

ANNUAL REPORT OF THE  
UNISEA FLEET COOPERATIVE  
YEAR 2016

PREPARED FOR:

NORTH PACIFIC FISHERY MANAGEMENT COUNCIL

MARCH 22, 2017

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**Presented to the  
North Pacific Fishery Management Council  
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INTRODUCTION

UniSea Fleet Cooperative (UFC) is pleased to submit this document and results of their 2016 Bering Sea fishery to the North Pacific Fishery Management Council (NPFMC) in compliance with annual reporting requirements of the 1998 American Fisheries Act (AFA).

Year 2016 was the seventeenth year of UFC operations under the AFA. The UniSea fleet was managed and operated during 2016 following the successful model established during the preceding 2000-2015 fisheries--basically without change. This document format and 13 exhibits herein reporting UFC co-op members, management, allocations, catches, sideboard limits, prohibited species catches and enforcement is also consistent with UFC's earlier years reporting to the NPFMC. We believe this reporting format and detail is both in keeping with AFA reporting requirements and provides easy comparison to the prior year results.

UNISEA FLEET MEMBER VESSELS AND CO-OP MANAGEMENT

There was one membership change to UFC in 2016 from the prior year. The F/V *Gun-Mar* left the UFC, was renamed the Alaskan Defender and entered the AFA open access sector. Seven individual members of the UFC representing 13 catcher vessels signed their Co-op Membership Agreement, which enabled them to operate under the laws of the AFA in a fishing cooperative delivering pollock to UniSea Inc. during the 2016 fishing season (Attachment 1, UniSea Fleet Cooperative Membership Agreement for 2016 dated 11/13/15, and Pollock

Harvest Schedule). The F/V *Mar Gun* and the 57' F/V *Morning Star* did not fish in the Bering Sea in 2016. The 2016 member vessels and their owners are listed below:

Margaret Hall, General Manager, Rondy's, Inc.

- F/V *A/sea* 124 ft LOA
- F/V *Argosy* 124 ft LOA

Jeff Hendricks, Manager, Auriga/Aurora General Partnership

- F/V *Auriga* 193 ft LOA
- F/V *Aurora* 193 ft LOA

Robert Desautel, Managing Member, Dona Martita, LLC

- F/V *Defender* 195 ft LOA

Chris Swasand, F/V *Nordic Star* LLC

- F/V *Nordic Star* 123 ft LOA

Gunnar Ildhuso, Jr., Margun Enterprises, LLC

- F/V *Mar-Gun* 112 ft LOA

Fred Yeck, President, FY Fisheries, Inc.

- F/V *Sea Dawn* 124 ft LOA

Rick Mezich, President, F/V *Starfish*, LLC.

- F/V *Starfish* 123 ft LOA

Rick Mezich, President, *Starlite* Fisheries, LLC.

- F/V *Starlite* 123 ft LOA

Rick Mezich, President, *Starward* Fisheries, LLC.

- F/V *Starward* 123 ft LOA

Rick Mezich, President, Fierce Allegiance, LLC.

- F/V *Fierce Allegiance* 167 ft LOA

Rick Mezich, President, F/V Morning Star, LLC.

- F/V *Morning Star* 57 ft Reg. Length

Co-op management and administration continued during 2016 and remained basically unchanged from management and administration of the prior co-op years (Exhibit 1). Mr. Jeff Hendricks continued to serve as the President of UFC and Mr. Todd Shoup served as the UFC Production Director. Coordination of information on allocations, transfers, pollock catches, sideboard catches and prohibited species catches between the UniSea plant in Dutch Harbor, the member vessels, Sea State, the Inter Co-op Manager and the National Marine Fisheries Service all continued during 2016 as established in year 2000 and as conducted in 2001-2015.

#### UFC BERING SEA POLLOCK ALLOCATION TRANSFERS AND CATCH

UFC 2016 pollock allocation represented 9.513% of the total Bering Sea final directed pollock allocation and 22.094% of the inshore sector allocation. Exhibit 2 shows the distribution of final 2016 pollock allocations between the seven inshore pollock cooperatives. UFC's allocation of 22.094% of the inshore sector allocation ranked UFC as the second largest inshore co-op. In 2016, UFC's 13 member vessels received a final AFA Bering Sea pollock allocation that totaled 129,335.000 mt (Exhibit 3). Each of the 13 UFC vessel's final pollock allocations are identified in Exhibit 3 showing their respective tonnage and each vessel's percentage of the UFC total allocation.

Exhibit 4 reports the final 2016 Bering Sea pollock allocations for each of the remaining and active 11 vessels in the UniSea fleet during the 2016 season after in-season transfers of pollock allocations between member vessels. Two member vessels (*Mar Gun* and the *Morning Star*) transferred all or nearly all of their 2016 pollock quota to other UFC member vessels.

Exhibit 5 provides UFC Bering Sea pollock catches that occurred during the 2016 season relative to final allocations after all co-op transfers. The UFC directed Bering Sea pollock catch totaled 129,326.002 mt, which was 8.998 mt less than the final allocation. This catch equated to 99.9% utilization of the final 2016 Bering Sea pollock allocation.

The AFA provides that co-op member vessels may deliver up to 10% of the co-op's Bering Sea pollock catch to non-affiliated processors. During 2016, UFC member vessels delivered 127,608.744 mt of their 129,326.002 mt total deliveries to their affiliated plant at UniSea. The UniSea deliveries represented 98.67% of all directed pollock deliveries by UFC member vessels, in keeping with AFA requirements. No pollock caught during UFC operations in 2016 was landed outside of Alaska.

Bycatch of other groundfish, herring, halibut, crab and salmon from the directed Bering Sea pollock fishery is detailed by member vessel in Exhibit 6. Pollock represented 99.63 % of the total catch of pollock plus all other groundfish in the directed pollock fishery.

Vessel-level detail of salmon bycatch in the directed Bering Sea pollock fishery is reported for UFC in 2016 to meet additional reporting requirements under Amendment 84 (salmon bycatch ICA). Specifically, Exhibit 6 summarizes the seasonal (A and B) catches of Chinook and chum salmon (other salmon), and the number of appearances of each vessel on the "dirty 20" lists for both salmon species. To appear on the "dirty 20" list, a vessel must have exceeded the salmon bycatch base rate for that weekly period and have been among the top 20 vessels with the highest salmon bycatch rate for that weekly period.

Additional salmon bycatch measures were in effect under Amendment 91 in 2016. We have been advised that further details of salmon bycatch in 2016 (including the effectiveness of reduction measures) are to be provided in a



Chinook salmon IPA annual report and the non-Chinook salmon ICA annual report – both of which are prepared at the Interco-op level.

## SIDEBOARD LIMITATIONS, ALLOCATIONS AND CATCHES

The laws of the AFA place limits on AFA qualified catcher vessels whereby their harvest of groundfish other than Bering Sea pollock is limited to historic levels. Halibut bycatch (PSC) is also limited through the co-op sideboard allocations. By AFA definition, all catch of groundfish sideboard species made by non-exempt AFA catcher vessels, whether as targeted catch or incidental catch, are to be deducted from the sideboard limits. These are reported in the final harvest specifications and are intended to be a cap on all catches of these species.

Initial BSAI sideboard limits for all AFA CV cooperatives totaled 50,182 mt for all sideboard species. Of this total, only BSAI Pacific cod was allocated further to AFA co-ops and the allocation to UFC vessels totaled 4,661 mt. A total of 3,757 mt of BSAI sideboard species were caught by UFC vessels and 1,106 mt of UFC allocated sideboards (cod only) were left unharvested (Exhibit 7). Aggregate differences between catch and sideboard limits for all AFA CV cooperatives will be reported in the Inter-coop Report.

Initial GOA sideboard limits for all AFA CV cooperatives totaled 80,049 mt for all sideboard species. In addition to pollock and Pacific cod, shallow and deep-water flatfish were allocated further to AFA co-ops and UFC allocation to vessels totaled 8,677 mt. After transfers of 1,700 mt of Area 610 pollock to one other co-op the final allocation of GOA sideboards to UFC was 6,977 mt (Exhibit 8). UFC member vessels did not conduct fisheries for pollock or for other species of groundfish in the GOA management region and all GOA sideboard limits were left unharvested.

## DIRECTED BERING SEA COD AND GULF POLLOCK FISHERY

UFC member vessels conducted a small directed Bering Sea cod fishery within sideboard limits (4,661 mt) during 2016. This fishery was conducted by four member vessels and yielded a harvest of 3,232 mt (Exhibit 9). UFC member vessels did not conduct a directed fishery for Gulf of Alaska pollock, and they did not conduct directed fisheries for yellowfin sole or rock sole.

Bycatch of other groundfish, halibut, herring, crab and salmon in the UFC directed Bering Sea cod fishery is detailed in Exhibit 10. Cod comprised 94.3% of the total groundfish catch in UFC's directed Bering Sea cod fishery.

As earlier noted, UFC member vessels did not fish Gulf of Alaska pollock in 2016 and there were three transfers of UFC GOA (Area 610) sideboard pollock allocation (Exhibit 11).

## DIRECTED CRAB FISHING

Amendments 18 and 19 to the Fishery Management Plan for BSAI king and Tanner crab (70FR 10174 – March 2005), commonly referred to as the BSAI Crab Rationalization Program, have eliminated the prior AFA crab harvesting reporting requirements by AFA pollock vessels.

## UFC PROHIBITED SPECIES AND ALL GROUND FISH CATCH TOTALS

UFC member vessel total prohibited species catches of halibut, herring, Bristol Bay red king crab, *bairdi* Tanner crab, other Tanner crab, chinook salmon and other salmon from all directed Bering Sea pollock and cod fisheries are provided in Exhibit 12. UFC member vessels' total catch (landings and discards) for all BSAI sideboard species by area and vessel is shown in Exhibit 13.

## UFC MONITORING AND ENFORCEMENT

All UFC directed Bering Sea pollock and cod catches, as well as sideboard catches and the halibut PSC were successfully managed and did not exceed allocations. The co-op was accordingly not required to take any enforcement actions.

Exhibit 1. Schematic of UniSea Fleet Cooperative Operations, 2016.

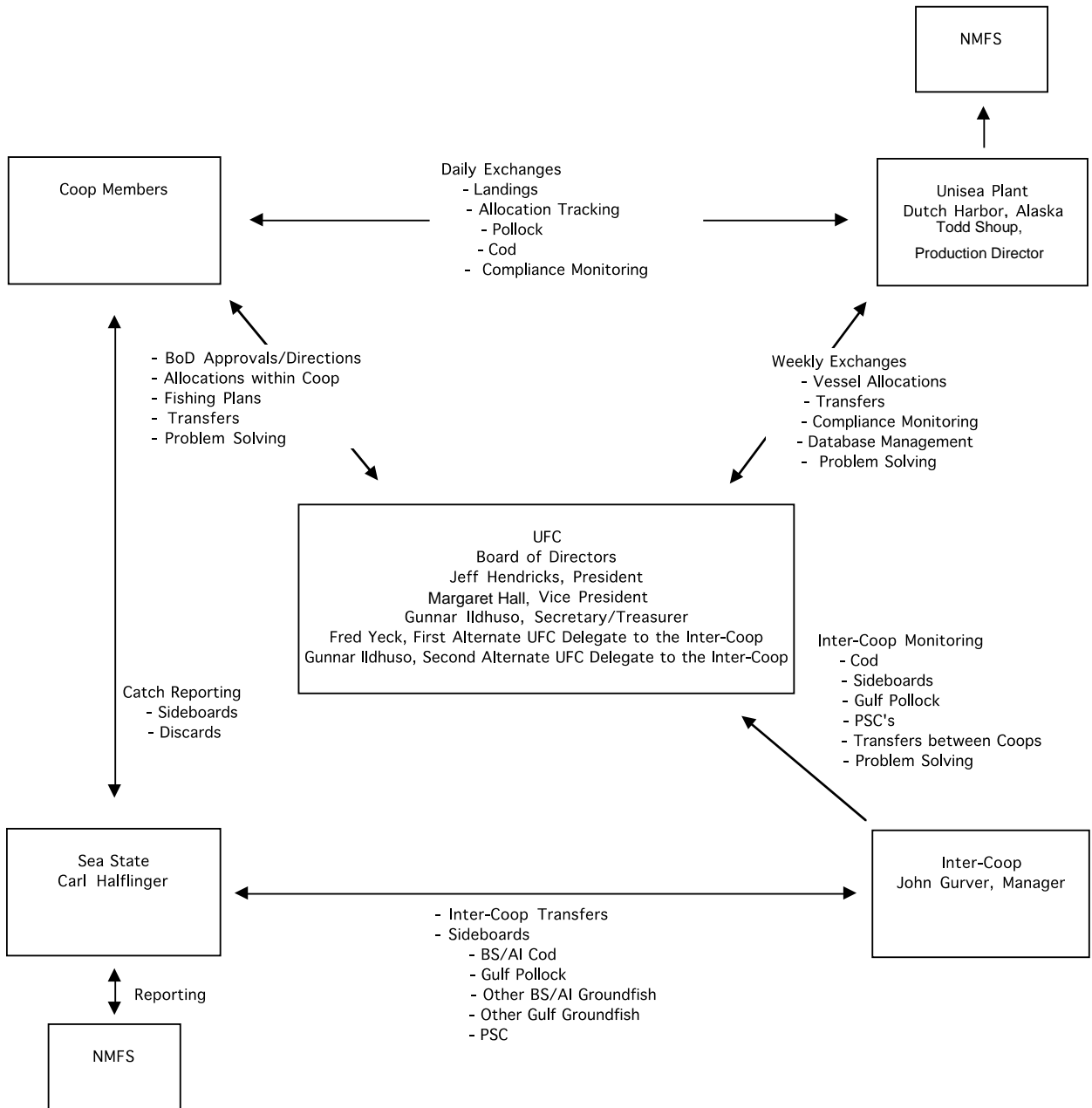


Exhibit 2. Percent distribution of 2016 Bering Sea "inshore pollock allocation" between the seven inshore AFA pollock cooperatives.

### Bering Sea Inshore Pollock Co-op 2016 Allocation

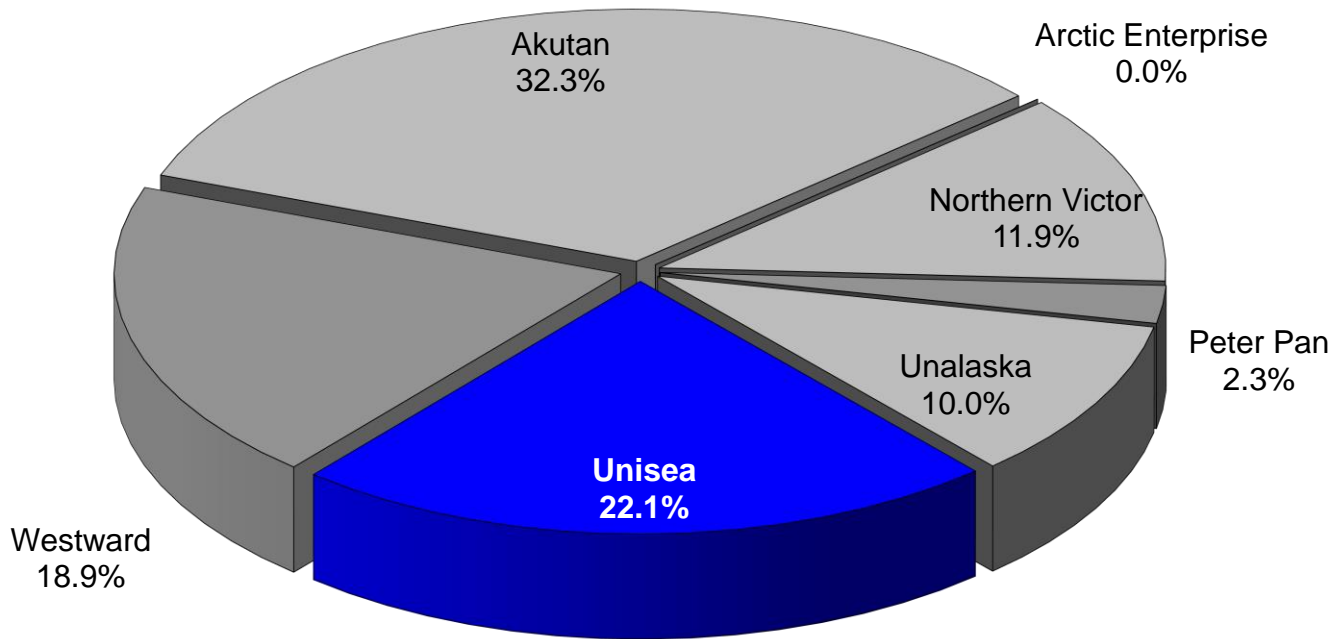


Exhibit 3. UniSea Fleet Cooperative member vessel initial pollock allocations expressed as a percentage of the co-op total, as a percentage of the Bering Sea directed inshore pollock fishery, and in metric tons for 2016.

Boat	% Co-op Allocation*	Pollock Allocations % Directed Inshore Pollock Fishery	Annual Allocation (MT)
Aalsea	8.126%	1.795%	10,510.269
Argosy	7.977%	1.763%	10,317.560
Auriga	15.135%	3.344%	19,574.445
Aurora	15.139%	3.345%	19,579.747
Defender	15.761%	3.482%	20,384.210
Fierce Allegiance	4.244%	0.938%	5,489.101
MarGun	0.472%	0.104%	610.590
Nordic Star	6.272%	1.386%	8,112.012
Starfish	6.841%	1.511%	8,847.410
Starlite	5.545%	1.225%	7,172.136
Starward	5.708%	1.261%	7,382.305
Seadawn	6.385%	1.411%	8,258.549
Morning Star (57')	2.394%	0.529%	3,096.665
UFC Total	100.000%	22.094%	129,335.000

\* Some totals are rounded. Allocations from updated, signed Unisea harvest schedules.

Exhibit 4. UniSea Fleet Cooperative member vessel final Bering Sea directed pollock allocations for 2016 after co-op transfers.

Boat	Initial Pollock Allocation (MT)	Within Co-op Net Transfer In & Out (MT)	Final Pollock Allocation (MT)
Aalsea	10,510.269	+131.074	10,641.343
Argosy	10,317.560	+474.262	10,791.822
Auriga	19,574.445	+350.295	19,924.740
Aurora	19,579.747	-183.735	19,396.012
Defender	20,384.210	-214.082	20,170.128
Fierce Allegiance	5,489.101	+2,950.286	8,439.387
MarGun	610.590	-605.332	5.258
Nordic Star	8,112.012	+47.518	8,159.530
Starfish	8,847.410	+200.436	9,047.846
Starlite	7,172.136	-57.499	7,114.637
Starward	7,382.305	+3.416	7,385.721
Seadawn	8,258.549	0.000	8,258.549
Morning Star (57')	3,096.665	-3,096.639	0.026
<b>UFC Total</b>	<b>129,335.000</b>	<b>0.000</b>	<b>129,335.000</b>

Exhibit 5. Comparison of UniSea Fleet Cooperative member vessels directed Bering Sea pollock catches with final allocations, 2016.

Boat	Final Pollock Allocation (MT)	Directed Bering Sea Pollock Catch by Vessel (MT)	Difference Over (+) Under (-)
Aalsea	10,641.343	10,641.117 *	-0.226
Argosy	10,791.822	10,791.630	-0.192
Auriga	19,924.740	19,924.632	-0.108
Aurora	19,396.012	19,395.692	-0.320
Defender	20,170.128	20,168.854 *	-1.274
Fierce Allegiance	8,439.387	8,439.282	-0.105
MarGun	5.258	0.000	-5.258
Nordic Star	8,159.530	8,159.363	-0.167
Starfish	9,047.846	9,047.735 *	-0.111
Starlite	7,114.637	7,114.471	-0.166
Starward	7,385.721	7,385.535	-0.186
Seadawn	8,258.549	8,257.691	-0.858
Morning Star (57')	0.026	0.000	-0.026
<b>UFC Total</b>	<b>129,335.000</b>	<b>129,326.002</b>	<b>-8.998</b>

Pollock catch totals are from Seastate.

\* Directed catch includes Amendment 69 contractual fishing amounts as reported by the Co-op where 12,149.085 mt of F/V *Defender* allocation, 12.827 mt of F/V *Starfish* allocation, and 15.062 mt of F/V *Aalsea* allocation was delivered by three non-UFC vessels (F/Vs Bering Defender, Defender 2, and Morning Star).



Exhibit 6. Directed pollock catch, bycatch of other groundfish and PSC's in the directed pollock fishery for the UniSea Fleet Cooperative member vessels, 2016.

Boat	Directed Bering Sea Pollock Catch (MT)	Other Groundfish Catch (MT)	Halibut Mortality (MT)	Herring Catch (MT)	Red King Crab (#)	<i>bairdi</i> Tanner Crab (#)	Other Tanner Crab (#)	A Season**		B Season**	
								Chinook Salmon # (D2)	Other Salmon # (D2)	Chinook Salmon # (D2)	Other Salmon # (D2)
Alsea*	10,641.117	44.00	0	8	0	0	0	132 (0)	35 (0)	8 (0)	4,411 (2)
Argosy	10,791.630	58.63	0	38	0	0	0	138 (0)	3 (0)	10 (0)	954 (0)
Auriga	19,924.632	41.76	0	26	0	0	0	264 (0)	6 (0)	32 (0)	8,990 (3)
Aurora	19,395.692	46.79	2	64	0	0	0	240 (0)	14 (0)	18 (0)	6,989 (3)
Defender*	20,168.854	50.23	0	1	0	0	0	200 (0)	3 (0)	108 (0)	18,362 (4)
Fierce Allegiance	8,439.282	49.54	0	74	0	0	0	201 (0)	8 (0)	13 (0)	698 (0)
MarGun	0.000	0.00	0	0	0	0	0	0 (0)	0 (0)	0 (0)	0 (0)
Nordic Star	8,159.363	46.96	0	38	0	0	0	104 (0)	1 (0)	6 (0)	1,123 (0)
Starfish*	9,047.735	42.79	0	5	0	0	0	115 (0)	3 (0)	20 (0)	3,065 (2)
Starlite	7,114.471	20.73	0	19	0	0	0	145 (0)	4 (0)	6 (0)	2,746 (4)
Starward	7,385.535	35.85	0	18	0	0	0	188 (0)	4 (0)	10 (0)	3,267 (3)
Seadawn	8,257.691	47.44	0	1	0	0	0	87 (0)	7 (0)	5 (0)	2,524 (2)
Morning Star (57')	0.000	0.00	0	0	0	0	0	0 (0)	0 (0)	0 (0)	0 (0)
<b>UFC Total</b>	<b>129,326.002</b>	<b>484.72</b>	<b>2</b>	<b>292</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,814</b>	<b>88</b>	<b>236</b>	<b>53,130</b>

Directed pollock catch totals, PSCs and Other Groundfish are from Seastate.

\* Catches from Amendment 69 contractual fishing by three nonUFC vessels are included in three UFC vessel totals.

\*\* Chinook and other salmon counts per vessel by season and number of appearances of each vessel on the weekly "dirty 20" list (D2)

**Exhibit 7. BSAI sideboard limits and aggregate catch for the UniSea Fleet Cooperative member vessels, 2016.**

BSAI Sideboard Species Limits from 2016 Final Specs Table 23 Area/Species/Season	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)	Difference Over "+" (mt) Under "-" (mt)
BSAI Pacific cod	42,734	4,661	0	4,661	3,555	-1,106
BS Sablefish	44	NA	NA	NA	0	NA
AI Sablefish	21	NA	NA	NA	0	NA
Eastern BSAI Atka mackerel	82	NA	NA	NA	1	NA
Central AI Atka mackerel	2	NA	NA	NA	0	NA
Western AI Atka mackerel	0	NA	NA	NA	0	NA
BSAI rock sole	1,739	NA	NA	NA	64	NA
BS Greenland turbot	147	NA	NA	NA	0	NA
AI Greenland turbot	3	NA	NA	NA	0	NA
BSAI arrowtooth flounder	821	NA	NA	NA	9	NA
BSAI Kamchatka flounder	293	NA	NA	NA	0	NA
BSAI Alaska plaice	544	NA	NA	NA	1	NA
BSAI other flatfish	94	NA	NA	NA	10	NA
BSAI flathead sole	947	NA	NA	NA	35	NA
BS Pacific ocean perch	680	NA	NA	NA	51	NA
Eastern AI Pacific ocean perch	54	NA	NA	NA	0	NA
Central AI Pacific ocean perch	16	NA	NA	NA	0	NA
Western AI Pacific ocean perch	0	NA	NA	NA	0	NA
BSAI northern rockfish	32	NA	NA	NA	0	NA
BSAI shortraker rockfish	1	NA	NA	NA	0	NA
EBS/EAI rougheye rockfish	0	NA	NA	NA	0	NA
CAI/WAI rougheye rockfish	1	NA	NA	NA	0	NA
BS other rockfish	2	NA	NA	NA	1	NA
AI other rockfish	5	NA	NA	NA	0	NA
BSAI skates	1,196	NA	NA	NA	0	NA
BSAI sculpins	207	NA	NA	NA	0	NA
BSAI sharks	7	NA	NA	NA	0	NA
BSAI squid	488	NA	NA	NA	31	NA
BSAI octopuses	22	NA	NA	NA	0	NA
<b>Co-op All Species Sideboard Total</b>	<b>50,182</b>	<b>NA</b>	<b>0</b>	<b>NA</b>	<b>3,757</b>	<b>-1,106</b>

PSC limited halibut for Bering Sea  
Directed cod fishery -----> 36

Note: Some totals are rounded. Catch totals are from Seastate data  
Yellowfin sole exempted as sideboard species by 679.64(b)(6).

\* UFC sideboard allocations are made from total AFA CV sideboard limit when a directed fishery may occur - for 2016 this was for Pacific cod only as directed fishing is prohibited (see Table 23, 81FR14773) for all BSAI sideboard species except Pacific cod and yellowfin sole (see note\* above).

\*\* Final sideboard limit totals may also include amounts withheld for bycatch requirements.

## Exhibit 8. GOA sideboard limits and aggregate catch for the UniSea Fleet Cooperative member vessels, 2016.

GOA Sideboard Species Limits from 2016 Final Specs Table 18 Area/Species/Season	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)	Difference Over "+-" (mt) Under "-." (mt)	
Area 610 "A" season pollock	2,314	387	-350	37	0	-37	
Area 620 "A" season pollock	5,062	4	0	4	0	-4	
Area 630 "A" season pollock	2,526	43	0	43	0	-43	
Area 610 "B" season pollock	2,313	387	-350	37	0	-37	
Area 620 "B" season pollock	5,922	4	0	4	0	-4	
Area 630 "B" season pollock	1,031	17	0	17	0	-17	
Area 610 "C" season pollock	14,767	2,964	-1,000	1,964	0	-1,964	
Area 620 "C" season pollock	1,798	2	0	2	0	-2	
Area 630 "C" season pollock	4,020	79	0	79	0	-79	
Area 610 "D" season pollock	14,767	2,471	0	2,471	0	-2,471	
Area 620 "D" season pollock	1,797	1	0	1	0	-1	
Area 630 "D" season pollock	4,020	68	0	68	0	-68	
Area 640 Annual pollock	3,267	1,774	0	1,774	0	-1,774	
Area 650 Annual pollock	3,467	NA	NA	NA	0	NA	
Western "A" season GOA Pacific cod	2,264	257	0	257	0	-257	
Central "A" season GOA Pacific cod	1,536	29	0	29	0	-29	
Western "B" season GOA Pacific cod	1,509	171	0	171	0	-171	
Central "B" season GOA Pacific cod	1,024	19	0	19	0	-19	
Eastern Annual inshore GOA Pacific cod	47	NA	NA	NA	0	NA	
Eastern Annual offshore GOA Pacific cod	5	NA	NA	NA	0	NA	
Western GOA sablefish	0	0	0	0	0	0	
Central GOA sablefish	52	NA	NA	NA	0	NA	
Eastern GOA sablefish	8	NA	NA	NA	0	NA	
Western GOA shallow-water flatfish	207	0	0	0	0	0	
Central GOA shallow-water flatfish	1,130	2	0	2	0	-2	
Eastern GOA shallow-water flatfish	54	0	0	0	0	0	
Western GOA deep-water flatfish	0	0	0	0	0	0	
Central GOA deep-water flatfish	226	0	0	0	0	0	
Eastern GOA deep-water flatfish	71	0	0	0	0	0	
Western GOA rex sole	1	0	0	NA	0	NA	
Central GOA rex sole	171	0	0	NA	0	NA	
Eastern GOA rex sole	5	0	0	NA	0	NA	
Western GOA arrowtooth flounder	30	0	0	0	0	0	
Central GOA arrowtooth flounder	2,100	0	0	0	0	0	
Eastern GOA arrowtooth flounder	3	0	0	0	0	0	
Western GOA flathead sole	31	0	0	NA	0	NA	
Central GOA flathead sole	328	0	0	NA	0	NA	
Eastern GOA flathead sole	3	0	0	NA	0	NA	
Western GOA Pacific ocean perch	6	NA	NA	NA	0	NA	
Central GOA Pacific ocean perch	1,274	NA	NA	NA	0	NA	
Eastern GOA Pacific ocean perch	217	NA	NA	NA	0	NA	
Western GOA northern rockfish	0	NA	NA	NA	0	NA	
Central GOA northern rockfish	98	NA	NA	NA	0	NA	
Western GOA shortraker rockfish	0	0	0	0	0	0	
Central GOA shortraker rockfish	7	NA	NA	NA	0	NA	
Eastern GOA shortraker rockfish	10	NA	NA	NA	0	NA	
Western GOA dusky rockfish	0	0	0	0	0	0	
Central GOA dusky rockfish	0	0	0	0	0	0	
Eastern GOA dusky rockfish	2	0	0	0	0	0	
Western GOA rougheye rockfish	0	0	0	0	0	0	
Central GOA rougheye rockfish	17	NA	NA	NA	0	NA	
Eastern GOA rougheye rockfish	6	NA	NA	NA	0	NA	
SEO GOA demersal shelf rockfish	0	NA	NA	NA	0	NA	
Western GOA thornyhead rockfish	8	NA	NA	NA	0	NA	
Central GOA thornyhead rockfish	28	NA	NA	NA	0	NA	
Eastern GOA thornyhead rockfish	19	NA	NA	NA	0	NA	
Central GOA other rockfish	261	NA	NA	NA	0	NA	
Eastern GOA other rockfish	0	0	0	0	0	0	
GOA Atka mackerel	62	NA	NA	NA	0	NA	
Western GOA big skates	6	NA	NA	NA	0	NA	
Central GOA big skates	12	NA	NA	NA	0	NA	
Eastern GOA big skates	7	NA	NA	NA	0	NA	
Western GOA longnose skates	0	0	0	0	0	0	
Central GOA longnose skates	16	NA	NA	NA	0	NA	
Eastern GOA longnose skates	4	NA	NA	NA	0	NA	
GOA other skates	12	NA	NA	NA	0	NA	
GOA sculpins	35	NA	NA	NA	0	NA	
GOA sharks	28	NA	NA	NA	0	NA	
GOA squids	7	NA	NA	NA	0	NA	
GOA octopuses	31	NA	NA	NA	0	NA	
Co-op All Species Sideboard Total	80,049	0	8,677	-1,700	6,977	0	-6,977

Note: Some totals are rounded. Catch totals are from UFC & Seastate data.

\* UFC sideboard allocations are made from total AFA CV sideboard limit (Table 18, 81FR14740) when a directed fishery may occur.

\*\* Final sideboard limit totals may also include amounts withheld for bycatch requirements.

Exhibit 9. Comparison of UniSea Fleet Cooperative member vessels directed Bering Sea Pacific cod catches with final allocations, 2016.

Boat	Total Co-op Cod Allocation (MT)	UFC Transfers In(+), Out(-) (MT)	UFC Final Cod Allocation (MT)	<i>Directed</i> Bering Sea Cod Catch (MT)	Difference Over (+) Under (-) (MT)
Alsea	307	-223	84	0	-84
Argosy	342	0	342	0	-342
Auriga	0	0	0	0	0
Aurora	0	0	0	0	0
Defender	15	0	15	0	-15
Fierce Allegiance	180	-156	24	0	-24
GunMar	0	0	0	0	0
Nordic Star	784	+48	832	729	-103
Starfish	434	+528	962	814	-148
Starlite	428	-372	57	0	-57
Starward	785	+6	791	687	-104
Seadawn	772	+168	940	1,001	+61
Morning Star (57')	0	0	0	0	0
UFC Total	4,047	0	4,047	3,232	-858

Note: Some totals may not add due to rounding. Catch totals are from Seastate data.

Exhibit 10. Directed Pacific cod fishing catch and bycatch for the UniSea Fleet Cooperative member vessels, 2016.

Boat	Directed Bering Sea Pacific cod Catch (MT)	Other Groundfish Catch (MT)	Halibut Mortality (MT)	Herring Catch (MT)	Red King Crab (#)	<i>bairdi</i> Tanner Crab (#)	Other Tanner Crab (#)	Chinook Salmon (#)	Other Salmon (#)
Alsea	0	0	0	0	0	0	0	0	0
Argosy	0	0	0	0	0	0	0	0	0
Auriga	0	0	0	0	0	0	0	0	0
Aurora	0	0	0	0	0	0	0	0	0
Defender	0	0	0	0	0	0	0	0	0
Fierce Allegiance	0	0	0	0	0	0	0	0	0
GunMar	0	0	0	0	0	0	0	0	0
Nordic Star	729	40	6	0	0	533	0	0	0
Starfish	814	44	9	0	0	343	0	1	0
Starlite	0	0	0	0	0	0	0	0	0
Starward	687	33	5	0	0	137	0	1	0
Seadawn	1,001	78	4	0	0	49	0	0	0
Morning Star (57')	0	0	0	0	0	0	0	0	0
<b>UFC Total</b>	<b>3,232</b>	<b>195</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>1,062</b>	<b>0</b>	<b>2</b>	<b>0</b>

\* Some totals are rounded to nearest metric ton or number of animals.

Note: Catch and PSC totals are from Seastate data.

Exhibit 11. Transfers of UniSea Fleet Cooperative Gulf of Alaska pollock sideboard limits to other catcher vessel co-ops, 2016.

Gulf Area/Season	Transfers To	Transfer Amount (MT)
Pollock 610 A	HSCC - Jan Jacobs	350
Pollock 610 B	HSCC - Jan Jacobs	350
Pollock 610 C	HSCC - Jan Jacobs	1000
Total GOA Transfers		1,000

Exhibit 12. UniSea Fleet Cooperative vessel-by-vessel prohibited species catch, 2016.

Boat	Halibut Mortality (MT)	Herring Catch (MT)	Red King Crab (#)	<i>bairdi</i> Tanner Crab (#)	Other Tanner Crab (#)	Chinook Salmon (#)	Other Salmon (#)
Alsea	0	8	0	0	0	140	4,446
Argosy	0	38	0	0	0	148	957
Auriga	0	26	0	0	0	296	8,996
Aurora	2	64	0	0	0	258	7,003
Defender	0	1	0	0	0	308	18,365
Fierce Allegiance	0	74	0	0	0	214	706
GunMar	0	0	0	0	0	0	0
Nordic Star	6	38	0	533	0	110	1,124
Starfish	9	5	0	343	0	136	3,068
Starlite	0	19	0	0	0	151	2,750
Starward	5	18	0	137	0	199	3,271
Seadawn	4	1	0	49	0	92	2,531
Morning Star (57')	0	0	0	0	0	0	0
<b>UFC Total</b>	<b>27</b>	<b>292</b>	<b>0</b>	<b>1,062</b>	<b>0</b>	<b>2,052</b>	<b>53,218</b>

\* Some totals are rounded to nearest metric ton or number of animals.

Note: PSC totals are from Seastate data.

Exhibit 13. UniSea Fleet Cooperative vessel-by-vessel sideboard species catch (landed and discarded mt), 2016.

Groundfish Spp/Area	Alesa*	Argosy	Auriga	Aurora	Defender*	Fierce Alleg.	Mar-Gun	Nordic Star	Starfish*	Starlite	Starward	Seadawn	UFC Ttl	
Landed Catch (mt)	Pcod BSAI	22	38	29	32	32	26	0	761	846	16	714	1,037	3,553
	Sablefish BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Atka mack. BSAI	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rock sole BSAI	1	0	1	1	7	11	0	0	1	0	0	2	25
	Turbot BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arrowtooth BSAI	3	0	0	0	1	0	0	0	0	0	0	0	6
	Kam. flound. BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	AKPlaice BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Oflats BSAI	2	1	0	0	0	0	0	0	0	0	0	0	4
	Flathead BSAI	7	1	2	1	3	4	0	1	3	0	1	3	26
	POP BS	5	8	5	4	5	3	0	8	4	3	4	1	48
	POP AI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Northern RF BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shortraker BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rougheye BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	ORockfish BS	0	0	0	0	0	0	0	0	0	0	0	0	1
	ORockfish AI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Skates BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sculpins BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sharks BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
Squid BSAI	2	4	2	6	0	4	0	5	2	0	3	3	31	
Octopus BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0	
Yellowfin BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0	
Discarded Catch (mt)	Pcod BSAI	0	0	0	0	0	0	0	0	0	0	0	0	1
	Sablefish BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Atka mack. BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rock sole BSAI	0	0	0	0	0	0	0	9	0	8	13	39	
	Turbot BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Arrowtooth BSAI	0	0	0	0	0	0	0	1	1	0	1	1	3
	Kam. flound. BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	AKPlaice BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Oflats BSAI	0	0	0	0	0	0	0	1	1	0	0	4	5
	Flathead BSAI	0	0	0	0	0	0	0	2	2	0	2	3	9
	POP BS	0	0	0	0	0	0	0	0	0	0	0	0	2
	POP AI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Northern RF BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shortraker BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rougheye BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	ORockfish BS	0	0	0	0	0	0	0	0	0	0	0	0	0
	ORockfish AI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Skates BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sculpins BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sharks BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0
Squid BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0	
Octopus BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0	
Yellowfin BSAI	0	0	0	0	0	0	0	0	0	0	0	0	0	

Note: some totals are rounded  
Total landings and discards of BSAI sideboard species by vessel are provided by Seastate and represent all directed or incidental catch (both landings and discards) taken in all UFC fishing in 2016. F/V Morning Star (57) did not fish in the Bering Sea in 2016. Yellowfin sole is shown but is not a sideboard species in 2016.  
\* Includes catches from three vessels during Amendment 69 contract fishing.



## ATTACHMENT 1

UFC MEMBERSHIP AGREEMENT 2016 ADDENDUM

UNISEA FLEET COOPERATIVE  
MEMBERSHIP AGREEMENT  
2016 ADDENDUM

Each of the undersigned hereby acknowledges and agrees that the terms and conditions of the UniSea Fleet Cooperative Amended and Restated Membership Agreement dated as of September 24, 2010, as amended by a First Amendment to Amended and Restated Membership Agreement dated as of January 4, 2011, and Membership Agreement Addendums dated as of November 16, 2010, and November 9, 2011 (collectively, the "Membership Agreement"), is in full force and effect, and binds the undersigned for the year 2016, and that the Exhibit A attached hereto replaces in its entirety the existing Exhibit A to the Membership Agreement.

Each of the undersigned hereby certifies that each of its member vessels as identified on the attached Exhibit A: (i) is a "qualified catcher vessel" within the meaning of 50 CFR 679.4(6)(ii)(D); (ii) delivered more pollock to UniSea, Inc. than to any other AFA inshore processor or stationary floating processor in the last year in which the vessel engaged in directed fishing for pollock in the BSAI for delivery to the inshore sector; (iii) is otherwise eligible to fish for groundfish in the BSAI; (iv) has an AFA catcher vessel permit with an inshore endorsement; (v) has no permit sanctions or other type of sanctions against it that would prevent it from fishing for groundfish in the BSAI; and (vi) is named on a valid LLP permit authorizing the vessel to engage in trawling for pollock in the Bering Sea.


Each of the undersigned further certifies that (a) at least 80 percent of the owners of the qualified catcher vessels are parties to the Membership Agreement; and (b) that the Membership Agreement requires that the Cooperative deliver at least 90% of its BSAI Pollock catch to its designated AFA processor.

Dated effective as of November 13, 2015.

RONDYS, INC.

By: \_\_\_\_\_  
Name: Margaret Hall  
Title: General Manager

DONA MARTITA LLC

By:   
Name: Robert Desautel  
Title: Managing Member

AURIGA/AURORA GENERAL  
PARTNERSHIP

By: \_\_\_\_\_  
Name: Jeff Hendricks  
Title: Manager

FIERCE ALLEGIANCE LLC

By: R&B Fisheries, Inc.  
Its: Manager

By: \_\_\_\_\_  
Name: Rick Mezich  
Title: President

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Dated effective as of November 13, 2015.

RONDYS, INC.

By: M. Hall  
Name: Margaret Hall  
Title: ~~General Manager~~ *V. President, Operations*

DONA MARTITA LLC

By: \_\_\_\_\_  
Name: Robert Desautel  
Title: Managing Member

AURIGA/AURORA GENERAL  
PARTNERSHIP

By: \_\_\_\_\_  
Name: Jeff Hendricks  
Title: Manager

FIERCE ALLEGIANCE LLC  
By: R&B Fisheries, Inc.  
Its: Manager

By: \_\_\_\_\_  
Name: Rick Mezich  
Title: President

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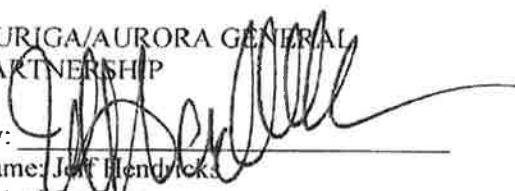
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By: \_\_\_\_\_  
Name: Margaret Hall  
Title: General Manager

AURIGA/AURORA GENERAL  
PARTNERSHIP

By:   
Name: Jeff Hendricks  
Title: Manager

DONA MARTITA LLC

By: \_\_\_\_\_  
Name: Robert Desautel  
Title: Managing Member

FIERCE ALLEGIANCE LLC

By: R&B Fisheries, Inc.  
Its: Manager

By: \_\_\_\_\_  
Name: Rick Mezich  
Title: President

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RONDYS, INC.

By: \_\_\_\_\_  
Name: Margaret Hall  
Title: General Manager

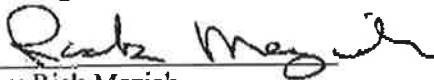
DONA MARTITA LLC

By: \_\_\_\_\_  
Name: Robert Desautel  
Title: Managing Member

AURIGA/AURORA GENERAL  
PARTNERSHIP

By: \_\_\_\_\_  
Name: Jeff Hendricks  
Title: Manager

FIERCE ALLEGIANCE LLC  
By: R&B Fisheries, Inc.  
Its: Manager

By:   
Name: Rick Mezich  
Title: President

FISHING VESSEL MORNING STAR LLC  
By: R&B Fisheries, Inc.  
Its: Manager

By: *Rick Mezich*  
Name: Rick Mezich  
Title: President

FY FISHERIES, INC.

By: \_\_\_\_\_  
Name: Fred Yeck  
Title: President

STARLITE FISHERIES, LLC  
By: R&B Fisheries, Inc.  
Its: Manager

By: *Rick Mezich*  
Name: Rick Mezich  
Title: President

MARGUN ENTERPRISES LLC

By: \_\_\_\_\_  
Name: Gunnar Ildhuso, Jr.  
Title: Manager

UNISEA FLEET COOPERATIVE

By: \_\_\_\_\_  
Name: Jeff Hendricks  
Title: President

F/V NORDIC STAR LLC  
By: Aleutian Spray Fisheries, Inc.  
Its: Managing Member

By: \_\_\_\_\_  
Name: Chris Swasand  
Title: President

F/V STARFISH, LLC  
By: R&B Fisheries, Inc.  
Its: Manager

By: *Rick Mezich*  
Name: Rick Mezich  
Title: President

STARWARD FISHERIES, LLC  
By: R&B Fisheries, Inc.  
Its: Manager

By: *Rick Mezich*  
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Its: Manager

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By: R&B Fisheries, Inc.

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MARGUN ENTERPRISES LLC

By: \_\_\_\_\_

Name: Gunnar Ildhuso, Jr.

Title: Manager

UNISEA FLEET COOPERATIVE

By:  \_\_\_\_\_

Name: Jeff Hendricks

Title: President

**FISHING VESSEL MORNING STAR LLC**

By: R&B Fisheries, Inc.  
Its: Manager

By: \_\_\_\_\_  
Name: Rick Mezich  
Title: President

**FY FISHERIES, INC.**

By: \_\_\_\_\_  
Name: Fred Yeck  
Title: President

**STARLITE FISHERIES, LLC**

By: R&B Fisheries, Inc.  
Its: Manager

By: \_\_\_\_\_  
Name: Rick Mezich  
Title: President

**MARGUN ENTERPRISES LLC**


By: \_\_\_\_\_  
Name: Gunnar Ildhuso, Jr.  
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By: \_\_\_\_\_  
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By: \_\_\_\_\_  
Name: Rick Mezich  
Title: President

UNISEA FLEET COOPERATIVE  
EXHIBIT A  
 TO 2016 ADDENDUM

BERING SEA POLLOCK FISHERY  
 HARVEST SCHEDULE

This Harvest Schedule is based on the best information available to the Members at the time of its preparation. It will be amended from time to time pursuant to the terms of the Cooperative's Membership Agreement.

<i>MEMBER</i>	<i>VESSEL(S)</i>	<i>PERCENTAGE OF ALLOCATION</i>
Rondys, Inc.	ALSEA – ON 626517 ARGOSY – ON 611365	8.1264% 7.9774%
Aurora/Auriga General Partnership	AURIGA – ON 639547 AURORA – ON 636919	15.1347% 15.1388%
Dona Martita LLC	DEFENDER – ON 554030	15.7608%
Fierce Allegiance LLC	FIERCE ALLEGIANCE ON 588849	4.2441%
Margun Enterprises LLC	MAR-GUN – ON 525608	0.4721%

<i>MEMBER</i>	<i>VESSEL(S)</i>	<i>PERCENTAGE OF "ALLOCATION"</i>
Fishing Vessel Morning Star LLC	MORNING STAR – ON 1037811	2.3943%
F/V Nordic Star LLC	NORDIC STAR – ON 584684	6.2721%
F/V Starfish, LLC	STARFISH – ON 561651	6.8407%
FY Fisheries, Inc.	SEADAWN – ON 548685	6.3854%
Starlite Fisheries, LLC	STARLITE - ON 597065	5.5454%
Starward Fisheries, LLC	STARWARD - ON 617807	5.7079%
<b>Total</b>		<b>100.000%</b>