Management Procedures

Summary of the seven different management procedures tested as part of the EAFM recreational summer flounder MSE. Each MP is labeled with the shorthand used in the display of model results.

Management Procedure ID	Procedure Explanation
Status quo	**Status Quo:** 2019 recreational summer flounder regulations for each state
Minsize-1	**Status quo regions, modified size:** 2019 regulations but a 1 inch decrease in minimum size within each state to a minimum of 16 inches
Season	**Status quo regions, modified season:** 2019 regulations but season of April 1 - Oct 31 for all states
Region	**Modified regions:** MA-NY - 5 fish, 18 inch min, May 1 - Sept 31 NJ - 3 fish, 17 inch minimum, May 1 - Sept 31 DE-NC - 3 fish, 16 inch minimum, May 1 - Sept 31
3@17	**Coastwide measures:** 3 fish possession limit, 17 inch minimum size, May 1 - Sept 30
1@16-19	**Modified slot:** 1 fish from 16 inches - 19 inches, 2 fish 19 inches and greater, May 1 - Sept 30
Slot	**True slot limit:** 3 fish possession limit between 16 inches and 20 inches, May 1 - Sept 30

Performance Metrics

Summary of the suite of performance metrics calculated for the recreational summer flounder MSE and included on this page. Each performance metric is labeled with the shorthand used to display the model results. (Note: additional performance metrics were calculated but not included in the summary figures – for example, the average number of harvested fish per trip. Please see the final report for additional metrics and associated results.)

Performance Metric	Metric Explanation
keep_one	Percent of trips that harvested one summer flounder
cs_per_trip	Consumer surplus* per trip
trophy	Percent of trips harvesting a trophy summer flounder (> 28 inches)
kept_per_trip_mp1	Number of summer flounder kept per trip relative to the status quo management procedure (MP #1)
keep_one_mp1	Percent of trips that harvested one summer flounder relative to the status quo management procedure (MP #1)
kept:rel_mp1	Ratio of harvested to discarded summer flounder (retention rate) relative to the status quo management procedure (MP #1)
not overfished	Percent chance the stock is not overfished
not overfishing	Percent chance that overfishing is not occurring
ssb_mp1	Total spawning stock biomass (mature male and female) relative to the status quo management procedure (MP #1)
rel_per_trip_mp1	Number of released summer flounder per trip relative to the status quo management procedure (MP #1)
rec_removals_mp1	Total recreational summer flounder removals (harvest and dead discards) relative to the status quo management procedure
prop_female	Percent of the recreational summer flounder harvest that are female
ntrips_mp1	Total number of recreational summer flounder fishing trips relative to the status quo management procedure (MP #1)
change_cs	Relative change in consumer surplus* across all states
mulen_keep	Mean length (inches) of recreationally harvested summer flounder
mulen_release	Mean length (inches) of recreationally discarded summer flounder
ntrips	Total number of recreational summer flounder trips

* Consumer surplus is a measure of the amount of money anglers would be willing to pay to see a management scenario implemented. An economic calculation of angler satisfaction.