

Pollock Conservation Cooperative

and

High Seas Catchers' Cooperative

Final

Joint Annual Report 2008

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Pollock Conservation Cooperative Annual Report

Introduction

In 1998 the owners of the catcher-processors and catcher-vessels that deliver to catcher-processors in the Bering Sea and Aleutian Islands (BSAI) pollock fishery jointly formed fishing cooperatives to coordinate pollock harvesting efforts. The cooperative for the catcher-processor owners is the Pollock Conservation Cooperative (PCC), and for catcher-vessels it is the High Seas Catchers' Cooperative (HSCC). An agreement called the "Cooperative Agreement Between Offshore Pollock Catchers' Cooperative and Pollock Conservation Cooperative" was developed to facilitate efficient harvest management and accurate harvest accounting between the PCC and the HSCC.

Purpose of Report

This report is intended to disclose all information required or identified in the American Fisheries Act (AFA), in the North Pacific Fishery Management Council (NPFMC) October 1999 recommendation to the U.S. Secretary of Commerce, and in further guidance provided by the NPFMC in letters dated October 21, 1999 and November 1, 1999. The tables and figures in this report are largely self-explanatory, although some notes have been included to provide detail. The catch data in this report was provided by SeaState, Inc., and was obtained from the National Marine Fisheries Service (NMFS) North Pacific Groundfish Observer Program.¹

Reporting Requirements

Fishing cooperatives formed under the AFA are subject to certain annual reporting requirements. Section 210(a)(1)(B) of the AFA requires the North Pacific Fisheries Management Council and the US Secretary of Commerce to "make available to the public in such manner as the North Pacific Council and Secretary deem appropriate information about the harvest by vessels under a fishery cooperative of all species (including bycatch) in the directed pollock fishery on a vessel-by-vessel basis." In doing so, however, the NPFMC and Secretary must take into account "the interest of the parties to [a fishing cooperative] in protecting the confidentiality of proprietary information."

In October 1999, the NPFMC took action to implement section 210(a)(1)(B) of the AFA by recommending that cooperatives annually prepare a report (a preliminary report is due by December 1, and a final report by January 31) containing: (1) allowed catch and bycatch of pollock and all sideboard species by whatever method is used to determine those allocations; (2) actual catch and bycatch in the directed pollock fishery by vessel, and in sideboard fisheries by whatever method is used to determine those

¹. The NMFS catch database for the 2008 fishing year is still subject to revision as catch data and other information from the fishery is finalized. To the extent that information in this report is based on NMFS data, it is still subject to revision. At this point, however, neither the PCC nor the HSCC are aware of any data discrepancies that would materially alter the substantive elements of this report.

sideboards; (3) methods used to monitor fisheries in which cooperative vessels participated; and (4) actions taken by cooperatives to enforce vessel or aggregate catches that exceed allowed catch and bycatch in the pollock and sideboard fisheries.

Pollock Conservation Cooperative Members and Allocations

The Pollock Conservation Cooperative was formed in December 1998 in order to promote the rational and orderly harvest of pollock by the catcher-processor sector of the BSAI pollock trawl fisheries. The PCC is made up of the companies that operate 19 catcher-processors eligible under section 208(e)(1)-(20) of the AFA to harvest and process pollock in the BSAI directed pollock fishery. In September 2005 the PCC companies adopted an amended and restated membership agreement. In 2008, the membership agreement was amended to reflect a change in ownership of the F/T Highland Light, which was purchased by HLTA LLC, a wholly owned subsidiary of the American Seafoods Company, and of the F/T Alaska Ocean, which was purchased by Glacier Fish Company. According to the PCC harvest schedule, each company is allocated a percentage of the directed fishery specified under Section 206(b) of the AFA. The percentage of the catcher-processor directed pollock fishery allocated to each PCC member company by the amended membership agreement is shown below.²

	January Directed Pollock Fishery (%)	September Directed Pollock Fishery (%)	PCC Share (%)
Starbound Ltd. Partnership	1.585	1.585	4.33
Highland Light Seafoods, L.L.C.	1.764	0.000	0.00
Arctic Fjord, Inc.	1.792	1.792	4.90
Arctic Storm, Inc.	1.841	1.841	5.03
Alaska Ocean Seafood, L.P.	3.004	0.000	0.00
Glacier Fish Company, L.L.C.	3.218	6.222	17.00
Trident Seafoods Corporation	6.824	6.824	18.64
American Seafoods Company	16.572	18.336	50.10
Total	36.600	36.600	100.00

² Under sections 205(4) (definitions) and 206 (allocations) of the AFA, the BSAI directed pollock fishery (DPF) is the amount of the total allowable catch remaining after 10 percent has been deducted for the western Alaska Community Development Quota program and an additional amount has been deducted for the incidental catch of pollock in other groundfish fisheries. Section 206(b)(2) of the American Fisheries Act allocates a total of 40 percent of the DPF to catcher-processors and the catcher vessels that deliver to catcher-processors, and section 210(c) allocates 8.5 percent of this amount (3.4 percent of the DPF) to catcher vessels that deliver to catcher processors. Subsequently, the AFA was amended by the Consolidated Appropriations Act of 2004, which reallocated the AI DPF to the Aleut Corporation for the purpose of economic development of Adak, Alaska.

Inter-Cooperative Agreement Between PCC and HSCC

On January 21, 1999, the PCC and HSCC completed an agreement to facilitate efficient management and accurate accounting between the two cooperatives. The agreement, “Cooperative Agreement Between Offshore Pollock Catchers’ Cooperative and Pollock Conservation Cooperative” remains in force, has not been changed, and is available upon request from the NPFMC. Under the Cooperative Agreement, the PCC and HSCC established a Joint Harvest Schedule and agreed to retain the same independent quota monitoring service. The Cooperative Agreement governs the harvest and processing of the HSCC members’ share of the BSAI directed pollock fishery and the transfer of pollock allocations between members of the two cooperatives.

Participation in BSAI Sideboard Fisheries

Twelve PCC vessels participated in the BSAI directed fisheries for Pacific cod and yellowfin sole in 2008. The groundfish catches and PSC bycatch in these fisheries is shown in Tables 3 and 4. Catch rates are provided in these tables to assess target catch and PSC bycatch per ton of total groundfish catch. So for example, on average 3.22 *bairdi* crab were caught per ton of groundfish in the yellowfin sole directed fishery, and yellowfin sole catches were on average 74 percent of the total groundfish catch. PCC sideboard limits and catches of sideboard-limited species are shown in Table 5. Table 6 shows catches of all non-pollock groundfish and PSC species by species category and vessel from all PCC directed fisheries (pollock, Pacific cod, and yellowfin sole).

Pollock Fishery Discards Detail

Groundfish bycatch amounts in the pollock target fishery are reported in Table 2 as by-vessel and total amounts of other (non-pollock) groundfish.³ These groundfish bycatch amounts include all of the species included on the Bering Sea and Aleutian Islands “TAC sheet.” In contrast to groundfish bycatch, groundfish discards include all groundfish catches, including pollock, from which no edible, saleable product can be produced. An estimate of the total groundfish discard amounts is provided as a footnote to Table 2. Table 7 provides additional pollock-fishery bycatch and discards detail, including in particular the bycatch and discard of forage and non-specified species. In general, the non-specified species category includes species that occur infrequently in the BSAI, or have little or no economic value, and so are neither targeted by the commercial fisheries nor managed by the National Marine Fisheries Service. In 2008, jellyfish comprised just over 98 percent of PCC non-specified species bycatch and discards in the directed pollock fishery.

³. The use here of the term bycatch differs from the definition contained in the Magnuson-Stevens Fishery Conservation and Management Act. In the MS FCMA, bycatch is defined as discarded fish.

Inter-Cooperative Agreement on Salmon Bycatch Avoidance

In 2008, all BSAI pollock cooperatives voluntarily participated in an inter-cooperative salmon bycatch avoidance (hot-spot closure) program. The PCC began participating in the program in 2001, and since then has worked to improve the program. Inter-Cooperative representatives reported on the results of the hot-spot closures and the development of new, vessel-level incentive programs to avoid salmon bycatch at the June and October NPFMC meetings. A new A-season closure area was added to the program for 2008 (Chinook Conservation Area). This area covers a portion of the Bering Canyon, and remains closed to all pollock fishing for the entire A-season. The area was selected based on an analysis of A-season fishery data from 1995-2007, and in recent years, the area included nearly 20 percent of Chinook salmon bycatches but only 2-3 percent of pollock catches.

An analysis of the number of salmon avoided by the program was presented at the February 2009 NPFMC meeting. This analysis reported that during the 2008 pollock A-season there were 23 closures in addition to the Chinook Conservation Area closure. Of these there were 17 for which post-closure observer data was available from vessels fishing inside the areas just prior to the closures (i.e., bycatch from these vessels motivated the area closures). Examination of this data showed that for the approximately 45,000 tons of observed post-closure groundfish catches associated with boats that fished inside areas just before they were closed, there was a bycatch of 1,461 Chinook while an estimated 4,953 Chinook were avoided. This represented a reduction of 77 percent from the bycatch that would have been expected (6,414 Chinook salmon) had the vessels continued to fish in the closed areas.

For the 2008 B-season, 29 closures were put in place, and for 18 of these combination Chinook and chum salmon area closures both pre- and post-closure observer data was available for analysis. Examination of these data showed that for these 18 Chinook and chum closures, 7,419 tons of post-closure pollock catch could be tracked from vessels with salmon bycatch that motivated the closures. For this pollock catch, Chinook bycatch was 1,068 fish compared to an expected bycatch of 535 Chinook had these vessels continued to fish in the areas that were closed. As such, savings were estimated at negative 533 salmon and so the 2008 B-season closures may not have been completely effective at reducing Chinook bycatch. However, overall Chinook salmon bycatch during the B-season was exceedingly low (e.g., see Table 2). For these same post-closure pollock catches, chum savings were estimated at 965 fish from an expected chum bycatch of 1,400 had vessels continued to fish in the areas that were closed. Here the estimated fraction of chum salmon bycatch avoided was 69 percent. As for Chinook, chum salmon bycatch during the 2008 B-season was very low. PCC vessel appearances on the 2008 "Dirty-20" lists for Chinook and Other Salmon (chum) are shown in Table 8.

Monitoring and Enforcement

All data used in monitoring pollock and non-pollock fishing activities was obtained from the North Pacific Groundfish Observer Program office. Information concerning the catch and bycatch of individual vessels is available from a NMFS data server 24 hours a day, and is generally accessible 20 minutes after transmission from the vessels. SeaState, Inc., a company that provides catch accounting services, is authorized by the PCC companies to receive and process this data and report on the status of the harvest. Observer data are downloaded one or two times per day, processed to generate catch and bycatch information, and then sent to a SeaState web site where company representatives verify the catch data for their vessel(s).

Aboard each vessel, the catch is weighed using motion-compensated flow scales. The species composition of the catch is determined from observer sampling. Since two observers are required on AFA-eligible catcher-processors in the groundfish fisheries, the number of unsampled hauls is very low. In 2008, more than 99 percent of pollock hauls were sampled. For those hauls that were not sampled, species composition was determined as per Community Development Quota program regulations, where species composition for an unsampled haul is presumed to be the same as the previous haul. Once the catch and species composition is posted on the SeaState web site, it is available for review by vessel owners. Typically, either an operations manager or vessel operator checks into the site each day to make sure vessel harvest amounts are consistent with vessel tallies.

Companies with several vessels often set initial vessel allocations, and then manage vessel harvests independently until late in the season. Typically, inter- and intra-company transfers occur near the end of the season to ensure quota usage. No enforcement actions were taken by the PCC against any members during 2008.

High Seas Catchers' Cooperative Annual Report

Introduction

The High Seas Catchers Coop is a fisheries cooperative of all vessels eligible under section 208(b) of the American Fisheries Act. The HSCC is party to an inter-cooperative agreement with the PCC for purposes of pollock harvest management, and a participant in a catcher-vessel inter-cooperative agreement for purposes of sideboard species harvest management.

Cooperative Members and Allocations

The member vessels of HSCC include the F/Vs American Challenger, Forum Star, Muir Milach, Neahkahnie, Ocean Harvester, Sea Storm, and Tracy Anne. The HSCC Membership agreement is on file at the NPFMC. The membership agreement was amended in 2008 to reflect a change in ownership of the FV Tracy Anne, which was purchased by HLTA LLC, a wholly owned subsidiary of the American Seafoods Company.

Allocations of pollock to members of HSCC were established within the HSCC membership agreement, as well as within the Cooperative Agreement with the PCC. Allocations of the BSAI Pacific cod sideboard amounts available for 2008, and further sub-divided in the "Intercoop BSAI Cod Sideboard Allocation Agreement," were made by the HSCC Board of Directors through a roll over of the "Consent of Directors" document included as an appendix to the HSCC 2000 Annual Report. Other sideboard species were allocated by action of the HSCC Board of Directors. Prior to participation in any sideboard fishery, members were required to provide notice to the HSCC Executive Director, and-or the Manager of the Catcher Vessel Inter-Cooperative Agreement (CVICA). There is additional information about the flow of information between the vessels, the HSCC, SeaState, the CVICA Manager, and NMFS in the Catcher Vessel Inter-Cooperative Agreement.

The 2008 distribution in metric tons of the 206(b)(2) allocation of the directed pollock fishery to catcher-processors and catcher vessels, including releases from the pollock incidental catch allowance and the Aleutian Islands fishery, is as follows:

Forum Star	2,120
American Challenger	2,735
Ocean Harvester	3,756
Muir Milach	3,941
Tracy Anne	4,032
Neahkahnie	5,801
Sea Storm	7,144
Total	<hr/> 29,529

Inter-Cooperative Agreement Between HSCC and PCC

The members of PCC and HSCC are allocated pollock under section 206(b)(2) of the AFA. As noted, HSCC is a party to the “Cooperative Agreement Between Offshore Pollock Catchers’ Cooperative and Pollock Conservation Cooperative” for purposes of pollock management, and this agreement is on file at the NPFMC.

Catcher Vessel Inter-Cooperative Agreement

HSCC is also a party to the Catcher Vessel Inter-Cooperative Agreement (CVICA) for purposes of groundfish sideboard harvest management. Compliance with both agreements is based upon monitoring of catch and bycatch by SeaState, Inc. A copy of the CVICA is on file at the NPFMC. Information concerning CVICA allocations and rules as well as inter-cooperative transfer arrangements is contained in an annual report submitted to the NPFMC by the CVICA Manager. Among other things, the CVICA contains specific provisions on management of halibut prohibited-species catches (PSC) in the BSAI Pacific cod fishery. Detailed PSC use by HSCC vessels is provided in Tables 2 and 9.

Bering Sea Pollock Transfers and Directed Pollock Fishing

Based upon the January 1999 “Cooperative Agreement Between Offshore Pollock Catchers’ Cooperative and Pollock Conservation Cooperative,” individual members of HSCC have made transfers of pollock to individual members of PCC. These transfers are reported in Table 1 while catch and bycatch information for the directed Bering Sea pollock fishery is provided in Table 2.

Participation in BSAI Shellfish Fisheries

The BSAI crab rationalization program was implemented in August 2005. As part of that program, the American Fisheries Act crab sideboards were eliminated. The HSCC vessel Forum Star leased all of its scallop catch history and so did not catch any scallops in 2008.

Participation in BSAI Sideboard Fisheries

One HSCC exempt vessel and three non-exempt vessels participated in the directed Pacific cod fishery in 2008 and caught a total of 3,212 metric tons of cod (Table 9). Catch rates are provided in these tables to assess target catch and PSC usage.

Participation in Gulf of Alaska Sideboard Fisheries

No HSCC vessels participated in the Gulf of Alaska fisheries in 2008.

Sideboard Harvest Limits

The NMFS publishes in the Federal Register the sideboard limits for all AFA catcher vessels as well as a set of information tables which provide historic catches of sideboard species by cooperative for those species for which directed fishing is allowed (e.g., see: www.fakr.noaa.gov/sustainablefisheries/afa/afa_sf.htm). The regulations allow two or more cooperatives to enter into an inter-cooperative agreement where member catches are limited by their combined aggregate sideboard caps. Table 10 provides the initial sideboard limits, the adjusted sideboard limits for HSCC vessels based on transfers, and the actual harvest of sideboard species by HSCC vessels. There were no HSCC-member overages in any sideboard-limited fisheries.

Monitoring and Enforcement

All data used in monitoring HSCC pollock and non-pollock fishing for delivery to offshore processors was obtained from the NMFS observer program office. Information is available on the NMFS password-protected web site 24 hours a day, and is generally accessible 20 minutes after transmission from the vessel. Sea State, Inc. is authorized by the HSCC and its members to receive and process this observer data and report back to the members on the status of the harvest. The process is identical to that described above under PCC Monitoring and Enforcement.

For deliveries to shore-side processors, each company submitted copies of its Alaska Department of Fish & Game (ADF&G) fish tickets to SeaState, Inc. for tabulation through the NMFS Electronic Fish Ticket Program. In addition, HSCC member companies provided confidentiality waiver requests to ADF&G for release of the data directly to SeaState so to verify the completeness and accuracy of data submitted by HSCC members. This information was then made available to all HSCC members on the SeaState web site. Total groundfish catches by all HSCC vessels are shown for the BSAI area in Table 11.

Penalty Structures within the HSCC and Between Cooperatives

The Cooperative Agreement between HSCC and PCC provides for inter-cooperative enforcement of penalties in the event of over-harvest of pollock. The CVICA also contains penalty provisions for over-harvest of sideboard species. No enforcement actions were taken by HSCC in either pollock or sideboard fisheries, as members complied with the provisions of the membership agreement.

Table 1. PCC and HSCC Pollock Allocations and Catch.

2008	Company	Vessel	Cooperative Shares (mt)			Catch (mt)		
			Harvest Schedule	Transfers	Allocation	Vessel	Company Total	Over (under) Allocation
PCC	Alaska Ocean Seafood							
		Alaska Ocean	10,333	-	10,333	10,333	10,333	0
	American Seafoods Company		149,784	1,944	151,728		151,725	(4)
		American Dynasty				9,648		
		American Triumph				28,043		
		Highland Light				8,319		
		Northern Eagle				27,435		
		Northern Hawk				27,368		
		Northern Jaeger				26,147		
		Ocean Rover				24,766		
	Arctic Fjord	Arctic Fjord	15,531	5,756	21,286	21,287	21,287	0
	Arctic Storm	Arctic Storm	15,955	7,086	23,042	23,034	23,034	(8)
	Glacier Fish Company		43,587	141	43,728		43,727	(1)
		Alaska Ocean				25,476		
		Northern Glacier				13,773		
		Pacific Glacier				4,477		
	Highland Light	Highland Light	9,116	5,085	14,200	14,200	14,200	(0)
	Starbound Ltd.	Starbound	13,736	7,948	21,683	21,657	21,657	(26)
	Trident Seafoods Corporation		59,137	103	59,240		59,101	(139)
		Island Enterprise				18,573		
	Kodiak Enterprise				23,687			
	Seattle Enterprise				16,841			
HSCC		Forum Star	2,120	(2,120)	0		0	
		American Challenger	2,735	(2,735)	0		0	
		Ocean Harvester	3,756	(3,756)	0		0	
		Tracy Anne	4,032	(4,032)	0		0	
		Neahkanie	5,801	(5,801)	0		0	
		Sea Storm	7,144	(7,144)	0		0	
		Muir Milach	3,941	(2,474)	1,467	1,467	1,467	
	Total	346,708	0	346,708	346,530	346,530	(178)	

Table 2. PCC and HSCC Pollock Directed-Fishing Catch and Bycatch.

2008	Vessel	Pollock (mt)	Other Groundfish (mt)	Halibut Mortality (mt)	Herring (mt)	Red King Crab (N)	Bairdi Crab (N)	Opilio Crab (N)	Chinook Salmon A (N)	Chinook Salmon B (N)	Other Salmon A (N)	Other Salmon B (N)
PCC	Alaska Ocean	35,809	1,023	18	9	3	45	93	377	8	19	114
	American Dynasty	9,648	345	8	0	0	1	12	221	0	0	0
	American Triumph	28,043	556	14	4	0	0	27	452	9	26	64
	Northern Eagle	27,435	655	11	10	0	12	64	142	75	13	166
	Northern Hawk	27,368	556	12	7	0	18	24	452	20	11	172
	Northern Jaeger	26,147	1,161	19	0	0	41	70	95	46	25	153
	Ocean Rover	24,766	872	8	2	0	20	28	506	17	26	144
	Arctic Fjord	21,287	508	13	0	0	38	108	292	18	12	31
	Arctic Storm	23,034	597	8	0	12	32	329	150	9	10	46
	Northern Glacier	13,773	420	6	7	4	106	1,052	61	48	19	114
	Pacific Glacier	4,477	208	5	0	0	3	5	44	0	0	100
	Highland Light	22,519	352	5	4	0	5	20	178	8	0	0
	Starbound	21,657	532	10	2	0	27	100	155	12	12	66
	Island Enterprise	18,573	205	1	4	0	16	413	420	30	9	11
	Kodiak Enterprise	23,687	456	6	6	0	35	432	280	3	28	78
Seattle Enterprise	16,841	475	5	10	0	6	41	252	78	22	86	
HSCC	Forum Star	0	0	0	0	0	0	0	0	0	0	0
	American Challenger	0	0	0	0	0	0	0	0	0	0	0
	Ocean Harvester	0	0	0	0	0	0	0	0	0	0	0
	Tracy Anne	0	0	0	0	0	0	0	0	0	0	0
	Neahkanie	0	0	0	0	0	0	0	0	0	0	0
	Sea Storm	0	0	0	0	0	0	0	0	0	0	0
	Muir Milach	1,467	36	0	0	0	0	8	0	0	17	78
	Total	346,530	8,956	151	65	19	405	2,827	4,077	381	249	1,423

* Of the 355,486 tons of total groundfish catch (pollock and other non-pollock groundfish), only 2,967 tons were discarded. Thus, 99.2 percent of all groundfish harvested by PCC vessels in the directed-pollock fishery was retained and used to make a marketable product.

Table 3. PCC Pacific Cod Directed-Fishing Catch and Bycatch.

Vessel	Pacific Cod (mt)	Total Groundfish (mt)	Halibut Mortality (mt)	Herring (mt)	Red King Crab (N)	Bairdi Crab (N)	Opilio Crab (N)	Chinook Salmon (N)	Other Salmon (N)
Katie Ann	1,273	1,317	2	0	60	324	0	352	1
Catch Rate	0.966	1.000	0.001	0.000	0.046	0.246	0.000	0.267	0.001

Table 4. PCC Yellowfin Sole Directed-Fishing Catch and Bycatch.

Vessel	Yellowfin Sole (mt)	Total Groundfish (mt)	Halibut Mortality (mt)	Herring (mt)	Red King Crab (N)	Bairdi Crab (N)	Opilio Crab (N)	Chinook Salmon (N)	Other Salmon (N)
American Dynasty	1,311	1,907	18	0	91	1,524	762	0	0
American Triumph	944	1,119	3	0	167	392	401	0	0
Arctic Fjord	1,079	1,476	10	0	0	4,375	2,959	0	0
Arctic Storm	1,477	1,786	15	0	0	275	148	0	0
Island Enterprise	874	1,051	9	0	168	3,560	3,644	0	0
Katie Ann	1,156	1,487	5	0	505	1,976	292	0	0
Northern Eagle	1,824	2,900	13	0	122	24,154	10,600	0	0
Northern Glacier	1,292	1,679	7	0	190	12,502	49,546	0	0
Northern Hawk	1,488	1,920	12	0	488	1,120	227	0	0
Northern Jaeger	2,949	4,308	19	0	1,013	15,034	5,784	0	0
Ocean Rover	1,487	1,909	9	0	466	2,626	2,459	0	0
Seattle Enterprise	1,198	1,506	9	0	213	6,741	5,399	0	0
2008 Total	17,080	23,049	129	0	3,423	74,279	82,221	0	0
Catch Rate	0.741	1.000	0.006	0.000	0.149	3.223	3.567	0.000	0.000

Table 5. PCC Sideboard Limits and Catches of Sideboard Species.

Species	2008 Catch	2008 Limit	Over (Under) Limits
Sablefish - BS (mt)	0	19	(19)
Atka Mackerel - BS + EAI (mt)	0	n.a.	
Atka Mackerel - Central (mt)	0	2,496	(2,496)
Atka Mackerel - Western (mt)	0	3,018	(3,018)
Yellowfin Sole (mt)	17,427	n.a.	
Rock sole (mt)	3,225	2,478	747
Greenland Turbot - BS (mt)	46	10	36
Greenland Turbot - AI (mt)	0	3	(3)
Arrowtooth flounder (mt)	460	128	332
Flathead Sole (mt)	2,465	1,607	858
Other flatfish (mt)	136	1,065	(929)
Alaska plaice (mt)	1,793	43	1,750
Pacific Ocean Perch - BS (mt)	159	7	152
Pacific Ocean Perch - EAI (mt)	2	88	(86)
Pacific Ocean Perch - CAI (mt)	0	4	(4)
Pacific Ocean Perch - WAI (mt)	0	27	(27)
Northern rockfish (mt)	10	53	(43)
Shortraker rockfish (mt)	8	7	1
Rougheye rockfish (mt)	2	3	(1)
Other Rockfish - BS (mt)	4	11	(7)
Other Rockfish - AI (mt)	0	13	(13)
Squid (mt)	169	37	132
Other Species (mt)	2,065	340	1,725
Halibut Mortality (mt)	281	286	(5)
Herring (mt)	64	n.a.	
Chinook (N)	4,810	n.a.	
Other Salmon (N)	1,540	n.a.	
Red King Crab - Zone 1 (N)	3,502	1,231	2,271
Other Tanner crab - COBLZ (N)	56,358	594,336	(537,978)
Bairdi zone 1 (N)	15,418	122,520	(107,102)
Bairdi zone 2 (N)	58,438	132,611	(74,173)

Table 6. PCC Catches of Non-Pollock Groundfish by Vessel.

Vessel	Pacific Cod (mt)	Atka Mackerel BS (mt)	Atka Mackerel AI (mt)	Yellowfin Sole (mt)	Alaska Plaice (mt)	Arrowtooth Flounder (mt)	Other Flatfish (mt)	Rock Sole (mt)
Alaska Ocean	355	0	0	5	1	52	52	96
American Dynasty	148	0	0	1,318	52	12	9	431
American Triumph	186	0	0	961	16	42	9	137
Arctic Fjord	242	0	0	1,081	166	27	4	132
Arctic Storm	250	0	0	1,491	107	18	2	193
Highland Light	115	0	0	2	1	14	3	78
Island Enterprise	95	0	0	876	51	19	1	58
Katie Anne	1,303	0	0	1,157	55	6	2	103
Kodiak Enterprise	139	0	0	5	1	18	2	67
Northern Eagle	269	0	0	1,858	399	41	8	375
Northern Glacier	224	0	0	1,317	222	24	3	93
Northern Hawk	224	0	0	1,488	64	37	12	290
Northern Jaeger	473	0	0	3,053	417	83	13	560
Ocean Rover	367	0	0	1,594	119	27	9	315
Pacific Glacier	69	0	0	0	0	7	1	22
Seattle Enterprise	108	0	0	1,207	119	16	5	183
Starbound	196	0	0	14	1	17	2	93
2008 Total	4,763	0	0	17,427	1,793	460	136	3,225

Table 6. PCC Catches of Non-Pollock Groundfish by Vessel (continued).

Vessel	Flathead Sole (mt)	Squid (mt)	Other Species (mt)	Other Rockfish BS (mt)	Other Rockfish AI (mt)	Pacific Ocean Perch BS (mt)	Pacific Ocean Perch AI (mt)
Alaska Ocean	265	27	155	0	0	4	0
American Dynasty	119	6	118	0	0	0	0
American Triumph	145	35	127	1	0	1	0
Arctic Fjord	98	1	139	0	0	0	0
Arctic Storm	87	4	114	0	0	38	0
Highland Light	80	5	53	0	0	0	0
Island Enterprise	84	20	62	0	0	1	0
Katie Anne	57	0	55	0	0	0	2
Kodiak Enterprise	151	5	66	1	0	1	0
Northern Eagle	222	1	224	0	0	1	0
Northern Glacier	100	0	148	0	0	2	0
Northern Hawk	169	31	154	1	0	0	0
Northern Jaeger	357	2	255	0	0	1	0
Ocean Rover	217	27	142	0	0	0	0
Pacific Glacier	52	0	56	0	0	0	0
Seattle Enterprise	149	3	103	0	0	107	0
Starbound	113	1	94	0	0	0	0
2008 Total	2,465	169	2,065	4	0	159	2

Table 6. PCC Catches of Non-Pollock Groundfish by Vessel (continued).

Vessel	Northern Rockfish (mt)	Shorthead Rockfish (mt)	Rougheye Rockfish (mt)	Shorthead /Rougheye (mt)	Turbot BS (mt)	Turbot AI (mt)	Sablefish BS (mt)	Sablefish AI (mt)
Alaska Ocean	0	2	2	2	7	0	0	0
American Dynasty	0	0	0	0	0	0	0	0
American Triumph	0	4	0	0	4	0	0	0
Arctic Fjord	0	0	0	0	1	0	0	0
Arctic Storm	0	0	0	0	2	0	0	0
Highland Light	0	0	0	0	2	0	0	0
Island Enterprise	1	0	0	0	2	0	0	0
Katie Anne	3	0	0	0	0	0	0	0
Kodiak Enterprise	0	0	0	0	2	0	0	0
Northern Eagle	0	0	0	0	7	0	0	0
Northern Glacier	3	0	0	0	2	0	0	0
Northern Hawk	0	1	0	0	8	0	0	0
Northern Jaeger	0	0	0	0	5	0	0	0
Ocean Rover	0	0	0	0	2	0	0	0
Pacific Glacier	0	0	0	0	0	0	0	0
Seattle Enterprise	0	0	0	0	2	0	0	0
Starbound	2	0	0	0	1	0	0	0
2008 Total	10	8	2	2	46	0	0	0

Table 6. PCC Catches of Non-Pollock Groundfish by Vessel (continued).

Vessel	Halibut Mortality (mt)	Herring (mt)	Red King Crab (N)	Zone 1 Bairdi Crab (N)	Zone 2 Bairdi Crab (N)	Other Tanner Crab (COBLZ-N)	Chinook Salmon (N)	Other Salmon (N)
Alaska Ocean	18	9	3	0	22	93	385	133
American Dynasty	25	0	91	644	881	0	221	0
American Triumph	16	4	167	377	15	65	461	90
Arctic Fjord	23	0	0	23	4,390	1,574	310	43
Arctic Storm	23	0	12	10	297	363	159	56
Highland Light	5	4	0	0	5	20	186	78
Island Enterprise	10	4	168	704	2,141	1,374	450	106
Katie Anne	7	0	565	1,959	17	0	352	1
Kodiak Enterprise	6	6	0	16	19	432	283	108
Northern Eagle	24	10	122	6,538	17,628	1,857	217	179
Northern Glacier	13	7	194	62	12,488	45,923	109	100
Northern Hawk	25	7	488	997	126	24	472	183
Northern Jaeger	38	0	1,013	923	14,153	1,605	141	178
Ocean Rover	18	2	466	1,532	1,114	119	523	170
Pacific Glacier	5	0	0	0	3	0	44	0
Seattle Enterprise	14	10	213	1,626	5,121	2,815	330	95
Starbound	10	2	0	8	19	94	167	19
2008 Total	281	64	3,502	15,418	58,438	56,358	4,810	1,540

Table 7. PCC Pollock-Fishery Discards.

Species Category	2008 Discard Amount (mt)		Year	Groundfish Bycatch Rate ** (mt/mt)	Groundfish Discard Rate *** (mt/mt)
Pollock	218				
Other Roundfish	235				
Squid	54		1999	0.010	—
Skates	667		2000	0.016	0.006
Flatfish	1,777		2001	0.011	0.006
Sharks	16		2002	0.011	0.004
	-----		2003	0.010	0.004
Total Groundfish	2,967		2004	0.012	0.005
			2005	0.005	0.006
Forage	0		2006	0.007	0.004
Non-specified Species	1,310		2007	0.007	0.005
	-----		2008	0.025	0.008
Total Discards *	4,278				

* Does not include the prohibited species amounts listed in Table 2. By regulation, all prohibited crab species and halibut must be discarded while salmon may be discarded or donated to food banks.

** Groundfish bycatch rate is the ratio of groundfish bycatch to total groundfish catch.

*** Groundfish discard rate is the ratio of groundfish discards to total groundfish catch.

Table 8. PCC Vessels on the Dirty-20 Lists.

2008 Vessel	Chinook A (weeks)	Chinook B (weeks)	Other Salmon (Chum) B (weeks)
Alaska Ocean	2	0	0
American Dynasty	1	0	0
American Triumph	5	0	0
Northern Eagle	0	0	2
Northern Hawk	6	0	1
Northern Jaeger	1	0	0
Ocean Rover	5	0	1
Arctic Fjord	2	0	0
Arctic Storm	0	0	0
Northern Glacier	1	1	2
Pacific Glacier	0	0	0
Highland Light	3	0	0
Starbound	2	0	0
Island Enterprise	3	0	2
Kodiak Enterprise	1	0	1
Seattle Enterprise	1	1	1

Table 9. HSCC BSAI Pacific Cod Directed-Fishing Catch and Bycatch.

Vessel	Pacific Cod (mt)	Total Groundfish (mt)	Halibut Mortality (mt)	Red King Crab (N)	Bairdi Crab (N)	Opilio Crab (N)	Herring (mt)	Chinook Salmon (N)	Other Salmon (N)
Ocean Harvester	356	451	5	73	749	433	0	0	0
Sea Storm	622	926	20	37	772	554	0	48	0
Muir Milach	1,230	1,260	1	0	1	4	0	79	4
Forum Star	1,004	1,285	0	0	0	0	0	23	0
2008 Total	3,212	3,921	26	110	1,521	990	0	150	4
Catch Rate	0.819	1.000	0.007	0.028	0.388	0.253	0.000	0.038	0.001

Table 10. HSCC Sideboard Limits and Catches of Sideboard Species.

Area/Species	Initial Sideboard Allocation (mt)	Sideboard Cap Transfers (mt)	Final Sideboard Allocation (mt)	2008 Harvest (mt)	Over (Under) Limit (mt)
BSAI Pacific Cod (non-exempt)	2,854	295	3,149	2,214	(935)
BSAI Pacific Cod (exempt)			none	1,004	
BSAI Yellowfin Sole	257		257	1	(256)
BSAI Rock Sole	395		395	101	(294)
EGOA Pacific Cod	2		2	0	(2)
CGOA Pacific Cod (Inshore + Offshore)	129		129	0	(129)
WGOA Pacific Cod (Inshore + Offshore)	247		247	0	(247)
CGOA Pollock	182		182	0	(182)
WGOA Pollock	33		33	0	(33)

Table 11. HSCC Catches of BSAI Groundfish.

Species	2008 Catch
Alaska Plaice (mt)	0
Arrowtooth Flounder (mt)	31
Flathead Sole (mt)	66
Atka Mackerel - BS + EAI (mt)	0
Northern Rockfish (mt)	11
Other Flatfish (mt)	15
Other Rockfish (mt)	1
Other Species (mt)	90
Pacific Cod (mt)	3,217
Pollock BS (mt)	1,885
Pollock AI (mt)	3
Pacific Ocean Perch BS (mt)	0
Pacific Ocean Perch AI (mt)	0
Rock Sole (mt)	101
Rougheyeye Rockfish (mt)	0
Greenland Turbot (mt)	1
Yellowfin Sole (mt)	1