

BSAI flathead sole complex

Carey McGilliard and Dan Nichol

Partial Assessment

November 2017

Executive Summary Table

- Projection model used output from age-structured model
- Used age 3 recruits
- 2017 catch estimated as 2017 current catch up to Oct 8 + 5-yr average Oct 8-Dec 31 catch
- 2018-2019 catch estimated as 2012-2016 average catch

Quantity	As estimated or <i>specified last year for:</i>		As estimated or <i>recommended this year for:</i>	
	2017	2018	2018*	2019*
M (natural mortality rate)	0.2	0.2	0.2	0.2
Tier	3a	3a	3a	3a
Projected total (3+) biomass (t)	747,557	758,543	762,513	777,961
Projected Female spawning biomass (t)	223,469	206,029	214,124	205,156
$B_{100\%}$	322,938	322,938	322,938	322,938
$B_{40\%}$	129,175	129,175	129,175	129,175
$B_{35\%}$	113,028	113,028	113,028	113,028
F_{OFL}	0.41	0.41	0.41	0.41
$maxF_{ABC}$	0.34	0.34	0.34	0.34
F_{ABC}	0.34	0.34	0.34	0.34
OFL (t)	81,654	79,136	79,862	78,036
maxABC (t)	68,278	66,164	66,773	65,227
ABC (t)	68,278	66,164	66,773	65,227
Status	As determined in 2016 for:		As determined in 2017 for:	
	2015	2016	2016	2017
Overfishing	no	n/a	no	n/a
Overfished	n/a	no	n/a	no
Approaching overfished	n/a	no	n/a	no

Catch and survey biomass

