GROUNDFISH MANAGEMENT TEAM REPORT ON FISHERY SPECIFIC MANAGEMENT MEASURES FOR 2011-2012 FISHERIES

Updated Model Runs Given the Correction to the Sablefish ACL

The error in the calculation of the 40-10 adjustment to the Council's sablefish PPA changes the bycatch projected impacts for the non-nearshore fixed gear and non-whiting trawl sectors. We update those projections here. We also note that these projections will differ if the Council alters its decision from the PPA by, for example, altering the option for apportioning biomass to the northern and southern areas. However, such a change would fall within the range of bycatch impacts bracketed by these updates and the previous projections provided in Agenda Item B.3.b Attachment 1.

Non-Nearshore Fixed Gear – Open Access and Limited Entry

Table 1. Updated non-nearshore bycatch projections. References to revised tables refer to Agenda Item B.3.a, Attachment 1.

Revised non-nearshore bycatch tables for Alternatives 1 and 2 (Revising Tables 4-21, 4-22, 4-27, 4-28)

Option 1: With status quo RCA boundaries: Columbia-Eureak to Cascade Head at 125 fm

	2011			2012		
	LE	OA	Total	LE	OA	Total
Bocaccio	0.0	0.0	0.0	0.0	0.0	0.0
Canary rockfish	2.1	0.3	2.4	2.1	2.1	4.1
Darkblotched rockfish	3.8	0.8	4.6	4.3	4.3	8.6
Pacific ocean perch	0.3	0.1	0.4	0.3	0.3	0.7
Widow rockfish	0.0	0.0	0.1	0.1	0.1	0.1
Yelloweye rockfish	0.7	0.1	0.8	0.7	0.7	1.4

Option 2: With RCA boundaries N. of 40° 10' N. Latitude at 100 fm

	2011			2012		
	LE	OA	Total	LE	OA	Total
Bocaccio	0.0	0.0	0.0	0.0	0.0	0.0
Canary rockfish	1.9	0.3	2.2	1.8	0.3	2.1
Darkblotched rockfish	3.5	0.8	4.3	3.4	0.8	4.2
Pacific ocean perch	0.3	0.1	0.4	0.3	0.1	0.4
Widow rockfish	0.1	0.0	0.1	0.1	0.0	0.1
Yelloweye rockfish	0.8	0.1	0.9	0.7	0.1	0.8

Revised non-nearshore bycatch tables for Alternatives 3 (Revising Tables 4-46, 4-48, 4-50, 4-51, 4-53)

Option 1: With RCA N. of Pt. Chehalis > 150 fm

	2011			2012		
	LE	OA	Total	LE	OA	Total
Bocaccio	0.0	0.0	0.0	0.0	0.0	0.0
Canary rockfish	0.6	0.1	0.7	0.6	0.1	0.7
Darkblotched rockfish	4.0	0.8	4.8	3.7	0.8	4.6
Pacific ocean perch	0.2	0.0	0.3	0.2	0.0	0.3
Widow rockfish	0.1	0.0	0.1	0.1	0.0	0.1
Yelloweye rockfish	0.5	0.1	0.6	0.5	0.1	0.6

Option 2: With proportional reduction to sablefish harvest

	2011			2012		
	LE	OA	Total	LE	OA	Total
Bocaccio	0.0	0.0	0.0	0.0	0.0	0.0
Canary rockfish	0.8	0.1	0.9	0.9	0.2	1.0
Darkblotched rockfish	2.3	0.5	2.8	2.6	0.6	3.2
Pacific ocean perch	0.2	0.0	0.2	0.2	0.2	0.4
Widow rockfish	0.0	0.0	0.0	0.0	0.0	0.0
Yelloweye rockfish	0.3	0.0	0.3	0.3	0.1	0.4

Non-Whiting Trawl Fishery

Table 2. Non-whiting LE Trawl target species' trip limits and ACL attainment under the High-ACL scenario for 2011. Revises Tables 4-15, 16, and 17 on pages 19, 20 and 21 of Agenda Item B.3.a Attachment 1.

			2-month cumulative-poundage limits							
2-month	RCA lines (fm)		sable-	long-	short-	Dover	petrale	arrow-	other	slope
period	shallow	deep	fish	spine	spine	sole	sole	tooth	flatfish	rockfish
N. of 40°10' N lat.										
Large/small footrope limits										
1	*75*	250	16,000	20,000	18,000	120,000	6,000	150,000	110,000	6,000
2	*75*	200	16,000	20,000	18,000	120,000	6,000	150,000	110,000	6,000
3	*75*	200	16,000	20,000	18,000	120,000	5,000	150,000	110,000	6,000
4	*100*	200	16,000	20,000	18,000	120,000	5,000	150,000	110,000	6,000
5	*75*	200	16,000	20,000	18,000	120,000	5,000	150,000	110,000	6,000
6	*75*	250	16,000	20,000	18,000	120,000	6,000	150,000	110,000	6,000
Selective gear limits										
1	75	*250*	8,000	5,000	5,000	65,000	5,000	90,000	60,000	
2	75	*200*	8,000	5,000	5,000	65,000	5,000	90,000	60,000	
3	75	*200*	8,000	5,000	5,000	65,000	5,000	90,000	60,000	
4	100	*200*	8,000	5,000	5,000	65,000	5,000	90,000	60,000	
5	75	*200*	8,000	5,000	5,000	65,000	5,000	90,000	60,000	
6	75	*250*	8,000	5,000	5,000	65,000	5,000	90,000	60,000	
38° - 40°10' N lat.										
1	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	15,000
2	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	15,000
3	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	15,000
4	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	15,000
5	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	15,000
6	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	15,000
S. of 38° N lat.										
1	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	55,000
2	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	55,000
3	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	55,000
4	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	55,000
5	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	55,000
6	100	150	16,000	20,000	18,000	120,000	5,000	10,000	110,000	55,000

Table 3. Comparison of non-whiting LE trawl ACLs and projected trawl catches (mt) under the limits above, for major target and rebuilding species.

	ACL	LET	Proj.
Sablefish N of 36º N. lat.	5,515	2,588	2,569
Longspine N. of 34 27' N. lat.	2,119	1,971	1,337
Shortspine N. of 34 27' N. lat.	1,573	1,450	1,418
Dover sole	17,560	15,172	14,109
Arrowtooth flounder	15,174	12,441	4,675
Petrale sole	976	833	833
English sole	19,761	18,659	443
Other flatfish	4,884	4,213	854
Minor Slope Rockfish North	1,160	872	170
Minor Slope Rockfish South	626	377	234

	ACL	LET	Proj.
Canary rockfish	107	22.5	11.3
Pacific ocean Perch	180	129.0	45.0
Darkblotched rockfish	332	271.0	116.9
Widow rockfish	600	235.0	9.3
Yelloweye rockfish	20	0.7	0.2
Bocaccio	263	29.6	6.0
Cowcod	4	3.4	0.3

Evaluation of the Council's Preliminary Preferred Alternative for Overfished Species Two Year Allocations

Table 4, Table 5, and Table 6 evaluate the projected overfished species impacts from the model runs for each fishery sector and integrated alternative relative to the Council's preliminary preferred alternative for two year overfished species – bocaccio, canary, cowcod, and bocaccio. **The GMT requests guidance from the Council on whether to affirm or modify the preliminary preferred overfished species two year allocations.** Any further analysis that might be needed as a result of a modified allocation could be provided on Thursday, depending on the magnitude of the change.

Yelloweye rockfish sharing in the Open Access Directed Fisheries

During the April 2010 meeting, the Council chose a preliminary preferred sector specific catch sharing option for yelloweye rockfish. Included in that decision was the sharing percentages for the two components of the directed open access (OA) fishery – the nearshore fishery and the daily trip limit (DTL) fishery. The preliminary preferred sharing was 73% for the nearshore fishery and 27% for the DTL fishery (Table 2). This was not analyzed in the draft EIS. Historically, the catch sharing between these sectors has been 87.5% for the nearshore fishery and 12.5% for the DTL fishery. This second sharing (Table 3) was analyzed in the draft EIS. **The GMT would like Council clarification on their intended split.**

Table 2. 2011 and 2012 Sector Specific yelloweye rockfish catch sharing adopted as the preliminary preferred alternative. OA: Directed split between nearshore and DTL (73% nearshore:27% DTL), which was not analyzed in the draft EIS.

		2009-2010 SPEX EIS											
Alternative	***Status Quo***	**Alt. 1**		**Alt. 2**		**Alt. 3**		**Alt. 4**		**Alt. 5**		**Alt. 6**	
Year (mt)	*April 2010 (17 mt)*	2011 (0 mt)	2012 (0 mt)	2011 (9 mt)	2012 (9mt)	2011 (13 mt)	2011 (13 mt)	2011 (17 mt)	2012 (17 mt)	2011 (20 mt)	2012 (20 mt)	2011 (20 mt)	2012 (21 mt)
LE Trawl- Non-Whiting	*0.6*	0	0	0.1	0.1	0.4	0.4	0.6	0.6	0.7	0.7	0.7	0.8
LE Trawl- Whiting	*0.0*	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OA: Directed	*1.3*	0	0	0.2	0.2	0.6	0.6	1.0	1.0	1.3	1.3	1.3	1.4
Nearshore						**0.4**	**0.4**	**0.7**	**0.7**	**0.9**	**0.9**		
DTL						**0.2**	**0.2**	**0.3**	**0.3**	**0.4**	**0.4**		
LE Fixed Gear	*0.9*	0	0	0.3	0.3	0.8	0.8	1.3	1.3	1.7	1.7	1.7	1.8
Rec: WA	*2.7*	0	0	0.6	0.6	1.6	1.6	2.6	2.6	3.3	3.3	3.3	3.5
Rec: OR	*2.4*	0	0	0.6	0.6	1.5	1.5	2.4	2.4	3.0	3.0	3.0	3.3
Rec: CA	*2.8*	0	0	0.6	0.6	1.6	1.6	2.6	2.6	3.4	3.4	3.4	3.7

Table 3. 2011 and 2012 Sector Specific yelloweye rockfish catch sharing based on the historical split. OA: Directed split between nearshore and DTL (87.5% nearshore:12.5% DTL), which was analyzed in the draft EIS.

		2009-2010 SPEX EIS											
Alternative	***Status Quo***	**Alt. 1**		**Alt. 2**		**Alt. 3**		**Alt. 4**		**Alt. 5**		**Alt. 6**	
Year (mt)	*April 2010 (17 mt)*	2011 (0 mt)	2012 (0 mt)	2011 (9 mt)	2012 (9mt)	2011 (13 mt)	2011 (13 mt)	2011 (17 mt)	2012 (17 mt)	2011 (20 mt)	2012 (20 mt)	2011 (20 mt)	2012 (21 mt)
LE Trawl- Non-Whiting	*0.6*	0	0	0.1	0.1	0.4	0.4	0.6	0.6	0.7	0.7	0.7	0.8
LE Trawl- Whiting	*0.0*	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OA: Directed	*1.3*	0	0	0.2	0.2	0.6	0.6	1.0	1.0	1.3	1.3	1.3	1.4
Nearshore						**0.5**	**0.5**	**0.9**	**0.9**	**1.1**	**1.1**		
DTL						**0.1**	**0.1**	**0.1**	**0.1**	**0.2**	**0.2**		
LE Fixed Gear	*0.9*	0	0	0.3	0.3	0.8	0.8	1.3	1.3	1.7	1.7	1.7	1.8
Rec: WA	*2.7*	0	0	0.6	0.6	1.6	1.6	2.6	2.6	3.3	3.3	3.3	3.5
Rec: OR	*2.4*	0	0	0.6	0.6	1.5	1.5	2.4	2.4	3.0	3.0	3.0	3.3
Rec: CA	*2.8*	0	0	0.6	0.6	1.6	1.6	2.6	2.6	3.4	3.4	3.4	3.7

<u>Limited entry and Fixed Gear Sablefish South of 36° N. latitude</u>

Sablefish south of 36° N lat has not been formally allocated to the limited entry and open access fisheries under Amendment 6 (unlike north of 36° N lat.). Generally speaking, limited entry sectors have higher trip limits than open access sectors. For sablefish in the Conception Area, the weekly trip limits in the limited entry and open access sectors have been set at similar levels. In 2009-10, the sablefish OY in the Conception Area increased significantly, which led to an increased volume of inseason requests for higher trip limits. **The GMT requests Council guidance on whether or not it would like the limited entry sector to have greater access than open access (i.e, differential trip limits for the sector).** This would facilitate future inseason requests for trip limit modifications.

GMT Recommendations

1. The GMT would like Council clarification on their intended split of yelloweye rockfish sharing in the open access directed fisheries.
2. The GMT requests guidance from the Council on whether to affirm or modify the preliminary preferred overfished species two year allocations.
3. The GMT requests Council guidance on whether or not it would like the limited entry sector to have greater access than open access (i.e, differential trip limits for the sector).

Table 4. Projected impacts, harvest guideline, percentage of harvest guideline represented by projected impacts and residual yield between the projected impacts and the harvest guideline for each sector under the preliminary preferred overfished species ACL alternative.

	Yelloweye				Canary				Bocaccio				Cowcod			
Sector	Impacts	HG	% HG	Residual	Impacts	HG	% HG	Residual	Impacts	HG	% HG	Residual	Impacts	HG	% HG	Residual
Limited Entry Non-Whiting Trawl	0.2	0.7	28.6%	0.5	11.1	21.3	52.1%	10.2	5.2	29.6	17.6%	24.4	0.3	1.9	16%	1.6
Limited Entry Fixed Gear	0.7	1.7	41.2%	1.0	1.7	2.5	80.0%	0.5	0.0	32.2	0.0%	32.2	NA	NA	NA	NA
Sablefish Open Access DTL	0.1	0.4	25.0%	0.3	0.3				0.0	26.0	1.2%	25.7	NA	NA	NA	NA
Nearshore Fixed Gear	0.9	0.9	100.0%	0.0	2.3	3.6	63.9%	1.3	0.3				NA	NA	NA	NA
Washington Recreational	2.5	3.3	75.8%	0.8	0.7	4.9	14.3%	4.2	NA	NA	NA	NA	NA	NA	NA	NA
Oregon Recreational	2.8	3.0	93.3%	0.2	3.1	16.0	19.4%	12.9	NA	NA	NA	NA	NA	NA	NA	NA
California Recreational	3.1	3.4	91.2%	0.3	9.1	22.9	39.7%	13.8	55.0	161.8	34.0%	106.8	0.2	1.9	11%	1.7
Limited Entry Whiting Trawl																
Catcher Processor	NA	NA	NA	NA	1.9	4.8	39.6%	2.9	NA	NA	NA	NA	NA	NA	NA	NA
Trawl Mothership	NA	NA	NA	NA	1.4	3.4	41.2%	2.0	NA	NA	NA	NA	NA	NA	NA	NA
Trawl Shoreside	NA	NA	NA	NA	2.4	5.9	40.7%	3.5	NA	NA	NA	NA	NA	NA	NA	NA
Total Residual				3.1				51.3				189.1				3.3

Table 5. Projected impacts, harvest guideline, percentage of harvest guideline represented by projected impacts and residual yield between the projected impacts and the harvest guideline for each sector under the intermediate overfished species ACL alternative.

	Yelloweye				Canary				Bocaccio				Cowcod			
Sector	Impacts	HG	% HG	Residual	Impacts	HG	% HG	Residual	Impacts	HG	% HG	Residual	Impacts	HG	% HG	Residual
Limited Entry Non-Whiting Trawl	0.2	0.6	33%	0.4	9.7	19.3	50%	9.6	9.7	19.3	50%	9.6	0.3	1.4	21%	1.1
Limited Entry Fixed Gear	0.7	1.3	54%	0.6	1.7	2.3	87%	0.9	0.0	12.3	0%	12.3	NA	NA	NA	NA
Sablefish Open Access DTL	0.1	0.3	33%	0.2	0.3				0.0	9.9	3%	9.6	NA	NA	NA	NA
Nearshore Fixed Gear	0.7	0.7	100%	0.0	2.1	3.3	64%	1.2	0.3				NA	NA	NA	NA
Washington Recreational	2.5	2.6	96%	0.1	0.5	4.4	11%	3.9	NA	NA	NA	NA	NA	NA	NA	NA
Oregon Recreational	2.4	2.4	100%	0.0	2.1	14.5	14%	12.4	NA	NA	NA	NA	NA	NA	NA	NA
California Recreational	2.4	2.6	92%	0.2	7.4	17.7	42%	10.3	52.2	65.8	79%	13.6	0.2	1.4	14%	1.2
Limited Entry Whiting Trawl																
Catcher Processor	NA	NA	NA	NA	1.2	4.3	27.9%	3.1	NA	NA	NA	NA	NA	NA	NA	NA
Trawl Mothership	NA	NA	NA	NA	0.9	3	30.0%	2.1	NA	NA	NA	NA	NA	NA	NA	NA
Trawl Shoreside	NA	NA	NA	NA	1.5	5.3	28.3%	3.8	NA	NA	NA	NA	NA	NA	NA	NA
Total Residual				1.5				47.3				45.1				2.3

Table 6. Projected impacts, harvest guideline, percentage of harvest guideline represented by projected impacts and residual yield between the projected impacts and the harvest guideline for each sector under the low overfished species ACL alternative.

	Yelloweye				Canary				Bocaccio				Cowcod			
Sector	Impacts	HG	% HG	Residual	Impacts	HG	% HG	Residual	Impacts	HG	% HG	Residual	Impacts	HG	% HG	Residual
Limited Entry Non-Whiting Trawl	0.1	0.4	25%	0.3	7.3	8	91%	0.7	4.5	4.7	96%	0.2	0.2	0.9	0	0.7
Limited Entry Fixed Gear	0.5	0.8	63%	0.3	0.6	0.9	89%	0.5	0	5.1	0%	5.1	NA	NA	NA	NA
Sablefish Open Access DTL	0.1	0.2	50%	0.1	0.2				0	4.1	5%	3.9	NA	NA	NA	NA
Nearshore Fixed Gear	0.4	0.4	100%	0.0	0.9	1.4	64%	0.5	0.2				NA	NA	NA	NA
Washington Recreational	1.6	1.6	100%	0.0	0.5	1.8	28%	1.3	NA	NA	NA	NA	NA	NA	NA	NA
Oregon Recreational	1.5	1.5	97%	0.1	1.7	6	28%	4.3	NA	NA	NA	NA	NA	NA	NA	NA
California Recreational	1.5	1.6	94%	0.1	7.6	9.6	79%	2.0	26.6	27.6	96%	1	0.03	0.9	0	0.9
Limited Entry Whiting Trawl																
Catcher Processor	NA	NA	NA	NA	0.5	1.8	28%	1.3	NA	NA	NA	NA	NA	NA	NA	NA
Trawl Mothership	NA	NA	NA	NA	0.4	1.3	31%	0.9	NA	NA	NA	NA	NA	NA	NA	NA
Trawl Shoreside	NA	NA	NA	NA	0.7	2.4	29%	1.7	NA	NA	NA	NA	NA	NA	NA	NA
				0.9				13.2				10.2				1.6