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

		2008		2009		2010		2011		2012		2013	
					Total		Total		Total		Total		Total
			Total Wage		Wage and		Wage and		Wage and		Wage and		Wage and
			and Salary		Salary		Salary		Salary		Salary		Salary
	Total		Income		Income		Income		Income		Income		Income
	Unique		(non-		(non-		(non-		(non-		(non-		(non-
		Number of	•	Number of	•	Number of	•	Number of	•	Number of		Number of	•
	Halibut	Employed	Employed		Employed	Employed	. ,	Employed	. ,	Employed	Employed	Employed	Employed
City of AKFIN Record	Permit	Halibut	Halibut	Halibut	Halibut	Halibut	Halibut	Halibut	Halibut	Halibut	Halibut	Halibut	Halibut
(Area 4 Halibut Dependent	Holders	Permit	Permit	Permit	Permit	Permit	Permit	Permit	Permit	Permit	Permit	Permit	Permit
Communities Only)	2008-2013	Holders	Holders	Holders	Holders	Holders	Holders	Holders	Holders	Holders	Holders	Holders	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	•	ND
Hooper Bay	18	14	\$267,455	15	\$196,823	17	/	15	,	14	,-		. ,
Kipnuk	38	32	\$340,504		\$494,088			35		34	/ -		
Mekoryuk	39	37	\$605,287	35	, ,			32			, ,		
Newtok	18	16			\$239,501	14		11			\$203,384		. ,
Nightmute	14	14	\$141,836	13	\$146,262	14		13			,		
Nome	15	11	\$226,024	9	\$266,556		Ψ=/0/0:/	7	\$316,133		Ψ00 =)0 = 0		7000/0
Quinhagak	18	15	\$225,921	15		14	, , , , , ,		\$308,699		1 /		. ,
St. George Island	11	10	. ,		\$206,544		,-		, ,	10	, ,		φ= .0,0 .0
St. Paul Island	25	17	\$588,794	18	,-	18		15		16	, ,		. ,
Savoonga	24	18	\$410,298	21	\$356,710		-,-			15	,,		. ,
Toksook Bay	55	43	\$656,064		\$760,807	42	,	39			, ,		, , -
Tununak	41	32	\$461,692	33	, , , , , , , ,		, ,	31	,,-	28	, ,		,,
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	 36		 \$402.276		 \$4E6 06E		CE14 047		CEG2 004	 27	 C674 220		 C7E3 E77
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.

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.

^{**}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

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

		Annual	Average	Annual Average			
		2008-2013			-2013		
		2008-2013		2000			
					Percentage		
					Comparison of		
					Total (non-		
			Total Wage		fishing) Wage		
			and Salary	Average Ex-	and Salary		
	Total Unique		Income (non-	Vessel Gross	Income of		
	Area 4	Number of	fishing) of	Revenues from	Halibut Permit		
	Halibut	Employed	Employed	Area 4 Halibut,	Holders to Total		
City of AKFIN Record	Permit	Halibut	Halibut	All Community	Area 4 Halibut		
(Area 4 Halibut Dependent	Holders 2008-	Permit	Permit	Resident-	Ex-Vessel Gross		
Communities Only)	2013	Holders	Holders	Owned Vessels*	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 <i>,</i> 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.

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.

^{**} 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

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

		Area 4A		Area	4B	Area 4CDE	
		Distribution		Distribution		Distribution	
		of Pounds		of Pounds		of Pounds	
		Gained by		Gained by		Gained by	
		Community		Community		Community	
		for Each		for Each		for Each	
		100,000		100,000		100,000	
		Pound	Number of	Pound	Number of	Pound	Number of
		Increase in	Unique	Increase in	Unique	Increase in	Unique
		Area Halibut	-	Area Halibut		Area Halibut	Vessels
		Harvest	Active (at	Harvest	Active (at	Harvest	Active (at
		(from any	any time)	(from any	any time)	(from any	any time)
Region	Area 4 Halibut Dependent Community	source)	2008-2013	source)	2008-2013	source)	2008-2013
•	Chefornak	-	-	-	-	432	42
Troncin Coch Habita	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	St. Paul	684	5	ND	1	16,915	20
& Pribilofs	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).