

SCIENTIFIC AND STATISTICAL COMMITTEE REPORT ON
 PRELIMINARY RANGE OF HARVEST LEVELS FOR 2004

The Scientific and Statistical Committee (SSC) reviewed all the materials associated with agenda item B.3 and notes that new results are available for: Pacific ocean perch, widow rockfish, bocaccio, black rockfish, cowcod, yellowtail rockfish, and darkblotched rockfish. Moreover, although the 2004 acceptable biological catches (ABCs) and optimum yields (OYs) of sablefish, shortspine thornyhead, canary rockfish, yelloweye rockfish, and lingcod have also been updated in Table 2.1-1 (see Exhibit B.4, Attachment 1, June 2003), the SSC considers those changes to be routine, because they are based on assessments and rebuilding analyses that have been previously reviewed.

For the seven stocks with new information available, the SSC recommends the Council consider the following ranges for harvest levels in 2004. For the overfished stocks other than cowcod, a range of alternatives is presented that represents the probability of rebuilding the stock by T_{MAX} (i.e., $P = 0.6, 0.7,$ or 0.8), which the SSC views as a policy decision. Where alternative model formulations were developed by the assessment authors and/or the Stock Assessment Review (STAR) Panels, the SSC has narrowed the range to include those models listed here (see SSC statement on agenda item B.3 -- Stock Assessments and Rebuilding Analyses for 2004 Groundfish Management).

Pacific Ocean Perch (POP) (Exhibit B.3, Attachment 2, June 2003; page 7, Table 3):

Model	P = 0.5	P = 0.6	P = 0.7	P = 0.8	comment
Model C	664 mt	555 mt	444 mt	318 mt	full posterior, project with recruits

Widow Rockfish (Exhibit B.3, Attachment 5, June 2003; page 7, Table 4b):

Model	P = 0.5	P = 0.6	P = 0.7	P = 0.8	comment
Model 7248 mt	181 mt	111 mt	30 mt	rec. override, R/S, power = 2	
Model 8354 mt	284 mt	212 mt	123 mt	rec. override, R/S, power = 3 (base)	
Model 9582 mt	501 mt	419 mt	323 mt	rec. override, R/S, power = 4	

Bocaccio (Exhibit B.3, Attachment 8, June 2003; page 5, Tables 1 & 2):

Model	P = .05	P = 0.6	P = 0.7	P = 0.8	comment
STARb2	333 mt	295 mt	250 mt	199 mt	remove sport CPUE
STATc	439 mt	376 mt	306 mt	236 mt	blended model
STARb1	784 mt	710 mt	625 mt	525 mt	remove triennial survey

Black Rockfish (Exhibit B.3, Attachment 10, June 2003; page 31, Table 14):

Model	2004 OY
Low Catch	729 mt
STAR Base	775 mt
High Catch	861 mt

Cowcod (Exhibit B.3, Attachment 12, June 2003):

The cowcod rebuilding review did not involve any modeling *per se*, but reviewed landings statistics in recent years and recalculated trend indices. Consequently, the ABC and OY for the southern and northern areas are simply carried forward from 2003.

Yellowtail Rockfish (Exhibit B.3, Attachment 14, June 2003; page 53, Table 26):

Model	2004 OY
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Base 4,320 mt model updated from prior assessment (see Tagart *et al.* 2000)
Darkblotched Rockfish (Exhibit B.3, Supplemental Attachments 15 & 16 Combined, June 2003;
page 32, Table 15):

Model	P = 0.05	P = 0.6	P = 0.7	P = 0.8	comment
6-1999	222 mt	205 mt	192 mt	172 mt	resample 1983-1999
6-2000	345 mt	321 mt	299 mt	272 mt	resample 1983-2000 (STAR base)
6-2001	439 mt	417 mt	391 mt	364 mt	resample 1983-2001

PFMC
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