

C1 BSAI Crab SAFE and Specifications

Council motion, October 2015

October 8, 2015

The Council moves to accept the BSAI Crab SAFE report and adopts the SSC's recommendations for OFLs and ABCs for snow crab, Tanner crab, Bristol Bay red king crab, Saint Matthew blue king crab, Pribilof Island red king crab and Pribilof Island blue king crab. (attached)

Table 2. SSC recommendations for 2015/16 (stocks 1-6). Values for stocks 7, 8, 9, and 10 were set by the SSC in April and June 2015. Diagonal fill indicates parameters not applicable for that tier. Values are in thousand metric tons (kt).

Chapter	Stock	Tier	Status (a,b,c)	F _{OFL}	B _{MSY} or B _{MSYprox}	Years ¹ (biomass or catch)	2015/16 ^{2 3} MMB	2015 MMB / MMB _{MSY}	γ	Mortality (M)	2015/16 OFL	2015/16 ABC	ABC Buffer
1	EBS snow crab	3	b	1.32	157.8	1979-current [recruitment]	147.2	0.93		0.23 (females) 0.386 (imm) 0.2613 (mat males)	83.1	62.3	25%
2	BB red king crab	3	b	0.27	26.1	1984-current [recruitment]	24.69	0.95		0.18 default Estimated ⁴	6.73	6.06	10%
3	EBS Tanner crab	3	a	0.58	26.8	1982-current [recruitment]	53.7	2.00		0.34 (females), 0.25 (mat males), 0.247 (imm males and females)	27.19	21.75	20%
4	Pribilof Islands red king crab	4	a	0.18	5.65	1991-current	13.7	2.42	1.0	0.18	2.12	1.59	25%
5	Pribilof Islands blue king crab	4	c	0.18	4.1	1980-1984 1990-1997	0.455	0.11	1.0	0.18	0.00116	0.00087	25%
6	St. Matthew Island blue king crab	4	b	0.18	3.72	1978-current	2.45	0.65	1.0	0.18	0.28	0.22	20%
7	Norton Sound red king crab	4	b	0.157	1.9	1980-current [model estimate]	1.68	0.88	1.0	0.18 0.68 (>123 mm)	0.21	0.19	10%
8	AI golden king crab	5				See intro chapter					5.69	4.26	25%
9	Pribilof Island golden king crab	5				See intro chapter					0.09	0.07	25%
10	Adak red king crab	5				1995/96–2007/08					0.05	0.03	40%

¹ For Tiers 3 and 4 where B_{MSY} or B_{MSYprox} is estimable, the years refer to the time period over which the estimate is made. For Tier 5 stocks it is the years upon which the catch average for OFL is obtained.

² MMB as projected for 2/15/2016 at time of mating.

³ Model mature biomass on 7/1/2015

⁴ Additional mortality males, two periods: 1980-1985; 1968-1979 and 1986-2013. Females, three periods: 1980-1984; 1976-1979; 1985-1993 and 1968-1975; 1994-2013. See assessment mortality rates associated with these time periods.