GOA Flathead Sole Partial Assessment

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Executive summary

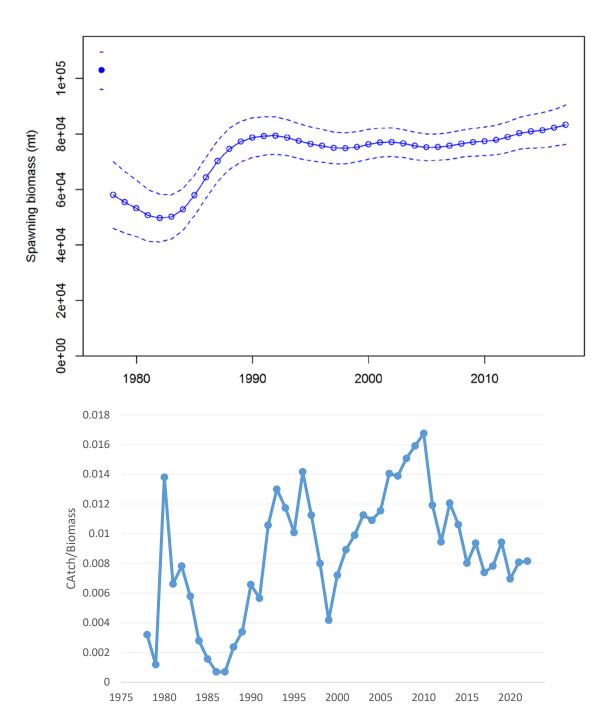
Catches used for projections: 1,965 t for 2020 2,269 t for 2021 2,269 t for 2022

2021 recommended ABC is 3.1% decrease from 2020 ABC

	As estimated or		As estimated or	
Quantity	specified	d last year for:	recommended this year	
	2020	2021	2021*	2022*
M (natural mortality rate)	0.2	0.2	0.2	0.2
Tier	3a	3a	3a	3a
Projected total (3+) biomass (t)	282,371	280,730	280,980	278,418
Projected Female spawning biomass (t)	92,467	95,216	95,338	96,833
B 100%	91,551	91,551	91,551	91,551
B 40%	36,620	36,620	36,620	36,620
B 359%	32,043	32,043	32,043	32,043
F _{OFL}	0.36	0.36	0.36	0.36
$maxF_{ABC}$	0.28	0.28	0.28	0.28
F _{ABC}	0.28	0.28	0.28	0.28
OFL (t)	46,572	47,919	47,982	48,534
maxABC (t)	38,196	39,326	39,377	39,851
ABC (t)	38,196	39,326	39,377	39,851
Status	As determined last year		As determined this year	
Status	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

Spawning biomass (from 2017 assessment) is increasing

Exploitation is consistently low



3

Apportionment

- Area apportionment calculated from random effects model estimates by area
- No survey in 2020 so no change in apportionment percentages

Quantity	Western	Central	West Yakutat	Southeast	Total
Area Apportionment	36.08%	52.89%	6.16%	4.86%	100.00%
2021 ABC (t)	14,209	20,826	2,427	1,915	39,377
2022 ABC (t)	14,380	21,076	2,456	1,938	39,851