
















## Stock Status of MAFMC-Managed Species

(as of 3/25/24)

SPECIES	STATUS DETERMINATION CRITERIA		Stock Status	Most Recent Assessment of Stock Status
	Overfishing Threshold F <sub>MSY</sub> proxy value	Overfished Threshold ½ B <sub>MSY</sub>		
 <b>Summer Flounder</b>	0.451	54.63 million lbs	Overfishing Not overfished	Stock status based on <a href="#">2023 Management Track Assessment</a> .
 <b>Scup</b>	0.19	86.64 million lbs	No overfishing Not overfished	Stock status based on <a href="#">2023 Management Track Assessment</a> .
 <b>Black Sea Bass</b>	0.46	15.92 million lbs	No overfishing Not overfished	Stock status based on <a href="#">2021 Management Track Assessment</a> .
 <b>Bluefish</b>	0.239	97.15 million lbs	No overfishing Not overfished*	Stock status based on <a href="#">2023 Management Track Assessment</a> . *Note: The stock is no longer overfished but the rebuilding plan will remain in effect until the stock reaches the biomass target.
 <b>Illlex (Shortfin) Squid</b>	Unknown	Unknown	Unknown Unknown	The <a href="#">2022 Research Track Assessment</a> failed to establish status determination criteria, but <a href="#">peer review</a> agreed the stock was likely “lightly fished in 2019,” though with cautions.
 <b>Longfin Squid</b>	Unknown	46.7 million lbs	Unknown Not overfished	Stock status based on <a href="#">2023 Management Track Assessment</a> . The assessment was unable to determine current exploitation rates.
 <b>Atlantic Mackerel</b>	0.21	169.9 million lbs	No overfishing Overfished	Stock status based on <a href="#">2023 Management Track Assessment</a> .
 <b>Butterfish</b>	0.85	43.5 million lbs	No overfishing Not overfished	Stock status based on <a href="#">2022 Management Track Assessment</a> .
 <b>Chub Mackerel</b>	At least 6.67 million lbs of catch per year	At least 6.67 million lbs of catch three years in a row	No overfishing Not overfished	No stock assessment.

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	Overfishing Threshold F <sub>MSY</sub> proxy value	Overfished Threshold ½ B <sub>MSY</sub>		
<b>Surfclam</b> 	0.141	1.1 billion lbs <sup>a</sup>	No overfishing Not overfished	Stock status based on <a href="#">2020 Management Track Assessment</a> .
<b>Ocean Quahog</b> 	0.019	2.3 billion lbs <sup>b</sup>	No overfishing Not overfished	Stock status based on <a href="#">2020 Management Track Assessment</a> .
<b>Golden Tilefish</b> 	0.261	12.12 million lbs	No overfishing Not overfished	Stock status based on <a href="#">2021 Management Track Assessment</a> .
<b>Blueline Tilefish</b> (Mid-Atlantic management area) 	Unknown	Unknown	Unknown Unknown	The <a href="#">2017 benchmark assessment</a> (SEDAR 50) was unable to determine stock status for the portion of the stock north of Cape Hatteras. The portion of the stock south of Cape Hatteras was not overfished and overfishing was not occurring.
<b>Spiny Dogfish</b> (Joint mgmt with NEFMC) 	0.025	94 million pups spawning output	No overfishing Not overfished	Stock status based on <a href="#">2023 Management Track Assessment</a> .
<b>Monkfish</b> (Joint mgmt with NEFMC) 	Unknown	Unknown	Unknown Unknown	The <a href="#">2022 Management Track Assessment</a> was unable to determine stock status due to lack of biological reference points.

SOURCES: Office of Sustainable Fisheries - Status Report of U.S. Fisheries; SAW/SARC, SEDAR, TRAC Assessment Reports, NEFSC Research and Management Track Stock Assessments.

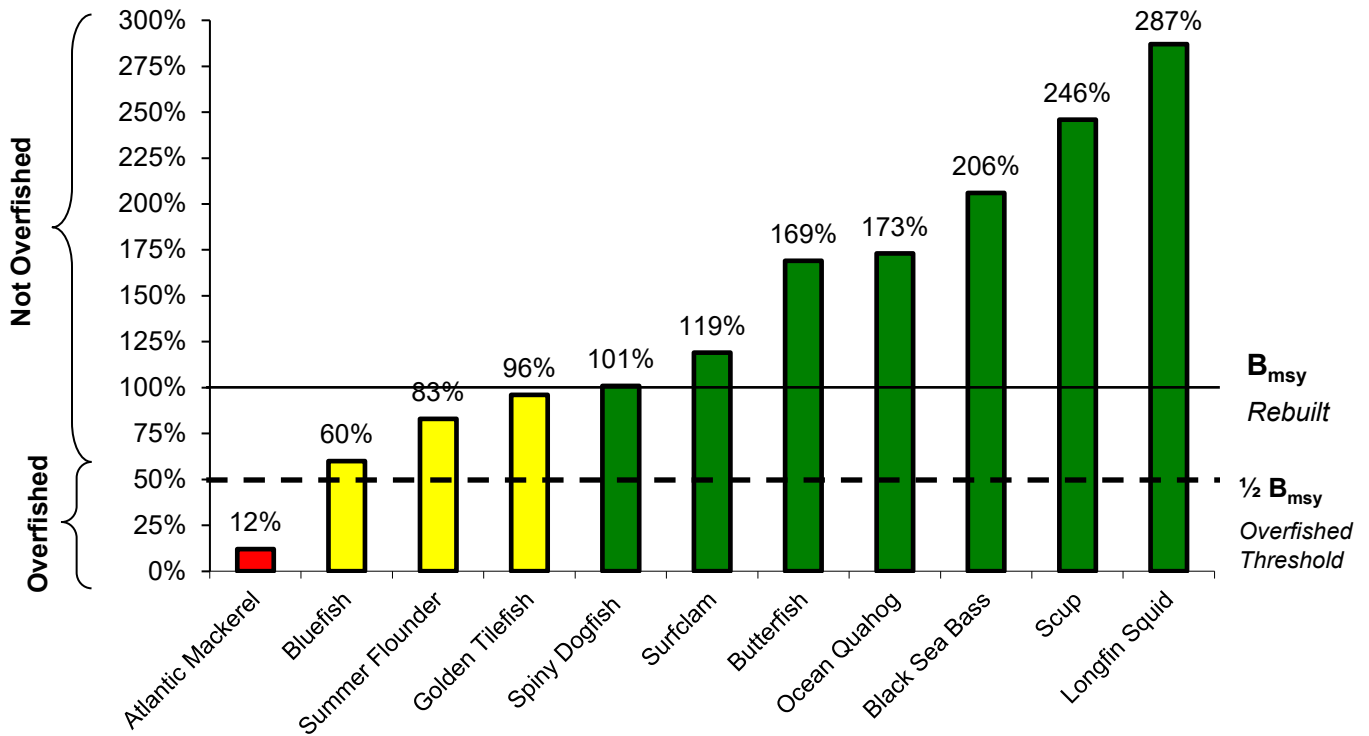
### Overfishing Threshold Definitions

- **Summer Flounder:** F<sub>MSY</sub> proxy = F<sub>35%</sub>
- **Scup:** F<sub>MSY</sub> proxy = F<sub>40%</sub>
- **Black Sea Bass:** F<sub>MSY</sub> proxy = F<sub>40%</sub>
- **Bluefish:** F<sub>MSY</sub> proxy = F<sub>35%</sub>
- **Atlantic Mackerel:** F<sub>MSY</sub> proxy = F<sub>40%</sub>
- **Butterfish:** F<sub>MSY</sub> proxy = 2/3 (M) where M equals natural mortality
- **Atlantic Surfclam:** F<sub>MSY</sub> proxy is calculated as 4.136 times the mean F during 1982 – 2015
- **Ocean Quahog:** F<sub>MSY</sub> proxy is based on a management strategy evaluation analysis
- **Golden Tilefish:** F<sub>MSY</sub> proxy = F<sub>40%</sub>
- **Spiny Dogfish:** F<sub>MSY</sub> proxy calculated based on 60%SPR (spawners per recruit)

<sup>a</sup> Atlantic surfclam SSB<sub>threshold</sub> is calculated as SSB<sub>0</sub>/4.

<sup>b</sup> Ocean quahog SSB<sub>threshold</sub> is calculated as 0.4\*SSB<sub>0</sub>.

## Stock Size Relative to Biological Reference Points (as of 3/25/24)



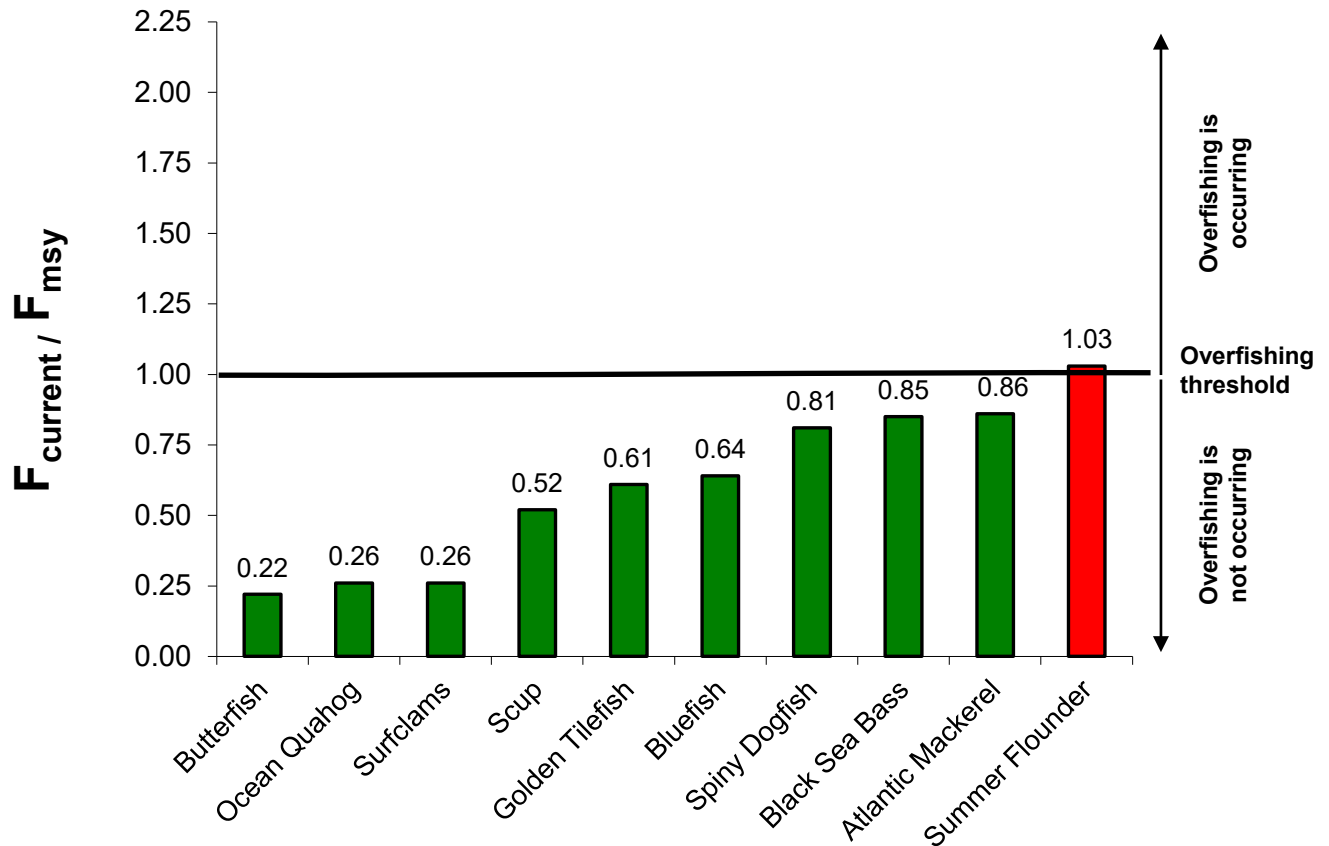
### Notes:

- Of the 15 species managed by the Council, 7 are above target biomass ( $B_{MSY}$ ), 3 are below target biomass but above the overfished threshold ( $\frac{1}{2} B_{MSY}$ ), 1 is below the overfished threshold, and 4 are unknown.
- Unknown  $B_{msy}$  - *Illex* squid, monkfish (Northern and Southern Fishery Management Areas), blueline tilefish (North of Cape Hatteras), and chub mackerel.

Year of data used to determine stock size	
Atlantic Mackerel	2022
Black Sea Bass	2019
Bluefish	2022
Butterfish	2021
Golden Tilefish	2020
Longfin Squid	2021-2022 (average)
Ocean Quahog	2019
Spiny Dogfish	2022
Surfclam	2019
Scup	2022
Summer Flounder	2022

## Fishing Mortality Ratios for MAFMC-Managed Species

(as of 3/25/24)



**Notes:**

- Of the 15 species managed by the Council, 9 are below the overfishing threshold, 1 is above the overfishing threshold, and 5 are unknown.
- Unknown fishing mortality: *Illex* squid, Longfin squid, monkfish (Northern and Southern Fishery Management Areas), blueline tilefish (North of Cape Hatteras), and chub mackerel.

Year of data used to determine fishing mortality	
Atlantic Mackerel	2022
Black Sea Bass	2019
Bluefish	2022
Butterfish	2021
Golden Tilefish	2020
Ocean Quahog	2019
Spiny Dogfish	2022
Surfclam	2019
Scup	2022
Summer Flounder	2022