

Report of
the Akutan
Catcher
Vessel
Association

2019

**Presented to the
North Pacific Fishery Management Council
March 26, 2020**

Table of Contents

- 1. Akutan Catcher Vessel Association (Pg. 3)**
 - A. Cooperative Membership
 - B. Coop Management
 - C. In-Season Management
- 2. AFA Pollock (Pg. 5)**
 - A. Cooperative Pollock Allocation
 - B. Vessel Allocations and Harvest
- 3. BSAI Sideboards (Pg. 9)**
 - A. BSAI Cod Sideboard Allocations
 - B. Cod Sideboard Transfers
 - C. Vessel Cod and PSC Harvest
 - D. Total Harvest – All BSAI Sideboard Species
- 4. Bering Sea Salmon Bycatch Management (Pg. 16)**
- 5. Gulf of Alaska Sideboards (Pg. 18)**
 - A. GOA Sideboard Allocations
 - B. GOA Sideboard Harvest

Report Prepared By:
Sea State Inc. and Brian Parsons
for the Akutan Catcher Vessel Association
brianparsons@tridentseafoods.com

1. Akutan Catcher Vessel Association

A. Cooperative Membership

Thirty-four member vessels made up the Akutan Catcher Vessel Association (ACVA) for the year 2019. The table below shows the ACVA member vessels and their associated coop percentages. As in the past, coop percentages listed represent the vessels share of the coop pollock based on the relevant catch history of each member vessel. In addition to using these percentages for pollock distribution, the coop percentages were also used for the purpose of allocating coop costs down to the vessel level. The Trident Seafoods plant in Akutan, Alaska served as the primary purchasing and processing facility for the ACVA in 2019.

	2019 Coop %
ALDEBARAN	4.3391%
ARCTIC EXPLORER	5.4590%
ARCTIC RAM	1.1385%
ARCTURUS	4.5726%
BRISTOL EXPLORER	5.2111%
CAPE KIWANDA	1.5602%
COLUMBIA	4.2706%
DOMINATOR	5.1808%
EXCALIBUR II	1.5389%
GLADIATOR	4.8569%
GOLDEN DAWN	5.1889%
GOLDEN PISCES	0.8010%
LISA MELINDA	0.6486%
MAJESTY	2.9473%
MARCY J	0.5326%
MARGARET LYN	0.1010%
MARK I	0.1336%
NORTHERN PATRIOT	7.1373%
NORTHERN RAM	2.5513%
NORTHWEST EXPLORER	4.7513%
OCEAN EXPLORER	4.7215%
PACIFIC EXPLORER	4.4702%
PACIFIC RAM	0.6022%
PACIFIC VIKING	3.2288%
PEGASUS	2.0569%
ROYAL ATLANTIC	3.8757%
PERSEVERANCE	0.8742%
LESLIE LEE	0.5824%
RAVEN	2.1062%
ROYAL AMERICAN	2.8704%
SEEKER	1.0935%
SOVEREIGNTY	6.9589%
TRAVELER	0.1222%
VIKING EXPLORER	3.5163%
	100.0000%

B. Cooperative Management

The Akutan Catcher Vessel Association is governed by a Board of Directors as well as through active participation by the owners and operators of the member vessels. The Akutan Catcher Vessel Association remains very active in the Inter-coop process and is bound contractually to the Inter-coop through the Inter-Coop Agreement. Inter-coop issues and fishery management decisions are brought to the coop level in the form of preferred alternatives. The preferred alternatives are a result of discussions and negotiations with the other coops resulting in unanimous decisions by all coop representatives. All preferred alternatives are discussed and voted on at the coop level prior to being supported at the inter-coop level.

C. In-Season Management

The day to day management of the coop is the responsibility of the coop manager. The coop manager is responsible for all communications with the fleet regarding coop and inter-coop issues as well as providing all coop information back to the vessel owners and managers. The coop manager also schedules all meetings, budgets and manages coop costs and attends all inter-coop meetings.

In addition to the above duties, the coop Manager is also responsible for all pollock and sideboard distribution as well as the in-season management of all pollock, sideboard fisheries and PSC. Prior to individual season openings, it is requested that the coop members advise the coop manager of their fishing plans. This is not a formal process but it provides the coop manager adequate information as to which vessels will participate in which fisheries prior to the fisheries commencing. During this process, member vessels are informed of allocations or sideboard restrictions and any other pertinent information that needs to be conveyed. As the fisheries proceed, landing data is obtained by the coop manager from the plant that received the catch and landing totals are tabulated and compared against allocations or sideboards in the pertinent area. Vessels keep updated on their allocation progress via direct communication with the coop manager. An update is also sent to the processor and the vessel owners on a regular basis. This process ensures that no allocation or sideboard limits are exceeded.

It is also the responsibility of the coop manager to complete all coop reporting requirements as outlined by the government. This includes the compilation and completion of the annual report to the Council.

Transfers of allocation are used within and between coops to allow for efficient use of allocations. The coop manager is responsible for tracking all transfers and preparing any necessary paperwork to facilitate the transfers. All completed transfers are then reported to the coop via changes to the allocation spreadsheets that are distributed regularly. In many cases the manager aids in the transfer process by identifying remaining allocations or fishing situations in which a transfer might be beneficial for a fishing plan or salmon avoidance as requested by coop members.

All landings data, including prohibited species catches, are also gathered by Sea State, Inc. Since the inception of AFA coops, Sea State has been hired to act as a third party to aid in our fishery management. Harvest and bycatch data is obtained by Sea State via the NMFS eLandings program which is used at the plants, or via observer reports which are acquired through the observer program office in Seattle. This data allows Sea State to aid the coop manager with in-season management as needed. This service is used primarily to monitor the harvest of prohibited species and to facilitate the various bycatch programs put in place by the inter-coop group. All data gathered by Sea State is available to the coop manager via a password protected website. Data on the website is available in aggregate or by individual vessel deliveries. Coop members can also log on to view this information on an inquiry only basis.

2. Akutan Catcher Vessel Association AFA Pollock

A. Cooperative Pollock Allocation

Based on the NMFS verified catch histories of its member vessels, the Akutan Catcher Vessel Association was allocated **33.788%** of the pollock available for directed fishing by the Bering Sea onshore sector. This resulted in a 2019 Bering Sea pollock allocation of **207,051 MT**. This total allocation was distributed to member vessels based on their corresponding coop percentage. Per the coop agreement, 45% of their annual allocation was distributed in the “A” season and the balance in the “B” season.

B. Vessel Allocations and Harvest

Table 1 shows initial pollock allocations to the ACVA member vessels as well as the total harvest of pollock by member vessels. Table 2 shows the pollock harvest along with non-groundfish and PSC catch.

TABLE 1:

As indicated on this table in the bottom right hand corner, **103 MT** of pollock was left unharvested in this coop for 2019.

As evident by looking at each vessel’s harvest compared to their allocations, many intra-coop transfers were made. Some of this is a result of vessels stacking their allocations to further rationalize the fishery. Many of these transfers were a direct result of specific operational plans during the “B” season fishery. For example, there are several vessels that don’t harvest their B season pollock because of their participation in other fisheries. They would harvest both their A and B season pollock allocation during the A season.

As you can see at the bottom of Table 1 three boats from outside the coop were contracted under Amendment 69 to deliver fish on behalf of the ACVA. Almost all of this fish was delivered to the Trident Plant in Akutan.

No member vessels in this coop exceeded their annual allocation of BS pollock without approval of the coop manager. Small overages do occur but were easily offset by the vessels that left small amounts unharvested.

TABLES 2 and 3:

Show the total pollock catch and the associated PSC bycatch as well as sideboard bycatch in the directed pollock fishery.

TABLE 1

AKUTAN CATCHER VESSEL ASSOCIATION

2019 POLLOCK ALLOCATIONS AND HARVEST BY VESSEL

2019 Total Pollock Allocation:

207,015

Vessel	2019 Coop %	2019 Allocation (MT)	Vessel Harvest (MT)	Over/Under Allocation (MT)
Aldebaran	4.3391%	8,983	8,538	445
Arctic Explorer	5.4590%	11,301	13,026	(1,725)
Arctic Ram	1.1385%	2,357	2,646	(289)
Arcturus	4.5726%	9,466	10,070	(604)
Bristol Explorer	5.2111%	10,788	13,414	(2,626)
Cape Kiwanda	1.5602%	3,230	-	3,230
Columbia	4.2706%	8,841	10,356	(1,516)
Dominator	5.1808%	10,725	10,648	77
Excalibur II	1.5389%	3,186	3,981	(795)
Gladiator	4.8569%	10,054	12,086	(2,032)
Golden Dawn	5.1888%	10,742	10,807	(65)
Golden Pisces	0.8010%	1,658	2,773	(1,115)
Leslie Lee	0.5824%	1,206	2,021	(815)
Lisa Melinda	0.6486%	1,343	1,711	(369)
Majesty	2.9473%	6,101	4,882	1,219
Marcy J	0.5326%	1,102	1,048	54
Margaret Lyn	0.1010%	209	-	209
Mark I	0.1336%	277	-	277
Northern Patriot	7.1373%	14,775	15,273	(498)
Northern Ram	2.5514%	5,282	-	5,282
Northwest Explorer	4.7513%	9,836	8,877	959
Ocean Explorer	4.7215%	9,774	-	9,774
Pacific Explorer	4.4702%	9,254	10,882	(1,628)
Pacific Ram	0.6022%	1,247	1,183	63
Pacific Viking	3.2288%	6,684	7,459	(775)
Pegasus	2.0569%	4,258	-	4,258
Perseverance	0.8742%	1,810	1,205	605
Raven	2.1062%	4,360	2,235	2,125
Royal American	2.8704%	5,942	8,029	(2,087)
Royal Atlantic	3.8757%	8,023	8,397	(373)
Seeker	1.0935%	2,264	1,650	613
Sovereignty	6.9589%	14,406	15,523	(1,117)
Traveler	0.1222%	253	5,556	(5,303)
Viking Explorer	3.5163%	7,279	8,564	(1,285)
Arctic Wind (AM69)		-	2,106	(2,106)
Nordic Star (AM69)		-	78	(78)
Seadawn (AM69)		-	1,888	(1,888)
Totals	100.00%	207,015	206,912	103

TABLE 2

AKUTAN CATCHER VESSEL ASSOCIATION

2019 ACTUAL CATCH AND PSC BYCATCH IN DIRECTED POLLOCK FISHERY

Vessel	Pollock Harvest (MT)	Non Target Groundfish (MT)	Halibut Mort. (MT)	Red King Crab (N)	Bairdi (N)	Other Tanner (N)	Chinook (N)	Other Salmon (N)	Herring (MT)
ALDEBARAN	8,538	117	0.01	0	0	0	277	814	2.17
ARCTIC EXPLORER	13,026	162	0.00	0	0	0	182	9,432	34.69
ARCTIC RAM	2,646	29	0.00	0	0	0	64	119	0.27
ARCTURUS	10,070	109	0.03	0	0	0	185	2,383	12.66
BRISTOL EXPLORER	13,414	196	0.00	0	0	0	228	8,639	188.19
COLUMBIA	10,356	151	0.01	0	0	0	205	3,068	82.32
DOMINATOR	10,648	231	0.00	0	0	0	216	8,625	0.32
EXCALIBUR II	3,981	52	0.00	0	0	0	58	1,258	1.64
GLADIATOR	12,086	272	0.04	0	0	0	126	3,406	10.39
GOLDEN DAWN	10,807	145	0.03	0	0	0	202	2,052	36.06
GOLDEN PISCES	2,773	52	0.00	0	0	0	57	1,498	3.58
LESLIE LEE	2,021	29	0.00	0	0	0	21	186	0.09
LISA MELINDA	1,711	17	0.00	0	0	0	44	0	0.00
MAJESTY	4,882	56	0.03	0	0	0	87	4,392	3.41
MARCY J	1,048	16	0.00	0	0	0	16	121	0.06
NORTHERN PATRIOT	15,273	311	0.81	0	0	0	374	5,152	36.22
NORTHWEST EXPLORER	8,877	133	0.05	0	0	0	129	3,970	3.88
PACIFIC EXPLORER	10,882	123	0.04	0	0	0	144	4,716	8.14
PACIFIC RAM	1,183	3	0.00	0	0	0	5	0	0.00
PACIFIC VIKING	7,459	95	3.02	0	0	0	165	724	0.40
PERSEVERANCE	1,205	15	0.00	0	0	0	24	0	0.00
RAVEN	2,235	30	0.00	0	0	0	20	0	0.00
ROYAL AMERICAN	8,029	61	0.00	0	0	0	110	1,465	5.83
ROYAL ATLANTIC	8,397	120	0.00	0	0	0	97	1,942	10.69
SEEKER	1,650	17	0.00	0	0	0	23	1	0.00
SOVEREIGNTY	15,523	214	0.20	0	0	0	274	4,589	15.66
TRAVELER	5,556	55	0.01	0	0	0	41	445	14.07
VIKING EXPLORER	8,564	146	0.00	0	0	0	221	2,225	5.14
ARCTIC WIND (AM69)	2,106	41	1.02	0	0	0	13	1,108	8.07
NORDIC STAR (AM69)	78	3	0.00	0	0	0	0	0	0.00
SEADAWN (AM69)	1,888	18	0.00	0	0	0	31	263	0.00
TOTALS	206,912	3,017	5.28	0	0	0	3,639	72,593	483.98
TOTAL ALLOCATION	207,015								
REMAINING ALLOCATION	103								

TABLE 3

AKUTAN CATCHER VESSEL ASSOCIATION

2019 ACTUAL CATCH AND SIDEBOARD BYCATCH IN THE DIRECTED POLLOCK FISHERY

Vessel	Non Target						
	Pollock Harvest (M/T)	Groundfish (M/T)	Pacific Cod (MT)	Sablefish (M/T)	AtkaMackerel (MT)	Yellowfin Sole (MT)	Rock Sole (MT)
Aldebaran	8,538	116.60	41.15	8.56	0.31	0.16	2.30
Arctic Explorer	13,026	161.55	52.57	28.73	0.43	0.13	1.08
Arctic Ram	2,646	28.54	15.92	1.09	2.66	0.07	0.26
Arcturus	10,070	109.31	49.14	9.04	0.06	0.17	1.81
Bristol Explorer	13,414	196.22	60.89	16.29	0.11	0.37	5.07
Columbia	10,356	150.82	38.76	15.72	8.99	0.57	1.07
Dominator	10,648	231.09	55.02	20.23	3.18	0.20	4.57
Excalibur II	3,981	51.52	22.64	12.04	0.29	0.05	0.15
Gladiator	12,086	271.82	55.78	34.47	10.91	0.40	5.16
Golden Dawn	10,807	144.98	29.92	30.77	0.18	0.39	1.57
Golden Pisces	2,773	52.47	22.89	4.13	12.69	0.03	0.86
Leslie Lee	2,021	28.91	1.19	0.73	0.01		0.01
Lisa Melinda	1,711	16.60	15.17			0.02	0.41
Majesty	4,882	56.35	28.66	2.71	0.02	0.15	2.18
Marcy J	1,048	15.94	9.41	0.07	0.00	0.00	0.05
Northern Patriot	15,273	311.03	38.90	19.84	3.56	0.07	1.51
Northwest Explorer	8,877	132.80	32.56	22.96	1.58	0.06	0.62
Pacific Explorer	10,882	122.58	58.24	10.57	12.83	0.05	0.90
Pacific Ram	1,183	3.17	2.81			0.01	0.17
Pacific Viking	7,459	94.68	47.14	5.28	0.12	0.42	3.83
Perseverance	1,205	14.85	12.44		0.00	0.19	0.95
Raven	2,235	29.55	28.15		0.00	0.12	0.38
Royal American	8,029	60.66	30.29	5.48	0.07	0.05	0.83
Royal Atlantic	8,397	120.41	35.59	6.46	13.72	0.18	1.31
Seeker	1,650	17.31	15.67		0.00	0.05	0.72
Sovereignty	15,523	213.97	45.33	21.57	0.50	0.11	2.69
Traveler	5,556	54.89	12.00	9.68	0.05	0.01	0.25
Viking Explorer	8,564	146.27	35.91	26.48	19.53	0.14	3.80
Arctic Wind (AM69)	2,106	40.96	12.84	7.71	0.01	0.21	0.48
Nordic Star (AM69)	78	2.81	0.05	0.11	0.00		
Seadawn (AM69)	1,888	18.26	3.35	1.27	0.05	0.03	0.07
TOTALS	206,912	3,016.92	910.38	322.00	91.88	4.39	45.05
TOTAL ALLOCATION	207,015						
REMAINING ALLOCATION	103						

3. BSAI Sideboards

A. BSAI Cod Sideboard Allocations

BSAI sideboard allocations were established for each AFA Coop for pacific cod, yellowfin sole and rock sole. No vessels from the Akutan Catcher Vessel Association participated in the Bering Sea yellowfin sole or rock sole fishery in 2019. Coop sideboard allocations for Bering Sea flatfish have not been distributed to individual vessels in the coop.

Based on the Sea State verified catch history of its member vessels, the ACVA was allocated 31.47% of the Bering Sea cod sideboards available to the AFA non-exempt fleet. This resulted in a total 2019 pacific cod sideboard total of 9,660 MT to the Akutan non-exempt fleet. Six-member vessels in the ACVA were Bering Sea exempt cod boats in 2019.

B. Cod Sideboard Transfers

The middle column of Table 4 shows the cod transfers that were made for 2019 for the Akutan Catcher Vessel Association. There were 2 cod sideboard transfers into the Akutan coop in 2019.

C. Vessel Cod and PSC Harvest

Table 4 shows the cod coop percentage for each of the non-exempt member vessels and their associated sideboard totals and harvest amounts for 2019. The bottom of the table also shows the Bering Sea cod exempt vessels and their associated cod landings for 2019. Table 5 shows the total cod sideboard harvest as well as the non-target groundfish and PSC harvest for both the exempt and non-exempt member vessels.

TABLE 4:

A total of 5,166 MT of non-exempt cod was left unharvested during 2019. As stated above, the total non-exempt sideboard allocation for 2018 was 9,660 MT, of which 57.6% was harvested. Most of the cod harvest took place in the winter and spring during the January through April time frame. No member vessel participated in the cod fishery during the second half of the year.

As you can see by looking at each vessel's sideboard totals and harvest amounts, some intra-coop transfers were made. These transfers were the result of vessels stacking sideboards in order to allow vessels to finish pollock and others to harvest cod in the spring. All vessels that harvested amounts in excess of their own sideboard total did so under the direction of the coop manager.

A summary of the ACVA exempt vessel cod sideboard harvest can be seen at the bottom of Table 4.

TABLE 5:

PSC caps were established for halibut, zone 1 red king crab as well as zone 1 bairdi and other tanner. As the harvest data shows, PSC bycatch was higher in 2019. A total of 67 MT, or 69%, of the coop's non-exempt halibut mortality was used to harvest the non-exempt vessel's cod. The PSC catch for the exempt cod fleet is also seen in Table 5.

TABLE 4

AKUTAN CATCHER VESSEL ASSOCIATION

2019 BERING SEA PACIFIC COD SIDEBOARD ALLOCATIONS AND HARVEST

Vessel	Coop Cod	2019 Cod Sideboard Allocation (MT)	Inter Coop Transfers (MT)	Total Sideboard with Transfers	Vessel Harvest (MT)	(Over) / Under Allocation (MT)
Aldebaran	4.971%	480.20		480.20		480.20
Arctic Explorer	4.879%	471.35	464.80	936.15		936.15
Arcturus	4.339%	419.13		419.13		419.13
Cape Kiwanda	4.813%	464.90		464.90	189.74	275.16
Columbia	5.216%	503.87		503.87		503.87
Dominator	4.536%	438.21		438.21	362.13	76.08
Sovereignty	1.486%	143.53		143.53		143.53
Northern Patriot	0.719%	69.47		69.47		69.47
Excalibur II	1.528%	147.61		147.61		147.61
Gladiator	4.023%	388.59		388.59	291.41	97.18
Golden Dawn	4.276%	413.02		413.02	334.91	78.11
Arctic Ram	1.067%	103.06		103.06		103.06
Lisa Melinda	0.419%	40.46		40.46		40.46
Majesty	5.532%	534.41		534.41	468.23	66.18
Northwest Explorer	4.205%	406.18		406.18	955.13	(548.95)
Pacific Ram	1.383%	133.60		133.60		133.60
Pacific Viking	5.587%	539.75		539.75	281.65	258.10
Pegasus	4.947%	477.91		477.91		477.91
Raven	3.793%	366.45		366.45	428.38	(61.93)
Royal American	5.698%	550.44	611.00	1161.44	389.97	771.47
Royal Atlantic	7.103%	686.17		686.17	509.26	176.91
Viking Explorer	4.663%	450.43		450.43		450.43
Bristol Explorer	4.939%	477.08		477.08		477.08
Ocean Explorer	4.939%	477.09		477.09	689.05	(211.96)
Pacific Explorer	4.939%	477.09		477.09	669.50	(192.41)
Totals	100.000%	9,660.00	1,075.80	10,735.80	5,569.36	5,166.44

Exempt Vessels	2019 Cod Harvest
Northern Ram	
Golden Pisces	725.64
Marcy J	
Perseverance	381.75
Leslie Lee	478.36
Seeker	475.53
Total (MT)	2,061.28

TABLE 5

AKUTAN CATCHER VESSEL ASSOCIATION

2019 BERING SEA PACIFIC COD SIDEBOARD DIRECTED HARVEST AND PSC BYCATCH

Non - Exempt Vessels	Pacific Cod Harvest (MT)	Total GF	Non - Target Groundfish (MT)	Halibut Mortality (MT)	Red King Crab (N)	Bairdi (N)	Other Tanner (N)	Chinook (N)	Other Salmon (N)	Herring (MT)
Aldebaran										
Arctic Explorer										
Royal Atlantic	509.26	538.48	29.22	5.93	0	17	0	1	0	0
Arcturus										
Cape Kiwanda	189.7	220.1	30.4	2.3	0	2	0	1	0	0
Columbia										
Dominator	362.1	396.9	34.7	3.5	0	0	0	0	0	0
Sovereignty										
Northern Patriot										
Excalibur II										
Gladiator	291.4	308.6	17.2	2.5	0	0	0	0	0	0
Golden Dawn	334.9	381.4	46.5	6.9	0	4	0	46	0	0
Arctic Ram										
Lisa Melinda										
Majesty	468.2	495.6	27.3	5.5	0	59	0	7	0	0
Northwest Explorer	955.1	1020.3	65.2	2.5	0	114	0	0	0	0
Pacific Ram										
Pacific Viking	281.7	297.5	15.9	3.6	0	0	0	0	0	0
Pegasus										
Raven	428.4	436.7	8.3	8.9	0	0	0	0	0	0
Royal American	390.0	409.9	19.9	6.6	0	0	0	0	0	0
Viking Explorer										
Bristol Explorer										
Ocean Explorer	689.1	718.9	29.9	7.5	0	75	0	103	0	0
Pacific Explorer	669.5	706.3	36.8	11.6	0	35	0	0	0	0
TOTAL ALLOCATION	9,660			97.8	6478	12,709	26,263			
TOTALS	5,569.4	5,930.5	361.1	67.1	0	305	0	159	0	0

Exempt Vessels	Pacific Cod Harvest (MT)	Total GF	Non - Target Groundfish (MT)	Halibut Mortality (MT)	Red King Crab (N)	Bairdi (N)	Other Tanner (N)	Chinook (N)	Other Salmon (N)	Herring (MT)
Golden Pisces	476.6	495.3	18.6	2.29	0	4	0	6	0	0
Marcy J										
Northern Ram	156.0	160.3	4.4	0.68	0	0	0	1	0	0
Perseverance	520.1	533.6	13.5	2.19	0	9	0	4	0	0
Predator										
Seeker	759.8	778.9	19.1	3.01	0	0	0	11	0	0

D. Total BSAI Sideboard Harvest

2019 American Fisheries Act Catcher Vessel Sideboards have been established for most of the species or species groups in the BSAI. Coop sideboard allocations for the BSAI have only been established for pacific cod, yellowfin sole, and rock sole. Table 6 below summarizes the Akutan Catcher Vessel Association harvest of all BSAI sideboard species for 2019. These data include the directed fishing for pacific cod sideboards as well as the bycatch of all other species taken in both the pollock and cod directed fisheries in the BSAI.

TABLE 6

AKUTAN CATCHER VESSEL ASSOCIATION

2019 BSAI TOTAL SIDEBOARD HARVEST BY VESSEL

Vessel	P Cod (MT)			BS/541 Atka Mackerel (MT)			Yellowfin Sole (MT)			Rock Sole (MT)			Arrowtooth (MT)		
	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total
Aldebaran	41.12	0.03	41.15	0.31	0.00	0.31	0.16	0.00	0.16	2.29	0.00	2.30	1.82	0.00	1.82
Arctic Explorer	52.53	0.04	52.57	0.43	0.00	0.43	0.13	0.00	0.13	1.07	0.01	1.08	2.40	0.00	2.40
Arctic Ram	15.90	0.02	15.92	2.66	0.00	2.66	0.07	0.00	0.07	0.26	0.00	0.26	0.30	0.00	0.30
Arctic Wind (AM69)	12.81	0.02	12.84	0.01	0.00	0.01	0.21	0.00	0.21	0.48	0.00	0.48	0.62	0.00	0.62
Arcturus	49.08	0.06	49.14	0.06	0.00	0.06	0.17	0.00	0.17	1.81	0.00	1.81	1.95	0.00	1.95
Bristol Explorer	60.79	0.10	60.89	0.11	0.00	0.11	0.37	0.00	0.37	5.06	0.01	5.07	1.19	0.00	1.19
Cape Kiwanda	189.45	0.30	189.74	0.00	0.00	0.00	0.00	0.40	0.40	0.00	1.19	1.19	0.00	0.83	0.83
Columbia	38.71	0.05	38.76	8.99	0.00	8.99	0.57	0.00	0.57	1.07	0.00	1.07	1.18	0.00	1.18
Dominator	416.68	0.48	417.16	3.18	0.00	3.18	0.20	0.75	0.95	4.57	2.61	7.18	2.90	1.18	4.08
Excalibur II	22.62	0.02	22.64	0.29	0.00	0.29	0.05	0.00	0.05	0.15	0.00	0.15	0.65	0.00	0.65
Gladiator	346.89	0.30	347.19	10.91	0.00	10.91	0.40	0.54	0.94	5.15	2.02	7.17	11.42	0.75	12.17
Golden Dawn	364.48	0.35	364.83	0.18	0.00	0.18	0.39	0.57	0.96	1.56	2.17	3.73	2.70	0.85	3.55
Golden Pisces	745.91	0.25	746.15	12.69	0.00	12.69	0.03	0.47	0.50	0.86	10.54	11.39	0.23	1.32	1.55
Leslie Lee	479.15	0.40	479.55	0.01	0.00	0.01	0.00	0.69	0.69	0.01	2.52	2.52	0.25	1.22	1.47
Lisa Melinda	15.15	0.02	15.17	0.00	0.00	0.00	0.02	0.00	0.02	0.41	0.00	0.41	0.01	0.00	0.01
Majesty	496.45	0.44	496.89	0.02	0.00	0.02	0.15	0.70	0.84	2.18	2.45	4.63	0.73	1.28	2.01
Marcy J	9.39	0.02	9.41	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.05	0.15	0.00	0.15
Margaret Lyn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mark I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nordic Star (AM69)	0.05	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Northern Patriot	38.74	0.16	38.90	3.56	0.00	3.56	0.07	0.00	0.07	1.51	0.01	1.51	3.55	0.00	3.55
Northern Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northwest Explorer	987.60	0.10	987.69	1.58	0.00	1.58	0.06	0.02	0.08	22.09	24.06	46.15	1.53	2.02	3.56
Ocean Explorer	689.05	0.00	689.05	0.00	0.00	0.00	0.63	0.00	0.63	2.41	9.46	11.87	0.81	0.64	1.44
Pacific Explorer	727.66	0.08	727.74	12.83	0.00	12.83	0.52	0.00	0.52	3.64	0.02	3.66	2.71	0.01	2.71
Pacific Ram	2.81	0.00	2.81	0.00	0.00	0.00	0.01	0.00	0.01	0.16	0.00	0.17	0.00	0.00	0.00
Pacific Viking	328.48	0.31	328.79	0.12	0.00	0.12	0.42	0.37	0.80	3.82	1.20	5.02	2.38	0.86	3.25
Pegasus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perseverance	393.94	0.25	394.19	0.00	0.00	0.00	0.19	0.41	0.60	0.95	1.62	2.57	0.03	0.77	0.80
Raven	456.46	0.07	456.53	0.00	0.00	0.00	0.12	0.01	0.13	0.38	0.43	0.81	0.09	0.39	0.48
Royal American	420.00	0.25	420.25	0.07	0.00	0.07	0.05	0.51	0.56	0.83	2.10	2.93	1.45	0.74	2.18
Royal Atlantic	544.37	0.48	544.85	13.72	0.00	13.72	0.18	0.79	0.97	1.31	2.87	4.18	0.99	1.33	2.32
Seadawn (AM69)	3.34	0.01	3.35	0.05	0.00	0.05	0.03	0.00	0.03	0.07	0.00	0.07	0.40	0.00	0.40
Seeker	490.86	0.34	491.20	0.00	0.00	0.00	0.05	0.59	0.64	0.72	2.24	2.96	0.04	1.04	1.08
Sovereignty	45.30	0.04	45.33	0.50	0.00	0.50	0.11	0.00	0.11	2.68	0.00	2.69	3.57	0.00	3.57
Traveler	11.97	0.03	12.00	0.05	0.00	0.05	0.01	0.00	0.01	0.25	0.00	0.25	0.37	0.00	0.38
Viking Explorer	35.90	0.01	35.91	19.53	0.00	19.53	0.14	0.00	0.14	3.80	0.00	3.80	2.77	0.00	2.78

TABLE 6 - CONTINUED

AKUTAN CATCHER VESSEL ASSOCIATION

2019 BSAI TOTAL SIDEBORD HARVEST BY VESSEL

Vessel	Alaska Plaice (MT)			Other Flats (MT)			BS POP (MT)			Northern Rockfish (MT)			Shortraker (MT)		
	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total
Aldebaran	0.01	0.00	0.01	2.57	0.00	2.57	18.65	2.45	21.10	0.03	0.03	0.06	0.05	0.00	0.05
Arctic Explorer	0.02	0.00	0.02	1.21	0.01	1.22	27.06	2.79	29.85	0.07	0.03	0.10	0.05	0.00	0.05
Arctic Ram	0.00	0.00	0.00	0.45	0.00	0.45	0.63	0.70	1.33	0.02	0.02	0.04	0.01	0.00	0.01
Arctic Wind (AM69)	0.00	0.00	0.00	0.63	0.00	0.63	12.08	0.63	12.71	0.01	0.00	0.02	0.02	0.00	0.02
Arcturus	0.01	0.00	0.01	2.54	0.00	2.55	8.36	2.14	10.49	0.04	0.02	0.07	0.06	0.00	0.06
Bristol Explorer	0.01	0.00	0.01	2.09	0.01	2.10	43.70	13.24	56.94	1.37	0.39	1.76	0.11	0.00	0.11
Cape Kiwanda	0.00	0.09	0.09	0.00	0.53	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Columbia	0.00	0.00	0.00	1.03	0.00	1.03	29.81	2.67	32.48	0.09	0.03	0.12	0.06	0.00	0.06
Dominator	0.04	0.12	0.17	5.88	2.04	7.92	27.55	3.69	31.24	0.20	0.03	0.24	0.06	0.00	0.06
Excalibur II	0.00	0.00	0.00	0.13	0.00	0.13	10.24	0.91	11.15	0.04	0.01	0.05	0.01	0.00	0.01
Gladiator	0.03	0.08	0.11	5.88	1.81	7.70	75.44	7.95	83.39	0.06	0.14	0.20	0.05	0.00	0.05
Golden Dawn	0.00	0.08	0.09	3.36	1.90	5.27	23.31	2.51	25.82	0.25	0.03	0.28	0.04	0.00	0.04
Golden Pisces	0.00	0.07	0.07	0.06	1.60	1.66	7.79	1.09	8.89	0.11	1.81	1.92	0.03	0.00	0.03
Leslie Lee	0.00	0.12	0.12	0.12	1.90	2.01	2.56	1.16	3.71	0.00	0.03	0.03	0.01	0.00	0.01
Lisa Melinda	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Majesty	0.03	0.12	0.15	0.38	1.71	2.09	8.10	1.41	9.51	0.04	0.02	0.06	0.02	0.00	0.02
Marcy J	0.00	0.00	0.00	0.06	0.00	0.06	0.15	0.21	0.36	0.00	0.01	0.01	0.00	0.00	0.00
Margaret Lyn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mark I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nordic Star (AM69)	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.06	0.37	0.00	0.00	0.00	0.00	0.00	0.00
Northern Patriot	0.01	0.00	0.01	5.82	0.00	5.83	26.38	17.60	43.98	0.53	0.40	0.94	0.06	0.00	0.06
Northern Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northwest Explorer	0.00	0.00	0.00	1.51	0.09	1.60	41.56	2.67	44.23	6.76	3.89	10.65	0.03	0.00	0.03
Ocean Explorer	0.15	0.00	0.15	0.34	0.00	0.34	0.00	0.00	0.00	0.28	1.72	2.00	0.00	0.00	0.00
Pacific Explorer	0.14	0.00	0.14	0.40	0.03	0.44	9.95	2.00	11.94	0.05	0.03	0.07	0.01	0.00	0.01
Pacific Ram	0.00	0.00	0.00	0.03	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific Viking	0.02	0.08	0.10	4.26	0.53	4.79	3.96	1.67	5.62	0.04	0.03	0.07	0.03	0.00	0.03
Pegasus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perseverance	0.01	0.06	0.07	0.08	1.26	1.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Raven	0.01	0.00	0.01	0.07	0.17	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Royal American	0.00	0.06	0.06	1.70	1.97	3.68	3.35	3.86	7.21	0.06	0.10	0.16	0.02	0.00	0.02
Royal Atlantic	0.01	0.13	0.14	0.64	2.24	2.87	12.25	2.18	14.43	0.04	0.01	0.05	0.03	0.00	0.03
Seadawn (AM69)	0.00	0.00	0.00	0.64	0.00	0.64	5.47	0.25	5.71	0.02	0.00	0.02	0.01	0.00	0.01
Seeker	0.00	0.09	0.09	0.02	1.77	1.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sovereignty	0.00	0.00	0.00	3.58	0.00	3.59	49.12	3.38	52.50	0.10	0.04	0.14	0.10	0.00	0.10
Traveler	0.00	0.00	0.00	0.30	0.00	0.30	17.62	1.89	19.51	0.04	0.03	0.07	0.03	0.00	0.03
Viking Explorer	0.00	0.00	0.00	3.90	0.00	3.90	25.09	3.35	28.44	0.26	0.04	0.30	0.06	0.00	0.06

TABLE 6 - CONTINUED

AKUTAN CATCHER VESSEL ASSOCIATION

2019 BSAI TOTAL SIDEBOARD HARVEST BY VESSEL

Vessel	Rougheye (MT)			BS Other Rockfish (MT)			Flathead Sole (MT)			AI POP (MT)		
	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total
Aldebaran	0.01	0.00	0.01	0.11	0.00	0.11	4.47	0.01	4.47	0.00	0.00	0.00
Arctic Explorer	0.01	0.00	0.01	0.01	0.00	0.01	3.39	0.02	3.42	0.00	0.00	0.00
Arctic Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.97	0.00	0.00	0.00
Arctic Wind (AM69)	0.00	0.00	0.00	0.00	0.00	0.00	1.56	0.00	1.56	0.00	0.00	0.00
Arcturus	0.00	0.00	0.00	0.00	0.00	0.00	5.97	0.00	5.98	0.00	0.00	0.00
Bristol Explorer	0.01	0.00	0.01	0.00	0.00	0.00	3.82	0.01	3.83	0.00	0.00	0.00
Cape Kiwanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	1.22	0.00	0.00	0.00
Columbia	0.02	0.00	0.02	0.02	0.00	0.02	2.06	0.01	2.07	0.00	0.00	0.00
Dominator	0.01	0.00	0.01	0.17	0.00	0.17	6.86	1.71	8.57	0.00	0.00	0.00
Excalibur II	0.01	0.00	0.01	0.00	0.00	0.00	0.62	0.00	0.62	0.00	0.00	0.00
Gladiator	0.01	0.00	0.01	0.64	0.00	0.64	8.75	1.07	9.82	0.00	0.00	0.00
Golden Dawn	0.02	0.00	0.02	0.04	0.00	0.04	5.26	1.21	6.46	0.00	0.00	0.00
Golden Pisces	0.01	0.00	0.01	0.00	0.00	0.00	0.84	1.66	2.50	0.00	0.05	0.05
Leslie Lee	0.00	0.00	0.00	0.00	0.00	0.00	0.16	1.74	1.90	0.00	0.00	0.00
Lisa Melinda	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.46	0.00	0.00	0.00
Majesty	0.00	0.00	0.00	0.00	0.00	0.00	1.15	1.84	2.99	0.00	0.00	0.00
Marcy J	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.21	0.00	0.00	0.00
Margaret Lyn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mark I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nordic Star (AM69)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northern Patriot	0.01	0.00	0.01	0.84	0.00	0.84	8.11	0.01	8.12	0.00	0.00	0.00
Northern Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northwest Explorer	0.00	0.00	0.00	0.00	0.00	0.00	2.18	1.85	4.02	0.00	0.13	0.13
Ocean Explorer	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.66	1.57	0.00	0.05	0.05
Pacific Explorer	0.00	0.00	0.00	0.00	0.00	0.00	2.93	0.06	2.99	0.00	0.00	0.00
Pacific Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.12	0.00	0.00	0.00
Pacific Viking	0.00	0.00	0.00	0.20	0.00	0.20	4.68	1.24	5.92	0.00	0.00	0.00
Pegasus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perseverance	0.00	0.00	0.00	0.00	0.00	0.00	0.61	1.08	1.68	0.00	0.00	0.00
Raven	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.48	0.90	0.00	0.00	0.00
Royal American	0.00	0.00	0.00	0.01	0.00	0.01	2.00	1.02	3.02	0.00	0.00	0.00
Royal Atlantic	0.01	0.00	0.01	0.00	0.00	0.00	1.46	1.90	3.36	0.00	0.00	0.00
Seadawn (AM69)	0.00	0.00	0.00	0.24	0.00	0.24	1.74	0.00	1.74	0.00	0.00	0.00
Seeker	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.47	2.01	0.00	0.00	0.00
Sovereignty	0.02	0.00	0.02	0.83	0.00	0.83	7.14	0.01	7.15	0.00	0.00	0.00
Traveler	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.01	0.53	0.00	0.00	0.00
Viking Explorer	0.01	0.00	0.01	0.00	0.00	0.00	5.35	0.01	5.35	0.00	0.00	0.00

TABLE 6 - CONTINUED

AKUTAN CATCHER VESSEL ASSOCIATION

2019 BSAI TOTAL SIDEBOARD HARVEST BY VESSEL

Vessel	Squid (MT)			AI Other Rockfish (MT)			BS Sablefish (MT)			Greenland Turbot (MT)		
	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total
Aldebaran	29.42	0.52	29.94	0.00	0.00	0.00	0.00	0.65	0.65	0.02	0.00	0.02
Arctic Explorer	37.36	1.90	39.26	0.00	0.00	0.00	6.57	3.87	10.44	0.03	0.00	0.03
Arctic Ram	3.90	0.32	4.21	0.00	0.00	0.00	0.00	0.27	0.27	0.00	0.00	0.00
Arctic Wind (AM69)	1.13	0.31	1.44	0.00	0.00	0.00	6.28	0.85	7.13	0.03	0.00	0.03
Arcturus	23.31	1.50	24.82	0.00	0.00	0.00	1.89	2.38	4.27	0.04	0.00	0.04
Bristol Explorer	42.29	1.60	43.89	0.00	0.00	0.00	8.75	3.35	12.10	0.01	0.00	0.01
Cape Kiwanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Columbia	41.71	0.79	42.50	0.00	0.00	0.00	5.59	2.29	7.88	0.01	0.00	0.01
Dominator	88.56	1.16	89.72	0.00	0.00	0.00	2.50	2.11	4.61	0.25	0.00	0.25
Excalibur II	1.05	0.79	1.85	0.00	0.00	0.00	8.17	1.16	9.33	0.00	0.00	0.00
Gladiator	44.04	1.17	45.20	0.00	0.00	0.00	11.27	3.00	14.27	0.23	0.00	0.23
Golden Dawn	39.98	1.00	40.98	0.00	0.00	0.00	6.25	2.27	8.52	0.04	0.00	0.04
Golden Pisces	0.07	0.15	0.22	0.00	0.22	0.22	0.16	0.64	0.79	0.00	0.00	0.00
Leslie Lee	21.40	0.64	22.04	0.00	0.00	0.00	0.00	0.60	0.60	0.00	0.00	0.00
Lisa Melinda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Majesty	3.54	1.00	4.54	0.00	0.00	0.00	0.31	1.41	1.73	0.00	0.00	0.00
Marcy J	5.22	0.05	5.27	0.00	0.00	0.00	0.00	0.06	0.06	0.00	0.00	0.00
Margaret Lyn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mark I	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nordic Star (AM69)	2.21	0.03	2.24	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00	0.00
Northern Patriot	177.38	1.06	178.44	0.00	0.00	0.00	8.68	4.81	13.49	0.59	0.00	0.59
Northern Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northwest Explorer	20.38	2.03	22.41	0.00	0.63	0.63	7.77	2.66	10.43	0.04	0.00	0.04
Ocean Explorer	0.00	0.00	0.00	0.00	0.29	0.29	0.00	0.00	0.00	0.00	0.00	0.00
Pacific Explorer	21.13	2.04	23.18	0.00	0.00	0.00	0.00	2.24	2.24	0.00	0.00	0.00
Pacific Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific Viking	16.21	0.77	16.98	0.00	0.00	0.00	0.00	0.74	0.74	0.01	0.00	0.01
Pegasus	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perseverance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Raven	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Royal American	7.88	1.30	9.18	0.00	0.00	0.00	0.00	1.46	1.46	0.00	0.00	0.00
Royal Atlantic	42.26	1.70	43.96	0.00	0.00	0.00	0.76	3.18	3.94	0.01	0.00	0.01
Seadawn (AM69)	4.42	0.00	4.42	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
Seeker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sovereignty	68.30	2.08	70.38	0.00	0.00	0.00	0.02	3.19	3.21	0.19	0.00	0.19
Traveler	9.24	1.60	10.84	0.00	0.00	0.00	0.11	1.85	1.96	0.00	0.00	0.00
Viking Explorer	14.43	0.87	15.30	0.00	0.00	0.00	3.74	1.32	5.05	0.03	0.00	0.03

4. Bering Sea Salmon Bycatch Management

Chinook and Chum Salmon Rolling Hotspot programs were once again in place for 2019 through the work of the inter-coop group. The Chinook and Chum Salmon Bycatch Agreements were adopted by all of the coops. The overall goal of both programs is to provide to the fleet real-time bycatch data that can be used to avoid salmon hot spots and allow the harvest of pollock with as little salmon bycatch as possible. Incorporated in to these programs were weekly closed areas affecting coops that had shown high salmon bycatch, as defined in the agreement, over the previous couple of weeks.

Sea State was used to monitor the fishery and salmon bycatch performance by the coops. Sea State was responsible for gathering the data, notifying the coop managers of bycatch rates by area as well as determining and announcing the weekly closures.

Vessels fishing for the Akutan Coop always make an effort to fish close to Dutch Harbor and Akutan in order to bring the freshest possible fish to the plant. This provides the plant flexibility with its product mix and insures that they produce the highest quality product possible.

The Plant ran at capacity from the beginning of the 2019 B Season. The fishing was good and salmon bycatch was minimal. Fishing was also very close to the plant increasing fuel efficiency and fishing time. Pollock size was consistent and allowed the plant to maximize their product mix.

Squid and Herring bycatch again was not an issue in 2019 and allowed our fleet to fish in areas abundant with marketable pollock and lower salmon bycatch.

The plant communicates with every coop vessel for every trip the number of salmon and bycatch rate in order to aid in the avoidance of salmon. The Akutan Coop used salmon excluders for nearly 100% of tows in 2019.

The coop continues to seek out new technologies to aid in the reduction of salmon bycatch. Some coop vessels have been using "disco" lights on the salmon excluder and reported some success in the avoidance of Chum Salmon. Salmon Excluder technology continues to improve as well as video technology, our coop is now using one "live" video system and hopes to expand "live" video to more vessels in 2020.

The Akutan Catcher Vessel Association has received no notices from Sea State that we might have possible salmon closed area violations during 2019.

Table 7 below shows the number of salmon taken by species and season by vessels harvesting Pollock for this Coop. Estimations of the number of salmon that may have been avoided by the efforts of this Coop and the Rolling Hotspot program are summarized in the collective catcher vessel Inter-Coop report to the Council at the end of this document.

TABLE 7

AKUTAN CATCHER VESSEL ASSOCIATION

2019 SALMON BYCATCH BY VESSEL, SEASON AND SPECIES

Vessel	Pollock Harvest (MT)	"A" Season 2018 Chinook (N)	"B" Season 2018 Chinook (N)	"A" Season 2018 Other Salmon (N)	"B" Season 2018 Other Salmon (N)
ALDEBARAN	8,538	107	170	2	812
ARCTIC EXPLORER	13,026	122	60	4	9,389
ARCTIC RAM	2,646	34	30	-	110
ARCTURUS	10,070	117	68	1	2,373
BRISTOL EXPLORER	13,414	182	46	5	8,626
COLUMBIA	10,356	94	111	14	3,048
DOMINATOR	10,648	60	156	6	8,612
EXCALIBUR II	3,981	22	36	79	1,165
GLADIATOR	12,086	42	84	3	3,280
GOLDEN DAWN	10,807	109	93	6	2,038
GOLDEN PISCES	2,773	10	47		1,494
LESLIE LEE	2,021		21		185
LISA MELINDA	1,711	44			
MAJESTY	4,882	18	69	2	4,387
MARCY J	1,048	11	5		119
NORTHERN PATRIOT	15,273	203	171	5	5,141
NORTHWEST EXPLORER	8,877	54	75	4	3,958
PACIFIC EXPLORER	10,882	95	49	3	4,695
PACIFIC RAM	1,183	5			
PACIFIC VIKING	7,459	44	121		659
PERSEVERANCE	1,205	24			
RAVEN	2,235	20			
ROYAL AMERICAN	8,029	28	82	3	1,439
ROYAL ATLANTIC	8,397	44	53		1,932
SEEKER	1,650	23			
SOVEREIGNTY	15,523	163	111	3	4,565
TRAVELER	5,556	23	18		436
VIKING EXPLORER	8,564	120	101	3	2,204
ARCTIC WIND (AM69)	2,106	5	8		1,108
NORDIC STAR (AM69)	78				
SEADAWN (AM69)	1,888	9	22		263
	206,912	1,832	1,807	143	72,038

5. Gulf of Alaska Sideboards

A. GOA Sideboard Allocations

Sideboards were established for the major target fisheries in the Gulf of Alaska. For 2019, Sea State published informational tables with GOA sideboard percentages for each coop's non-exempt vessels. Sideboard totals for each coop were calculated by taking the coop's percentage of the overall AFA sideboard for that area and species. Coop percentages are based on the relevant verified catch histories of member vessels.

Tables 8 and 9 show the Akutan Catcher Vessel Association 2019 non-exempt GOA sideboard limits for pollock and cod as well as any inter-coop transfers that took place during the year.

TABLES 8 and 9:

As stated above, these tables list the total sideboard amounts in MT by area and season based on a total of the member's catch histories. Inter-Coop transfers are noted in the middle column and total sideboards including transfers are at the right. Table 9 lists the total cod sideboard amounts in MT by area.

B. GOA Sideboard Harvest

Four vessels from the Akutan Catcher Vessel Association participated in GOA sideboard fisheries in 2019. No sideboard limits were exceeded by this Coop for 2019. Any additional harvest of GOA species by ACVA members was done on GOA exempt vessels.

TABLES 10 & 11:

Tables 10 & 11 summarize the Akutan Coop's harvest of GOA sideboards and the Associated PSC harvest.

TABLE 12:

Table 12 summarizes the GOA total sideboard harvest by Vessel in MT.

TABLE 8

AKUTAN CATCHER VESSEL ASSOCIATION

2019 GOA POLLOCK SIDEBOARD ALLOCATIONS BY AREA

Area / Species	Coop Sideboard Shares "A" Season (MT)	Inter Coop Transfers (MT)	"A" Sideboard Shares after Transfers (MT)
610 Pollock	190	0	190
620 Pollock	1,420	0	1,420
630 Pollock	665	0	665
Area / Species	Coop Sideboard Shares "B" Season (MT)	Inter Coop Transfers (MT)	"B" Sideboard Shares after Transfers (MT)
610 Pollock	190	0	190
620 Pollock	1,669	0	1,669
630 Pollock	308	0	308
Area / Species	Coop Sideboard Shares "C" Season (MT)	Inter Coop Transfers (MT)	"C" Sideboard Shares after Transfers (MT)
610 Pollock	2,600	0	2,600
620 Pollock	515	0	515
630 Pollock	1,021	0	1,021
Area / Species	Coop Sideboard Shares "D" Season (MT)	Inter Coop Transfers (MT)	"D" Sideboard Shares after Transfers (MT)
610 Pollock	2,600	0	2,600
620 Pollock	515	0	515
630 Pollock	1,021	0	1,021
Area / Species	Coop Sideboard Shares Annual (MT)	Inter Coop Transfers (MT)	Sideboard Shares after Transfers (MT)
640 Pollock	0	0	0
650 Pollock	0	0	0

TABLE 9

AKUTAN CATCHER VESSEL ASSOCIATION

2019 GOA COD SIDEBOARD ALLOCATIONS BY AREA

Area / Species	2019 Coop Sideboard Shares (MT)	Inter Coop Transfers (MT)	Sideboard Shares after Transfers (MT)
Pacific Cod Western	281	0	281
Pacific Cod Central	171	0	171
Pacific Cod Eastern	0	0	0

TABLE 10

AKUTAN CATCHER VESSEL ASSOCIATION

2019 GOA POLLOCK SIDEBOARD HARVEST BY AREA AND SPECIES

Vessel	610 Pollock A Harvest (MT)	610 Pollock B Harvest (MT)	610 Pollock C Harvest (MT)	610 Pollock D Harvest (MT)	2019 Totals (MT)
					0
					0
					0
Seasonal Allocation:	190	190	2,600	2,600	5,580
Unharvested Allocation	190	190	2,600	2,600	5,580

Vessel	620 Pollock A Harvest (MT)	620 Pollock B Harvest (MT)	620 Pollock C Harvest (MT)	620 Pollock D Harvest (MT)	2019 Totals (MT)
Viking Explorer		791			791
Columbia		678			678
					0
					0
Seasonal Allocation:	1,420	1,669	515	515	4,119
Unharvested Allocation	1,420	199	515	515	2,649

Vessel	630 Pollock A Harvest (MT)	630 Pollock B Harvest (MT)	630 Pollock C Harvest (MT)	630 Pollock D Harvest (MT)	2019 Totals (MT)
					0
					0
					0
Seasonal Allocation:	665	308	1,021	1,021	3,015
Unharvested Allocation	665	308	1,021	1,021	3,015

TABLE 11

AKUTAN CATCHER VESSEL ASSOCIATION

2019 GOA POLLOCK SIDEBOARD HARVEST AND PSC BYCATCH

Vessels	Pollock Harvest (MT)	Halibut Mortality (MT)	Red King Crab (N)	Bairdi (N)	Other Tanner (N)	Chinook (N)	Other Salmon (N)	Herring (MT)
Viking Explorer	791.42	0.00	0	0	0	7	0	0.00
Columbia	678.34	0.00	0	0	0	6	0	0.00

TABLE 12

AKUTAN CATCHER VESSEL ASSOCIATION

2019 GOA TOTAL SIDEBOARD HARVEST BY VESSEL (MT)

Name	Sideboard Species	Landed	Discard	Total
Columbia	Arrowtooth Central GOA	0.06	0.00	0.06
	FORAGE Gulf wide	0.00	0.00	0.00
	Pollock Central GOA 620 - B	673.43	4.91	678.34
	Squid Gulf wide	0.01	0.00	0.01

Name	Sideboard Species	Landed	Discard	Total
Viking Explorer	Arrowtooth Central GOA	0.02	0.20	0.02
	FORAGE Gulf wide	0.01	0.00	0.01
	Pollock Central GOA 620 - B	785.69	5.73	791.42
	Squid Gulf wide	0.02	0.00	0.02