

16. Assessment of the Other Rockfish stock complex in the Gulf of Alaska [2017]

Cindy A. Tribuzio, Karson Coutré and Katy B. Echave
Alaska Fisheries Science Center
National Marine Fisheries Service

[NOTE: In accordance with the approved assessment schedule, no stock assessment was conducted for this stock this year, however, a full stock assessment will be conducted in 2019. Until then, the values generated from the previous stock assessment (below) will be rolled over for 2019 specifications]

Summary of Results

Tier 4 recommendation of ABC and OFL for sharpchin rockfish.

Quantity	As estimated or specified last year for:		As estimated or recommended this year for:	
	2017	2018	2019	2020
<i>M</i> (natural mortality rate)	0.06	0.06	0.06	0.06
Tier	4	4	4	4
Biomass (t)	35,083	35,083	12,583	12,583
$F_{OFL} = F_{35\%}$	0.079	0.079	0.079	0.079
$maxF_{ABC} = F_{40\%}$	0.065	0.065	0.065	0.065
$F_{ABC} = F_{40\%}$	0.065	0.065	0.065	0.065
OFL (t)	2,772	2,772	994	994
maxABC (t)	2,280	2,280	818	818
ABC (t)	2,280	2,280	818	818
Status	As determined last year for:		As determined this year for:	
	2015	2016	2016	2017
Overfishing		n/a		n/a

Tier 5 recommendation of ABC and OFL for 17 Other Rockfish species.

Quantity	As estimated or specified last year for:		As estimated or recommended this year for:	
	2017	2018	2019	2020
<i>M</i> (natural mortality rate)	0.02-0.10	0.02-0.10	0.073	0.073
Tier	5	5	5	5
Biomass (t)	69,743	69,743	83,524	83,524
F_{OFL}	0.02-0.10	0.02-0.10	0.073	0.073
$maxF_{ABC}$	0.0015-0.0750	0.0015-0.0750	0.055	0.055
F_{ABC}	0.0015-0.0750	0.0015-0.0750	0.055	0.055
OFL (t)	4,482	4,482	6,097	6,097
maxABC (t)	3,362	3,362	4,573	4,573
ABC (t)	3,362	3,362	4,573	4,573
Status	As determined last year for:		As determined this year for:	
	2015	2016	2016	2017
Overfishing		n/a		n/a

Tier 6 recommendation of ABC and OFL for seven Other Rockfish species.

Quantity	As estimated or <i>specified last year for:</i>		As estimated or <i>recommended this year for:</i>	
	2017	2018	2019	2020
Tier	6	6	6	6
OFL (t)	170	170	265	265
maxABC (t)	127	127	199	199
ABC (t)	127	127	199	199
Status	As determined <i>last year for:</i>		As determined <i>this year for:</i>	
	2015	2016	2016	2017
Overfishing		n/a		n/a

ABC and OFL recommendations for the full Other Rockfish complex.

All OR Combined	As estimated or <i>specified last year for:</i>		As estimated or <i>recommended this year for:</i>	
	2017	2018	2019	2020
Tier	4/5/6	4/5/6	4/5/6	4/5/6
OFL (t)	7,424	7,424	7,356	7,356
maxABC (t)	5,769	5,769	5,590	5,590
ABC (t)	5,769	5,769	5,590	5,590
Status	As determined <i>last year for:</i>		As determined <i>this year for:</i>	
	2015	2016	2016	2017
Overfishing		n/a		n/a