

GROUND FISH MANAGEMENT TEAM (GMT) REPORT ON
FINAL CONSIDERATION OF INSEASON ADJUSTMENTS

The GMT has several inseason adjustments for the Council's consideration regarding the commercial fisheries. Based on the Council guidance under agenda item C.1., the GMT has estimated the potential results of the inseason adjustments that will be considered under this agenda item (Attachment 1); changes are noted in bold.

PRIMARY ISSUES

Sablefish Tier Limits

There was an error in the calculation of the sablefish tier limits that were published in the Federal Register. The calculation was made based on the sablefish ABC, rather than the OY, which resulted in higher tier limits for the primary fishery (see Exhibit C.6.a., Attachment 1, Chapter 2, p. 34). Specifically:

<u>Tier</u>	<u>Incorrect Tier Limits (lbs) Calculated Using ABC</u>	<u>Correct Tier Limits (lbs) Calculated Using OY</u>
1	69,600	64,300
2	31,600	29,200
3	18,100	16,700

Some of these tier limits have already been achieved and sablefish daily trip limit (DTL) catches are tracking higher (through May) this year than last year (256 mt compared to 241 mt). The GMT notes that if the sablefish tier limits are not changed, and if the full amount of the tier limits are achieved, then the estimated catch of sablefish will be 172 mt over the 2004 sablefish OY (see Attachment 2.). The tier limits through April are tracking slower this year than last year, and the GMT believes that it is unlikely that all of the sablefish tier limits will be maximized. However, if the sablefish tier limits are corrected (which will take about two weeks to take effect), then fishers may maximize their tier limits in anticipation of the reduction. The DTL sablefish fishery limits were raised in November 2003 to 300 lbs/day; 900 lbs/week; not to exceed 3600 lbs/2 months (from 300 lbs/day; 800 lbs/week; not to exceed 3200 lbs/2 months).

The GMT has identified the alternative of reducing the DTL limits for both limited entry and open access back to the pre-November levels. The GMT believes that this action will result in a total sablefish mortality of 45 mt above the OY of 7,510 mt (0.6% over the OY). Action alternatives for this fishery include:

1. Change the sablefish tier limits to the correct amounts based on the OY, and/or
2. Reduce the DTL limits for limited entry and open access

With regard to not taking any action at this time, the GMT estimates that by the September Council meeting, over 80% of the DTL (limited entry and open access combined) will have occurred, as well as the majority of the tier limits. This would likely put us over the sablefish OY and would require inseason action to constrain other fisheries that harvest sablefish, such as trawl.

Although there is a formal allocation of sablefish to the open-access fleet, historically it has proven difficult to precisely manage the daily-trip-limit (DTL) fisheries in limited entry and open access independently. Closure of the limited-entry DTL fishery would allow all permitted vessels to use their endorsed gear to fish under the open-access limits. If the limited-entry fishery remains open, but the trip limit is reduced, relative to open access, any or all of the higher open-access limit can be landed by a limited-entry vessel using a non-endorsed gear. In either of these cases, the landings of limited-entry vessels continue to accrue to the limited-entry fleet. As a result, management has typically had to manage these fisheries to their combined target tonnage.

Whiting Trawl Fishery

There was a larger than anticipated catch of canary rockfish in the mothership sector of the whiting fishery in early June. Specifically, one catcher vessel caught an estimated 3.9 mt of canary off Heceta Bank, bringing the estimated mothership canary catch to 4.0 mt (compared to the 0.9 mt the GMT has estimated for this sector in the bycatch scorecard). To date, it is estimated that the mothership, catcher-processor, and tribal whiting fisheries combined have caught 4.5 mt of canary rockfish (note: the shoreside fishery has begun in northern California, and starts today off Oregon and Washington).

In order to help ensure that the whiting fisheries stay within an estimated impact of 7.3 mt of canary rockfish, the GMT supports the Council's guidance to advocate voluntary area closures for the whiting fishery, including the area off Heceta Bank as well as areas off northern Washington that have been identified through the Washington arrowtooth flounder EFP. In addition, the GMT understands that NMFS will monitor the bycatch in the whiting fishery and will take emergency action to close all or some of the sectors of the fishery to stay within the 7.3 mt projected bycatch of canary rockfish, if necessary.

Research Catches

The GMT has received an update from the NWFSC that the current catch of canary rockfish in the NMFS shelf trawl survey is 1.0 mt during the first of five segments off northern Washington (note: the GMT had anticipated a total of 1.0 mt of canary in all research catches (including SRPs and LOAs) combined—NMFS Triennial trawl survey, NMFS shelf trawl survey, NMFS slope survey, IPHC halibut survey, and Canadian whiting survey). At this time, the GMT cannot predict the total amount of canary rockfish that will be taken in the research surveys, but believes that 3.0 mt is a reasonable placeholder.

LIMITED ENTRY TRAWL

The GMT recommends the following regulatory corrections and inseason adjustments:

Regulatory Corrections

North of 40°10'

1. Specify petrale sublimit of 100,000/2 mo. for large footrope and midwater gear as a sublimit of "All other flatfish," not as additional fish, for periods 2-5
2. Remove midwater widow and yellowtail fishery currently scheduled in trip limit table for period 6

South of 40°10'

3. Clarify that there is no small footrope trip limit differential S. of 40°10'; fishers are not constrained to smaller trip limits for the entire period if small footrope gear is used (this restriction only applies N. of 40°10')

Inseason Adjustments

Coastwide

4. As a result of QSM tracking higher than projected for shortspine, sablefish, Dover and petrale, adjust trip limits downward as specified in Attachment 3.
5. Allow a lingcod incidental trip limit of 500 lbs/2 mo. seaward of the RCA for large footrope (N. of 40°10') and for large footrope and midwater gear (S. of 40°10') for the remainder of the year

North of 40°10'

6. Allow a widow and minor shelf rockfish incidental trip limit of 300 lbs/2 mo. seaward of the RCA for large footrope for the remainder of the year
7. As midwater gear is not used other than in the whiting fishery, and the only incidental catch allowance for the whiting fishery is for widow and yellowtail rockfish, the GMT recommends removing references to midwater gear in the trip limit tables, except for the midwater whiting, widow and yellowtail trip limits (Note: The attached trip limit tables do not reflect this change).
8. With regard to having more than one type of gear onboard, vessels that have both large footrope and midwater trawl gear onboard while trawling seaward of the RCA would be allowed to access the higher large footrope trip limits (Note: The attached trip limit tables do not reflect this change).

South of 40°10'

9. Allow midwater gear seaward of RCA only to provide chilipepper fishery without impacting bocaccio; trip limits would be same as large footrope limit of 12,000 lbs/2 mo. for July and August, then 8,000 lbs/2 mo. for September through December. Because midwater gear is being tied with large footrope, trip limits for canary and minor nearshore will now be the same as large footrope (which is closed) for the remainder of the year.
10. Increase trip limit for bocaccio for large footrope and midwater trawl seaward of the RCA to the same amount as limited entry fixed gear to accommodate incidental catches to 300 lbs/2 mo. for the remainder of the year

LIMITED ENTRY FIXED GEAR

Between 40°10' and 34°27' (Pt. Conception)

11. Increase trip limit for bocaccio to the same amount as limited entry fixed gear south of Pt. Conception to accommodate incidental catches to 300 lbs/2 mo. for the remainder of the year

MANAGEMENT LINES

12. Adjust the coordinates for the 75-fm RCA boundary to adhere more closely to the depth contour which will allow access to sandy area for sanddab fishing in the Half Moon Bay area

GMT Recommendations

1. Adopt changes to sablefish fixed gear fisheries; specific options include:
 - Change the sablefish tier limits to the correct amounts based on the OY, and/or
 - Reduce the DTL limits for limited entry and open access
2. Confirm the inseason adjustment for the whiting fishery as presented under agenda item C.1.
3. Adopt commercial fishery regulatory corrections and inseason adjustments for limited entry trawl, limited entry fixed gear, and the 75-fm management line off California (Commercial Alternatives 1-12)

DRAFT C.3.b Attachment 1. Estimated Impacts as a Result of Proposed Inseason Adjustments

6/15/04 10:29

a

Fishery	Bocaccio a/	Canary	Cowcod	Dkbl	Lingcod	POP	Widow	Yelloweye
Limited Entry Groundfish								
Trawl- Non-whiting	47.4	9.2	0.4	75.6	104.7	95.0	2.5	0.2
Fixed Gear	13.4	0.9	0.1	0.8	20.0	0.3	0.5	2.5
Whiting								
At-sea whiting motherships		7.3		1.4	0.3	1.7	59.7	0.0
At-sea whiting cat-proc				7.6	0.4	10.1	84.6	0.4
Shoreside whiting				0.5	0.7	0.4	29.9	0.0
Tribal whiting				0.0	0.5	1.5	37.1	0.0
Open Access								
Groundfish directed	10.6	1.0	0.1	0.2	70.0	0.1		0.6
CA Halibut	0.1			0.0	2.0	0.0		
CA Gillnet b/	0.5			0.0		0.0	0.0	
CA Sheephead b/				0.0		0.0	0.0	0.0
CPS- wetfish b/	0.3							
CPS- squid c/								
Dungeness crab b/	0.0		0.0	0.0		0.0		
HMS b/		0.0	0.0	0.0				
Pacific Halibut b/	0.0		0.0	0.0		0.0	0.0	0.5
Pink shrimp	0.1	0.5	0.0	0.0	0.5	0.0	0.1	0.1
Ridgeback prawn	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salmon troll	0.2	1.6	0.0	0.0	0.3	0.0	0.0	0.2
Sea Cucumber	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Spot Prawn (trap)								
Tribal								
Midwater Trawl		1.3		0.0	0.1	0.0	40.0	0.0
Bottom Trawl		0.5		0.0	9.0	0.0	0.0	0.0
Troll		0.5		0.0	1.0	0.0		0.0
Fixed gear		0.3		0.0	15.0	0.0	0.0	2.3
Recreational Groundfish								
WA d/		1.7			65.0			3.5
OR		6.8			109.7		1.4	3.2
CA e/	62.8	9.3	1.8		268.9		1.4	3.7
Research: Based on 2 most recent NMFS trawl shelf and slope surveys, the IPHC halibut survey, and LOAs with expanded estimates for south of Pt. Conception.								
	2.0	3.0		1.6	3.0	3.0	1.5	1.1
Non-EFP Total	137.5	43.9	2.4	87.7	671.1	112.1	258.7	18.4
EFPs f/								
CA: NS FF trawl	10.0	0.5	0.5		20.0			0.5
OR: DTS g/		0.0		0.2		0.6		0.0
WA: AT trawl		1.0		3.0	4.5	8.5	5.5	0.5
WA: dogfish LL		0.0		0.0	0.5	0.0	0.0	0.0
WA: pollock		0.1					1.5	0.1
EFP Subtotal	10.0	1.6	0.5	3.2	25.0	9.1	7.0	1.1
TOTAL	147.5	45.5	2.9	90.9	696.1	121.2	265.7	19.5
2004 OY	250	47.3	4.8	240	735	444	284	22
Difference	102.5	1.8	1.9	149.1	38.9	322.8	18.3	2.5
Percent of OY	59.0%	96.2%	60.4%	37.9%	94.7%	27.3%	93.6%	88.5%
Key	= either not applicable; trace amount (<0.01 mt); or not reported in available data sources.							

a/ South of 40°10' N. lat.

b/ Mortality estimates are not hard numbers; based on the GMT's best professional judgement.

c/ Bycatch amounts by species unavailable, but bocaccio occurred in 0.1% of all port samples and other rockfish in another 0.1% of all port samples (and squid fisheries usually land their whole catch). In 2001, out of 84,000 mt total landings 1 mt was groundfish. This suggests that total bocaccio was caught in trace amounts.

d/ Estimates for yelloweye have not been updated.

e/ Estimates for bocaccio, cowcod, widow, and yelloweye have not been updated.

f/ Values are proposed EFP bycatch caps, not estimates of total mortality. The EFP is terminated inseason if the cap is projected to be attained early.

g/ The darkblotched rockfish and Pacific ocean perch caps are not defined yet for this EFP but are expected to be lower than the placeholders in this scorecard.

(Blank)

Jim Hastie

Attachment 2.--Review of potential overage amounts in the limited-entry fixed-gear primary sablefish fishery

	Percentage of participating permits that take the higher limits		
	100%	75%	50%
Limited-entry primary fishery			
Overage (mt) if all permits landed their limits	172 <i>mt</i>	129	86
Unlanded 2003 tier tonnage	<u>46</u> <i>mt</i>	<u>46</u>	<u>46</u>
Net overage if same tonnage unlanded in 2004	126 <i>mt</i>	83	40
Limited-Entry DTL fishery			
Tonnage difference between 2003 landings and 2004 target	84	84	84
Net LE overage if same DTL mts as in 2004 <i>2003</i>	41	-2	-45
OA DTL fishery			
Difference between 2003 landings and 2004 target	35	35	35
Net overage if same DTL mts as in 2004 <i>2003</i>	6	-37	-80

Month	Monthly distribution of primary fishery landings	
	Monthly percentage	Cumulative percentage
4	2%	2%
5	10%	12%
6	18%	30%
7	20%	50%
8	15%	65%
9	25%	90%
10	10%	100%

(Blank)
8

Attachment 3

Table 1. Initial Model Projection vs. QSM

QSM and Model Projected Limited Entry Landings through Period 2 (April)

		Period 1	Initial Period 1 Model Projection	Period 2	Initial Period 2 Model Projection	Total QSM thru April	Total Model Thru April
N 40 10	Longspine THDS	23.2	32.8	56.6	82.8	112.5	115.6
	Shortspine THDS	26.1	23.1	59.1	47.7	108.3	70.9
	TWL Sable (V&C&E&M)	145.4	113.5	196.6	165.8	455.6	279.4
	Dover sole	930.5	770.4	1,142.1	1,139.6	2,842.9	1,910.0
	Petrals	861.8	771.5	215.8	185.6	1,849.1	957.1
	English Sole	123.7		55.8		179.5	
	Arrowtooth Flounder	269.6	100.2	226.9	148.8	596.7	249.0
	Remaining Flatfish	89.4		72.9		162.3	
	Remaining Flat & Eng	213.1	308.6	128.7	437.0	341.7	745.6
S 40 10	Longspine THDS	58.8	20.9	49.4	37.8	129.2	58.7
	Shortspine THDS	19.7	18.7	22.5	28.2	61.0	46.9
	TWL Sable (V&C&E&M)	44.6	42.7	58.4	58.8	145.7	101.5
	Dover sole	191.5	149.6	231.9	242.4	573.1	392.0
	Petrals	30.2	51.3	57.2	27.8	138.7	79.1
	English Sole	16.3		14.2		30.5	
	Arrowtooth Flounder	0.4	2.4	0.1	1.2	2.8	3.6
	Remaining Flatfish	37.6		61.1		98.7	
	Remaining Flat & Eng	53.9	260.0	75.3	143.5	129.3	403.5

Table 2. Revised Total Mortality Estimates using new Bimonthly Limits

		North	South	Total
Rebuilding Species	Lingcod	64.7	30.5	95.2
	Canary	8.6	0.7	9.2
	POP	95.0	0.0	95.0
	Darkblotcher	62.9	12.7	75.6
	Widow	2.4	0.1	2.5
	Bocaccio	0.0	47.3	47.3
	Y'eye	0.1	0.1	0.2
	Cowcod	0.0	0.4	0.4
Target Species	Sablefish	2,695	583	3,278
	Longspine	357	372	729
	Shortspine	663	243	906
	Dover	4,944	2,198	7,142
	Arrowt'rh	2,051	211	2,262
	Petrals	2,347	285	2,632
	Othr Flat & Eng. Sole	2,634	1,518	4,152
	Slope Rock	203	332	536

Table 3. Revised Trip Limit and RCA Boundaries

SUBAREA	Period	OUTLINE		Petrale								
		INLINE	OUTLINE	Sablefish	Longspine	Shortspine	Dover	Othr Flat & Eng	Sublimit	Arrowtooth	Slope	Rock
N 40 10	1	75	150	9,300	15,000	3,100	67,500	100,000	No Limit	No Limit	No Limit	8,000
	2	60	150	9,300	15,000	3,100	67,500	100,000	100,000	100,000	150,000	8,000
	3	60	150	16,000	18,000	4,500	32,000	100,000	100,000	100,000	150,000	8,000
	4	75	150	15,000	18,000	4,100	31,000	100,000	30,000	30,000	150,000	8,000
	5	75	150	15,000	18,000	4,100	31,000	100,000	30,000	30,000	150,000	8,000
	6	75	150	11,000	18,000	4,100	50,000	100,000	No Limit	No Limit	No Limit	8,000
North Small Footrope Limit	1	75	150	2,000	1,000	1,000	10,000	30,000	10,000	10,000	4,000	4,000
	2	60	150	2,000	1,000	1,000	10,000	30,000	10,000	10,000	4,000	4,000
	3	60	150	10,000	1,000	3,000	27,000	80,000	30,000	30,000	11,000	11,000
	4	75	150	10,000	1,000	3,000	27,000	80,000	26,000	26,000	11,000	11,000
	5	75	150	10,000	1,000	3,000	27,000	80,000	26,000	26,000	11,000	11,000
	6	75	150	5,000	1,000	1,000	18,000	70,000	20,000	20,000	8,000	8,000
38 - 40 10	1	75	150	11,200	15,000	3,000	39,000	100,000	No Limit	No Limit	No Limit	10,000
	2	75	150	11,200	15,000	3,000	39,000	100,000	20,000	20,000	10,000	10,000
	3	100	150	14,500	18,000	4,500	49,000	120,000	20,000	20,000	10,000	50,000
	4	100	150	13,000	18,000	4,100	48,000	120,000	20,000	20,000	10,000	50,000
	5	75	150	13,000	18,000	4,100	48,000	120,000	20,000	20,000	10,000	50,000
	6	75	150	13,000	18,000	4,100	49,000	120,000	No Limit	No Limit	No Limit	50,000
S 38	1	75	150	11,200	15,000	3,000	39,000	100,000	No Limit	No Limit	No Limit	40,000
	2	75	150	11,200	15,000	3,000	39,000	100,000	20,000	20,000	10,000	40,000
	3	100	150	14,500	18,000	4,500	49,000	120,000	20,000	20,000	10,000	50,000
	4	100	150	13,000	18,000	4,100	48,000	120,000	20,000	20,000	10,000	50,000
	5	75	150	13,000	18,000	4,100	48,000	120,000	20,000	20,000	10,000	50,000
	6	75	150	13,000	18,000	4,100	49,000	120,000	No Limit	No Limit	No Limit	50,000

Table 3 (North). 2004 Trip Limits and Gear Requirements^{1/} for Limited Entry Trawl Gear North of 40°10' N. Latitude^{2/}

Other Limits and Requirements Apply -- Read Sections IV. A. and B. NMFS Actions before using this table

062004

		JAN-FEB	MAR-APR	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC
Rockfish Conservation Area^{10/} (RCA):							
North of 40°10' N. lat.		75 fm - modified 200 fm ^{11/}	60 fm - 200 fm	60 fm - 150 fm	75 fm - 150 fm		
Small footrope or midwater trawl gear is required shoreward of the RCA; all trawl gear (large footrope, midwater trawl, and small footrope gear) is permitted seaward of the RCA.							
A vessel may have more than one type of limited entry bottom trawl gear on board, but the most restrictive trip limit associated with the gear on board applies for that trip and will count toward the cumulative trip limit for that gear. A vessel that is trawling within the RCA (or other closed area) with trawl gear authorized for use within the RCA (or other closed area) may not have any other type of trawl gear on board. See IV.A.(14)(iv) for details.							
1	Minor slope rockfish ^{3/}	4,000 lb/ 2 months		8,000 lb/ 2 months			
2	Pacific ocean perch	3,000 lb/ 2 months					
3	DTS complex	Providing only large footrope or midwater trawl gear is used to land any groundfish species during the entire limit period, then large footrope trawl trip limits apply. If small footrope gear ^{7/} is used at any time in any area (North or South of 40°10' N. lat., shoreward or seaward of RCA) during the entire limit period, then small footrope trawl limits apply.					
4	Sablefish						
5	large footrope or midwater trawl gear	9,300 lb/ 2 months		16,000 lb/ 2 months	15,000 lb/ 2 months		11,000 lb/ 2 months
6	small footrope gear ^{7/}	2,000 lb/ 2 months		10,000 lb/ 2 months		5,000 lb/ 2 months	
7	Longspine thornyhead						
8	large footrope or midwater trawl gear	15,000 lb/ 2 months		18,000 lb/ 2 months			
9	small footrope gear ^{7/}	1,000 lb/ 2 months					
10	Shortspine thornyhead						
11	large footrope or midwater trawl gear	3,150 lb/ 2 months		4,500 lb/ 2 months	4,100 lb/ 2 months		
12	small footrope gear ^{7/}	1,000 lb/ 2 months		3,000 lb/ 2 months		1,000 lb/ 2 months	
13	Dover sole						
14	large footrope or midwater trawl gear	67,500 lb/ 2 months		32,000 lb/ 2 months	31,000 lb/ 2 months		50,000 lb/ 2 months
15	small footrope gear ^{7/}	10,000 lb/ 2 months		27,000 lb/ 2 months		18,000 lb/ 2 months	
16	Flatfish	Providing only large footrope or midwater trawl gear is used to land any groundfish species during the entire limit period, then large footrope trawl trip limits apply. If small footrope gear ^{7/} is used at any time in any area (North or South of 40°10' N. lat., shoreward or seaward of RCA) during the entire limit period, then small footrope trawl limits apply.					
17	All other flatfish, Petrale sole, & Rex sole						
18	large footrope or midwater trawl gear for All other flatfish ^{4/} & Rex sole	100,000 lb/ 2 months			All other flatfish, rex sole, and petrale sole: 100,000 lb/ 2 months, no more than 30,000 lb/ 2 months of which may be petrale sole.		100,000 lb/ 2 months
19	large footrope or midwater trawl gear for Petrale sole	Not limited	100,000 lb/ 2 months				Not limited
20	small footrope gear ^{7/}	30,000 lb/ 2 months, no more than 10,000 lb/ 2 months of which may be petrale sole.		80,000 lb/ 2 months, no more than 30,000 lb/ 2 months of which may be petrale sole.	80,000 lb/ 2 months, no more than 26,000 lb/ 2 months of which may be petrale sole.		70,000 lb/ 2 months, no more than 20,000 lb/ 2 months of which may be petrale sole.
21	Arrowtooth flounder						
22	large footrope or midwater trawl gear	Not limited	150,000 lb/ 2 months				Not limited
23	small footrope gear ^{7/}	4,000 lb/ 2 months	11,000 lb/ 2 months				8,000 lb/ 2 months

Table 3 (North). Continued

24	Whiting ^{5/}	Before the primary whiting season: 20,000 lb/trip -- During the primary season: mid-water trawl permitted in the RCA. See IV.B.(3)(b) for season and trip limit details. -- After the primary whiting season: 10,000 lb/trip		
25	Minor shelf rockfish ^{3/} & Widow rockfish			
26	large footrope trawl	CLOSED ^{6/}		300 lb/2 months
27	midwater trawl for Widow rockfish	Before the primary whiting season: CLOSED ^{6/} -- During primary whiting season: In trips of at least 10,000 lb of whiting, combined widow and yellowtail limit of 500 lb/ trip, cumulative widow limit of 1,500 lb/ month. Mid-water trawl permitted in the RCA. See IV.B.(3)(b) for primary whiting season and trip limit details. -- After the primary whiting season: CLOSED ^{6/}		12,000 lb/ 2 months CLOSED ^{6/}
28	midwater for Minor shelf rockfish or small footrope trawl ^{7/} for minor shelf & widow	300 lb/ month	1,000 lb/ month, no more than 200 lb/ month of which may be yelloweye rockfish	300 lb/ month
29	Canary rockfish			
30	large footrope trawl	CLOSED ^{6/}		
31	midwater or small footrope trawl ^{7/}	100 lb/ month	300 lb/ month	100 lb/ month
32	Yellowtail			
33	large footrope trawl	CLOSED ^{6/}		
34	midwater trawl	Before the primary whiting season: CLOSED ^{6/} -- During primary whiting season: In trips of at least 10,000 lb of whiting: combined widow and yellowtail limit of 500 lb/ trip, cumulative yellowtail limit of 2,000 lb/ month. Mid-water trawl permitted in the RCA. See IV.B.(3)(b) for primary whiting season and trip limit details. -- After the primary whiting season: CLOSED ^{6/}		18,000 lb/ 2 months CLOSED ^{6/}
35	small footrope trawl ^{7/}	In landings without flatfish, 1,000 lb/ month. As flatfish bycatch, per trip limit is the sum of 33% (by weight) of all flatfish except arrowtooth flounder, plus 10% (by weight) of arrowtooth flounder. Total yellowtail landings not to exceed 10,000 lb/ 2 months, no more than 1,000 lb/ month of which may be landed without flatfish.		
36	Minor nearshore rockfish			
37	large footrope trawl	CLOSED ^{6/}		
38	midwater or small footrope trawl ^{7/}	300 lb/ month		
39	Lingcod ^{8/}			
40	large footrope trawl	CLOSED ^{6/}		500 lb/ 2 months
41	midwater or small footrope trawl ^{7/}	800 lb/ 2 months	1,000 lb/ 2 months	800 lb/ 2 months
42	Other Fish ^{9/}	Not limited		

1/ Gear requirements and prohibitions are explained above. See IV. A.(14).

2/ "North" means 40°10' N. lat. to the U.S.-Canada border. 40°10' N. lat. is about 20 nm south of Cape Mendocino, CA.

3/ Bocaccio and chilipepper are included in the trip limits for minor shelf rockfish and splitnose rockfish is included in the trip limits for minor slope rockfish.

4/ "Other" flatfish means all flatfish at 50 CFR 660.302 except those in this Table 3 with species specific management measures, including trip limits.

5/ The whiting "per trip" limit in the Eureka area shoreward of 100 fm is 10,000 lb/ trip all year. Outside Eureka area, the 20,000 lb/ trip limit applies. See IV. B.(3).

6/ Closed means that it is prohibited to take and retain, possess, or land the designated species in the time or area indicated. See IV. A.(7).

7/ Small footrope trawl means a bottom trawl net with a footrope no larger than 8 inches (20 cm) in diameter.

8/ The minimum size limit for lingcod is 24 inches (61 cm) total length.

9/ Other fish are defined at 50 CFR 660.302, as those groundfish species or species groups for which there is no trip limit, size limit, quota, or harvest guideline.

10/ The "Rockfish Conservation Area" is a gear and/or sector specific closed area generally described by depth contours but specifically defined by lat/long coordinates set out at IV. A.(17)(f), that may vary seasonally.

11/ The "modified 200 fm" line is modified to exclude certain petrale sole areas from the RCA.

To convert pounds to kilograms, divide by 2.20462, the number of pounds in one kilogram.

Table 3 (South). 2004 Trip Limits and Gear Requirements^{1/} for Limited Entry Trawl Gear South of 40°10' N. Latitude^{2/}

Other Limits and Requirements Apply -- Read Sections IV. A. and B. NMFS Actions before using this table

062004

		JAN-FEB	MAR-APR	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC
Rockfish Conservation Area^{10/} (RCA):							
40°10' - 34°27' N. lat.		75 fm - 150 fm (additional closure between the shoreline and 10 fm around the Farallon Islands)		100 fm - 150 fm (additional closure between the shoreline and 10 fm around the Farallon Islands)		75 fm - 150 fm (additional closure between the shoreline and 10 fm around the Farallon Islands)	
South of 34°27' N. lat.		75 fm - 150 fm along the mainland coast; shoreline - 150 fm around islands		100 fm - 150 fm along the mainland coast; shoreline - 150 fm around islands		75 fm - 150 fm along the mainland coast; shoreline - 150 fm around islands	
Small footrope or midwater trawl gear is required shoreward of the RCA; all trawl gear (large footrope, midwater trawl, and small footrope gear) is permitted seaward of the RCA.							
A vessel may have more than one type of limited entry bottom trawl gear on board, but the most restrictive trip limit associated with the gear on board applies for that trip and will count toward the cumulative trip limit for that gear. A vessel that is trawling within the RCA (or other closed area) with trawl gear authorized for use within the RCA (or other closed area) may not have any other type of trawl gear on board. See IV.A.(14)(iv) for details.							
1 Minor slope rockfish^{3/}							
2 40°10' - 38° N. lat.		7,000 lb/ 2 months				50,000 lb/ 2 months	
3 South of 38° N. lat.		40,000 lb/ 2 months					
4 Splitnose							
5 40°10' - 38° N. lat.		7,000 lb/ 2 months				50,000 lb/ 2 months	
6 South of 38° N. lat.		40,000 lb/ 2 months					
7 DTS complex		If fishing North of 40°10' N. lat. at any time during the cumulative limit period, differential trip limits based on footrope size and crossover provisions will apply during the entire limit period. See Table 3 (North) and Section A. (12) for more details					
8 Sablefish		11,250 lb/ 2 months		14,500 lb/ 2 months		13,000 lb/ 2 months	
9 Longspine thornyhead		15,000 lb / 2 months				18,000 lb / 2 months	
10 Shortspine thornyhead		3,000 lb/ 2 months		4,500 lb/ 2 months		4,100 lb/ 2 months	
11 Dover sole		39,000 lb/ 2 months		49,000 lb/ 2 months		48,000 lb/ 2 months 49,000 lb/ 2 months	
12 Flatfish		If fishing North of 40°10' N. lat. at any time during the cumulative limit period, differential trip limits based on footrope size and crossover provisions will apply during the entire limit period. See Table 3 (North) and Section A. (12) for more details					
13 All other flatfish ^{4/} & Rex sole		100,000 lb/ 2 months		All other flatfish plus petrale & rex sole: 100,000 lb/ 2 months, no more than 20,000 lb/ 2 months of which may be petrale sole		120,000 lb/ 2 months	
14 Petrale sole		No limit		All other flatfish plus petrale & rex sole: 120,000 lb/ 2 months, no more than 20,000 lb/ 2 months of which may be petrale sole		No limit	
15 Arrowtooth flounder		No limit		10,000 lb/ 2 months		No limit	
16 Whiting^{5/}		Before the primary whiting season: 20,000 lb/trip -- During the primary whiting season: mid-water trawl permitted in the RCA. See IV.B.(3)(b) for season and trip limit details. -- After the primary whiting season: 10,000 lb/trip					
17 Minor shelf rockfish, Widow, and Chilipepper rockfish^{3/}		Providing only large footrope trawl gear is used to land any groundfish species during the entire limit period, then large footrope limit applies.					
18 large footrope or midwater trawl for Minor shelf rockfish		300 lb/ month					
19 large footrope or midwater trawl for Chilipepper rockfish		2,000 lb/ 2 months		12,000 lb/ 2 months		8,000 lb/ 2 months	
20 large footrope or midwater trawl for Widow rockfish		CLOSED ^{6/}					
21 small footrope trawl ^{7/} for minor shelf, widow & chilipepper		300 lb/ month					
22 Bocaccio		Providing only large footrope trawl gear is used to land any groundfish species during the entire limit period, then large footrope limit applies.					
23 large footrope or midwater trawl		100 lb/month				300 lb/ 2 month	
24 small footrope trawl ^{7/}		CLOSED ^{6/}					

Table 3 (South). Continued

25	Canary rockfish			
26	large footrope or midwater trawl	CLOSED ^{6/}		
27	small footrope trawl ^{7/}	100 lb/ month	300 lb/ month	100 lb/ month
28	Cowcod	CLOSED ^{6/}		
29	Minor nearshore rockfish			
30	large footrope or midwater trawl	CLOSED ^{6/}		
31	small footrope trawl ^{7/}	300 lb/ month		
32	Lingcod ^{8/}			
33	large footrope or midwater trawl	CLOSED ^{6/}	500 lb/ 2 months	
34	small footrope trawl ^{7/}	800 lb/ 2 months	1,000 lb/ 2 months	800 lb/ 2 months
35	Other Fish ^{9/}	Not limited		

1/ Gear requirements and prohibitions are explained above. See IV. A.(14).

2/ "South" means 40°10' N. lat. to the U.S.-Mexico border. 40°10' N. lat. is about 20 nm south of Cape Mendocino, CA.

3/ Yellowtail is included in the trip limits for minor shelf rockfish and POP is included in the trip limits for minor slope rockfish.

4/ "Other" flatfish means all flatfish at 50 CFR 660.302 except those in this Table 3 with species specific management measures, including trip limits.

5/ The whiting "per trip" limit in the Eureka area shoreward of 100 fm is 10,000 lb/ trip all year. Outside Eureka area, the 20,000 lb/ trip limit applies. See IV. B.(3).

6/ Closed means that it is prohibited to take and retain, possess, or land the designated species in the time or area indicated. See IV. A.(7).

7/ Small footrope trawl means a bottom trawl net with a footrope no larger than 8 inches (20 cm) in diameter.

8/ The minimum size limit for lingcod is 24 inches (61 cm) total length.

9/ Other fish are defined at 50 CFR 660.302, as those groundfish species or species groups for which there is no trip limit, size limit, quota, or harvest guideline.

10/ The "Rockfish Conservation Area" is a gear and/or sector specific closed area generally described by depth contours but specifically defined by lat./long.

coordinates set out at IV. A.(17)(f), that may vary seasonally.

To convert pounds to kilograms, divide by 2.20462, the number of pounds in one kilogram.

Table 4 (North). 2004 Trip Limits for Limited Entry Fixed Gear North of 40°10' N. Latitude^{1/}

Other Limits and Requirements Apply -- Read Sections IV. A. and B. NMFS Actions before using this table

062004

	JAN-FEB	MAR-APR	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC
Rockfish Conservation Area^{8/} (RCA):						
North of 46°16' N. lat.	shoreline - 100 fm					
46°16' N. lat. - 40°10' N. lat.	30 fm - 100 fm					
1 Minor slope rockfish^{4/}	4,000 lb/ 2 months					
2 Pacific ocean perch	1,800 lb/ 2 months					
3 Sablefish	300 lb/ day, or 1 landing per week of up to 900 lb, not to exceed 3,600 lb/ 2 months			300 lb/ day, or 1 landing per week of up to 800 lb, not to exceed 3,200 lb/ 2 months		
4 Longspine thornyhead	10,000 lb/ 2 months					
5 Shortspine thornyhead	2,100 lb/ 2 months					
6 Dover sole	5,000 lb/ month					
7 Arrowtooth flounder						
8 Petrale sole						
9 Rex sole						
10 All other flatfish^{2/}						
11 Whiting^{3/}	10,000 lb/ trip					
12 Minor shelf rockfish, widow, and yellowtail rockfish^{4/}	200 lb/ month					
13 Canary rockfish	CLOSED ^{5/}					
14 Yelloweye rockfish	CLOSED ^{5/}					
15 Minor nearshore rockfish	5,000 lb/ 2 months, no more than 1,200 lb of which may be species other than black or blue rockfish ^{6/}					
16 Lingcod^{7/}	CLOSED ^{5/}		400 lb/ month		CLOSED ^{5/}	
17 Other fish^{9/}	Not limited					

1/ "North" means 40°10' N. lat. to the U.S.-Canada border. 40°10' N. lat. is about 20 nm south of Cape Mendocino, CA.

2/ "Other flatfish" means all flatfish at 50 CFR 660.302 except those in this Table 4 with species specific management measures, including trip limits.

3/ The whiting "per trip" limit in the Eureka area shoreward of 100 fm is 10,000 lb/ trip all year. Outside Eureka area, the 20,000 lb/ trip limit applies. See IV. B.(3).

4/ Bocaccio and chilipepper are included in the trip limits for minor shelf rockfish and splitnose rockfish is included in the trip limits for minor slope rockfish.

5/ Closed means that it is prohibited to take and retain, possess, or land the designated species in the time or area indicated. See IV. A.(7).

6/ For black rockfish north of Cape Alava (48°09'30" N. lat.), and between Destruction Island (47°40'00" N. lat.) and Leadbetter Point (46°38'10" N. lat.), there is an additional limit of 100 lb or 30 percent by weight of all fish on board, whichever is greater, per vessel, per fishing trip.

7/ The minimum size limit for lingcod is 24 inches (61 cm) total length.

8/ The "Rockfish Conservation Area" is a gear and/or sector specific closed area generally described by depth contours but specifically defined by lat./long. coordinates set out at IV. A.(17)(f), that may vary seasonally.

9/ Other fish are defined at 50 CFR 660.302, as those groundfish species or species groups for which there is no trip limit, size limit, quota, or harvest guideline.

To convert pounds to kilograms, divide by 2.20462, the number of pounds in one kilogram.

(Blank)

16

Table 4 (South). 2004 Trip Limits for Limited Entry Fixed Gear South of 40°10' N. Latitude^{1/}

Other Limits and Requirements Apply -- Read Sections IV. A. and B. NMFS Actions before using this table

062004

		JAN-FEB	MAR-APR	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC
Rockfish Conservation Area^{7/} (RCA):							
40°10' - 34°27' N. lat.		30 fm - 150 fm (also applies around islands, there is an additional closure between the shoreline and 10 fm around the Farallon Islands)		20 fm - 150 fm (also applies around islands, there is an additional closure between the shoreline and 10 fm around the Farallon Islands)		30 fm - 150 fm (also applies around islands, there is an additional closure between the shoreline and 10 fm around the Farallon Islands)	
South of 34°27' N. lat.		60 fm - 150 fm (also applies around islands)					
1 Minor slope rockfish^{4/}							
2	40°10' - 38° N. lat.	7,000 lb/ 2 months		50,000 lb/ 2 months			
3	South of 38° N. lat.	40,000 lb/ 2 months					
4 Splitnose							
5	40°10' - 38° N. lat.	7,000 lb/ 2 months		50,000 lb/ 2 months			
6	South of 38° N. lat.	40,000 lb/ 2 months					
7 Sablefish							
8	40°10' - 36° N. lat.	300 lb/ day, or 1 landing per week of up to 900 lb, not to exceed 3,600 lb/ 2 months			300 lb/ day, or 1 landing per week of up to 800 lb, not to exceed 3,200 lb/ 2 months		
9	South of 36° N. lat.	350 lb/ day, or 1 landing per week of up to 1,050 lb					
10 Longspine thornyhead		10,000 lb/ 2 months					
11 Shortspine thornyhead		2,000 lb/ 2 months					
12 Dover sole		5,000 lb/ month					
13 Arrowtooth flounder		When fishing for Pacific sanddabs, vessels using hook-and-line gear with no more than 12 hooks per line, using hooks no larger than "Number 2" hooks, which measure 11 mm (0.44 inches) point to shank, and up to 1 lb (0.45 kg) of weight per line are not subject to the RCAs.					
14 Petrale sole							
15 Rex sole							
16 All other flatfish^{2/}							
17 Whiting^{3/}		10,000 lb/ trip					
18 Minor shelf rockfish, widow, and yellowtail rockfish^{4/}							
19	40°10' - 34°27' N. lat.	300 lb/ 2 months	CLOSED ^{5/}	200 lb/ 2 months	300 lb/ 2 months		
20	South of 34°27' N. lat.	CLOSED ^{5/}	2,000 lb/ 2 months				
21 Chilipepper rockfish		2,000 lb/ 2 months, this opportunity only available seaward of the nontrawl RCA					
22 Canary rockfish		CLOSED ^{5/}					
23 Yelloweye rockfish		CLOSED ^{5/}					
24 Cowcod		CLOSED ^{5/}					
25 Bocaccio							
26	40°10' - 34°27' N. lat.	200 lb/ 2 months	CLOSED ^{5/}	100 lb/ 2 months	300 lb/ 2 months	200 lb/ 2 months 300 lb/ 2 months	
27	South of 34°27' N. lat.	CLOSED ^{5/}	300 lb/ 2 months				
28 Minor nearshore rockfish							
29 Shallow nearshore							
30	40°10' - 34°27' N. lat.	300 lb/ 2 months	CLOSED ^{5/}	500 lb/ 2 months	600 lb/ 2 months	500 lb/ 2 months	300 lb/ 2 months
31	South of 34°27' N. lat.	CLOSED ^{5/}	300 lb/ 2 months				
32 Deeper nearshore							
33	40°10' - 34°27' N. lat.	500 lb/ 2 months	CLOSED ^{5/}	500 lb/ 2 months		400 lb/month	500 lb/ 2 months
34	South of 34°27' N. lat.	CLOSED ^{5/}	500 lb/ 2 months	600 lb/ 2 months			400 lb/ 2 months
35	California scorpionfish	CLOSED ^{5/}	300 lb/ 2 months		400 lb/ 2 months		300 lb/ 2 months

Table 4 (South). Continued

36 Lingcod ^{6/}	CLOSED ^{5/}	400 lb/ month, when nearshore open	CLOSED ^{5/}
37 Other fish ^{8/}	Not limited		

1/ "South" means 40°10' N. lat. to the U.S.-Mexico border. 40°10' N. lat. is about 20 nm south of Cape Mendocino, CA.

2/ "Other flatfish" means all flatfish at 50 CFR 660.302 except those in this Table 4 with species specific management measures, including trip limits.

3/ The whiting "per trip" limit in the Eureka area shoreward of 100 fm is 10,000 lb/ trip all year. Outside Eureka area, the 20,000 lb/ trip limit applies. See IV. B.(3).

4/ POP is included in the trip limits for minor slope rockfish.

5/ Closed means that it is prohibited to take and retain, possess, or land the designated species in the time or area indicated. See IV. A.(7).

6/ The minimum size limit for lingcod is 24 inches (61 cm) total length.

7/ The "Rockfish Conservation Area" is a gear and/or sector specific closed area generally described by depth contours but specifically defined by lat/long coordinates set out at IV. A.(17)(f) that may vary seasonally.

8/ Other fish are defined at 50 CFR 660.302, as those groundfish species or species groups for which there is no trip limit, size limit, quota, or harvest guideline.

To convert pounds to kilograms, divide by 2.20462, the number of pounds in one kilogram.