

# Acadian Redfish – Gulf of Maine / Georges Bank

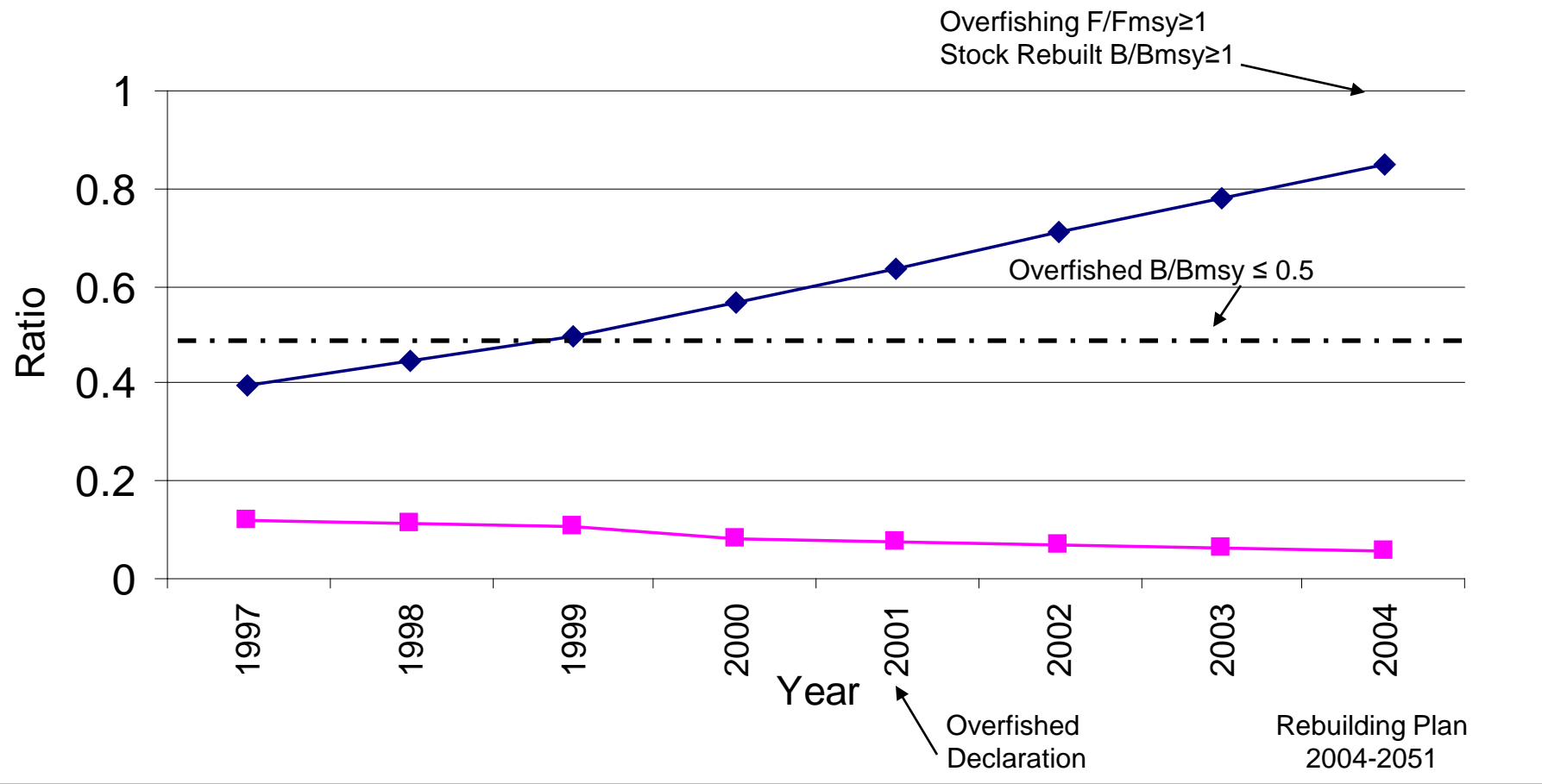


Figure A1. Northeast Region Acadian Redfish – Gulf of Maine / Georges Bank has a controlled fishing mortality and biomass is rebuilding. NOTE: This graph includes data through 2004; it does not include the results of GARM III.

## Barndoor Skate - Georges Bank / Southern New England

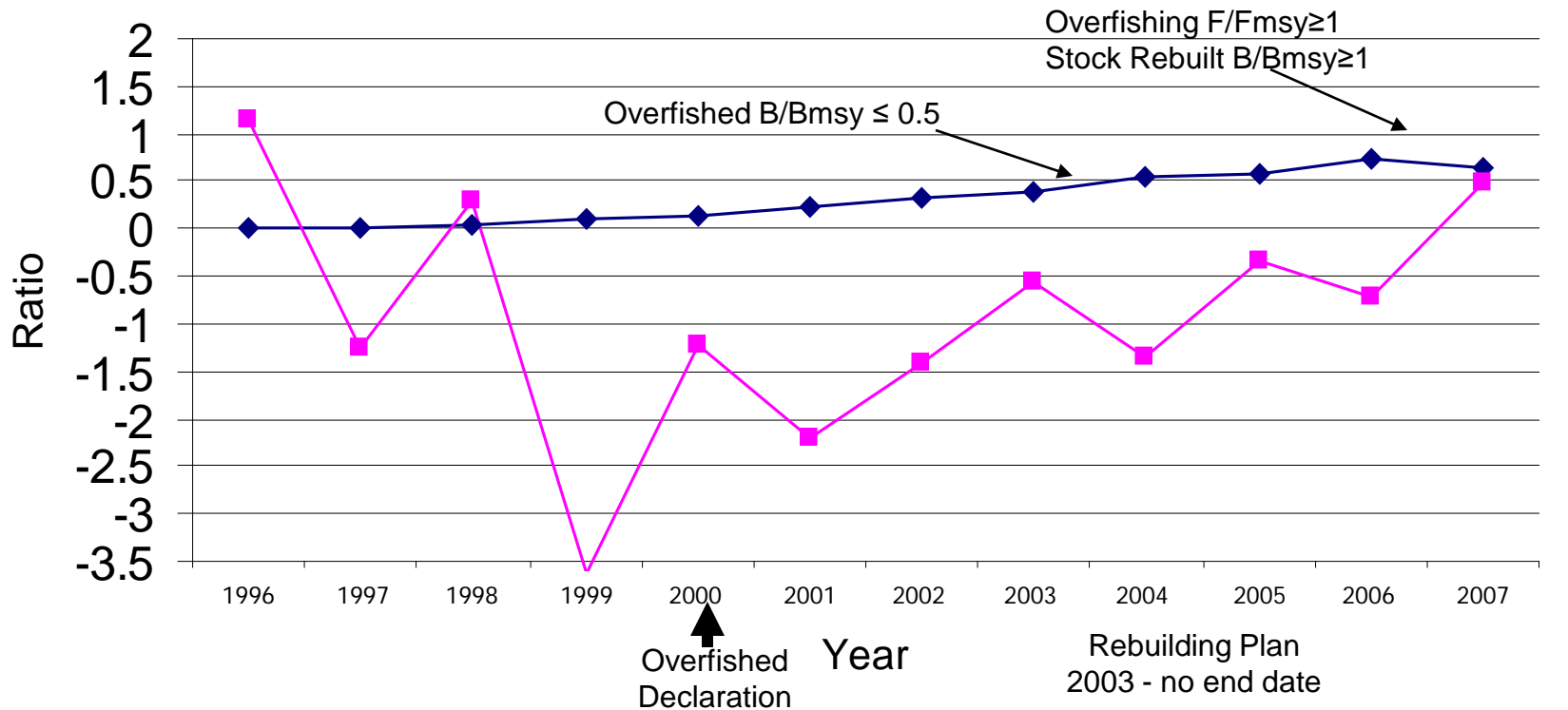


Figure A2. Northeast Region Barndoor Skate – Georges Bank / Southern New England has a controlled fishing mortality and biomass is rebuilding. Bmsy proxy is in kg/tow. Overfishing occurs if there is greater than a 30% decrease in the 3-year moving average. Thus, a negative ratio represents an increase in the moving average, which is good. A ratio  $\geq 1$  represents a stock that is subject to overfishing.

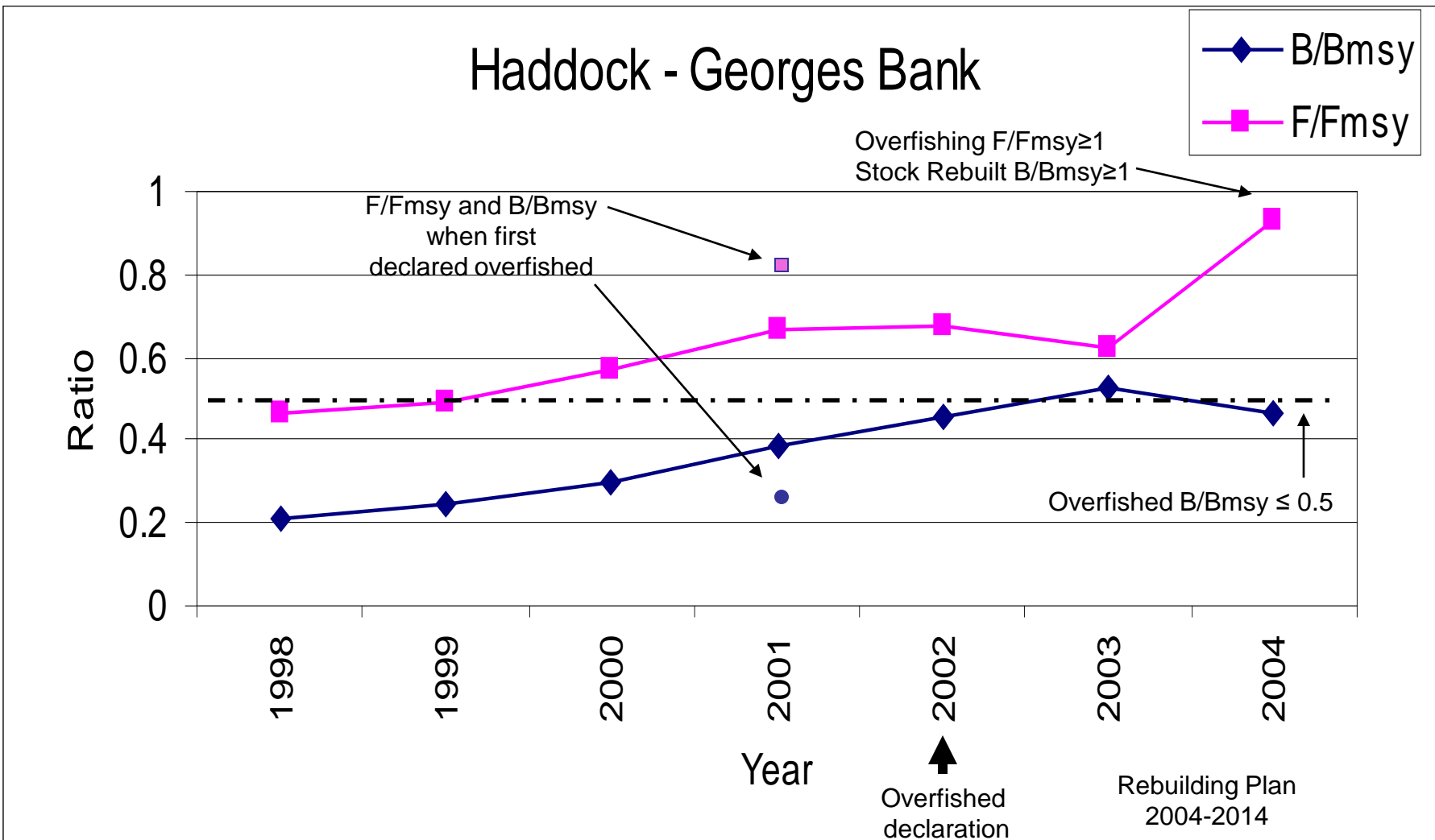


Figure A3. Northeast Region Haddock – Georges Bank has a controlled fishing mortality and biomass is rebuilding. NOTE: This graph includes data through 2004; it does not include the results of GARM III. Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

# Haddock - Gulf of Maine

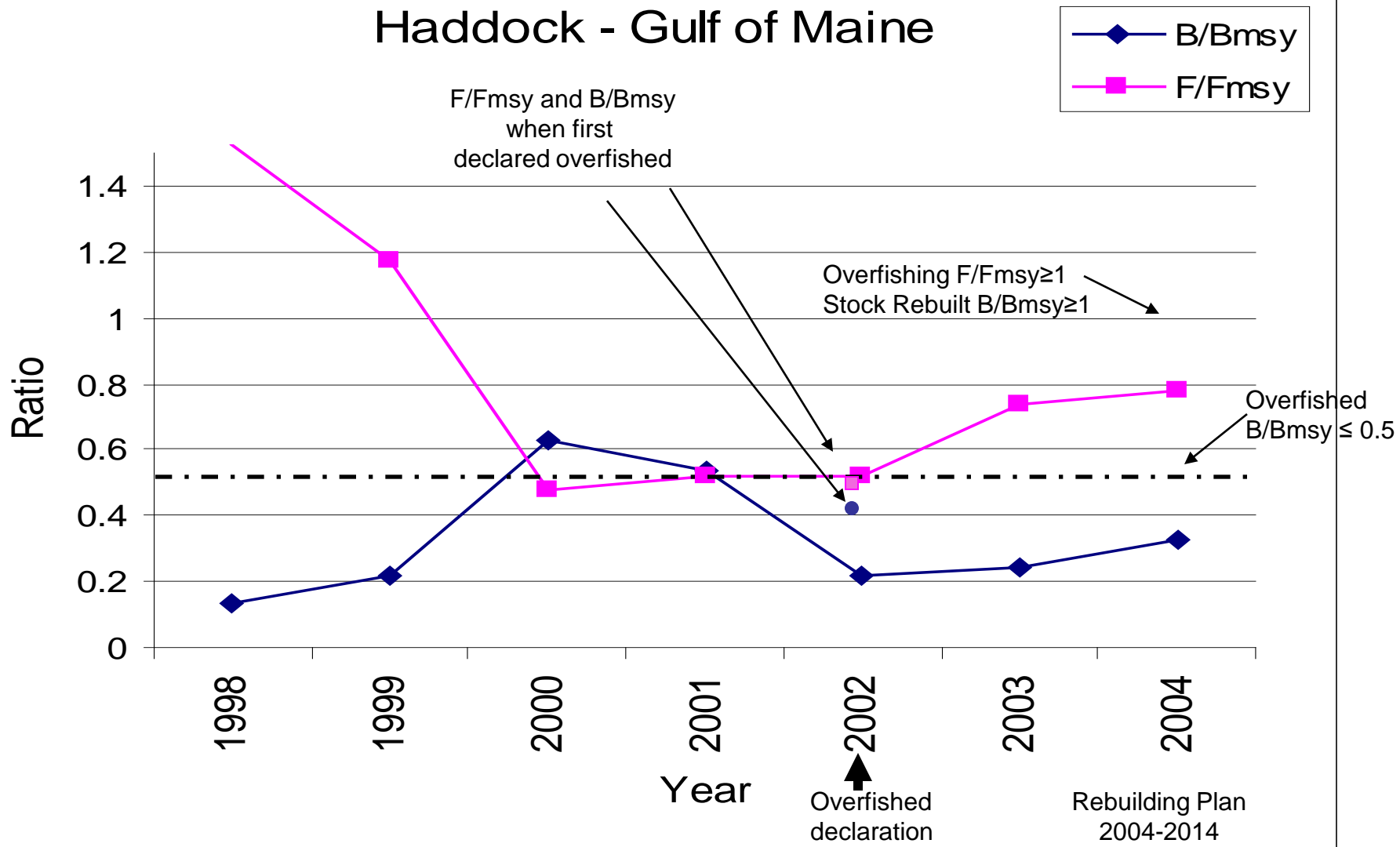


Figure A4. Northeast Region Haddock – Gulf of Maine has a controlled fishing mortality and biomass has increased following the overfished declaration.  $B_{msy}$  proxy is in kg/tow. NOTE: This graph includes data through 2004; it does not include the results of GARM III. Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

# Pollock – Gulf of Maine / Georges Bank

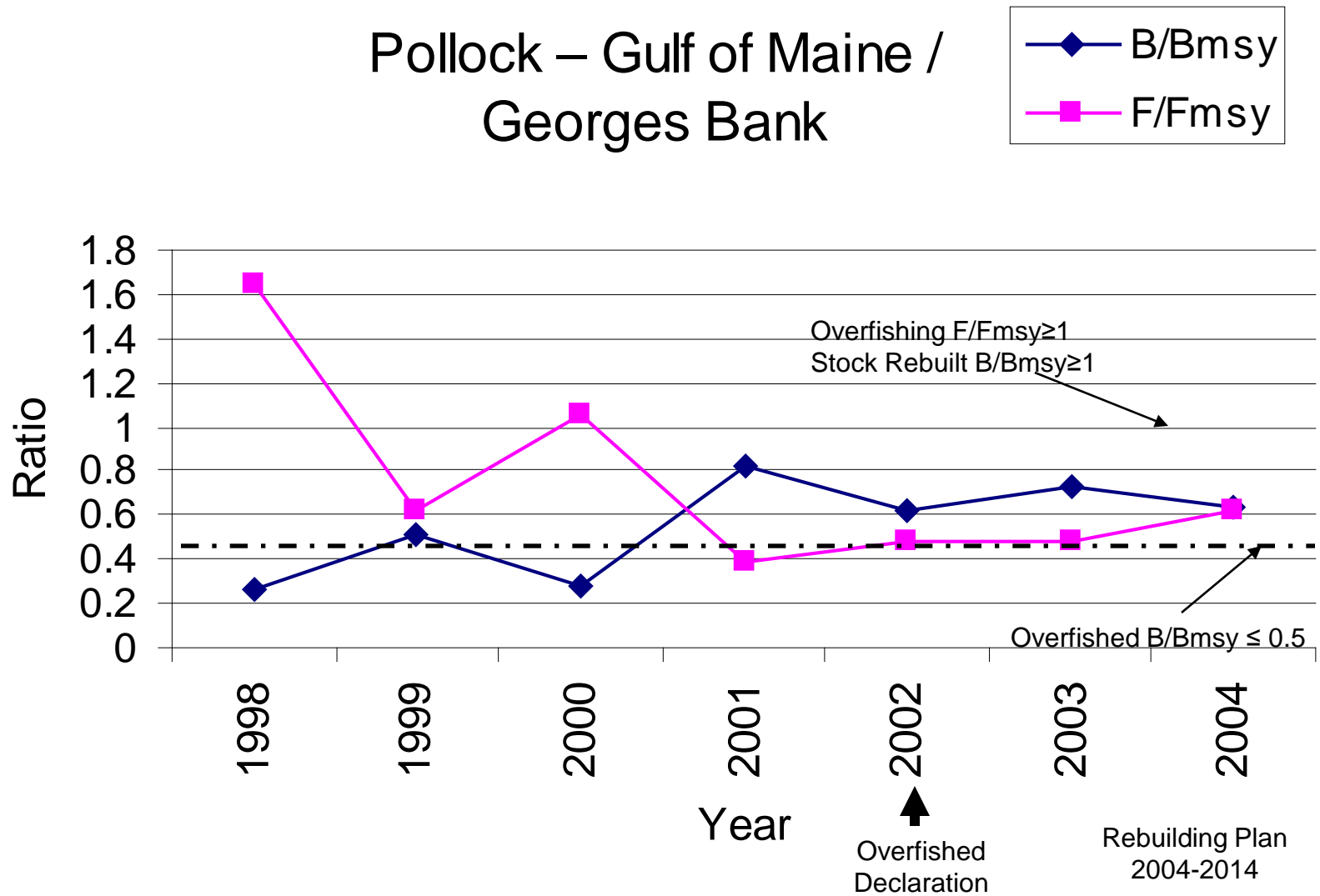


Figure A5. Northeast Region Pollock – Gulf of Maine / Georges Bank has a controlled fishing mortality and biomass is rebuilding. Bmsy proxy is in kg/tow. NOTE: This graph includes data through 2004; it does not include the results of GARM III. Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

# Black Sea Bass - Mid-Atlantic Coast

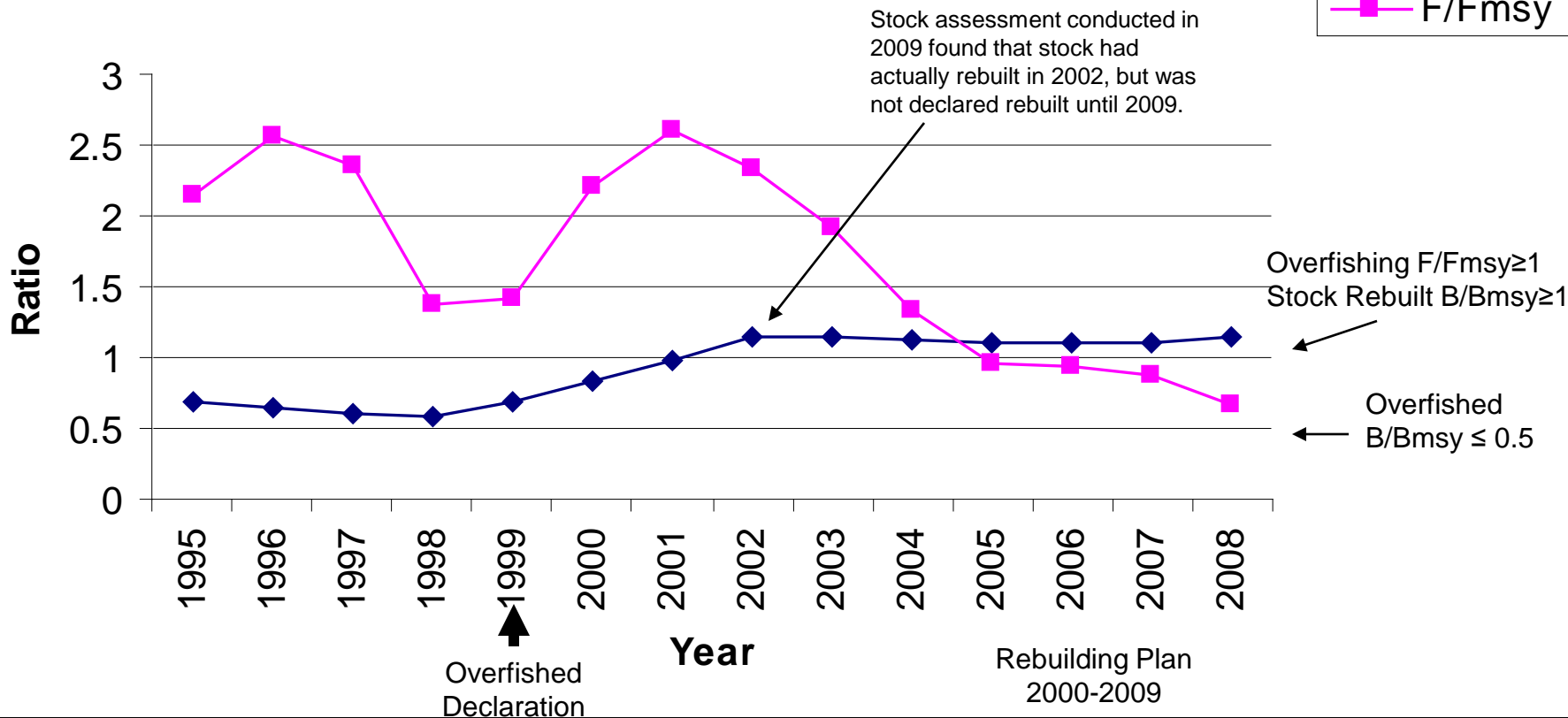


Figure A6. Northeast Region Black Sea Bass – Mid-Atlantic Coast has a controlled fishing mortality and biomass has rebuilt to target level.

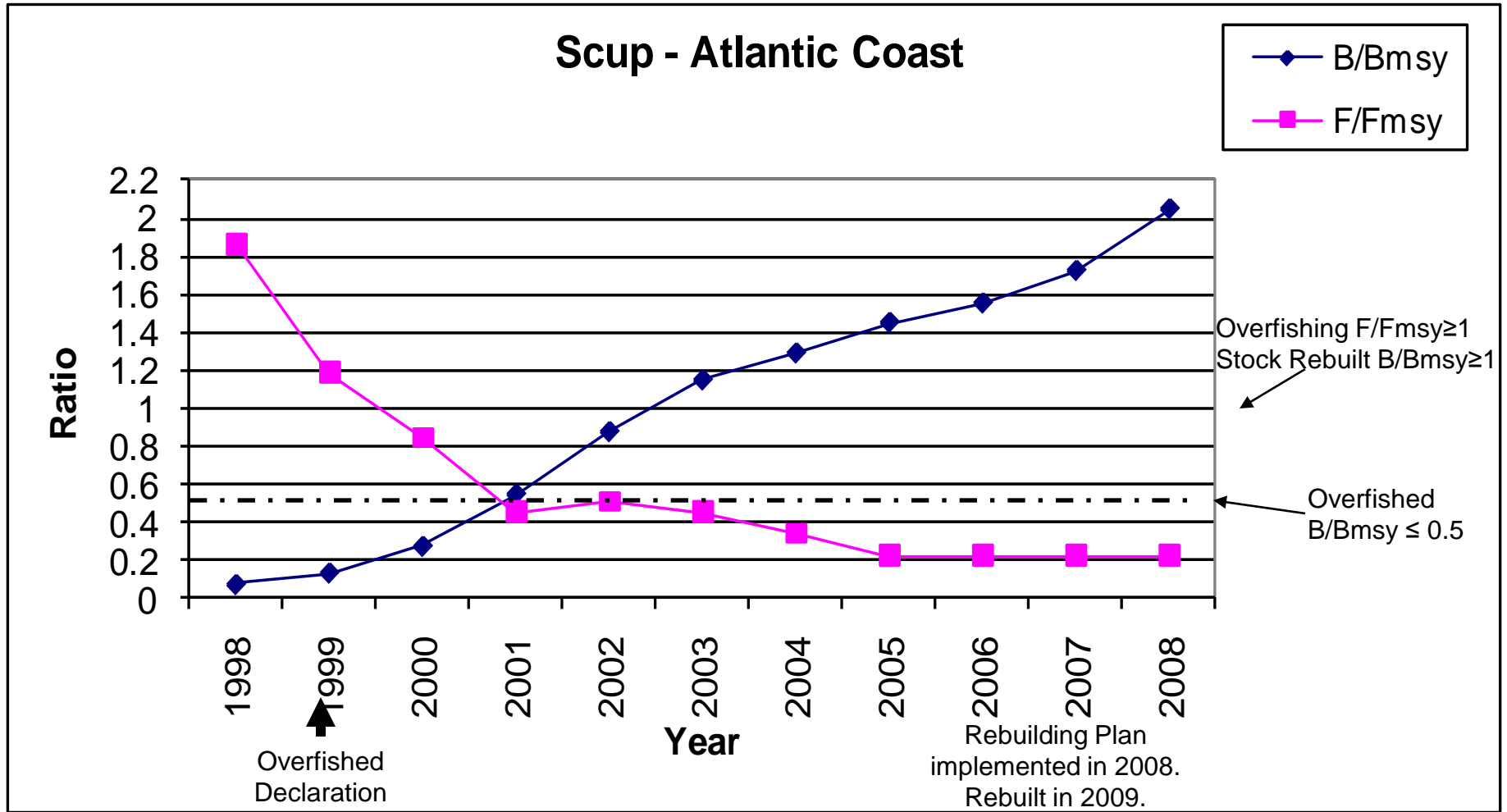


Figure A7. Northeast Region Scup - Atlantic Coast has a controlled fishing mortality and biomass has rebuilt to target level. NOTE:  $B_{target}$  was revised in the 2008/2009 stock assessment; previously a survey index of 2.77 kg/tow was used, but was later revised to 92,044 mt. This revision resulted in the stock being declared rebuilt in 2009, but also showed that the stock had actually been rebuilt in 2003. Although the first proposed rebuilding plan had been disapproved and a plan was not fully implemented until 2008, measures were in place to control fishing mortality since the stock was declared overfished.

# Spiny Dogfish - Atlantic Coast

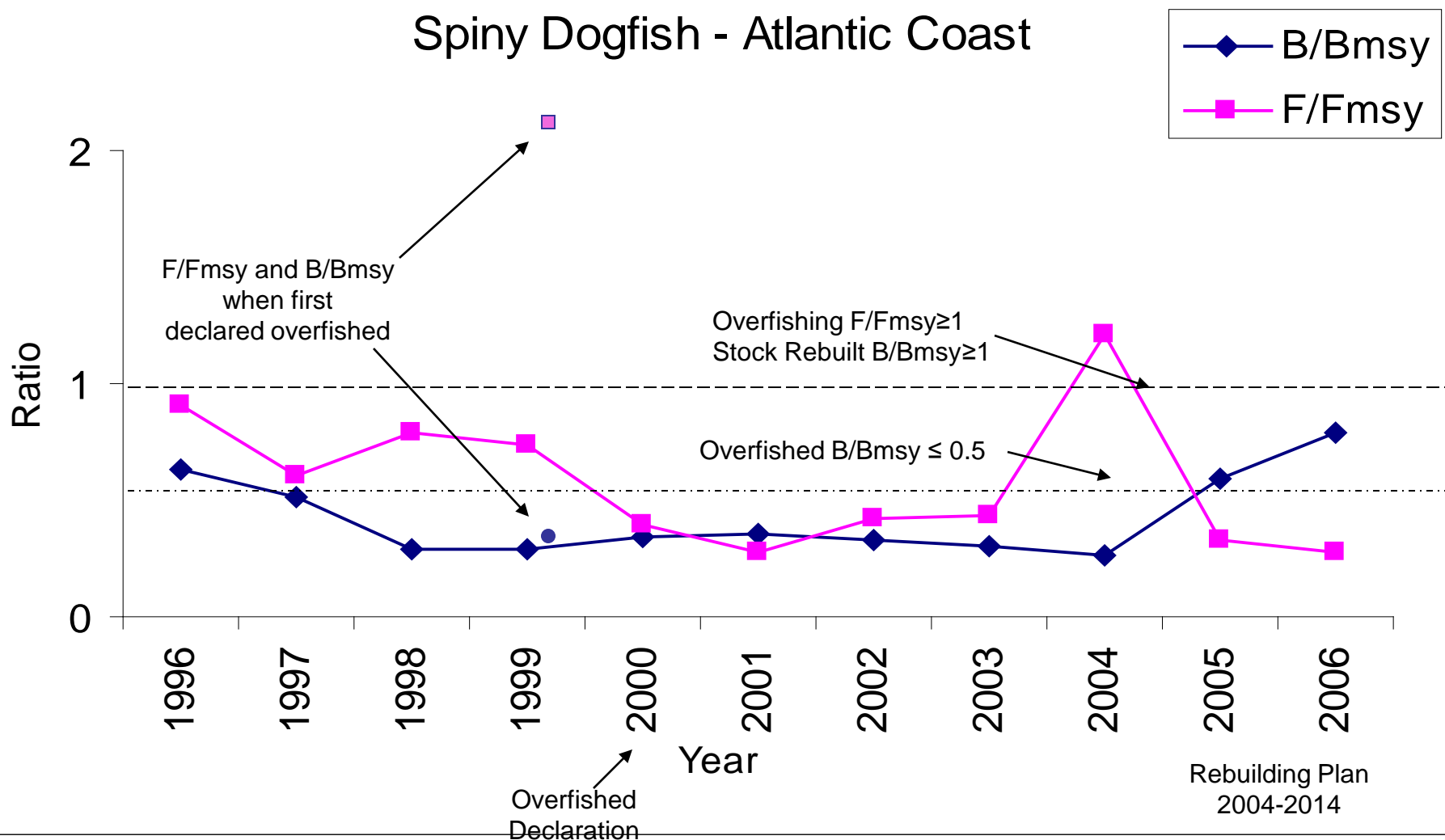


Figure A8. Northeast Region Spiny Dogfish – Atlantic Coast has a controlled fishing mortality and biomass is rebuilding.  $B_{msy}$  proxy is in female biomass. Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.



# Summer Flounder - Mid-Atlantic Coast

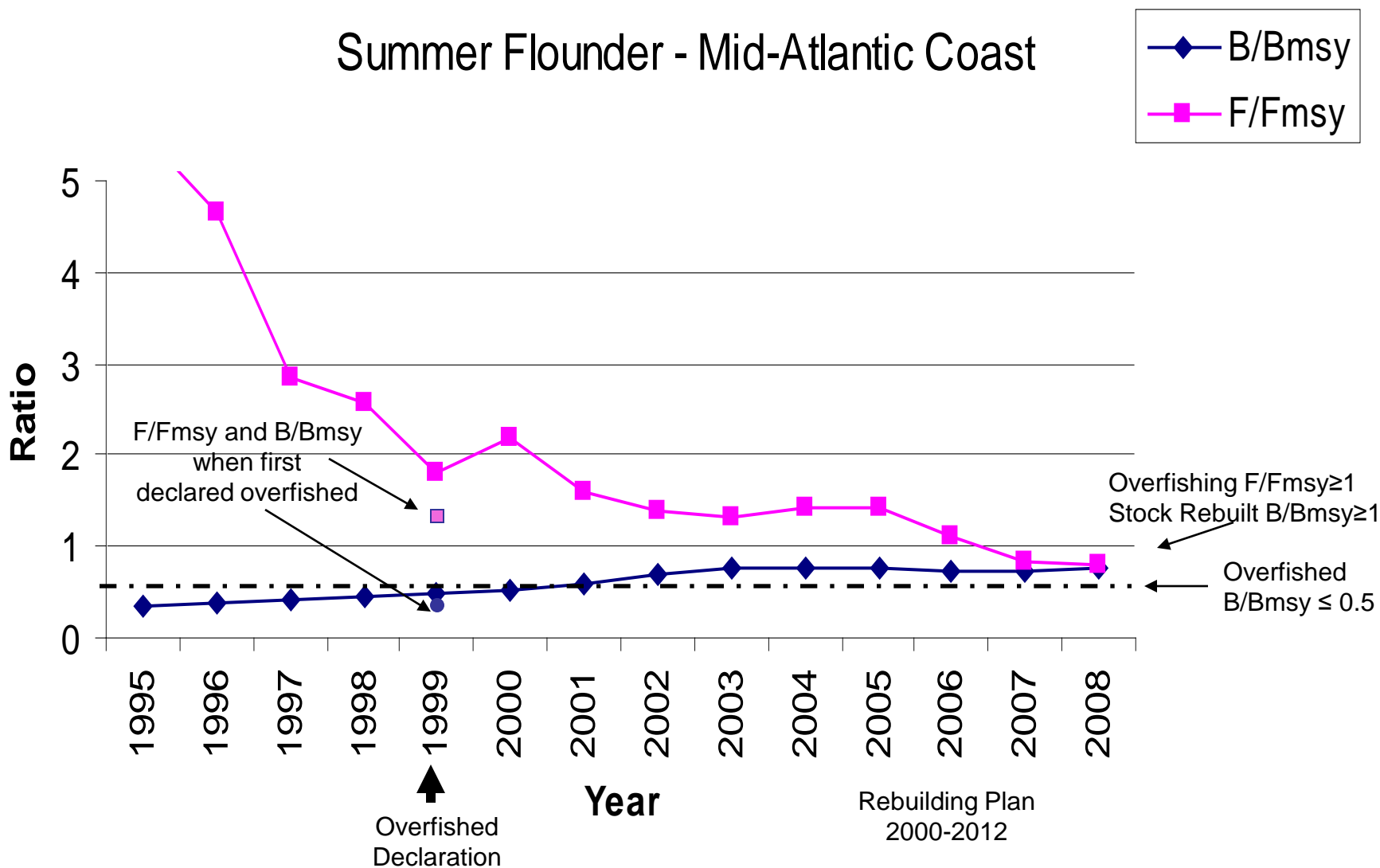


Figure A9. Northeast Region Summer Flounder – Mid-Atlantic Coast has a controlled fishing mortality and biomass is rebuilding.  $B_{msy}$  proxy is spawning biomass ( $SB_{msy}$ ). Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates

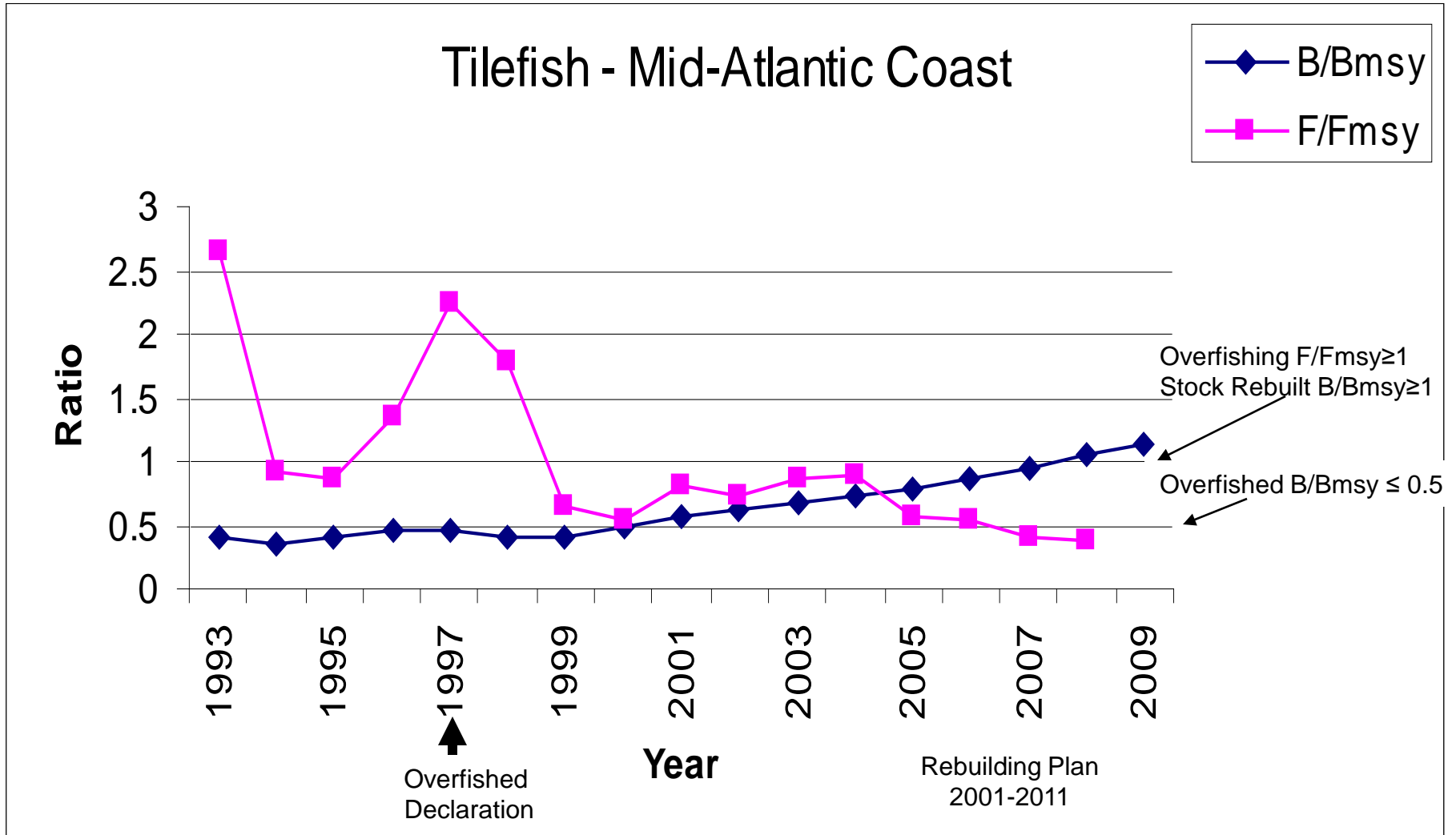


Figure A10. Northeast Region Tilefish – Mid-Atlantic Coast has a controlled fishing mortality and biomass is rebuilding. Although most recent year's biomass estimate is greater than  $B_{msy}$ , this stock has not been declared rebuilt due to the large uncertainty of this estimate.

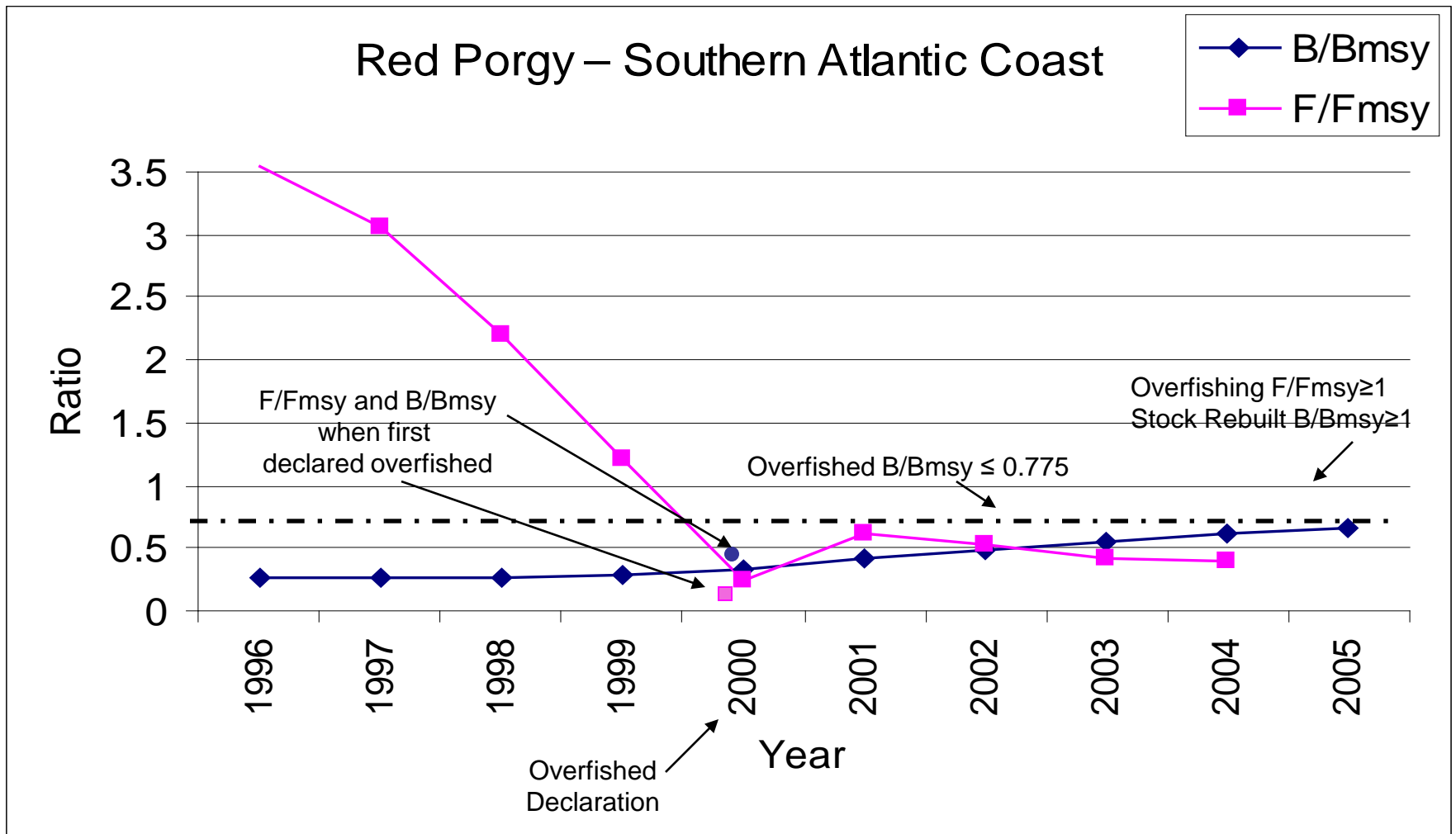


Figure A11. South Atlantic Region Red Porgy – Southern Atlantic Coast has a controlled fishing mortality and biomass is rebuilding as expected. Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

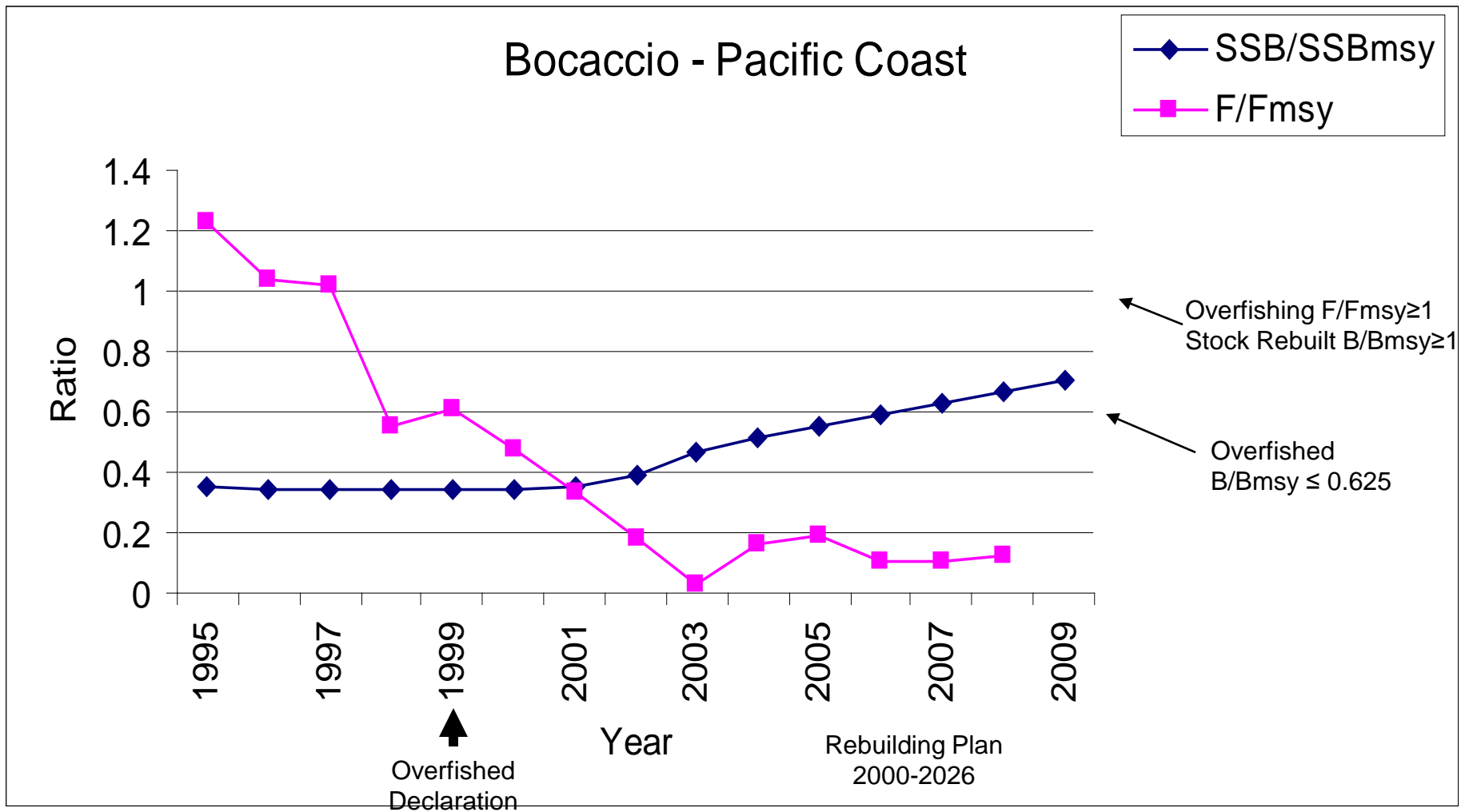


Figure A12. Northwest Region Bocaccio – Pacific Coast has a controlled fishing mortality and biomass is rebuilding as expected. NOTE: Overfishing determination is made on the basis of catch data, but F estimates were used to determine what the estimated fishing mortality was in each year.

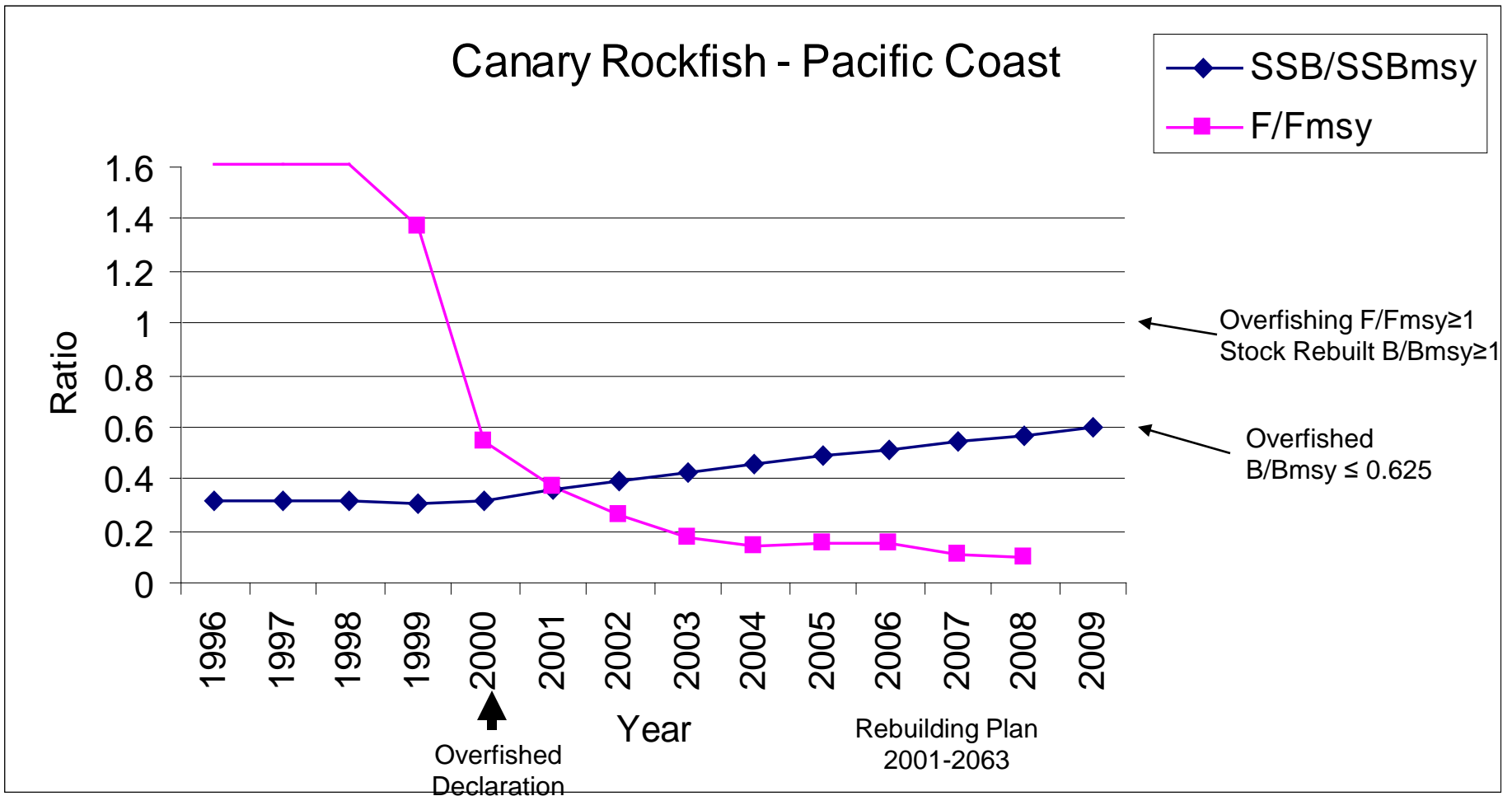


Figure A13. Northwest Region Canary Rockfish – Pacific Coast has a controlled fishing mortality and biomass is rebuilding as expected. NOTE: Overfishing determination is made on the basis of catch data, but F estimates were used to determine what the estimated fishing mortality was in each year.

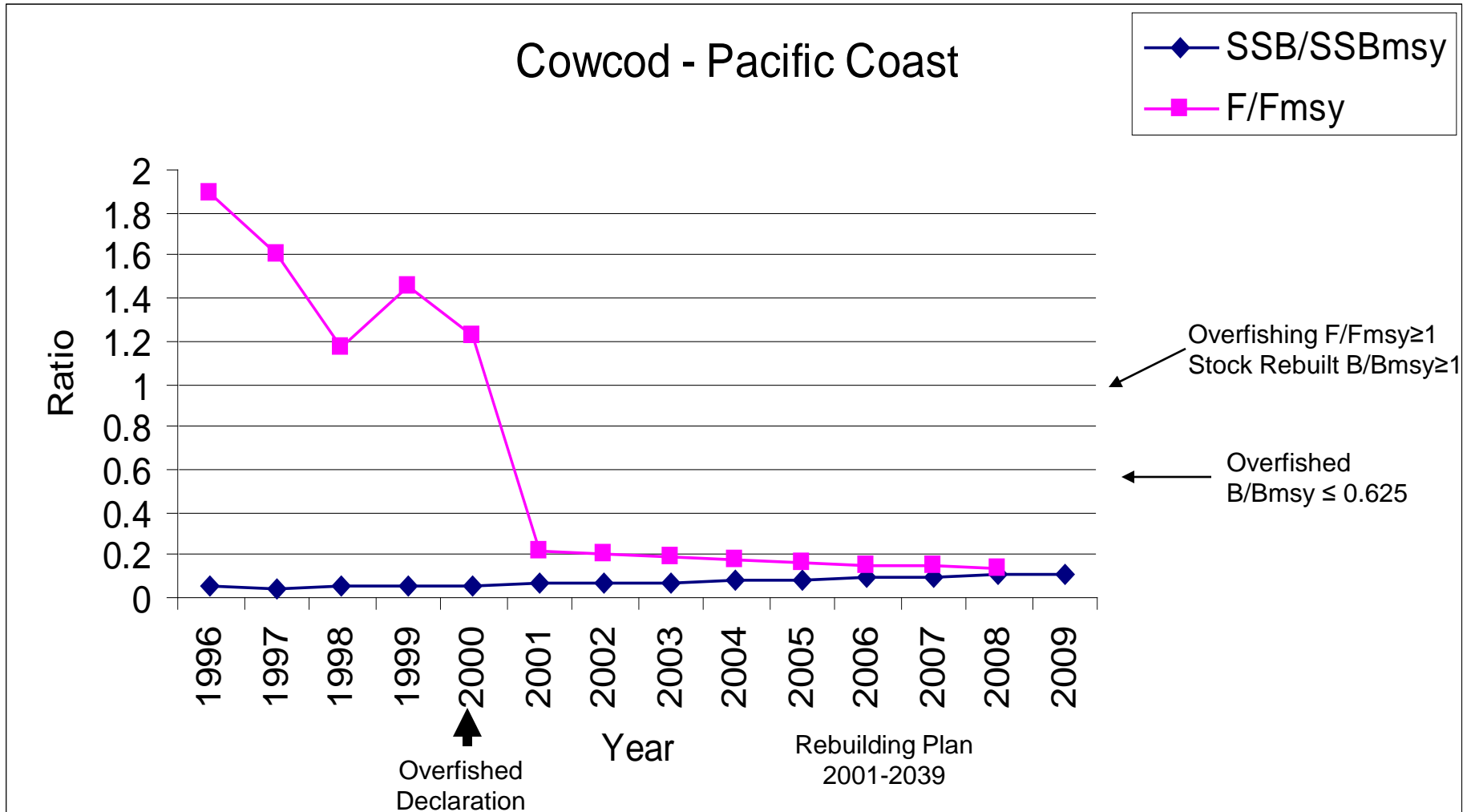


Figure A14. Northwest Region Cowcod – Pacific Coast has a controlled fishing mortality and biomass is rebuilding as expected. NOTE: Overfishing determination is made on the basis of catch data, but F estimates were used to determine what the estimated fishing mortality was in each year.

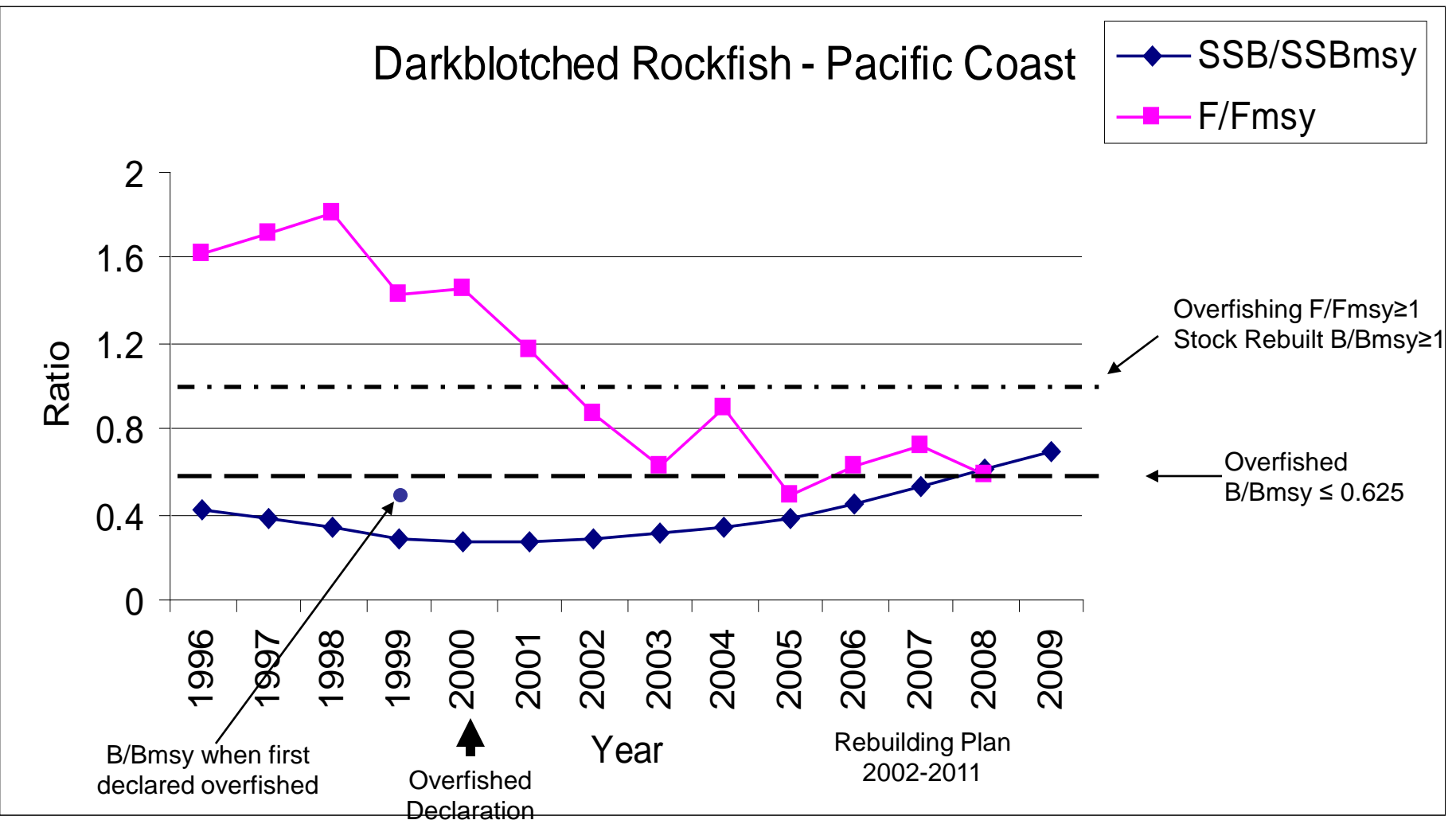


Figure A15. Northwest Region Darkblotched Rockfish – Pacific Coast has a controlled fishing mortality and biomass is rebuilding as expected. NOTE: Overfishing determination is made on the basis of catch data, but F estimates were used to determine what the estimated fishing mortality was in each year. Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

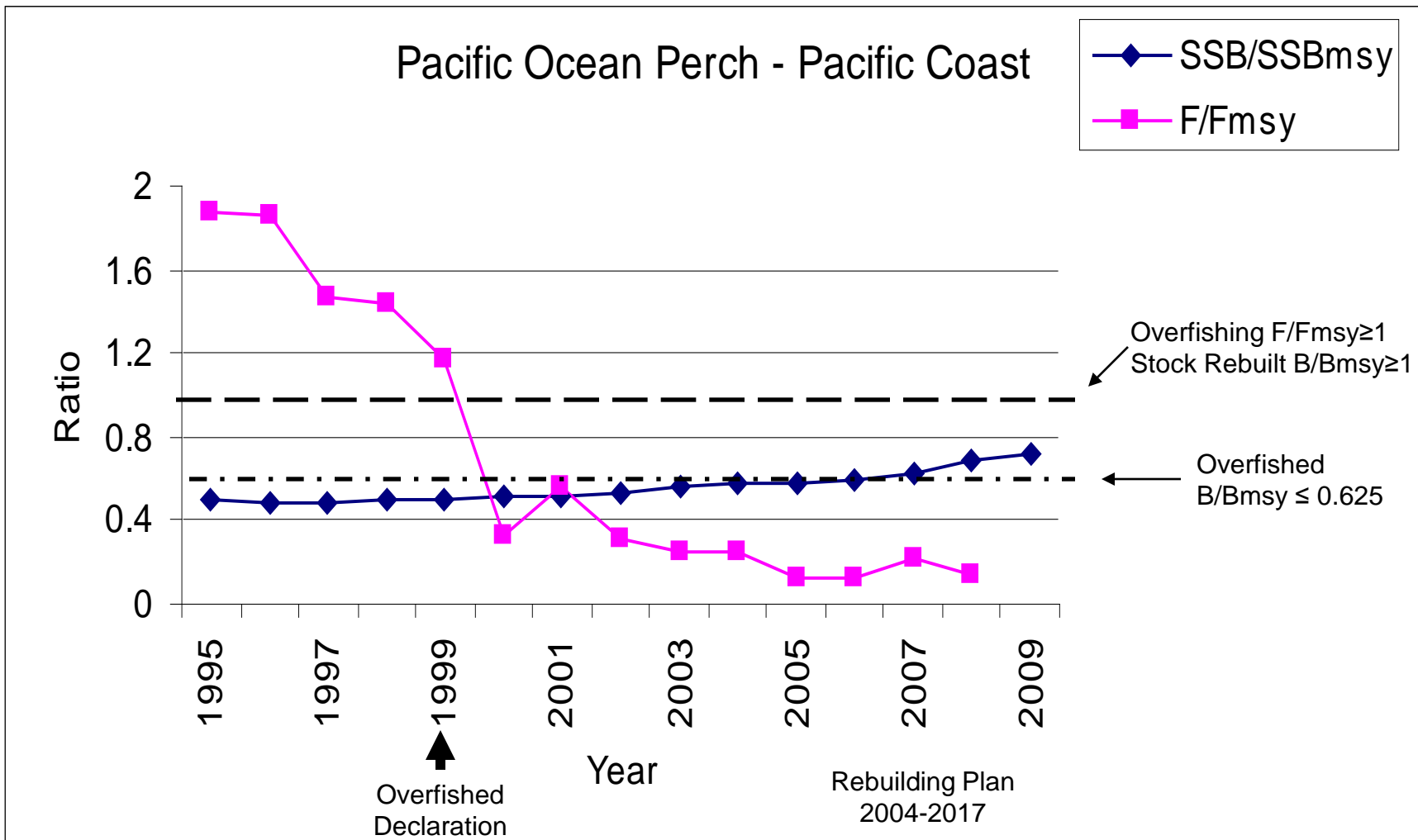


Figure A16. Northwest Region Pacific Ocean Perch – Pacific Coast has a controlled fishing mortality and biomass is rebuilding as expected. NOTE: Overfishing determination is made on the basis of catch data, but F estimates were used to determine what the estimated fishing mortality was in each year.



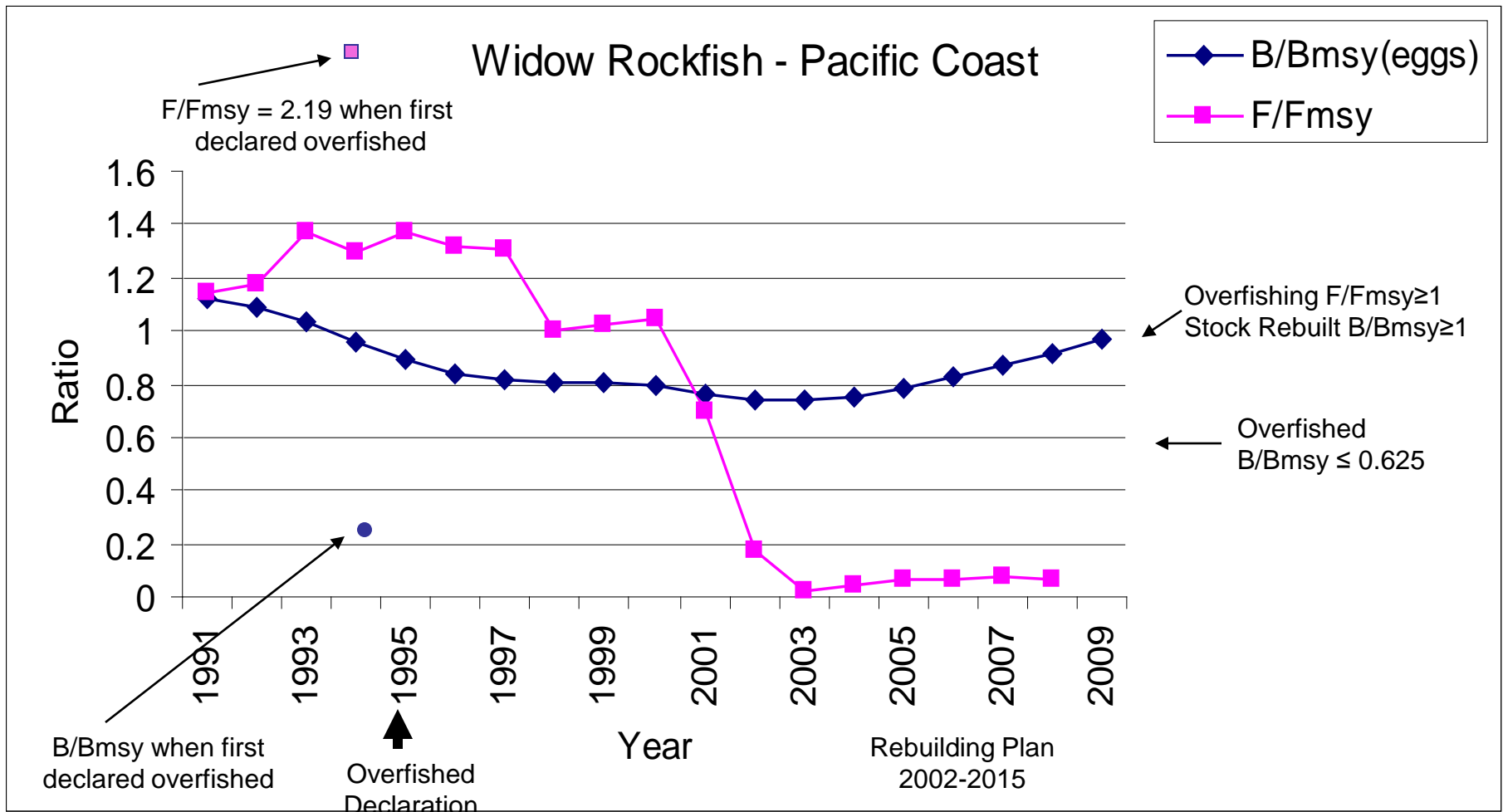


Figure A17. Northwest Region Widow Rockfish – Pacific Coast has a controlled fishing mortality and biomass is rebuilding as expected. NOTE: Overfishing determination is made on the basis of catch data, but  $F$  estimates were used to determine what the estimated fishing mortality was in each year. Due to the periodic recalculation of  $F$  and  $B$  by stock assessment scientists, the initial estimates of  $F$  and  $B$  used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

## Yelloweye Rockfish - Pacific Coast

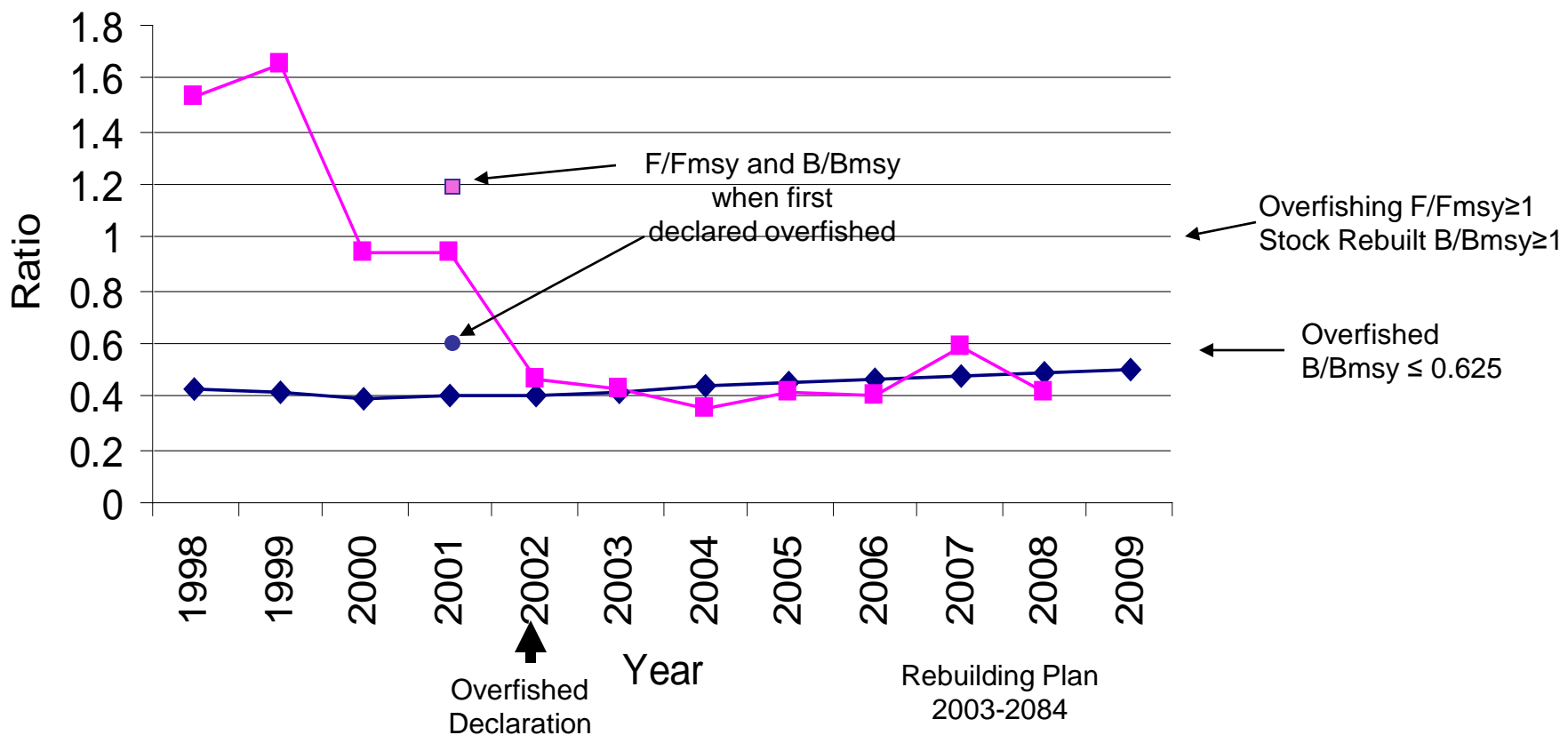


Figure A18. Northwest Region Yelloweye Rockfish – Pacific Coast has a controlled fishing mortality and biomass is rebuilding as expected. NOTE: Overfishing determination is made on the basis of catch data, but F estimates were used to determine what the estimated fishing mortality was in each year. Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

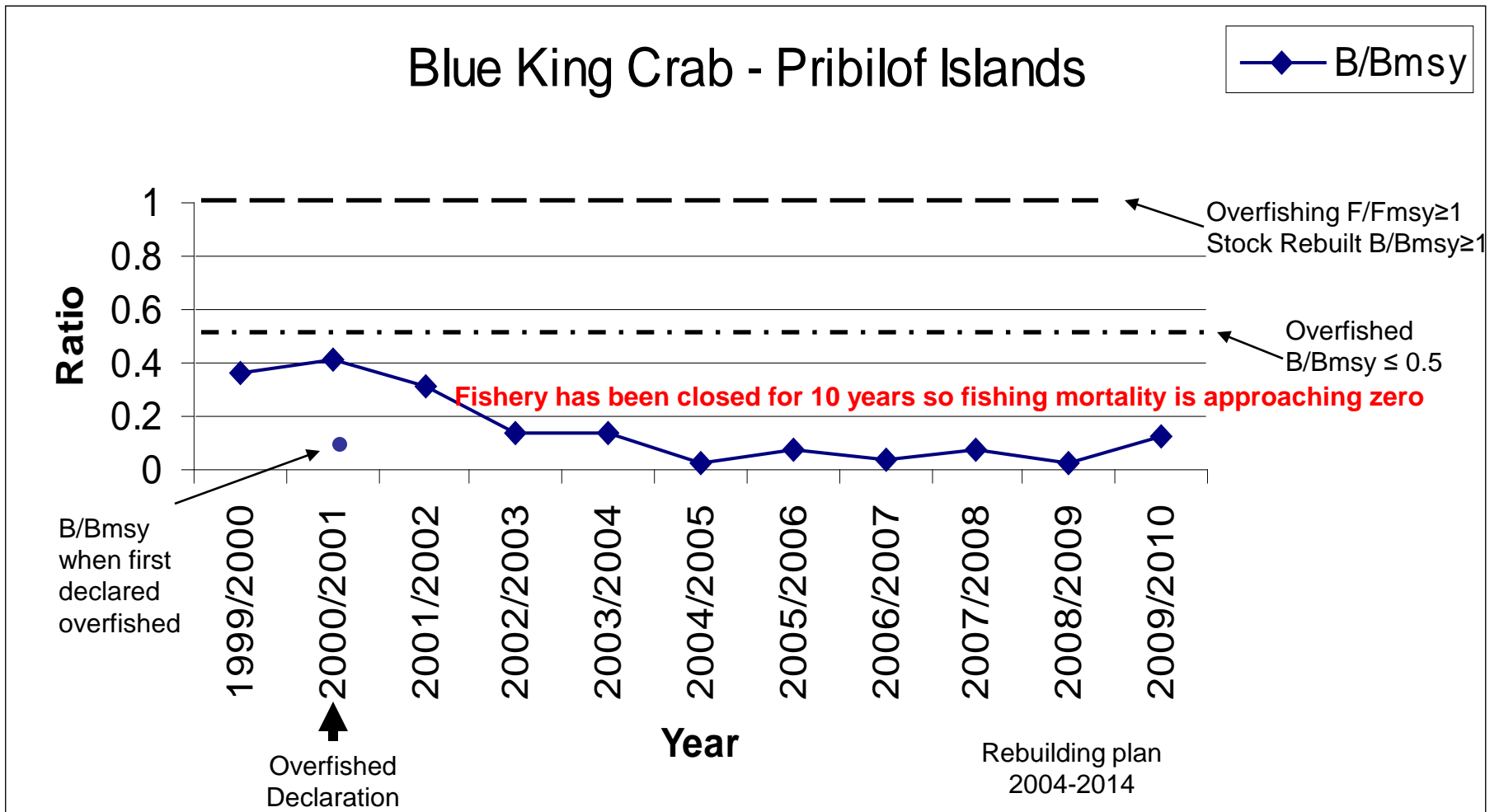


Figure A19. Alaska Region Blue King Crab – Pribilof Islands has a controlled fishing mortality and biomass is rebuilding as expected. Due to the periodic recalculation of  $F$  and  $B$  by stock assessment scientists, the initial estimates of  $F$  and  $B$  used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

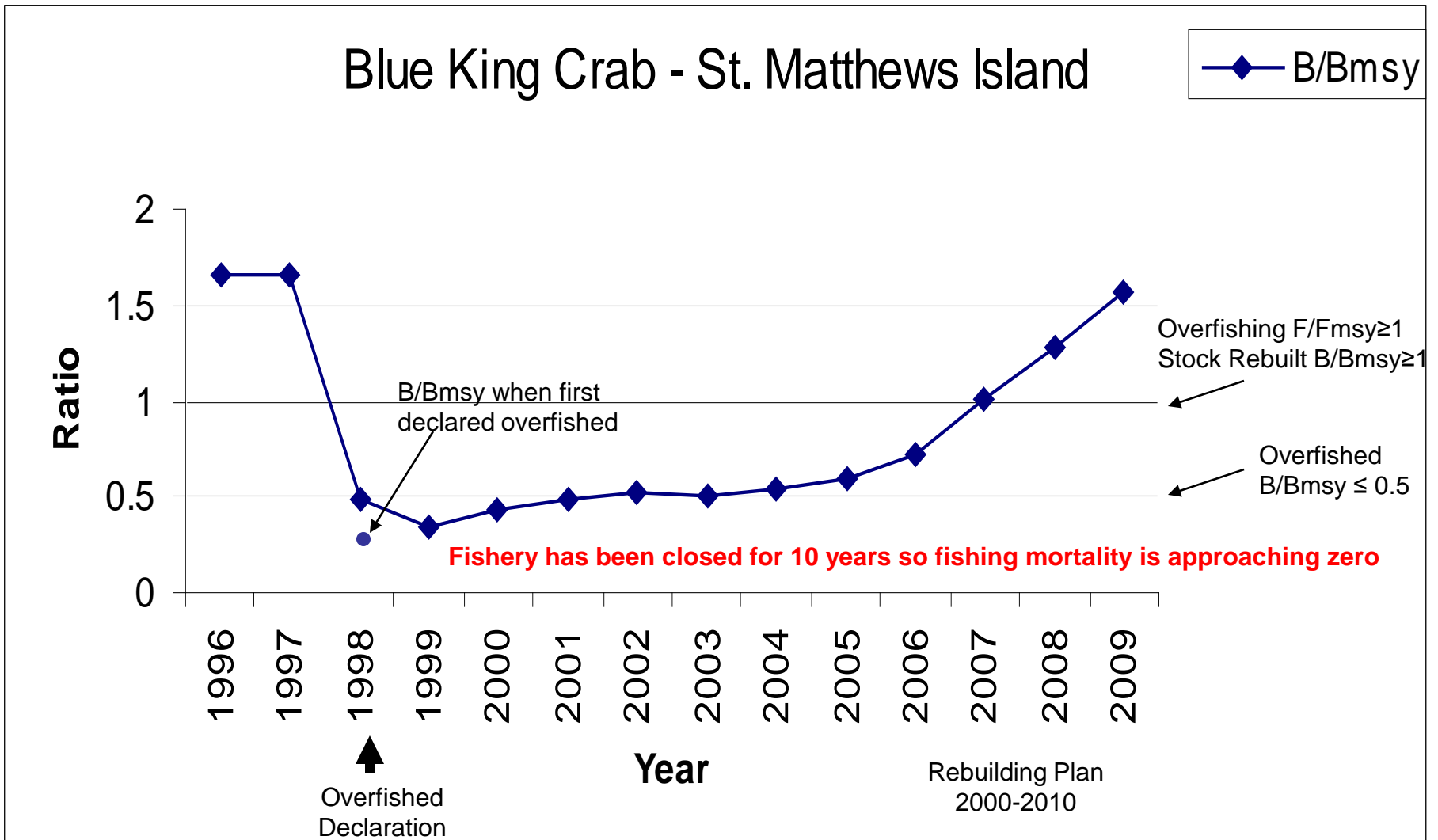


Figure A20. Alaska Region Blue King Crab – St. Matthews Island has a controlled fishing mortality and biomass has rebuilt to target level. Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

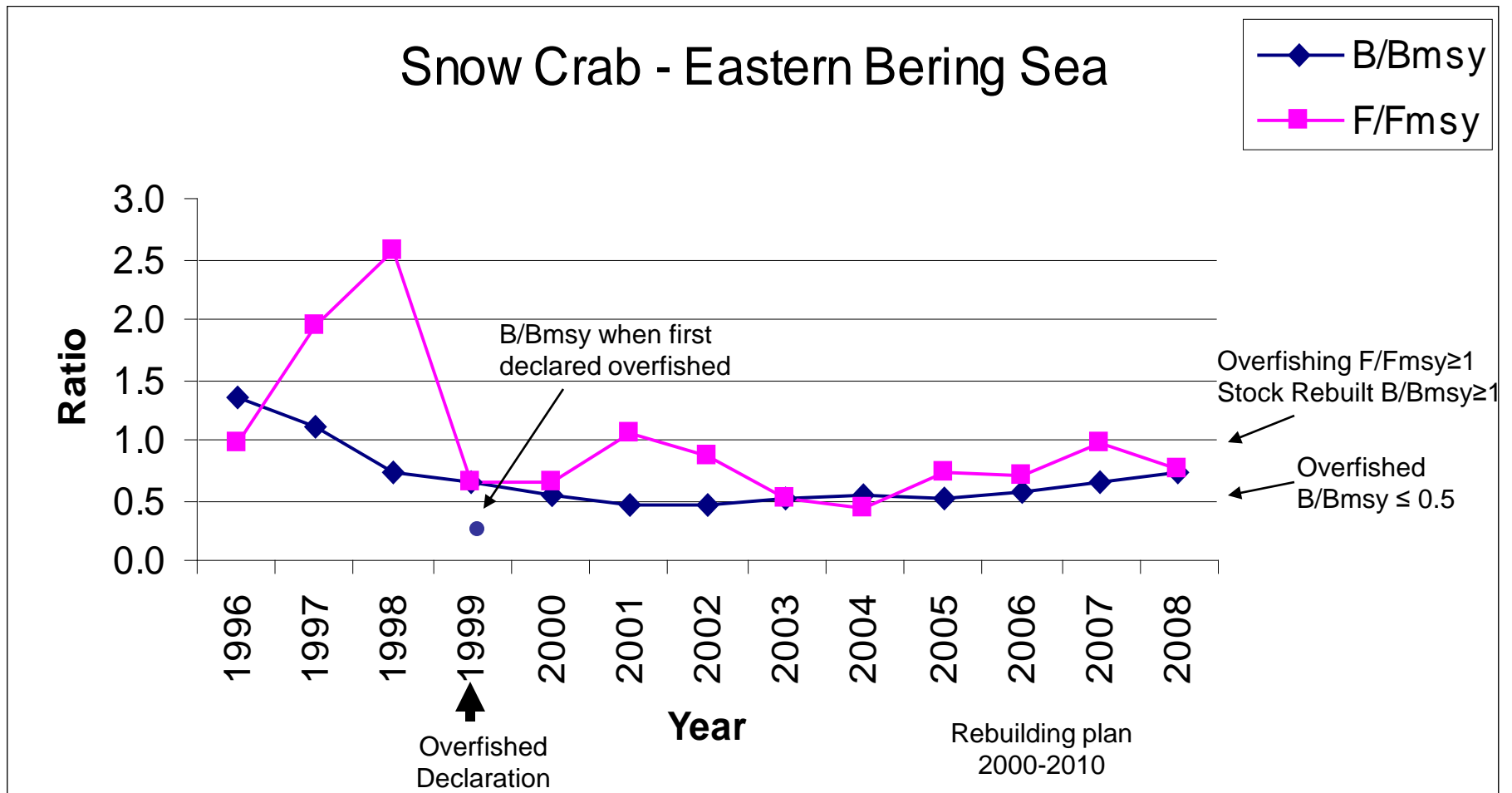


Figure A21. Alaska Region Snow Crab – Eastern Bering Sea has a controlled fishing mortality and biomass is rebuilding as expected. NOTE: Overfishing determination is made on the basis of catch data, but F estimates were used to determine what the estimated fishing mortality was in each year. In this case, the more recent  $F_{35\%}$  was used to calculate  $F/F_{msy}$ . Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.

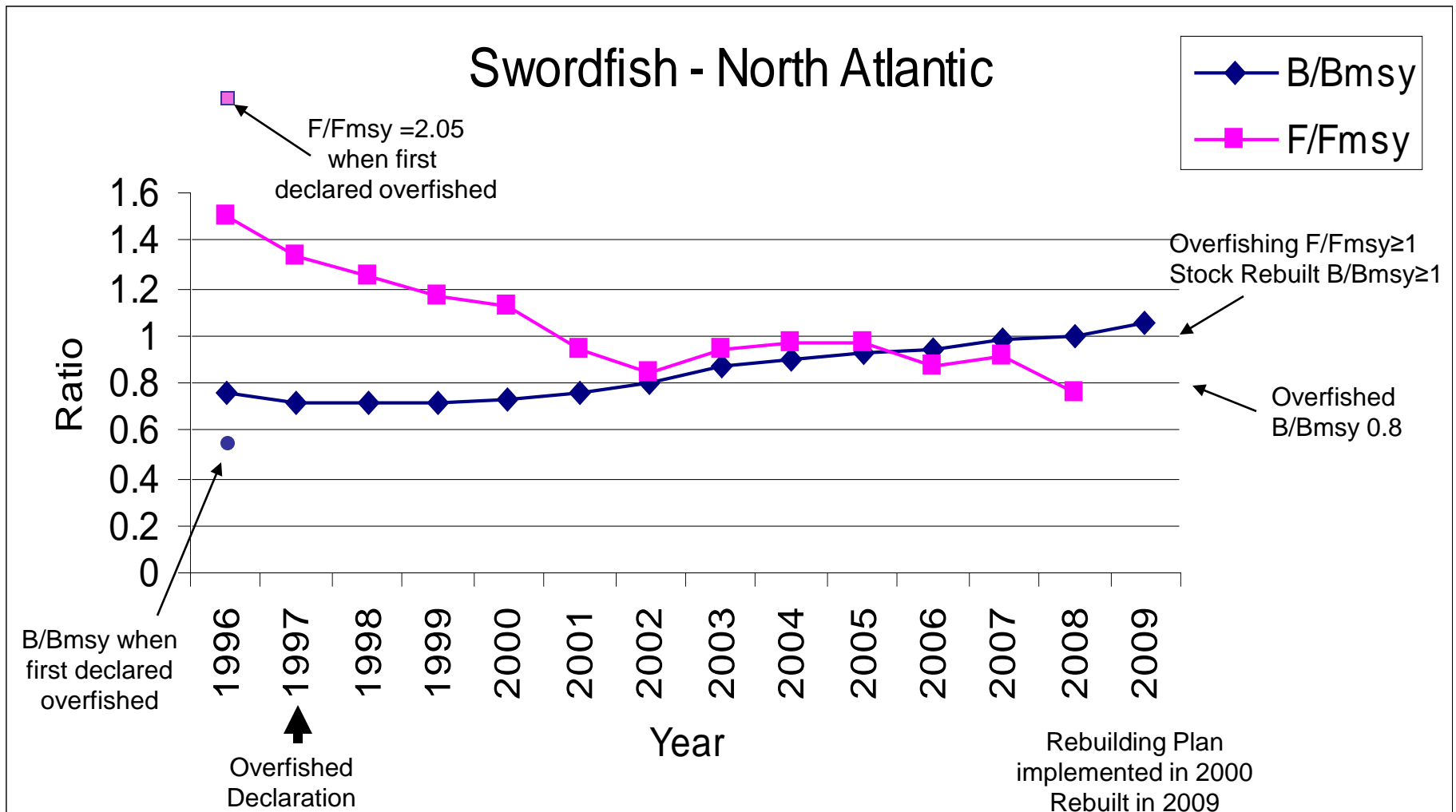


Figure A22. Highly Migratory Species Swordfish - North Atlantic has a controlled fishing mortality and biomass has rebuilt to target level. Due to the periodic recalculation of F and B by stock assessment scientists, the initial estimates of F and B used in the overfished declaration are included to illustrate the uncertainty of stock assessment estimates.