

Whiting Mothership Cooperative

An Amendment 20 Mothership Catcher Vessel Cooperative

Final Report on the 2015 Pacific Whiting Fishery

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Submitted to the NMFS & PFMC: March 2016

WMC Report on the 2015 Year Pacific Whiting Fishery

Introduction

In March of 2011, the owners of the thirty seven 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, there are currently 34 endorsed permits. The owners of all of the current MS/CV LEPs remained members in good standing for the 2015 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 the four allocated overfished 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 behaviour 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 2015 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 64,004 tons of whiting, followed by a re-apportionment on September 21st of 7,200 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 thirty four of the current MS/CV endorsed trawl limited entry permit holders joined the Whiting Mothership Cooperative (WMC).

As of December 31st, 2015, fourteen MS/CVs had fished in the MS sector of the whiting fishery.

Data on the catch, as of December 31st 2015, of Whiting, Salmon, Halibut, Rockfish, Groundfish and Other Species, is shown in the tables attached tables 1 & 2 (a-e) (Attachment 1). The table 1 shows the aggregate fleet catch, with a breakdown of each species category. The following tables 2 (a-e) show the vessel by vessel catch for each species category. In interpreting the tables a cell with "0.000 mt" indicates at least a trace amount of this species was caught; a blank cell indicates no amount of that species was caught.

(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. Inc. as the Monitoring Agent for the coop. All WMC members provide NMFS and the VMS providers with the needed confidentiality waivers to allow Sea State, Inc. to access both Observer data and VMS data 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:

- the 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.

In 2015 one pool exceeded the pro-rata share of the bycatch allocated to its seasonal pool. The 2nd pool was closed due to Darkblotch bycatch on June 8th.

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
- 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 tracklines 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.

The bycatch committee met again prior to the 2015 fishing season and recommended retaining the bycatch avoidance measures from the previous seasons with some modifications. The recommendations were adopted by the board. The bycatch committee met during the season to review whether to modify or maintain the closures. Additional closures were adopted by the board during the 2015 season in response to concerns that Darkblotched rockfish was extremely constraining given higher levels of Darkblotched rockfish encounters throughout the Mothership and Shorebased whiting fisheries.

Night Fishing

Based on the recommendations of the bycatch committee the board adopted a restriction on night fishing between 10:00 PM and 5:30 AM prior to September 1st. The board modified the night fishing restriction for the fall, restricting night fishing inside 100 fathoms between 7:00 PM and 7:00 AM.

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 of 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 of exceeds 125% of the Base Rate for a bycatch species
- If a fleet's bycatch rate during any single day exceeds twice 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 not used during the 2015 season.

Seasonal Pools

The Coop agreement was modified for 2015 to provide for dividing the whiting allocation into as many as 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.

During the 2015 season one pool closed due to bycatch. There were not been any 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) filed with the MS cooperative permit application NMFS for the 2016 season.

The only amendment to the WMC Membership Agreement for the 2016 season is the Second Addendum to the Membership Agreement (Attachment 4), adopted by the WMC Board. This Addendum continues the division of the quota into 5 seasonal pools in 2016.

No other changes to the WMC Bycatch Agreement are anticipated at this time.

Attachment 1
Table 1

Species Name	Code	WMC FLEET TOTALS		
		Retained mt	Discard mt	Total
ROUNDFISH				
Whiting	112	27,538.3	119.9	27,658.1
Lingcod	130	0.740	0.111	0.850
Sablefish	710	1.831	0.087	1.918
FLATFISH				
Arrowtooth Flounder	121	0.443	0.409	0.852
Dover Sole	124	0.013	0.024	0.037
Other Flatfish		0.164	0.186	0.350
ROCKFISH				
Canary Rockfish	146	0.095	0.042	0.137
Dark Blotched Rockfish	159	1.830	0.547	2.377
Pacific Ocean Perch	141	1.059	0.704	1.763
Widow Rockfish	156	8.801	8.410	17.211
Bocaccio	137	0.049	0.035	0.084
Shortbelly Rockfish	181	0.001	0.009	0.010
Shortspine Thornyhead	143	0.230	1.500	1.730
Yellowtail Rockfish	155	40.794	45.090	85.884
Minor Shelf Rockfish		0.032	0.336	0.368
Minor Slope Rockfish		5.651	4.510	10.161
REMAINING GROUND FISH SPECIES				
Spiny Dogfish Shark	691	0.144	2.861	3.004
Longnose Skate	701	0.063	0.214	0.276
Other Fish		0.054	0.277	0.332
PROHIBITED SPECIES				
Chinook Salmon	410	0	262	262
Chum Salmon	450	0	0	0
Coho Salmon	430	0	0	0
Pink Salmon	440	0	0	0
Pacific Halibut (in Metric Tons)	200	0.000	0.049	0.049
NON_GROUND FISH SPECIES				
American Shad	180	0.383	1.774	2.156
Jack Mackerel		14.287	9.360	23.647
Pacific Herring	235	0.039	0.020	0.059
Pacific Mackerel		0.236	0.074	0.309
Pacific Sardine	170	0.005	0.000	0.005
Squid Unidentified	875	3.824	7.398	11.222
All other nongroundfish		5.809	19.777	25.586

Table 2a

Species Name	Arctic Fury		Lisa Melinda		Mark I	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUND FISH						
Whiting	3,733.3	3.5	2,152.1	21.2	611.7	0.1
Lingcod	0.032	0.000	0.091	0.000		
Sablefish			0.024	0.000	0.127	0.000
FLATFISH	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
Arrowtooth Flounder	0.000	0.011	0.083	0.000	0.000	0.033
Dover Sole					0.000	0.003
Other Flatfish	0.000	0.001	0.018	0.000	0.000	0.007
ROCKFISH	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
Canary Rockfish			0.011	0.000		
Dark Blotched Rockfish	0.000	0.002	0.040	0.000		
Pacific Ocean Perch	0.182	0.082	0.116	0.001	0.001	0.013
Widow Rockfish	0.006	0.050	0.068	0.000	0.000	0.020
Bocaccio	0.000	0.000	0.000	0.000		
Shortbelly Rockfish	0.000	0.001	0.139	0.000		
Shortspine Thornyhead	0.043	0.994	2.442	0.001	0.000	0.006
Yellowtail Rockfish	0.000	3.297	6.599	0.045	0.000	0.015
Minor Shelf Rockfish	0.000	0.006	0.015	0.000	0.000	0.000
Minor Slope Rockfish	0.441	0.219	0.424	0.006	0.007	0.212
REMAINING GROUND FISH SPECIES	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
Spiny Dogfish Shark	0.000	0.188	0.038	0.275	0.000	0.323
Longnose Skate	0.000	0.038	0.033	0.030	0.000	0.018
Other Fish	0.000	0.000	0.006	0.000	0.000	0.000
PROHIBITED SPECIES	Retained #	Discard #	Retained #	Discard #	Retained #	Discard #
Chinook Salmon	0	19	0	10	0	101
Chum Salmon	0	0	0	0	0	0
Coho Salmon	0	0	0	0	0	0
Pink Salmon	0	0	0	0	0	0
Pacific Halibut (in Metric Tons)	0.000	0.000	0.000	0.012	0.000	0.000
NON_GROUND FISH SPECIES	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
American Shad	0.000	0.114	0.045	0.340	0.000	0.058
Jack Mackerel	0.000	0.014	0.008	0.000	0.000	8.154
Pacific Herring	0.000	0.000	0.009	0.000	0.000	0.002
Pacific Mackerel	0.000	0.002	0.001	0.000	0.000	0.048
Pacific Sardine			0.003	0.000	0.000	0.000
Squid Unidentified	0.574	0.795	0.043	0.834	0.067	0.453
All other nongroundfish	0.000	0.975	1.786	0.870	0.045	2.149

Table 2b

Species Name	Miss Berdie		Miss Sarah		Muir Milach	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUND FISH						
Whiting	479.0	1.2	1,882.2	3.9	2,278.3	21.8
Lingcod		0.000	0.056	0.078	0.115	0.001
Sablefish	0.271	0.061		0.000	0.010	0.000
FLAT FISH						
Arrowtooth Flounder	0.012	0.114	0.006	0.000	0.075	0.000
Dover Sole	0.000	0.016		0.000	0.001	0.000
Other Flatfish	0.017	0.055	0.001	0.000	0.002	0.000
ROCK FISH						
Canary Rockfish			0.000	0.018	0.031	0.000
Dark Blotched Rockfish			0.000	0.008	0.019	0.000
Pacific Ocean Perch	0.000	0.020	0.000	0.144	0.845	0.001
Widow Rockfish	0.000	0.061	0.000	0.087	0.183	0.001
Bocaccio	0.000	0.000	0.000	0.004	0.000	0.000
Shortbelly Rockfish	0.000	0.490	0.000	0.003	0.042	0.000
Shortspine Thornyhead	0.000	0.248	0.000	1.698	1.840	0.036
Yellowtail Rockfish			0.000	7.424	13.436	0.061
Minor Shelf Rockfish	0.000	0.001	0.000	0.019	0.004	0.000
Minor Slope Rockfish	0.033	0.758	0.041	0.029	1.500	0.002
REMAINING GROUND FISH SPECIES						
Spiny Dogfish Shark	0.000	0.137	0.000	0.096	0.060	0.335
Longnose Skate		0.000	0.000	0.023	0.016	0.000
Other Fish	0.000	0.000	0.000	0.000	0.048	0.069
PROHIBITED SPECIES						
Chinook Salmon	0	0	0	15	0	19
Chum Salmon	0	0	0	0	0	0
Coho Salmon	0	0	0	0	0	0
Pink Salmon	0	0	0	0	0	0
Pacific Halibut (in Metric Tons)	0.000	0.000	0.000	0.000	0.000	0.000
NON_GROUND FISH SPECIES						
American Shad		0.000	0.057	0.350	0.005	0.101
Jack Mackerel	0.003	0.006		0.000	13.829	0.000
Pacific Herring	0.000	0.000	0.002	0.004	0.012	0.000
Pacific Mackerel	0.005	0.005		0.000	0.078	0.000
Pacific Sardine					0.002	0.000
Squid Unidentified	0.000	0.656	0.565	0.006	0.028	1.120
All other nongroundfish	0.145	3.772	0.000	0.197	1.458	0.469

Table 2c

Species Name	Nordic Star		Pegasus		Predator	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUND FISH						
Whiting	2,516.6	3.9	3,965.6	14.6	1,963.2	26.4
Lingcod	0.169	0.001	0.029	0.000	0.077	0.029
Sablefish	0.025	0.000	0.005	0.000		
FLATFISH	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
Arrowtooth Flounder	0.130	0.000	0.000	0.014	0.013	0.001
Dover Sole	0.001	0.000				
Other Flatfish	0.061	0.000	0.000	0.001	0.000	0.000
ROCKFISH	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
Canary Rockfish	0.006	0.000				
Dark Blotched Rockfish	0.036	0.000	0.000	0.008		
Pacific Ocean Perch	0.418	0.000	0.097	0.073	0.020	0.051
Widow Rockfish	0.780	0.000	0.009	0.343	0.000	0.006
Bocaccio	0.001	0.000	0.000	0.001	0.000	0.000
Shortbelly Rockfish	0.044	0.000	0.000	0.005	0.000	0.003
Shortspine Thornyhead	4.415	0.001	0.003	0.977	0.000	1.093
Yellowtail Rockfish	20.716	0.033	0.000	1.754	0.000	4.707
Minor Shelf Rockfish	0.014	0.000	0.000	0.014	0.000	0.052
Minor Slope Rockfish	2.133	0.000	0.476	0.130	0.015	0.015
REMAINING GROUND FISH SPECIES	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
Spiny Dogfish Shark	0.046	0.333	0.000	0.185	0.000	0.015
Longnose Skate	0.014	0.008				
Other Fish	0.000	0.111	0.000	0.009	0.000	0.000
PROHIBITED SPECIES	Retained #	Discard #	Retained #	Discard #	Retained #	Discard #
Chinook Salmon	0	30	0	13	0	12
Chum Salmon	0	0	0	0	0	0
Coho Salmon	0	0	0	0	0	0
Pink Salmon	0	0	0	0	0	0
Pacific Halibut (in Metric Tons)	0.000	0.000	0.000	0.000	0.000	0.000
NON_GROUND FISH SPECIES	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
American Shad	0.018	0.074	0.000	0.085	0.122	0.165
Jack Mackerel	0.134	0.000	0.000	0.005		0.000
Pacific Herring	0.012	0.000	0.000	0.000	0.001	0.004
Pacific Mackerel	0.115	0.000	0.000	0.006	0.002	0.000
Pacific Sardine						
Squid Unidentified	0.055	1.046	0.296	0.714	0.771	0.005
All other nongroundfish	2.374	0.438	0.000	0.483	0.000	0.069

Table 2d

Species Name	Raven		Sea Storm		Seadawn	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUNDFISH						
Whiting	3,772.8	15.0	453.5	0.0	434.6	0.1
Lingcod	0.094	0.001				
Sablefish			0.490	0.023	0.396	0.001
FLATFISH	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
Arrowtooth Flounder	0.000	0.011	0.035	0.128	0.026	0.030
Dover Sole			0.001	0.000	0.007	0.003
Other Flatfish	0.000	0.001	0.005	0.075	0.023	0.018
ROCKFISH	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
Canary Rockfish	0.000	0.009				
Dark Blotched Rockfish	0.000	0.021				
Pacific Ocean Perch	0.151	0.030	0.000	0.013	0.000	0.005
Widow Rockfish	0.007	0.006	0.000	0.019	0.000	0.006
Bocaccio	0.000	0.002	0.000	0.000		
Shortbelly Rockfish	0.000	0.000	0.000	0.353	0.005	0.438
Shortspine Thornyhead	0.058	2.465	0.000	0.026	0.000	0.016
Yellowtail Rockfish	0.000	14.851				
Minor Shelf Rockfish	0.000	0.187	0.000	0.002	0.000	0.000
Minor Slope Rockfish	0.200	0.087	0.287	0.810	0.020	1.513
REMAINING GROUND FISH SPECIES	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
Spiny Dogfish Shark	0.000	0.121	0.000	0.295	0.000	0.099
Longnose Skate	0.000	0.018	0.000	0.015	0.000	0.032
Other Fish	0.000	0.000	0.000	0.000	0.000	0.000
PROHIBITED SPECIES	Retained #	Discard #	Retained #	Discard #	Retained #	Discard #
Chinook Salmon	0	16	0	0	0	3
Chum Salmon	0	0	0	0	0	0
Coho Salmon	0	0	0	0	0	0
Pink Salmon	0	0	0	0	0	0
Pacific Halibut (in Metric Tons)	0.000	0.000	0.000	0.000	0.000	0.000
NON_GROUND FISH SPECIES	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
American Shad	0.000	0.145		0.000		0.000
Jack Mackerel	0.012	0.009	0.024	0.001	0.031	0.577
Pacific Herring	0.000	0.000	0.000	0.000	0.000	0.000
Pacific Mackerel	0.000	0.003				
Pacific Sardine						
Squid Unidentified	0.238	0.534	0.000	0.277	0.000	0.293
All other nongroundfish	0.000	0.665	0.000	2.624	0.000	1.794

Table 2e

Species Name	Seeker		Traveler		WMC FLEET TOTALS	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUNDFISH						
Whiting	2,671.4	8.2	624.1	0.0	27,538.3	119.9
Lingcod	0.077	0.000			0.740	0.111
Sablefish	0.290	0.003	0.193	0.000	1.831	0.087
FLATFISH						
Arrowtooth Flounder	0.064	0.044	0.000	0.022	0.443	0.409
Dover Sole	0.002	0.002		0.000	0.013	0.024
Other Flatfish	0.037	0.026	0.000	0.004	0.164	0.186
ROCKFISH						
Canary Rockfish	0.000	0.008			0.095	0.042
Dark Blotched Rockfish			0.000	0.002	1.830	0.547
Pacific Ocean Perch	0.000	0.099	0.000	0.016	1.059	0.704
Widow Rockfish	0.000	0.091	0.005	0.015	8.801	8.410
Bocaccio	0.000	0.000	0.000	0.001	0.049	0.035
Shortbelly Rockfish	0.000	0.207	0.000	0.001	0.001	0.009
Shortspine Thornyhead	0.000	0.829	0.001	0.020	0.230	1.500
Yellowtail Rockfish	0.000	12.894	0.042	0.010	40.794	45.090
Minor Shelf Rockfish	0.000	0.056	0.000	0.000	0.032	0.336
Minor Slope Rockfish	0.034	0.565	0.040	0.164	5.651	4.510
REMAINING GROUND FISH SPECIES						
Spiny Dogfish Shark	0.000	0.124	0.000	0.336	0.144	2.861
Longnose Skate			0.000	0.032	0.063	0.214
Other Fish	0.000	0.088	0.000	0.000	0.054	0.277
PROHIBITED SPECIES						
Chinook Salmon	0	11	0	13	0	262
Chum Salmon	0	0	0	0	0	0
Coho Salmon	0	0	0	0	0	0
Pink Salmon	0	0	0	0	0	0
Pacific Halibut (in Metric Tons)	0.000	0.036	0.000	0.000	0.000	0.049
NON_GROUND FISH SPECIES						
American Shad	0.136	0.311	0.000	0.031	0.383	1.774
Jack Mackerel	0.002	0.146	0.245	0.448	14.287	9.360
Pacific Herring	0.004	0.005	0.000	0.005	0.039	0.020
Pacific Mackerel	0.028	0.003	0.006	0.008	0.236	0.074
Pacific Sardine					0.005	0.000
Squid Unidentified	1.158	0.238	0.030	0.427	3.824	7.398
All other nongroundfish	0.000	2.309	0.000	2.964	5.809	19.777

Vessel Rates YTD (KG/MT)

Harvesting Vessel	Canary Rockfish	Widow Rockfish	Dark Blotched Rockfish	Pacific Ocean Perch	Chinook Salmon	Rougheye Rockfish
Arctic Fury	0.001	0.278	0.071	0.015	0.005	0.136
Lisa Melinda	0.018	1.124	0.054	0.032	0.005	0.183
Mark I	0	0.009	0.023	0.032	0.165	0.23
Miss Berdie	0	0.516	0.042	0.126	0	0.268
Miss Sarah	0.004	0.9	0.076	0.046	0.008	0.032
Muir Milach	0.008	0.815	0.368	0.08	0.008	0.6
Nordic Star	0.014	1.752	0.166	0.31	0.012	0.504
Pegasus	0.002	0.246	0.043	0.088	0.003	0.128
Predator	0	0.549	0.036	0.003	0.006	0.012
Raven	0.006	0.666	0.048	0.004	0.004	0.062
Sea Storm	0	0.058	0.028	0.042	0	1.508
Seadawn	0	0.038	0.012	0.015	0.007	2.739
Seeker	0	0.309	0.037	0.034	0.004	0.031
Traveler	0.002	0.033	0.025	0.031	0.021	0.277

Fleet Rates YTD (KG/MT)

Processing Vessel	Canary Rockfish	Widow Rockfish	Dark Blotched Rockfish	Pacific Ocean Perch	Chinook Salmon	Rougheye Rockfish
Arctic Storm	0.001	0.493	0.044	0.034	0.005	0.274
Excellence	0.003	0.358	0.051	0.036	0.013	0.123
Ocean Rover	0.014	1.249	0.197	0.148	0.008	0.436

Yellow indicates test i part 2 failure (move may be required if 3 day rate fails also)

Fleet Rates Last 3 Days (KG/MT)

Begin Date	End Date	Processing Vessel	Predominant Pool	Canary Rockfish	Widow Rockfish	Dark Blotched Rockfish	Pacific Ocean Perch	Chinook Salmon	Rougheye Rockfish
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Yellow indicates test i failure, orange indicates test ii failure (either color indicates that a move is required)

Fleet Daily Rates (KG/MT)

Date	Processing Vessel	Predominant Pool	Canary Rockfish	Widow Rockfish	Dark Blotched Rockfish	Pacific Ocean Perch	Chinook Salmon	Rougheye Rockfish
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Yellow indicates test iii failure (move required)

4.3 Relocation of Fishing Effort.

If (i) a Fleet's three (3) day rolling average bycatch rate of Overfished Species or Chinook salmon exceeds the Base Rate for any such species (i part 1), and that Fleet's cumulative annual bycatch rate for such species exceeds fifty percent (50%) of the Base Rate for such species (i part 2),

or

(ii) a Fleet's three (3) day rolling average bycatch rate for any of such species exceeds one-hundred twenty-five percent (125%) of the Base Rate for such species,

or

(iii) a Fleet's bycatch rate during any single day exceeds two-hundred percent (200%) of the Base Rate for such species, then that Fleet and the Mothership to which it delivers shall relocate their fishing effort to an area where that Fleet could reasonably expect to achieve a lower Overfished Species and Chinook salmon bycatch rate.

Note: No fleet is required to relocate until 50% of the pro-rata share of Chinook for that seasonal pool has been taken. At that point, the Chinook base rate has two stages:

a) 0.04 Chinook/mt is the base rate for fleets that have taken more than their pro-rata share Chinook relative to whiting harvested,

and,

b) 0.06 Chinook/mt is the base rate for fleets that have taken less than their pro-rata share of Chinook relative to whiting harvested.

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June 2016

Vessel Allocation and Catch YTD (MT)

Pool	Harvesting Vessel	Pacific Hake Allocation	Pacific Hake Remaining	Pacific Hake	Canary Rockfish	Widow Rockfish	Dark Blotched Rockfish	Pacific Ocean Perch	Chinook Salmon	Rougheye Rockfish
1	Arctic Fury	3,947	477	3471	0.002	1.036	0.238	0.053	19	0.358
1	Lisa Melinda	2,516	894	1622	0.036	1.678	0.058	0.064	8	0.357
1	Miss Sarah	2,087	201	1886	0.008	1.698	0.144	0.087	15	0.06
1	Muir Milach	1,632	76	1556	0.019	0.913	0.109	0.164	17	1.276
1	Nordic Star	2,235	501	1734	0.009	1.042	0.328	0.768	26	1.146
1	Pegasus	3,873	202	3670	0.008	0.975	0.107	0.345	13	0.19
1	Predator	2,193	205	1988	0	1.093	0.071	0.006	12	0.024
1	Raven	3,809	126	3682	0.021	2.507	0.156	0.012	16	0.206
1	Sea Storm	124	0	124	0	0.011	0	0	0	0.024
1	Seadawn	667	233	435	0	0.016	0.005	0.006	3	1.191
1	Seeker	3,563	884	2680	0	0.83	0.099	0.091	11	0.084
1	Western Dawn	188	188	0	0	0	0	0	0	0
2	Arctic Fury	266	0	266	0	0.001	0.026	0.003	0	0.151
2	Lisa Melinda	551	0	551	0.004	0.765	0.059	0.004	2	0.041
2	Muir Milach	1,539	812	727	0	0.962	0.737	0.02	2	0.105
2	Nordic Star	783	-3	786	0.027	3.374	0.089	0.012	4	0.124
2	Pegasus	297	-11	308	0	0.006	0.063	0.007	0	0.319
2	Raven	103	-2	104	0	0.015	0.025	0.001	0	0.027
2	Western Dawn	0	0	0	0	0	0	0	0	0
3	Arctic Fury	249	249	0	0	0	0	0	0	0
3	Lisa Melinda	152	152	0	0	0	0	0	0	0
3	Mark I	4,496	3,885	612	0	0.006	0.014	0.02	101	0.141
3	Miss Berdie	1,000	520	480	0	0.248	0.02	0.06	0	0.129
3	Muir Milach	1,986	1,986	0	0	0	0	0	0	0
3	Nordic Star	1,264	1,264	0	0	0	0	0	0	0
3	Pegasus	185	185	0	0	0	0	0	0	0
3	Raven	90	90	0	0	0	0	0	0	0
3	Sea Storm	1,457	1,127	330	0	0.015	0.013	0.019	0	0.66
3	Traveler	4,414	3,790	624	0.002	0.021	0.016	0.02	13	0.173
3	Western Dawn	607	607	0	0	0	0	0	0	0
4	Lisa Melinda	1,458	1,458	0	0	0	0	0	0	0
4	Marathon	3,960	3,960	0	0	0	0	0	0	0
4	Miss Berdie	2,134	2,134	0	0	0	0	0	0	0
4	Muir Milach	1,987	1,987	0	0	0	0	0	0	0
4	Nordic Star	3,222	3,222	0	0	0	0	0	0	0
4	Pacific Challenger	2,138	2,138	0	0	0	0	0	0	0
4	Sea Storm	2,670	2,670	0	0	0	0	0	0	0
4	Seadawn	4,450	4,450	0	0	0	0	0	0	0
4	Western Dawn	1,669	1,669	0	0	0	0	0	0	0
5	Sea Storm	576	576	0	0	0	0	0	0	0
5	Seadawn	667	667	0	0	0	0	0	0	0

Exhibit A

WHITING MOTHERSHIP COOPERATIVE

Members as of March 3rd, 2016

<i>Permit Owner and Contact</i>	<i>Permit Number</i>	<i>Mailing Address</i>
American Seafoods Company LLC Mike Hyde Jan Jacobs	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 Mike Okoniewski	GF0272	P.O. Box 5583 Charleston, OR 97420
Cooper, Mark E. Mark Cooper	GF0254	P.O. Box 428 Newport, OR 97365
EX-1 Corporation Michael Retherford	GF0810	880 N.E. Sturdevant Road Toledo, OR 97391
Fury Group, Inc. Michael Stone	GF0051 GF0675	4005 20 th Avenue West Suite 207 Seattle, WA 98199
F/V Leslie Lee, Inc. Raymond Hall Danny Hall Skip Woodard	GF0144	P.O. Box 2276 Newport, OR 97365
F/V Neahkahnle LLC Dale Myer Donna Parker	GF0374	2727 Alaskan Way, Pier 69 Seattle, WA 98121
Miss Sue Fisheries Inc. Jim Seavers	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	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 Fisheries, Inc. David Smith Jerry Bates	GF0010	P.O. Box 1650 Newport, OR 97365
Marathon Fisheries, Inc. Kurt Cochran Kimberlee Cochran	GF0105	P.O. Box 290 Siletz, OR 97380
MAR-GUN Fisheries, Inc. Gunnar Ildhuso, Jr.	GF0438	101 Nickerson Street Suite 340 Seattle, WA 98109
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	GF0052	112 Harrison Avenue Centralia, WA 98531
North Sea, Inc. Bryan North Mike Storey	GF0132	7327 SW Barnes Rd. #102, Portland Oregon, 97225
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 Joe Bersch	GF0362	333 First Ave. West, Seattle, WA 98119
Retherford, Michael or Kelley	GF0515	880 N.E. Sturdevant Road Toledo, OR 97391
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. Arctic Storm, Inc. Dale Myer Donna Parker	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

Exhibit B**WHITING MOTHERSHIP COOPERATIVE**
Harvest Schedule as of March 3rd, 2016

1. Members/Permit Owners and Allocation Percentages

<i>Members/Permit Owners & Contact Persons</i>	<i>Percentage Allocation</i>
American Seafoods Company LLC Mike Hyde Jan Jacobs	GF0351 9.945747%
Bay Islander Fisheries Inc. Kurt Cochran Kimberlee Cochran	GF0320 0.505995%
Calamari LLC Mike Okoniewski	GF0272 0.611940%
Cooper, Mark E. Mark Cooper Chris Cooper	GF0254 1.919750%
EX-1 Corporation Michael Retherford	GF0810 0.542467%
F/V Leslie Lee, Inc. Raymond Hall Danny Hall	GF0144 4.113516%
F/V/ Neahkahnne LLC Dale Myer Donna Parker	GF0374 3.944061%
F/V Seeker, Inc. Jim Seavers	GF0109 4.858447%
Fury Group, Inc. Michael Stone	GF0675 4.298209%

<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	GF0017 0.374698%
Larkin, Marion	GF0136 0.152638%
Lisa Melinda Fisheries, Inc. 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	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 Joe Bersch	GF0362 1.527815%
Retherford, Michael or Kelley	GF0515 0.955006%
Sea Clipper LLC Greg Shaughnessy	GF0433 0.156388%
Sea Storm Fisheries, Inc. and Arctic Storm, Inc. Dale Myer Donna Parker	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 2016 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
BALLAD O.N. 590537	LESLIE LEE O.N. 584873	LISA MELINDA O.N. 584360
MARATHON O.N. 596156	MAR-GUN O.N. 525608	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	NEAHKAHNIE O.N. 599534
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>
OCEAN HUNTER O.N. 926699	NORDIC STAR O.N. 961	PACIFIC CHALLENGER O.N. 518937
PACIFIC FURY O.N. 561934	PACIFIC PRINCE O.N. 697280	PACIFIC RAM O.N. 589115
PEGASUS O.N. 565120	PERSEVERANCE O.N. 536873	PREDATOR O.N. 547390
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	NORTHERN RAM O.N. 979437

**WHITING MOTHERSHIP COOPERATIVE
SECOND ADDENDUM TO
THIRD AMENDED AND RESTATED MEMBERSHIP AGREEMENT**

This SECOND 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 1st, 2016.

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 Membership Agreement dated as of March 8, 2011, that certain Amended and Restated Membership Agreement dated as of March 1, 2012 and the Second Amended and Restated Membership Agreement dated March 1, 2013, and that certain Third Amended and Restated Membership Agreement dated as of March 3rd, 2014 (as amended, the “Membership Agreement”).

D. Pursuant to Section 11.a. of the Membership Agreement, the Cooperative Board of Directors has the authority to modify the fishing activity restrictions set forth therein. The Cooperative’s Board of Directors has determined that it is in the best interests of the Cooperative to add an additional seasonal pool, becoming available for harvest on June 1, for the year 2016, and to specify the procedure that will be followed in the event that the Cooperative receives a supplemental allocation of “Non-Whiting Species” during the course of a fishing season.

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.

a. Management Measures. The 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 (i) through (ix), below, shall take effect until the immediately following February 15. Notwithstanding the foregoing, amendments to the Whiting Bycatch Agreement shall take effect as of the effective date of such amendments. The fishing restrictions in effect as of February 15, 2016 are as follows:

i. 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.

ii. Each Member agrees that the Cooperative's mothership sector Pacific whiting allocation shall be divided into five seasonal pools for the year 2016, the first pool being available for harvest on May 15, the second pool being available on June 1, the third pool being available on July 1, the fourth pool being available on September 15, and the fifth seasonal pool being available on October 15. Unless the Cooperative's Board of Directors takes action otherwise, for the year 2017 and thereafter, the Cooperative shall have four seasonal pools, becoming available May 15, July 1, September 15 and October 15, respectively.

iii. 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

fifteen (15) days prior to the start date for each seasonal pool, each Member shall notify the Manager in writing regarding the amount of such Member's initial Pacific whiting allocation to be apportioned to such seasonal pool, shall identify the vessel or vessels that will harvest such Member's Harvest Share from such seasonal pool, and shall state the amount of tonnage to be harvested by each such vessel from such pool.

iv. Upon the Manager having received the Members' pool apportionment notices, the Manager shall apportion the initial Non-Whiting Species set-asides and allocations established pursuant to Section 3.b, above, to the seasonal pools, pro rata according to the proportion of Pacific whiting tonnage that the Members have declared their intention to harvest from such seasonal pool. Such initial Non-Whiting Species set-asides and allocations shall be managed as a common pool resource available to the vessels harvesting the Members' Pacific whiting allocations from such seasonal pool, under the terms and conditions of this Section 11, as amended from time to time, the Whiting Bycatch Agreement as amended from time to time, and such additional management measures that the Cooperative's Board of Directors adopts from time to time.

v. 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 initial Pacific whiting tonnage that the Members have declared their intention to harvest from such seasonal pool. If the Cooperative receives an additional Non-Whiting species allocation before its initial allocation of such species has been exhausted, the additional allocation shall be apportioned among the seasonal pools pro rata according to the proportion of initial Pacific whiting tonnage that the Members have declared their intention to harvest from such seasonal pool. If the Cooperative receives an additional allocation of a Non-Whiting Species after its initial allocation of such species has been exhausted, the additional allocation shall be apportioned among one or more seasonal pools as the Board of Directors determines appropriate, per Section 11.a.ix., below.

vi. As of the earlier of (i) the total amount of Pacific whiting Harvest Share allocated to a seasonal pool being harvested, or (ii) the aggregate amount of one or more Non-Whiting Species apportioned to that seasonal pool being caught, the Manager shall close such seasonal pool, and all harvesting from that pool shall cease. If a seasonal pool is closed because the total amount of Pacific whiting allocated to that seasonal pool has been harvested, all vessels that harvested Pacific whiting from that pool shall be eligible to harvest Pacific whiting from subsequent seasonal pools during the

same fishing year. If a seasonal pool closes because the aggregate amount of one or more Non-Whiting Species apportioned to the seasonal pool has been harvested, the Manager shall evaluate each participating vessel's catch amounts of each Non-Whiting Species apportionment that was fully harvested from that seasonal pool. Subject to the provisions of subsection 11.vi.A, below, if the amount of the Non-Whiting Species harvested by a vessel participating in the pool that was fully harvested from that seasonal 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 reduced by Non-Whiting Species amounts associated with Pacific whiting that was subsequently transferred to other pool vessels for harvesting, and as increased by the Non-Whiting Species amounts associated with Pacific whiting subsequently transferred to and harvested by that vessel, then such vessel shall not be eligible to harvest any Pacific whiting transferred from a closed pool to a subsequent pool, and shall not be eligible to harvest any Pacific whiting Harvest Share apportioned to a subsequent seasonal pool other than that assigned to such vessel at the time of initial Member election pursuant to Section 11(a)(iii), above, 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, upon the additional allocation being apportioned among the seasonal pools in accordance with Section 11.a.v., 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 into account, and each vessel's eligibility to harvest in a subsequent pool shall be determined in accordance with this Section on the basis of the adjusted allocation.

A. If a seasonal pool is closed because the aggregate amount of one or more Non-Whiting Species apportioned to the seasonal pool has been harvested, and one or more vessels are declared ineligible to harvest under Section 11.a.vi, above, as a result, 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 that was the basis for pool closure caught by each vessel that has been declared ineligible to fish under

subsection 11.a.vi. 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 reduced by Non-Whiting Species amounts associated with Pacific whiting that was subsequently transferred to other pool vessels for harvesting, and as increased by the Non-Whiting Species amounts associated with Pacific whiting subsequently transferred to and harvested by that vessel, 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 pursuant to Section 11(a)(iii). 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.

vii. Any Non-Whiting Species set-asides or allocations that are not used before a seasonal pool subsequent to the seasonal pool to which they are apportioned opens shall be available for harvest by vessels participating in subsequent seasonal pools on a species by species basis, when the respective Non-Whiting Species set-aside or allocation originally made to such subsequent seasonal pool is exhausted. In the event that a Member's Pacific whiting Harvest Share tonnage is not fully harvested during a seasonal pool to which it was allocated, such Member may harvest its remaining Harvest Share or have its remaining Harvest Share harvested during the subsequent seasonal pool on the condition that the vessel(s) harvesting such Member's Harvest Share during the prior seasonal period are eligible to harvest in the subsequent pool under subsection 11.a.vi or 11.a.vi.A, above.

viii. For purposes of Sections 11(a)vi and 11(a)vii, above, "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.

ix. If the Cooperative’s initial allocation of a Non-Whiting Species is exhausted, notwithstanding the provisions of Sections 11.a.vi. through 11.a.vii., above, all seasonal pools shall close, regardless of whether their allocations of such Non-Whiting Species have been attained. If subsequent to such closure, the Cooperative receives an additional allocation of such Non-Whiting Species, the Cooperative Board of Directors may re-open one or more seasonal pools, allocate some or all remaining and supplemental Non-Whiting Species allocations 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, the provisions of Sections 11.a.vi through 11.a.vii, notwithstanding.

b. 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.”