

Table 1. Stock status in relation to status determination criteria for 2019/20 as estimated in May and September 2020. Hatched areas indicate parameters not applicable for that tier. Values are in thousand metric tons (kt).

Chapter	Stock	Tier	MSST ^[1]	B _{MSY} OR B _{MSYproxy}	2019/20 ^[2] MMB	2019/20 MMB / MMB _{MSY}	2019/20 OFL	2019/20 Total catch	Rebuilding Status
1	EBS snow crab	3	56.80	126.10	167.30	1.33	54.90	20.80	
2	BB red king crab	3	12.72	21.20	16.92	0.80	3.40	2.22	
3	EBS Tanner crab	3	18.31	41.07	39.55	0.96	28.86	0.54	
4	Pribilof Islands red king crab	4	0.87	1.73	6.431	3.71	0.864	0.00384	
5	Pribilof Islands blue king crab	4	2.05	4.11	0.386	0.09	0.00116	0.00042	overfished
6	St. Matthew Island blue king crab	4	1.67	3.48	1.08	0.31	0.04	0.001	overfished
7	Norton Sound red king crab	4	1.04	2.06	1.41	0.68	0.11	0.04	
8	AI golden king crab	3	5.909	12.093	16.323	1.35	5.249	3.74	
9	Pribilof Islands golden king crab	5					0.09	Conf.	
10	Western AI red king crab	5					0.06	< 0.001	

^[1] As estimated in the 2020 assessment.

^[2] For stocks 1-6 MMB on 2/15/2018 is estimated using the current assessment in September 2019. For Norton Sound red king crab MMB on 2/1/2018 is estimated using the current assessment in January 2018.

Table 2. SSC recommendations for October 2020. Note that recommendations for stocks 7, 8 represent those final values from the SSC in February and June 2020 while 4,5,9,10 represent the October 2020 assessment. Hatched areas indicate parameters not applicable for that tier. Bold indicates where SSC recommendations differ from Crab Plan Team recommendations. Values are in thousand metric tons (kt).

Chapter	Stock	Tier	Status (a,b,c)	F _{OFL}	B _{MSY} or B _{MSYproxy}	Years ^[1] (biomass or catch)	2020/21 ^[2] MMB	2019/20 MMB / MMB _{MSY}	γ	Mortality (M)	2020/21 ^[3] OFL	2020/21 ABC	ABC Buffer
1	EBS snow crab	3	a	1.6	120.51	1982-2019 [recruitment]	144.29	1.20		0.40 (females) 0.31 (imm) 0.30 (mat males)	95.40	71.55	25%
2	BB red king crab	3	b	0.16	25.40	1984-2019 [recruitment]	14.93	0.59		0.18	2.14	1.61	25%
3	EBS Tanner crab	3	b	0.93	36.62	1982-2019 [recruitment]	35.31	0.96		0.32 (mat females) 0.24 (imm) 0.29 (mat males)	21.13	16.90	20%
4	Pribilof Islands red king crab	4	a	0.21	1.73	2001-present [MMB]	5.37	3.10	1	0.21	0.86	0.65	25%
5	Pribilof Islands blue king crab	4	c		4.11	1980/81-1984/85 & 1990/91-1997/98	0.175	0.04	1	0.18	0.00116	0.00087	25%
6	St. Matthew Island blue king crab	4	b	0.05	3.34	1978-2019 [MMB]	1.12	0.34	1	0.18	0.05	0.04	25%

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7	Norton Sound red king crab	4	b	0.12	2.06	1980-2018 [MMB]	1.41	0.68	1	0.18	0.11	0.09	20%
8	AI golden king crab	3	a	EAG (0.66) WAG (0.60)	11.76	1987/88-2012/13	15.94	1.36		0.21	5.25	3.94	25%
9	Pribilof Islands golden king crab	5				See intro chapter					0.09	0.07	25%
10	Western AI red king crab	5				1995/96-2007/08					0.06	0.01	75%

^[1] For Tiers 3 and 4 where BMSY or BMSYproxy 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 2/1/2019 for Norton Sound red king crab, 2/15/2019 for AIGKC, and 2/15/2020 for other stocks.

^[3] AIGKC OFL and ABC calculated by author outside the chapter for using the Approach 2 combination of EAG and WAG and 25% buffer between OFL and ABC.

Table 3. Maximum permissible ABCs for 2020/21 and SSC recommended ABCs for stocks where the SSC recommendation is below the maximum permissible ABC, as defined by Amendment 38 to the Crab FMP. Values are in thousand metric tons (kt).

Stock	Tier	2020/21 <i>MaxABC</i> ^[2]	2020/21 ABC
EBS Snow Crab	3	94.8	71.55
Bristol Bay RKC	3	2.13	1.61
Tanner Crab	3	20.87	16.9
Pribilof Islands RKC	4	0.857	0.648
Pribilof Islands BKC	4	0.00104	0.00087
Saint Matthew BKC	4	0.05	0.04
Norton Sound RKC	4	0.129	0.1
Aleutian Islands GKC	3	4.773	3.599
Pribilof Islands GKC ^[1]	5	0.092	0.07
Western Aleutian Islands RKC	5	0.56	0.14

^[1] For Pribilof Islands golden king crab, this is for the 2020 calendar year instead of the 2020-2021 crab fishing year.

^[2] For Tier 5 stocks this is 0.90 while all other stocks P*.