

GROUND FISH MANAGEMENT TEAM REPORT ON FINAL CONSIDERATION OF INSEASON ADJUSTMENTS

As mentioned previously, there are significantly higher than anticipated catches of darkblotched rockfish and canary rockfish and, based on the Council guidance provided earlier this week, the GMT has developed options to address them. Trawl management measures implemented in May introduced factors into the fishery that had the potential to drive the darkblotched discard rate in two directions. If all else remained the same, the increased cumulative limit (from 4,000 to 8,000 lbs per 2 months north of 40°10'N. lat.) would be expected to have the effect of allowing some of the fish that were previously above the limit to be landed, thus lowering the discard rate.

However, the trawl RCA boundary was also moved from 200 fathoms into 150 fathoms which would increase the darkblotched encounter rate and potentially the discard rate.

Additionally, the GMT received comments from industry that targeting on slope rockfish has also increased since the May inseason action which may also have had the effect of increasing darkblotched discard. There is also a size-related market discard factor for small darkblotched rockfish that is somewhat independent of trip limit size.

The GMT has no quantitative information to evaluate the net effects of these factors. The only quantitative information currently available to the team relative to darkblotched rockfish is the PacFIN quota species monitoring (QSM) data on landed catch and, for non-whiting trawl, a discard of 33% of the total catch as measured by information collected by the West Coast Observer Program from the 2003 fishery when the slope rockfish limit was 1,800 pounds per 2-months. In order for the darkblotched total catch to remain within the ABC, this discard rate would have to have been less than 22% (with the assumed trawl catch through September). A rate of 21% or less would accommodate the whiting catcher processor quota while remaining within the darkblotched ABC (240 mt). An assumed discard rate of 20% would be required to accommodate any continued harvest of the whiting mothership sector.

The GMT is applying the preliminary estimated discard proportion from 2003 to estimate the total commercial catch of canary and darkblotched rockfish because the landed catches of both of these species currently exceeds what the bycatch model is predicting for total commercial catch. Based on the landed catch through August, and applying the discard proportion, and projecting catches through the end of the year, the GMT revised the bycatch scorecard (see Attachment 1) with the estimated impacts from all fisheries prior to any inseason action. The GMT will update the scorecard following Council action with a final tally of estimated impacts.

Darkblotched Rockfish

Through the end of August, the landed commercial catch of darkblotched rockfish is 159.6 mt (161 mt landed catch - 0.7 mt shoreside whiting fishery catch - 0.7 mt EFP catch). Using a discard proportion (33%) based on the amount of landings and estimated discard in 2003, 159.6 mt of landings would correspond to a total non-whiting commercial catch of 238.2 mt. When combined with all other fisheries, the total darkblotched mortality is estimated to be 374 mt which is 134 mt over the ABC by the end of the year.

Actions to Address Darkblotched Rockfish

Limited Entry Trawl Whiting Fishery

Through the end of August, the total darkblotched rockfish catch in the whiting fisheries is 8.1 mt. The sector specific catches of darkblotched are:

Catcher/Processor	Mothership	Tribal	Shoreside
4.36	3.02	0	0.7

The shoreside fishery, which is closed, harvested 0.2 mt of darkblotched above the preseason estimate and the mothership sector, which is currently open but not fishing, harvested 2.0 mt above the preseason estimate. If the catcher-processor and mothership fisheries were closed, effective October 1, there is expected to be an additional 1.4 mt of darkblotched harvested by the catcher-processor sector, which is based on applying the 2004 bycatch rate to an estimated harvest of 55,000 mt of whiting. This would bring the total darkblotched catch in the whiting fishery to 9.5 mt. This is the same amount of darkblotched that had been estimated to be taken in all whiting fisheries preseason (cumulative scorecard amount for whiting fisheries). If the catcher-processor fishery remained open until its full allocation of whiting were taken, and the 2004 bycatch rate continued, then the total darkblotched catch in the whiting fishery would be 10.8 mt.

Limited Entry Trawl Non-Whiting Fishery

Through the end of September, the total darkblotched rockfish catch in the limited entry trawl non-whiting fishery is estimated to be 268.1 mt (an additional 29.9 mt). Beginning October 1, to reduce the darkblotched catches to zero, the seaward trawl RCA boundary would have to be moved from 150 fms to 250 fms, north of 38°N. lat. and from 150 fms to 200 fms between 38°N. lat. and 36°N. lat., and would remain at 150 fms for the remainder of the year south of 36°N. lat. The trip limits would also be adjusted as follows (see Attachment 2):

N. of 40°10'

Sablefish

- Oct 1 - Increase trip limit from 15,000 lbs/2 mo. to 17,000 lbs/2 mo.
- Period 6 - Increase trip limit from 11,000 lbs/2 mo. to 17,000 lbs/2 mo.

Shortspine

- Oct 1 - Increase trip limit from 4,100 lbs/2 mo. to 5,100 lbs/2 mo. for rest of the year

Dover Sole

- Oct 1 - Increase trip limit from 31,000 lbs/2 mo. to 40,000 lbs/2 mo. for rest of the year

Petrale Sole

- Period 6 - Change from “no limit” to 100,000 lbs/2 mo combined with other flatfish and rex

sole.

Arrowtooth Flounder

- Period 6 - Change from “no limit” to 100,000 lbs/2 mo.

Slope Rockfish

- Period 6 - Change from 8,000 lbs/2 mo. to 1800 lbs/2 mo. (with no retention of darkblotched)

Between 40°10' and 38°

Sablefish

- Oct 1 - Increase trip limit from 13,000 lbs/2 mo. to 17,000 lbs/2 mo. for rest of the year

Shortspine

- Oct 1 - Increase trip limit from 4,100 lbs/2 mo. to 5,100 lbs/2 mo. for rest of the year

Dover Sole

- Period 6 - Reduce trip limit from 49,000 lbs/2 mo. to 48,000 lbs/2 mo.

Petrale Sole

- Period 6 - Change from “no limit” to 100,000 lbs/2 mo. (which is a sublimit of the “other flatfish, rex sole and petrale” limit of 120,000 lbs/2 mo.)

Arrowtooth Flounder

- Period 6 - Change from “no limit” to 100,000 lbs/2 mo.

Slope Rockfish

- Period 6 - Reduce from 50,000 lbs/2 mo. to 10,000 lbs/2 mo. (with no retention of darkblotched)

Splitnose

- Period 6 - Reduce from 50,000 lbs/2 mo. to 10,000 lbs/2 mo.

South of 38°

Sablefish

- Oct 1 - Increase trip limit from 13,000 lbs/2 mo. to 17,000 lbs/2 mo. for rest of the year

Shortspine

- Oct 1 - Increase trip limit from 4,100 lbs/2 mo. to 5,100 lbs/2 mo. for rest of the year

Dover Sole

- Period 6 - Reduce trip limit from 49,000 lbs/2 mo. to 48,000 lbs/2 mo.

Petrale Sole

- Period 6 - Change from “no limit” to 100,000 lbs/2 mo. (which is a sublimit of the “other flatfish, rex sole and petrale” limit of 120,000 lbs/2 mo.)

Arrowtooth Flounder

- Period 6 - Change from “no limit” to 100,000 lbs/2 mo.

Slope Rockfish

- Period 6 - Keep limit at 50,000 lbs/2 mo. (with no retention of darkblotched)

Splitnose

- Period 6 - Keep limit at 50,000 lbs/2 mo.

Total Estimated Darkblotched Impacts

Total Darkblotched Mortality by Sector and Option

Option	LE Trawl	Whiting	Other Fisheries	Total
Thru Aug	238.2	8.1	4.9	251.2
Proj. Thru Sept	268.1	9.5	4.9	282.5
1	268.1	14.3	4.9	287.3
2	268.1	10.8	4.9	283.8
3	268.1	9.5	4.9	282.5

Option 1

Limited entry trawl non-whiting close from seaward boundary to shore; CP and Motherships take full allocation of whiting; all other fisheries as prescribed through December

Option 2

Limited entry trawl non-whiting close from seaward boundary to shore; CP takes full allocation of whiting and Motherships stop fishing; all other fisheries as prescribed through December

Option 3

Limited entry trawl non-whiting close from seaward boundary to shore; CP and Mothership stop fishing beginning October 1; all other fisheries as prescribed through December

Canary Rockfish

Through the end of August, the GMT estimates that the total non-whiting commercial canary catch is 16.3 mt, based on the amount of landings and the discard proportion estimated for 2003 (60%) applied to the limited entry trawl non-whiting fishery combined with the estimated catches for limited entry fixed gear and open access fisheries (through December). Without inseason action, the total canary rockfish for all fisheries combined is estimated to be 54.7 mt (which is 7.4 mt above the OY of 47.3 mt).

Actions to Address Canary Rockfish (Minimize Commercial Impacts)

Limited Entry Trawl Whiting

Through the end of August, the total canary rockfish catch in the whiting fisheries is 5.9 mt. If the catcher-processor and mothership sectors were closed for darkblotched rockfish protection beginning October 1 and the 2004 bycatch rates remain the same, the total canary rockfish catch in the whiting fisheries would be 6.0 mt through September. If both catcher-processor and mothership sectors caught their respective allocations of whiting, the fisheries would be constrained to the 7.3 mt canary bycatch cap in place for all whiting fisheries combined.

Limited Entry Trawl Non-Whiting

As mentioned above, the GMT is applying a discard proportion from 2003 to estimate the 2004 limited entry trawl non-whiting canary catch. Using this method, the total canary rockfish catches for limited entry trawl non-whiting through September is estimated to be 17.5 mt. In order to avoid additional trawl canary impacts, beginning October 1, the trawl RCA would extend to the shoreline from the seaward boundary coastwide. As such, differential trip limits (large and small footrope) in the north would no longer need to apply. Therefore, the trip limit adjustments described above would apply regardless of gear fished and small footrope limits would change to the large footrope limits beginning October 1.

Total Estimated Canary Impacts

Total Canary Mortality by Sector and Option (OY=47.3 mt)

Option	LE Trawl	Whiting	Other Fisheries	Total
Thru Aug	15.5	5.9	23.9	45.3
Proj. Thru Sept	17.5	6	23.9	47.4
1	17.5	6.7	23.9	48.1
2	17.5	7.3	23.9	52.8

Option 1

LE trawl non-whiting close from seaward boundary to shore; Catcher/Processor sector take full whiting allocation and mothership stop fishing.

Option 2

LE trawl non-whiting close from seaward boundary to shore; Catcher/Processor sector and mothership sectors take respective whiting allocations.

California Recreational

Through an inseason action at the April 2004 meeting, California’s season and depth structure for groundfish management was modified to bring the projected recreational take of canary to 9.3 mt and to keep black rockfish within California’s harvest target. These modifications were based upon an inseason model developed by CDFG and reviewed by the GMT at the April 2004 meeting. Following GMT review in May, a decay model was used to develop the 2005-2006 management structure. Using this improved model, a revised projection of recreational take of canary for the current 2004 management structure was calculated. The results of this model including the statewide projection of 8.5 mt are provided in Attachment 3.

Oregon Recreational

On August 18, the Oregon Department of Fish and Wildlife prohibited retention of cabezon in

the Oregon recreational bottomfish fisheries. This was followed by action to prohibit retention for lingcod, all rockfishes, and all greenlings on September 3. As a result of these actions, the revised Oregon recreational canary catch estimate through September 5 is 3.5 mt. With the recreational fishing opportunities that are currently scheduled in Oregon, in combination with new retention and depth restrictions, the estimated total canary catch would be 4.3 mt through December (see Attachment 1, footnote e/).

Pink Shrimp Trawl

The GMT updated the estimated catch of canary rockfish in the pink shrimp fishery based on new information (see Attachment 4).

Open Access Trawl Exemption

The canary impacts in the current “scorecard” attribute no canary impacts to the sea cucumber, ridgeback prawn, and California halibut fisheries. As with several other non-groundfish open access fisheries, there is a paucity of actual data to make this determination. However, this proposal does not increase the canary mortality beyond current assumptions. The GMT notes that the proposal would result in the need to monitor an RCA line different than that in place for the groundfish trawl fleet and that exempted open access trawl vessels are not required to possess VMS. Further, if the Council adopts this proposal, the GMT recommends prohibition of rockfish in the California halibut trawl fishery to eliminate incentives to target “mixed nearshore” species since this strategy has been shown to have resulted in the minor canary rockfish take that has occurred in the fishery. As there is not a provision to prohibit targeting on “mixed nearshore” species currently, the GMT updated the scorecard to include a 0.1 mt estimate of canary rockfish in the California halibut trawl fishery. All three fisheries take place in waters sufficiently shallow to avoid darkblotched rockfish concerns.

Regulatory changes to accommodate these open access trawl fisheries while minimizing impacts to canary rockfish and darkblotched rockfish would be:

40°10' N. lat. to 34°27'N. lat.

Allow OA trawl fishing for California halibut and sea cucumber to 30 fm; prohibit retention of rockfish. This depth further safeguards against incidental encounter with canary and darkblotched rockfish by restricting the access to only depths of low canary and darkblotched abundance.

34°27' N. lat to U.S./Mexico border

Allow OA trawl fishing for California halibut, sea cucumber and ridgeback prawn fisheries to continue out to the current shoreward trawl RCA boundary of 75 fm (status quo); prohibit retention of rockfish. Canary rockfish and darkblotched rockfish distribution is limited in this area.

Additional Trip Limit Corrections/Changes

Coastwide - All Commercial Non-Whiting Fisheries

Beginning October 1, no retention of darkblotched rockfish and no retention of canary rockfish

Between 40°10' and 38° - Limited Entry Fixed Gear

Beginning Period 6, reduce slope rockfish limit from 50,000 lbs/2 mo. to 10,000 lbs/2 mo.

Beginning Period 6, reduce splitnose limit from 50,000 lbs/2 mo. to 10,000 lbs/2 mo.

S. of 38° - Limited Entry Fixed Gear

Beginning Period 6, keep slope rockfish limit at 50,000 lbs/2 mo.

Beginning Period 6, keep splitnose limit at 50,000 lbs/2 mo.

Between 40°10' and 34°27' - Limited Entry Fixed Gear and Open Access

In Period 5, correct California Deeper Nearshore trip limit to 400 lbs/2 mo. (from 400 lbs/mo.)

N. of 40°10' - Limited Entry Fixed Gear

In Period 6, change shortspine trip limit from 2100 lbs/2 mo. to 2000 lbs/2 mo.

GMT Recommendations

1. Adopt inseason adjustments to address darkblotched rockfish impacts.
2. Adopt inseason adjustments to address canary rockfish impacts.
3. Provide exemptions for sea cucumber, ridgeback prawn, and California halibut fisheries as described above.
4. Adopt additional trip limit corrections and changes.

Attachment 1. Estimated Impacts Prior to Inseason Adjustments at the September Council Meeting

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Fishery	Bocaccio a/	Canary	Cowcod	Dkbl	Lingcod	POP	Widow	Yelloweye
Limited Entry Groundfish								
Trawl- Non-whiting	47.4	24.3	0.4	358.3	104.7	95.0	2.5	0.2
Fixed Gear	13.4		0.1		20.0	0.3	0.5	2.5
Open Access: Groundfish directed	10.6		0.1		70.0	0.1		0.6
Whiting								
At-sea whiting motherships		7.3		3.0	0.8	0.1	11.4	0.0
At-sea whiting cat-proc				7.1	0.4	10.1	84.6	0.4
Shoreside whiting				0.7	0.7	0.7	28.6	0.0
Tribal whiting				0.0	0.0	0.2	1.6	0.0
Open Access								
CA Halibut	0.1	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	0.1	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		1.7			71.7			3.4
OR /e		4.3			109.7		1.4	3.2
CA	62.8	8.5	1.8		268.9		8.2	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	3.1		4.0	3.0	3.0	0.5	1.0
Non-EFP Total	137.5	53.6	2.4	373.1	677.8	109.5	179.4	18.1
EFPs d/								
CA: NS FF trawl	10.0	0.1	0.5		20.0			0.5
OR: DTS		0.0		0.2		0.6		0.0
WA: AT trawl		1.0		0.7	0.8	4.0	0.0	0.0
WA: dogfish LL		0.0		0.0	0.5	0.0	0.0	0.0
WA: pollock		0.0					0.0	0.0
EFP Subtotal	10.0	1.1	0.5	0.9	21.3	4.6	0.0	0.5
TOTAL	147.5	54.7	2.9	374.0	699.1	114.1	179.4	18.6
2004 OY	250	47.3	4.8	240	735	444	284	22
Difference	102.5	-7.4	1.9	-134.0	35.9	329.9	104.6	3.4
Percent of OY	59.0%	115.7%	60.4%	155.9%	95.1%	25.7%	63.2%	84.7%
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/ 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.

e/ Canary rockfish impacts through September 5 in all Oregon recreational fisheries (3.5 mt), plus impacts from remaining halibut fishery dates in Sept. and Oct. (0.4 mt), plus impacts from fishery shoreward of 40 fm through December (0.1 mt), plus fishery seaward of 40 fm in October with yellowtail rockfish retention (0.4 mt).

Attachment 2. Bimonthly Limit and RCA Configurations Under Proposed Inseason Adjustments

SUBAREA	PERIOD	INLINE	OUTLINE	Petrale							
				Sablefish	Longspine	Shortspine	Dover	Other Flat	sublimit	Arrowtooth	Slope
N 40 10(a)	1	75	200	9,300	15,000	3,150	67,500	100,000	No Limit	No Limit	4,000
	2	60	200	9,300	15,000	3,150	67,500	100,000	100,000	150,000	4,000
	3	60	150	16,000	18,000	4,500	32,000	100,000	100,000	150,000	8,000
	4	75	150	15,000	18,000	4,100	31,000	100,000	30,000	150,000	8,000
	5*	0	250	17,000	18,000	5,100	40,000	100,000	30,000	150,000	8,000
	6	0	250	17,000	18,000	5,100	40,000	100,000	100,000	100,000	1,800
38 - 40 10	1	75	150	11,250	15,000	3,000	39,000	100,000	No Limit	No Limit	7,000
	2	75	150	11,250	15,000	3,000	39,000	100,000	20,000	10,000	7,000
	3	100	150	14,500	18,000	4,500	49,000	120,000	20,000	10,000	50,000
	4	100	150	13,000	18,000	4,100	48,000	120,000	20,000	10,000	50,000
	5*	0	250	17,000	18,000	5,100	48,000	120,000	20,000	10,000	50,000
	6	0	250	17,000	18,000	5,100	48,000	120,000	100,000	100,000	10,000
S 38	1	75	150	11,250	15,000	3,000	39,000	100,000	No Limit	No Limit	40,000
	2	75	150	11,250	15,000	3,000	39,000	100,000	20,000	10,000	40,000
	3	100	150	14,500	18,000	4,500	49,000	120,000	20,000	10,000	50,000
	4	100	150	13,000	18,000	4,100	48,000	120,000	20,000	10,000	50,000
	5*	0	200	17,000	18,000	5,100	48,000	120,000	20,000	10,000	50,000
	6	0	200	17,000	18,000	5,100	48,000	120,000	100,000	100,000	50,000

(a) the north small / large footrope delineation would be eliminated

*RCA and trip limit adjustments will likely go in effect October 1. Current configurations likely to remain in place through September

Lopez Point)	11-20	0.10	0.10	0.20	0.20	0.24	0.24	0.28	0.28	0.28	0.28	0.28	0.13	0.13	0.13	0.13
	21-30	0.14	0.14	0.28	0.28	0.33	0.33	0.39	0.39	0.39	0.39	0.39	0.18	0.18	0.18	0.18
		0.24	0.24					0.29	0.29	0.29	0.29	0.29				
Council adopted	Total*depth adj.	0.30	0.30					0.40	0.40	0.40	0.40	0.40				1.79
With shore exemp		0.30	0.30	0.00	0.00	0.00	0.00	0.40	0.40	0.40	0.40	0.40	0.00	0.00	0.00	1.80
Morro Bay S-Central	DepthStratum															Total
(Lopez Point to	0-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Point Conception)	11-20	0.03	0.03	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.04	0.04	0.04	
	21-30	0.05	0.05	0.09	0.09	0.11	0.11	0.13	0.13	0.13	0.13	0.13	0.06	0.06	0.06	
	31-40	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.01	0.01	0.01	
		0.08	0.08			0.08	0.08			0.10	0.10	0.10	0.04	0.04	0.04	
Council adopted	Total*depth adj.	0.10	0.10			0.11	0.11			0.13	0.13	0.13	0.06	0.06	0.06	0.95
With shore exemp		0.10	0.10	0.00	0.00	0.11	0.11	0.00	0.00	0.13	0.13	0.13	0.06	0.06	0.06	0.95
South	DepthStratum															Total
	0-10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	11-20	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.01	
	21-30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	31-40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	41-50	0.09	0.09	0.18	0.18	0.02	0.02	0.18	0.18	0.18	0.37	0.37	0.09	0.09	0.09	
	51-60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Council adopted	Total*depth adj.			0.19	0.19	0.02	0.02	0.19	0.19	0.19	0.02	0.02	0.10	0.10	0.10	1.02
With shore exemp		0.00	0.00	0.19	0.19	0.02	0.02	0.19	0.19	0.19	0.03	0.03	0.10	0.10	0.10	1.02
CA																
Council adopted		0.91	0.91	0.32	0.32	0.19	0.19	0.30	0.30	1.83	1.58	1.58	0.16	0.16	0.16	8.45
With shore exemp		0.91	0.91	0.32	0.32	0.20	0.20	0.31	0.31	1.83	1.58	1.58	0.16	0.16	0.16	8.49

Groundfish Management Team (GMT)
Review of Pink Shrimp Fishery Canary Rockfish Mortality.

During the 2000 and 2001 pink shrimp fishery seasons Oregon Department of Fish and Wildlife was actively working with the industry to develop effective groundfish bycatch reduction devices (BRDs). The work involved examining the performance of five different devices ranging from soft mesh panels to rigid excluders (e.g. Nordmore grate). The industry was also allowed to design and test additional devices. During the 2001 season the canary bycatch mortality was estimated to be 1.5 mt based on the research data (0.5 mt) and additional mortality (1.0) that occurred while continuing to test various BRD designs under an Exempted Fishing Permit (EFP).

Beginning with the 2002 season, research validated BRDs were required and the option to experiment with additional industry designs was eliminated. The original research validated 0.5 mt coastwide canary mortality estimate was used by the GMT for the 2002 – 2004 seasons.

Changes in BRD technology, acceptance of more effective designs, the spread of BRD requirements for all three states, and changes in the success (target pink shrimp pounds landed) for the pink shrimp fishery have not been evaluated since early 2002.

Five factors support the GMT estimate that bycatch in the pink shrimp fishery should now be considered to minimal (0.1 mt or less). These factors are:

- The "fisheye" BRD, which was demonstrated to be much less effective at eliminating bycatch, has been eliminated as a legal BRD.
- The use of hard excluder devices for the Oregon fishery has increased from 25% during 2002, to over 80% during 2004.
- Research shows that hard excluders are nearly 100% effective at eliminating canary rockfish from shrimp trawls.
- A soon to be available ODFW Information Report demonstrates that water flow through the excluder devices is associated with the likelihood of gilling rockfish. Hard excluder devices facilitate much better water flow and as a result the number of gilled fish is reduced dramatically.
- It is estimated that the 2004 Oregon Pink shrimp fishery will be about 18 million pounds – a reduction of over 50% from the 40 million pounds landed during 2002.

For the above reasons the GMT will update the scorecard to show an anticipated canary rockfish bycatch mortality of 0.1 mt for the 2004 season which ends October 31.

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

092004

	JAN-FEB	MAR-APR	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC					
Rockfish Conservation Area^{3/} (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	shoreline - 250 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. North of 40°10' N. lat., midwater trawl gear is permissible only for vessels participating in the primary whiting season. On non-whiting trips, vessels with both large footrope and midwater trawl gear on board during a trip may land the large footrope limits while fishing with large footrope gear seaward of the RCA. Crossover provisions apply. See IV.A.(14)(b)(v) and IV.B.(3)(c) for details.											
Beginning October 1, 2004, retention of darkblotched and canary rockfish prohibited.											
1 Minor slope rockfish ^{2/}	4,000 lb/ 2 months		8,000 lb/ 2 months		1,800 lb/ 2 months						
2 Pacific ocean perch	3,000 lb/ 2 months										
3 DTS complex	Providing only large footrope 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 north of 40°10' N. lat. (shoreward or seaward of RCA) during the entire limit period, then small footrope trawl limits apply.										
4 Sablefish	17,000 lb/ 2 months										
5 large footrope gear							9,300 lb/ 2 months	16,000 lb/ 2 months	15,000 lb/ 2 months		
6 small footrope gear ^{7/}							2,000 lb/ 2 months	10,000 lb/ 2 months			
7 Longspine thornyhead	18,000 lb/ 2 months										
8 large footrope 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 gear	3,150 lb/ 2 months	4,500 lb/ 2 months	4,100 lb/ 2 months	5,100 lb/ 2 months							
12 small footrope gear ^{7/}	1,000 lb/ 2 months	3,000 lb/ 2 months									
13 Dover sole											
14 large footrope gear	67,500 lb/ 2 months	32,000 lb/ 2 months	31,000 lb/ 2 months	40,000 lb/ 2 months							
15 small footrope gear ^{7/}	10,000 lb/ 2 months	27,000 lb/ 2 months									
16 Flatfish	Providing only large footrope 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 north 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 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.		All other flatfish, rex sole, and petrale sole: 100,000 lb/ 2 months						
19 large footrope gear for Petrale sole	Not limited	100,000 lb/ 2 months									
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.							
21 Arrowtooth flounder											
22 large footrope gear	Not limited	150,000 lb/ 2 months			100,000 lb/ 2 months						
23 small footrope gear ^{7/}	4,000 lb/ 2 months	11,000 lb/ 2 months									
<i>Table 3 (North). Continued</i>											
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 ^{6/} & Widow rockfish											
26 large footrope trawl	CLOSED ^{6/}		300 lb/ 2 months		CLOSED ^{6/}						
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/}										
28 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			CLOSED ^{6/}						
29 Canary rockfish											
30 large footrope trawl	CLOSED ^{6/}										
31 small footrope trawl ^{7/}	100 lb/ month	300 lb/ month		100 lb/ month	CLOSED ^{6/}						
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/}										
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.				CLOSED ^{6/}						
36 Minor nearshore rockfish											
37 large footrope trawl	CLOSED ^{6/}										
38 small footrope trawl ^{7/}	300 lb/ month			CLOSED ^{6/}							
39 Lingcod ^{8/}											
40 large footrope trawl	CLOSED ^{6/}		500 lb/ 2 months		500 lb/ 2 months						
41 small footrope trawl ^{7/}	800 lb/ 2 months	1,000 lb/ 2 months		800 lb/ 2 months							
42 Other Fish ^{9/}	Not limited										

Table 3 (South). 2004 Trip Limits and Gear Requirements¹ for Limited Entry Trawl Gear South of 40°10' N. Latitude²

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

092004

	JAN-FEB	MAR-APR	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC
Rockfish Conservation Area¹⁰ (RCA):						
40°10' - 38° 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)	shoreline - 250 fm		
38° - 36° N. lat.				shoreline - 200 fm (additional closure between the shoreline and 10 fm around the Farallon Islands)		
36° - 34°27' N. lat.				shoreline - 150 fm along mainland coast and around 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	shoreline - 150 fm along mainland coast and around islands		

Small footrope 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. For vessels using more than one type of trawl gear during a cumulative limit period, limits are additive up to the largest limit for the type of gear used during that period. See ¹¹ for example. 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. Crossover provisions apply. See IV.A.(14)(b)(iv) and IV.B.(3)(c) for details.

Beginning October 1, 2004, retention of darkblotched and canary rockfish prohibited.

¹ Minor slope rockfish ¹¹	40°10' - 38° N. lat.	7,000 lb/ 2 months	50,000 lb/ 2 months			10,000 lb/ 2 months
³	South of 38° N. lat.	40,000 lb/ 2 months				50,000 lb/ 2 months
⁴ Splittnose						
⁵	40°10' - 38° N. lat.	7,000 lb/ 2 months	50,000 lb/ 2 months			10,000 lb/ 2 months
⁶	South of 38° N. lat.	40,000 lb/ 2 months				50,000 lb/ 2 months
⁷ DTS complex	If fishing north of 40°10' N. lat. at any time with small footrope gear during the cumulative limit period, differential trip limits based on footrope size 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	17,000 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	5,100 lb/ 2 months	
¹¹ Dover sole		39,000 lb/ 2 months	49,000 lb/ 2 months	48,000 lb/ 2 months		
¹² Flatfish	If fishing north of 40°10' N. lat. at any time with small footrope gear during the cumulative limit period, differential trip limits based on footrope size will apply during the entire limit period. See Table 3 (North) and Section A. (12) for more details					
¹³ All other flatfish ¹² & 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	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		All other flatfish plus petrale & rex sole: 120,000 lb/ 2 months, no more than 100,000 lb/ 2 months of which may be petrale sole
¹⁴ Petrale sole		No limit	10,000 lb/ 2 months			100,000 lb/ 2 months
¹⁵ Arrowtooth flounder		No limit	10,000 lb/ 2 months			100,000 lb/ 2 months
¹⁶ Whiting ¹³	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 Chillpepper rockfish ¹⁴						
¹⁸ large footrope or midwater trawl for Minor shelf rockfish	300 lb/ month					
¹⁹ large footrope or midwater trawl for Chillpepper 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 ¹⁵					
²¹ small footrope trawl ¹⁶ for minor shelf		300 lb/ month	1,000 lb/ month, no more than 200 lb/month of which may be minor shelf and widow rockfish		Combined small footrope, midwater, and large footrope limit. See large footrope limit for minor shelf.	
²² small footrope trawl ¹⁷ for chillpepper	Combined small footrope, midwater, and large footrope limit. See large footrope limit for chillpepper.					
²³ small footrope trawl ¹⁸ for widow	CLOSED ¹⁵					
²⁴ Bocaccio						
²⁵ large footrope or midwater trawl		100 lb/ month	300 lb/ 2 months		300 lb/ 2 months	
²⁶ small footrope trawl ¹⁹	CLOSED ¹⁵					
<i>Table 3 (South). Continued</i>						
²⁷ Canary rockfish	CLOSED ¹⁵					
²⁸ large footrope or midwater trawl	CLOSED ¹⁵					
²⁹ small footrope trawl ²⁰		100 lb/ month	300 lb/ month	100 lb/ month	CLOSED ¹⁵	
³⁰ Cowcod	CLOSED ¹⁵					
³¹ Minor nearshore rockfish	CLOSED ¹⁵					
³² large footrope or midwater trawl	CLOSED ¹⁵					
³³ small footrope trawl ²¹	300 lb/ month					CLOSED ¹⁵
³⁴ Lingcod ²²						
³⁵ large footrope or midwater trawl	CLOSED ¹⁵		500 lb/ 2 months		500 lb/ 2 months	
³⁶ small footrope trawl ²²		800 lb/ 2 months	1,000 lb/ 2 months	800 lb/ 2 months		
³⁷ Other Fish ²³	Not limited					

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

092004

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

	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											
Beginning October 1, 2004, retention of darkblotched rockfish prohibited.												
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											
4 Longspine thornyhead	10,000 lb/ 2 months											
5 Shortspine thornyhead	2,100 lb/ 2 months					2,000 lb/ 2 months						
6 Dover sole	DRAFT											
7 Arrowtooth flounder												
8 Petrale sole							5,000 lb/ month					
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											

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

092004

	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)					
Beginning October 1, 2004, retention of darkblotched rockfish prohibited.						
1 Minor slope rockfish^{4/}						10,000 lb/ 2 months
2 40°10' - 38° N. lat.	7,000 lb/ 2 months		50,000 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			10,000 lb/ 2 months
6 South of 38° N. lat.	40,000 lb/ 2 months					50,000 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					
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		
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/ 2 months		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

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Table 4 (South). Continued

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

Table 5 (North). 2004 Trip Limits for Open Access Gears North of 40°10' N. Latitude^{1/}

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

092004

		JAN-FEB	MAR-APR	MAY-JUN	JUL-AUG	SEP-OCT	NOV-DEC
Rockfish Conservation Area^{6/} (RCA):							
North of 46°16' N. lat.		shoreline - 100 fm					
46°16' N. lat. - 40°10' N. lat.		30 fm - 100 fm					
Beginning October 1, 2004, retention of darkblotched rockfish prohibited.							
1	Minor slope rockfish ^{2/}	Per trip, no more than 25% of weight of the sablefish landed					
2	Pacific ocean perch	100 lb/ month					
3	Sablefish	300 lb/ day, or 1 landing per week of up to 900 lb, not to exceed 3,600 lb/ 2 months					
4	Thornyheads	CLOSED ^{5/}					
5	Dover sole	3,000 lb/month, no more than 300 lb of which may be species other than Pacific sanddabs.					
6	Arrowtooth flounder						
7	Petrale sole						
8	Rex sole						
9	All other flatfish ^{3/}						
10	Whiting	300 lb/ month					
11	Minor shelf rockfish, widow and yellowtail rockfish ^{2/}	200 lb/ month					
12	Canary rockfish	CLOSED ^{5/}					
13	Yelloweye rockfish	CLOSED ^{5/}					
14	Minor nearshore rockfish	300 lb/ 2 months, no more than 1,200 lb of which may be species other than black or blue rockfish ^{6/}					
15	Lingcod ^{6/}	CLOSED ^{5/}		300 lb/ month		CLOSED ^{5/}	
16	Other Fish ^{7/}	Not limited					
17	PINK SHRIMP EXEMPTED TRAWL (not subject to RCAs)						
18	North	<p>Effective April 1 - October 31, 2004: groundfish 500 lb/day, multiplied by the number of days of the trip, not to exceed 1,500 lb/trip. The following sublimits also apply and are counted toward the overall 500 lb/day and 1,500 lb/trip groundfish limits: lingcod 300 lb/month (minimum 24 inch size limit); sablefish 2,000 lb/month; canary, thornyheads and yelloweye rockfish are PROHIBITED. All other groundfish species taken are managed under the overall 500 lb/day and 1,500 lb/trip groundfish limits. Landings of these species count toward the per day and per trip groundfish limits and do not have species-specific limits. The amount of groundfish landed may not exceed the amount of pink shrimp landed.</p>					
19	SALMON TROLL						
20	North	<p>Salmon trollers may retain and land up to 1 lb of yellowtail rockfish for every 2 lbs of salmon landed, with a cumulative limit of 200 lb/month, both within and outside of the RCA. This limit is within the 200 lb per month combined limit for minor shelf rockfish, widow rockfish and yellowtail rockfish, and not in addition to that limit. All groundfish species are subject to the open access limits, seasons and RCA restrictions listed in the table above.</p>					

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Table 5 (South). 2004 Trip Limits for Open Access Gears South of 40°10' N. Latitude^{1/}

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

092004

		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)					
Beginning October 1, 2004, retention of darkblotched rockfish prohibited.							
1	Minor slope rockfish ^{2/}	Per trip, no more than 25% of weight of the sablefish landed					
2	40°10' - 38° N. lat.	10,000 lb/ 2 months					
3	South of 38° N. lat.	200 lb/ month					
4	Splitnose	300 lb/ day, or 1 landing per week of up to 900 lb, not to exceed 3,600 lb/ 2 months					
5	Sablefish	350 lb/ day, or 1 landing per week of up to 1,050 lb					
6	40°10' - 36° N. lat.	CLOSED ^{5/}					
7	South of 36° N. lat.	50 lb/ day, no more than 1,000 lb/ 2 months					
8	Thornyheads	3,000 lb/month, no more than 300 lb of which may be species other than Pacific sanddabs. 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 of weight per line are not subject to the RCAs.					
9	40°10' - 34°27' N. lat.						
10	South of 34°27' N. lat.						
11	Dover sole						
12	Arrowtooth flounder						
13	Petrable sole	300 lb/ month					
14	Rex sole	DRAFT					
15	All other flatfish ^{3/}						
16	Whiting	300 lb/ 2 months					
17	Minor shelf rockfish, widow and chilipepper rockfish ^{2/}	CLOSED ^{5/}					
18	40°10' - 34°27' N. lat.	300 lb/ 2 months	CLOSED ^{5/}	200 lb/ 2 months	300 lb/ 2 months		
19	South of 34°27' N. lat.	CLOSED ^{5/}	500 lb/ 2 months				
20	Canary rockfish	CLOSED ^{5/}					
21	Yelloweye rockfish	CLOSED ^{5/}					
22	Cowcod	CLOSED ^{5/}					
23	Bocaccio						
24	40°10' - 34°27' N. lat.	200 lb/ 2 months	CLOSED ^{5/}	100 lb/ 2 months	200 lb/ 2 months		
25	South of 34°27' N. lat.	CLOSED ^{5/}	100 lb/ 2 months				
26	Minor nearshore rockfish						
27	Shallow nearshore						
28	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
29	South of 34°27' N. lat.	CLOSED ^{5/}	300 lb/ 2 months				
30	Deeper nearshore						
31	40°10' - 34°27' N. lat.	500 lb/ 2 months	CLOSED ^{5/}	500 lb/ 2 months	400 lb/ 2 months		500 lb/ 2 months
32	South of 34°27' N. lat.	CLOSED ^{5/}	500 lb/ 2 months	600 lb/ 2 months			400 lb/ 2 months
33	California scorpionfish	CLOSED ^{5/}	300 lb/ 2 months		400 lb/ 2 months		300 lb/ 2 months

Table 5 (South). Continued

34	Lingcod ^{4f}	CLOSED ^{5f}	300 lb/ month, when nearshore open	CLOSED ^{5f}
35	Other Fish ^{6f}		Not limited	
36	PINK SHRIMP EXEMPTED TRAWL GEAR (not subject to RCAs)			
37	South	<p>Effective April 1 - October 31, 2004: Groundfish 500 lb/day, multiplied by the number of days of the trip, not to exceed 1,500 lb/trip. The following sublimits also apply and are counted toward the overall 500 lb/day and 1,500 lb/trip groundfish limits: lingcod 300 lb/ month (minimum 24 inch size limit); sablefish 2,000 lb/ month; canary, thornyheads and yelloweye rockfish are PROHIBITED. Beginning October 1, retention of darkblotched rockfish prohibited. All other groundfish species taken are managed under the overall 500 lb/day and 1,500 lb/trip groundfish limits. Landings of these species count toward the per day and per trip groundfish limits and do not have species-specific limits. The amount of groundfish landed may not exceed the amount of pink shrimp landed.</p>		
38	PRAWN AND, SOUTH OF 38°57'30" N. LAT., CALIFORNIA HALIBUT AND SEA CUCUMBER EXEMPTED TRAWL			
39	EXEMPTED TRAWL Rockfish Conservation Area ^{7f} (RCA):			
40	40°10' - 38° 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)
41	38° - 36° N. lat.			shoreline - 250 fm
42	36° - 34°27' N. lat.			shoreline - 200 fm (additional closure between the shoreline and 10 fm around the Farallon Islands)
43	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
44	<p>Groundfish 300 lb/trip. Trip limits in this table also apply and are counted toward the 300 lb groundfish per trip limit. The amount of groundfish landed may not exceed the amount of the target species landed, except that the amount of spiny dogfish landed may exceed the amount of target species landed. Spiny dogfish are limited by the 300 lb/trip overall groundfish limit. The daily trip limits for sablefish coastwide and thornyheads south of Pt. Conception and the overall groundfish "per trip" limit may not be multiplied by the number of days of the trip. Vessels participating in the California halibut fishery south of 38°57'30" N. lat. are allowed to (1) land up to 100 lb/day of groundfish without the ratio requirement, provided that at least one California halibut is landed and (2) land up to 3,000 lb/month of flatfish, no more than 300 lb of which may be species other than Pacific sanddabs, sand sole, starry flounder, rock sole, curlfin sole, or California scorpionfish (California scorpionfish is also subject to the trip limits and closures in line 33).</p>			