

Multispecies Monitoring Report

1999

Projection Results used in the 1999 MSMC Report

The following tables were developed by the *Northern Demersal Working Group for use in the Report of the SAW Northern Demersal Working Group Inter-session Meeting – July 1999 Assessment of 11 Northeast Groundfish Stocks through 1999. A Report to the NEFMC Multispecies Monitoring Committee* or were generated by Northern Demersal Working group at the request of the MSMC. $F_{\text{control rule}}$ is the literal interpretation of Amendment 9 control rule, F_{MSMC} is the adjusted Amendment 9 control rule that rebuilds stock to Bmsy within the Amendment 9 time schedule

The order of the projections are as follows:

A. Georges Bank cod

1. A1-A3 Amendment 7 $F_{0.1} = 0.18$
2. A4-A6 Amendment 9 control rule $F_{\text{control rule}} = 0.185$
3. A7-A9 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.093$

B. Georges Bank haddock

1. B1-B3 Amendment 7 $F_{0.1} = 0.26$
2. B4-B6 Amendment 9 control rule $F_{\text{control rule}} = 0.00$
3. B7-B9 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.060$

C. Georges Bank yellowtail cod

1. C1-C3 Amendment 7 $F_{0.1} = 0.247$
2. C5-C7 Amendment 9 control rule $F_{\text{control rule}} = 0.50$
3. C8-C11 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.375$

D. Southern New England yellowtail

1. D1-D4 Amendment 7 $F_{0.1} = 0.268$
2. D5-D7 Amendment 9 control rule $F_{\text{control rule}} = 0.00$
3. D8-D11 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.166$

E. Gulf of Maine cod

1. E1-E3 Amendment 7 $F_{0.1} = 0.15$
2. E4-E6 Amendment 7 $F_{\text{MAX}} = 0.27$
3. E7-E9 Amendment 9 control rule $F_{\text{control rule}} = 0.22$
4. E10-E12 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.100$

F. White Hake

1. F1-F5 Amendment 9 control rule $F_{\text{control rule}} = 0.00$
2. F6-F10 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.064$

G. Cape Cod yellowtail

1. G1- G4 Amendment 9 control rule $F_{\text{control rule}} = 0.070$
2. G5-G8 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.500$

H. American Plaice

1. H1-H4 Amendment 9 control rule $F_{\text{control rule}} = 0.020$
2. H5-H8 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.105$

I. Witch flounder

1. I1-I4 Amendment 9 control rule $F_{\text{control rule}} = 0.110$

J. Georges Bank winter flounder

1. J1-J3 Amendment 9 control rule $F_{\text{control rule}} = 0.00$
2. J4-6 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.085$

K. Southern New England / Mid-Atlantic winter flounder

1. K1-K5 Amendment 9 control rule $F_{\text{control rule}} = 0.43$
2. K6-10 Adjusted Amendment 9 control rule $F_{\text{MSMC}} = 0.33$

