

MSE tool

1. Change Size Limit

- On Procedure B, change size limit to 30 inches
- Please report on: Yield, Spawning biomass, Waste and Landed Value
 - How do these variables change when compared to Procedure A? Increase, decrease, stay the same?

2. Change Size Limit and Target Smaller Fish

- On Procedure B, change size limit to 30 inches
- On Procedure B, change Directed Fishery selectivity 50% and 95% to 28in and 38in.

- Please report on: Yield, Spawning biomass, Waste and Landed Value
 - How do these variables change when compared to Procedure A? Increase, decrease, stay the same?
 - Look at the selectivity plots, how do they compare?

3. Reduce PSC by 17% and implement excluders (select smaller fish)

- On Procedure B - Bycatch Controls, change Bycatch Mlb to 32 Mlb
- On Procedure B - Bycatch Controls, change Bycatch Ascending selectivity 50% and 95% to 15in and 30in.
- On Procedure B - Bycatch Controls, change Bycatch Descending selectivity 50% and 95% to 40in and 60in. - This will simulate the effect of implementing an excluder.
- Please report on: Yield, Spawning biomass, Waste and Landed Value
 - How do these variables change when compared to Procedure A? Increase, decrease, stay the same?
 - Look at the selectivity plots, how do they compare?

4. Reduce PSC by 17% and implement deck sorting (lower Discard Mortality Rate)

- On Procedure B - Bycatch Controls, change Bycatch MIb to 32 MIb
- On Procedure A - Bycatch Controls, change Bycatch Discard Mortality Rate to 0.26
- On Procedure B - Bycatch Controls, change Bycatch Discard Mortality Rate to 0.13
- On Procedure B - Bycatch Controls, change Bycatch MIb to 64 MIb - Bring up bycatch mortality to PSC limit
- Please report on: Yield, Spawning biomass, Waste and Landed Value
 - How do these variables change when compared to Procedure A? Increase, decrease, stay the same?