

19. Assessment of the Sculpin stock complex in the Gulf of Alaska

[2017]

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[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 2021. Until then, the values generated from the previous stock assessment (below) will be rolled over for 2019 specifications]

Summary of Results

Quantity	As estimated or <i>specified last year for:</i>		As estimated or <i>recommended this year for:</i>	
	2017	2018	2019	2020
M (natural mortality rate) ¹	0.21	0.21	0.21	0.21
Tier	5	5	5	5
Biomass (t)	34,943	34,943	33,134	33,134
F_{OFL}	0.21	0.21	0.21	0.21
$maxF_{ABC}$	0.16	0.16	0.16	0.16
F_{ABC}	0.16	0.16	0.16	0.16
OFL (t)	7,338	7,338	6,958	6,958
maxABC (t)	5,591	5,591	5,301	5,301
ABC (t)	5,591	5,591	5,301	5,301
Status	As determined <i>last year for:</i>		As determined <i>this year for:</i>	
	2015	2016	2016	2017
Overfishing	No	n/a	No	n/a

¹ This is a sculpin complex average mortality rate, a biomass-weighted average of the instantaneous natural mortality rates for the four most abundant sculpins in the GOA: bigmouth (*Hemitripterus bolini*), great (*Myoxocephalus polyacanthocephalus*), plain (*Myoxocephalus jaok*), and yellow Irish lord (*Hemilepidotus jordani*).