BSAI Flathead Sole and Bering Flounder Complex
Partial Assessment
(Full assessment scheduled for 2020)

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Executive Summary

- Projection model for BSAI flathead and Bering flounder using output from age-structured model

- Used age 3 recruits

- 2019 catch estimated as 2019 current catch up to Oct 19 + 5-yr average Oct 19-Dec 31 catch

- 2020-2021 catch estimated as 2014-2018 average catch

- AKFIN reports catches at the complex level

- Proportion of each species found in the observer data in each year are used to estimate catch by species

Quantity	As estimated or *specified last* year for:		As estimated or *recommended this* year for:	
	2019	2020	2020*	2021*
M (natural mortality rate)	0.2	0.2	0.2	0.2
Tier	3a	3a	3a	3a
Projected total (3+) biomass (t)	673,718	686,431	684,768	692,915
Projected female spawning biomass (t)	153,203	155,032	154,195	160,864
$B_{100\%}$	212,060	212,060	212,060	212,060
$B_{40\%}$	84,824	84,824	84,824	84,824
$B_{35\%}$	74,221	74,221	74,221	74,221
F_{OFL}	0.47	0.47	0.47	0.47
$maxF_{ABC}$	0.38	0.38	0.38	0.38
F_{ABC}	0.38	0.38	0.38	0.38
OFL (t)	80,918	83,190	82,810	86,432
maxABC (t)	66,625	68,448	68,134	71,079
ABC (t)	66,625	68,448	68,134	71,079
Status	As determined *last* year for:		As determined *this* year for:	
	2017	2018	2018	2019
Overfishing	no	n/a	no	n/a
Overfished	n/a	no	n/a	no
Approaching overfished	n/a	no	n/a	no

- Survey biomass in 2019 was 594,348 t, up by 22% from 2018