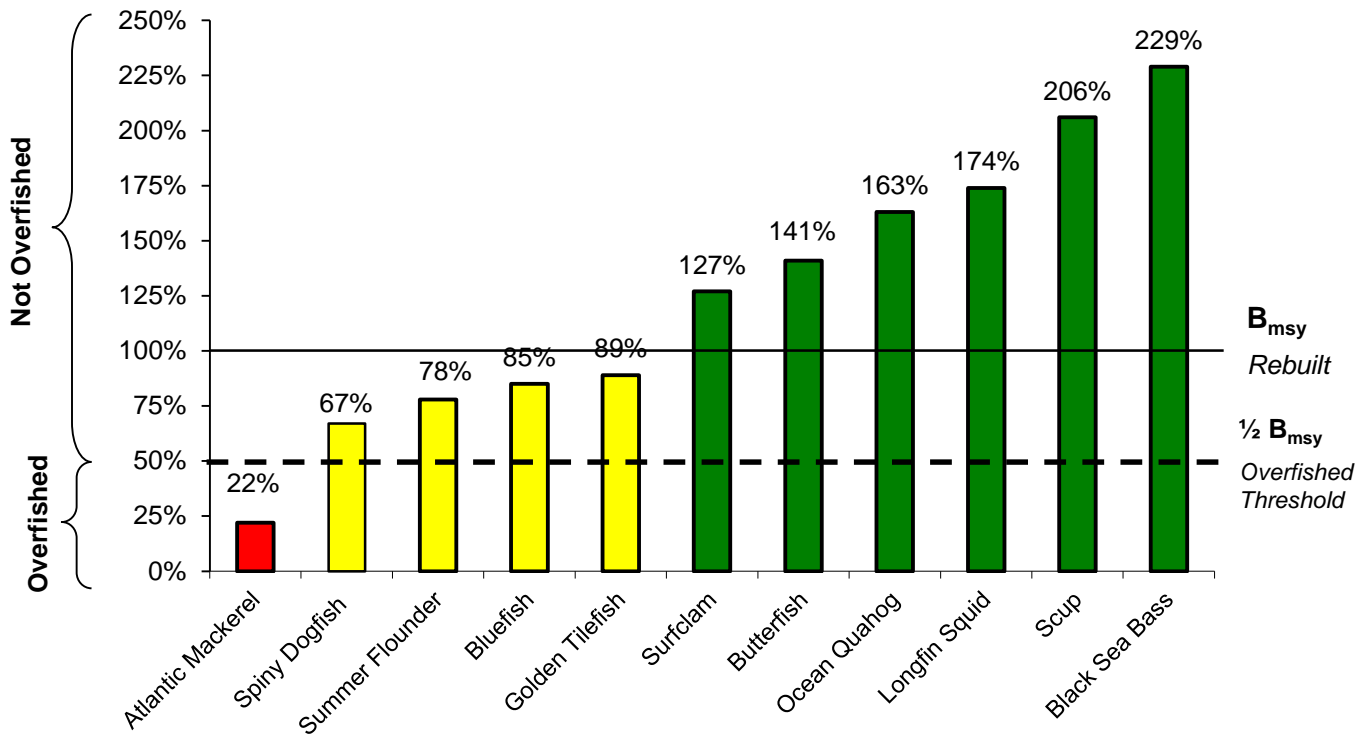


# Stock Size Relative to Biological Reference Points

(as of February 15, 2019)



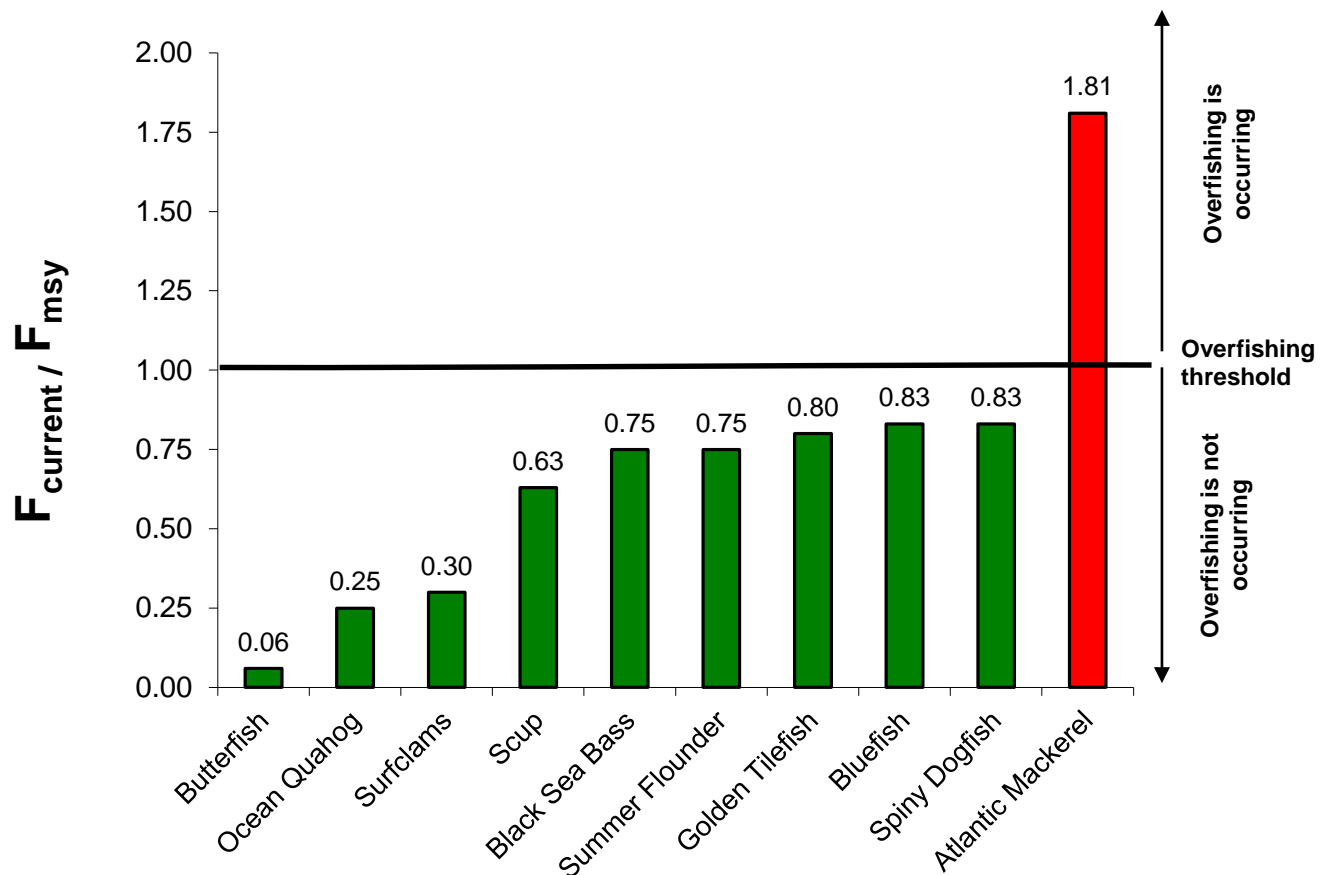
## Notes:

- Unknown  $B_{msy}$  - *Illex* squid, monkfish (NFMA & SFMA), and blueline tilefish (North of Cape Hatteras)
- Summer flounder status is preliminary as of the date of this document, pending SSC review and final NMFS determination.
- Of the 14 stocks managed by the Council, 6 are above  $B_{msy}$ , 5 are below  $B_{msy}$ , and 3 are unknown.

Year of data used to determine stock size	
Atlantic Mackerel	2016
Black Sea Bass	2015
Bluefish	2014
Butterfish	2016
Golden Tilefish	2016
Longfin Squid	2016
Ocean Quahog	2016
Spiny Dogfish	2018
Surfclams	2015
Scup	2016
Summer Flounder	2017

## Fishing Mortality Ratios for MAFMC-Managed Species

(as of February 15, 2019)



### Notes:

- Unknown fishing mortality: *Illex* squid, Longfin squid, monkfish (NFMA and SFMA), and blueline tilefish (North of Cape Hatteras).
- Summer flounder status is preliminary as of the date of this document, pending SSC review and final NMFS determination.

Year of data used to determine stock size	
Atlantic Mackerel	2016
Black Sea Bass	2015
Bluefish	2014
Butterfish	2016
Golden Tilefish	2016
Ocean Quahog	2016
Spiny Dogfish	2017
Surfclam	2015
Scup	2016
Summer Flounder	2017