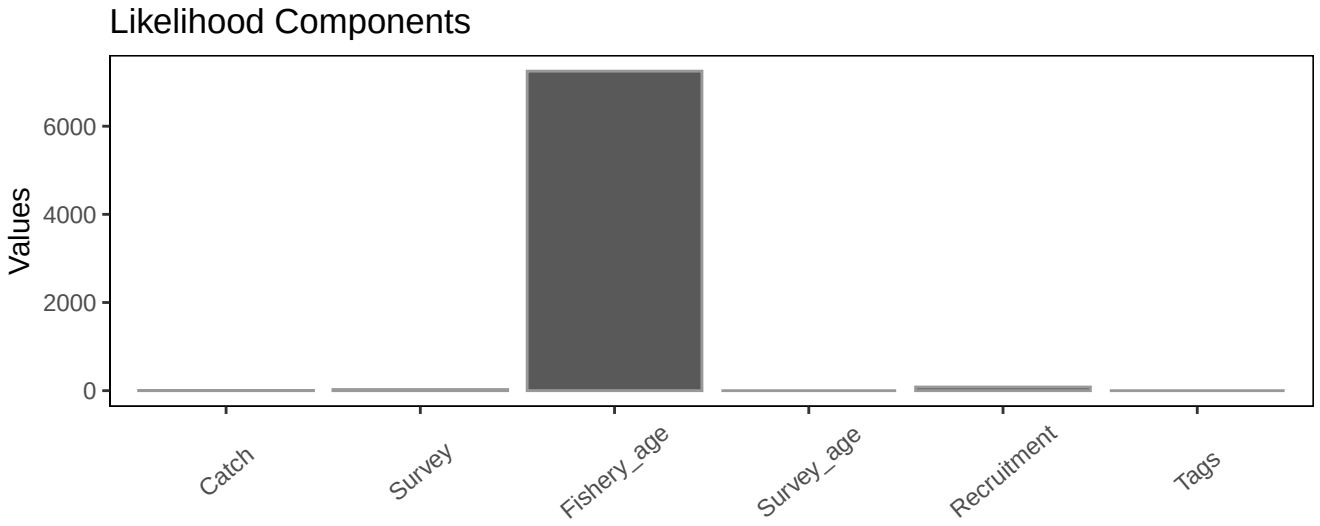
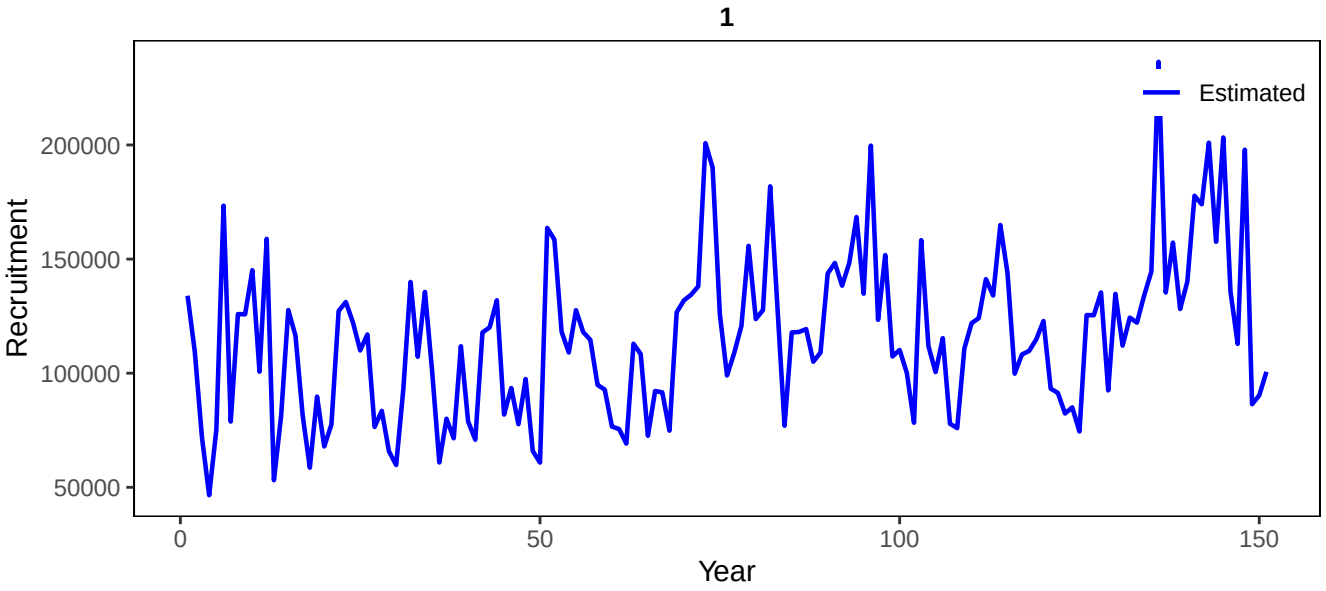
TIM − YFT Diagnostics

Model Converged

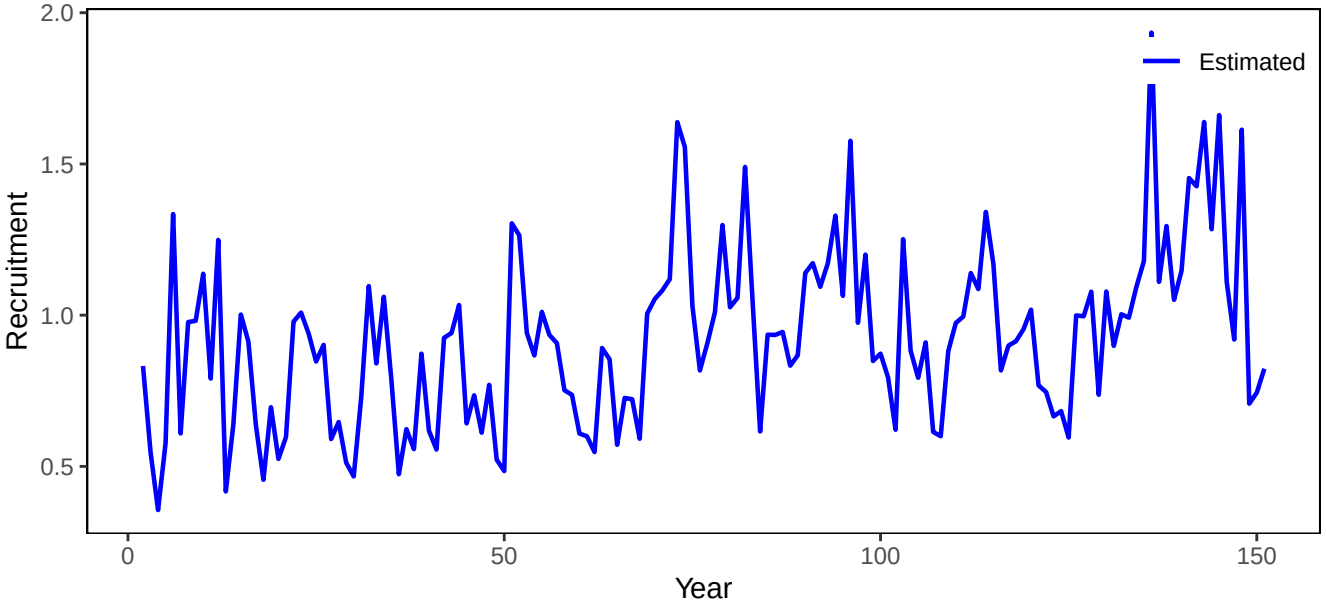
Maximum gradient component = 0.008906185088301 82



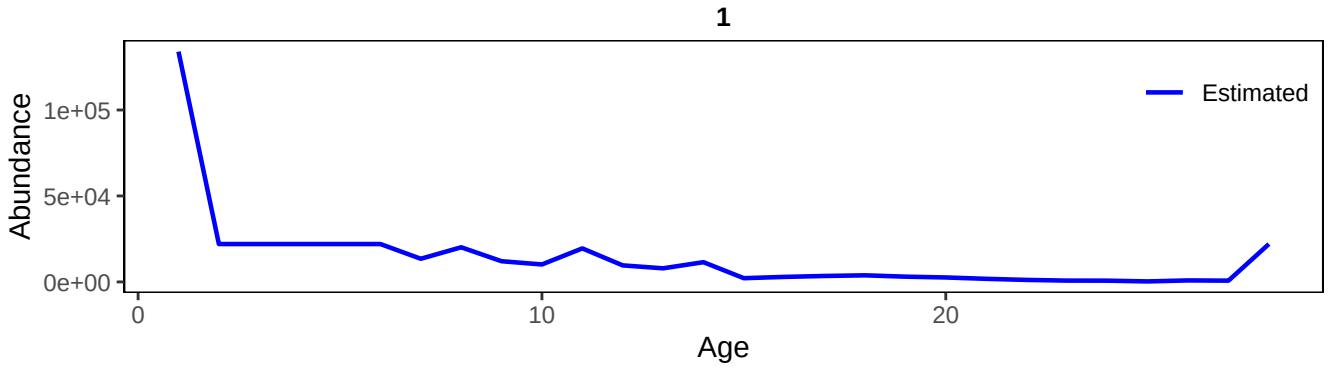
Recruitment Total



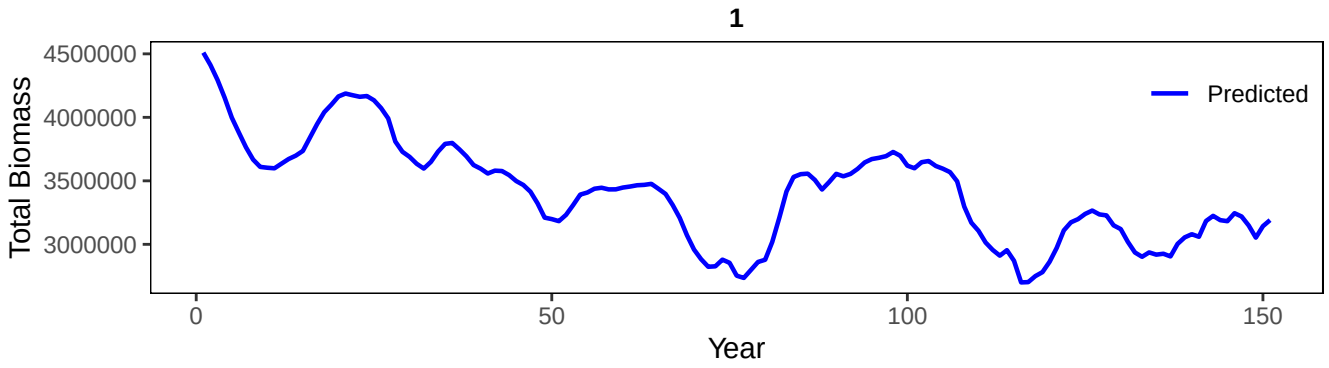
Recruitment Deviations



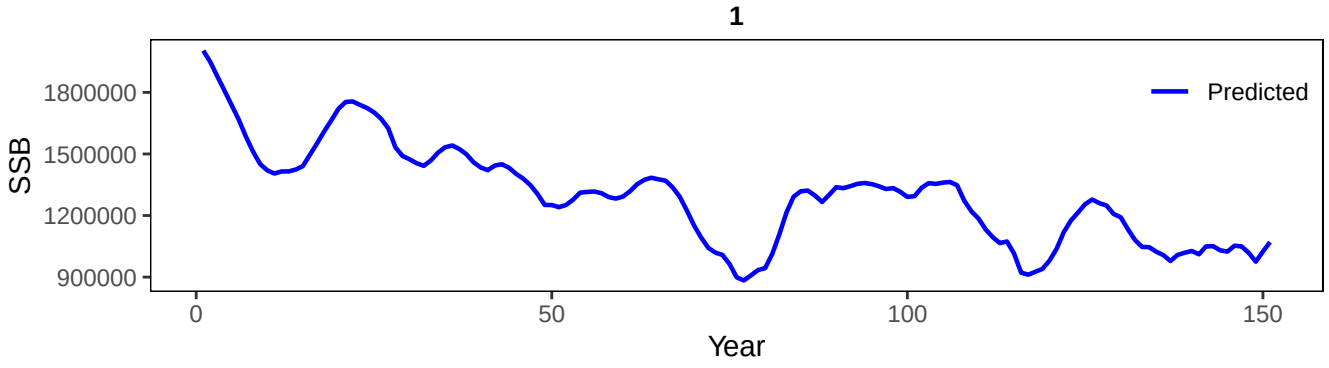
Initial Abundance

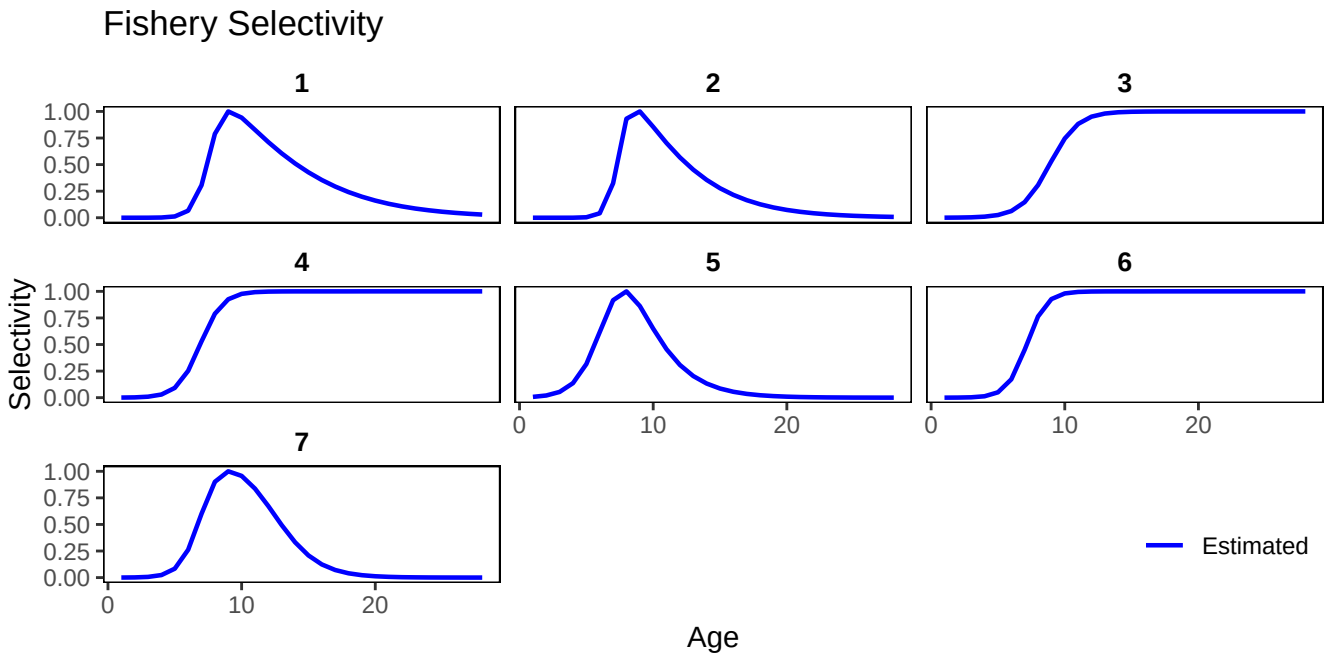


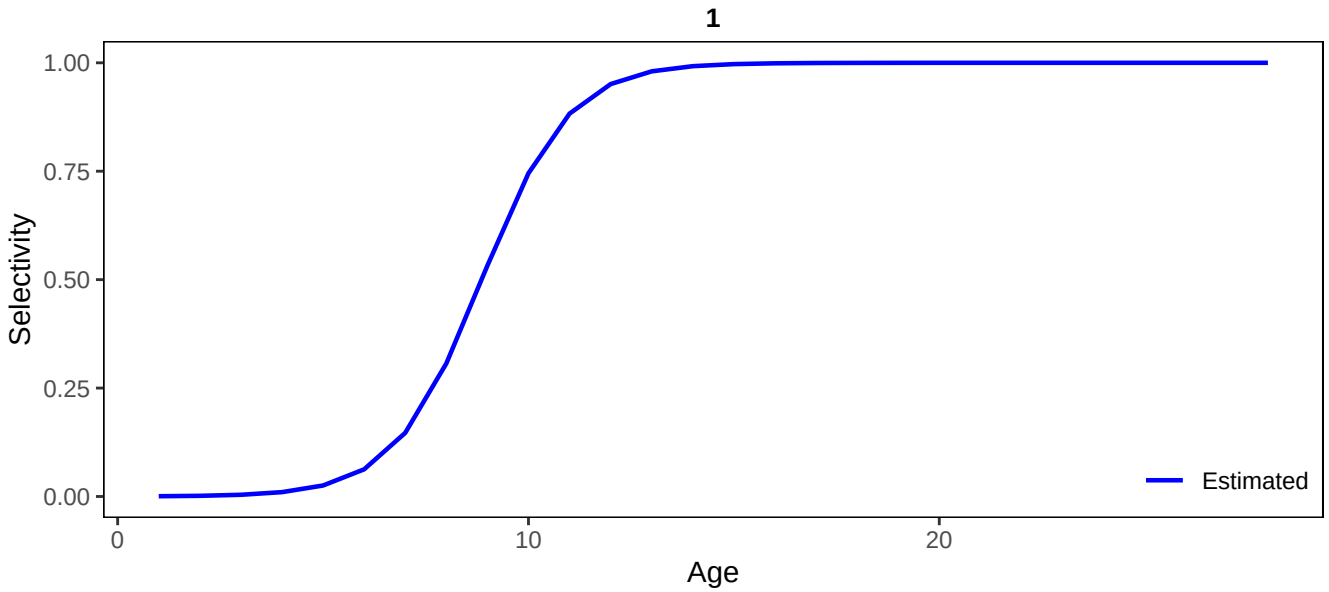
Total Biomass

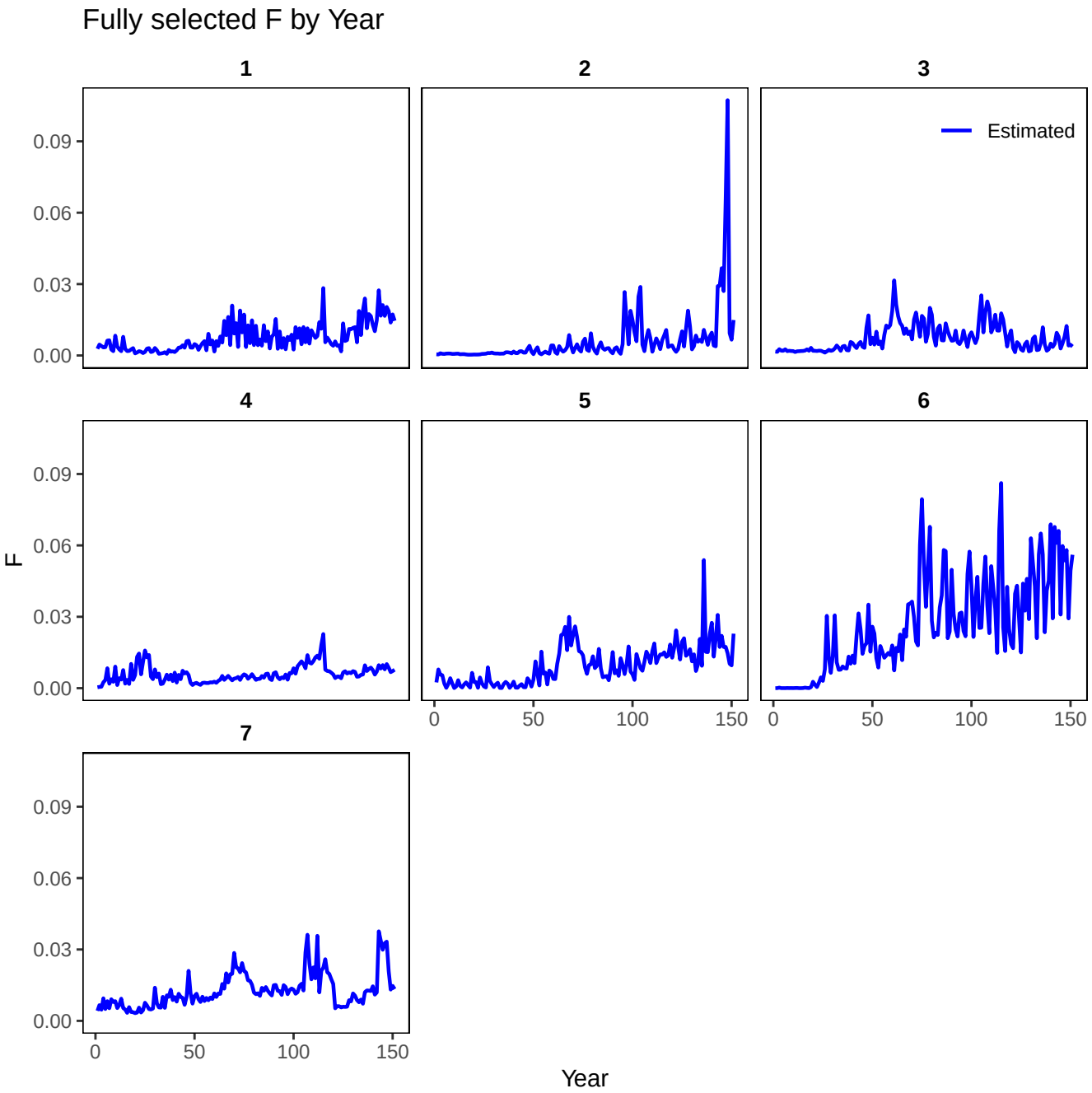


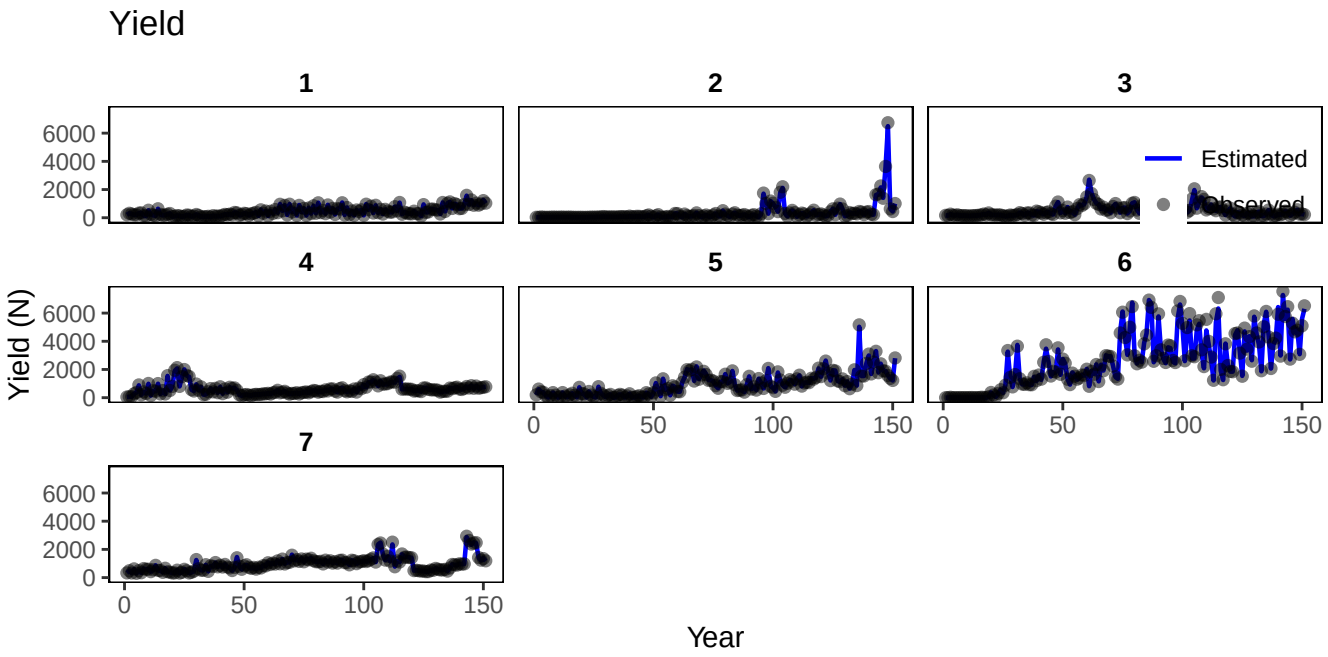
SSB

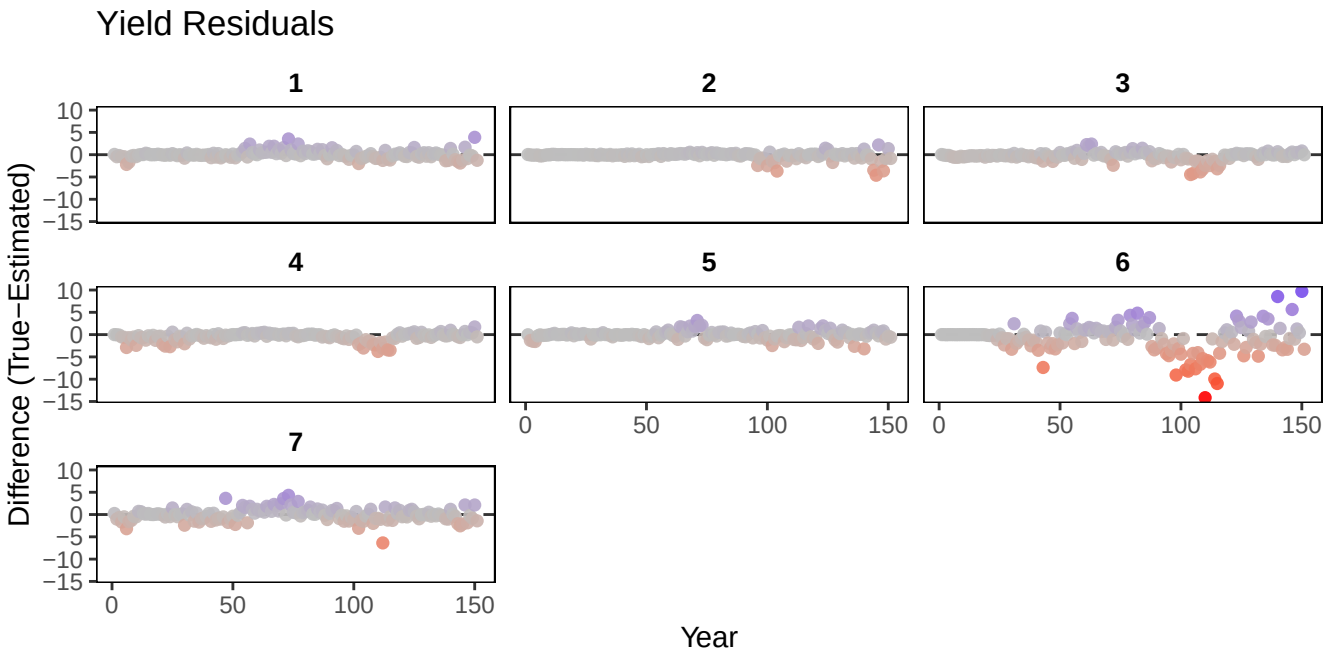


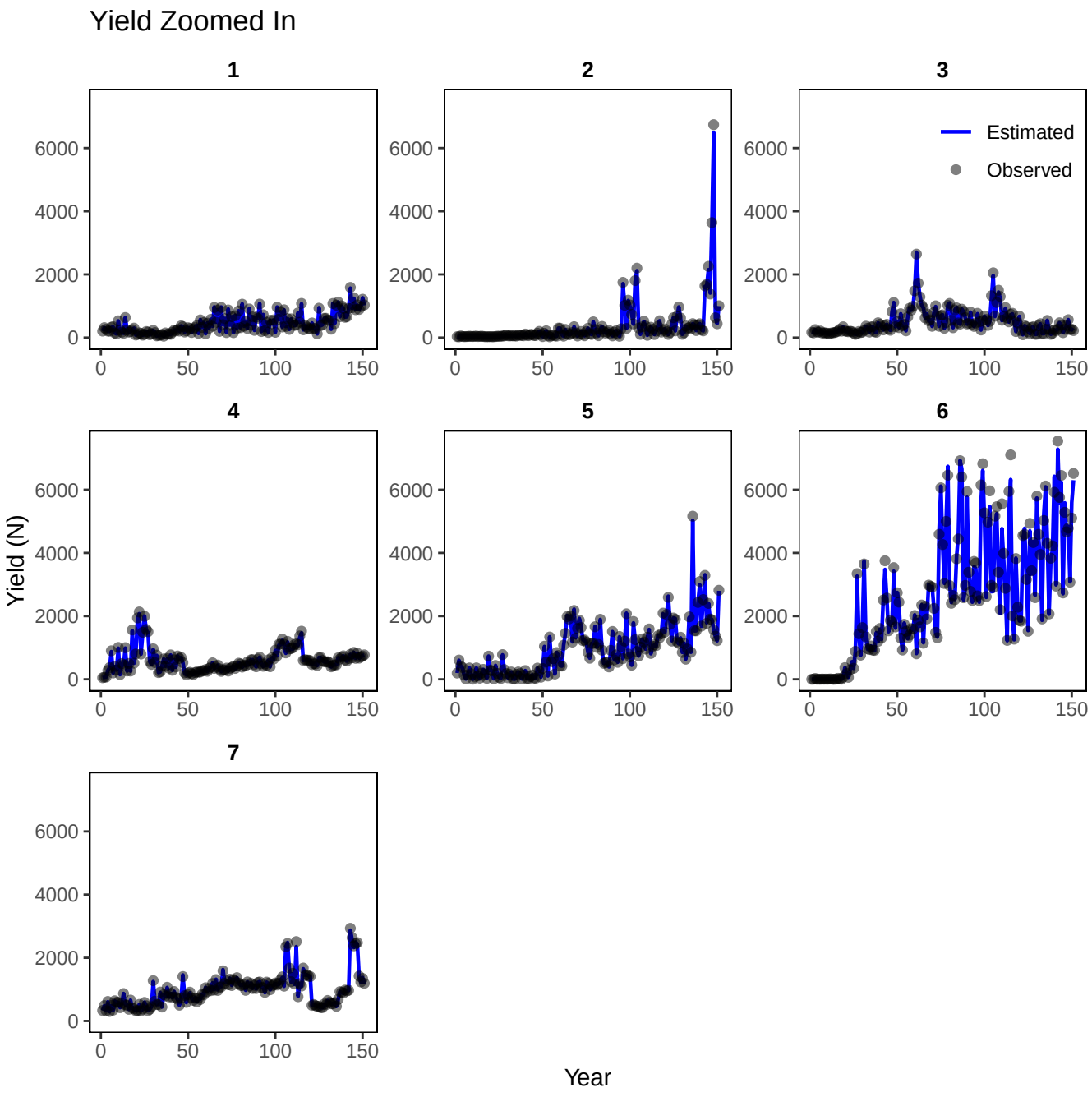

Fishery Selectivity
1
2
3
4
5
6
7
1.00
0.75
0.50
0.25
0.00
0
10
20
Selectivity
Estimated
Age


Survey Selectivity
1
1.00
0.75
0.50
0.25
0.00
0
10
20
Selectivity
Estimated
Age

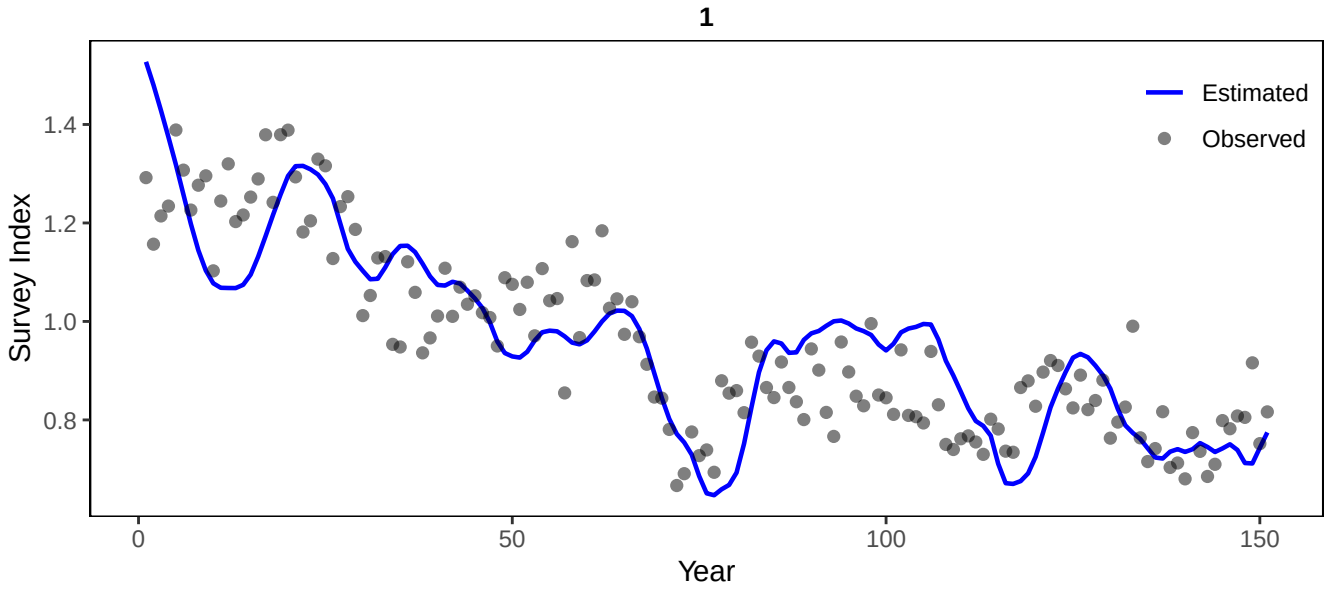

Fully selected F by Year
1
2
3
4
5
6
7
Estimated
F
Year
0.00
0.03
0.06
0.09
0
50
100
150


Yield
1
2
3
4
5
6
7
Estimated
Observed
Yield (N)
6000
4000
2000
0
0
50
100
150
Year

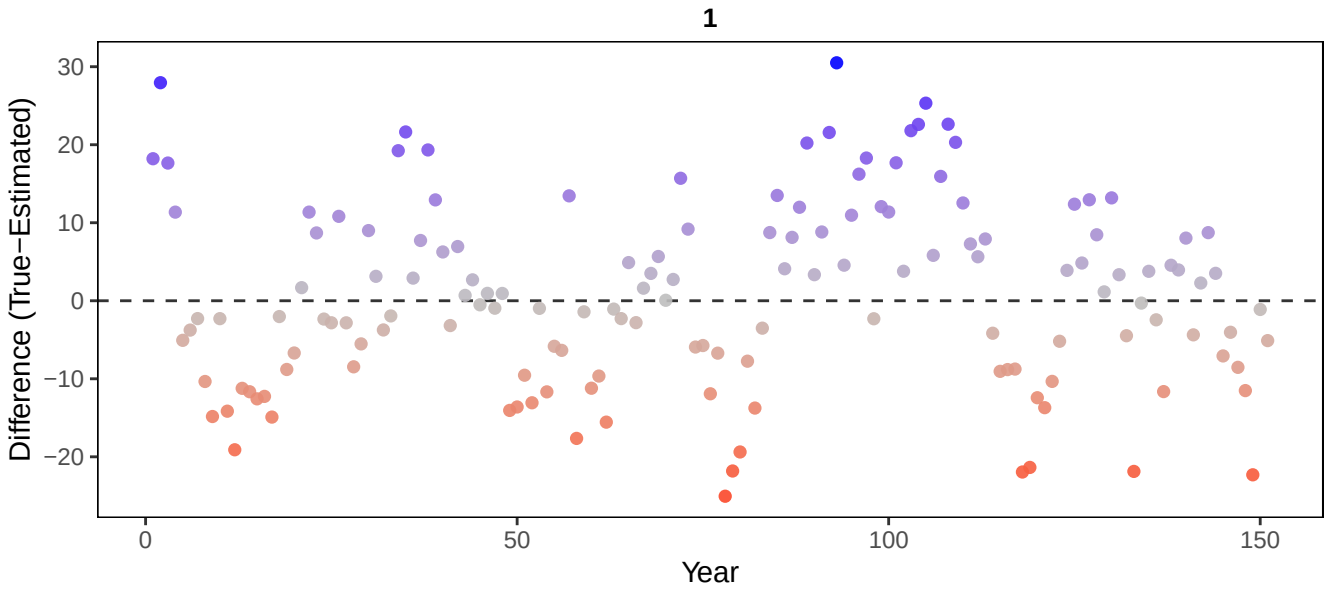

Yield Residuals
1
2
3
4
5
6
7
Difference (True−Estimated)
10
5
0
−5
−10
−15
0
50
100
150
Year

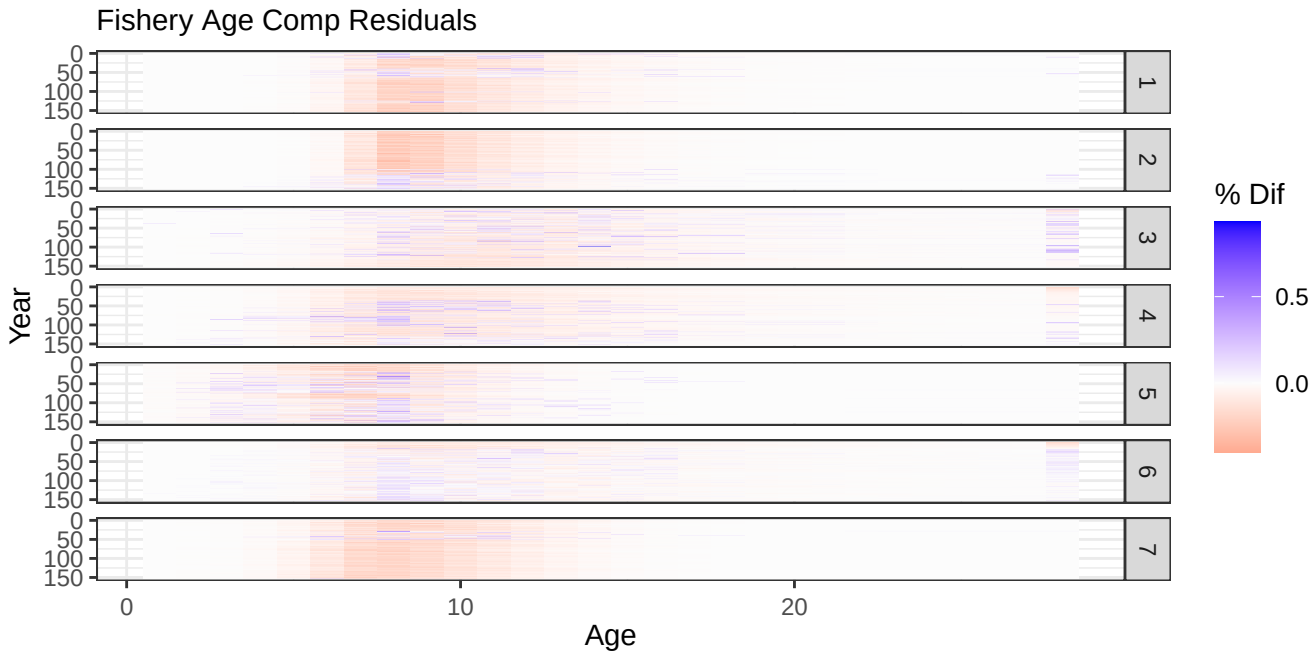

Yield Zoomed In
1
2
3
4
5
6
7
Estimated
Observed
Yield (N)
Year
0
2000
4000
6000
0
50
100
150

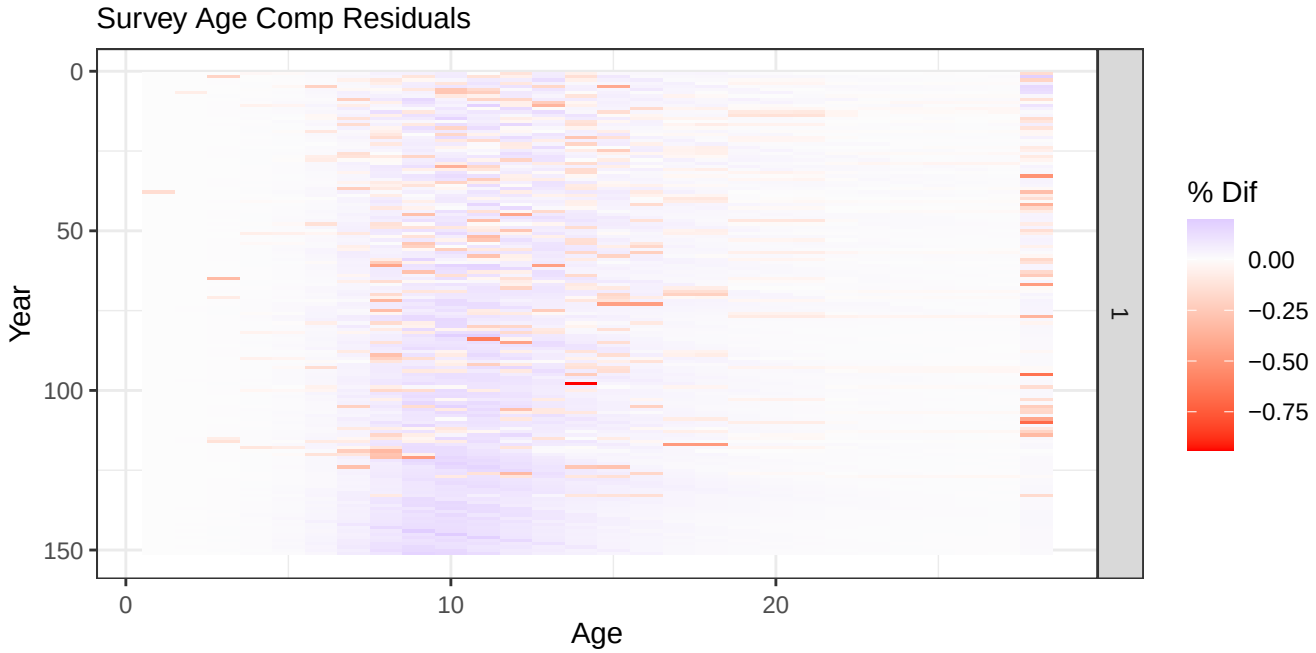
Survey Biomass

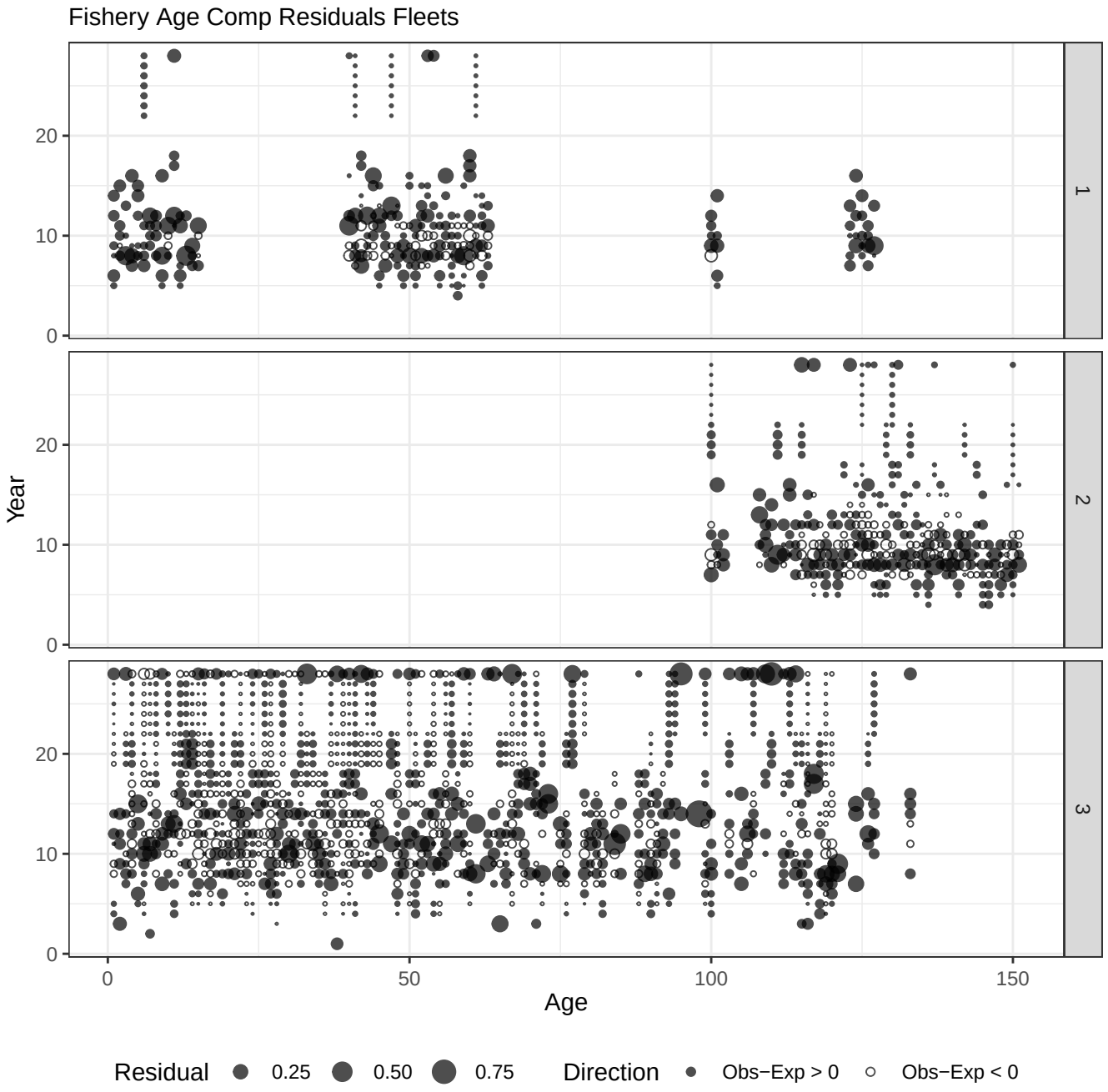


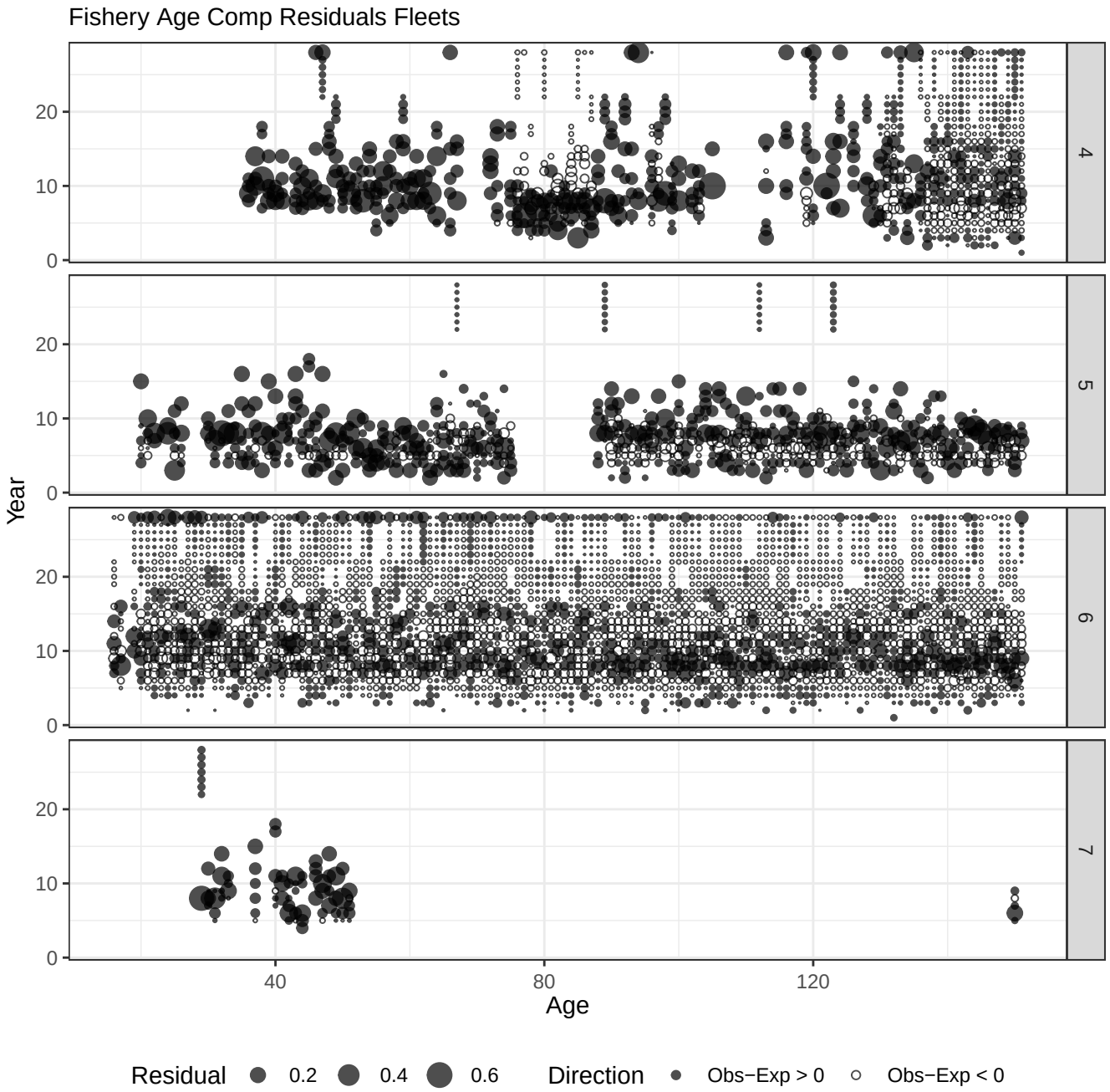
Survey Index Residuals

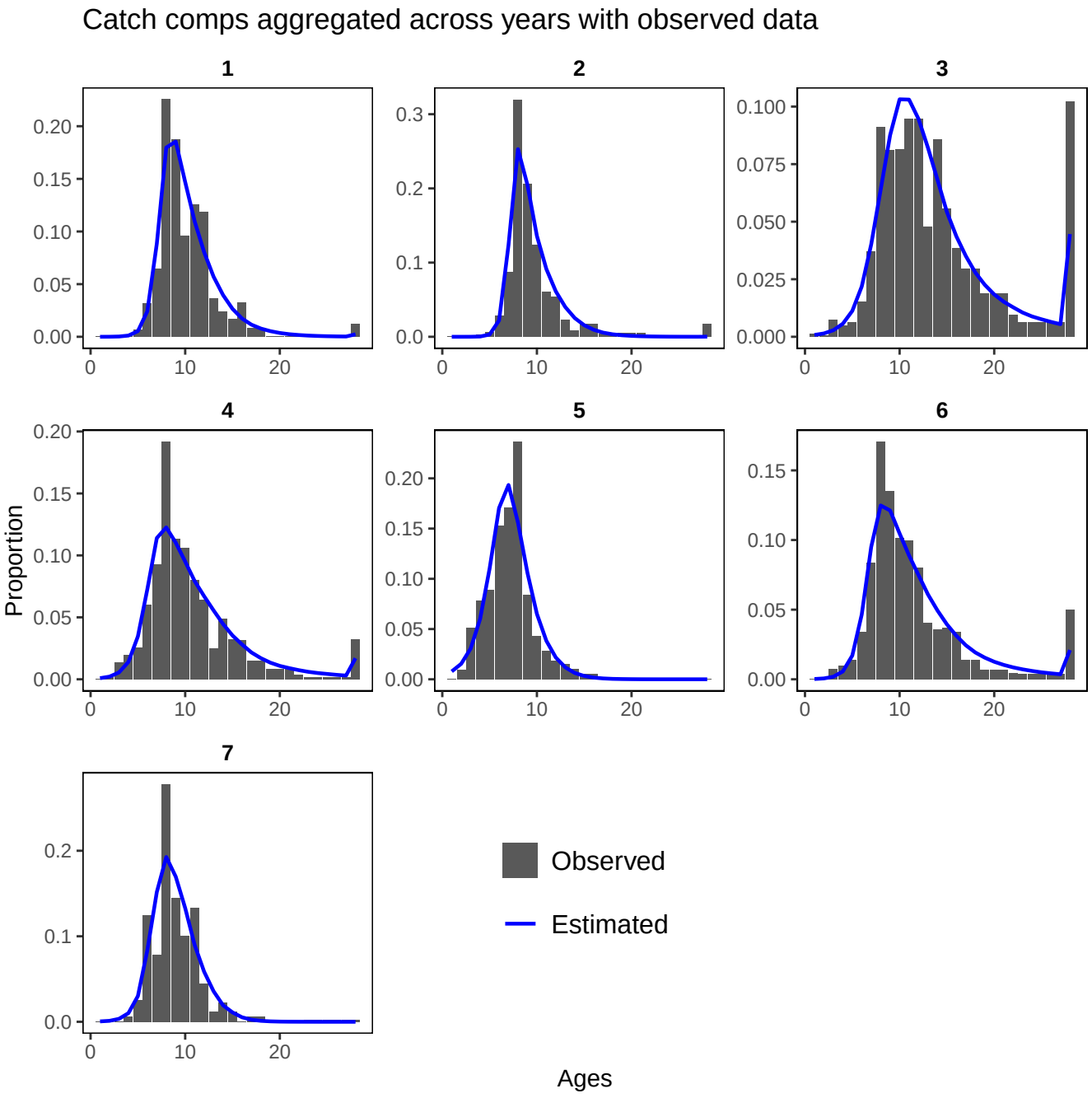


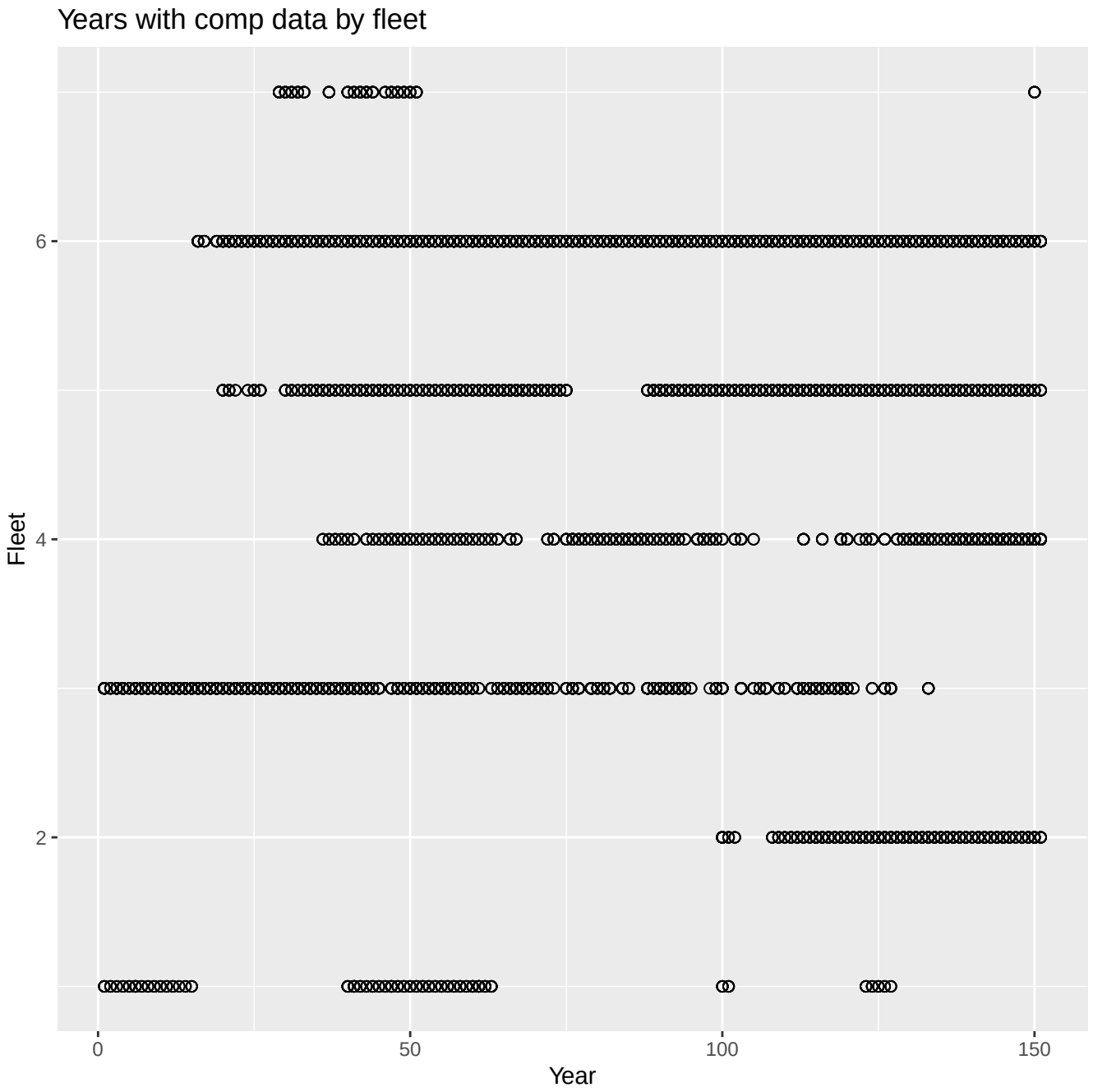

Fishery Age Comp Residuals
Year
Age
% Dif
0.5
0.0
1
2
3
4
5
6
7


Survey Age Comp Residuals
Year
Age
% Dif
0.00
−0.25
−0.50
−0.75
1


Fishery Age Comp Residuals Fleets
Year
Age
0
10
20
0
50
100
150
1
2
3
Residual
0.25
0.50
0.75
Direction
Obs−Exp > 0
Obs−Exp < 0


Fishery Age Comp Residuals Fleets
Year
Age
4
5
6
7
0
10
20
40
80
120
Residual
0.2
0.4
0.6
Direction
Obs−Exp > 0
Obs−Exp < 0


Catch comps aggregated across years with observed data
1
2
3
4
5
6
7
Proportion
Ages
Observed
Estimated


Years with comp data by fleet
Fleet
6
4
2
0
50
100
150
Year