



***Mackerel
Rebuilding v2
Day 2 (wrap-up)***

September 2021

Next Steps

- Review SSC recommendations, confirm desired rebuilding option alternatives with Council (October)
- Build out framework document
- SSC confirms ABCs for various rebuilding options at March 2022 meeting
- Final Council action in April 2022
- Implementation Jan 1, 2023

Possible Alternatives Range

Run ID (Alternatives?)	Name	Recruitment	CV	Probability Rebuild by 2032	F(s)	Rebuild Date	Notes
1	2009+ Rebuild	2009+	na	50%/Median	0.01	2032	Just median since catch will be low (Confirm with Council) Total catches start 645, end 1,675 (lowest)
2	2009+ standard P*	2009+	150	?	vary	2032+x?	Standard P*, Buffered from MSY
3	Split standard P*	Split based on 1/2 Bmsy	150	?	vary	2032-y?	Standard P*, Buffered from MSY
4	Split 50% rebuild	Split based on 1/2 Bmsy	na	50%/Median	0.14	2032	MSA minimum Total catches start 8,599, end 21,971 (highest)
5	Split 50% rebuild minus P*	Split based on 1/2 Bmsy	150	?	vary	2032-z?	Bluefish example
6	Split 60% rebuild	Split based on 1/2 Bmsy	na	60%	?	2032 (median will be sooner)	Council request
7	Split 75% rebuild	Split based on 1/2 Bmsy	na	75%	0.07	2032 (median will be sooner)	Council request

FYI with current MSY, prelim ABC of stock at rebuilding target (SSBmsy) with risk policy + 150% CV = 29,754 MT