

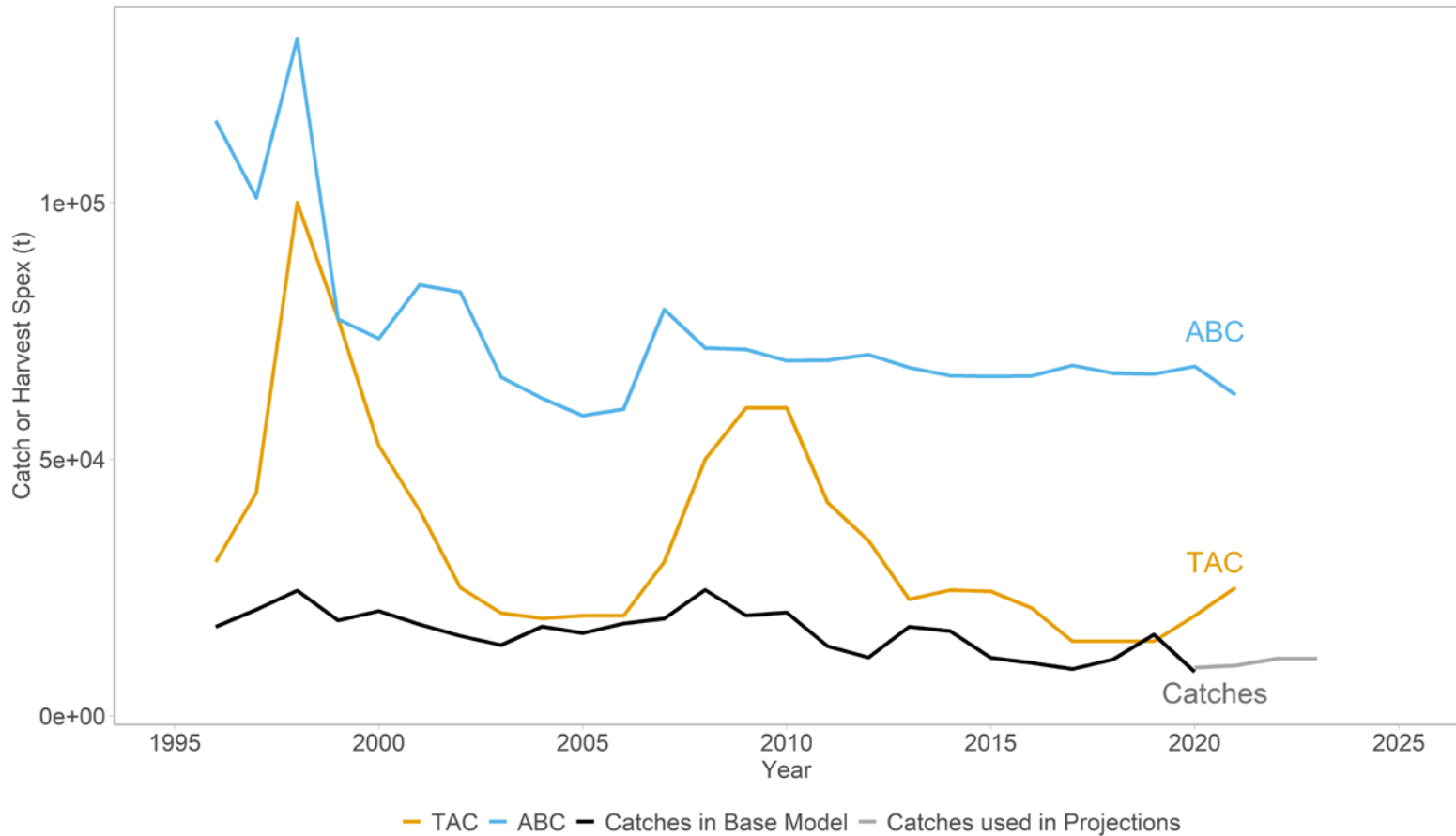
BSAI FLATHEAD SOLE PARTIAL UPDATE

MAIA SOSA KAPUR – 18 NOV 2021

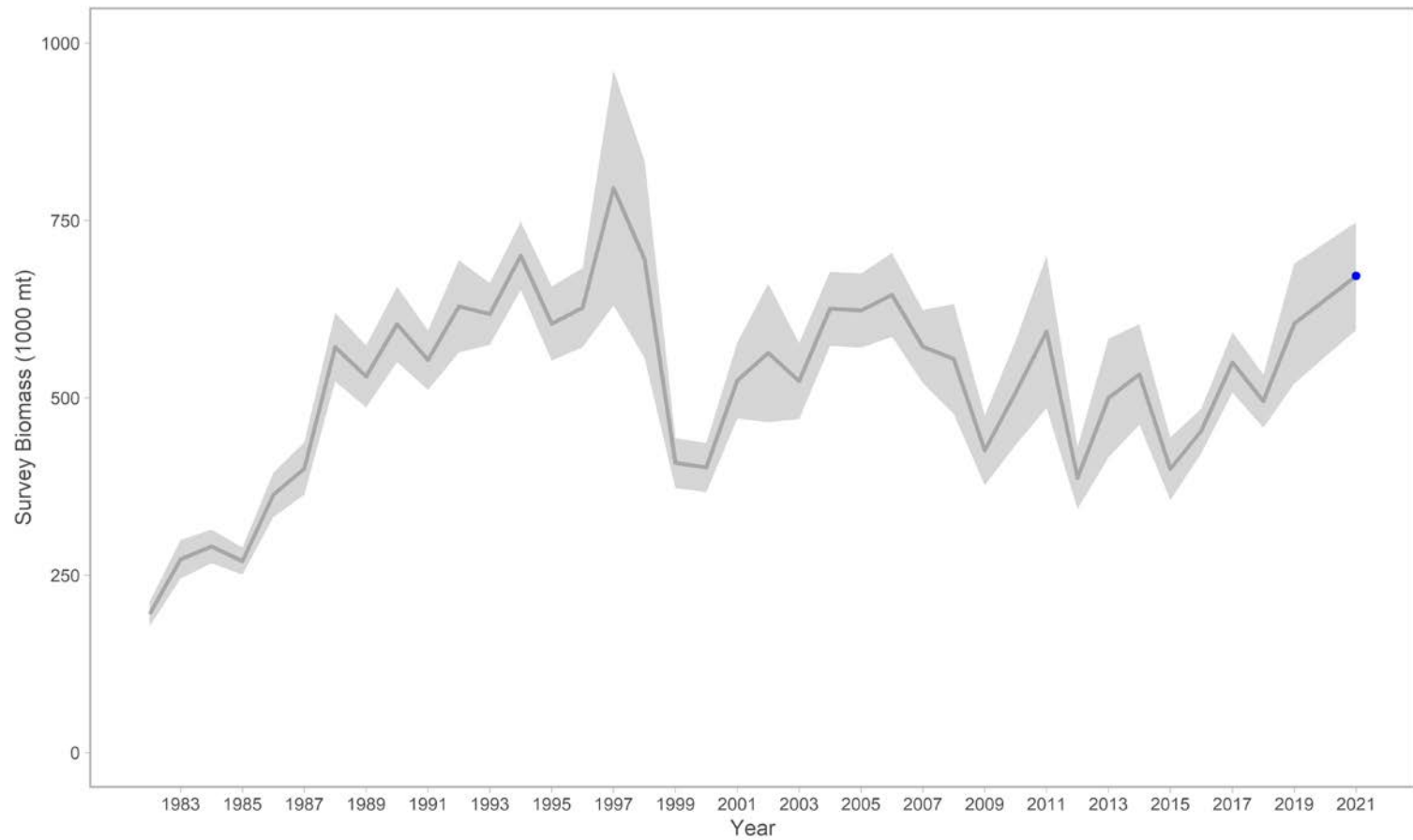
MAIA.KAPUR@NOAA.GOV



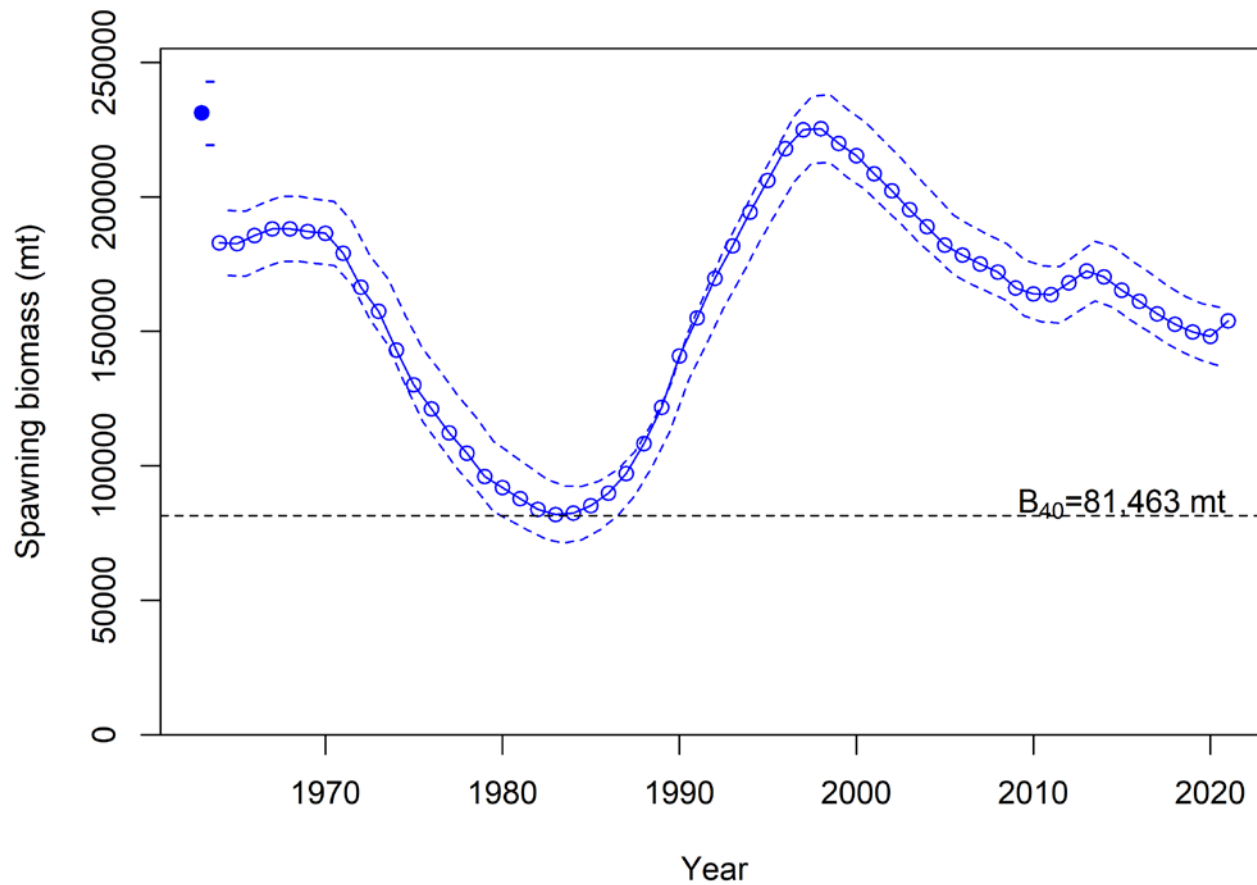
CATCHES ~75% OF TAC IN RECENT DECADE



SURVEY BIOMASS INCREASING



SSB HIGH AND STABLE



Quantity	As estimated or specified last year for:		As estimated or recommended this year for:	
	2021	2022	2022	2023
M (natural mortality rate)	0.2	0.2	0.2	0.2
Tier	3a	3a	3a	3a
Projected total (3+) biomass (t)	602,497	608,576	608,631	612,001
Projected Female spawning biomass (t)	150,433	154,906	155,379	160,748
B _{100%}	203,658	203,658	203,658	203,658
B _{40%}	81,463	81,463	81,463	81,463
B _{35%}	71,280	71,280	71,280	71,280
F _{OFL}	0.46	0.46	0.46	0.46
maxF _{ABC}	0.37	0.37	0.37	0.37
F _{ABC}	0.37	0.37	0.37	0.37
OFL (t)	75,863	77,763	77,967	80,034
maxABC (t)	62,567	64,119	64,288	65,988
ABC (t)	62,567	64,119	64,288	65,988
Status	As determined <i>last</i> year for:		As determined <i>this</i> year for:	
	2019	2020	2020	2021
Overfishing	no	n/a	no	n/a
Overfished	n/a	no	n/a	no
Approaching overfished	n/a	no	n/a	no



NEXT FULL ASSESSMENT

- Explore enabling recruitment devs in recent period (<5y)
- Explore summary biomass cutoff
- Method for combining BS/AI survey data
- Potential catchability/temperature relationship via VAST
- Continued cleanup of data inputs, ghost fleets

