	2%
Multiplier Effect	\$17,900,000	14%
Total	\$131,600,000	100%

Source: Figure developed by Northern Economics based on discussions with industry, professional experience and on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003) as well as data and information from (IMPLAN, 2008), AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 2002) and (CFEC, 1980 - 2008).

Data for Figure ES-40 and Figure 96.

Table A- 97. Estimated Total Regional Employment from Bristol Bay Salmon Harvesting,2008

Emplyee Category	Number of Jobs Contributed	Percent of Total Jobs
Local Crew & Permit Holders	1,100	79%
Local Government Jobs from Fish Taxes	100	7%
Multiplier Effect	200	14%
Total	1,400	100%

Source: Figure developed by Northern Economics based on discussions with industry, professional experience and on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003) as well as data and information from (IMPLAN, 2008), AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 2002) and (CFEC, 1980 - 2008).

Data for Figure ES-41 and Figure 97.

Table A- 98. Estimated Total Regional from Bristol Bay Salmon Harvesting,2008

Economic Impacts	Income	Percent of Total Income
Income to Local Crew & Permit Holders	\$12,750,000	67%
Income to Govement Workers from Fish Taxes	\$2,790,000	15%
Multiplier Effect	\$3,610,000	19%
Total	\$19,150,000	100%

Source: Figure developed by Northern Economics based on discussions with industry, professional experience and on data originally from earlier work by Northern Economics in (Northern Economic, Inc, 2003) as well as data and information from (IMPLAN, 2008), AEA (AEA, 1988 - 2009), US Bureau of Labor Statistics (US BLS, 1980 - 2008) and CFEC (CFEC, 2002) and (CFEC, 1980 - 2008).

Data for Figure ES-42 and Figure 98.

Per Capita Revenue

Table A- 99 and Table A- 100. Total Revenue from Harvesting of Watershed Permit Holders, 1984 – 2008, with Inflation Adjustment

Year	Set Gillnet	Drift Gillnet	Total	Total Adjusted for Inflation	Linear Trendline for Total
1984	\$4,895,186	\$23,668,684	\$28,563,870	\$60,088,295	\$85,259,555
1985	\$5,255,476	\$25,358,693	\$30,614,169	\$62,020,572	\$81,961,094
1986	\$9,800,878	\$31,534,866	\$41,335,744	\$82,822,624	\$78,662,632
1987	\$7,995,647	\$31,940,154	\$39,935,801	\$76,991,447	\$75,364,171
1988	\$12,086,446	\$44,201,503	\$56,287,949	\$104,120,831	\$72,065,710
1989	\$11,923,567	\$42,183,936	\$54,107,503	\$95,494,079	\$68,767,248
1990	\$11,314,321	\$39,263,719	\$50,578,040	\$85,282,357	\$65,468,787
1991	\$7,217,143	\$21,032,269	\$28,249,412	\$45,497,951	\$62,170,325
1992	\$10,257,051	\$34,921,039	\$45,178,090	\$70,234,307	\$58,871,864
1993	\$8,209,101	\$30,746,984	\$38,956,085	\$58,809,737	\$55,573,402
1994	\$8,910,789	\$31,038,948	\$39,949,737	\$58,732,276	\$52,274,941
1995	\$10,532,330	\$29,929,618	\$40,461,948	\$57,855,571	\$48,976,479
1996	\$8,681,494	\$24,283,019	\$32,964,513	\$45,849,120	\$45,678,018
1997	\$3,809,513	\$9,897,372	\$13,706,885	\$18,661,796	\$42,379,556
1998	\$5,173,666	\$12,048,059	\$17,221,725	\$23,074,585	\$39,081,095
1999	\$7,579,566	\$19,117,624	\$26,697,190	\$35,021,089	\$35,782,633
2000	\$6,095,930	\$13,970,047	\$20,065,977	\$25,351,367	\$32,484,172
2001	\$3,584,150	\$6,244,492	\$9,828,642	\$12,096,790	\$29,185,710
2002	\$2,194,777	\$3,511,489	\$5,706,266	\$6,922,045	\$25,887,249
2003	\$4,300,229	\$7,802,338	\$12,102,567	\$14,394,372	\$22,588,788
2004	\$3,231,781	\$10,732,837	\$13,964,618	\$16,161,797	\$19,290,326
2005	\$5,702,208	\$12,996,829	\$18,699,037	\$20,976,607	\$15,991,865
2006	\$5,662,187	\$15,392,482	\$21,054,669	\$22,634,544	\$12,693,403
2007	\$7,018,448	\$14,835,213	\$21,853,661	\$23,030,397	\$9,394,942
2008	\$7,167,740	\$12,658,151	\$19,825,891	\$19,825,891	\$6,096,480

Source: Figure developed by Northern Economics based on data from Commercial Fishery Entry Commission (CFEC, 1980 - 2008) and the US Bureau of Labor Statistics (US BLS, 1980 - 2008).

Data for Figure ES-43, Figure ES-44, Figure 99, and Figure 100

Table A- 101. Resident Bristol Bay Fishery Revenue per Capita, 1984 – 2008 (Adjusted for Inflation)

Year	Dillingham Census Area	Lake & Peninsula Excluding Chigniks	Bristol Bay Borough	Total (All Bristol Bay)
1984	\$7,964	\$13,684	\$12,732	\$9,878
1985	\$8,446	\$13,309	\$11,339	\$9,868
1986	\$11,753	\$13,765	\$14,236	\$12,595
1987	\$11,532	\$11,175	\$11,725	\$11,505
1988	\$16,204	\$17,069	\$11,093	\$15,328
1989	\$13,579	\$17,364	\$15,243	\$14,604
1990	\$11,930	\$16,333	\$13,593	\$13,042
1991	\$7,345	\$6,729	\$4,689	\$6,667
1992	\$9,820	\$11,880	\$8,746	\$9,945
1993	\$8,718	\$9,251	\$5,923	\$8,199
1994	\$7,773	\$10,301	\$9,679	\$8,593
1995	\$8,222	\$8,386	\$9,349	\$8,447
1996	\$6,220	\$6,307	\$7,957	\$6,541
1997	\$2,506	\$3,548	\$2,272	\$2,653
1998	\$3,167	\$3,024	\$3,278	\$3,160
1999	\$4,704	\$4,272	\$5,740	\$4,805
2000	\$3,684	\$2,152	\$3,462	\$3,375
2001	\$1,540	\$1,014	\$2,826	\$1,656
2002	\$744	\$1,181	\$1,580	\$950
2003	\$1,911	\$1,267	\$3,212	\$2,005
2004	\$2,061	\$2,190	\$3,284	\$2,271
2005	\$2,439	\$2,649	\$5,266	\$2,939
2006	\$2,948	\$2,999	\$4,815	\$3,239
2007	\$2,808	\$3,188	\$5,911	\$3,331
2008	\$2,515	\$2,332	\$4,989	\$2,850

Source: Figure developed by Northern Economics based on data from AK Dept of Labor and Workforce Development (ADOLWD, 1990 - 2008), Commercial Fisheries Entry Commission (CFEC, 1980 - 2008).
Data for Figure ES-45 and Figure 101