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Date: February 12, 2013

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From: Kurt Iverson, Research Project Leader  
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Subject: Board Generated Proposal 250  
(permit stacking) for the 2013  
Alaska Peninsula / Aleutian  
Islands Finfish Meeting

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This memorandum addresses a request from the Alaska Board of Fisheries (Board) Chairman Karl Johnstone to the Commercial Fisheries Entry Commission (CFEC) for information that may assist the Board in their consideration of Board Generated Proposal 250, which proposes the stacking of Bristol Bay salmon set gillnet (S04T) permits in the Egegik and Ugashik Districts.

This memorandum can be considered in conjunction with CFEC Report 12-2N, which addressed permit stacking at the Board's December 2012 finfish meeting in Naknek. The data presented here expands on some of the information presented at the December meeting, with a special emphasis on set gillnet participation in the Egegik and Ugashik districts.

Tables 1 through 5 herein provide district-specific data on participation, earnings, and effort (units of gear) for set gillnet operations from 2002 through 2011. The data originates from CFEC files, where analysts assign permit holders a residency status and determine whether individuals worked either single-permit or stacked-permit operations based upon the person's in-season permit holdings.

Table 6 provides background on the extent to which set gillnet permit holders fish more than one Bristol Bay district in a year. Table 7 delivers information on the rate of use of Department of Natural Resources (DNR) shore fishery leases by set gillnet permit holders in the Bristol Bay salmon districts. Maps are also provided that show the location of individual tracts of shore fishery leases in the Egegik and Ugashik districts.

#### **Participation and Earnings, By District, 2002 – 2011.**

Tables 1 through 5 indicate that effort (units of gear) in the Togiak and Ugashik Districts is much smaller than in the other three Bristol Bay districts. In all districts, effort was lowest in 2002, which was a year of exceptionally low salmon prices and earnings. In four of the five districts, effort tended to climb substantially through 2005 or 2006 before leveling off. An exception is in the Nushagak District, where the number of units of gear did not level off but continued to rise each year through 2011. Note, however, that

in many districts when permit stacking was in place in 2010 and 2011, effort may have remained relatively stable, but the number of individuals with landings dropped substantially.

Permit stacking was most prevalent in the Egegik (11.5% and 20.0% of the respective permit holders in 2010 and 2011) and Naknek-Kvichak (8.8% and 13.5%, respectively) Districts. Stacked-permit operations were least common in the Togiak District (2.7% and 2.5% of the total permit holders in 2010 and 2011).

Average earnings per individual often varies considerably between districts on an annual basis, but averaged over all ten years, the average gross earnings per permit in four of the five districts are somewhat similar, ranging from \$22,500 in Naknek-Kvichak to \$25,650 in Ugashik. Average earnings in Togiak were \$15,678 over the same ten-year period.

During the 2010 and 2011 seasons when permit stacking was allowed, the data indicate that in most years and districts, stacked permit operations (2 permits) averaged more than two times the earnings of single-permit operations. Exceptions occurred in the Naknek/Kvichak and Nushagak Districts in 2011, where the ratio of average earnings of stacked permit to single-permit operations was 1.96 and 1.83, respectively.

### **Permits Holders Fishing Multiple Districts, 1975 - 2011**

Some discussion with respect to Proposal 250 raised questions regarding the extent to which permit holders may shift their operations to Egegik or Ugashik if stacking were allowed in those districts. Tables 6 and 7, along with the accompanying maps, provide background information that may help address those questions.

Table 6 indicates the extent to which S04T permit holders have fished in more than one district over the history of the fishery since 1975. The data indicate that fishing in multiple districts, especially in the last ten years, is uncommon. The average over the most recent ten years (2002 to 2011) is less than 1%.

### **DNR Shore Fishery Leases**

The Department of Natural Resources (DNR) administers a shore fishery lease program for the use of state owned and managed tidelands by permit holders in five statewide salmon set gillnet fisheries. A shore fishery lease grants permit holders the first right of refusal to fish a section (tract) of tidelands. Many permit holders obtain shore fishery leases, although a lease is not required in order to fish.

In Bristol Bay, the DNR shore fishery lease program allows a permit holder to hold up to two tracts per fishable permit. When permit stacking was in place, individuals with two permits could therefore obtain up to four tracts (two tracts per permit). The total number of allowable tracts is contingent upon the number of set gillnets authorized under ADFG regulations. While most tracts in Egegik and Ugashik are adjacent to one another, some tracts may be scattered as far as five miles apart.

Table 7 shows the number of individuals who fished with DNR shore fishery leases in the Bristol Bay fishing districts. The table indicates that set gillnet permit holders in Egegik and Ugashik use shore fishery leases to a greater extent than permit holders in other districts, with 10-year average rates of 76% and 65% in the respective Egegik and Ugashik Districts. Maps on pages 9 and 10 depict the current location of lease tracts in Egegik and Ugashik. The maps indicate that the north side of the Egegik District is mostly full. Similar maps for the other Bristol Bay districts can be provided upon request.

Table 1. Egegik Landings

Year	Residency	Single/ Stacked	Individuals	Units of Gear	Ex-vessel Earnings	Average Ex-vessel Earnings	% of Total Individuals	% of Total Ex-vessel Earnings
2002	Local	Single	12	12	\$160,098	\$13,341	8.2%	7.8%
	Nonlocal Alaskan	Single	59	59	\$904,897	\$15,337	40.1%	43.8%
	Nonresident	Single	76	76	\$1,000,170	\$13,160	51.7%	48.4%
<b>Total</b>		<b>Single</b>	<b>147</b>	<b>147</b>	<b>\$2,065,165</b>	<b>\$14,049</b>	<b>100.0%</b>	<b>100.0%</b>
2003	Local	Single	18	18	\$144,168	\$8,009	9.7%	9.6%
	Nonlocal Alaskan	Single	76	76	\$631,723	\$8,312	41.1%	42.0%
	Nonresident	Single	91	91	\$728,745	\$8,008	49.2%	48.4%
<b>Total</b>		<b>Single</b>	<b>185</b>	<b>185</b>	<b>\$1,504,636</b>	<b>\$8,133</b>	<b>100.0%</b>	<b>100.0%</b>
2004	Local	Single	16	16	\$244,200	\$15,262	8.9%	6.1%
	Nonlocal Alaskan	Single	73	73	\$1,628,975	\$22,315	40.8%	40.9%
	Nonresident	Single	90	90	\$2,113,178	\$23,480	50.3%	53.0%
<b>Total</b>		<b>Single</b>	<b>179</b>	<b>179</b>	<b>\$3,986,353</b>	<b>\$22,270</b>	<b>100.0%</b>	<b>100.0%</b>
2005	Local	Single	18	18	\$356,122	\$19,785	9.8%	6.8%
	Nonlocal Alaskan	Single	76	76	\$2,275,694	\$29,943	41.3%	43.8%
	Nonresident	Single	90	90	\$2,569,088	\$28,545	48.9%	49.4%
<b>Total</b>		<b>Single</b>	<b>184</b>	<b>184</b>	<b>\$5,200,905</b>	<b>\$28,266</b>	<b>100.0%</b>	<b>100.0%</b>
2006	Local	Single	17	17	\$253,363	\$14,904	9.1%	5.9%
	Nonlocal Alaskan	Single	79	79	\$1,749,160	\$22,141	42.2%	40.8%
	Nonresident	Single	91	91	\$2,279,449	\$25,049	48.7%	53.2%
<b>Total</b>		<b>Single</b>	<b>187</b>	<b>187</b>	<b>\$4,281,973</b>	<b>\$22,898</b>	<b>100.0%</b>	<b>100.0%</b>
2007	Local	Single	16	16	\$187,387	\$11,712	8.3%	4.9%
	Nonlocal Alaskan	Single	80	80	\$1,449,098	\$18,114	41.7%	38.3%
	Nonresident	Single	96	96	\$2,151,104	\$22,407	50.0%	56.8%
<b>Total</b>		<b>Single</b>	<b>192</b>	<b>192</b>	<b>\$3,787,589</b>	<b>\$19,727</b>	<b>100.0%</b>	<b>100.0%</b>
2008	Local	Single	14	14	\$196,842	\$14,060	7.4%	4.5%
	Nonlocal Alaskan	Single	81	81	\$1,820,690	\$22,478	42.9%	41.3%
	Nonresident	Single	94	94	\$2,395,909	\$25,488	49.7%	54.3%
<b>Total</b>		<b>Single</b>	<b>189</b>	<b>189</b>	<b>\$4,413,441</b>	<b>\$23,352</b>	<b>100.0%</b>	<b>100.0%</b>
2009	Local	Single	14	14	\$396,033	\$28,288	7.1%	5.4%
	Nonlocal Alaskan	Single	86	86	\$2,872,700	\$33,403	43.4%	39.0%
	Nonresident	Single	98	98	\$4,087,949	\$41,714	49.5%	55.6%
<b>Total</b>		<b>Single</b>	<b>198</b>	<b>198</b>	<b>\$7,356,681</b>	<b>\$37,155</b>	<b>100.0%</b>	<b>100.0%</b>
2010	Local	Single	13	13	**	**	7.5%	**
		Stacked	1	2	**	**	0.6%	**
		Combined	14	15	\$194,882	\$13,920	8.0%	4.6%
	Nonlocal Alaskan	Single	59	59	\$1,226,896	\$20,795	33.9%	29.1%
		Stacked	10	20	\$554,317	\$55,432	5.7%	13.2%
		Combined	69	79	\$1,781,213	\$25,815	39.7%	42.3%
	Nonresident	Single	82	82	\$1,670,907	\$20,377	47.1%	39.7%
		Stacked	9	18	\$562,653	\$62,517	5.2%	13.4%
		Combined	91	100	\$2,233,560	\$24,545	52.3%	53.1%
<b>Total</b>	Single	154	154	\$3,061,469	\$19,880	88.5%	72.7%	
	Stacked	20	40	\$1,148,186	\$57,409	11.5%	27.3%	
	Combined	174	194	\$4,209,655	\$24,193	100.0%	100.0%	
2011	Local	Single	10	10	**	**	6.1%	**
		Stacked	2	4	**	**	1.2%	**
		Combined	12	14	\$265,760	\$22,147	7.3%	5.3%
	Nonlocal Alaskan	Single	49	49	\$1,143,231	\$23,331	29.7%	22.8%
		Stacked	16	32	\$994,246	\$62,140	9.7%	19.8%
		Combined	65	81	\$2,137,476	\$32,884	39.4%	42.6%
	Nonresident	Single	73	73	\$1,714,755	\$23,490	44.2%	34.1%
		Stacked	15	30	\$903,892	\$60,259	9.1%	18.0%
		Combined	88	103	\$2,618,647	\$29,757	53.3%	52.1%
<b>Total</b>	Single	132	132	\$3,037,246	\$23,009	80.0%	60.5%	
	Stacked	33	66	\$1,984,638	\$60,141	20.0%	39.5%	
	Combined	165	198	\$5,021,884	\$30,436	100.0%	100.0%	

\*\* Masked to preserve confidentiality.

Table 2. Ugashik Landings

Year	Residency	Single/ Stacked	Individuals	Units of Gear	Ex-vessel Earnings	Average Ex- vessel Earnings	% of Total Individuals	% of Total Ex-vessel Earnings
2002	Local	Single	12	12	\$222,485	\$18,540	34.3%	38.4%
	Nonlocal Alaskan	Single	11	11	\$187,619	\$17,056	31.4%	32.3%
	Nonresident	Single	12	12	\$169,980	\$14,165	34.3%	29.3%
<b>Total</b>		<b>Single</b>	<b>35</b>	<b>35</b>	<b>\$580,084</b>	<b>\$16,574</b>	<b>100.0%</b>	<b>100.0%</b>
2003	Local	Single	13	13	\$216,038	\$16,618	25.0%	32.1%
	Nonlocal Alaskan	Single	21	21	\$258,068	\$12,289	40.4%	38.3%
	Nonresident	Single	18	18	\$199,644	\$11,091	34.6%	29.6%
<b>Total</b>		<b>Single</b>	<b>52</b>	<b>52</b>	<b>\$673,750</b>	<b>\$12,957</b>	<b>100.0%</b>	<b>100.0%</b>
2004	Local	Single	12	12	\$298,937	\$24,911	27.3%	25.9%
	Nonlocal Alaskan	Single	20	20	\$547,414	\$27,371	45.5%	47.5%
	Nonresident	Single	12	12	\$306,507	\$25,542	27.3%	26.6%
<b>Total</b>		<b>Single</b>	<b>44</b>	<b>44</b>	<b>\$1,152,859</b>	<b>\$26,201</b>	<b>100.0%</b>	<b>100.0%</b>
2005	Local	Single	16	16	\$352,356	\$22,022	27.6%	27.3%
	Nonlocal Alaskan	Single	27	27	\$596,839	\$22,105	46.6%	46.2%
	Nonresident	Single	15	15	\$341,744	\$22,783	25.9%	26.5%
<b>Total</b>		<b>Single</b>	<b>58</b>	<b>58</b>	<b>\$1,290,939</b>	<b>\$22,258</b>	<b>100.0%</b>	<b>100.0%</b>
2006	Local	Single	14	14	\$269,138	\$19,224	25.0%	24.1%
	Nonlocal Alaskan	Single	23	23	\$462,343	\$20,102	41.1%	41.4%
	Nonresident	Single	19	19	\$386,228	\$20,328	33.9%	34.6%
<b>Total</b>		<b>Single</b>	<b>56</b>	<b>56</b>	<b>\$1,117,709</b>	<b>\$19,959</b>	<b>100.0%</b>	<b>100.0%</b>
2007	Local	Single	10	10	\$317,553	\$31,755	20.0%	22.2%
	Nonlocal Alaskan	Single	24	24	\$605,170	\$25,215	48.0%	42.4%
	Nonresident	Single	16	16	\$506,043	\$31,628	32.0%	35.4%
<b>Total</b>		<b>Single</b>	<b>50</b>	<b>50</b>	<b>\$1,428,766</b>	<b>\$28,575</b>	<b>100.0%</b>	<b>100.0%</b>
2008	Local	Single	11	11	\$169,036	\$15,367	20.8%	21.7%
	Nonlocal Alaskan	Single	23	23	\$344,233	\$14,967	43.4%	44.2%
	Nonresident	Single	19	19	\$265,285	\$13,962	35.8%	34.1%
<b>Total</b>		<b>Single</b>	<b>53</b>	<b>53</b>	<b>\$778,555</b>	<b>\$14,690</b>	<b>100.0%</b>	<b>100.0%</b>
2009	Local	Single	12	12	\$376,484	\$31,374	21.8%	24.9%
	Nonlocal Alaskan	Single	26	26	\$629,879	\$24,226	47.3%	41.6%
	Nonresident	Single	17	17	\$507,327	\$29,843	30.9%	33.5%
<b>Total</b>		<b>Single</b>	<b>55</b>	<b>55</b>	<b>\$1,513,689</b>	<b>\$27,522</b>	<b>100.0%</b>	<b>100.0%</b>
2010	Local	Single	10	10	**	**	20.0%	**
		Stacked	1	2	**	**	2.0%	**
		Combined	11	12	\$523,052	\$47,550	22.0%	**
	Nonlocal Alaskan	Single	21	21	**	**	42.0%	**
		Stacked	2	4	**	**	4.0%	**
		Combined	23	25	\$1,004,855	\$43,689	46.0%	**
	Nonresident	Single	16	16	\$690,272	\$43,142	32.0%	**
		Stacked	0	0	-	-	0.0%	-
		Combined	16	16	\$690,272	\$43,142	32.0%	**
<b>Total</b>	<b>Single</b>	<b>47</b>	<b>47</b>	<b>**</b>	<b>**</b>	<b>94.0%</b>	<b>**</b>	
	<b>Stacked</b>	<b>3</b>	<b>6</b>	<b>**</b>	<b>**</b>	<b>6.0%</b>	<b>**</b>	
	<b>Combined</b>	<b>50</b>	<b>53</b>	<b>\$2,218,179</b>	<b>\$44,364</b>	<b>100.0%</b>	<b>**</b>	
2011	Local	Single	8	8	**	**	16.3%	**
		Stacked	1	2	**	**	2.0%	**
		Combined	9	10	\$418,749	\$46,528	18.4%	19.7%
	Nonlocal Alaskan	Single	23	23	**	**	46.9%	**
		Stacked	3	6	**	**	6.1%	**
		Combined	26	29	\$1,141,908	\$43,920	53.1%	53.7%
	Nonresident	Single	14	14	\$565,964	\$40,426	28.6%	26.6%
		Stacked	0	0	-	-	0.0%	-
		Combined	14	14	\$565,964	\$40,426	28.6%	26.6%
<b>Total</b>	<b>Single</b>	<b>45</b>	<b>45</b>	<b>\$1,562,473</b>	<b>\$34,722</b>	<b>91.8%</b>	<b>73.5%</b>	
	<b>Stacked</b>	<b>4</b>	<b>8</b>	<b>\$564,148</b>	<b>\$141,037</b>	<b>8.2%</b>	<b>26.5%</b>	
	<b>Combined</b>	<b>49</b>	<b>53</b>	<b>\$2,126,621</b>	<b>\$43,400</b>	<b>100.0%</b>	<b>100.0%</b>	

\*\* Masked to preserve confidentiality.

Table 3. Naknek-Kvichak Landings

Year	Residency	Single/ Stacked	Individuals	Units of Gear	Ex-vessel Earnings	Average Ex- vessel Earnings	% of Total Individuals	% of Total Ex- vessel Earnings
2002	Local	Single	113	113	\$665,689	\$5,891	48.7%	44.7%
	Nonlocal Alaskan	Single	59	59	\$420,624	\$7,129	25.4%	28.2%
	Nonresident	Single	60	60	\$403,684	\$6,728	25.9%	27.1%
	<b>Total</b>	<b>Single</b>	<b>232</b>	<b>232</b>	<b>\$1,489,998</b>	<b>\$6,422</b>	<b>100.0%</b>	<b>100.0%</b>
2003	Local	Single	118	118	\$1,595,824	\$13,524	48.2%	44.3%
	Nonlocal Alaskan	Single	67	67	\$981,889	\$14,655	27.3%	27.3%
	Nonresident	Single	60	60	\$1,023,138	\$17,052	24.5%	28.4%
	<b>Total</b>	<b>Single</b>	<b>245</b>	<b>245</b>	<b>\$3,600,851</b>	<b>\$14,697</b>	<b>100.0%</b>	<b>100.0%</b>
2004	Local	Single	118	118	\$977,635	\$8,285	42.6%	38.2%
	Nonlocal Alaskan	Single	81	81	\$725,302	\$8,954	29.2%	28.4%
	Nonresident	Single	78	78	\$853,316	\$10,940	28.2%	33.4%
	<b>Total</b>	<b>Single</b>	<b>277</b>	<b>277</b>	<b>\$2,556,252</b>	<b>\$9,228</b>	<b>100.0%</b>	<b>100.0%</b>
2005	Local	Single	124	124	\$2,548,621	\$20,553	42.9%	44.0%
	Nonlocal Alaskan	Single	83	83	\$1,588,720	\$19,141	28.7%	27.4%
	Nonresident	Single	82	82	\$1,656,822	\$20,205	28.4%	28.6%
	<b>Total</b>	<b>Single</b>	<b>289</b>	<b>289</b>	<b>\$5,794,163</b>	<b>\$20,049</b>	<b>100.0%</b>	<b>100.0%</b>
2006	Local	Single	128	128	\$1,907,297	\$14,901	41.7%	46.5%
	Nonlocal Alaskan	Single	83	83	\$1,020,888	\$12,300	27.0%	24.9%
	Nonresident	Single	96	96	\$1,176,871	\$12,259	31.3%	28.7%
	<b>Total</b>	<b>Single</b>	<b>307</b>	<b>307</b>	<b>\$4,105,056</b>	<b>\$13,372</b>	<b>100.0%</b>	<b>100.0%</b>
2007	Local	Single	120	120	\$2,644,531	\$22,038	41.1%	40.8%
	Nonlocal Alaskan	Single	80	80	\$1,640,464	\$20,506	27.4%	25.3%
	Nonresident	Single	92	92	\$2,196,448	\$23,874	31.5%	33.9%
	<b>Total</b>	<b>Single</b>	<b>292</b>	<b>292</b>	<b>\$6,481,443</b>	<b>\$22,197</b>	<b>100.0%</b>	<b>100.0%</b>
2008	Local	Single	114	114	\$3,208,639	\$28,146	40.1%	39.4%
	Nonlocal Alaskan	Single	85	85	\$2,070,181	\$24,355	29.9%	25.4%
	Nonresident	Single	85	85	\$2,873,483	\$33,806	29.9%	35.2%
	<b>Total</b>	<b>Single</b>	<b>284</b>	<b>284</b>	<b>\$8,152,303</b>	<b>\$28,705</b>	<b>100.0%</b>	<b>100.0%</b>
2009	Local	Single	111	111	\$2,846,484	\$25,644	39.6%	37.0%
	Nonlocal Alaskan	Single	82	82	\$2,052,936	\$25,036	29.3%	26.7%
	Nonresident	Single	87	87	\$2,792,351	\$32,096	31.1%	36.3%
	<b>Total</b>	<b>Single</b>	<b>280</b>	<b>280</b>	<b>\$7,691,771</b>	<b>\$27,471</b>	<b>100.0%</b>	<b>100.0%</b>
2010	Local	Single	91	91	\$3,010,392	\$33,081	34.9%	26.5%
		Stacked	8	16	\$753,972	\$94,247	3.1%	6.6%
		<b>Combined</b>	<b>99</b>	<b>107</b>	<b>\$3,764,364</b>	<b>\$38,024</b>	<b>37.9%</b>	<b>33.2%</b>
	Nonlocal Alaskan	Single	64	64	\$2,057,202	\$32,144	24.5%	18.1%
		Stacked	8	16	\$631,949	\$78,994	3.1%	5.6%
		<b>Combined</b>	<b>72</b>	<b>80</b>	<b>\$2,689,151</b>	<b>\$37,349</b>	<b>27.6%</b>	<b>23.7%</b>
	Nonresident	Single	83	83	\$4,228,566	\$50,947	31.8%	37.2%
		Stacked	7	14	\$672,037	\$96,005	2.7%	5.9%
		<b>Combined</b>	<b>90</b>	<b>97</b>	<b>\$4,900,603</b>	<b>\$54,451</b>	<b>34.5%</b>	<b>43.2%</b>
	<b>Total</b>	<b>Single</b>	<b>238</b>	<b>238</b>	<b>\$9,296,160</b>	<b>\$39,059</b>	<b>91.2%</b>	<b>81.9%</b>
<b>Stacked</b>		<b>23</b>	<b>46</b>	<b>\$2,057,959</b>	<b>\$89,476</b>	<b>8.8%</b>	<b>18.1%</b>	
<b>Combined</b>		<b>261</b>	<b>284</b>	<b>\$11,354,119</b>	<b>\$43,502</b>	<b>100.0%</b>	<b>100.0%</b>	
2011	Local	Single	87	87	\$2,908,326	\$33,429	35.5%	29.8%
		Stacked	7	14	\$545,370	\$77,910	2.9%	5.6%
		<b>Combined</b>	<b>94</b>	<b>101</b>	<b>\$3,453,696</b>	<b>\$36,741</b>	<b>38.4%</b>	<b>35.4%</b>
	Nonlocal Alaskan	Single	54	54	\$1,683,287	\$31,172	22.0%	17.2%
		Stacked	14	28	\$803,302	\$57,379	5.7%	8.2%
		<b>Combined</b>	<b>68</b>	<b>82</b>	<b>\$2,486,589</b>	<b>\$36,567</b>	<b>27.8%</b>	<b>25.5%</b>
	Nonresident	Single	71	71	\$2,890,557	\$40,712	29.0%	29.6%
		Stacked	12	24	\$933,981	\$77,832	4.9%	9.6%
		<b>Combined</b>	<b>83</b>	<b>95</b>	<b>\$3,824,538</b>	<b>\$46,079</b>	<b>33.9%</b>	<b>39.2%</b>
	<b>Total</b>	<b>Single</b>	<b>212</b>	<b>212</b>	<b>\$7,482,170</b>	<b>\$35,293</b>	<b>86.5%</b>	<b>76.6%</b>
		<b>Stacked</b>	<b>33</b>	<b>66</b>	<b>\$2,282,653</b>	<b>\$69,171</b>	<b>13.5%</b>	<b>23.4%</b>
		<b>Combined</b>	<b>245</b>	<b>278</b>	<b>\$9,764,823</b>	<b>\$39,856</b>	<b>100.0%</b>	<b>100.0%</b>

\*\* Masked to preserve confidentiality.

Table 4. Nushagak Landings

Year	Residency	Single/ Stacked	Individuals	Units of Gear	Ex-vessel Earnings	Average Ex- vessel Earnings	% of Total Individuals	% of Total Ex- vessel Earnings
2002	Local	Single	95	95	\$852,701	\$8,976	44.2%	39.9%
	Nonlocal Alaskan	Single	55	55	\$531,211	\$9,658	25.6%	24.9%
	Nonresident	Single	65	65	\$750,512	\$11,546	30.2%	35.2%
<b>Total</b>		<b>Single</b>	<b>215</b>	<b>215</b>	<b>\$2,134,424</b>	<b>\$9,928</b>	<b>100.0%</b>	<b>100.0%</b>
2003	Local	Single	91	91	\$1,501,463	\$16,500	40.6%	41.0%
	Nonlocal Alaskan	Single	61	61	\$1,067,417	\$17,499	27.2%	29.1%
	Nonresident	Single	72	72	\$1,094,190	\$15,197	32.1%	29.9%
<b>Total</b>		<b>Single</b>	<b>224</b>	<b>224</b>	<b>\$3,663,070</b>	<b>\$16,353</b>	<b>100.0%</b>	<b>100.0%</b>
2004	Local	Single	89	89	\$1,066,604	\$11,984	38.2%	33.0%
	Nonlocal Alaskan	Single	66	66	\$985,016	\$14,924	28.3%	30.5%
	Nonresident	Single	78	78	\$1,177,683	\$15,098	33.5%	36.5%
<b>Total</b>		<b>Single</b>	<b>233</b>	<b>233</b>	<b>\$3,229,303</b>	<b>\$13,860</b>	<b>100.0%</b>	<b>100.0%</b>
2005	Local	Single	94	94	\$1,629,112	\$17,331	39.5%	39.0%
	Nonlocal Alaskan	Single	69	69	\$1,261,327	\$18,280	29.0%	30.2%
	Nonresident	Single	75	75	\$1,290,023	\$17,200	31.5%	30.9%
<b>Total</b>		<b>Single</b>	<b>238</b>	<b>238</b>	<b>\$4,180,462</b>	<b>\$17,565</b>	<b>100.0%</b>	<b>100.0%</b>
2006	Local	Single	97	97	\$2,037,153	\$21,002	41.3%	40.2%
	Nonlocal Alaskan	Single	69	69	\$1,630,808	\$23,635	29.4%	32.2%
	Nonresident	Single	69	69	\$1,403,714	\$20,344	29.4%	27.7%
<b>Total</b>		<b>Single</b>	<b>235</b>	<b>235</b>	<b>\$5,071,675</b>	<b>\$21,582</b>	<b>100.0%</b>	<b>100.0%</b>
2007	Local	Single	99	99	\$2,495,891	\$25,211	41.3%	37.6%
	Nonlocal Alaskan	Single	67	67	\$2,150,882	\$32,103	27.9%	32.4%
	Nonresident	Single	74	74	\$1,996,871	\$26,985	30.8%	30.1%
<b>Total</b>		<b>Single</b>	<b>240</b>	<b>240</b>	<b>\$6,643,644</b>	<b>\$27,682</b>	<b>100.0%</b>	<b>100.0%</b>
2008	Local	Single	101	101	\$2,723,518	\$26,966	39.6%	43.6%
	Nonlocal Alaskan	Single	73	73	\$1,934,322	\$26,498	28.6%	30.9%
	Nonresident	Single	81	81	\$1,594,011	\$19,679	31.8%	25.5%
<b>Total</b>		<b>Single</b>	<b>255</b>	<b>255</b>	<b>\$6,251,851</b>	<b>\$24,517</b>	<b>100.0%</b>	<b>100.0%</b>
2009	Local	Single	101	101	\$3,448,126	\$34,140	39.5%	41.2%
	Nonlocal Alaskan	Single	74	74	\$2,547,997	\$34,432	28.9%	30.4%
	Nonresident	Single	81	81	\$2,378,367	\$29,363	31.6%	28.4%
<b>Total</b>		<b>Single</b>	<b>256</b>	<b>256</b>	<b>\$8,374,490</b>	<b>\$32,713</b>	<b>100.0%</b>	<b>100.0%</b>
2010	Local	Single	105	105	\$4,071,637	\$38,777	39.3%	35.7%
		Stacked	9	18	\$407,325	\$45,258	3.4%	3.6%
		Combined	114	123	\$4,478,961	\$39,289	42.7%	39.3%
	Nonlocal Alaskan	Single	67	67	\$2,459,630	\$36,711	25.1%	21.6%
		Stacked	6	12	\$948,091	\$158,015	2.2%	8.3%
		Combined	73	79	\$3,407,721	\$46,681	27.3%	29.9%
	Nonresident	Single	75	75	\$2,910,019	\$38,800	28.1%	25.5%
		Stacked	5	10	\$606,253	\$121,251	1.9%	5.3%
		Combined	80	85	\$3,516,272	\$43,953	30.0%	30.8%
<b>Total</b>	<b>Single</b>	<b>247</b>	<b>247</b>	<b>\$9,441,286</b>	<b>\$38,224</b>	<b>92.5%</b>	<b>82.8%</b>	
	<b>Stacked</b>	<b>20</b>	<b>40</b>	<b>\$1,961,669</b>	<b>\$98,083</b>	<b>7.5%</b>	<b>17.2%</b>	
	<b>Combined</b>	<b>267</b>	<b>287</b>	<b>\$11,402,955</b>	<b>\$42,708</b>	<b>100.0%</b>	<b>100.0%</b>	
2011	Local	Single	111	111	\$3,438,844	\$30,981	42.4%	42.4%
		Stacked	6	12	\$279,363	\$46,560	2.3%	3.4%
		Combined	117	123	\$3,718,207	\$31,780	44.7%	45.9%
	Nonlocal Alaskan	Single	62	62	\$1,663,651	\$26,833	23.7%	20.5%
		Stacked	9	18	\$563,134	\$62,570	3.4%	6.9%
		Combined	71	80	\$2,226,785	\$31,363	27.1%	27.5%
	Nonresident	Single	60	60	\$1,501,316	\$25,022	22.9%	18.5%
		Stacked	14	28	\$661,846	\$47,275	5.3%	8.2%
		Combined	74	88	\$2,163,162	\$29,232	28.2%	26.7%
<b>Total</b>	<b>Single</b>	<b>233</b>	<b>233</b>	<b>\$6,603,810</b>	<b>\$28,343</b>	<b>88.9%</b>	<b>81.4%</b>	
	<b>Stacked</b>	<b>29</b>	<b>58</b>	<b>\$1,504,343</b>	<b>\$51,874</b>	<b>11.1%</b>	<b>18.6%</b>	
	<b>Combined</b>	<b>262</b>	<b>291</b>	<b>\$8,108,153</b>	<b>\$30,947</b>	<b>100.0%</b>	<b>100.0%</b>	

\*\* Masked to preserve confidentiality.

Table 5. Togiak Landings

Year	Residency	Single/ Stacked	Individuals	Units of Gear	Ex-vessel Earnings	Average Ex-vessel Earnings	% of Total Individuals	% of Total Ex- vessel Earnings
2002	Local	Single	55	55	\$291,097	\$5,293	93.2%	91.2%
	Nonlocal Alaskan	Single	4	4	\$28,040	\$7,010	6.8%	8.8%
	Nonresident	Single	0	0	-	-	0.0%	-
<b>Total</b>		<b>Single</b>	<b>59</b>	<b>59</b>	<b>\$319,137</b>	<b>\$5,409</b>	<b>100.0%</b>	<b>100.0%</b>
2003	Local	Single	70	70	\$837,219	\$11,960	92.1%	86.5%
	Nonlocal Alaskan	Single	6	6	\$130,410	\$21,735	7.9%	13.5%
	Nonresident	Single	0	0	-	-	0.0%	-
<b>Total</b>		<b>Single</b>	<b>76</b>	<b>76</b>	<b>\$967,629</b>	<b>\$12,732</b>	<b>100.0%</b>	<b>100.0%</b>
2004	Local	Single	63	63	\$631,752	\$10,028	88.7%	87.5%
	Nonlocal Alaskan	Single	8	8	\$90,395	\$11,299	11.3%	12.5%
	Nonresident	Single	0	0	-	-	0.0%	-
<b>Total</b>		<b>Single</b>	<b>71</b>	<b>71</b>	<b>\$722,147</b>	<b>\$10,171</b>	<b>100.0%</b>	<b>100.0%</b>
2005	Local	Single	61	61	\$792,995	\$13,000	84.7%	85.7%
	Nonlocal Alaskan	Single	11	11	\$132,754	\$12,069	15.3%	14.3%
	Nonresident	Single	0	0	-	-	0.0%	-
<b>Total</b>		<b>Single</b>	<b>72</b>	<b>72</b>	<b>\$925,749</b>	<b>\$12,858</b>	<b>100.0%</b>	<b>100.0%</b>
2006	Local	Single	65	65	\$1,167,294	\$17,958	85.5%	84.6%
	Nonlocal Alaskan	Single	11	11	\$211,779	\$19,253	14.5%	15.4%
	Nonresident	Single	0	0	-	-	0.0%	-
<b>Total</b>		<b>Single</b>	<b>76</b>	<b>76</b>	<b>\$1,379,073</b>	<b>\$18,146</b>	<b>100.0%</b>	<b>100.0%</b>
2007	Local	Single	67	67	\$1,373,087	\$20,494	89.3%	88.4%
	Nonlocal Alaskan	Single	8	8	\$180,330	\$22,541	10.7%	11.6%
	Nonresident	Single	0	0	-	-	0.0%	-
<b>Total</b>		<b>Single</b>	<b>75</b>	<b>75</b>	<b>\$1,553,416</b>	<b>\$20,712</b>	<b>100.0%</b>	<b>100.0%</b>
2008	Local	Single	67	67	\$1,257,720	\$18,772	91.8%	92.7%
	Nonlocal Alaskan	Single	5	5	**	**	6.8%	**
	Nonresident	Single	1	1	**	**	1.4%	**
<b>Total</b>		<b>Single</b>	<b>73</b>	<b>73</b>	<b>\$1,357,369</b>	<b>\$18,594</b>	<b>100.0%</b>	<b>100.0%</b>
2009	Local	Single	67	67	\$1,200,106	\$17,912	93.1%	94.3%
	Nonlocal Alaskan	Single	5	5	\$72,066	\$14,413	6.9%	5.7%
	Nonresident	Single	0	0	-	-	0.0%	-
<b>Total</b>		<b>Single</b>	<b>72</b>	<b>72</b>	<b>\$1,272,172</b>	<b>\$17,669</b>	<b>100.0%</b>	<b>100.0%</b>
2010	Local	Single	65	65	**	**	87.8%	**
		Stacked	1	2	**	**	1.4%	**
		Combined	66	67	\$1,707,835	\$25,876	89.2%	93.0%
	Nonlocal Alaskan	Single	7	7	**	**	9.5%	**
		Stacked	1	2	**	**	1.4%	**
		Combined	8	9	\$128,189	\$16,024	10.8%	7.0%
	Nonresident	Single	0	0	-	-	0.0%	-
		Stacked	0	0	-	-	0.0%	-
		Combined	0	0	-	-	0.0%	-
<b>Total</b>	Single	72	72	**	**	97.3%	**	
	Stacked	2	4	**	**	2.7%	**	
	Combined	74	76	\$1,836,024	\$24,811	100.0%	100.0%	
2011	Local	Single	74	74	**	**	91.4%	**
		Stacked	1	2	**	**	1.2%	**
		Combined	75	76	\$2,201,431	\$29,352	92.6%	**
	Nonlocal Alaskan	Single	4	4	**	**	4.9%	**
		Stacked	1	2	**	**	1.2%	**
		Combined	5	6	\$139,278	\$27,856	6.2%	**
	Nonresident	Single	1	1	**	**	1.2%	**
		Stacked	0	0	-	-	0.0%	**
		Combined	1	1	**	**	1.2%	**
<b>Total</b>	Single	79	79	\$2,256,091	\$28,558	97.5%	**	
	Stacked	2	4	**	**	2.5%	**	
	Combined	81	83	**	**	100.0%	**	

\*\* Masked to preserve confidentiality.

**Table 6. S04T Permit Holders and Fishing in Multiple Bristol Bay Districts**

Year	Permit Holders	Multiple Districts	% Multiple Districts	Year	Permit Holders	Multiple Districts	% Multiple Districts	Year	Permit Holders	Multiple Districts	% Multiple Districts
1975	429	16	3.7%	1988	937	90	9.6%	2001	842	20	2.4%
1976	508	29	5.7%	1989	992	56	5.6%	2002	682	6	0.9%
1977	490	10	2.0%	1990	991	104	10.5%	2003	770	15	1.9%
1978	654	35	5.4%	1991	965	73	7.6%	2004	801	7	0.9%
1979	754	31	4.1%	1992	1003	71	7.1%	2005	833	7	0.8%
1980	809	60	7.4%	1993	992	67	6.8%	2006	855	7	0.8%
1981	856	58	6.8%	1994	957	80	8.4%	2007	846	3	0.4%
1982	873	50	5.7%	1995	994	48	4.8%	2008	854	0	0.0%
1983	884	47	5.3%	1996	963	39	4.0%	2009	858	3	0.3%
1984	878	57	6.5%	1997	943	41	4.3%	2010	816	10	1.2%
1985	884	50	5.7%	1998	916	19	2.1%	2011	795	7	0.9%
1986	888	87	9.8%	1999	931	7	0.8%				
1987	919	48	5.2%	2000	934	40	4.3%				

Notes: Permit Holders is the number of Bristol Bay salmon set gillnet permit holders with landings.  
Multiple Districts is the number of permit holders who made landings in more than one district.

**Table 7. S04T Permit Holders With Landings and Their Association With DNR Shore Fishery Leases**

Year	Egegik			Ugashik		
	Individuals With Landings	Individuals With a Lease(s)	Rate	Individuals With Landings	Individuals With a Lease(s)	Rate
2002	147	114	77.6%	34	23	67.6%
2003	185	136	73.5%	47	31	66.0%
2004	179	130	72.6%	43	27	62.8%
2005	184	138	75.0%	55	31	56.4%
2006	187	137	73.3%	54	30	55.6%
2007	192	148	77.1%	49	32	65.3%
2008	189	143	75.7%	53	32	60.4%
2009	198	152	76.8%	55	39	70.9%
2010	174	136	78.2%	47	36	76.6%
2011	165	132	80.0%	49	37	75.5%

Year	Naknek-Kvichak			Nushagak			Togiak		
	Individuals With Landings	Individuals With a Lease(s)	Rate	Individuals With Landings	Individuals With a Lease(s)	Rate	Individuals With Landings	Individuals With a Lease(s)	Rate
2002	231	120	51.9%	211	96	45.5%	59	10	16.9%
2003	242	121	50.0%	223	95	42.6%	71	13	18.3%
2004	273	145	53.1%	231	104	45.0%	71	12	16.9%
2005	286	144	50.3%	236	109	46.2%	72	11	15.3%
2006	303	149	49.2%	234	112	47.9%	76	12	15.8%
2007	291	143	49.1%	240	107	44.6%	74	13	17.6%
2008	284	147	51.8%	255	113	44.3%	73	14	19.2%
2009	279	155	55.6%	256	119	46.5%	70	17	24.3%
2010	260	148	56.9%	267	133	49.8%	68	16	23.5%
2011	245	151	61.6%	262	142	54.2%	74	20	27.0%

# Egegik Fishing District and DNR Shore Fishery Lease Sites



Notes: Red polygons indicate individual lease tracts. Permit holders are allowed up to two tracts per fishable permit in the Egegik District. Fishing district boundaries and DNR lease sites are approximate in location.

## Ugashik Fishing District and DNR Shore Fishery Lease Sites



Notes: Red polygons indicate individual lease tracts. Permit holders are allowed up to two tracts per fishable permit in the Ugashik District. Fishing district boundaries and DNR lease sites are approximate in location.