

2019

ANNUAL REPORT FOR THE UNALASKA FLEET COOPERATIVE

PRESENTED TO THE NORTH PACIFIC FISHERIES MANAGEMENT COUNCIL

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TABLE OF CONTENTS

	PAGE
I INTRODUCTION	1
II UNALASKA FLEET COOPERATIVE	1
A. Membership	1
B. Co-op Management	2
III AFA POLLOCK	3
A. Allocation of Bering Sea Pollock	3
B. Allocation of Bering Sea Pollock to the Inshore Cooperatives	4
C. UFC Member Vessel Initial Pollock Allocations	5
D. UFC Intra Cooperative Transfers, Contract Fishing, and Harvest of Directed Pollock	6
E. UFC AFA Directed Pollock Fishery Catch and Bycatch	8
IV SIDEBOARD LIMITS, ALLOCATIONS, AND CATCH	9
A. BSAI Sideboard Limits, Intercooperative Transfers, and Directed Catch	10
B. GOA Sideboard Limits, Intercooperative Transfers, and Directed Catch	13
V UFC MONITORING AND ENFORCEMENT	18
ATTACHMENT 1.	

LIST OF EXHIBITS

	PAGE
EXHIBIT 1. 2019 Unalaska Fleet Cooperative Membership with Length Overall, AFA Permit #, and Sideboard Status	2
EXHIBIT 2. 2019 Allocation of Pollock TAC to Directed Pollock Fisheries and CDQ Directed Fishing Allowances	3
EXHIBIT 3. Percent Distribution of Inshore Pollock Allocation between the seven inshore AFA Pollock Cooperatives	4
EXHIBIT 4. UFC Member Vessel Initial BSAI Pollock Allocations Expressed as Inshore Percentages, Co-op Percentages, and in MT for 2019	5
EXHIBIT 5. 2019 UFC BSAI Pollock Contract Fishing Schedule	6
EXHIBIT 6. 2019 UFC Member Vessel Directed Bering Sea Pollock Allocations, Intra Cooperative Transfers, Contract Fishing, Directed Harvest, and Discards	7
EXHIBIT 7. 2019 UFC Directed Bering Sea Pollock Catch and Bycatch	8
EXHIBIT 8. UFC 2019 Salmon Bycatch by Season and Dirty 20 Appearances in the Directed Bering Sea Pollock Fishery	9
EXHIBIT 9. Transfers of UFC 2019 BSAI Pacific Cod Sideboards and Halibut PSC	10
EXHIBIT 10. UFC Member Vessel Directed Bering Sea Pacific Cod Sideboards, Inter & Intra Cooperative Transfers, & Catch	11
EXHIBIT 11. UFC 2019 Bycatch In the Directed Bering Sea Pacific Cod Sideboard Fishery	11
EXHIBIT 12. 2019 UFC BSAI Sideboard Limits, Intercooperative Transfers, and Aggregate Catch	12
EXHIBIT 13. 2019 GOA Intercoop Sideboard Transfers to and from UFC	13
EXHIBIT 14. 2019 UFC GOA Directed Fisheries Sideboard Allocations, Transfers, Rollovers, and Directed Catch	14
EXHIBIT 15. 2019 GOA Directed Pollock Fishing Catch and Bycatch by Area and Season	15
EXHIBIT 16. 2019 GOA Directed Pacific Cod Fishing Catch and Bycatch by Area and Season	15
EXHIBIT 17. 2019 GOA Directed Arrowtooth Fishing Catch and Bycatch by Area and Season	16
EXHIBIT 18. 2019 GOA Directed Shallow water Flatfish Fishing Catch and Bycatch by Area and Season	16
EXHIBIT 19. 2019 GOA Directed Rex Sole Catch and Bycatch by Area and Season	16
EXHIBIT 20. UFC 2019 GOA Sideboard Aggregate Species Catch and Bycatch	17
ATTACHMENT 1 Unalaska Fleet Cooperative Membership Agreement	

I. INTRODUCTION

The 1998 American Fisheries Act (AFA) allowed for the rationalization of the Bering Sea Pollock fishery by providing an avenue for the creation of cooperatives, and thus the Unalaska Fleet Cooperative (UFC) . The cooperative structure serves to eliminate the ‘race for fish’ and promote efficiency, economic stability, and safety for participants. The Unalaska Fleet Cooperative was formed in December of 1999 with the objective of creating flexible fishing strategies to reduce bycatch and maximize the utilization of all species in a fishery.

In compliance with AFA regulations, the Unalaska Fleet Cooperative submits this report as a summary of harvest and performance for the 2019 fishing season.

Catch figures are compiled from the best available source, either actual fish ticket information or extrapolations from NMFS observer data, and are included in sections III (AFA Pollock) and IV (Sideboards) in both the Bering Sea and Gulf of Alaska. Included under Section III are tables which list the distribution and catch of AFA Pollock and prohibited species catch (PSC) on a vessel by vessel basis as well as any associated contract fishing and transfer schedules. Section IV of this report lists sideboard allocations for the Bering Sea and Gulf of Alaska. The included tables show directed fishery participation and associated PSC on a per vessel basis as well as aggregate groundfish bycatch.

II. UNALASKA FLEET COOPERATIVE

A. Membership

In accordance with the American Fisheries Act section 2 (10)(b), management representing nine catcher vessels signed the Unalaska Fleet Cooperative Membership Agreement (Exhibit 1) (Attachment 1) in association with Alyeska Seafoods Inc. for the 2019 fishing year. In turn, vessels receive a specific allocation of pollock in the Bering Sea and Aleutian Islands according to their historical catch in 1995,1996, and 1997 as published in 50 CFR 679 Table 47C. Through improved fleet monitoring, pooling of resources, and use of the latest technology, co-op members strive to reduce bycatch and increase target species utilization, thereby allowing for a safer and more efficient operations.

EXHIBIT 1. 2019 Unalaska Fleet Cooperative Membership with Length Overall, AFA Permit #, and Sideboard Status

MEMBER	VESSEL	LOA	AFA PERMIT #	SIDEBOARD STATUS
Alaska Rose, Alaska LLC	Alaska Rose	124'	515	Non exempt
Bering Rose, Alaska LLC	Bering Rose	124'	516	Non exempt
Destination , Alaska LLC	Destination	180'	3988	Non exempt
Great Pacific, Alaska LLC	Great Pacific	124'	511	Non exempt
Sea Wolf, Alaska LLC	Sea Wolf	143'	1652	Non exempt
Dona Martita LLC*	Northern Defender	148'	208	Non exempt
Vanguard Partnership	Vanguard	98'	519	BSAI Cod - Mothership
F/V Western Dawn, LLC	Western Dawn	113'	134	BSAI Cod - Mothership
Ms Amy and Messiah, Alaska LLC	Messiah	83'	6081	BSAI Cod - Exempt

* The F/V Morning Star vessel name changed to the F/V Northern Defender in 2018. It will be referred to as the F/V Northern Defender for the remainder of this report.

B. Co-op Management

The Co-op contracted a manager to assist in the implementation of fishing strategies which maximize resource utilization, bycatch reduction, and promote safety within the fishery. The manager relayed information between member vessels and Alyeska Seafoods Inc. regarding allocations, transfers, pollock catches, sideboard catches, and PSC. The manager distributed pollock allocations using vessel inshore percentages as published by NMFS and set seasonal and area caps to meet NMFS regulations for Stellar Sea Lions.

In an effort to reduce salmon bycatch, member vessels participated in both the Salmon Savings Incentive Plan Agreement (SSIP) and the Rolling Hotspot Closure System within the Intercooperative Agreement (ICA). The co-op manager facilitated compliance with the guidelines set forth in these programs by providing the fleet with the most up to date information made available from our own records and fleet wide data from Sea State Inc. Please refer to section V of this report for further information on member vessel compliance within each of these programs.

As part of our goal for improved utilization, the co-op manager filed transfer agreements between members within the co-op, as well as Amendment 69 contract fishing documents for harvest by members outside of our co-op. The F/V Alaskan Defender, F/V Defender, and F/V Chelsea K contracted with UFC and delivered a total of 1,589 MT of pollock from the BSAI during 2019. The F/V Northern Defender was the only UFC member contracted to deliver outside the coop for 2019. They landed 1,301 MT of pollock from the BSAI between the Westward and Unisea Cooperatives (Exhibit 5). All Pollock landings during the 2019 fishing season were made within the state of Alaska.

III. AFA Pollock

A. Allocation of Bering Sea Pollock

The total 2019 TAC for Pollock was set at 1,416,000 MT, of which 1,397,000 MT was allocated to the Bering Sea and 19,000 MT to the Aleutian Islands. There was a subsequent rollover of 14,600 MT from the Aleutian Islands to the Bering Sea in 2019. The Incidental Catch Allowance (ICA) of 3.7% was calculated after subtracting the CDQ DFA of 10% from the TAC. The remainder is then divided among the AFA inshore, offshore, and mothership fleets (Exhibit 2).

EXHIBIT 2. 2019 Allocation of Pollock TAC to Directed Pollock Fisheries and CDQ Directed Fishing Allowances (MT) in the Bering Sea

TAC	1,397,000
CDQ	139,700
INCIDENTAL CATCH ALLOWANCE (ICA)	46,520
* OFFSHORE - 40%	490,152
* MOTHERSHIP - 10%	122,538
*INSHORE - 50%	612,690

* Amounts calculated after deductions for CDQ and ICA. A rollover from the AI occurred in the B season for 14,600 mt.

TAC and directed fisheries allowances are as listed at:

<https://www.federalregister.gov/documents/2019/03/13/2019-04539/fisheries-of-the-exclusive-economic-zone-off-alaska-bering-sea-and-aleutian-islands-final-2019-and#p-32>

B. Allocation of Bering Sea Pollock to the Inshore Cooperatives

Seven cooperatives comprised the inshore sector in 2019. There were no vessels participating in Open Access this year. The allocation to each cooperative is based on the sum of each of its member's individual allocations, which was based upon catch from the best two of three years 1995-1997.

EXHIBIT 3. Percent Distribution of Inshore Pollock Allocation between the seven inshore AFA Pollock Cooperatives

COOPERATIVE	% of INSHORE ALLOCATION	2019 FINAL ALLOCATIONS (MT)
Akutan Catcher Vessel Association	33.788%	207,014
Arctic Enterprise Association	0.000%	-
Northern Victor Cooperative	10.605%	64,977
Peter Pan Cooperative	2.680%	16,419
Unalaska Fleet Cooperative	11.454%	70,174
Unisea Fleet Cooperative	22.094%	135,369
Westward Fleet Cooperative	19.380%	118,737
Open Access	0.000%	-
TOTAL	100.00%	612,691

Inshore cooperative allocations are listed at:

<https://www.fisheries.noaa.gov/alaska/sustainable-fisheries/alaska-fisheries-management-reports#american-fisheries-act>

C. UFC Member Vessel Initial Pollock Allocations

Vessels in the cooperative received initial allocations based on their catch histories in the best two of three years in 1995-1997. UFC member vessels initial allocation of AFA Pollock totaled 70,175 MT. Allocations are expressed as percentage of the inshore AFA CV fleet, percentage within the co-op, and in tonnage.

EXHIBIT 4. UFC Member Vessel Initial BSAI Pollock Allocations Expressed as Inshore Percentages, Co-op Percentages, and in MT for 2019

VESSEL	INSHORE %	COOP %	2019 MT
Alaska Rose	1.6835%	14.6984%	10,314.6362
Bering Rose	1.7238%	15.0503%	10,561.5502
Destination	2.1528%	18.7958%	13,189.9903
Great Pacific	1.2361%	10.7922%	7,573.4611
Messiah	0.7173%	6.2627%	4,394.8254
Northern Defender	1.9728%	17.2243%	12,087.1483
Sea Wolf	1.5156%	13.2325%	9,285.9296
Vanguard	0.0565%	0.4933%	346.1699
Western Dawn	0.3952%	3.4504%	2,421.3509
TOTAL	11.4536%	100.0000%	70,175

D.UFC Intra Cooperative Transfers, Contract Fishing, and Harvest of Directed Pollock

Transfer agreements were negotiated among members of the co-op to increase efficiency and maximize resource utilization. The co-op manager was responsible for filing these transfers with Intra cooperative Manager, in addition to preparing documents outlining the transfer. The F/V Messiah did not participate in the directed Pollock fishery during 2019 and transferred nearly all of their allocation to other member vessels. The F/V Northern Defender harvested 1,301 MT of BSAI pollock for the Westward and Unisea Cooperatives under Amendment 69, and the coop contracted the F/V Alaskan Defender, F/V Defender, and F/V Chelsea K to harvest 1,590 MT of pollock in 2019 (Exhibit 5)(Exhibit 6). All landings were made within the state of Alaska.

EXHIBIT 5. 2019 UFC BSAI Pollock Contract Fishing Schedule

VESSEL	CONTRACTING COOPERATIVE	HOME COOPERATIVE	DELIVERY LOCATION	CONTRACT AMOUNT (MT)	HARVEST AMOUNT (MT)
Alaskan Defender*	Unalaska	Westward	Westward	748.00	120.69
Alaskan Defender*	Unalaska	Westward	Alyeska	-	535.71
Chelsea K	Unalaska	Westward	Westward	100.00	26.98
Defender	Unalaska	Westward	Unisea	1,200.00	906.56
Northern Defender	Westward	Unalaska	Westward	500.00	619.34
Northern Defender	Unisea	Unalaska	Unisea	1,500.00	681.94
Total Contract Fishing for UFC				2,048.00	1,589.95
Total Contract Fishing by UFC Vessels				2,000.00	1,301.28

* A single contract harvest agreement was drafted between the F/V Alaskan Defender and the Unalaska Fleet Cooperative for a total of 748 mt. This amount was then split between deliveries to both Alyeska Seafoods and Westward Seafoods

EXHIBIT 6. 2019 UFC Member Vessel Directed Bering Sea Pollock Allocations, Intra Cooperative Transfers, Contract Fishing, Directed Harvest and Discards

VESSEL	2019 MT	CO-OP TRANSFERS	CONTRACT FISHING	A SEASON HARVEST	B SEASON HARVEST	TOTAL DISCARDS	TOTAL HARVEST	REMAINING ALLOCATION
Alaskan Defender (Am 69)	-	656.41	656.41	-	-	-	656.41	-
Alaska Rose	10,314.64	1,037.56	-	4,974.66	6,377.53	-	11,352.19	0.00
Bering Rose	10,561.55	313.24	-	4,947.76	5,927.03	-	10,874.79	0.00
Chelsea K (Am 69)	-	26.98	26.98	-	-	-	26.98	-
Defender (Am 69)	-	906.56	906.56	-	-	-	906.56	-
Destination	13,189.99	940.44	-	6,501.80	7,628.63	-	14,130.43	0.00
Great Pacific	7,573.46	579.27	-	3,603.57	4,549.16	-	8,152.73	0.00
Messiah	4,394.83	(4,317.66)	-	-	-	-	-	77.17
Northern Defender	12,087.15	(1,478.57)	-	4,696.37	5,912.21	-	10,608.58	0.00
Sea Wolf	9,285.93	1,879.89	-	4,904.75	6,260.92	0.14	11,165.81	0.00
Vanguard	346.17	23.22	-	-	369.39	-	369.39	0.00
Western Dawn	2,421.35	(567.34)	-	865.96	971.39	-	1,837.35	16.66
TOTAL*	70,175.06	0.00	1,589.95	30,494.88	37,996.26	0.14	70,081.23	93.83

*Quotas were managed in pounds to facilitate the reconciliation of numbers with fish ticket information. Differences are due to rounding errors in repeated conversion of weights from pounds to metric tons and back.

E. UFC AFA Directed Pollock Fishery Catch and Bycatch

Using the most up to date bycatch information from Sea State Inc., as well as historic migration patterns of both PSC and pollock, the co-op manager worked with member vessels and Alyeska Seafoods Inc. to develop a fishing plan that helped achieve their goals for the 2019 fishing season.

UFC directed Pollock catch for 2019 totaled 70,081 MT (Exhibit 6)(Exhibit 7). UFC Pollock deliveries represented 99.87% of their allocation. All deliveries were landed in the state of Alaska.

With the passage of Amendment 84 (the salmon bycatch ICA) , salmon avoidance was made a priority by establishing additional reporting requirements and promoting vessel-level accountability. UFC members have participated in both the SSIP and Chum RHS agreements, which use fleet wide catch data to advise vessels of high salmon bycatch areas. In 2019 these agreements were combined into a singular salmon bycatch avoidance plan. As required by the SSIP, all members of the co-op use salmon excluders and follow protocols to promote salmon escapement. The revised SSIP does not include a 'Dirty 20' list and will no longer be included in this report. No members of our co-op were in violation of salmon closures and Exhibit 8 reflects UFC salmon bycatch in 2019. Further information regarding the effectiveness of these programs will be made available in the Inshore Salmon Savings Incentive Plan Agreement annual report.

EXHIBIT 7. 2019 UFC Directed Bering Sea Pollock Catch and Bycatch

VESSEL	Harvested Pollock (MT)	Other Groundfish (MT)	Herring (MT)	Halibut Mortality (MT)	Red King Crab #	Opilio #	Bairdi #	Chinook #	Other Salmon #
Alaskan Defender (Am 69)	656.41	9.51	0.00	-	-	-	-	9	-
Alaska Rose	11,352.19	155.35	0.64	0.54	1	25	19	190	2,901
Bering Rose	10,874.79	78.16	0.40	1.62	-	21	7	206	4,811
Chelsea K (Am 69)	26.98	0.19	0.00	-	-	-	-	1	1
Defender (Am 69)	906.56	5.20	-	-	-	-	-	12	78
Destination	14,130.43	224.71	1.87	0.56	-	-	-	203	1,353
Great Pacific	8,152.73	155.12	3.37	0.15	-	-	-	115	1,430
Messiah	-	-	-	-	-	-	-	-	-
Northern Defender	10,608.58	121.50	0.91	0.19	-	1	-	113	856
Sea Wolf	11,165.81	165.07	17.38	0.41	-	1	-	180	2,188
Vanguard	369.39	10.13	0.06	0.04	-	-	-	3	457
Western Dawn	1,837.35	36.18	0.88	0.09	-	-	-	6	13
TOTAL*	70,081.23	961.12	25.51	3.60	1	48	26	1,038	14,088

*All catch totals are derived from fish tickets in UFC and include all catch landed as well as discard at sea.

EXHIBIT 8. UFC 2019 Salmon Bycatch by Season in the Directed Bering Sea
Pollock Fishery

	CHINOOK		CHUM	
	A Season	B Season	A Season	B Season
Vessel	#	#	#	#
Alaskan Defender (Am 69)	9	-	-	-
Alaska Rose	119	71	3	2,886
Bering Rose	154	52	1	4,803
Chelsea K (Am 69)	-	1	-	1
Defender (Am 69)	-	12	-	78
Destination	152	51	4	1,336
Great Pacific	93	22	-	1,426
Messiah	-	-	-	-
Northern Defender	58	55	-	850
Sea Wolf	113	67	4	2,194
Vanguard	-	3	-	457
Western Dawn	5	1	-	13
TOTAL	703	335	12	14,044

IV. Sideboard Limits, Allocations, and Catch

In response to the laws of the AFA, the North Pacific Fisheries Management Council established sideboard species caps for the GOA and BSAI, which restricted harvest by AFA catcher vessels to historic levels with a few exceptions. Vessels would be exempt from the BSAI Pacific Cod sideboard limit (BSAI Cod-exempt) if they met the following: less than 125' LOA, with more than 30 deliveries of BSAI P. cod, and less than 1,700 MT of BSAI Pollock landed during 1995-1997. In addition, vessels could be exempt from GOA sideboard limits (Gulf-exempt) if they met the following: less than 125' LOA, with more than 40 deliveries of GOA groundfish, and less than 1,700 MT of BSAI Pollock during 1995-1997. Sideboard caps are issued as an aggregate for all AFA catcher vessels and are further allocated to individual cooperatives within the Intercooperative Agreement (ICA). The AFA requires that all sideboard species harvested, whether target catch or bycatch, be accounted for and reported in final harvest specifications.

UFC members exhibited a wide range of fishery participation during the qualifying years for sideboard allocations and their status can be found in Exhibit 1. Participation in the BSAI directed Pacific Cod sideboard fishery by dually qualified vessels (F/V Vanguard and F/V Western Dawn) is represented in the annual report of the Mothership Fleet Cooperative.

A. BSAI Sideboard Limits, Intercooperative Transfers, and Directed Catch

According to regulation, directed fishing of sideboard species in the BSAI is prohibited except for Pacific Cod and Yellowfin sole. Only Pacific Cod was further allocated to UFC in 2019 for a total of 2,495 MT. In 2019, 1,615 MT of Pacific Cod and 18.32 MT of associated halibut PSC were transferred to the High Seas Catcher Coop and Mothership Coop per the Intercooperative manager and agreement (Exhibit 9). The F/V Northern Defender was the only UFC member to participate in the directed Pacific Cod fishery for 2019 and they harvested a total of 399 MT (Exhibit 10) (Exhibit 11). UFC BSAI sideboard limits, Intercooperative transfers, and aggregate catch are further broken down in (Exhibit 12).

EXHIBIT 9. Transfers of UFC 2019 BSAI Pacific Cod Sideboards and Halibut PSC

Area	Season	Transfers To	Transfers From	Transfer Amount	
				P. Cod Sideboard (MT)	Halibut PSC (MT)
BSAI	A	Unalaska	Westward	744.75	8.65
BSAI	A	Mothership	Unalaska	(900.00)	(9.00)
BSAI	A	High Seas Catcher Coop	Unalaska	(715.00)	(9.32)
Total BSAI P. Cod Sideboard / Halibut PSC Transfer				(870.25)	(9.67)

The F/V Northern Defender was the only UFC member that participated in the 2019 BSAI Pacific Cod directed fishery.

EXHIBIT 10. UFC Member Vessel Directed Bering Sea Pacific Cod Sideboards, Inter & Intra Cooperative Transfers, & Catch

Vessel*	Coop %	2019 Sideboard (MT)	Intercooperative Transfers (MT)	Intracooperative Transfers (MT)	Total Harvest (MT)**	Remaining Sideboard (MT)
Alaska Rose	51.16%	1,276.00	(854.35)	-	0.00	421.65
Bering Rose	26.82%	669.00	(447.89)	-	0.00	221.11
Destination	5.72%	143.00	(95.44)	-	0.00	47.56
Great Pacific	4.65%	116.00	(77.69)	-	0.00	38.31
Northern Defender	3.29%	82.00	744.75	-	399.00	427.75
Sea Wolf	8.36%	209.00	(139.64)	-	0.00	69.36
TOTAL	1.00	2,495.00	(870.25)	-	399.00	1,225.75

* The Messiah is an 'Exempt' vessel and has been excluded to this table since they are not subject to sideboard restrictions. The F/V's Vanguard and Western Dawn are 'dual qualified' and their sideboard catch is reported though the Mothership Fleet Cooperative Annual Report.

** Catch totals are from the best data available from shoreside and offshore landings with fish tickets.

EXHIBIT 11. UFC 2019 BYCATCH IN THE DIRECTED BERING SEA P. COD SIDEBOARD FISHERY

Vessel*	Other Groundfish (MT)	Halibut Mortality (MT)	Herring (MT)	Red King Crab #	Opilio #	Bairdi #	Chinook #	Other Salmon #
Alaska Rose	-	-	-	-	-	-	-	-
Bering Rose	-	-	-	-	-	-	-	-
Destination	-	-	-	-	-	-	-	-
Great Pacific	-	-	-	-	-	-	-	-
Northern Defender	16.00	9.00	-	-	-	-	-	-
Sea Wolf	-	-	-	-	-	-	-	-
TOTAL**	16.00	9.00	-	-	-	-	-	-

* The Messiah is an 'Exempt' vessel and has been excluded to this table since they are not subject to sideboard restrictions. The F/V's Vanguard and Western Dawn are 'dual qualified' and their sideboard catch is reported though the Mothership Fleet Cooperative Annual Report.

** Catch totals and Halibut mortality are from the best data available from NMFS based on extrapolated observer data.

EXHIBIT 12. 2019 UFC BSAI Sideboard Limits, Intercooperative Transfers, and Aggregate Catch

BSAI Sideboard Species	Total AFA CV Sideboard Limit (MT)***	Initial UFC Sideboard Limit (MT)**	Inter Co-op Sideboard Transfer (MT)	Final Sideboard Limit (MT)	UFC Co-op Catch (MT)*	Remainder (MT)
BSAI Pacific Cod	30,699	2,495	(870)	1,625	682.20	942.55
BS Sablefish	57	N/A	N/A	N/A	146.07	N/A
AI Sablefish	28	N/A	N/A	N/A	-	N/A
Eastern BSAI Atka Mackerel	68	N/A	N/A	N/A	1.71	N/A
Central AI Atka Mackerel	2	N/A	N/A	N/A	-	N/A
Western AI Atka Mackerel	-	N/A	N/A	N/A	-	N/A
BSAI Rock Sole	1,434	N/A	N/A	N/A	23.02	N/A
BS Greenland Turbot	281	N/A	N/A	N/A	0.14	N/A
AI Greenland Turbot	3	N/A	N/A	N/A	-	N/A
BSAI Arrowtooth Flounder	469	N/A	N/A	N/A	10.15	N/A
BSAI Kamchatka flounder	293	N/A	N/A	N/A	-	N/A
BSAI Alaska Plaice	675	N/A	N/A	N/A	0.06	N/A
BSAI Other Flatfish	244	N/A	N/A	N/A	19.34	N/A
BSAI Flathead Sole	654	N/A	N/A	N/A	31.97	N/A
BS Pacific Ocean Perch	1,247	N/A	N/A	N/A	189.26	N/A
Eastern AI Pacific Ocean Perch	76	N/A	N/A	N/A	-	N/A
Central AI Pacific Ocean Perch	19	N/A	N/A	N/A	-	N/A
Western AI Pacific Ocean Perch	-	N/A	N/A	N/A	-	N/A
BSAI Northern Rockfish	46	N/A	N/A	N/A	4.12	N/A
BSAI Shortraker Rockfish	1	N/A	N/A	N/A	0.37	N/A
EBS/AI Rougheye Rockfish	-	N/A	N/A	N/A	-	N/A
CAI/WAI Rougheye Rockfish	1	N/A	N/A	N/A	-	N/A
BS Other Rockfish	1	N/A	N/A	N/A	3.47	N/A
AI Other Rockfish	4	N/A	N/A	N/A	-	N/A
BSAI Skates	1,196	N/A	N/A	N/A	19.63	N/A
BSAI Sculpins	230	N/A	N/A	N/A	3.32	N/A
BSAI Sharks	6	N/A	N/A	N/A	0.50	N/A
BSAI Octopuses	18	N/A	N/A	N/A	0.21	N/A
All Species Sideboard Total	37,752	2,495	(870)	1,625	1,135.53	942.55

* All catch values were incurred as bycatch in the AFA CV pollock fishery, with the exception of BSAI P. cod, which also includes directed catch by the F/V Northern Defender.

**UFC Sideboard allocations are made from total AFA CV sideboard limits when a directed fishery may occur. Directed fishing is prohibited for all sideboard species except P. Cod and Yellowfin Sole. Only one vessel participated in the BSAI CV Trawl P. Cod fishery in 2019. The BSAI P. Cod allocation reflects the difference after the set aside for bycatch in the Pollock fishery.

***2019 AFA CV Sideboard limits are posted and available at <https://www.federalregister.gov/documents/2019/03/13/2019-04539/fisheries-of-the-exclusive-economic-zone-off-alaska-bering-sea-and-aleutian-islands-final-2019-and#p-83>

B. GOA Sideboard Limits, Intercooperative Transfers, and Directed Catch

UFC members have historical participation in the Gulf of Alaska fisheries and continue to participate in the Central region. A total of 2,302 MT of sideboards from four cooperatives were transferred to UFC in 2019 (Exhibit 13). There were no transfers from the Unalaska Fleet Cooperative in 2019. Initial sideboard limits for the AFA inshore cooperatives totaled 40,864 MT, with 5,297 MT allocated to UFC (Exhibit 14). In addition to Intercooperative sideboard transfers, allocations remaining at the end of each season in the pollock and Pacific cod fisheries are 'rolled over' into the subsequent season and thus accumulate throughout the year. Final sideboard allocations include the initial allocation, transfers, and any rollovers from the prior season.

The F/V Vanguard made landings in the GOA Pollock (Exhibit 15), Arrowtooth (Exhibit 17), shallow water flatfish (Exhibit 18), directed fisheries. There were no landings in the GOA Pacific cod (Exhibit 16) or Rex Sole (Exhibit 19) directed fisheries in 2019. Values represented in Exhibits 14-19 represent harvest in a directed fishery only and are derived from actual fish tickets. The F/V Vanguard landed 3,921 MT of aggregate sideboard catch and 53.63 MT of discards in the GOA during 2019 (Exhibit 20). The vessel discards accounted for 1.37% of their aggregate sideboard catch and bycatch at sea.

Exhibit 13. 2019 GOA Intercoop Sideboard Transfers to and from UFC

Fishery	Area	Season	Transfers From	Transfers To	Transfer Amount (MT)
P. Cod	CGOA	A	High Seas Catcher Coop	Unalaska	15
P. Cod	CGOA	A	Peter Pan Coop	Unalaska	26
P. Cod	CGOA	A	Mothership Coop	Unalaska	33
P. Cod	CGOA	B	High Seas Catcher Coop	Unalaska	10
P. Cod	CGOA	B	Peter Pan Coop	Unalaska	17
P. Cod	CGOA	B	Northern Victor Coop	Unalaska	40
Pollock	620	A	High Seas Catcher Coop	Unalaska	59
Pollock	620	A	Northern Victor Coop	Unalaska	400
Pollock	620	B	High Seas Catcher Coop	Unalaska	69
Pollock	620	C	High Seas Catcher Coop	Unalaska	21
Pollock	620	D	High Seas Catcher Coop	Unalaska	21
Pollock	630	A	High Seas Catcher Coop	Unalaska	74
Pollock	630	B	High Seas Catcher Coop	Unalaska	24
Pollock	630	C	High Seas Catcher Coop	Unalaska	114
Pollock	630	D	High Seas Catcher Coop	Unalaska	114
Pollock	630	D	Peter Pan Coop	Unalaska	519
Shallow Water Flatfish	CGOA	ANNUAL	High Seas Catcher Coop	Unalaska	197
Deep Water Flatfish	CGOA	ANNUAL	High Seas Catcher Coop	Unalaska	5
Rex Sole	CGOA	ANNUAL	High Seas Catcher Coop	Unalaska	7
Arrowtooth	CGOA	ANNUAL	High Seas Catcher Coop	Unalaska	411
Flathead	CGOA	ANNUAL	Peter Pan Coop	Unalaska	19
Flathead	CGOA	ANNUAL	Northern Victor Coop	Unalaska	100
Flathead	CGOA	ANNUAL	High Seas Catcher Coop	Unalaska	7
Total Sideboard Transfer to UFC					2,302.00
Total Sideboard Transfer From UFC					-

EXHIBIT 14. 2019 UFC GOA Directed Fisheries Sideboard Allocations, Transfers, Rollovers, and Directed Catch

FISHERY	AREA	SEASON	Total AFA CV Sideboard Limit (MT)	Initial UFC Sideboard Limit (MT)	Inter Co-op Sideboard Transfer (MT)	Seasonal Rollover (MT)*	Final Sideboard Limit (MT)	UFC Co-op Catch (MT)**	Remainder (MT)
GOA POLLOCK	610	A	513.00	79.00	-	-	79.00	-	79.00
GOA POLLOCK	610	B	513.00	79.00	-	79.00	158.00	-	158.00
GOA POLLOCK	610	C	7,008.00	1,076.00	-	158.00	1,234.00	-	1,234.00
GOA POLLOCK	610	D	7,008.00	1,076.00	-	1,234.00	2,310.00	-	2,310.00
GOA POLLOCK	620	A	2,712.00	156.00	459.00	-	615.00	-	615.00
GOA POLLOCK	620	B	3,187.00	183.00	69.00	615.00	867.00	667.78	199.22
GOA POLLOCK	620	C	983.00	56.00	21.00	199.22	276.22	179.02	97.20
GOA POLLOCK	620	D	983.00	56.00	21.00	97.20	174.20	136.08	38.12
GOA POLLOCK	630	A	1,540.00	203.00	74.00	-	277.00	-	277.00
GOA POLLOCK	630	B	714.00	94.00	24.00	277.00	395.00	28.30	366.70
GOA POLLOCK	630	C	2,365.00	311.00	114.00	366.70	791.70	386.20	405.49
GOA POLLOCK	630	D	2,365.00	311.00	633.00	405.49	1,349.49	1,125.40	224.10
GOA POLLOCK	640	ANNUAL	2,009.00	-	-	-	-	-	-
GOA POLLOCK	650	ANNUAL	3,066.00	-	-	-	-	-	-
GOA P. COD	WESTERN	A	427.00	35.00	-	-	35.00	-	35.00
GOA P. COD	WESTERN	B	284.00	23.00	-	35.00	58.00	-	58.00
GOA P. COD	CENTRAL	A	239.00	22.00	74.00	-	96.00	-	96.00
GOA P. COD	CENTRAL	B	159.00	12.00	67.00	96.00	175.00	-	175.00
GOA P. COD	EASTERN	ANNUAL	9.00	-	-	-	-	-	-
GOA SHALLOW WATER FLATFISH	WESTERN	ANNUAL	207.00	168.00	-	-	168.00	-	168.00
GOA SHALLOW WATER FLATFISH	CENTRAL	ANNUAL	1,510.00	778.00	197.00	-	975.00	357.36	617.64
GOA SHALLOW WATER FLATFISH	EASTERN	ANNUAL	53.00	-	-	-	-	-	-
GOA DEEP WATER FLATFISH	WESTERN	ANNUAL	-	-	-	-	-	-	-
GOA DEEP WATER FLATFISH	CENTRAL	ANNUAL	223.00	70.00	5.00	-	75.00	-	75.00
GOA DEEP WATER FLATFISH	EASTERN	ANNUAL	72.00	-	-	-	-	-	-
GOA REX SOLE	WESTERN	ANNUAL	2.00	-	-	-	-	-	-
GOA REX SOLE	CENTRAL	ANNUAL	321.00	101.00	7.00	-	108.00	-	108.00
GOA REX SOLE	EASTERN	ANNUAL	10.00	-	-	-	-	-	-
GOA ARROWTOOTH FLOUNDER	WESTERN	ANNUAL	30.00	-	-	-	-	-	-
GOA ARROWTOOTH FLOUNDER	CENTRAL	ANNUAL	1,988.00	305.00	411.00	-	716.00	443.98	272.02
GOA ARROWTOOTH FLOUNDER	EASTERN	ANNUAL	3.00	-	-	-	-	-	-
GOA FLATHEAD SOLE	WESTERN	ANNUAL	31.00	-	-	-	-	-	-
GOA FLATHEAD SOLE	CENTRAL	ANNUAL	328.00	103.00	126.00	-	229.00	-	229.00
GOA FLATHEAD SOLE	EASTERN	ANNUAL	2.00	-	-	-	-	-	-
Total Directed Fishery Sideboard			40,864.00	5,297.00	2,302.00	3,562.62	11,161.62	3,324.12	7,837.50

* GOA Pollock and Pacific Cod sideboard allocations are issued on a seasonal basis. Any remaining allocation at the end of the season rolls over into the subsequent season. Catch within a particular season may exceed the allocation for that season, as long as there is sufficient 'rollover' allocation to account for the difference.

** The catch values included in the table were incurred in a Directed fishery and do not include bycatch values

EXHIBIT 15. 2019 GOA Directed Pollock Fishing Catch and Bycatch by Area and Season

Area	Season	Vessel	Harvested Pollock (MT)	Other Groundfish (MT)	Herring Wt. (MT)	Halibut Mortality (MT)	Red King Crab #	Tanner #	Bairdi #	Chinook #	Other Salmon #
610	A	N/A	-	-	-	-	-	-	-	-	-
610	B	N/A	-	-	-	-	-	-	-	-	-
610	C	N/A	-	-	-	-	-	-	-	-	-
610	D	N/A	-	-	-	-	-	-	-	-	-
620	A	N/A	-	-	-	-	-	-	-	-	-
620	B	Vanguard	662.13	-	-	-	-	-	-	1	-
620	C	Vanguard	173.82	3.34	-	-	-	-	-	11	4
620	D	Vanguard	136.08	4.86	-	-	-	-	-	85	-
630	A	N/A	-	-	-	-	-	-	-	-	-
630	B	N/A	-	-	-	-	-	-	-	-	-
630	C	Vanguard	360.66	0.05	-	-	-	-	-	22	3
630	D	Vanguard	1,117.32	66.20	-	0.49	-	-	-	257	5
640	Annual	N/A	-	-	-	-	-	-	-	-	-
650	Annual	N/A	-	-	-	-	-	-	-	-	-
UFC Total			2,450.00	74.44	-	0.49	-	-	-	376	12

No directed fishing for pollock occurred in areas 610, 640, or 650 during 2019.

EXHIBIT 16. 2019 GOA Directed Pacific Cod Fishing Catch and Bycatch by Area and Season

Area	Season	Vessel	Harvested P. Cod (MT)	Other Groundfish (MT)	Herring Wt. (MT)	Halibut Mortality (MT)	Red King Crab #	Tanner #	Bairdi #	Chinook #	Other Salmon #
WGOA	A	N/A	-	-	-	-	-	-	-	-	-
WGOA	B	N/A	-	-	-	-	-	-	-	-	-
CGOA	A	N/A	-	-	-	-	-	-	-	-	-
CGOA	B	Vanguard	-	-	-	-	-	-	-	-	-
EGOA	A	N/A	-	-	-	-	-	-	-	-	-
EGOA	B	N/A	-	-	-	-	-	-	-	-	-
UFC Total			-	-	-	-	-	-	-	-	-

No directed fishing for Pacific cod occurred during 2019.

EXHIBIT 17. 2019 GOA Directed Arrowtooth Fishing Catch and Bycatch by Area and Season

Area	Season	Vessel	Harvested Arrowtooth (MT)	Other Groundfish (MT)	Herring Wt. (MT)	Halibut Mortality (MT)	Red King Crab #	Tanner #	Bairdi #	Chinook #	Other Salmon #
EGOA	Annual	N/A	-	-	-	-	-	-	-	-	-
CGOA	Annual	N/A	443.98	309.74	0	0.80	-	-	-	-	-
WGOA	Annual	N/A	-	-	-	-	-	-	-	-	-
UFC Total			443.98	309.74	0.15	0.80	-	-	-	-	-

No directed fishing for Arrowtooth Flounder occurred in the Eastern or Western Gulf during 2019.

EXHIBIT 18. 2019 GOA Directed Shallow water Flatfish Catch and Bycatch by Area and Season

Area	Season	Vessel	Harvested Shallow Water Flats (MT)	Other Groundfish (MT)	Herring Wt. (MT)	Halibut Mortality (MT)	Red King Crab #	Tanner #	Bairdi #	Chinook #	Other Salmon #
EGOA	Annual	N/A	-	-	-	-	-	-	-	-	-
CGOA	Annual	Vanguard	357.36	284.04	-	0.93	-	-	-	27	4
WGOA	Annual	N/A	-	-	-	-	-	-	-	-	-
UFC Total			357.36	284.04	-	0.93	-	-	-	27	4.00

No directed fishing for shallow water flatfish occurred in the Eastern or Western Gulf during 2019.

EXHIBIT 19. 2019 GOA Directed Rex Sole Catch and Bycatch by Area and Season

Area	Season	Vessel	Harvested Rex Sole (MT)	Other Groundfish (MT)	Herring Wt. (MT)	Halibut Mortality (MT)	Red King Crab #	Tanner #	Bairdi #	Chinook #	Other Salmon #
EGOA	Annual	N/A	-	-	-	-	-	-	-	-	-
CGOA	Annual	Vanguard	-	-	-	-	-	-	-	-	-
WGOA	Annual	N/A	-	-	-	-	-	-	-	-	-
UFC Total			-	-	-	-	-	-	-	-	-

No directed fishing for rex sole occurred during 2019.

EXHIBIT 20. UFC 2019 GOA Sideboard Aggregate Species Catch and Bycatch

	Vanguard*	
GOA Sideboard Area/Species/Season	Landed (MT)	Discard (MT)
Area 610 A Season Pollock	-	-
Area 610 B Season Pollock	-	-
Area 610 C Season Pollock	-	-
Area 610 D Season Pollock	-	-
Area 620 A Season Pollock	-	4.54
Area 620 B Season Pollock	667.78	-
Area 620 C Season Pollock	179.02	-
Area 620 D Season Pollock	136.08	-
Area 630 A Season Pollock	-	-
Area 630 B Season Pollock	28.76	13.61
Area 630 C Season Pollock	386.20	-
Area 630 D Season Pollock	1,125.40	-
Area 640 Annual Pollock	-	-
Area 650 Annual Pollock	-	-
Western A Season GOA Pacific Cod	-	-
Western B Season GOA Pacific Cod	-	-
Central A Season GOA Pacific Cod	91.24	2.25
Central B Season GOA Pacific Cod	70.18	12.97
Eastern Annual GOA Pacific Cod	-	-
Western GOA Sablefish	-	-
Central GOA Sablefish	11.15	0.46
Eastern GOA Sablefish	-	-
Western GOA Shallow-water Flatfish	-	-
Central GOA Shallow-water Flatfish	423.50	7.26
Eastern GOA Shallow-water flatfish	-	-
Western GOA Deep-water Flatfish	-	-
Central GOA Deep-water Flatfish	-	-
Eastern GOA Deep-water flatfish	-	-
Western GOA Rex Sole	-	-
Central GOA Rex Sole	35.87	-
Eastern GOA Rex Sole	-	-
Western GOA Arrowtooth Flounder	-	-
Central GOA Arrowtooth Flounder	552.11	2.42
Eastern GOA Arrowtooth Flounder	-	-
Western GOA Flathead Sole	-	-
Central GOA Flathead Sole	142.26	0.23
Eastern GOA Flathead Sole	-	-
Western GOA Pacific Ocean Perch	-	-
Central GOA Pacific Ocean Perch	20.55	8.16
Eastern GOA Pacific Ocean Perch	-	-
Western GOA Northern Rockfish	-	-
Central GOA Northern Rockfish	3.52	-
Western GOA Shortraker Rockfish	-	-
Eastern GOA Shortraker Rockfish	-	-
Central GOA Shortraker Rockfish	1.89	-
Eastern GOA Shortraker Rockfish	-	-
Western GOA Dusky Rockfish	-	-
Central GOA Dusky Rockfish	1.00	-
Eastern GOA Dusky Rockfish	-	-
Western GOA Rougheye Rockfish	-	-
Central GOA Rougheye Rockfish	0.64	-
Eastern GOA Rougheye Rockfish	-	-
SEO GOA Demersal Shelf Rockfish	-	-
Western GOA Thornyhead Rockfish	-	-
Central GOA Thornyhead Rockfish	0.74	-
Eastern GOA Thornyhead Rockfish	-	-
Western GOA Other Rockfish	-	-
Central GOA Other Rockfish	0.02	-
Eastern GOA Other Rockfish	-	-
GOA Atka Mackerel	4.83	-
Western GOA Big Skates	-	-
Central GOA Big Skates	27.13	-
Eastern GOA Big Skates	-	-
Western GOA Longnose Skates	-	-
Central GOA Longnose Skates	9.82	-
Eastern GOA Longnose Skates	-	-
GOA Other Skates	0.03	-
GOA Sculpins	0.16	1.36
GOA Sharks	-	0.39
GOA Squids	-	-
GOA Octopuses	1.16	-
UFC Co-op Sideboard Species Total	3,921.01	53.63

* The Vanguard is the only non-exempt UFC member vessel that participated in the GOA sideboard fishery during 2019

V. UFC Monitoring and Enforcement

All UFC activities in the Bering Sea directed Pollock fishery and Gulf of Alaska sideboard fisheries were successfully monitored for 2019 and no enforcement actions were necessary for this year.