

Whiting Mothership Cooperative

An Amendment 20 Mothership Catcher Vessel Cooperative

Report on the 2012 Pacific Whiting Fishery

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WMC Report on the 2012 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). The owners of all of the MS/CV LEPs remain members in good standing of the WMC for the 2012 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 2012 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 (A-E) are found in the 50 CFR 660.113(d)(3)

(3) Annual coop report – (i) The designated coop manager for the mothership coop must submit an annual report to the Pacific Fishery Management Council for their November meeting each year. The annual coop report will contain information about the current year's fishery, including:

- (A) The mothership sector's annual allocation of Pacific whiting and the permitted mothership coop allocation;*
- (B) 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;*
- (C) A description of the method used by the mothership coop to monitor performance of coop vessels that participated in the fishery;*
- (D) A description of any actions taken by the mothership coop in response to any vessels that exceed their allowed catch and bycatch; and*
- (E) 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.*

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

The Mothership sector of the Pacific Whiting fishery was initially allocated 32,515 tons of whiting, followed by a re-apportionment in October of 6,720 tons. 100% of the Mothership sector whiting was allocated to the Whiting Mothership Cooperative.

(B) 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 seven of the MS/CV endorsed trawl limited entry permit holders joined the Whiting Mothership Cooperative (WMC).

As of December 31st, 2012, seventeen MS/CVs fished in the MS sector of the whiting fishery..

Data on the catch, as of December 31st 2012, of Whiting, Salmon, Halibut, Rockfish, Groundfish and Other Species, is shown in the tables attached tables #1 & 2(a-f) (Attachment 1). The table #1 shows the aggregate fleet catch, with a breakdown of each species category. The following tables #2(a-f) show the vessel by vessel catch for each species category. 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.

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

The WMC retained 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. 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.

A copy of the final daily report of the season is included as Attachment 2.

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

To date, no vessels have exceeded their allowed 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.

One vessel exceeded its pro-rata share of the bycatch of widow rockfish allocated to its seasonal pool. Under the terms of the coop agreements, the vessel was not allowed to transfer the balance of its whiting from that pool into a subsequent pool.

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 2012 fishing season and recommended retaining the 2011 bycatch avoidance measures. The recommendations were adopted by the board. The bycatch committee met during the season to review whether to modify or maintain the closures. One additional cautionary area was adopted by the board subsequent to the opening of the 2012 season.

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, has served to avoid using up bycatch allocations.

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. However, the 'relocation' triggers described above have pre-empted the need to use this authority during the 2012 season.

Seasonal Pools

The Coop agreement provides for dividing the whiting allocation into as many as 4 pools with various start dates. During the 2012 season the whiting was divided into 3 pools. 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, members of that pool whose cumulative bycatch rate exceeded their pro-rata share by 25%, that vessel is restricted from harvesting additional whiting in a subsequent seasonal pool.

During the 2012 season one pool was closed due to bycatch. There have not been any violations of the WMC Bycatch Agreement.

(E) 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 only changes in membership between 2011 and 2012 were the result of changes of ownership of two permits. Therefore the member permits will continue as in 2012, as shown in Exhibit A of the WMC Membership Agreement (Attachment 3) filed with the MS cooperative permit application NMFS for the 2012 season.

There have been no changes to the 2012 harvest agreement, catch monitoring, or reporting requirements. The board will review the Membership Agreement and consider modifications prior to the Coop Permit Renewal deadline in 2013.

Attachment 1

Table 1 (part 1)

SpeciesName	Code	WMC FLEET TOTALS			
		Retained mt	Discard mt	Total	# of Vessels
ROUNDFISH	Code				
PACIFIC HAKE	206	38,338.450	140.030	38,478.480	16
PACIFIC COD	202	0.000	0.006	0.000	2
SABLEFISH (BLACK COD)	203	0.267	0.655	0.900	9
LINGCOD	603	0.096	0.069	0.170	9
FLATFISH	Code				
FLATFISH - UNIDENT.	100	0.004	0.000	0.000	1
REX SOLE	105	0.138	0.159	0.300	6
DOVER SOLE	107	0.010	0.015	0.030	3
SLENDER SOLE	111	0.016	0.000	0.020	1
ARROWTOOTH FLOUNDER (TURBOT)	141	1.181	0.927	2.110	16
ROCKFISH	Code				
PACIFIC OCEAN PERCH	301	1.020	0.335	1.360	14
WIDOW ROCKFISH	305	11.172	26.061	37.240	16
DARK BLOTCHED ROCKFISH	311	0.555	0.698	1.250	16
CANARY ROCKFISH	314	0.015	0.133	0.160	11
BOCACCIO	302	0.012	0.031	0.040	4
SHARPCHIN ROCKFISH	304	0.001	0.000	0.000	1
ROUGHEYE ROCKFISH	307	10.341	1.311	11.660	14
RED BANDED ROCKFISH	308	0.000	0.005	0.000	1
SILVERGRAY ROCKFISH	310	0.071	0.054	0.120	11
SPLITNOSE ROCKFISH	315	7.853	2.835	10.680	14
SHORTBELLY ROCKFISH	318	0.096	0.172	0.270	11
BLACKGILL ROCKFISH	319	0.003	0.000	0.000	1
YELLOWMOUTH ROCKFISH	320	0.042	0.000	0.040	3
YELLOWTAIL ROCKFISH	321	4.967	6.418	11.400	15
REDSTRIPE ROCKFISH	324	0.009	0.020	0.020	7
CHILIPEPPER ROCKFISH	325	0.003	0.004	0.000	3
SHORTTRAKER ROCKFISH	326	0.012	0.000	0.010	1
AURORA ROCKFISH	334	0.000	0.007	0.010	1
BANK ROCKFISH	337	0.007	0.000	0.010	1
SHORTSPINE THORNYHEAD (IDIOT)	350	0.157	0.351	0.520	8
REMAINING GROUND FISH SPECIES	Code				
SQUID - UNIDENT.	50	11.448	16.061	27.510	16
OCTOPUS - UNIDENT.	60	0.004	0.002	0.000	2
PACIFIC SLEEPER SHARK	62	0.000	0.099	0.100	3
SOUPFIN SHARK	64	0.000	0.072	0.070	2
SPINY DOGFISH SHARK	66	6.832	22.772	29.600	16
SALMON SHARK	67	0.000	1.267	1.270	3
BROWN CAT SHARK	68	0.448	4.449	4.900	13
BLUE SHARK	69	0.000	0.105	0.100	1
LAMPREY - UNIDENT.	75	0.023	0.009	0.030	9
RATTAIL (GRENADIER) -UNIDENT.	80	0.000	0.010	0.000	4
PACIFIC ELECTRIC RAY	93	0.000	0.034	0.040	2
BIG SKATE	94	0.000	0.007	0.010	1
LONGNOSE SKATE	95	0.000	0.032	0.040	2

Table 1 (part 2)

SpeciesName	Code	WMC FLEET TOTALS			
		Retained #s	Discard #s	Total	# of Vessels
PROHIBITED SPECIES - Salmon	Code				
CHUM SALMON (DOG)	221	0	2	2	1
KING SALMON (CHINOOK)	222	0	2,295	2,295	14
SILVER SALMON (COHO)	223	0	4	4	2
PROHIBITED SPECIES - - other	Code				
PACIFIC HALIBUT	101	0.000	0.100	0.100	6
NON-GROUNDFISH SPECIES	Code				
JELLYFISH - UNIDENT.	35	0.006	0.523	0.520	14
ASCIDIAN, SEA SQUIRT, TUNICATE	43	0.000	0.012	0.010	3
CHUB MACKEREL (PACIFIC)	199	0.048	0.632	0.680	6
JACK MACKEREL	207	0.746	8.836	9.580	13
RAGFISH	280	0.296	0.418	0.740	7
OPAH	297	0.000	0.018	0.020	1
HUMBOLDT SQUID	511	0.000	0.013	0.010	2
RIBBONFISH - UNIDENT.	563	0.018	0.041	0.060	3
AMERICAN SHAD	606	0.182	0.503	0.680	15
KING-OF-THE-SALMON	608	0.339	0.372	0.710	11
PACIFIC SARDINE	614	0.008	0.009	0.010	4
LANTERNFISH - UNIDENT.	700	0.000	0.003	0.000	2
DUCKBILL BARRACUDINA	769	0.011	0.050	0.050	8
BARRACUDINA - UNIDENT.	770	0.000	0.002	0.000	1
PACIFIC POMFRET	775	0.000	0.009	0.010	2
MEDUSAFISH	776	0.000	0.012	0.000	4
TUBESHOULDER - UNIDENT	807	0.000	0.002	0.000	1
OCEAN SUNFISH	810	0.021	0.073	0.110	7
NORTHERN FULMAR	854	0.000	0.002	0.000	1
FISH WASTE (HEADS, DECOMP,ETC)	899	0.002	0.000	0.000	1
MISC - UNIDENT.	900	0.000	0.026	0.010	8
INVERTEBRATE - UNIDENT.	902	0.000	0.029	0.020	5

Table 2a (part 1)

SpeciesName	ARCTIC FURY		BAY ISLANDER		BLUE FOX	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUND FISH						
PACIFIC HAKE	3128.448	0.000	2017.841	0.000	772.690	0.000
PACIFIC COD	0.000	0.003				
SABLEFISH (BLACK COD)	0.045	0.077				
LINGCOD	0.000	0.008	0.004	0.000		
FLATFISH						
FLATFISH - UNIDENT.						
REX SOLE	0.000	0.071				
DOVER SOLE	0.000	0.008				
SLENDER SOLE (TURBOT)	0.000	0.241	0.148	0.000	0.008	0.000
ROCKFISH						
PACIFIC OCEAN PERCH	0.007	0.127	0.028	0.000	0.000	0.021
WIDOW ROCKFISH	0.463	0.906	0.391	0.000	0.260	15.184
DARK BLOTCHED ROCKFISH	0.002	0.158	0.200	0.000	0.000	0.011
CANARY ROCKFISH	0.004	0.015			0.000	0.003
BOCACCIO						
SHARPCIN ROCKFISH						
ROUGHEYE ROCKFISH	0.634	0.333	1.843	0.000	0.000	0.056
RED BANDED ROCKFISH						
SILVERGRAY ROCKFISH	0.000	0.003	0.021	0.000		
SPLITNOSE ROCKFISH	0.000	1.736	0.015	0.000	0.000	0.111
SHORTBELLY ROCKFISH	0.000	0.054	0.029	0.000		
BLACKGILL ROCKFISH						
YELLOWMOUTH ROCKFISH						
YELLOWTAIL ROCKFISH	0.290	0.769	0.580	0.000	0.000	0.066
REDSTRIPE ROCKFISH					0.000	0.001
CHILIPEPPER ROCKFISH						
SHORTRAKER ROCKFISH			0.012	0.000		
AURORA ROCKFISH						
BANK ROCKFISH						
SHORTSPINE THORNYHEAD (IDIOT)	0.035	0.101				
REMAINING GROUND FISH SPECIES						
SQUID - UNIDENT.	0.158	2.790	0.432	0.443	0.362	0.000
OCTOPUS - UNIDENT.					0.000	0.002
PACIFIC SLEEPER SHARK	0.000	0.014				
SOUPFIN SHARK	0.000	3.553				
SPINY DOGFISH SHARK			0.025	1.340	0.000	1.103
SALMON SHARK			0.000	0.127		
BROWN CAT SHARK	0.000	1.542	0.000	0.006	0.000	0.003
BLUE SHARK						
LAMPREY - UNIDENT.	0.000	0.001				
RATTAIL (GRENADIER) - UNIDENT.					0.000	0.005
PACIFIC ELECTRIC RAY					0.000	0.007
BIG SKATE						
LONGNOSE SKATE	0.000	0.015				

Table 2a (part 2)

SpeciesName	ARCTIC FURY		BAY ISLANDER		BLUE FOX	
	Retained #s	Discard #s	Retained #s	Discard #s	Retained #s	Discard #s
PROHIBITED SPECIES - Salmon						
CHUM SALMON (DOG)				2		
KING SALMON (CHINOOK)		128		116		32
SILVER SALMON (COHO)				2		
PROHIBITED SPECIES - - other	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
PACIFIC HALIBUT			0.000	0.027		
NON-GROUNDFISH SPECIES						
JELLYFISH - UNIDENT.	0.000	0.072	0.000	0.023	0.000	0.011
ASCIDIAN, SEA SQUIRT, TUNICATE						
CHUB MACKEREL (PACIFIC)	0.011	0.001				
JACK MACKEREL	0.078	0.595	0.015	0.000	0.000	0.613
RAGFISH	0.000	0.075	0.000	0.056		
OPAH						
HUMBOLDT SQUID	0.000	0.009				
RIBBONFISH - UNIDENT.	0.000	0.013				
AMERICAN SHAD	0.000	0.020	0.029	0.000		
KING-OF-THE-SALMON	0.000	0.046	0.023	0.005	0.000	0.069
PACIFIC SARDINE	0.000	0.001				
LANTERNFISH - UNIDENT.	0.000	0.001				
DUCKBILL BARRACUDINA	0.000	0.020			0.000	0.001
BARRACUDINA - UNIDENT.						
PACIFIC POMFRET	0.000	0.003				
MEDUSAFISH	0.000	0.005			0.000	0.002
TUBESHOLDER - UNIDENT						
OCEAN SUNFISH	0.000	0.011				
NORTHERN FULMAR						
FISH WASTE (HEADS, DECOMP,ETC)						
MISC - UNIDENT.	0.000	0.001	0.000	0.003		
INVERTEBRATE - UNIDENT.	0.000	0.003				

Table 2b (part 1)

SpeciesName	LISA MELINDA		MARATHON		MARK I	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUND FISH						
PACIFIC HAKE	2269.696	99.155	990.479	0.000	3979.410	3.355
PACIFIC COD						
SABLEFISH (BLACK COD)	0.024	0.052			0.000	0.033
LINGCOD	0.013	0.006			0.000	0.018
FLAT FISH						
FLATFISH - UNIDENT.						
REX SOLE	0.064	0.051			0.000	0.008
DOVER SOLE	0.010	0.007				
SLENDER SOLE (TURBOT)	0.153	0.077	0.116	0.000	0.000	0.249
ROCK FISH						
PACIFIC OCEAN PERCH	0.349	0.002	0.026	0.000	0.048	0.016
WIDOW ROCKFISH	1.620	0.022	0.244	0.000	0.558	4.747
DARK BLOTCHED ROCKFISH	0.029	0.006	0.092	0.000	0.023	0.010
CANARY ROCKFISH					0.000	0.016
BOCACCIO	0.000	0.005				
SHARPCHIN ROCKFISH						
ROUGHEYE ROCKFISH	2.064	0.083	1.292	0.000	0.772	0.250
RED BANDED ROCKFISH					0.000	0.005
SILVERGRAY ROCKFISH	0.027	0.002	0.015	0.000	0.000	0.018
SPLITNOSE ROCKFISH	0.036	0.002			0.000	0.042
SHORBELLY ROCKFISH	0.007	0.000			0.000	0.027
BLACKGILL ROCKFISH						
YELLOWMOUTH ROCKFISH	0.033	0.000				
YELLOWTAIL ROCKFISH	0.156	0.157	0.150	0.000	1.975	1.208
REDSTRIPE ROCKFISH			0.009	0.000	0.000	0.006
CHILIPEPPER ROCKFISH			0.068	0.000		
SHORTRAKER ROCKFISH			0.000	0.002		
AURORA ROCKFISH	0.000	0.007				
BANK ROCKFISH	0.007	0.000				
SHORTSPINE THORNYHEAD (IDIOT)	0.093	0.105			0.000	0.010
REMAINING GROUND FISH SPECIES						
SQUID - UNIDENT.	0.783	0.705	0.583	0.000	0.153	2.647
OCTOPUS - UNIDENT.						
PACIFIC SLEEPER SHARK	0.000	0.040				
SOUPFIN SHARK					0.000	0.022
SPINY DOGFISH SHARK	0.754	0.177	0.000	0.812	0.000	3.807
SALMON SHARK						
BROWN CAT SHARK	0.118	1.631	0.000	0.006	0.000	0.285
BLUE SHARK					0.000	0.104
LAMPREY - UNIDENT.	0.000	0.002				
RATTAIL (GRENADIER) -UNIDENT.	0.000	0.001			0.000	0.002
PACIFIC ELECTRIC RAY	0.000	0.027				
BIG SKATE						
LONGNOSE SKATE						

Table 2b (part 2)

SpeciesName	LISA MELINDA		MARATHON		MARK I	
	Retained #s	Discard #s	Retained #s	Discard #s	Retained #s	Discard #s
PROHIBITED SPECIES - Salmon						
CHUM SALMON (DOG)						
KING SALMON (CHINOOK)		55				177
SILVER SALMON (COHO)						
PROHIBITED SPECIES - - other	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
PACIFIC HALIBUT					0.000	0.001
NON-GROUNDFISH SPECIES						
JELLYFISH - UNIDENT.	0.001	0.164			0.000	0.067
ASCIDIAN, SEA SQUIRT, TUNICATE						
CHUB MACKEREL (PACIFIC)					0.031	0.379
JACK MACKEREL	0.037	0.000			0.047	0.150
RAGFISH	0.000	0.062	0.000	0.106		
OPAH					0.000	0.018
HUMBOLDT SQUID					0.000	0.004
RIBBONFISH - UNIDENT.					0.000	0.028
AMERICAN SHAD	0.031	0.000			0.010	0.091
KING-OF-THE-SALMON	0.053	0.002			0.000	0.090
PACIFIC SARDINE					0.006	0.006
LANTERNFISH - UNIDENT.	0.000	0.002				
DUCKBILL BARRACUDINA	0.000	0.009			0.000	0.009
BARRACUDINA - UNIDENT.						
PACIFIC POMFRET						
MEDUSAFISH	0.000	0.004				
TUBESHOULDER - UNIDENT	0.000	0.002				
OCEAN SUNFISH	0.006	0.000			0.000	0.009
NORTHERN FULMAR	0.000	0.006				
DECOMP,ETC)						
MISC - UNIDENT.					0.000	0.001
INVERTEBRATE - UNIDENT.					0.000	0.011

Table 2c (part 1)

SpeciesName	MISS BERDIE		MUIR MILACH		PACIFIC CHALLENGER	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUND FISH						
PACIFIC HAKE	1747.143	5.302	3522.074	3.294	2180.334	0.000
PACIFIC COD	0.000	0.003				
SABLEFISH (BLACK COD)	0.000	0.102	0.001	0.002		
LINGCOD			0.007	0.000		
FLATFISH						
FLATFISH - UNIDENT.						
REX SOLE	0.000	0.027				
DOVER SOLE	0.000	0.001				
SLENDER SOLE (TURBOT)	0.000	0.274	0.186	0.000	0.007	0.002
ROCKFISH						
PACIFIC OCEAN PERCH	0.424	0.075	0.016	0.000	0.002	0.000
WIDOW ROCKFISH	0.213	0.083	3.356	0.039	0.676	0.072
DARK BLOTCHED ROCKFISH	0.017	0.012	0.013	0.003	0.091	0.000
CANARY ROCKFISH	0.000	0.023	0.006	0.000		
BOCACCIO			0.012	0.000		
SHARPCHIN ROCKFISH			0.001	0.000		
ROUGHEYE ROCKFISH	1.384	0.368	1.147	0.000	0.000	0.012
RED BANDED ROCKFISH						
SILVERGRAY ROCKFISH			0.006	0.000		
SPLITNOSE ROCKFISH	0.000	0.037	0.102	0.002	0.001	0.000
SHORTBELLY ROCKFISH			0.021	0.001	0.011	0.000
BLACKGILL ROCKFISH			0.003	0.000		
YELLOWMOUTH ROCKFISH			0.006	0.000		
YELLOWTAIL ROCKFISH	1.320	0.840	0.158	0.001		
REDSTRIPE ROCKFISH			0.004	0.000		
CHILIPEPPER ROCKFISH			0.003	0.000		
SHORTRAKER ROCKFISH						
AURORA ROCKFISH						
BANK ROCKFISH						
SHORTSPINE THORNYHEAD (IDIOT)	0.000	0.108	0.003	0.000		
REMAINING GROUND FISH SPECIES						
SQUID - UNIDENT.	0.100	0.913	2.188	0.944	0.007	1.742
OCTOPUS - UNIDENT.			0.004	0.000		
PACIFIC SLEEPER SHARK						
SOUPFIN SHARK						
SPINY DOGFISH SHARK	0.019	2.012	2.585	0.280	0.000	0.655
SALMON SHARK						
BROWN CAT SHARK	0.000	0.823	0.076	0.013	0.000	0.005
BLUE SHARK						
LAMPREY - UNIDENT.			0.000	0.001		
RATTAIL (GRENADIER) -UNIDENT.	0.000	0.002				
PACIFIC ELECTRIC RAY						
BIG SKATE						
LONGNOSE SKATE						

Table 2c (part 2)

SpeciesName	MISS BERDIE		MUIR MILACH		Pacific Challenger	
	Retained #s	Discard #s	Retained #s	Discard #s	Retained #s	Discard #s
PROHIBITED SPECIES - Salmon						
CHUM SALMON (DOG)						
KING SALMON (CHINOOK)				177		134
SILVER SALMON (COHO)						
PROHIBITED SPECIES - - other	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
PACIFIC HALIBUT	0.000	0.037	0.000	0.010		
NON-GROUNDFISH SPECIES						
JELLYFISH - UNIDENT.	0.000	0.018	0.002	0.030	0.000	0.014
ASCIDIAN, SEA SQUIRT, TUNICATE			0.000	0.002		
CHUB MACKEREL (PACIFIC)						
JACK MACKEREL	0.000	0.151	0.033	0.000	0.075	0.007
RAGFISH						
OPAH						
HUMBOLDT SQUID						
RIBBONFISH - UNIDENT.					0.018	0.000
AMERICAN SHAD	0.000	0.019	0.009	0.000	0.003	0.000
KING-OF-THE-SALMON	0.000	0.053	0.097	0.000	0.000	0.020
PACIFIC SARDINE	0.000	0.001				
LANTERNFISH - UNIDENT.						
DUCKBILL BARRACUDINA	0.000	0.005				
BARRACUDINA - UNIDENT.	0.000	0.002				
PACIFIC POMFRET	0.000	0.006				
MEDUSAFISH					0.000	0.001
TUBESHOLDER - UNIDENT						
OCEAN SUNFISH	0.000	0.018	0.015	0.000	0.000	0.007
NORTHERN FULMAR						
FISH WASTE (HEADS, DECOMP,ETC)			0.002	0.000		
MISC - UNIDENT.			0.000	0.006		
INVERTEBRATE - UNIDENT.					0.000	0.007

Table 2d (part 1)

SpeciesName	PACIFIC PRINCE		PEGASUS		PERSEVERANCE	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUND FISH						
PACIFIC HAKE	4239.229	0.000	2679.568	3.497	1169.873	0.000
PACIFIC COD						
SABLEFISH (BLACK COD)	0.058	0.000	0.118	0.386		
LINGCOD					0.027	0.010
FLATFISH						
FLATFISH - UNIDENT.						
REX SOLE	0.074	0.000	0.000	0.002		
DOVER SOLE						
SLENDER SOLE (TURBOT)	0.016 0.188	0.000 0.000				
	0.000	0.071	0.165	0.000		
ROCKFISH						
PACIFIC OCEAN PERCH	0.117	0.000			0.000	0.019
WIDOW ROCKFISH	2.749	0.000	0.473	1.004	0.000	0.258
DARK BLOTCHED ROCKFISH	0.058	0.000	0.000	0.051	0.000	0.073
CANARY ROCKFISH	0.003	0.000	0.000	0.005	0.000	0.016
BOCACCIO			0.000	0.015		
SHARPCHIN ROCKFISH						
ROUGHEYE ROCKFISH	0.408	0.000	0.240	0.097	0.000	0.088
RED BANDED ROCKFISH						
SILVERGRAY ROCKFISH	0.003	0.000			0.000	0.005
SPLITNOSE ROCKFISH	7.700	0.000	0.000	0.142	0.000	0.002
SHORBELLY ROCKFISH	0.017	0.000	0.004	0.016		
BLACKGILL ROCKFISH						
YELLOWMOUTH ROCKFISH	0.003	0.000				
YELLOWTAIL ROCKFISH	0.259	0.000	0.040	0.053	0.000	1.009
REDSTRIPE ROCKFISH	0.005	0.000	0.000	0.002		
CHILIPEPPER ROCKFISH					0.000	0.001
SHORTRAKER ROCKFISH						
AURORA ROCKFISH						
BANK ROCKFISH						
SHORTSPINE THORNYHEAD (IDIOT)	0.017	0.000	0.000	0.027		
REMAINING GROUND FISH SPECIES						
SQUID - UNIDENT.	3.115	1.230	0.060	2.750	0.035	0.023
OCTOPUS - UNIDENT.						
PACIFIC SLEEPER SHARK						
SOUPFIN SHARK						
SPINY DOGFISH SHARK	3.226	0.003	0.000	3.174	0.000	0.327
SALMON SHARK						
BROWN CAT SHARK	0.254	0.000	0.000	0.116		
BLUE SHARK						
LAMPREY - UNIDENT.	0.000	0.002	0.000	0.001	0.006	0.000
RATTAIL (GRENADIER) -UNIDENT.						
PACIFIC ELECTRIC RAY						
BIG SKATE					0.000	0.007
LONGNOSE SKATE						

Table 2d (part 2)

SpeciesName	PACIFIC PRINCE		PEGASUS		PERSEVERANCE	
	Retained #s	Discard #s	Retained #s	Discard #s	Retained #s	Discard #s
PROHIBITED SPECIES - Salmon						
CHUM SALMON (DOG)						
KING SALMON (CHINOOK)		626		150		14
SILVER SALMON (COHO)						
PROHIBITED SPECIES - - other	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
PACIFIC HALIBUT	0.000	0.012	0.000	0.013		
NON-GROUNDFISH SPECIES						
JELLYFISH - UNIDENT.	0.001	0.058	0.000	0.019		
ASCIDIAN, SEA SQUIRT, TUNICATE						
CHUB MACKEREL (PACIFIC)	0.006	0.000	0.000	0.236		
JACK MACKEREL	0.449	0.000	0.012	0.154		
RAGFISH	0.296	0.000	0.000	0.062		
OPAH						
HUMBOLDT SQUID						
RIBBONFISH - UNIDENT.						
AMERICAN SHAD	0.001	0.000	0.000	0.032	0.005	0.000
KING-OF-THE-SALMON	0.165	0.000				
PACIFIC SARDINE						
LANTERNFISH - UNIDENT.						
DUCKBILL BARRACUDINA	0.011	0.000	0.000	0.002		
BARRACUDINA - UNIDENT.						
PACIFIC POMFRET						
MEDUSAFISH						
TUBESHOULDER - UNIDENT						
OCEAN SUNFISH						
NORTHERN FULMAR			0.000	0.002		
DECOMP,ETC)						
MISC - UNIDENT.	0.000	0.003				
INVERTEBRATE - UNIDENT.			0.000	0.004		

Table 2e (part 1)

SpeciesName	SEA STORM		SEADAWN		SEEKER		WESTERN DAWN	
	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
ROUNDFISH								
PACIFIC HAKE	3354.202	9.859	1626.211	0.000	3172.614	15.569	1488.639	0.000
PACIFIC COD								
SABLEFISH (BLACK COD)	0.009	0.000			0.012	0.003		
LINGCOD			0.000	0.026	0.045	0.000	0.000	0.001
FLATFISH								
FLATFISH - UNIDENT.					0.004	0.000		
REX SOLE								
DOVER SOLE								
SLENDER SOLE (TURBOT)	0.011	0.004	0.070	0.004	0.128	0.000	0.000	0.006
ROCKFISH								
PACIFIC OCEAN PERCH	0.000	0.026	0.003	0.011				
WIDOW ROCKFISH	0.075	1.393	0.013	0.528	0.045	1.380	0.037	0.444
DARK BLOTCHED ROCKFISH	0.000	0.120	0.029	0.138	0.000	0.098	0.000	0.018
CANARY ROCKFISH	0.000	0.015	0.000	0.011	0.002	0.028		
BOCACCIO	0.000	0.011						
SHARPCHIN ROCKFISH								
ROUGHEYE ROCKFISH			0.558	0.023	0.000	0.002		
RED BANDED ROCKFISH								
SILVERGRAY ROCKFISH	0.000	0.002	0.000	0.011	0.000	0.012		
SPLITNOSE ROCKFISH	0.000	0.130	0.000	0.002	0.000	0.630		
SHORTBELLY ROCKFISH	0.000	0.022			0.000	0.011	0.007	0.041
BLACKGILL ROCKFISH								
YELLOWMOUTH ROCKFISH								
YELLOWTAIL ROCKFISH	0.000	0.407	0.023	0.163	0.016	1.739	0.000	0.005
REDSTRIPE ROCKFISH	0.000	0.004			0.000	0.007		
CHILIPEPPER ROCKFISH	0.000	0.002						
SHORTRAKER ROCKFISH								
AURORA ROCKFISH								
BANK ROCKFISH								
SHORTSPINE THORNYHEAD (IDIOT)								
REMAINING GROUND FISH SPECIES								
SQUID - UNIDENT.	2.389	0.420	0.149	0.000	0.857	0.218	0.075	1.237
OCTOPUS - UNIDENT.								
PACIFIC SLEEPER SHARK					0.000	0.045		
SOUPFIN SHARK					0.000	0.050		
SPINY DOGFISH SHARK	0.000	1.976	0.222	0.349	0.000	3.024	0.000	0.178
SALMON SHARK			0.000	0.634	0.000	0.507		
BROWN CAT SHARK	0.000	0.002			0.000	0.016		
BLUE SHARK								
LAMPREY - UNIDENT.	0.001	0.000	0.006	0.000	0.010	0.001		
RATTAIL (GRENADIER) -UNIDENT.								
PACIFIC ELECTRIC RAY								
BIG SKATE								
LONGNOSE SKATE	0.000	0.017						

Table 2e (part 2)

SpeciesName	SEA STORM		SEADAWN		SEEKER		WESTERN DAWN	
	Retained #s	Discard #s	Retained #s	Discard #s	Retained #s	Discard #s	Retained #s	Discard #s
PROHIBITED SPECIES - Salmon								
CHUM SALMON (DOG)								
KING SALMON (CHINOOK)		370		8		182		126
SILVER SALMON (COHO)				2				
PROHIBITED SPECIES - - other	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt	Retained mt	Discard mt
PACIFIC HALIBUT								
NON-GROUNDFISH SPECIES								
JELLYFISH - UNIDENT.	0.000	0.024	0.002	0.000	0.000	0.019	0.000	0.003
ASCIDIAN, SEA SQUIRT, TUNICATE	0.000	0.008			0.000	0.001		
CHUB MACKEREL (PACIFIC)	0.000	0.012			0.000	0.005		
JACK MACKEREL	0.000	4.832			0.000	2.191	0.000	0.142
RAGFISH					0.000	0.058		
OPAH					0.000	0.039		
HUMBOLDT SQUID								
RIBBONFISH - UNIDENT.								
AMERICAN SHAD	0.000	0.165	0.026	0.000	0.000	0.090	0.000	0.085
KING-OF-THE-SALMON	0.000	0.075			0.000	0.013		
PACIFIC SARDINE					0.001	0.000		
LANTERNFISH - UNIDENT.								
DUCKBILL BARRACUDINA					0.000	0.004		
BARRACUDINA - UNIDENT.								
PACIFIC POMFRET								
MEDUSAFISH								
TUBESHOULDER - UNIDENT								
OCEAN SUNFISH							0.000	0.028
NORTHERN FULMAR								
FISH WASTE (HEADS, DECOMP.)								
MISC - UNIDENT.							0.000	0.004
INVERTEBRATE - UNIDENT.							0.000	0.005



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November 29, 2012

Catch and bycatch totals

	Whiting	Canary	Widow	Dark blotched	POP	Chinook
Totals year to date	38,476	0.15	37.23	1.25	1.36	2294
Rate year to date		0.004	0.968	0.033	0.035	0.060
2012 Allocation for Motherships	39,235	3.60	61.20	6.00	7.20	1,923
Percentage Taken	98.1%	4.1%	60.8%	20.9%	18.8%	119.3%

	Whiting	Canary	Widow	Dark blotched	POP	Chinook
1st seasonal pool total catch	11,940	0.06	7.05	0.65	0.50	329
1st pool allocation	12,741	1.17	19.87	1.95	2.34	624
Percentage Taken	93.7%	5.3%	35.5%	33.2%	21.4%	52.7%

2nd seasonal pool total catch	11,547	0.06	8.45	0.27	0.70	455
2nd pool allocation	13,237	1.22	20.65	2.02	2.43	649
Percentage Taken	87.2%	5.2%	40.9%	13.5%	28.7%	70.0%

3rd seasonal pool total catch	14,989	0.02	21.73	0.33	0.16	1,511
3rd pool allocation	13,256	1.22	20.68	2.03	2.43	650
Percentage Taken	113.1%	1.9%	105.1%	16.5%	6.6%	232.4%

Sum of Total catch from pools 1 & 3	26,929	0.08	28.78	0.98	0.66	1,840
Sum of allocation of pools 1 & 3	25,997	2.39	40.55	3.98	4.77	1,274
Percentage Taken	103.6%	3.6%	71.0%	24.6%	13.8%	144.4%

Catch by vessel and pool

Pool	Harvesting vessel	Whiting (ytd)	Canary (ytd)	Widow (ytd)	Dark blotched (ytd)	POP (ytd)	Chinook (ytd)
1	BAY ISLANDER	1,019	0.00	0.31	0.17	0.02	17
1	LISA MELINDA	2,369	0.00	1.64	0.03	0.35	55
1	MARATHON	990	0.00	0.24	0.09	0.03	0
1	MUIR MILACH	2,547	0.01	3.34	0.01	0.02	125
1	PERSEVERANCE	1,170	0.02	0.26	0.07	0.02	14
1	SEA STORM	824	0.00	0.36	0.04	0.03	103
1	SEADAWN	1,626	0.01	0.54	0.17	0.01	8
1	SEEKER	1,394	0.02	0.35	0.05	0.02	7
2	ARCTIC FURY	3,128	0.02	1.37	0.16	0.13	128
2	MARK I	3,983	0.02	5.31	0.03	0.06	177
2	MISS BERDIE	1,752	0.02	0.30	0.03	0.50	0
2	PEGASUS	2,683	0.01	1.48	0.05	0.00	150
3	BAY ISLANDER	999	0.00	0.08	0.03	0.00	99
3	BLUE FOX	773	0.00	15.44	0.01	0.02	32
3	MUIR MILACH	977	0.00	0.05	0.00	0.00	52
3	PACIFIC CHALLENGER	2,180	0.00	0.75	0.09	0.00	134
3	PACIFIC PRINCE	4,239	0.00	2.75	0.06	0.12	626
3	SEA STORM	2,538	0.01	1.10	0.08	0.00	267
3	SEEKER	1,794	0.01	1.08	0.04	0.01	175
3	WESTERN DAWN	1,489	0.00	0.48	0.02	0.00	126