Chapter 14
2007 BSAI Other Rockfish
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November 2007

Executive Summary

BSAI Other rockfish full stock assessments are done on years when data are available from the independent research surveys. Although the EBS shelf survey is done on a yearly basis, few rockfish are caught and the biomass, when available, are very uncertain (coefficient of variation has been 0.99). In 2006, calculations of ABC and OFL were modified to reflect the individual natural mortality rates of the two major species in this complex. Therefore, shortspine thornyhead biomass was split from the Other rockfish complex biomass and ABC and OFL were calculated using an M of 0.03. The remainder of the Other rockfish complex biomass used an M of 0.09 which reflected the natural mortality rate of the predominant species (Dusky rockfish). In 2009 Amendment 77 will give the state of Alaska jurisdiction on the management of Dark rockfish (*Sebastes ciliatus*), thus ABC and OFL for 2009 reflects the absence of Dark rockfish in the Other rockfish complex.

Summary of Major Changes

Changes in the input data

1. The 2006 landings have been revised and the 2007 landings through October 12[h], 2006 have been included in the assessment.

Changes in assessment results

2. Previously, dark rockfish were included as one of the "other rockfish" species in the BSAI. However, at its March/April 2007 meeting, the NPFMC took final action to remove dark rockfish from both the BSAI and the GOA Fishery Management Plans for groundfish and to transfer management authority for this species to the State of Alaska. If approved by the Secretary of Commerce, this transfer of authority may take place in early 2008. To prepare for this removal, recommended ABCs and /OFLs are provided for 2008 for the Other Rockfish group, minus dark rockfish (see following table). For comparison, ABCs and OFLs for 2008 that include dark rockfish are also shown.

ABC/OFL recommendations for Other rockfish complex Tier 5 for 2008 (with dark rockfish):

Region	M	Exploitable biomass (mt)	F_{ABC}	ABC (mt)	F_{OFL}	OFL (mt)
BSAI $_{SST}$	**0.03**	**32,811**			**0.03**	984
BSAI $_{Orock}$	**0.09**	**3,859**			**0.09**	347
BSAI $_{Total}$						**1,331**
EBS $_{SST}$	0.03	17,906	0.0225	403		
EBS $_{Orock}$	0.09	161	0.0675	11		
EBS $_{Total}$				**414**		
AI $_{SST}$	0.03	14,905	0.0225	335		
AI $_{Orock}$	0.09	3,698	0.0675	250		
AI $_{Total}$				**585**		

ABC/OFL recommendations for Other rockfish complex Tier 5 for 2009 (without dark rockfish):

Region	M	Exploitable biomass (mt)	F_{ABC}	ABC (mt)	F_{OFL}	OFL (mt)
BSAI $_{SST}$	**0.03**	**32,811**			**0.03**	984
BSAI $_{Orock}$	**0.09**	**3,411**			**0.09**	307
BSAI $_{Total}$						**1,291**
EBS $_{SST}$	0.03	17,906	0.0225	403		
EBS $_{Orock}$	0.09	161	0.0675	11		
EBS $_{Total}$				**414**		
AI $_{SST}$	0.03	14,905	0.0225	335		
AI $_{Orock}$	0.09	3,250	0.0675	219		
AI $_{Total}$				**554**		

Responses to SSC Comments

There are no comments that require a response.

Table 14.1.--Summary of catches (mt) of other rockfish in the eastern Bering Sea and Aleutian Islands regions. Source: NMFS/AK regional website.

	Eastern Bering Sea						Aleutian Islands					
	Domestic						Domestic					
Year	For.	JV	DAP	Total	ABC	OFL	For.	JV	DAP	Total	ABC	OFL
1977*	112	--	--	112			700	--	--	700		
1978*	941	--	--	941			212	--	--	212		
1979*	759	--	--	759			1,039	--	--	1,039		
1980	456	3	--	459			420	--	--	420		
1981	331	--	25	356			328	--	--	328		
1982	262	11	3	276			2,114	--	--	2,114		
1983	212	8	--	220			1,041	4	--	1,045		
1984	121	8	47	176			42	14	--	56		
1985	33	3	56	92			2	14	83	99		
1986	4	12	86	102			Tr	15	154	169		
1987	3	4	467	474			0	6	141	147		
1988	0	8	333	341			0	68	210	278		
1989	0	4	188	192			0	0	481	481		
1990	0	0	418	418			0	0	858	858		
1991	0	0	422	422			0	0	343	343		
1992	0	0	600	600			0	0	664	664		
1993	0	0	192	192			0	0	496	496		
1994	0	0	133	133			0	0	292	292		
1995	0	0	288	288			0	0	219	219		
1996	0	0	170	170			0	0	282	282		
1997	0	0	163	163			0	0	305	305		
1998	0	0	188	188			0	0	364	364		
1999	0	0	135	135			0	0	631	631		
2000	0	0	232	232	369	492	0	0	563	563	685	913
2001	0	0	295	295	361	482	0	0	592	592	676	901
2002	0	0	398	398	361	482	0	0	518	518	676	901
2003†	0	0	293	293	960	1,280	0	0	366	366	634	846
2004†	0	0	289	289	960	1,280	0	0	314	314	634	846
2005†	0	0	157	157	809	1,865	0	0	275	275	590	1,865
2006*	0	0	147	147	414	1,331	0	0	416	416	585	1,331
2007§	0	0	168	168	414	1,313	0	0	404	404	585	1,313

These biomass estimates were revised (2001) to show the catch of those species currently in the other rockfish category.

† Catch estimates updated 2006

* Catch estimate revised 2007

§ Estimated removals through October 12th, 2007

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