

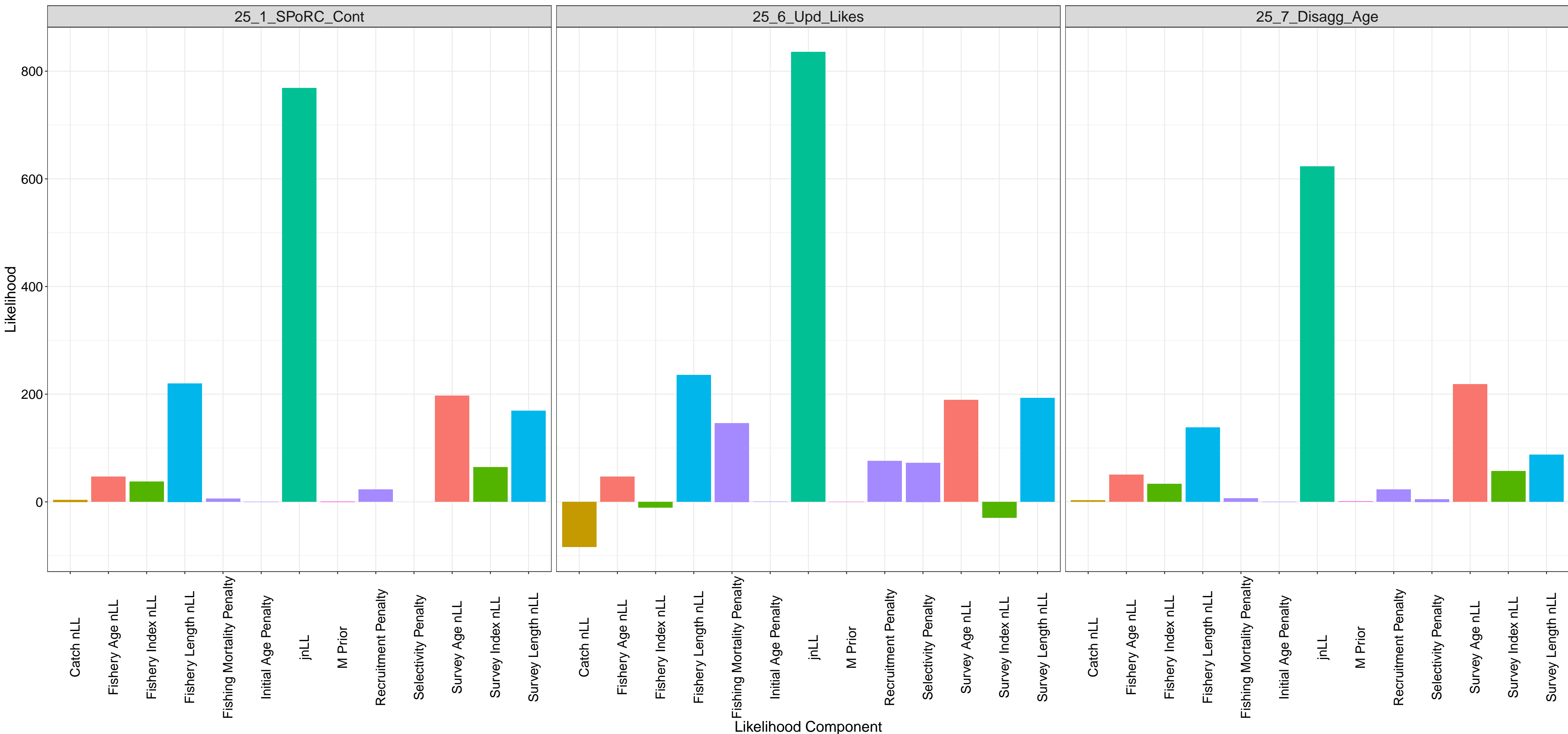
	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1	25_1_SPoRC_Cont	1	189.0804	0.04037044	49.68588	121.0229	0.08593	1.56235	0.46979
2	25_6_Upd_Likes	1	200.9191	0.03842778	52.95886	128.0622	0.08665	1.56892	0.44350
3	25_7_Disagg_Age	1	182.5187	0.04918914	45.61297	113.8113	0.09799	1.60370	0.50200

	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	Selectivity Penalty
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	169.03957	220.0267	NA
2	25_6_Upd_Likes	835.7924	−0.2354034	76.09974	−83.779841	146.315255	−29.36051	−10.47291	0.3208338	189.2229	46.83455	192.90260	235.4203	72.524762
3	25_7_Disagg_Age	623.2369	1.1178911	22.97678	2.643346	6.345658	57.17526	33.34443	0.1361954	218.6027	50.22008	87.54925	138.0789	5.046348

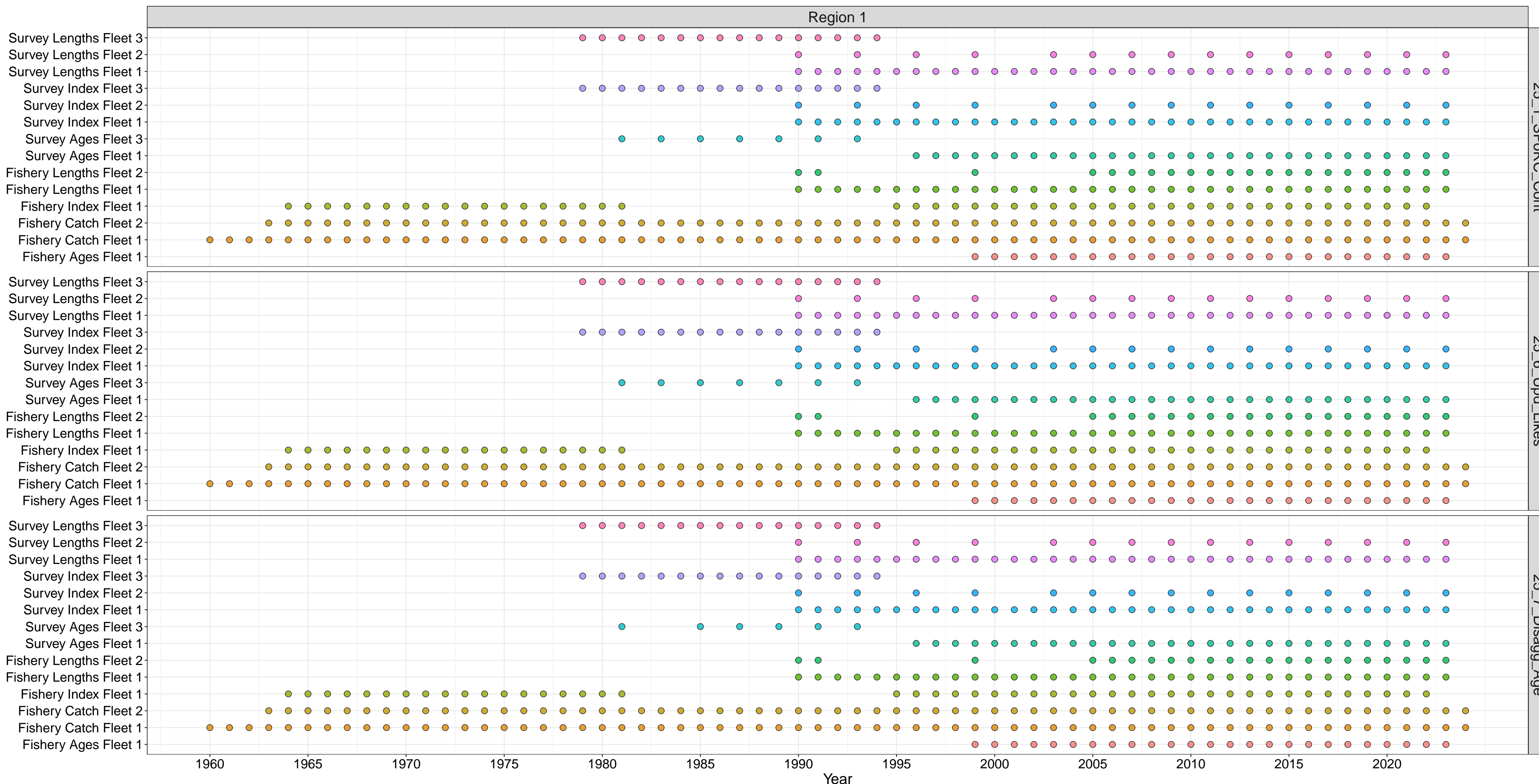
Negative Log-Likelihood

Type

Age	Index	Length	Prior
Catch	jnLL	Penalty	

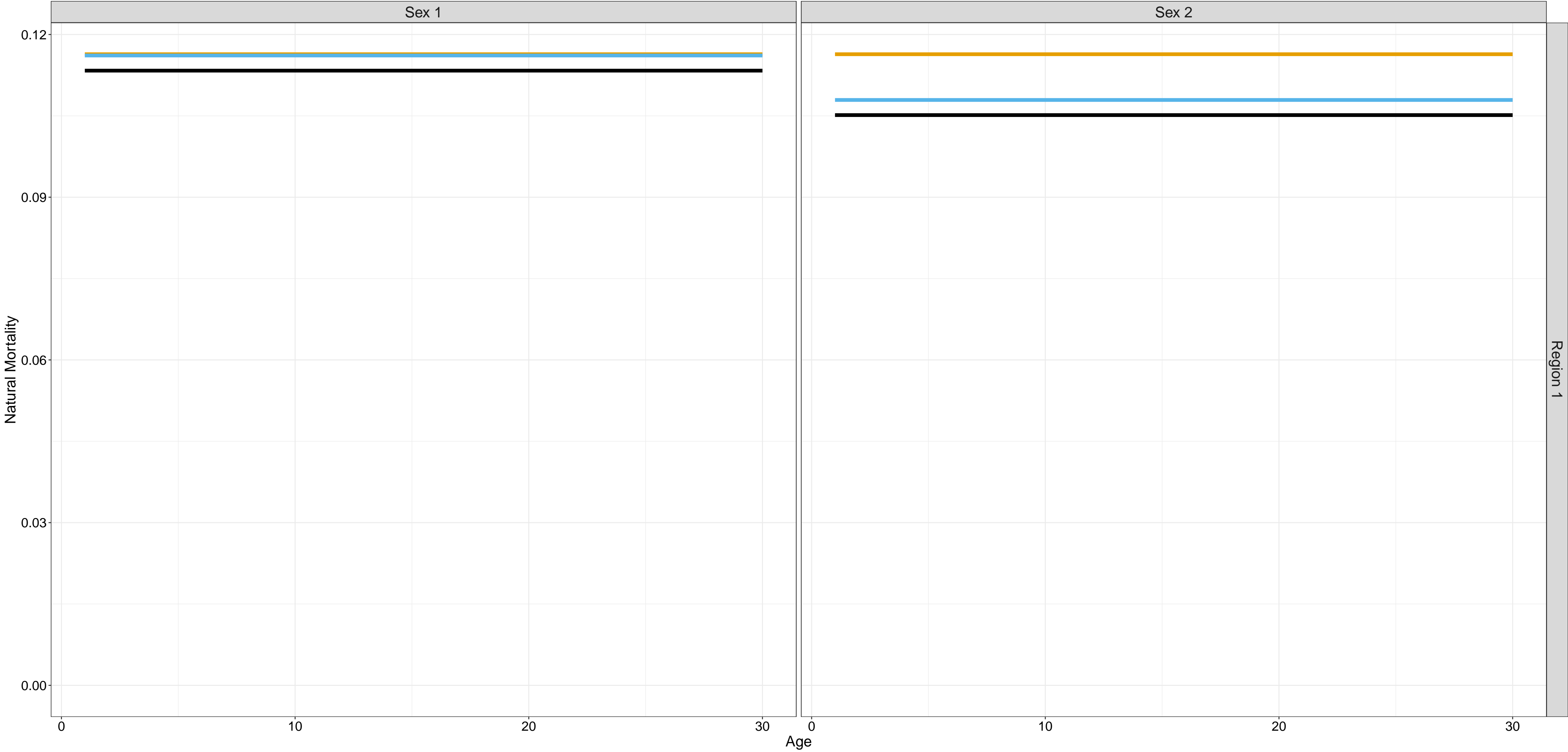


Data



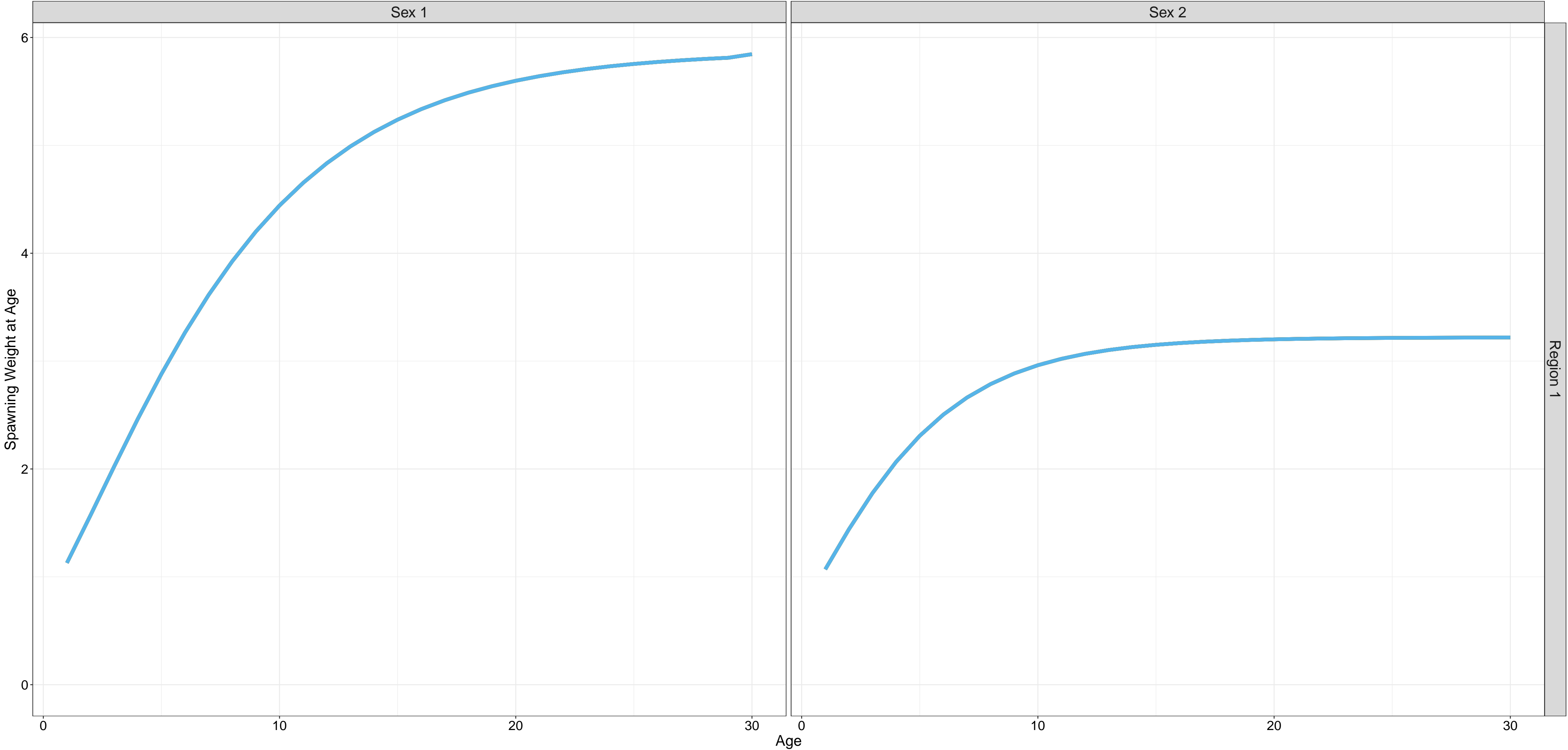
Natural Mortality

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age



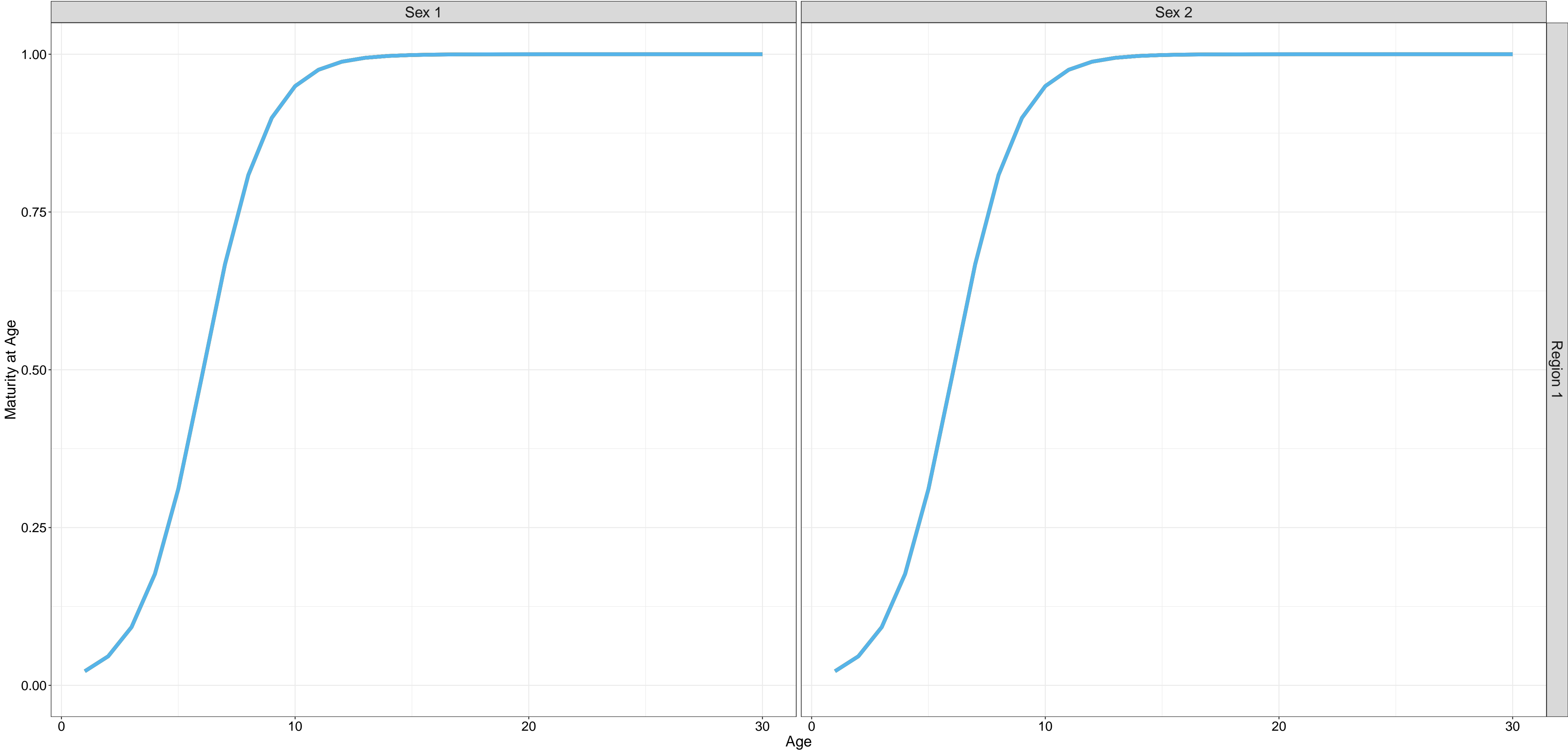
Weight-at-Age

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age



Maturity

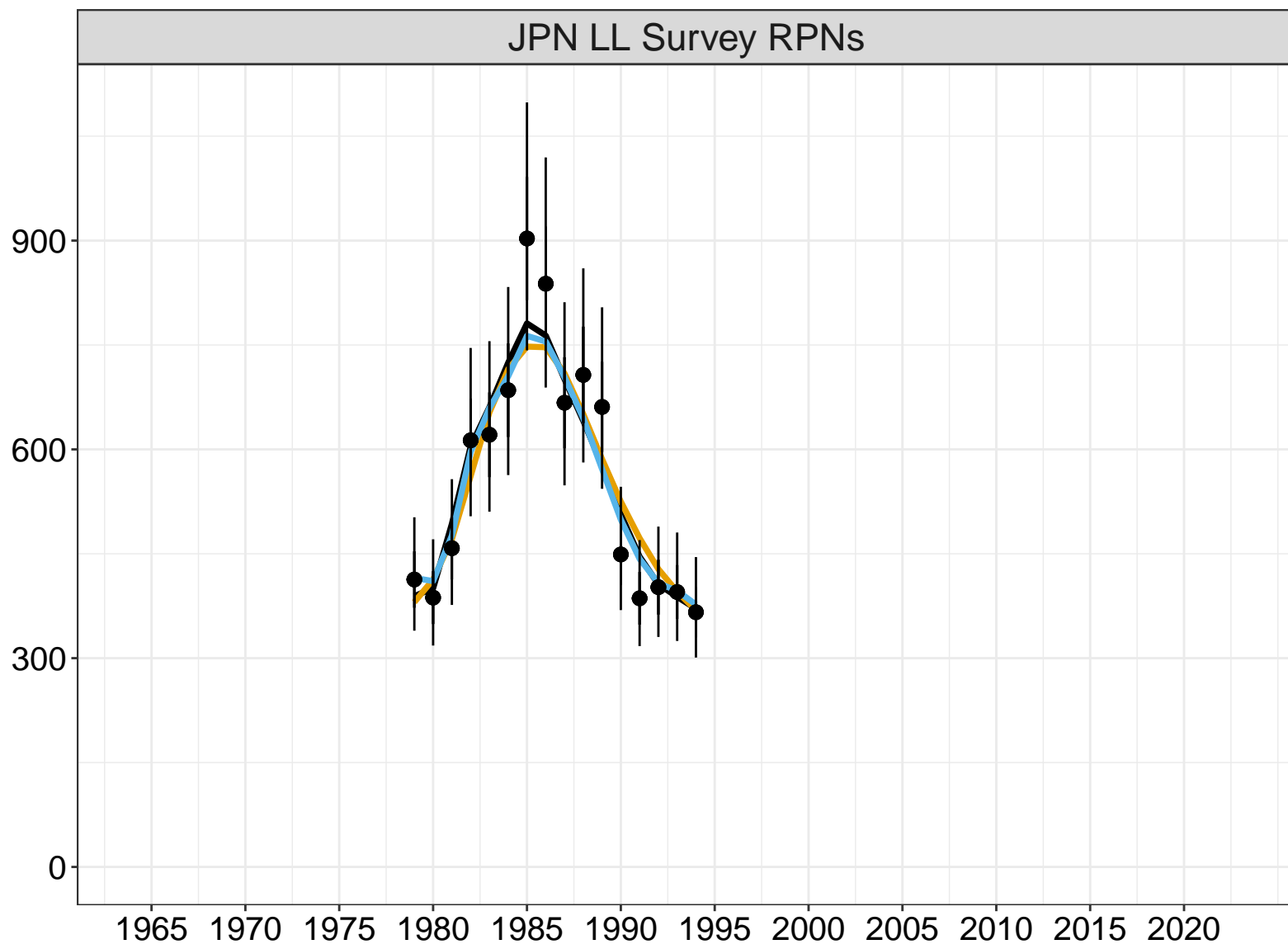
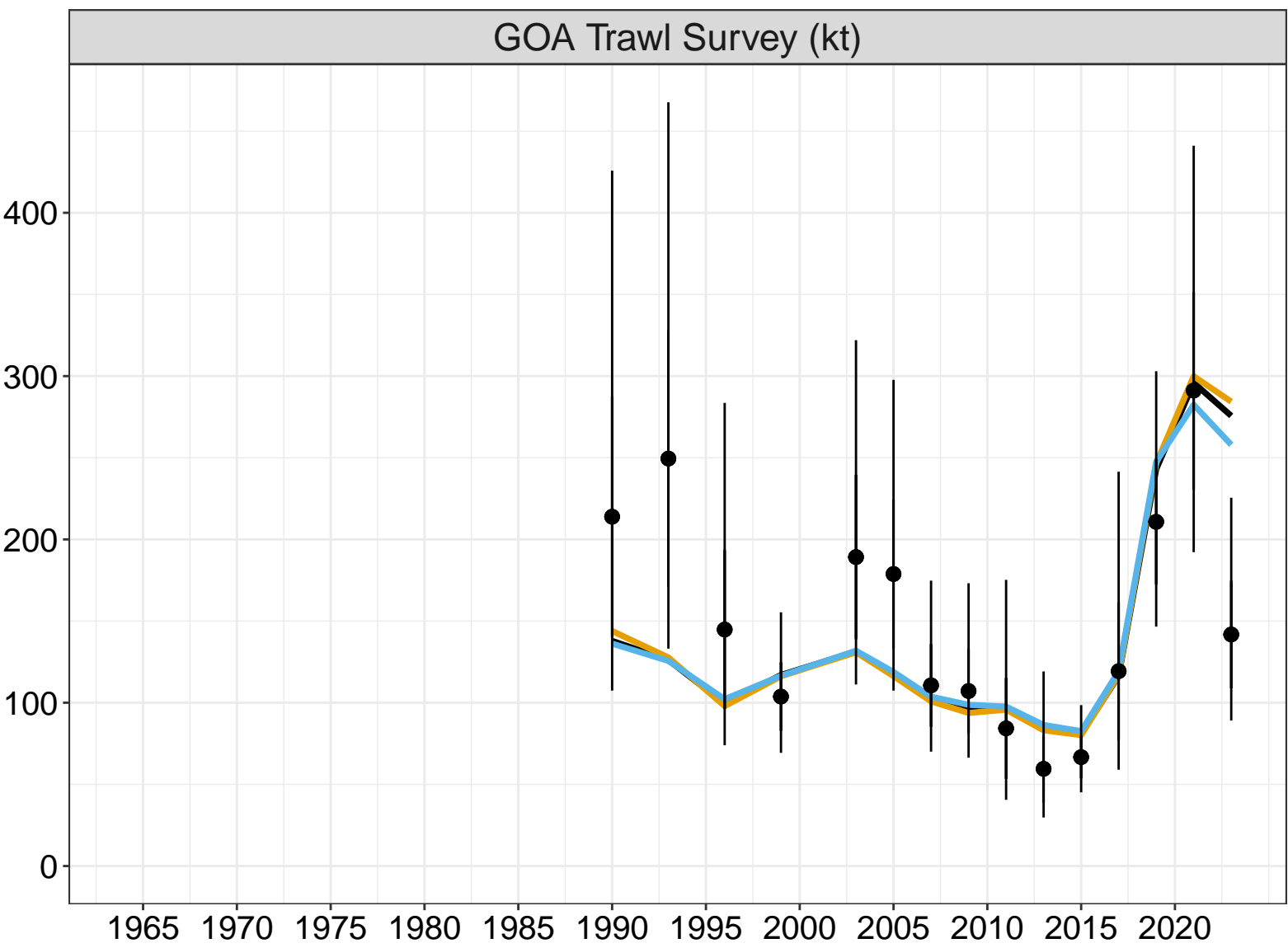
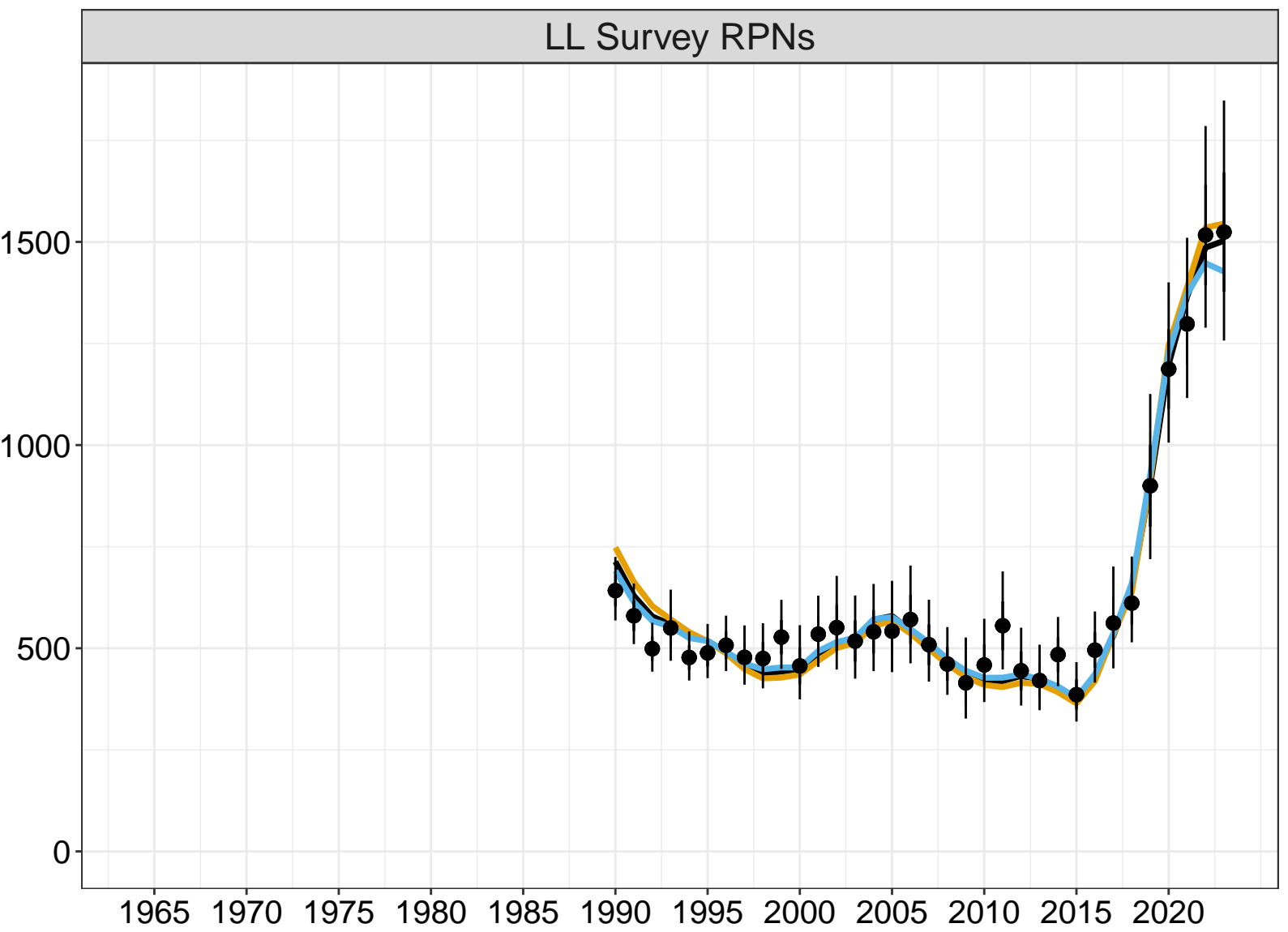
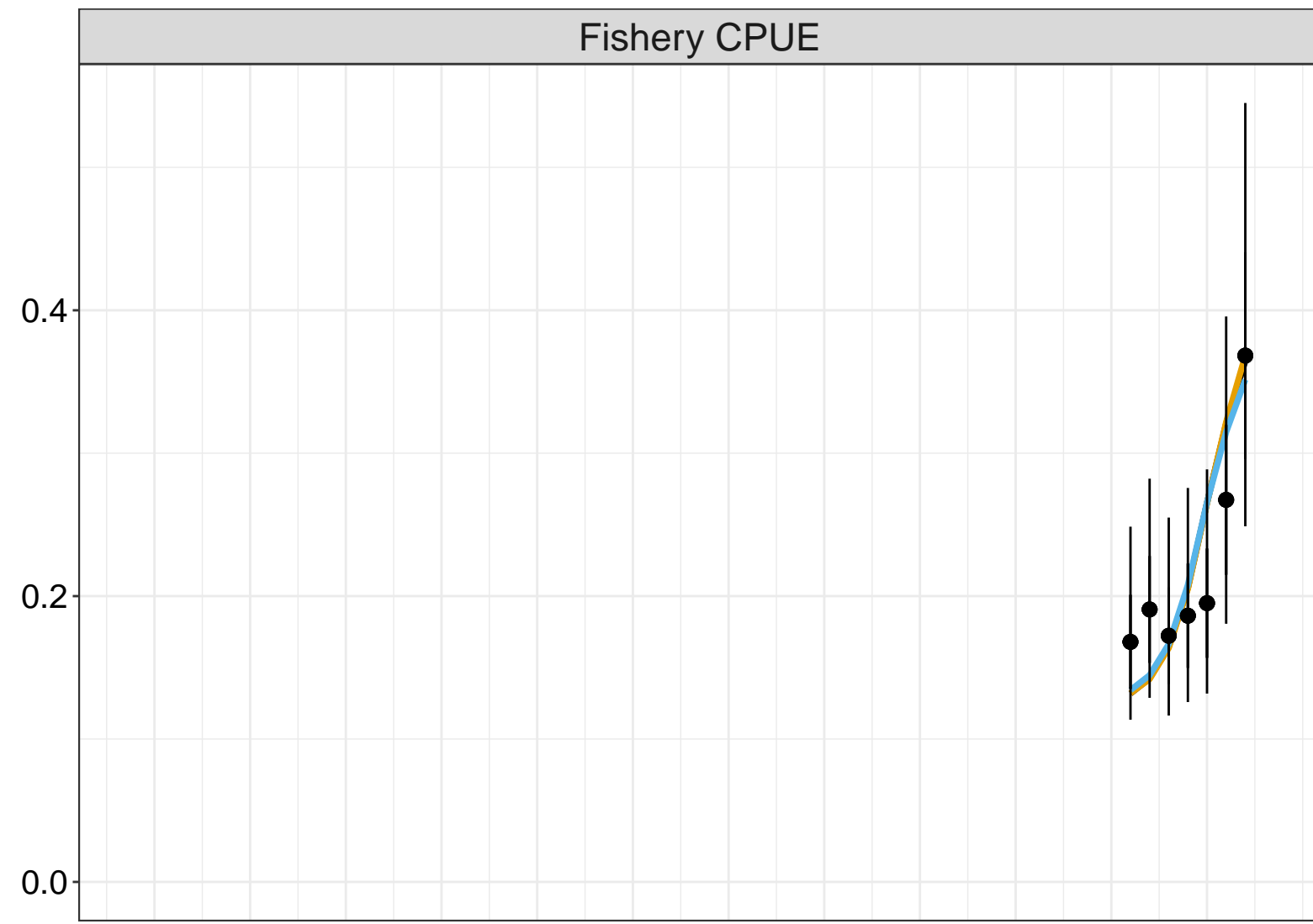
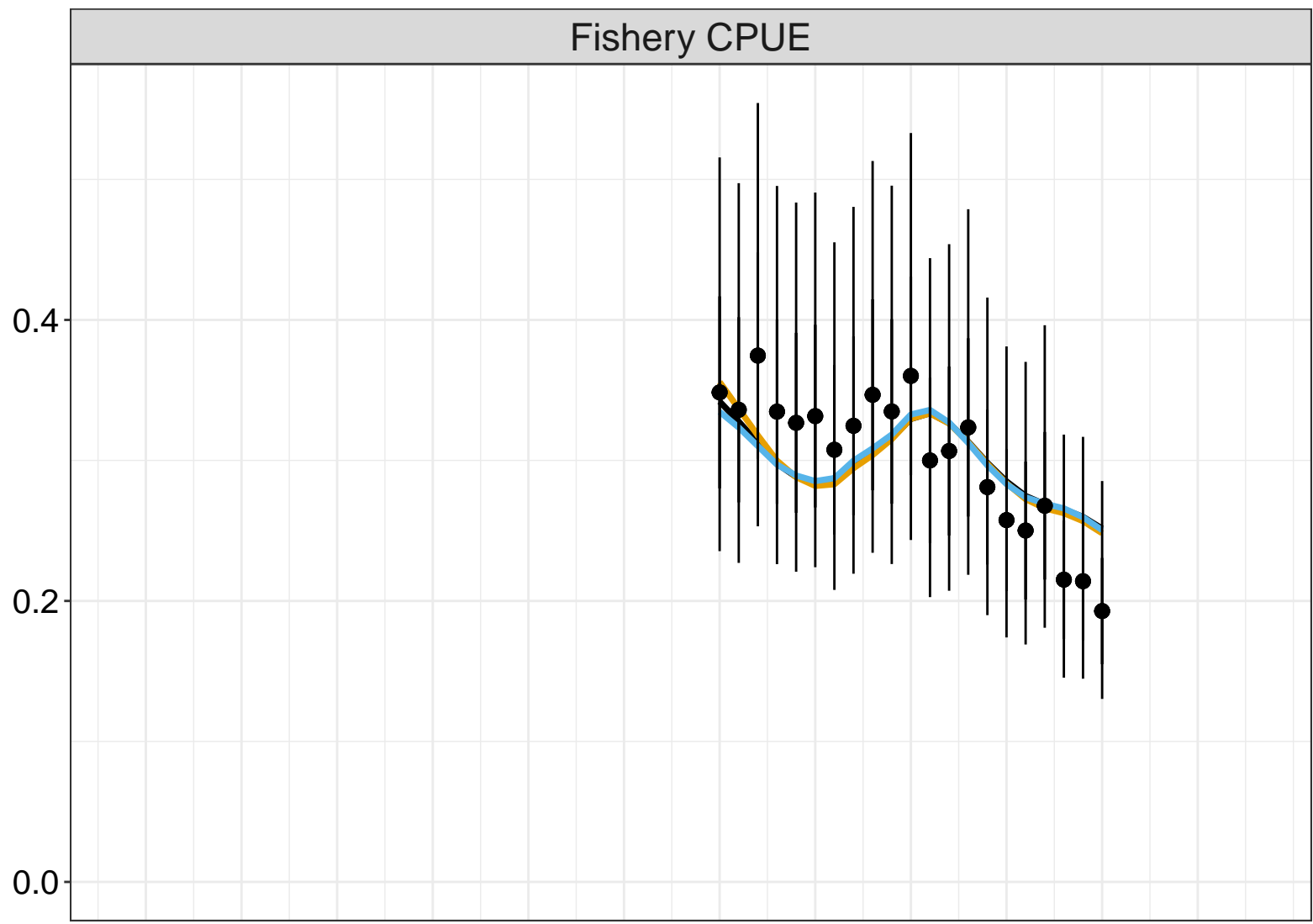
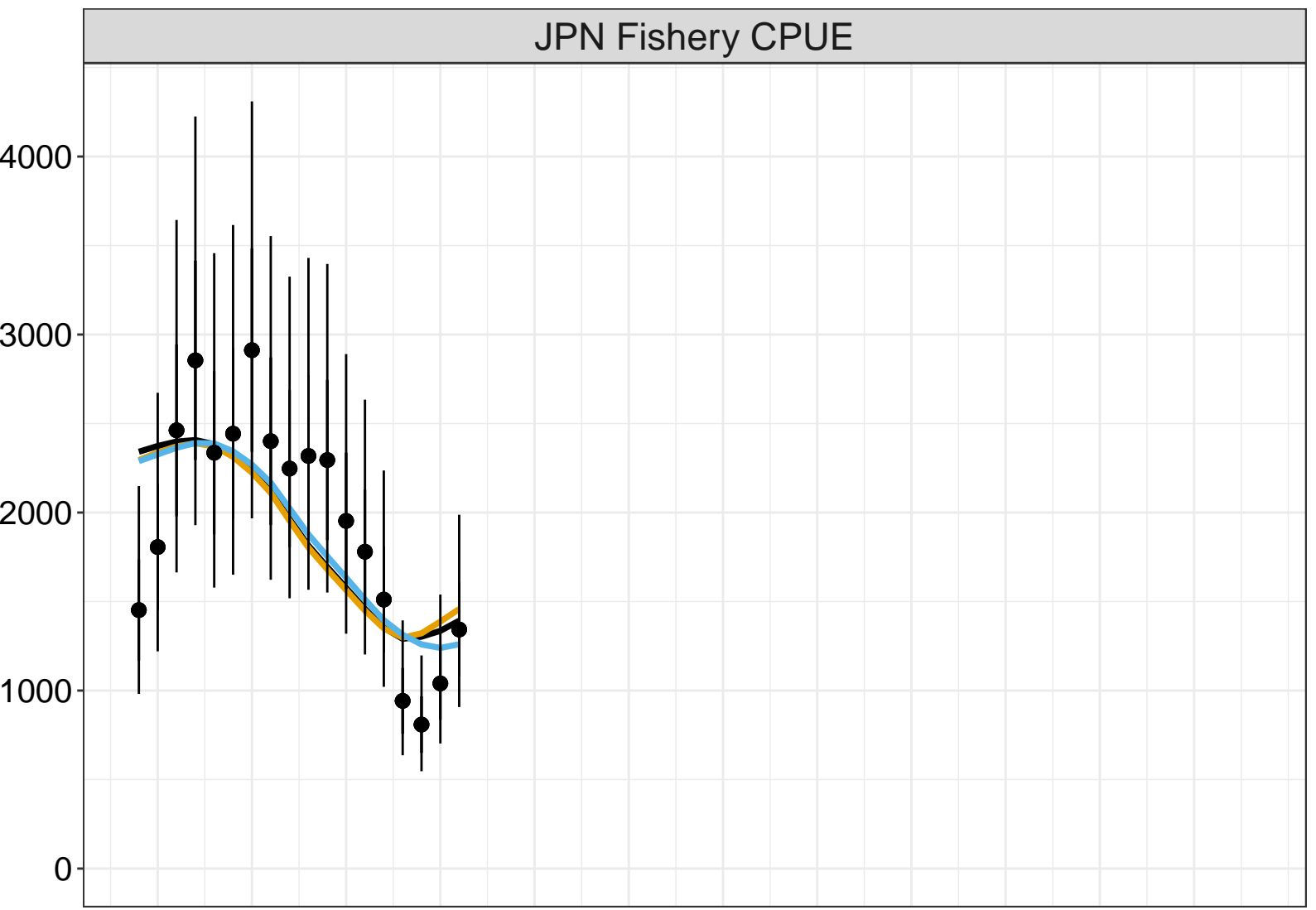
Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age



Index Fits

Model — 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age

Index



Year

Catch

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age

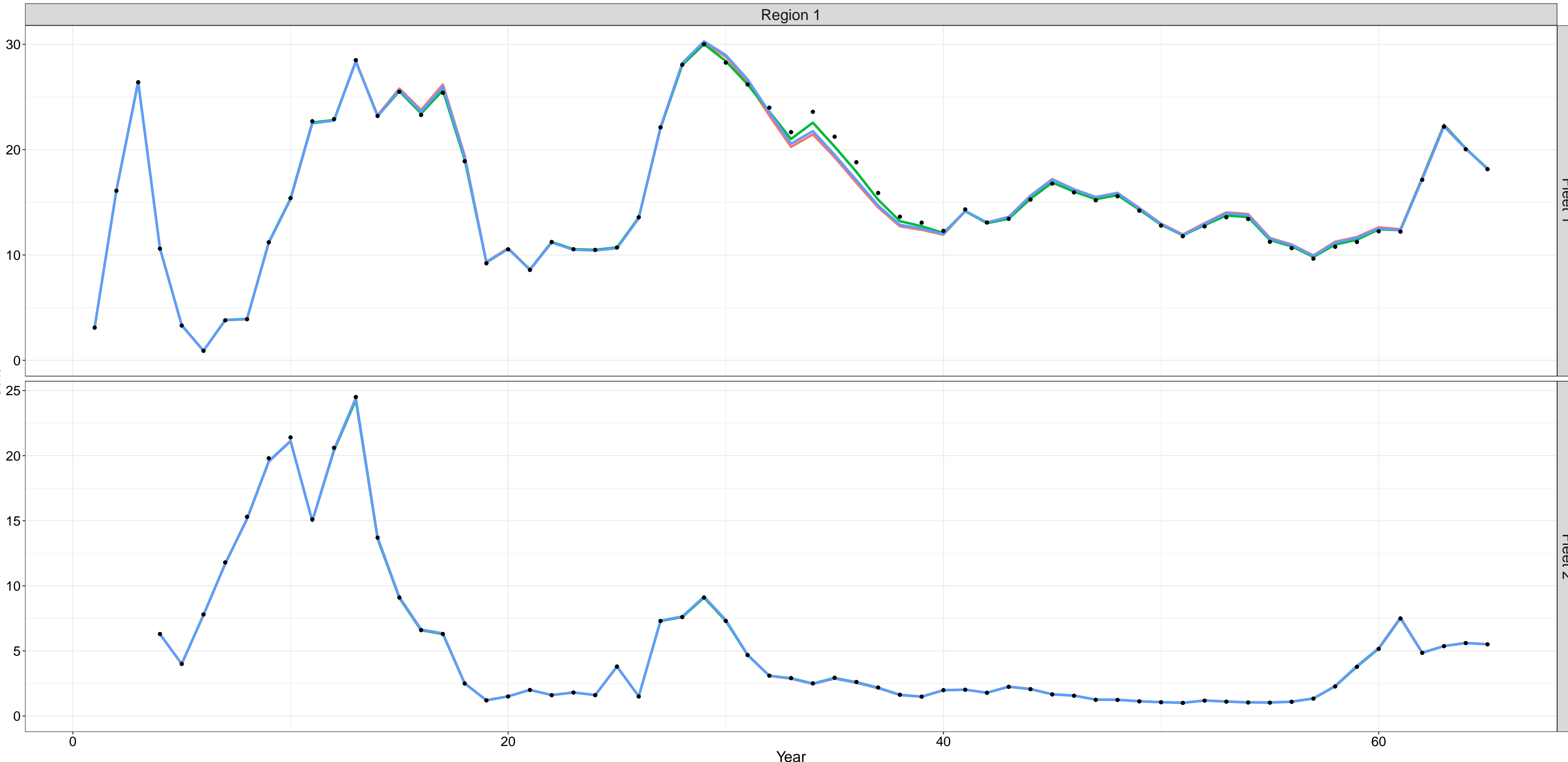
Region 1

Fleet 1

Catch

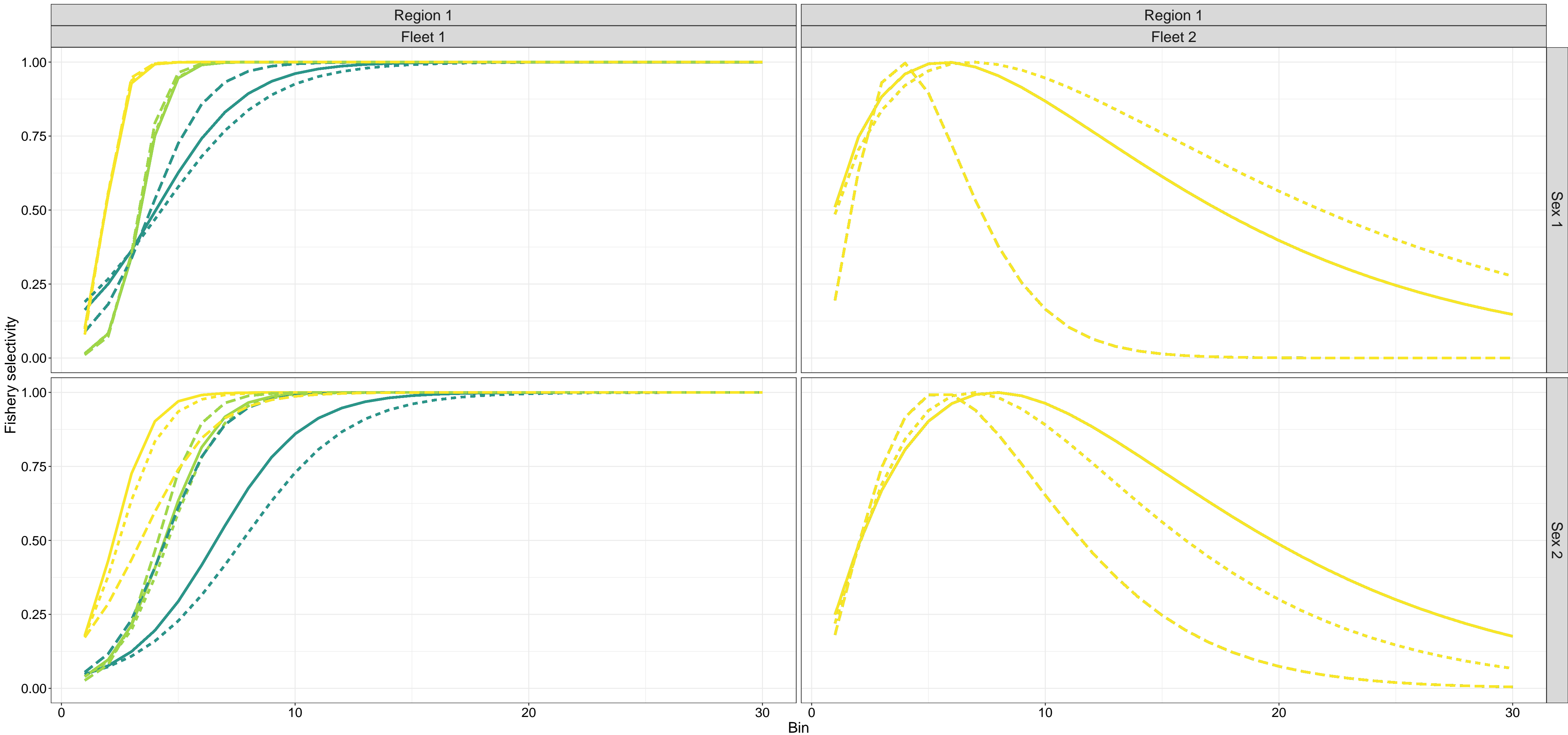
Fleet 2

Year

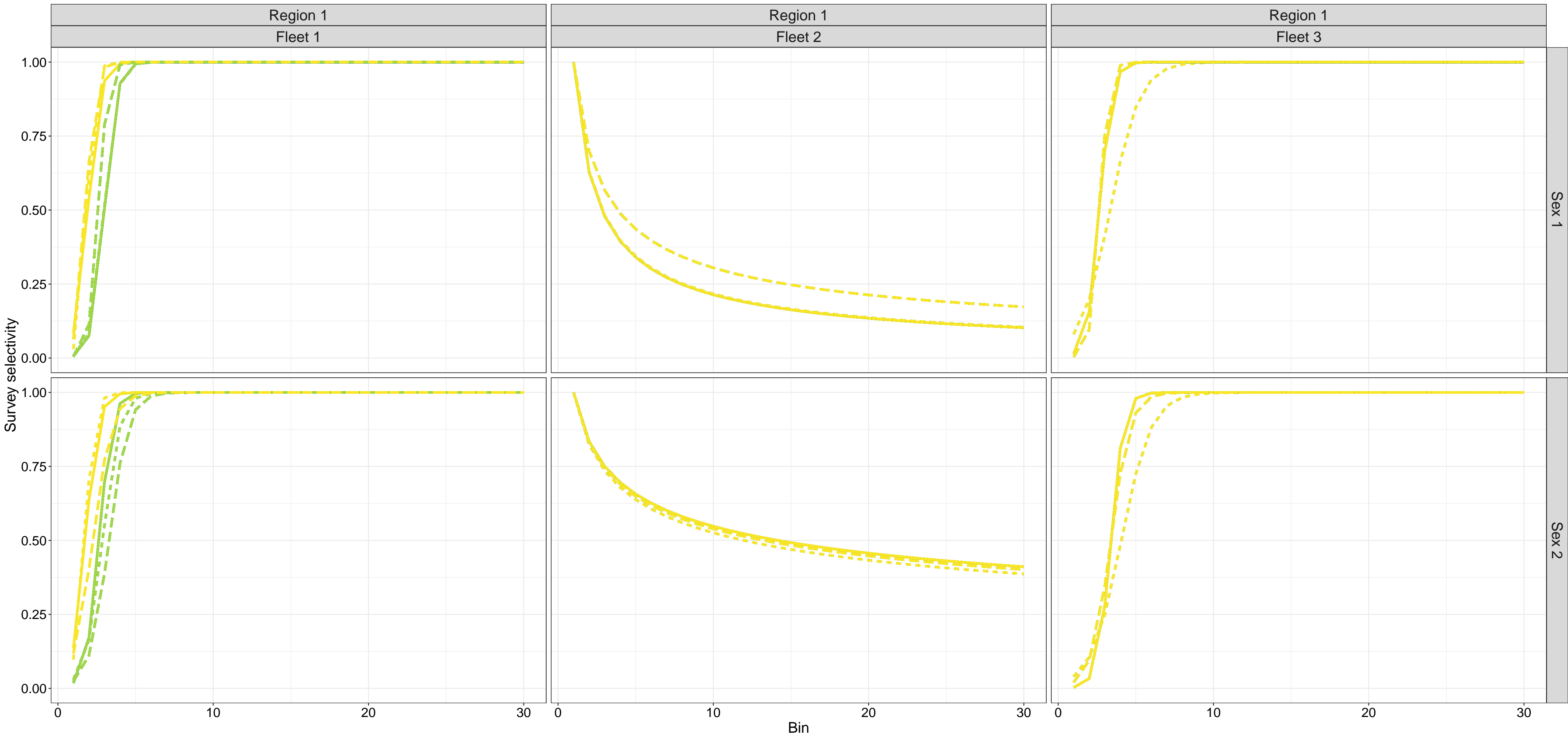
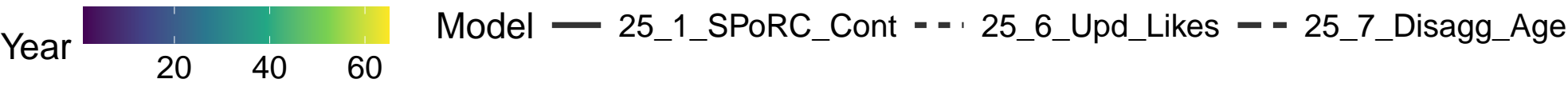


Fishery Selectivity

Year 20 40 60 Model — 25_1_SPoRC_Cont - - - 25_6_Upd_Likes - - - 25_7_Disagg_Age

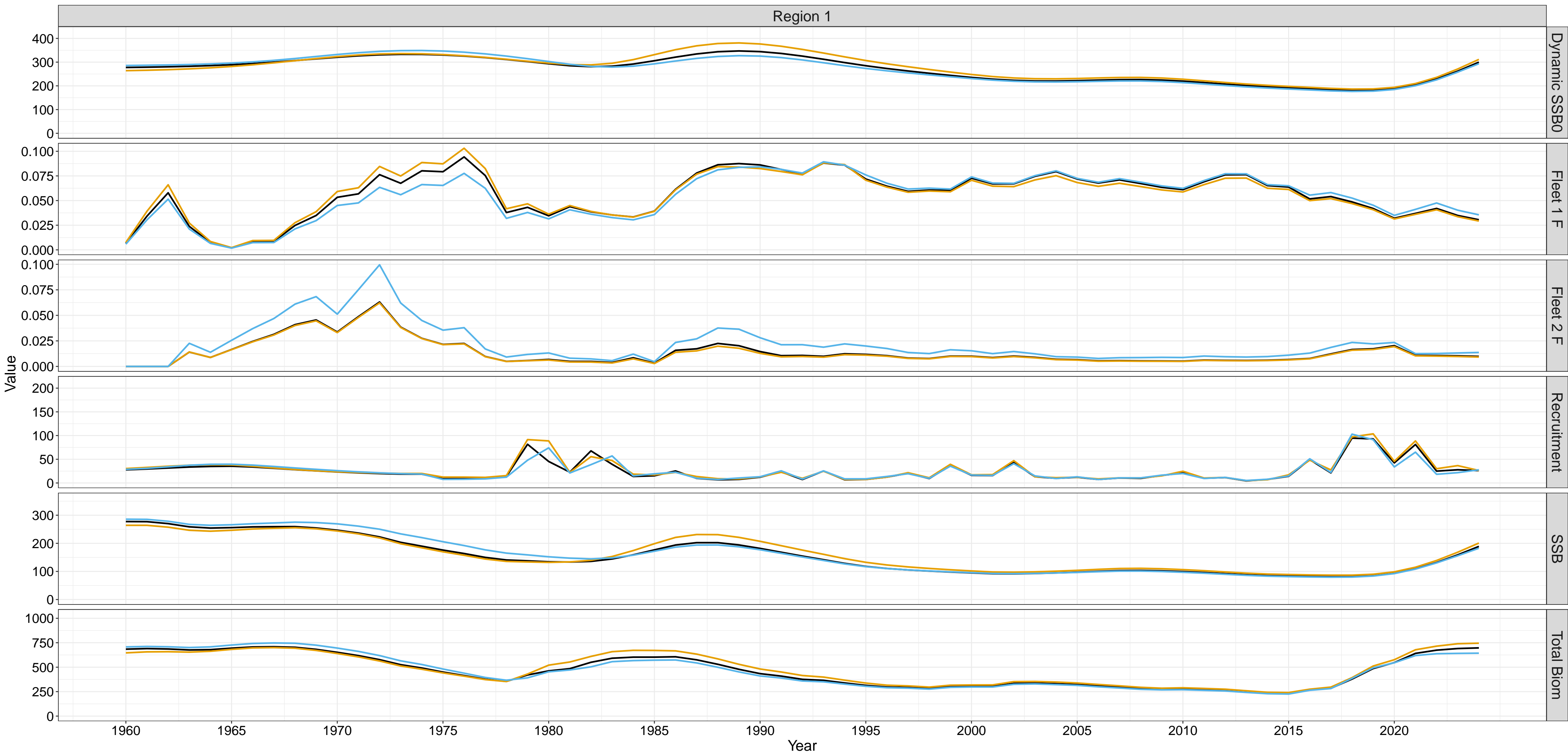


Survey Selectivity



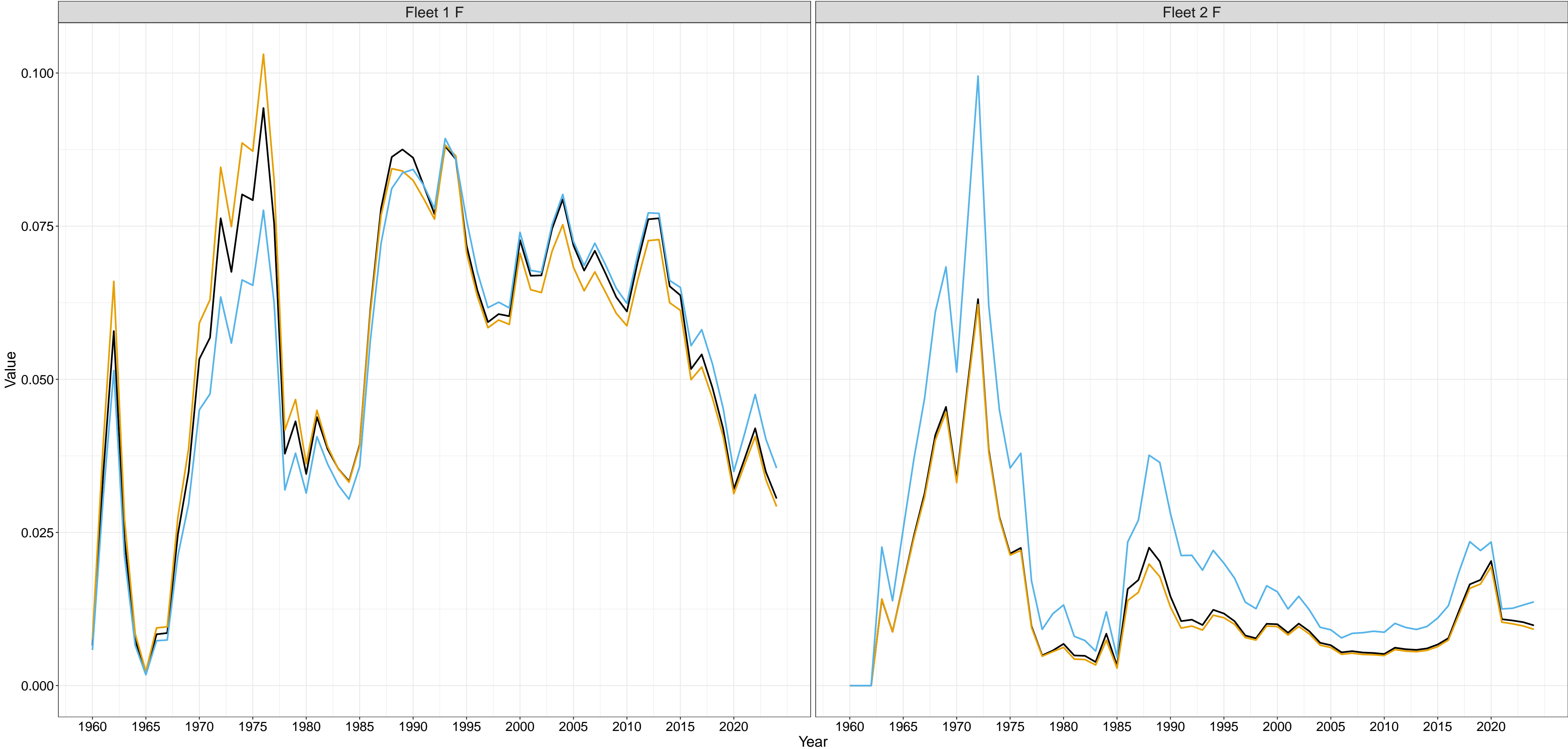
Time Series Plots

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age



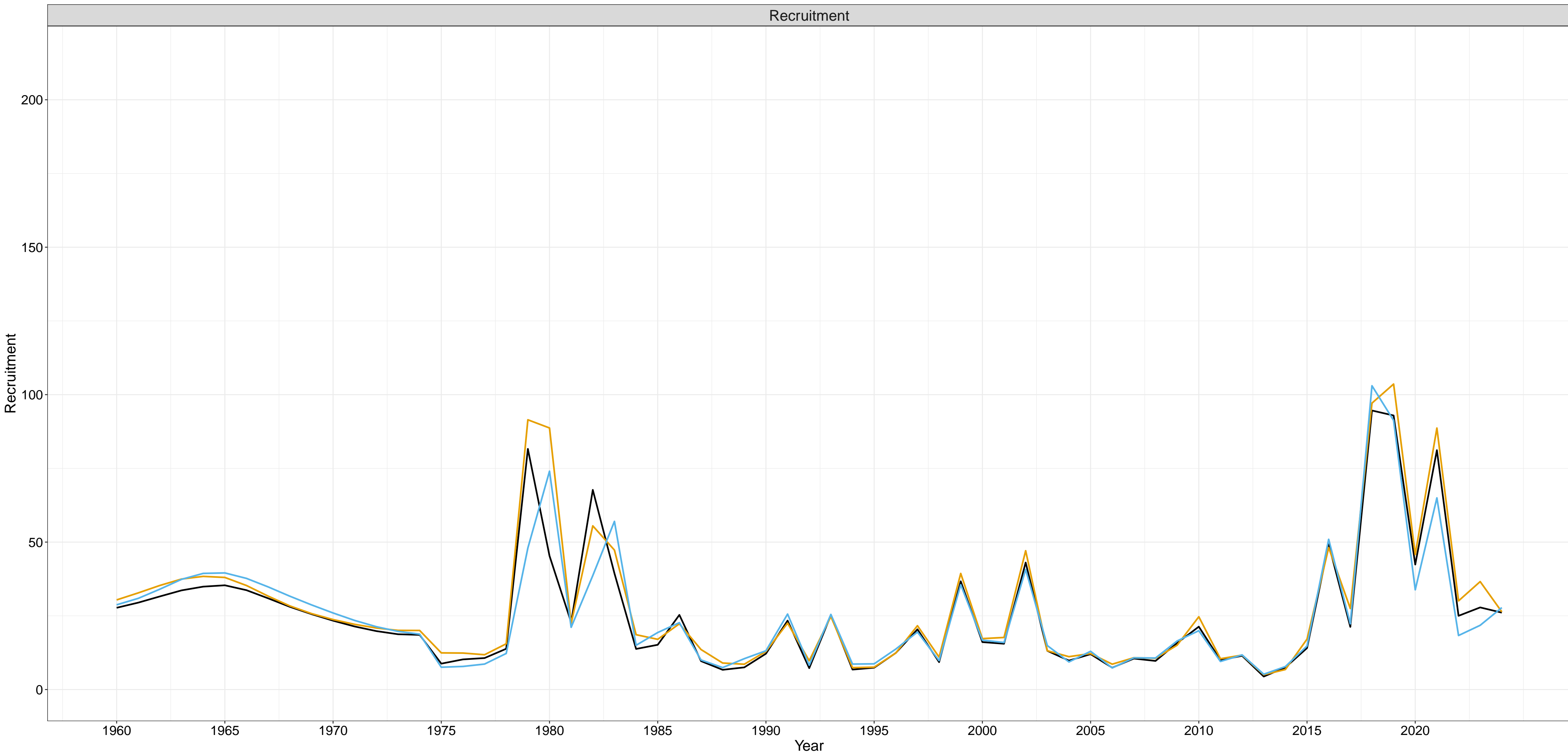
Fishing Mortality

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age



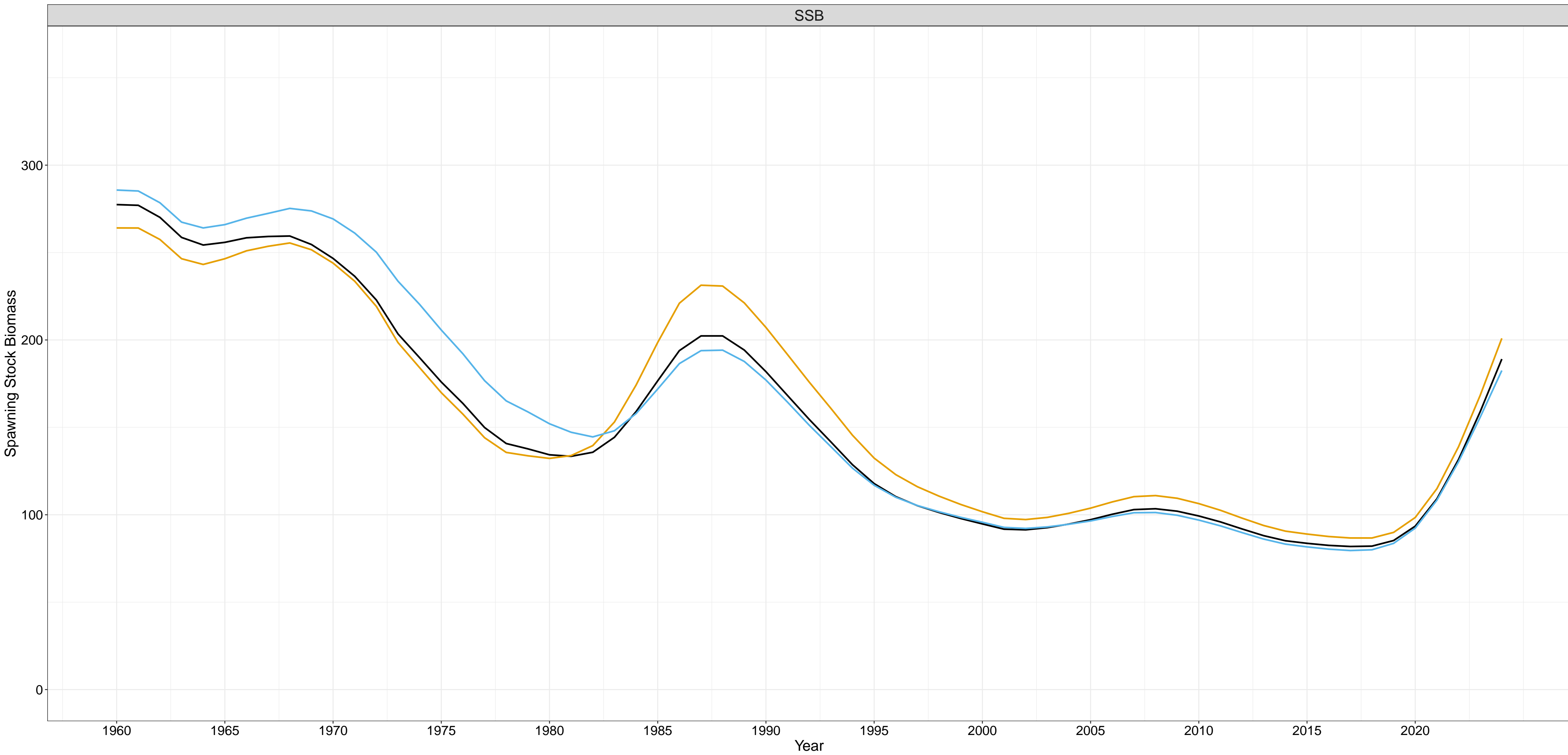
Recruitment

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age



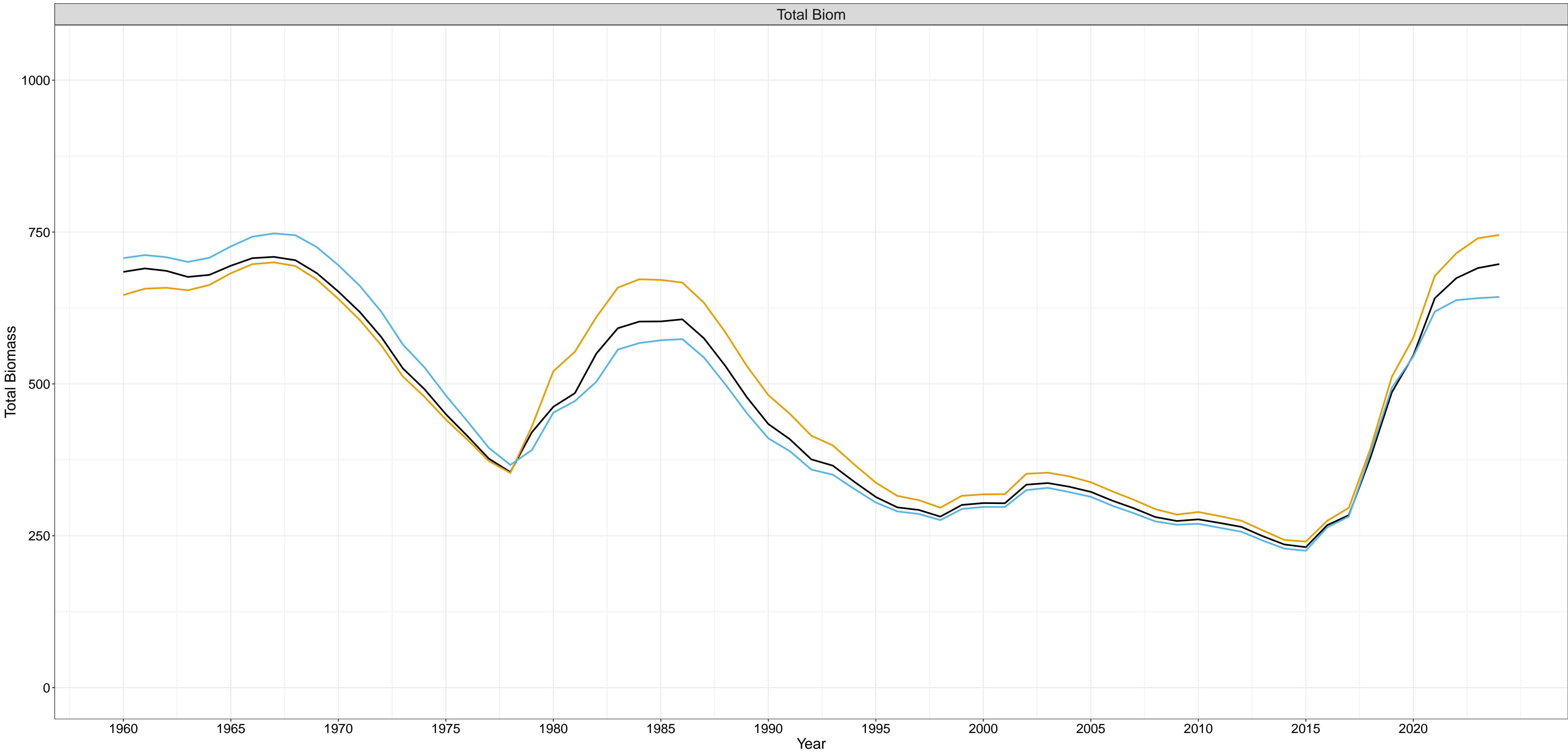
SSB

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age



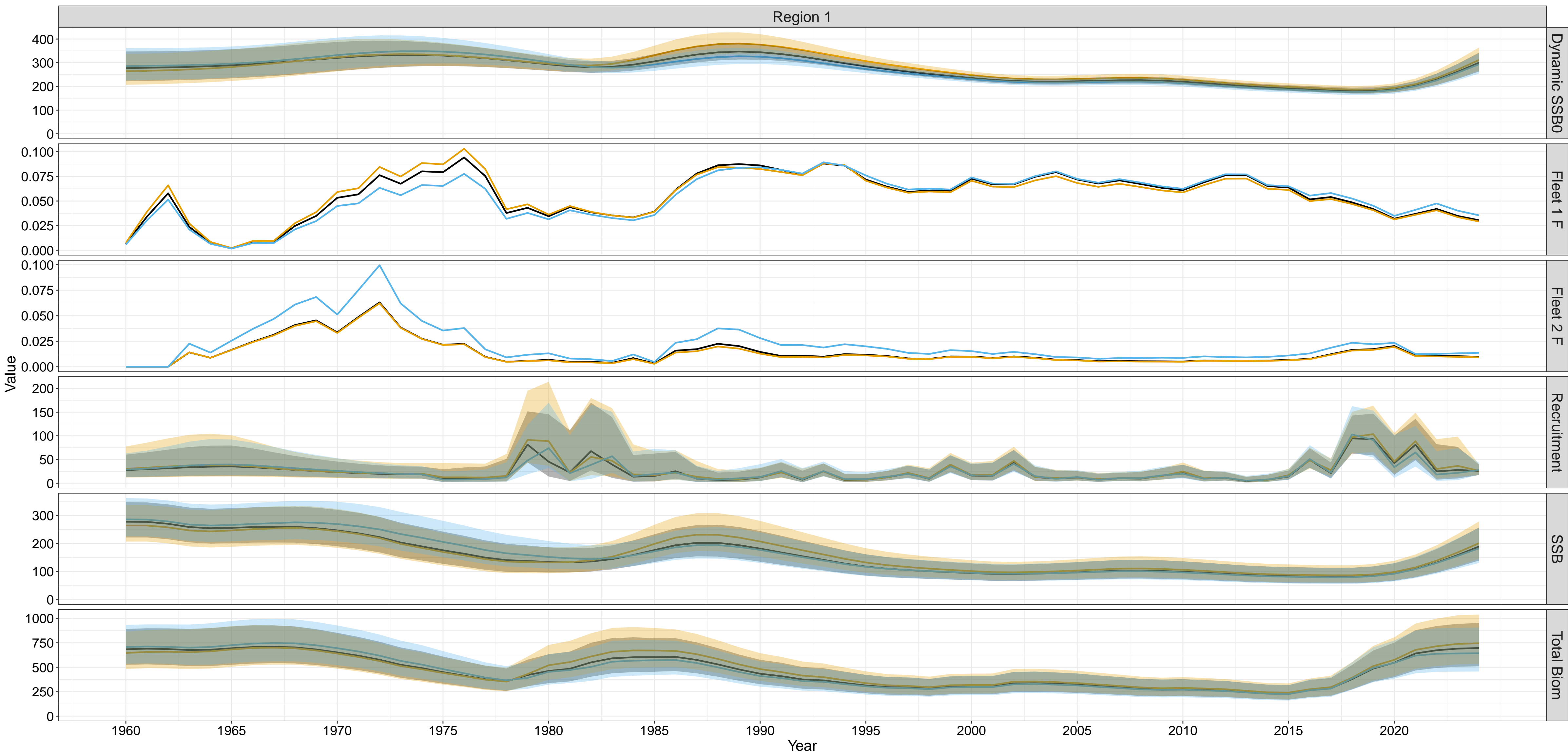
Biomass

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age



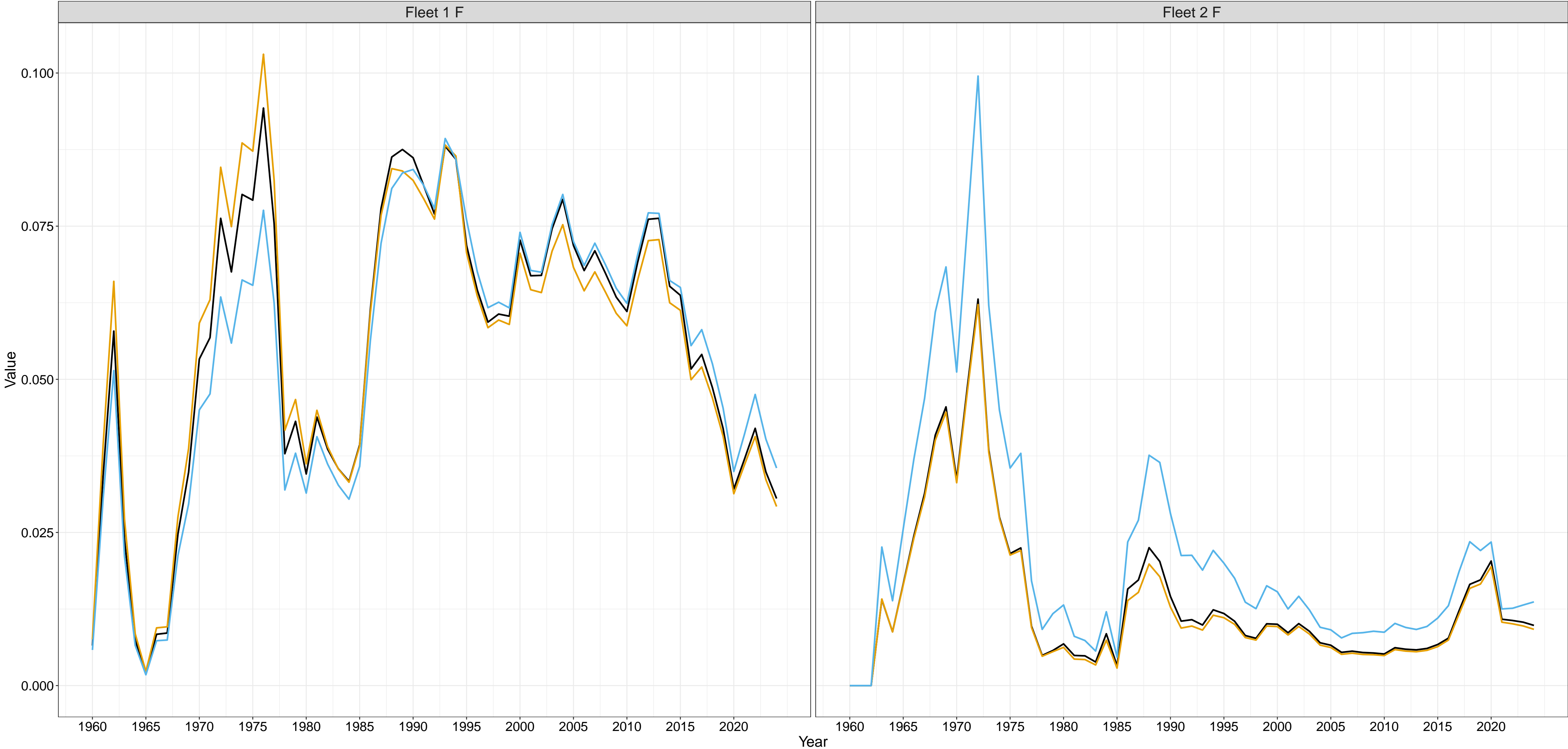
Time Series Plots

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age



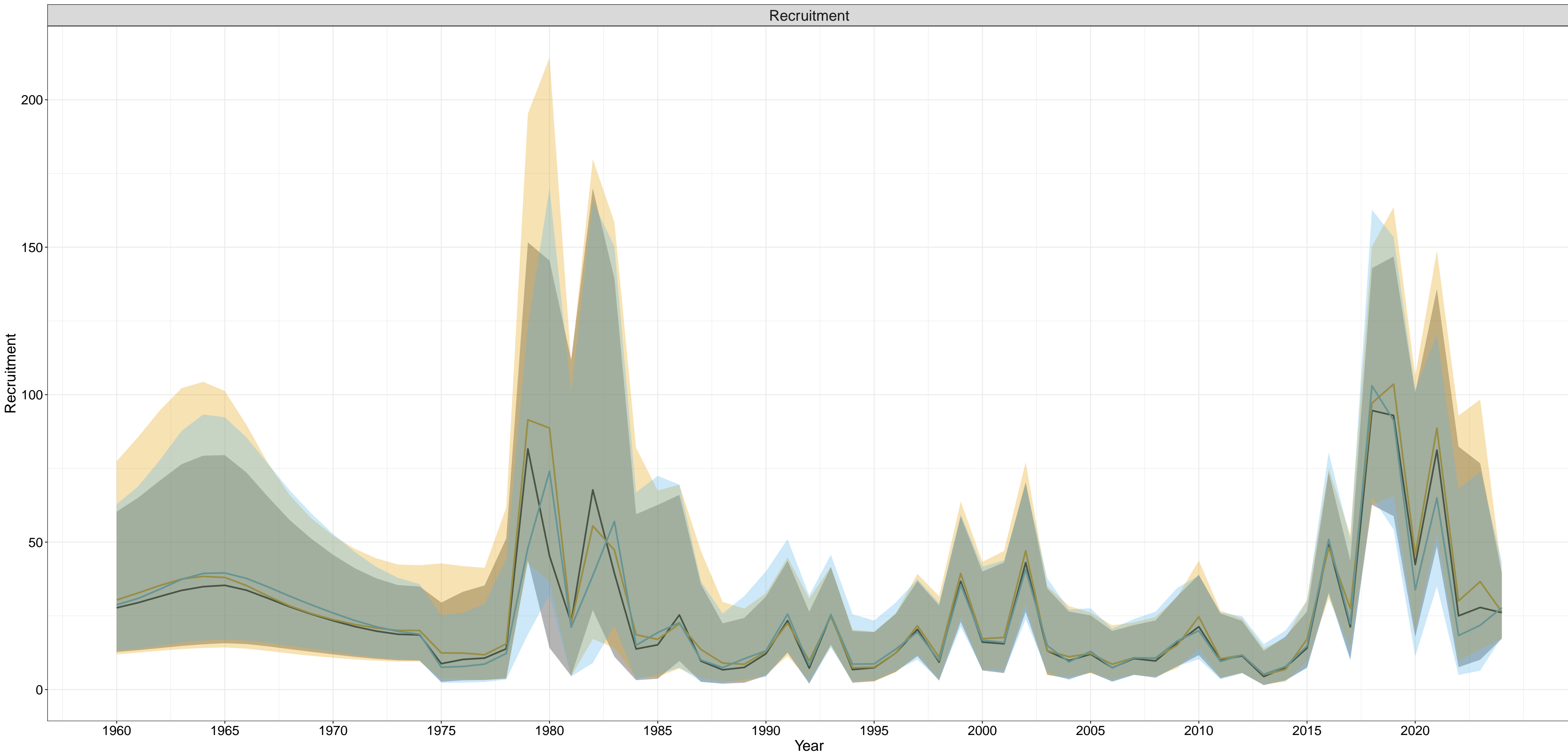
Fishing Mortality

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age



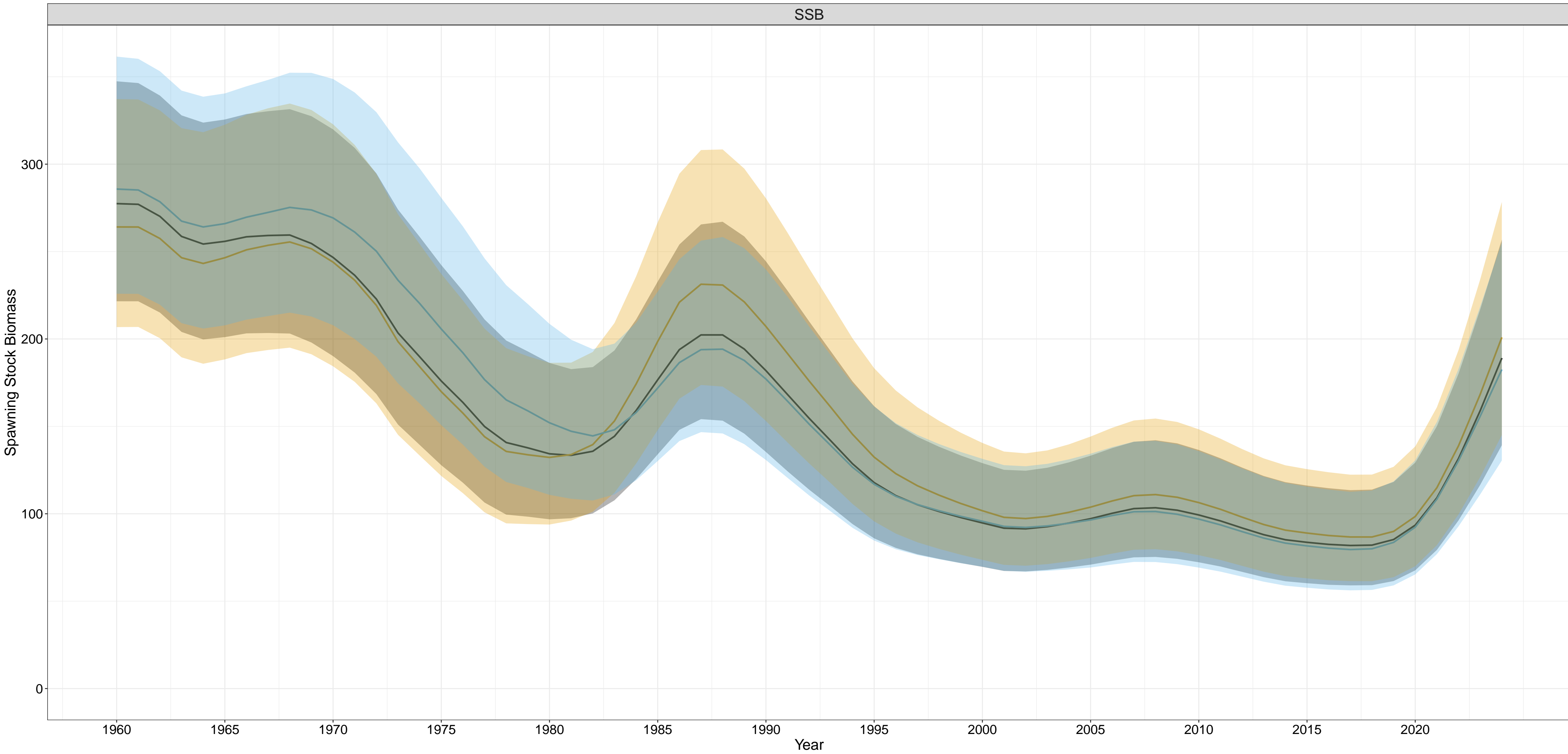
Recruitment

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age



SSB

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age



Biomass

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age

