

Report of  
the Akutan  
Catcher  
Vessel  
Association

2018

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**Presented to the  
North Pacific Fishery Management Council  
March 30, 2019**

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# 1. Akutan Catcher Vessel Association

## A. Cooperative Membership

Thirty-four member vessels made up the Akutan Catcher Vessel Association (ACVA) for the year 2018. 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 2018.

Vessel	2018 Coop %
ALDEBARAN	4.4107%
ARCTIC EXPLORER	5.5490%
ARCTIC RAM	1.1572%
ARCTURUS	4.6479%
BRISTOL EXPLORER	5.2970%
CAPE KIWANDA	1.5859%
COLUMBIA	4.3410%
DOMINATOR	5.2662%
EXCALIBUR II	1.5643%
GLADIATOR	4.9370%
GOLDEN DAWN	5.2744%
GOLDEN PISCES	0.8142%
LISA MELINDA	0.6593%
MAJESTY	2.9959%
MARCY J	0.5413%
MARGARET LYN	0.1027%
MARK I	0.1358%
NORTHERN PATRIOT	7.2550%
NORTHERN RAM	0.9447%
NORTHWEST EXPLORER	4.8296%
OCEAN EXPLORER	4.7994%
PACIFIC EXPLORER	4.5439%
PACIFIC RAM	0.6121%
PACIFIC VIKING	3.2820%
PEGASUS	2.0908%
ROYAL ATLANTIC	3.9395%
PERSEVERANCE	0.8887%
PREDATOR	0.5920%
RAVEN	2.1409%
ROYAL AMERICAN	2.9177%
SEEKER	1.1115%
SOVEREIGNTY	7.0737%
TRAVELER	0.1242%
VIKING EXPLORER	3.5743%
<b>Total</b>	<b>100.0000%</b>

## **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 submission and reconciliation of all weekly reports and 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 **33.240%** of the pollock available for directed fishing by the Bering Sea onshore sector. This resulted in a 2018 Bering Sea pollock allocation of **198,561 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, **18 MT** of pollock was left unharvested in this coop for 2018.

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. 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****2018 POLLOCK ALLOCATIONS AND HARVEST BY VESSEL**

2018 Total Pollock Allocation:

198,561

<b>Vessel</b>	<b>2018 Coop %</b>	<b>2018 Allocation (MT)</b>	<b>Vessel Harvest (MT)</b>	<b>Over/Under Allocation(MT)</b>
ALDEBARAN	4.4107%	8,758	8,962	(204)
ARCTIC EXPLORER	5.5490%	11,018	11,583	(565)
ARCTIC RAM	1.1572%	2,298	2,286	12
ARCTURUS	4.6479%	9,229	9,421	(192)
BRISTOL EXPLORER	5.2970%	10,518	16,080	(5,563)
CAPE KIWANDA	1.5859%	3,149	-	3,149
COLUMBIA	4.3410%	8,620	8,359	260
DOMINATOR	5.2662%	10,457	10,646	(189)
EXCALIBUR II	1.5643%	3,106	3,538	(432)
GLADIATOR	4.9370%	9,803	10,345	(542)
GOLDEN DAWN	5.2744%	10,473	10,857	(384)
GOLDEN PISCES	0.8142%	1,617	3,183	(1,566)
LISA MELINDA	0.6593%	1,309	1,249	60
MAJESTY	2.9959%	5,949	5,211	737
MARCY J	0.5413%	1,075	1,047	28
MARGARET LYN	0.1027%	204	-	204
MARK I	0.1358%	270	-	270
NORTHERN PATRIOT	7.2550%	14,406	14,824	(419)
NORTHERN RAM	0.9447%	1,876	-	1,876
NORTHWEST EXPLORER	4.8296%	9,590	9,455	135
OCEAN EXPLORER	4.7994%	9,530	897	8,632
PACIFIC EXPLORER	4.5439%	9,022	10,944	(1,922)
PACIFIC RAM	0.6121%	1,215	1,205	10
PACIFIC VIKING	3.2820%	6,517	6,893	(376)
PEGASUS	2.0908%	4,152	2,330	1,821
PERSEVERANCE	0.8887%	1,765	1,325	440
PREDATOR	0.5920%	1,176	-	1,176
RAVEN	2.1409%	4,251	2,636	1,615
ROYAL AMERICAN	2.9177%	5,793	6,681	(887)
ROYAL ATLANTIC	3.9396%	7,822	8,285	(463)
SEEKER	1.1115%	2,207	1,477	730
SOVEREIGNTY	7.0737%	14,046	14,357	(312)
TRAVELER	0.1242%	247	4,372	(4,126)
VIKING EXPLORER	3.5743%	7,097	7,453	(356)
SEADAWN (AM 69)	0.0000%	-	2,188	(2,188)
NORDIC STAR (AM 69)	0.0000%	-	60	(60)
DEFENDER-2 (AM 69)	0.0000%	-	392	(392)
<b>Totals</b>	<b>100.00%</b>	<b>198,561</b>	<b>198,543</b>	<b>18</b>

**TABLE 2****AKUTAN CATCHER VESSEL ASSOCIATION****2018 ACTUAL CATCH AND PSC BYCATCH IN DIRECTED POLLOCK FISHERY**

<b>Vessel</b>	<b>Pollock Harvest (MT)</b>	<b>Non Target Groundfish (MT)</b>	<b>Halibut Mort. (MT)</b>	<b>Red King Crab (N)</b>	<b>Bairdi (N)</b>	<b>Other Tanner (N)</b>	<b>Chinook (N)</b>	<b>Other Salmon (N)</b>	<b>Herring (MT)</b>
ALDEBARAN	8,962	79	0.00	0	0	0	93	768	7.26
ARCTIC EXPLORER	11,583	100	0.00	0	0	0	116	2,693	23.15
ARCTIC RAM	2,286	74	0.00	0	0	0	38	609	0.48
ARCTURUS	9,421	68	0.00	0	0	0	94	741	5.79
BRISTOL EXPLORER	16,080	275	0.00	0	0	0	112	1,928	24.43
COLUMBIA	8,359	62	0.02	0	0	0	102	652	0.77
DEFENDER	0	4	0.00	0	0	0	5	10	0.00
DOMINATOR	10,646	140	0.68	0	0	0	101	3,185	11.60
EXCALIBUR II	3,538	48	0.03	0	3	0	39	951	2.23
GLADIATOR	10,345	103	0.00	0	0	0	84	1,813	7.34
GOLDEN DAWN	10,857	179	0.02	0	6	0	114	1,308	2.52
GOLDEN PISCES	3,183	55	0.01	0	0	0	28	375	0.05
LISA MELINDA	1,249	18	0.00	0	0	0	14	1	0.08
MAJESTY	5,211	36	0.01	0	0	0	57	582	2.64
MARCY J	1,047	4	0.00	0	0	0	19	397	0.00
NORTHERN PATRIOT	14,824	186	1.59	0	0	0	201	1,561	6.81
NORTHWEST EXPLORER	9,455	83	0.00	0	0	0	72	1,927	5.47
OCEAN EXPLORER	897	2	0.00	0	0	0	14	0	0.00
PACIFIC EXPLORER	10,944	127	0.01	0	0	0	100	2,660	11.24
PACIFIC RAM	1,205	17	0.00	0	0	0	10	0	0.00
PACIFIC VIKING	6,893	76	0.02	0	0	0	66	832	0.01
PEGASUS	2,330	46	0.02	0	0	0	22	0	1.92
PERSEVERANCE	1,325	5	0.00	0	0	0	9	2	2.35
RAVEN	2,636	40	0.00	0	0	0	28	0	0.00
ROYAL AMERICAN	6,681	42	0.00	0	0	0	64	1,952	1.97
ROYAL ATLANTIC	8,285	81	0.04	0	0	0	68	2,676	10.84
SEEKER	1,477	16	0.01	0	0	0	10	0	0.00
SOVEREIGNTY	14,357	272	0.00	0	19	0	317	3,461	9.55
TRAVELER	4,372	37	0.03	0	0	0	42	1,078	0.74
VIKING EXPLORER	7,453	73	0.01	0	0	0	95	656	0.94
SEADAWN (AM 69)	2,188	10	0.00	0	0	0	22	202	0.00
NORDIC STAR (AM 69)	60	9	0.00	0	0	0	0	0	0.00
DEFENDER-2 (AM 69)	392	0	0.00	0	0	0	0	0	0.00
<b>TOTALS</b>	<b>198,543</b>	<b>2,369</b>	<b>2.48</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>2,156</b>	<b>33,020</b>	<b>140.17</b>
<b>TOTAL ALLOCATION</b>	<b>198,561</b>								
<b>REMAINING ALLOCATION</b>	<b>18</b>								

TABLE 3

## AKUTAN CATCHER VESSEL ASSOCIATION

## 2018 ACTUAL CATCH AND SIDEBOARD BYCATCH IN THE DIRECTED POLLOCK FISHERY

Vessel	Non-Target						
	Pollock Harvest (MT)	Groundfish (MT)	Pacific Cod (MT)	Sablefish (MT)	Atka Mackerel (MT)	Yellowfin Sole (MT)	Rock Sole (MT)
ALDEBARAN	8,962	78.87	24.90	3.90	14.26	1.86	5.45
ARCTIC EXPLORER	11,583	99.71	28.58	6.11	5.28	0.99	5.40
ARCTIC RAM	2,286	74.20	6.24	0.20	65.88	0.00	0.07
ARCTURUS	9,421	68.47	24.23	2.63	5.60	2.65	6.42
BRISTOL EXPLORER	16,080	275.48	63.52	9.32	4.69	1.31	13.25
COLUMBIA	8,359	62.34	24.19	2.42	0.18	0.32	2.62
DOMINATOR	10,646	4.38	61.82	9.46	0.74	0.31	2.41
EXCALIBUR II	3,538	140.30	31.33	1.01	4.72	0.05	0.25
GLADIATOR	10,345	47.52	48.15	13.29	0.36	0.22	1.67
GOLDEN DAWN	10,857	103.37	45.40	13.35	41.63	0.17	3.58
GOLDEN PISCES	3,183	179.08	13.54	1.44	33.71	0.01	0.84
LISA MELINDA	1,249	54.95	17.30			0.00	0.03
MAJESTY	5,211	17.96	18.80	1.11	3.47	0.14	1.41
MARCY J	1,047	35.61	2.13	0.15	0.04	0.00	0.06
NORTHERN PATRIOT	14,824	3.77	36.40	14.27	6.73	1.31	7.61
NORTHWEST EXPLORER	9,455	186.49	27.99	14.10	0.32	0.22	1.54
OCEAN EXPLORER	897	83.30	1.82	0.00			0.00
PACIFIC EXPLORER	10,944	1.89	52.36	11.72	7.28	1.14	3.44
PACIFIC RAM	1,205	126.64	15.63			0.02	0.32
PACIFIC VIKING	6,893	17.25	28.63	1.05	10.10	1.54	5.94
PEGASUS	2,330	75.83	33.14		0.00	0.56	5.98
PERSEVERANCE	1,325	46.15	4.36		0.00	0.02	0.22
RAVEN	2,636	5.29	31.90			0.12	2.72
ROYAL AMERICAN	6,681	39.76	21.43	2.02	0.05	0.07	1.51
ROYAL ATLANTIC	8,285	42.15	41.82	4.41	1.54	0.15	1.50
SEEKER	1,477	81.08	12.80			0.02	0.73
SOVEREIGNTY	14,357	16.12	68.62	12.13	68.98	0.31	2.93
TRAVELER	4,372	272.30	18.52	2.14	0.01	0.27	1.33
VIKING EXPLORER	7,453	37.01	25.88	5.44	7.29	0.07	1.59
SEADAWN (AM 69)	2,188	72.87	4.05	0.08		0.71	0.98
NORDIC STAR (AM 69)	60	10.13	0.02		7.66		
DEFENDER - 2 (AM 69)	392	9.03	0.10	0.12	0.00		0.02
<b>TOTALS</b>	<b>198,543</b>	<b>2,369.31</b>	<b>835.58</b>	<b>131.67</b>	<b>290.49</b>	<b>14.55</b>	<b>81.82</b>
<b>TOTAL ALLOCATION</b>	<b>198,561</b>						
<b>REMAINING ALLOCATION</b>	<b>18</b>						

### 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 2018. 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 31.25% of the Bering Sea cod sideboards available to the AFA non-exempt fleet. This resulted in a total 2018 pacific cod sideboard total of **10,041 MT** to the Akutan non-exempt fleet. Six-member vessels in the ACVA were Bering Sea exempt cod boats in 2018.

#### B. Cod Sideboard Transfers

The middle column of Table 4 shows the cod transfers that were made for 2018 for the Akutan Catcher Vessel Association. There was 1 cod sideboard transfer out of the Akutan coop in 2018.

#### 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 2018. The bottom of the table also shows the Bering Sea cod exempt vessels and their associated cod landings for 2018. 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 **2,180 MT** of non-exempt cod was left unharvested during 2018. As stated above, the total non-exempt sideboard allocation for 2018 was **10,041 MT**, of which 78% 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 once again low in 2018. A total of 28 MT, or 29%, 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

## 2018 BERING SEA PACIFIC COD SIDEBOARD ALLOCATIONS AND HARVEST

Vessel	Coop Cod	2018 Cod Sideboard Allocation (MT)	Inter Coop Transfers (MT)	Total Sideboard with Transfers	Vessel Harvest (MT)	(Over) / Under Allocation (MT)
Aldebaran	4.971%	499.14		499.14		499.14
Arctic Explorer	4.879%	489.94		489.94		489.94
Arcturus	4.339%	435.66		435.66		435.66
Cape Kiwanda	4.813%	483.23		483.23	283.25	199.98
Columbia	5.216%	523.74	-62.00	461.74		461.74
Dominator	4.536%	455.50		455.50	492.62	-37.12
Sovereignty	1.486%	149.19		149.19		149.19
Northern Patriot	0.719%	72.21		72.21		72.21
Excalibur II	1.528%	153.43		153.43		153.43
Gladiator	4.023%	403.92		403.92	556.73	-152.81
Golden Dawn	4.276%	429.31		429.31	675.65	-246.34
Arctic Ram	1.067%	107.13		107.13	160.96	-53.83
Lisa Meiinda	0.419%	42.06		42.06		42.06
Majesty	5.532%	555.48		555.48	718.29	-162.81
Northwest Explorer	4.205%	422.20		422.20	983.38	-561.18
Pacific Ram	1.383%	138.87		138.87		138.87
Pacific Viking	5.587%	561.04		561.04	516.67	44.37
Pegasus	4.947%	496.76		496.76	427.87	68.89
Raven	3.793%	380.90		380.90	755.69	-374.79
Royal American	5.698%	572.15		572.15	450.42	121.73
Royal Atlantic	7.103%	713.24		713.24	588.24	125.00
Viking Explorer	4.663%	468.19		468.19		468.19
Bristol Explorer	4.939%	495.89		495.89		495.89
Ocean Explorer	4.939%	495.90		495.90	917.02	-421.12
Pacific Explorer	4.939%	495.90		495.90	271.99	223.91
<b>Totals</b>	<b>100.000%</b>	<b>10,041.00</b>	<b>-62.00</b>	<b>9,979.00</b>	<b>7,798.78</b>	<b>2,180.22</b>

Exempt Vessels	2018 Cod Harvest
Northern Ram	155.98
Golden Pisces	476.63
Marcy J	
Perseverance	520.07
Predator	
Seeker	759.84
<b>Total (MT)</b>	<b>1,912.52</b>

TABLE 5

## AKUTAN CATCHER VESSEL ASSOCIATION

## 2018 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	588.24	608.15	19.92	2.31	0	0	0	0	0	0
Arcturus										
Cape Kiwanda	283.3	295.4	12.1	2.2	0	12	0	0	0	0
Columbia										
Dominator	492.6	508.7	16.1	3.4	0	1	0	2	0	0
Sovereignty										
Northern Patriot										
Excalibur II										
Gladiator	556.7	570.4	13.7	2.0	0	0	0	0	0	0
Golden Dawn	675.7	699.2	23.5	2.5	0	0	0	0	0	0
Arctic Ram	161.0	164.4	3.4	0.1	0	0	0	5	0	0
Lisa Melinda										
Majesty	718.3	734.4	16.1	2.7	0	0	0	8	0	0
Northwest Explorer	983.4	1009.4	26.0	0.4	0	0	0	0	0	0
Pacific Ram										
Pacific Viking	516.7	533.4	16.7	0.9	0	0	0	0	0	0
Pegasus	427.9	443.7	15.8	2.3	0	0	0	0	0	0
Raven	755.7	769.8	14.1	3.8	0	0	0	7	0	0
Royal American	450.4	464.1	13.6	2.6	0	10	0	1	0	0
Viking Explorer										
Bristol Explorer										
Ocean Explorer	917.0	930.7	13.7	2.0	0	62	0	0	0	0
Pacific Explorer	272.0	276.2	4.2	1.0	0	0	0	0	0	0
<b>TOTAL ALLOCATION</b>	<b>10,041</b>			<b>98.2</b>	<b>742</b>	<b>12,767</b>	<b>26,382</b>			
<b>TOTALS</b>	<b>7,798.8</b>	<b>8,007.7</b>	<b>208.9</b>	<b>28.4</b>	<b>0</b>	<b>84</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>0</b>

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

2018 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 2018. 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

#### 2018 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	24.87	0.03	24.90	14.26	0.00	14.26	1.86	0.00	1.86	5.30	0.15	5.45	3.85	0.10	3.95
Arctic Explorer	28.57	0.01	28.58	5.27	0.00	5.28	0.99	0.00	0.99	5.39	0.01	5.40	1.59	0.01	1.60
Arctic Ram	166.47	0.73	167.20	48.82	0.00	48.82	0.00	0.12	0.12	0.03	0.36	0.40	0.03	0.13	0.17
Arcturus	24.22	0.01	24.23	5.60	0.00	5.60	2.65	0.00	2.65	6.30	0.12	6.42	1.36	0.09	1.45
Bristol Explorer	63.29	0.23	63.52	4.15	0.54	4.69	1.31	0.00	1.31	13.20	0.06	13.25	3.12	0.04	3.16
Cape Kiwanda	280.82	0.41	281.23	0.00	0.00	0.00	0.00	0.03	0.03	0.00	1.38	1.38	0.00	0.80	0.80
Columbia	24.19	0.01	24.19	0.18	0.00	0.18	0.32	0.00	0.32	2.51	0.11	2.62	0.85	0.10	0.95
Defender-2 (AM 69)	0.10	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.07	0.01	0.08
Dominator	553.38	1.06	554.44	0.74	0.00	0.74	0.31	0.01	0.32	2.38	0.76	3.14	3.48	1.07	4.55
Excalibur II	31.18	0.16	31.33	4.72	0.00	4.72	0.05	0.00	0.05	0.21	0.04	0.25	0.50	0.04	0.54
Gladiator	603.90	0.97	604.87	0.36	0.00	0.36	0.22	0.01	0.23	1.59	1.00	2.59	1.80	1.16	2.97
Golden Dawn	719.88	1.17	721.05	41.63	0.00	41.63	0.17	0.02	0.19	3.49	1.56	5.05	2.88	1.52	4.40
Golden Pisces	489.06	1.11	490.17	32.42	1.29	33.71	0.02	0.10	0.12	0.81	1.31	2.12	0.29	0.94	1.23
Lisa Melinda	17.15	0.15	17.30	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.03	0.05	0.00	0.05
Majesty	735.34	1.75	737.09	3.47	0.00	3.47	0.14	0.14	0.29	1.36	1.32	2.68	0.75	1.20	1.95
Marcy J	2.13	0.00	2.13	0.04	0.00	0.04	0.00	0.00	0.00	0.04	0.03	0.06	0.10	0.02	0.12
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 (AM 69)	0.02	0.00	0.02	3.15	0.00	3.15	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
Northern Patriot	36.38	0.02	36.40	6.73	0.00	6.73	1.31	0.00	1.31	7.47	0.14	7.61	2.76	0.13	2.89
Northern Ram	155.73	0.25	155.98	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.45	0.45	0.00	0.36	0.36
Northwest Explorer	1,002.47	8.90	1,011.37	0.31	0.00	0.32	0.22	0.00	0.22	14.41	6.54	20.95	1.40	0.42	1.82
Ocean Explorer	914.23	4.61	918.84	0.00	0.00	0.00	0.00	0.00	0.00	0.08	4.93	5.01	0.01	0.35	0.36
Pacific Explorer	324.34	0.02	324.35	7.28	0.00	7.28	1.14	0.00	1.14	3.99	0.01	4.00	1.62	0.00	1.62
Pacific Ram	15.44	0.19	15.63	0.00	0.00	0.00	0.02	0.00	0.02	0.32	0.00	0.32	0.18	0.00	0.18
Pacific Viking	544.42	0.87	545.30	10.10	0.00	10.10	1.54	0.02	1.56	5.81	1.08	6.89	1.47	1.14	2.60
Pegasus	459.96	1.06	461.02	0.00	0.00	0.00	0.56	0.12	0.68	5.99	1.86	7.86	0.58	0.98	1.56
Perseverance	523.10	1.32	524.43	0.00	0.00	0.00	0.02	0.14	0.16	0.23	1.28	1.51	0.07	0.91	0.98
Predator	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
Raven	786.19	1.40	787.59	0.00	0.00	0.00	0.12	0.00	0.12	2.75	0.48	3.22	0.49	1.26	1.75
Royal American	471.14	0.71	471.85	0.04	0.00	0.05	0.07	0.03	0.09	1.43	1.50	2.94	0.99	1.17	2.16
Royal Atlantic	628.83	1.22	630.05	1.53	0.00	1.54	0.15	0.04	0.18	1.49	1.96	3.45	1.65	1.43	3.08
Seadawn (AM 69)	4.05	0.00	4.05	0.00	0.00	0.00	0.71	0.00	0.71	0.93	0.05	0.98	0.47	0.05	0.52
Seeker	770.82	1.83	772.64	0.00	0.00	0.00	0.02	0.17	0.19	0.74	1.70	2.44	0.16	1.33	1.50
Sovereignty	68.60	0.02	68.62	68.97	0.01	68.98	0.31	0.00	0.31	2.81	0.12	2.93	4.21	0.11	4.32
Traveler	18.51	0.01	18.52	0.01	0.00	0.01	0.27	0.00	0.27	1.31	0.02	1.33	0.69	0.01	0.70
Viking Explorer	25.87	0.00	25.88	7.29	0.00	7.29	0.07	0.00	0.07	1.49	0.10	1.59	2.10	0.09	2.20

TABLE 6 - CONTINUED

AKUTAN CATCHER VESSEL ASSOCIATION

2018 BSAI TOTAL SIDEBOARD 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	0.02	0.00	0.02	1.24	0.00	1.24	8.40	1.73	10.12	0.06	0.01	0.08	0.02	0.00	0.02
Arctic Explorer	0.01	0.00	0.01	3.94	0.00	3.94	17.73	3.41	21.14	0.43	0.01	0.44	0.00	0.00	0.00
Arctic Ram	0.00	0.00	0.00	0.00	0.49	0.49	0.19	0.41	0.60	0.01	0.00	0.01	0.00	0.00	0.00
Arcturus	0.04	0.00	0.04	0.97	0.00	0.98	5.40	1.85	7.25	0.05	0.01	0.06	0.00	0.00	0.00
Bristol Explorer	0.05	0.00	0.05	2.82	0.01	2.82	111.18	3.97	115.16	0.08	0.07	0.15	0.05	0.00	0.05
Cape Kiwanda	0.00	0.09	0.09	0.00	0.27	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Columbia	0.01	0.00	0.01	0.54	0.00	0.55	12.10	1.32	13.42	0.11	0.01	0.12	0.01	0.00	0.01
Defender-2 (AM 69)	0.00	0.00	0.00	0.33	0.00	0.33	0.05	0.04	0.09	0.00	0.00	0.01	0.01	0.00	0.01
Dominator	0.00	0.07	0.07	3.80	0.25	4.04	16.04	2.50	18.54	0.03	0.01	0.05	0.01	0.00	0.01
Excalibur II	0.00	0.00	0.00	0.11	0.00	0.11	4.29	0.71	5.00	0.05	0.00	0.05	0.00	0.00	0.00
Gladiator	0.00	0.08	0.08	2.22	0.27	2.49	13.80	1.64	15.44	0.05	0.01	0.06	0.02	0.00	0.02
Golden Dawn	0.00	0.11	0.12	3.24	0.38	3.62	34.52	2.17	36.69	0.29	0.01	0.31	0.03	0.00	0.03
Golden Pisces	0.00	0.07	0.07	0.04	0.59	0.62	1.25	1.12	2.37	0.09	0.00	0.09	0.02	0.00	0.02
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	0.00	0.00	0.00
Majesty	0.00	0.08	0.08	0.18	0.81	0.99	2.17	1.17	3.34	0.05	0.01	0.06	0.00	0.00	0.00
Marcy J	0.00	0.00	0.00	0.08	0.00	0.08	0.37	0.32	0.69	0.01	0.00	0.02	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 (AM 69)	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.03	1.32	0.01	0.00	0.01	0.00	0.00	0.00
Northern Patriot	0.01	0.00	0.01	4.40	0.00	4.40	31.53	3.59	35.12	0.06	0.13	0.19	0.03	0.00	0.03
Northern Ram	0.00	0.03	0.03	0.00	0.10	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northwest Explorer	0.01	0.00	0.01	1.56	0.01	1.57	14.10	2.55	16.66	0.26	2.85	3.11	0.00	0.00	0.00
Ocean Explorer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	2.30	0.00	0.00	0.00
Pacific Explorer	0.24	0.00	0.24	0.90	0.00	0.90	9.05	2.76	11.80	0.06	0.01	0.06	0.00	0.00	0.00
Pacific Ram	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pacific Viking	0.05	0.08	0.13	0.40	0.26	0.66	8.41	0.71	9.12	0.05	0.01	0.06	0.05	0.00	0.05
Pegasus	0.01	0.10	0.11	0.15	0.68	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perseverance	0.00	0.07	0.07	0.01	0.74	0.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Predator	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
Raven	0.00	0.07	0.07	0.09	0.24	0.33	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Royal American	0.00	0.10	0.10	0.69	0.33	1.01	0.95	1.48	2.43	0.03	0.01	0.05	0.01	0.00	0.01
Royal Atlantic	0.00	0.13	0.14	0.83	0.43	1.27	6.54	2.11	8.65	0.05	0.01	0.05	0.00	0.00	0.00
Seadawn (AM 69)	0.02	0.00	0.02	0.05	0.00	0.05	0.12	0.14	0.26	0.00	0.02	0.03	0.00	0.00	0.00
Seeker	0.00	0.10	0.10	0.02	0.95	0.96	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Sovereignty	0.01	0.00	0.01	2.03	0.00	2.04	82.84	3.00	85.84	4.82	0.01	4.84	0.05	0.00	0.05
Traveler	0.00	0.00	0.00	0.44	0.00	0.44	8.27	0.48	8.75	0.05	0.00	0.05	0.00	0.00	0.00
Viking Explorer	0.00	0.00	0.00	1.78	0.00	1.78	15.62	1.45	17.08	0.06	0.01	0.07	0.03	0.00	0.03

TABLE 6 - CONTINUED

## AKUTAN CATCHER VESSEL ASSOCIATION

## 2018 BSAI TOTAL SIDEBOARD HARVEST BY VESSEL

Vessel	Rougheye (MT)			BS Other Rockfish (MT)			Flathead Sole (MT)			AJ POP (MT)		
	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total	Landed	Discard	Total
Aldebaran	0.00	0.00	0.00	0.00	0.01	0.01	5.19	0.00	5.19	0.00	0.00	0.00
Arctic Explorer	0.01	0.00	0.01	0.00	0.04	0.04	4.07	0.00	4.07	0.00	0.00	0.00
Arctic Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.13	0.39	0.00	0.00	0.00
Arcturus	0.00	0.00	0.00	0.00	0.02	0.02	5.74	0.00	5.74	0.00	0.00	0.00
Bristol Explorer	0.04	0.00	0.04	0.01	0.04	0.05	7.12	0.00	7.12	0.00	0.00	0.00
Cape Kiwanda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	1.07	0.00	0.00	0.00
Columbia	0.00	0.00	0.00	0.00	0.01	0.01	2.16	0.00	2.16	0.00	0.00	0.00
Defender-2 (AM 69)	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.15	0.00	0.00	0.00
Dominator	0.01	0.00	0.01	0.01	0.03	0.04	5.90	0.83	6.72	0.00	0.00	0.00
Excalibur II	0.00	0.00	0.00	0.00	0.01	0.01	1.94	0.00	1.94	0.00	0.00	0.00
Gladiator	0.00	0.00	0.00	0.00	0.03	0.03	3.95	0.84	4.79	0.00	0.00	0.00
Golden Dawn	0.01	0.00	0.01	0.00	0.04	0.04	3.57	1.26	4.82	0.00	0.00	0.00
Golden Pisces	0.00	0.00	0.00	0.00	0.01	0.01	0.97	0.95	1.92	0.00	0.00	0.00
Lisa Melinda	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00	0.45	0.00	0.00	0.00
Majesty	0.00	0.00	0.00	0.00	0.02	0.02	2.65	0.98	3.63	0.00	0.00	0.00
Marcy J	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.11	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 (AM 69)	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	0.02	0.03	0.05	6.78	0.00	6.78	0.00	0.00	0.00
Northern Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.37	0.00	0.00	0.00
Northwest Explorer	0.01	0.04	0.05	0.00	0.02	0.03	1.74	0.27	2.01	0.00	0.05	0.05
Ocean Explorer	0.00	0.04	0.04	0.00	0.00	0.00	0.07	0.20	0.27	1.13	0.04	1.17
Pacific Explorer	0.00	0.00	0.00	0.00	0.03	0.03	9.47	0.01	9.48	0.00	0.00	0.00
Pacific Ram	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.00	0.92	0.00	0.00	0.00
Pacific Viking	0.01	0.00	0.01	0.00	0.01	0.01	2.99	0.85	3.84	0.00	0.00	0.00
Pegasus	0.00	0.00	0.00	0.00	0.00	0.00	2.45	1.34	3.80	0.00	0.00	0.00
Perseverance	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.97	1.48	0.00	0.00	0.00
Predator	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	0.01	0.01	3.07	0.60	3.67	0.00	0.00	0.00
Royal American	0.00	0.00	0.00	0.00	0.02	0.02	2.67	1.23	3.90	0.00	0.00	0.00
Royal Atlantic	0.00	0.00	0.00	0.00	0.03	0.03	5.17	1.58	6.75	0.00	0.00	0.00
Seadawn (AM 69)	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	1.44	0.00	0.00	0.00
Seeker	0.00	0.00	0.00	0.00	0.01	0.01	1.52	1.32	2.84	0.00	0.00	0.00
Sovereignty	0.00	0.00	0.00	0.00	0.04	0.04	2.95	0.00	2.95	0.00	0.00	0.00
Traveler	0.00	0.00	0.00	0.00	0.01	0.01	2.39	0.00	2.39	0.00	0.00	0.00
Viking Explorer	0.01	0.00	0.01	0.00	0.01	0.01	2.88	0.00	2.88	0.00	0.00	0.00

TABLE 6 - CONTINUED

## AKUTAN CATCHER VESSEL ASSOCIATION

## 2018 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	3.99	0.27	4.26	0.00	0.00	0.00	0.01	0.41	0.42	0.01	0.00	0.01
Arctic Explorer	17.14	0.83	17.97	0.00	0.00	0.00	0.00	0.97	0.97	0.03	0.00	0.03
Arctic Ram	0.17	0.03	0.20	0.00	0.00	0.00	0.00	0.11	0.11	0.00	0.00	0.00
Arcturus	9.42	0.31	9.73	0.00	0.00	0.00	0.00	0.45	0.46	0.02	0.00	0.02
Bristol Explorer	48.89	1.00	49.90	0.00	0.00	0.00	0.14	1.18	1.32	0.18	0.00	0.18
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	12.52	0.18	12.70	0.00	0.00	0.00	0.00	0.34	0.34	0.00	0.00	0.00
Defender-2 (AM 69)	3.35	0.01	3.37	0.00	0.00	0.00	0.00	0.01	0.01	0.05	0.00	0.05
Dominator	27.02	0.53	27.55	0.00	0.00	0.00	0.01	0.70	0.71	0.24	0.00	0.24
Excalibur II	0.48	0.14	0.63	0.00	0.00	0.00	0.02	0.23	0.25	0.00	0.00	0.00
Gladiator	9.85	0.61	10.46	0.00	0.00	0.00	0.11	0.57	0.68	0.14	0.00	0.14
Golden Dawn	21.12	0.64	21.75	0.00	0.00	0.00	0.39	0.66	1.05	0.20	0.00	0.20
Golden Pisces	0.13	0.04	0.16	0.00	0.00	0.00	0.00	0.30	0.30	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	1.13	0.26	1.40	0.00	0.00	0.00	0.01	0.35	0.36	0.00	0.00	0.00
Marcy J	0.07	0.02	0.09	0.00	0.00	0.00	0.00	0.08	0.08	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 (AM 69)	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	60.41	0.72	61.14	0.00	0.00	0.00	0.00	0.78	0.79	0.21	0.00	0.21
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	14.52	0.56	15.08	0.00	0.55	0.55	0.08	0.85	0.93	0.12	0.00	0.12
Ocean Explorer	0.00	0.00	0.00	0.04	0.45	0.50	0.00	0.00	0.00	0.00	0.00	0.00
Pacific Explorer	23.20	0.73	23.93	0.00	0.00	0.00	0.07	0.89	0.96	0.02	0.00	0.02
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	9.25	0.08	9.33	0.00	0.00	0.00	0.00	0.19	0.19	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
Predator	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	7.33	0.24	7.57	0.00	0.00	0.00	0.49	0.36	0.85	0.00	0.00	0.00
Royal Atlantic	10.81	0.53	11.33	0.00	0.00	0.00	0.02	0.66	0.68	0.02	0.00	0.02
Seadawn (AM 69)	0.75	0.02	0.77	0.00	0.00	0.00	0.00	0.00	0.00	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	10.91	0.83	11.74	0.00	0.00	0.00	0.11	0.81	0.92	0.00	0.00	0.00
Traveler	0.69	0.26	0.95	0.00	0.00	0.00	1.09	0.24	1.33	0.00	0.00	0.00
Viking Explorer	4.36	0.15	4.51	0.00	0.00	0.00	0.00	0.32	0.32	0.00	0.00	0.00

## 4. Bering Sea Salmon Bycatch Management

Chinook and Chum Salmon Rolling Hotspot programs were once again in place for 2018 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 2018 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 more consistent than A Season and allowed the plant to maximize their product mix.

Squid and Herring bycatch was not an issue in 2018 as it had been in previous years allowing 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 2018.

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 testing a "live" video system and hopes to expand "live" video to more vessels in 2019.

The Akutan Catcher Vessel Association has received no notices from Sea State that we might have possible salmon closed area violations during 2018.

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

## 2018 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	8,962	72	21	-	768
ARCTIC EXPLORER	11,583	40	76	-	2,692
ARCTIC RAM	2,286	9	29	-	609
ARCTURUS	9,421	46	48	1	740
BRISTOL EXPLORER	16,080	59	53	3	1,922
COLUMBIA	8,359	64	38	-	652
DOMINATOR	10,646	41	60	2	3,182
EXCALIBUR II	3,538	11	28	-	951
GLADIATOR	10,345	25	59	1	1,812
GOLDEN DAWN	10,857	38	76	2	1,315
GOLDEN PISCES	3,183	4	24	-	375
LISA MELINDA	1,249	14	-	1	-
MAJESTY	5,211	15	42	3	578
MARCY J	1,047	-	19	-	396
NORTHERN PATRIOT	14,824	120	81	1	1,560
NORTHWEST EXPLORER	9,455	28	44	2	1,931
OCEAN EXPLORER	897	14	-	-	-
PACIFIC EXPLORER	10,944	35	65	2	2,657
PACIFIC RAM	1,205	10	-	-	-
PACIFIC VIKING	6,893	15	51	-	832
PEGASUS	2,330	22	-	-	-
PERSEVERANCE	1,325	9	-	2	-
RAVEN	2,636	28	-	-	-
ROYAL AMERICAN	6,681	18	46	-	1,952
ROYAL ATLANTIC	8,285	32	36	1	2,675
SEEKER	1,477	10	-	-	-
SOVEREIGNTY	14,357	185	132	2	3,452
TRAVELER	4,372	15	27	-	1,078
VIKING EXPLORER	7,453	69	26	3	653
SEADAWN (AM 69)	2,188	6	16	-	202
NORDIC STAR (AM 69)	60	-	-	-	-
DEFENDER-2 (AM 69)	392	-	5	-	10
<b>Total</b>	<b>198,543</b>	<b>1,054</b>	<b>1,102</b>	<b>26</b>	<b>32,994</b>

## 5. Gulf of Alaska Sideboards

### A. GOA Sideboard Allocations

Sideboards were established for the major target fisheries in the Gulf of Alaska. For 2018, 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 2018 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 2018. No sideboard limits were exceeded by this Coop for 2018. 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

## 2018 GOA POLLOCK SIDEBOARD ALLOCATIONS BY AREA

<b>Area / Species</b>	<b>Coop Sideboard Shares "A" Season (MT)</b>	<b>Inter Coop Transfers (MT)</b>	<b>"A" Sideboard Shares after Transfers (MT)</b>
610 Pollock	295	0	295
620 Pollock	1,670	0	1,670
630 Pollock	790	0	790
<b>Area / Species</b>	<b>Coop Sideboard Shares "B" Season (MT)</b>	<b>Inter Coop Transfers (MT)</b>	<b>"B" Sideboard Shares after Transfers (MT)</b>
610 Pollock	295	0	295
620 Pollock	1,965	0	1,965
630 Pollock	366	0	366
<b>Area / Species</b>	<b>Coop Sideboard Shares "C" Season (MT)</b>	<b>Inter Coop Transfers (MT)</b>	<b>"C" Sideboard Shares after Transfers (MT)</b>
610 Pollock	3,091	0	3,091
620 Pollock	612	0	612
630 Pollock	1,214	0	1,214
<b>Area / Species</b>	<b>Coop Sideboard Shares "D" Season (MT)</b>	<b>Inter Coop Transfers (MT)</b>	<b>"D" Sideboard Shares after Transfers (MT)</b>
610 Pollock	3,091	0	3,091
620 Pollock	612	0	612
630 Pollock	1,214	200	1,014
<b>Area / Species</b>	<b>Coop Sideboard Shares Annual (MT)</b>	<b>Inter Coop Transfers (MT)</b>	<b>Sideboard Shares after Transfers (MT)</b>
640 Pollock	0	0	0
650 Pollock	0	0	0

TABLE 9

## AKUTAN CATCHER VESSEL ASSOCIATION

## 2018 GOA COD SIDEBOARD ALLOCATIONS BY AREA

<b>Area / Species</b>	<b>2018 Coop Sideboard Shares (MT)</b>	<b>Inter Coop Transfers (MT)</b>	<b>Sideboard Shares after Transfers (MT)</b>
Pacific Cod Western	300	0	300
Pacific Cod Central	181	0	181
Pacific Cod Eastern	0	0	0

TABLE 10

AKUTAN CATCHER VESSEL ASSOCIATION

2018 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)	2018 Totals (MT)
					0
					0
					0
Seasonal Allocation:	295	295	3,091	3,091	6,772
Unharvested Allocation	295	295	3,091	3,091	6,772

Vessel	620 Pollock A Harvest (MT)	620 Pollock B Harvest (MT)	620 Pollock C Harvest (MT)	620 Pollock D Harvest (MT)	2018 Totals (MT)
Majesty	499				499
Viking Explorer		651		264	915
Northern Ram	100				100
Columbia		777			777
Seasonal Allocation:	1,670	1,965	612	612	4,859
Unharvested Allocation	1,171	537	612	348	2,668

Vessel	630 Pollock A Harvest (MT)	630 Pollock B Harvest (MT)	630 Pollock C Harvest (MT)	630 Pollock D Harvest (MT)	2018 Totals (MT)
Majesty					0
Columbia					0
Viking Explorer				370	370
Seasonal Allocation:	790	366	1,214	1,014	3,384
Unharvested Allocation	790	366	1,214	644	3,014

TABLE 10 - CONTINUED

AKUTAN CATCHER VESSEL ASSOCIATION

2018 GOA OTHER SIDEBOARD HARVEST BY AREA AND SPECIES

Vessel	Pacific Cod Western (MT)	Pacific Cod Central (MT)	Pacific Cod Eastern (MT)
Majesty	0	0.2	0
Columbia	0	0.4	0
Northern Ram	0	0.0	0
Viking Explorer	0	1.4	0
Seasonal Allocation	300	181	0
Unharvested Allocation	300	179	0

TABLE 11

AKUTAN CATCHER VESSEL ASSOCIATION

2018 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)
Majesty	499.20	0.00	0	0	0	90	1	0.00
Viking Explorer	1,284.74	0.64	0	0	0	63	201	0.06
Northern Ram	99.61	0.00	0	0	0	15	0	0.00
Columbia	777.31	0.00	0	0	0	17	0	0.00

TABLE 12

AKUTAN CATCHER VESSEL ASSOCIATION

2018 GOA TOTAL SIDEBOARD HARVEST BY VESSEL (MT)

Name	Sideboard Species	Landed	Discard	Total
Columbia	Arrowtooth Central GOA	1.51	0.00	1.51
	Fiathead Central GOA	0.16	0.00	0.16
	FORAGE Gulf wide	1.13	0.00	1.13
	Pcod Central GOA	0.04	0.00	0.04
	Pollock Central GOA 620 - B	777.31	11.86	789.17
	POP Central GOA	0.01	0.00	0.01
	Rougheye Central GOA	0.04	0.00	0.04
	Sharks Gulf wide	0.01	0.00	0.01
	Squid Gulf wide	0.02	0.00	0.02

Name	Sideboard Species	Landed	Discard	Total
Majesty	Arrowtooth Central GOA	0.03	0.00	0.03
	DSR Central GOA	0.01	0.00	0.01
	Fiathead Central GOA	0.01	0.00	0.01
	FORAGE Gulf wide	0.02	0.00	0.02
	LongnoseSkate Central GOA	0.01	0.00	0.01
	Pcod Central GOA	0.02	0.00	0.02
	Pollock Central GOA 620 - A	499.20	6.27	505.46
	POP Central GOA	0.01	0.00	0.01
	Slope Central GOA	0.00	0.01	0.01

Name	Sideboard Species	Landed	Discard	Total
Northern Ram	Arrowtooth Central GOA	0.01	0.00	0.01
	Pollock Central GOA 620 - A	99.61	1.29	100.90

TABLE 12 - CONTINUED

AKUTAN CATCHER VESSEL ASSOCIATION

2018 GOA TOTAL SIDEBOARD HARVEST BY VESSEL (MT)

<b>Name</b>	<b>Sideboard Species</b>	<b>Landed</b>	<b>Discard</b>	<b>Total</b>
<b>Viking Explorer</b>	Arrowtooth Central GOA	0.90	0.20	1.10
	BigSkate Central GOA	0.02	0.00	0.02
	Flathead Central GOA	0.03	0.00	0.03
	FORAGE Gulf wide	0.32	0.00	0.32
	Pcod Central GOA	1.43	0.00	1.43
	Pollock Central GOA 620 - B	650.55	9.91	660.45
	Pollock Central GOA 620 - D	264.41	1.99	266.41
	Pollock Central GOA 630 - D	369.78	0.77	370.54
	POP Central GOA	33.78	6.66	40.44
	PSR Central GOA	0.00	0.04	0.04
	Rex Central GOA	0.01	0.00	0.01
	Rougheye Central GOA	0.01	0.00	0.01
	Sablefish Central GOA	0.19	0.95	1.15
	Sharks Gulf wide	0.01	0.30	0.31
	Slope Central GOA	0.00	0.02	0.02
	Squid Gulf wide	0.01	0.00	0.01