

Whiting Mothership Cooperative

An Amendment 20 Mothership Catcher Vessel Cooperative

Annual Report on the 2021 Pacific Whiting Fishery

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Introduction

In March of 2011, the owners of the 37 trawl limited entry catcher vessel permits (MS/CV LEPs) endorsed for operation in the Mothership sector of the Pacific whiting fishery formed a fishing cooperative to coordinate harvesting efforts. This cooperative is the Whiting Mothership Cooperative (WMC). Following transfers of MSCV catch history assignments (CHAs), there are currently 34 endorsed permits, three of which carry two MSCV CHAs. The owners of all of the current MS/CV LEPs remained members in good standing for the 2021 fishing year.

The WMC receives an allocation of whiting based on the cumulative catch histories of the members of the cooperative. The WMC operates under the WMC Membership Agreement contract which allocates whiting to members proportionate to the contribution to the cooperative's allocation made by NMFS on the basis of the whiting catch history assigned to the Cooperative by the members.

One of the primary purposes of the WMC cooperative is the management of bycatch of constraining rockfish species and Chinook salmon. To that end the members of the WMC have all signed a WMC Bycatch Agreement that sets out the rules for modification of fishing behavior with which members are obligated to comply.

Purpose of Report

This report is intended to disclose all information required or identified in Federal Regulations at 50 CFR 660.113(d)(3). The catch data in this report is for the 2021 fishing year beginning May 15th and ending December 31st. The catch data was provided by Sea State, Inc. and was obtained from the NMFS – At-Sea Hake Observer Program.

Reporting Requirements

The required Annual Report elements (i-v) are found in the 50 CFR 660.113(d)(3)

(3) Annual coop report. The designated coop manager for the mothership coop must submit an annual report to NMFS and the Council by March 31 each year, before a coop permit is issued for that year. The annual coop report will contain information about the previous year's fishery, including:

(i) The mothership sector's annual allocation of Pacific whiting and the permitted mothership coop allocation;

(ii) The mothership coop's actual retained and discarded catch of Pacific whiting, salmon, Pacific halibut, rockfish, groundfish, and other species on a vessel-by- vessel basis;

(iii) A description of the method used by the mothership coop to monitor performance of coop vessels that participated in the fishery;

(iv) A description of any actions taken by the mothership coop in response to any vessels that exceed their allowed catch and bycatch; and

(v) Plans for the current year's mothership coop fishery, including the companies participating in the cooperative, the harvest agreement, and catch monitoring and reporting requirements.

(i) Annual allocation of Pacific whiting to the WMC coop

The Mothership sector of the Pacific Whiting fishery was initially allocated 72,961 tons of whiting, followed by a re-apportionment on September 15th of 8,314.8 tons, for a total of 81,275.8 tons. 100% of the Mothership sector whiting was allocated to the Whiting Mothership Cooperative.

(ii) The Mothership coop's actual retained and discarded catch of Pacific whiting, salmon, Pacific halibut, rockfish, groundfish, and other species on a vessel-by-vessel basis

All 34 of the current MS/CV endorsed trawl limited entry permit holders joined the Whiting Mothership Cooperative (WMC). As of December 31st, 2021, seventeen MS/CVs had fished in the MS sector of the 2021 whiting fishery, harvesting 35,130 tons of whiting. Data on the catch, as of December 31st 2021, of Whiting, Salmon, Halibut, Rockfish, Groundfish and Other Species, is shown in the tables attached tables 1 – 5 (Attachment 1). In interpreting the tables a cell with “0.00 mt” indicates at least a trace amount of this species was caught; a blank cell indicates no amount of that species was caught.

Note: Some species were not included in the table because there was no catch reported in the data. Salmon are reported in numbers. Halibut, Dungeness crab and eulachon data are reported in metric tons, as the data on numbers of fish was not available.

(iii) A description of the method used by the mothership coop to monitor performance of coop vessels that participated in the fishery

The WMC retains Sea State, Inc. as the Monitoring Agent for the coop. All WMC members provide confidentiality waivers to allow Sea State, Inc. to access NMFS Observer data and location data from VMS providers in real time.

The WMC provided Sea State, Inc. with a harvest schedule of each MS/CVs share of whiting and pro-rata portion of the allocated bycatch species. Sea State, Inc. queries the NORPAC observer database to obtain the Mothership observer reports on a daily basis. Sea State, Inc. uses this data to produce daily reports which are distributed by email to all WMC members, the Coop manager, and to the Mothership processors.

The Sea State, Inc. daily report shows several tables of information, including:

- daily catch and bycatch amounts for the fleet as a whole for most recent 10 days,
- the overall YTD rates and percent of whiting quota and bycatch harvested for the fleet in aggregate,
- the YTD bycatch rates for each Mothership’s fleet,
- the YTD bycatch rates and amounts for each vessel,
- the percent and amounts of whiting quota and bycatch allocations harvested by each seasonal pool,
- the balance of whiting available in each seasonal pool by vessel.

As MS/CV observers are debriefed, their data is incorporated into NORPAC and Sea State, Inc. updates its accounting accordingly. On the basis of the Sea State, Inc. data, the Coop manger audits vessel harvest amounts relative to the individual members’ share of the quota and transfers between members to see that the coop’s allocations are not exceeded.

In addition to the email distribution of the daily report, Sea State maintains a website for the Coop where members can access this information. The website also provides GIS mapping of VMS tracks of any hauls where bycatch rates exceed a base rate. These high bycatch maps are shared with the shorebased and catcher-processor cooperatives and provide members to identify historic and current hotspots with high resolution mapping.

A copy of a Sea State daily report from the last week of the fishery is included as Attachment 2.

(iv) A description of any actions taken by the mothership coop in response to any vessels that exceed their allowed catch and bycatch

No vessels exceeded their allowed whiting catch amounts under the Coop Agreement. The Coop makes vessel specific whiting allocations; however, the bycatch allocations are managed as a common pool resource. This is not to say that vessels are not subject to individual accountability for bycatch performance.

The Coop agreement includes a variety of measures that serve to mitigate against the possibility of exceeding allowed catch and bycatch limits. These include:

- Precautionary closures of past bycatch hotspots.
- Night fishing restrictions
- Fleet relocation triggers and fleet to fleet reporting
- Required test tows upon relocation to new fishing area
- In season “hot spot” closure authority
- Seasonal apportionments (“pools”) of whiting and bycatch allowances
- Sanctions against vessels that have exceeded a bycatch rate within a seasonal pool.

Precautionary Closures of Past Bycatch Hotspots

Prior to the beginning of the 2011 whiting fishery, the WMC created a “Bycatch Committee” which met several times to develop proposed closures that would apply seasonally. The committee reviewed GIS analysis of 10 years of at-sea observer data overlaid on fine scale bathymetry. The analysis included bycatch rates and amounts as well as amounts of whiting. VMS track-lines of high bycatch tows were also incorporated in the review. Additionally, the committee reviewed logbook information from individual captains’ historic directed rockfish experience, which provided insight into habitat associations for rockfish species.

The committee ended up recommending closure of 9 areas, totaling nearly 2000 km² which were adopted by the WMC board. The board also identified several other “cautionary” areas.

For the 2021 fishing season, the bycatch committee recommended retaining the bycatch avoidance measures adopted in 2020. The recommendations were adopted by the board.

Night Fishing

Based on the recommendations of the bycatch committee, the board retained the following night fishing restriction: From the annual opening date of the MS sector of the Pacific whiting fishery through

August 31 of such fishing year, no vessel harvesting Pacific whiting from the MS sector allocation shall fish between 10:00 pm and 5:30 am Pacific time *except outside 200 fathoms*. From September 1 through December 31 of such fishing year, no vessel harvesting Pacific whiting from the MS sector allocation shall fish between 10:00 pm and 5:30 am Pacific time, *except outside 100 fathoms*.

Fleet Relocation and Real Time Fleet to Fleet Reporting

The Coop established Base Rates which were based on the pro-rata amounts of bycatch allocations relative to whiting allocations to the MS sector. Each Mothership processor maintains a spreadsheet reporting its fleet performance, measured against the Base Rates. The spreadsheet reports are shared each day between all the processing ships.

Each fleet's performance relative to the Base Rates constitutes a trigger requiring the fleet to relocate if they encounter a bycatch "hotspot". Relocation is required in the event of any of the following situations:

- If a fleet's three day rolling average rate exceeds the Base Rate for any bycatch species, and that Fleet's cumulative year to date bycatch rate exceeds half of the Base Rate for that species,
- If a fleet's three day rolling average rate exceeds 125% of the Base Rate for a bycatch species
- If a fleet's bycatch rate during any single day exceeds 200% the Base Rate for a bycatch species,

This real time mechanism for response to bycatch encounters coupled with a requirement for test tows upon entering a new area, have served to limit bycatch.

In-season Hot Spot Closures

The WMC board delegated authority to Sea State, Inc. to impose "In-season Hot Spot Closures" if they perceive a problem. This authority was used during the 2018 season to respond to high Chinook encounters. In response to Shortbelly rockfish encounters in 2019, the WMC provided authority to the Coop manager to also implement and remove hotspot closures as necessary to avoid bycatch events.

Seasonal Pools

The Coop agreement provides for dividing the whiting allocation into five pools with various start dates. Each pool received a share of the bycatch allocations pro-rata to whiting. The Coop Agreement provides that if a pool reaches its share of the bycatch prior to harvesting its whiting allocation, the members of the pool must cease fishing.

Sanctions Against Member Vessels

In the event that a pool closes because of bycatch, if a member of that pool has a cumulative bycatch amount exceeding their pro-rata share by 25%, that vessel is restricted from harvesting additional whiting in a subsequent seasonal pool.

Closure of At-Sea Sectors

The WMC suspended fishing October 28, 2021. There were no violations of the WMC Bycatch Agreement.

(v) Plans for the next year's mothership coop fishery, including the companies participating in the cooperative, the harvest agreement, and catch monitoring and reporting requirements.

The WMC provides that membership in the Coop continues in the following year unless a member provides notice of intent to withdraw before November 1st. No members filed notice of intent to withdraw. The ownership of member permits is shown in Exhibit A of the WMC Membership Agreement (Attachment 3 & Exhibits) filed with the MS cooperative permit application NMFS for the 2022 season.

The WMC Membership Agreement was updated for 2022, clarifying the calculation used to define the 'Base Rate.' The board updated the terminology in the WMC Bycatch Agreement prior to the beginning of the 2020 season to clarify the hot spot closure authority provided to the manager and/or monitoring agent, the movement triggers and the night fishing restrictions

Attachments:

- 1-** WMC's actual retained and discarded catch of Pacific whiting, salmon, Pacific halibut, rockfish, groundfish, and other species on a vessel-by- vessel basis
- 2-** Sea State daily report from the last week of the fishery
- 3-** Companies participating in the Cooperative
- 4-** 2022 Addendum to WMC Membership Agreement (Base Rate Calculation)
- 5-** WMC Salmon Mitigation Plan Postseason Report

Attachment 1

WMC's actual retained and discarded catch of Pacific whiting, salmon, Pacific halibut, rockfish, groundfish, and other species on a vessel-by- vessel basis.

Table 1. Retained and discarded catch of Pacific whiting (mt) by vessel.

	Leslie Lee	Lisa Melinda	Marathon	Mark I	Miss Berdie	Miss Sarah	Muir Milach	Nordic Fury	Nordic Star	Pacific Challenger	Pegasus	Predator	Raven	Sea Storm	Seadawn	Seeker	Traveler	Total
Retained	1,606	1,836	2,454	1,526	1,926	1,371	2,015	1,134	2,222	1,136	555	2,685	2,006	4,855	3,092	3,243	1,152	34,815
Discarded	29.65	9.52	46.07	19.47	30.62	20.94	20.61	5.47	11.37	25.99	5.24	27.67	24.39	41.24	12.45	62.06	3.11	395.89

Table 2. Retained Salmonids by vessel (# fish)

	Leslie Lee	Lisa Melinda	Marathon	Mark I	Miss Berdie	Miss Sarah	Muir Milach	Nordic Fury	Nordic Star	Pacific Challenger	Pegasus	Predator	Raven	Sea Storm	Seadawn	Seeker	Traveler	Total
Coho Salmon	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	0.00	0.00	0.00
Chum Salmon	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	0.00	0.00	0.00
Chinook Salmon	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	2.00	0.00	0.00	0.00	2.00

Table 3. Discards Salmonids by vessel (# fish).

	Leslie Lee	Lisa Melinda	Marathon	Mark I	Miss Berdie	Miss Sarah	Muir Milach	Nordic Fury	Nordic Star	Pacific Challenger	Pegasus	Predator	Raven	Sea Storm	Seadawn	Seeker	Traveler	Total
Coho Salmon	0.00	0.00	0.00	2.00	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	2.00
Chum Salmon	0.00	8.00	0.00	0.00	0.00	0.00	17.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.00
Chinook Salmon	5.00	4.00	4.00	0.00	0.00	6.00	12.00	0.00	7.00	4.01	1.00	15.48	16.00	21.28	19.73	16.00	2.00	133.50

Table 4. Retained Non-whiting and non-salmonid catch by vessel (mt).

	Leslie Lee	Lisa Melinda	Marathon	Mark I	Miss Berdie	Miss Sarah	Muir Milach	Nordic Fury	Nordic Star	Pacific Challenger	Pegasus	Predator	Raven	Sea Storm	Seadawn	Seeker	Traveler
American Shad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17		0.00	0.00	0.00	0.03	0.14	0.00	0.03
Argentine Unidentified					0.00												
Arrowtooth Flounder	0.00	0.04	0.00	0.00	0.00	0.00	0.10	0.00	0.04	0.00		0.00	0.00	0.01	0.01	0.00	0.00
Ascidian - Sea Squirt - Tunicate Unident.	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
Aurora Rockfish					0.00										0.00		
Bank Rockfish		0.00			0.00		0.00								0.00		
Barracudina Unidentified					0.00												
Basket Starfish					0.00												
Big Skate	0.00		0.00	0.00	0.00				0.00				0.00				
Bird Unidentified					0.00												
Blue King Crab	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	0.00	0.00
Blue Shark		0.00	0.00		0.00	0.00	0.00		0.00			0.00		0.00		0.00	0.00
Bocaccio	0.00	0.22	0.00	0.00	0.00	0.00	0.10	0.00	0.39			0.00	0.00	0.01	0.01		0.00
Brittle Starfish Unidentified					0.00												
Brown Cat Shark	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	0.00
Canary Rockfish	0.00	0.12	0.00	0.00	0.00	0.01	0.04	0.00	0.03	0.03	0.04	0.00	0.00	0.01	0.08	0.02	0.00
Chilipepper Rockfish		0.00	0.00	0.00	0.00			0.00	0.00	0.01	0.00		0.00			0.00	
Codling Unidentified					0.00												
Corals-Bryozoans Unidentified					0.00												
Crab Unidentified					0.00												
Crinoids Unidentified					0.00												
Cutlassfish Unidentified					0.00												
Dark Blotched Rockfish	0.00	0.01	0.00	0.09	0.00	0.00	0.03	0.00	0.05	0.06	0.34	0.00	0.00	0.22	0.42	0.20	0.03
Deepsea Smelt Unidentified					0.00												
Dover Sole				0.00	0.00	0.00						0.00		0.00	0.00		
Dragonfish Unidentified		0.00			0.00		0.00		0.00								
Dreamer Unidentified					0.00												
Duckbill Barracudina		0.00		0.00	0.00		0.00		0.00								0.00
Eelpout Unidentified		0.00			0.00	0.00		0.00						0.00			
English Sole		0.00		0.00	0.00				0.00								0.00
Eulachon		0.00			0.00	0.00	0.00		0.00			0.00		0.00	0.00	0.00	
Fangtooth					0.00												
Fish Unidentified		0.00		0.00	0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00		
Fish Waste		0.00			0.00		0.00	0.00	0.00					0.00	0.00	0.00	0.00
Flatfish Unidentified		0.00			0.00									0.00	0.00		

Flathead Sole					0.00	0.00	0.00					0.00		0.00	0.00		
Golden King Crab	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	0.00	0.00
Greenstriped Rockfish	0.00				0.00												
Grenadier Unidentified		0.00			0.00				0.00			0.00					
Groovedtanner Crab	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	0.00	0.00
Gull Unidentified					0.00												
Hagfish Unidentified					0.00												
Hatchetfish Unidentified					0.00												
Hermit Crab Unidentified					0.00												
Invertebrate Unidentified					0.00		0.00						0.00				
Isopod					0.00		0.00			0.00		0.00					
Jack Mackerel	0.97	0.17	0.00		0.36	0.02	0.26		0.65	0.65	0.00	0.00	0.00	2.22	0.90	2.92	
Jellyfish	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	0.00	0.00
King-of-the-Salmon	0.00	0.30	0.00	0.00	0.00	0.00	0.25	0.00	0.26	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamprey Unidentified	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	0.00	0.00
Lanternfish Unidentified	0.00	0.01		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
Leech Unidentified				0.00	0.00			0.00									0.00
Lingcod		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.01	0.00	0.00		0.01	0.01	
Longnose Lancetfish	0.00		0.00	0.00	0.00			0.00	0.01	0.00		0.00			0.00		
Longnose Skate					0.00	0.00									0.00		0.00
Loosejaws Unidentified					0.00												
Lumpsucker Unidentified					0.00												
Manefish					0.00												
Medusafish	0.00	0.02	0.00		0.00		0.01		0.02	0.00	0.00	0.00	0.00	0.00			
Miscellaneous Unidentified	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	0.00	0.00
Mussels Oysters Scallops Clams					0.00												
Northern Fulmar					0.00												
Ocean Sunfish					0.00									0.00			
Octopus Unidentified		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 Electric Ray					0.00												
Pacific Halibut	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	0.00	0.00
Pacific Herring	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	0.00	0.00
Pacific Lamprey	0.00	0.00			0.00	0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00	
Pacific Mackerel	0.02	0.00	0.00		0.00	0.00	0.00		0.00			0.00	0.00	0.03	0.01	0.02	
Pacific Ocean Perch	0.00	0.39	0.00	0.07	0.00	0.00	0.45	0.18	0.22	0.03	0.01	0.00	0.00	0.05	0.02	0.02	0.04
Pacific Pomfret					0.00												
Pacific Sanddab				0.00	0.00												
Pacific Sardine		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 Saury		0.00			0.00		0.00										
Pacific Sleeper Shark		0.00	0.00	0.00	0.00	0.00		0.00	0.00			0.00		0.00	0.00		0.00
Paperbones Unidentified					0.00												
Pearleyes Unidentified					0.00											0.00	
Pink Salmon	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	0.00	0.00

Poacher Unidentified					0.00												
Prickleback Unidentified					0.00												
Ragfish	0.00	0.06			0.00		0.09		0.00	0.00		0.00		0.00	0.00	0.00	
Rainbow Smelt					0.00												
Red Banded Rockfish				0.00	0.00			0.00									0.00
Red King Crab	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	0.00	0.00
Redstripe Rockfish		0.89	0.00	0.00	0.00	0.00	0.05	0.00	0.01					0.00	0.00		0.00
Rex Sole	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02		0.00	0.00	0.00	0.00	0.00	0.00
Ribbonfish Unidentified					0.00									0.00	0.00	0.00	
Rock Sole					0.00												
Rockfish Unidentified					0.00					0.00							
Ronquil Unidentified					0.00												
Rough Pomfret					0.00												
Rougeye Rockfish	0.00	0.53	0.00	0.68	0.00	0.00	0.12	0.40	0.13	0.20		0.00		0.36	0.35	0.76	0.40
Roundfish Unidentified		0.00		0.00	0.00	0.00						0.00	0.00	0.00	0.00		
Sablefish	0.00	0.02	0.00	0.14	0.00	0.09	0.01	0.62	0.01	0.00	0.00	0.08	0.00	0.03	0.06	0.00	0.01
Salmon Shark	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
Sandpaper Skate					0.00												
Scarlet King Crab	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	0.00	0.00
Sea Anemone Unidentified					0.00												
Sea Cucumber Unidentified					0.00												
Sea Devil Unidentified					0.00												
Sea Pen-Sea Whip Unidentified					0.00												
Sea Urchins-Sand Dollars Unidentified					0.00												
Shark Unidentified					0.00												
Sharpchin Rockfish					0.00				0.00		0.00						
Shortbelly Rockfish	0.00	0.01	0.00	0.00	0.00	0.00	0.04	0.03	0.01			0.00	0.00	0.00	0.00	0.00	0.00
Shortraker Rockfish					0.00									0.00			
Shortspine Thornyhead	0.00	0.06	0.00	0.00	0.00	0.00	0.01	0.00		0.26	0.04	0.00	0.00	0.27	0.02	0.24	0.00
Shrimp Unidentified		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
Silvergray Rockfish	0.00		0.00	0.00	0.00	0.00		0.00		0.00		0.00	0.00	0.00	0.01	0.00	0.00
Skate Unidentified					0.00												
Slender Barracudina					0.00												
Slender Sole			0.00	0.00	0.00	0.00						0.00		0.00	0.00		
Smelt Unidentified					0.00												
Smelt/Herring Unidentified		0.00			0.00		0.00		0.00								
Snail Shell Unidentified					0.00												
Snail Unidentified					0.00												
Snailfish Unidentified					0.00	0.00											0.00
Snipe Eel Unidentified		0.00			0.00												
Snow Crab, Opilio	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	0.00	0.00
Sockeye Salmon	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	0.00	0.00
Soupfin Shark		0.00	0.00		0.00	0.00	0.00	0.00				0.00		0.00	0.00	0.00	0.00

Spiny Dogfish Shark	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Splitnose Rockfish	0.00	0.09	0.00	0.00	0.00	0.00	0.06	0.00	0.12	0.00	0.01	0.00	0.00	0.04	0.01	0.03	0.00
Sponge Unidentified					0.00												
Spookfish Unidentified					0.00												
Spotted Ratfish					0.00												
Squid Unidentified	0.25	0.00	0.00	0.21	0.15	0.00	0.00	0.07	0.05	0.00	0.00	0.00	0.00	0.40	0.35	0.64	0.13
Starfish Unidentified					0.00												
Steelhead	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	0.00	0.00
Stripetail Rockfish	0.00				0.00	0.00								0.00			0.00
Tanner Crab, Bairdi	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	0.00	0.00
Thornyhead Rockfish Unidentified					0.00			0.00									
Thresher Shark					0.00										0.00		0.00
Triangle Tanner Crab	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	0.00	0.00
Tube-shoulder Unidentified		0.00		0.00	0.00			0.00				0.00					0.00
Viperfish Unidentified		0.00		0.00	0.00			0.00	0.00					0.00			0.00
White Barracudina					0.00									0.00			0.00
Widow Rockfish	0.00	0.52	0.00	0.00	0.00	0.00	0.45	0.00	0.36	0.12	0.06	0.00	0.00	1.00	0.49	0.37	0.00
Yellowmouth Rockfish		0.00			0.00											0.00	
Yellowtail Rockfish	0.00	1.40	0.00	0.00	0.00	0.00	1.11	0.43	0.39	0.18	0.01	0.00		0.12	0.11	0.05	0.25

Table 5. Discarded Non-whiting and non-salmonid catch by vessel (mt).

	Leslie Lee	Lisa Melinda	Marathon	Mark I	Miss Berdie	Miss Sarah	Muir Milach	Nordic Fury	Nordic Star	Pacific Challenger	Pegasus	Predator	Raven	Sea Storm	Seadawn	Seeker	Traveler
American Shad	3.4 9	0.0 0	1.39	9.84	1.52	0.13	0.05	3.57	0.04		0.00	4.42	0.00	0.41	3.78	0.03	8.10
Argentine Unidentified					0.00												
Arrowtooth Flounder	0.0 4	0.0 4	0.03	0.11	0.01	0.22	0.01	0.07	0.00	0.00		0.67	0.02	0.14	0.32	0.03	0.05
Ascidian - Sea Squirt - Tunicate Unident.	0.0 0	0.0 0		0.00	0.00		0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aurora Rockfish					0.00										0.01		
Bank Rockfish		0.0 0			0.00		0.00								0.00		
Barracudina Unidentified					0.00												
Basket Starfish					0.00												
Big Skate	0.0 3		0.06	0.06	0.05				0.08				0.02				
Bird Unidentified					0.00												
Blue King Crab	0.0 0	0.0 0	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
Blue Shark		0.0 9	0.07		0.01	0.07	0.02		0.01			0.12		0.16		0.01	0.07
Bocaccio	0.0 1	0.0 0	0.01	0.14	0.00	0.01	0.00	0.14	0.00			0.01	0.00	0.04	0.04		0.30

Brittle Starfish Unidentified					0.00												
Brown Cat Shark	0.0 0	0.4 4	0.00	0.00	0.00	0.25	0.12	0.01	0.04	0.00		0.07	0.00	0.09	0.22	0.10	0.00
Canary Rockfish	0.1 4	0.0 0	0.03	0.05	0.01	0.12	0.00	0.04	0.00	0.00	0.00	0.16	0.03	0.08	0.28	0.00	1.38
Chilipepper Rockfish		0.0 0	0.00	0.01	0.00			0.01	0.00	0.00	0.00		0.03			0.01	
Codling Unidentified					0.00												
Corals-Bryozoans Unidentified					0.00												
Crab Unidentified					0.00												
Crinoids Unidentified					0.00												
Cutlassfish Unidentified					0.00												
Dark Blotched Rockfish	0.5 6	0.0 0	0.19	0.30	0.13	0.22	0.00	2.99	0.00	0.00	0.00	0.03	0.00	0.01	0.03	0.00	0.80
Deepsea Smelt Unidentified					0.00												
Dover Sole				0.00	0.00	0.04						0.02		0.01	0.01		
Dragonfish Unidentified		0.0 0			0.00		0.00		0.00								
Dreamer Unidentified					0.00												
Duckbill Barracudina		0.0 0		0.01	0.00		0.00		0.00								0.00
Eelpout Unidentified		0.0 0			0.00	0.00		0.00						0.00			
English Sole		0.0 0		0.00	0.00				0.00								0.00
Eulachon		0.0 1			0.00	0.00	0.00		0.00			0.00		0.00	0.00	0.00	
Fangtooth					0.00												
Fish Unidentified		0.0 0		0.00	0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00		
Fish Waste		0.0 0			0.00		0.00	0.00	0.00					0.00	0.02	0.00	0.02
Flatfish Unidentified		0.0 0			0.00									0.00	0.00		
Flathead Sole					0.00	0.00	0.00					0.00		0.00	0.01		
Golden King Crab	0.0 0	0.0 0	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
Greenstriped Rockfish	0.0 0				0.00												
Grenadier Unidentified		0.0 1			0.00				0.00			0.00					
Groovedtanner Crab	0.0 0	0.0 0	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
Gull Unidentified					0.00												
Hagfish Unidentified					0.00												
Hatchetfish Unidentified					0.00												
Hermit Crab Unidentified					0.00												
Invertebrate Unidentified					0.00		0.00						0.00				
Isopod					0.00		0.00			0.00		0.00					
Jack Mackerel	0.0 4	0.2 0	73.8 9		10.03	32.62	2.85		1.99	0.01	0.00	16.36	49.52	10.09	26.22	19.10	
Jellyfish	0.0 1	0.0 1	0.01	0.01	0.02	0.04	0.01	0.00	0.01	0.00	0.00	0.06	0.01	0.04	0.05	0.01	0.01
King-of-the-Salmon	0.1 6	0.0 2	0.35	0.11	0.60	0.02	0.04	0.06	0.07	0.87	0.13	0.13	0.14	0.78	0.31	0.23	0.06
Lamprey Unidentified	0.0 0	0.0 0	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
Lanternfish Unidentified	0.0 0	0.0 0		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
Leech Unidentified				0.00	0.00			0.00									0.00

Lingcod		0.2 2	0.02	0.01	0.00	0.04	0.08	0.02	0.31		0.00	0.04	0.01		0.03	0.00	
Longnose Lancetfish	0.0 1		0.01	0.02	0.01			0.00	0.00	0.00		0.01			0.01		
Longnose Skate					0.00	0.02									0.04		0.01
Loosejaws Unidentified					0.00												
Lumpsucker Unidentified					0.00												
Manefish					0.00												
Medusafish	0.0 0	0.0 0	0.01		0.01		0.00		0.00	0.00	0.01	0.00	0.00	0.00			
Miscellaneous Unidentified	0.0 0	0.0 0	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	0.01	0.00
Mussels Oysters Scallops Clams					0.00												
Northern Fulmar					0.00												
Ocean Sunfish					0.01									0.00			
Octopus Unidentified		0.0 0	0.00	0.00	0.00		0.01	0.00	0.00	0.03	0.00		0.00	0.00			0.01
Pacific Electric Ray					0.00												
Pacific Halibut	0.0 1	0.0 0	0.00	0.11	0.00	0.01	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.09
Pacific Herring	0.0 0	0.0 0	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
Pacific Lamprey	0.0 0	0.0 0			0.00	0.00	0.00		0.00	0.00		0.00		0.00	0.00	0.00	
Pacific Mackerel	0.0 0	0.0 0	1.53		11.37	14.75	0.04		0.02			3.55	16.27	7.12	16.36	9.97	
Pacific Ocean Perch	0.1 3	0.0 0	0.03	0.32	0.09	0.02	0.00	0.57	0.00	0.00	0.00	0.06	0.00	0.03	0.07	0.00	0.17
Pacific Pomfret					0.00												
Pacific Sanddab				0.00	0.00												
Pacific Sardine		0.0 0	0.01	0.00	2.67	1.76	0.00		0.00			0.17	2.79	0.14	1.30	0.32	
Pacific Saury		0.0 0			0.00		0.00										
Pacific Sleeper Shark		0.0 0	0.02	0.04	0.02	0.21		0.04	0.08			0.09		0.08	0.04		0.05
Paperbones Unidentified					0.00												
Pearleyes Unidentified					0.00											0.00	
Pink Salmon	0.0 0	0.0 0	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
Poacher Unidentified					0.00												
Prickleback Unidentified					0.00												
Ragfish	0.0 6	0.0 0			0.05		0.00		0.13	0.04		0.03		0.08	0.05	0.05	
Rainbow Smelt					0.00												
Red Banded Rockfish				0.00	0.00			0.00									0.00
Red King Crab	0.0 0	0.0 0	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
Redstripe Rockfish		0.0 0	0.00	0.20	0.00	0.00	0.00	0.30	0.00					0.00	0.00	0.00	0.67
Rex Sole	0.0 1	0.0 0	0.01	0.00	0.00	0.11	0.00	0.00	0.00	0.00		0.18	0.01	0.12	0.15	0.09	0.00
Ribbonfish Unidentified					0.00									0.13	0.08	0.07	
Rock Sole					0.00												
Rockfish Unidentified					0.00				0.00								
Ronquil Unidentified					0.00												
Rough Pomfret					0.00												
Rougheye Rockfish	0.2 8	0.0 0	0.60	3.18	0.94	0.59	0.00	1.71	0.00	0.00		0.73		0.48	1.23	0.02	1.36

Roundfish Unidentified		0.0 0		0.00	0.00	0.00						0.00	0.00	0.00	0.00		
Sablefish	0.0 6	0.0 4	0.06	0.14	0.02	0.59	0.15	0.08	0.31	0.00	0.00	0.52	0.01	3.61	0.18	0.30	0.05
Salmon Shark	0.4 0	0.3 0	0.43		0.47		0.18	0.20	0.17			0.74	0.33	1.91	0.64	0.24	0.20
Sandpaper Skate					0.00												
Scarlet King Crab	0.0 0	0.0 0	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
Sea Anemone Unidentified					0.00												
Sea Cucumber Unidentified					0.00												
Sea Devil Unidentified					0.00												
Sea Pen-Sea Whip Unidentified					0.00												
Sea Urchins-Sand Dollars Unidentified					0.00												
Shark Unidentified					0.00												
Sharpchin Rockfish					0.00						0.00						
Shortbelly Rockfish	0.0 0	0.0 0	0.04	0.07	0.02	0.01	0.00	0.03	0.00			18.06	32.72	0.02	0.01	0.00	0.01
Shortraker Rockfish					0.00									0.01			
Shortspine Thornyhead	0.4 6	0.0 0	0.35	0.12	0.04	0.77	0.00	0.25		0.00	0.00	1.68	0.02	0.95	0.68	0.13	0.10
Shrimp Unidentified		0.0 0	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
Silvergray Rockfish	0.0 1		0.00	0.06	0.00	0.01		0.03		0.00		0.01	0.01	0.00	0.00	0.00	0.02
Skate Unidentified					0.00												
Slender Barracudina					0.00												
Slender Sole			0.00	0.06	0.00	0.00						0.00		0.00	0.00	0.00	
Smelt Unidentified					0.00												
Smelt/Herring Unidentified		2.1 1			0.00		0.01		0.01								
Snail Shell Unidentified					0.00												
Snail Unidentified					0.00												
Snailfish Unidentified					0.00	0.00											
Snipe Eel Unidentified		0.0 0			0.00												
Snow Crab, Opilio	0.0 0	0.0 0	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
Sockeye Salmon	0.0 0	0.0 0	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
Soupfin Shark		0.0 9	0.05		0.00	0.04	0.10	0.05				0.12		0.19	0.04	0.05	0.23
Spiny Dogfish Shark	0.2 3	1.4 9	0.42	2.05	0.19	2.91	1.03	1.83	1.80	0.15	0.07	4.20	0.10	3.95	4.38	0.34	1.33
Splitnose Rockfish	0.0 4	0.0 0	3.87	0.06	0.06	0.18	0.00	0.62	0.00	0.00	0.00	0.16	6.59	0.04	0.13	1.18	0.09
Sponge Unidentified					0.00												
Spookfish Unidentified					0.00												
Spotted Ratfish					0.00												
Squid Unidentified	0.3 6	0.6 0	1.35	0.43	0.54	0.59	0.89	0.38	0.84	0.39	0.15	2.35	0.99	2.46	1.34	1.26	0.23
Starfish Unidentified					0.00												
Steelhead	0.0 0	0.0 0	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
Stripetail Rockfish	0.0 2				0.01	0.00								0.00			0.00
Tanner Crab, Bairdi	0.0 0	0.0 0	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

Thornyhead Rockfish Unidentified					0.00			0.00									
Thresher Shark					0.00									0.12		0.14	
Triangle Tanner Crab	0.0 0	0.0 0	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
Tubeshoulder Unidentified		0.0 0		0.00	0.00			0.00				0.00					0.00
Viperfish Unidentified		0.0 0		0.00	0.00			0.00	0.00					0.00			0.00
White Barracudina					0.00									0.00			0.00
Widow Rockfish	0.5 5	0.0 0	1.46	3.93	0.88	1.32	0.00	1.42	0.00	0.00	0.00	0.34	0.88	0.58	0.55	0.55	3.15
Yellowmouth Rockfish		0.0 0			0.00											0.00	
Yellowtail Rockfish	0.2 7	0.0 0	0.07	25.7 5	0.04	2.19	0.00	12.27	0.00	0.00	0.00	3.04		0.74	5.93	0.00	22.68

Attachment 2 Sea State Daily Report

Pool	Harvesting Vessel	Processing Vessel	Most Recent Haul Date	Most Recent Haul Number	Pacific Hake Allocation	Pacific Hake Remaining	Pacific Hake	Canary Rockfish	Widow Rockfish	Dark Blotched Rockfish	Pacific Ocean Perch	Chinook Salmon	Yellowtail Rockfish
1	Arctic Fury	Excellence,Phoenix	-	-	2,345	2,345	0	0	0	0	0	0	0
1	Bay Islander	Arctic Fjord	-	-	412	412	0	0	0	0	0	0	0
1	Leslie Lee	Arctic Fjord	5/31/2021	1071	1,525	310	1214	0.144	0.53	0.555	0.127	1	0.27
1	Leslie Lee	Arctic Storm	6/3/2021	1093	482	71	411	0	0	0	0	4	0
1	Lisa Melinda	Ocean Rover	10/13/2021	1111	2,345	972	1373	0.073	0.131	0.011	0.022	4	0.561
4	Lisa Melinda	Ocean Rover	-	-	2,698	2,698	0	0	0	0	0	0	0
1	Marathon	Arctic Fjord	10/5/2021	1182	2,117	0	2117	0.025	1.411	0.19	0.027	2	0.07
4	Marathon	Arctic Fjord	10/9/2021	1201	1,415	1,038	377	0	0.047	0	0	2	0
5	Marathon	Arctic Fjord	-	-	693	693	0	0	0	0	0	0	0
1	Mark I	Excellence,Phoenix	6/5/2021	527	2,000	469	1531	0.046	3.93	0.386	0.383	0	25.735
2	Mark I	Excellence,Phoenix	-	-	1,812	1,812	0	0	0	0	0	0	0
1	Miss Berdie	Arctic Fjord	10/1/2021	1157	1,477	0	1477	0.015	0.507	0.132	0.09	0	0.042
1	Miss Berdie	Arctic Storm	6/5/2021	1111	305	48	257	0	0	0	0	0	0
4	Miss Berdie	Arctic Fjord	10/9/2021	1203	2,035	1,813	222	0	0.376	0	0	0	0
4	Miss Sarah	Arctic Storm	10/13/2021	1195	1,934	825	1109	0.119	1.227	0.223	0.022	4	2.185
1	Muir Milach	Ocean Rover	10/13/2021	1110	2,463	801	1662	0.025	0.166	0.023	0.019	10	0.512
2	Muir Milach	Ocean Rover	-	-	1,945	1,945	0	0	0	0	0	0	0
4	Muir Milach	Ocean Rover	-	-	3,759	3,759	0	0	0	0	0	0	0
1	Nordic Fury	Excellence,Phoenix	6/5/2021	528	2,000	862	1138	0.035	1.421	2.994	0.751	0	12.682
2	Nordic Fury	Excellence,Phoenix	-	-	2,342	2,342	0	0	0	0	0	0	0
1	Nordic Star	Ocean Rover	10/13/2021	1109	1,759	48	1711	0.017	0.216	0.042	0.115	7	0.281
1	Pacific Challenger	Golden Alaska	6/1/2021	1049	2,440	1,280	1161	0.034	0.118	0.06	0.034	4	0.179
1	Pegasus	Golden Alaska	6/2/2021	1050	2,697	2,136	561	0.038	0.062	0.341	0.005	1	0.013
1	Predator	Arctic Fjord	6/10/2021	1094	339	0	339	0	0.002	0	0	0	0
2	Predator	Arctic Fjord	6/16/2021	1142	831	0	831	0.002	0	0	0	0	0
2	Predator	Arctic Storm	10/5/2021	1147	515	0	515	0.154	0.081	0.01	0.013	0	3.018
4	Predator	Arctic Storm	10/12/2021	1189	2,269	1,635	633	0.005	0.22	0.003	0.015	12	0
1	Raven	Arctic Fjord	6/12/2021	1114	586	0	586	0.005	0.008	0	0	8	0
2	Raven	Arctic Fjord	10/8/2021	1196	1,345	0	1345	0.024	0.817	0.003	0.002	7	0
4	Raven	Arctic Fjord	10/8/2021	1200	722	640	81	0	0.046	0	0	1	0
1	Sea Storm	Arctic Fjord	6/11/2021	1102	586	0	586	0	0.008	0	0.002	6	0
1	Sea Storm	Arctic Storm	10/8/2021	1167	2,795	0	2795	0.09	1.268	0.23	0.046	6	0.861
2	Sea Storm	Arctic Fjord	6/16/2021	1141	1,342	674	668	0	0.001	0	0	8	0
4	Sea Storm	Arctic Storm	10/13/2021	1194	2,424	1,971	454	0	0.299	0.004	0.031	2	0
5	Sea Storm	Arctic Storm	-	-	1,225	1,225	0	0	0	0	0	0	0
1	Seadawn	Arctic Storm	10/13/2021	1193	2,815	52	2763	0.344	0.952	0.439	0.075	15	6.103
4	Seadawn	Arctic Storm	-	-	2,004	2,004	0	0	0	0	0	0	0
5	Seadawn	Arctic Storm	-	-	2,006	2,006	0	0	0	0	0	0	0
1	Seeker	Arctic Fjord	9/30/2021	1152	740	0	740	0.003	0.01	0	0.001	0	0
1	Seeker	Arctic Storm	6/6/2021	1114	2,075	306	1769	0.018	0.377	0.196	0.023	2	0.053

4	Seeker	Arctic Fjord	10/9/2021	1202	1,522	737	785	0	0.534	0.002	0	11	0
1	Traveler	Excellence,Phoenix	6/5/2021	526	2,000	845	1155	1.382	3.147	0.822	0.213	2	22.905
2	Traveler	Excellence,Phoenix	-	-	881	881	0	0	0	0	0	0	0
1	Western Dawn	Excellence,Phoenix	-	-	1,059	1,059	0	0	0	0	0	0	0

Attachment 3 Exhibit A

WHITING MOTHERSHIP COOPERATIVE

Members as of March 17, 2022

<i>Permit Owner and Contact</i>	<i>Permit Number</i>	<i>Mailing Address</i>
American Seafoods Company LLC Trent Hartill Mike Hyde	GF0351	2025 First Avenue West Suite 900 Seattle, WA 98121
Bay Islander Fisheries Inc. Kurt Cochran Kimberlee Cochran	GF0320	P.O. Box 290 Siletz, OR 97380
Calamari LLC Jon Gonzalez	GF0272	16797 SE 130 th Ave Clackamas, OR 97015
Cooper, Mark E. Mark Cooper	GF0254	P.O. Box 428 Newport, OR 97365
EX-1 Corporation Michael Retherford	GF0810	PO Box 1067 Newport, OR 97365
Fury Group, Inc. Nate Stone	GF0051 GF0675	4005 20 th Avenue West Suite 207 Seattle, WA 98199
Leslie Lee, Inc. Mark Cooper Chris Cooper	GF0144	PO Box 428 Newport, OR 97365
F/V Neahkahn LLC Doug Christensen	GF0374	2727 Alaskan Way, Pier 69 Seattle, WA 98121
Miss Sue Fisheries Inc. Jim Seavers Jeff Lackey	GF0017	P.O. Box 1010 Newport, OR 97365

<i>Permit Owner and Contact</i>	<i>Permit Number</i>	<i>Mailing Address</i>
F/V Seeker, Inc. Jim Seavers Jeff Lackey	GF0109	P.O. Box 1010 Newport, OR 97365
FY Fisheries, Inc. Blue Dawn Fisheries, Inc. Harvest Moon Fisheries, Inc. Yaquina Sea Dawn, Inc. Jincks, Inc. Bristol Fisheries LLC Fred Yeck	GF0572	P.O. Box 352 Newport, OR 97365
Larkin, Marion Jean	GF0136	19737 Trophy Lane Mount Vernon, WA 98274
Lisa Melinda, LLC David Smith Jerry Bates	GF0010	P.O. Box 1104 Westport, WA 98595
Marathon Fisheries, Inc. Kurt Cochran Kimberlee Cochran	GF0105	P.O. Box 290 Siletz, OR 97380
MAR-GUN Fisheries, Inc. Gunnar Ildhuso, Jr.	GF0438	23929 22 nd Dr SE Bothell WA 98021
Mark I, Inc. J. Christopher Garbrick	GF0043	4225 23 rd Avenue West Suite 103 Seattle, WA 98199
Miss Berdie, Inc. TS Fisheries, Inc. Stan Schones Tom Stam	GF0517	1483 Old River Road N.E. Siletz, OR 97380
Muir Milach, Inc. Dave Fraser Dave Willmore	GF0795	P.O. Box 954 Mercer Island, WA 98040

<i>Permit Owner and Contact</i>	<i>Permit Number</i>	<i>Mailing Address</i>
New Life Fisheries, Inc. Kurt Cochran Kimberlee Cochran	GF0321	P.O. Box 290 Siletz, OR 97380
Nicole Fisheries LLC David Lethin Don Jester	GF0052	112 Harrison Avenue Centralia, WA 98531
North Sea, Inc. Bryan North Mike Storey	GF0132	5331 SW Macadam Avenue #320 Portland, OR 97239
Pacific Dawn LLC Burt Parker Chris Peterson	GF0273	2324 N.W. 90 th Street Seattle, WA 98117
Patience Fisheries, Inc. Mark E. Cooper	GF0256	P.O. Box 428 Newport, OR 97365
Phoenix Processor Limited Partnership John Henderschedt Steve Pellegrin	GF0362	333 First Ave. West, Seattle, WA 98119
Retherford Joint Trust	GF0515	PO Box 1067 Newport, OR 97365
Sea Clipper LLC (Ocean Gold) Greg Shaughnessy	GF0433	P.O. Box 1104 Westport , WA 98595

<i>Permit Owner and Contact</i>	<i>Permit Number</i>	<i>Mailing Address</i>
Sea Storm Fisheries, Inc. Doug Christensen	GF0210	2727 Alaskan Way, Pier 69 Seattle, WA 98121
Traveler Fisheries LLC J. Christopher Garbrick	GF0111	4225 23 rd Avenue West Suite 103 Seattle, WA 98199
Trident Seafoods Corporation Christian Asay	GF0205	5303 Shilshole Ave. NW Seattle, WA 98117
West Coast Fishery Investments LLC (Aleutian Spray) Craig Cross	GF0154 GF0904 GF0971	5470 Shilshole Avenue N.W. Suite 300 Seattle , WA 98107
Whaley, Todd L.	GF0220	PO Box 6235 Brookings, OR 97415
Yaquina Trawlers, Inc. Raven Enterprises, Inc. DASL, Inc. Lyle Yeck Robert Smith	GF0124	1676 N.E. Yaquina Heights Drive Newport, OR 97365

Attachment 3 Exhibit B

WHITING MOTHERSHIP COOPERATIVE

Harvest Schedule as of March 17, 2022

1. Members/Permit Owners and Allocation Percentages

<i>Members/Permit Owners & Contact Persons</i>	<i>Percentage Allocation</i>
American Seafoods Company LLC Trent Hartill Mike Hyde	GF0351 9.945747%
Bay Islander Fisheries Inc. Kurt Cochran Kimberlee Cochran	GF0320 0.505995%
Calamari LLC Jon Gonzalez	GF0272 0.611940%
Cooper, Mark E. Mark Cooper Chris Cooper	GF0254 1.919750%
EX-1 Corporation Michael Retherford	GF0810 0.542467%
Leslie Lee, Inc. Mark Cooper Chris Cooper	GF0144 4.113516%
F/V Neahkahnle LLC Doug Christensen	GF0374 3.944061%
F/V Seeker, Inc. Jim Seavers Jeff Lackey	GF0109 4.858447%
Fury Group, Inc. Nate Stone	GF0675 2.537205% (MSCV0675) 1.761004% (MSCV0051)

<i>Members/Permit Owners</i>	<i>Percentage Allocation</i>
FY Fisheries, Inc. and Blue Dawn Fisheries, Inc. and Harvest Moon Fisheries, Inc. and Yaquina Sea Dawn, Inc. and Jincks, Inc., and Bristol Fisheries LLC. Fred Yeck	GF0572 4.982793% (MSCV0572) 3.141636% (MSCV0090)
Miss Sue Fisheries Inc. Jim Seavers Jeff Lackey	GF0017 0.374698%
Larkin, Marion	GF0136 0.152638%
Lisa Melinda, LLC David Smith Jerry Bates	GF0010 4.523843%
Marathon Fisheries, Inc. Kurt Cochran Kimberlee Cochran	GF0105 4.903333%
MAR-GUN Fisheries, Inc. Gunnar Ildhuso, Jr.	GF0438 4.355232%
Mark I, Inc. J. Christopher Garbrick	GF0043 5.115294%
Miss Berdie, Inc. and TS Fisheries, Inc. Stan Schones Tom Stam	GF0517 4.558887%
Muir Milach, Inc. Dave Fraser Dave Willmore	GF0795 1.688707%
New Life Fisheries, Inc. Kurt Cochran Kimberlee Cochran	GF0321 0.151646%
Nicole Fisheries LLC David Lethin Don Jester	GF0052 0.125453% (MSCV0052) 1.074783% (MSCV0708)

<i>Members/Permit Owners</i>	<i>Percentage Allocation</i>
North Sea, Inc. Bryan North	GF0132 5.387414%
Pacific Dawn LLC Burt Parker Chris Peterson	GF0273 3.002765%
Patience Fisheries, Inc. Mark E. Cooper Chris Cooper	GF0256 0.931501%
Phoenix Processor Limited Partnership John Henderschedt Steve Pellegrin	GF0362 1.527815%
Retherford Joint Trust Mike Retherford	GF0515 0.955006%
Sea Clipper LLC Greg Shaughnessy	GF0433 0.156388%
Sea Storm Fisheries, Inc. Doug Christensen	GF0210 3.443703%
Traveler Fisheries LLC J. Christopher Garbrick	GF0111 3.970116%
Trident Seafoods Corporation Christian Asay	GF0205 1.207269%

<i>Members/Permit Owners</i>	<i>Percentage Allocation</i>
West Coast Fishery Investments LLC (Aleutian Spray) Craig Cross	GF0154 & GF0904 & GF0971 5.116051% 2.159780% 2.209872%
Whaley, Todd L.	GF0220 1.040567%
Yaquina Trawlers, Inc. and Raven Enterprises, Inc. and DASL, Inc. Lyle Yeck Robert Smith	GF0124 3.002675%

2. List of Vessels Harvesting 2022 Allocations

<i>Vessel Name and Official Number</i>	<i>Vessel Name and Official Number</i>	<i>Vessel Name and Official Number</i>
ARCTIC FURY O.N. 996920	BAY ISLANDER O.N. 521200	CALAMARI O.N. 968968
HICKORY WIND O.N. 594154	LESLIE LEE O.N. 584873	LISA MELINDA O.N. 584360
MARATHON O.N. 596156	MAR-GUN O.N. 1283312	MARK I O.N. 509552
MESSIAH O.N. 610150	MISS BERDIE O.N. 913277	MISS SARAH O.N. 921578
MISS SUE O.N. 580055	MUIR MILACH O.N. 611524	
NEW LIFE O.N. 504299	NICOLE O.N. 923632	NORDIC FURY O.N. 542651

<i>Vessel Name and Official Number</i>	<i>Vessel Name and Official Number</i>	<i>Vessel Name and Official Number</i>
NORDIC STAR O.N. 584684	NORTHERN RAM O.N. 979437	OCEAN HUNTER O.N. 926699
PACIFIC CHALLENGER O.N. 518937	PACIFIC FURY O.N. 561934	PACIFIC RAM O.N. 589115
PEGASUS O.N. 565120	PREDATOR O.N. 547390	VANGUARD O.N. 617802
RAVEN O.N. 629499	SEA CLIPPER O.N. 553396	SEADAWN O.N. 548685
SEA STORM O.N. 628959	SEEKER O.N. 924585	STARWARD O.N. 617807
TRAVELER O.N. 929356	WESTERN DAWN O.N. 524423	ROYAL AMERICAN O.N. 624371

Attachment 4

WHITING MOTHERSHIP COOPERATIVE
FIFTH ADDENDUM TO
THIRD AMENDED AND RESTATED MEMBERSHIP AGREEMENT

This FIFTH ADDENDUM TO THIRD AMENDED AND RESTATED MEMBERSHIP AGREEMENT (“Addendum”) is adopted by the WHITING MOTHERSHIP COOPERATIVE, a Washington Fish Marketing Act nonprofit corporation (the “Cooperative”) as of February 10th, 2022.

RECITALS

A. Amendment 20 to the Pacific Coast Groundfish Fishery Management Plan (“Amendment 20”) adopts a cooperative-based rationalization system for the mothership sector of the Pacific whiting fishery.

B. The Members have formed a fishery cooperative that qualifies to receive annual mothership whiting allocations under the regulations implementing Amendment 20.

C. The Members have executed that certain Third Amended and Restated Membership Agreement dated as of _____, 2014 (the “Membership Agreement”).

D. Under the Membership Agreement, the Cooperative Board of Directors has the authority to modify Section 11 of that Agreement. The Cooperative’s Board of Directors has determined that it is in the best interests of the Cooperative to do so, as reflected in this Addendum.

ADDENDUM

1. Defined Terms. Unless otherwise defined herein, the capitalized terms in this Addendum have the meaning they are given in the Membership Agreement.

2. Modification of Section 11. The provisions of Section 11 of the Membership Agreement are hereby amended to read as follows.

“11. Responsible Fishing Practices. The Members acknowledge that an objective of the Cooperative is to reduce the incidental catch of Non-

Whiting Species. The Members further acknowledge that fishing practices can affect the rates and amounts of incidental catch of Non-Whiting Species. The Members therefore agree to exercise all reasonable efforts to conduct their fishing practices in a manner that reduces their incidental catch of Non-Whiting Species to the lowest commercially reasonable levels, through the methods and means adopted by the Cooperative's Board of Directors from time to time in accordance with the terms of this Section 11. Such methods and means may include time and area closures, using or not using specific types of gear in specific areas or during specific times, and requiring Members to participate in overfished species risk pools that provide appropriate incentives and disincentives. Restrictions on Member fishing activity may be modified by the Cooperative's Board of Directors from time to time, provided that no such modification to the provisions of subsections 11.a, 11.b.i through 11.b.viii, and 11.d, shall take effect until the immediately following February 15.

a. Whiting Bycatch Agreement. Each Member shall sign, be bound by the terms and conditions of, and exercise all commercially reasonable efforts to comply with the Whiting Bycatch Agreement, as amended and renewed from time to time. In addition, each Member shall cause the owner and operator of each vessel harvesting any of such Member's Pacific whiting allocation to do so. Notwithstanding any provisions of this Section 11 to the contrary, amendments to the Whiting Bycatch Agreement shall take effect as of the effective date of such amendments.

b. Seasonal Pool Management Measures.

i. Seasonal Pool Opening Dates. The Cooperative's mothership sector Pacific whiting allocation shall be divided into five seasonal pools. The first pool shall open for harvesting on May 15, the second pool shall open on June 1, the third pool shall open on July 1, the fourth pool shall open on September 15, and the fifth pool shall open on October 15. Notwithstanding the foregoing, the Board of Directors may open a seasonal pool on an earlier date by unanimous consent.

ii. Seasonal Pool Formation. Each seasonal pool shall be constituted by Member election. Each Member shall be entitled to apportion their Harvest Share among the seasonal pools in each Member's sole discretion. Not less than five (5) days prior to the start date for each seasonal pool, each Member shall notify the Manager in writing regarding the amount of their initial Pacific whiting allocation assigned to that seasonal pool, shall identify the vessel or vessels that will harvest their Harvest Share from that seasonal pool, and shall state the amount of tonnage to be harvested by each vessel.

iii. Non-Whiting Species Assignments. Upon the Manager having received the Members' Harvest Share pool assignments, the Manager shall apportion the full amount of each Non-Whiting Species allocation and the full amount of each darkblotched rockfish and Pacific Ocean Perch set-asides available to the Cooperative among the seasonal pools pro rata according to the proportion of Pacific whiting tonnage that Members have assigned to each pool. The Board of Directors may adjust the amounts of darkblotched rockfish and Pacific Ocean Perch to be initially apportioned by the Manager in accordance with this Section 11.b.iii, and may adjust or readjust those amounts during the course of the fishing year, provided that notwithstanding any such adjustment or readjustment, all apportionment of those species shall be pro rata according to the proportion of Pacific whiting tonnage that Members have assigned to each pool. Non-Whiting Species assignments shall be used to cover the incidental catch of vessels harvesting Pacific whiting from the pools to which they are assigned, under the terms and conditions of this Section 11 and the Whiting Bycatch Agreement then in effect and any additional management measures that the Cooperative's Board of Directors may adopt.

iv. Additional Whiting Allocations. The Manager shall apportion any Pacific whiting allocations the Cooperative may receive in addition to its initial allocation (including, but not limited to, any rollovers of tribal Pacific whiting allocations) among the seasonal pools pro rata, according to the proportion of Pacific whiting tonnage initially assigned to each seasonal pool.

v. Additional Non-Whiting Species Allocations. One or more Non-Whiting Species may be allocated to the Cooperative in fixed amounts. If the Cooperative receives an additional amount of an allocated Non-Whiting species, the additional allocation shall be apportioned among the seasonal pools pro rata according to initial Pacific whiting tonnage assigned to each seasonal pool.

vi. Pool Closure. The Manager shall close a seasonal pool upon the earlier of (A) the total amount of Pacific whiting Harvest Share allocated to a seasonal pool being harvested, (B) the Non-Whiting Species allocation or assignment for a seasonal pool being exhausted, (C) the Board of Directors approving a petition to close a seasonal pool and redistribute the Non-Whiting Species assigned to it, or (D) the Board of Directors deciding to consolidate it with other seasonal pools per Subsection D., below. All harvesting from a closed pool shall cease as of the effective time and date of its closure. Any Pacific whiting and/or Non-Whiting Species remaining in a pool as of its closure shall be distributed as provided in subsections A., B., C. below.

For purposes of this Section 11.b.vi, “supermajority vote” means the affirmative vote of not less than six (6) of seven (7) Cooperative Directors, or, if there are not seven Directors then holding office, the affirmative vote of the number of Directors then holding office, minus one (1).

A. Closure on Whiting Catch. If a seasonal pool closes because the total amount of Pacific whiting allocated to that seasonal pool has been harvested, the Manager shall distribute all remaining Non-Whiting Species assigned to the closed pool pro rata among the seasonal pools that have not been closed, according to the tonnage of Pacific whiting assigned to each such pool. Upon that redistribution being made, the Board may adjust the Base Rate(s) and Permit Pro Rata Share(s) (as defined in Section 11.c, below) for the redistributed Non-Whiting Species, and may adjust the basis on which the “125% test” set forth in Section 11.b.vii, below, is applied to take that redistribution into account.

B. Closure on Non-Whiting Species Take. If a seasonal pool closes because the aggregate amount of one or more Non-Whiting Species assigned to that seasonal pool has been exhausted, the amount of Pacific whiting remaining in the closed pool shall be available for harvest in subsequent seasonal pools in serial order, subject to the performance tests provided in Section 11.b.vii, below.

Unless and until the Board of Directors determines otherwise pursuant to this Section, the Non-Whiting Species remaining in the closed pool shall be available for harvest by vessels participating in a subsequent seasonal pool on a species by species basis, when the respective Non-Whiting Species assignment to that subsequent seasonal pool is exhausted. Notwithstanding the foregoing, the Board of Directors may redistribute some or all of such remaining Non-Whiting Species among other seasonal pools as the Board deems appropriate by supermajority vote. If the Board elects to do so, it may adjust the Base Rate(s) and Permit Pro Rata Share(s) for the redistributed Non-Whiting Species, and may adjust the basis on which the “125% test” set forth in Section 11.b.vii, below, is applied to take that redistribution into account.

If the Cooperative’s entire initial allocation of a Non-Whiting Species is exhausted, notwithstanding in this Section 11 to the contrary, all seasonal pools shall close, regardless of whether their assignment of that Non-Whiting Species has been attained. If subsequent to that closure an additional amount of such Non-Whiting Species becomes available to the Cooperative, the Board of Directors may re-open one or more seasonal pools, allocate some or all of the remaining and additional Non-Whiting Species available to the Cooperative to it or among them as it determines appropriate in its sole discretion, and establish

criteria concerning the Vessels eligible to harvest from such pool(s) as it determines appropriate in its sole discretion, notwithstanding the provisions of Section 11.b.vii.

C. Closure on Board of Directors Approval. If representatives of all vessels with Pacific whiting assignments remaining to be harvested in an open pool petition the Board of Directors to close that pool and redistribute the whiting and Non-Whiting Species assigned to it, the Board may do so by supermajority vote. The Pacific whiting remaining in the closed pool shall be available for harvest in subsequent seasonal pools in serial order. The Non-Whiting Species remaining in the closed pool shall be redistributed as the Board determines appropriate. If the Board elects to close a pool per this Subsection, it may adjust the Base Rate(s) and Permit Pro Rata Share(s) for the redistributed Non-Whiting Species, and may adjust the basis on which the “125% test” is applied to take that redistribution into account.

D. Consolidation of Seasonal Pools. After October 15 each year, the Board of Directors may consolidate all remaining whiting and Non-Whiting Species into a single pool by unanimous vote or consent of all Directors. If the Board elects to do so, it may adjust the Base Rate(s) and Permit Pro Rata Share(s) for the redistributed Non-Whiting Species, and may adjust the basis on which the “125% test” is applied to take that redistribution into account.

vii. Closed Pool Vessel Harvesting Eligibility. Upon a seasonal pool closing per Section 11.b.vi.B, above, if the Cooperative has remaining amounts of that Non-Whiting Species assigned to other pools, the Manager shall evaluate the amount of each fully-used Non-Whiting Species taken by each vessel that had been harvesting in the closed pool. Subject to the provisions concerning Non-Whiting Species quotients, below, if the amount of a fully-used Non-Whiting Species harvested by a vessel participating in the pool exceeds one hundred and twenty five percent (125%) of the amount of such Non-Whiting Species allocated to the pool on the basis of the Pacific whiting tonnage assigned to the pool for harvesting by that vessel, as adjusted for transfers to and from other vessels in the pool, that vessel shall not be eligible to harvest any Pacific whiting transferred from the closed pool to a subsequent pool, and shall not be eligible to harvest any Pacific whiting from a subsequent seasonal pool other than the whiting assigned to the vessel at the time of initial Member election, unless and until all other vessels operating in compliance with such 125% performance standard have ceased harvesting Pacific whiting for the year or there is Non-Whiting Species catch available in sufficient amount to support its fishing activity, as determined by the Cooperative’s Board of Directors in its sole discretion.

If the Cooperative receives an additional Non-Whiting Species allocation before its initial allocation of such species has been exhausted, or if pursuant to Section 11.b.vi.A., B., C. or D., above, the Board of Directors determines the “125% test” is to be applied on a different basis than described above, the Manager shall re-evaluate the performance of vessels participating in each pool that was closed on the basis of the harvest of such species (if any), taking the additional allocation or Board of Directors determination into account, and each vessel’s eligibility to harvest in a subsequent pool shall be determined accordingly.

Notwithstanding the provisions above, if one or more vessels are declared ineligible to harvest under the “125%” performance test set forth above, the Manager shall thereafter monitor the quotients of the remaining amount of each Non-Whiting Species divided by the remaining amount of Pacific whiting on an ongoing basis. If at any time the Manager determines that quotient for every Non-Whiting Species is greater than one hundred fifty percent (150%) of the quotient of the initial amount of such Non-Whiting Species available to the Cooperative divided by the initial amount of Pacific whiting available to the Cooperative, the Manager shall evaluate the amount of each Non-Whiting Species whose catch caused one or more vessels to be declared ineligible to fish under the 125% test. If the amount of any such Non-Whiting Species harvested by any such vessel does not exceed two hundred percent (200%) of the amount of such Non-Whiting Species initially allocated to such pool on the basis of the Pacific whiting tonnage assigned to such seasonal pool for harvesting by that vessel, as adjusted for transfers to and from other vessels in the pool, then, subject to the vessel continuing to meet the cumulative Non-Whiting Species catch limit set forth below, that vessel shall be eligible to harvest Pacific whiting transferred from a closed pool to a subsequent pool, and shall be eligible to harvest Pacific whiting Harvest Share apportioned to a subsequent seasonal pool in addition to that assigned to such vessel at the time of initial Member election.

Notwithstanding the foregoing, if at any time the cumulative amount of any Non-Whiting Species subsequently harvested by a vessel fishing under this subsection is such that the quotient of Non-Whiting Species harvested by the vessel divided by Pacific whiting harvested by the vessel exceeds the quotient of the remaining amount of such Non-Whiting Species divided by the Cooperative’s remaining un-harvested Pacific whiting as of the time that the Manager determined that the Cooperative’s Non-Whiting Species quotients met the 150% test applied under this subsection, such vessel shall cease to be eligible to continue fishing under this exemption, and shall stop fishing unless there is Non-Whiting Species catch available in sufficient amount to support its fishing activity, as determined by the Cooperative’s Board of Directors in its sole discretion.

viii. “Subsequent Seasonal Pool” Definition. For purposes of Section 11.b., “subsequent seasonal pool” shall mean the next seasonal pool in calendar order that has quota assigned to it and is open for harvest. If none of the remaining seasonal pools satisfy both of those criteria, then the “subsequent seasonal pool” shall be the first seasonal pool, if it does so, and the next pool following the first seasonal pool that does so, if the first seasonal pool does not.

c. Rockfish Bycatch Control Measures. The Members agree to manage their incidental catch of Pacific Ocean perch, canary rockfish, darkblotched rockfish and widow rockfish (each, a “Rockfish Species”) in accordance with this Section 11.c, as it may be modified by the Cooperative’s Board of Directors pursuant to Section 11.c.v. For purposes of this Section 11.c, the following terms shall have the following meanings.

“Base Rate” means the ratio of incidental catch of a Rockfish Species to harvest of a metric ton of Pacific whiting, calculated by dividing the amount of each Rockfish Species available for incidental catch in the mothership sector of the Pacific Coast whiting fishery by the Pacific whiting Total Annual Catch amount allocated to the mothership sector for that fishing year, unless otherwise agreed by the Cooperative’s Board of Directors. The Base Rate shall be calculated at the beginning of each fishing year and shall be recalculated during each fishing year upon an additional amount of a Rockfish Species being made available for the Cooperative’s use, or upon circumstances deemed appropriate by the Cooperative’s Board of Directors.

“Permit Pro Rata Share” means the amount of each Rockfish Species available under each Assigned Permit for each seasonal pool, calculated by multiplying the amount of Pacific whiting declared to that pool under the Assigned Permit by the Base Rate for such Rockfish Species, and adjusting for redistributions of Rockfish Species pursuant to Section 11.b.vi, above.

“Platform” means the group of vessels that harvest Pacific whiting for delivery to a mothership operating under a specific mothership permit and the mothership operating under that permit.

“Platform Pro Rata Share” means the aggregate amount of each Rockfish Species available under the Assigned Permits that are obligated to the Platform’s mothership permit in the open seasonal pool or pools from which the Platform is harvesting.

i. Unless it is exempt under Section 11.c.iii, below, when a Platform takes more than its Platform Pro Rata Share of any Rockfish Species, it shall relocate to an area or to areas where the Platform catcher vessel and mothership operators believe such Rockfish Species is unlikely to be caught for the remaining duration of the seasonal pool(s) from which it is harvesting at the time.

ii. Unless it is exempt under Section 11.c.iii, below, when a Platform has taken more than its Platform Pro Rata Share of a Rockfish Species, on any given day thereafter when its incidental catch of that Rockfish Species exceeds the Base Rate for that species while the Platform is harvesting from the same seasonal pool(s), the Platform shall relocate per Section 11.c.i, above, and, unless they are exempted from doing so under Section 11.c.iii or Section 11.c.iv, below, the Platform's catcher vessels whose deliveries during that day contained incidental catch of that Rockfish Species in excess of the related Base Rate shall cease fishing for a 24 hour period.

(iii) The Platform obligation to relocate per Sections 11.c.i and 11.c.ii, above, and the catcher vessel obligation to cease fishing for 24 hours per Section 11.c.ii shall not apply under the any of the following circumstances:

A. When the ratio of the amount of unharvested Rockfish Species at issue to the amount of unharvested Pacific whiting in the seasonal pool or pools from which a Platform is harvesting exceeds the Base Rate.

B. When all other Platforms have completed their harvest of Pacific whiting from the pool or pools from which a Platform is harvesting.

C. When all other Platforms have ceased harvesting Pacific whiting for the year.

iv. The obligation for catcher vessels to cease fishing for 24 hours per Section 11.c.ii, above, shall not apply in connection with deliveries from test tows. To qualify as a test tow, a tow must be the first tow made after a Platform has moved to a new area where other Platforms are not fishing, the Platform making the tow must have provided all other Platforms with advance notice it is making a test tow, the tow must be less than an hour in duration or must contain less than 15 metric tons of Pacific whiting, and the Platform making the tow must provide information concerning the location and contents of the tow to all other Platforms.

v. The Cooperative's Board of Directors may suspend or modify the provisions of this Section 11.c as it deems appropriate to address unintended consequences, to address unexpected fairness issues or when it deems that enforcing the provisions of this Section is not necessary to ensure that the Platform or Platforms that are still fishing have a reasonable opportunity to harvest their remaining amounts of Pacific whiting.

d. Fishing. For purposes of this Agreement, "fishing" shall mean all activity of a vessel between the time of initial gear deployment and final gear retrieval. For purposes of this Section 11, "gear deployment" and "gear retrieval" shall have the meanings given them in 50 C.F.R. 679.2 or its successor, as the same may be amended from time to time. Initial gear deployment shall mean setting trawl gear with an empty codend, and final gear retrieval shall mean retrieving trawl gear to either pull a codend aboard the vessel or to deliver the codend to another vessel. Notwithstanding the definitions of fishing, gear deployment and gear retrieval set forth in this Section, each Member shall have an independent obligation to comply with all applicable regulations covering such activities, as they are defined in such regulations.

Attachment 5

Whiting Mothership Cooperative

An Amendment 20 Mothership Catcher Vessel Cooperative

Salmon Mitigation Plan Postseason Report on the 2021 Pacific Whiting Fishery

Prepared by: Kristin McQuaw, Cooperative Manager

Submitted to NMFS & the PFMC: March 2022

Purpose of Report

The Whiting Mothership Cooperative is submitting a Salmon Mitigation Plan (SMP) Report for the 2021 season on behalf of its membership, all of whom are party to SMP-2021-01. This report is intended to disclose all information required or identified in 50 CFR 660.113(e)(6).

SMP Report Requirements

(6) ***SMP postseason report.*** The designated SMP representative for an approved SMP must submit a written postseason report to NMFS and the Council for the year in which the SMP was approved.

(i) ***Submission deadline.*** The SMP postseason report must be received by NMFS and the Council no later than March 31 of the year following that in which the SMP was approved.

(ii) ***Information requirements.*** The SMP postseason report must contain, at a minimum, the following information:

(A) Name of the SMP and SMP identification number.

(B) A comprehensive description of Chinook salmon bycatch avoidance measures used in the fishing year in which the SMP was approved, including but not limited to, information sharing, area closures, movement rules, salmon excluder use, and internal bycatch guidelines.

(C) An evaluation of the effectiveness of these avoidance measures in minimizing Chinook salmon bycatch.

(D) A description of any amendments to the terms of the SMP that were approved by NMFS during the fishing year in which the SMP was approved and the reasons the amendments to the SMP were made.

(A) Name of the SMP and SMP identification number.

Salmon Mitigation Plan for the Whiting Mothership Cooperative. SMP identification number: SMP-2021-01

(B) A comprehensive description of Chinook salmon bycatch avoidance measures used in the fishing year in which the SMP was approved, including but not limited to, information sharing, area closures, movement rules, salmon excluder use, and internal bycatch guidelines.

In 2021, the WMC consistently shared information regarding Chinook salmon encounters amongst its members as well as with the Catcher Processor and Shorebased Cooperatives. The

Cooperative instituted area closures, movement rules, salmon excluders and additional internal bycatch guidelines to minimize Chinook bycatch.

(C) An evaluation of the effectiveness of these avoidance measures in minimizing Chinook salmon bycatch.

In 2021, the Cooperative caught 137 Chinook and did not encounter any lightning strikes. The time and location of fishing activity coupled with environmental conditions limited WMC encounters with Chinook. Furthermore, the WMC's adopted avoidance measures were effective at further minimizing Chinook salmon bycatch.

(D) A description of any amendments to the terms of the SMP that were approved by NMFS during the fishing year in which the SMP was approved and the reasons the amendments to the SMP were made.

No amendments to the SMP were made in 2021.