

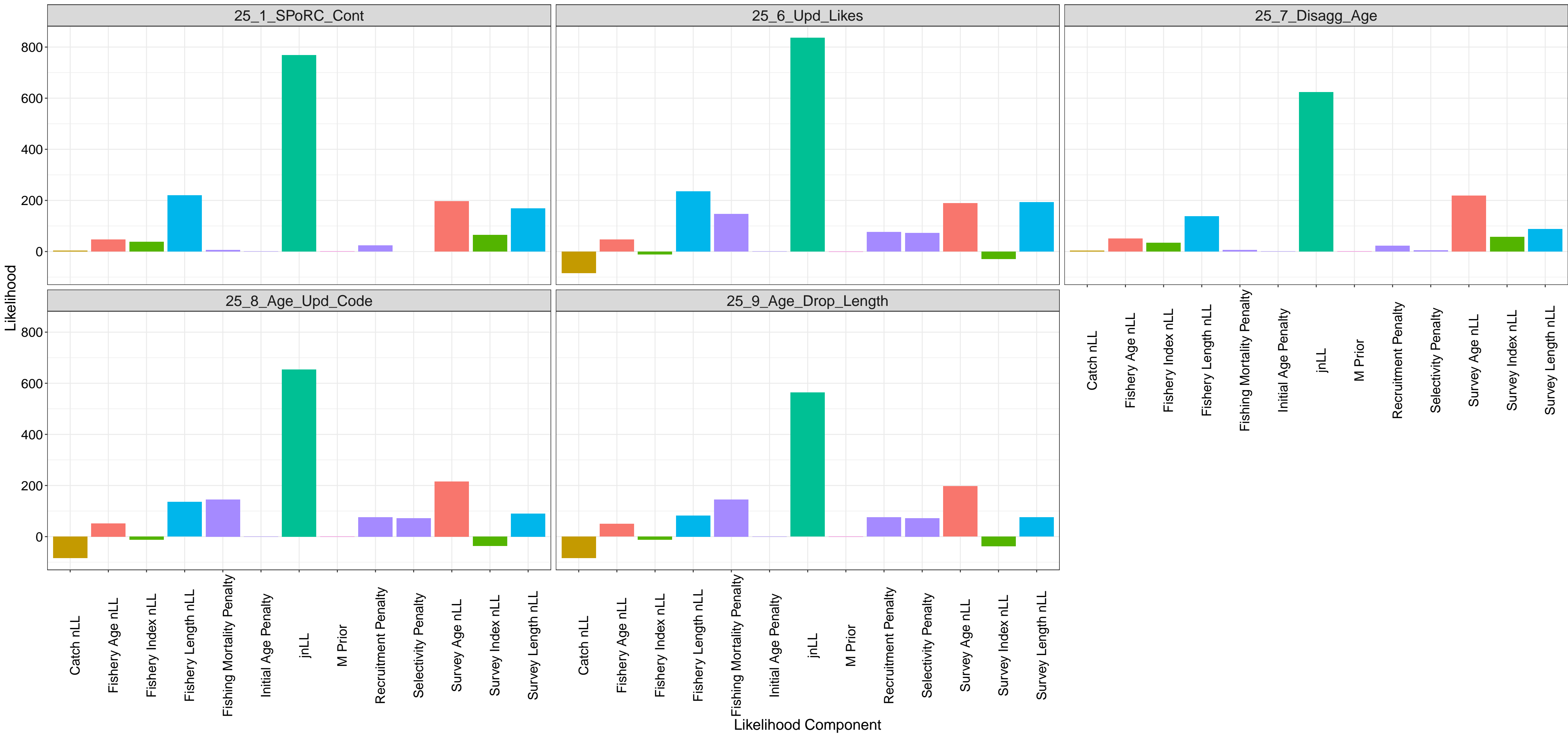
	Model	Region	Terminal_SSB	Terminal_F	Catch_Advice	B_Ref_Pt	F_Ref_Pt	B_over_B_Ref	F_over_F_Ref
1	25_1_SPoRC_Cont	1	189.0804	0.04037044	49.68588	121.0229	0.08593	1.56235	0.46979
2	25_6_Upd_Likes	1	200.9191	0.03842778	52.95886	128.0622	0.08665	1.56892	0.44350
3	25_7_Disagg_Age	1	182.5187	0.04918914	45.61297	113.8113	0.09799	1.60370	0.50200
4	25_8_Age_Upd_Code	1	221.2632	0.03979598	53.31742	126.1573	0.09078	1.75387	0.43839
5	25_9_Age_Drop_Length	1	219.7952	0.04162539	50.00421	125.1969	0.09062	1.75560	0.45932

	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	220.02667	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	235.42033	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	138.07892	5.046348
4	25_8_Age_Upd_Code	653.9155	0.3244425	75.84462	−84.337557	145.365332	−36.25234	−12.70699	0.1736375	215.7966	51.61723	90.02423	135.82932	72.236892
5	25_9_Age_Drop_Length	563.6117	−0.4228482	75.25805	−84.405651	145.615963	−37.66538	−11.53491	0.1953826	197.1234	49.75360	75.57116	82.03714	72.085731

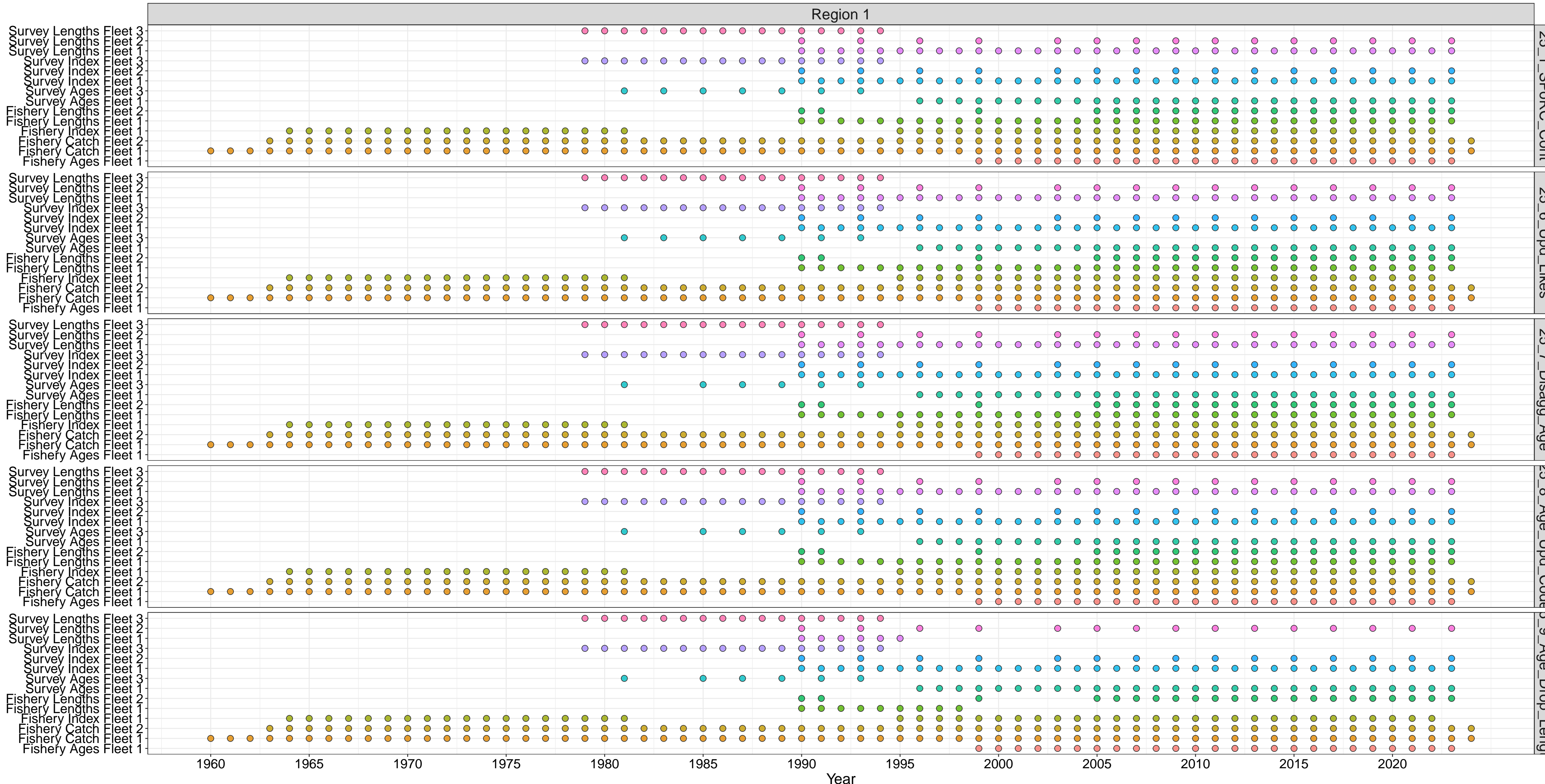
Negative Log-Likelihood

Type

Age	Index	Length	Prior
Catch	jnLL	Penalty	

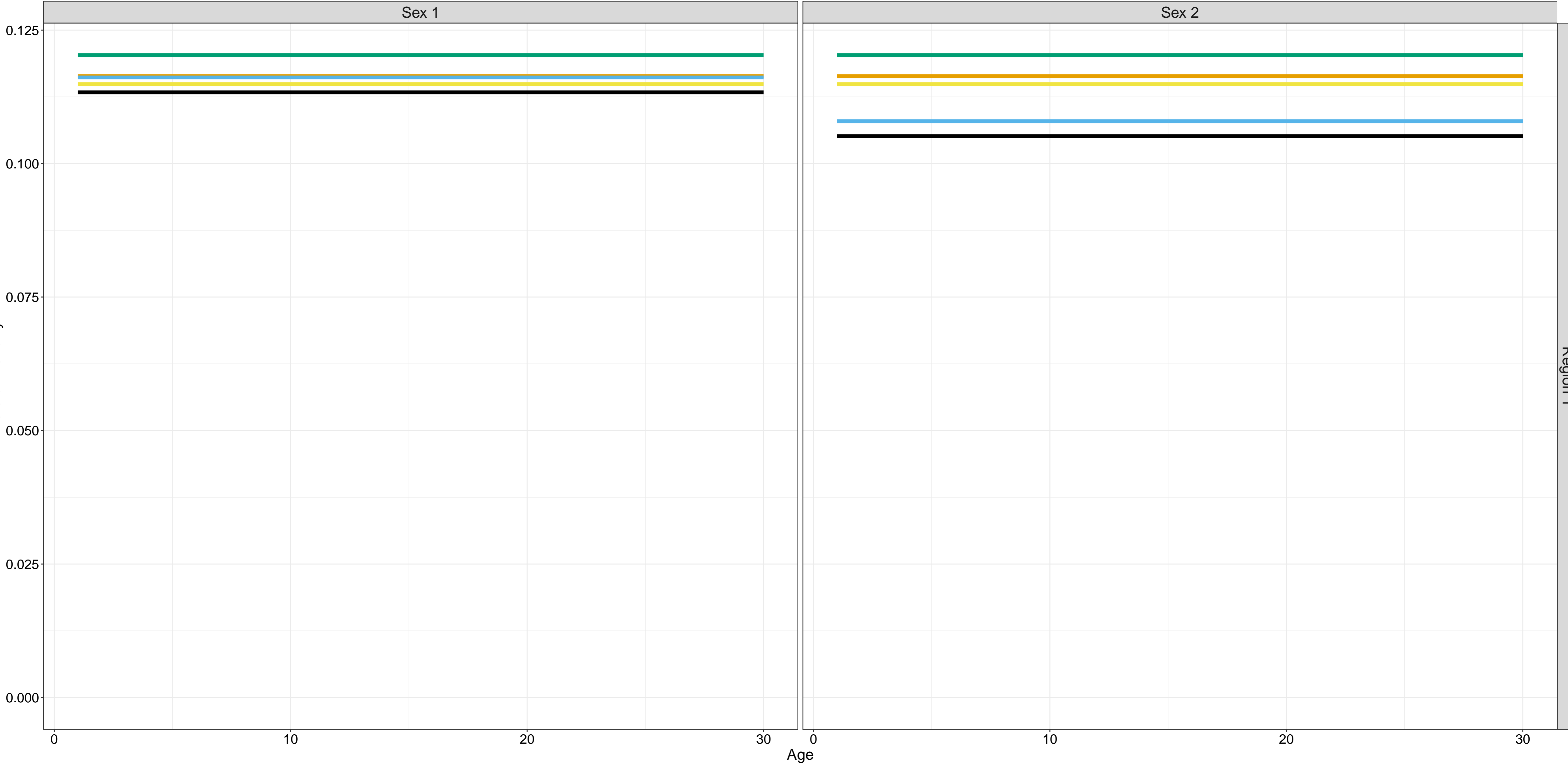


Data



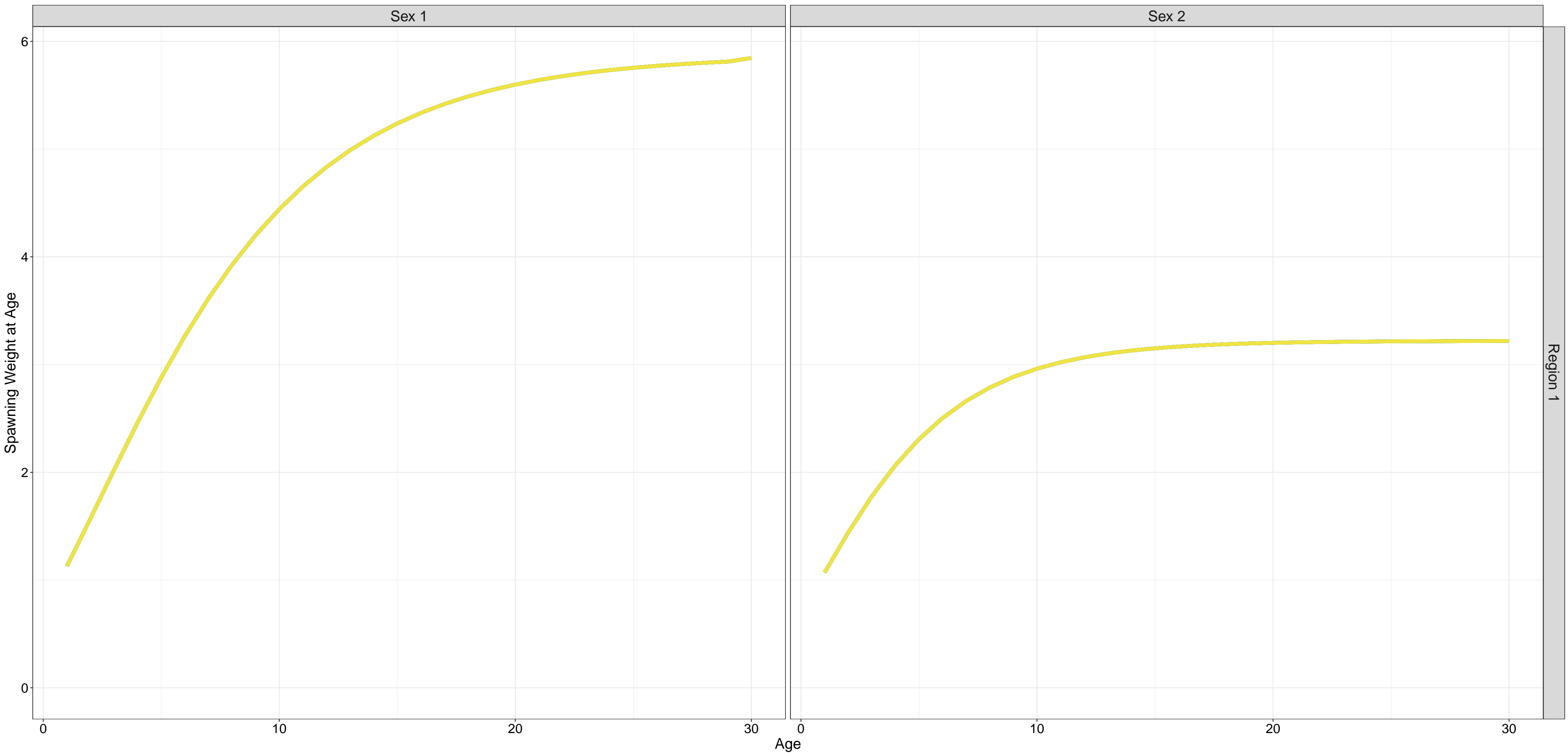
Natural Mortality

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length



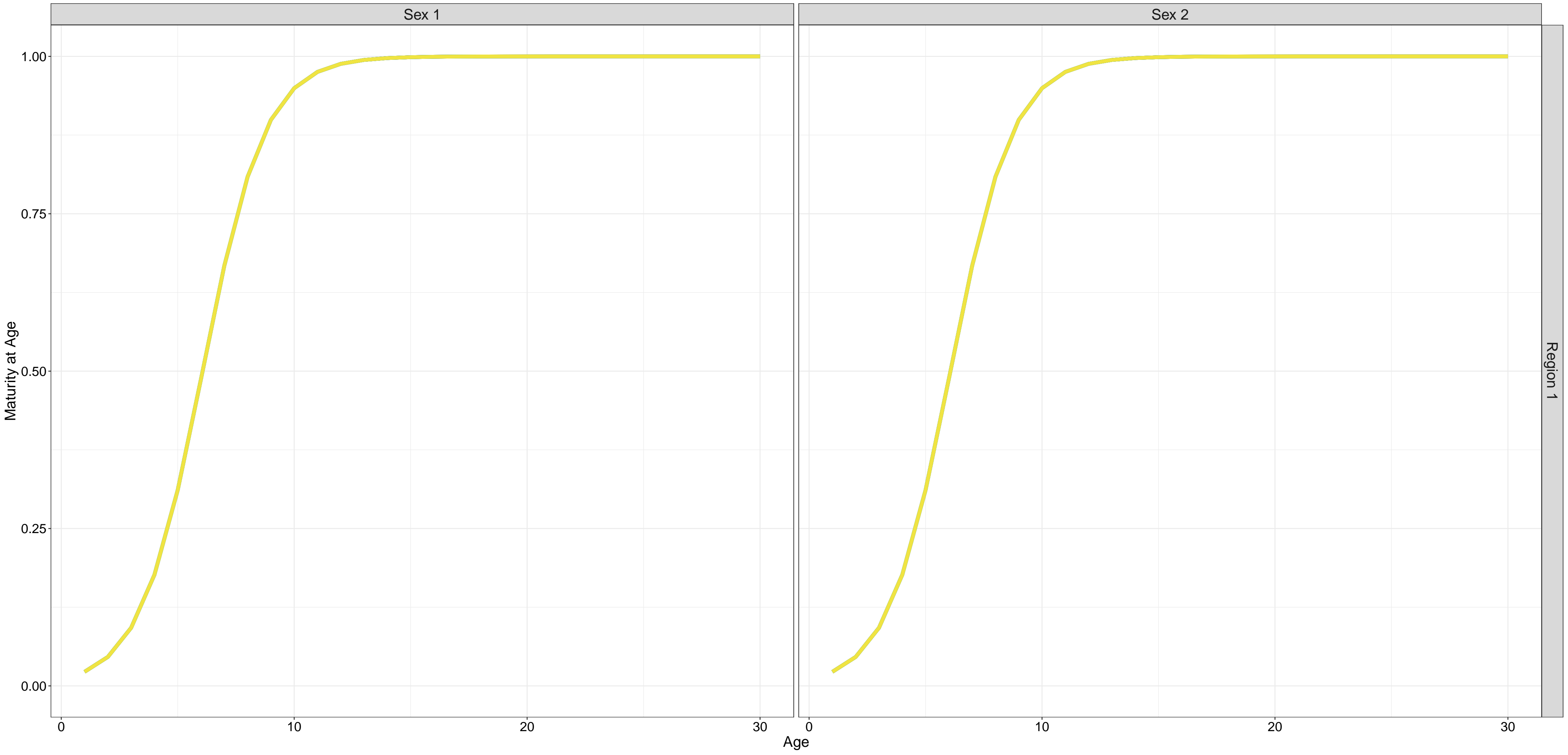
Weight-at-Age

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length



Maturity

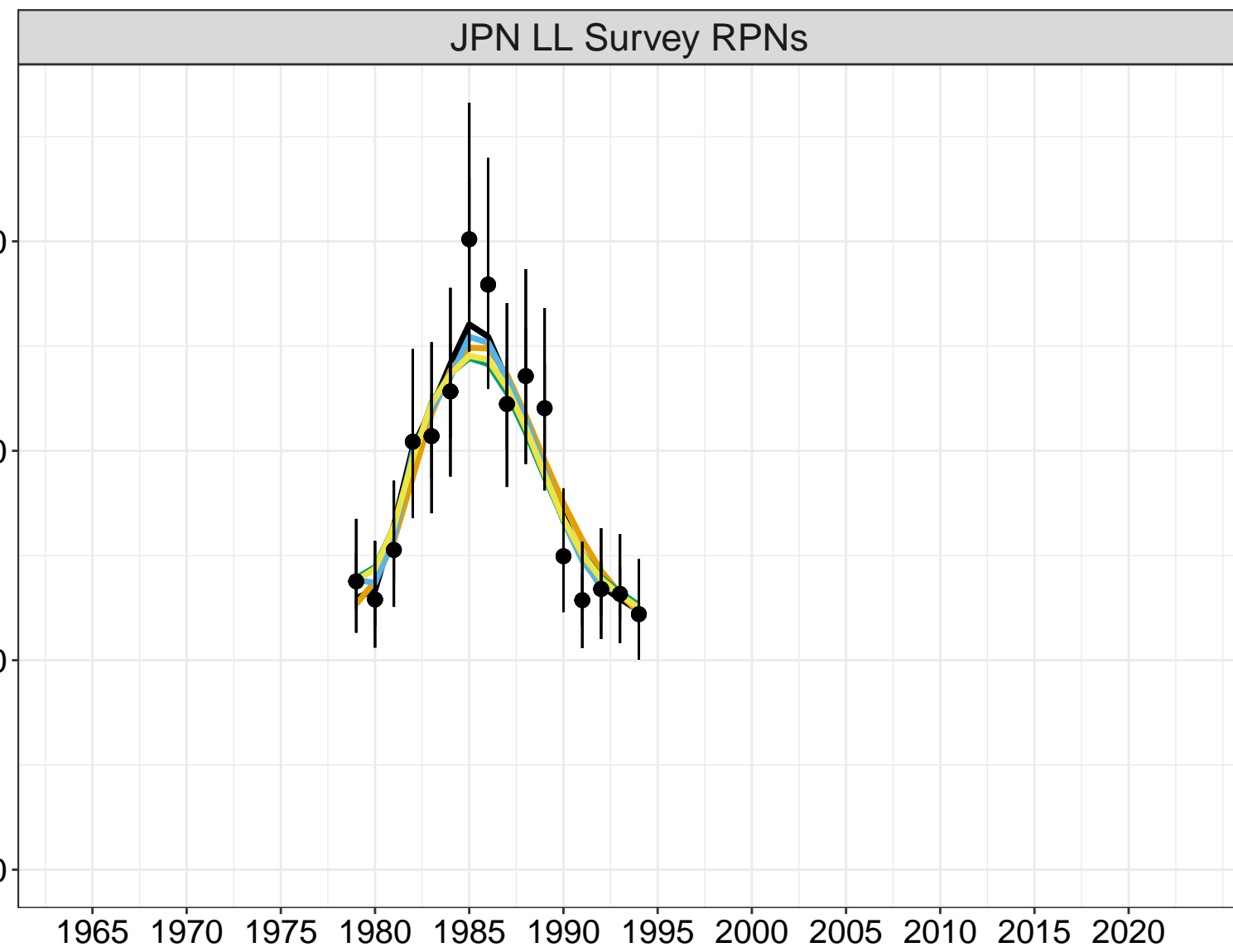
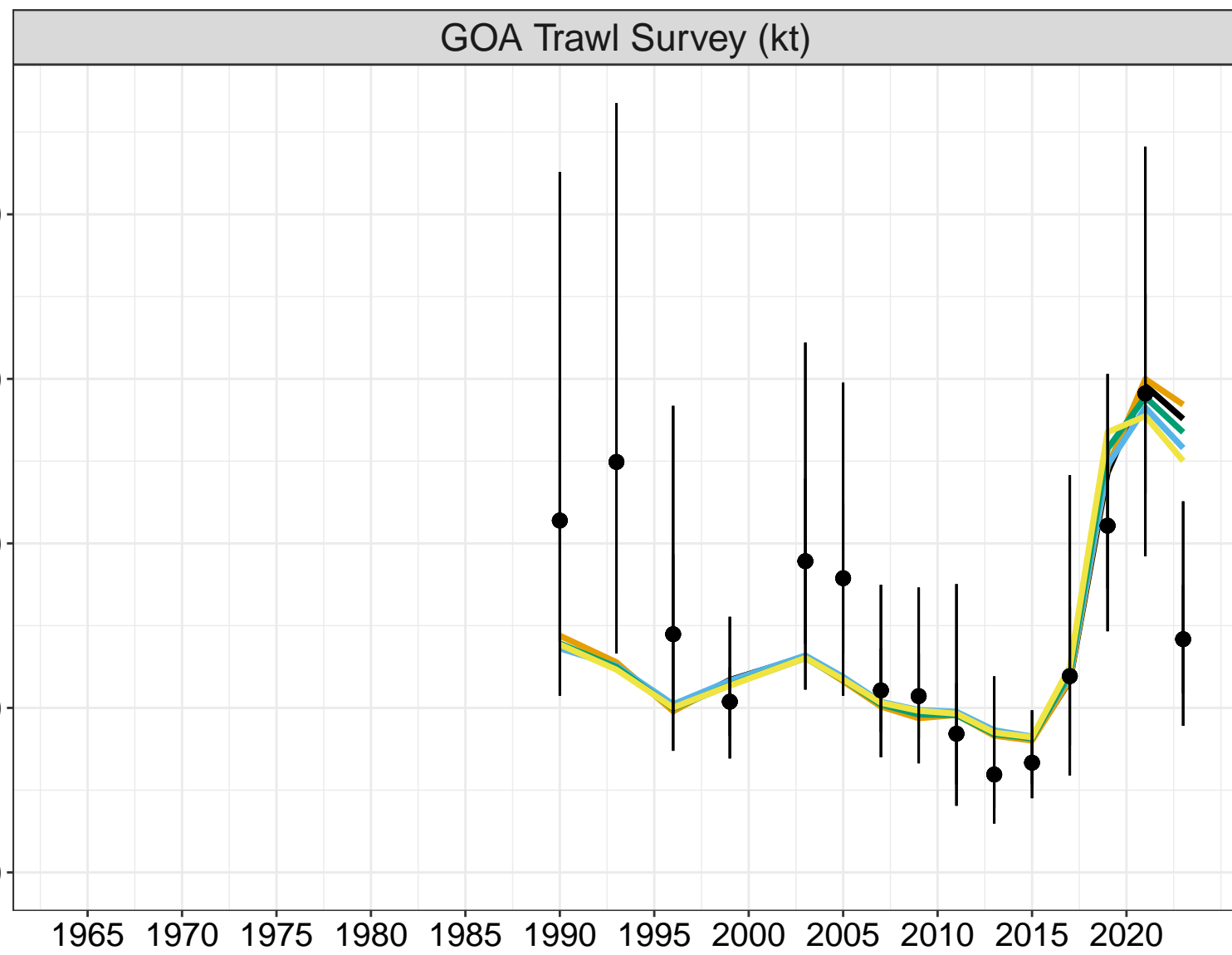
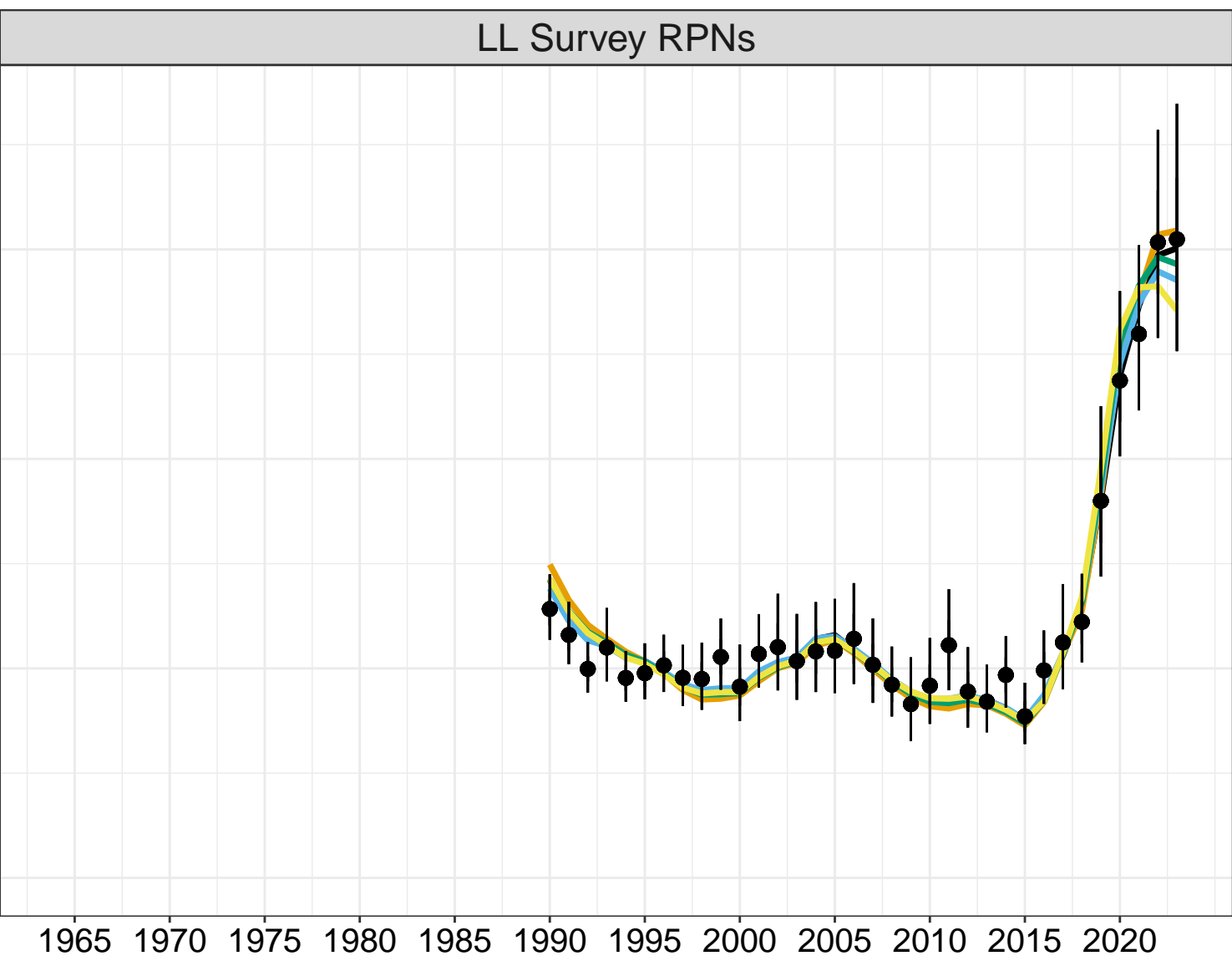
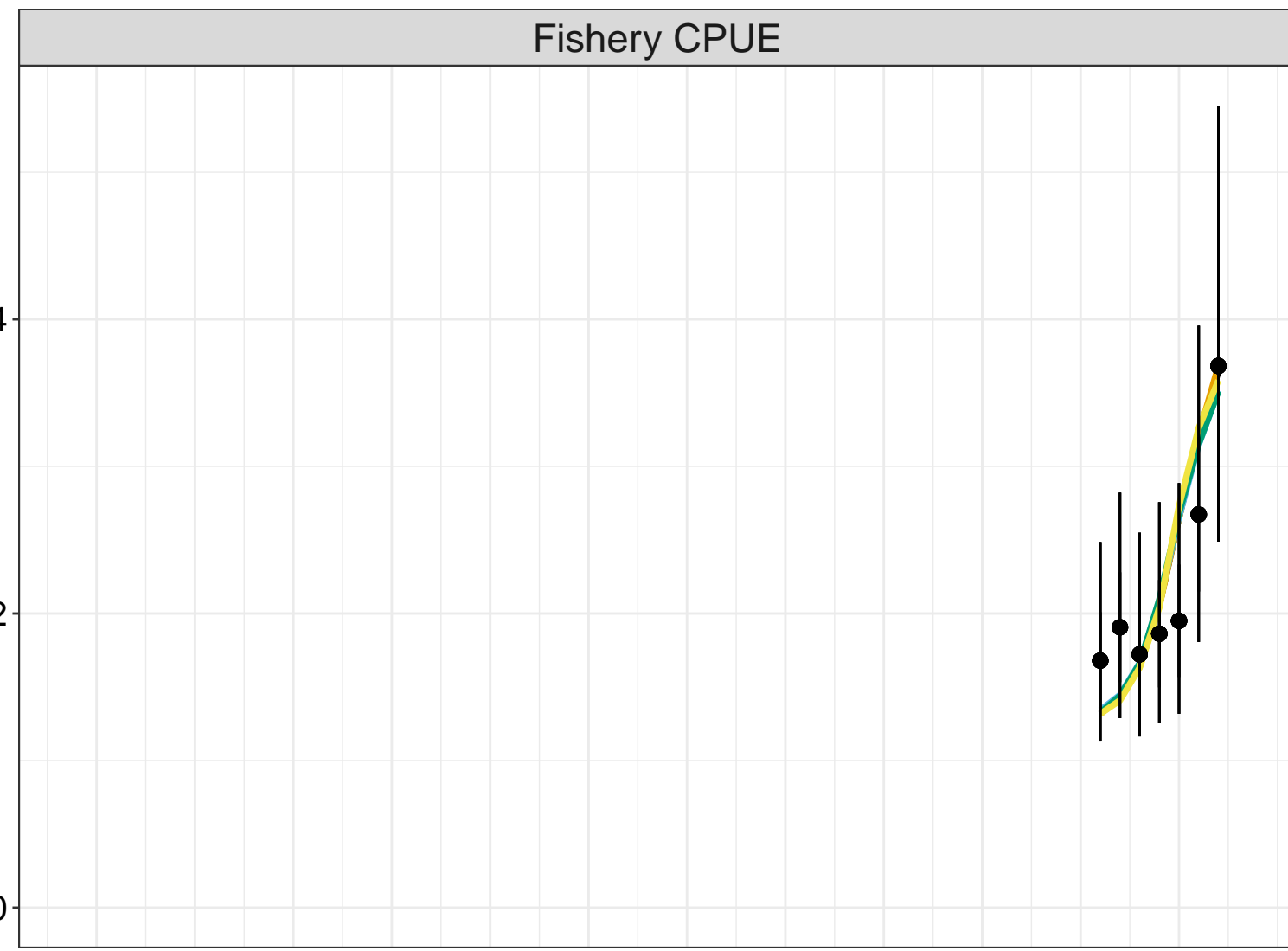
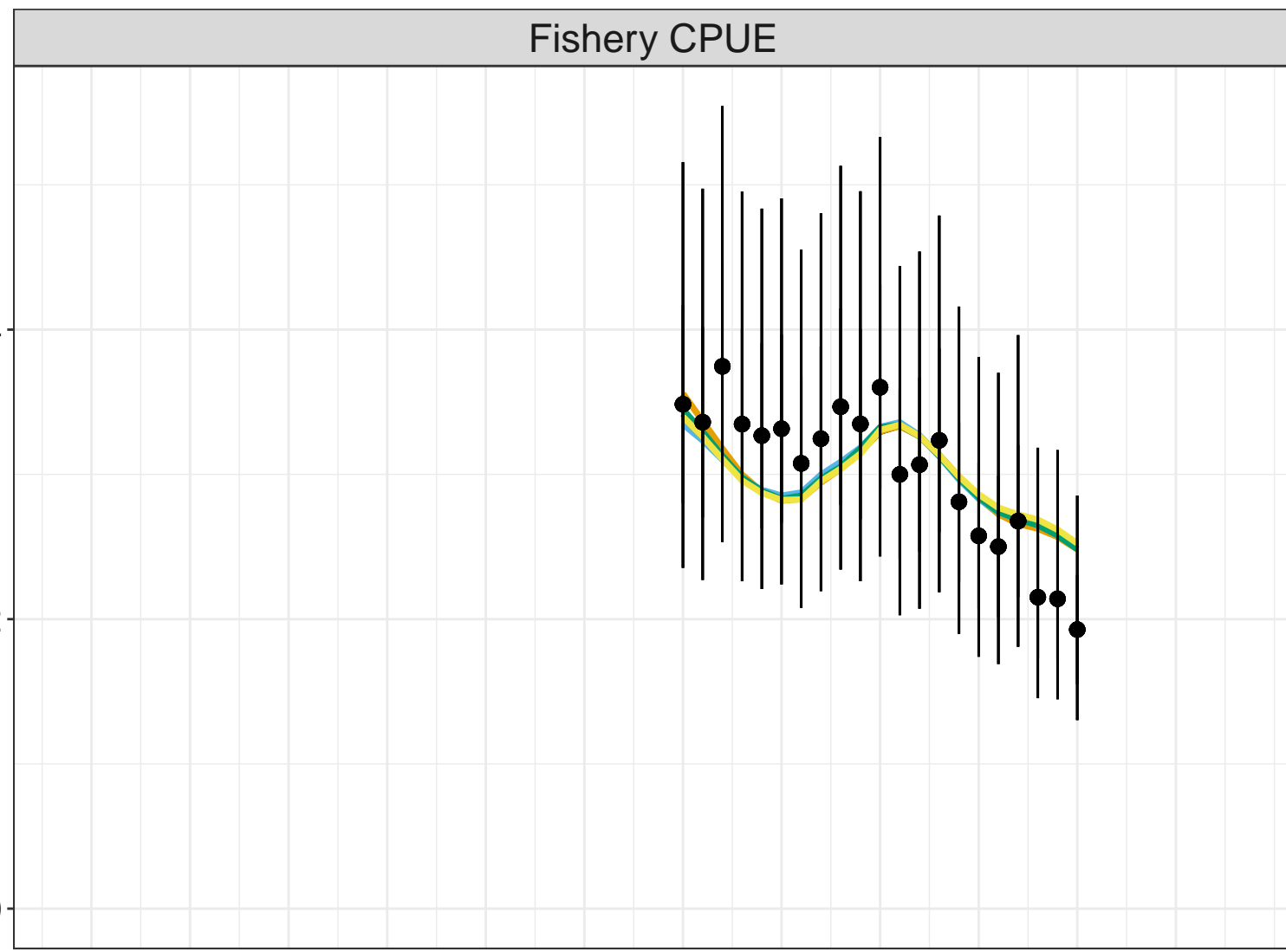
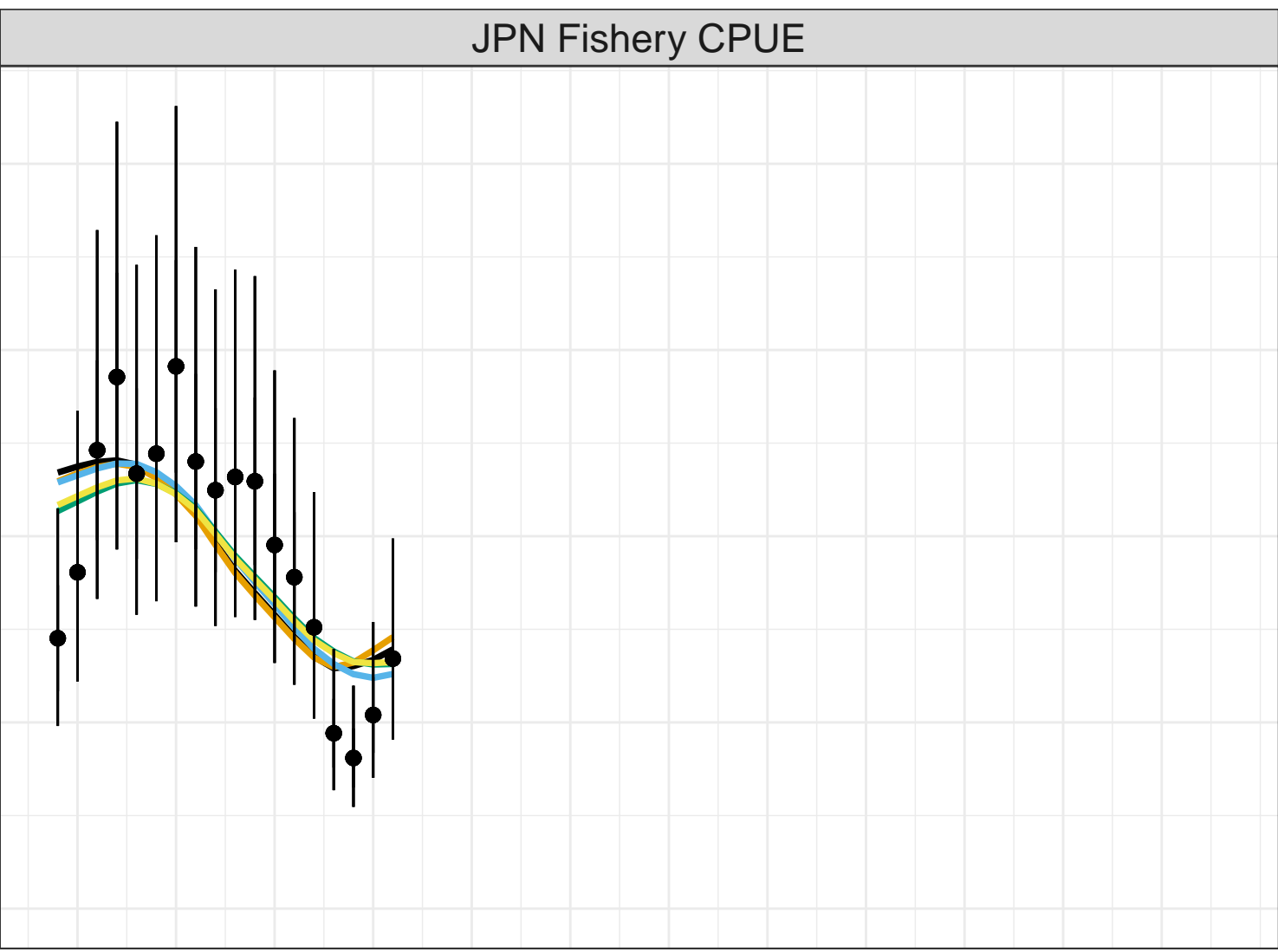
Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length



Index Fits

Model — 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length

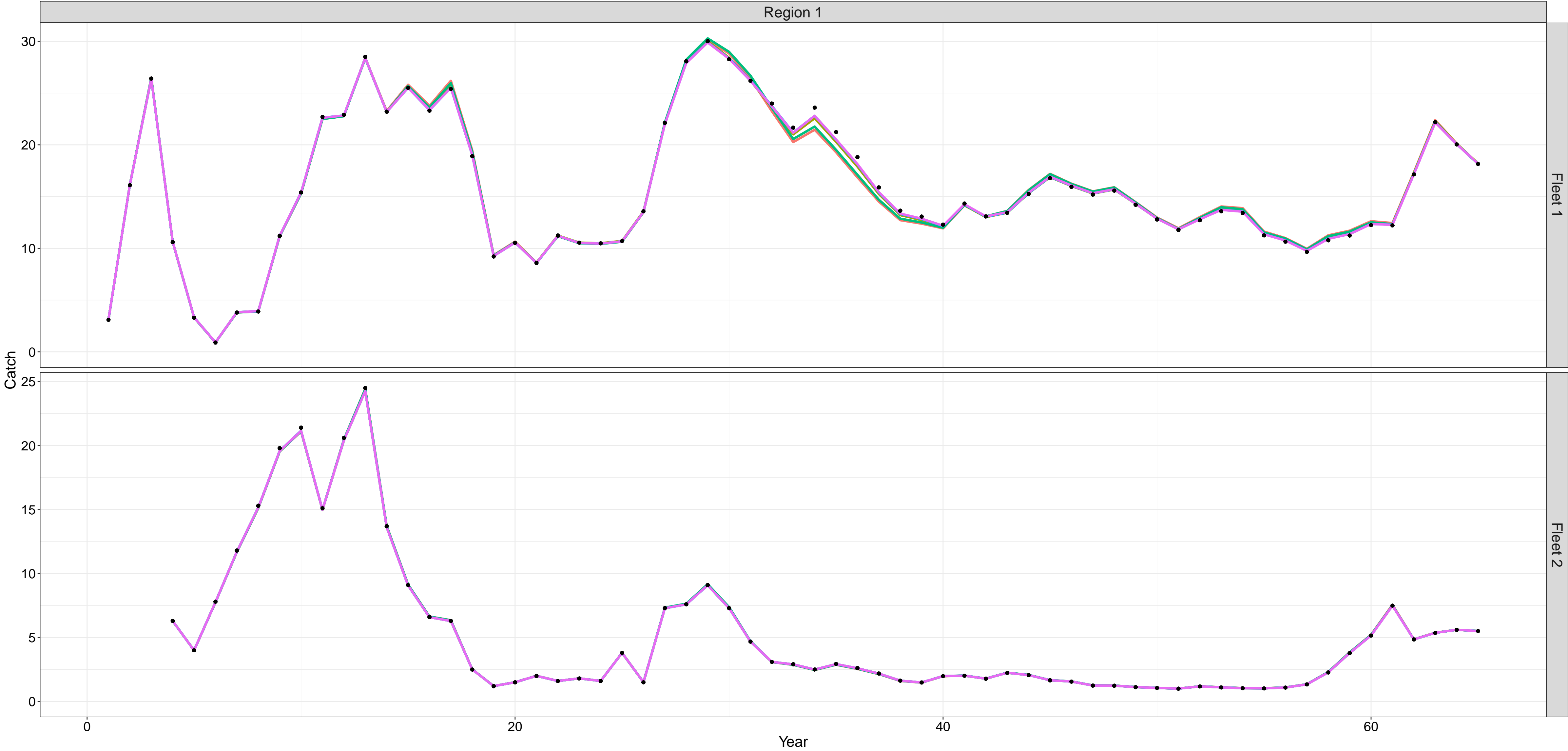
Index



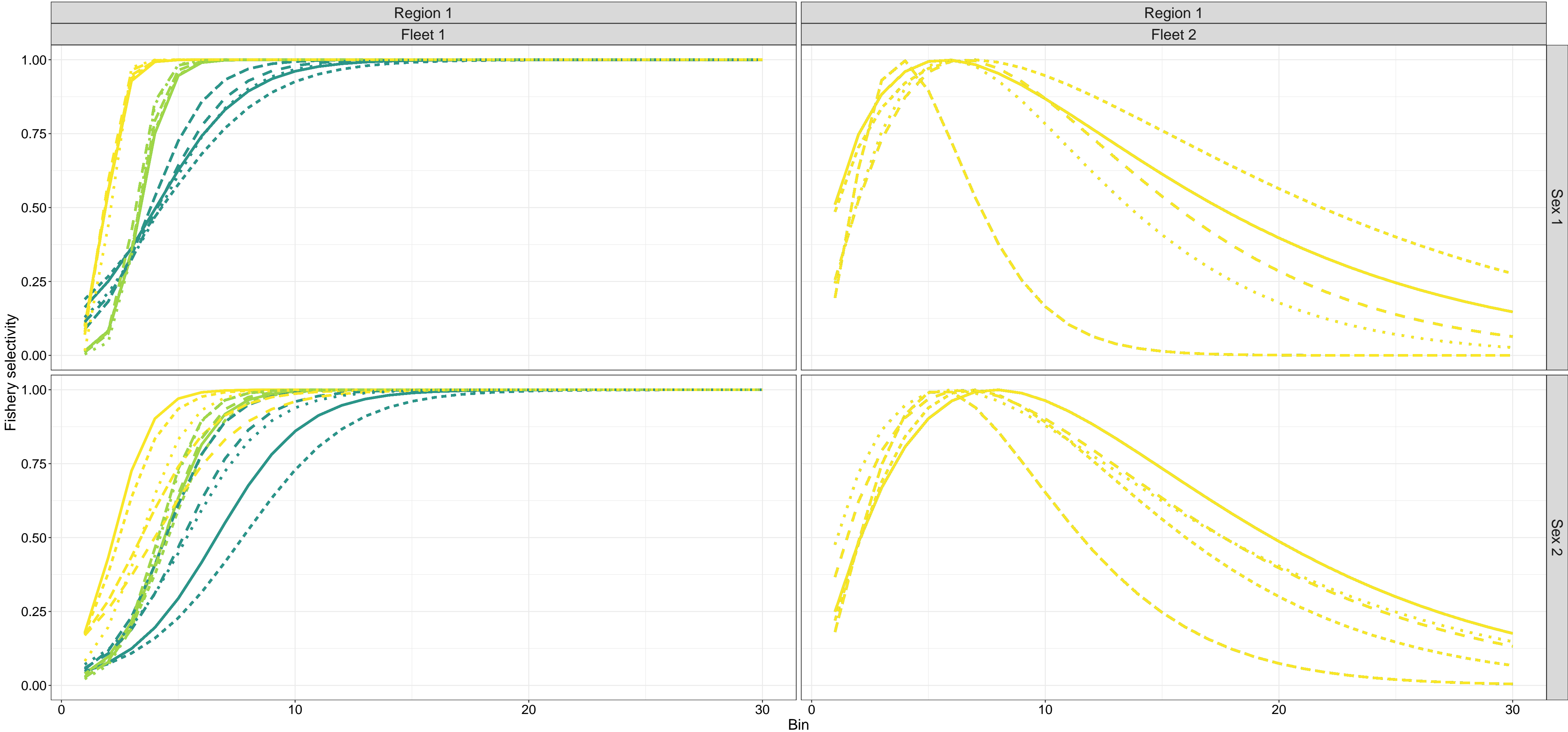
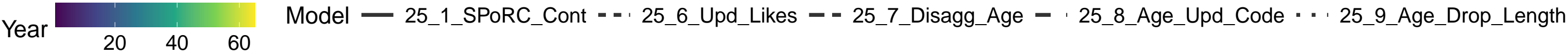
Year

Catch

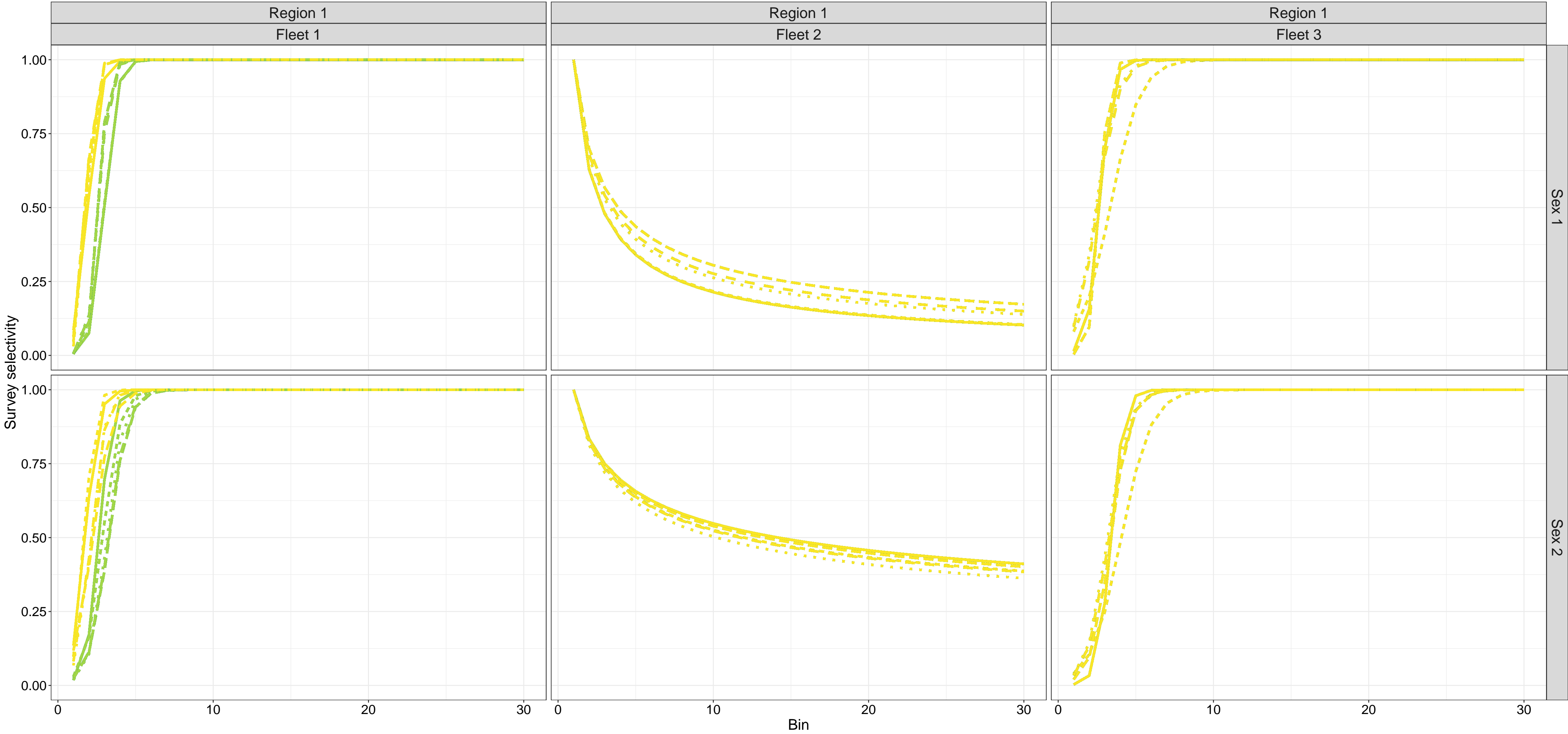
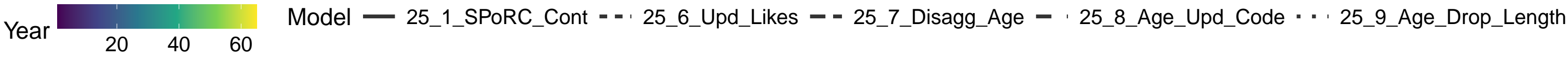
Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length



Fishery Selectivity

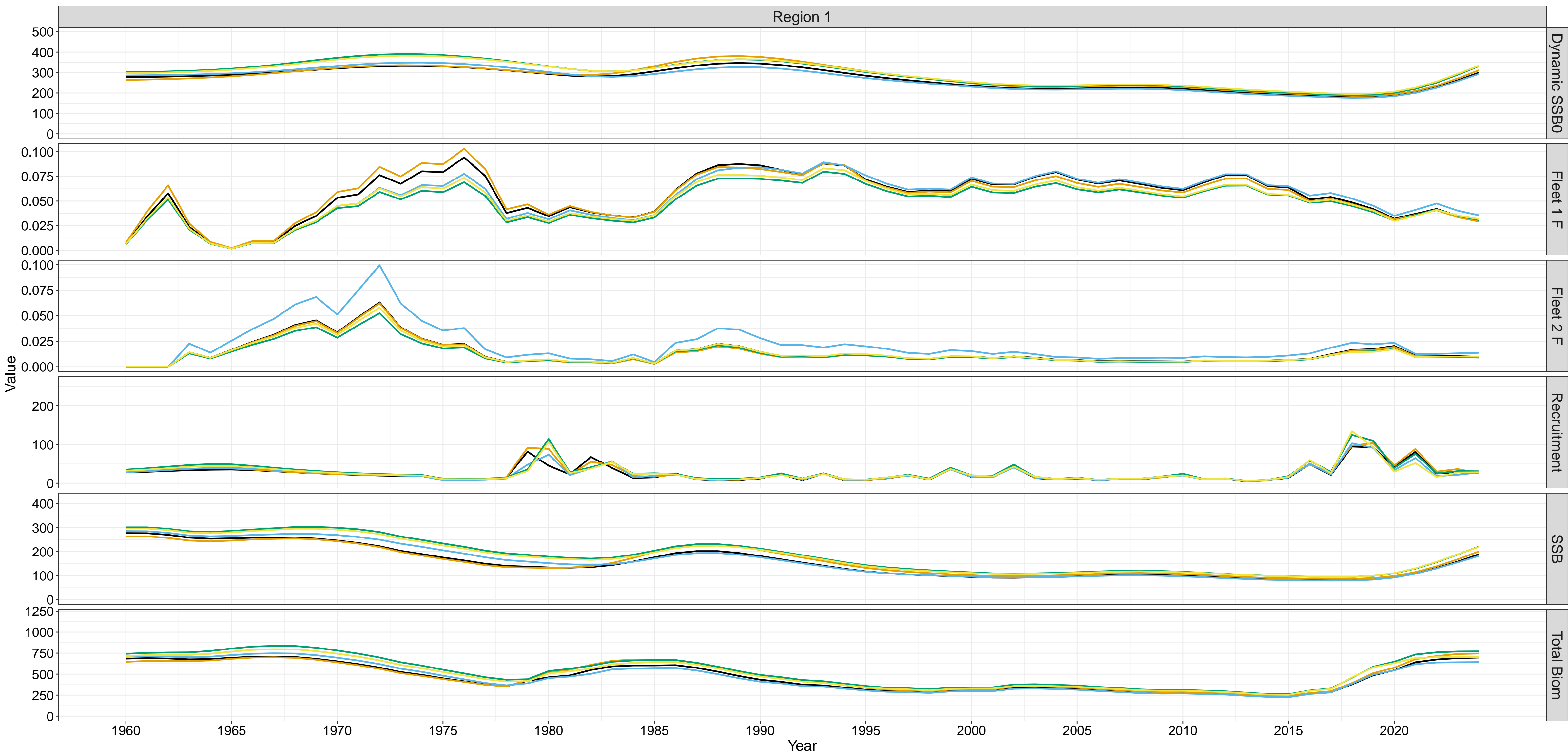


Survey Selectivity



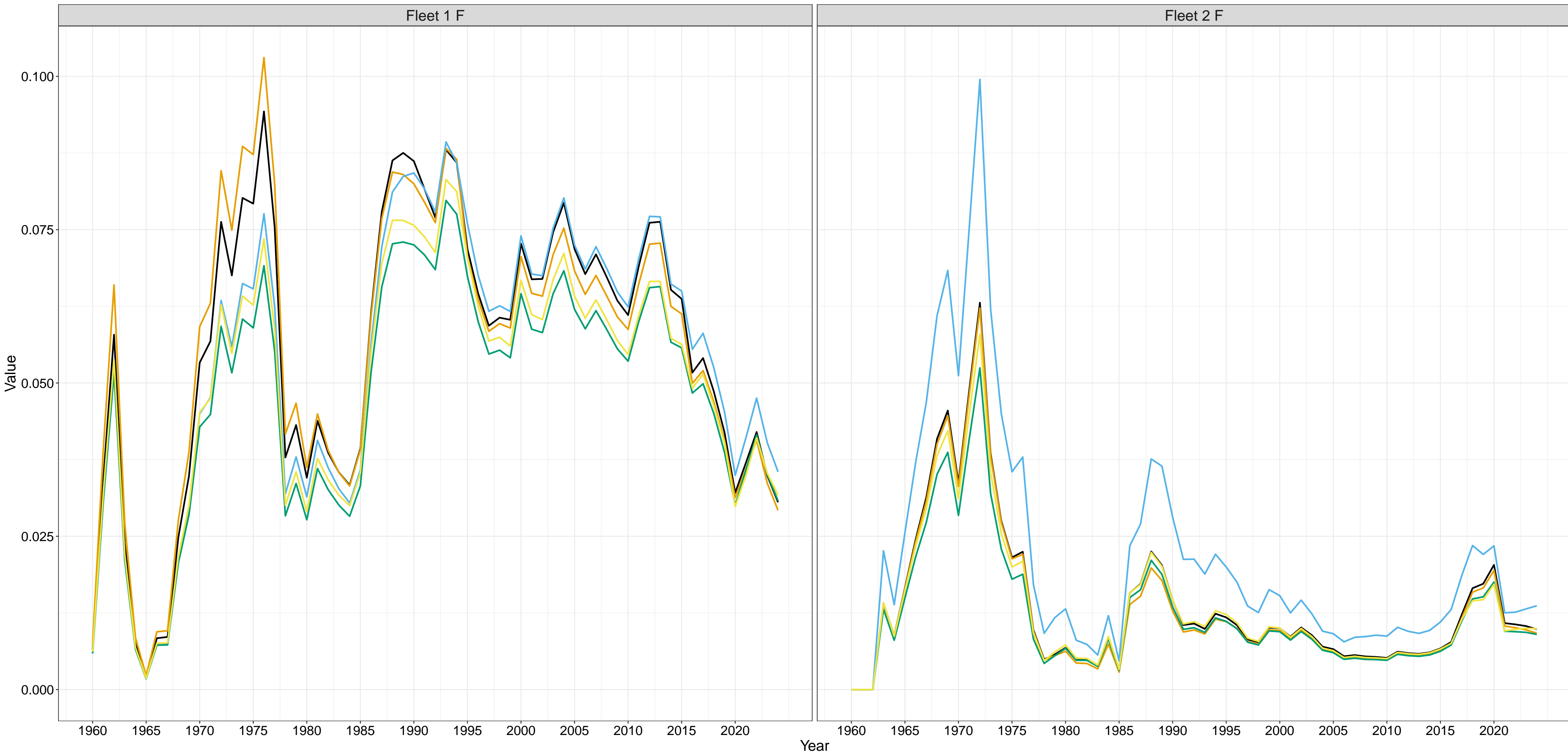
Time Series Plots

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age — 25_8_Age_Upd_Code — 25_9_Age_Drop_Length



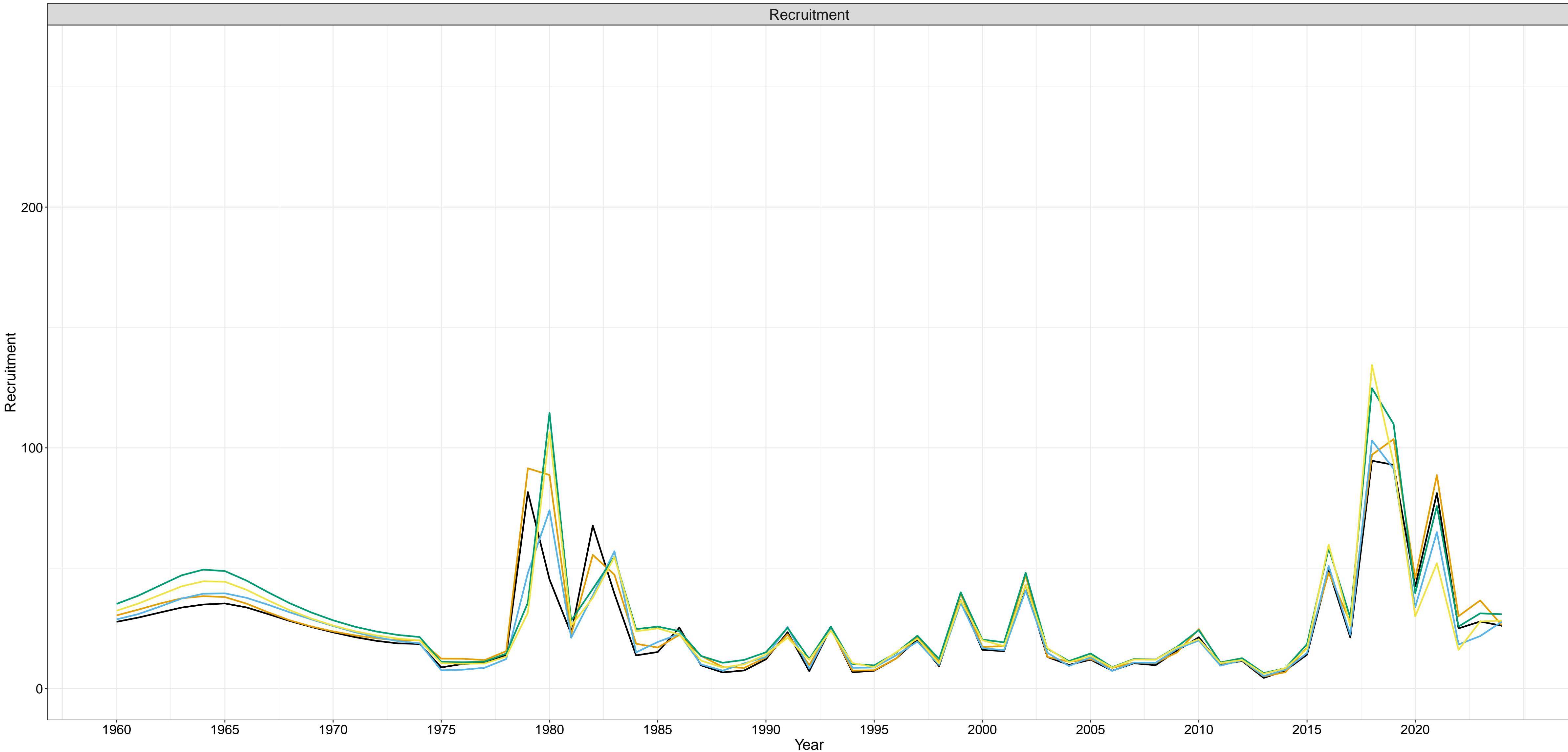
Fishing Mortality

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age — 25_8_Age_Upd_Code — 25_9_Age_Drop_Length

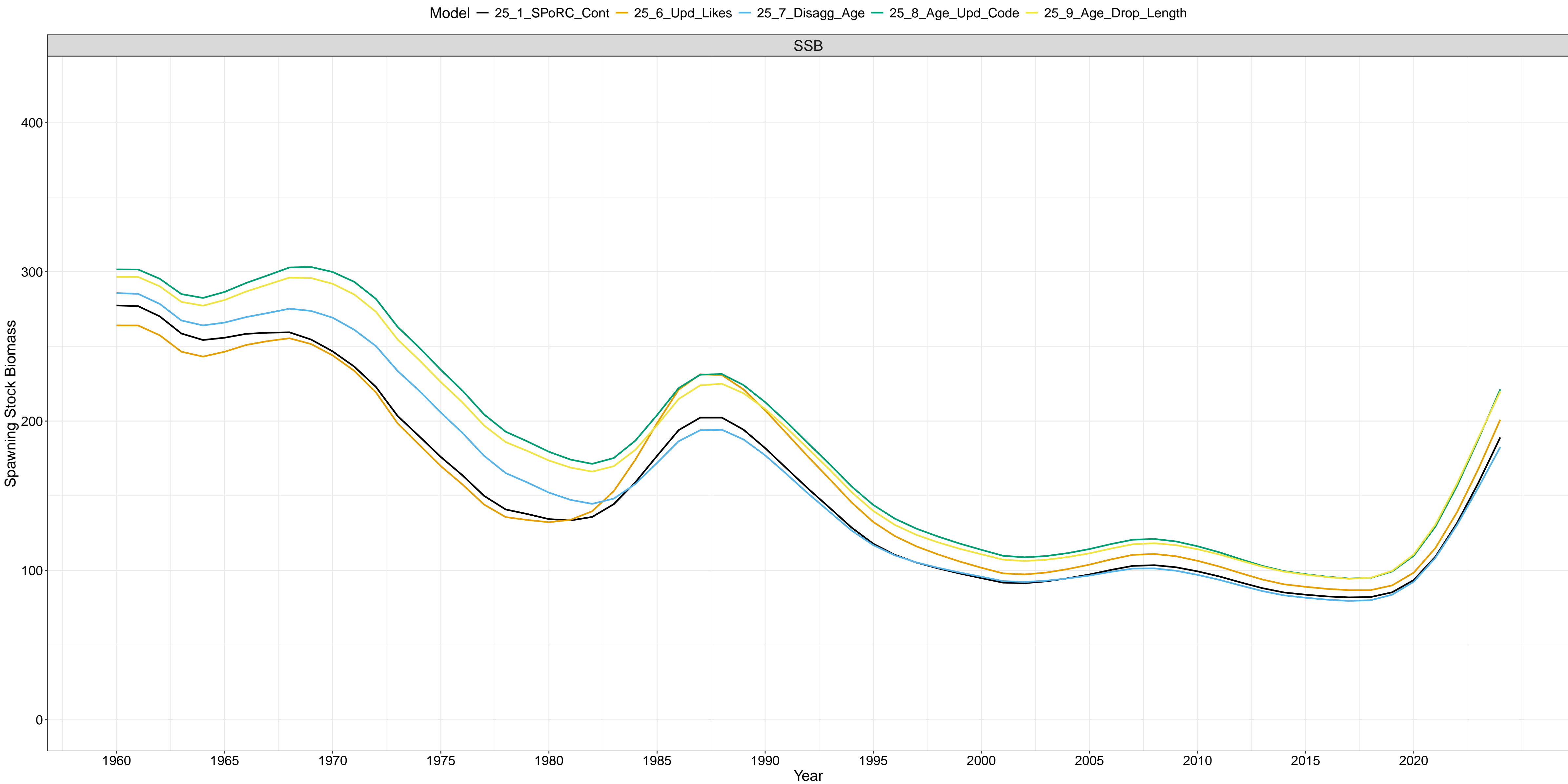


Recruitment

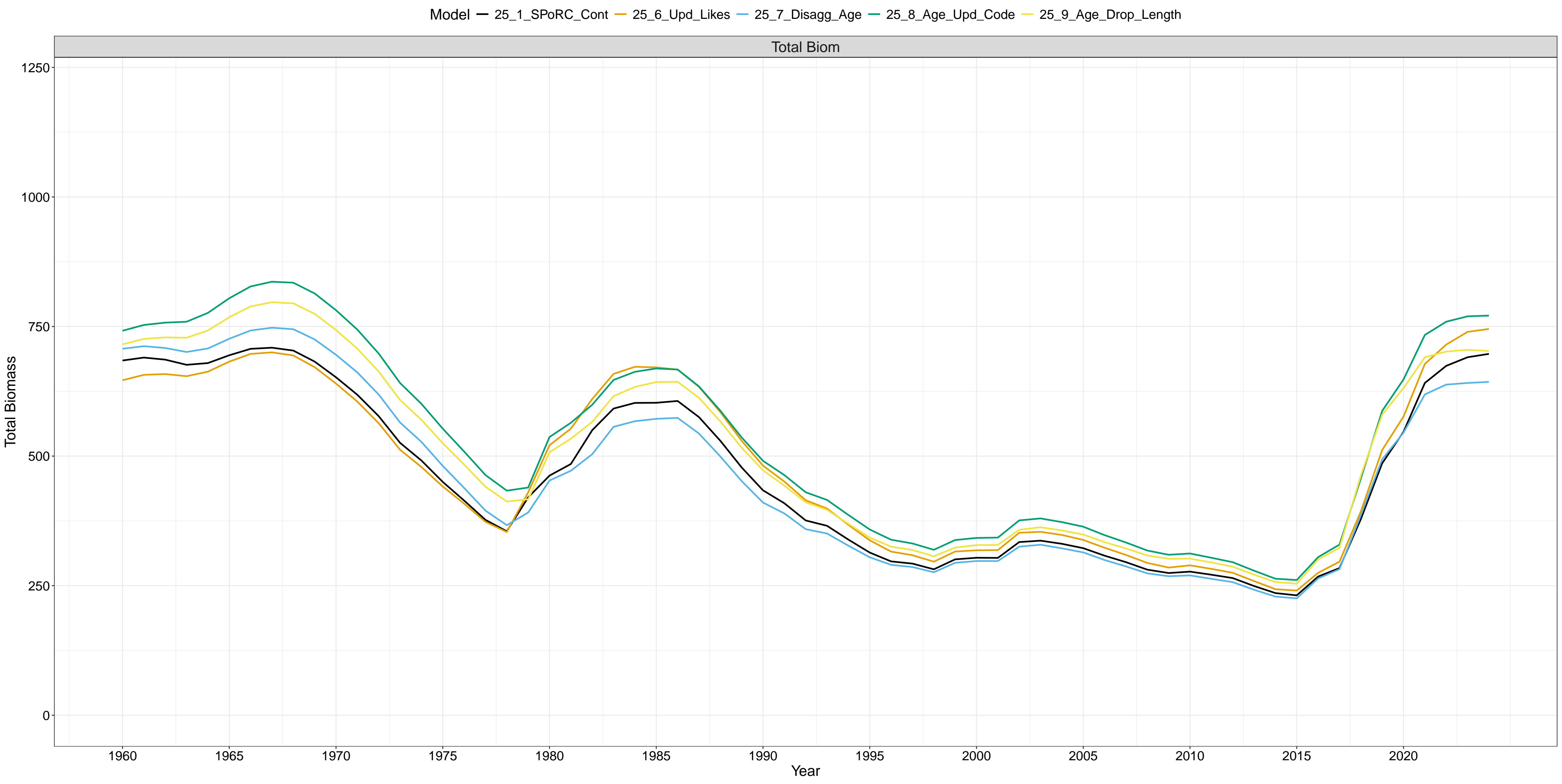
Model — 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length



SSB

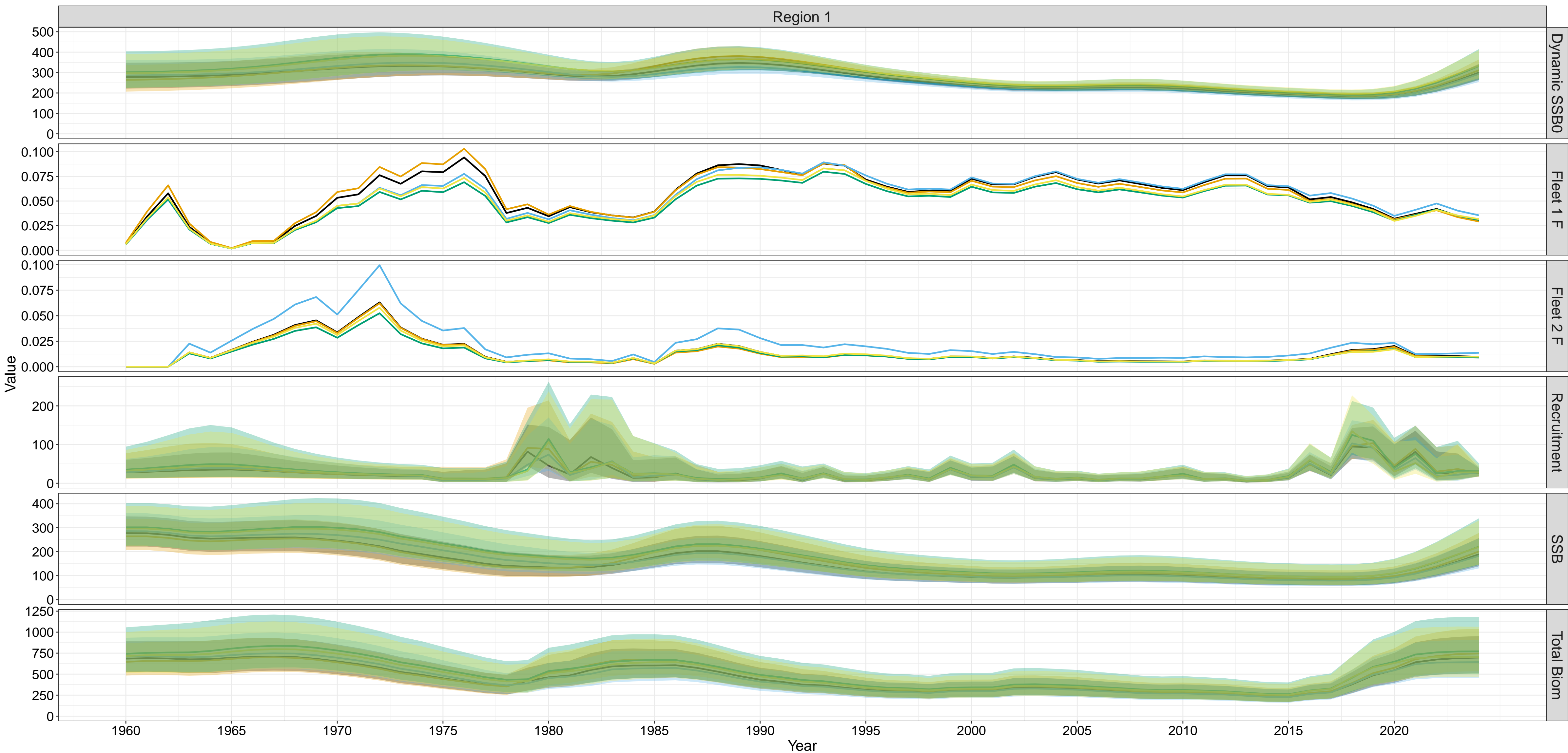


Biomass



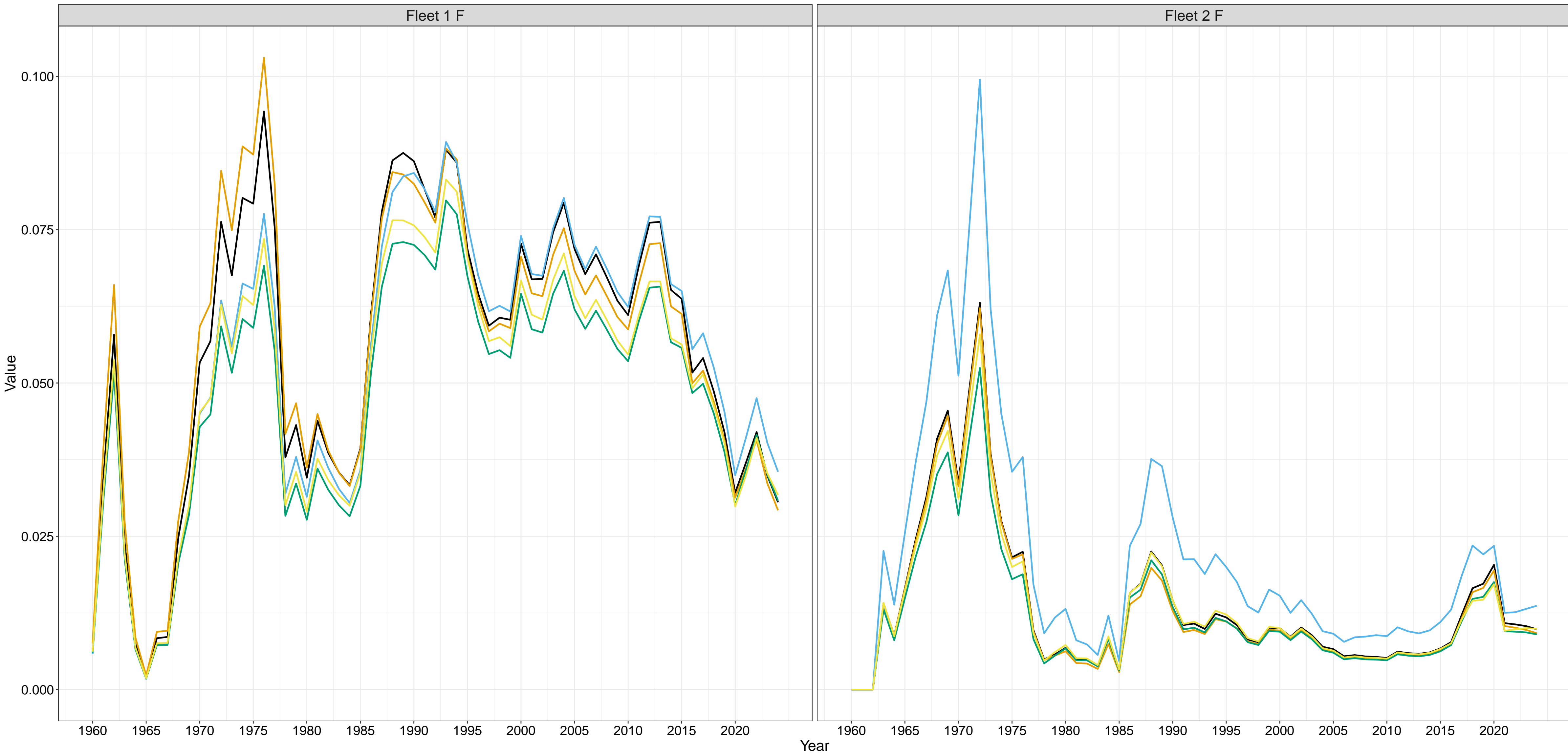
Time Series Plots

Model — 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length



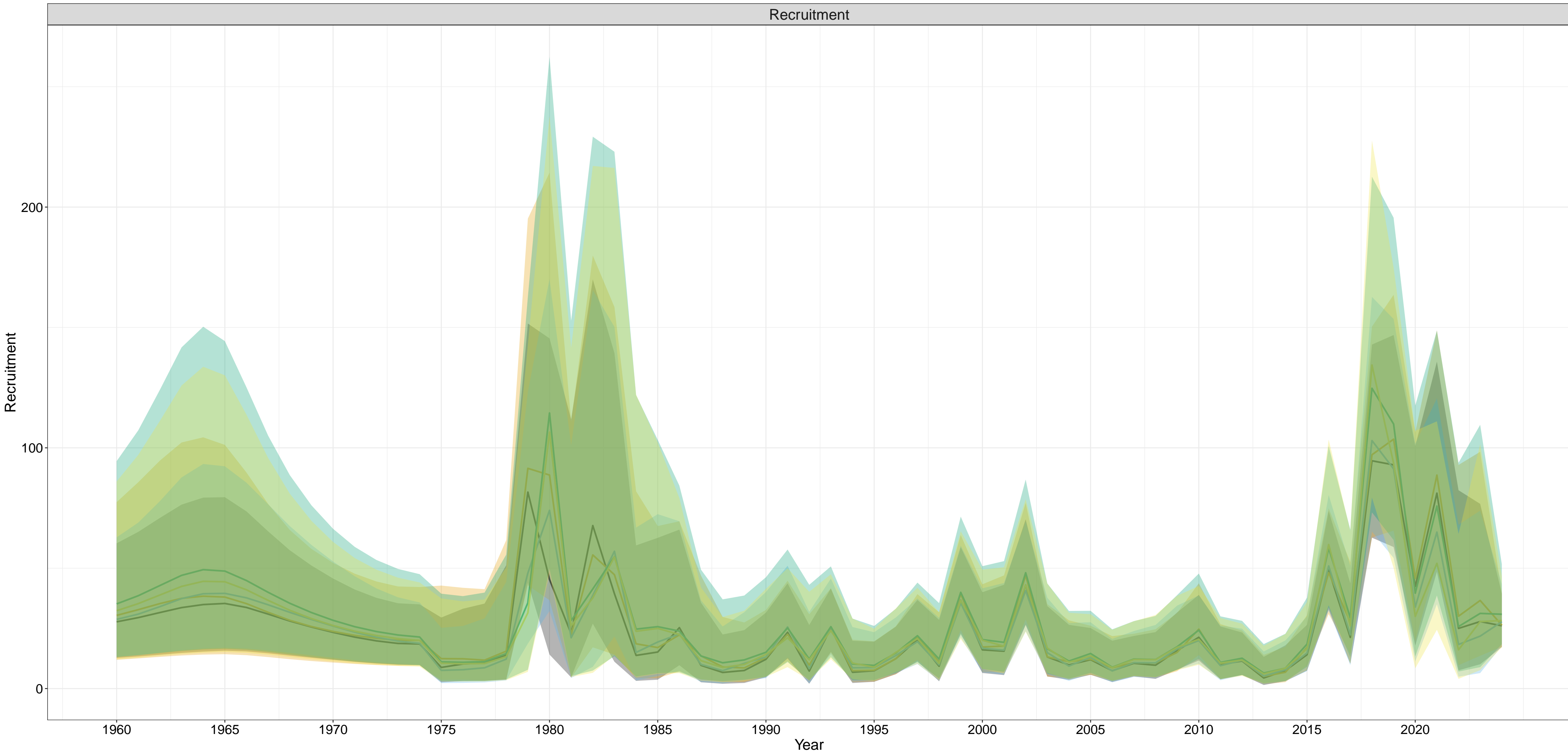
Fishing Mortality

Model — 25_1_SPoRC_Cont — 25_6_Upd_Likes — 25_7_Disagg_Age — 25_8_Age_Upd_Code — 25_9_Age_Drop_Length



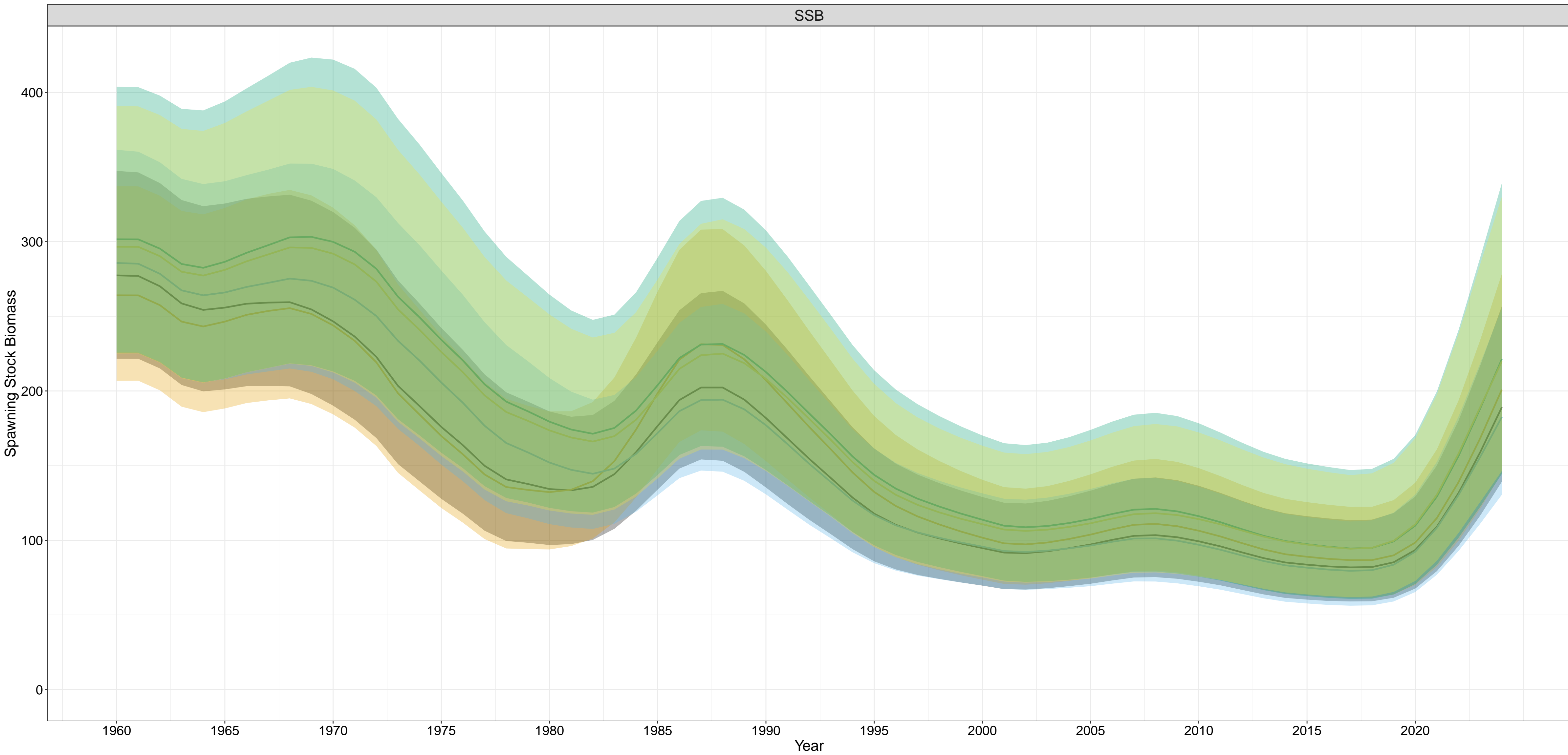
Recruitment

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length



SSB

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length



Biomass

Model 25_1_SPoRC_Cont 25_6_Upd_Likes 25_7_Disagg_Age 25_8_Age_Upd_Code 25_9_Age_Drop_Length

