



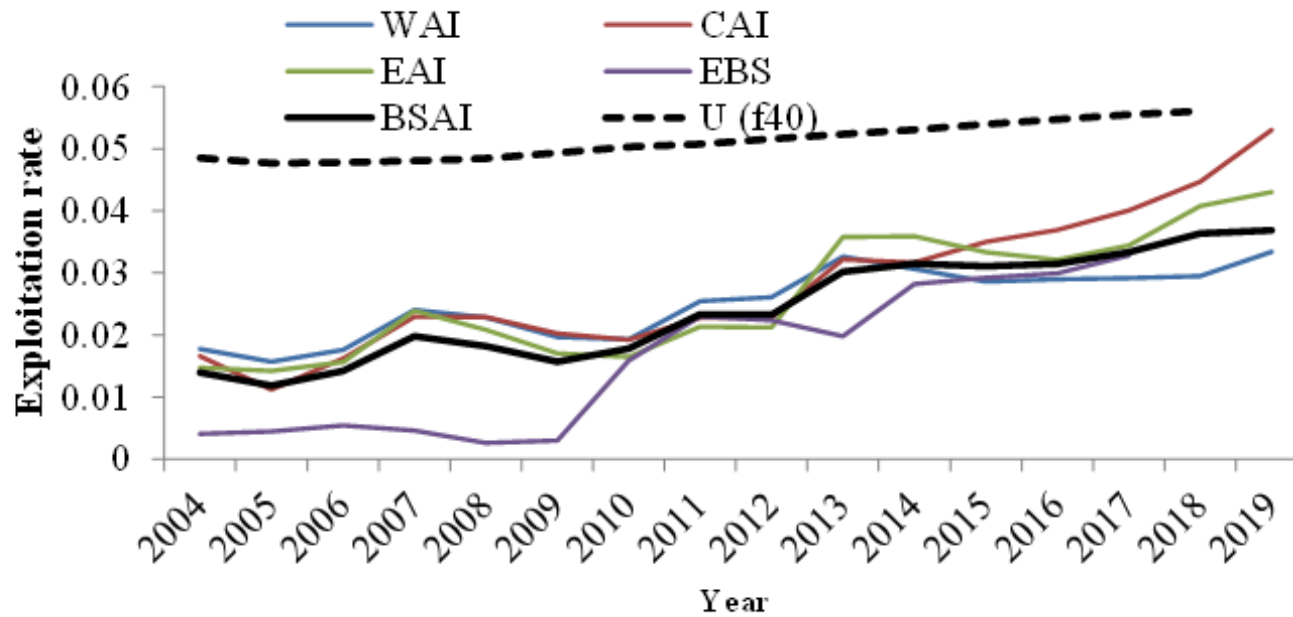
NOAA
FISHERIES

2019 BSAI Pacific ocean perch (partial) assessment

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Exploitation rates



Management recommendations

Quantity	As estimated or specified last year for:		As estimated or recommended this year for:	
	2019	2020	2020*	2021*
<i>M</i> (natural mortality rate)	0.056	0.056	0.056	0.056
Tier	3a	3a	3a	3a
Projected total (age 3+) biomass	934,293	914,577	908,529	885,439
Female spawning biomass (t)				
Projected	399,024	386,835	383,178	367,062
<i>B</i> _{100%}	645,738	645,738	645,738	645,738
<i>B</i> _{40%}	258,295	258,295	258,295	258,295
<i>B</i> _{35%}	226,008	226,008	226,008	226,008
<i>F</i> _{OFL}	0.095	0.095	0.095	0.095
<i>maxF</i> _{ABC}	0.079	0.079	0.079	0.079
<i>F</i> _{ABC}	0.079	0.079	0.079	0.079
OFL (t)	61,067	59,396	58,956	56,589
maxABC (t)	50,594	49,211	48,846	46,885
ABC (t)	50,594	49,211	48,846	46,885
Status	As determined last year		As determined this year	
	2017	2018	2018	2019
Overfishing	No	n/a	No	n/a
Overfished	n/a		n/a	No
Approaching overfished	n/a		n/a	No

*Projections are based on estimated catches of 39,938 t and 38,334 t used in place of maximum permissible ABC for 2020 and 2021.

Recommended 2020 BSAI ABC and OFLs

ABC: 48,846 t (3% decrease from 2019 value of 50,594 t)

OFL: 58,956 t (3% decrease from 2019 value of 61,067 t)