

Halibut IBQ Summary Sheet

Area of Effort Distribution - Pounds of Target Species Catch By Area From Logbook Data 2003-06 [Step 4]

Year	Area	Species		
		<u>ATF</u>	<u>PS</u>	
2003	N of 47.30'	Shoreward	325	200
		Seaward	450	280
	40.10' to 47.30'	Shoreward	50	390
		Seaward	0	0
2004	N of 47.30'	Shoreward	200	325
		Seaward	250	310
	40.10' to 47.30'	Shoreward	220	300
		Seaward	0	0
2005	N of 47.30'	Shoreward	120	105
		Seaward	130	125
	40.10' to 47.30'	Shoreward	110	120
		Seaward	0	0
2006	N of 47.30'	Shoreward	0	0
		Seaward	0	0
	40.10' to 47.30'	Shoreward	0	0
		Seaward	0	0

Permit Arrowtooth and Petrale Sole Catch per Area in Aggregate and Calculated Area Ratios (Total Catch Per Area / Sum of All Catch in All Areas)

Arrowtooth		<u>Lbs.</u>	<u>Ratio</u>	
	N of 47.30'	Shoreward	645	0.3477089
		Seaward	830	0.4474394
	40.10' to 47.30'	Shoreward	380	0.2048518
		Seaward	0	0
Note: Sum of all ratios equals 1		1855	1	

Petrale		<u>Lbs.</u>	<u>Ratio</u>	
	N of 47.30'	Shoreward	630	0.29
		Seaward	715	0.33
	40.10' to 47.30'	Shoreward	810	0.38
		Seaward	0	0
		2155	1	

Estimated 2011 Target Species QP = Permit QS * Projected 2011 Trawl Harvest Specification (disclaimer: subject to change pending final specs)

Step 6 find the trawl Harvest Guidelines for Arrowtooth and for Petrale

Assume Arrowtooth HG

4000 Assume Petrale Sole HG

16000

Step 7 Find the Permits QS allocations for the two target species

Assume Permit QS Arrowtooth 1.20000000% Permit QS Petrale 0.00800000%

Step 8 Calculate catch weight of each target species that is associated with each permits QS

Step 7 x Step 6	Arrowtooth	1.20000000%	4000.00000000	48
	Petrals Sole	0.00800000%	16000.00000000	1.28

Step 9 Distribute the QS-based catch weight for each target species from step 8 to the four bycatch areas using logbook based percents

Permit Totals		ATF	PS	
Total estimated 2011 QP		48	1.28	
Area Distribution of QP (QP * Area Ratios)	N of 47.40'	Shoreward	16.690027	0.3741995
		Seaward	21.477089	0.4246868
	43.55' to 47.40'	Shoreward	9.8328841	0
		Seaward	0	0

Step 2 obtain and adjust West Coast Observer Bycatch Rates

Note that west coast observer ratios are the same for each species

West Coast Observer Bycatch Rates

		ATF	PS
N of 47.40'	Shoreward	<u>0.117</u>	<u>0.117</u>
	Seaward	<u>0.061</u>	<u>0.061</u>
43.55' to 47.40'	Shoreward	<u>0.07</u>	<u>0.07</u>
	Seaward	<u>0.03</u>	<u>0.03</u>

Adjust the Bycatch Rates to dressed weights--conversion factor is????

		ATF	PS
N of 47.40'	Shoreward	<u>0.06457</u>	<u>0.06457</u>
	Seaward	<u>0.0336647</u>	<u>0.0336647</u>
43.55' to 47.40'	Shoreward	<u>0.038632</u>	<u>0.038632</u>
	Seaward	<u>0.0165564</u>	<u>0.0165564</u>

Adjust the dressed weight bycatch rates to reflect bycatch mortality of less than 100 percent

Assume 80 percent dead

		<u>ATF</u>	<u>PS</u>
N of 47.40'	Shoreward	<u>0.051656</u>	<u>0.051656</u>
	Seaward	<u>0.0269318</u>	<u>0.0269318</u>
43.55' to 47.40'	Shoreward	<u>0.0309056</u>	<u>0.0309056</u>
	Seaward	<u>0.0132451</u>	<u>0.0132451</u>

Step 11 Multiply catch weights of step 9 by adjusted bycatch rate of step 10 to get halibut needs by target species

Step 9 Catch Weights

Step 11 Results

Halibut amounts by target species

		<u>ATF</u>	<u>PS</u>
N of 47.40'	Shoreward	<u>16.690027</u>	<u>0.3741995</u>
	Seaward	<u>21.477089</u>	<u>0.4246868</u>
43.55' to 47.40'	Shoreward	<u>9.8328841</u>	<u>0</u>
	Seaward	<u>0</u>	<u>0</u>

		<u>ATF</u>	<u>PS</u>
N of 47.40'	Shoreward	<u>0.86214</u>	<u>0.019329651</u>
	Seaward	<u>0.5784158</u>	<u>0.011437562</u>
43.55' to 47.40'	Shoreward	<u>0.3038912</u>	<u>0</u>
	Seaward	<u>0</u>	<u>0</u>

Step 12 Sum the Halibut amounts to get total halibut catch

<u>Halibut amounts by target species</u>				
		<u>ATF</u>	<u>PS</u>	Total
N of 47.40'	Shoreward	<u>0.86214</u>	0.019329651	0.881469684
	Seaward	0.5784158	0.011437562	0.589853367
43.55' to 47.40'	Shoreward	0.3038912	0	0.303891183
	Seaward	0	0	0
Total Catch		1.744447	0.030767214	1.775214234

Step 13 Sum for all permits
Assume that when we sum for all permits we get

3750.6667 lbs

Step 14 Calculate the permit shares

Total Catch permit x

1.775214234

Total Catch all permits

y

3750.6667

Permit share=

x/y

0.04733063%

QED

4/23/10

OMB Control No. XXXX-XXXX, Expires on: XX/XX/XXXX

**QUOTA SHARE GROUP 1
SPECIES CATCH HISTORY
SUMMARY
PACIFIC COAST GROUND FISH**

UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Marine Fisheries Service, Northwest Region
Fisheries Permits Office
7600 Sand Point Way NE, Bldg. 1
Seattle, WA 98115-0070



Phone (206) 526-4353 Fax (206) 526-4461 www.nwr.noaa.gov

Date Generated: **XX/XX/XXXX**

Group 1 Species Category: _____

Permit Owner/First Receiver Name: _____

Limited Entry Permit Number: GF0XX

Estimated QS Initial Issuance (given as %)*: _____ [calculation: Total relative history divided by sum of total relative histories multiplied by amount of permit history quota history]

Year	Preliminary Permit Landing History Amount (lbs)(1)	Total Shoreside Sector Landed Amount (lbs) (2)	Permit Relative History (%) (3)	Total Relative History (%) (4)	Permit History Amount Due to Combination (lbs)(5)	Vessel Registered to Permit during year (6)
1994						
1995						
1996						
1997						
1998						
1999						
2000						
2001						
2002						
2003						
Total						

(The lowest relative history amounts are denoted with an asterisk)
Equal Division of Buyback Landing History (lbs): _____

NOTE: This dataset was extracted from the PacFIN data base. This data is preliminary and is the best available at this time. This data is subject to change following review by NMFS of applications from all eligible persons. FOR WHITING SHOREBASED FIRST RECEIVER APPLICANT – will receive one summary sheet for whiting and will not include Buyback column or combined permit column

SEE FOOTNOTES ON REVERSE SIDE

- (1) – This column presents the total permit landing history amount by qualifying year inclusive of the buyback landing history and combined permit history.
- (2) – This column presents the total landing amount for all qualifying permits.
- (3) – This column provides permit relative history as percentage. Does not include lowest 3 years but include equal division of buyback landing history.
- (4) – This column provides the amount of catch history attributed to the applicant permit resulting from permits that were combined for purposes of increasing the applicant permit size endorsement
- (5) – This column provides the vessel numbers for any vessels registered during the given year.

Note:

S of 40.10'	Shoreward	0	0	0								
	Seaward	0	0	0								

Permit Total Target Species Catch per Area in Aggregate and Calculated Area Ratios (Total Catch Per Area / Sum of All Catch in All Areas)

[Steps (v), (vi) and (vii). Note: Follow Step (viii) for permits without 2003-2006 logbook data]

			<u>Lbs.</u>	<u>Ratio</u>
N of 47.40'	Shoreward		1815	0.3398876
	Seaward		1980	0.3707865
43.55' to 47.40'	Shoreward		1545	0.2893258
	Seaward		0	0
40.10' to 43.55'	Shoreward		0	0
	Seaward		0	0
S of 40.10'	Shoreward		0	0
	Seaward		0	0
Note: Sum of all ratios equals 1				1

Sum of catch by area in "Lbs." column (Step (v));

Sum all catch coastwide in formula denominator in "Ratio" column (Step (vi));

Calculation to obtain ratio (Step (vii)).

Estimated 2011 Target Species QP = Permit QS * Projected 2011 Trawl Harvest Specification (disclaimer: subject to change pending final specs)

[Steps (ix), (x) and (xi)]

Permit Totals			<u>ATF</u>	<u>SF</u>	<u>DF</u>	<u>DS</u>	<u>ES</u>	<u>PS</u>	<u>MSR</u>	<u>St</u>	<u>LT</u>	<u>SF</u>	<u>PC</u>
Total estimated 2011 QP			48652	39824	25478	780	2598						
Area Distribution of QP (QP * Area Ratios)	N of 47.40'	Shoreward	16536.213	13535.685	8659.657303	265.11236	883.02809	0	0	0	0	0	0
		Seaward	18039.506	14766.202	9446.898876	289.21348	963.30337	0	0	0	0	0	0
	43.55' to 47.40'	Shoreward	14076.281	11522.112	7371.44382	225.67416	751.66854	0	0	0	0	0	0
		Seaward	0	0	0	0	0	0	0	0	0	0	0
	40.10' to 43.55'	Shoreward	0	0	0	0	0	0	0	0	0	0	0
		Seaward	0	0	0	0	0	0	0	0	0	0	0
	S of 40.10'	Shoreward	0	0	0	0	0	0	0	0	0	0	0
		Seaward	0	0	0	0	0	0	0	0	0	0	0

Estimated 2011 Target Species Per Area in Aggregate [Steps (xii) and (xiii)]

		<u>Lbs.</u>
N of 47.40'	Shoreward	39879.697
	Seaward	43505.124
43.55' to 47.40'	Shoreward	33947.18
	Seaward	0
40.10' to	Shoreward	0

	43.55'	Seaward	0
	S of 40.10'	Shoreward	0
		Seaward	0

Bycatch Rates By Area from West Coast Observer Observer Program Data, 2003-06 [Step(xiv)]

ESTIMATED			<u>Bocaccio</u>	<u>Cowcod</u>	<u>Darkblotched</u>	<u>P.O.P.</u>	<u>Widow</u>	<u>Yelloweye</u>	<u>Canary</u>
N of 47.40'	Shoreward	--	--	--	0.00122003	0.00088011	0.00001142	0.00017625	0.00613838
	Seaward	--	--	--	0.00860467	0.01766360	0.00005472	0.00000160	0.00001714
43.55' to 47.40'	Shoreward	--	--	--	0.00185020	0.00015827	0.00033788	0.00004802	0.00186217
	Seaward	--	--	--	0.01836550	0.01529318	0.00049695	0.00000893	0.00006486
40.10' to 43.55'	Shoreward	--	--	--	0.00253201	0.00014424	0.00015165	0.00005309	0.00485013
	Seaward	--	--	--	0.01476165	0.00114965	0.00000766	0.00000556	0.00001435
S of 40.10'	Shoreward	0.01114773	0.0008889	0.00000255	--	0.00003513	0.00007739	0.00050248	
	Seaward	0.00120015	0.00001074	0.00480063	0.00021813	0.00009855	--	0.00000245	

Projected 2011 Group 2 and Group 3 Species Amounts in Pounds for Permit [Step (xv) and (xvi), paragraph 4 for canary]

			<u>Bocaccio</u>	<u>Cowcod</u>	<u>Darkblotched</u>	<u>P.O.P.</u>	<u>Widow</u>	<u>Yelloweye</u>	<u>Canary</u>
N of 47.40'	Shoreward	--	--	--	48.6544	35.0984	0.4554	7.0288	244.7966
	Seaward	--	--	--	374.3472	768.4569	2.3807	0.0698	0.7455
43.55' to 47.40'	Shoreward	--	--	--	62.8091	5.3730	11.4700	1.6301	63.2155
	Seaward	--	--	--	0.0000	0.0000	0.0000	0.0000	0.0000
40.10' to 43.55'	Shoreward	--	--	--	0.0000	0.0000	0.0000	0.0000	0.0000
	Seaward	--	--	--	0.0000	0.0000	0.0000	0.0000	0.0000
S of 40.10'	Shoreward	0.00000000	0.00000000	0.0000	--	0.0000	0.0000	0.0000	
	Seaward	0.00000000	0.00000000	0.0000	0.0000	0.0000	0.0000	--	0.0000
Totals [Step (xvi)]			0.0000	0.0000	485.8107	808.9282	14.3060	8.7286	308.7576

Compute QS for Group 2 Species (and non-buyback portion of canary) by calculation:

Group 2 QS = Total Projected 2011 Group 2 Species Pounds for Permit / Sum of All Projected 2011 Group 2 Species Pounds for All Permits in Pool