

Annual Report  
of the  
Mothership Fleet Cooperative  
2021

Presented to the  
North Pacific Fishery Management Council  
April 1, 2022

## Introduction

In 2021 the mothership sector (as defined in Section 208 (c) and (d) of the American Fisheries Act) managed its Bering Sea pollock allocation under the provisions of a cooperative agreement. All nineteen of the catcher vessels qualified to participate in the mothership sector are members of the “Mothership Fleet Cooperative” (MFC) and are bound by the terms of that cooperative’s membership agreement. Only fourteen of the nineteen vessels belonging to the MFC participated in Alaska groundfish fisheries in 2021. Ownership of one vessel changed mid-year, between the A and B season fishery. The mothership sector is assigned 10% of the BSAI directed pollock quota as per Section 206 (b) of the American Fisheries Act (AFA).

As in previous years, the MFC is a signatory to the 2021 Intercooperative Agreement, the Cod Allocation Agreement, and the Bering Sea Salmon Bycatch Data Sharing Agreement. Chinook salmon is managed under the NMFS approved Mothership Salmon Savings Incentive Program (MSSIP).

## Reporting Requirements

This report is intended to fully disclose all information required and identified for inclusion in an annual report to the North Pacific Fishery Management Council pursuant to Section 210 (a)(1) A and B of the American Fisheries Act and 50 C.F.R. 679.61(f) (American Fisheries Act Management Measures).

## Mothership Fleet Cooperative Shares

Membership in the MFC consists of all 19 eligible catcher vessels. Each vessel has a cooperative share representing its percentage share of the directed pollock quota allocation by the AFA to the mothership sector. Vessel names, owners, and their cooperative shares are listed in Table 1 below. Please note the distribution of shares was changed for the Ocean Leader and the Alyeska in mid-season 2021. The Western Dawn is listed twice as there was an ownership change during the fishery between A and B season.

**Table 1. Mothership Fleet Cooperative Share Percentages**

<b>Co-op Member</b>	<b>Vessel(s)</b>	<b>Cooperative Share</b>
Alakanuk Beauty LLC	American Beauty	6.000%
Emmonak Leader LLC	Ocean Leader	6.549%
<b>F/V Western Dawn LLC – A season</b>	Western Dawn	4.150%
<b>GAS Western Dawn LLC – B season</b>	Western Dawn	
Fury Group, Inc.	Nordic Fury	6.177%
	Pacific Fury	5.889%
Vanguard Fisheries LLC	Vanguard	5.350%
Great West Seafoods, L.P.	Margaret Lyn	5.643%
Katahdin, Inc.	Misty Dawn	3.569%
Kydaka Corporation	California Horizon	3.786%
MarGun Enterprises, LLC	Mar-Gun	6.251%
Mark I, Inc.	Mark I	6.251%
Meddar Corporation	Aleutian Challenger	4.926%
Ocean Thunder, Inc.	Papado II	2.953%
Oceanic Fisheries, LLC	Oceanic	7.038%
Pacific Dawn LLC	Pacific Challenger	9.671%
Phoenix Processor Limited Partnership	Morning Star	3.601%
Traveler Fisheries LLC	Traveler	4.272%
Vesteraalen L.L.C.	Vesteraalen	6.201%
Wa’atch, Inc.	Alyeska	1.813%
<b>TOTAL</b>		<b>100%</b>

## Transfer of Shares Between Catcher Vessels

The Mothership Fleet Cooperative Membership Agreement allows members of the coop to transfer cooperative shares among themselves. Transfers of quota made within a fleet of catcher vessels delivering to a particular mothership (intra-fleet) must be reported to that mothership at the time of delivery. Both intra- and inter-fleet transfers occurred in 2021.

## Catch Monitoring

The MFC has contracted with Sea State, Inc. to process the catch data provided by the NMFS observer program and to provide in-season management support. Sea State regularly provides catch reports to each mothership fleet. These reports include cumulative fleet-wide and vessel-level catch data as well as a tow-by-tow summary. Fleet managers are able to reconcile the tow-by-tow catch information provided by Sea State against their own catch records to identify possible data errors and insure accurate catch accounting throughout the fishing season.

## Catch and Bycatch of Groundfish and Prohibited Species

The harvest and bycatch of non-pollock and prohibited species (PSC) in the Bering Sea, Aleutian Islands, and Gulf of Alaska is limited by sideboards. The Mothership Fleet Cooperative Membership Agreement authorized the cooperative board to allocate sideboard amounts available for directed harvest to each catcher vessel in the cooperative in amounts pro-rated to each boat's catch history.

The Mothership Fleet Cooperative Membership Agreement provides that PSC sideboard apportionments may be administered as aggregate caps within the mothership sector. Where necessary and appropriate, the cooperative board is authorized to allocate PSC apportionments to individual vessels. The board is further authorized to order a vessel to stop fishing if that vessel exceeds an assigned apportionment or rate, and to obtain an injunction restraining the activity of any vessel that fails to heed such an order. PSC was not assigned to individual vessels in 2021. Vessels were given guidelines to help reduce bycatch.

Vessels in the Mothership Fleet Cooperative participated in the BSAI P. Cod sideboarded fishery only. As mentioned elsewhere in this report, dual qualified vessels (inshore and Mothership) were managed under their inshore cooperative for all sideboarded fisheries other than the BSAI P. Cod fishery.

The 2021 BSAI Pacific Cod Fishery was also managed as part of the voluntary Catch Share Program. This was done to allow for full utilization of the fishery and to facilitate a stand down provision designed to reduce Halibut bycatch in that fishery. None of the sideboard caps were exceeded by the Mothership Fleet Cooperative in 2021. All Pollock was delivered to motherships operating in federal waters of the U.S. EEZ adjacent to the State of Alaska.

## Penalties

The Mothership Fleet Cooperative Agreement includes provisions allowing penalties to be assessed against vessels that exceed their agreed harvest share of pollock and non-pollock species. In 2021 penalties were set at \$800 per metric ton for pollock harvested in excess of a vessel's allocation. The penalty for overages in the non-pollock fisheries includes \$1500 per metric ton of cod harvest in excess of an allocation, \$300 per metric ton for over-harvests of all other flatfish fisheries. Penalties were also established for exceeding assigned PSC caps as well, \$1,000 X the PSC rate X the amount of excess PSC.

The Mothership Fleet Cooperative assessed no penalties in 2021.

## 2021 Directed Pollock Fishery Results

**Table 2. 2021 Mothership Fleet Co-op Pollock Allocations and Harvest - MT**

Catcher	Co-op %	Co-op MT	Actual MT	Actual %
Aleutian Challenger	4.93%	5,914.16	8,578.73	7.145%
Alyeska	1.18%	2,176.69	-	-
American Beauty	6.00%	7,203.60	7,825.80	6.518%
California Horizon	3.79%	4,545.47	-	-
Mar-Gun	6.25%	7,504.95	-	-
Margaret Lyn	5.64%	6,774.99	7,140.87	5.948%
Mark I	6.25%	7,504.95	13,645.28	11.365%
Misty Dawn	3.57%	4,284.94	12,537.53	10.443%
Morning Star	3.60%	4,323.36	-	-
Nordic Fury	6.18%	7,416.11	3,657.15	3.046%
Ocean Leader	6.46%	7,754.68	6,112.68	5.091%
Oceanic	7.04%	8,449.82	9,237.92	7.694%
Pacific Challenger	9.67%	11,611.00	9,767.90	8.136%
Pacific Fury	5.89%	7,070.33	11,552.51	9.622%
Papado II	2.95%	3,545.37	-	-
Traveler	4.27%	5,128.96	8,297.52	6.911%
Vanguard	5.35%	6,423.21	11,551.27	9.621%
Vesteraalen	6.20%	7,444.92	8,086.26	6.735%
Western Dawn	4.15%	4,982.49	2,010.60	1.675%
<b>Total Harvest</b>	<b>100.00%</b>	120,060.00	120,002.02	99.952%
Unharvested			57.98	0.048%

**Table 3. PSC Bycatch in 2021 Mothership Fleet Co-op Directed Pollock Fishery by Vessel**

Catcher	Halibut mortality (mt)	Herring (mt)	Red king crab	C bairdi (N)	C opilio (N)	Chinook A (N)	Chinook B (N)	Other salmon A (N)	Other salmon B (N)
Aleutian Challenger	0.10	19.37	-	-	-	62	19	-	1,491
Alyeska			-	-	-	-	-	-	-
American Beauty	0.13	6.23	-	-	-	34	7	1	164
California Horizon			-	-	-	-	-	-	-
Mar-Gun			-	-	-	-	-	-	
Margaret Lyn	-	11.38	-	-	-	-	26	-	8,507
Mark I	0.33	17.00	-	-	-	59	19	1	8,759
Misty Dawn	0.23	13.61	-	-	-	66	21	1	7,445
Morning Star			-	-	-	-	-	-	-
Nordic Fury	0.09	3.50	-	-	-	29	7	-	294
Ocean Leader	0.13	19.24	-	-	-	63	4	-	107
Oceanic	0.41	4.19	-	3	-	63	12	1	5,708
Pacific Challenger	1.54	7.20	-	-	-	70	6	1	282
Pacific Fury	0.21	24.71	-	3	-	43	17	-	7,368
Papado II			-	-	-	-	-	-	-
Traveler	0.25	9.85	-	11	-	57	49	3	1,202
Vanguard	0.21	34.29	-	-	-	54	20	1	9,181
Vesteraalen	0.40	6.09	-	-	3	84	15	2	30
Western Dawn	0.09	2.51	-	-	-	17	-	-	-
<b>TOTAL</b>	<b>5.38</b>	<b>179.16</b>	<b>0</b>	<b>17</b>	<b>3</b>	<b>701</b>	<b>222</b>	<b>11</b>	<b>50,466</b>

**Table 4. Groundfish Bycatch in 2021 Mothership Fleet Co-op Directed Pollock Fishery by Vessel**

Catcher	P. Cod	Sablefish	Yellowfin Sole	Rock Sole	Flathead Sole	Alaska Plaice	Arrowtooth	POP	Squid	All Other
Aleutian Challenger	40.32	89.49	0.37	3.59	8.19	0.01	1.25	8.05	484.19	63.88
Alyeska	-	-	-	-	-	-	-	-	-	-
American Beauty	35.33	102.02	0.18	4.35	5.97	0.01	0.90	8.87	243.73	42.63
California Horizon	-	-	-	-	-	-	-	-	-	-
Mar-Gun	-	-	-	-	-	-	-	-	-	-
Margaret Lyn	5.06	0.36	-	0.01	0.18	-	0.55	14.71	9.80	23.82
Mark I	47.55	0.33	0.12	1.45	6.97	0.01	1.52	1.42	2.00	117.30
Misty Dawn	42.83	0.63	0.14	1.68	8.28	-	1.29	1.02	2.75	123.09
Morning Star	-	-	-	-	-	-	-	-	-	-
Nordic Fury	10.56	-	0.10	0.72	3.46	0.01	0.48	0.01	-	69.24
Ocean Leader	25.73	3.05	0.25	2.45	6.14	0.01	0.62	0.82	37.84	135.49
Oceanic	54.35	1.65	0.25	4.09	11.63	0.01	1.46	0.44	4.61	111.94
Pacific Challenger	37.22	243.59	0.16	3.94	12.14	-	2.10	21.39	750.46	137.44
Pacific Fury	38.06	0.84	0.19	4.07	8.22	0.01	1.13	9.16	11.13	86.83
Papado II	-	-	-	-	-	-	-	-	-	-
Traveler	18.73	0.52	0.05	1.18	4.04	-	0.63	0.35	0.24	95.23
Vanguard	54.44	95.46	0.42	3.65	7.56	0.04	2.08	17.79	270.28	137.64
Vesteraalen	50.68	1.85	0.27	2.53	8.37	0.03	1.17	0.11	0.17	89.54
Western Dawn	17.41	-	0.06	2.20	3.72	-	0.23	-	-	14.25
<b>TOTAL</b>	<b>478.27</b>	<b>539.79</b>	<b>2.56</b>	<b>35.91</b>	<b>94.86</b>	<b>0.14</b>	<b>15.41</b>	<b>84.15</b>	<b>1,817.20</b>	<b>1,248.30</b>

## Non-Pollock Groundfish Fisheries

In 2021 mothership catcher vessels participated in one fishery other than in the Bering Sea and Aleutian Islands directed pollock fishery, the BSAI Pacific cod fishery.

When developing recommendations for AFA groundfish harvesting sideboards, the North Pacific Fishery Management Council provided an annual exemption to mothership sector catcher vessels from sideboard limitations on harvests of BSAI Pacific cod after March 1.

The Mothership Fleet Cooperative is a signatory to the inter-cooperative agreements and was actively involved in the development of measures and protocols by which the catcher vessels insure compliance with the groundfish and PSC sideboard provisions.

Some of the catcher vessels qualified to participate in the Mothership Fleet Cooperative also participate in an inshore cooperative. Regardless of inshore eligibility, all catcher vessels qualified to participate in the mothership sector operate in the BSAI directed P. Cod fishery under the mothership sector groundfish and PSC sideboards. Other than the directed BSAI P. Cod sideboarded fishery, all “dual qualified” member vessels operated under the sideboard limitations of their prospective inshore cooperative.

PSC mothership cooperative catch and bycatch in sideboarded non-pollock BSAI groundfish fishery information is contained in the tables below. As detailed in these report tables, none of the mothership sector groundfish or PSC sideboard caps was exceeded. There were no GOA groundfish landings by non-dual qualified MFC vessels.



**Table 5. Mothership Fleet Cooperative 2021 BSAI Pacific Cod Sideboard Amounts and directed catch**

Vessel	% of Mothership	Transfers Inter co-op	Transfers Intra co-op	Cod Sideboard MT	Landed Cod RWE*
Aleutian Challenger	3.40%	256.21		336.42	388.63
Alyeska	1.13%		(26.66)	0.00	0.00
American Beauty	3.37%		200.71	280.22	280.22
California Horizon	4.42%			104.27	0.00
Mar-Gun	6.62%			156.17	0.00
Margaret Lyn	4.15%		(97.90)	0	0
Mark I	14.51%		(342.31)	0	0
Misty Dawn	0.00%			0	0
Nordic Fury	8.56%		99.87	301.81	301.81
Ocean leader	3.79%		(89.41)	0.00	0
Oceanic	12.97%		(22.68)	283.30	0
Morning Star/Pacific Alliance	0.25%			5.90	0
Pacific Challenger	10.27%			242.28	368.11
Pacific Fury	7.95%		(187.55)	0.00	0
Papado II	0.97%			22.88	0
Traveler	1.99%		440.21	487.16	73.54
Vanguard	0.98%	252.79	3.04	278.94	349.24
Vesteraalen	8.09%			190.85	0.00
Western Dawn	6.59%			155.47	284.69
<b>Total</b>	<b>100%</b>	<b>500.00</b>	<b>0</b>	<b>2845.68</b>	<b>2018.47</b>

\*Please note that these numbers are based on the best data available from shoreside and offshore landings with fish tickets. Landed Cod RWE also includes fish harvested after the March 1<sup>st</sup> exemption.

**Table 6. Mothership Fleet Cooperative Halibut Bycatch Mortality and PSC Bycatch in the 2021 Directed BSAI Pacific Cod Fishery\*.**

Vessel	Halibut Mortality (MT)	Chinook	Other salmon	King Crab	Bairdi	Opilio	Herring (MT)
Aleutian Challenger	0.72	0	0	0	0`	0	0
Alyeska	0	0	0	0	0	0	0
American Beauty	0.87	0	0	0	0	0	0
California Horizon	0	0	0	0	0	0	0
Mar-Gun	0	0	0	0	0	0	0
Margaret Lyn	0	0	0	0	0	0	0
Mark I	0	0	0	0	0	0	0
Misty Dawn	0	0	0	0	0	0	0
Nordic Fury	0.03	0	0	0	0	0	0
Ocean leader	0	0	0	0	0	0	0
Oceanic	0	0	0	0	0	0	0
Morning Star	0	0	0	0	0	0	0
Pacific Challenger	1.19	0	0	0	0	0	0
Pacific Fury	0	0	0	0	0	0	0
Papado II	0	0	0	0	0	0	0
Traveler	0.39	0	0	0	0	0	0
Vanguard	4.03	0	0	0	0	0	0
Vesteraalen	0	0	0	0	0	0	0
Western Dawn	1.33	0	0	0	0	0	0
<b>Total</b>	<b>8.53</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

\*Please note that groundfish and Halibut mortality numbers are based on data available from fish tickets and NMFS - they are based on extrapolated data.

## Salmon Bycatch Avoidance Reporting

As described above, the Mothership Fleet Cooperative is a signatory to the Bering Sea Salmon Bycatch Data Sharing Agreement and Mothership Salmon Savings Incentive Plan. In an effort to maximize the incentive to avoid salmon bycatch within the mothership fleet, the MFC continued use of an intra-fleet salmon bycatch reporting program for the 2021 “A” and “B” seasons. This program consists of a daily report from each mothership to the other two motherships and their fleet managers. This report, sent via e-mail, includes the amount of groundfish delivered during the previous day, the number of salmon, by species, in the delivered catch, the salmon bycatch rate for that day, and more specific information regarding any tows with a bycatch rate in excess of a pre-determined threshold. In addition to these daily reports, deliveries with high salmon bycatch were reported as an alarm. These reports are an efficient way to monitor “real-time” bycatch performance within the mothership fleet and an effective vehicle for “peer pressure”-motivated bycatch reduction.

## Salmon Avoidance Program

The number of salmon taken in 2021 is included in Tables 3 and 6. Amendment 110 superseded Amendment 84 such that chum salmon bycatch is managed under an Incentive Plan Agreement (see next section).”

## Mothership Salmon Savings Incentive Plan

Under Amendment 91 and 110, the Mothership Fleet Cooperative manages its Chinook and Chum salmon bycatch through an Incentive Plan Agreement approved by the National Marine Fisheries Service. The Mothership Salmon Savings Incentive Plan (MSSIP) consists of three key incentive measures: the ability to earn Salmon Savings Credits for use in later years, a Rolling Hotspot Closure (“RHC”) program that restricts access to fishing grounds where bycatch is unacceptably high, and a set of Best Management Practices that establish rules that participants agree upon as a condition of participation in the MSSIP.

As in previous years, in 2021, the Mothership Fleet Cooperative operated under the MSSIP. There is a separate report on results and catch under the Mothership Salmon Savings Incentive Program. No vessels were found to be in violation of any terms of the MSSIP.

## Summary

The Mothership Fleet Cooperative succeeded in harvesting its pollock allocations while staying within its groundfish and prohibited species sideboards. Thanks to fleet-wide use of salmon excluders and effective avoidance measures, the MFC maintained relatively low Chinook bycatch rates throughout the year and generated some Chinook Savings Credits as allowed under the MSSIP program rules. Through a coordinated industry effort, the MFC participated in the P. Cod directed fishery in a manner that resulted in full utilization and reduced bycatch.

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