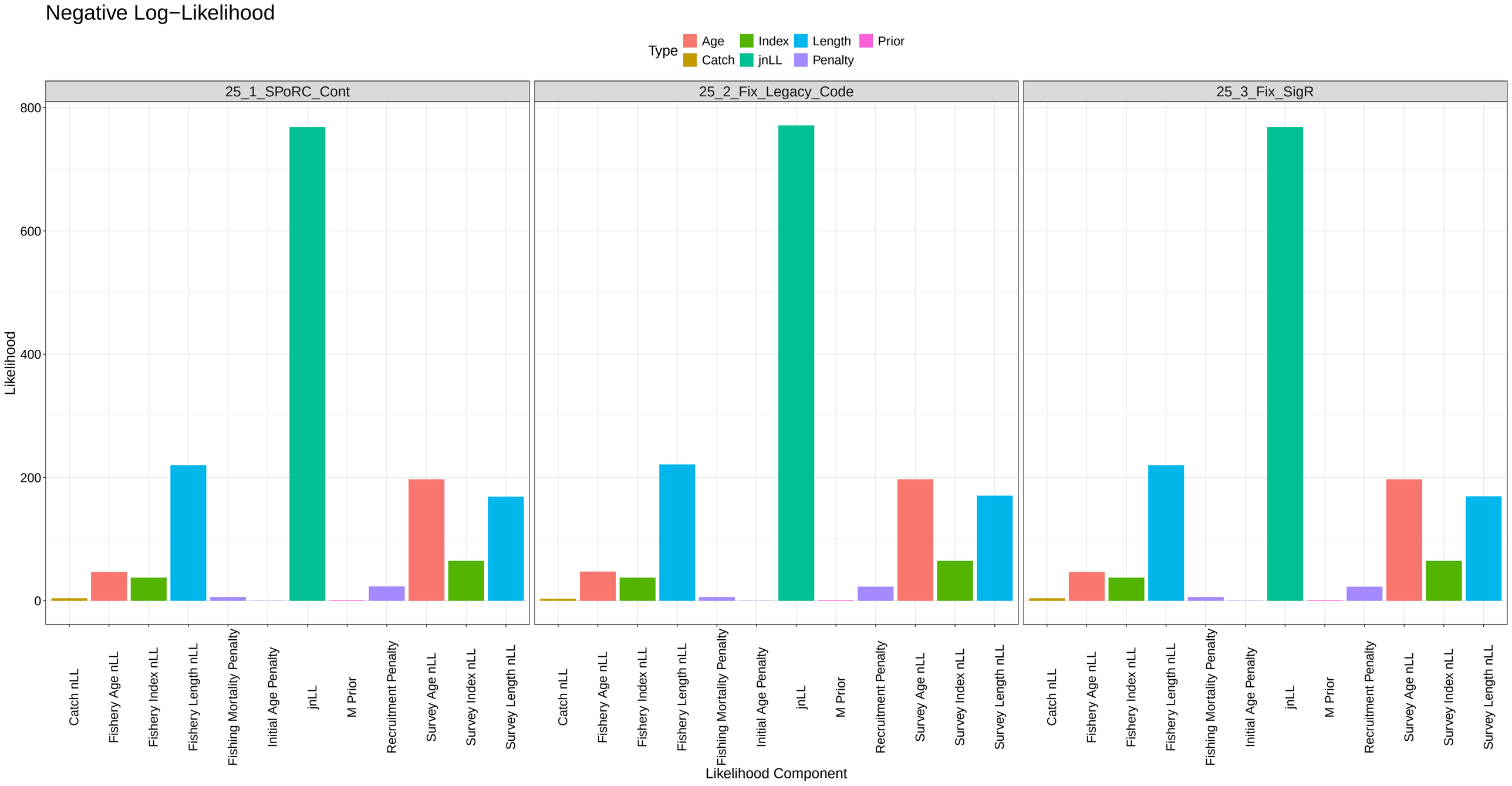
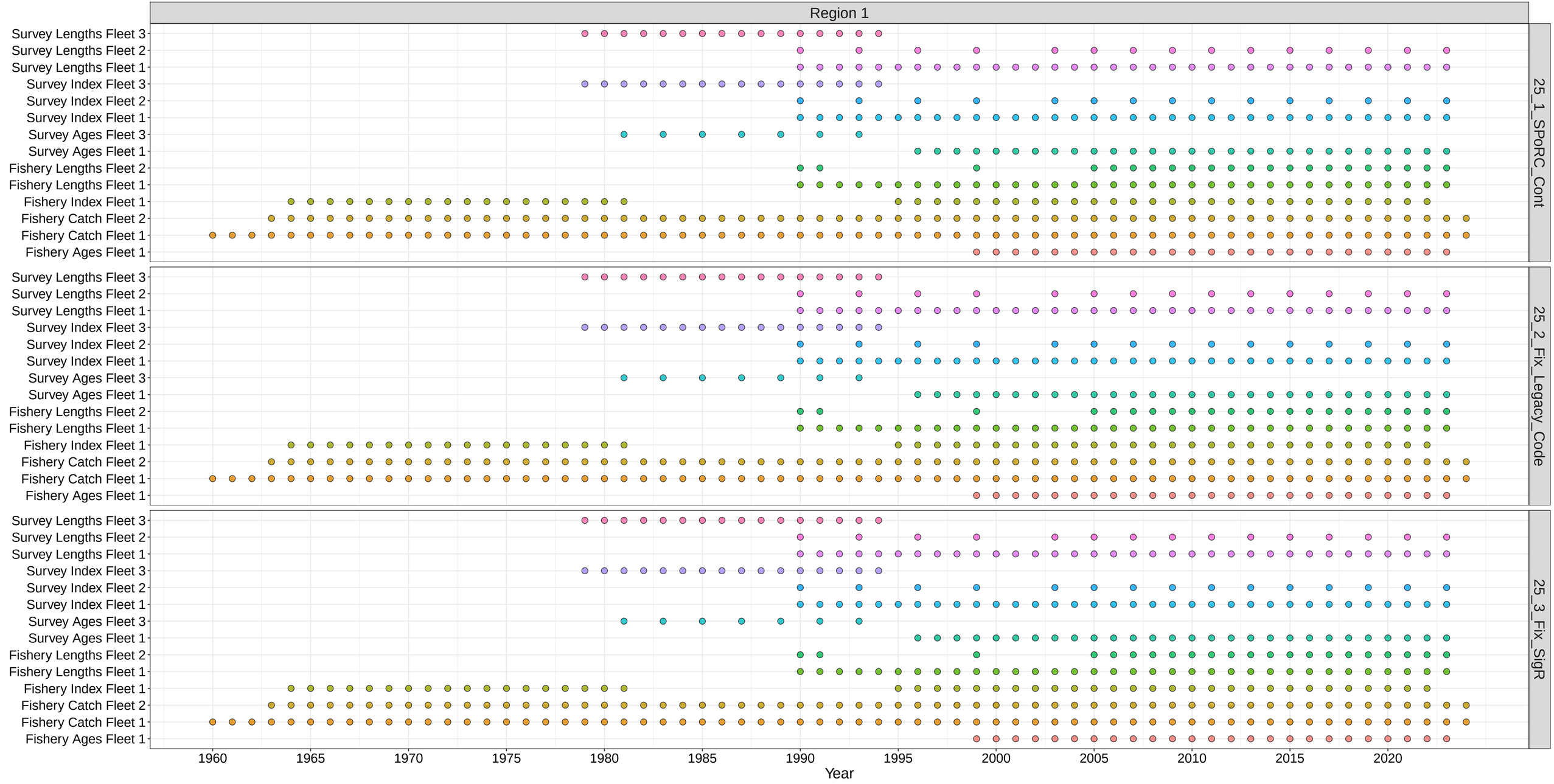
	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1	25_1_SPoRC_Cont	1	189.0804	0.04037044	49.68588	121.0229	0.08593	1.56235	0.46979
2	25_2_Fix_Legacy_Code	1	203.2045	0.03882372	51.65097	128.6548	0.08583	1.57945	0.45235
3	25_3_Fix_SigR	1	188.3272	0.04053991	49.38646	120.9461	0.08577	1.55712	0.47264

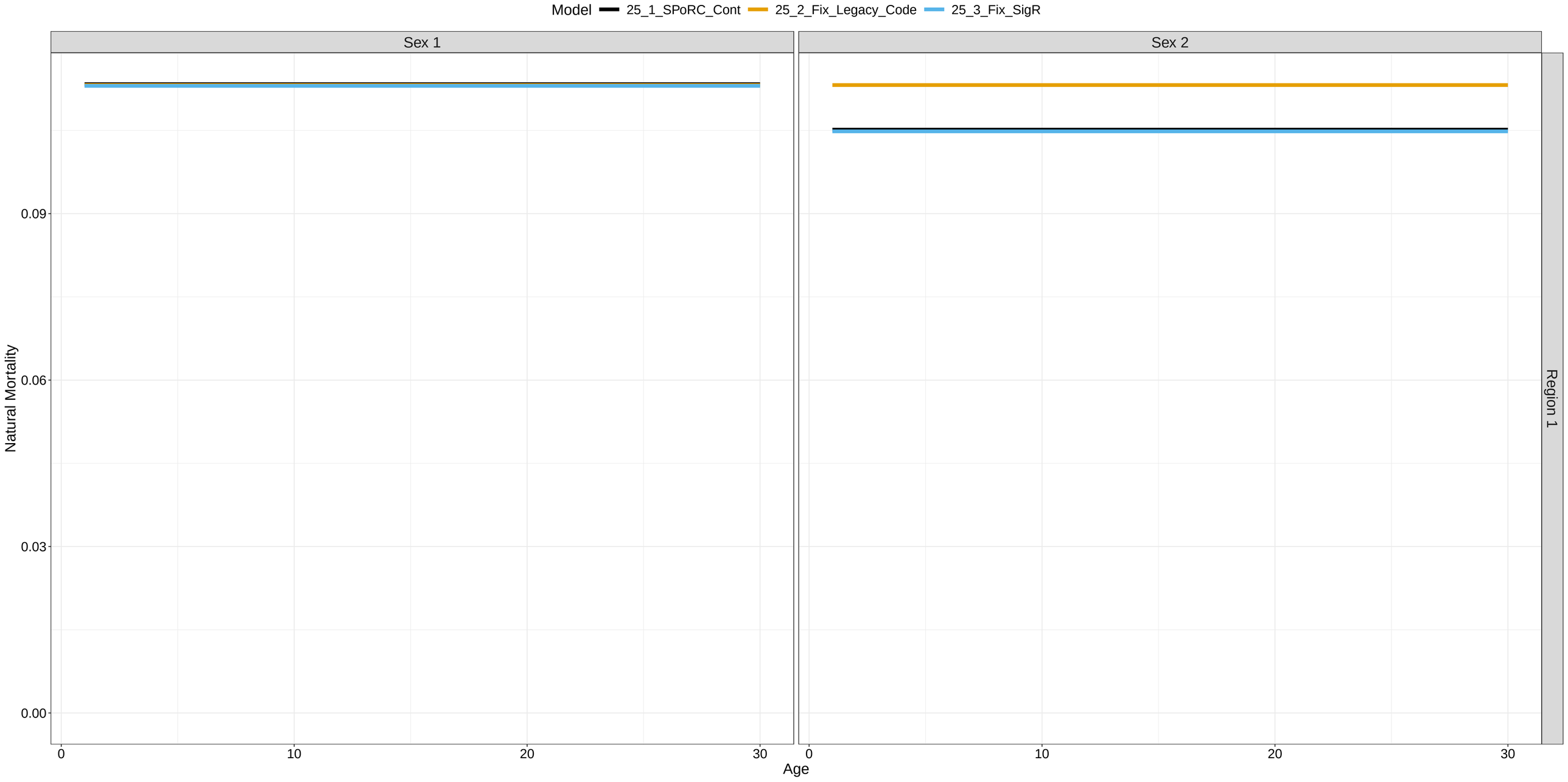
	Model	jnLL	M Prior	Recruitment Penalty	Catch nLL	Fishing Mortality Penalty	Survey Index nLL	Fishery Index nLL	Initial Age Penalty	Survey Age nLL	Fishery Age nLL	Survey Length nLL	Fishery Length nLL
1	25_1_SPoRC_Cont	768.8210	0.7838709	23.11463	3.688151	6.088752	64.49362	37.72432	0.1631310	197.0703	46.62799	169.0396	220.0267
2	25_2_Fix_Legacy_Code	771.1194	0.7662659	22.94943	3.384739	6.091542	64.77658	37.44798	0.1714670	196.7168	47.31267	170.3107	221.1912
3	25_3_Fix_SigR	768.8556	0.7502505	22.94854	3.718270	6.090218	64.50946	37.74435	0.1572363	197.0988	46.62127	169.1287	220.0885

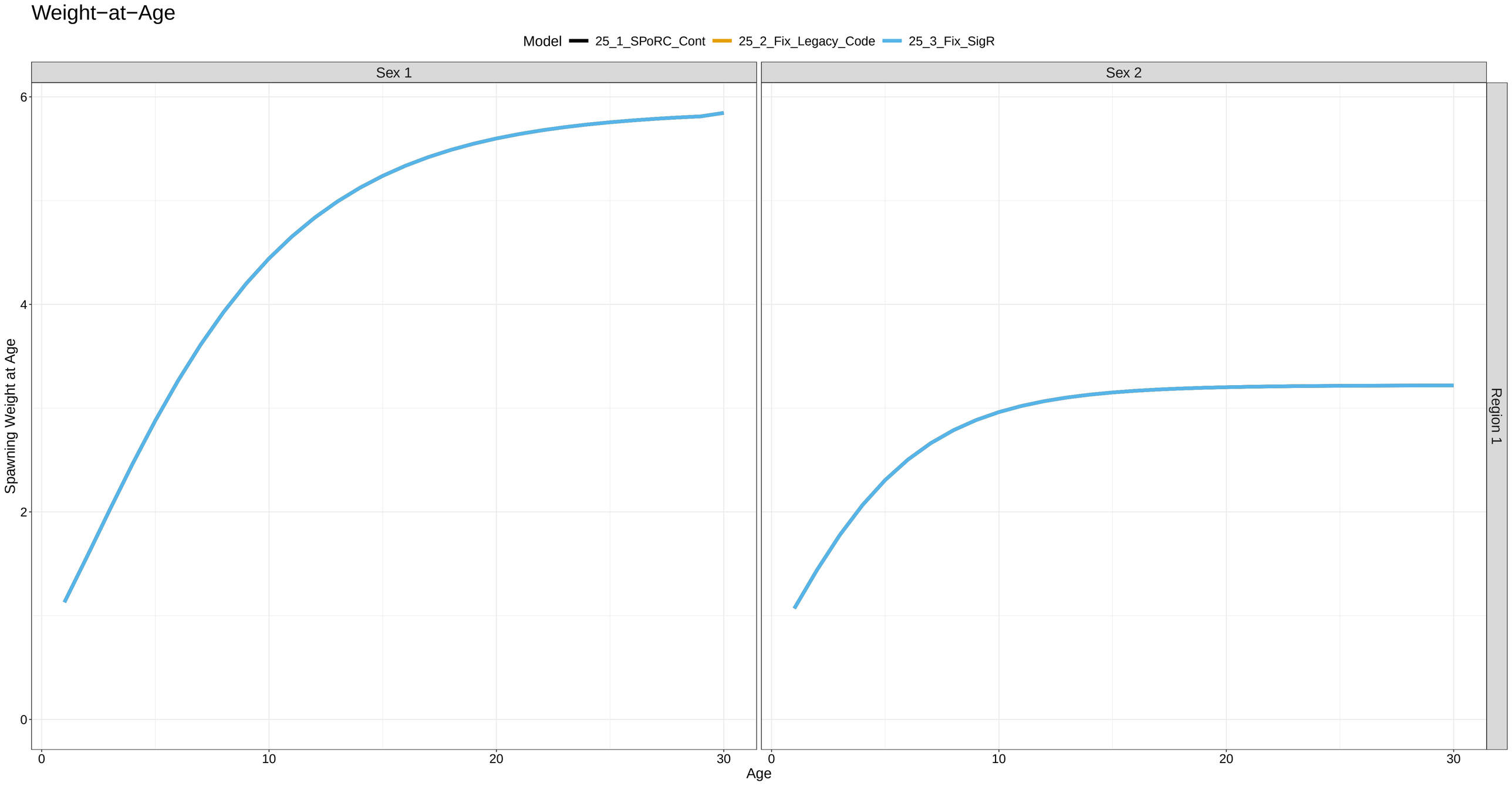

Negative Log−Likelihood
Type
Age
Index
Length
Prior
Catch
jnLL
Penalty
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
Likelihood
800
600
400
200
0
Catch nLL
Fishery Age nLL
Fishery Index nLL
Fishery Length nLL
Fishing Mortality Penalty
Initial Age Penalty
jnLL
M Prior
Recruitment Penalty
Survey Age nLL
Survey Index nLL
Survey Length nLL
Likelihood Component

Data

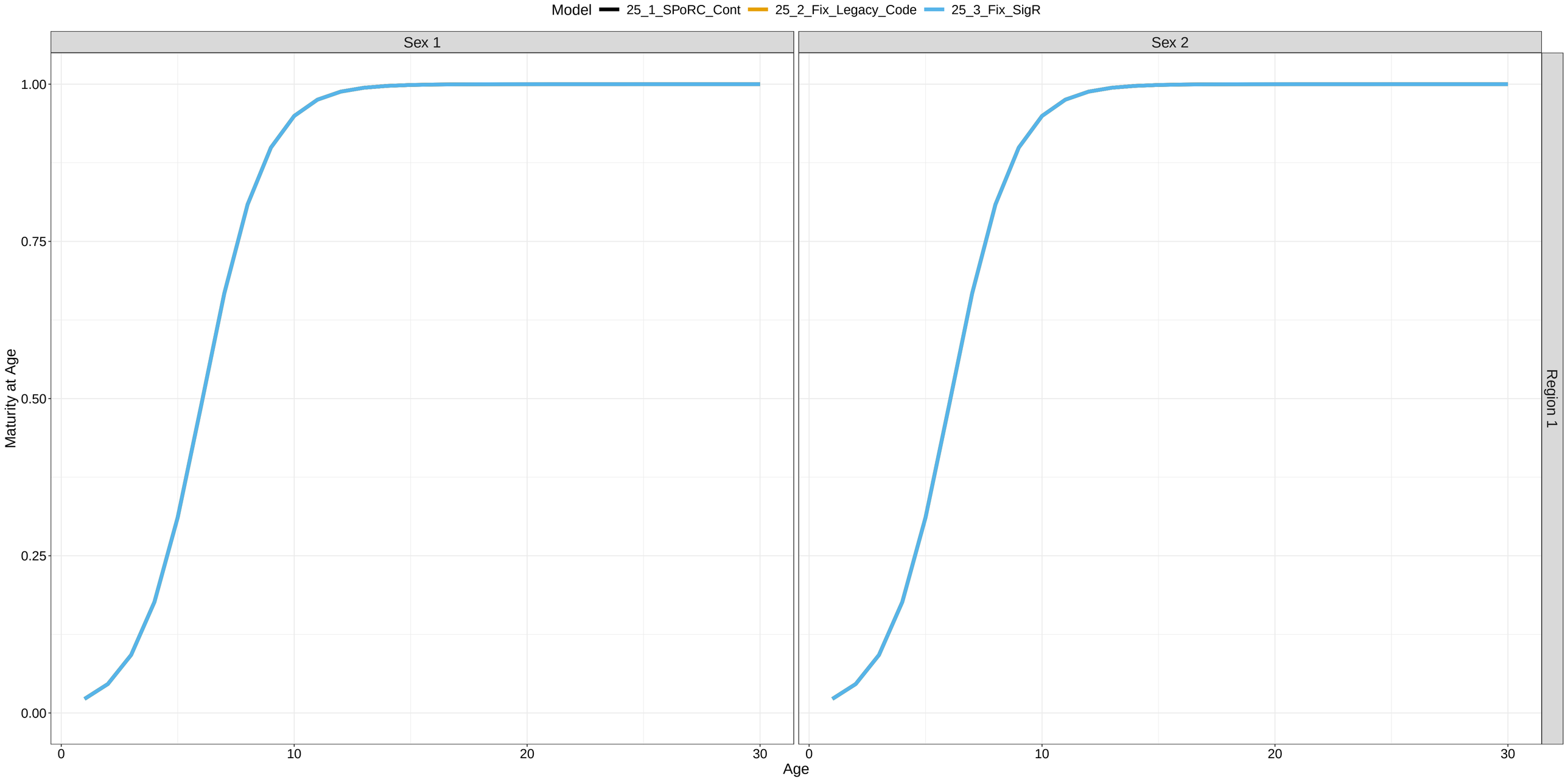

Region 1
Survey Lengths Fleet 3
Survey Lengths Fleet 2
Survey Lengths Fleet 1
Survey Index Fleet 3
Survey Index Fleet 2
Survey Index Fleet 1
Survey Ages Fleet 3
Survey Ages Fleet 1
Fishery Lengths Fleet 2
Fishery Lengths Fleet 1
Fishery Index Fleet 1
Fishery Catch Fleet 2
Fishery Catch Fleet 1
Fishery Ages Fleet 1
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
Year

Natural Mortality

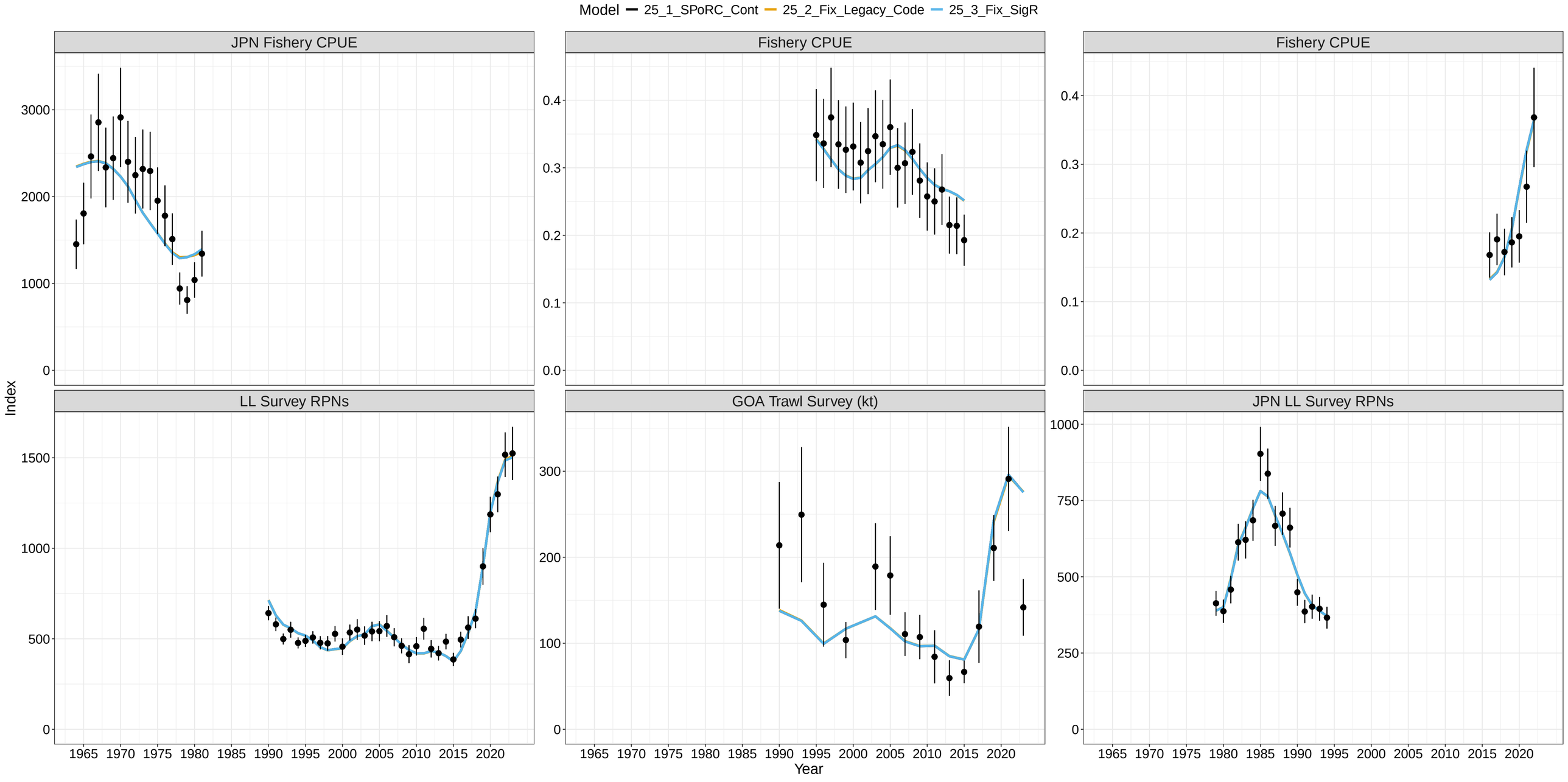



Weight−at−Age
Model
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
Sex 1
Sex 2
Region 1
Spawning Weight at Age
Age
0
2
4
6
0
10
20
30

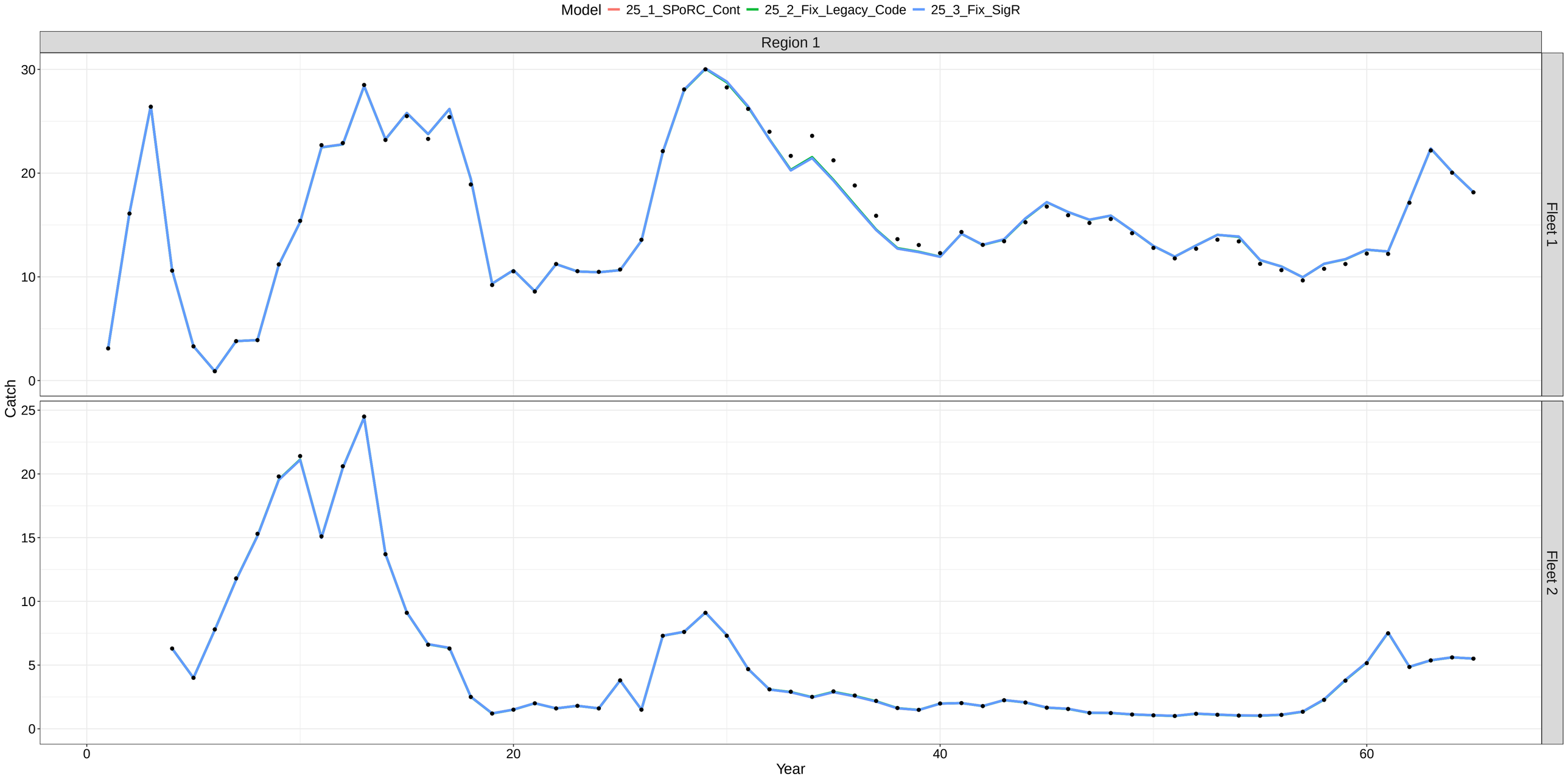
Maturity

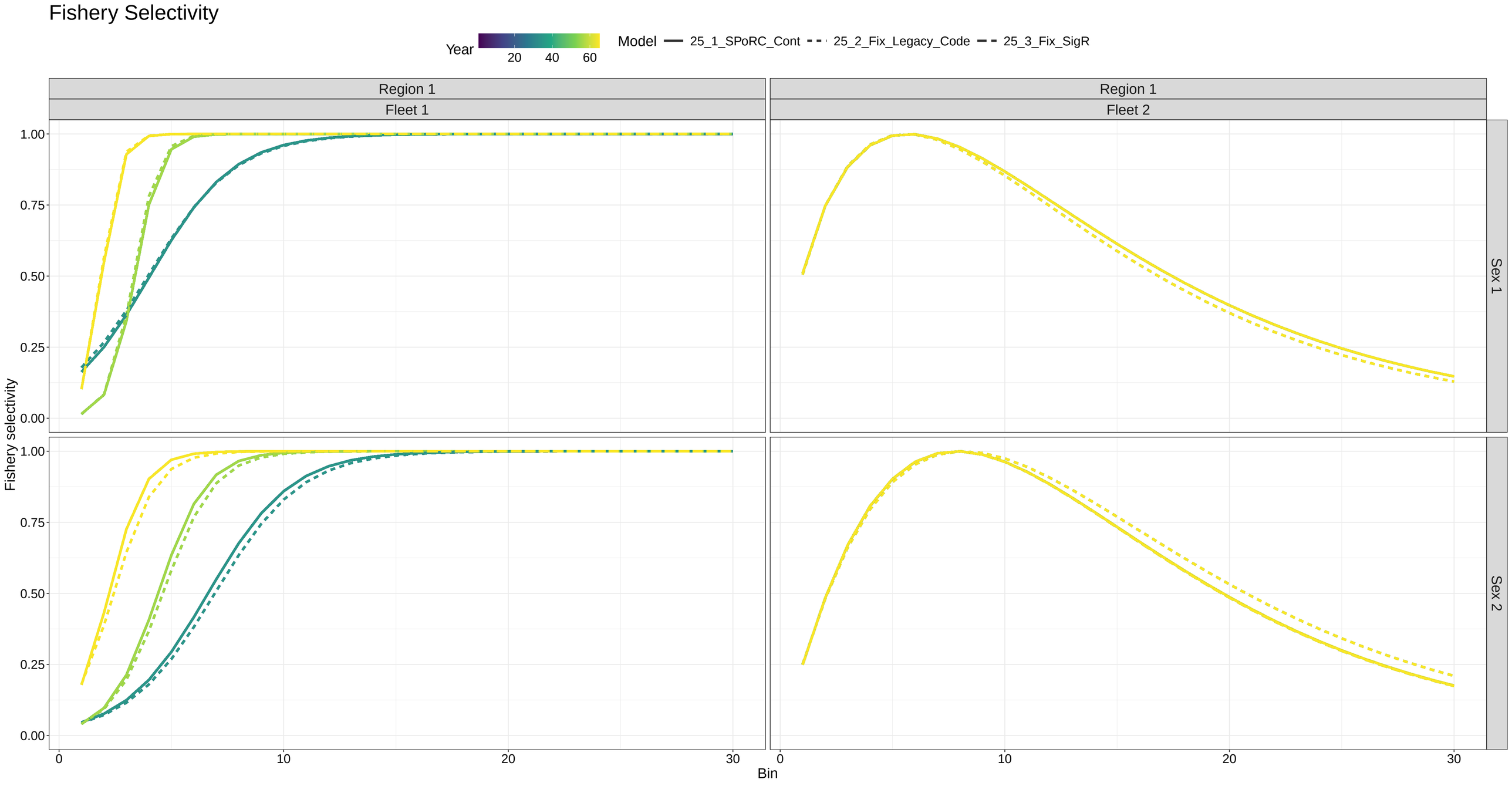

Model
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
Sex 1
Sex 2
Region 1
Maturity at Age
1.00
0.75
0.50
0.25
0.00
0
10
20
30
Age

Index Fits

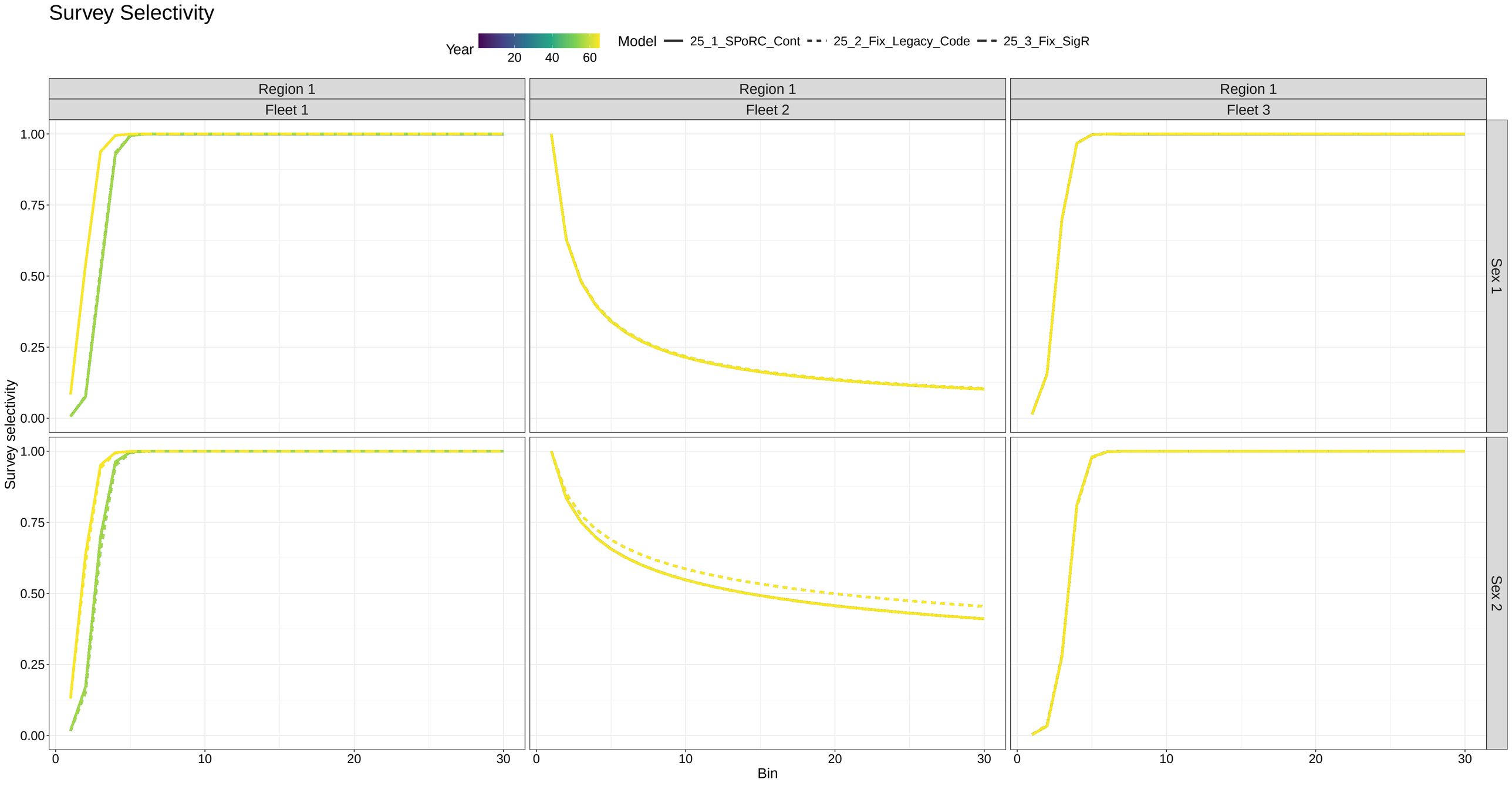

Model 25_1_SPoRC_Cont 25_2_Fix_Legacy_Code 25_3_Fix_SigR
JPN Fishery CPUE
Fishery CPUE
Fishery CPUE
LL Survey RPNs
GOA Trawl Survey (kt)
JPN LL Survey RPNs
Index
Year

Catch

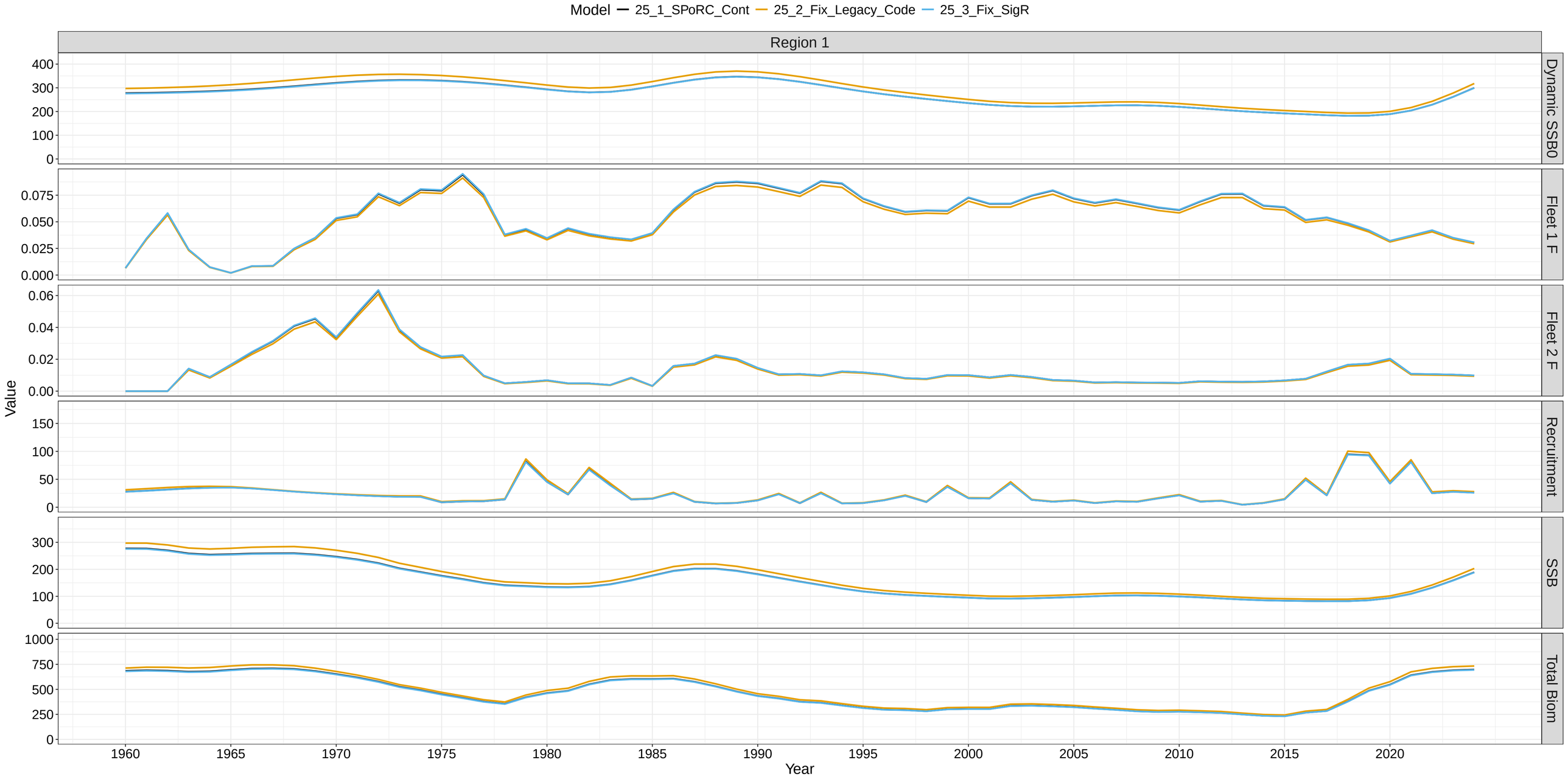

Model
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
Region 1
Fleet 1
Fleet 2
Catch
Year
0
10
20
30
0
5
10
15
20
25
0
20
40
60


Fishery Selectivity
Year
20
40
60
Model
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
Region 1
Fleet 1
Region 1
Fleet 2
Sex 1
Sex 2
Fishery selectivity
1.00
0.75
0.50
0.25
0.00
0
10
20
30
Bin

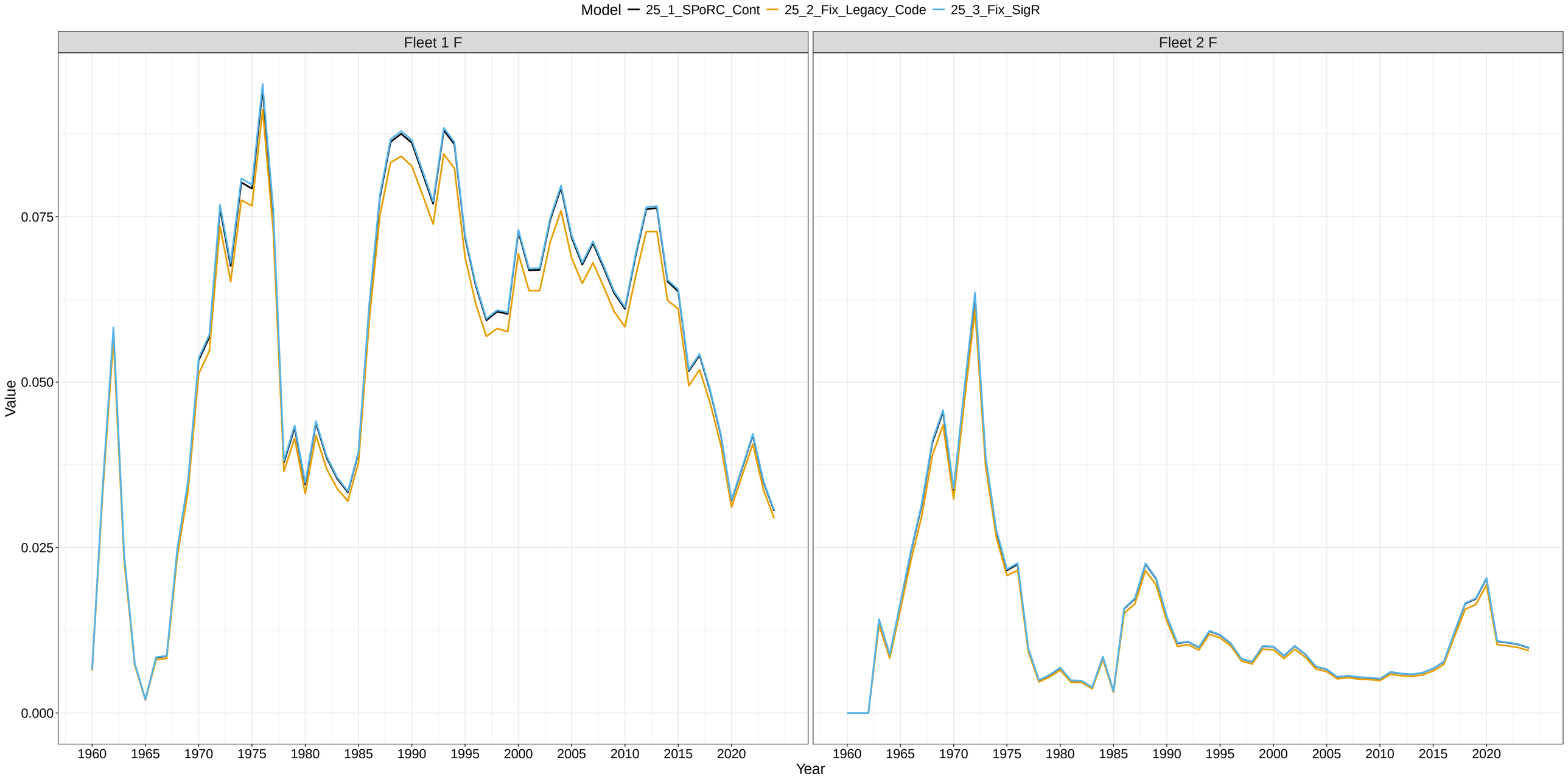
Survey Selectivity



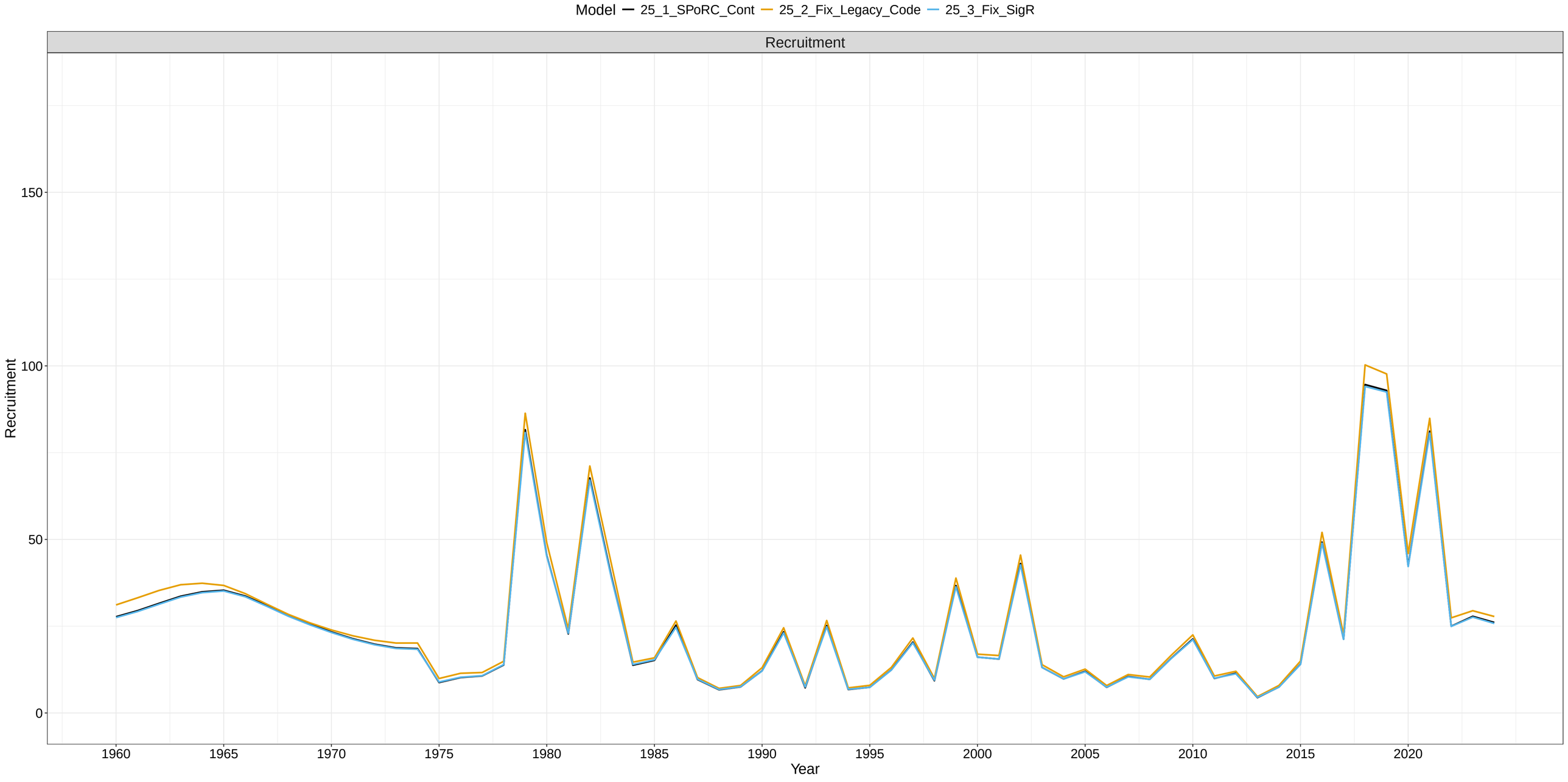
Time Series Plots

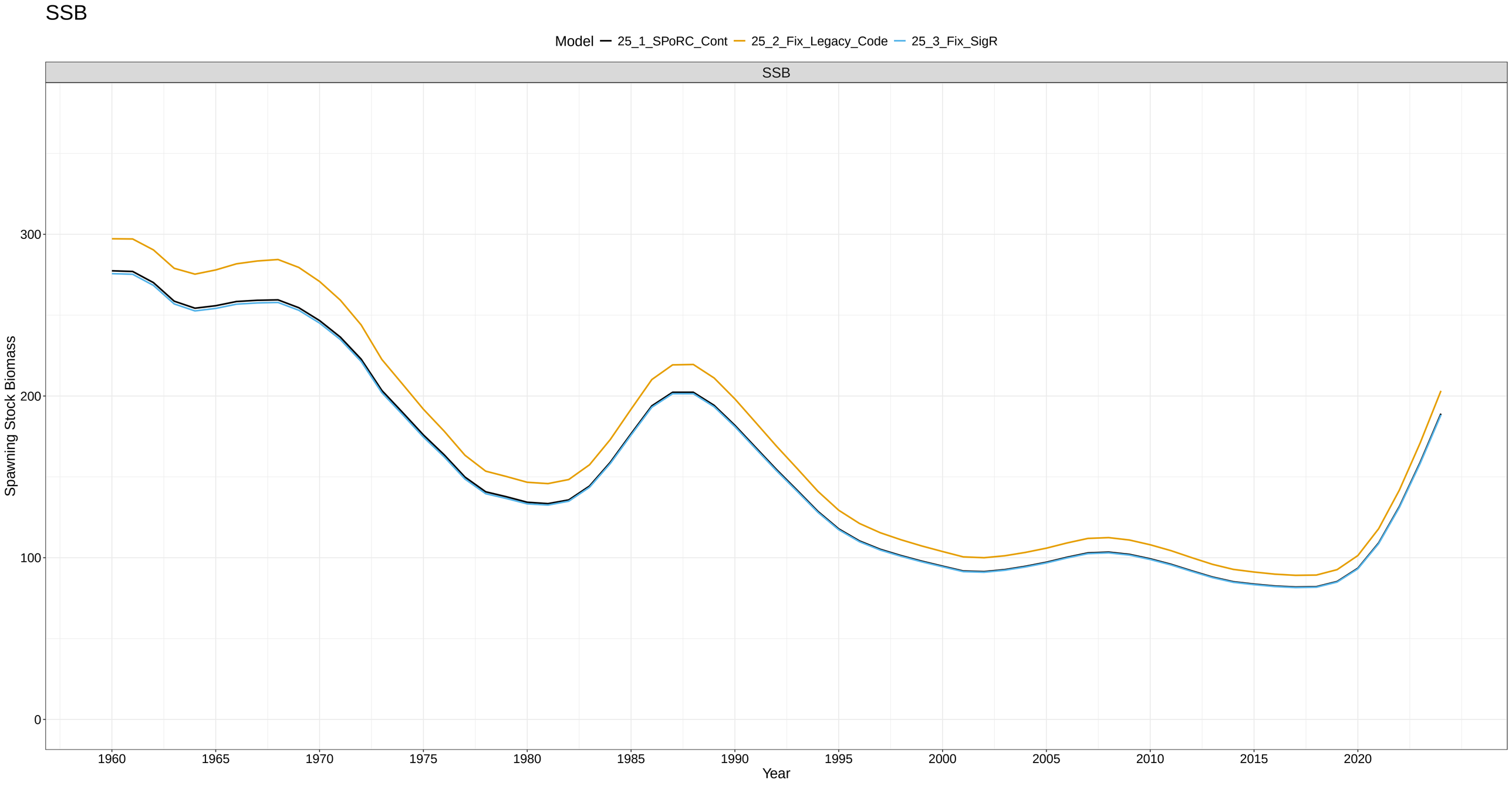


Fishing Mortality

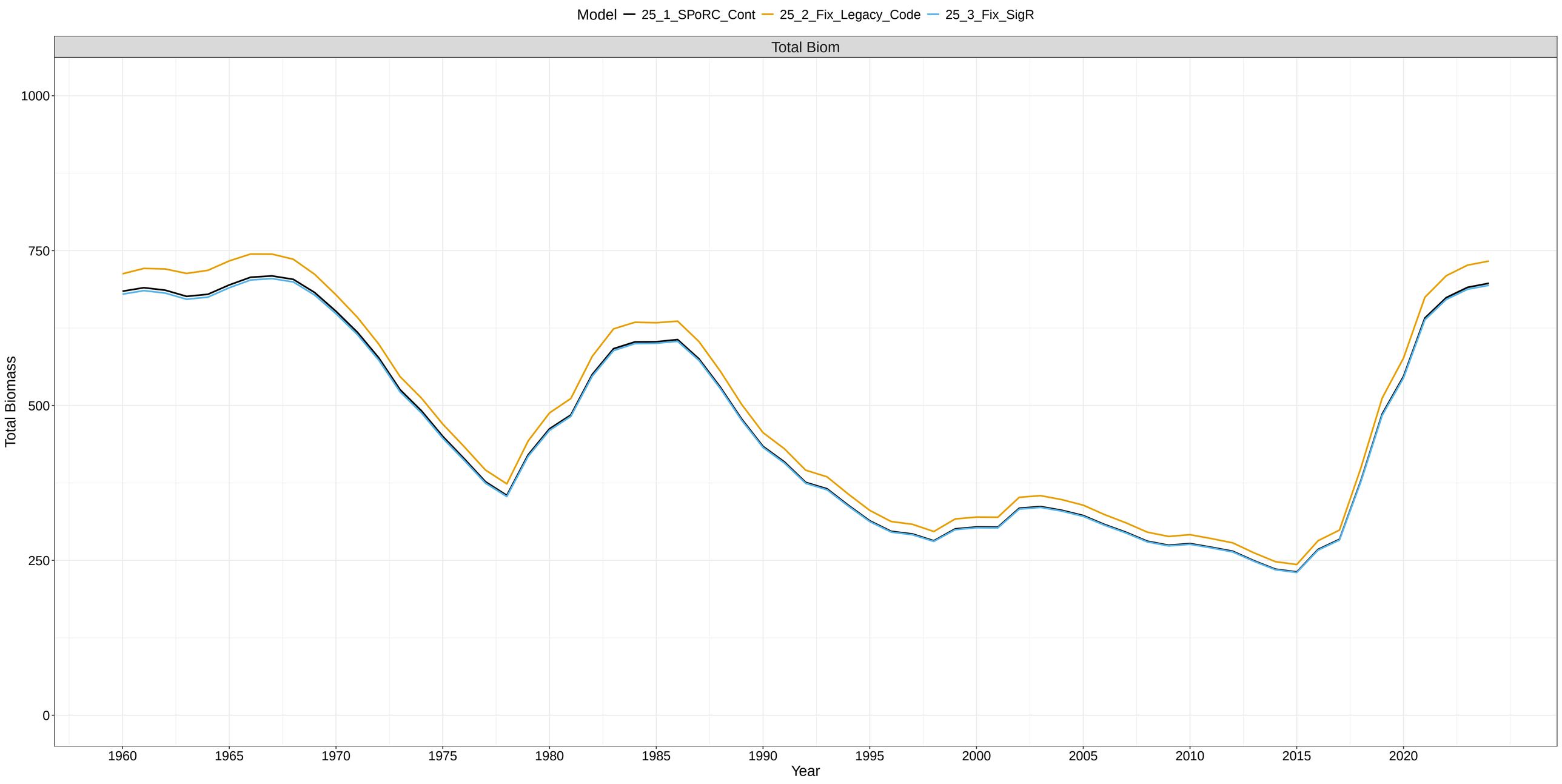


Recruitment

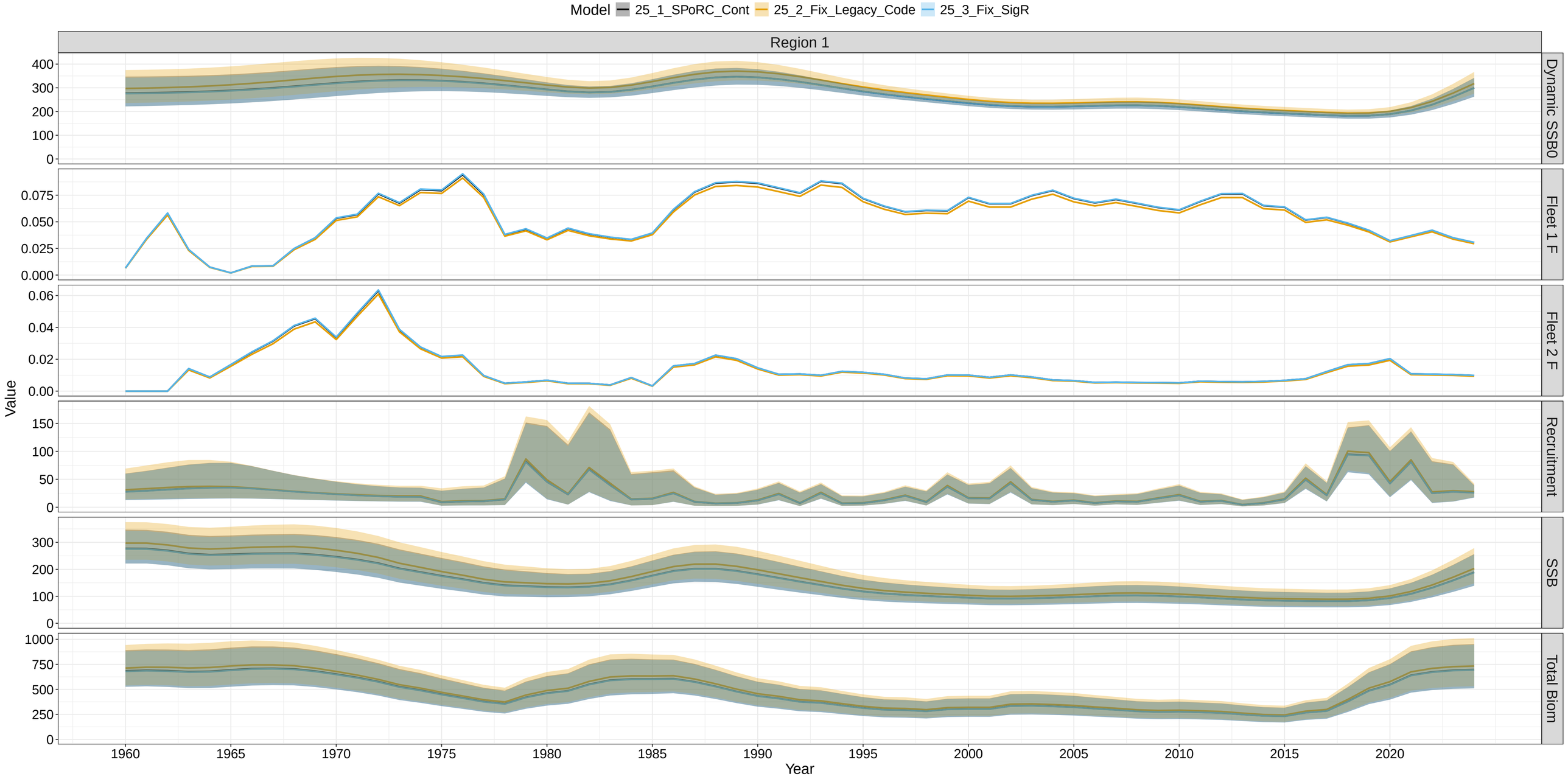



SSB
Model
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
SSB
Spawning Stock Biomass
0
100
200
300
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
Year

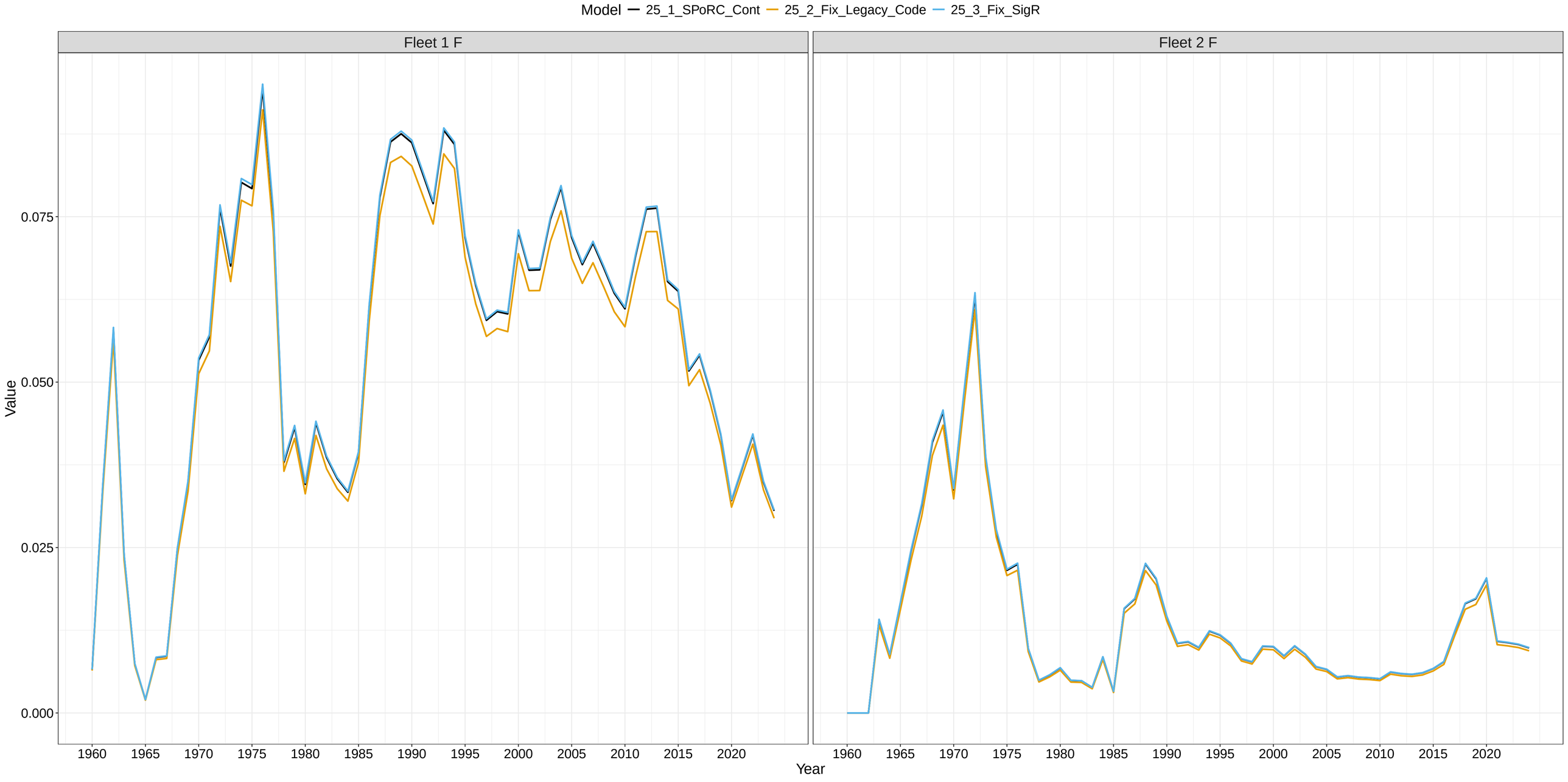
Biomass

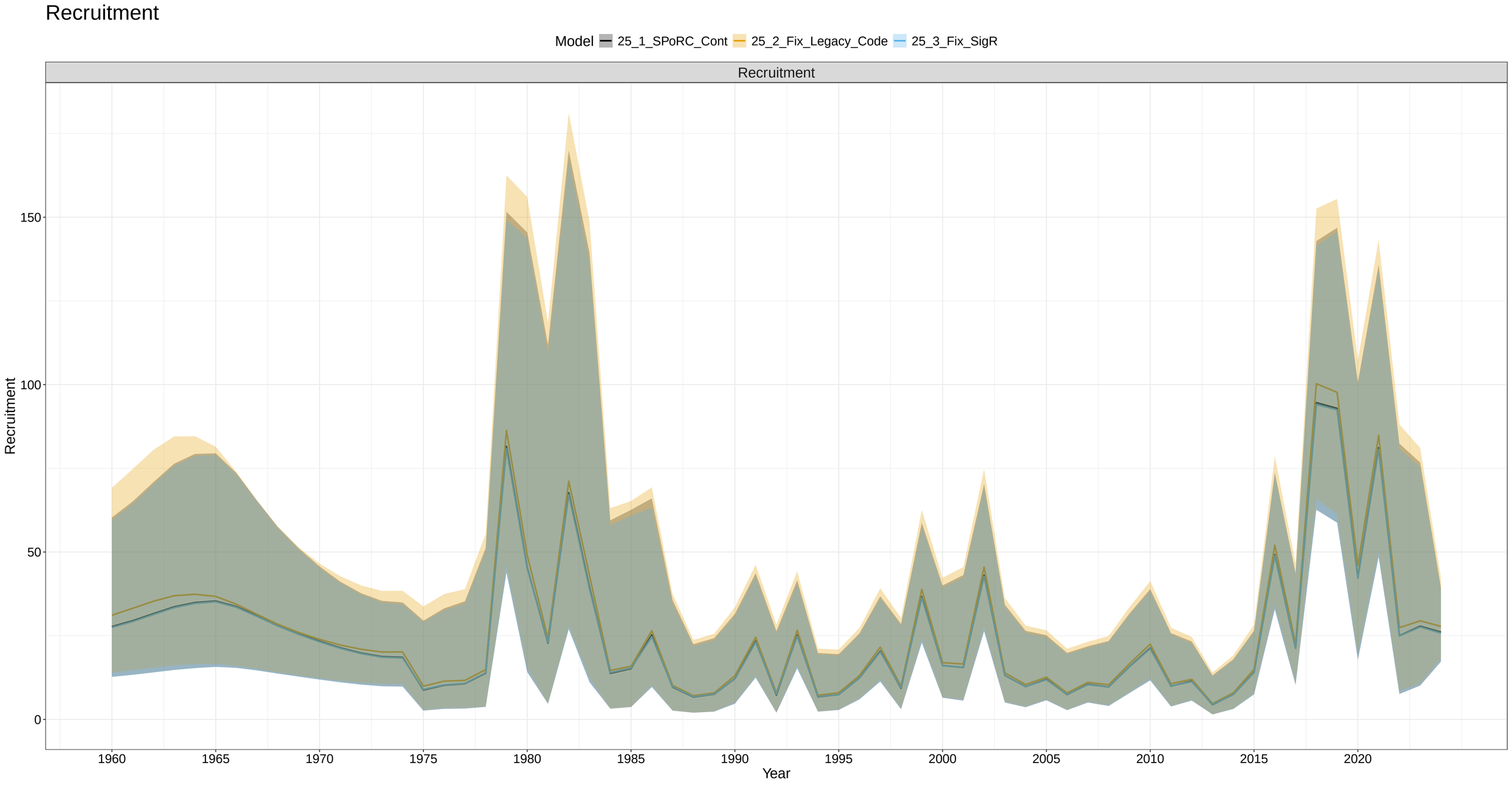

Model
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
Total Biom
Total Biomass
1000
750
500
250
0
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
Year

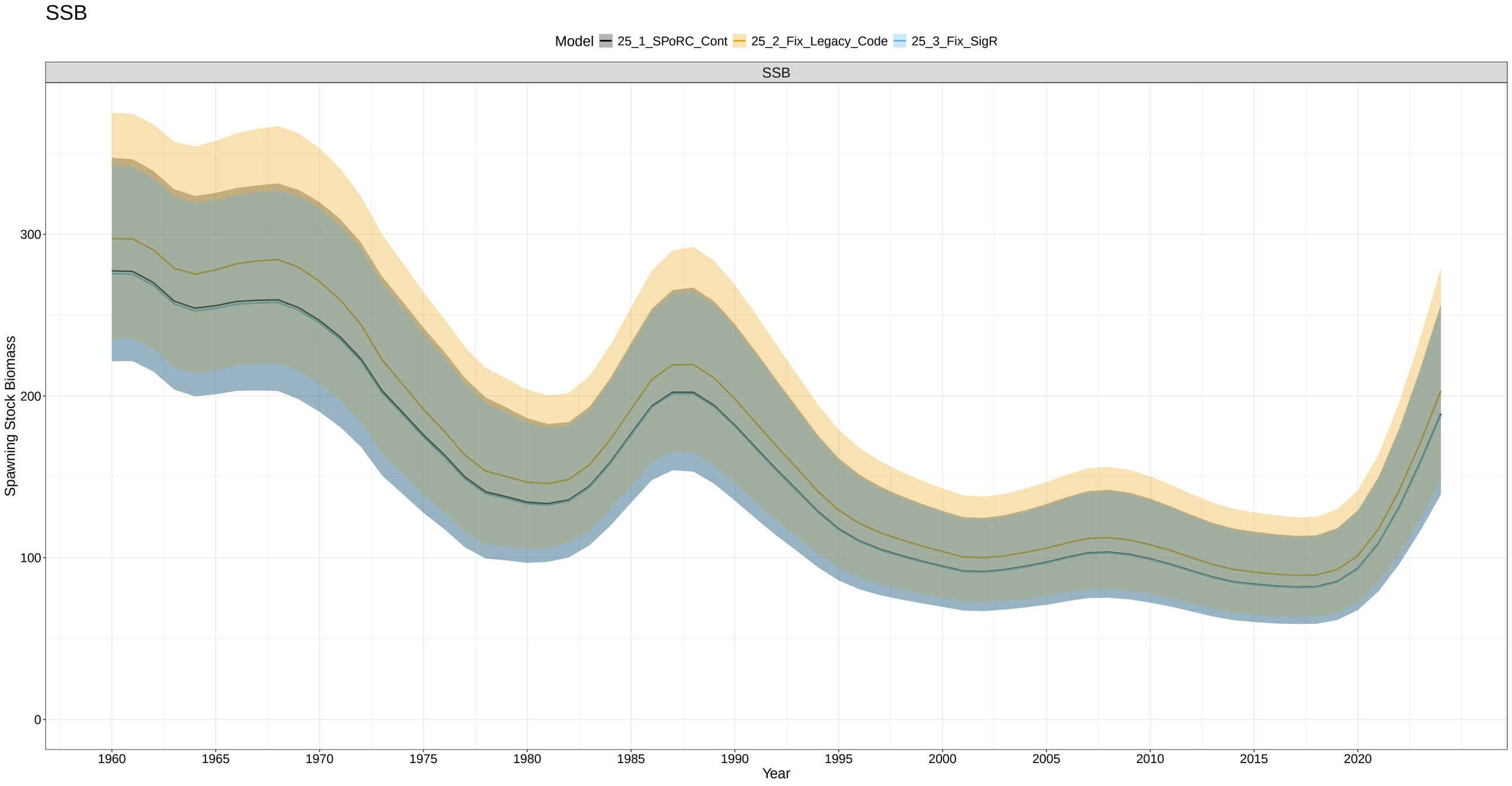
Time Series Plots



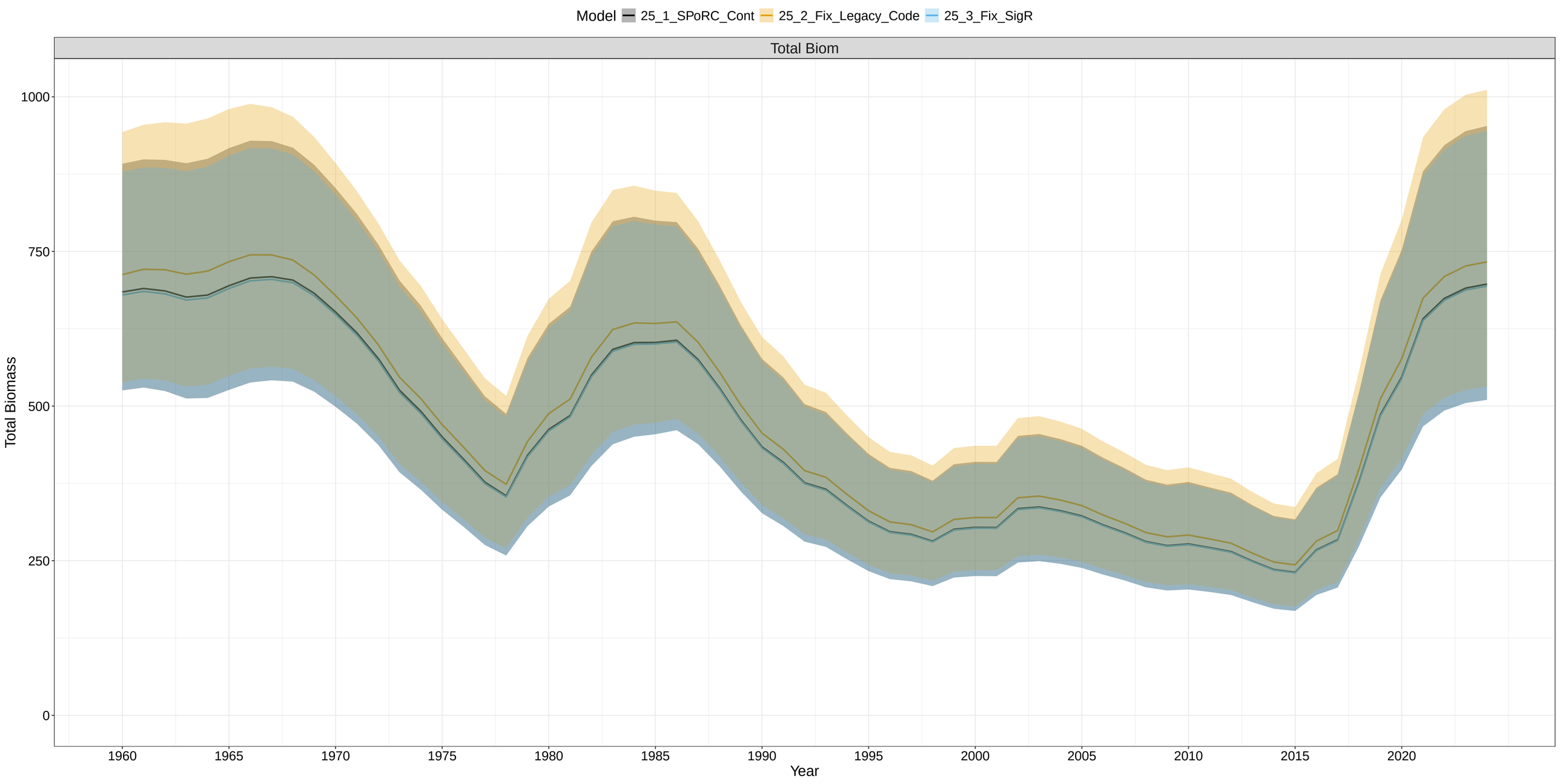
Fishing Mortality




Recruitment
Model
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
Recruitment
Recruitment
150
100
50
0
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
Year


SSB
Model
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
SSB
Spawning Stock Biomass
0
100
200
300
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
Year

Biomass


Model
25_1_SPoRC_Cont
25_2_Fix_Legacy_Code
25_3_Fix_SigR
Total Biom
Total Biomass
1000
750
500
250
0
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020
Year