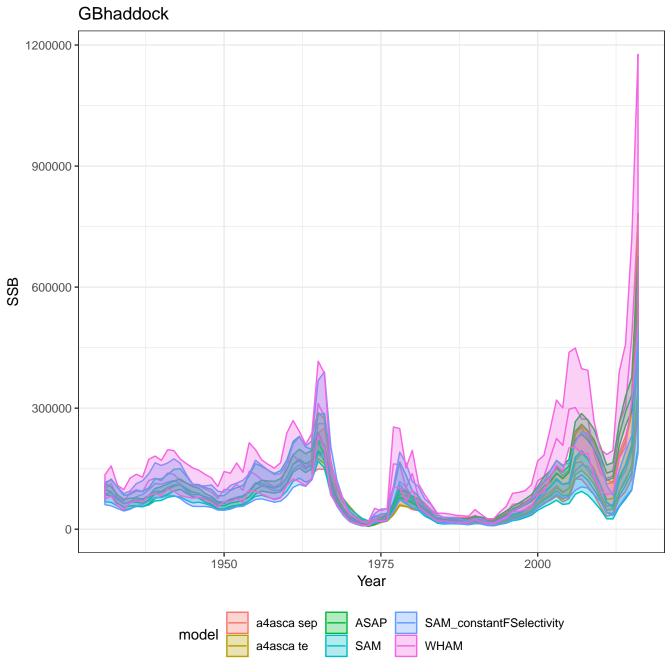


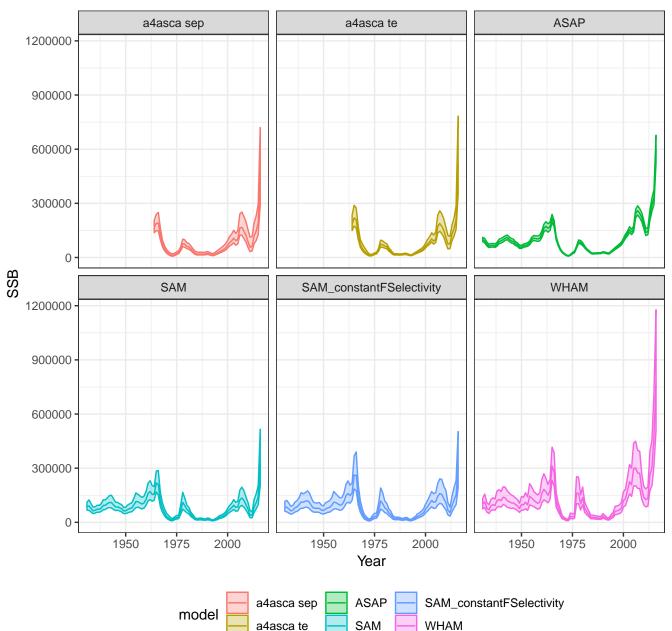
CCGOMyt ASAP a4asca sep a4asca te 60000 40000 20000 -0 SSB SAM SAM_constantFSelectivity **WHAM** 60000 -40000 20000 -0 2000 2010 1990 1990 2010 2000 1990 2000 2010 Year a4asca sep ASAP SAM_constantFSelectivity model

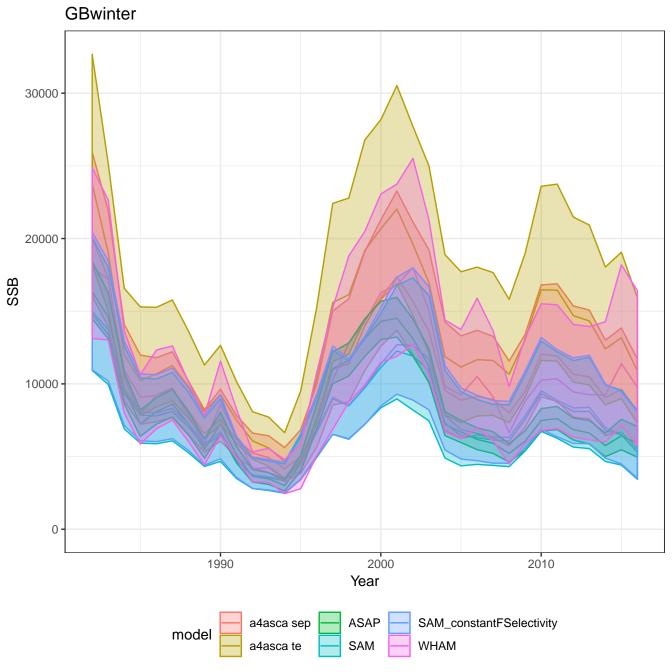
a4asca te

SAM

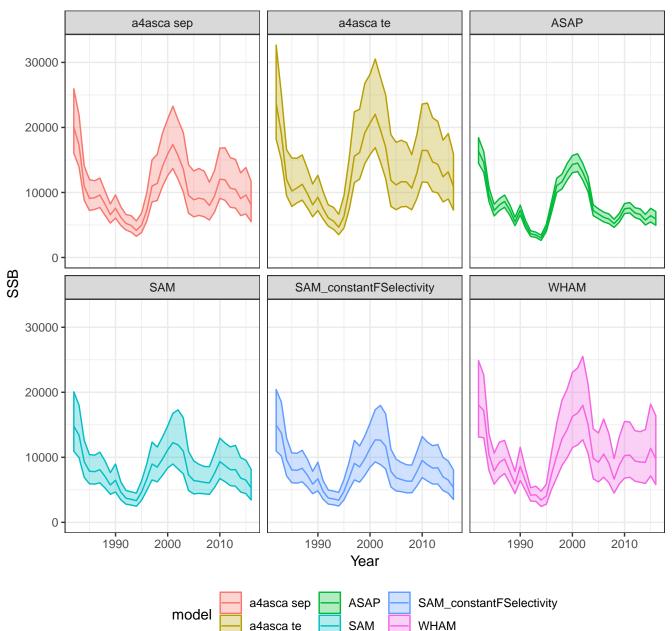


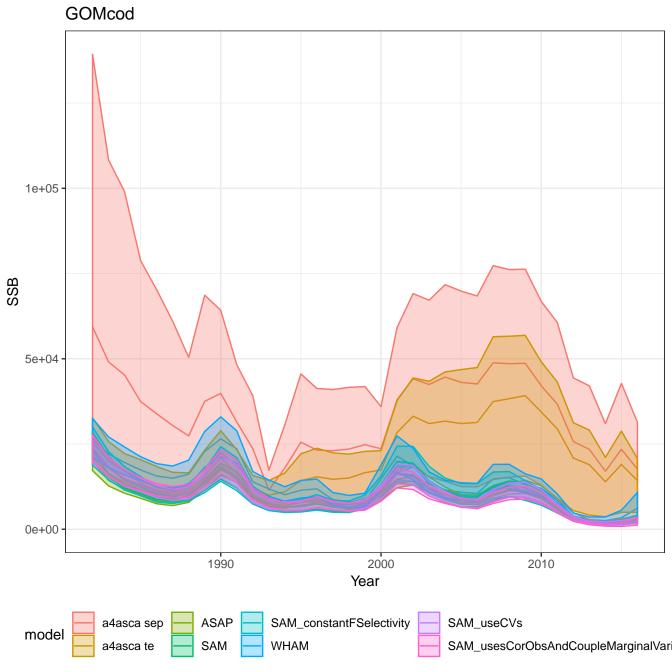
GBhaddock



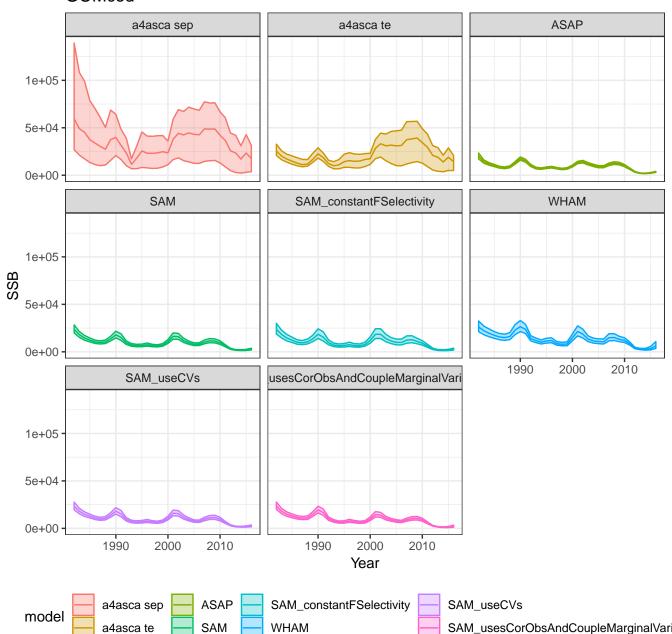


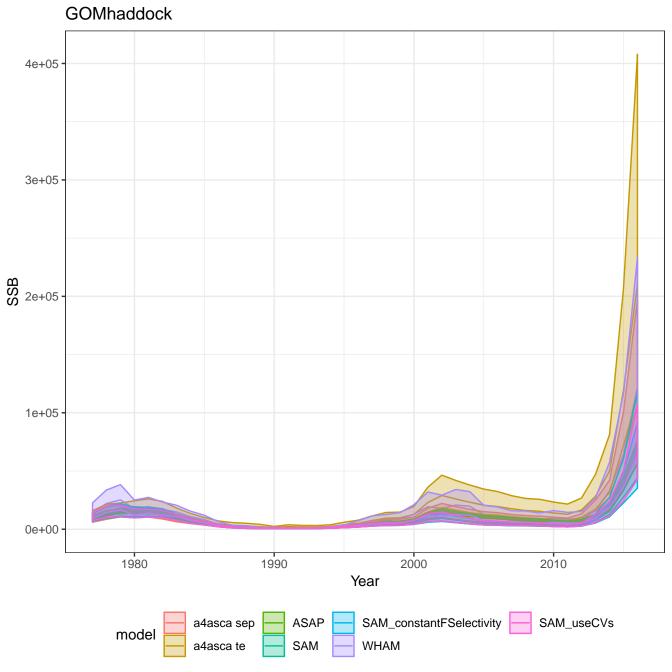
GBwinter



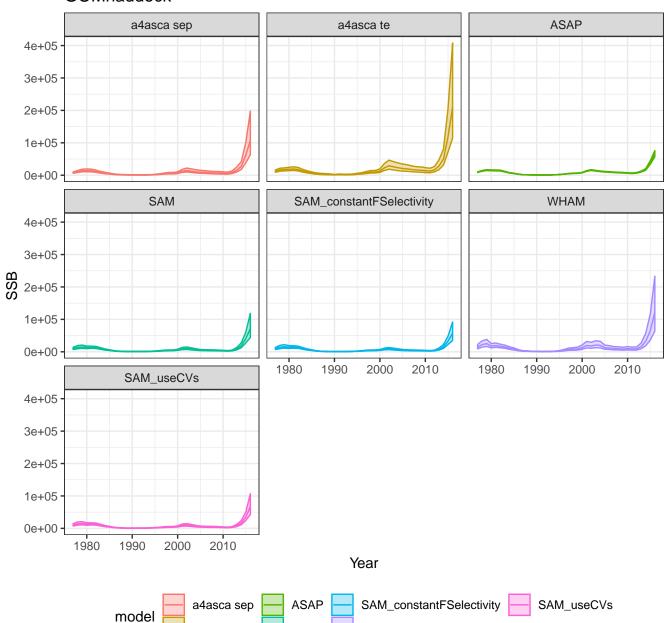


GOMcod



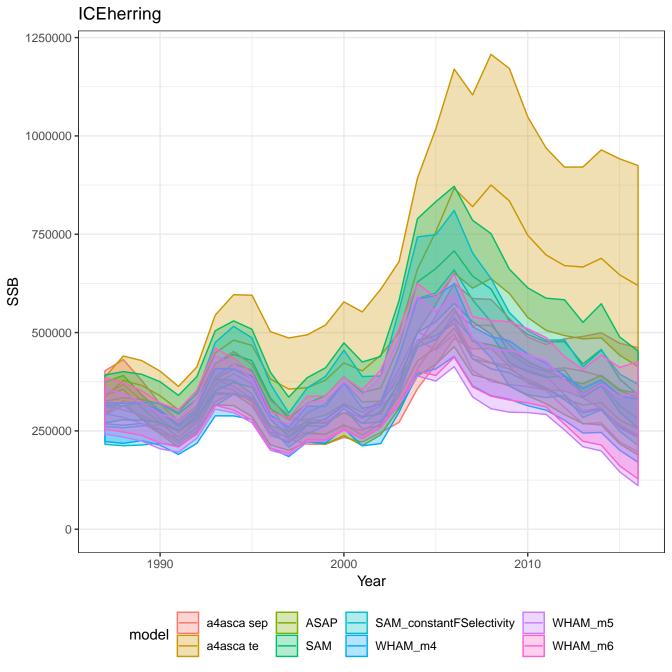


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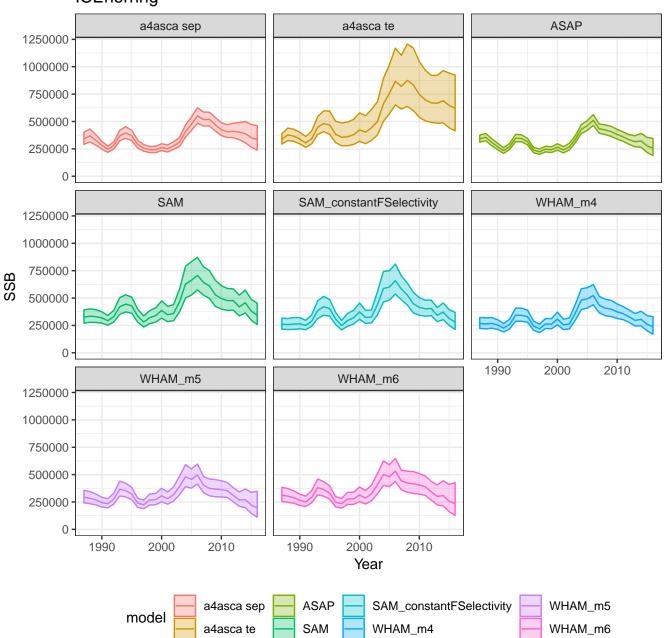


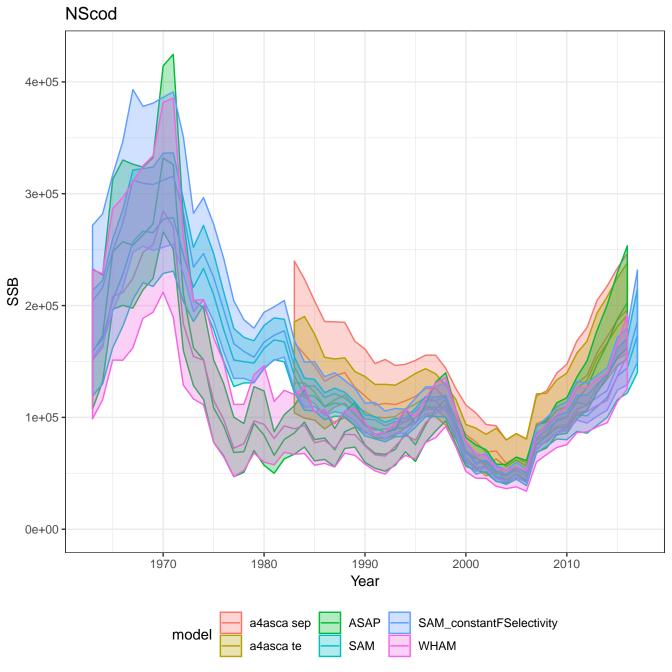
SAM

a4asca te

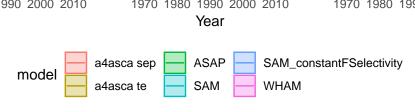


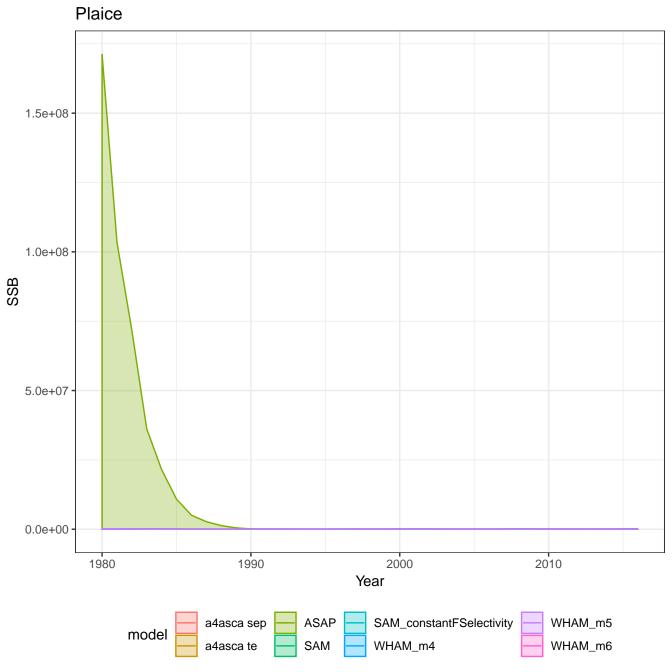
ICEherring

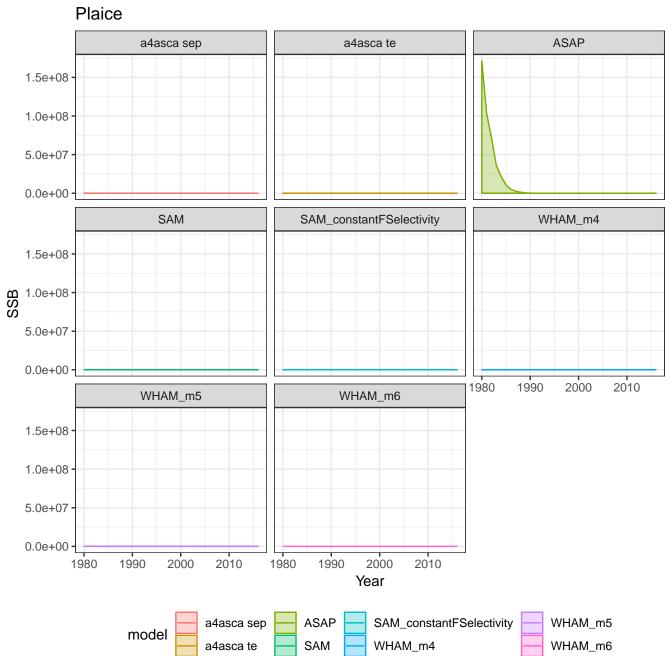


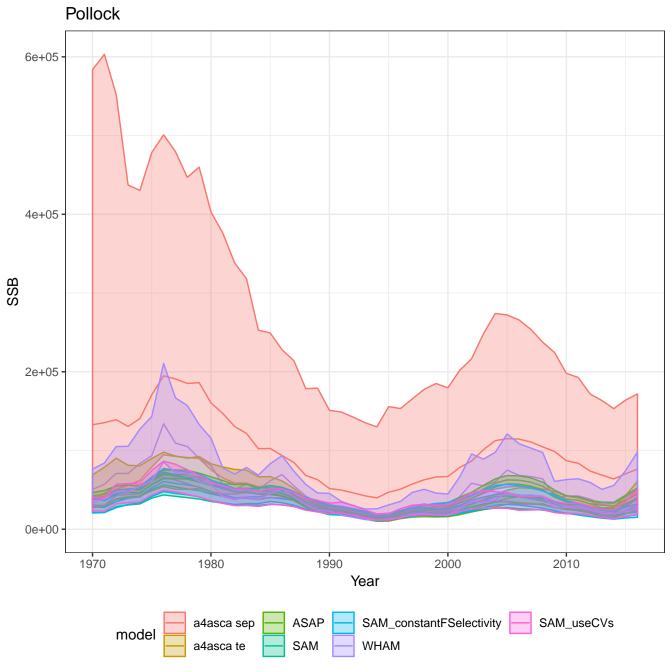


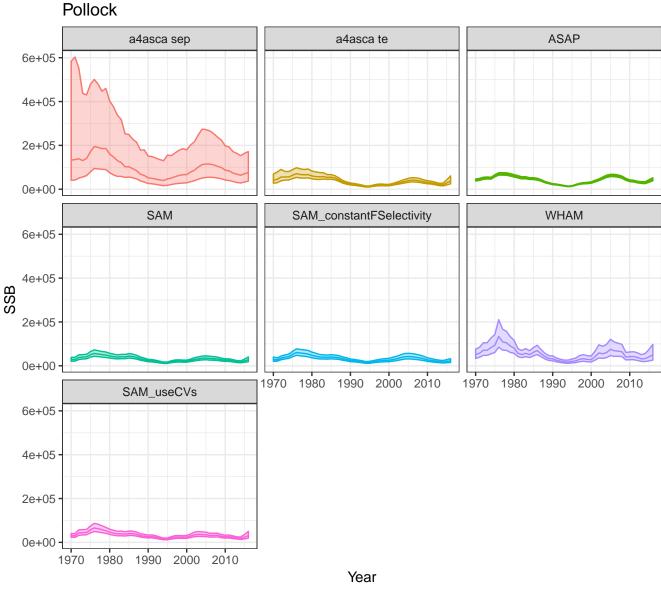
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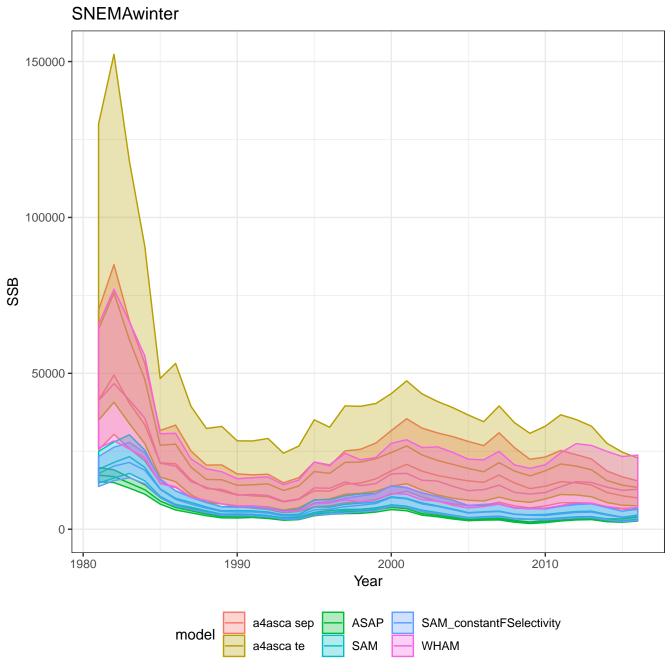












SNEMAwinter a4asca te **ASAP** a4asca sep 150000 -100000 -50000 -0 -SSB SAM SAM_constantFSelectivity **WHAM** 150000 -100000 -50000 -0



2000

Year

1990

2010

1980

1990

2000

2010

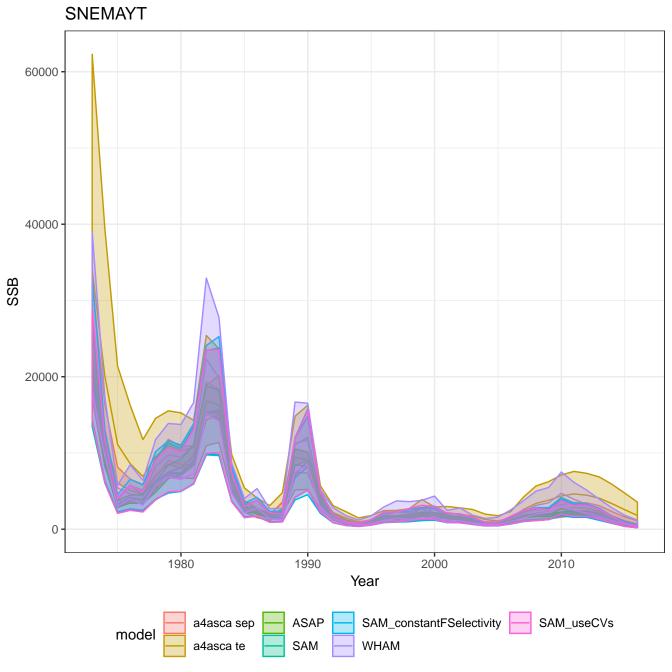
2000

1990

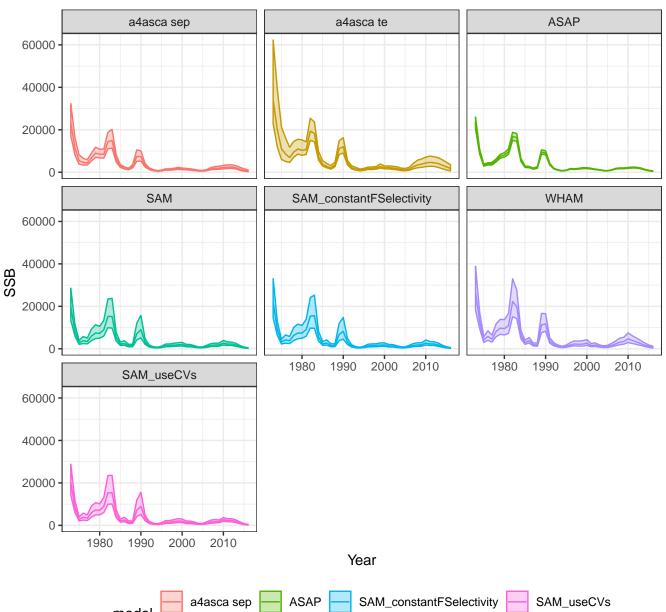
1980

2010

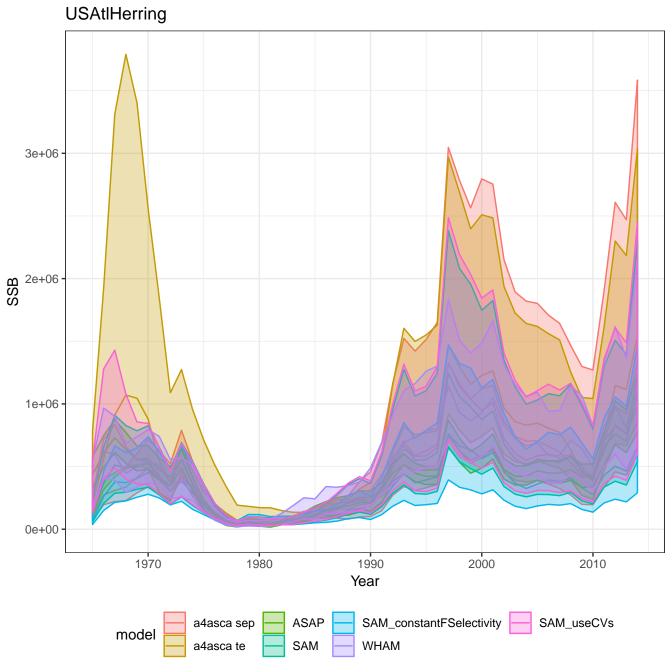
1980



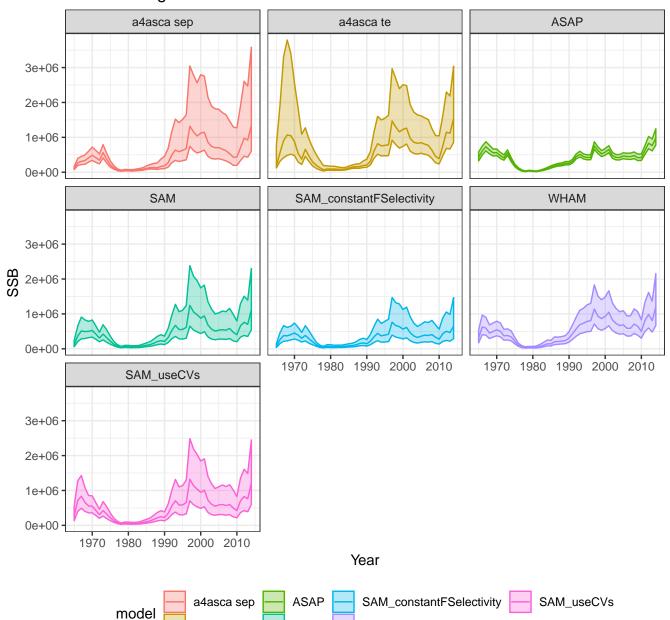
SNEMAYT





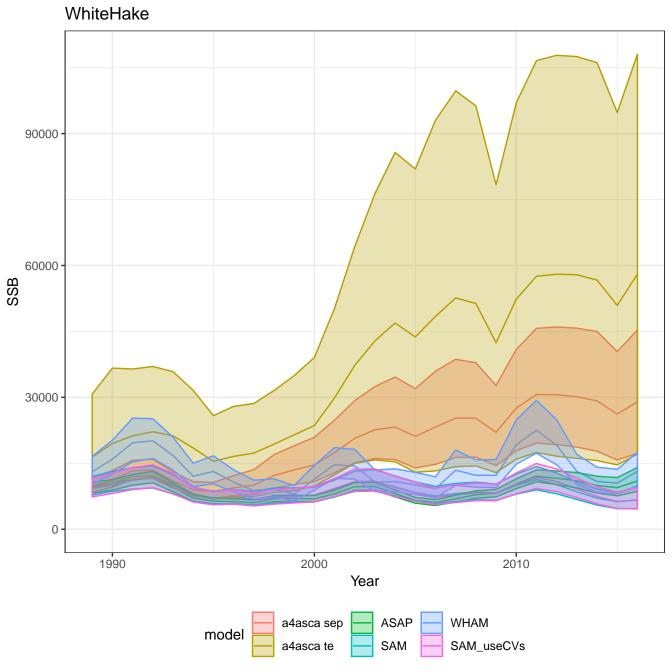


USAtlHerring

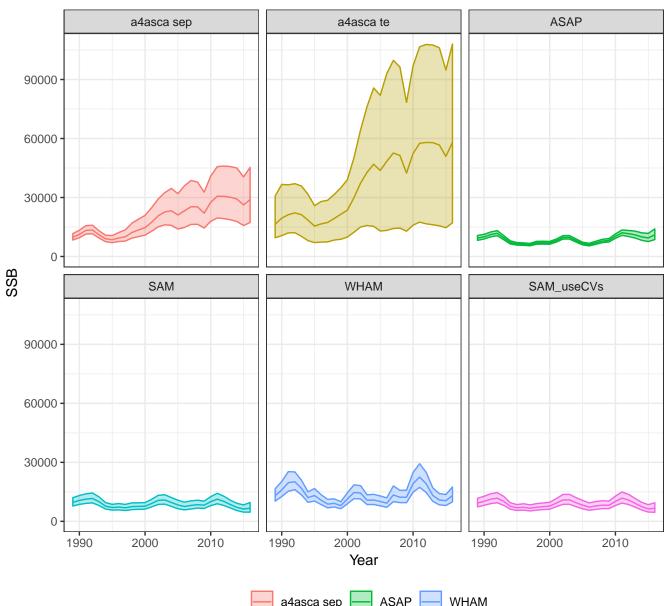


SAM

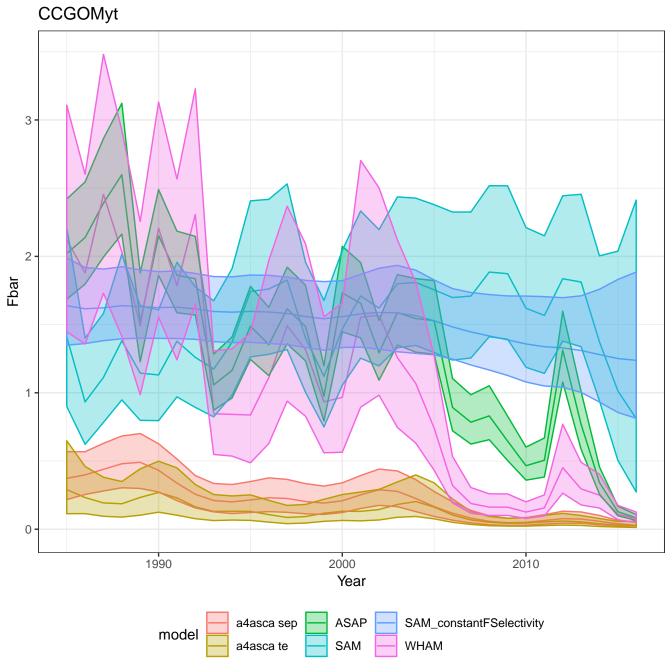
a4asca te



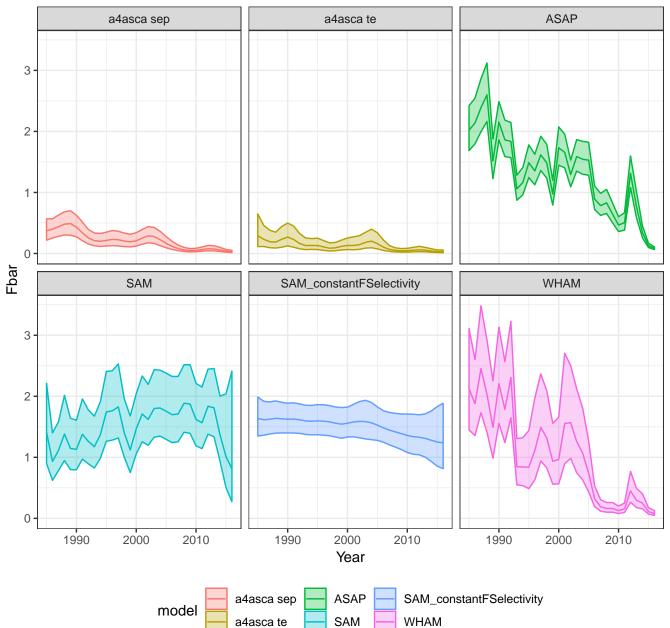
WhiteHake

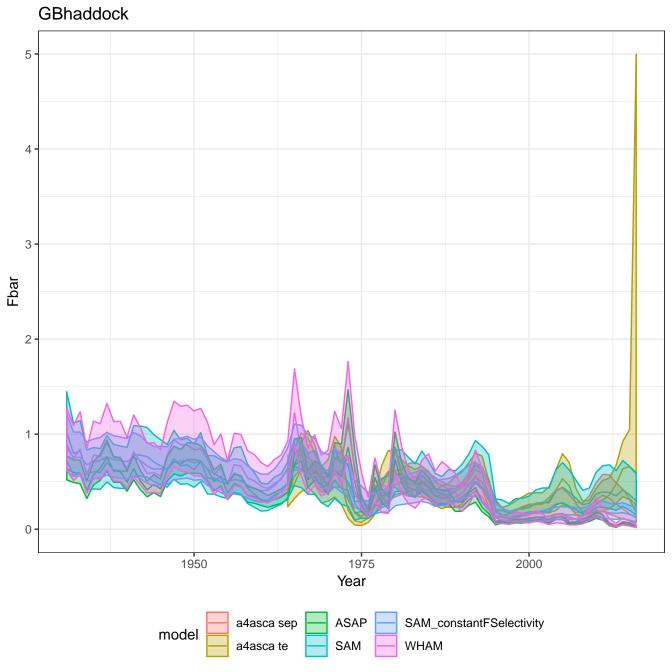




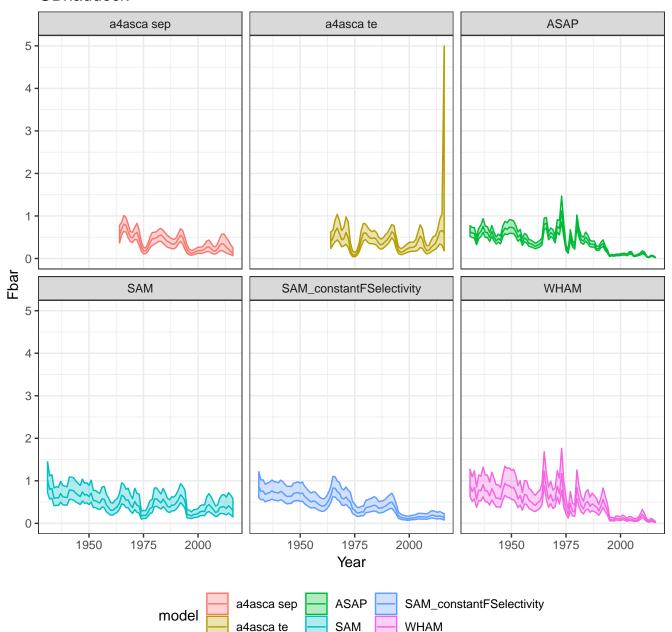


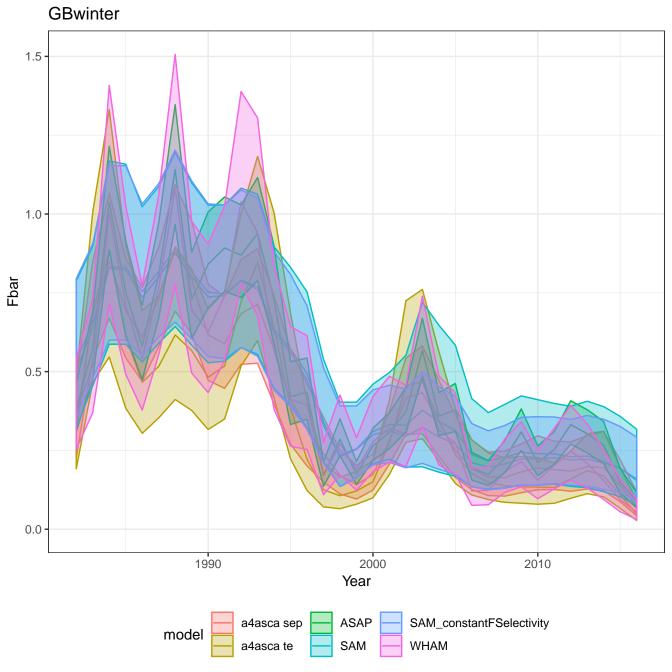
CCGOMyt



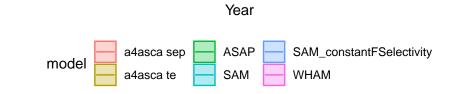


GBhaddock





GBwinter ASAP a4asca te a4asca sep 1.5 1.0 0.5 0.0 Fbar SAM WHAM SAM_constantFSelectivity 1.5 1.0 0.5



2000

2010

1990

1990

2000

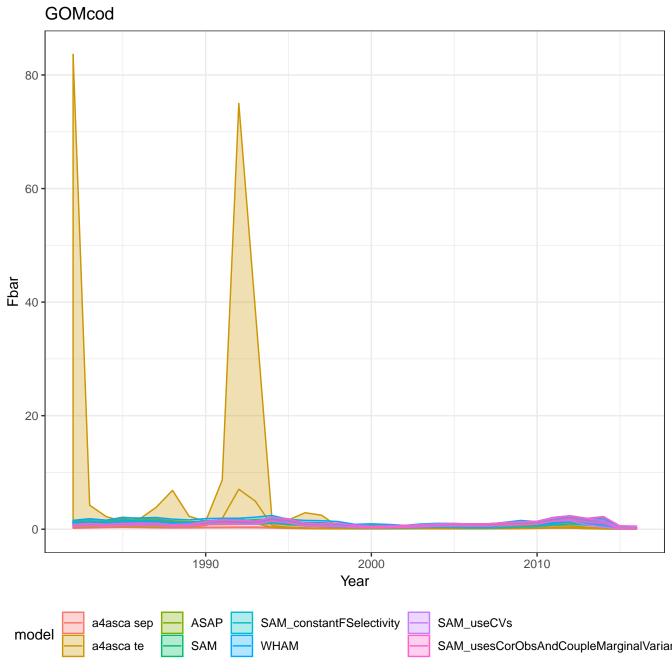
2010

2010

2000

0.0

1990



GOMcod a4asca te ASAP a4asca sep 80 -60 -40 -20 -0 SAM SAM_constantFSelectivity **WHAM** 80 -60 -Fbar 04 20 0 1990 2000 2010 SAM_useCVs usesCorObsAndCoupleMarginalVaria 80 -60 -40 -20 -0 1990 2000 2010 1990 2000 2010 Year SAM_useCVs a4asca sep **ASAP** SAM_constantFSelectivity

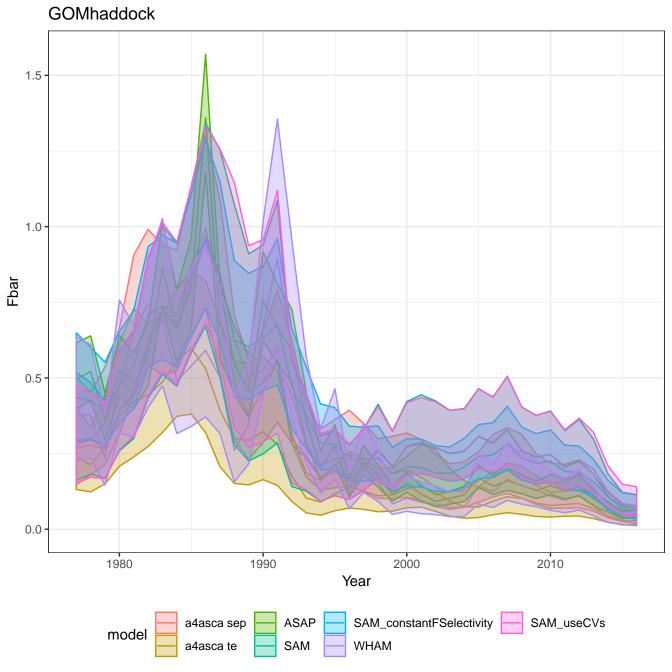
model

a4asca te

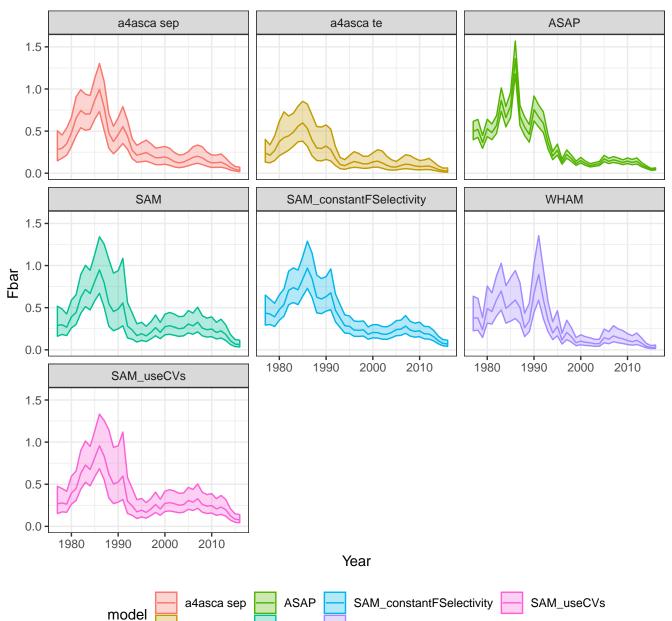
SAM

WHAM

SAM_usesCorObsAndCoupleMarginalVaria

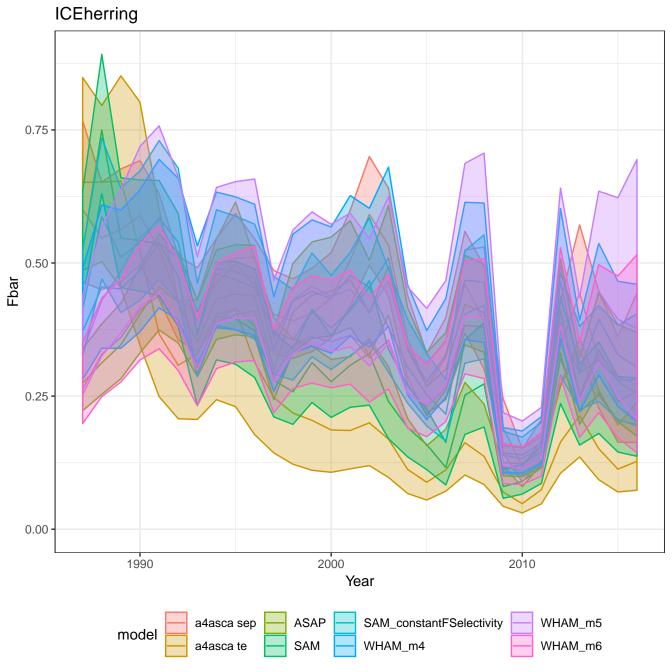


GOMhaddock

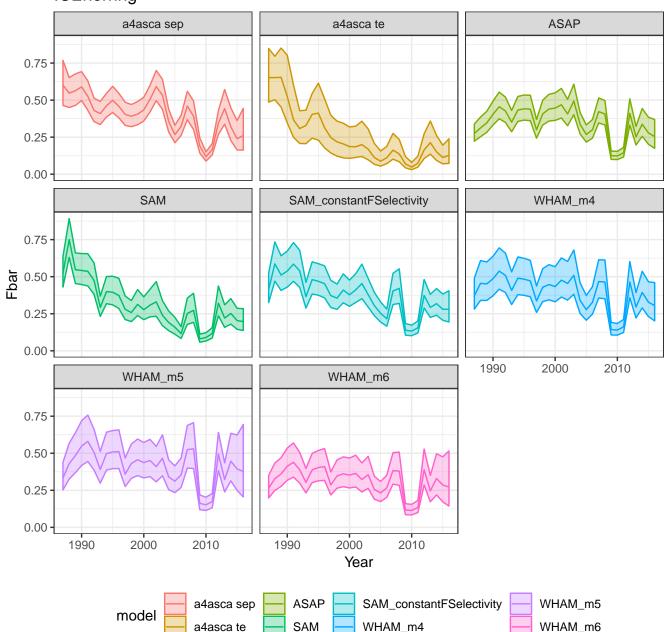


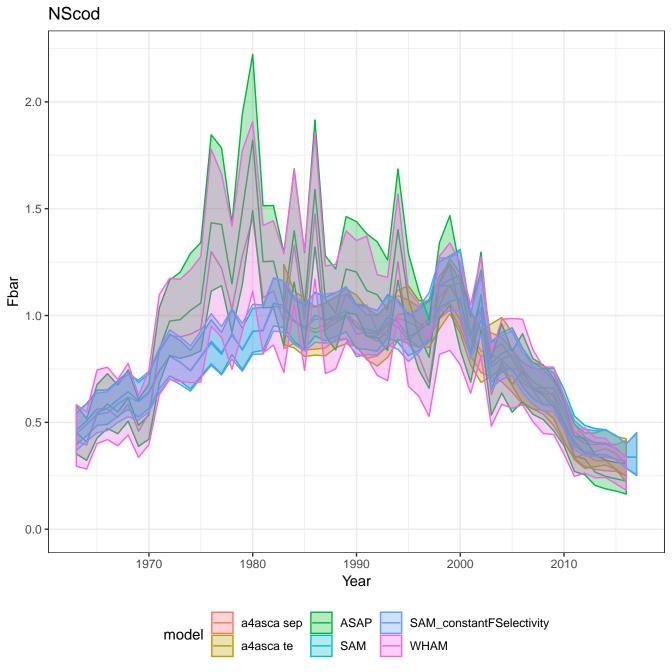
a4asca te

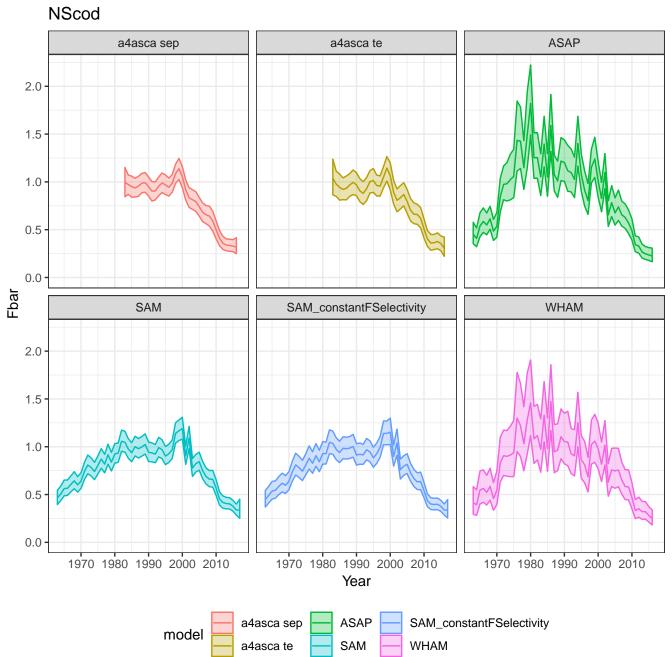
SAM

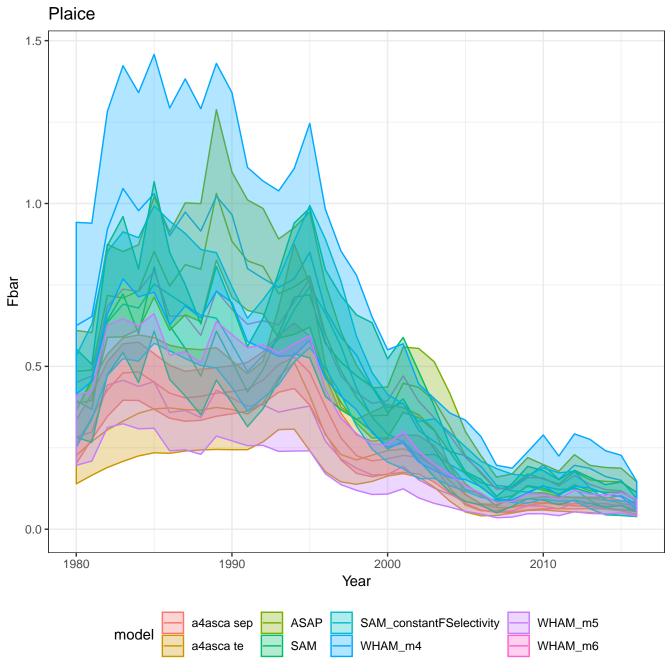


ICEherring



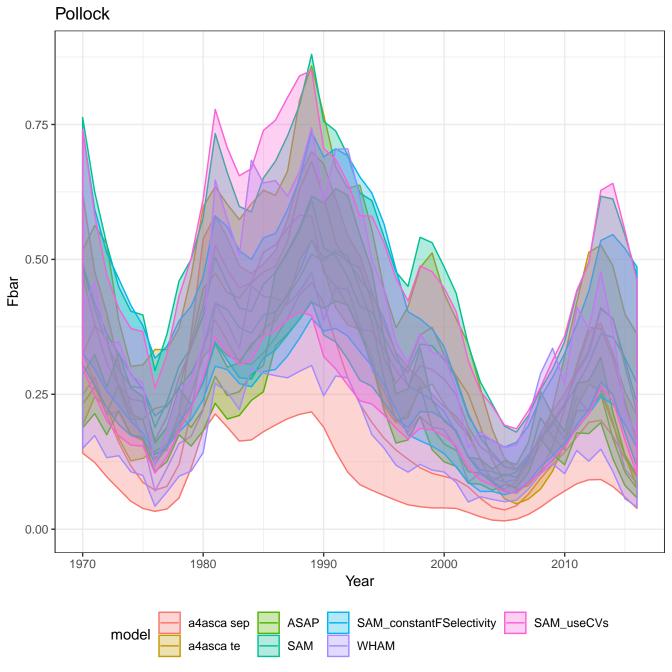


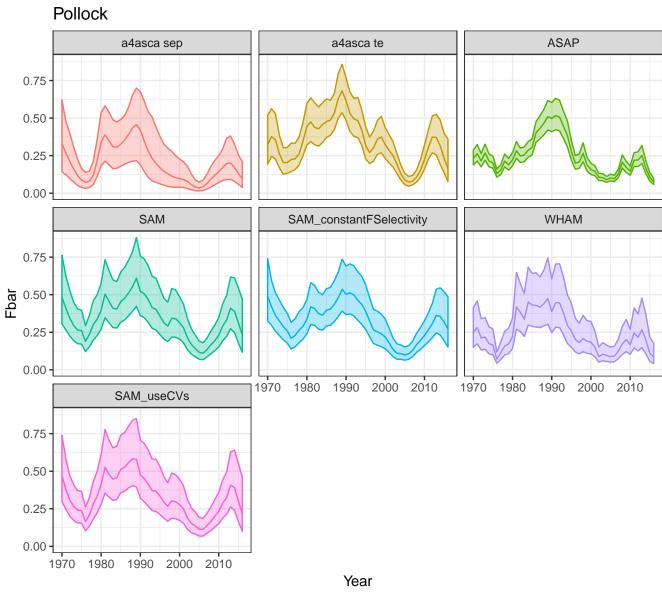




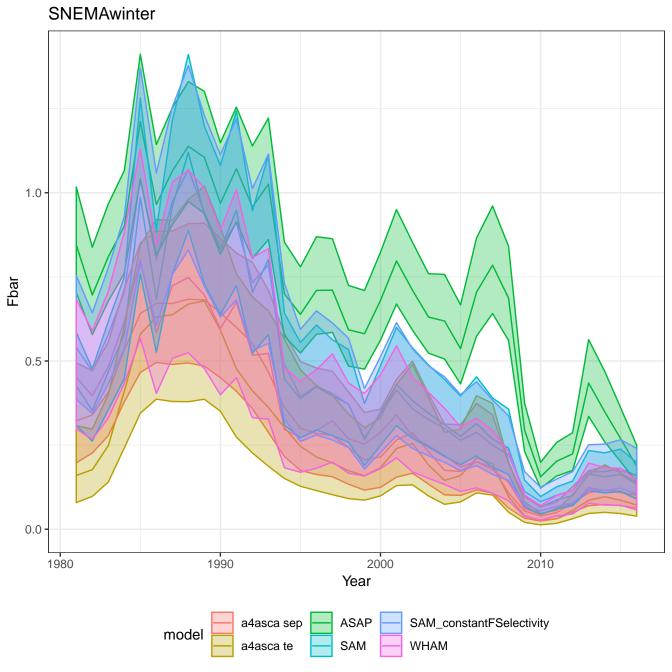
Plaice ASAP a4asca sep a4asca te 1.5 1.0 0.5 0.0 SAM SAM_constantFSelectivity WHAM_m4 1.5 1.0 Fbar 0.5 0.0 1980 2000 2010 1990 WHAM_m5 WHAM_m6 1.5 1.0 0.5 0.0 2000 1980 1990 2010 2010 1990 2000 1980 Year











SNEMAwinter ASAP a4asca te a4asca sep 1.0 0.5 0.0 Fbar SAM WHAM SAM_constantFSelectivity 1.0 0.5



2000

Year

2010

1980

1990

1990

2010

2000

0.0

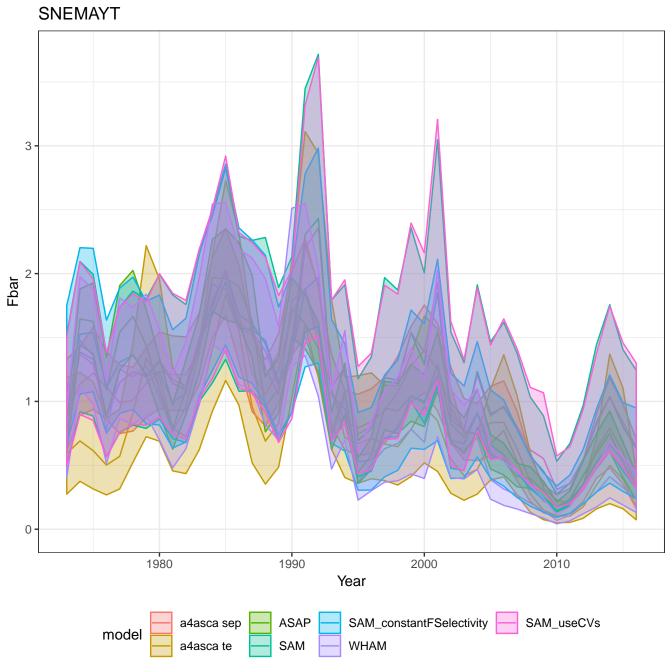
1980

1990

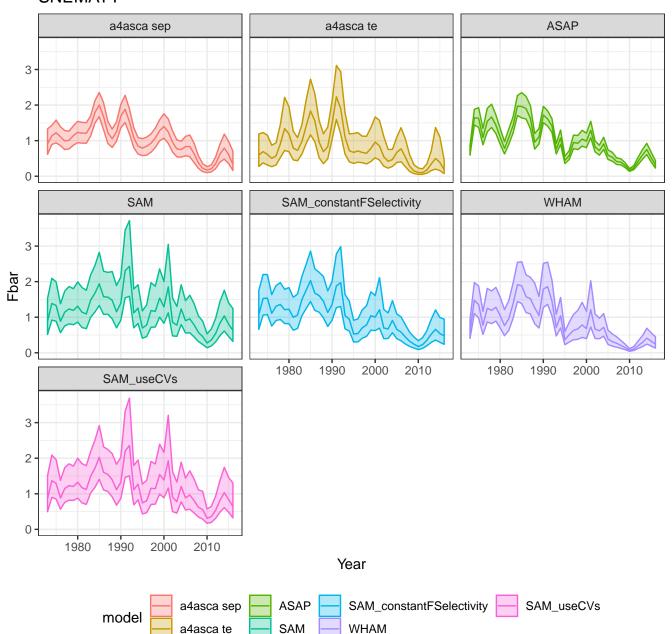
2000

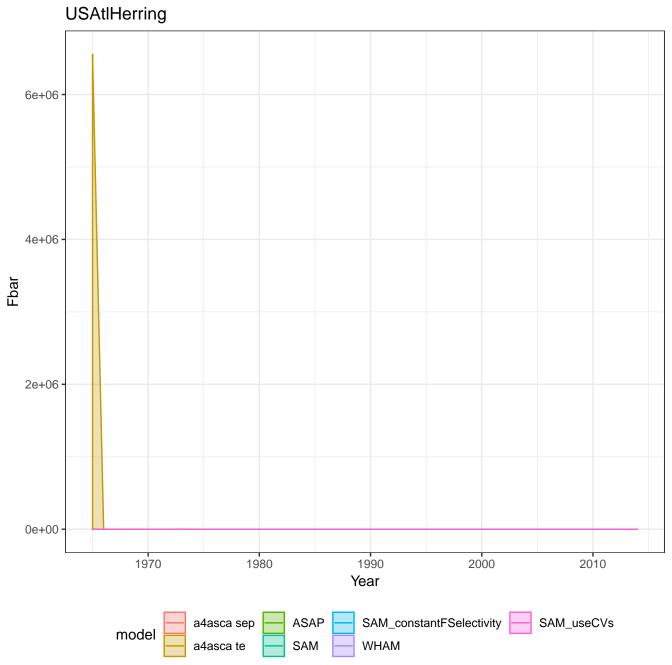
2010

1980

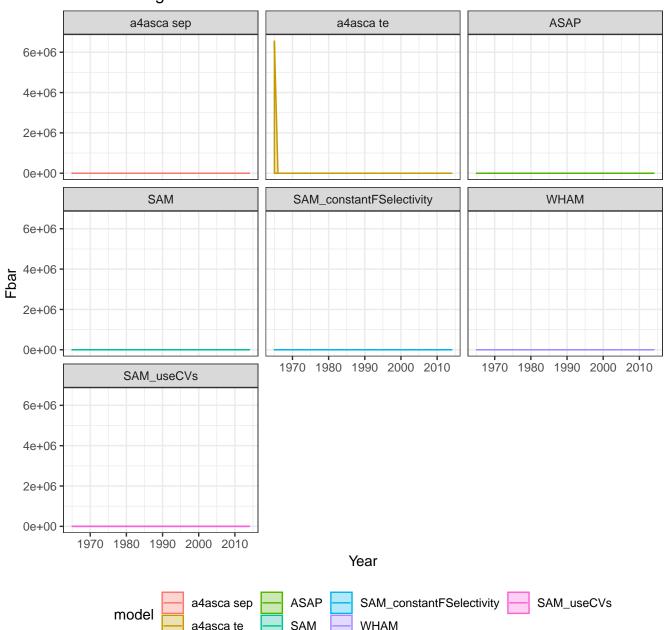


SNEMAYT



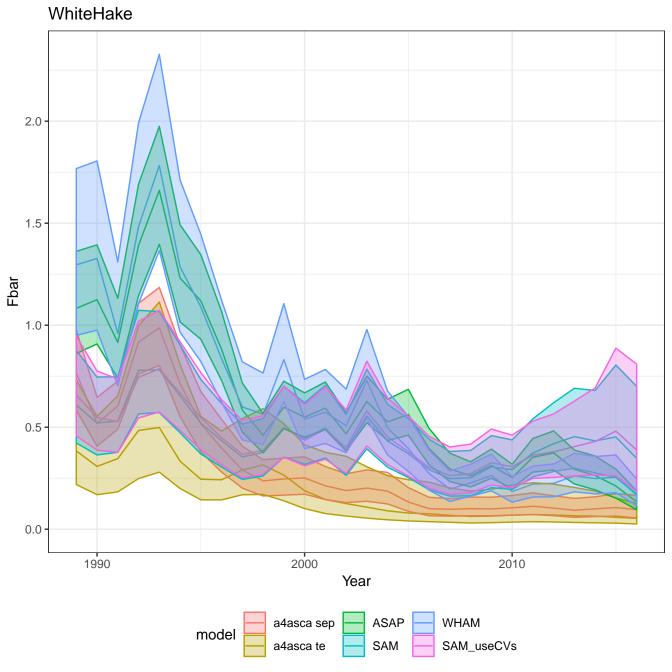


USAtlHerring

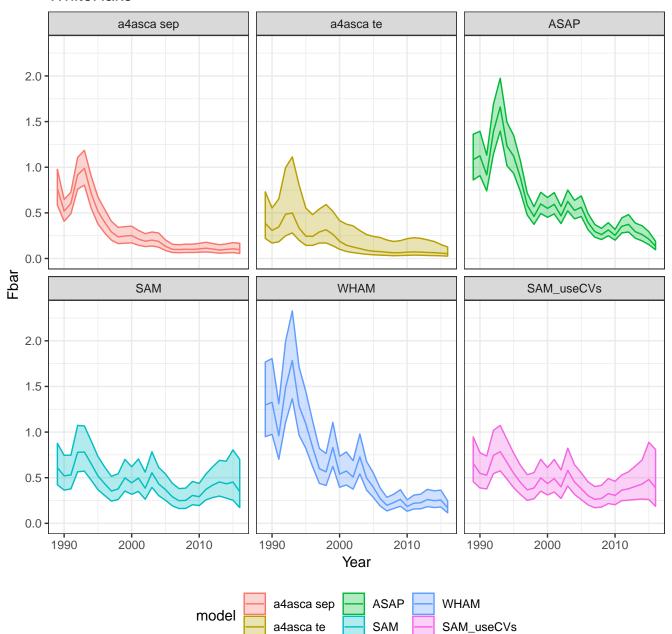


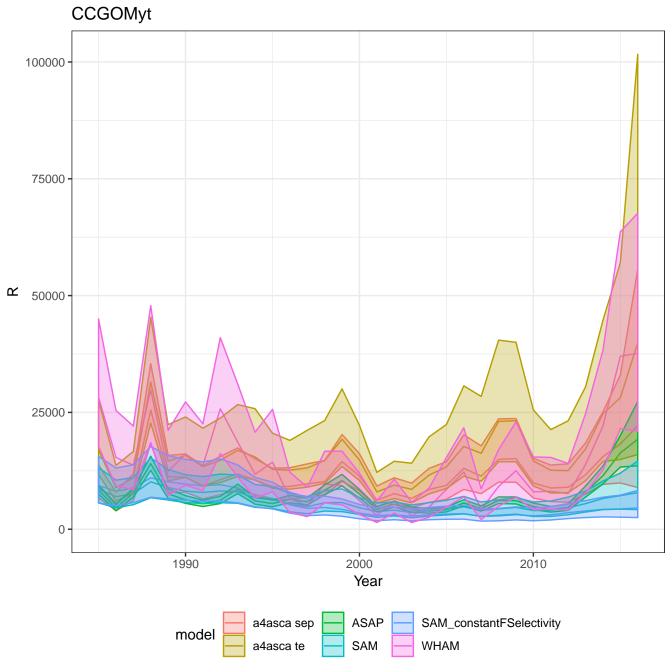
a4asca te

SAM

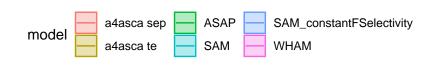


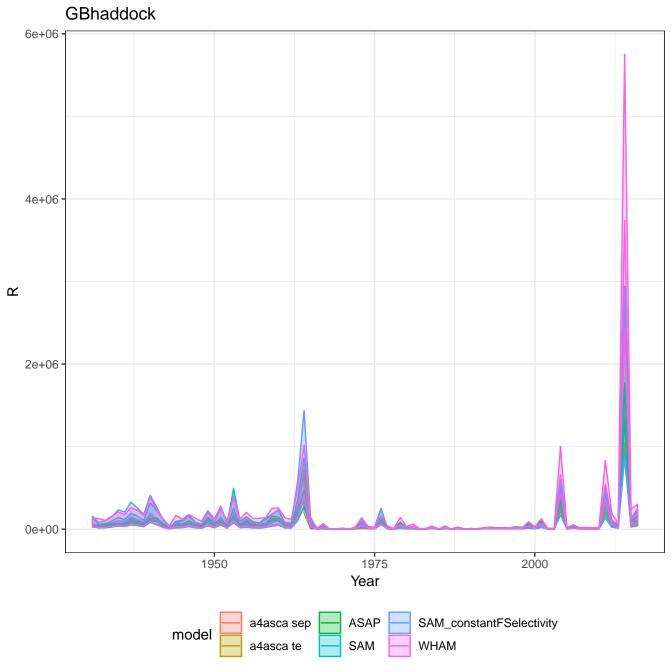
WhiteHake



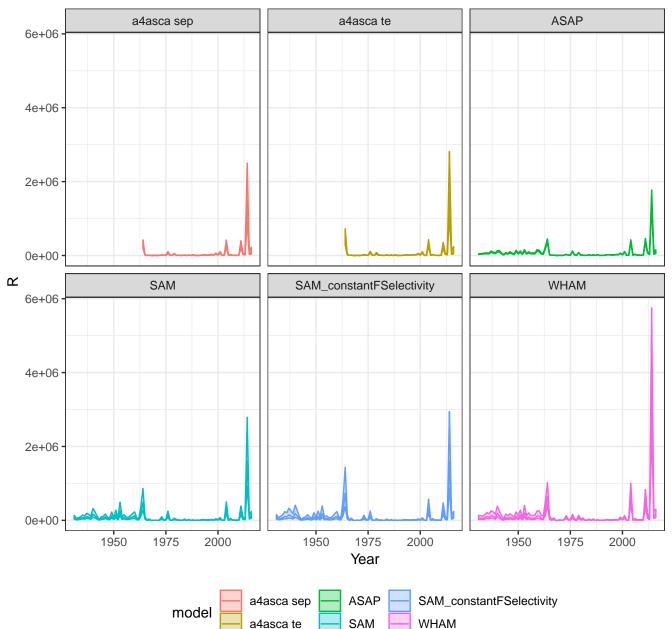


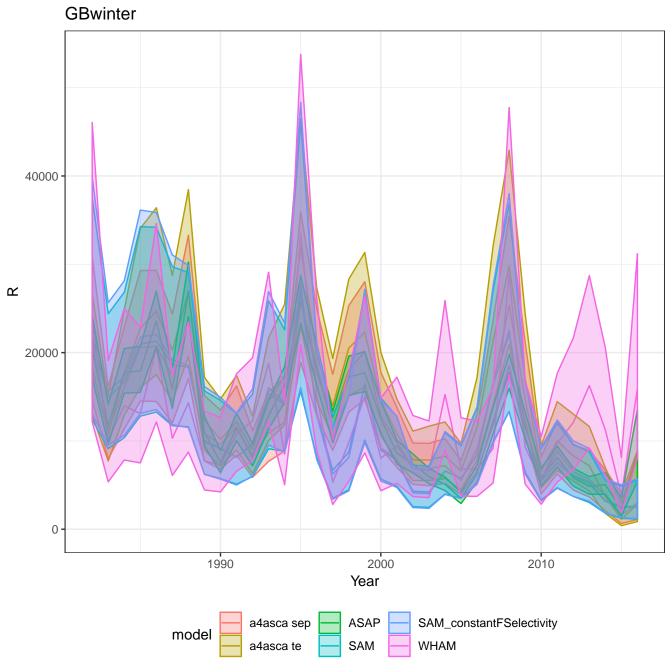
CCGOMyt a4asca sep a4asca te **ASAP** 100000 -75000 -50000 -25000 -0 - \propto SAM SAM_constantFSelectivity **WHAM** 100000 -75000 -50000 -25000 -0 -2010 1990 1990 2000 2010 1990 2000 2000 2010 Year



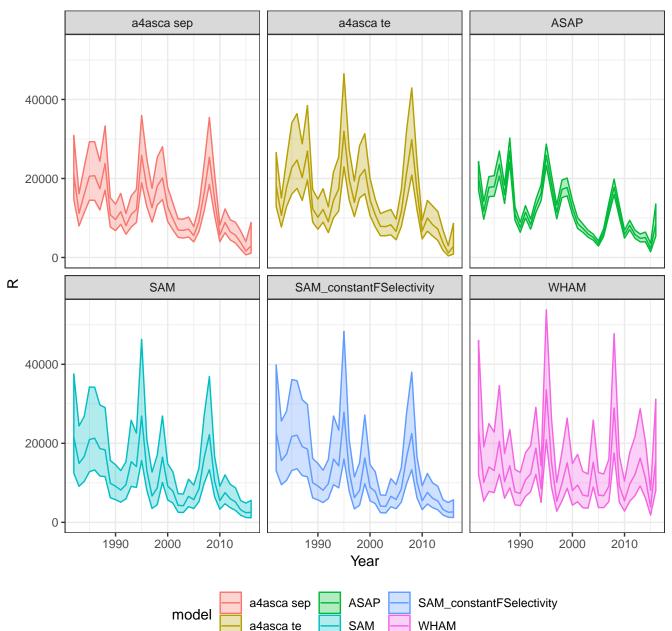


GBhaddock

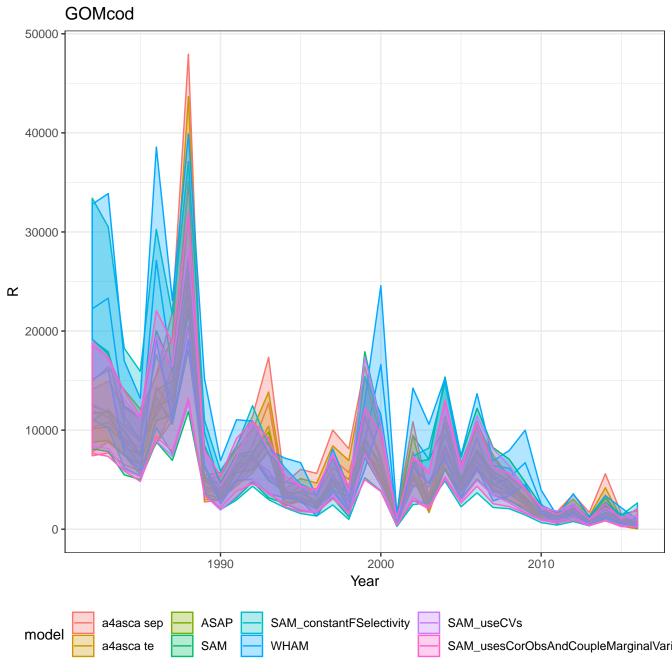




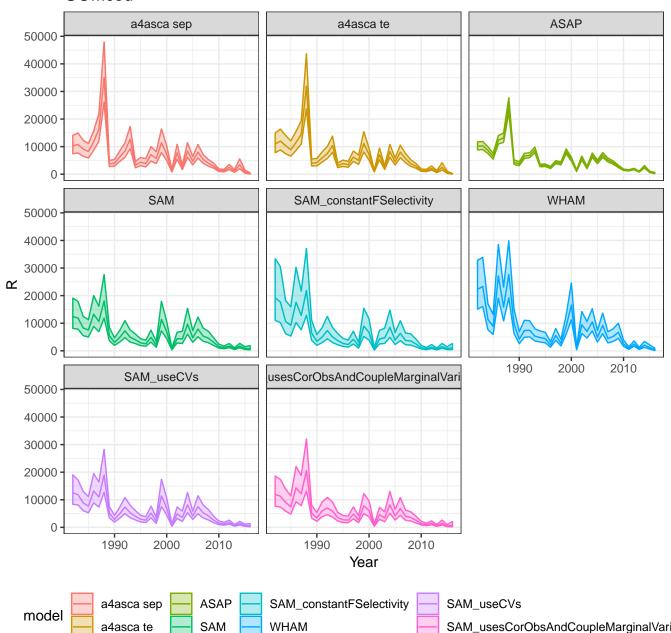
GBwinter

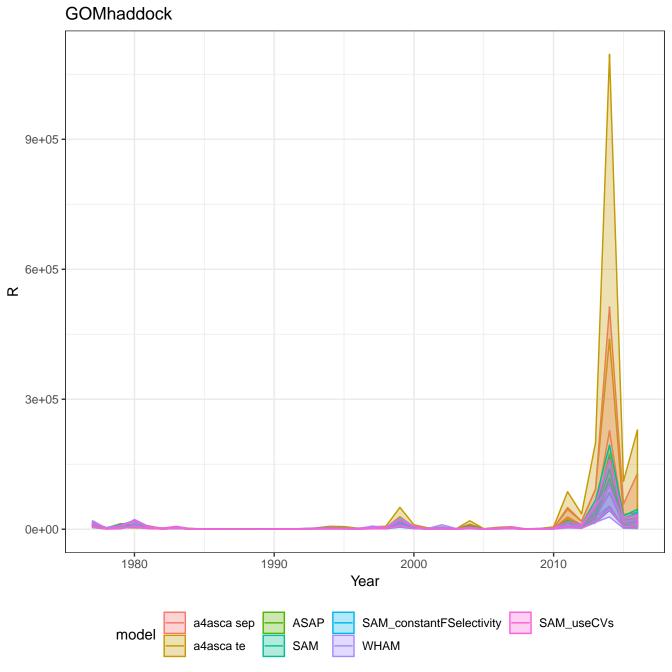


a4asca te

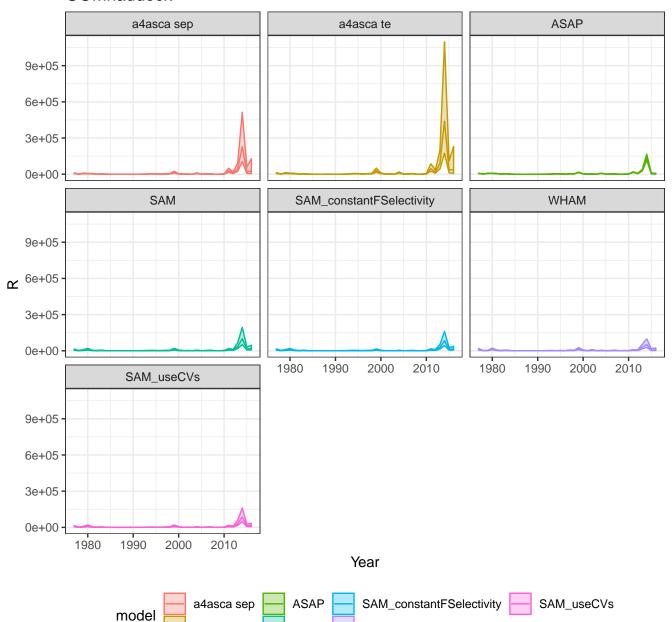


GOMcod





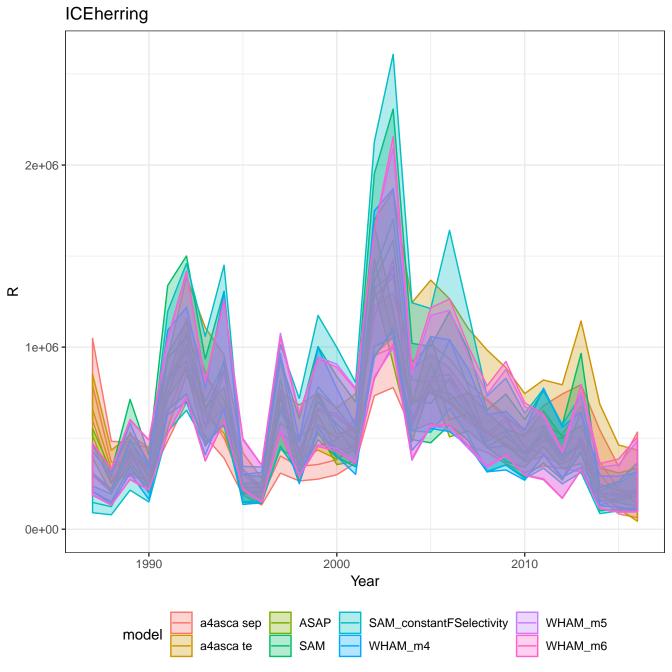
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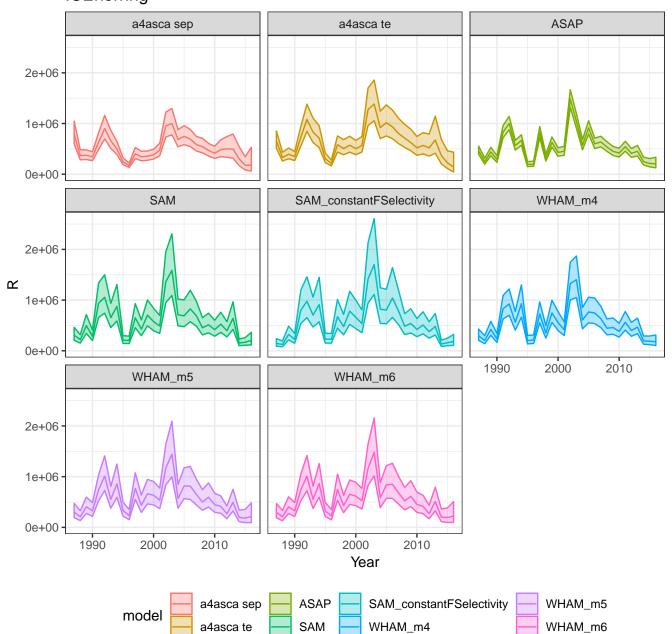
SAM

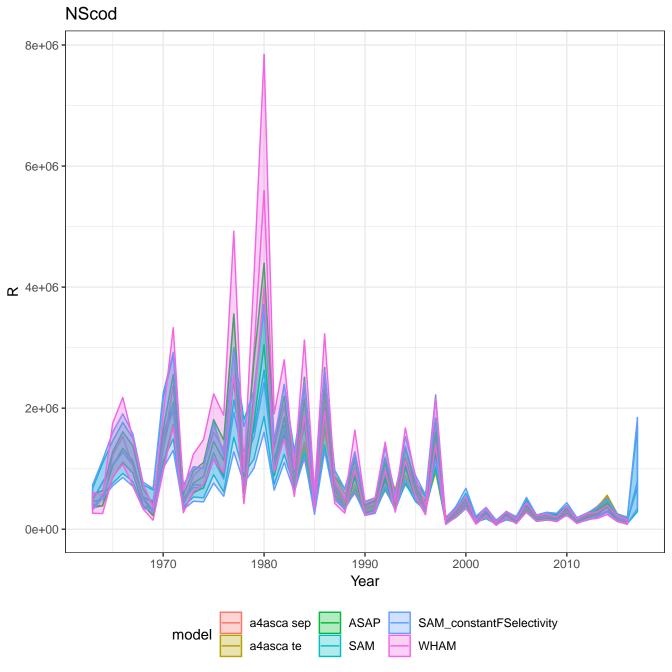
a4asca te

WHAM

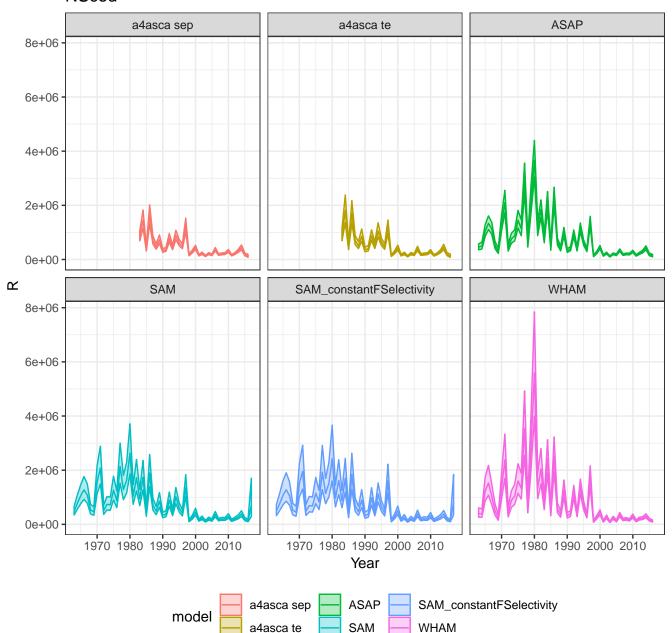


ICEherring

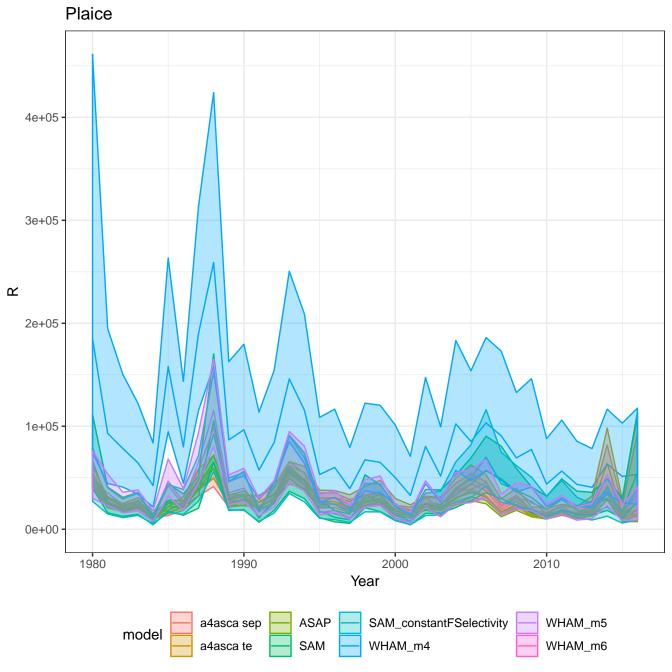




NScod



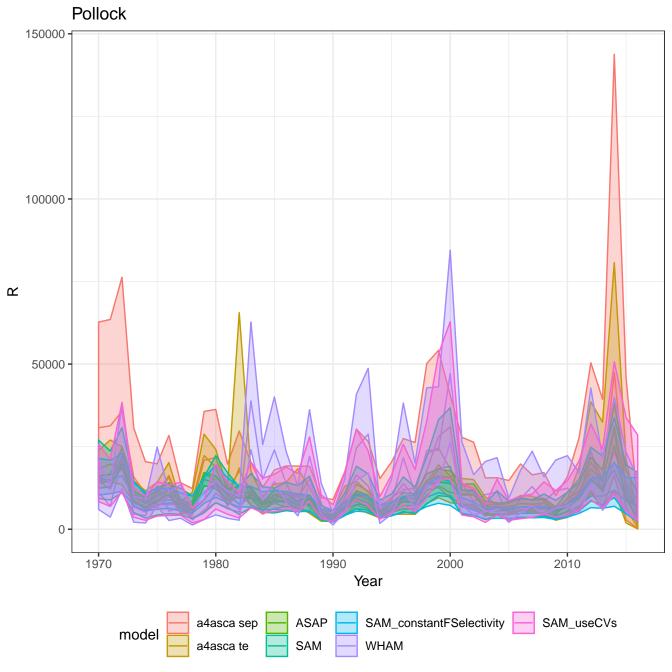
a4asca te

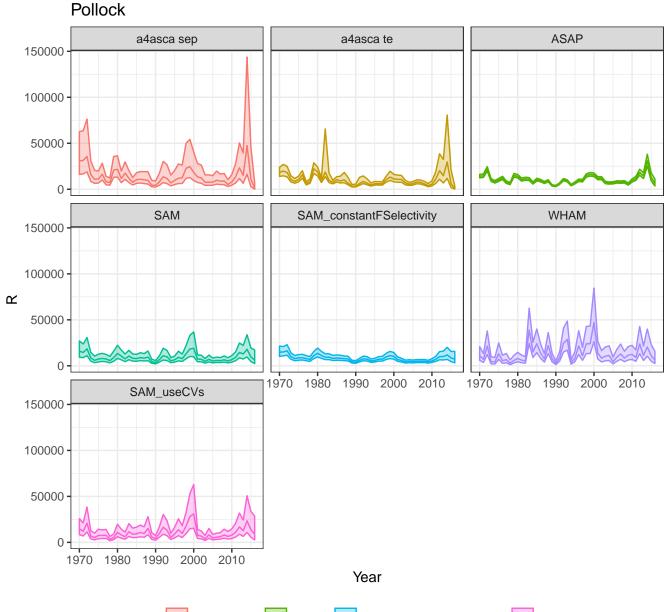


Plaice ASAP a4asca sep a4asca te 4e+05 3e+05 2e+05 1e+05 0e+00 SAM SAM_constantFSelectivity WHAM_m4 4e+05 3e+05 \propto 2e+05 1e+05 0e+00 2010 1980 1990 2000 WHAM_m5 WHAM_m6 4e+05 3e+05 2e+05 1e+05 0e+00 -1990 2000 1990 2000 2010 1980 2010 1980

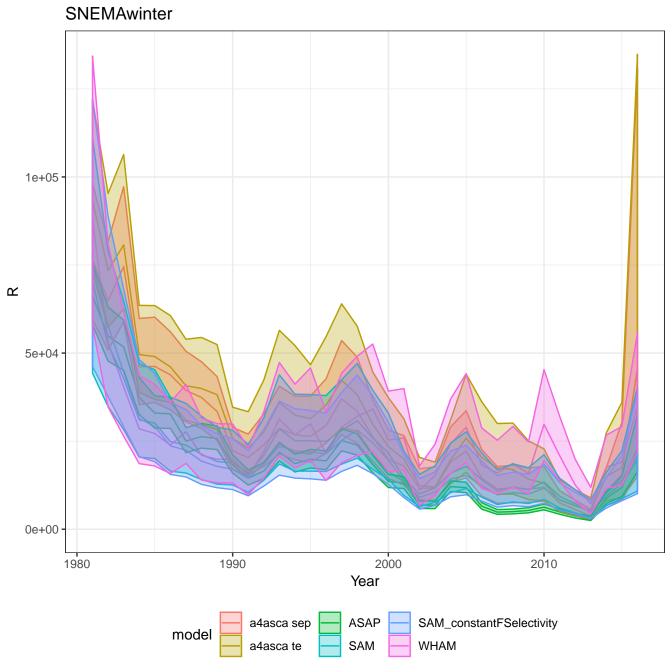


Year

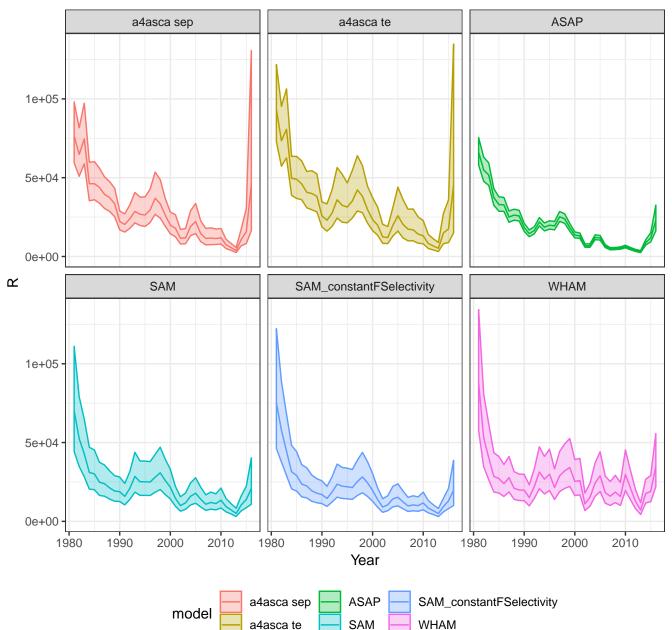






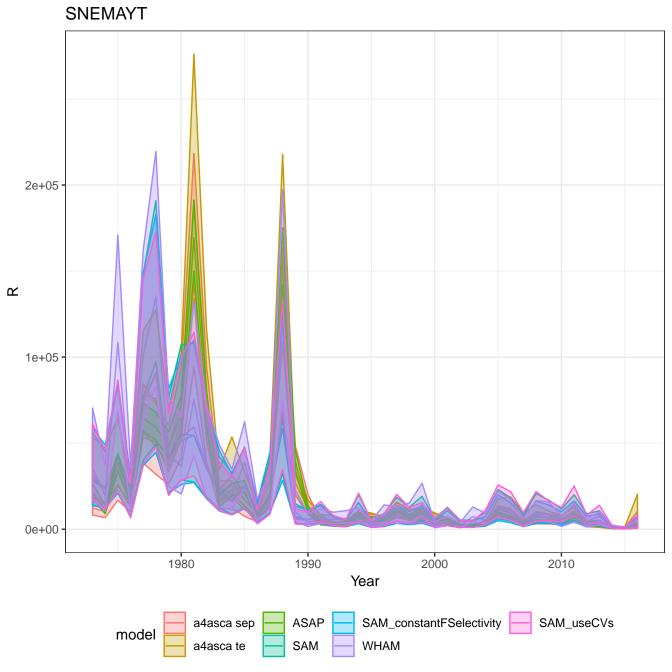


SNEMAwinter

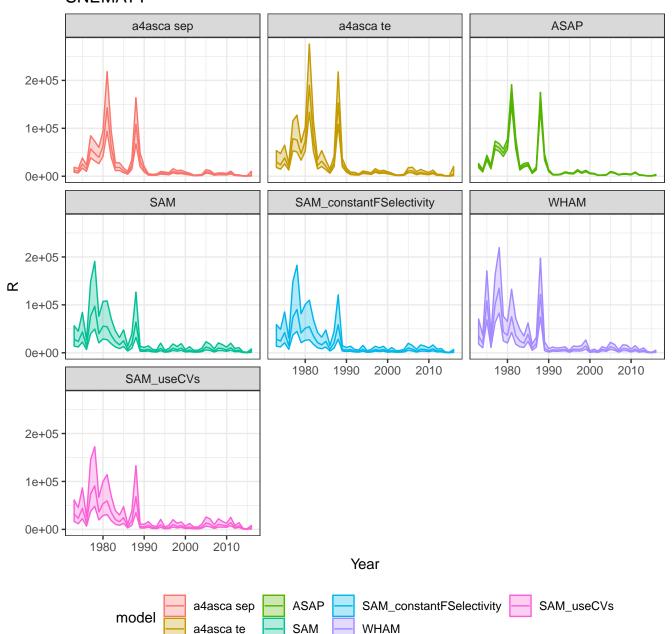


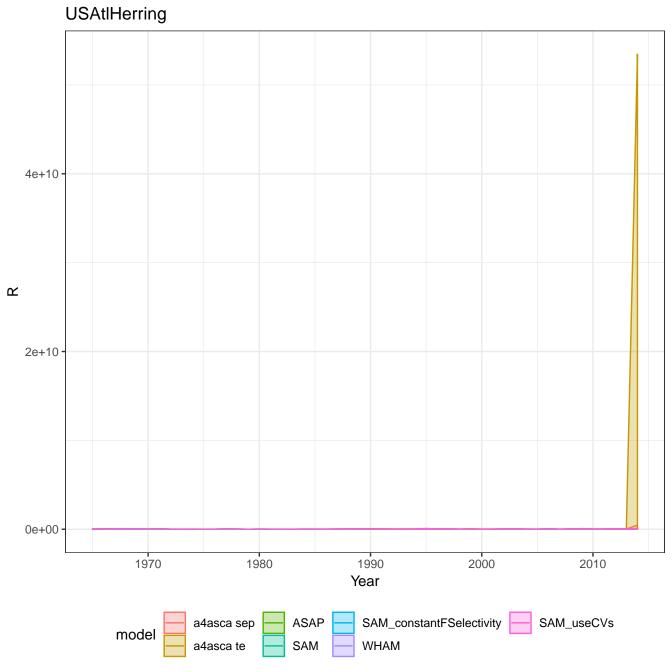
SAM

a4asca te

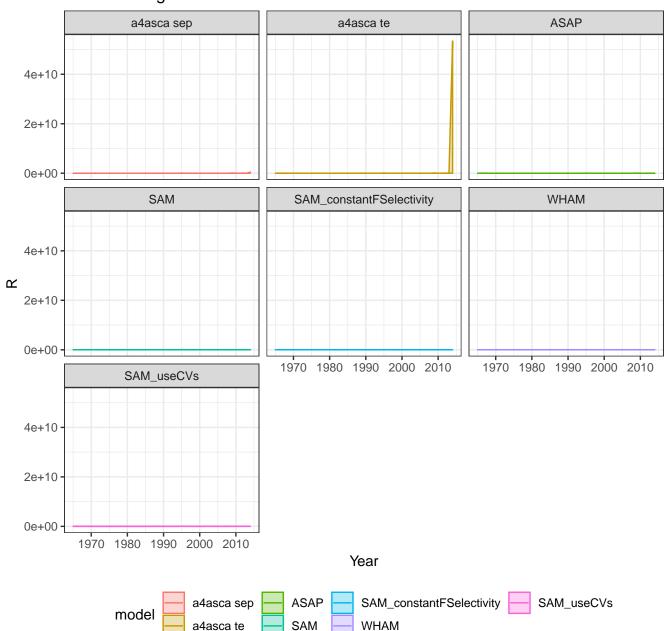


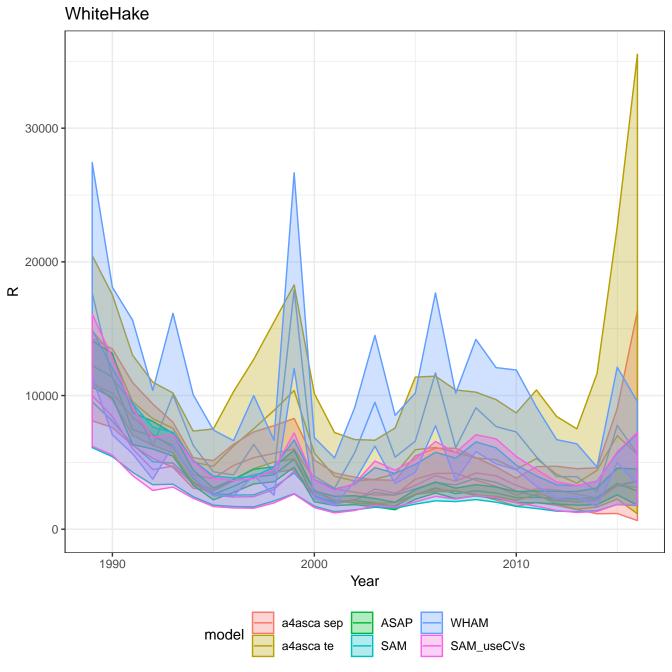
SNEMAYT



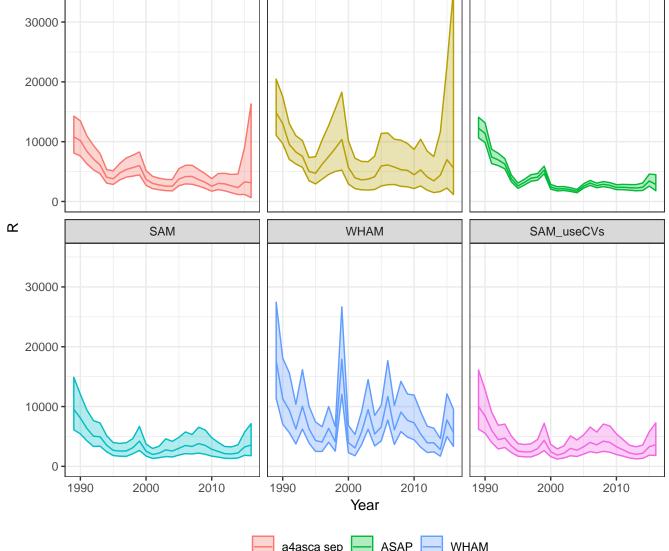


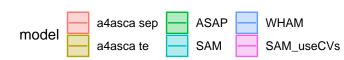
USAtlHerring

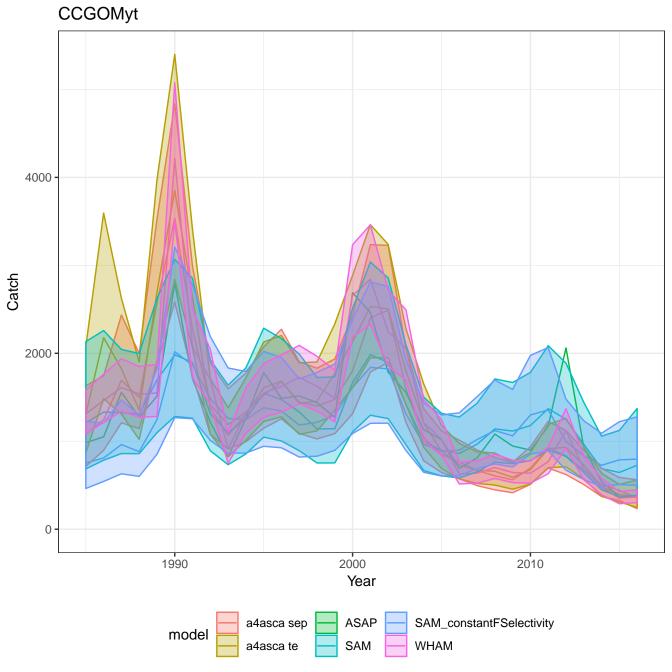




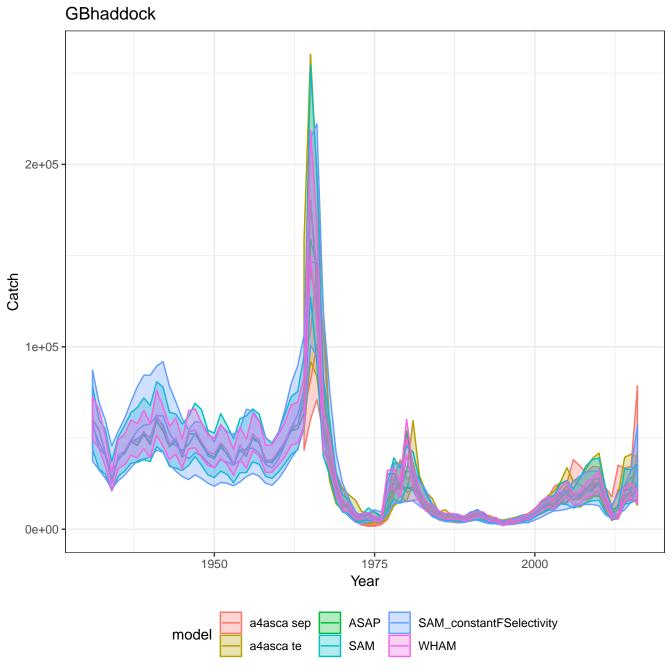
WhiteHake ASAP a4asca te a4asca sep 30000 -20000 10000 0 \propto SAM WHAM SAM_useCVs 30000



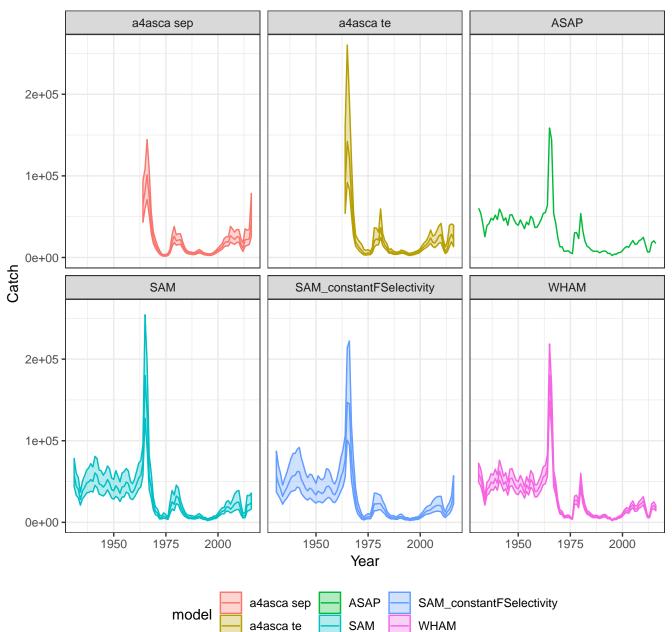


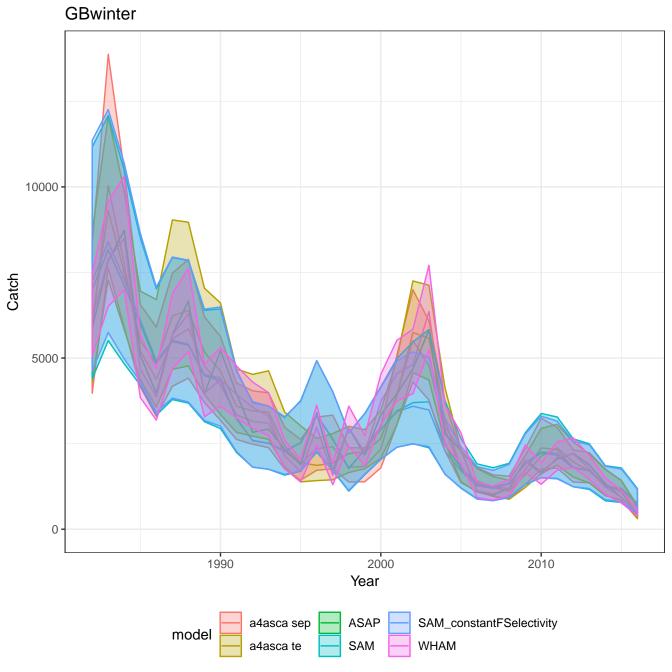


CCGOMyt ASAP a4asca sep a4asca te 4000 2000 0 Catch SAM WHAM SAM_constantFSelectivity 4000 2000 0 2010 2000 2000 2010 2000 2010 1990 1990 1990 Year a4asca sep **ASAP** SAM_constantFSelectivity model a4asca te SAM **WHAM**

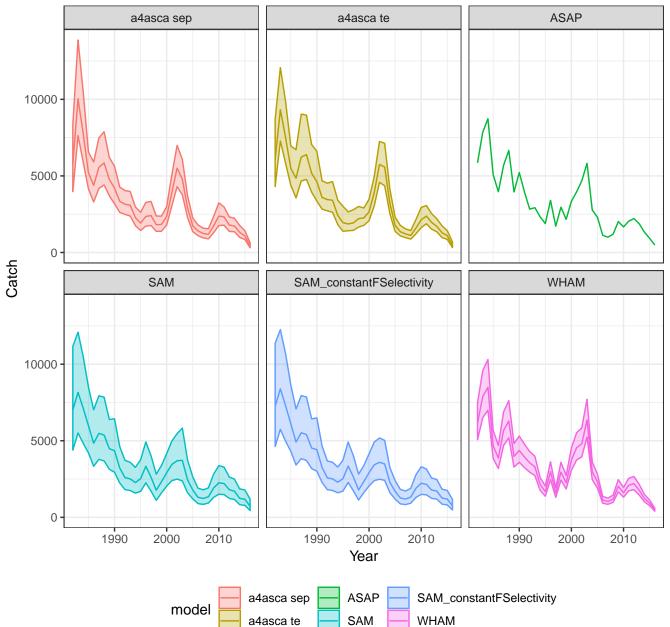


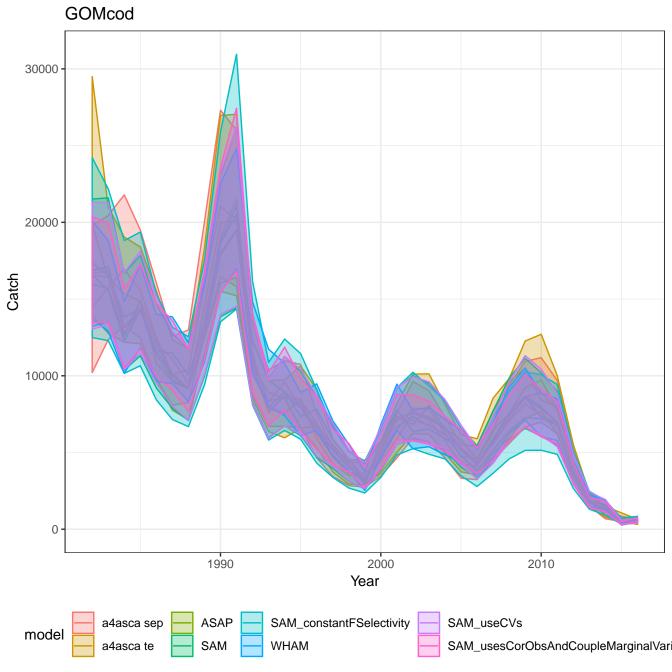
GBhaddock



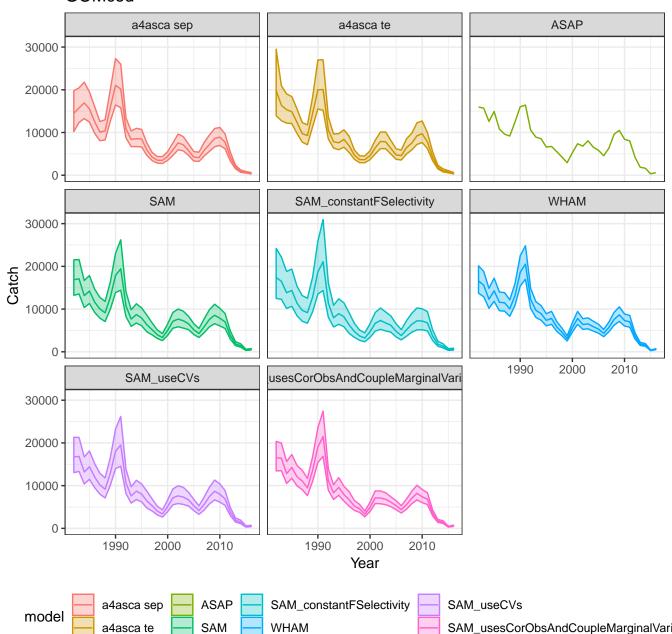


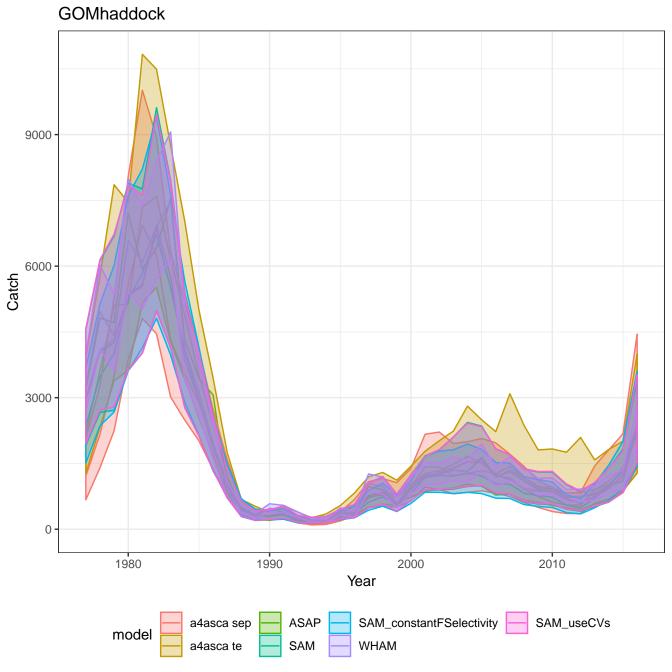
GBwinter



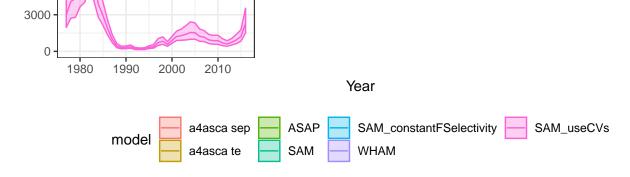


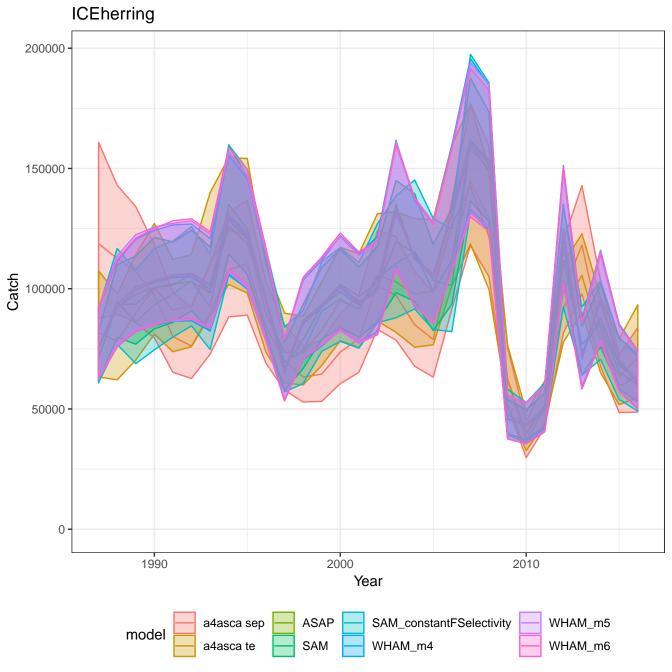
GOMcod



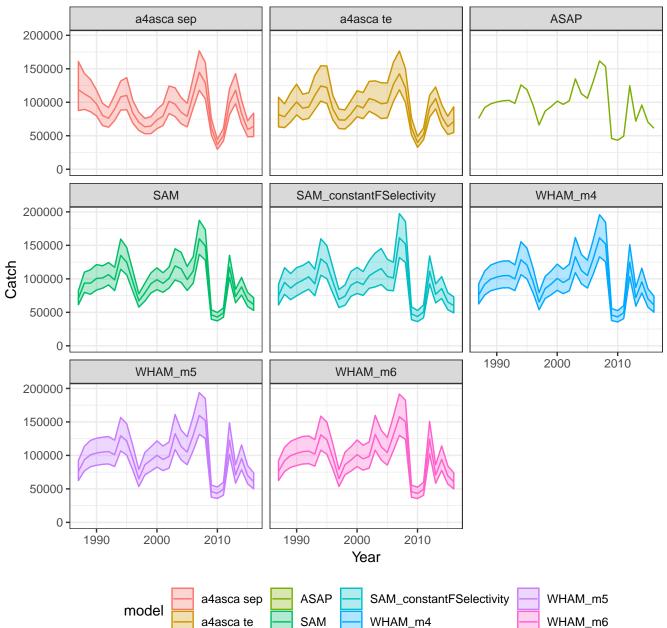


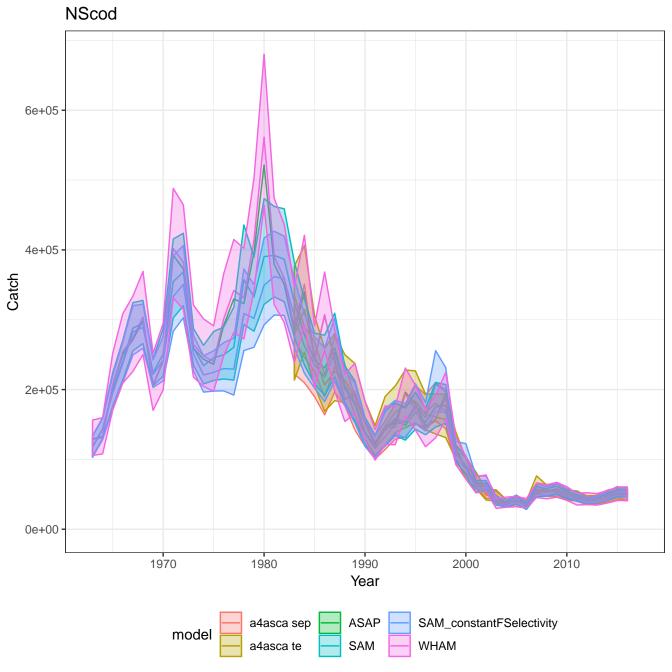
GOMhaddock **ASAP** a4asca sep a4asca te SAM SAM_constantFSelectivity **WHAM** Catch SAM_useCVs Year





ICEherring





NScod a4asca te ASAP a4asca sep 6e+05 4e+05 2e+05 0e+00 Catch SAM SAM_constantFSelectivity **WHAM** 6e+05 4e+05 2e+05 0e+00

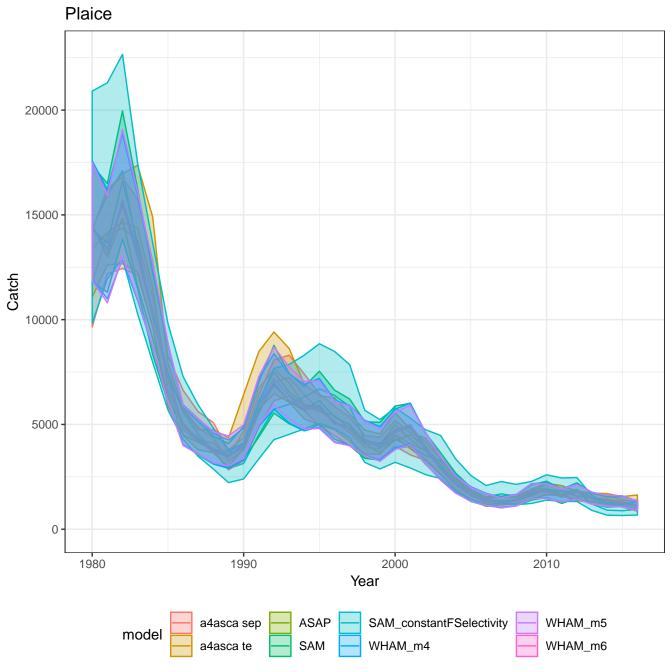


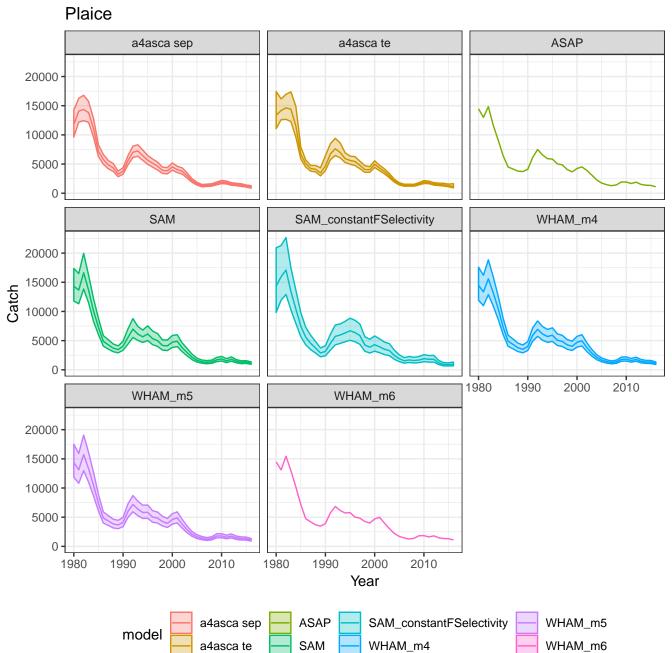
1970 1980 1990 2000 2010

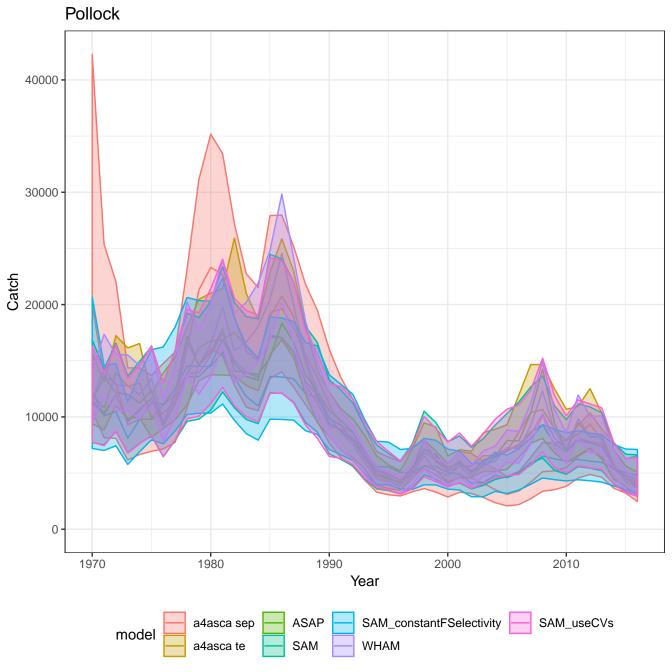
Year

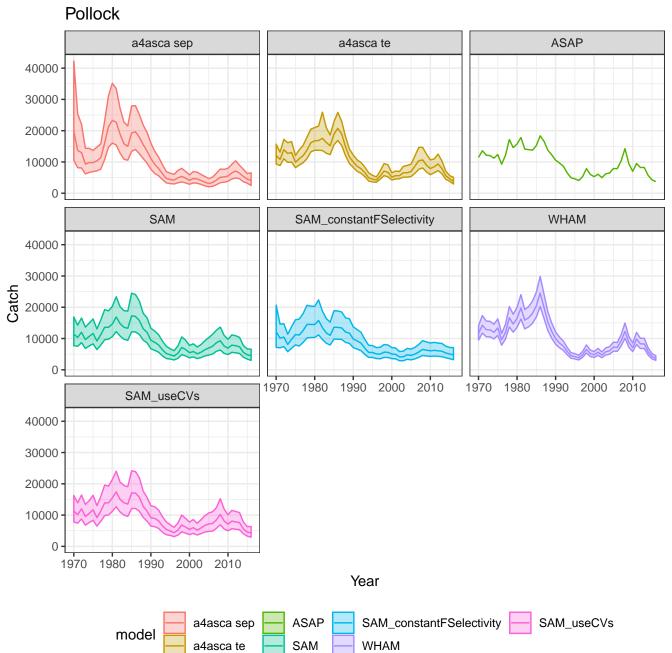
1970 1980 1990 2000 2010

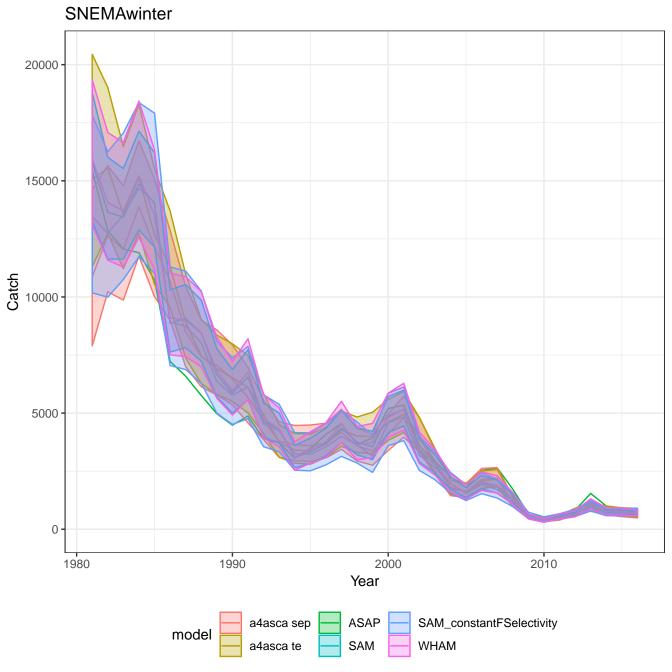
1970 1980 1990 2000 2010



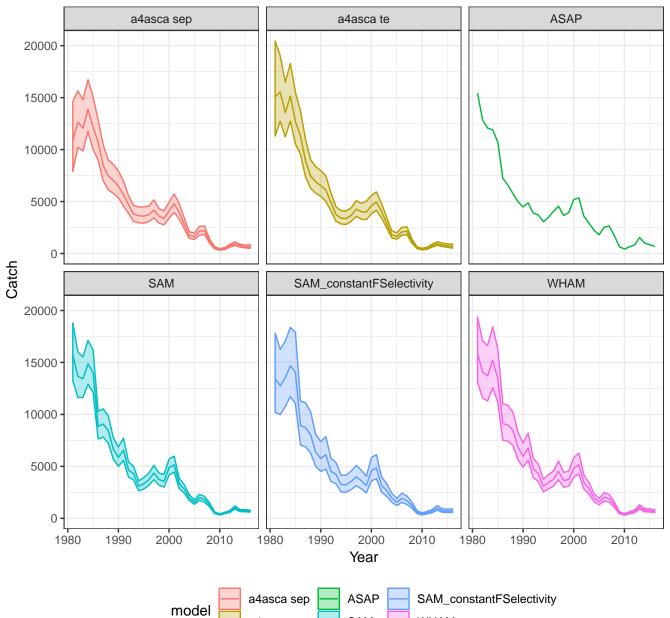








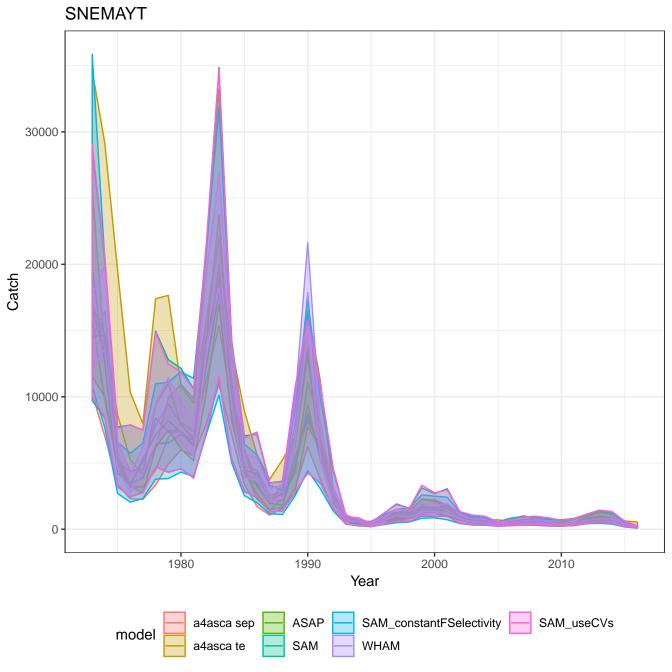
SNEMAwinter



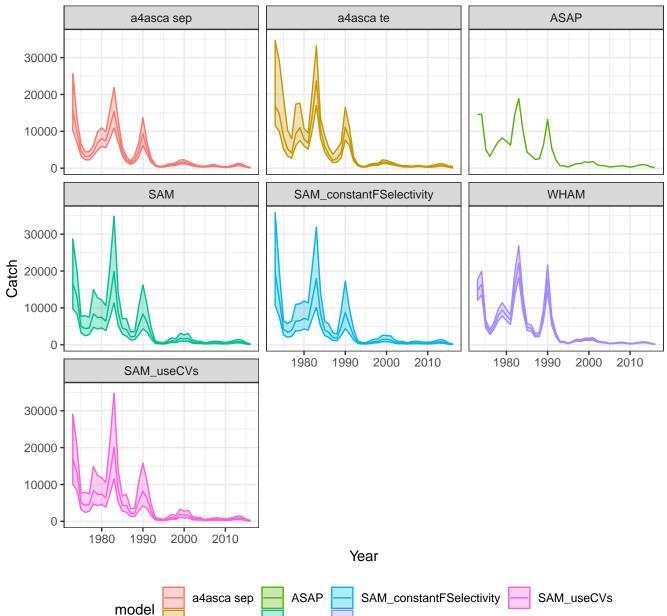
SAM

a4asca te

WHAM



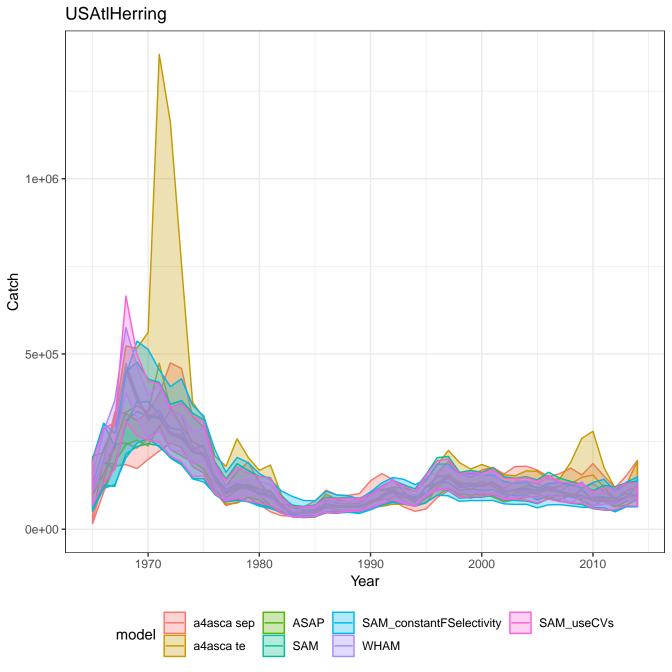
SNEMAYT



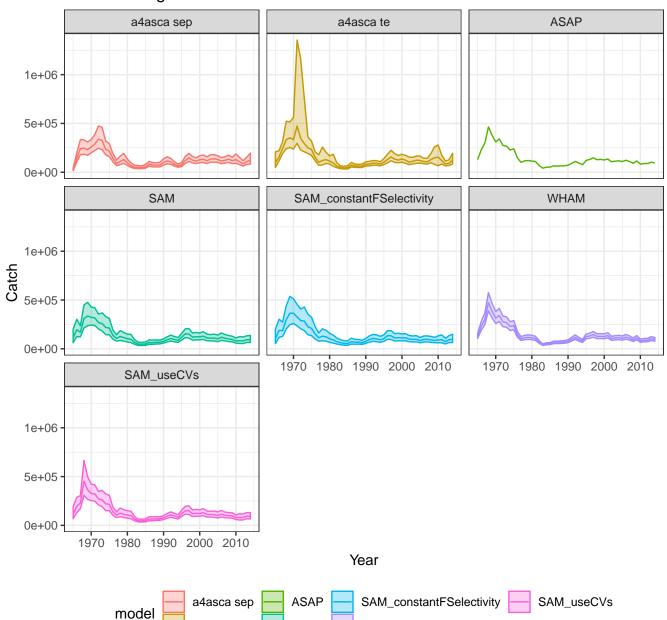
SAM

a4asca te

WHAM



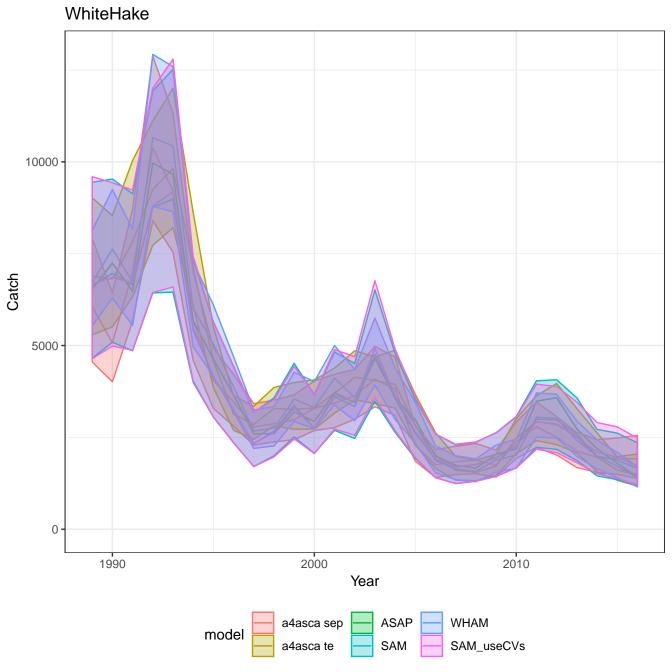
USAtlHerring



a4asca te

SAM

WHAM



WhiteHake ASAP a4asca sep a4asca te 10000 5000 0 Catch SAM WHAM SAM_useCVs 10000 -5000 0 2000 2010 1990 1990 2000 2010 2000 2010 1990 Year

