

15. Assessment of the Thornyhead stock complex in the Gulf of Alaska

[2018]

Katy B. Echave and Peter-John F. Hulson
Alaska Fisheries Science Center
National Marine Fisheries Service

[NOTE: In accordance with the approved schedule, no assessment was conducted for this stock this year, however, a full stock assessment will be conducted in 2020. Until then, the values generated from the previous stock assessment (below) will be rolled over for 2020 specifications]

Summary of Results

Quantity	As estimated or specified last year for:		As estimated or recommended this year for:	
	2018	2019	2019	2020
<i>M</i> (natural mortality rate)	0.03	0.03	0.03	0.03
Tier	5	5	5	5
Biomass (t)	90,570	90,570	89,609	89,609
<i>F</i> _{OFL}	<i>F</i> = <i>M</i> =0.03	<i>F</i> = <i>M</i> =0.03	<i>F</i> = <i>M</i> =0.03	<i>F</i> = <i>M</i> =0.03
<i>maxF</i> _{ABC}	0.75 <i>M</i> =0.0225	0.75 <i>M</i> =0.0225	0.75 <i>M</i> =0.0225	0.75 <i>M</i> =0.0225
<i>F</i> _{ABC}	0.0225	0.0225	0.0225	0.0225
OFL (t)	2,717	2,717	2,688	2,688
maxABC (t)	2,038	2,038	2,016	2,016
ABC(t)	2,038	2,038	2,016	2,016
Status	As determined last year for:		As determined this year for:	
	2016	2017	2017	2018
Overfishing	No	n/a	No	n/a