Science, Service, Stewardship



## Gulf of Alaska Arrowtooth Flounder

Ingrid Spies November 15, 2016 NOAA FISHERIES SERVICE

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DORAR THOSPHERIC TO MUSIC

	As estin		*As estimated or	
	specified la	•	recommended this year for:	
	2016	2017	2017	2018
Quantity				
M (natural mortality rate)**	0.35, 0.2	0.35, 0.2	0.35, 0.2	0.35, 0.2
Tier	3a	3a	3a	3a
Projected total (age 1+) biomass (t)	2,103,860	2,083,450	2,103,090	2,079,029
Projected Female spawning	1,175,240	1,157,520	1,174,400	1,154,310
$B_{100\%}$	992,272	992,272	992,272	992,272
$B_{40\%}$	396,909	396,909	396,909	396,909
$B_{35\%}$	347,295	347,295	347,295	347,295
$F_{OFL}$	0.204	0.204	0.204	0.204
$maxF_{ABC}$	0.171	0.171	0.171	0.171
$F_{ABC}$	0.171	0.171	0.171	0.171
OFL (t)	219,430	196,714	219,327	196,635
maxABC (t)	186,188	189,332	186,093	188,867
ABC (t)	186,188	189,332	186,093	188,867
	As determined <i>last</i> year for:		As determined <i>this</i> year for:	
Status	2014	2015	2015	2016
Overfishing	no	n/a	no	n/a
Overfished	n/a	no	n/a	no
Approaching overfished	n/a	no	n/a	no



	Western	Central	West Yakutat	East Yakutat/SE	Total
2015 Area Apportionment	15.1%	58.0%	20.1%	6.8%	100%
2017 ABC (t)	28,100	107,934	37,405	12,654	186,093
2018 ABC (t)	28,519	109,543	37,962	12,843	188,867



The final catch for 2016 was estimated by adding the average catch between October 21 and December 31 from the previous four years (2012-2015) to the 2016 catch through October 21, for a total of 21,080 t. The 2017 catch was estimated as the average catch over the past five years (2012-2016, utilizing the full year's catch estimate for 2016), 23,720 t.