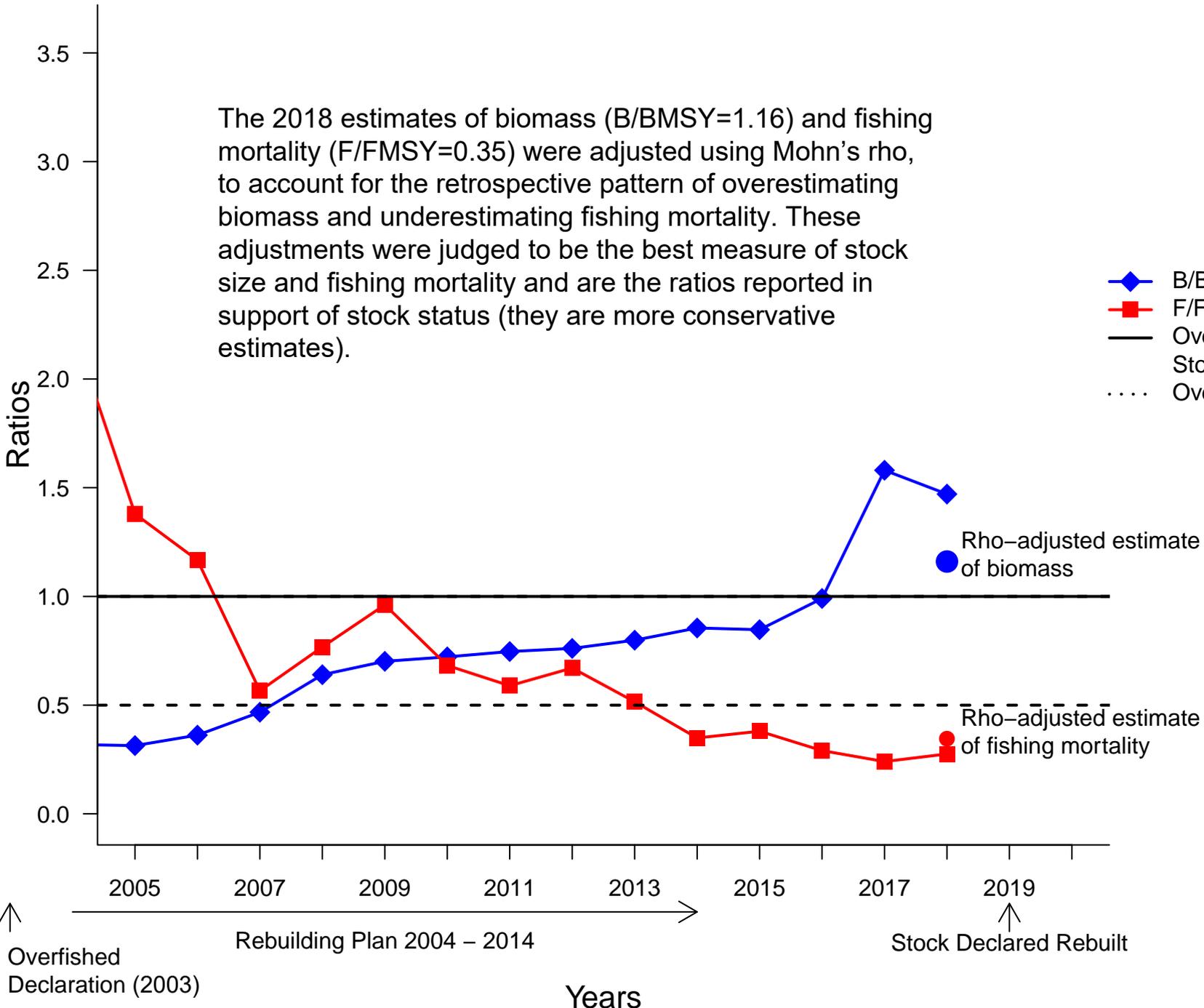


# American plaice – Gulf of Maine / Georges Bank

The 2018 estimates of biomass ( $B/B_{MSY}=1.16$ ) and fishing mortality ( $F/F_{MSY}=0.35$ ) were adjusted using Mohn's rho, to account for the retrospective pattern of overestimating biomass and underestimating fishing mortality. These adjustments were judged to be the best measure of stock size and fishing mortality and are the ratios reported in support of stock status (they are more conservative estimates).

- ◆  $B/B_{MSY}$
- $F/F_{MSY}$
- Overfishing  $F/F_{MSY} \geq 1$
- Stock Rebuilt  $B/B_{MSY} \geq 1$
- ⋯ Overfished  $B/B_{MSY} \leq 0.5$



Rho-adjusted estimate of biomass

Rho-adjusted estimate of fishing mortality

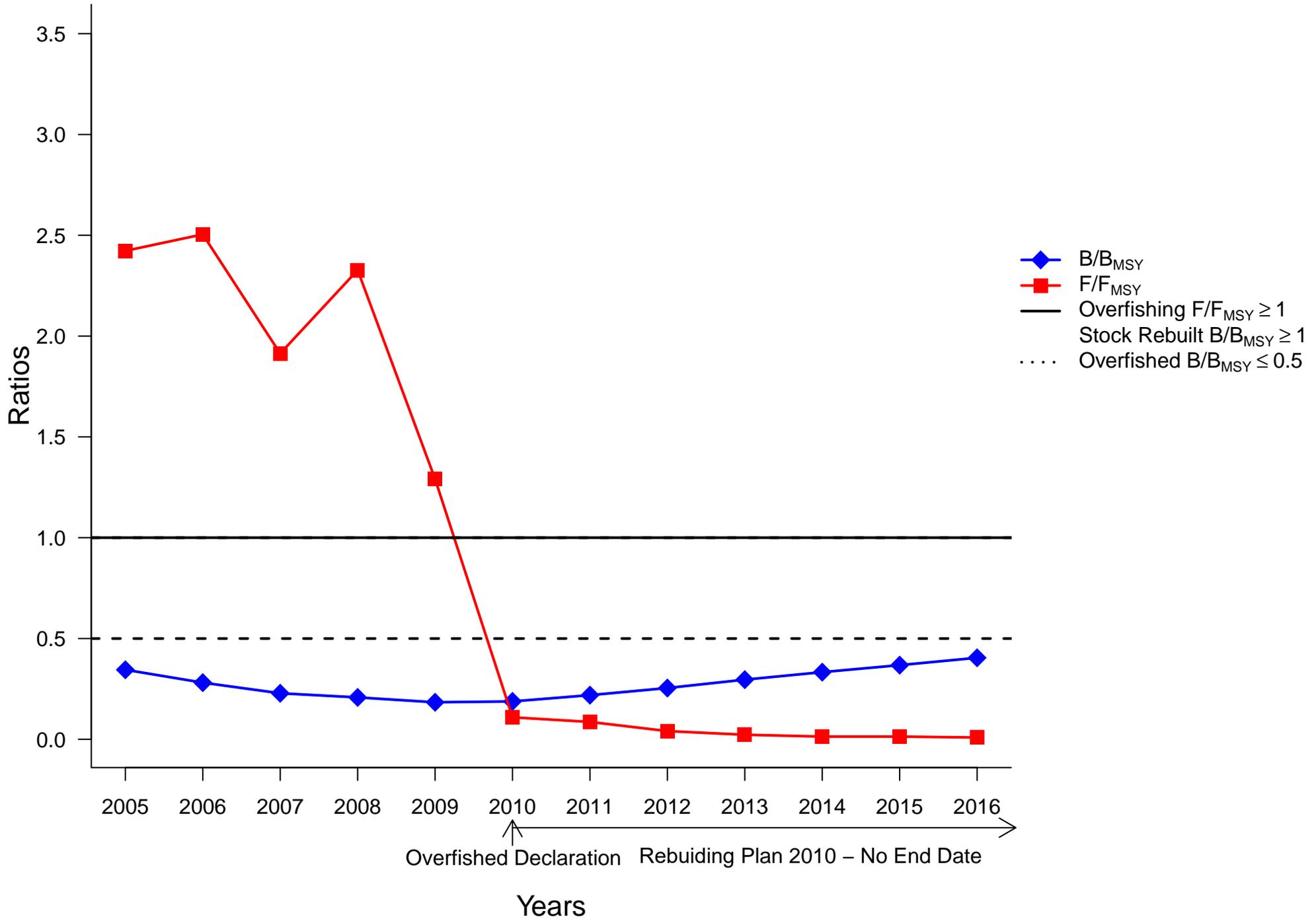
↑  
Overfished Declaration (2003)

Rebuilding Plan 2004 – 2014

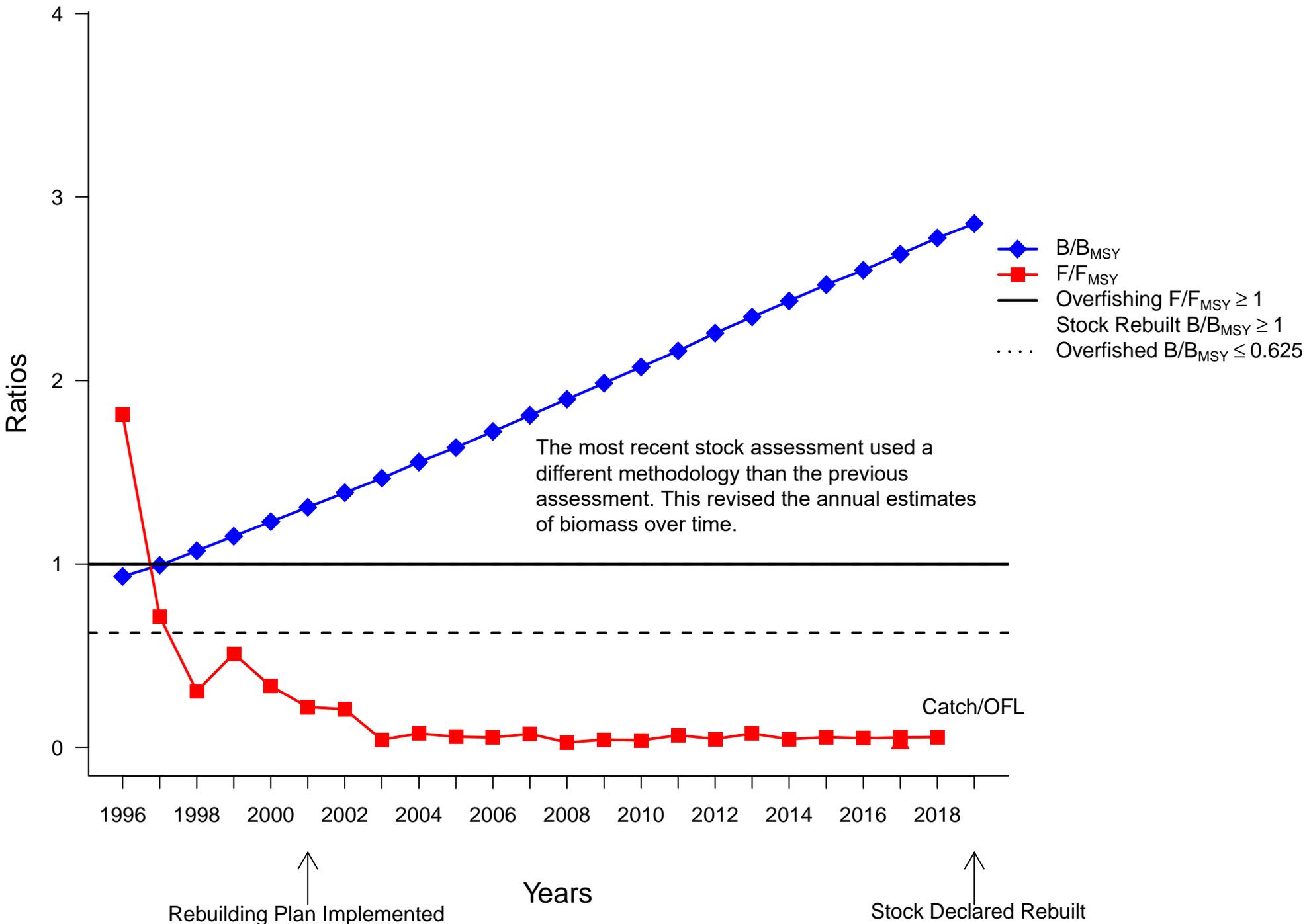
↑  
Stock Declared Rebuilt

Years

# Atlantic wolffish – Gulf of Maine / Georges Bank

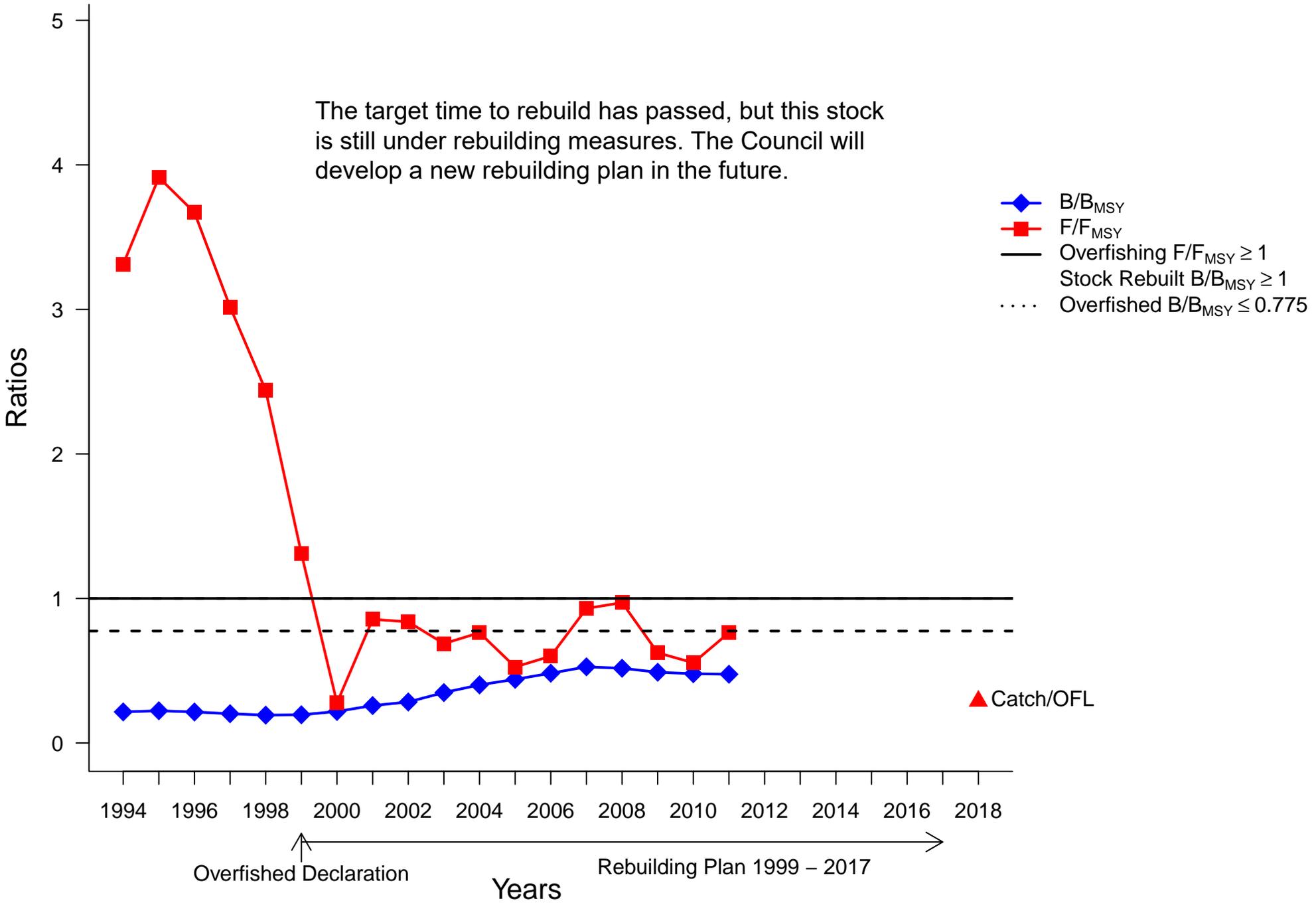


# Cowcod – Southern California



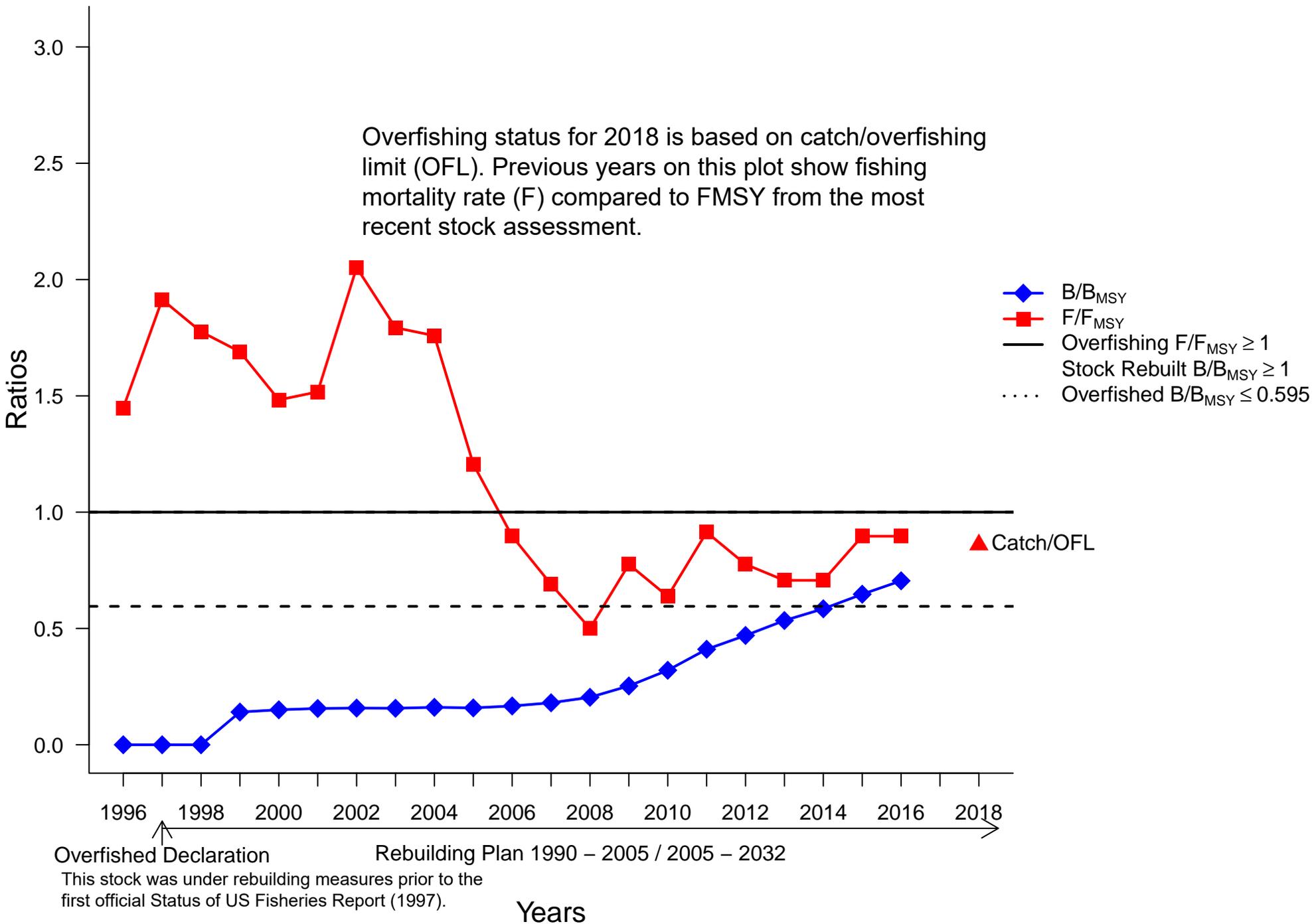
# Red porgy – Southern Atlantic Coast

The target time to rebuild has passed, but this stock is still under rebuilding measures. The Council will develop a new rebuilding plan in the future.

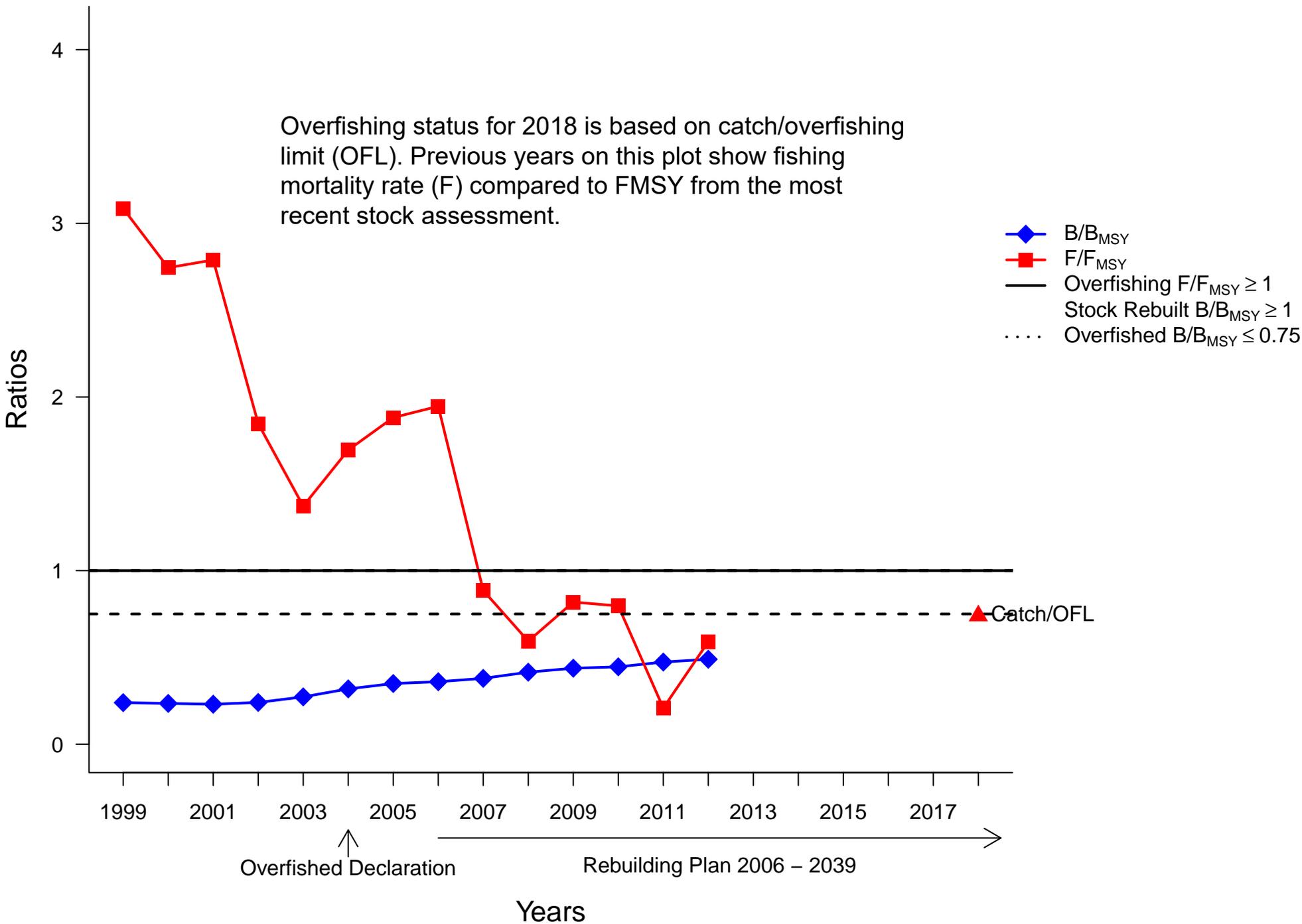


# Red snapper – Gulf of Mexico

Overfishing status for 2018 is based on catch/overfishing limit (OFL). Previous years on this plot show fishing mortality rate (F) compared to FMSY from the most recent stock assessment.

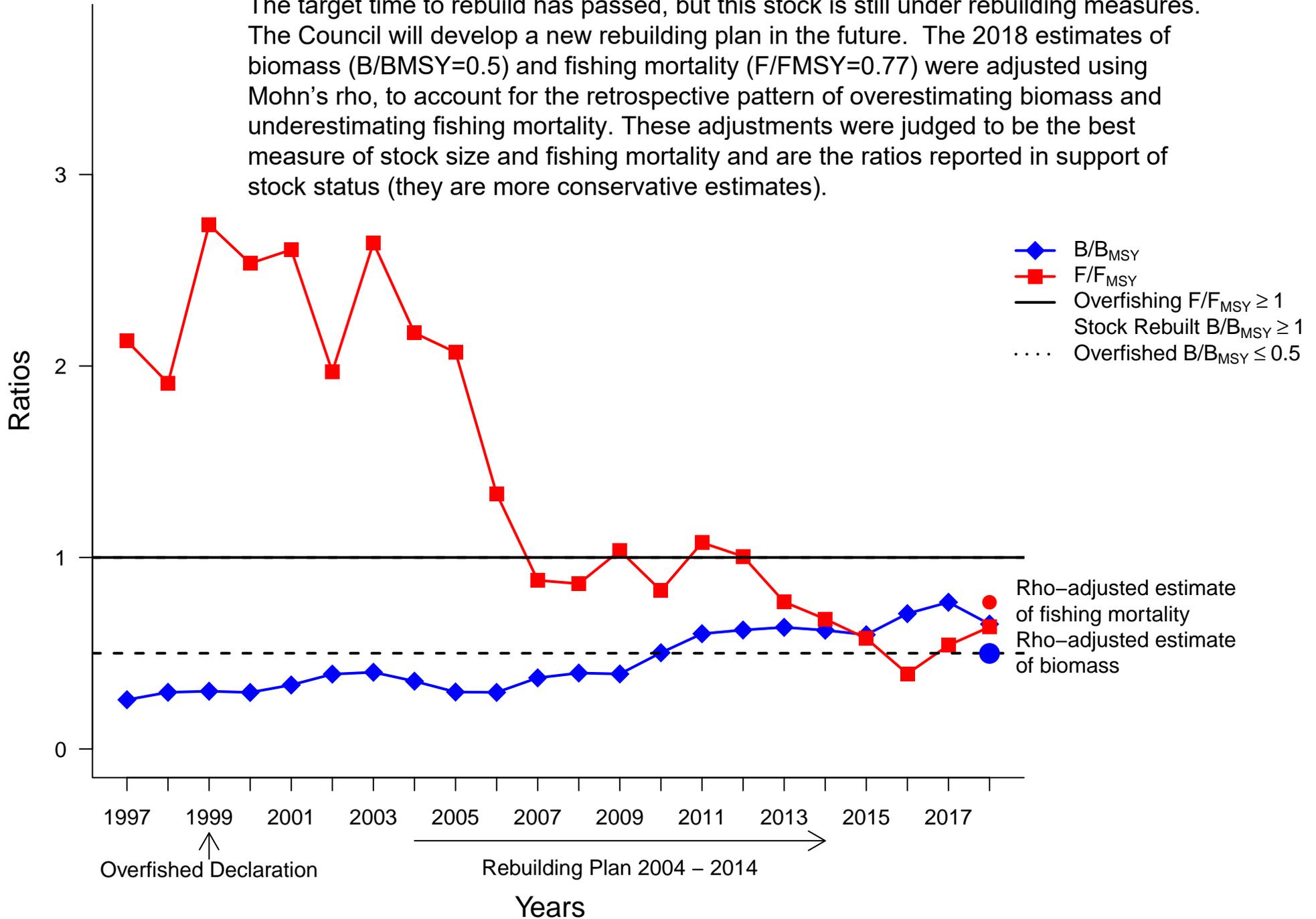


# Snowy grouper – Southern Atlantic Coast

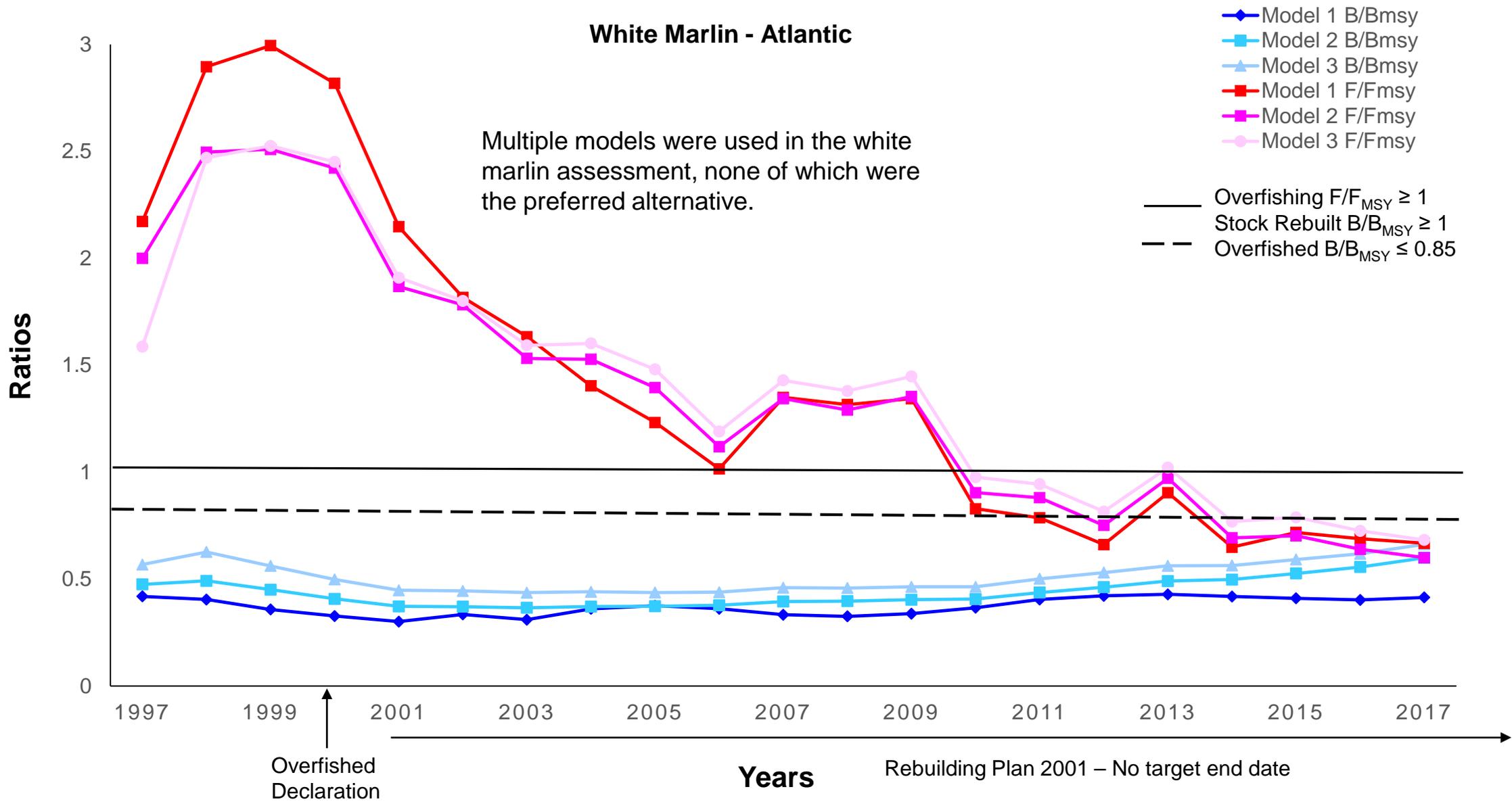


## White hake – Gulf of Maine / Georges Bank

The target time to rebuild has passed, but this stock is still under rebuilding measures. The Council will develop a new rebuilding plan in the future. The 2018 estimates of biomass ( $B/B_{MSY}=0.5$ ) and fishing mortality ( $F/F_{MSY}=0.77$ ) were adjusted using Mohn's rho, to account for the retrospective pattern of overestimating biomass and underestimating fishing mortality. These adjustments were judged to be the best measure of stock size and fishing mortality and are the ratios reported in support of stock status (they are more conservative estimates).

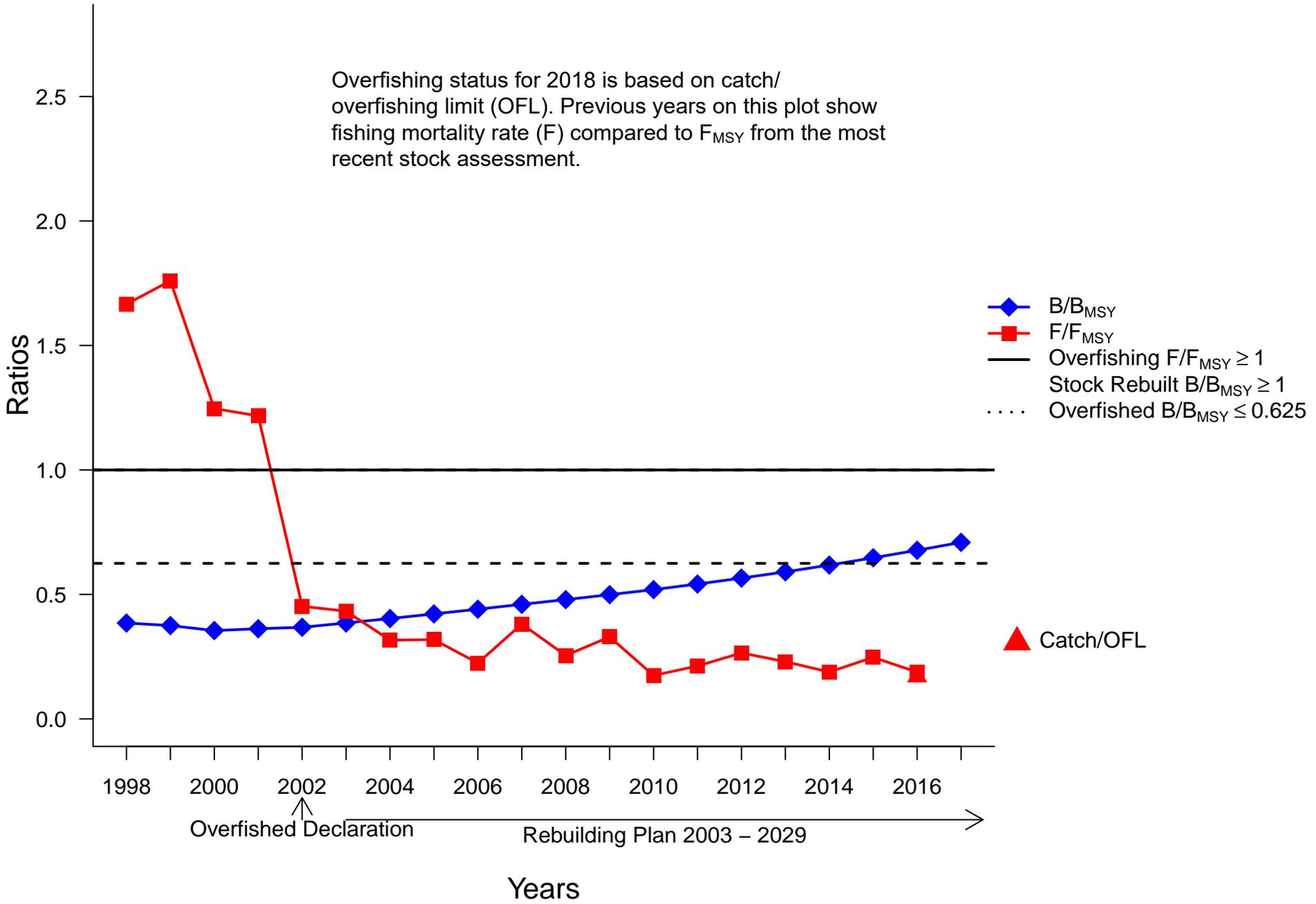


### White Marlin - Atlantic



# Yelloweye rockfish – Pacific Coast

Overfishing status for 2018 is based on catch/  
overfishing limit (OFL). Previous years on this plot show  
fishing mortality rate (F) compared to  $F_{MSY}$  from the most  
recent stock assessment.



## Yellowtail flounder – Cape Cod / Gulf of Maine

The 2018 estimates of biomass ( $B/B_{MSY}=0.62$ ) and fishing mortality ( $F/F_{MSY}=0.29$ ) were adjusted using Mohn's rho, to account for the retrospective pattern of overestimating biomass and underestimating fishing mortality. These adjustments were judged to be the best measure of stock size and fishing mortality and are the ratios reported in support of stock status (they are more conservative estimates).

- ◆  $B/B_{MSY}$
- $F/F_{MSY}$
- Overfishing  $F/F_{MSY} \geq 1$
- Stock Rebuilt  $B/B_{MSY} \geq 1$
- ⋯ Overfished  $B/B_{MSY} \leq 0.5$

