

*SUPPLEMENTAL
MATERIALS*

Table 4.1.14. Estimated harvest reductions for all management scenario combinations. Gray boxes indicate the harvest reduction needed for varying probabilities of achieving sustainable harvest. Options 1 through 5 do not meet statutory requirements for achieving sustainable harvest. Beginning with option 6, all remaining options meet or exceed the minimum statutory requirement for achieving sustainable harvest. *Examples of different season closures for options 12 and 18 can be found in Table 4.1.15.

Management Option	Management Measure	2011-2016 Average Harvest Reduction (%)	2016 Harvest Reduction (%)	Management Option	Management Measure	2011-2016 Average Harvest Reduction (%)	2016 Harvest Reduction (%)	
Options 1-5: Do not meet required 50% probability of ending overfished				13	6.5" Mature Female Maximum Size	5.4	4.3	
1	Prohibit Immature Female Harvest	1.1	0.5	14	6.75" Mature Female Maximum Size	4.3	4.4	
2	5" Mature Female Minimum Size	0.9	0.9		December Closure			
3	5" Mature Female Minimum Size Prohibit Immature Female Harvest	2.0	1.4	15	5" Mature Female Minimum Size Reducing Cull Tolerance to Zero	5.0	4.6	
4	6.75" Mature Female Maximum Size	2.3	1.5	16	5.25" Mature Female Minimum Size Prohibit Immature Female Harvest	4.1	4.6	
5	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest	3.4	2.0	17	6.5" Mature Female Maximum Size Prohibit Immature Female Harvest	6.4	4.8	
Reduction with a 50% probability of ending overfished			2.2					
6	December Closure	2.0	2.9	18*	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest December Closure	5.3	4.8	
7	Prohibit Immature Female Harvest December Closure	3.1	3.4	19	5" Mature Female Minimum Size Prohibit Immature Female Harvest Reducing Cull Tolerance to Zero	5.9	4.9	
8	Reducing Cull Tolerance to Zero	4.1	3.7					
Reduction with a 67% probability of ending overfished			3.8					
9	5" Mature Female Minimum Size December Closure	2.9	3.8	20	6.75" Mature Female Maximum Size Reducing Cull Tolerance to Zero	6.3	5.1	
10	Prohibit Immature Female Harvest Reducing Cull Tolerance to Zero	5.1	4.1	21	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest Reducing Cull Tolerance to Zero	7.2	5.5	
11	5.25" Mature Female Minimum Size	3.0	4.1	Reduction with a 90% probability of ending overfished				5.9
12*	5" Mature Female Minimum Size Prohibit Immature Female Harvest December Closure	4.0	4.3	22	Reducing Cull Tolerance to Zero December Closure	6.0	6.5	

Table 4.1.14. continued...

Management Option	Management Measure	2011-2016 Average Harvest Reduction (%)	2016 Harvest Reduction (%)	Management Option	Management Measure	2011-2016 Average Harvest Reduction (%)	2016 Harvest Reduction (%)
23	Prohibit Immature Female Harvest December Closure Reducing Cull Tolerance to Zero	7.0	6.9	33	5.25" Mature Female Minimum Size Prohibit Immature Female Harvest Reducing Cull Tolerance to Zero	7.9	8.0
24	5.25" Mature Female Minimum Size December Closure	4.9	6.9	34	6.5" Mature Female Maximum Size Prohibit Immature Female Harvest Reducing Cull Tolerance to Zero	10.2	8.2
25	6.5" Mature Female Maximum Size December Closure	7.3	7.1	35	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest Reducing Cull Tolerance to Zero December Closure	9.1	8.3
26	5" Mature Female Minimum Size December Closure Reducing Cull Tolerance to Zero	6.9	7.3				
					Reduction with a 96% probability of ending overfished		9.3
27	5.25" Mature Female Minimum Size Prohibit Immature Female Harvest December Closure	6.0	7.3	36	5.25" Mature Female Minimum Size December Closure Reducing Cull Tolerance to Zero	8.8	10.3
28	6.5" Mature Female Maximum Size Prohibit Immature Female Harvest December Closure	8.3	7.5	37	6.5" Mature Female Maximum Size December Closure Reducing Cull Tolerance to Zero	11.1	10.5
29	5.25" Mature Female Minimum Size Reducing Cull Tolerance to Zero	7.0	7.6	38	5.25" Mature Female Minimum Size Prohibit Immature Female Harvest Reducing Cull Tolerance to Zero December Closure	9.7	10.7
30	5" Mature Female Minimum Size Prohibit Immature Female Harvest Reducing Cull Tolerance to Zero December Closure	7.8	7.7	39	6.5" Mature Female Maximum Size Prohibit Immature Female Harvest Reducing Cull Tolerance to Zero December Closure	12.0	10.9
31	6.5" Mature Female Maximum Size Reducing Cull Tolerance to Zero	9.3	7.8				
32	6.75" Mature Female Maximum Size December Closure Reducing Cull Tolerance to Zero	8.2	7.9				

Table 4.1.15. Estimated harvest reductions for management options 12 and 18 from Table 4.1.14 with various closure periods requested by the Blue Crab FMP AC.

Management Option	Management Measure	2011-2016 Average Harvest Reduction (%)	2016 Harvest Reduction (%)	Management Option	Management Measure	2011-2016 Average Harvest Reduction (%)	2016 Harvest Reduction (%)
Option 12.1: Does not meet required 50% probability of ending overfished				Option 18.1: Does not meet required 50% probability of ending overfished			
12.1	5" Mature Female Minimum Size Prohibit Immature Female Harvest January 15 - February 7 Closure	2.2	1.5	18.1	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest January 15 - February 7 Closure	3.5	2.1
Reduction with a 50% probability of ending overfished				Reduction with a 50% probability of ending overfished			
12.2	5" Mature Female Minimum Size Prohibit Immature Female Harvest January 1 - January 31 Closure	2.4	2.3	18.2	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest January 1 - January 31 Closure	3.7	2.9
12.3	5" Mature Female Minimum Size Prohibit Immature Female Harvest January 1 - February 28/29 Closure	2.9	2.7	18.3 (AC) Prohibit Immature Female Harvest Jan. 1 - Jan. 31 Closure North of Hwy 58 Bridge March 1 - March 15 Closure South of Hwy 58 Bridge 6.75" Mature Female Max. Size North of Hwy 58 Bridge		3.7	3.2
12.4	5" Mature Female Minimum Size Prohibit Immature Female Harvest March 16 - March 31 Closure	3.4	3.7			18.4	Prohibit Immature Female Harvest Jan. 1 - Jan. 31 Closure North of Hwy 58 Bridge Feb. 20 - March 15 Closure South of Hwy 58 Bridge 6.75" Mature Female Max. Size North of Hwy 58 Bridge
Reduction with a 67% probability of ending overfished				Reduction with a 67% probability of ending overfished			
12.5	5" Mature Female Minimum Size Prohibit Immature Female Harvest March 1 - March 15 Closure	3.2	4.0	18.5	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest January 1 - February 28/29 Closure	4.2	3.3
12.6	5" Mature Female Minimum Size Prohibit Immature Female Harvest March 1 - March 24 Closure	4.1	5.4	Reduction with a 67% probability of ending overfished			
12.7	5" Mature Female Minimum Size Prohibit Immature Female Harvest March 8 - March 31 Closure	4.2	5.6	18.6	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest March 16 - March 31 Closure	4.7	4.3
Reduction with a 90% probability of ending overfished				Reduction with a 90% probability of ending overfished			
12.8 (NCDMF)	5" Mature Female Minimum Size Prohibit Immature Female Harvest March 1 - March 31 Closure	4.6	6.3	18.7	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest March 1 - March 15 Closure	4.6	4.5
Reduction with a 90% probability of ending overfished				Reduction with a 90% probability of ending overfished			
				18.8	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest March 1 - March 24 Closure	5.4	6.0
				18.9	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest March 8 - March 31 Closure	5.5	6.2
				18.10	6.75" Mature Female Maximum Size Prohibit Immature Female Harvest March 1 - March 31 Closure	5.9	6.9