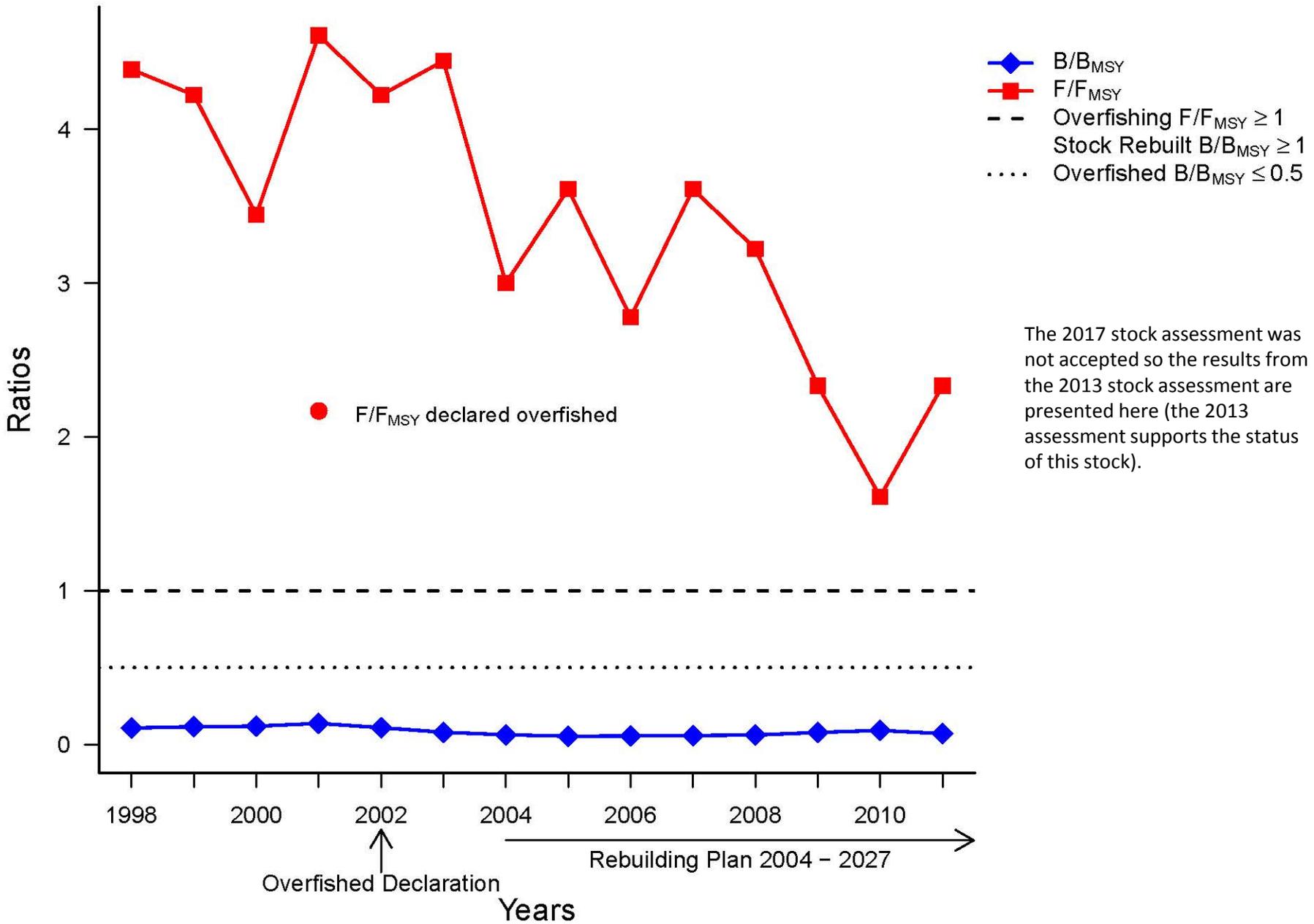
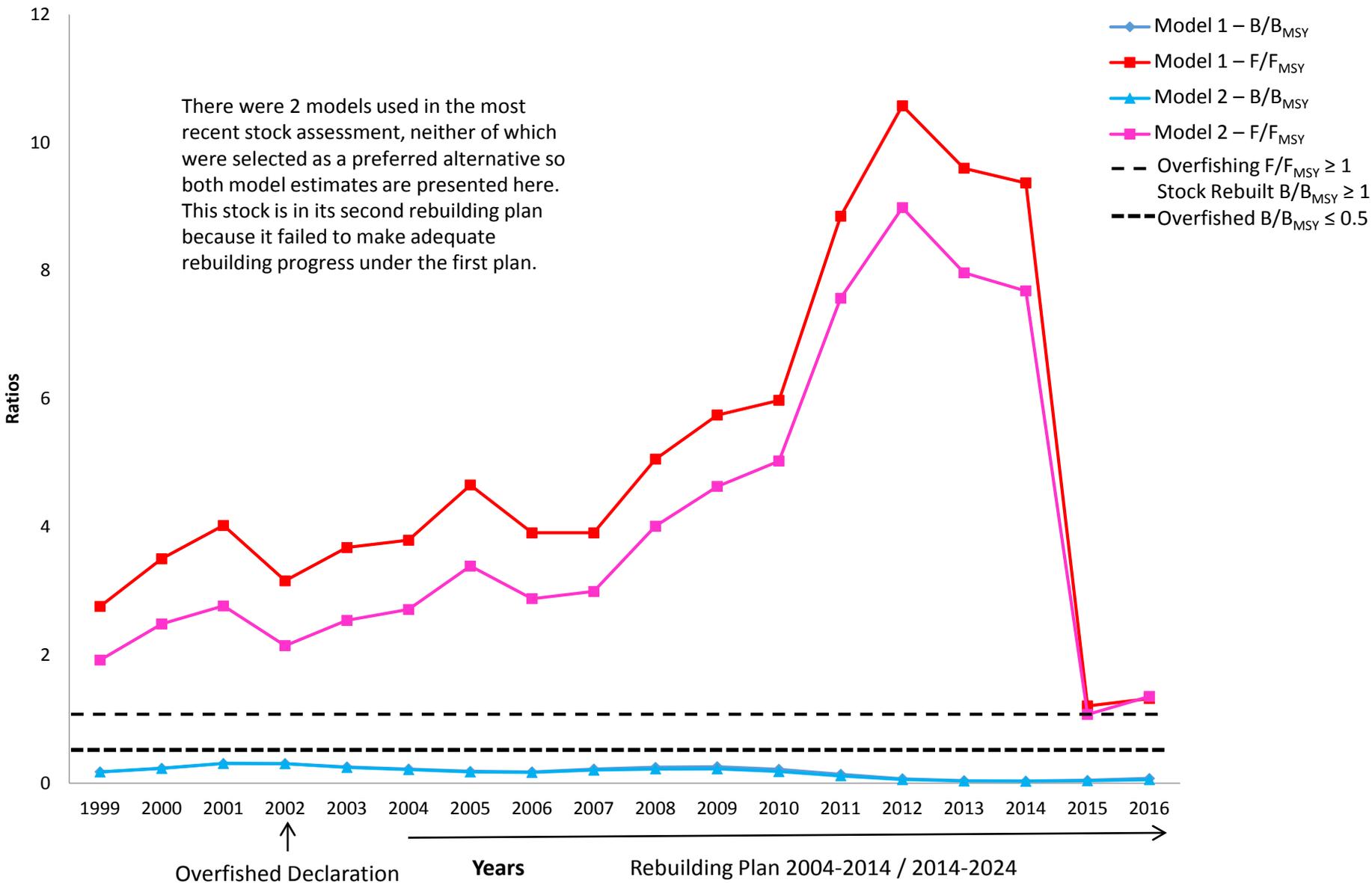


Atlantic Cod – Georges Bank

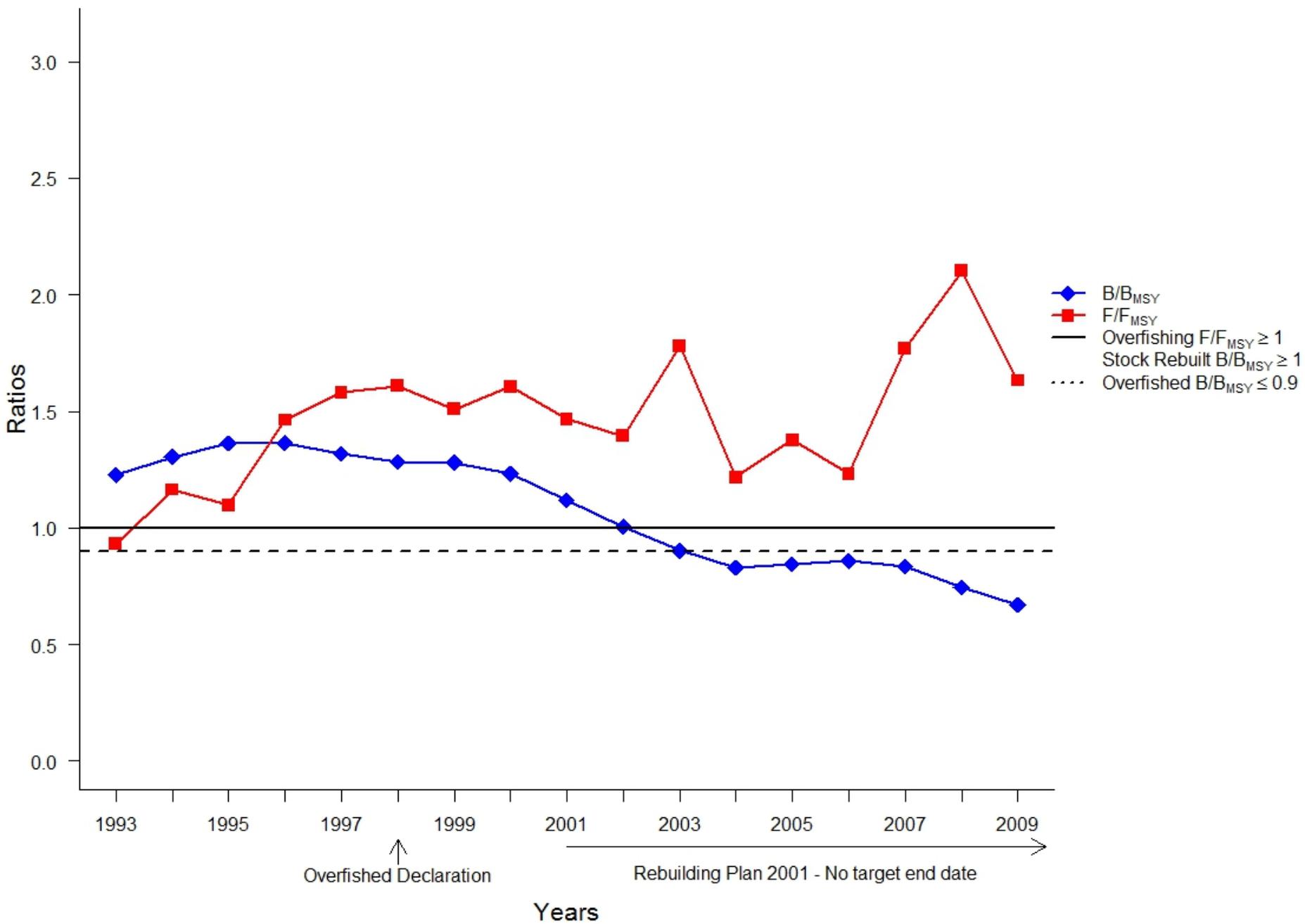


Atlantic Cod - Gulf of Maine

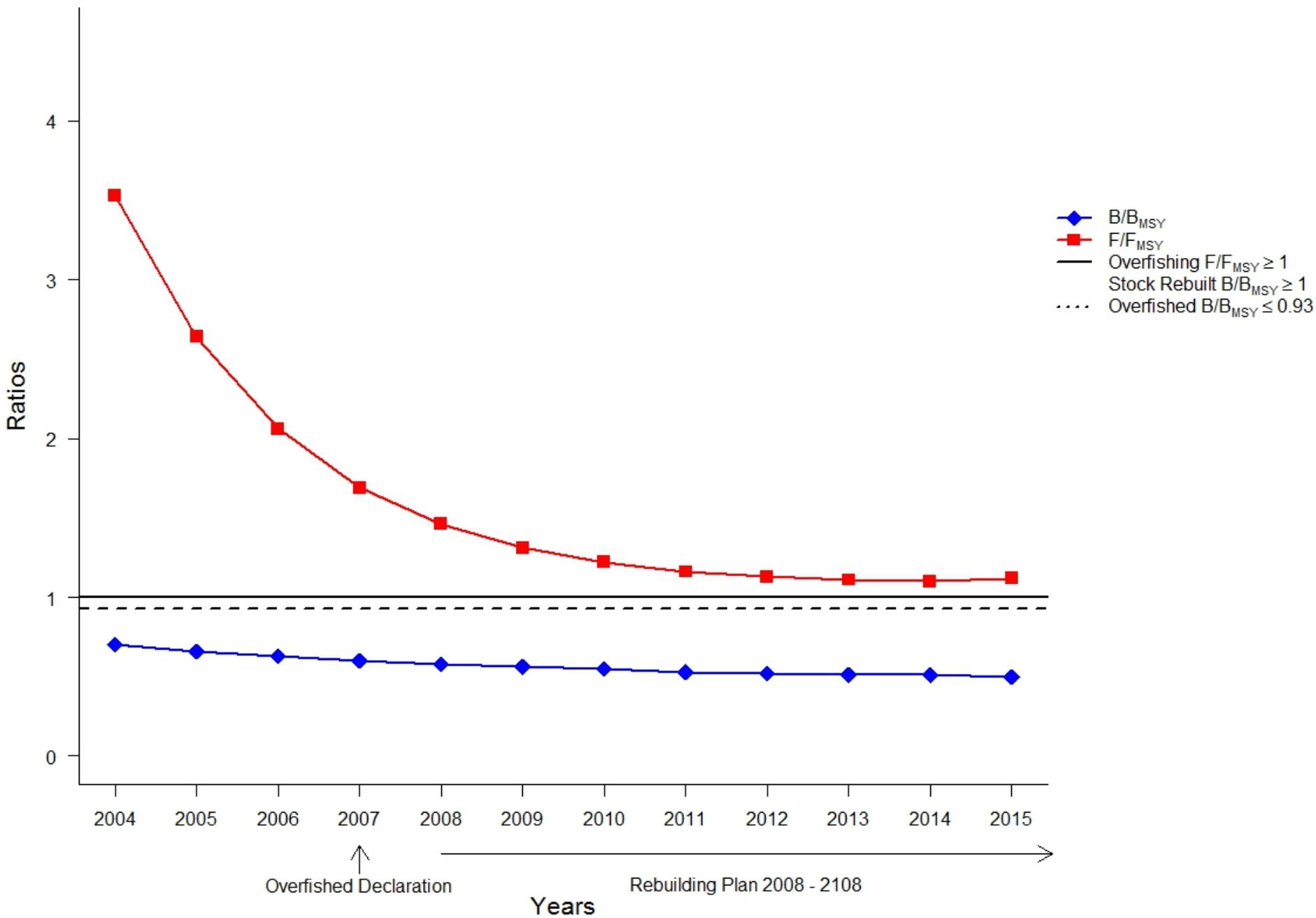
There were 2 models used in the most recent stock assessment, neither of which were selected as a preferred alternative so both model estimates are presented here. This stock is in its second rebuilding plan because it failed to make adequate rebuilding progress under the first plan.



Blue marlin - Atlantic



Dusky shark - Atlantic and Gulf of Mexico

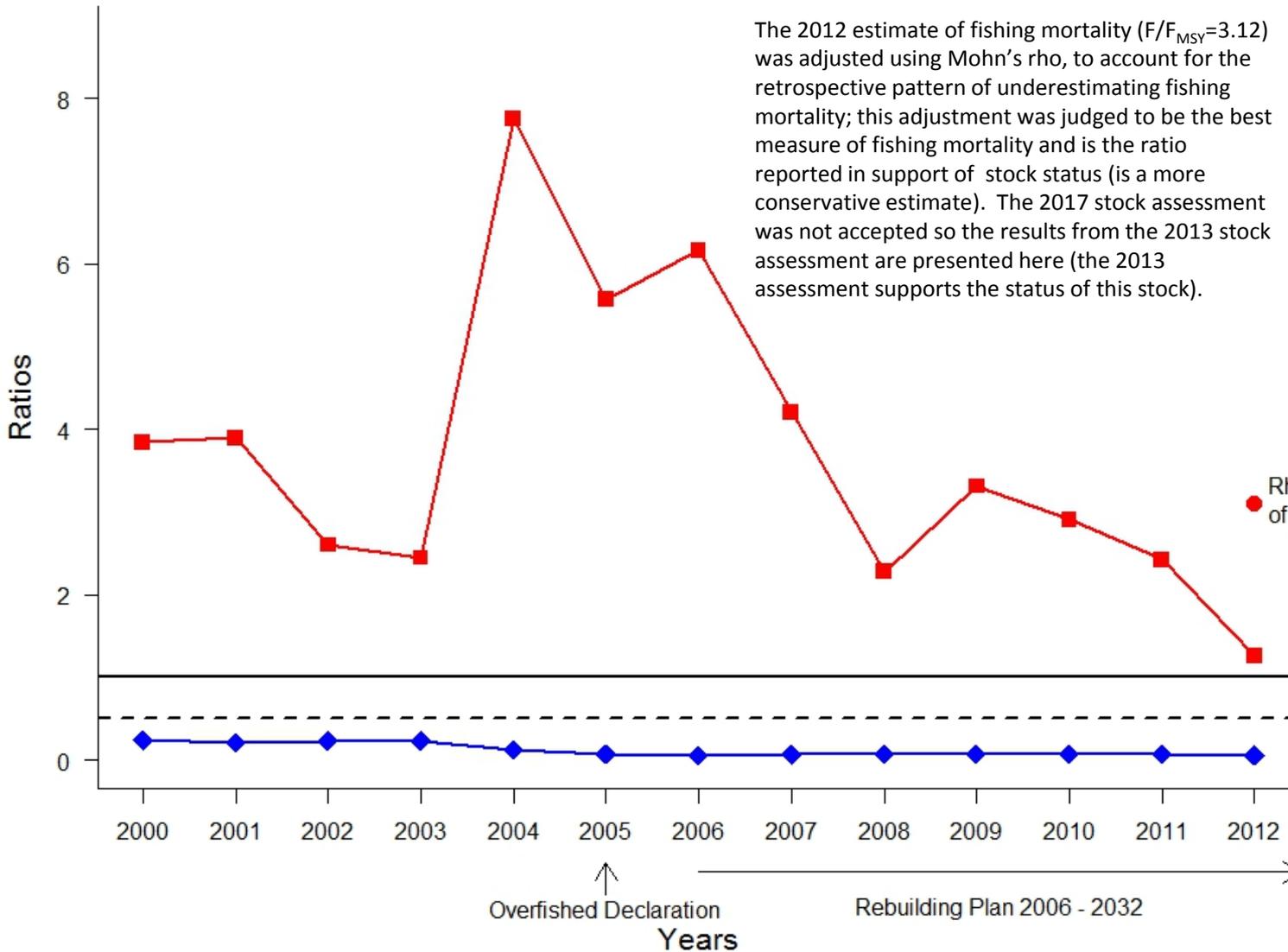


Yellowtail flounder - Georges Bank

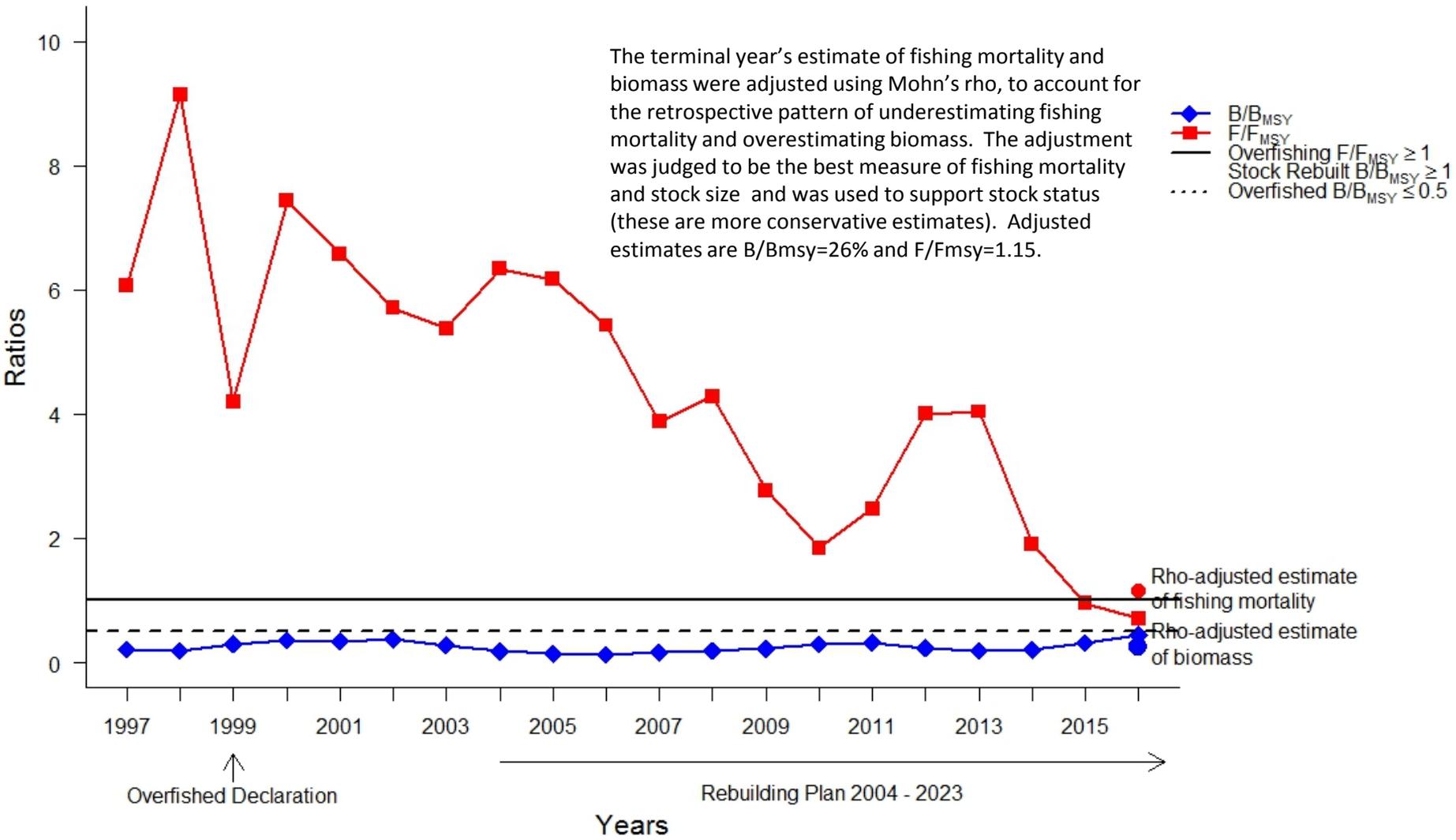
The 2012 estimate of fishing mortality ($F/F_{MSY}=3.12$) was adjusted using Mohn's rho, to account for the retrospective pattern of underestimating fishing mortality; this adjustment was judged to be the best measure of fishing mortality and is the ratio reported in support of stock status (is a more conservative estimate). The 2017 stock assessment was not accepted so the results from the 2013 stock assessment are presented here (the 2013 assessment supports the status of this stock).

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

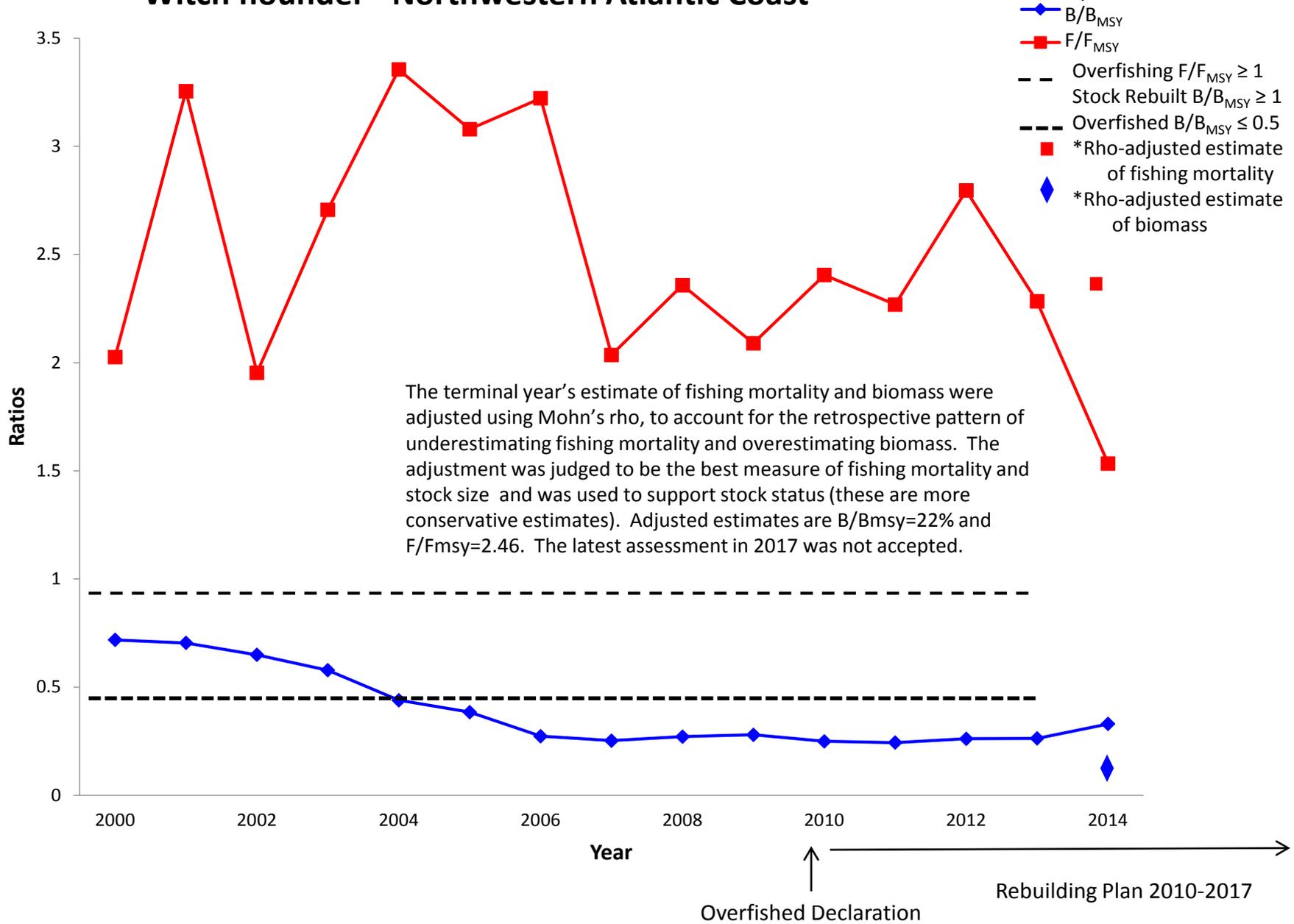
● Rho-adjusted estimate of fishing mortality



Yellowtail flounder - Cape Cod / Gulf of Maine

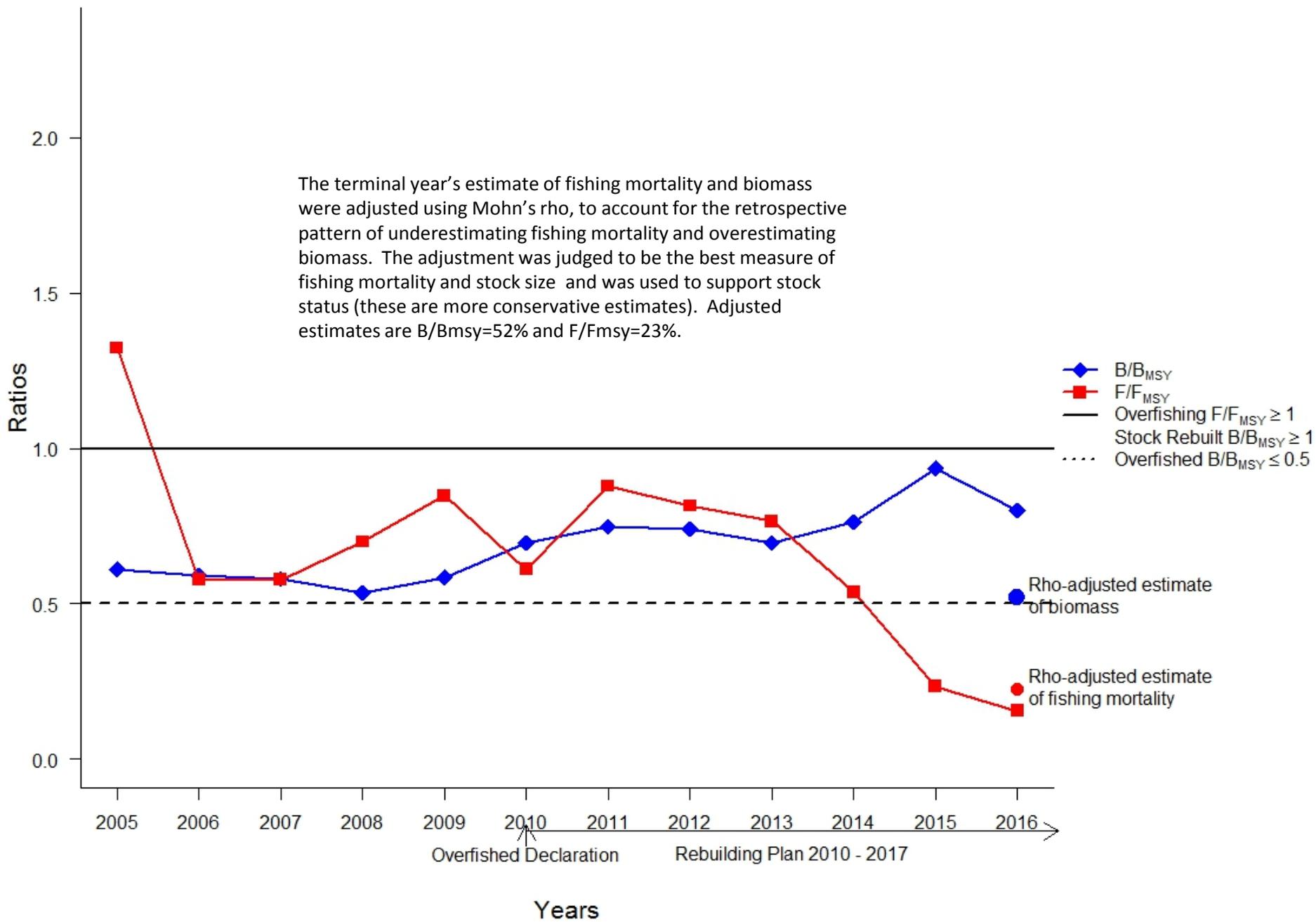


Witch flounder - Northwestern Atlantic Coast



Winter flounder - Georges Bank

The terminal year's estimate of fishing mortality and biomass were adjusted using Mohn's rho, to account for the retrospective pattern of underestimating fishing mortality and overestimating biomass. The adjustment was judged to be the best measure of fishing mortality and stock size and was used to support stock status (these are more conservative estimates). Adjusted estimates are $B/B_{msy}=52\%$ and $F/F_{msy}=23\%$.



Blue king crab – Pribilof Islands

- ◆ B/B_{MSY}
- F/F_{MSY}
- Overfished $B/B_{MSY} \leq 0.5$

There has been no directed fishing since 1999 and a number of other measures have been implemented to protect this resource, but the stock has made no progress towards rebuilding. This failure to recover is likely due to environmental conditions that are unfavorable to the blue king crab's reproduction and survival rates. The first 10-year rebuilding plan was implemented in 2004. In 2015, a new plan was implemented, but there is no projected time to rebuild this stock.

Bycatch in other fisheries led to overfishing of this stock in 2015.

