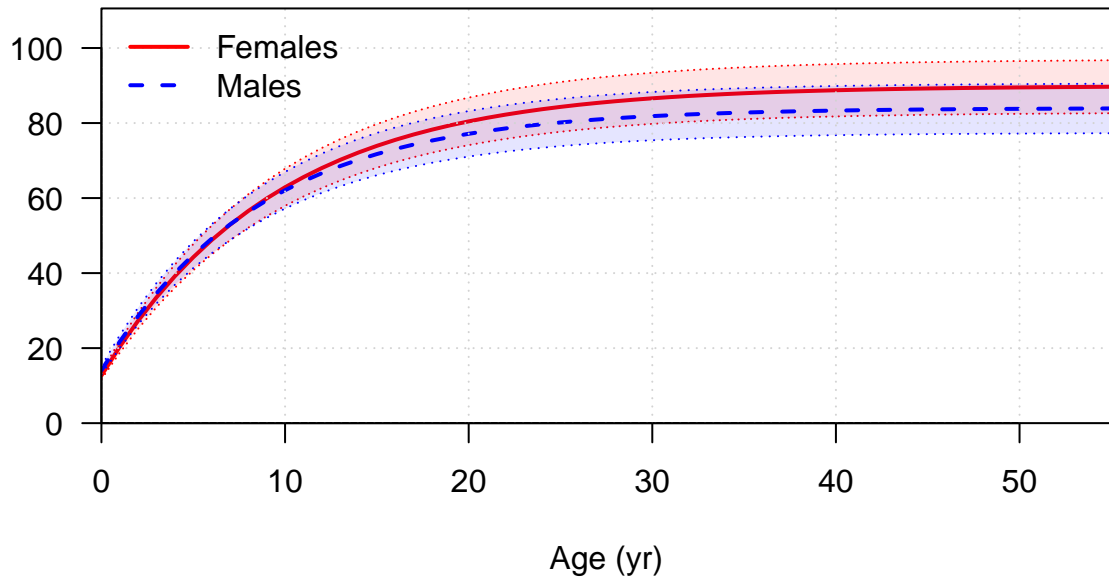
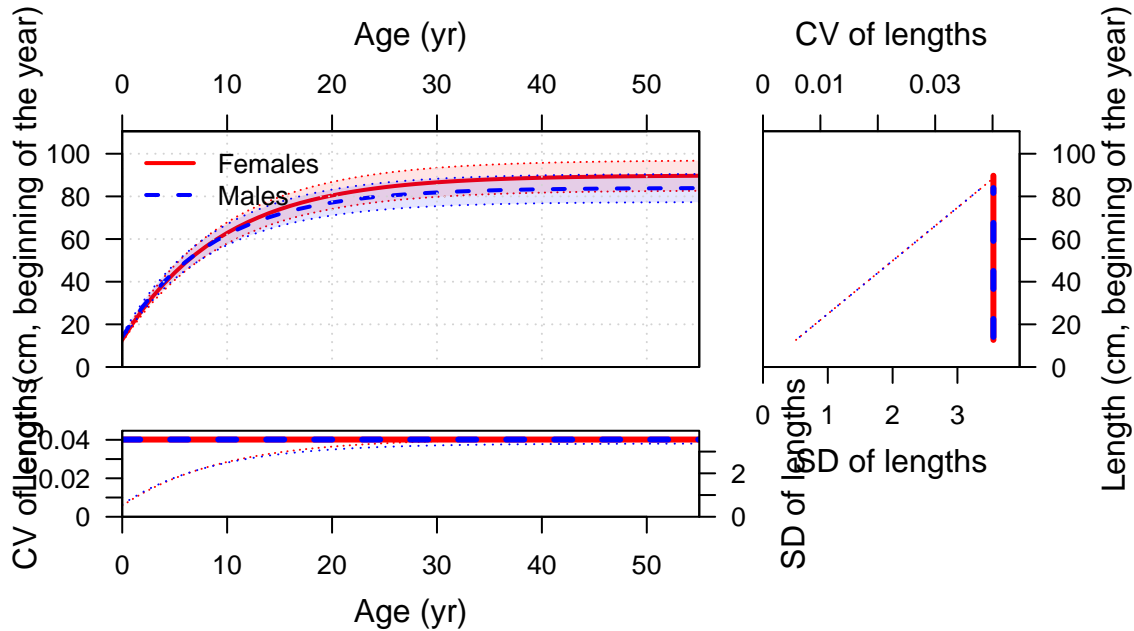
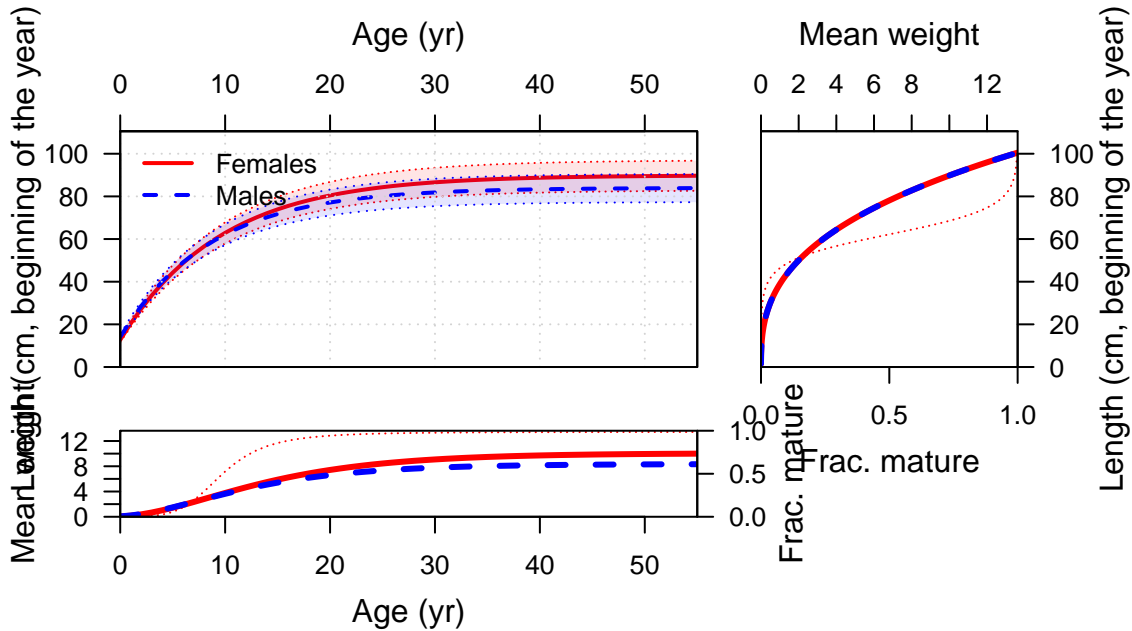


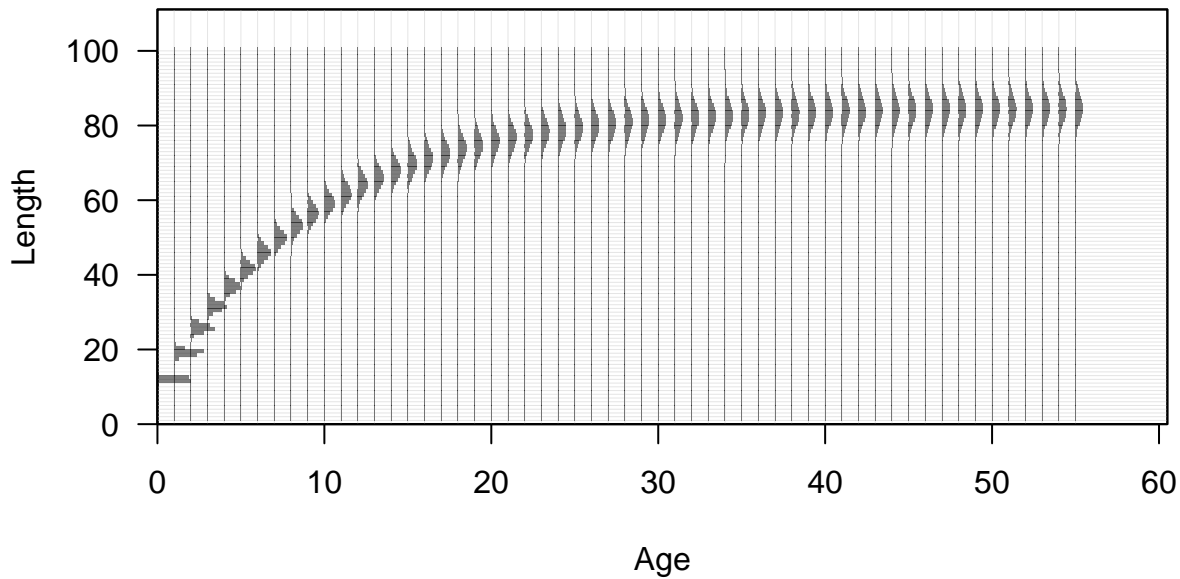
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Jan 24 12:11:37 2023  
Data\_File: data.ss  
Control\_File: control.ss

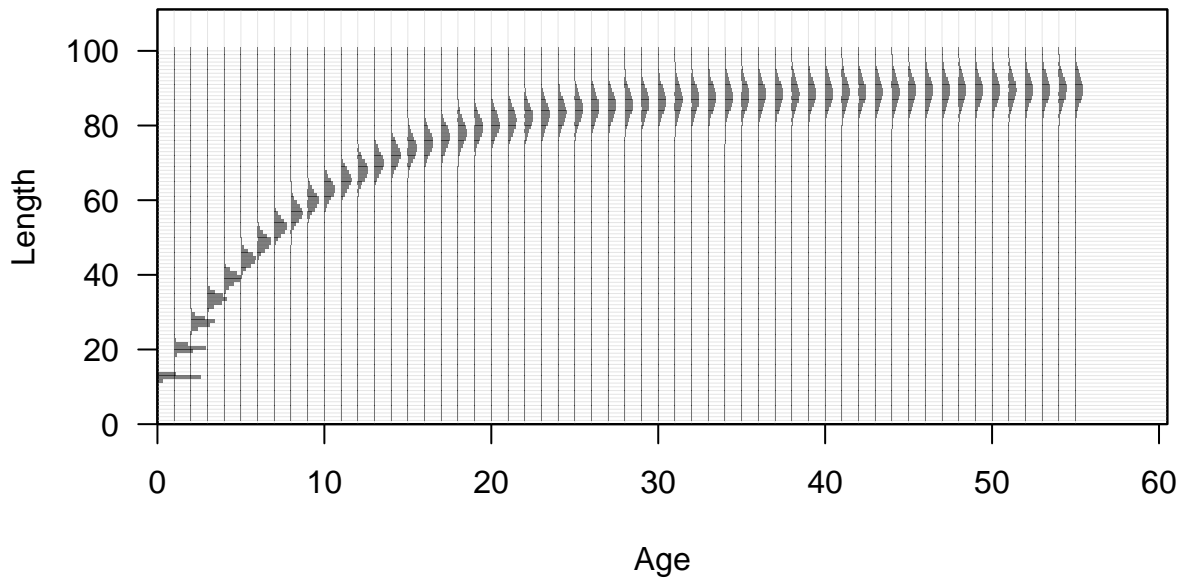
Length (cm, beginning of the year)

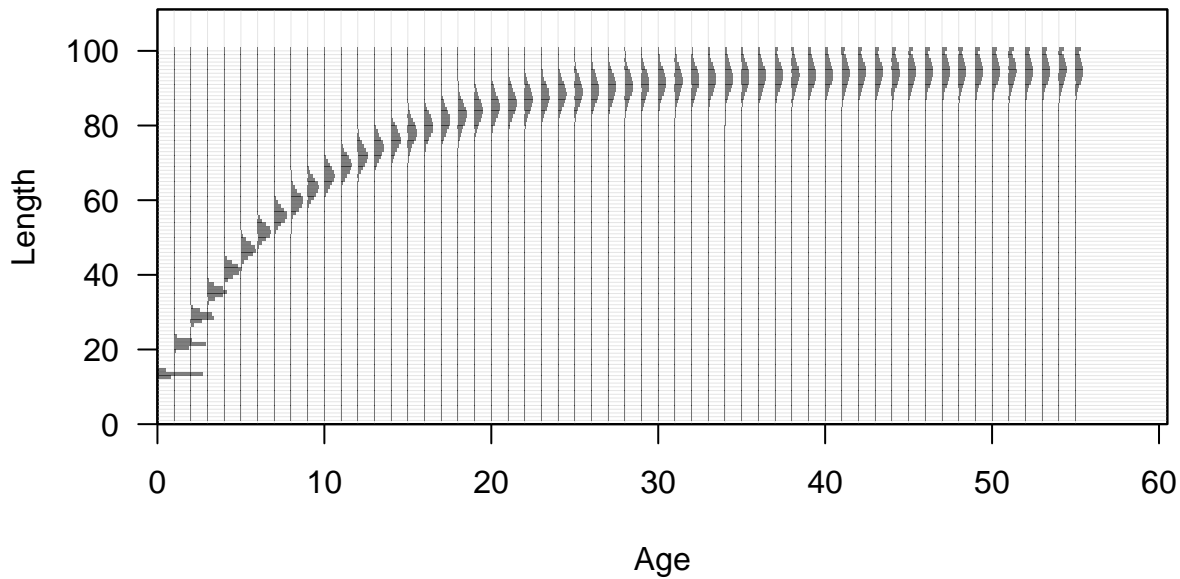


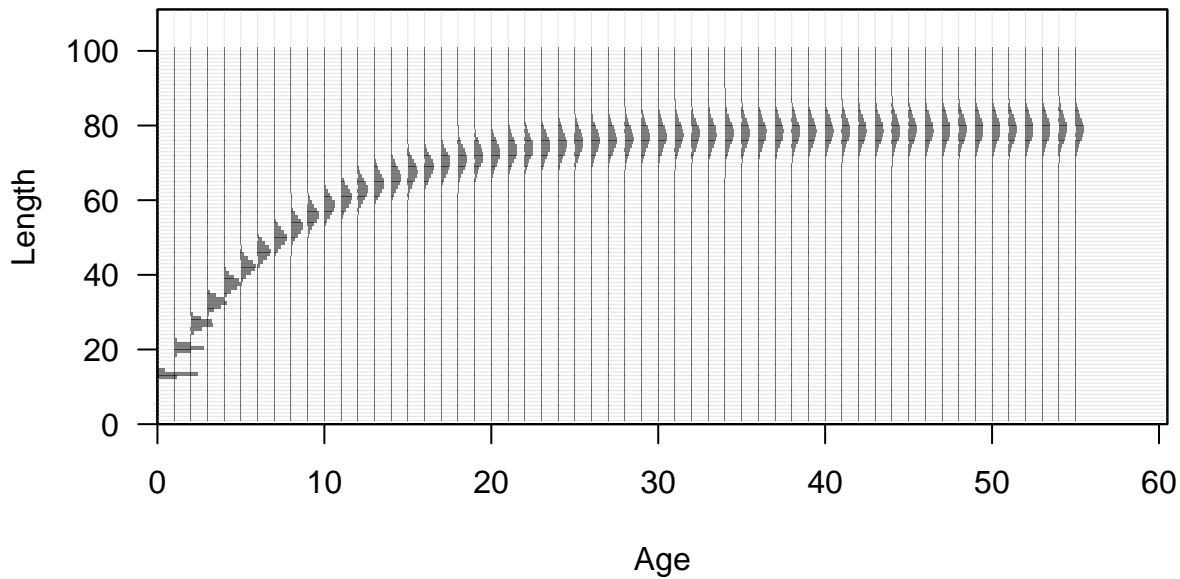




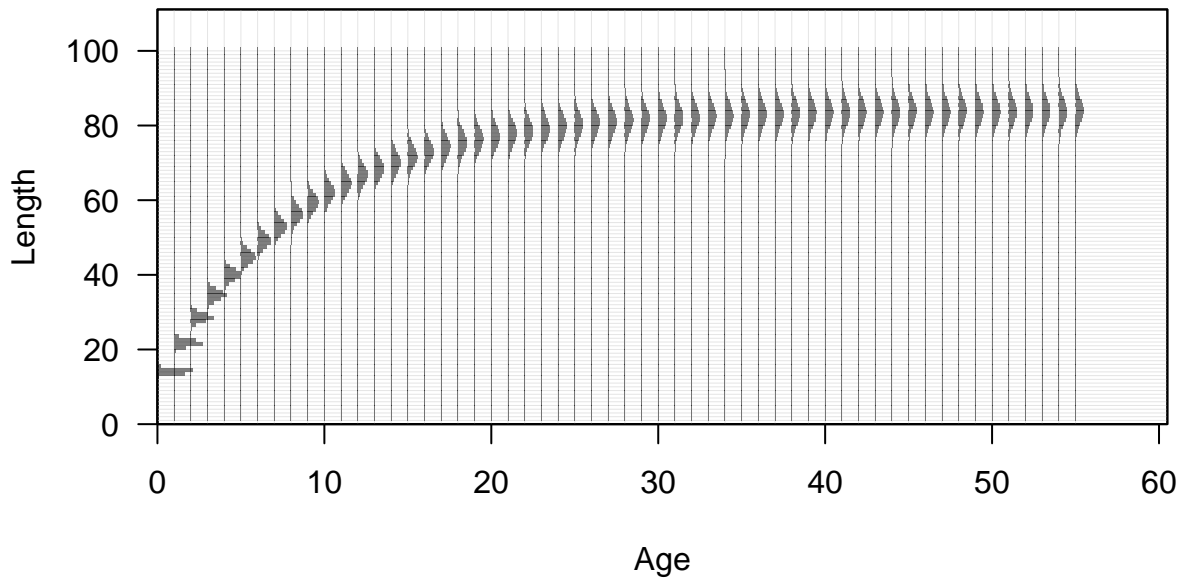


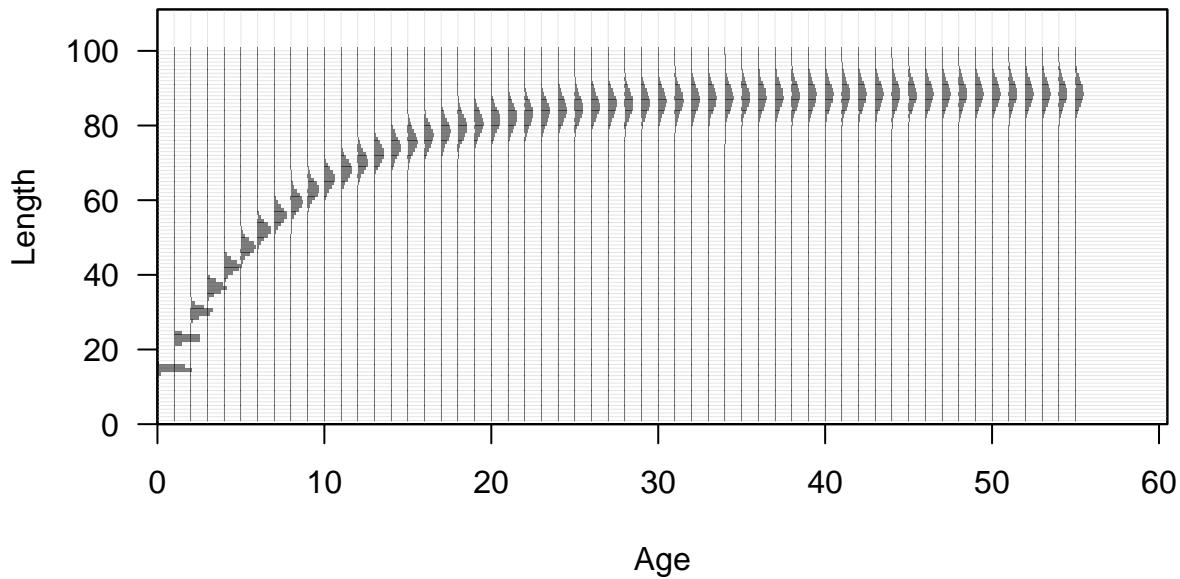


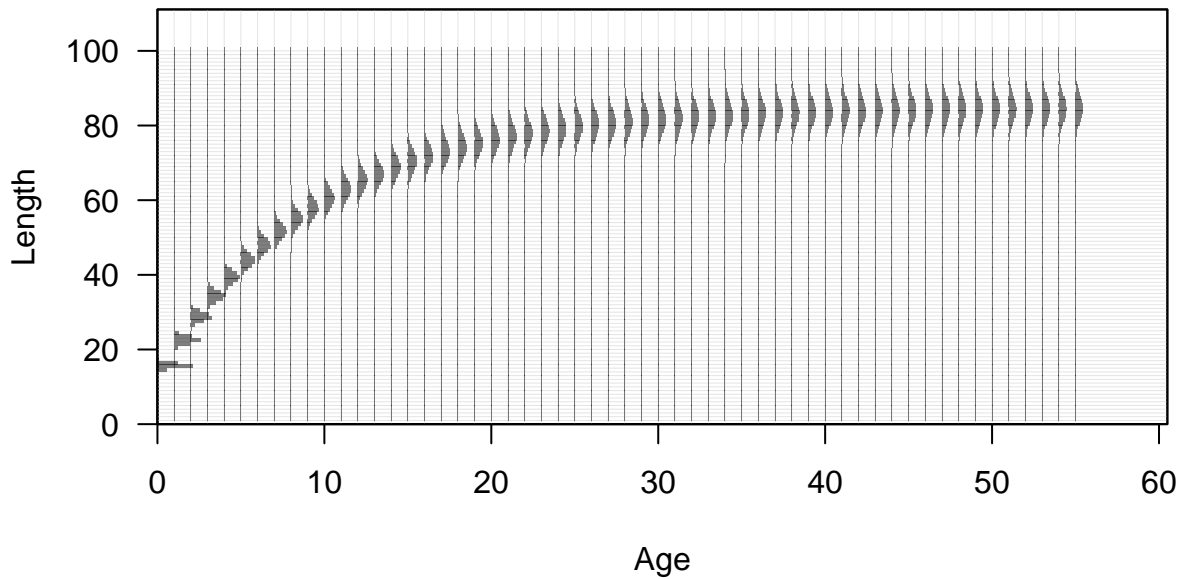


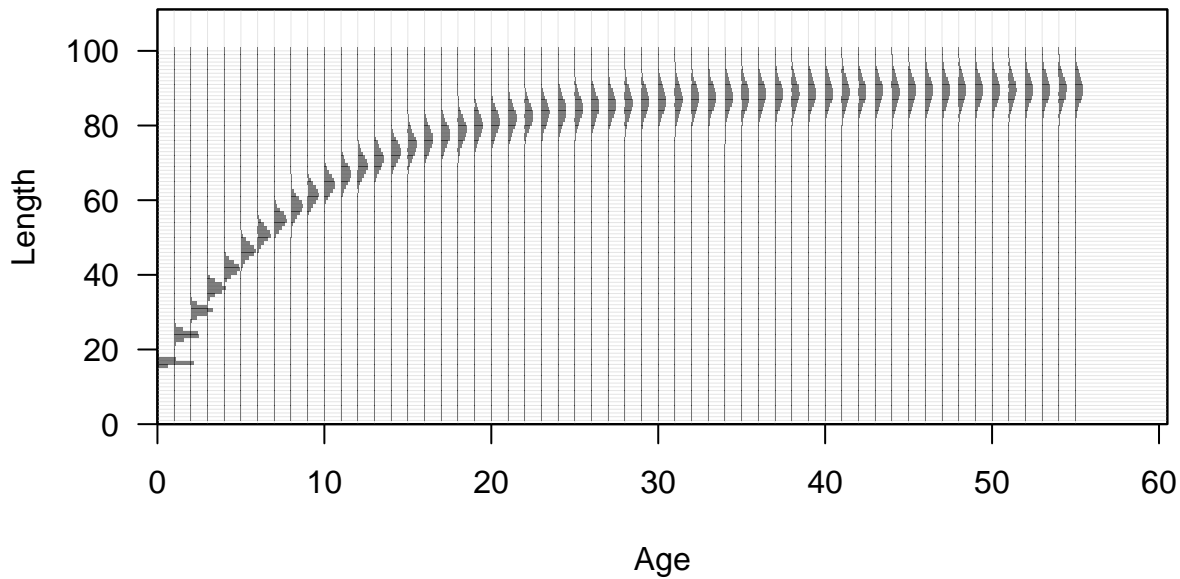


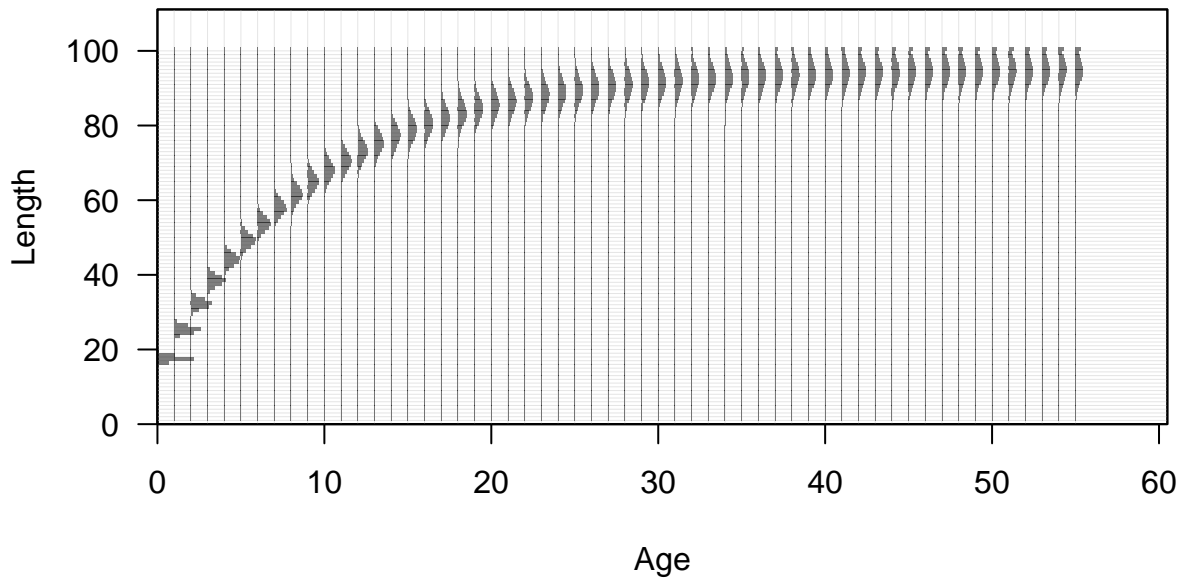


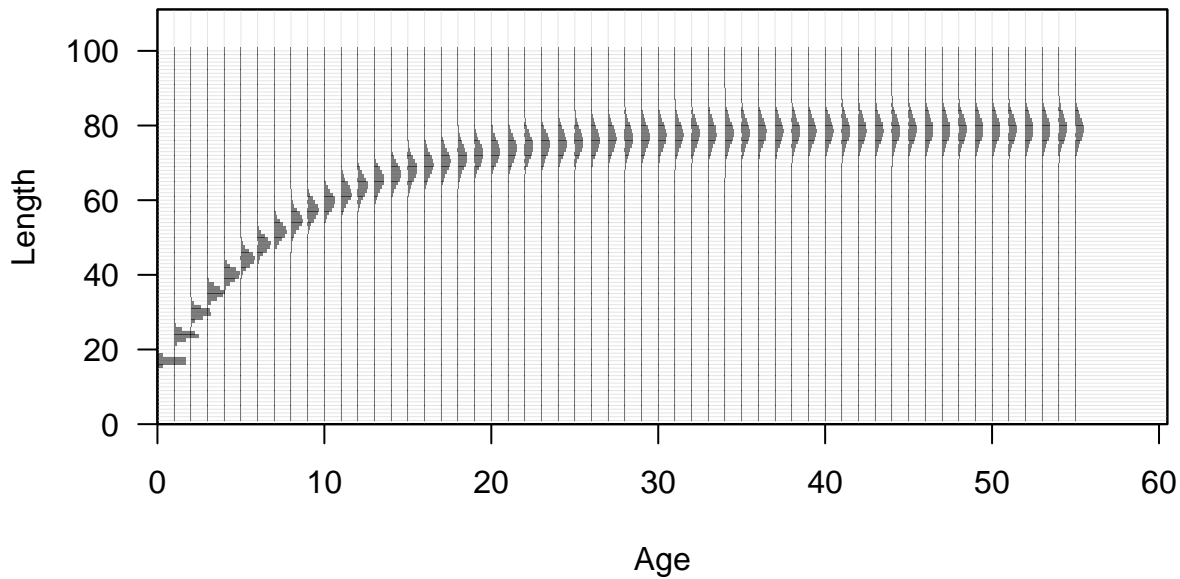


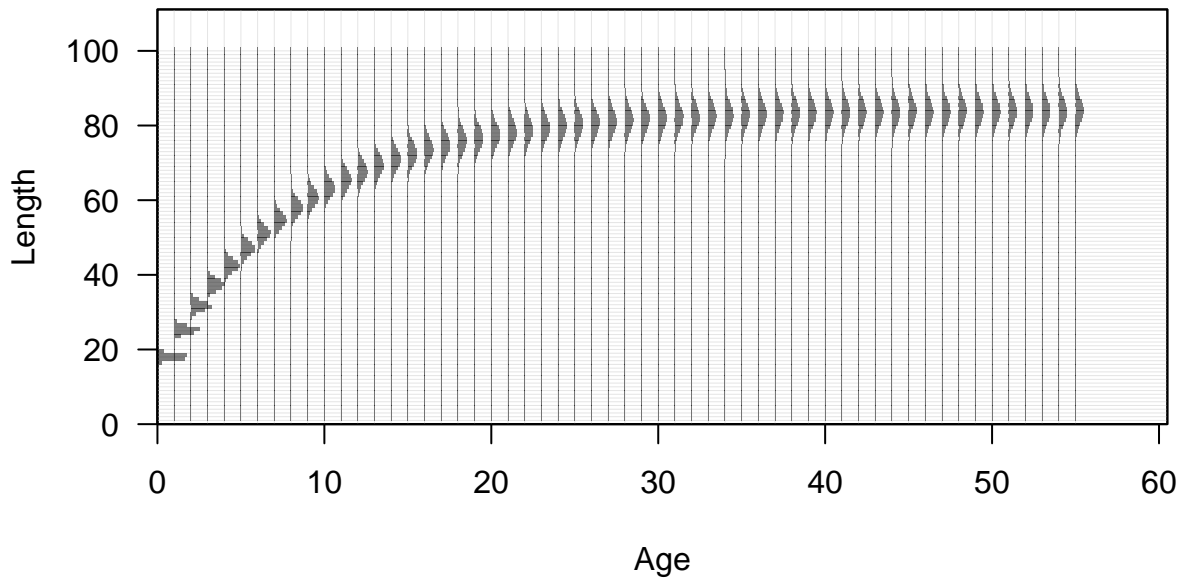


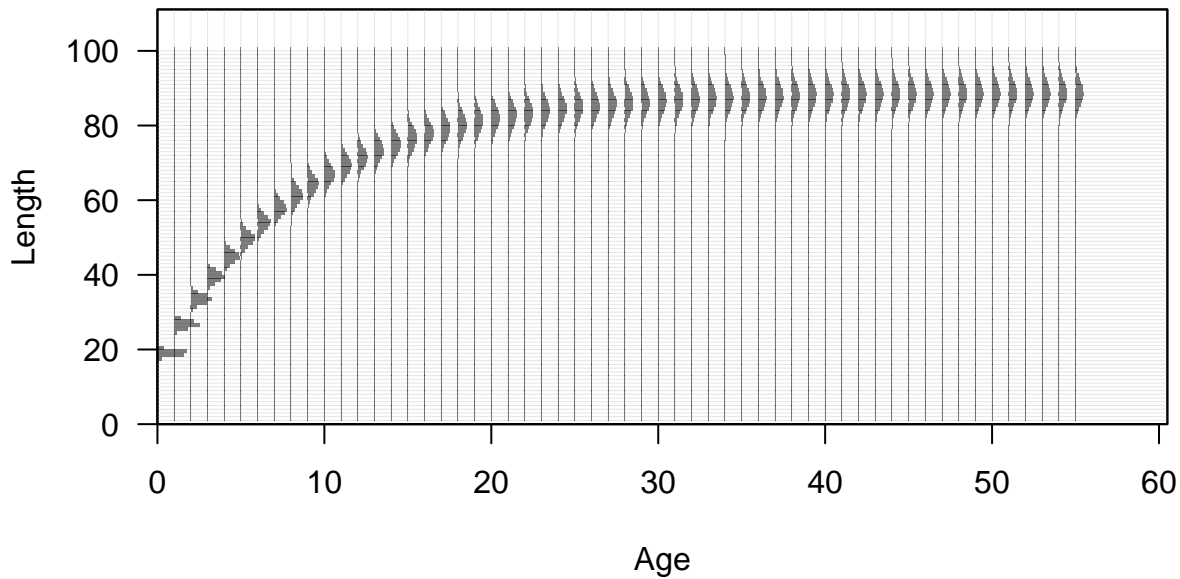




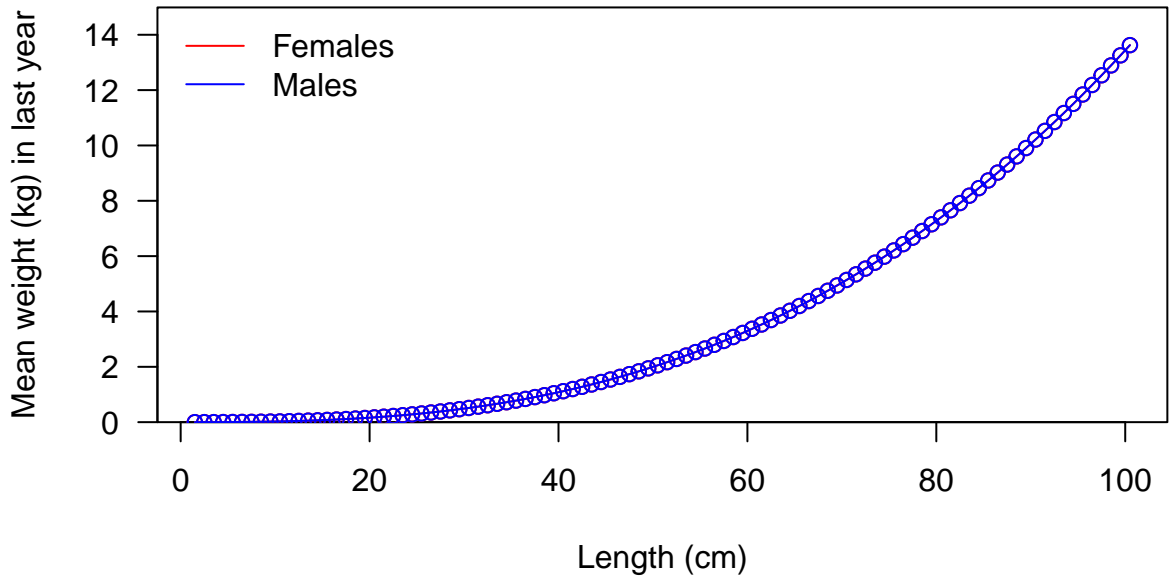


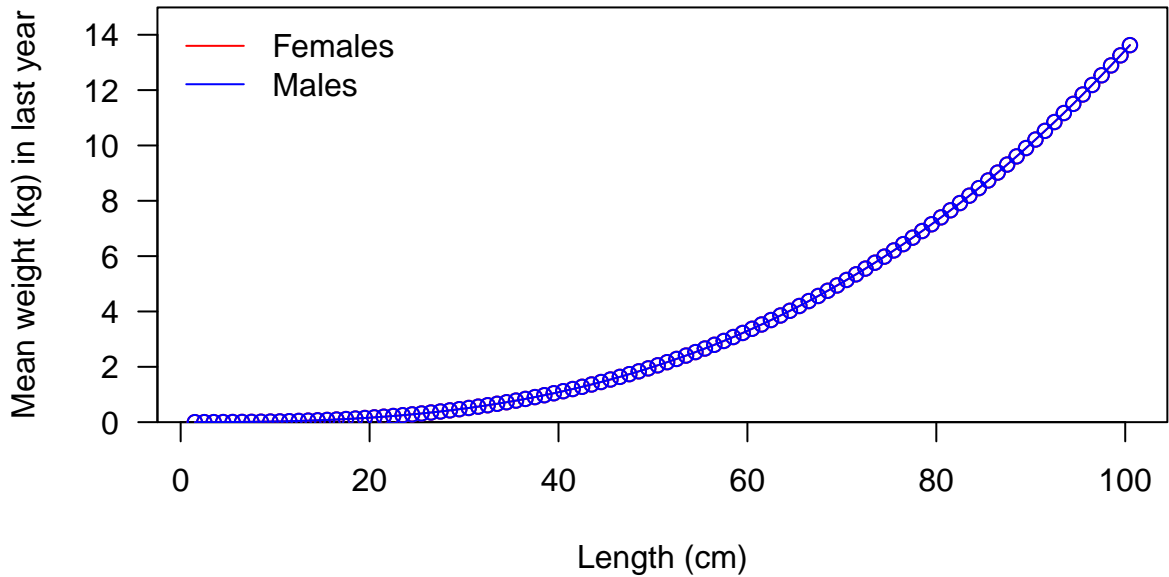


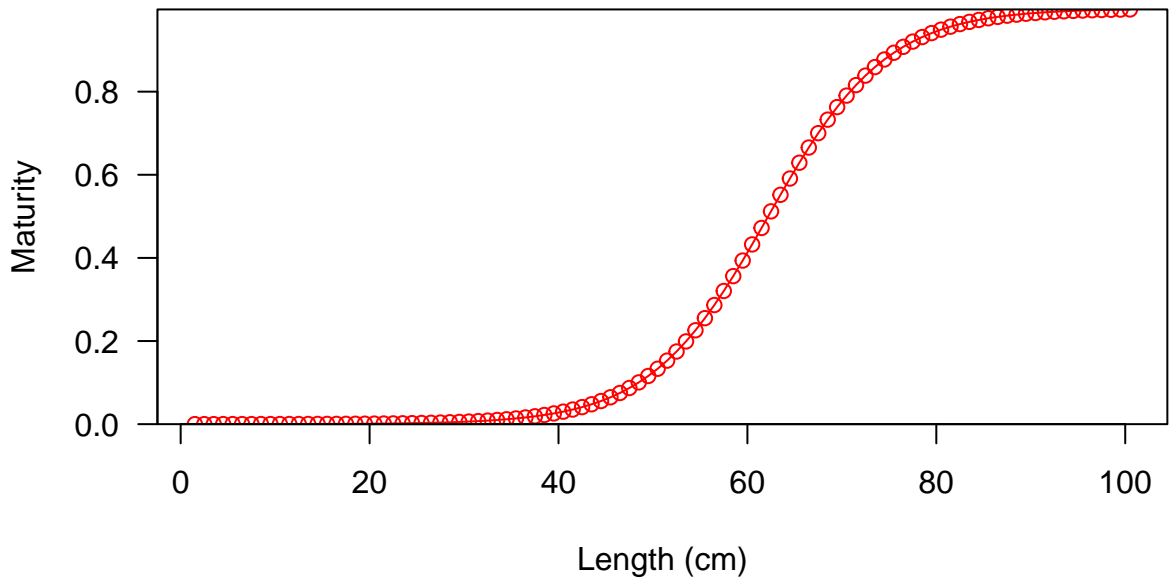


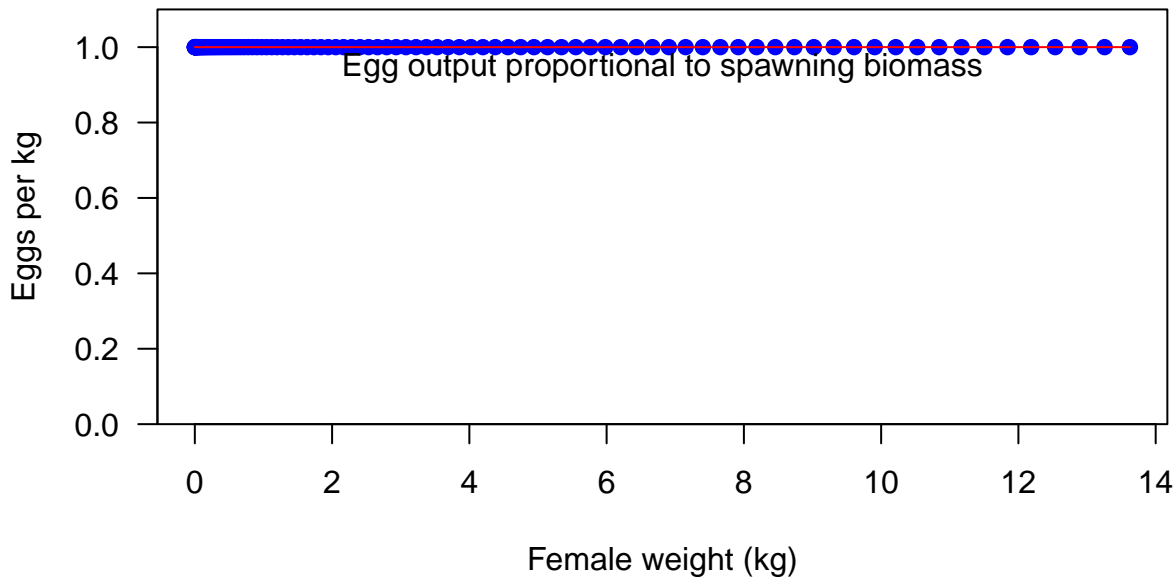




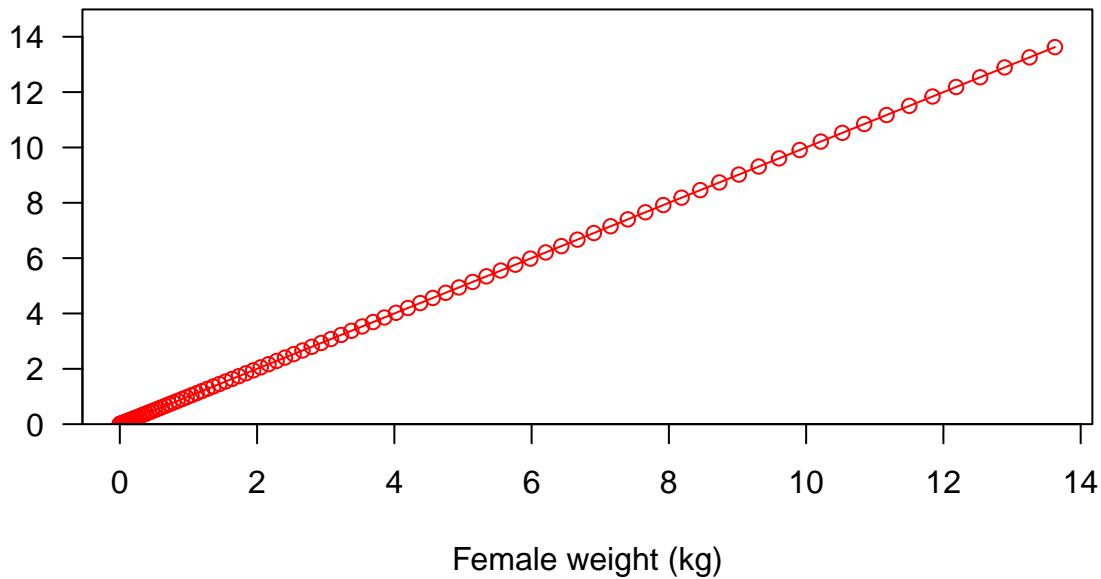




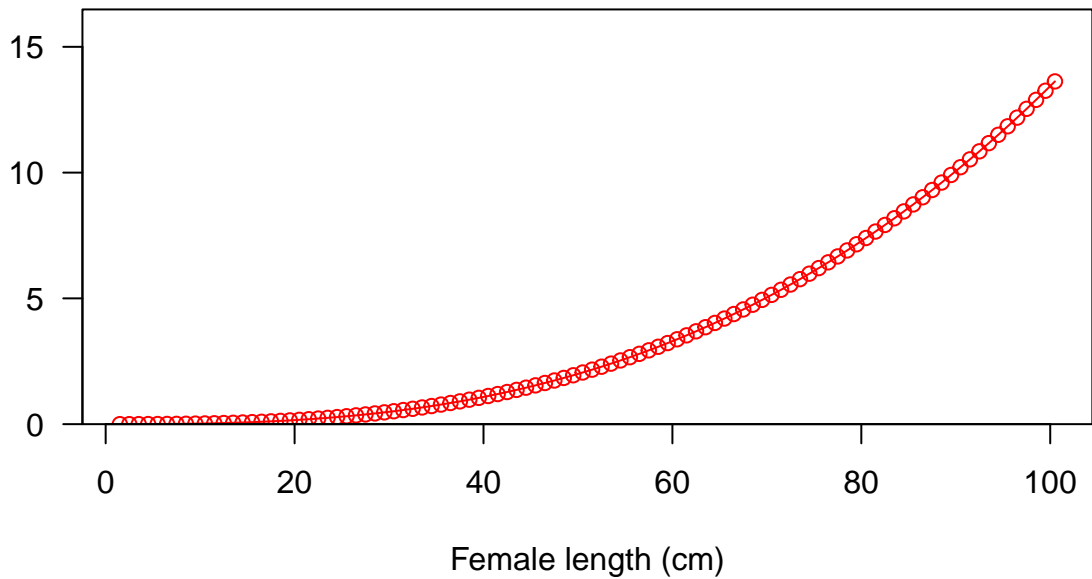




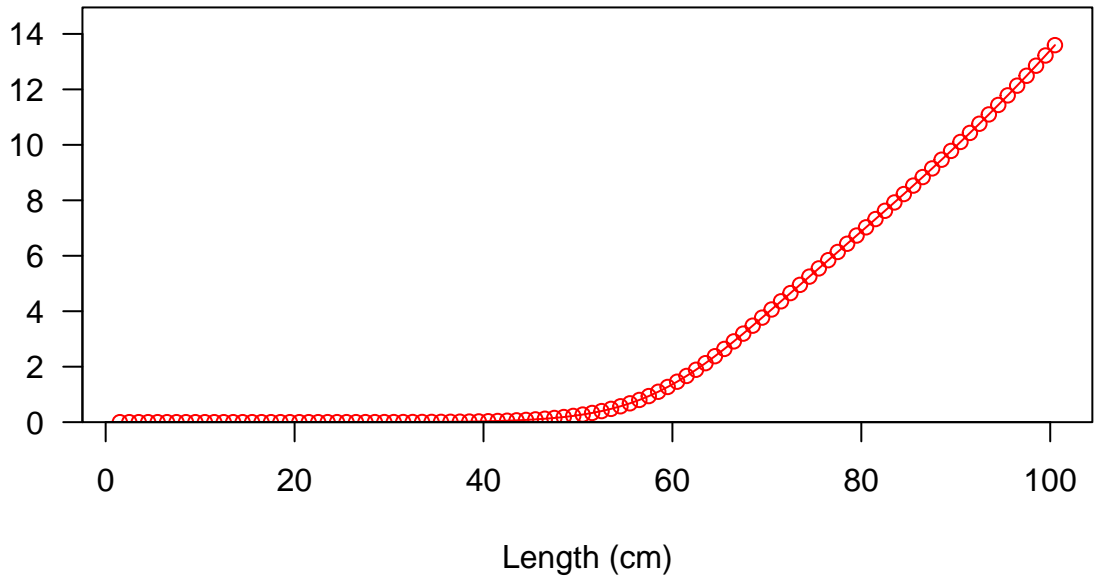
Fecundity



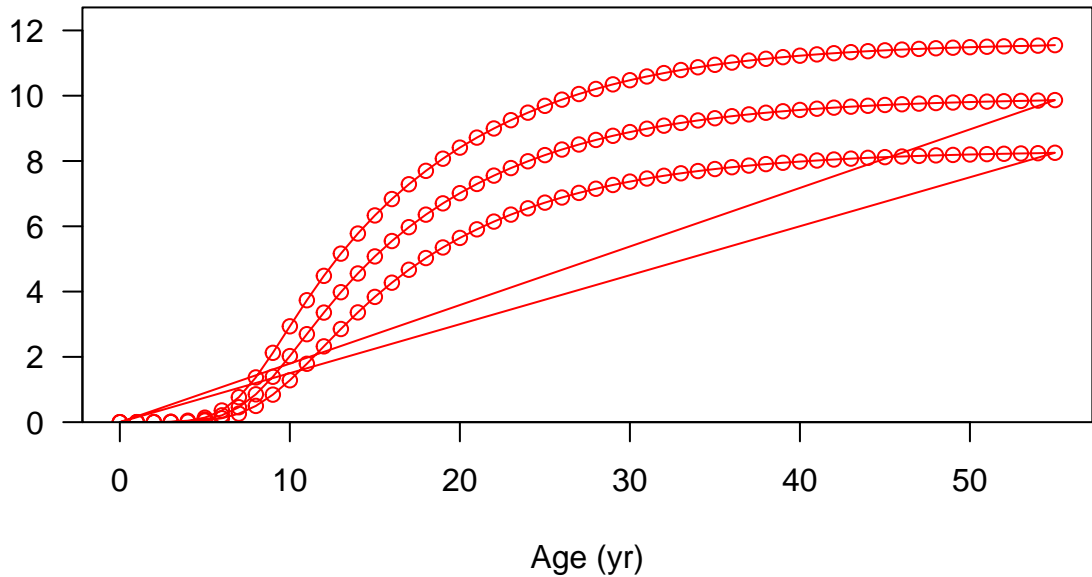
Fecundity



Spawning output

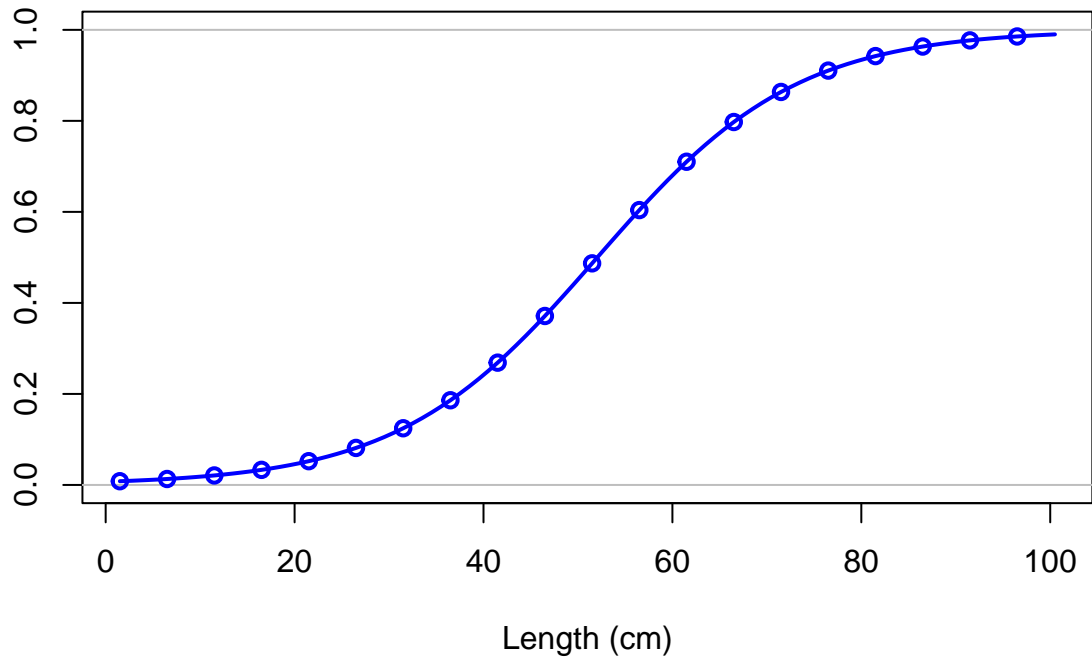


Spawning output

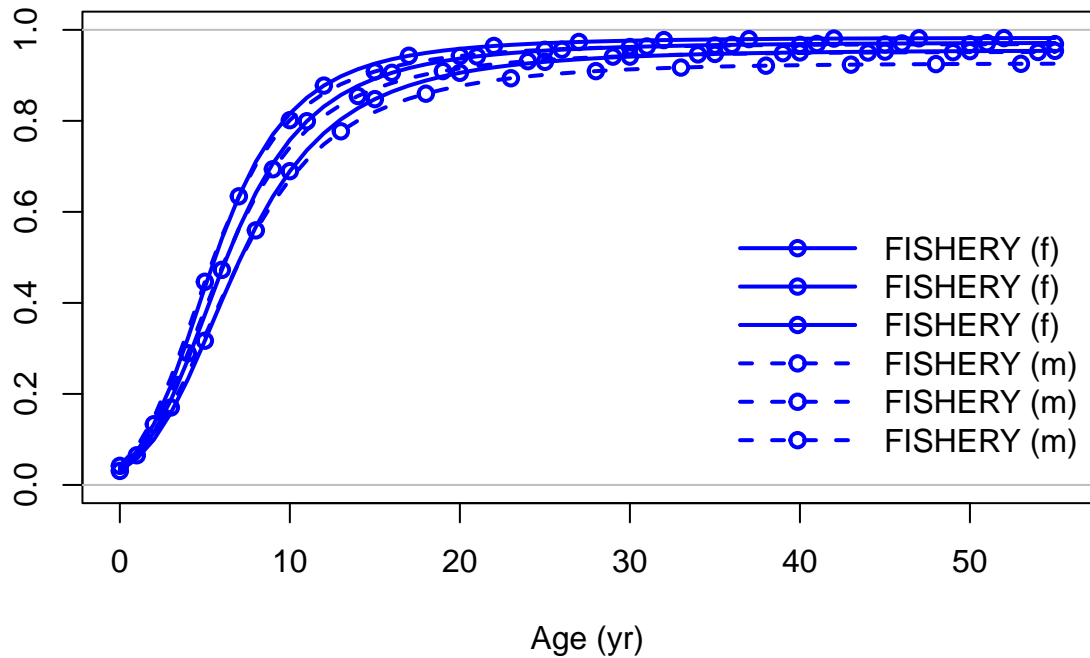




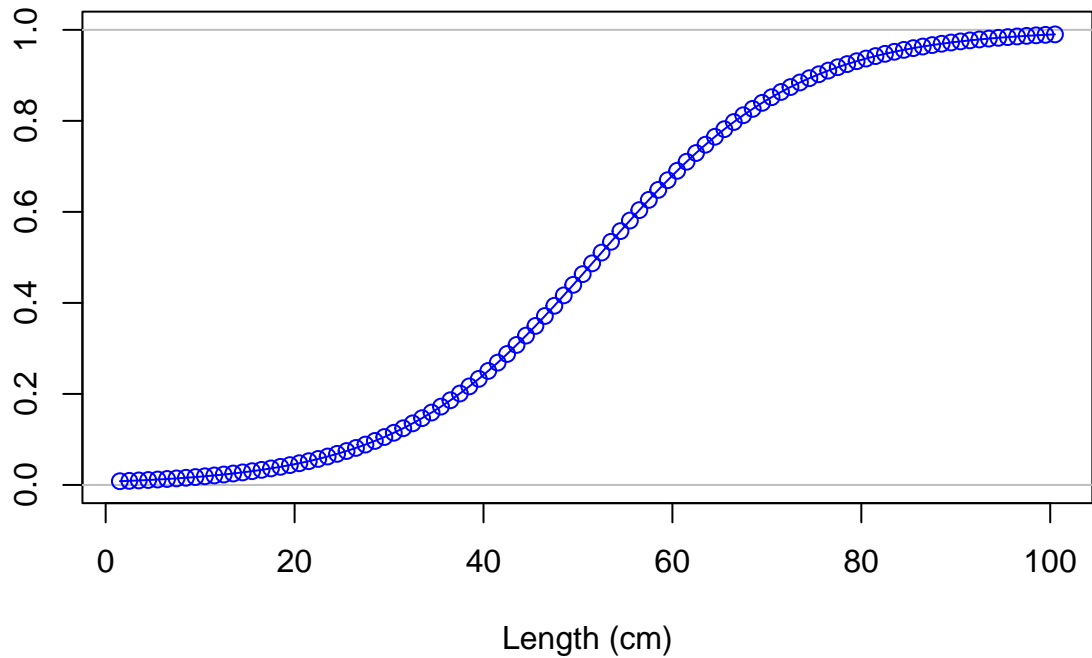
Selectivity



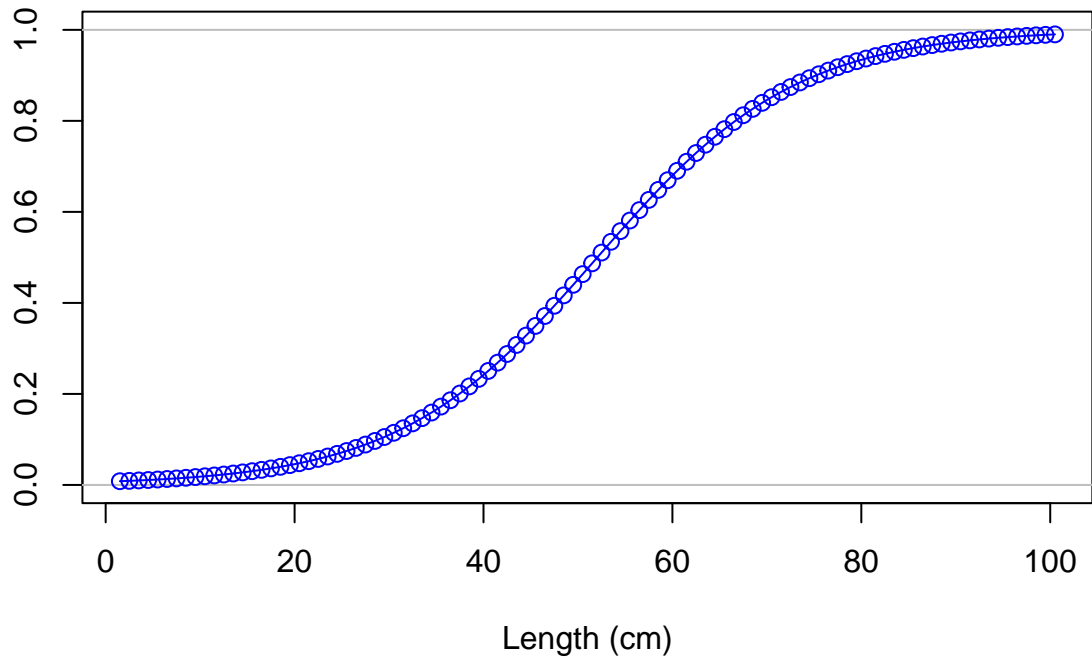
Selectivity

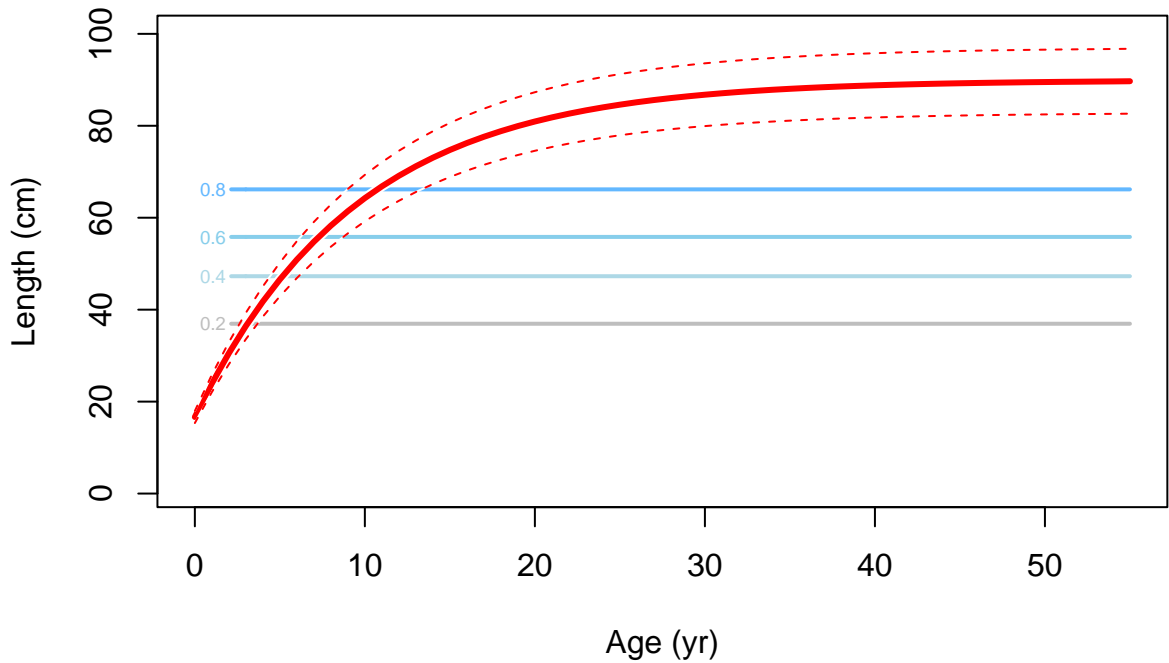


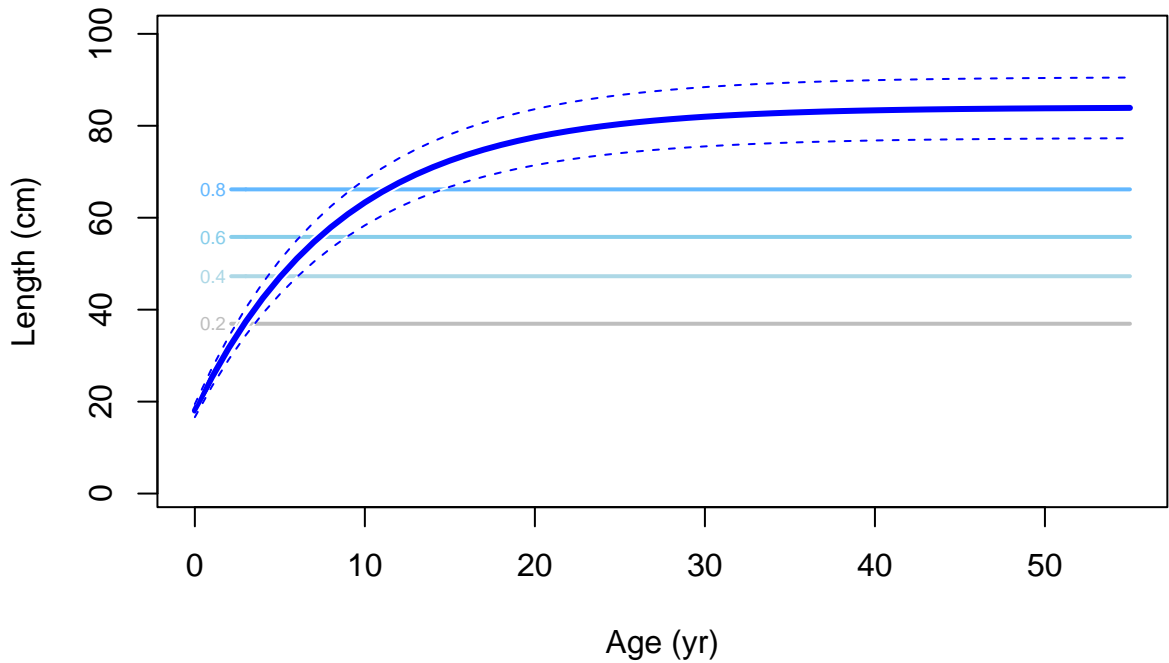
Selectivity

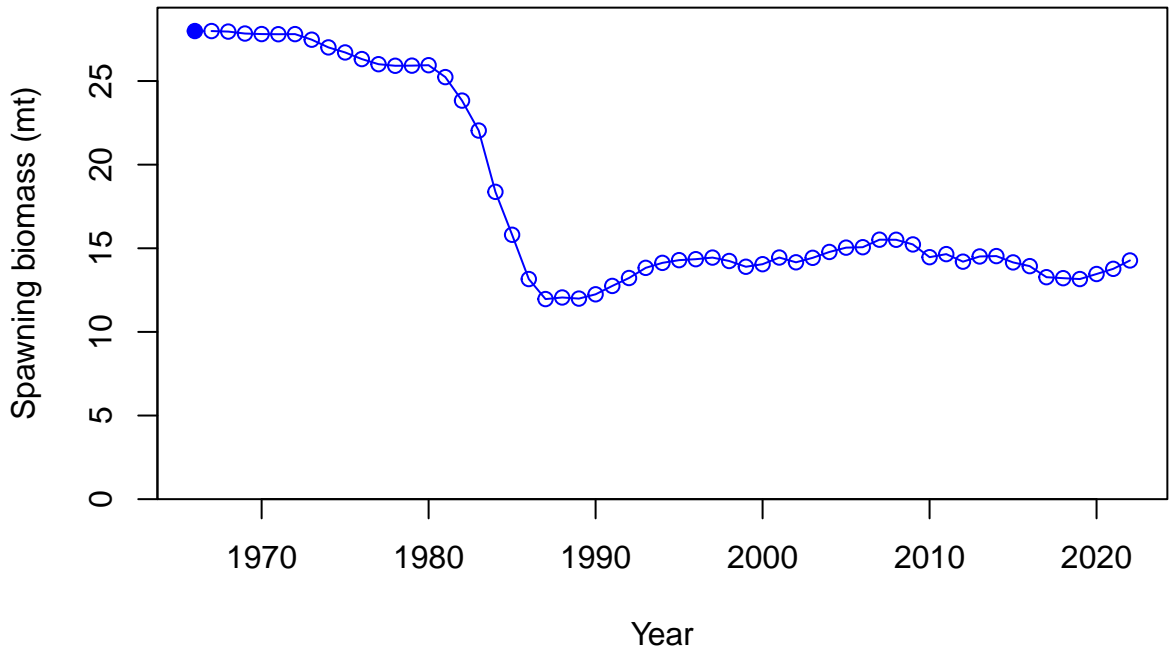


Selectivity

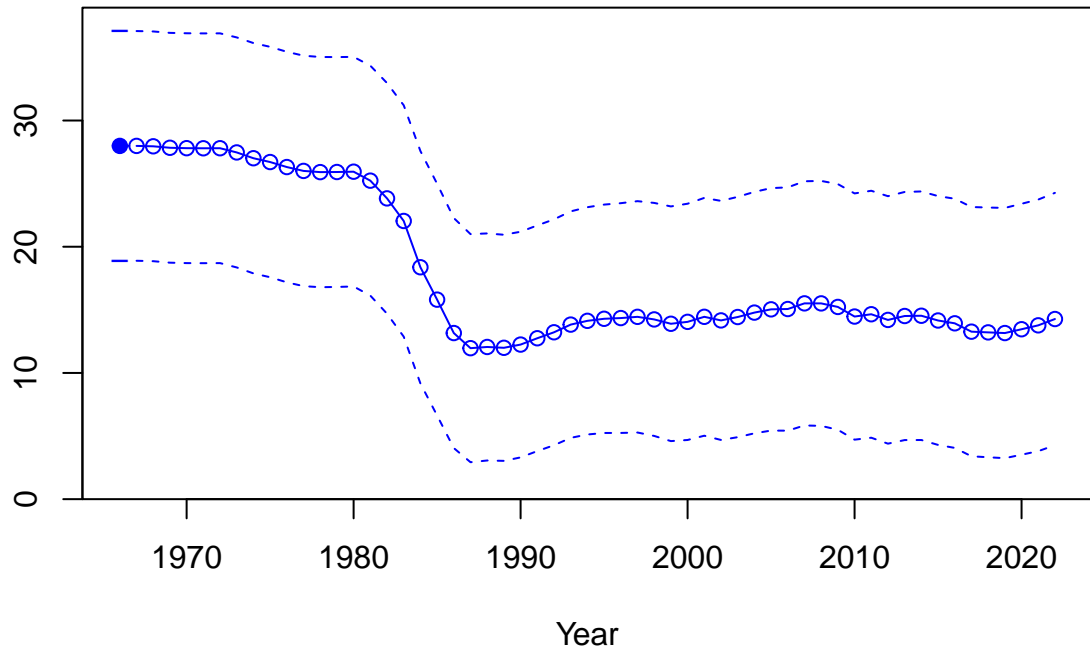






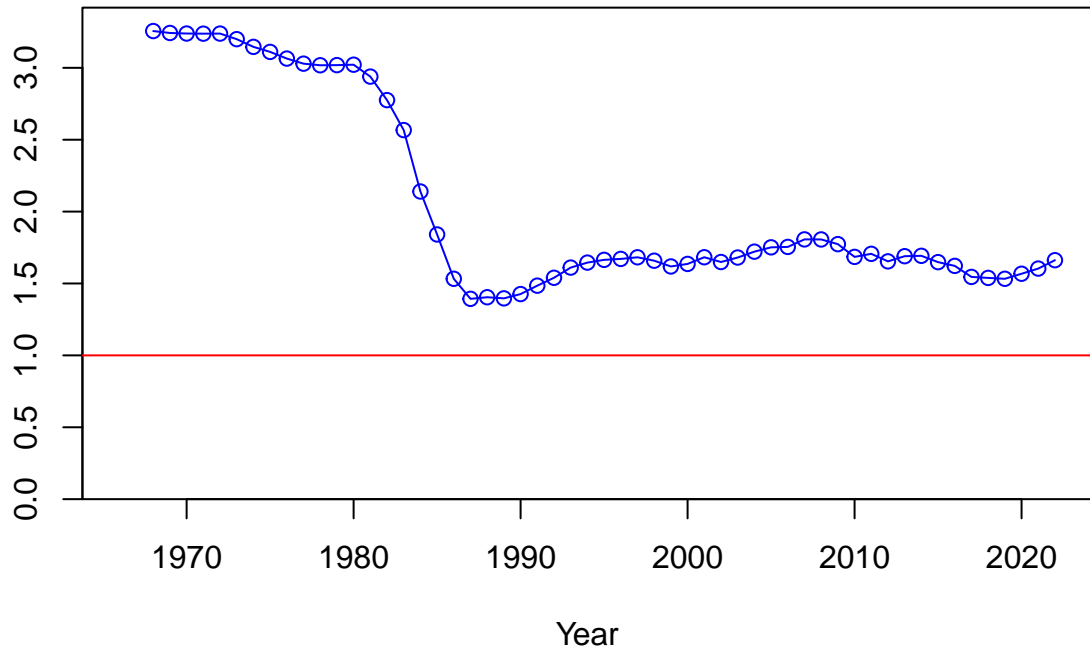


Spawning biomass (mt)

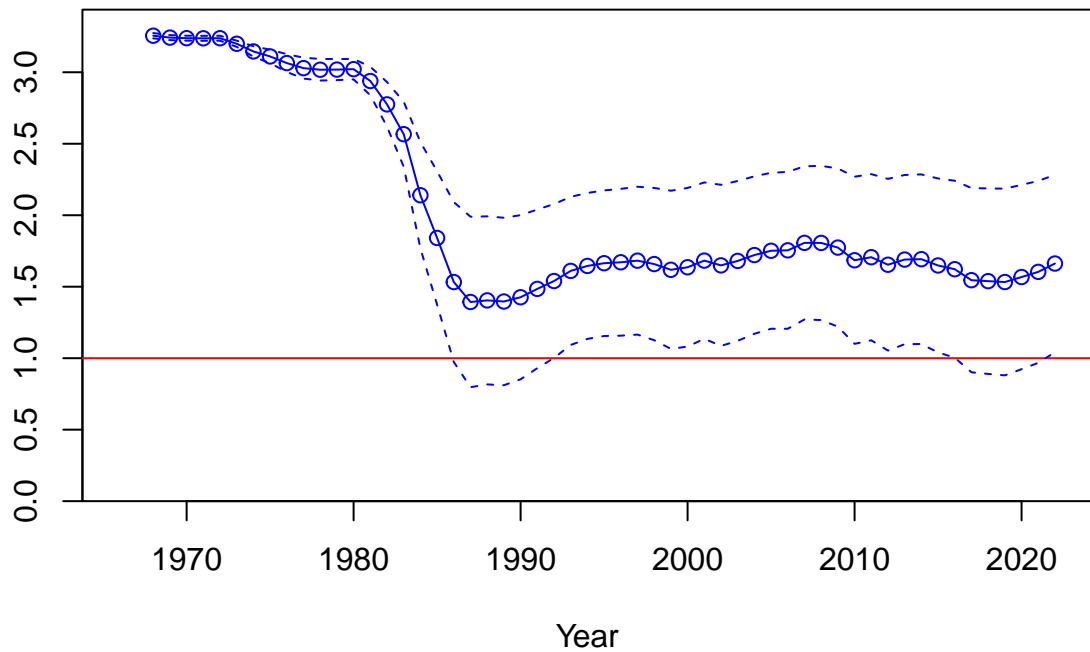


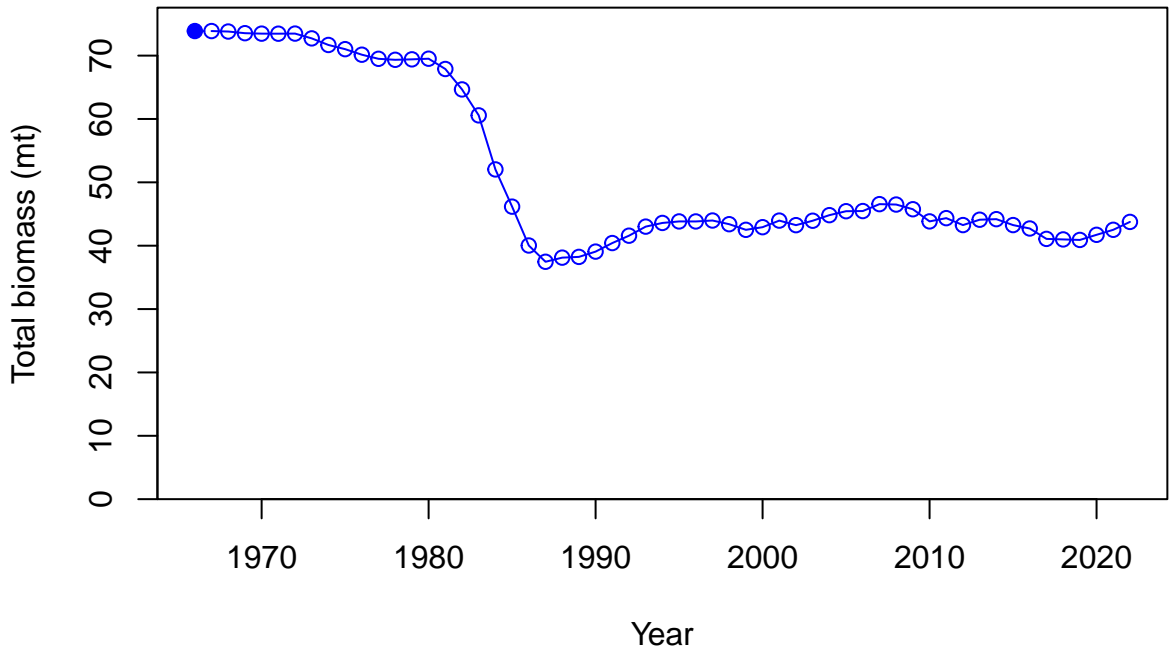


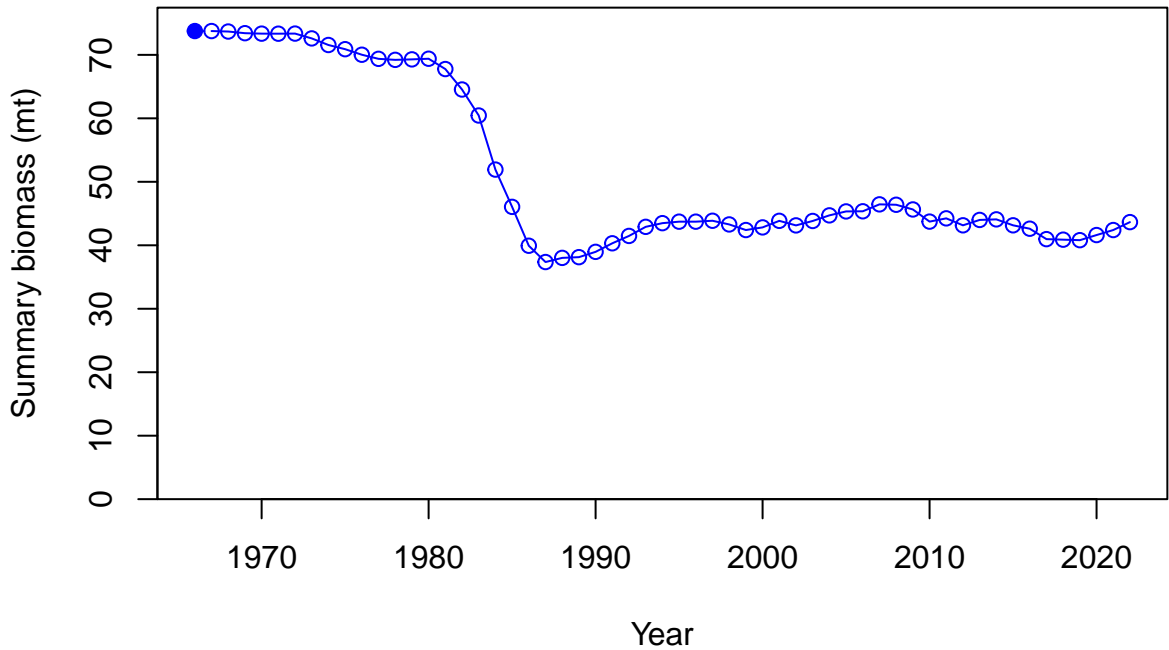
Relative spawning biomass:  $B/B_{MSY}$

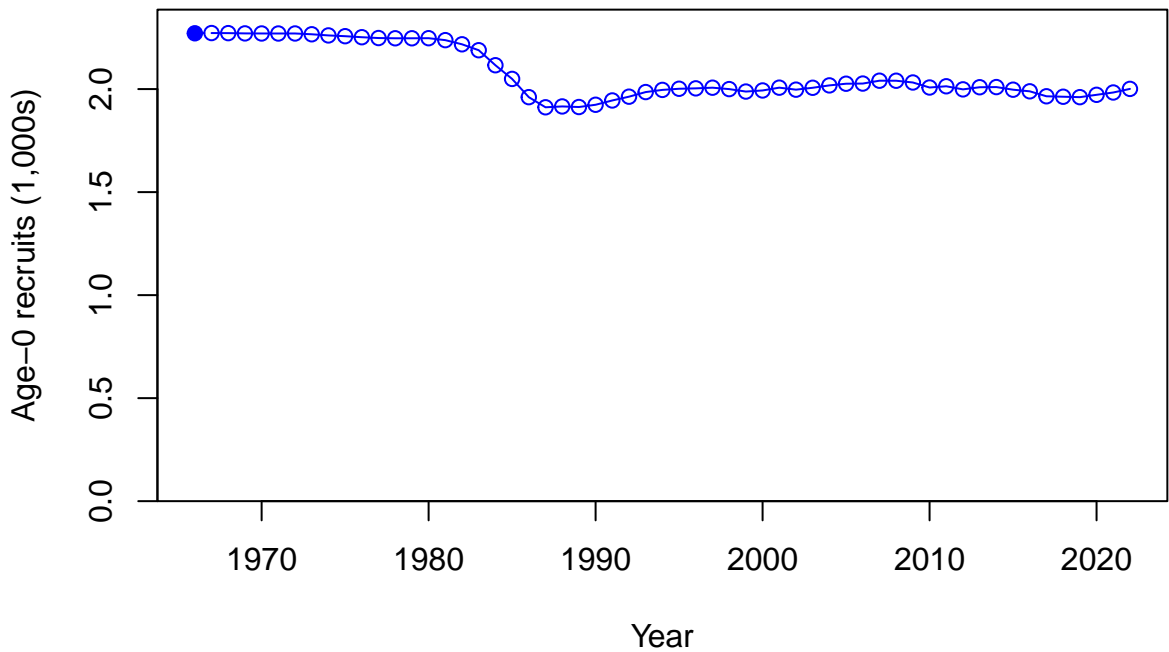


Relative spawning biomass:  $B/B_{MSY}$

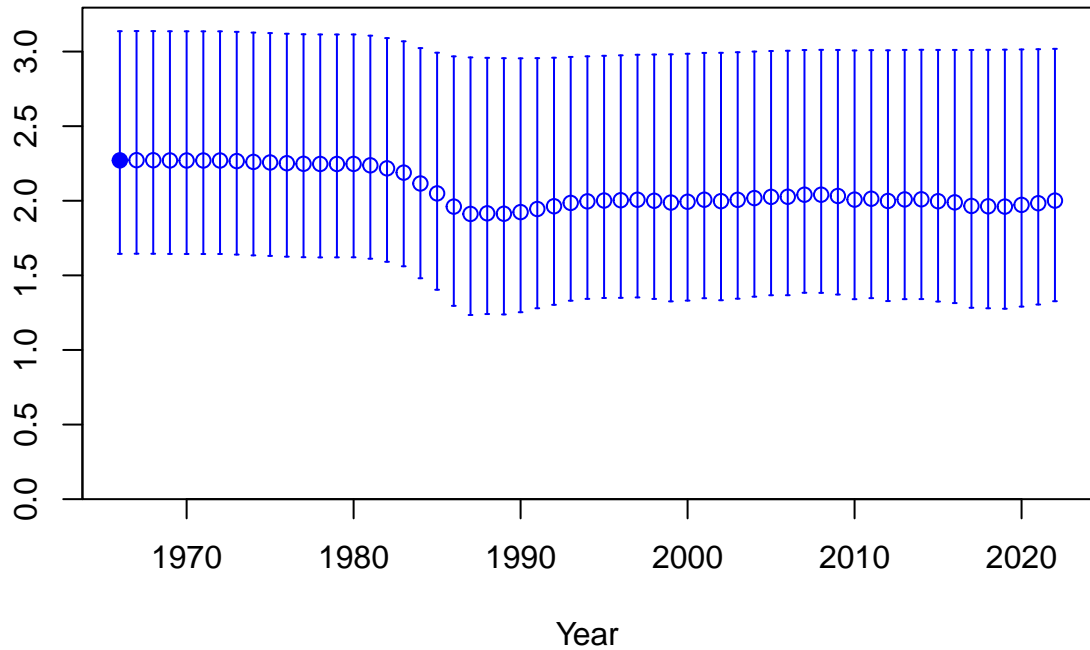




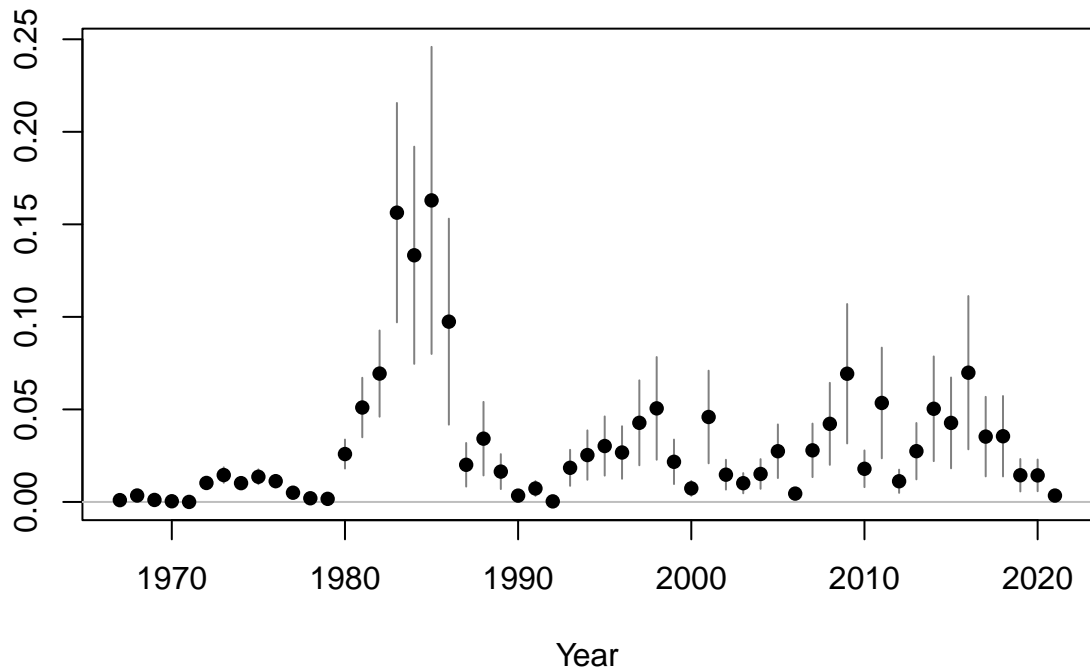


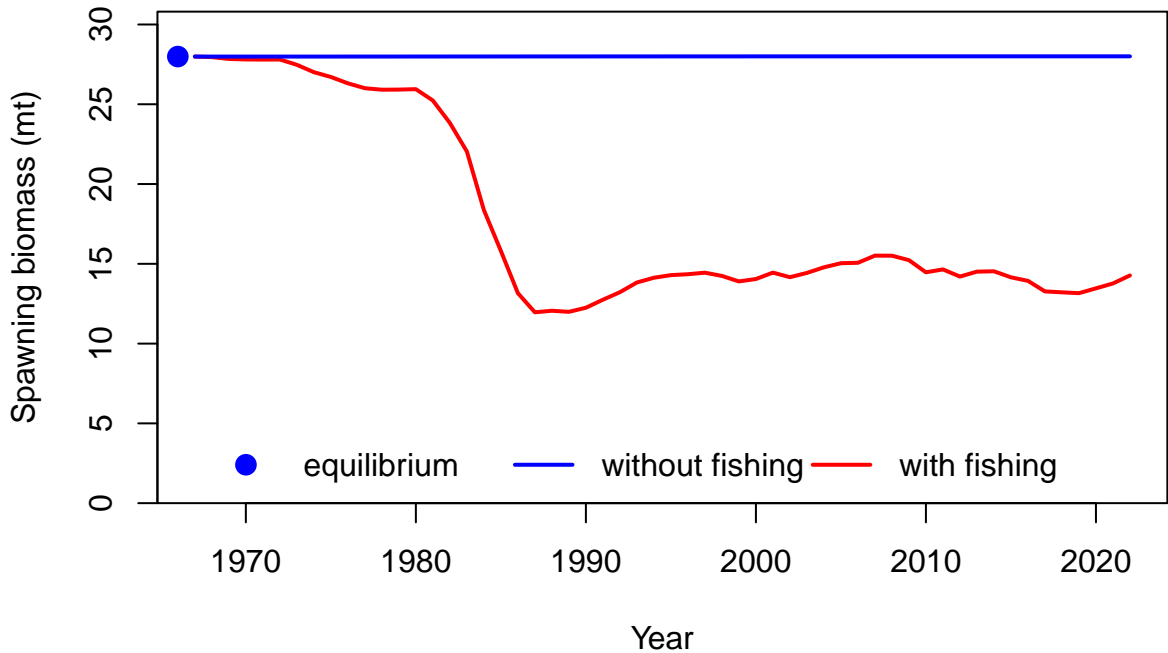


Age-0 recruits (1,000s)

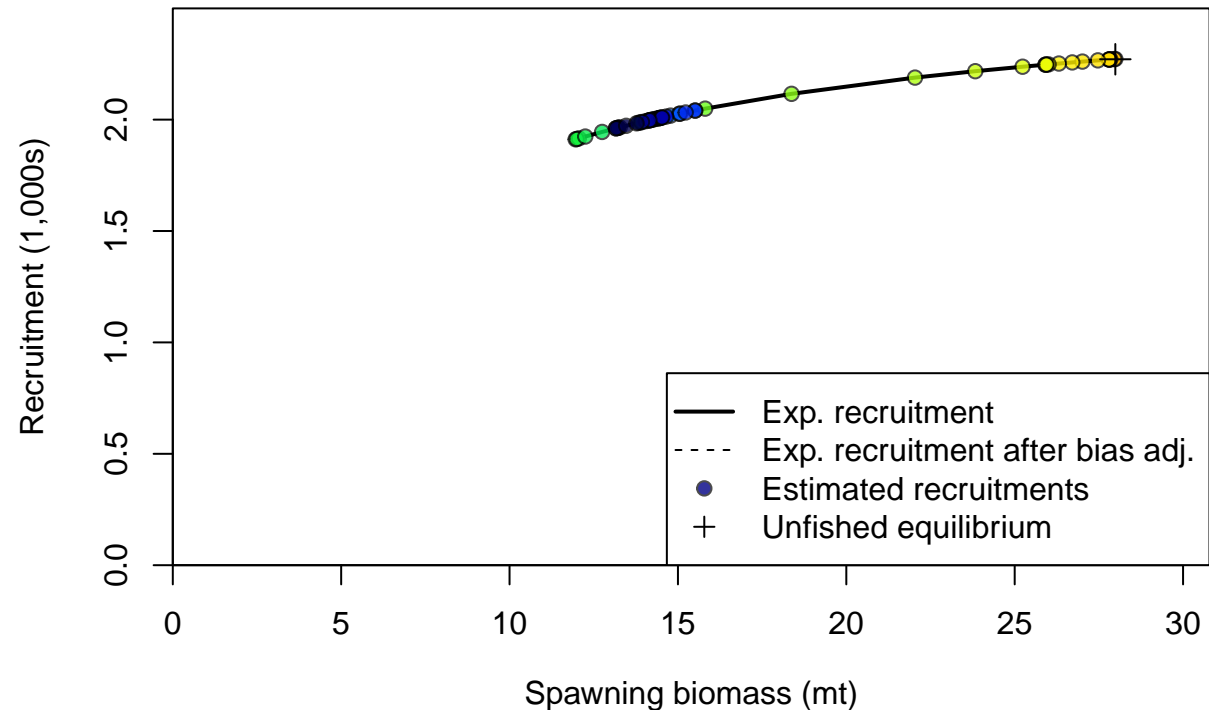


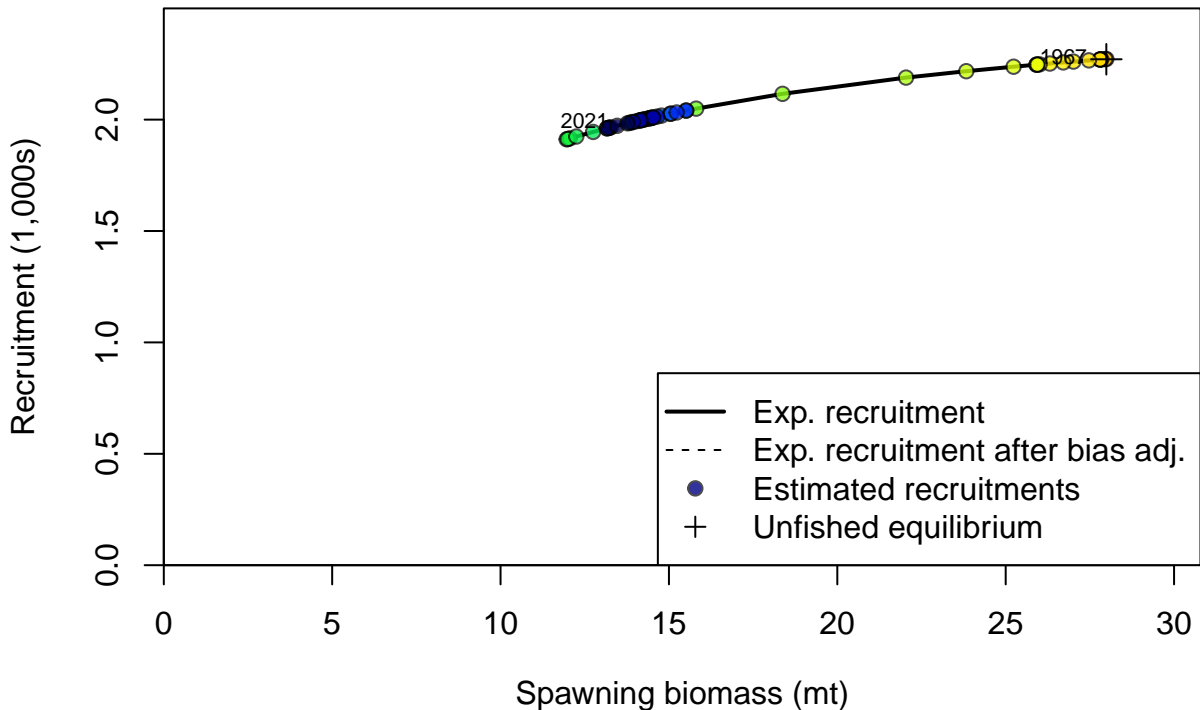
Summary Fishing Mortality

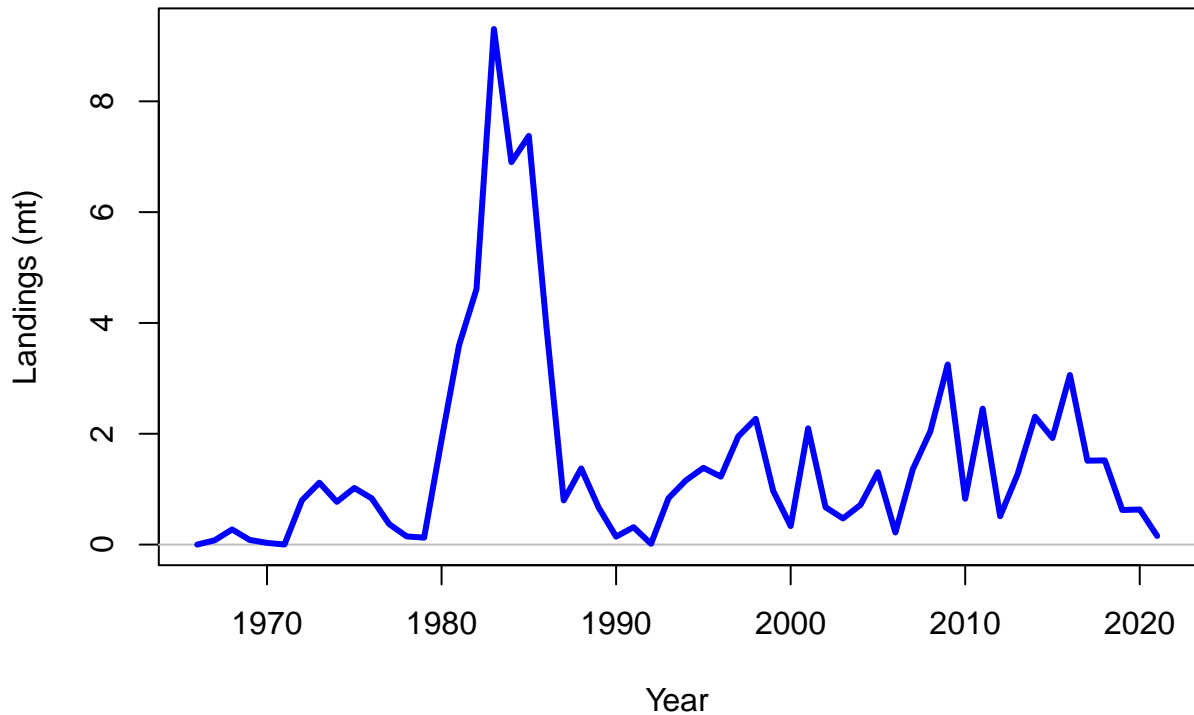




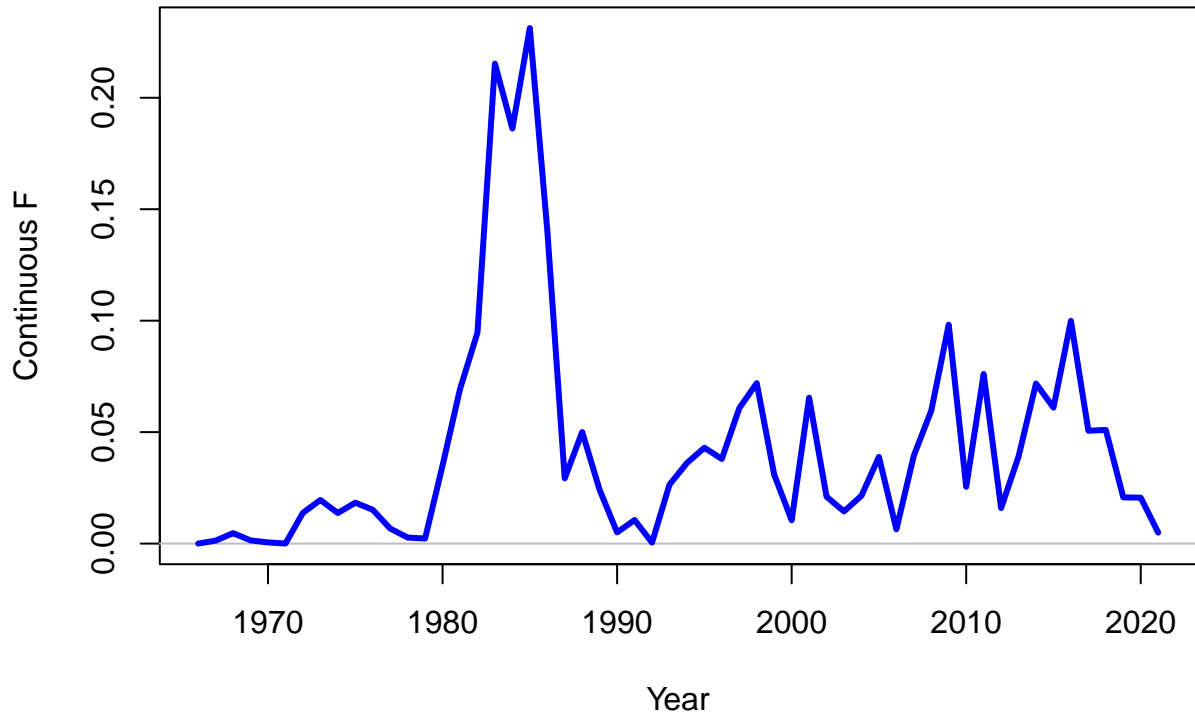




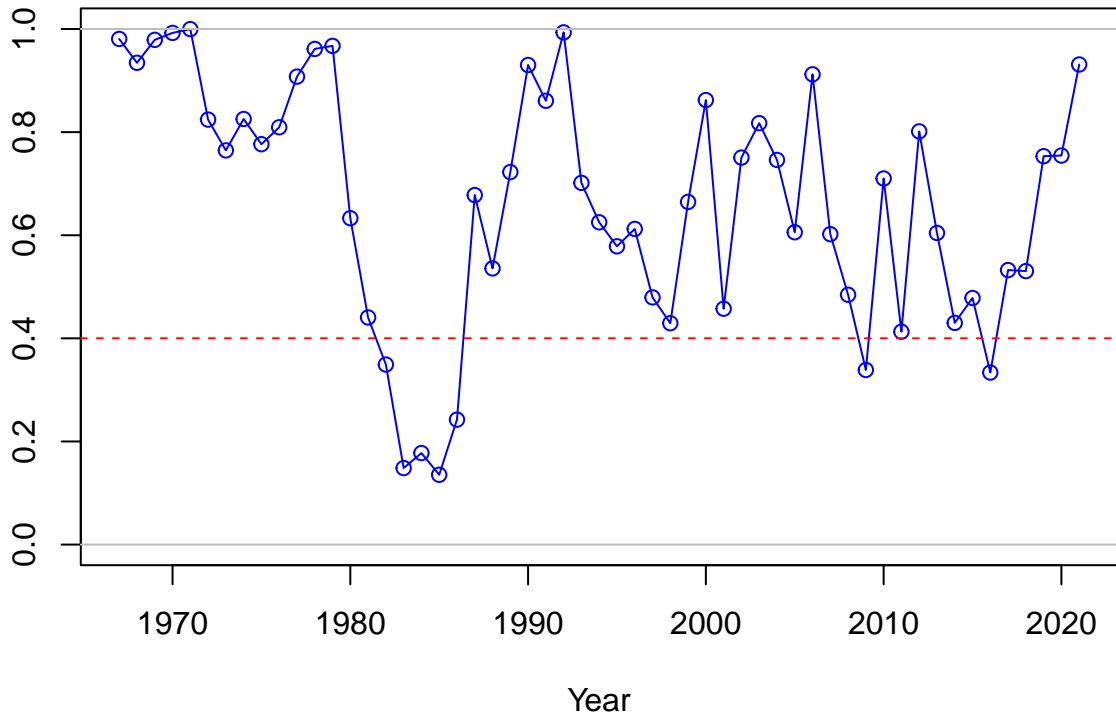


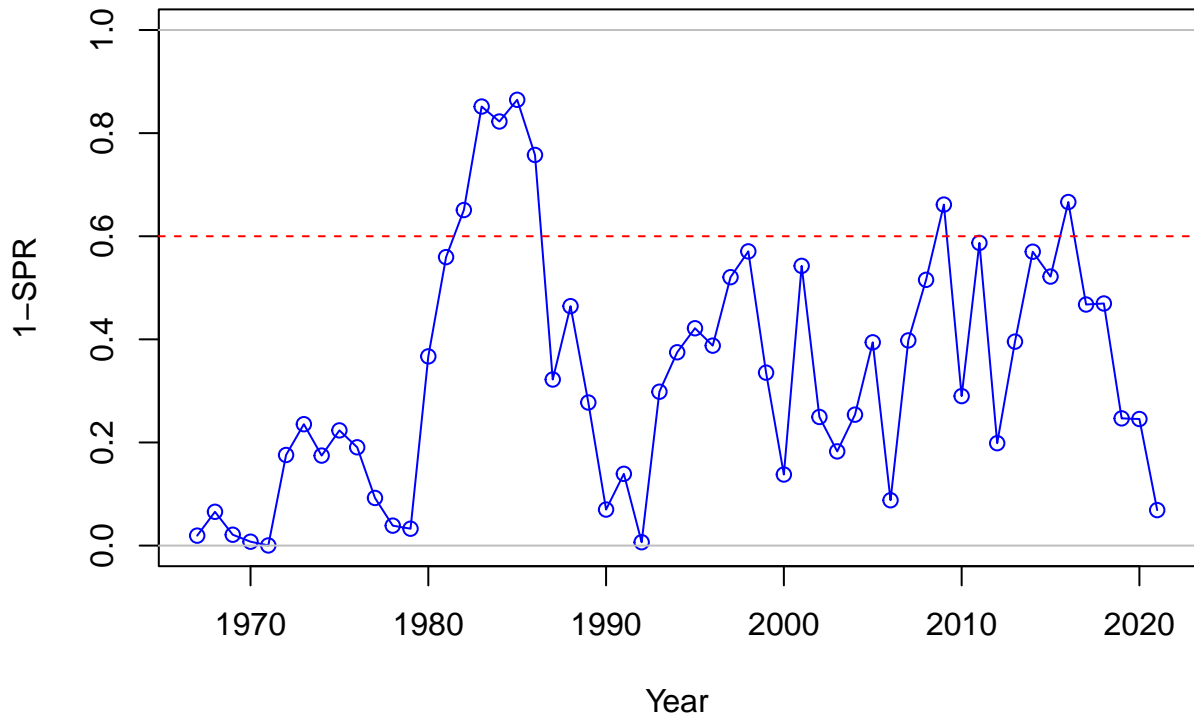




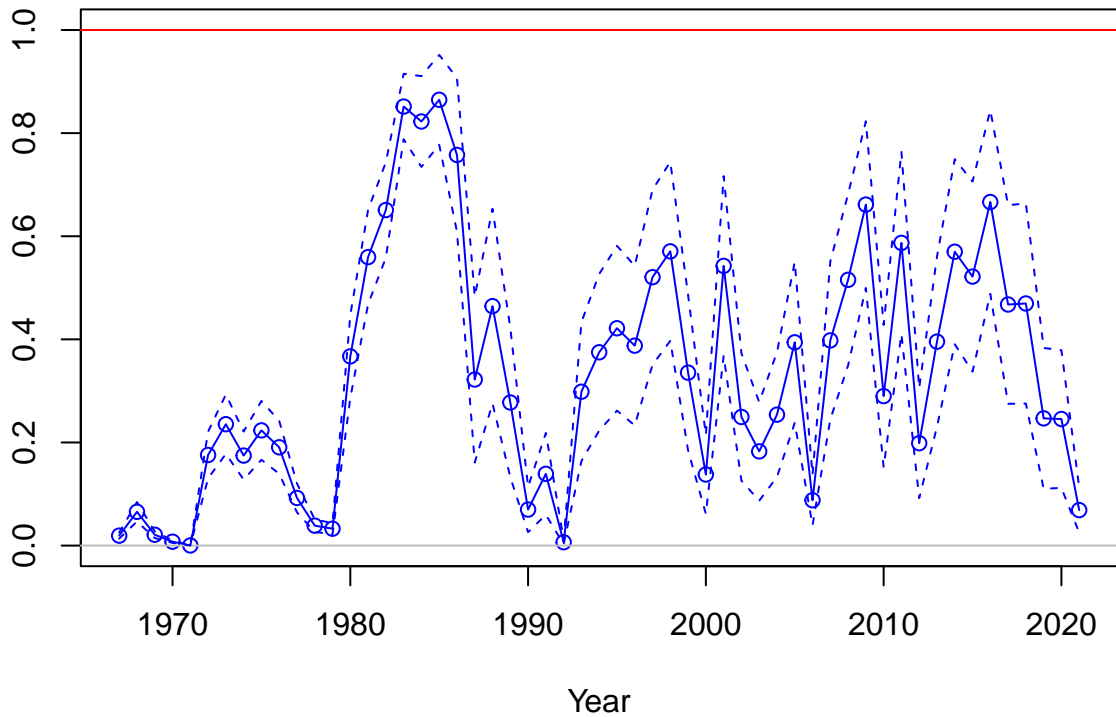


SPR



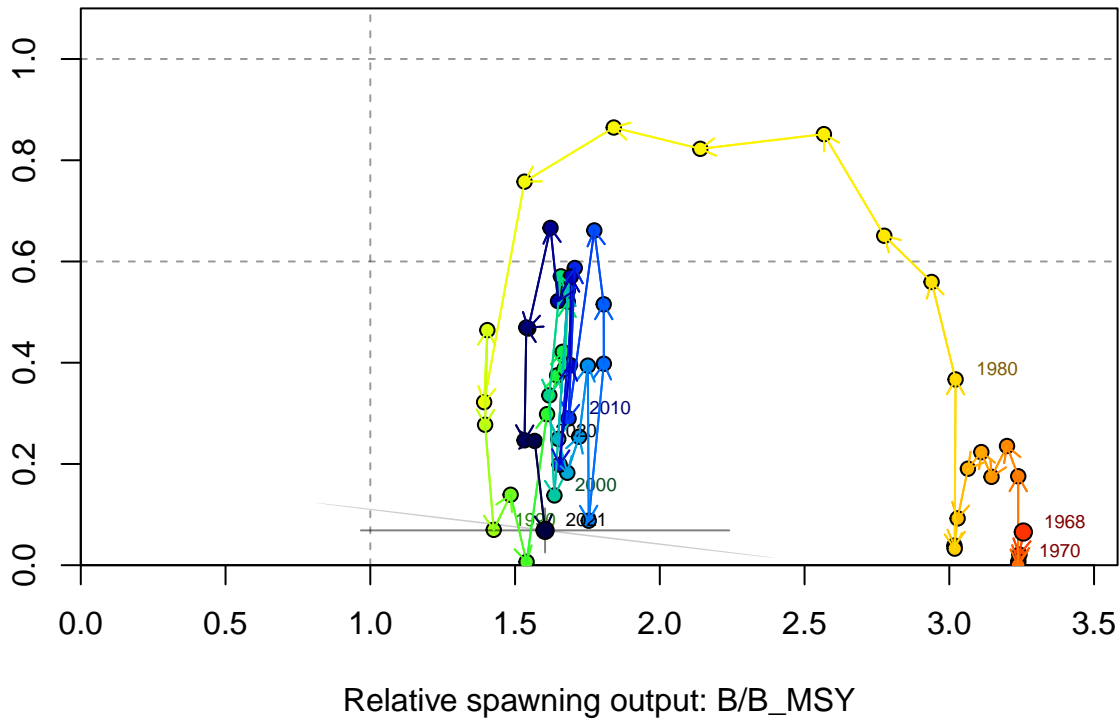


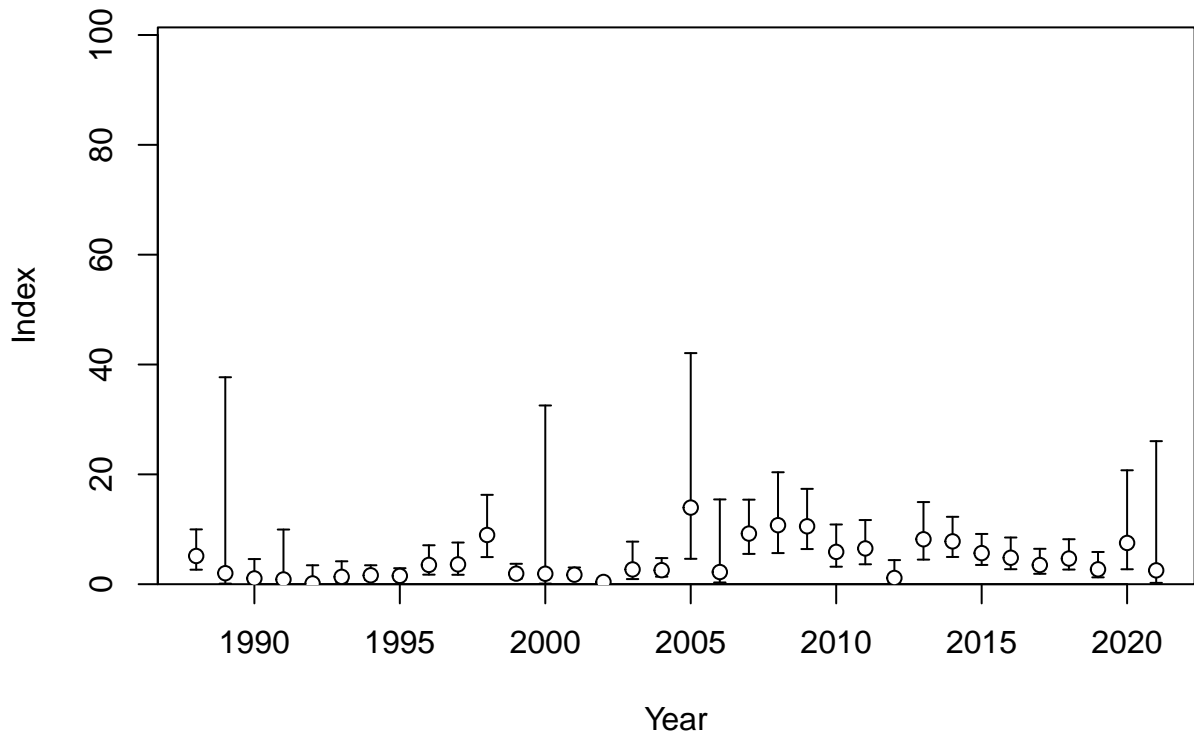
Fishing intensity: 1-SPR

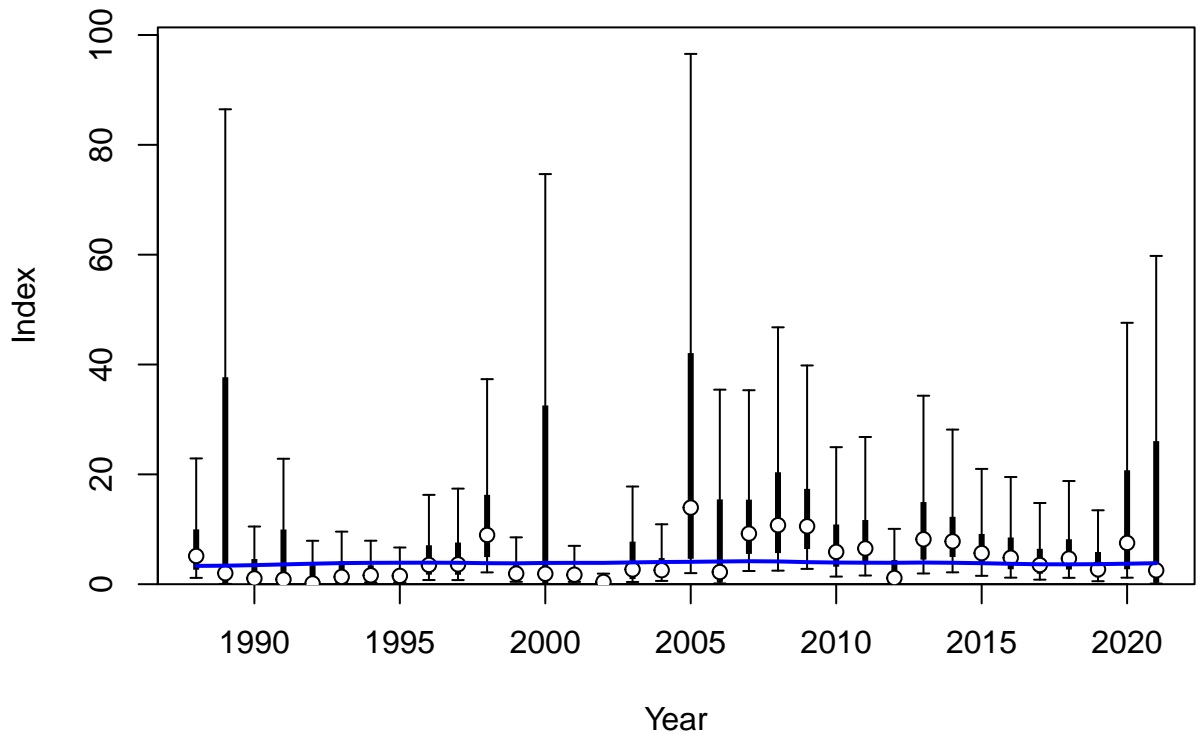


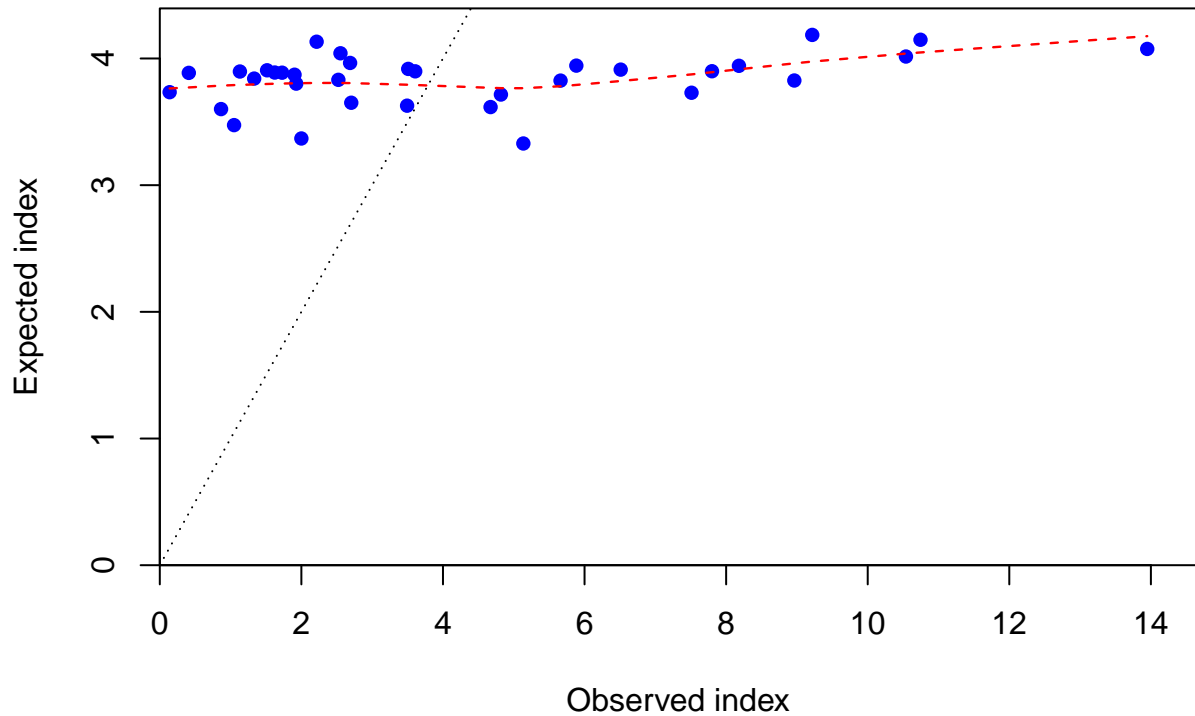


Fishing intensity: 1-SPR









Log index

4  
2  
0  
-2  
-4  
-6

1990

1995

2000

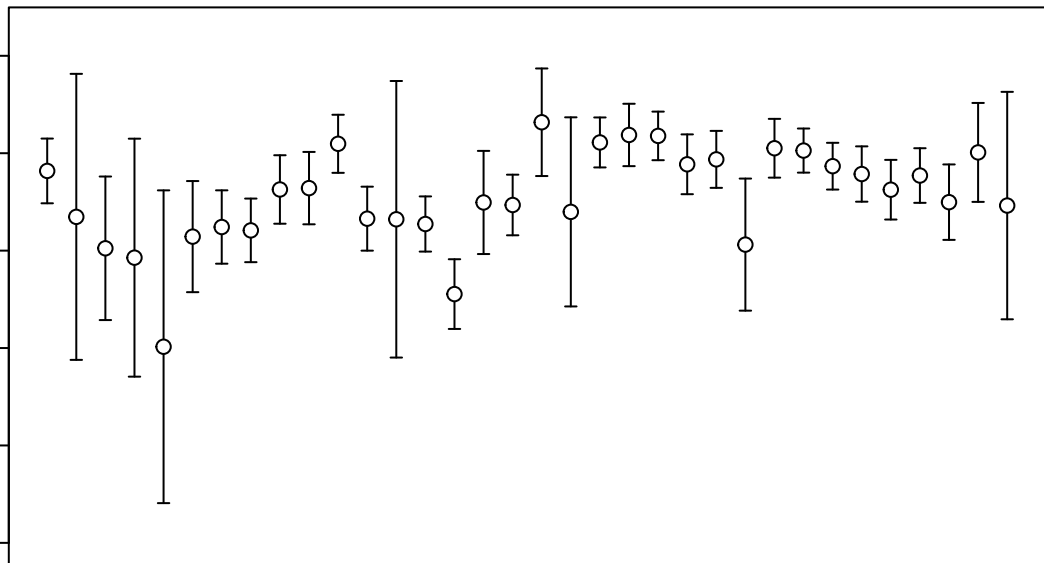
2005

2010

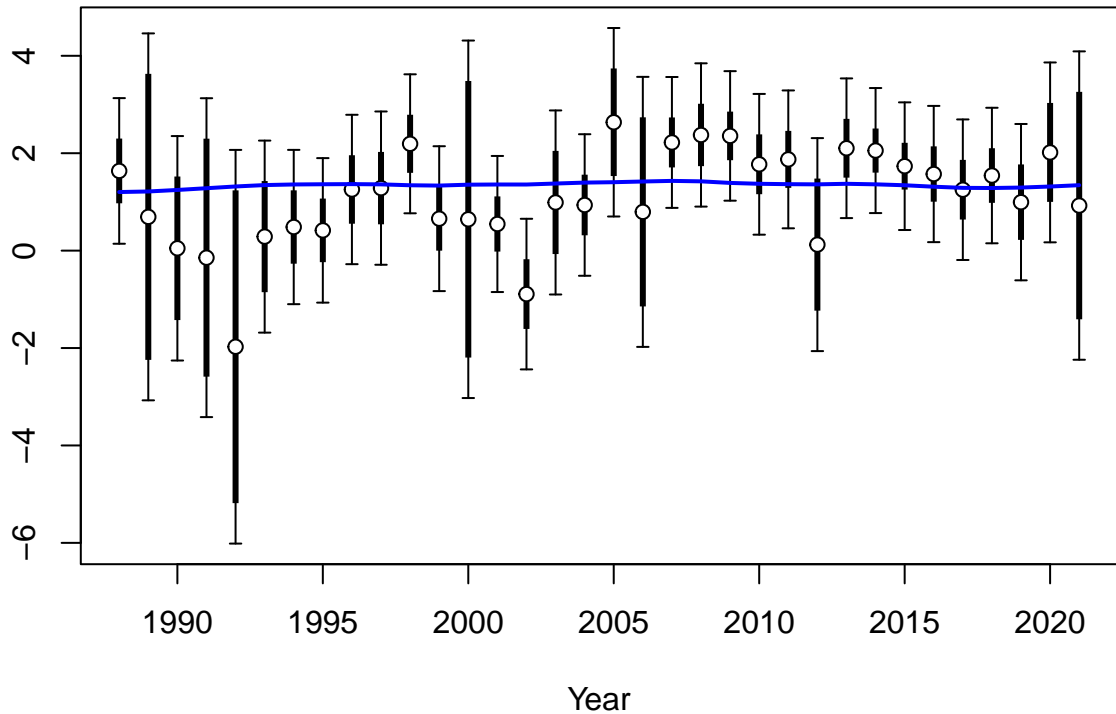
2015

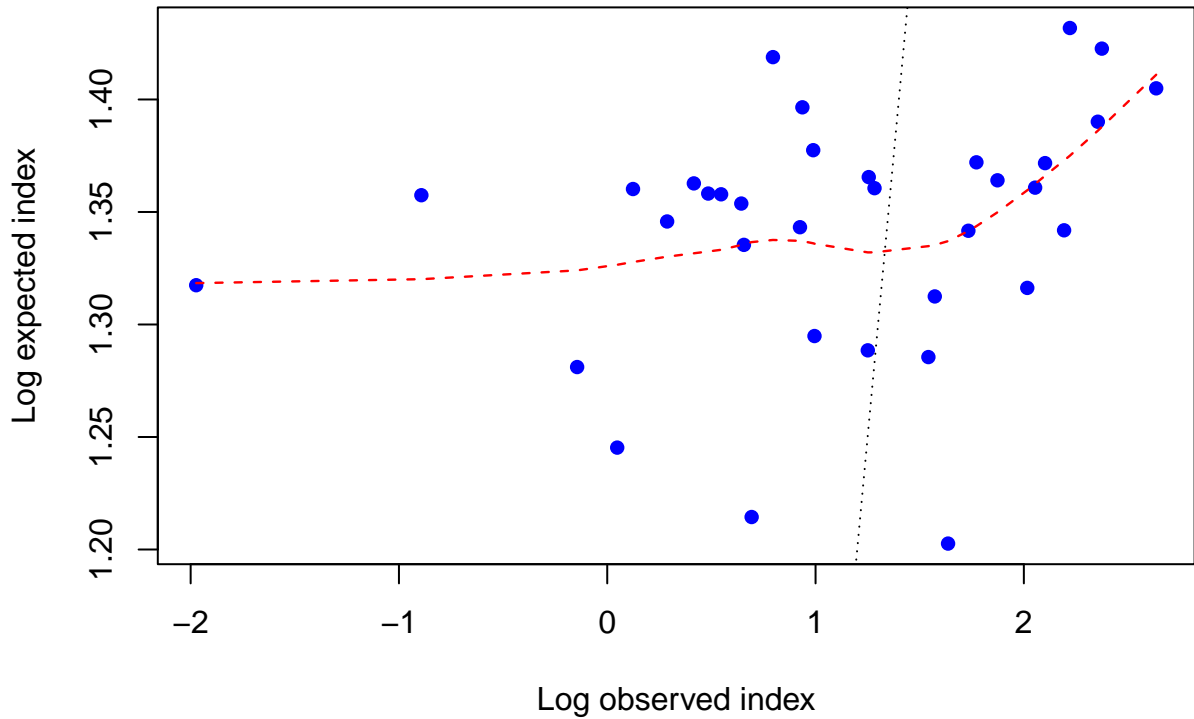
2020

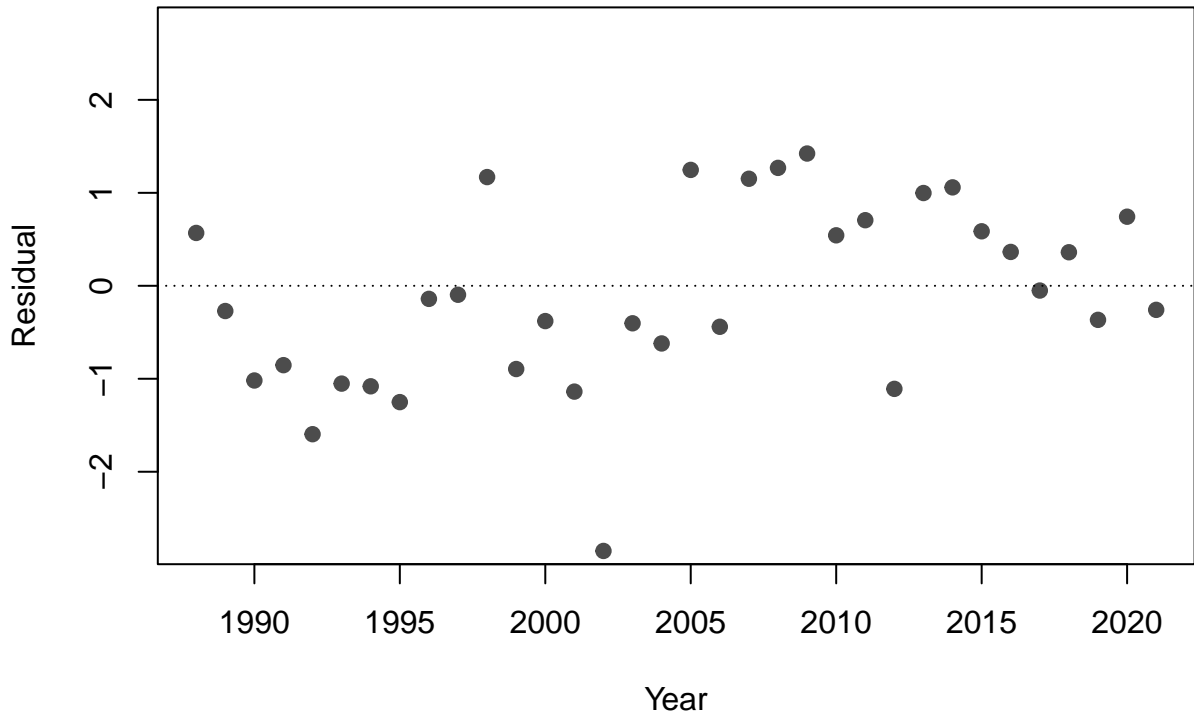
Year



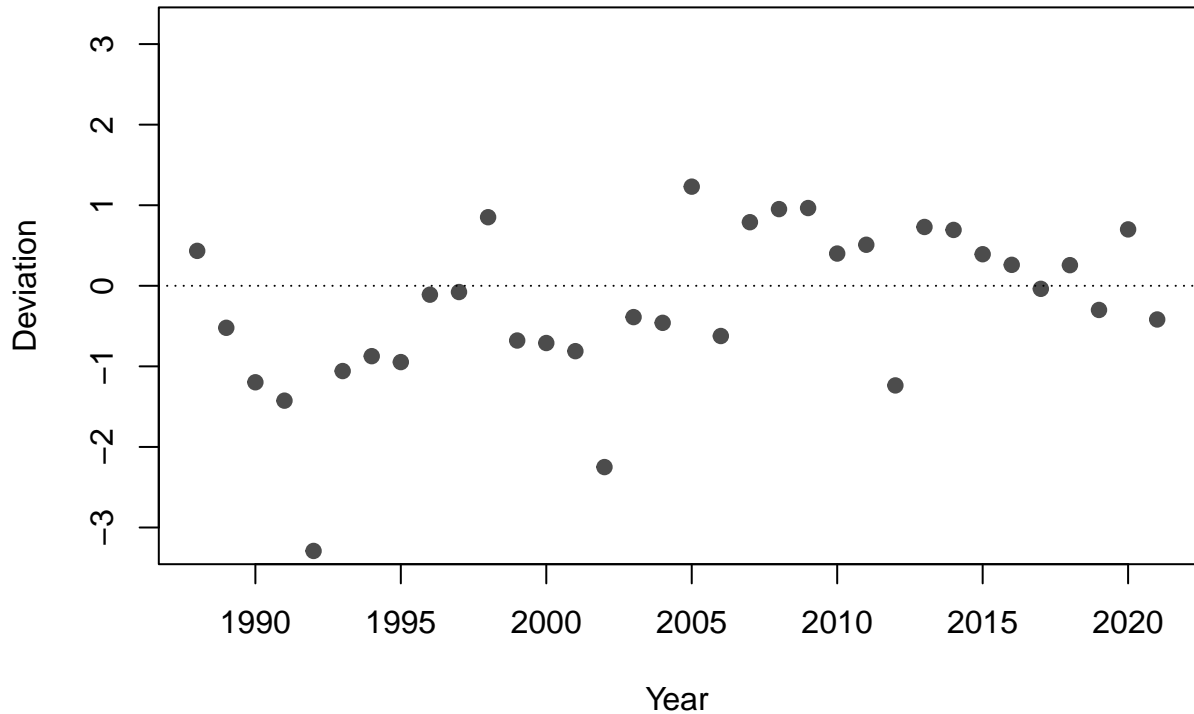
Log index

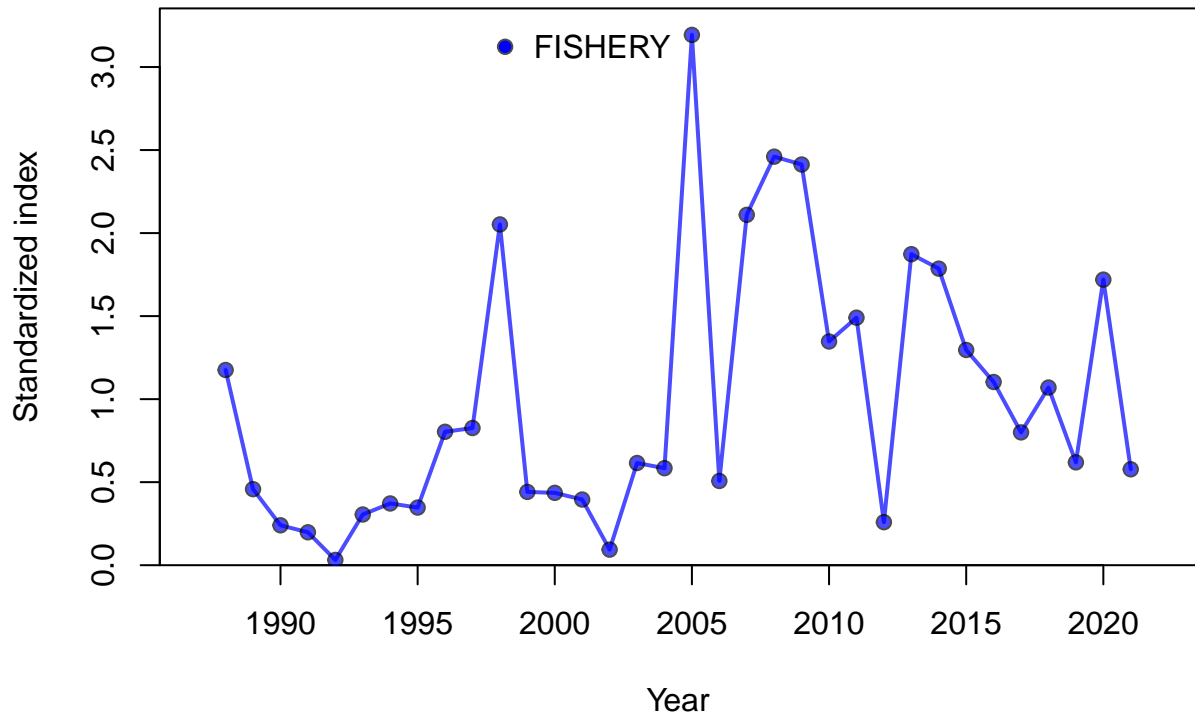


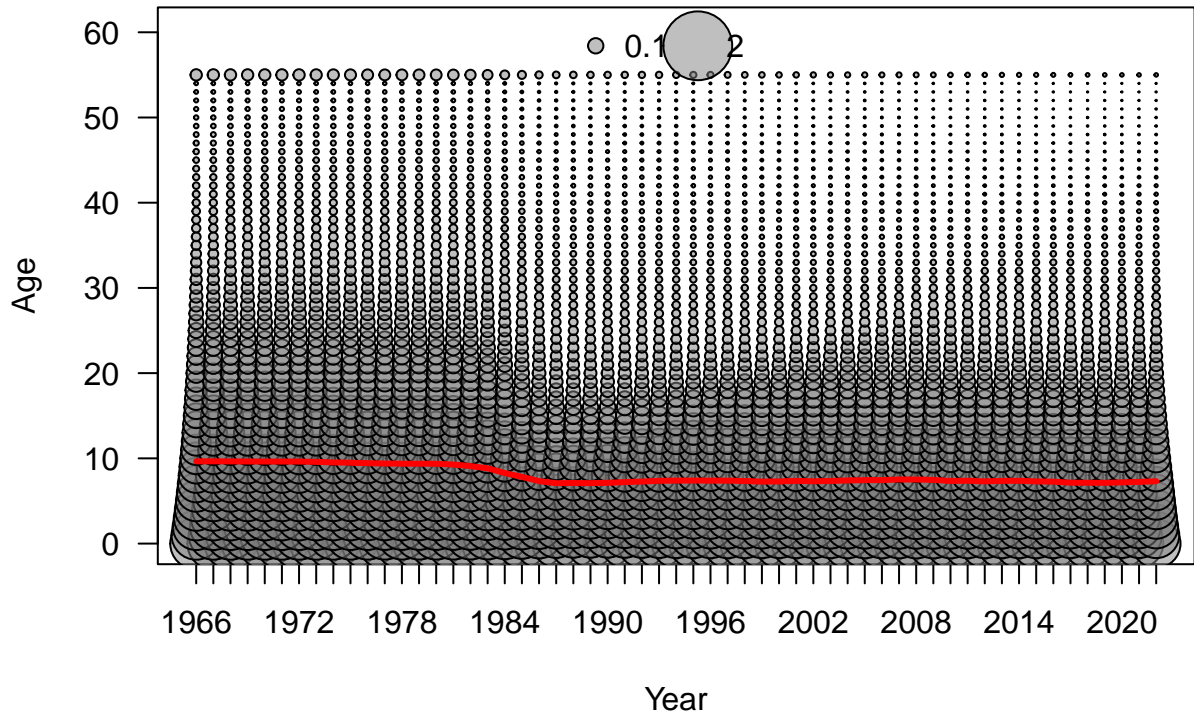


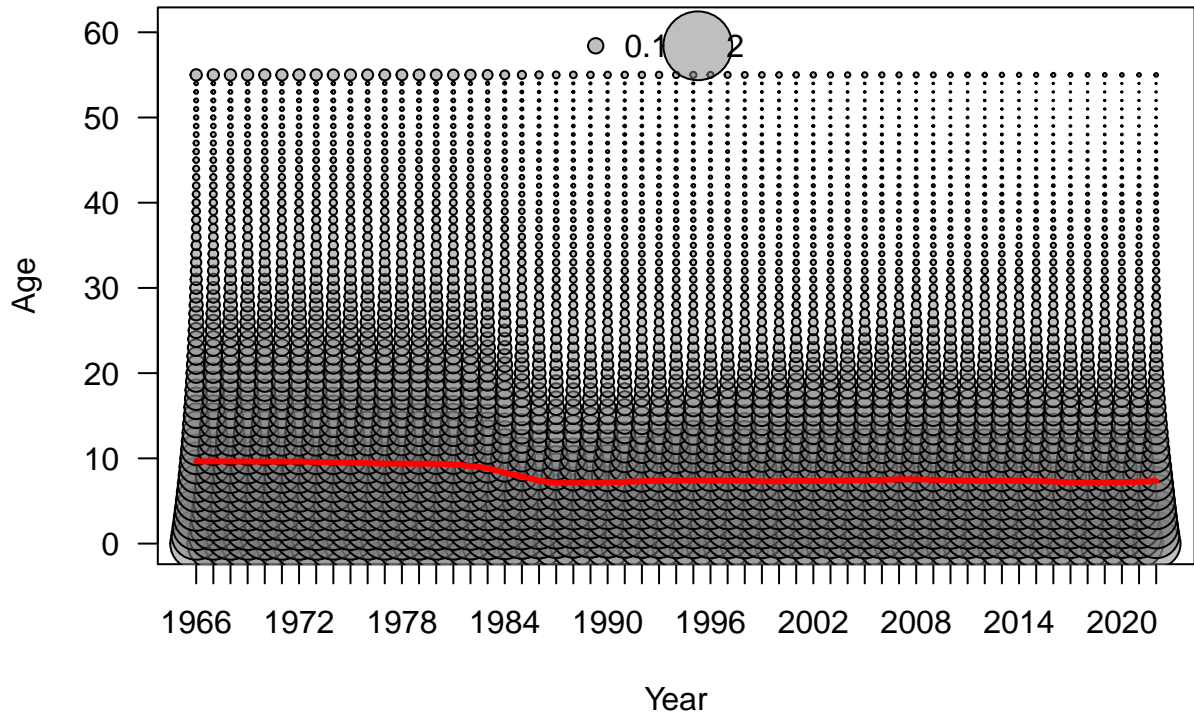


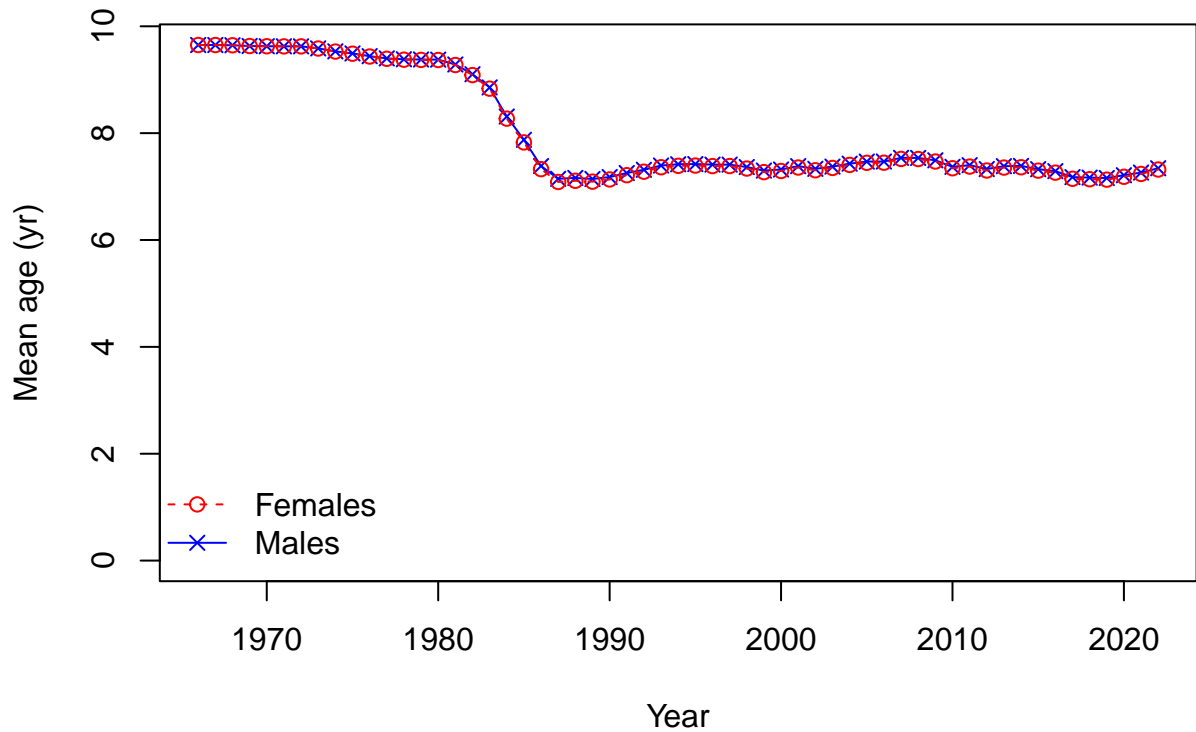


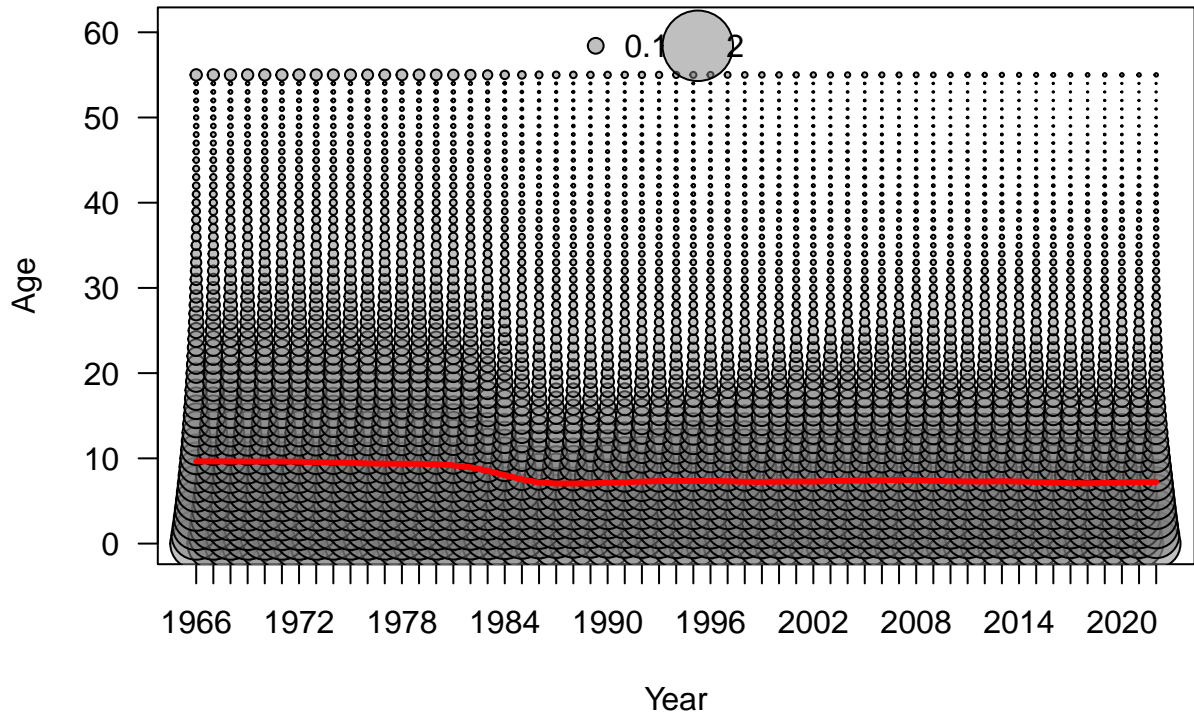


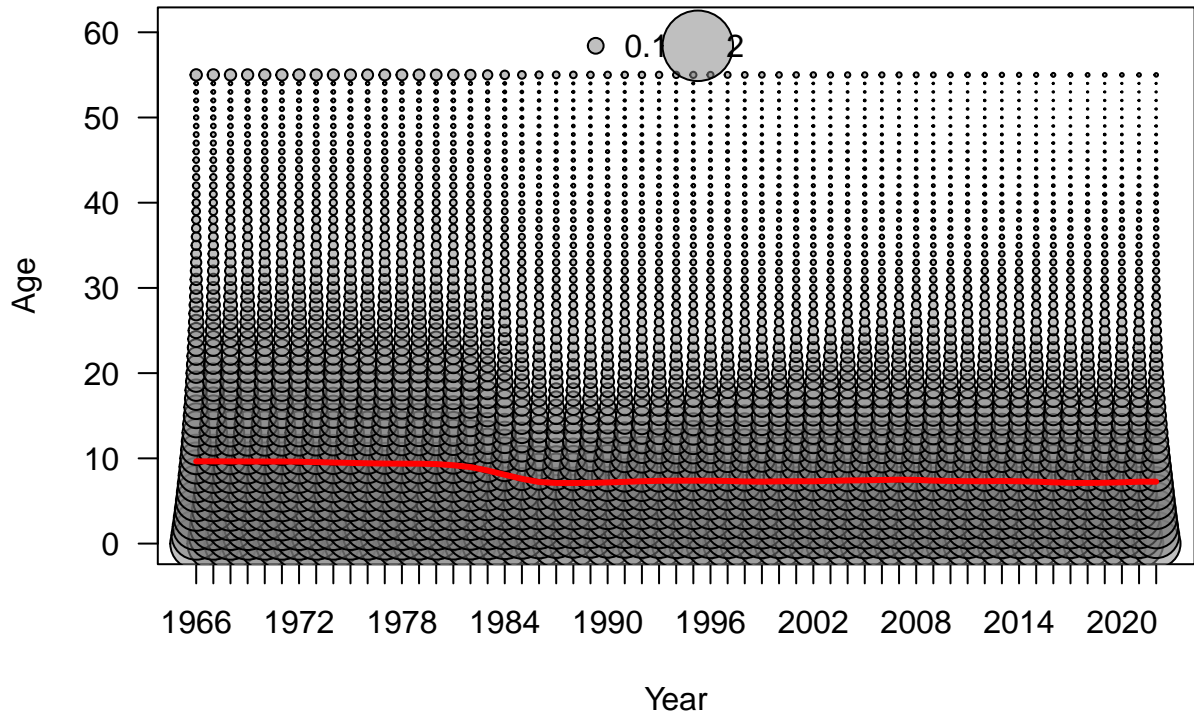


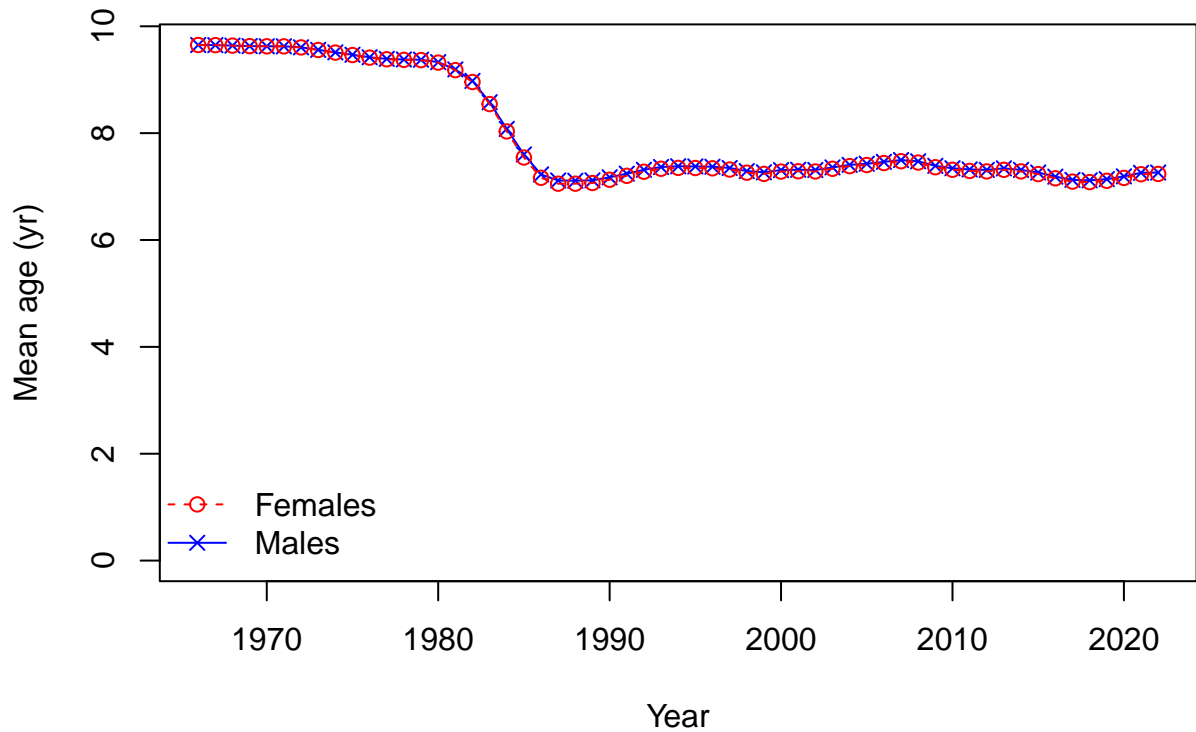




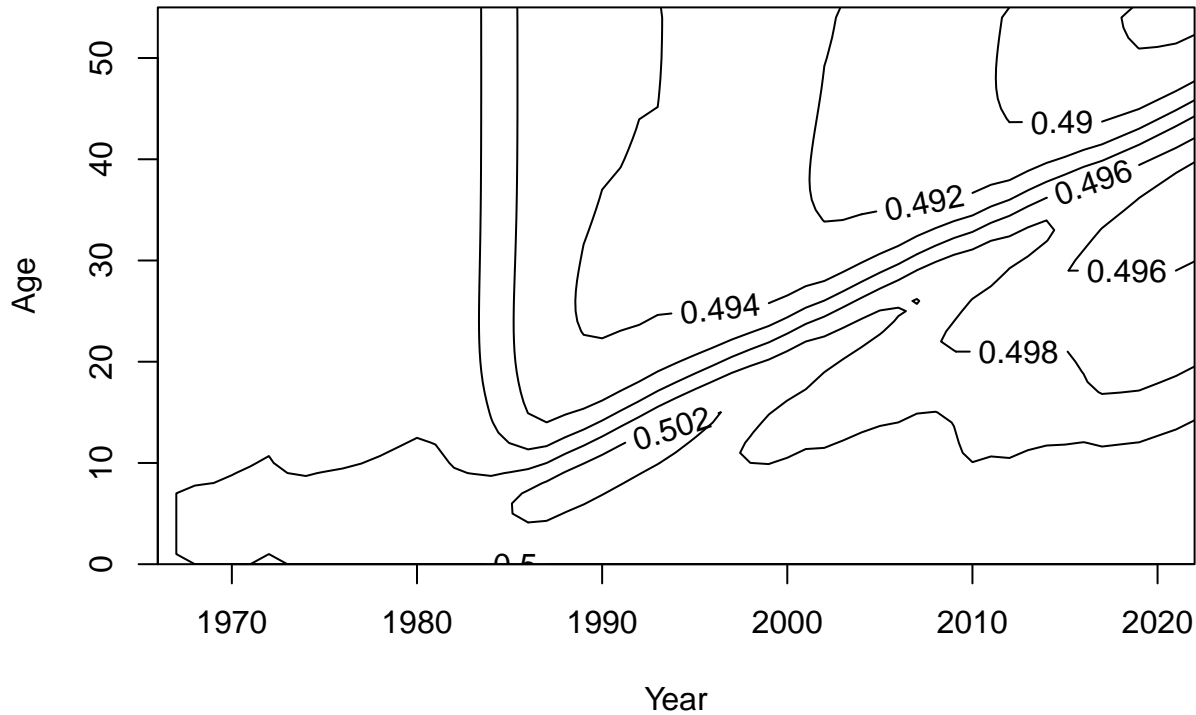


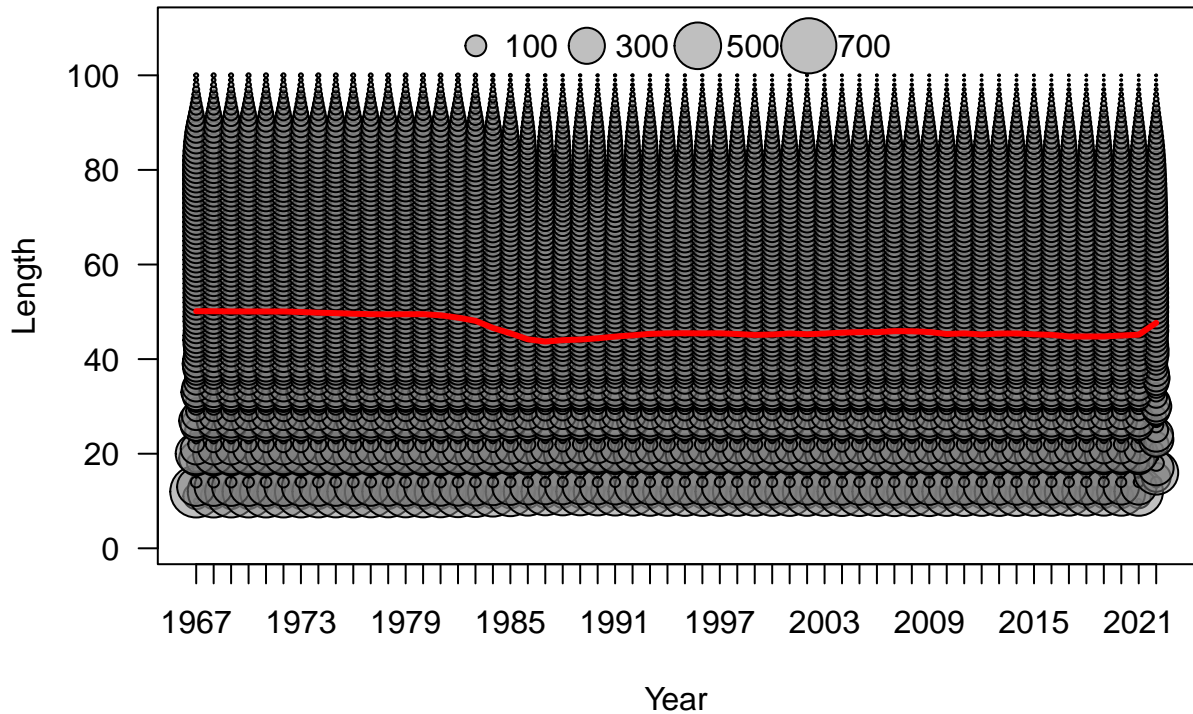


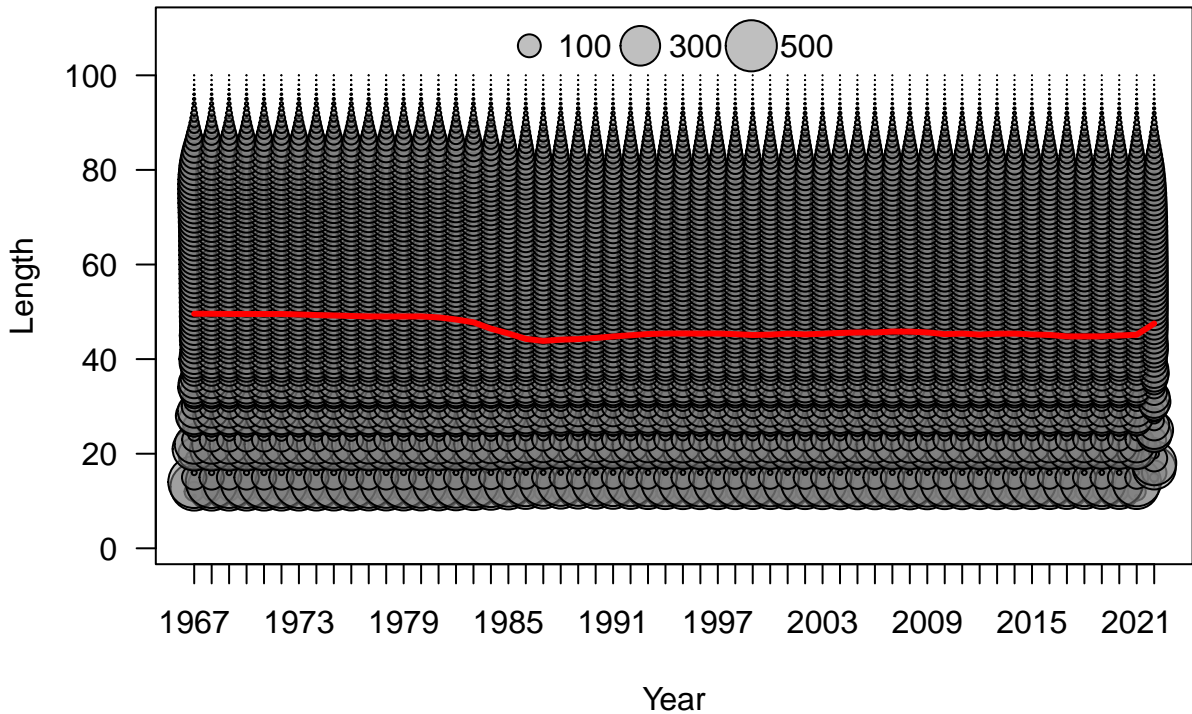


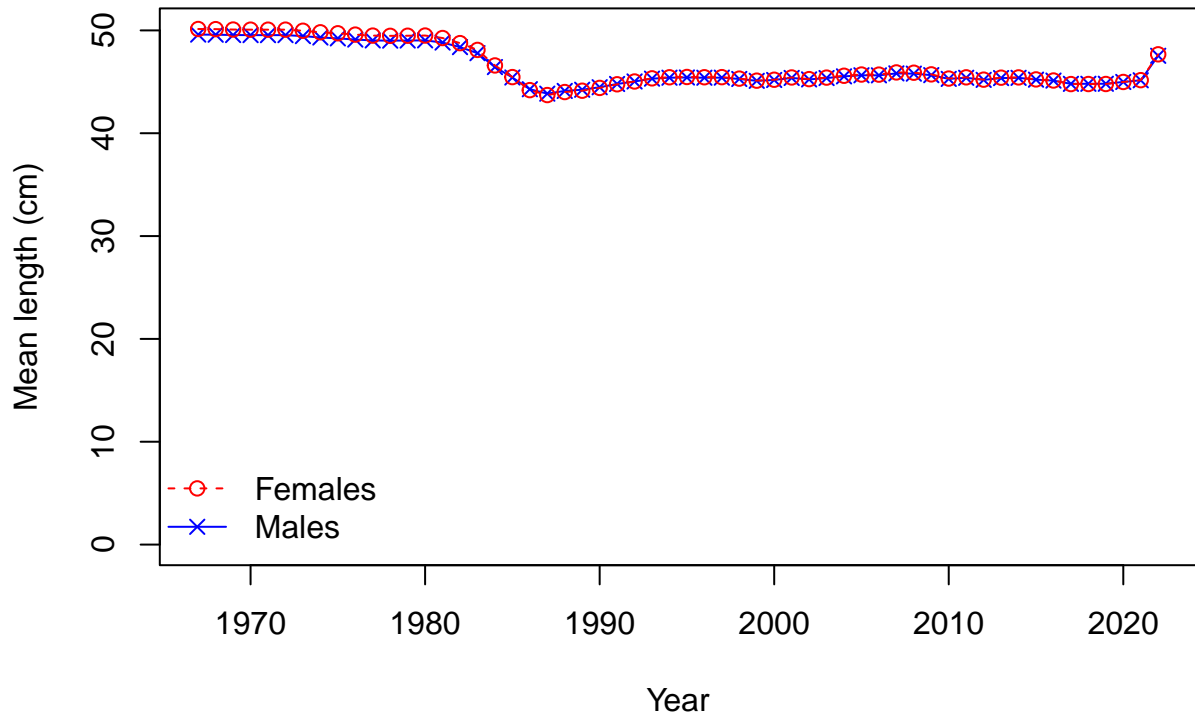


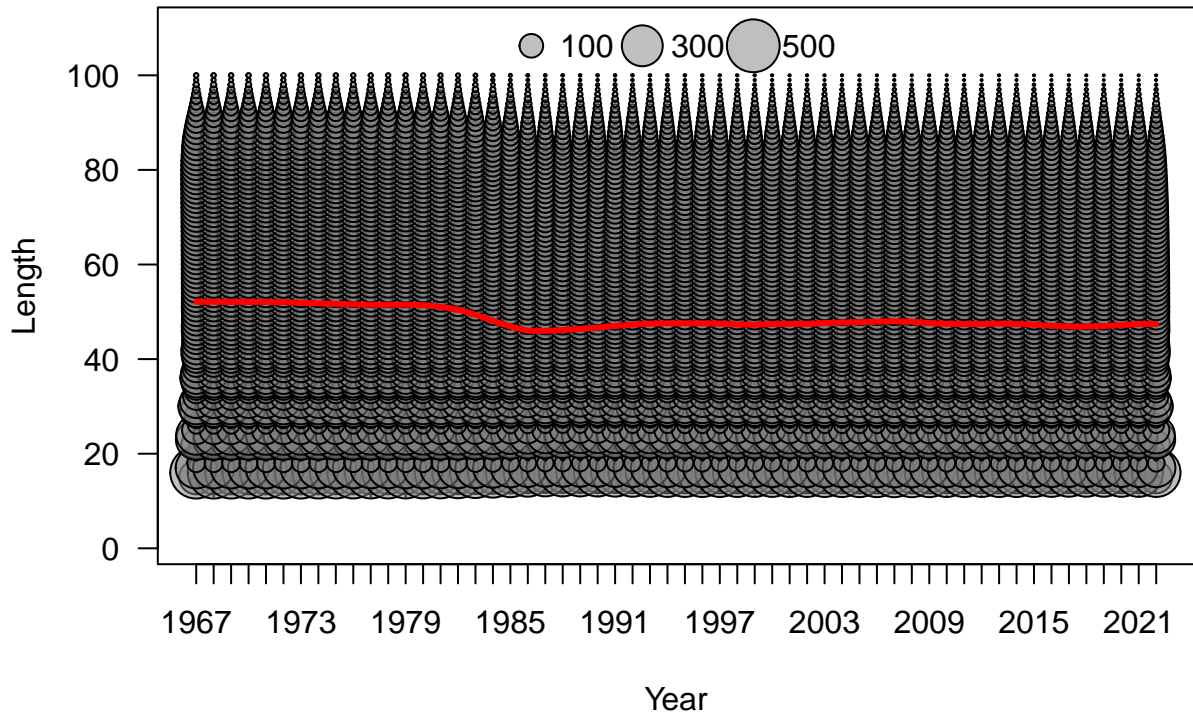


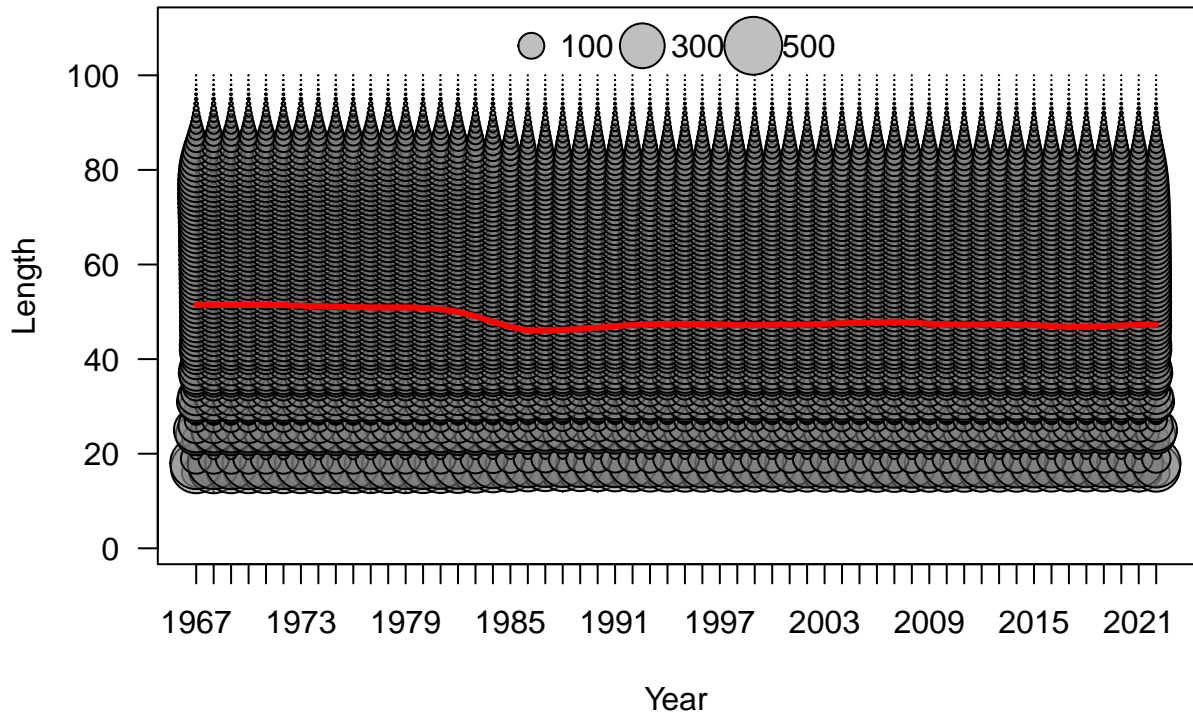


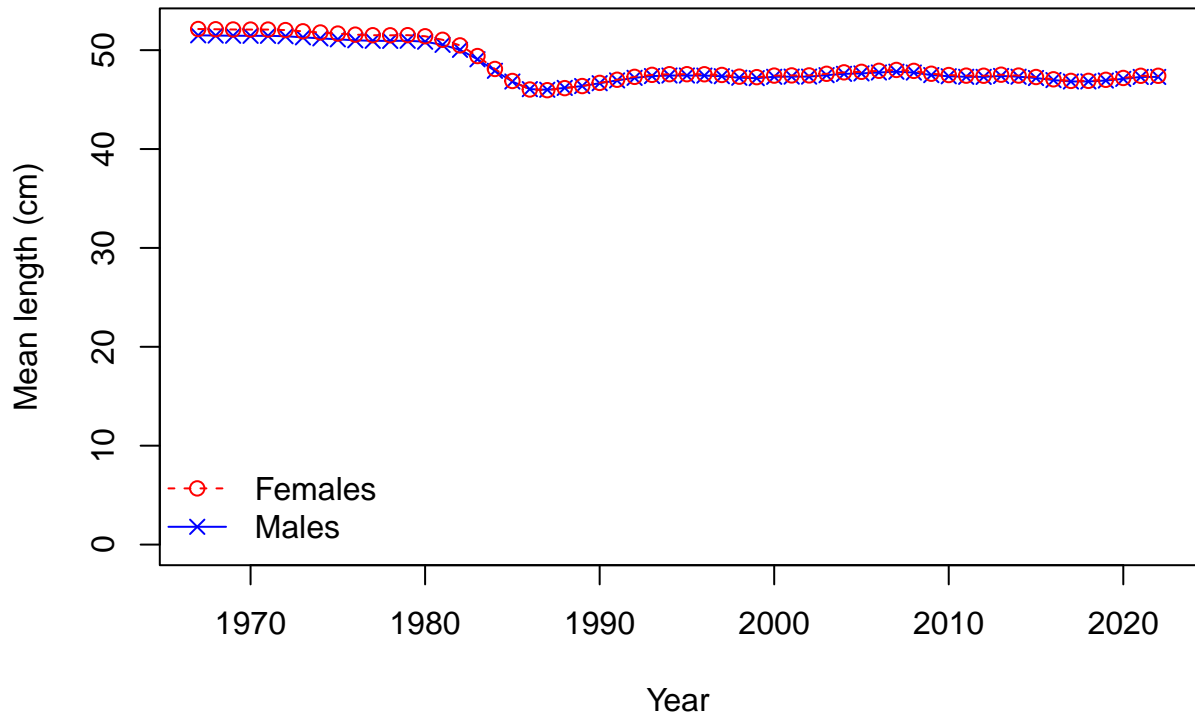


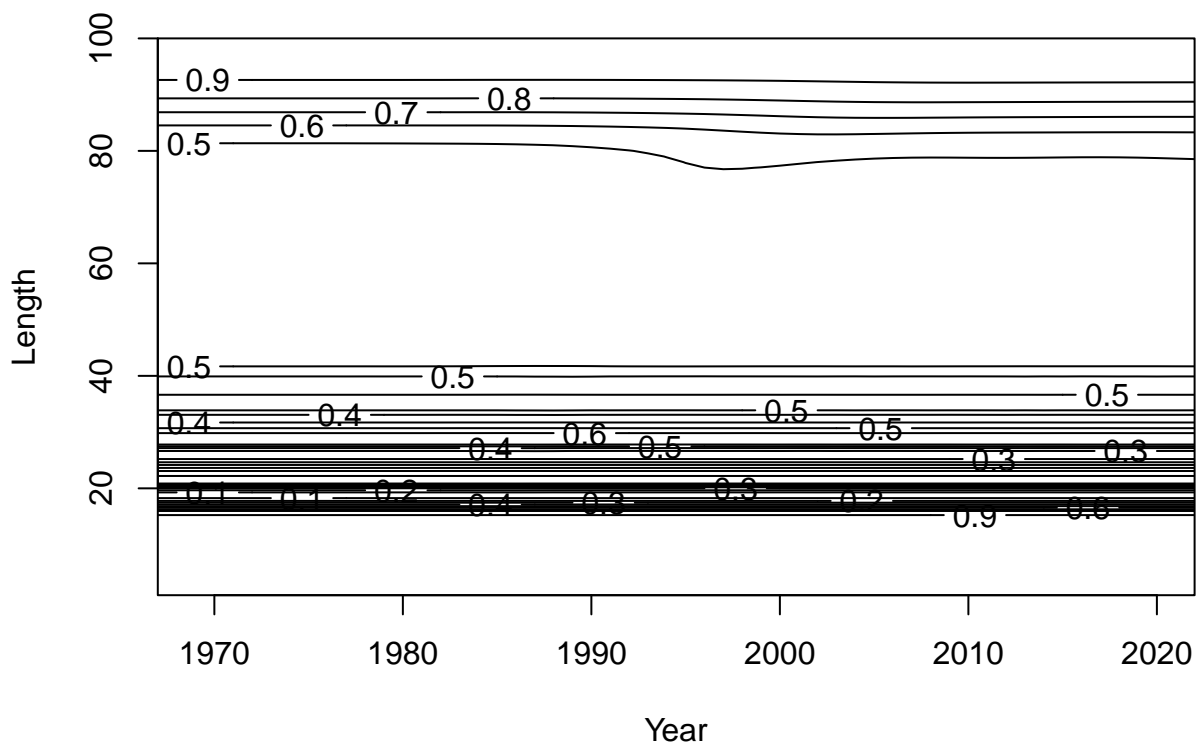




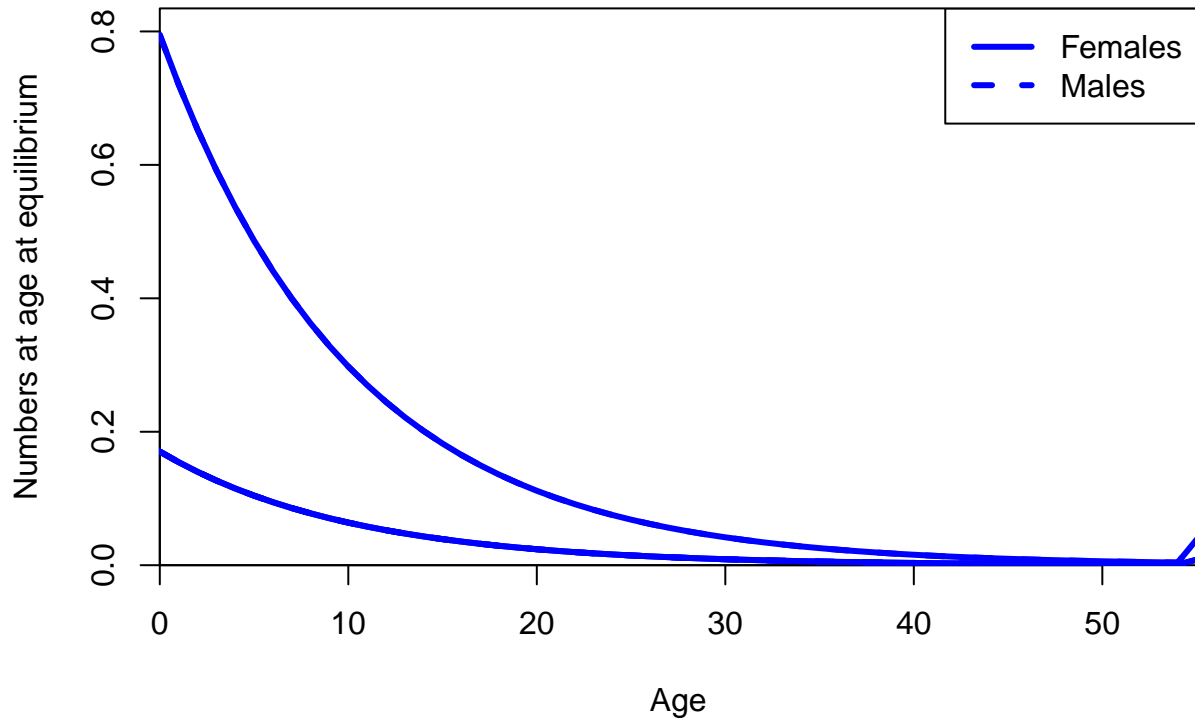


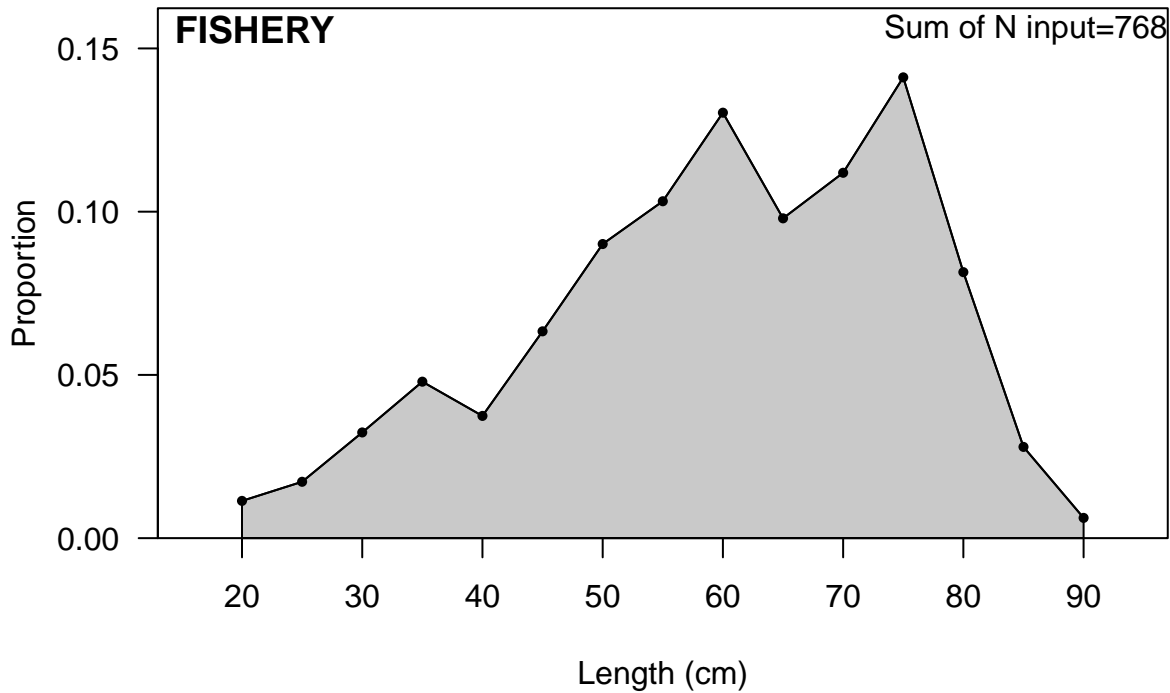


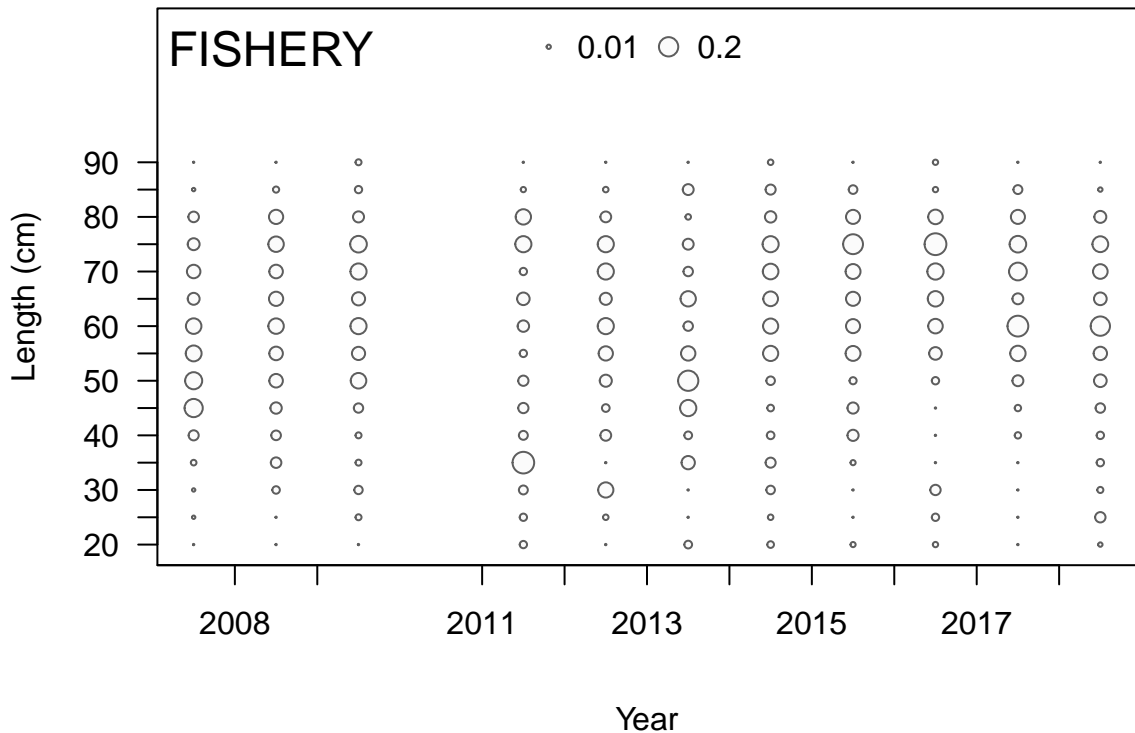




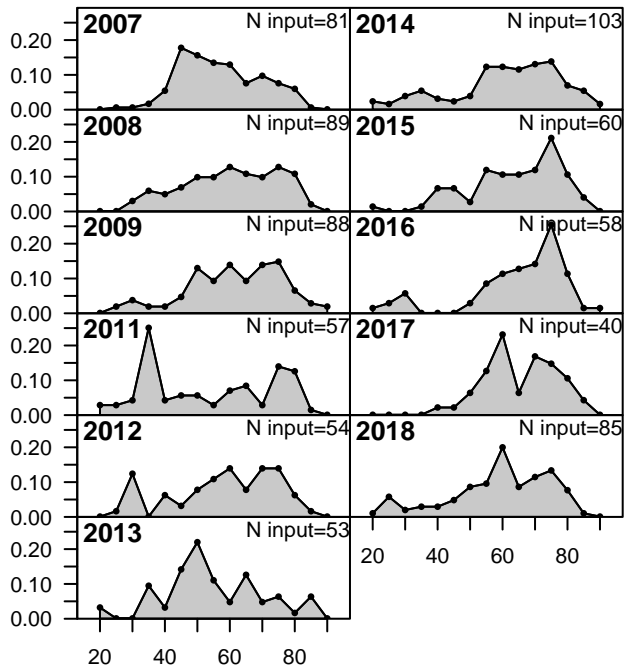




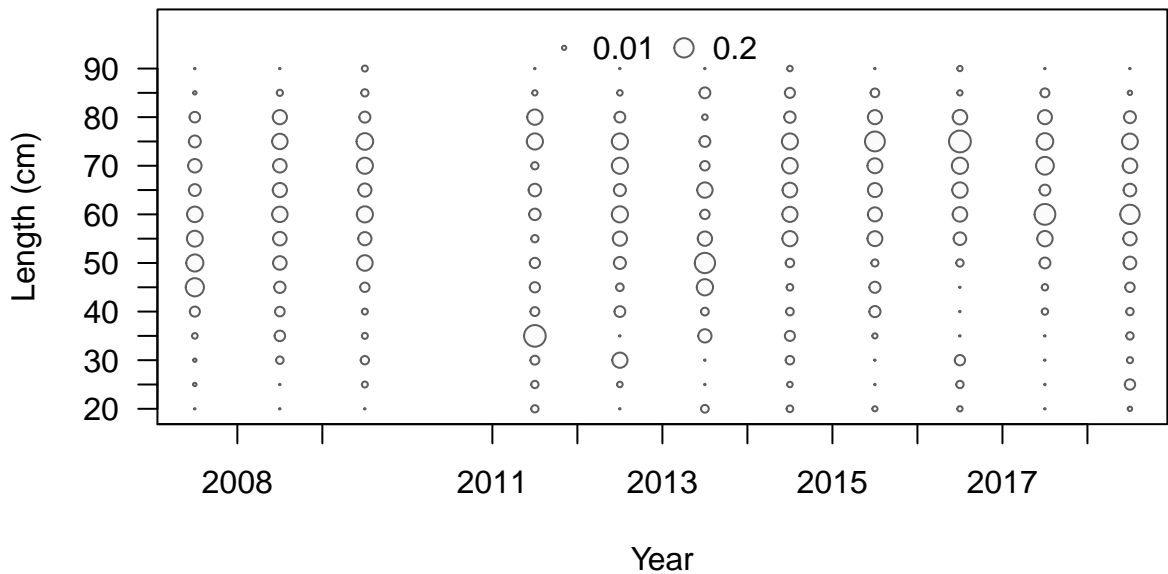




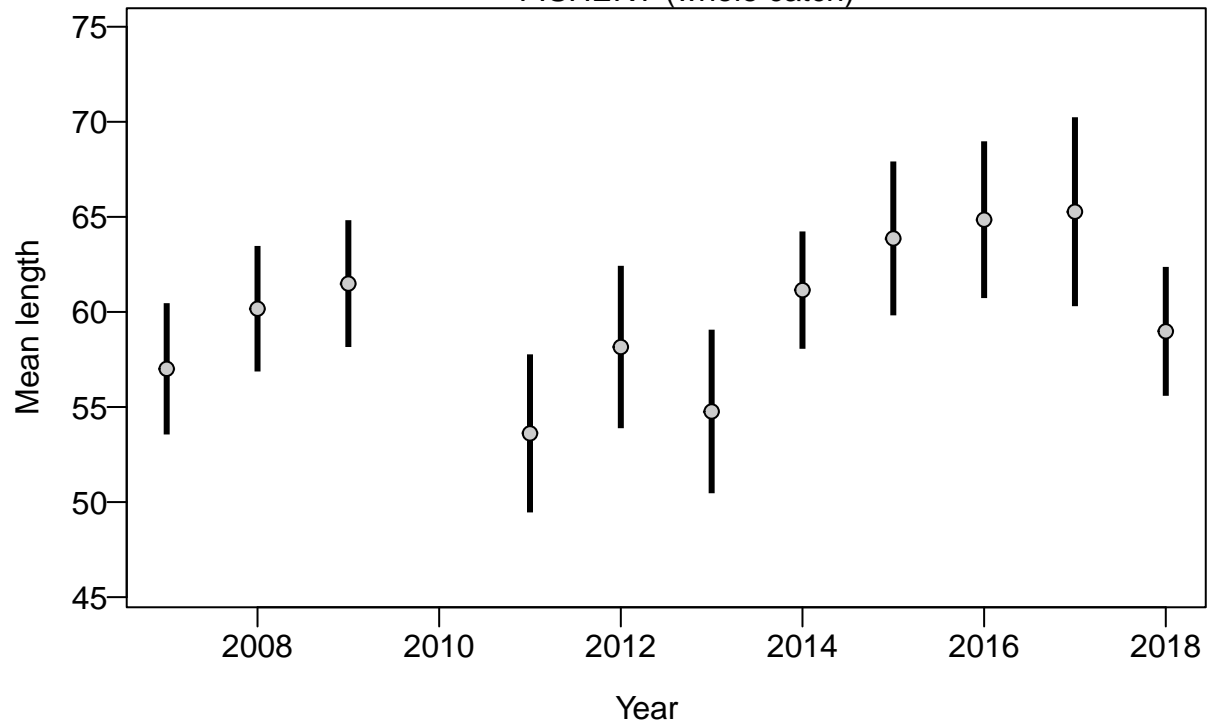
Proportion

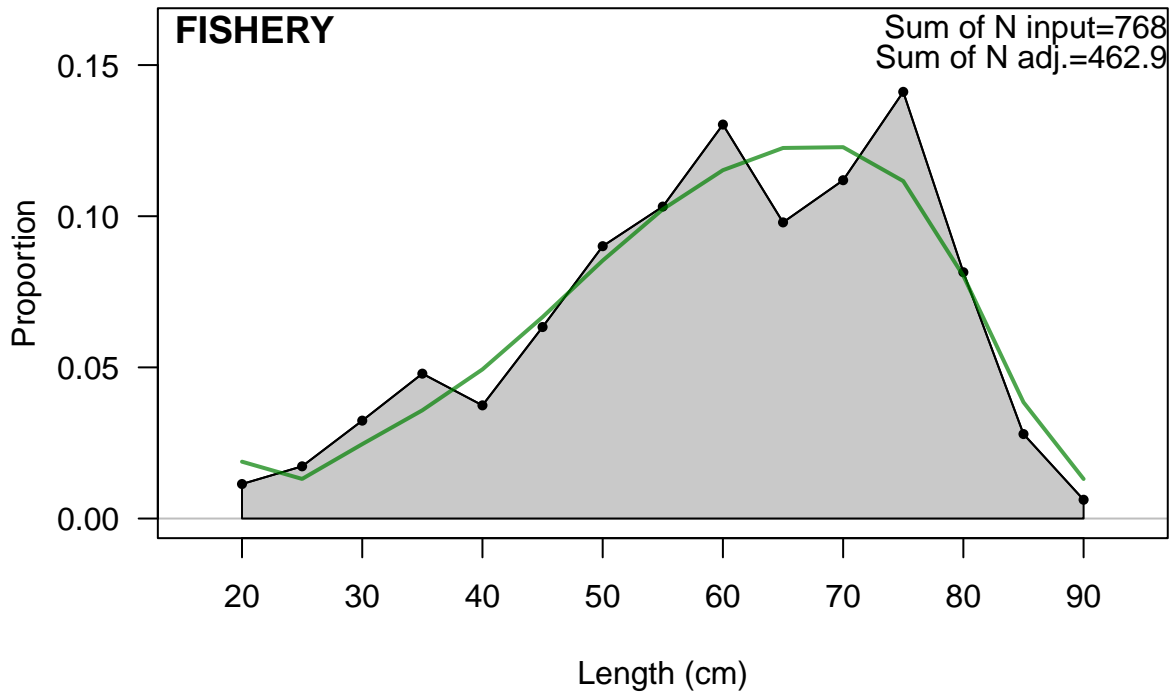


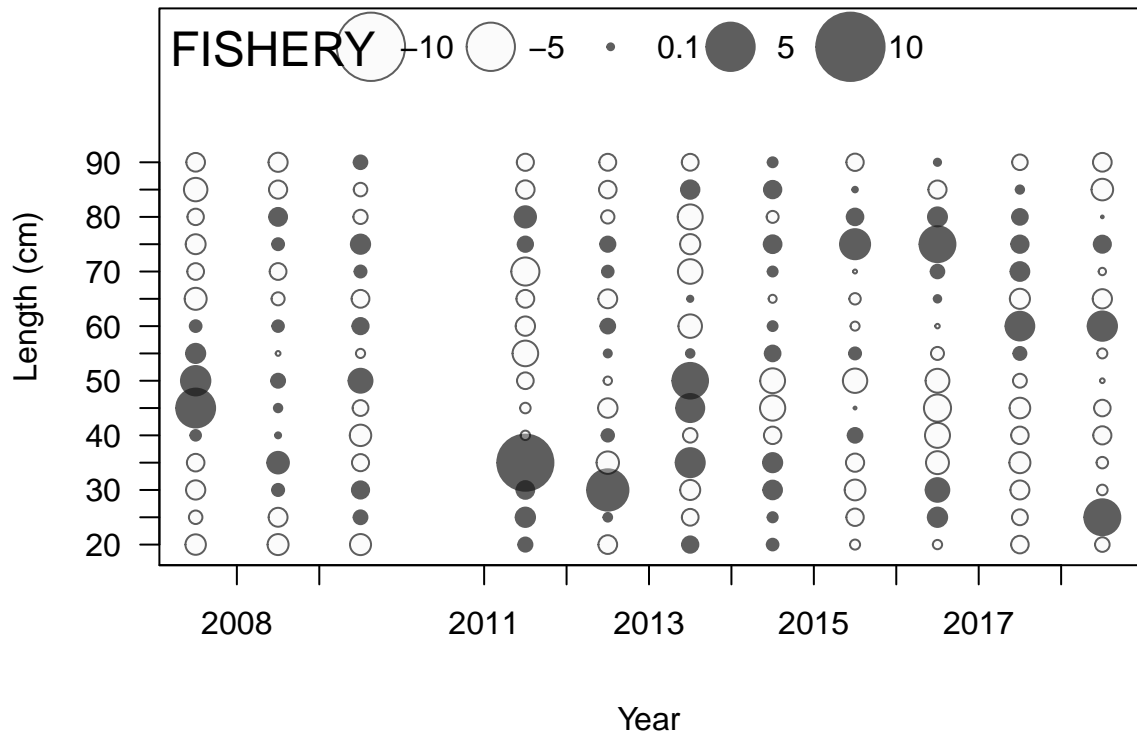
Length (cm)



FISHERY (whole catch)

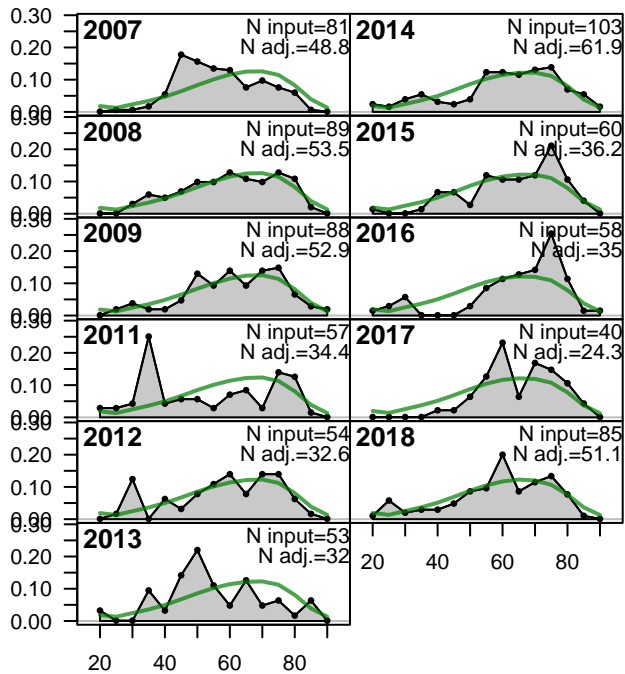




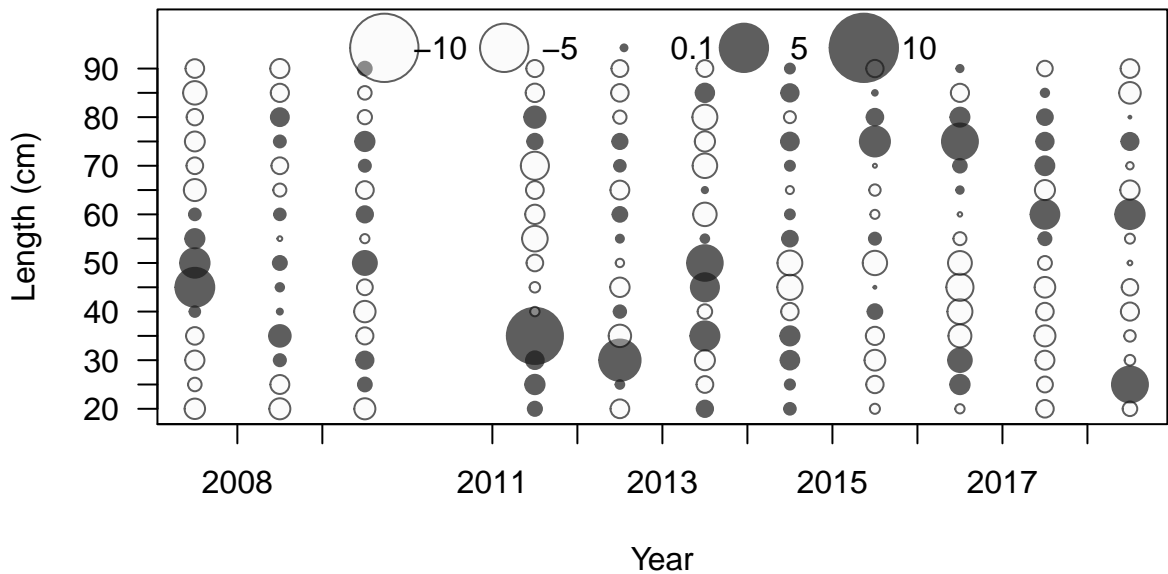




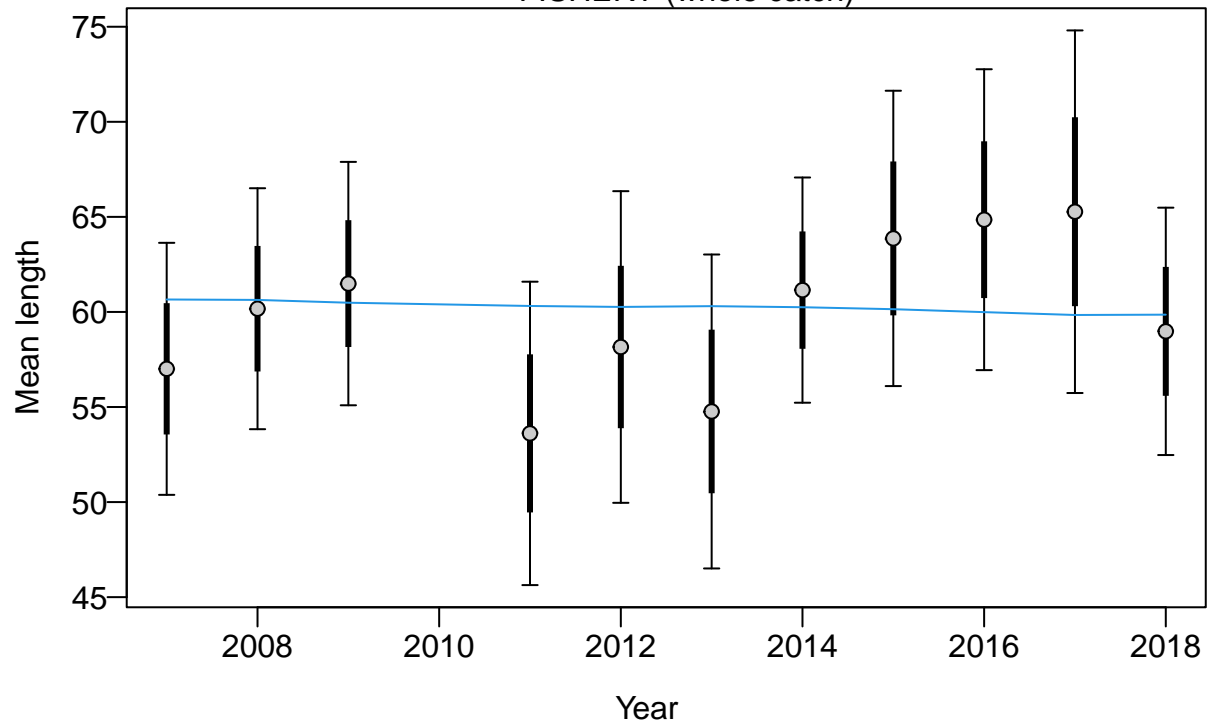
Proportion

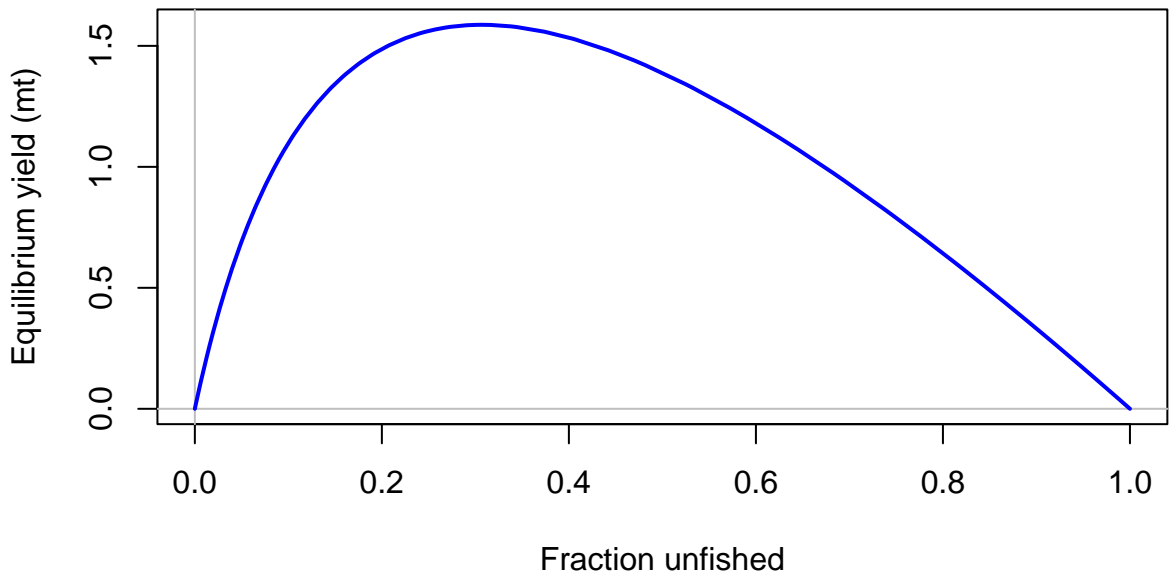


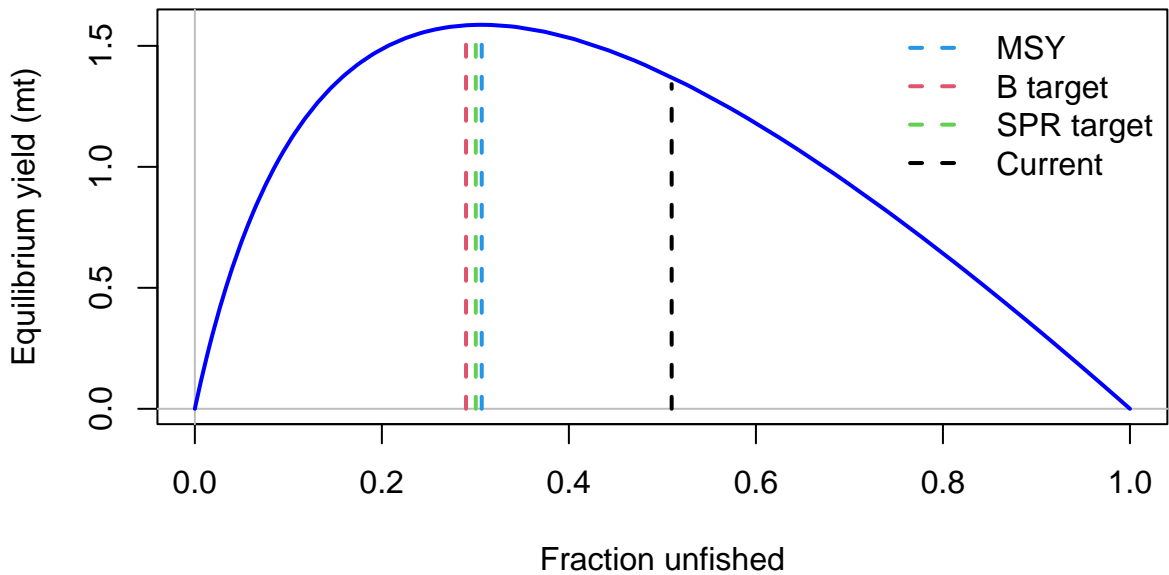
Length (cm)

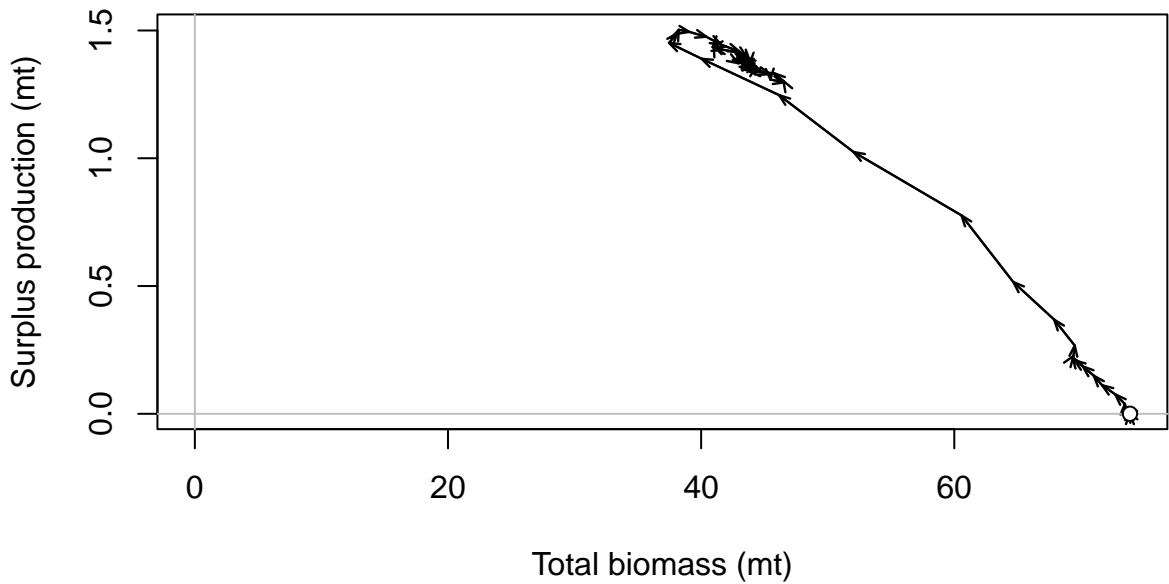


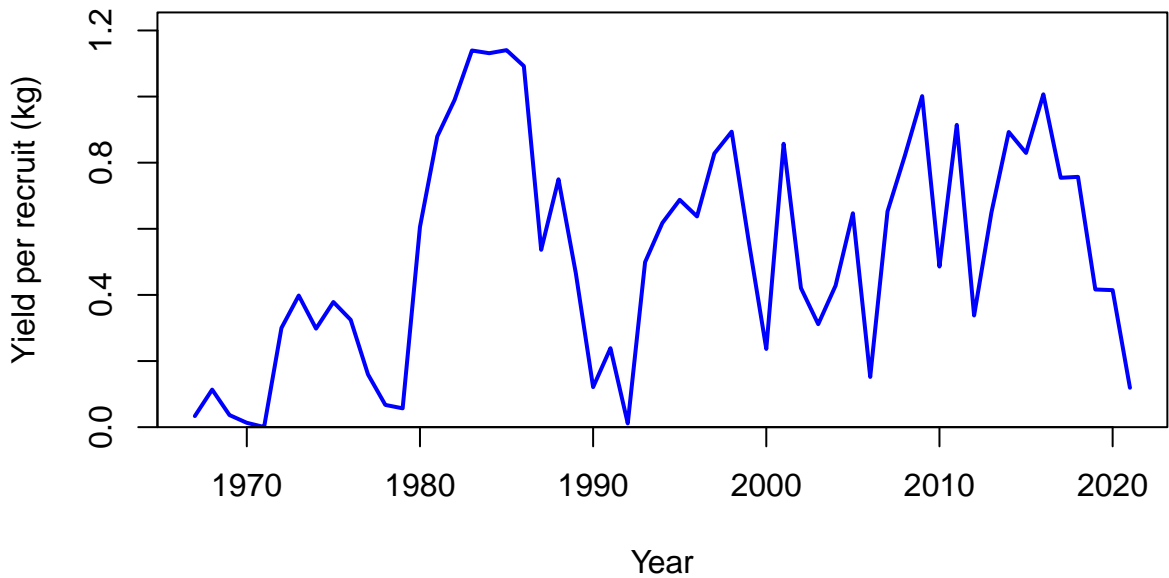
FISHERY (whole catch)

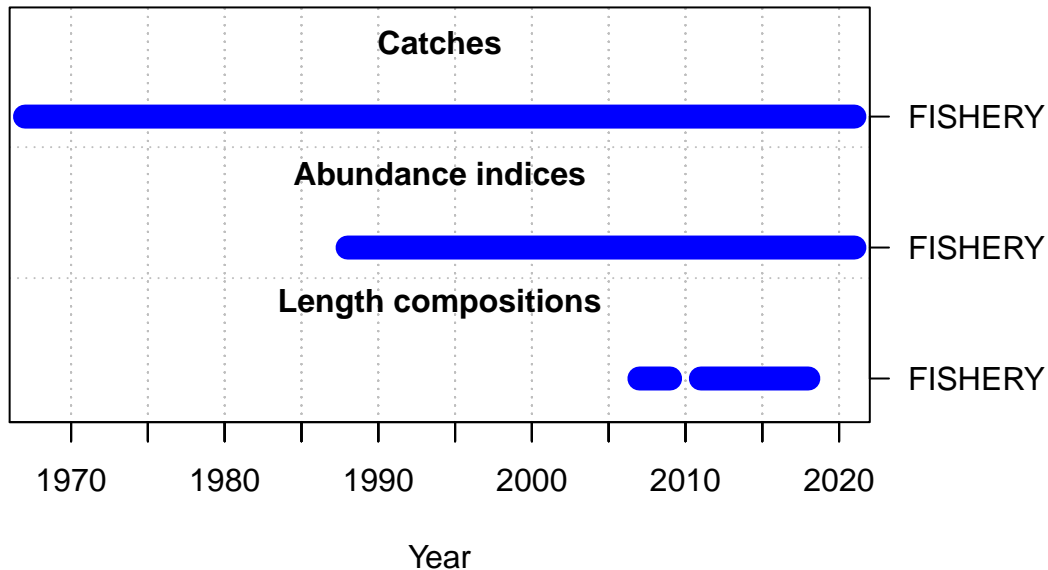




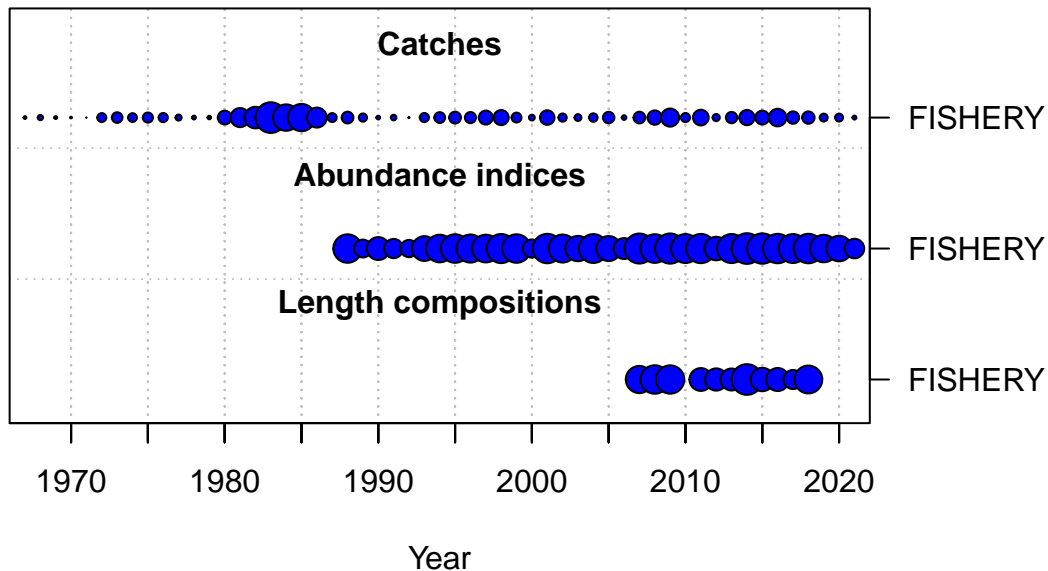








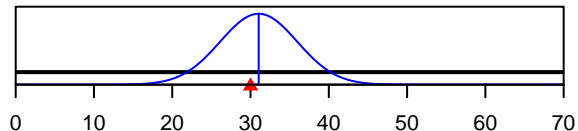




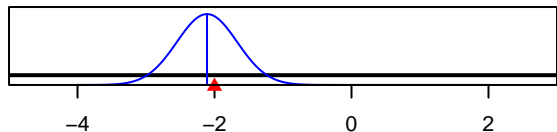
SR\_LN(R0)



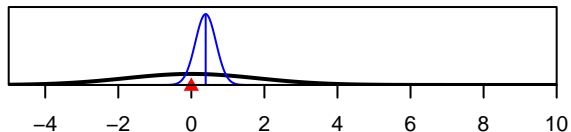
Size\_95%width\_FISHERY(1)



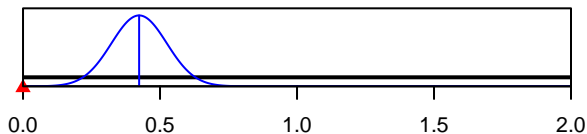
LnQ\_base\_FISHERY(1)



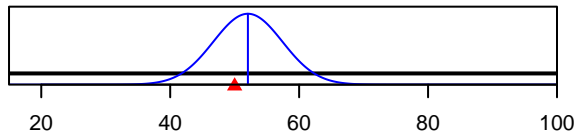
ln(DM\_theta)\_1



Q\_extraSD\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value