

Appendix C: Community Analysis Supplemental Information (5/29/15)

Three newly developed supplemental tables for Appendix C: Community Analysis provided here are intended to augment the community-level impacts discussion in that document (Section 4 of Appendix C).

The first two of these tables contain information on non-fishing employment and wage and salary income for halibut permit holders in Area 4 halibut dependent communities.

- Appendix C: Supplemental Table 1 provides employment and wage and salary income (non-fishing) for Area 4 halibut permit holders for Alaska Area 4 halibut dependent communities for the years 2008-2013.
- Appendix C: Supplemental Table 2 provides annual average 2008-2013 employment and wage and salary income (non-fishing) for Area 4 halibut permit holders for Alaska Area 4 halibut dependent communities and a percentage comparison to the total Area 4 halibut ex-vessel gross revenues for catcher vessels owned by residents of those same communities.

The purpose of these two tables is to provide additional information for the employment plurality discussion, whereby halibut permit holders in a number of communities often use multiple sources of employment and income to make a living over the course of a year, with the proportion of total personal income derived from the halibut fishery varying between communities. It is understood that ex-vessel gross revenue values are not directly comparable to wage and salary income, as the net revenues accruing to the permit holder would necessarily reflect deductions from gross revenues for vessel owner, skipper, and crew shares, as relevant, as well as vessel expenses. Nevertheless, as shown in the table, non-fishing wage and salary income of halibut permit owners substantially exceeds halibut ex-vessel gross revenues for all community resident-owned vessels in some communities, while in other communities the opposite is true.

The third supplemental table provided, Appendix C: Supplemental Table 3, provides information on the distribution of pounds gained by community for each 100,000 pound increase in area halibut harvest, assuming patterns of harvest present over 2008-2013 remain constant. The purpose of this table is to provide more quantitative information on the relative distribution by community of potential beneficial impacts that would result from increases in Area 4 halibut harvest (regardless of the source of that increase, whether through BSAI halibut PSC limit revisions or through other factors, noting that a BSAI halibut PSC limit reduction would not equate pound for pound with an increase in halibut target fishery harvest).

Appendix C: Supplemental Table 1

Employment and Wage and Salary Income (non-fishing) of Area 4 Halibut Permit Holders, Alaska Halibut Dependent Communities, 2008-2013

City of AKFIN Record (Area 4 Halibut Dependent Communities Only)	Total Unique Area 4 Halibut Permit Holders 2008-2013	2008		2009		2010		2011		2012		2013	
		Number of Employed Halibut Permit Holders	Total Wage and Salary Income (non- fishing) of Employed Halibut Permit Holders	Number of Employed Halibut Permit Holders	Total Wage and Salary Income (non- fishing) of Employed Halibut Permit Holders	Number of Employed Halibut Permit Holders	Total Wage and Salary Income (non- fishing) of Employed Halibut Permit Holders	Number of Employed Halibut Permit Holders	Total Wage and Salary Income (non- fishing) of Employed Halibut Permit Holders	Number of Employed Halibut Permit Holders	Total Wage and Salary Income (non- fishing) of Employed Halibut Permit Holders	Number of Employed Halibut Permit Holders	Total Wage and Salary Income (non- fishing) of Employed Halibut Permit Holders
Adak*	--	--	--	--	--	--	--	--	--	--	--	--	--
Akutan	8	6	\$103,177	6	\$123,765	5	\$121,130	6	\$113,067	6	\$122,239	7	\$241,218
Atka	6	5	\$101,608	5	\$117,903	5	\$74,551	4	ND	6	\$47,105	4	ND
Chefornak	36	32	\$592,982	31	\$499,679	31	\$520,829	29	\$668,796	29	\$657,092	25	\$409,828
Dutch Harbor**	6	3	ND	3	ND	3	ND	3	ND	3	ND	3	ND
Hooper Bay	18	14	\$267,455	15	\$196,823	17	\$233,943	15	\$254,195	14	\$289,314	13	\$265,395
Kipnuk	38	32	\$340,504	32	\$494,088	33	\$657,398	35	\$528,127	34	\$580,234	26	\$644,236
Mekoryuk	39	37	\$605,287	35	\$501,398	35	\$533,846	32	\$528,656	32	\$580,892	30	\$622,330
Newtok	18	16	\$210,068	12	\$239,501	14	\$248,911	11	\$235,203	11	\$203,384	10	\$210,662
Nightmute	14	14	\$141,836	13	\$146,262	14	\$175,916	13	\$185,546	14	\$176,106	13	\$229,318
Nome	15	11	\$226,024	9	\$266,556	6	\$275,947	7	\$316,133	6	\$332,528	6	\$360,949
Quinhagak	18	15	\$225,921	15	\$260,142	14	\$281,005	13	\$308,699	13	\$385,016	13	\$488,181
St. George Island	11	10	\$179,918	9	\$206,544	11	\$277,576	10	\$302,461	10	\$306,458	9	\$240,048
St. Paul Island	25	17	\$588,794	18	\$618,041	18	\$662,461	15	\$548,704	16	\$659,299	14	\$840,177
Savoonga	24	18	\$410,298	21	\$356,710	18	\$145,616	19	\$96,289	15	\$158,390	15	\$183,998
Toksook Bay	55	43	\$656,064	43	\$760,807	42	\$783,800	39	\$871,473	38	\$982,106	44	\$889,182
Tununak	41	32	\$461,692	33	\$527,605	31	\$544,264	31	\$486,018	28	\$535,998	27	\$730,397
Unalaska***	14	10	\$587,309	10	\$637,759	9	\$573,024	8	\$529,401	8	\$673,391	9	\$804,988
Adak/Akutan/Atka/St. George	--	--	--	--	--	--	--	--	--	--	--	--	--
Hooper Bay/Quinhagak	36	29	\$493,376	30	\$456,965	31	\$514,947	28	\$562,894	27	\$674,329	26	\$753,577

** Note: Adak not included in the permit holder and wage data supplied.

**Note: Dutch Harbor supplied separately from Unalaska in this dataset; as a result, totals for permit holders and wages shown for Unalaska underrepresent the community total.

ND: Non-Disclosable

Source: Employment and wage data from Department of Labor, Research and Analysis Section (special data run by request of Northern Economics); annual ex-vessel gross revenues derived from Appendix C, Table 2-6b.

Appendix C: Supplemental Table 2

Annual Average Employment and Wage and Salary Income (non-fishing) of Area 4 Halibut Permit Holders and Comparison to Halibut Ex-Vessel Gross Revenues, All Community Resident-Owned Catcher Vessels, Alaska Area 4 Halibut Dependent Communities, 2008-2013

City of AKFIN Record (Area 4 Halibut Dependent Communities Only)	Total Unique Area 4 Halibut Permit Holders 2008- 2013	Annual Average 2008-2013		Annual Average 2008-2013	
		Number of Employed Halibut Permit Holders	Total Wage and Salary Income (non- fishing) of Employed Halibut Permit Holders	Average Ex- Vessel Gross Revenues from Area 4 Halibut, All Community Resident- Owned Vessels*	Percentage Comparison of Total (non- fishing) Wage and Salary Income of Halibut Permit Holders to Total Area 4 Halibut Ex-Vessel Gross Revenues
Adak**	--	--	--	ND	--
Akutan	8	6	\$137,433	ND	--
Atka	6	5	\$56,861	ND	--
Chefornak	36	30	\$558,201	\$68,678	12%
Dutch Harbor***	6	3	ND	ND	--
Hooper Bay	18	15	\$251,187	ND	--
Kipnuk	38	32	\$540,765	\$53,172	10%
Mekoryuk	39	34	\$562,068	\$373,619	66%
Newtok	18	12	\$224,622	\$28,125	13%
Nightmute	14	14	\$175,831	\$78,245	45%
Nome	15	8	\$296,356	\$308,517	104%
Quinhagak	18	14	\$324,827	ND	--
St. George Island	11	10	\$252,167	ND	--
St. Paul Island	25	16	\$652,913	\$2,863,583	439%
Savoonga	24	18	\$225,217	\$153,454	68%
Toksook Bay	55	42	\$823,906	\$406,472	49%
Tununak	41	30	\$547,662	\$82,666	15%
Unalaska***	14	9	\$634,312	\$1,654,855	261%
Adak/Akutan/Atka/St. George	--	--	--	\$867,574	--
Hooper Bay/Quinhagak	36	29	\$576,015	\$30,871	5%

*Note: These figures are Area 4 halibut total ex-vessel gross revenues for all community resident-owned catcher vessels. These include not only revenues that would accrue to permit holders, but also include revenues that would be used for vessel owner, skipper, and crew shares, plus revenues that would be used for vessel expenses.

** Note: Adak not included in the permit holder/wage and salary data supplied.

***Note: Dutch Harbor supplied separately from Unalaska in this dataset; as a result, totals for permit holders and wages shown for Unalaska underrepresent the community total.

ND: Non-Disclosable

Source: Employment and wage data from Department of Labor, Research and Analysis Section (special data run by request of Northern Economics); annual ex-vessel gross revenues derived from Appendix C, Table 2-6b.

Appendix C: Supplemental Table 3

Gain of Pounds of in Halibut Target Fishery by Alaska Halibut Dependent Community Per 100,000 Pound Increase in Area Halibut Harvest

Region	Area 4 Halibut Dependent Community	Area 4A		Area 4B		Area 4CDE	
		Distribution of Pounds Gained by Community for Each 100,000 Pound Increase in Area Halibut Harvest (from any source)	Number of Unique Vessels Active (at any time) 2008-2013	Distribution of Pounds Gained by Community for Each 100,000 Pound Increase in Area Halibut Harvest (from any source)	Number of Unique Vessels Active (at any time) 2008-2013	Distribution of Pounds Gained by Community for Each 100,000 Pound Increase in Area Halibut Harvest (from any source)	Number of Unique Vessels Active (at any time) 2008-2013
Northwest Alaska	Chefornak	-	-	-	-	432	42
	Hooper Bay/Quinhagak (aggregation)	-	-	-	-	166	39
	Kipnuk	-	-	-	-	304	41
	Mekoryuk	-	-	-	-	2,179	40
	Newtok	-	-	-	-	163	20
	Nightmute	-	-	-	-	420	14
	Nome	-	-	-	-	1,884	15
	Savoonga	-	-	-	-	855	23
	Toksook Bay	-	-	-	-	2,302	64
	Tununak	-	-	-	-	459	47
	All Other Communities in Region	-	-	-	-	188	35
	All Communities in Region	-	-	-	-	9,353	380
	Bristol Bay, Aleutians & Pribilofs	St. Paul	684	5	ND	1	16,915
Adak/Akutan/Atka/St. George (aggregation)		3,121	7	4,493	8	761	6
Unalaska & Dutch Harbor (plus ND Pounds from other rows)		12,019	20	3,387	5	ND	1
All Other Communities in Region (plus ND from the row above)		ND	1	ND	1	1,109	45
	All Communities in Region	15,823	33	7,880	15	18,785	72
Other Alaska	All Communities in Region	36,024	81	46,143	46	18,971	40
Other States	All Communities in Region	32,330	52	38,097	32	24,755	30
All Regions Combined	All Communities	100,000	199	100,000	108	100,000	974

Source: Developed by NE based on data from AKFIN (Fey 2014).