

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

[2020]

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 2022. Until then, the values generated from the previous stock assessment (below) will be rolled over for 2022 specifications]

## Summary of Results

Quantity	As estimated or specified last year for:		As estimated or recommended this year for:	
	2020	2021	2021	2022
<i>M</i> (natural mortality rate)	0.03	0.03	0.03	0.03
Tier	5	5	5	5
Biomass (t)	89,609	89,609	86,802	86,802
<i>F</i> <sub>OFL</sub>	<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> <sub>ABC</sub>	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> <sub>ABC</sub>	0.0225	0.0225	0.0225	0.0225
OFL (t)	2,688	2,688	<b>2,604</b>	2,604
maxABC (t)	2,016	2,016	1,953	1,953
ABC(t)	2,016	2,016	<b>1,953</b>	1,953
Status	As determined last year for:		As determined this year for:	
	2018	2019	2019	2020
Overfishing	No	n/a	No	n/a