
















Stock Status of MAFMC-Managed Species

(as of 1/28/22)

| SPECIES | STATUS DETERMINATION CRITERIA | | Stock Status | Most Recent Assessment |
|--|---------------------------------------|---|----------------------------------|---|
| | Overfishing $F_{\text{threshold}}$ | Overfished $\frac{1}{2} B_{\text{MSY}}$ | | |
|  Summer Flounder | $F_{35\%MSP}=0.422$ | 60.87 million lbs | No overfishing Not overfished | Most recent management track assessment was 2021. |
|  Scup | $F_{40\%MSP}=0.200$ | 99.23 million lbs | No overfishing Not overfished | Most recent management track assessment was 2021. |
|  Black Sea Bass | $F_{40\%MSP}=0.46$ | 15.92 million lbs | No overfishing Not overfished | Most recent management track assessment was 2021. |
|  Bluefish | $F_{35\%SPR}=0.181$ | 222.37 million lbs | No overfishing Overfished | Most recent management track assessment was 2021. |
|  Illex Squid (short finned) | Unknown | Unknown | Unknown Unknown | Most recent benchmark assessment was 2006; not able to determine current exploitation rates or stock biomass. |
|  Longfin Squid | Unknown | 46.7 million lbs | Unknown Not overfished | Most recent assessment update was 2020; not able to determine current exploitation rates. |
|  Atlantic Mackerel | $F_{40\%}=0.22$ | 199.6 million pounds | Overfishing Overfished | Most recent management track assessment was 2021. |
|  Butterfish | $F_{\text{Proxy}}=2/3M=0.81$ | 50.3 million lbs | No overfishing Not overfished | Most recent management track assessment was 2020. |
|  Chub Mackerel | At least 3,026 MT of catch per year | At least 3,026 MT of catch three years in a row | No overfishing Not overfished | No stock assessment. |

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|--|---------------------------------------|---|--|---|
| | Overfishing $F_{\text{threshold}}$ | Overfished $\frac{1}{2} B_{\text{MSY}}$ | | |
| Surfclam  | $F/F_{\text{threshold}} = 1^a$ | $SSB/SSB_{\text{threshold}} = 1^b$ | No overfishing Not overfished | Most recent management track assessment was 2020 |
| Ocean Quahog  | $F/F_{\text{threshold}} = 1^c$ | $SSB/SSB_{\text{threshold}} = 1^d$ | No overfishing Not overfished | Most recent management track assessment was 2020. |
| Golden Tilefish  | $F_{40\%MSP} = 0.261$ | 12.12 million lbs | No overfishing Not overfished | Most recent management track assessment was 2021. |
| Blueline Tilefish  | Unknown | Unknown | South of Cape Hatteras: No overfishing Not overfished North of Cape Hatteras: Unknown Unknown | Most recent benchmark assessment was 2017. |
| Spiny Dogfish (Joint mgmt with NEFMC)  | $F_{\text{MSY}} = 0.2439$ | 175.6 million lbs Female SSB | No overfishing Not overfished | Most recent assessment update was 2018. |
| Monkfish (Joint mgmt with NEFMC)  | NFMA & SFMA $F_{\text{MAX}} = 0.2$ | NFMA - 1.25 kg/tow SFMA - 0.93 kg/tow (autumn trawl survey) | Unknown Unknown | Recent benchmark failed peer review and invalidated previous 2010 benchmark assessment results. Operational assessment in 2019 used survey data to scale earlier ABC. |

SOURCES: Office of Sustainable Fisheries - Status Report of U.S. Fisheries; SAW/SARC, SEDAR, and TRAC Assessment Reports.

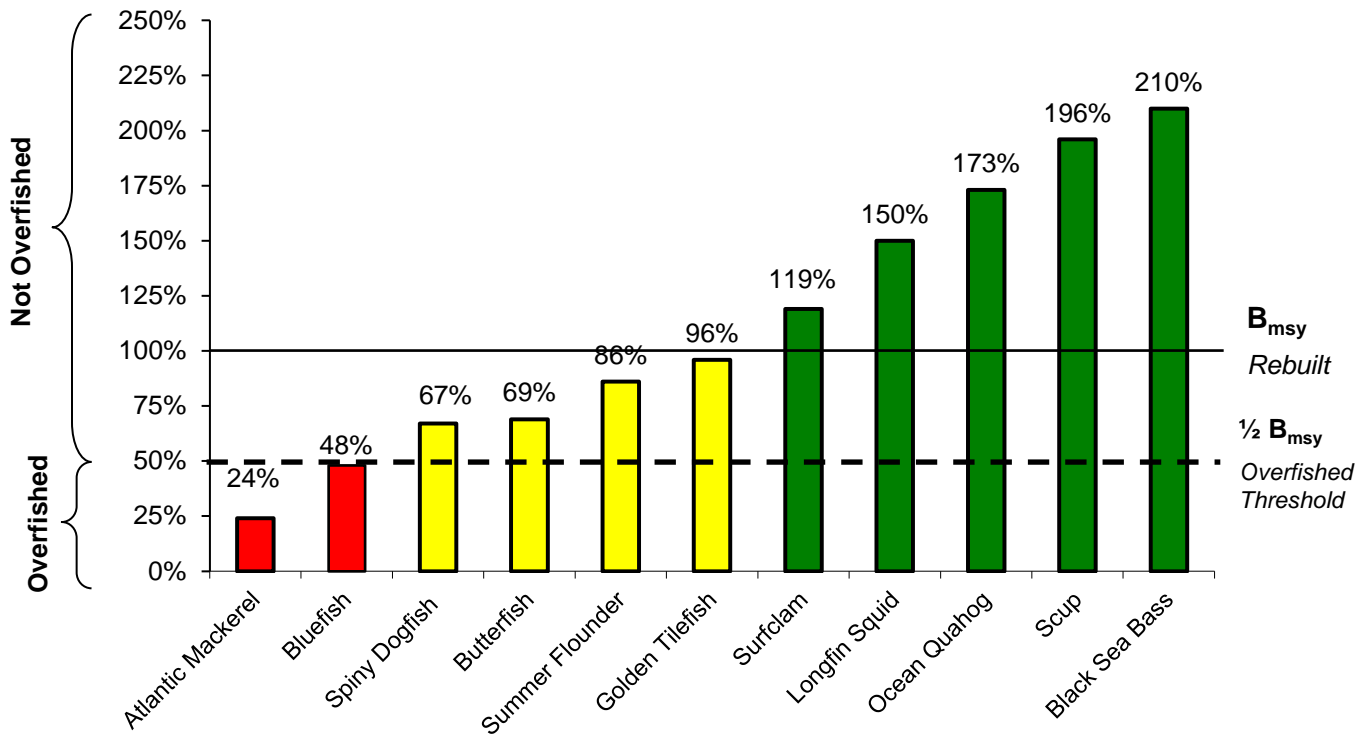
^a $F_{\text{threshold}}$ is calculated as 4.136 times the mean F during 1982 – 2015.

^b $SSB_{\text{threshold}}$ is calculated as $SSB_0/4$.

^c $F_{\text{threshold}}$ is 0.019.

^d $SSB_{\text{threshold}}$ is calculated as $0.4 * SSB_0$.

Stock Size Relative to Biological Reference Points (as of 1/28/22)



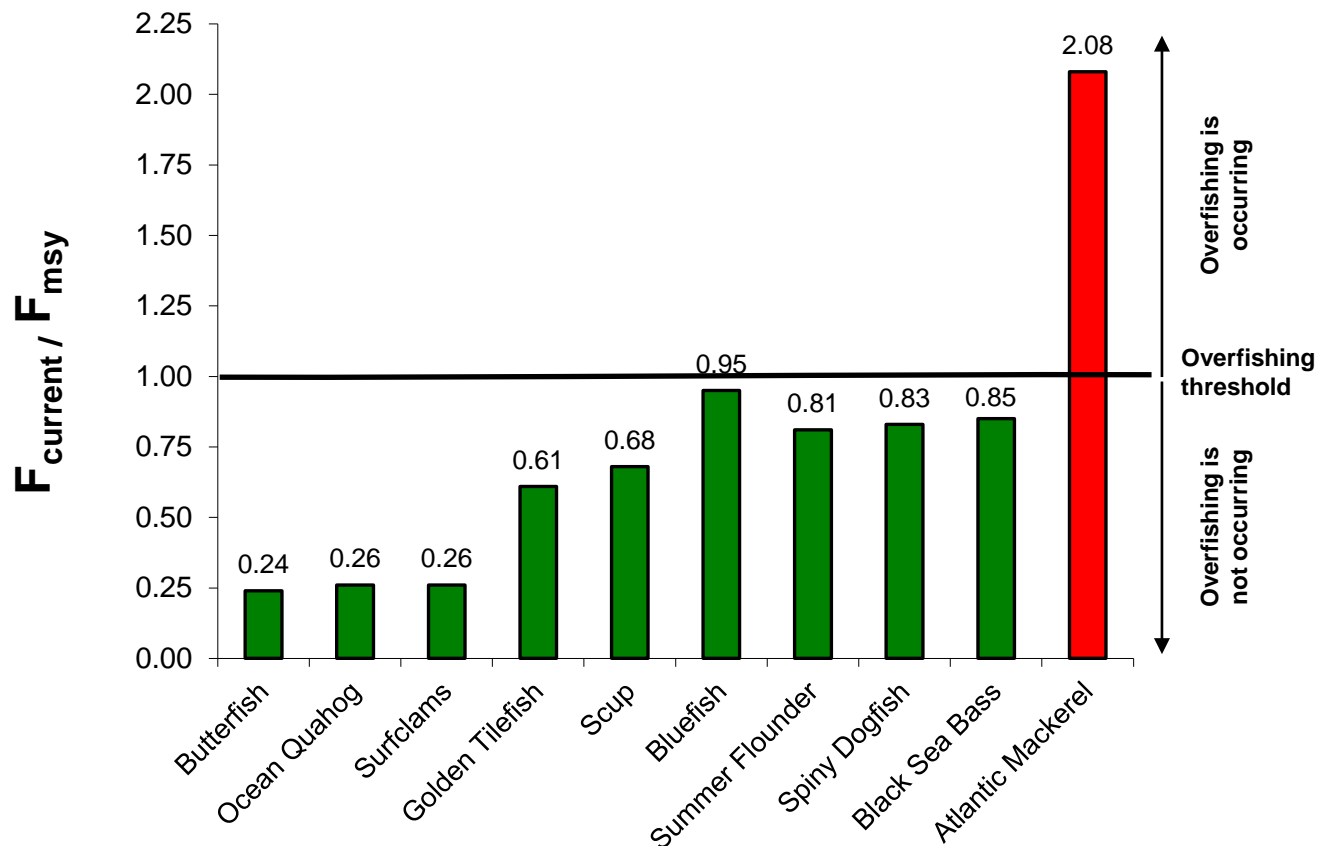
Notes:

- Unknown B_{msy} - *Illex* squid, monkfish (NFMA & SFMA), blueline tilefish (North of Cape Hatteras), and chub mackerel.
- Of the 15 species managed by the Council, 5 are above B_{msy} , 6 are below B_{msy} , and 4 are unknown.

| Year of data used to determine stock size | |
|---|---------------------|
| Atlantic Mackerel | 2019 |
| Black Sea Bass | 2019 |
| Bluefish | 2019 |
| Butterfish | 2019 |
| Golden Tilefish | 2020 |
| Longfin Squid | 2018-2019 (average) |
| Ocean Quahog | 2019 |
| Spiny Dogfish | 2018 |
| Surfclam | 2019 |
| Scup | 2019 |
| Summer Flounder | 2019 |

Fishing Mortality Ratios for MAFMC-Managed Species

(as of 1/28/22)



Notes:

- Unknown fishing mortality: *Illex* squid, Longfin squid, monkfish (NFMA and SFMA), blueline tilefish (North of Cape Hatteras), and chub mackerel.
- Of the 15 species managed by the Council, 9 are above F_{msy}, 1 is above, and 5 are unknown.

| Year of data used to determine fishing mortality | |
|--|------|
| Atlantic Mackerel | 2019 |
| Black Sea Bass | 2019 |
| Bluefish | 2019 |
| Butterfish | 2019 |
| Golden Tilefish | 2020 |
| Ocean Quahog | 2019 |
| Spiny Dogfish | 2017 |
| Surfclam | 2019 |
| Scup | 2019 |
| Summer Flounder | 2019 |