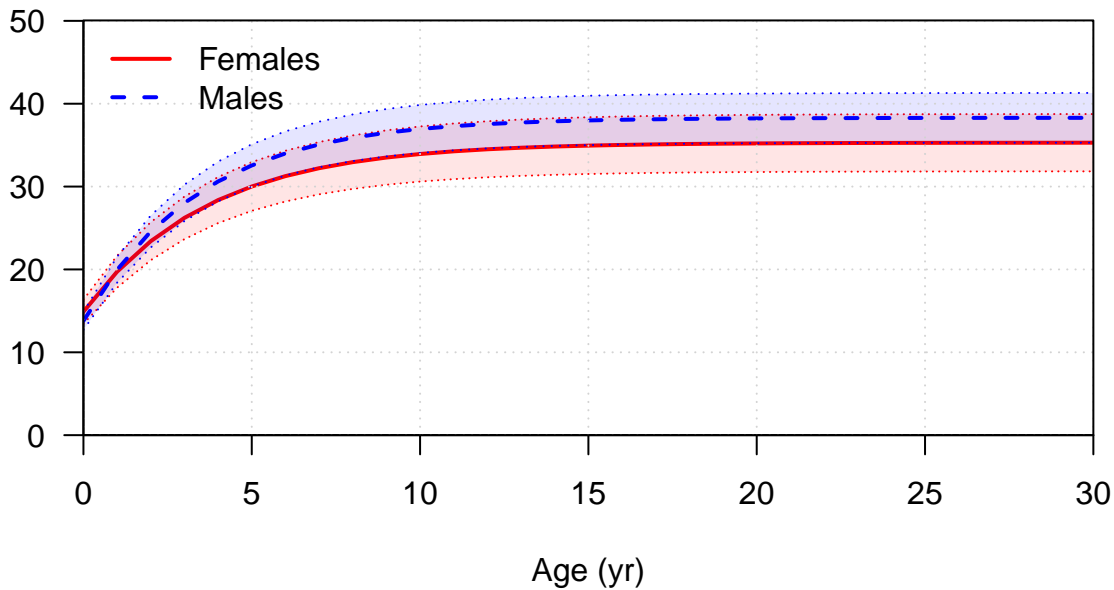
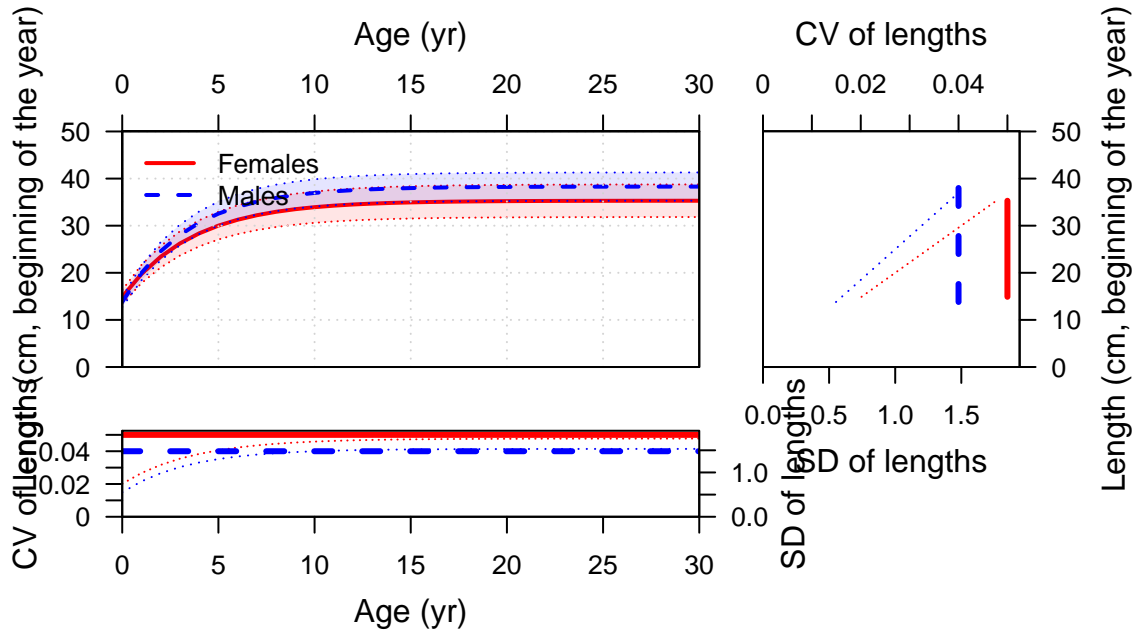
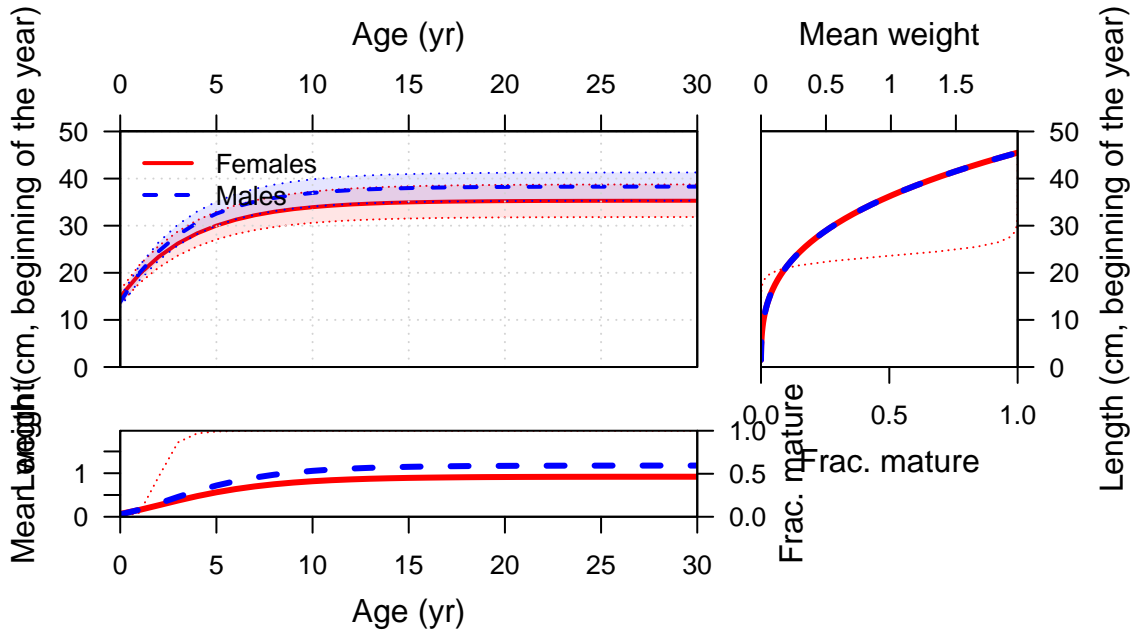


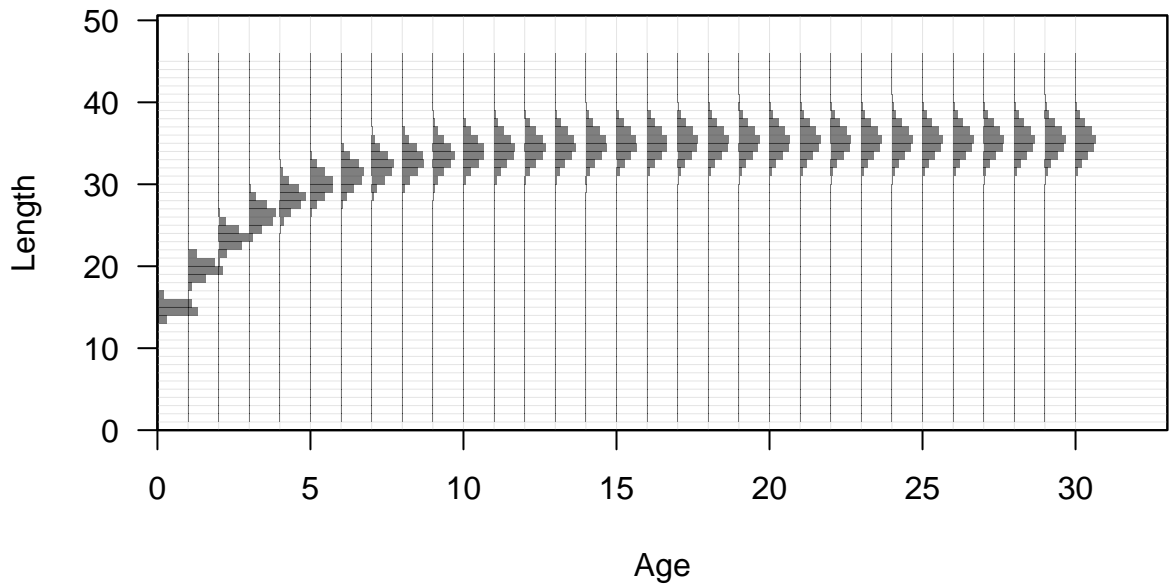
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Wed Jul 20 13:28:44 2022  
Data\_File: data.ss  
Control\_File: control.ss

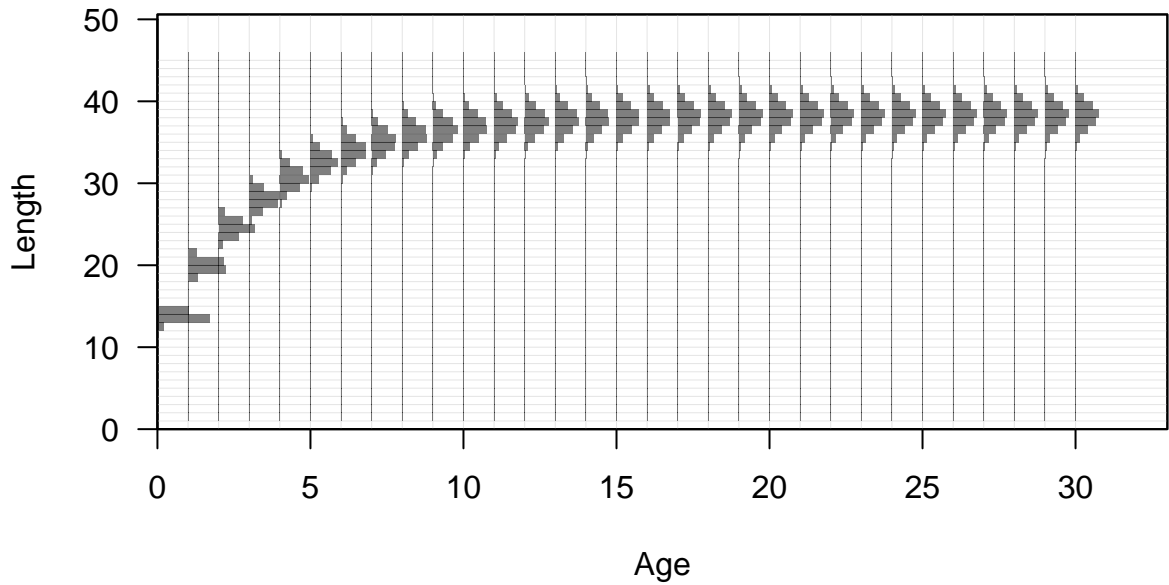
Length (cm, beginning of the year)

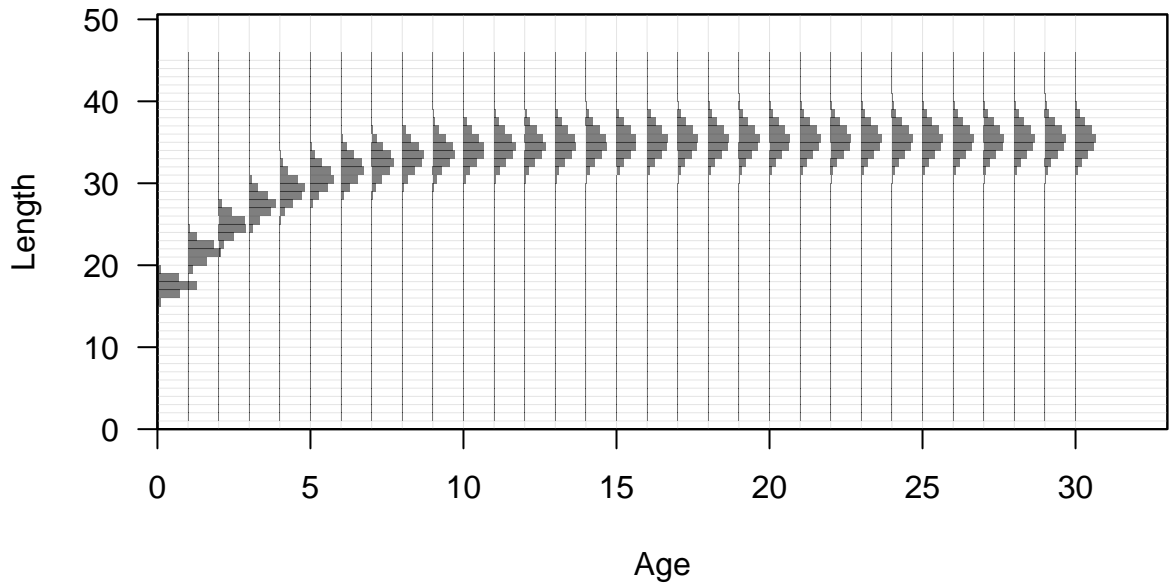


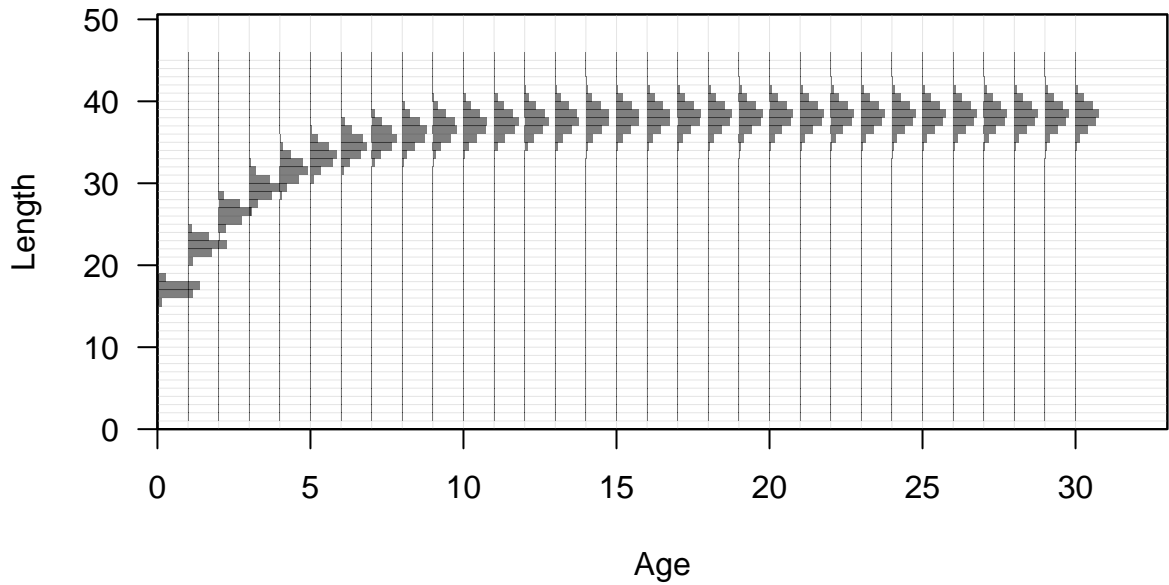




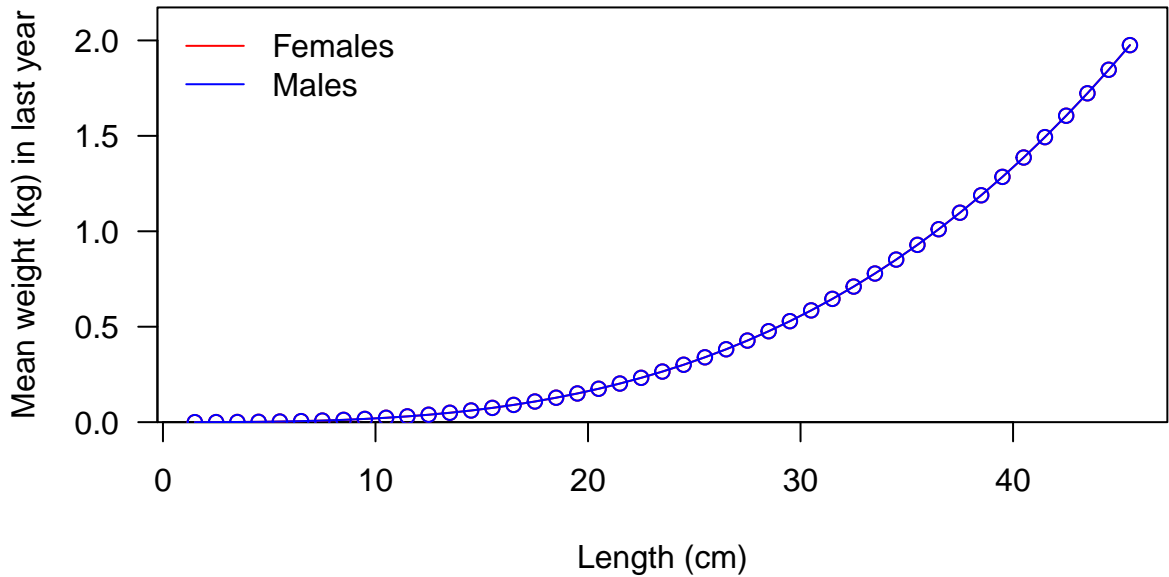


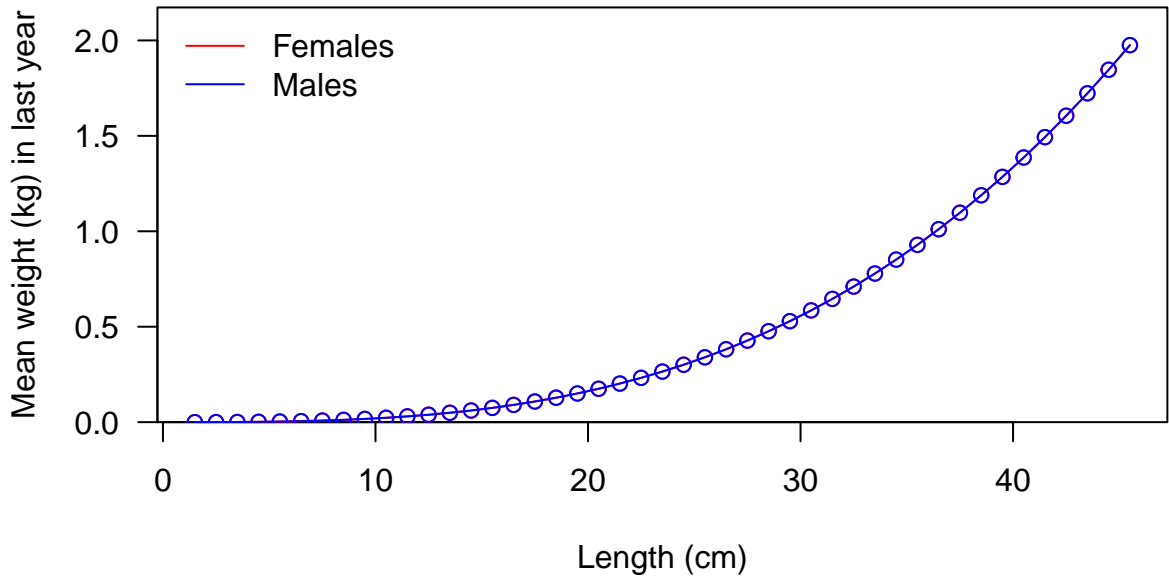


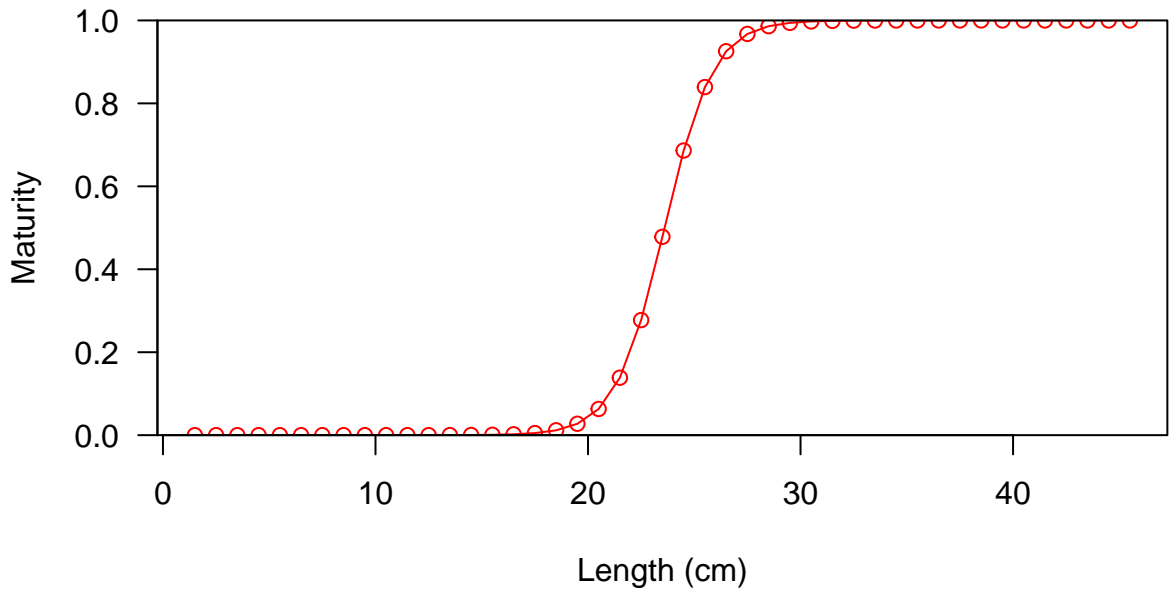


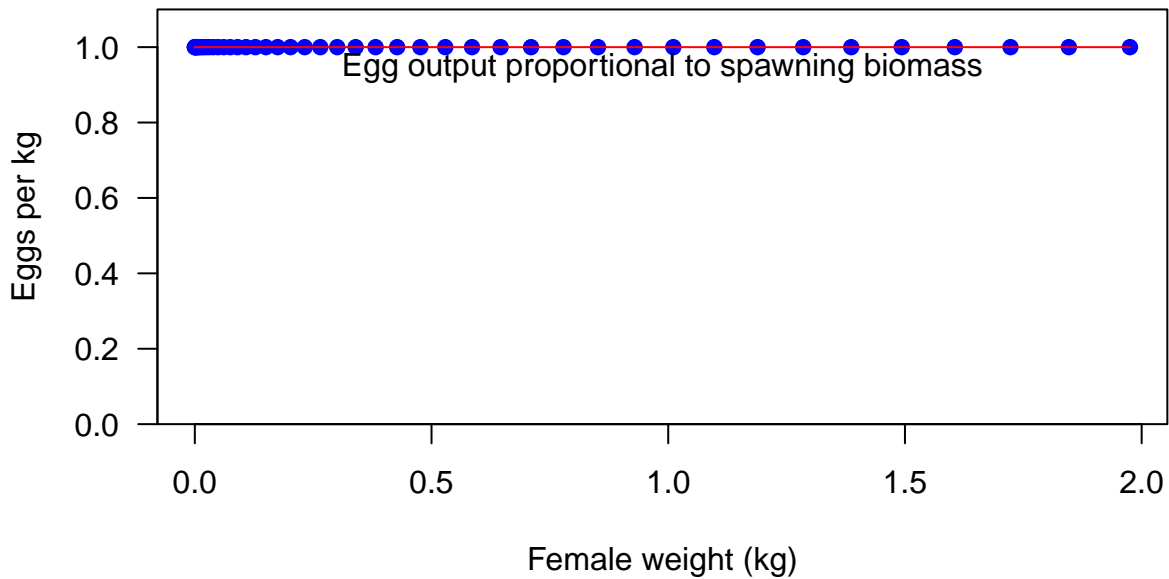


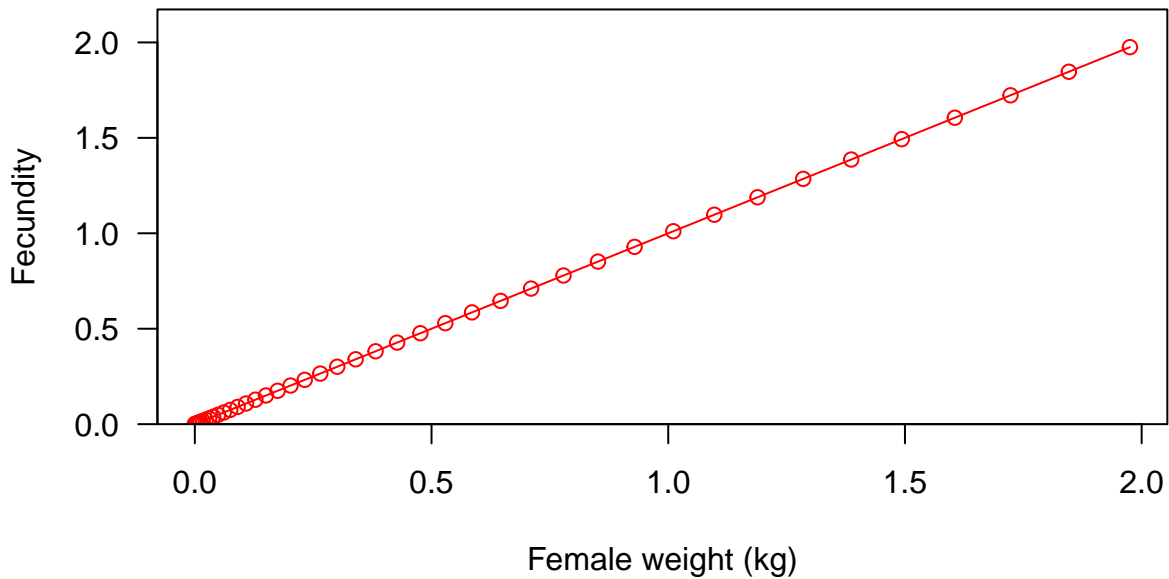


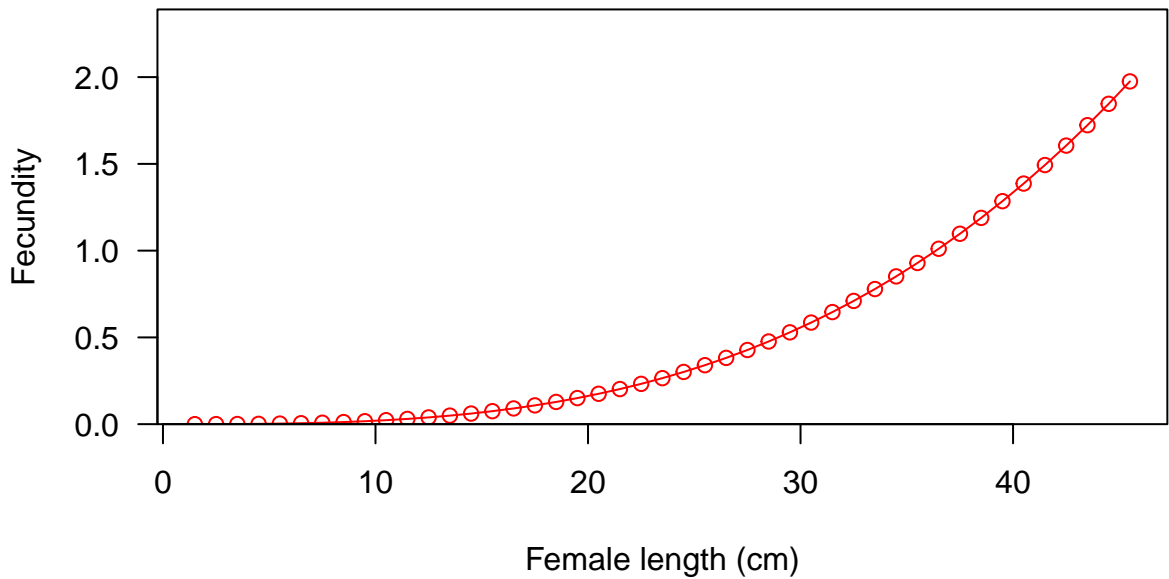


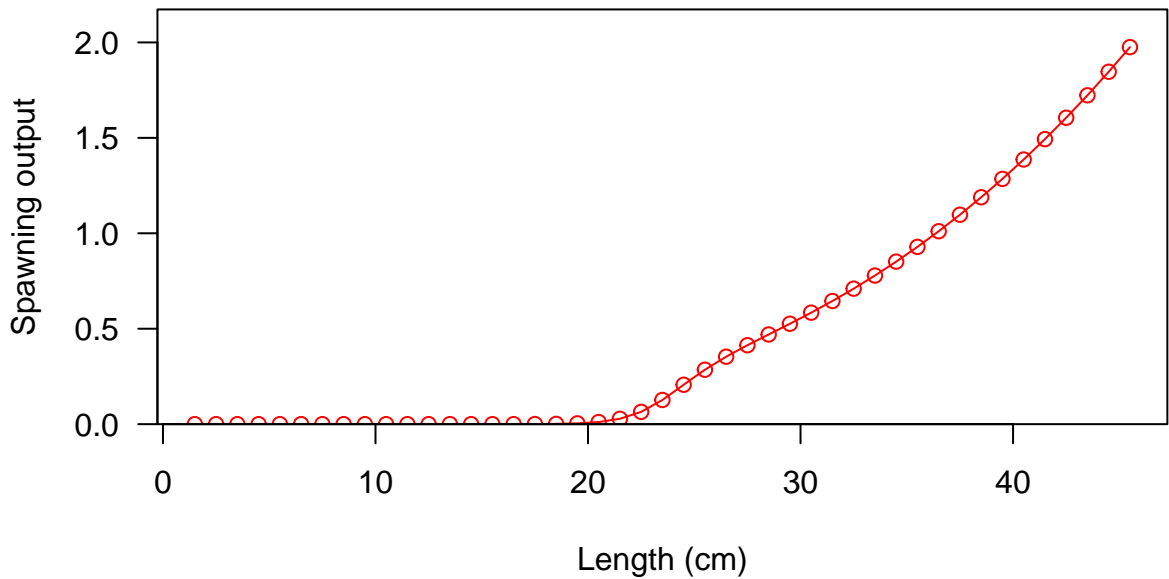


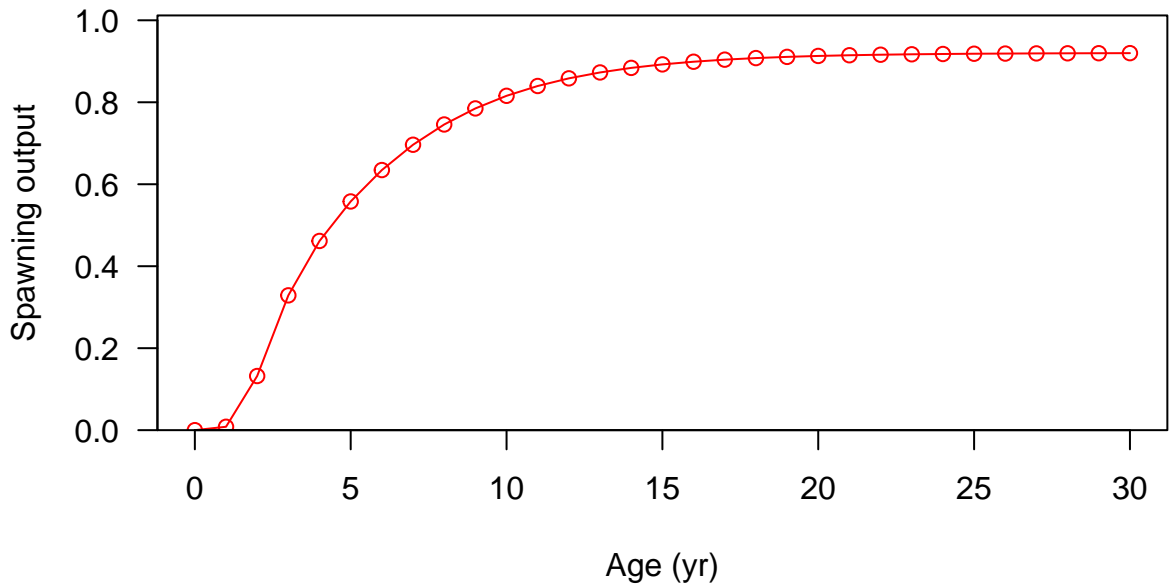






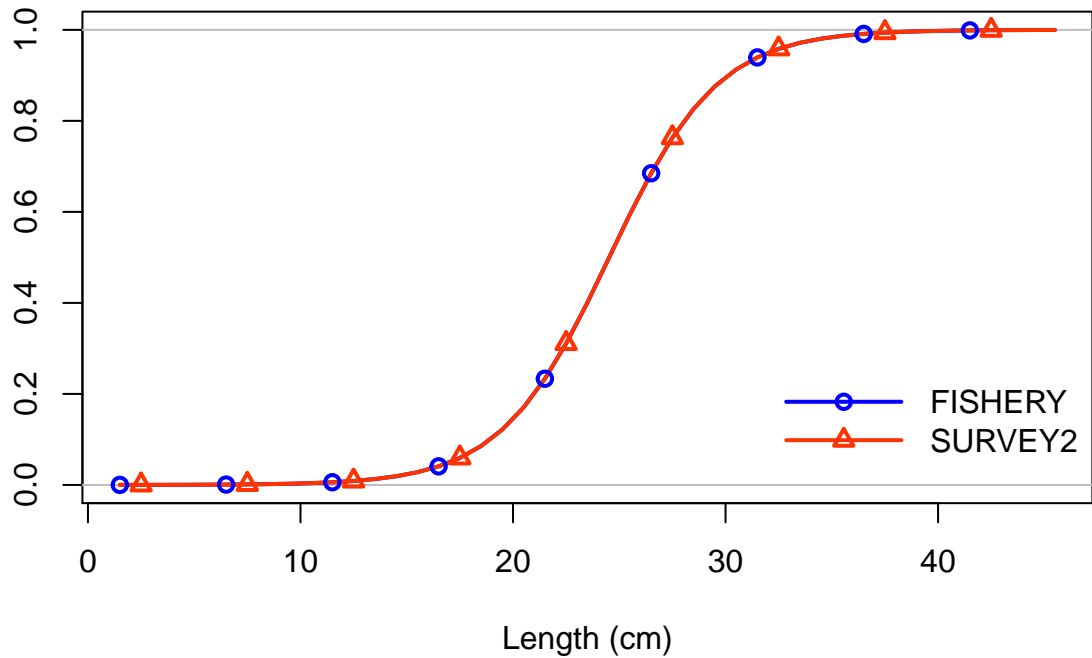




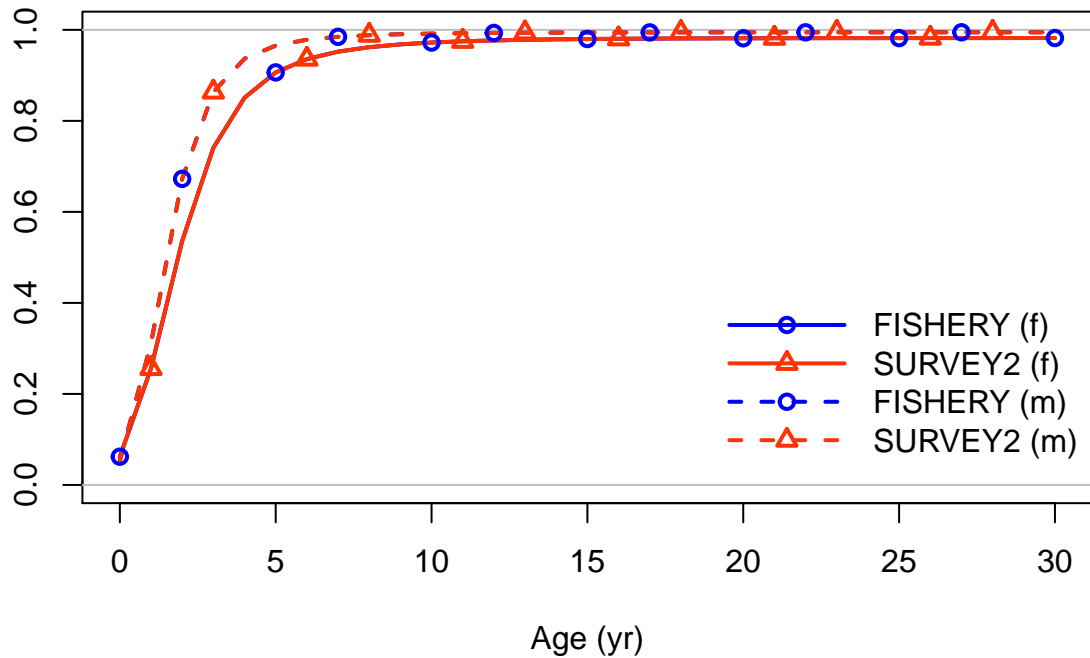




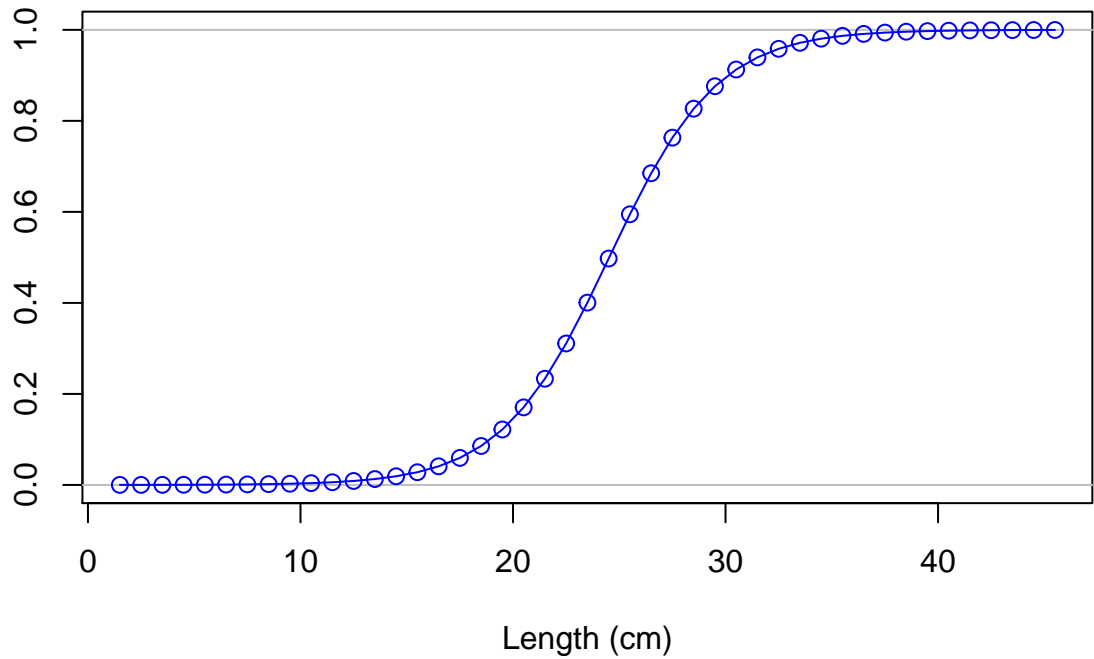
Selectivity



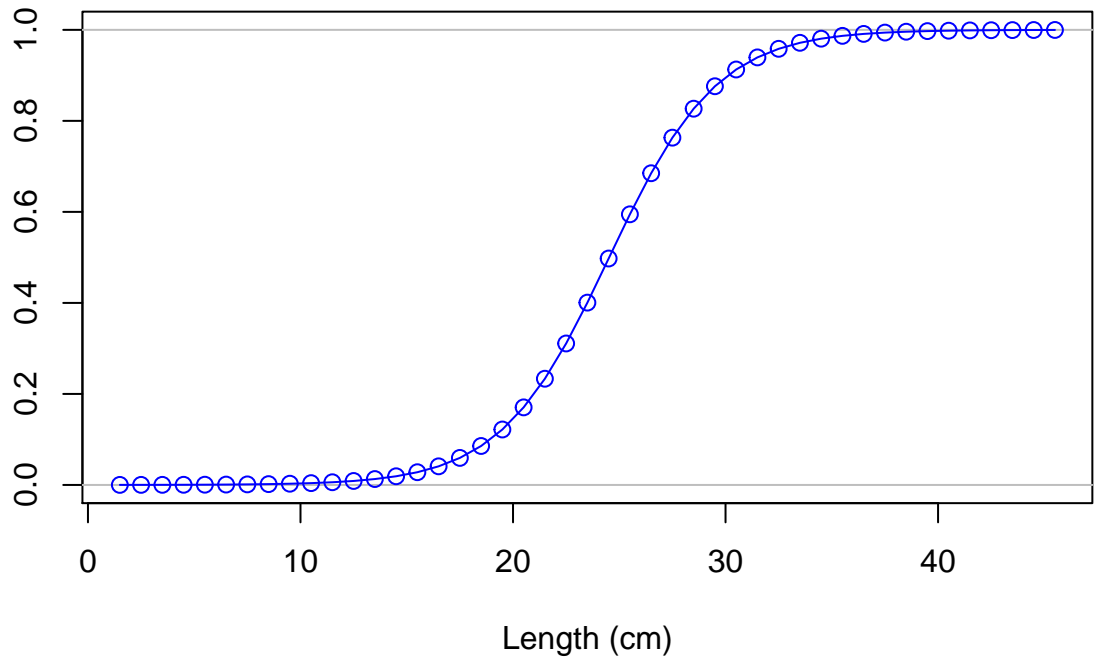
Selectivity



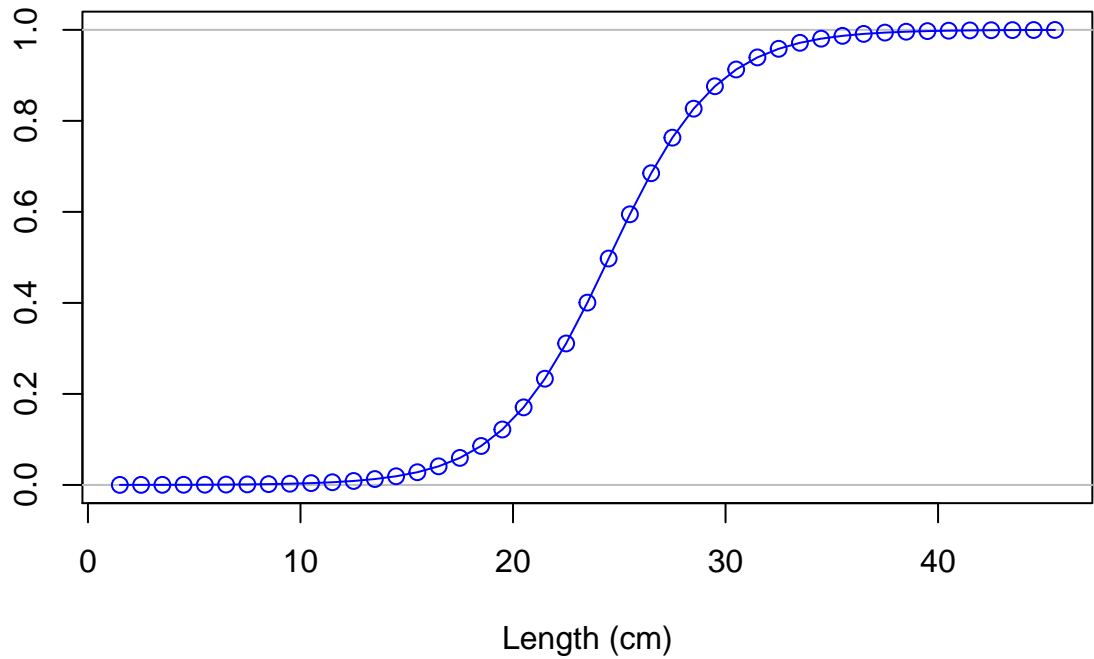
Selectivity



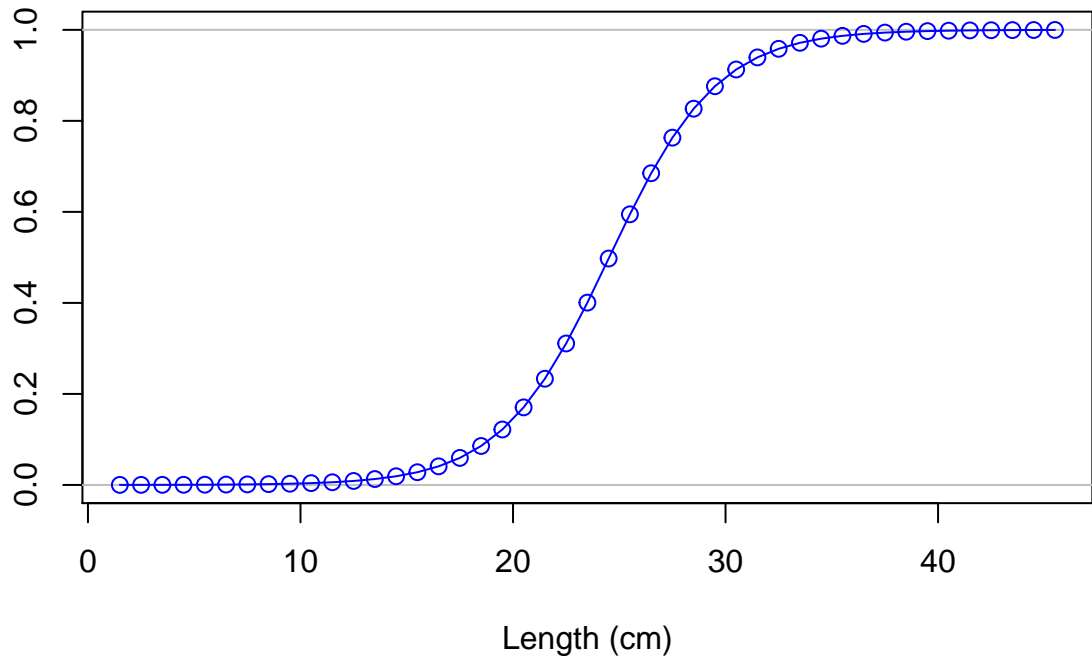
Selectivity

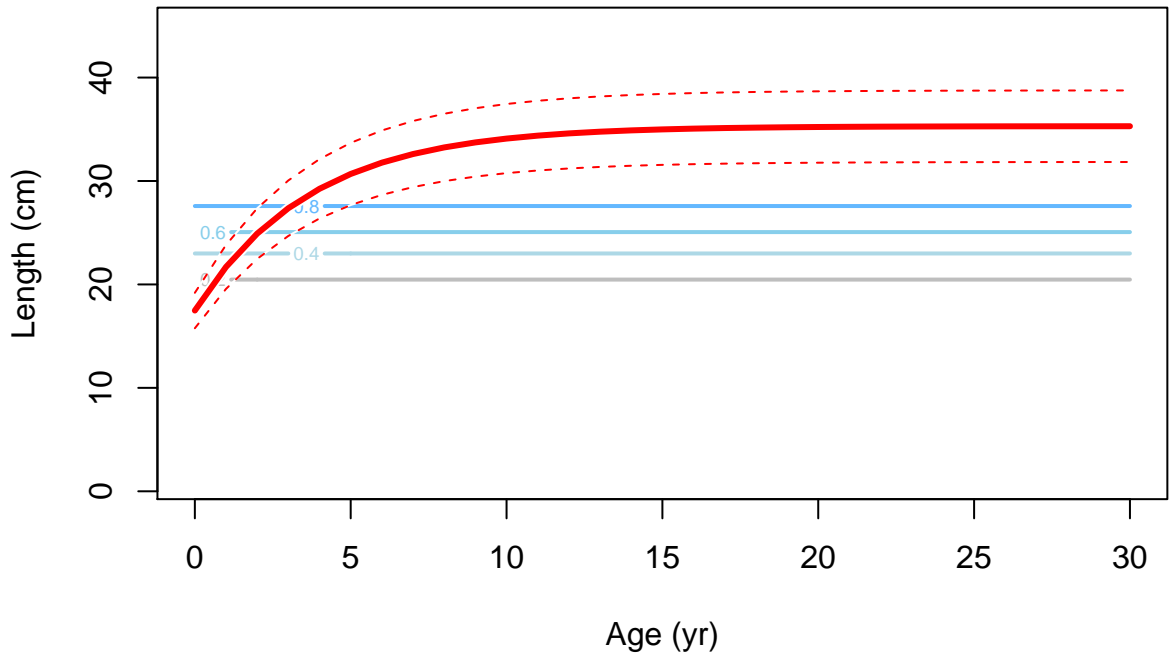


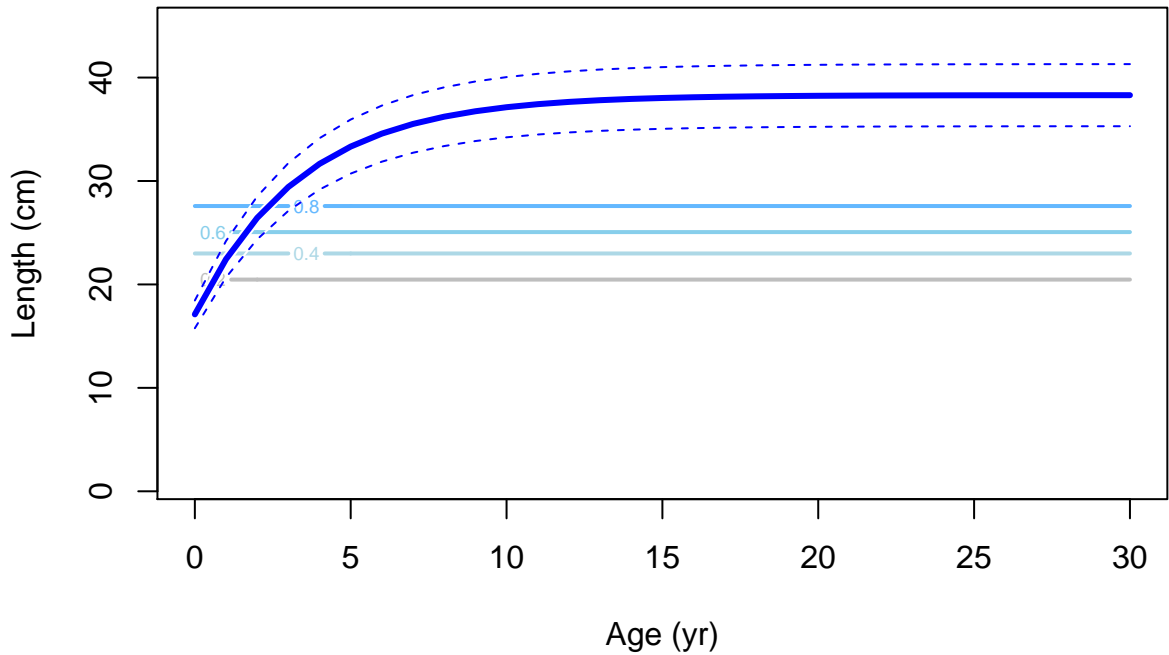
Selectivity



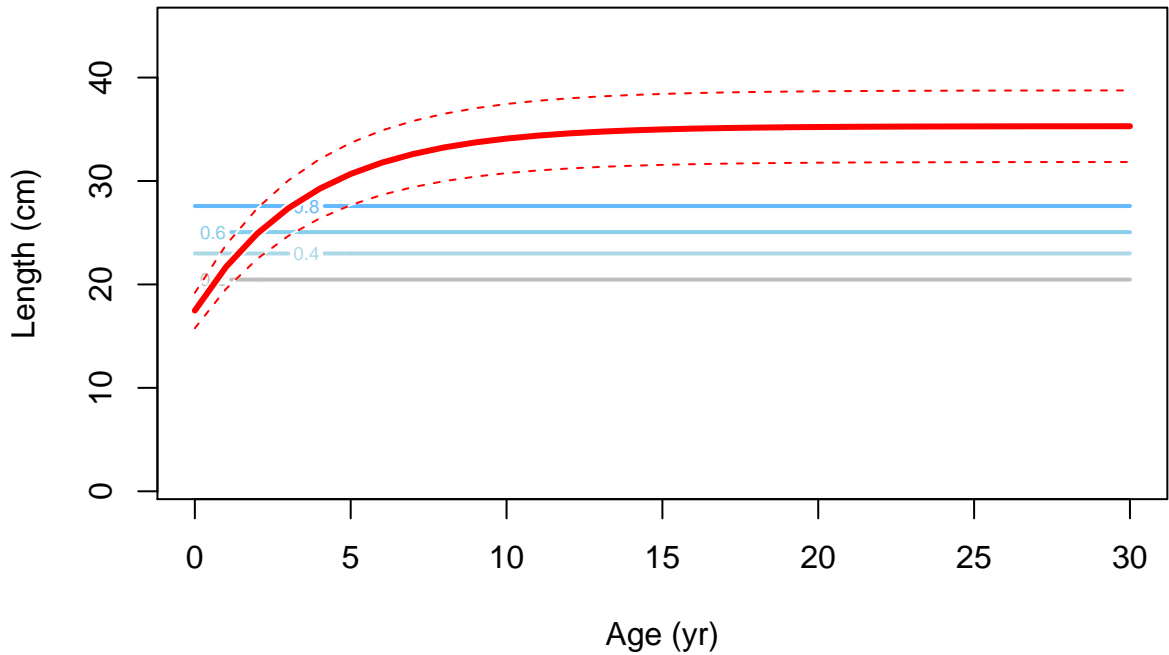
Selectivity

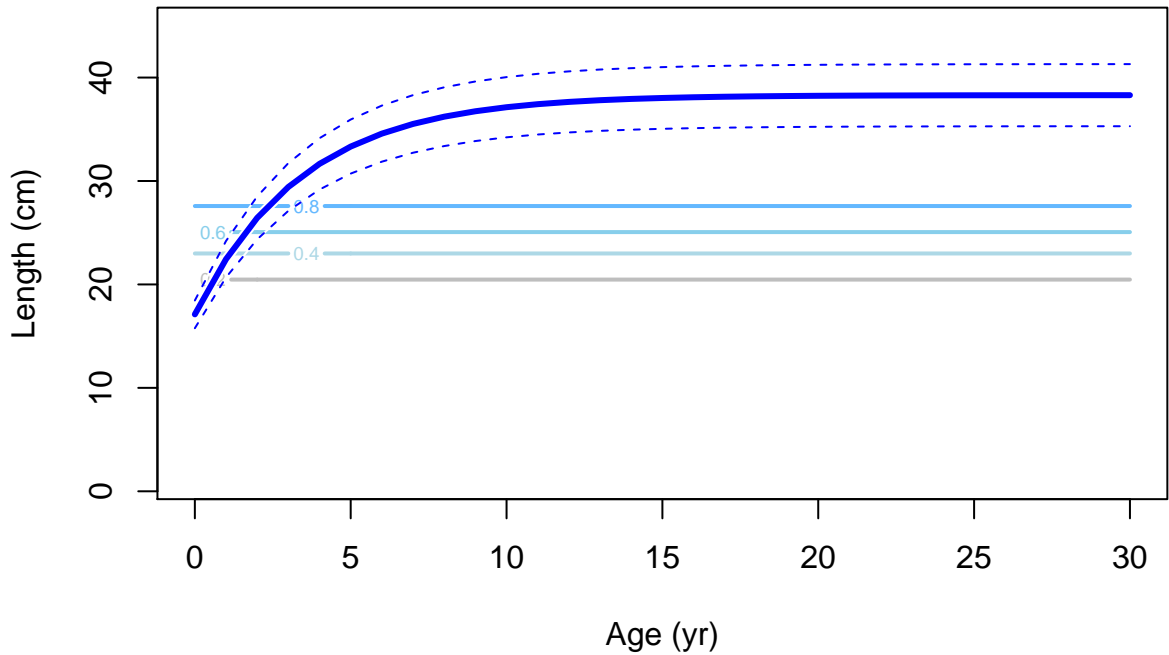


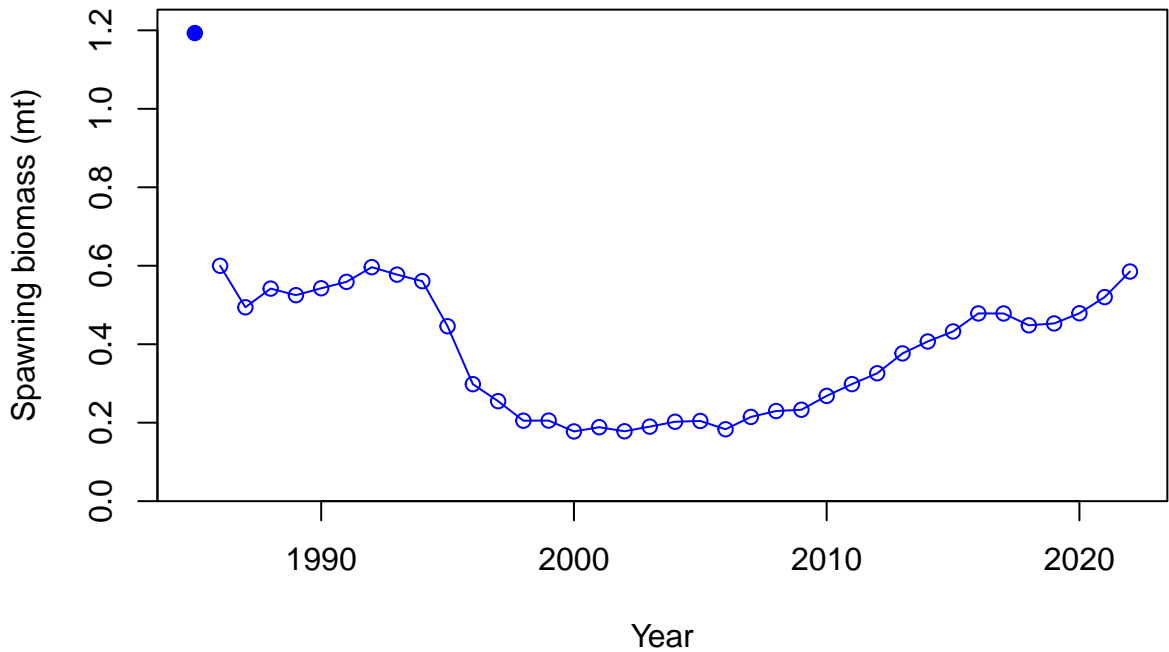


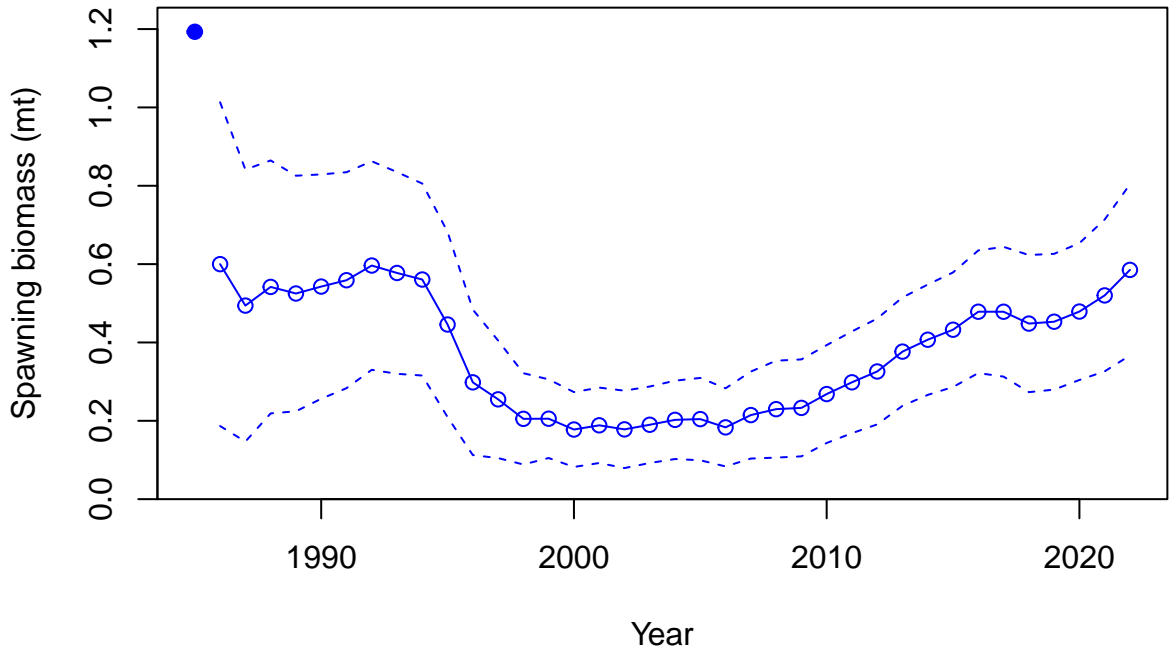




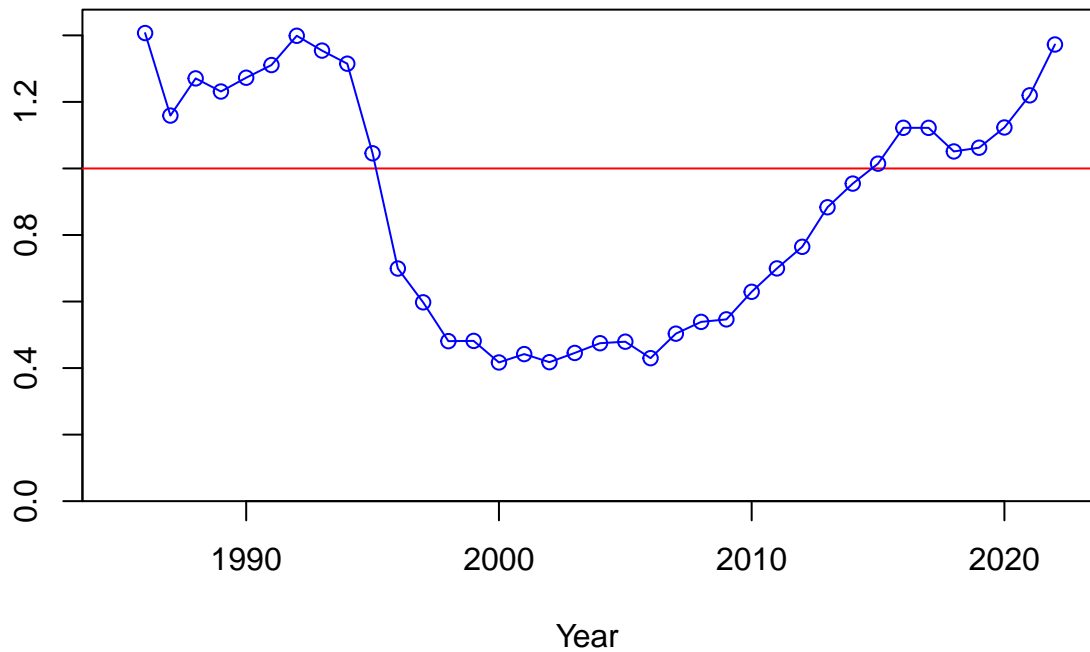




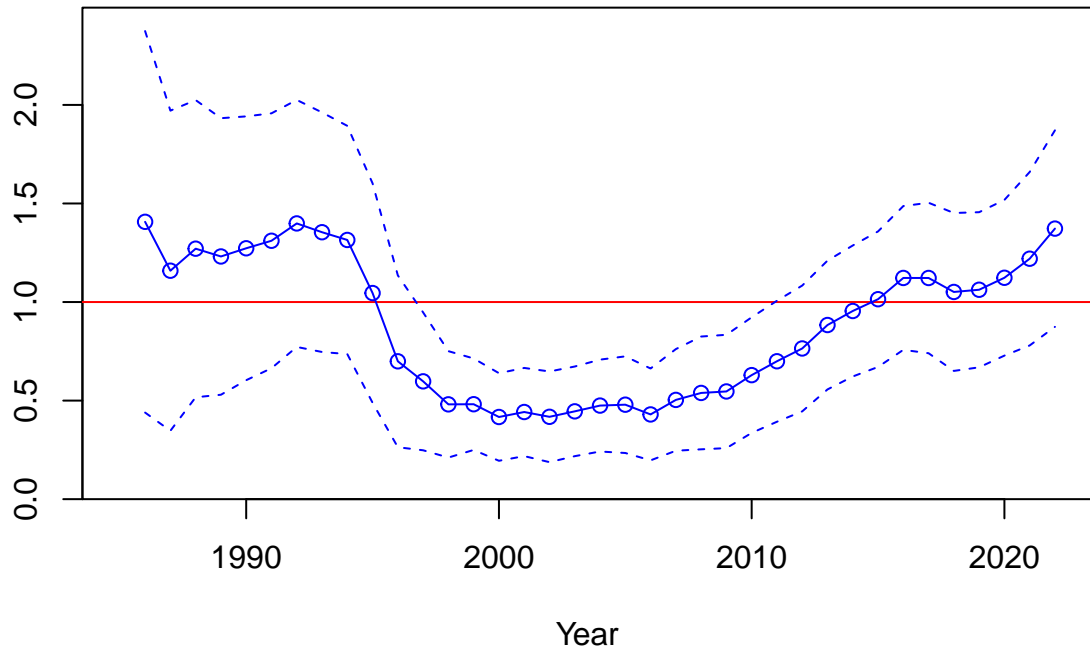


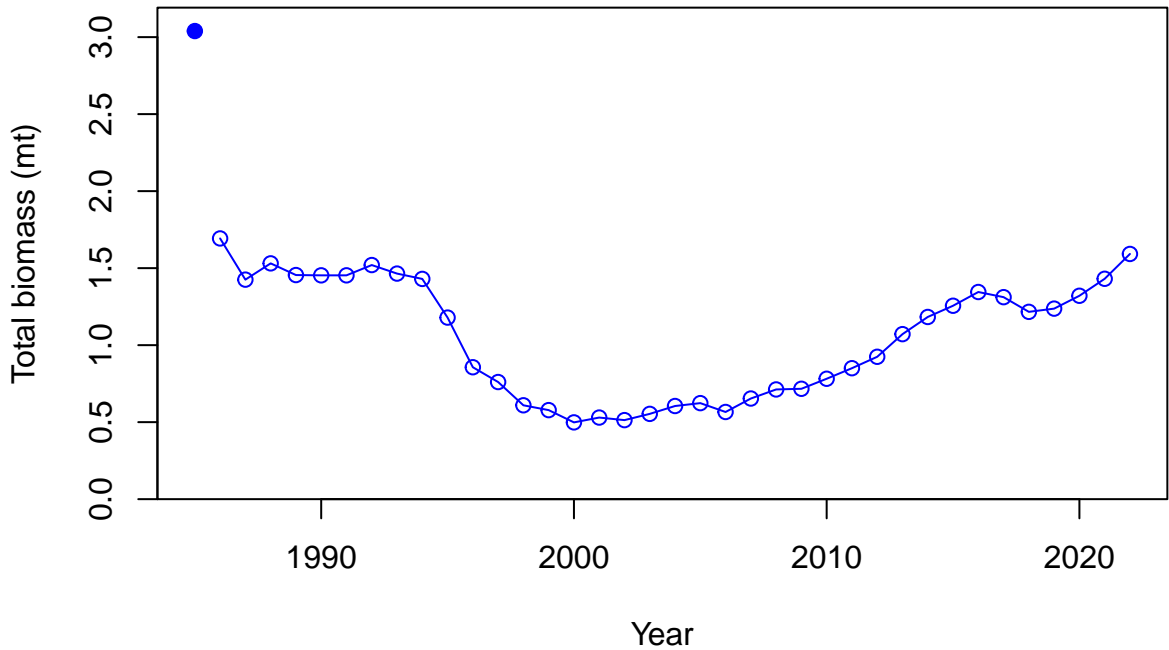


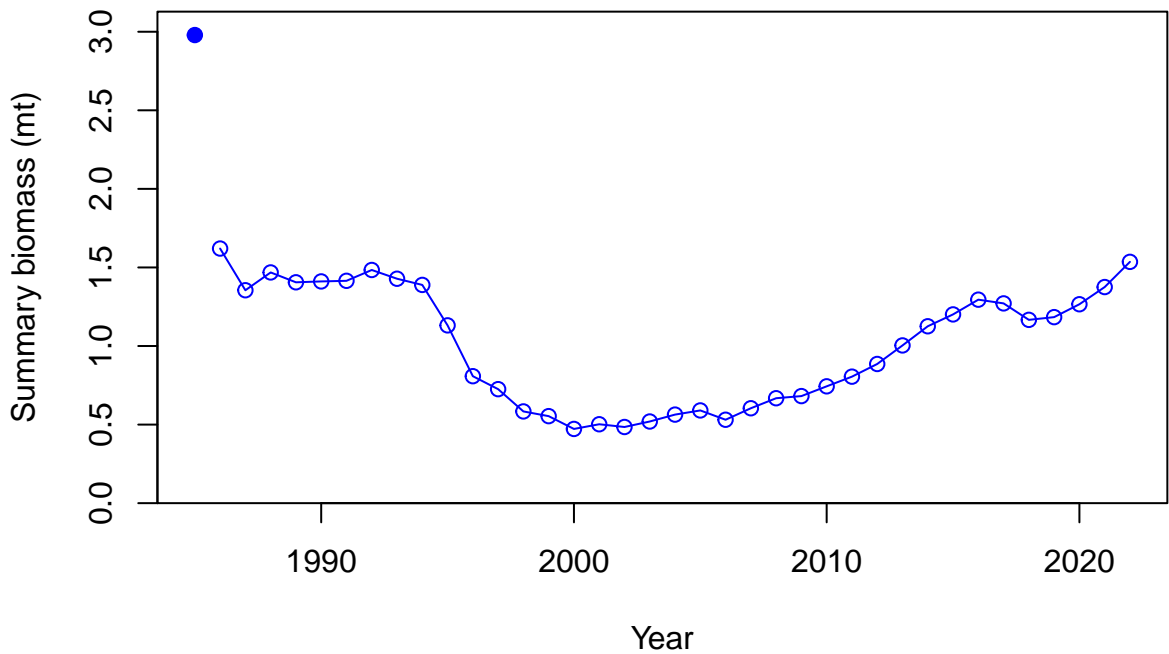
Relative spawning biomass:  $B/B_{MSY}$



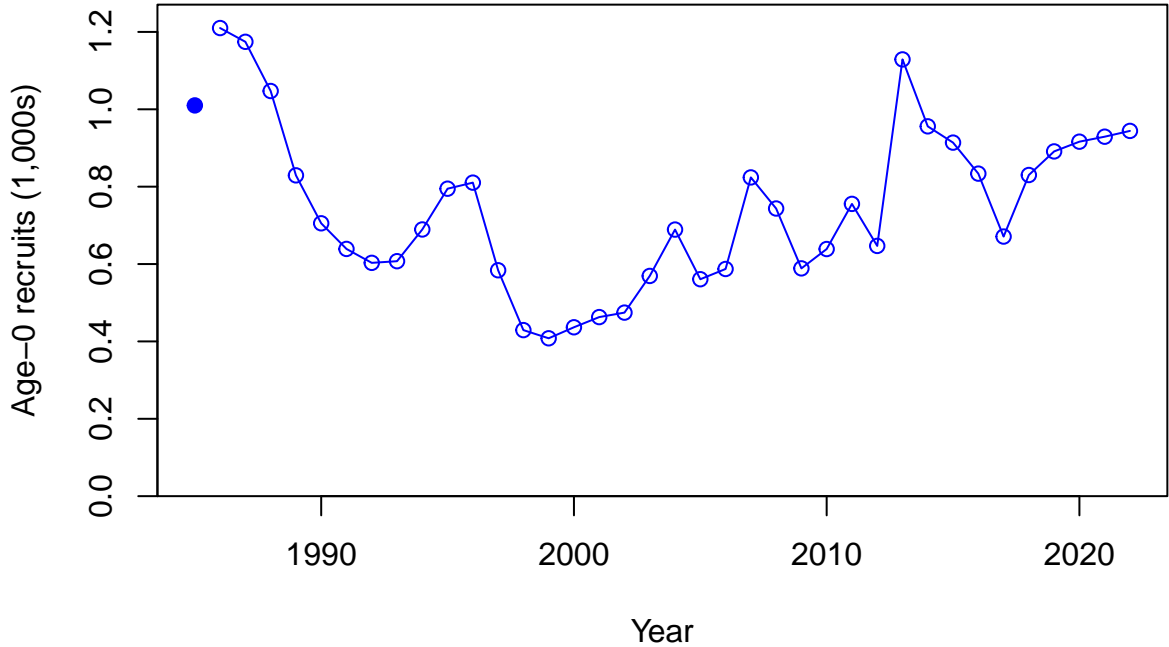
Relative spawning biomass:  $B/B_{MSY}$

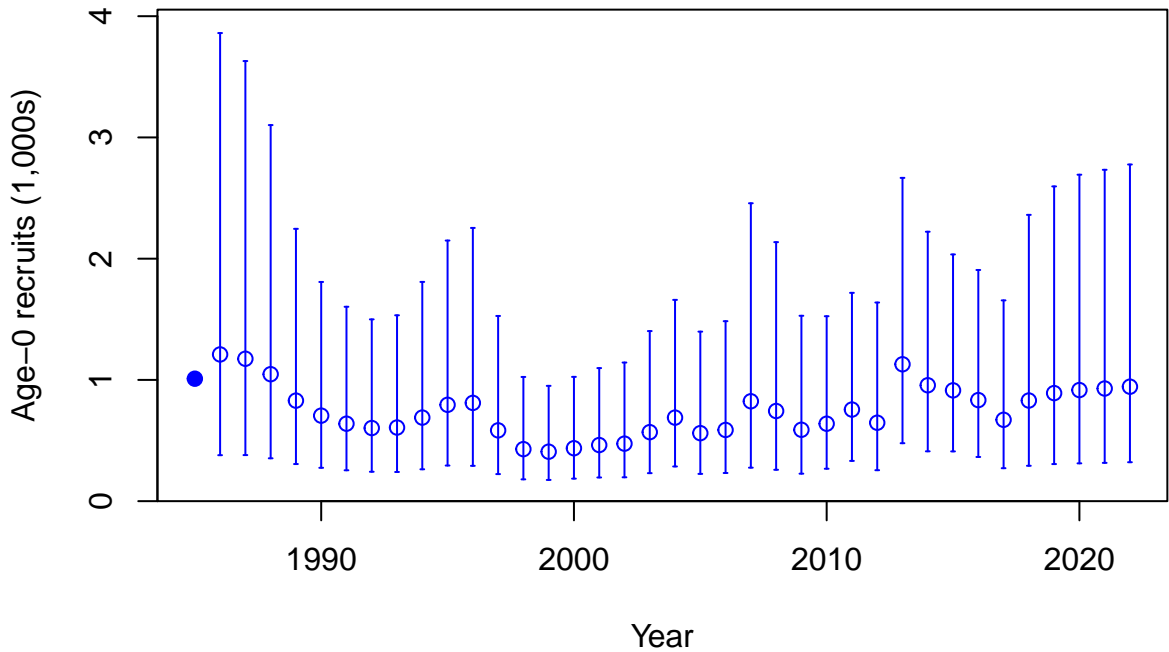




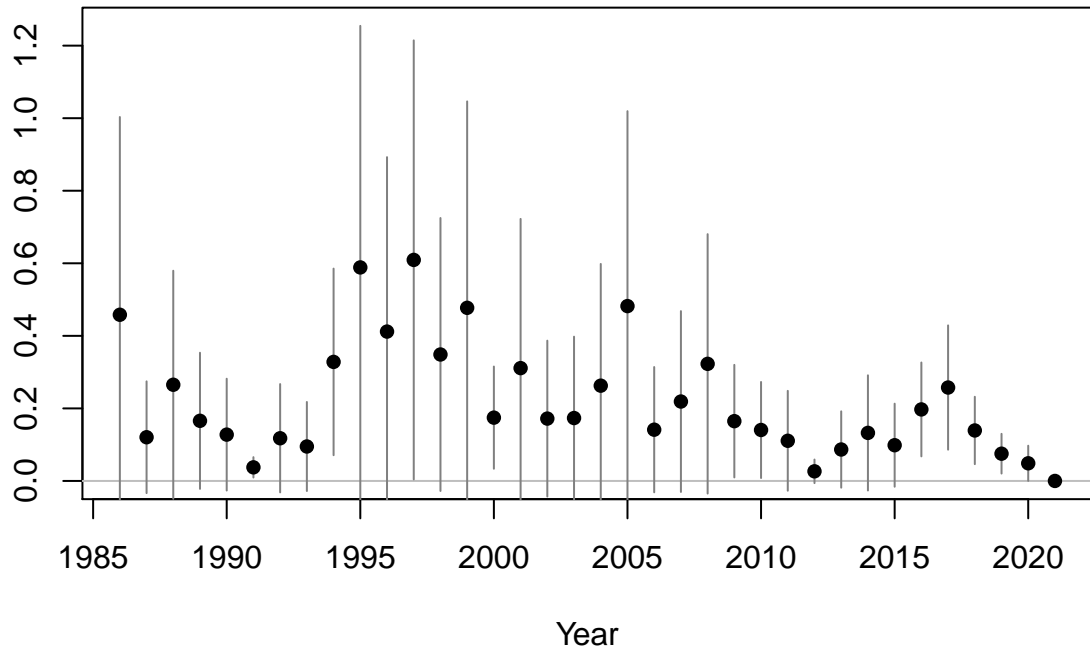


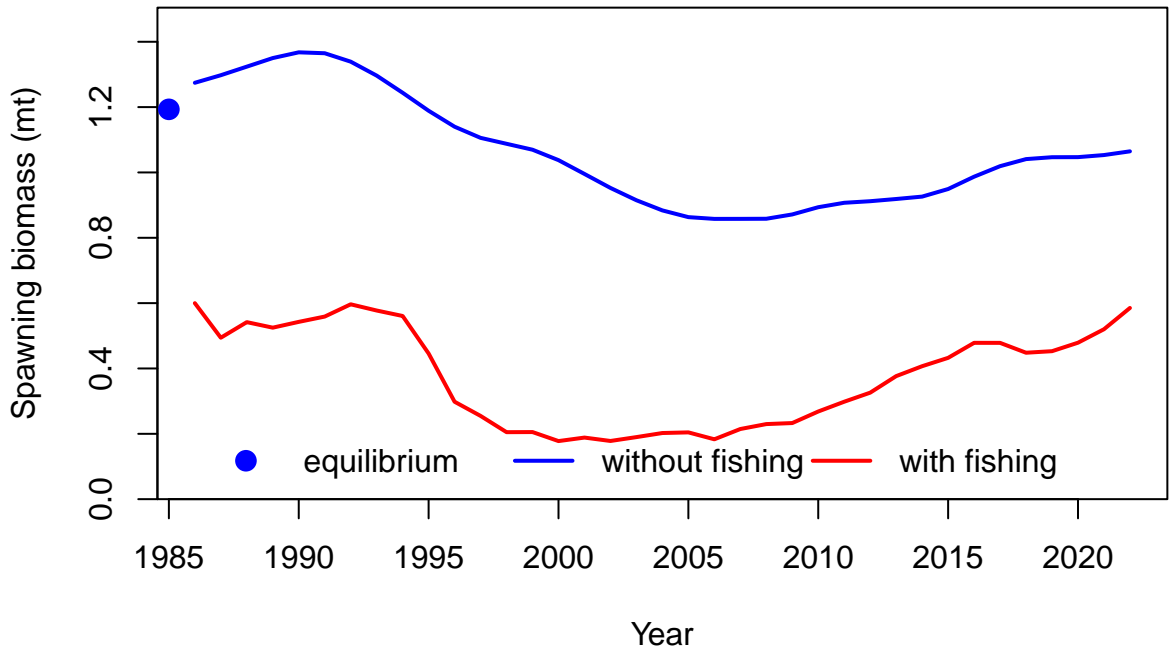




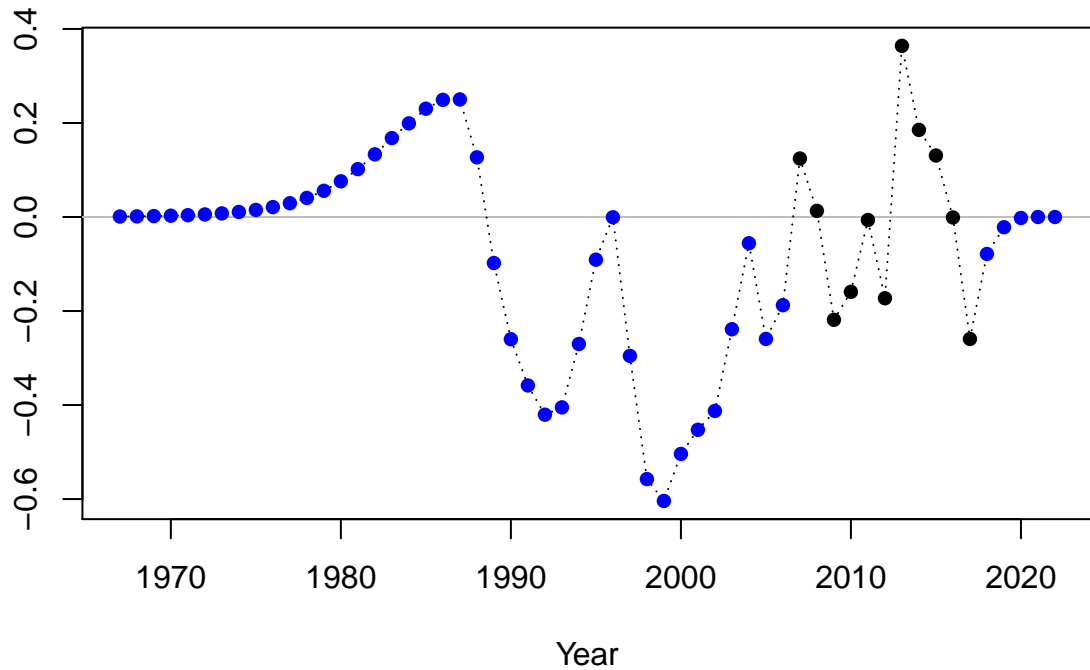


Summary Fishing Mortality

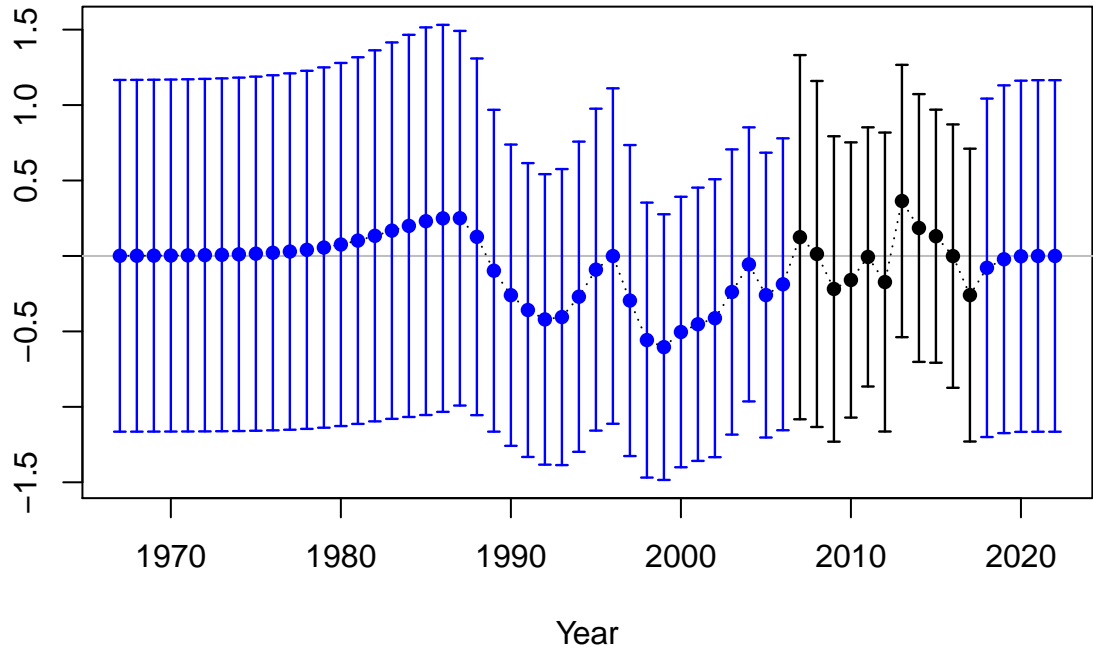




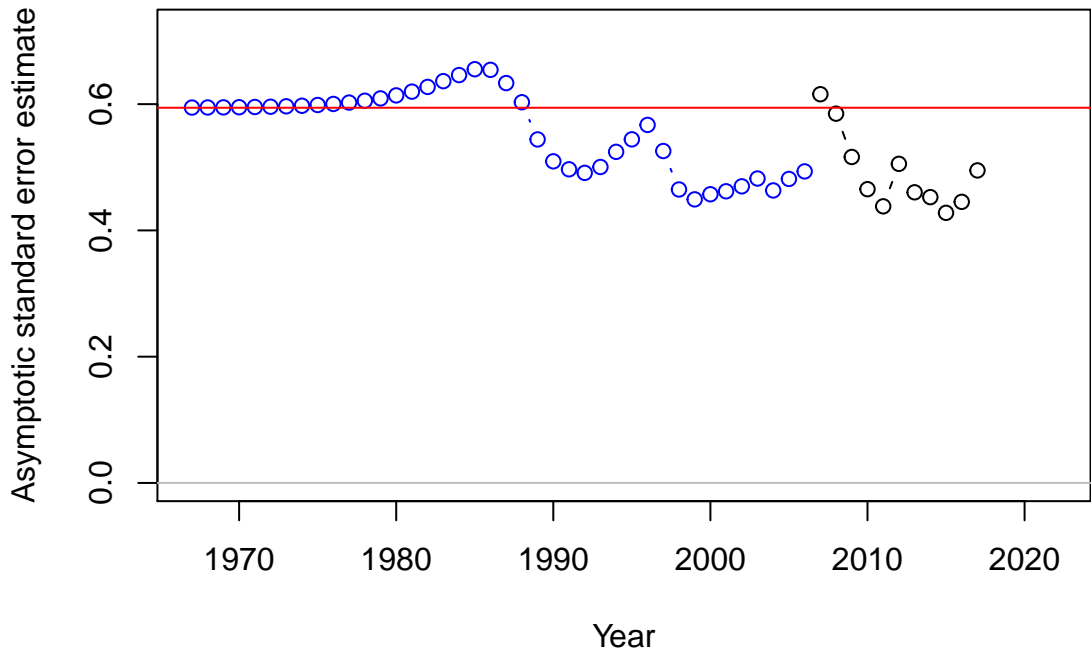
Log recruitment deviation

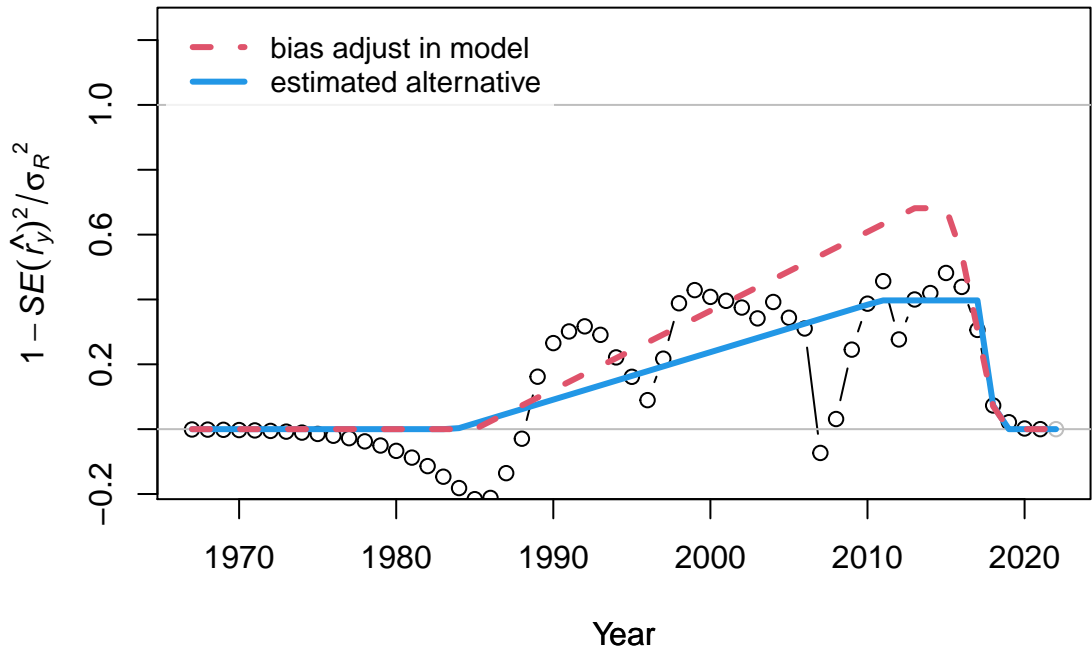


Log recruitment deviation

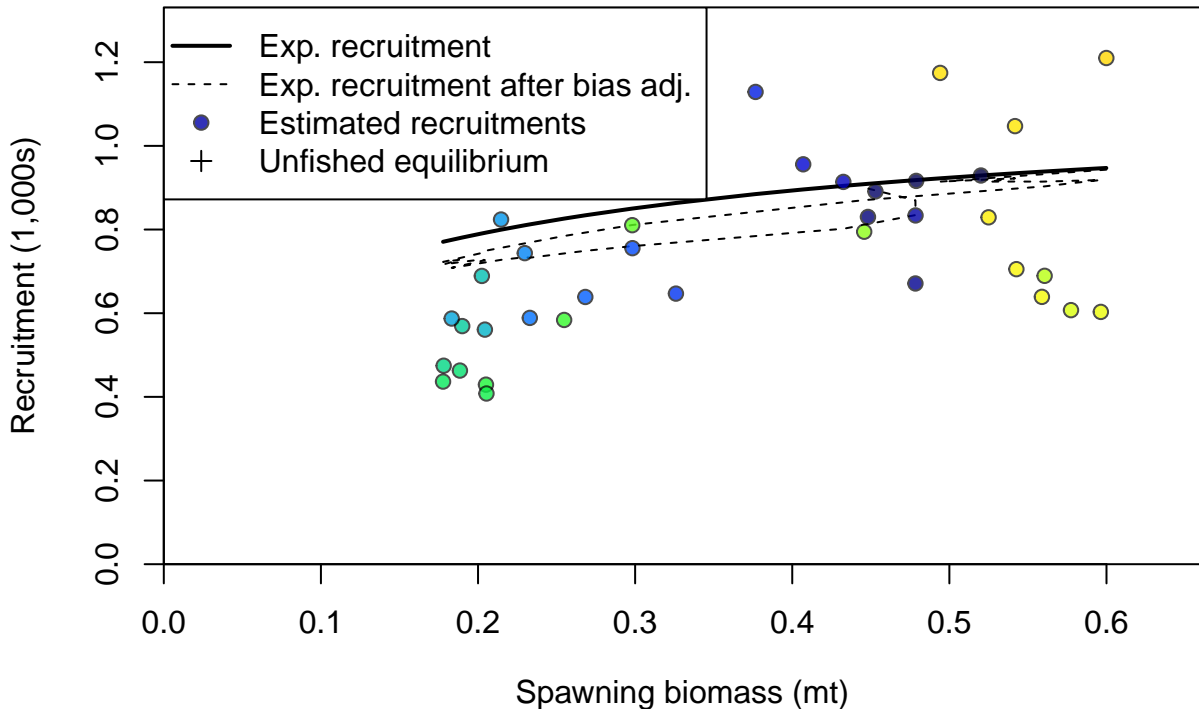


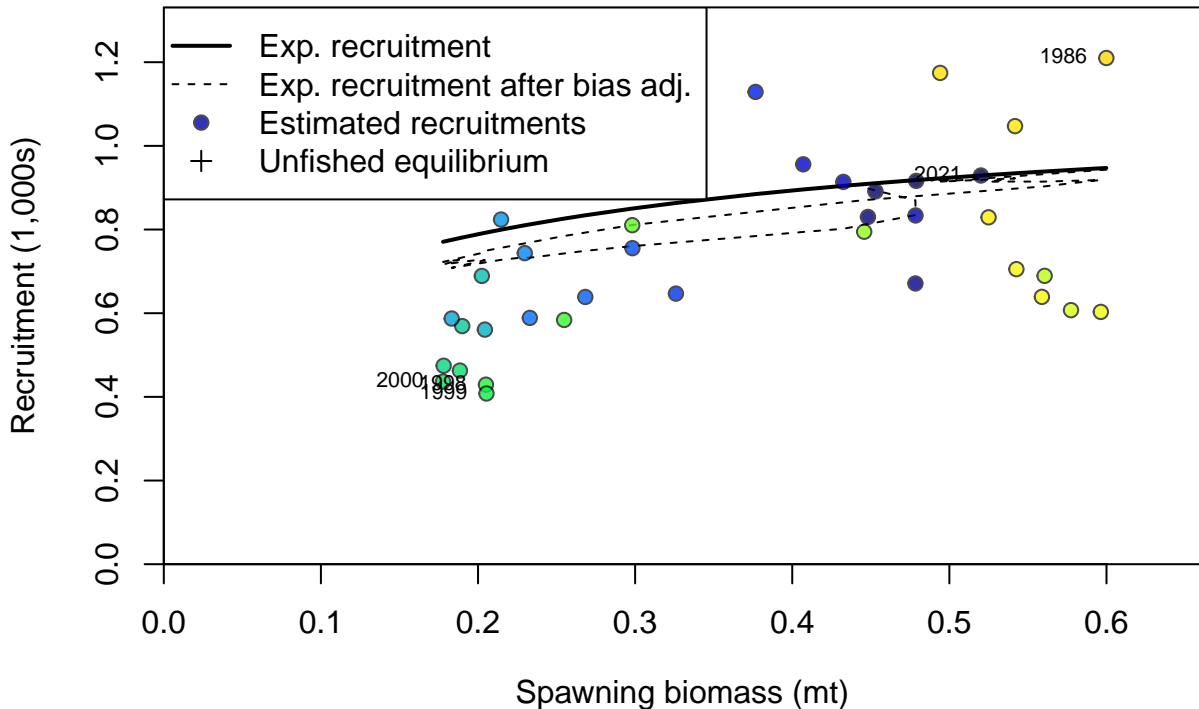
## Recruitment deviation variance

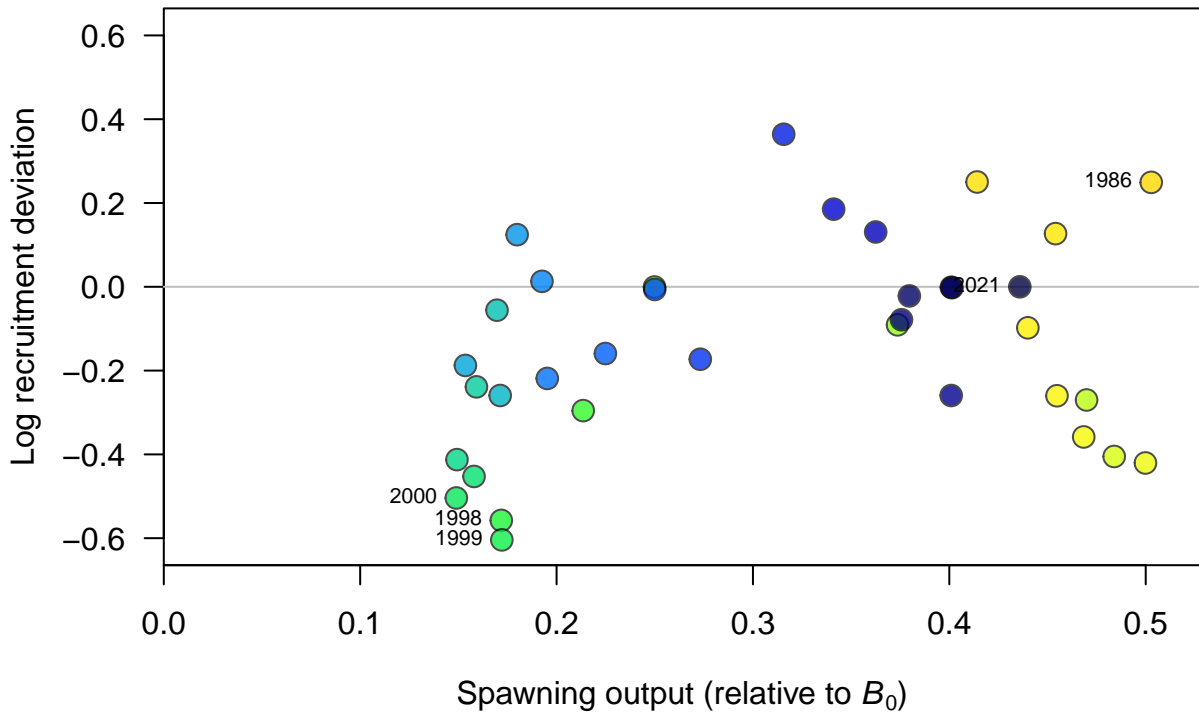


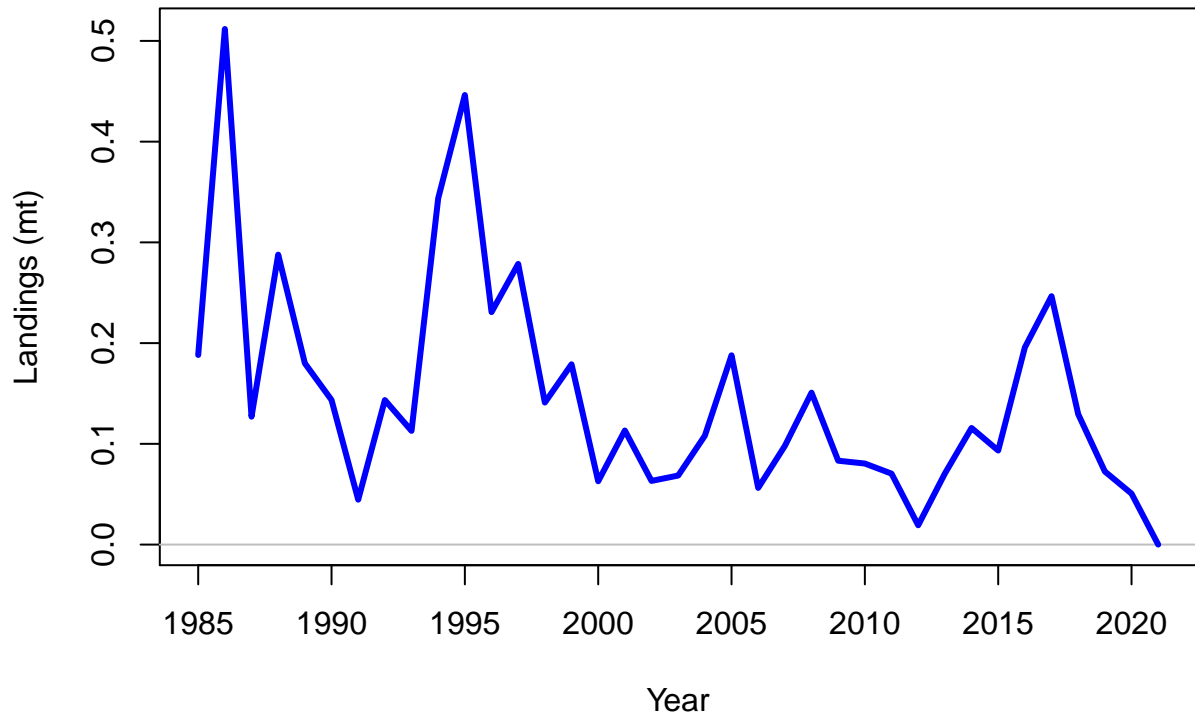


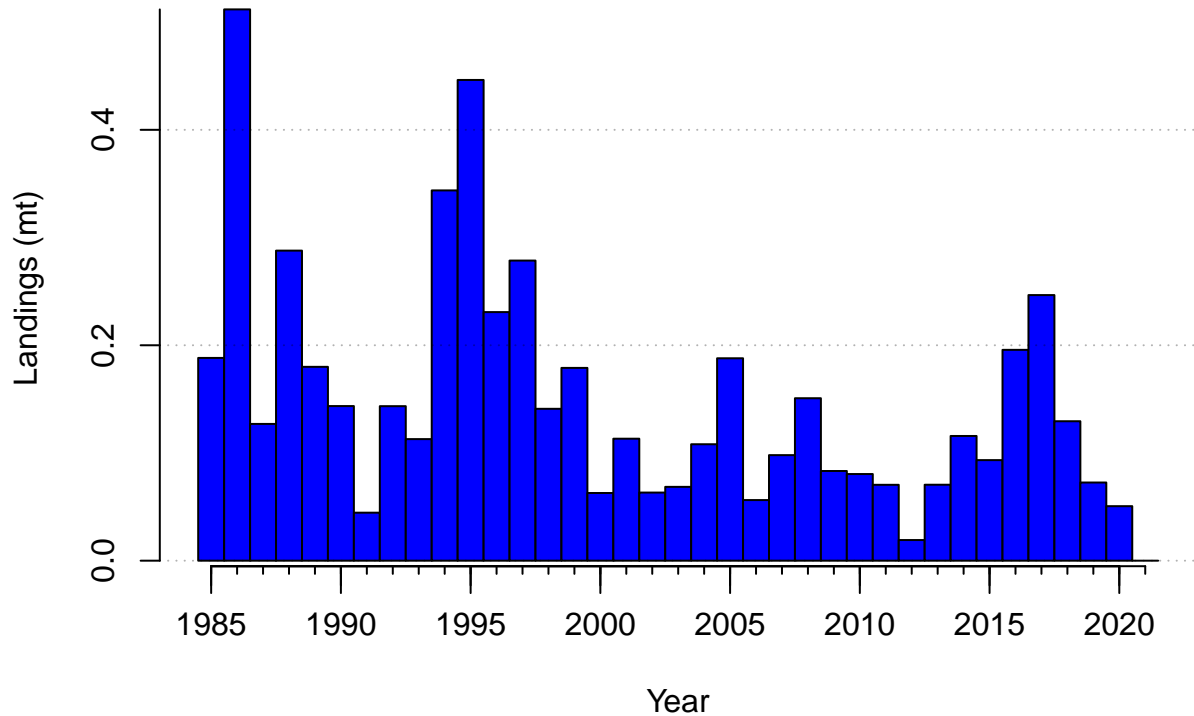


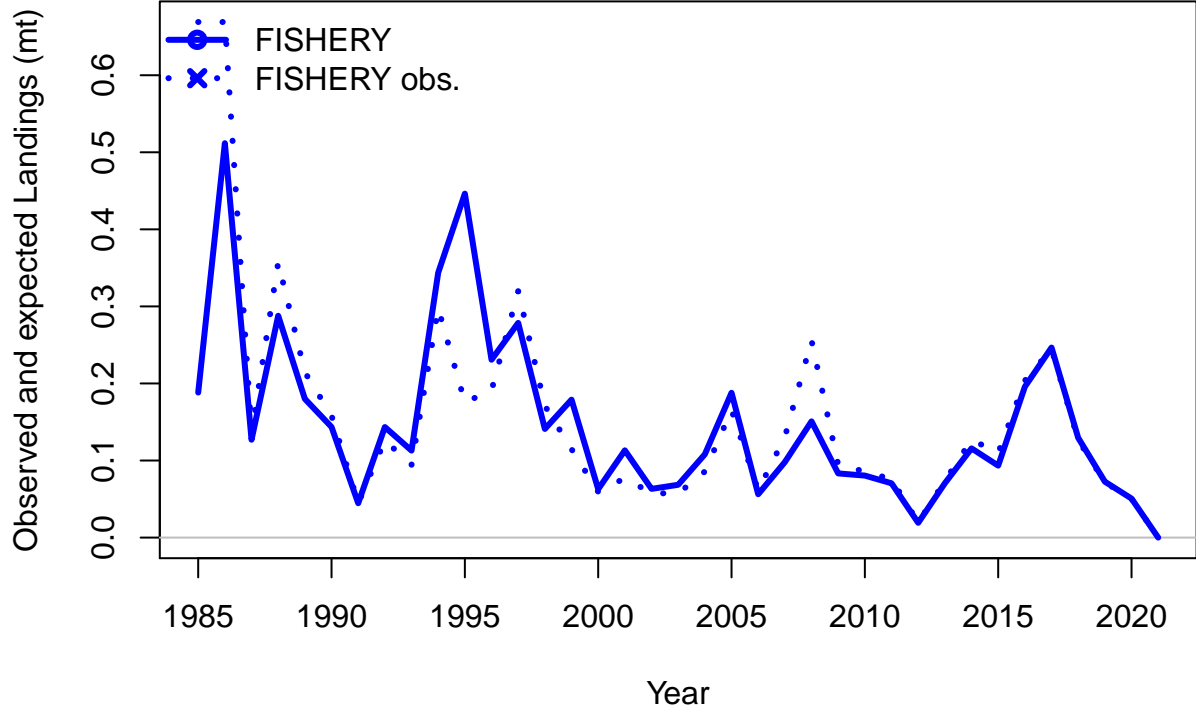


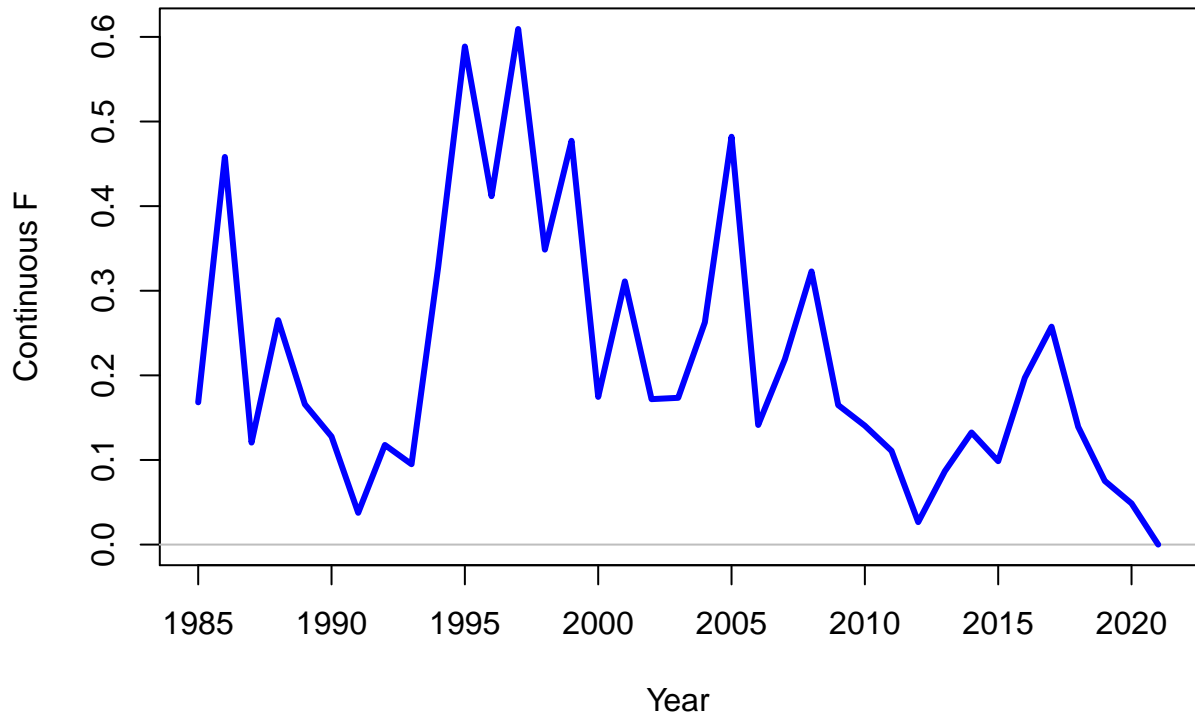




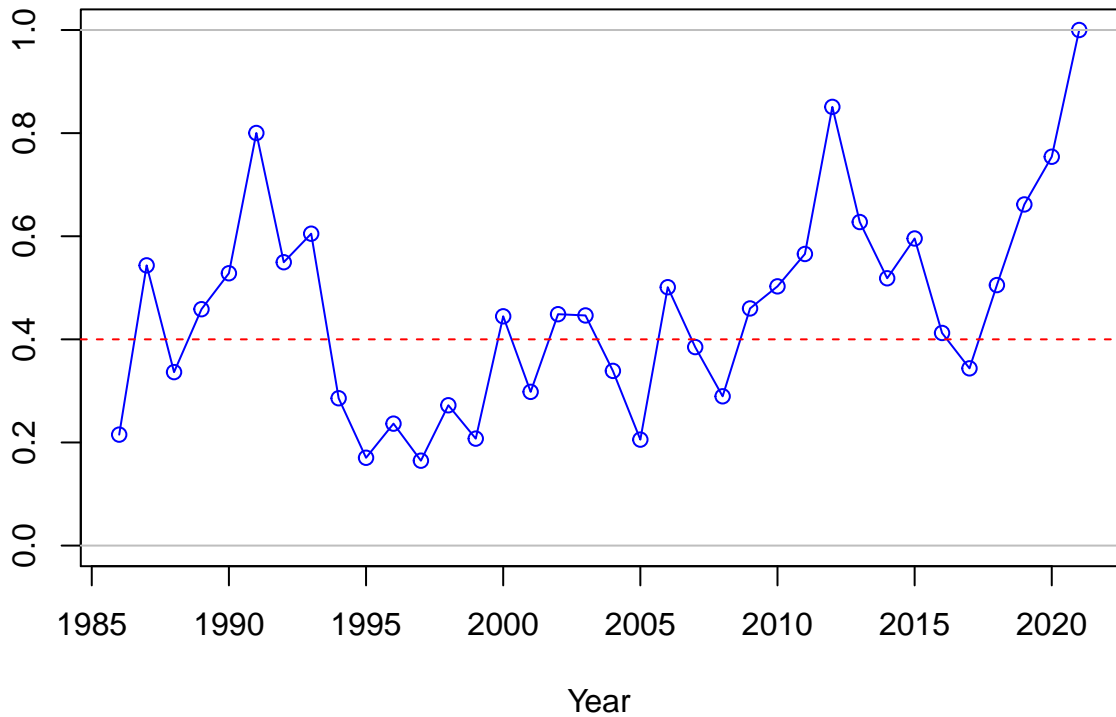




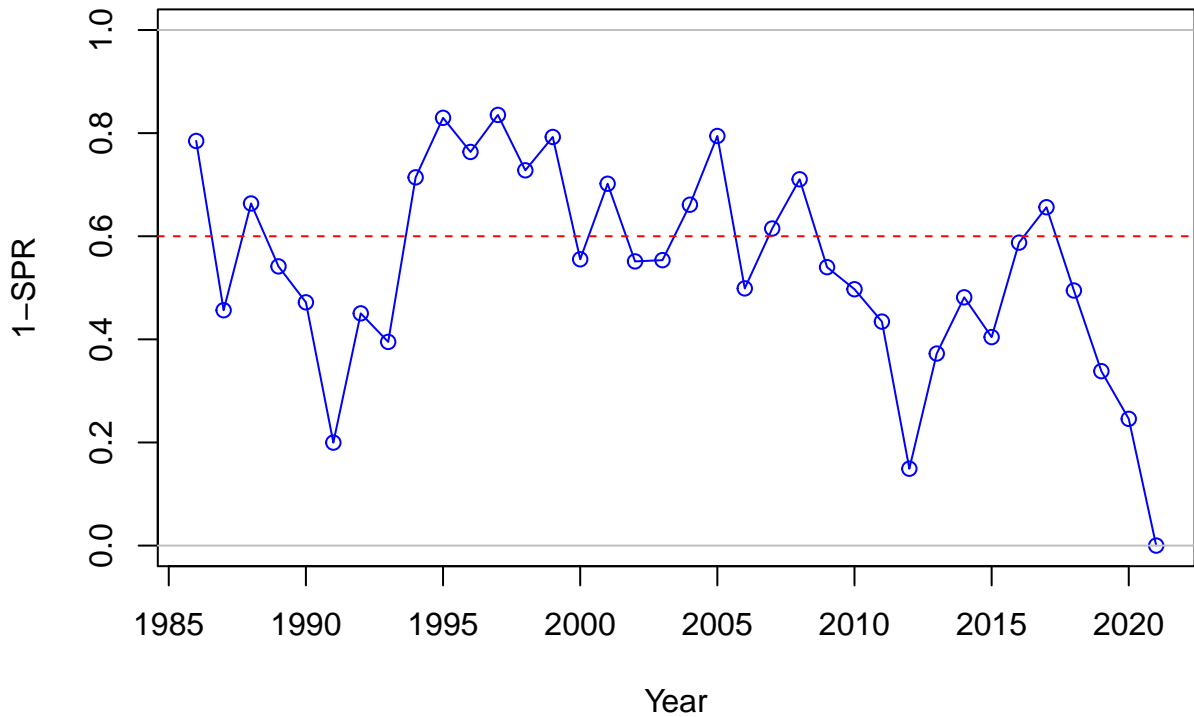




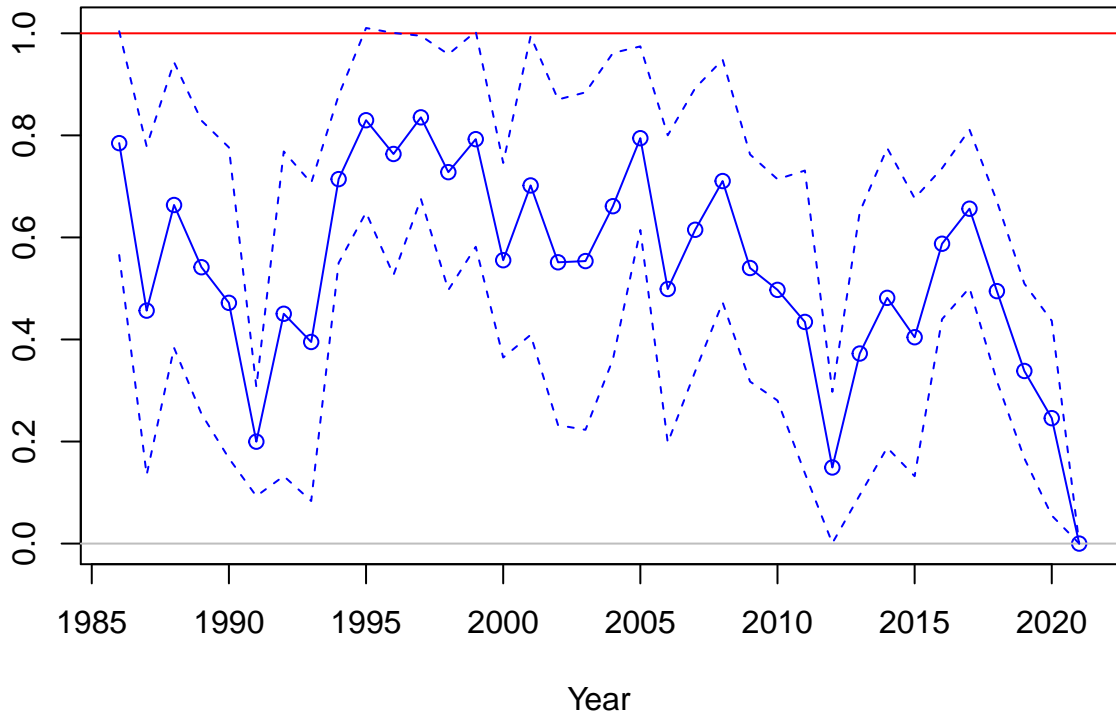
SPR



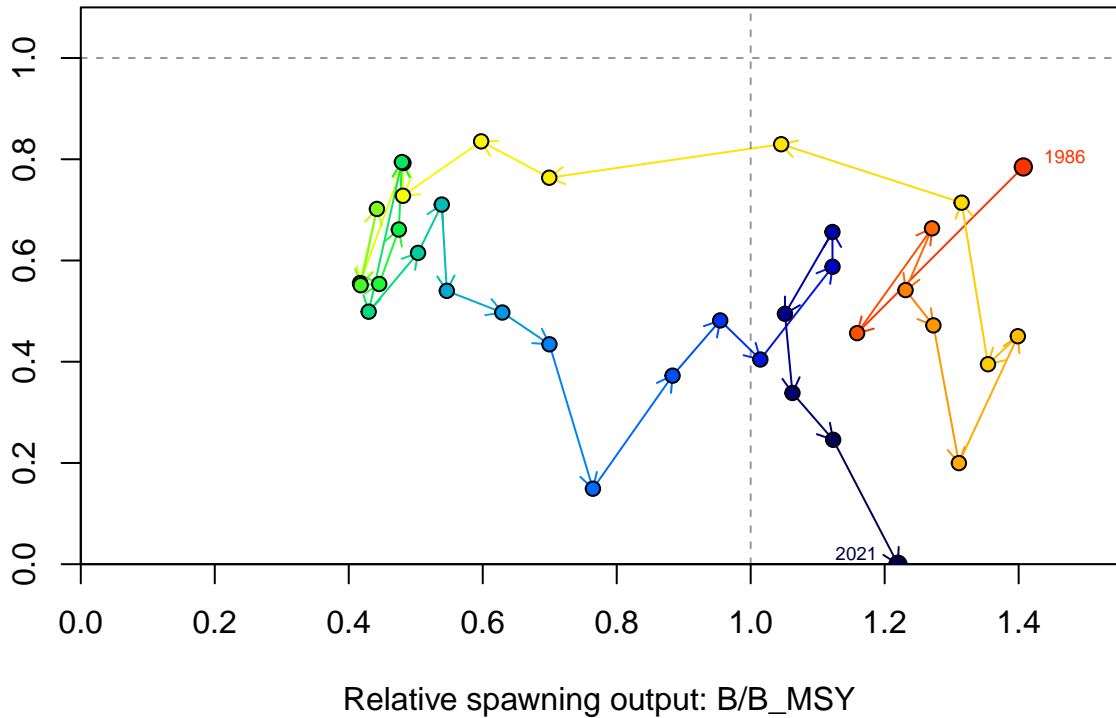


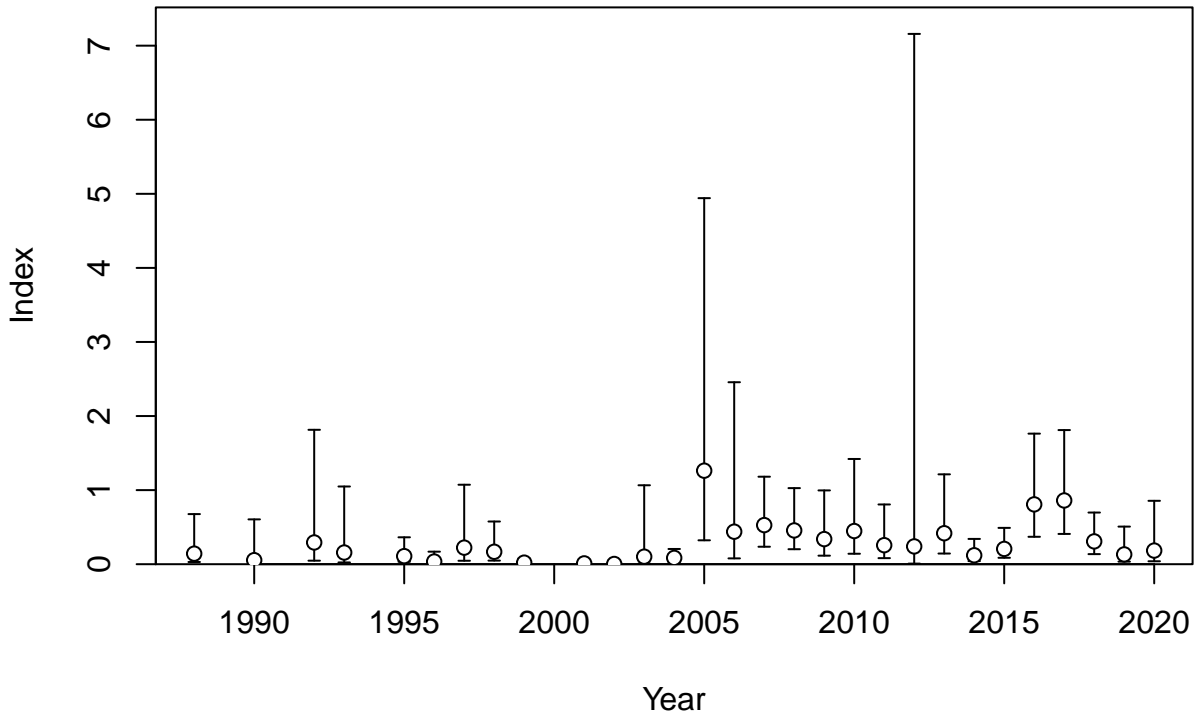


Fishing intensity: 1-SPR

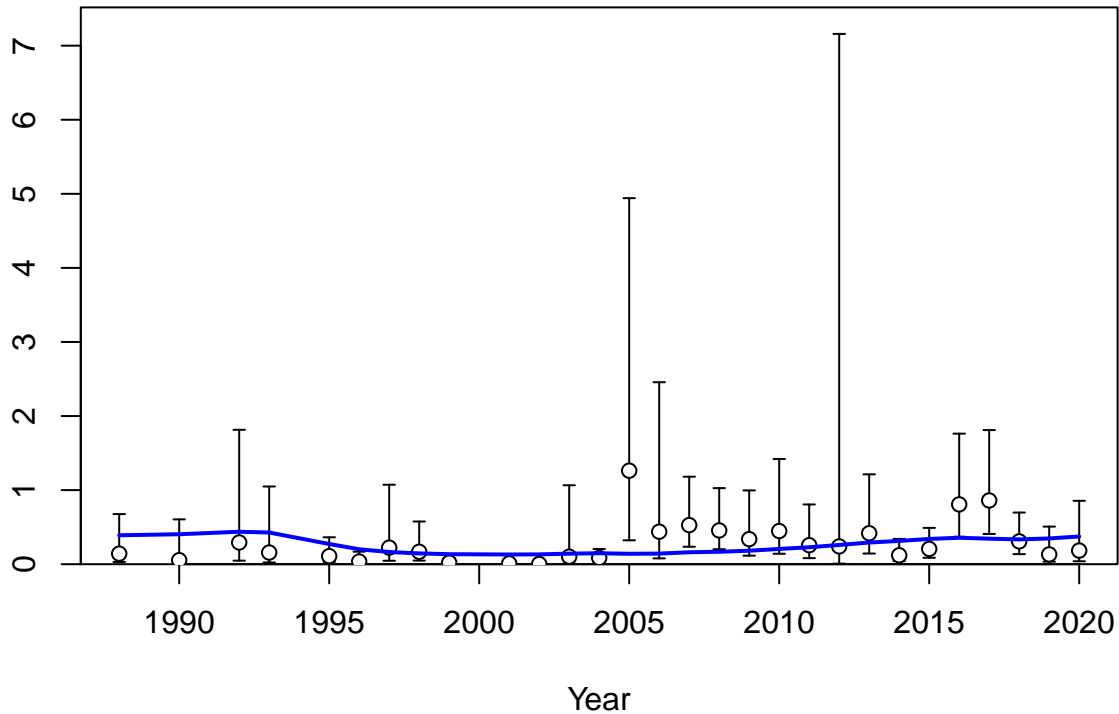


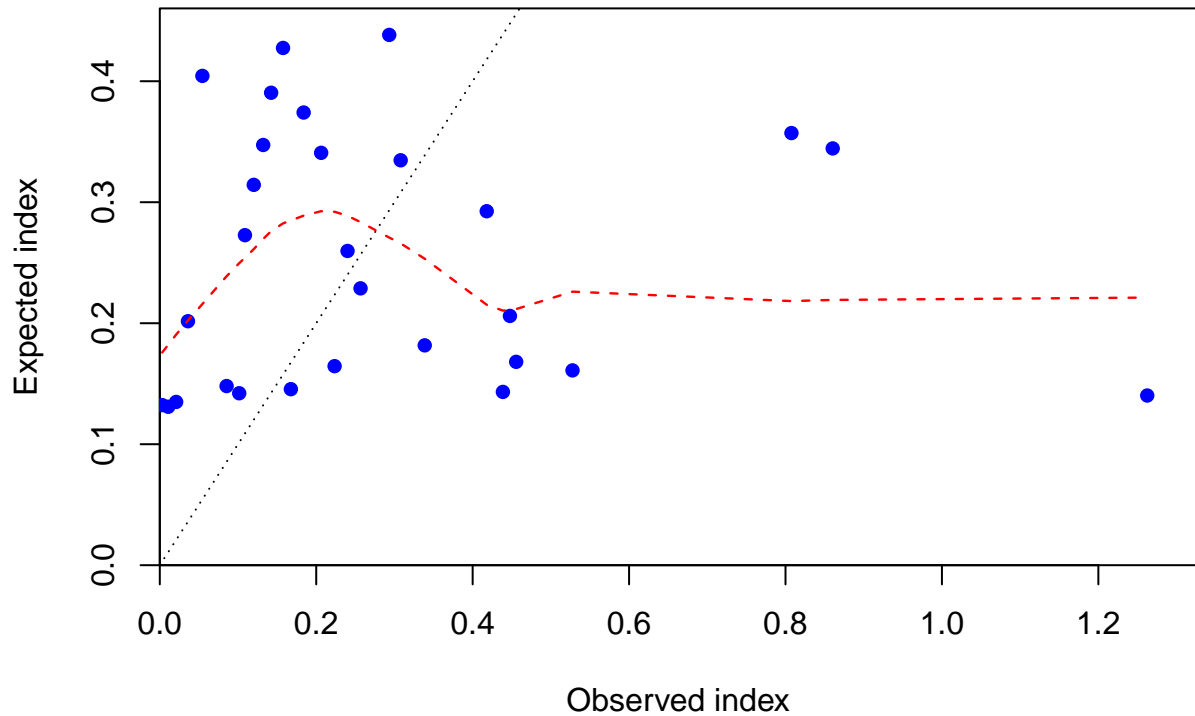
Fishing intensity: 1-SPR



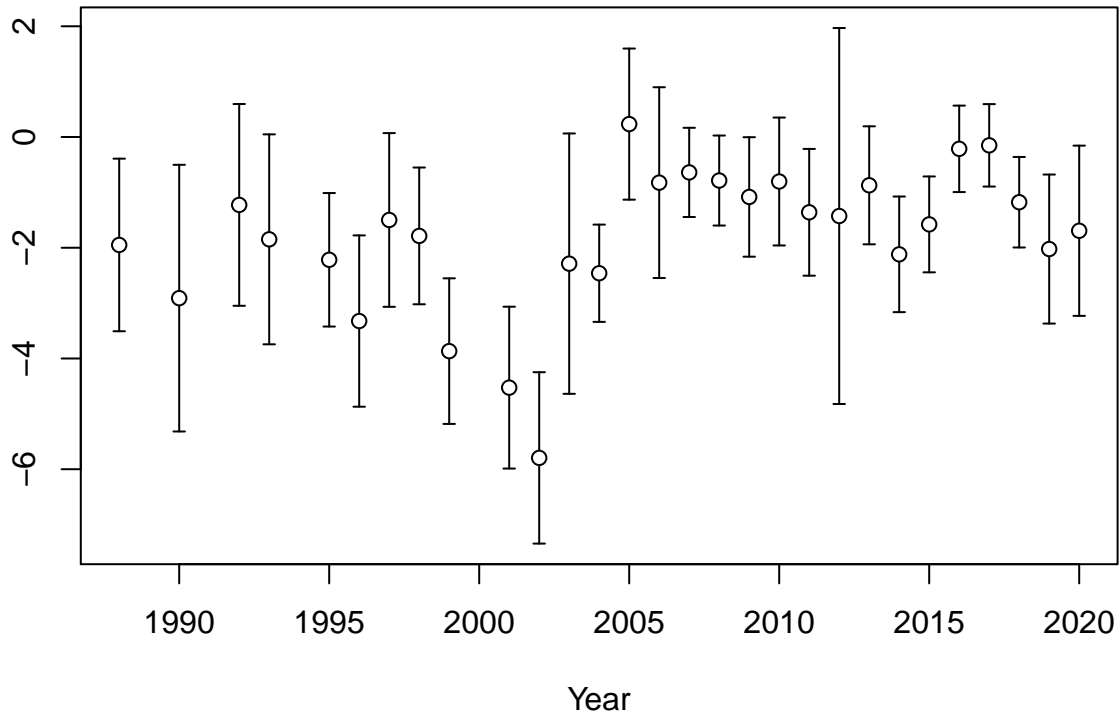


Index

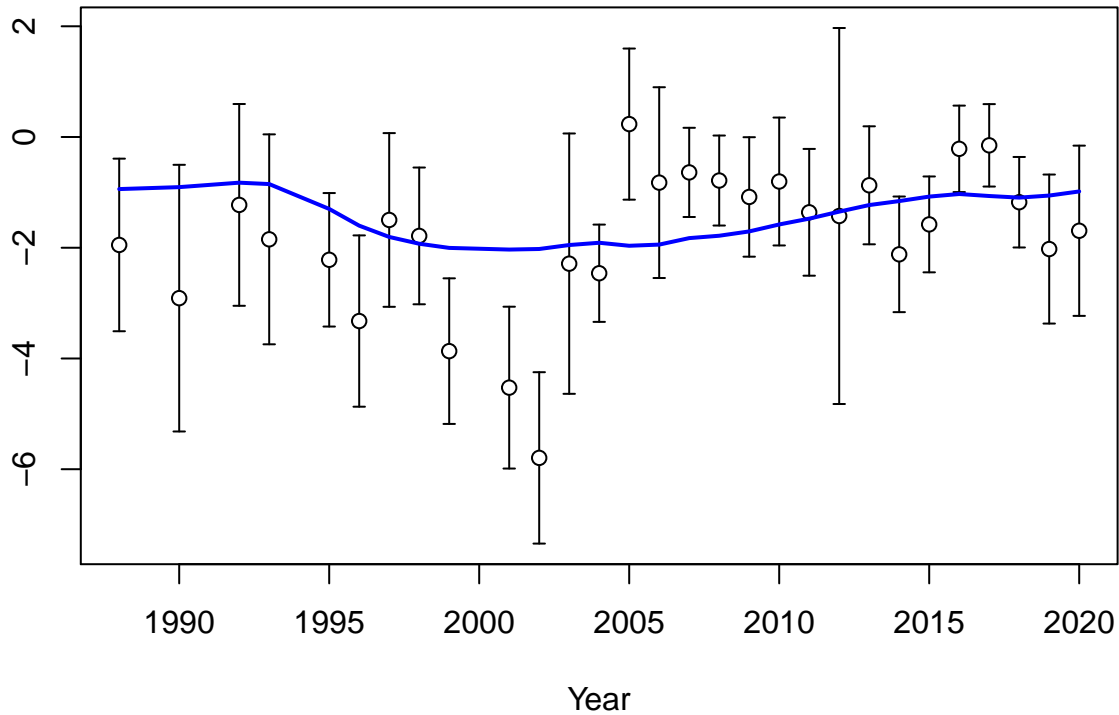




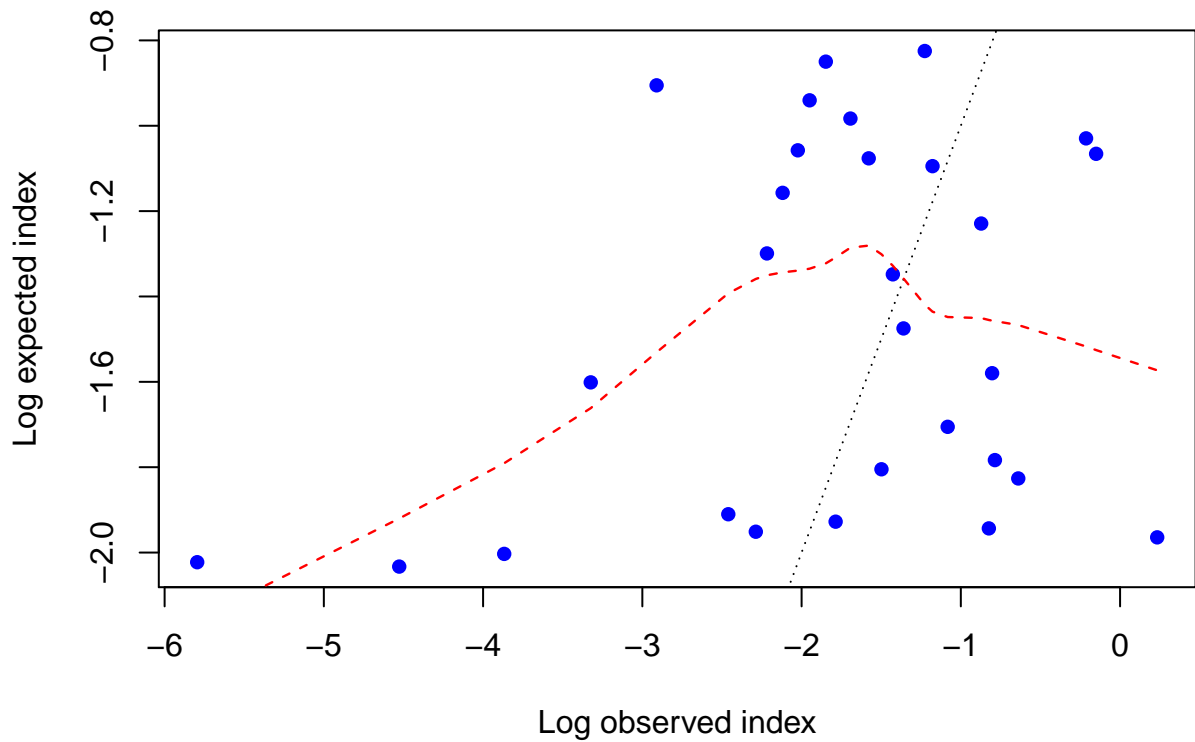
Log index

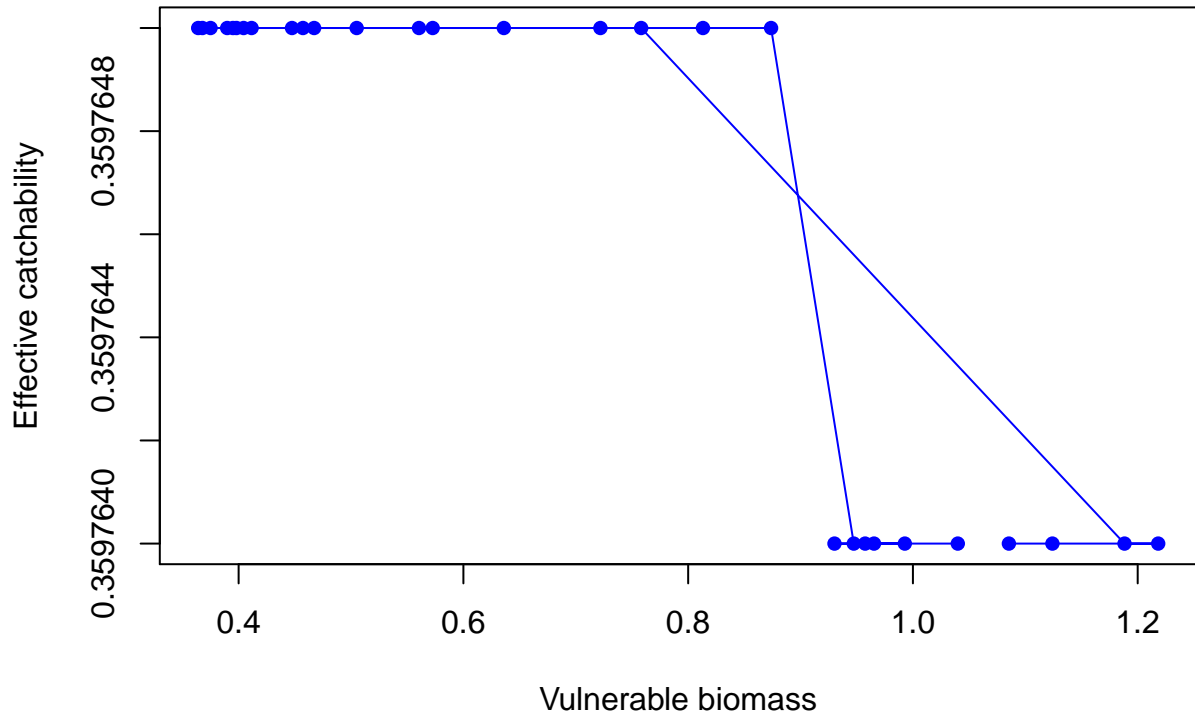


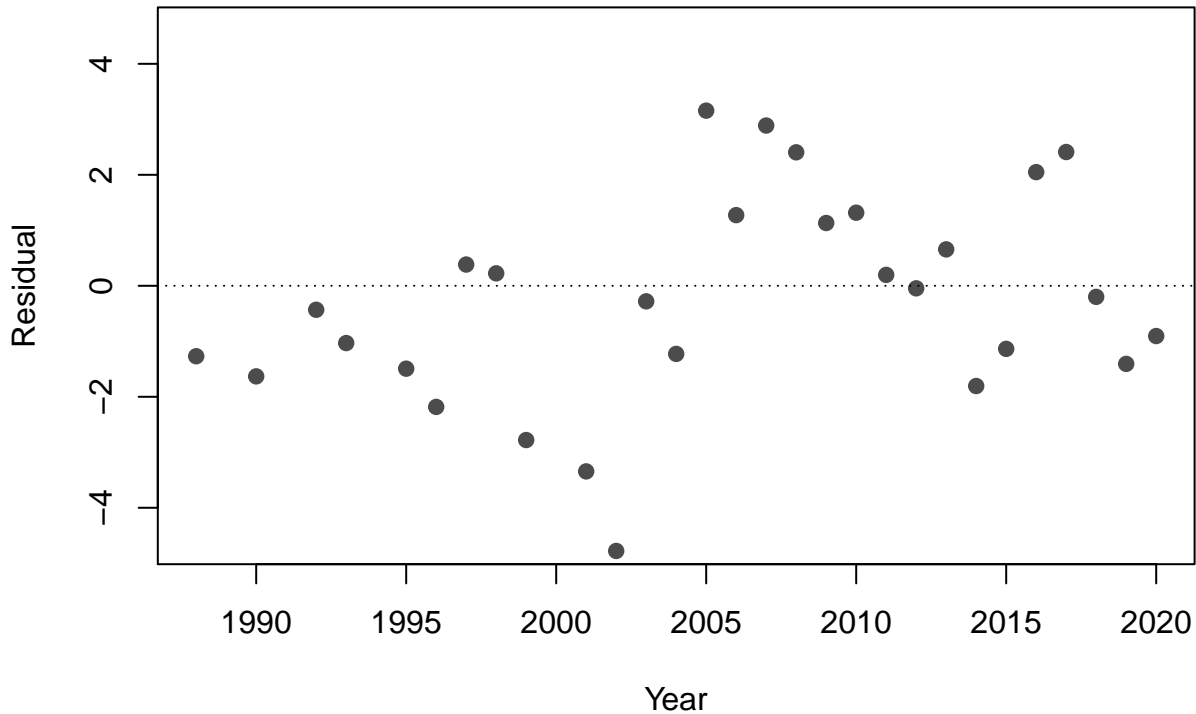
Log index

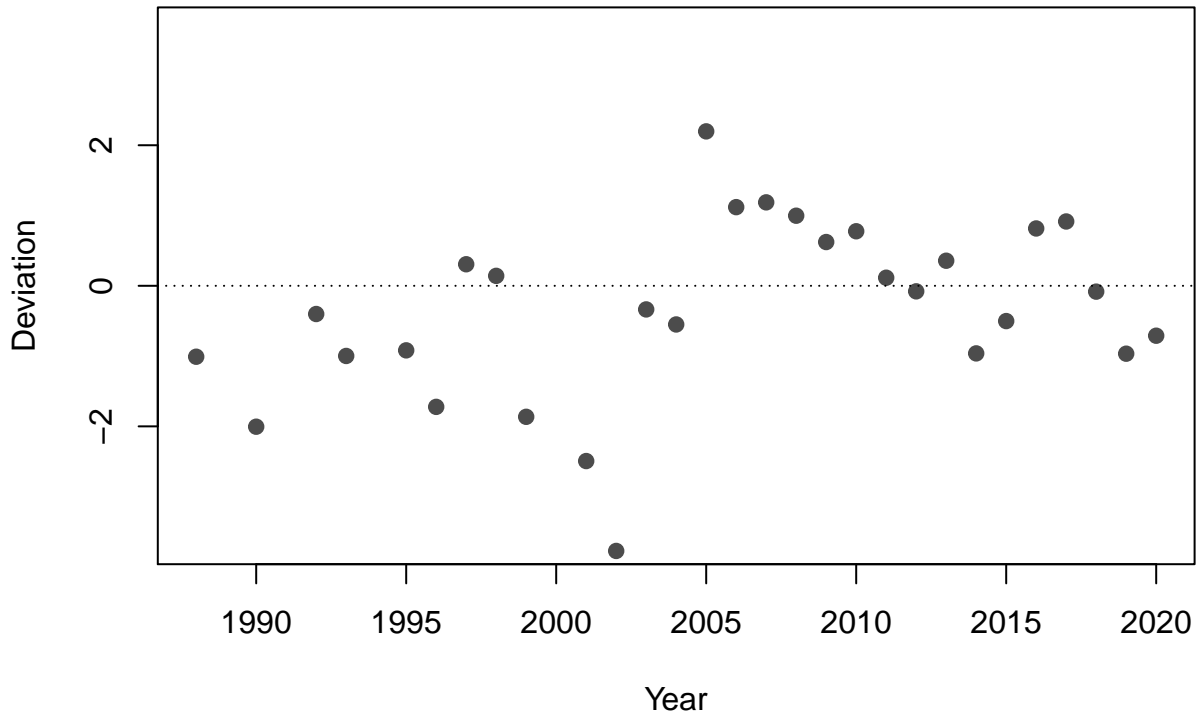


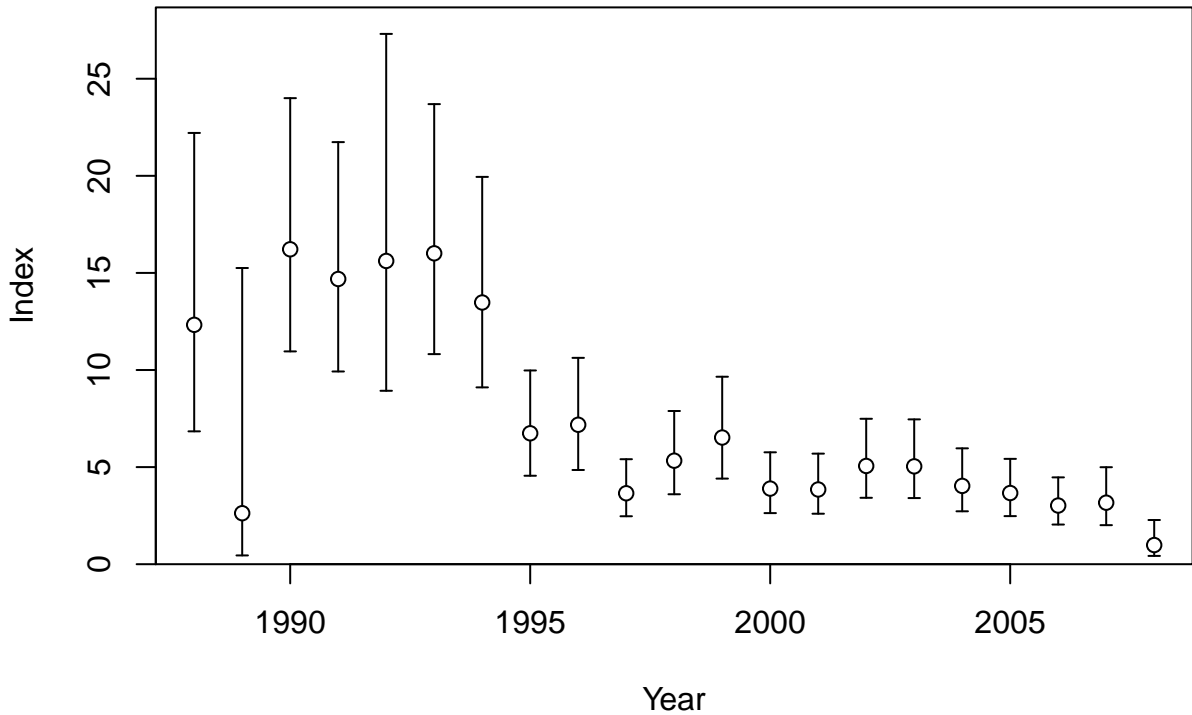


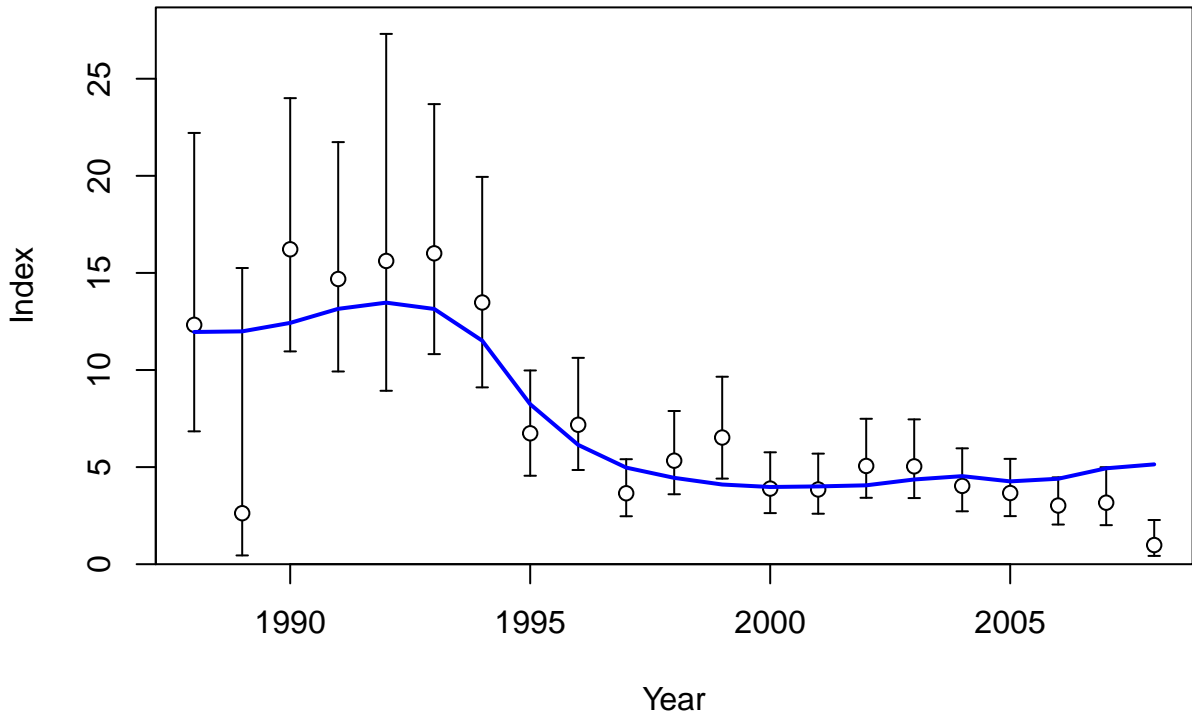


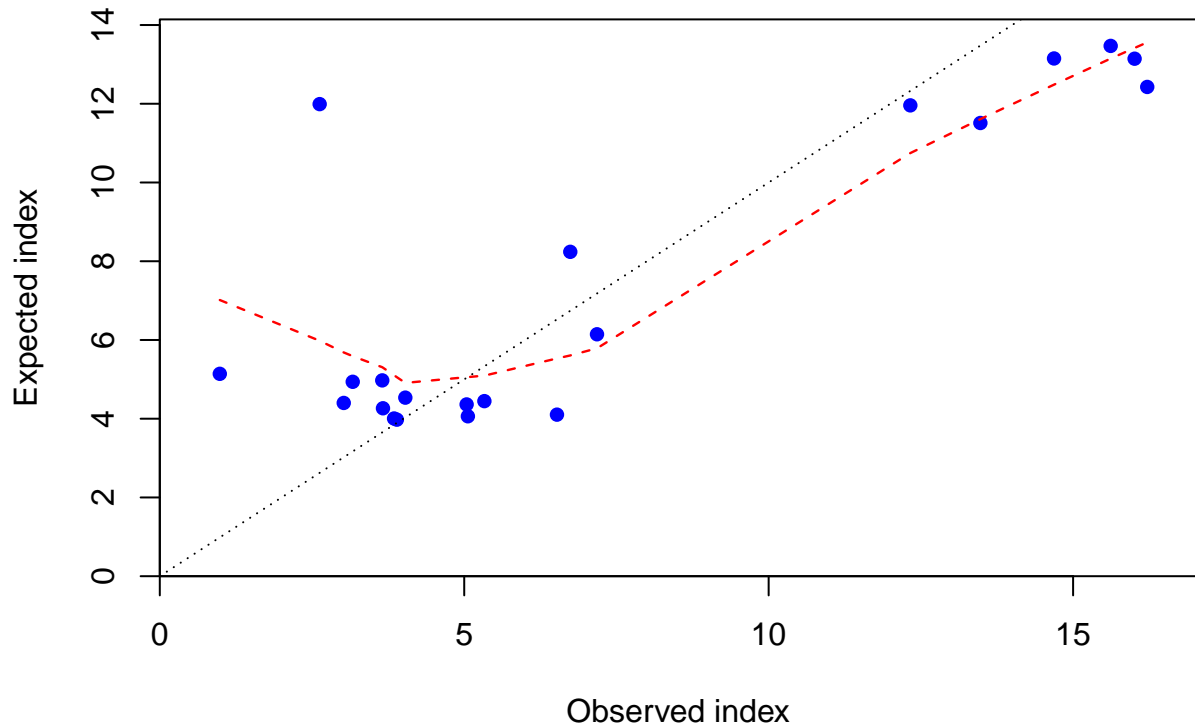


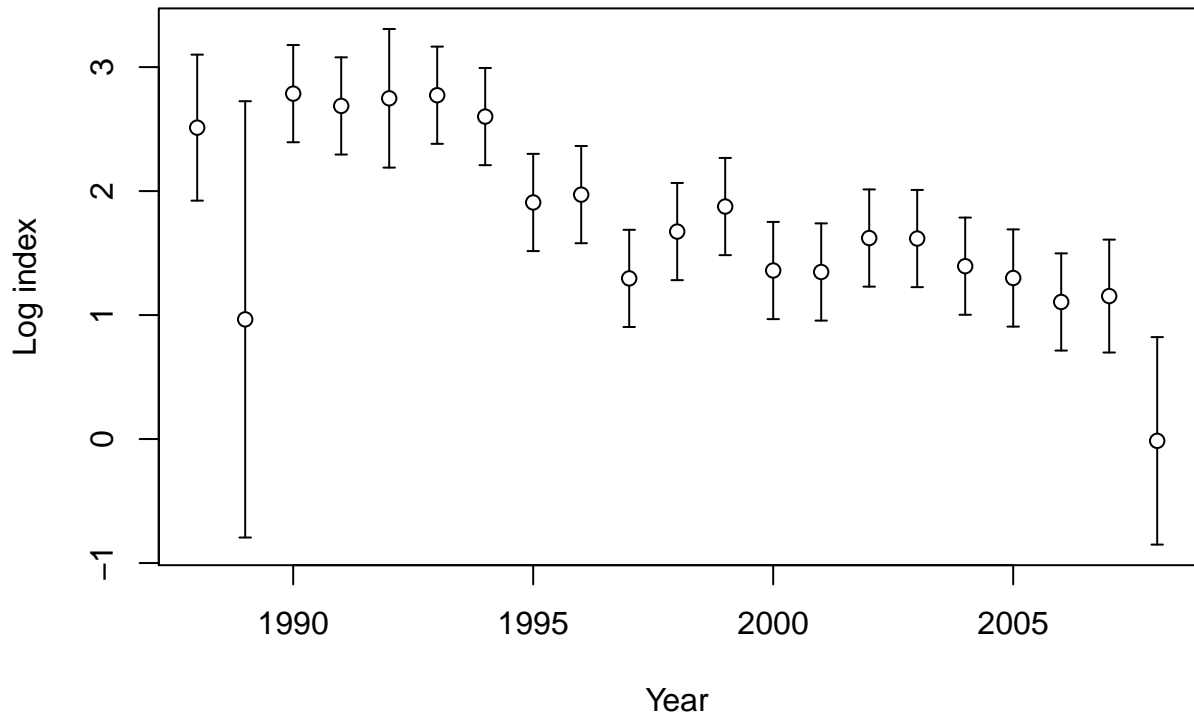




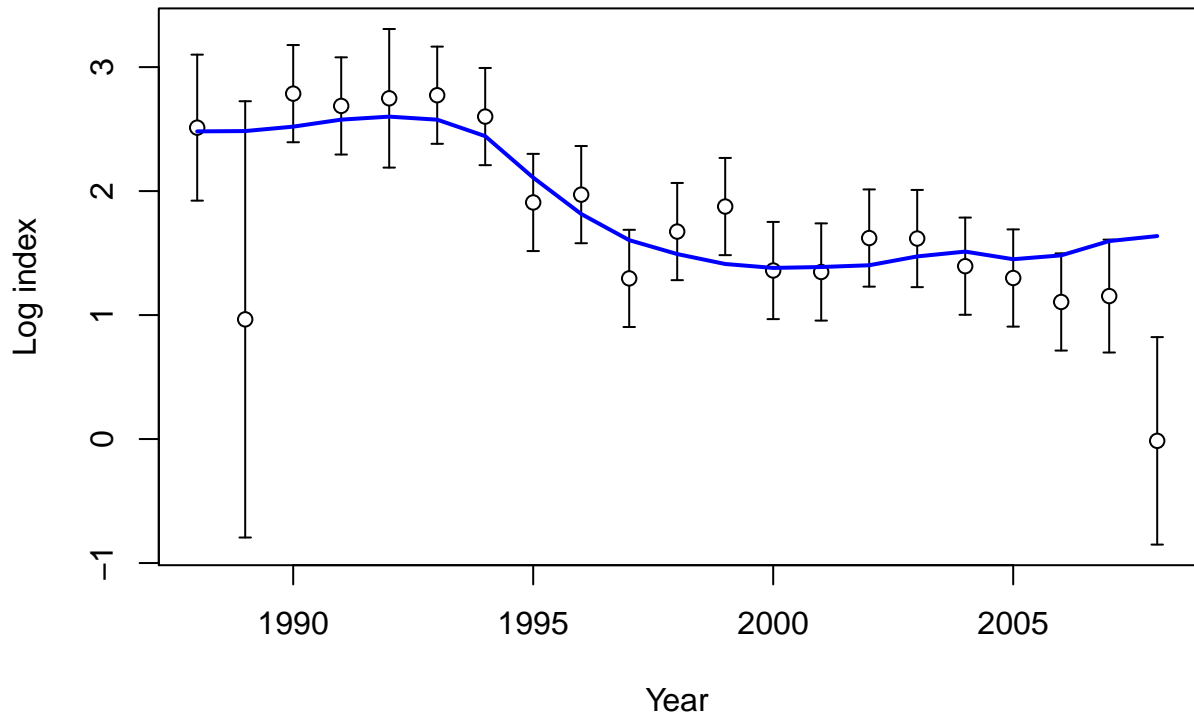


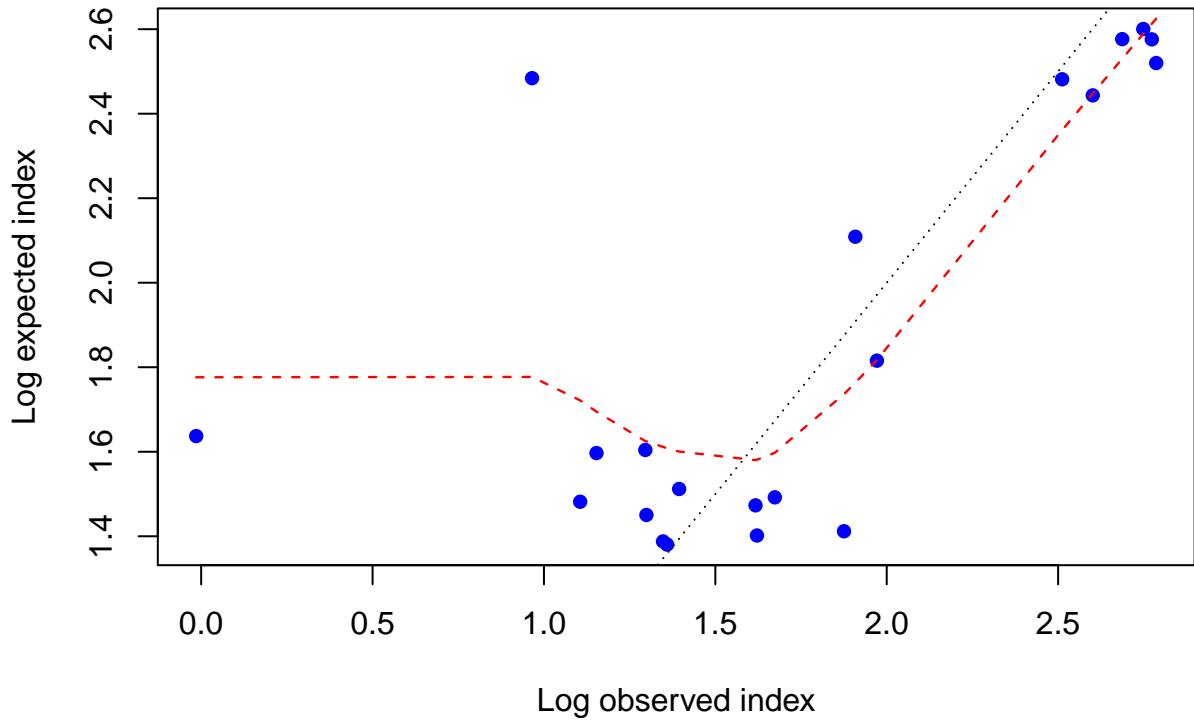




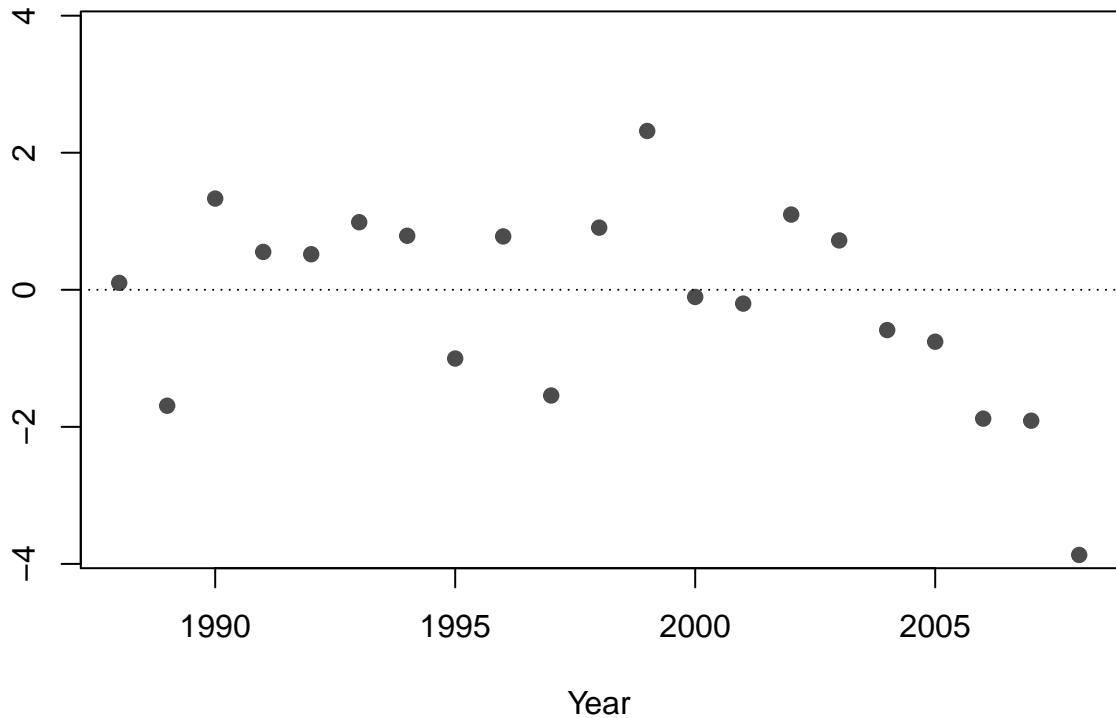


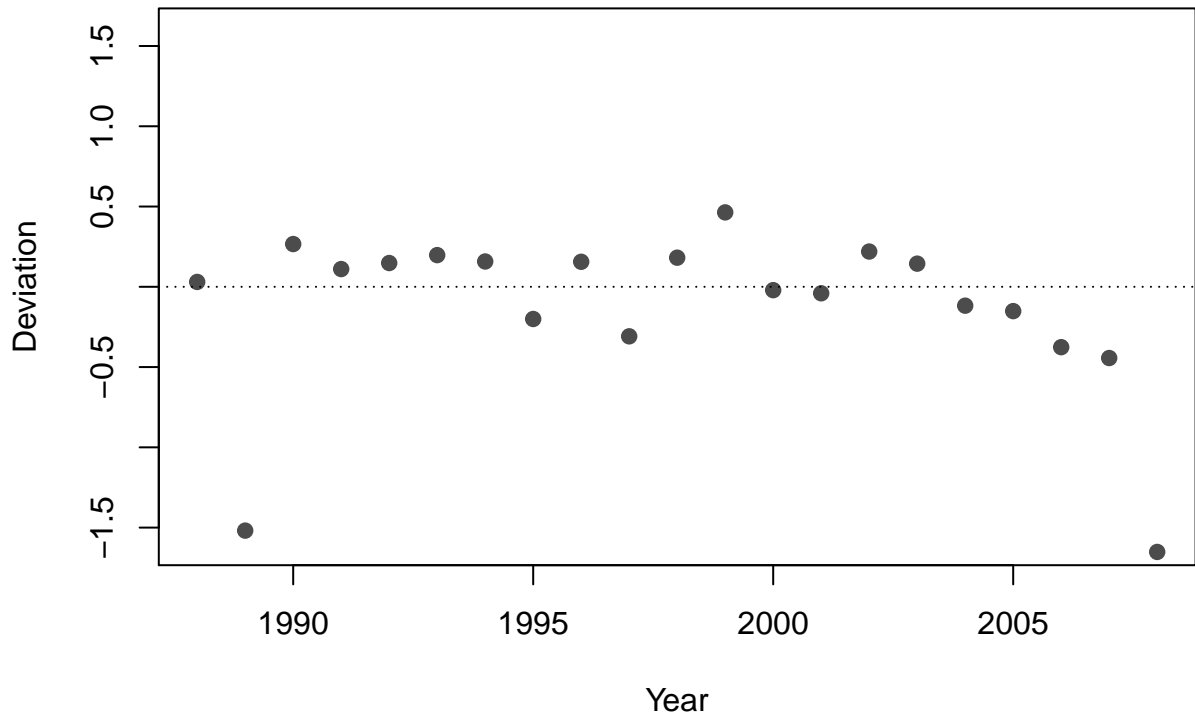


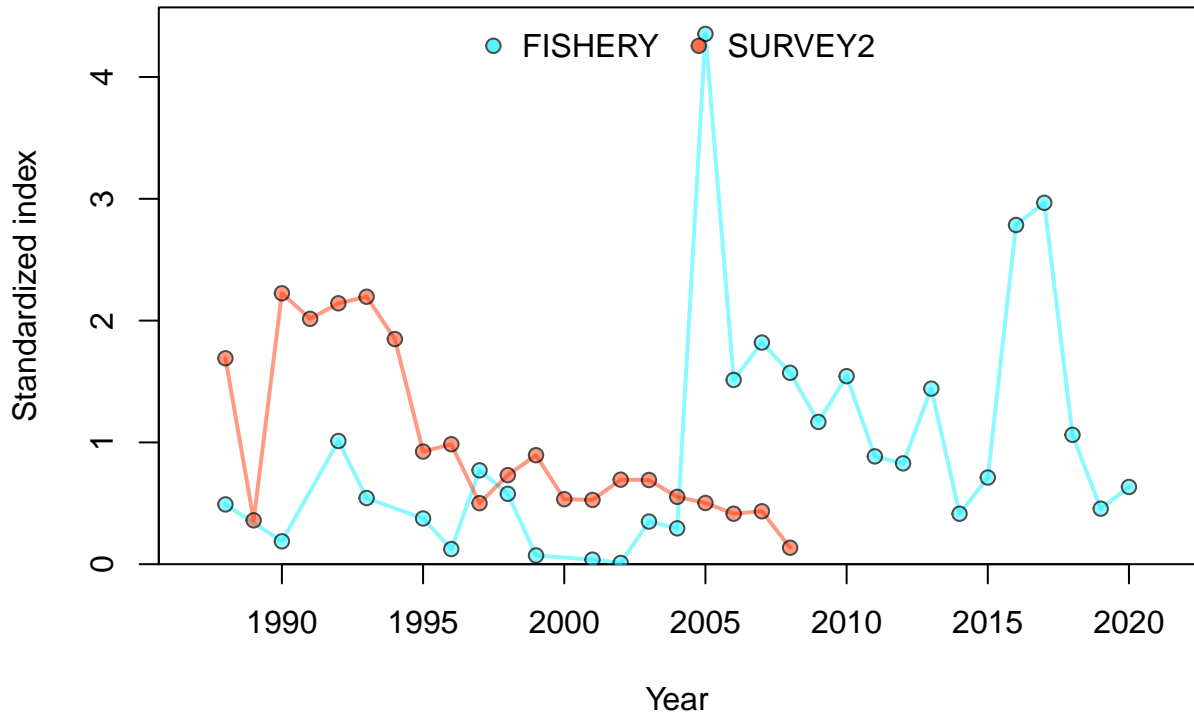


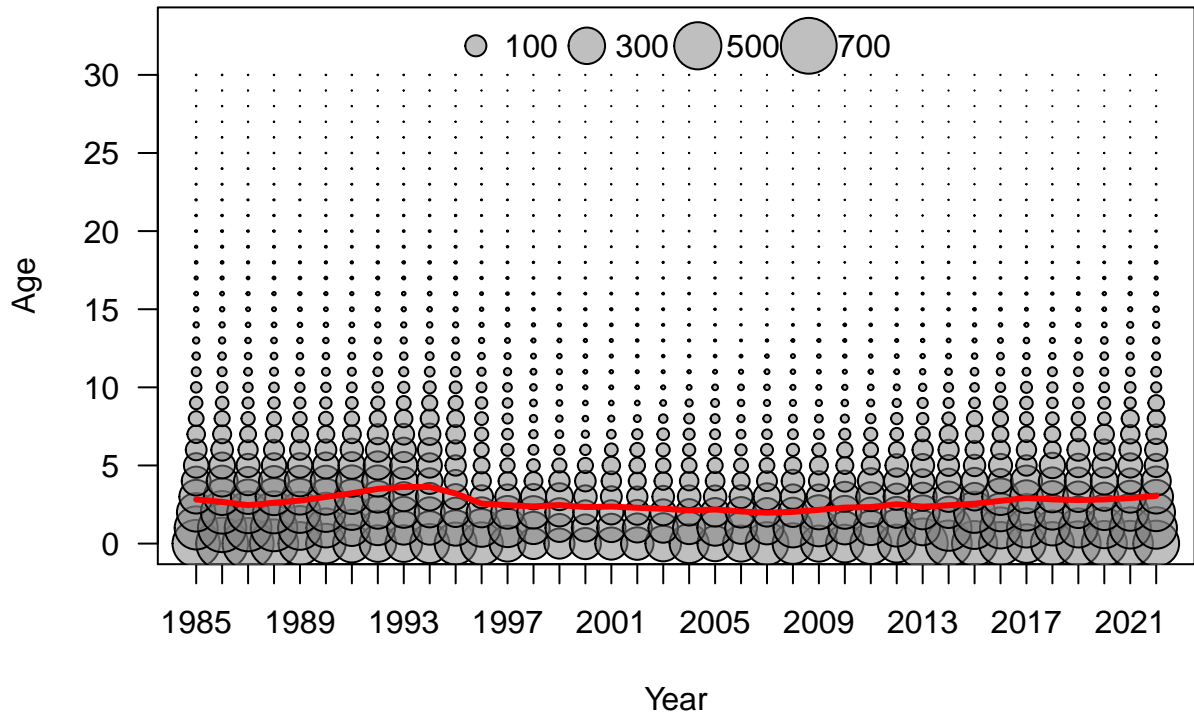


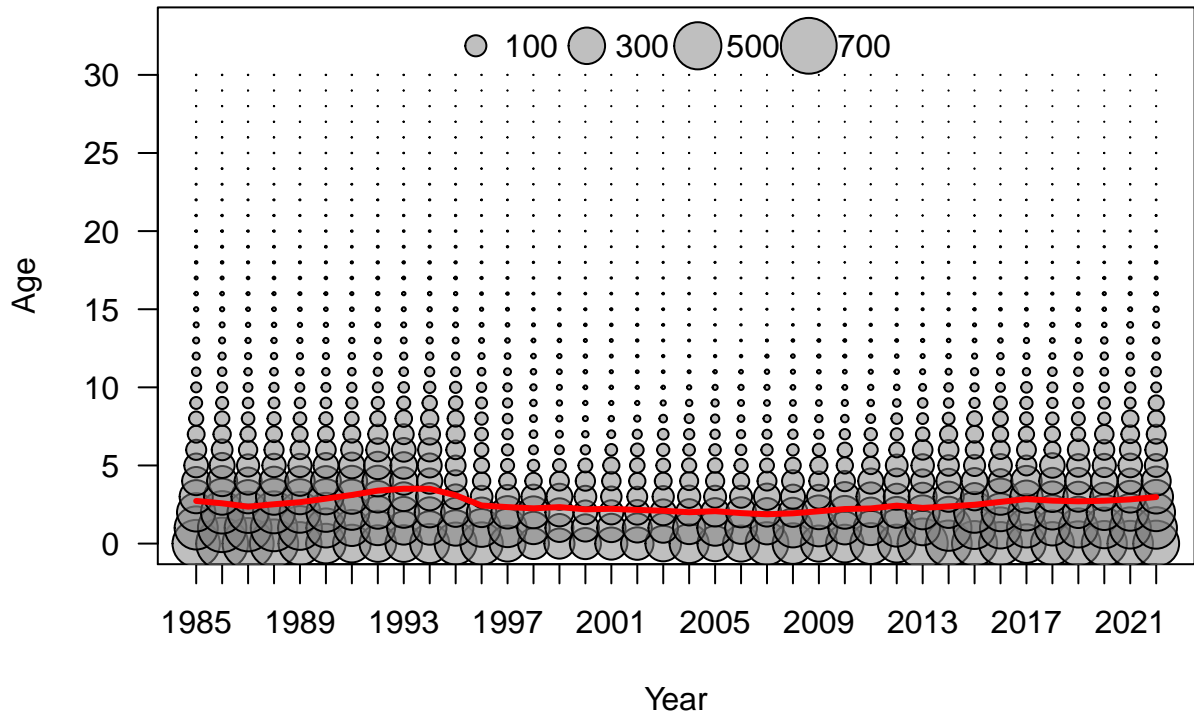
Residual

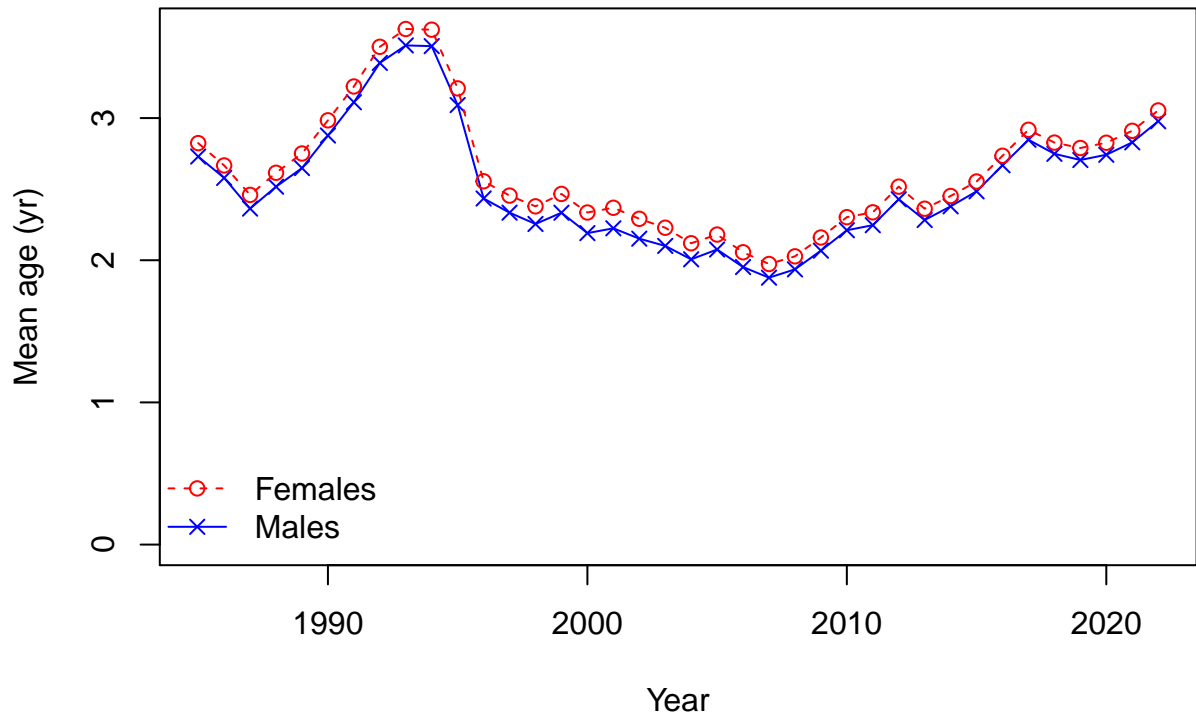




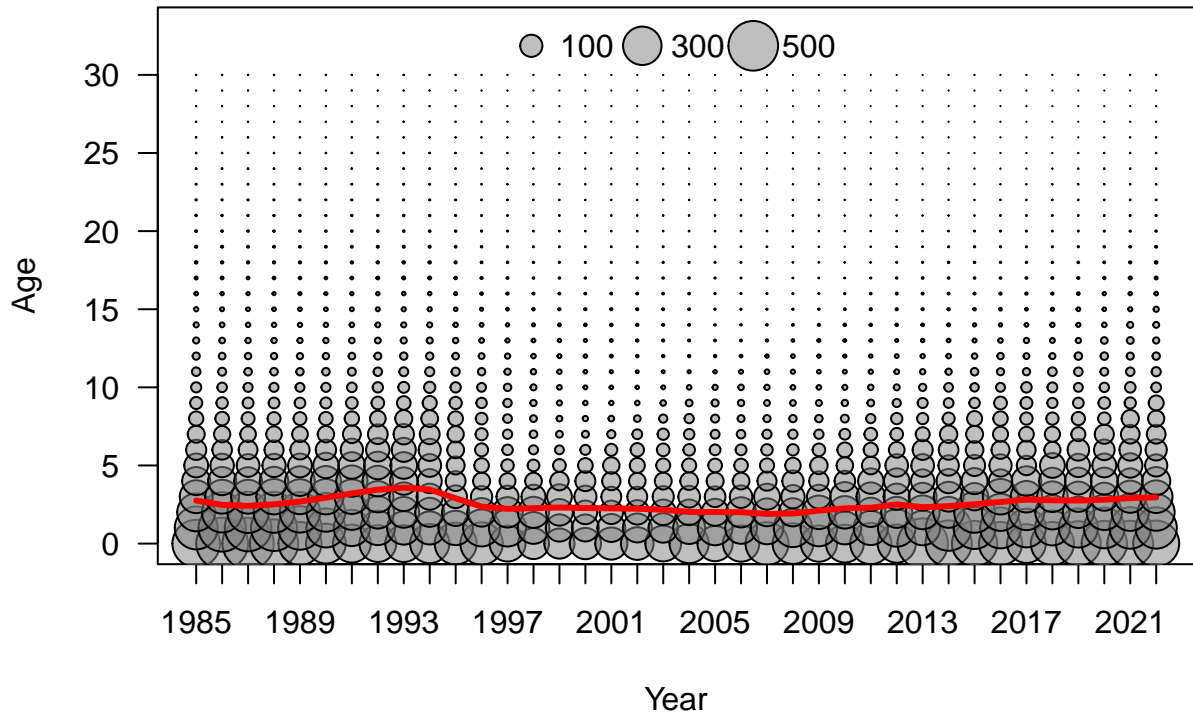


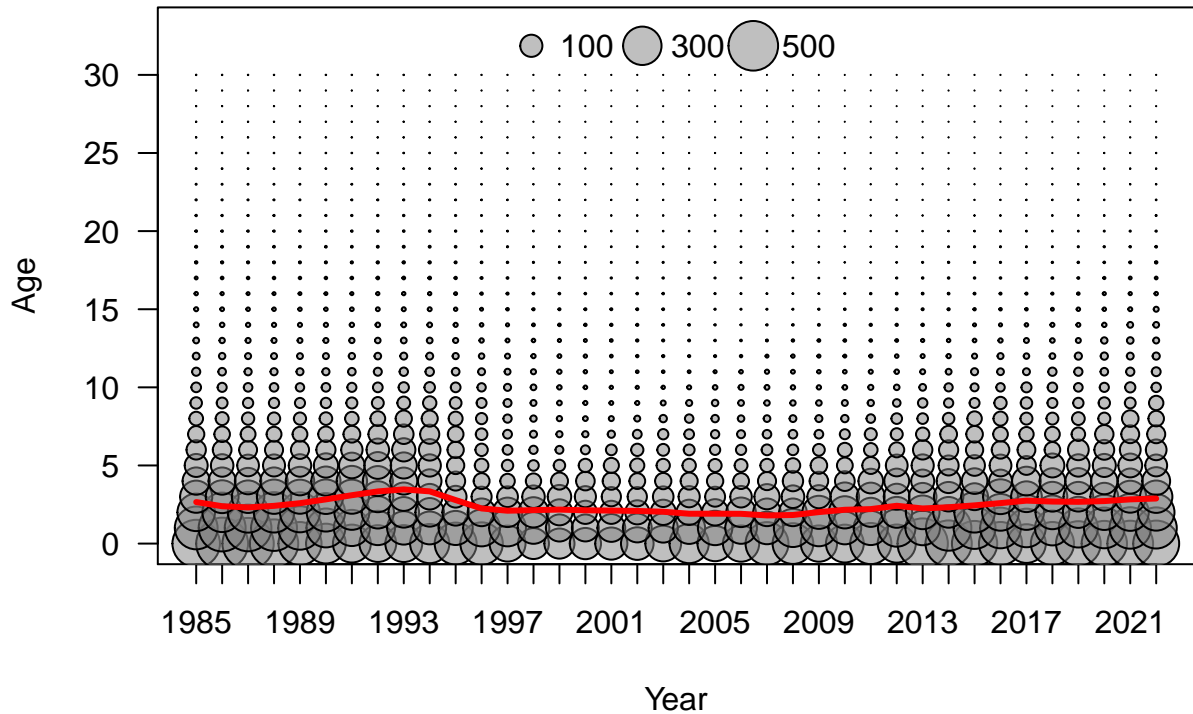


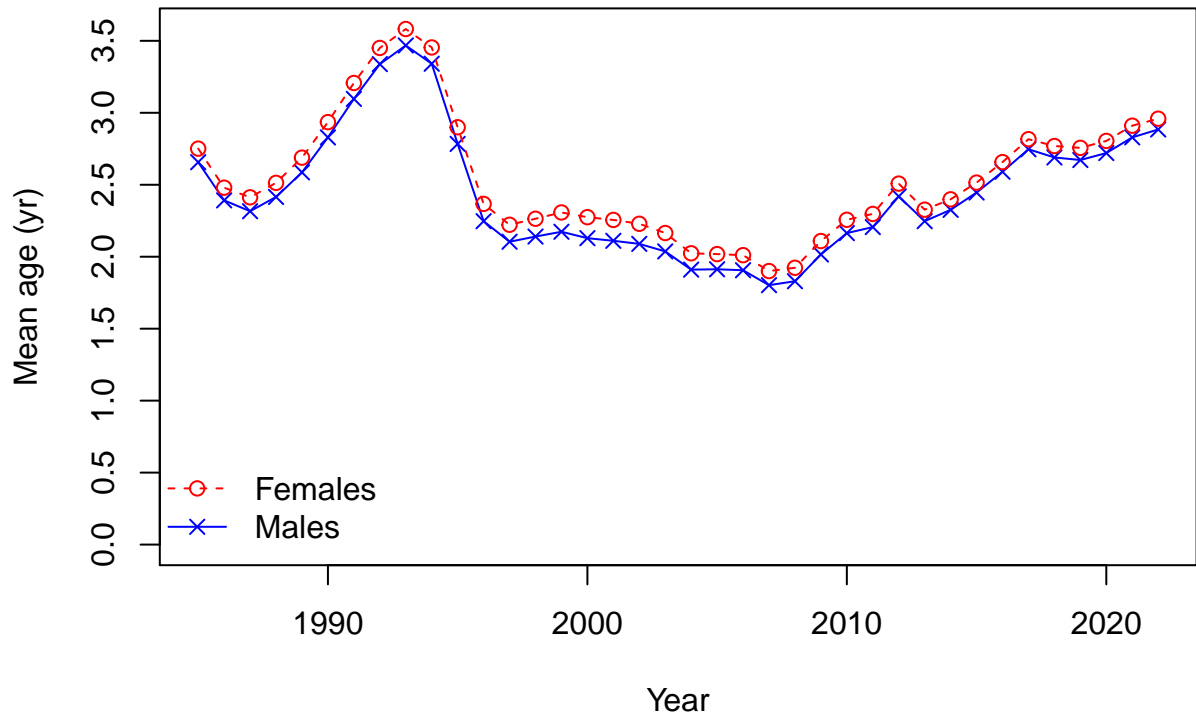


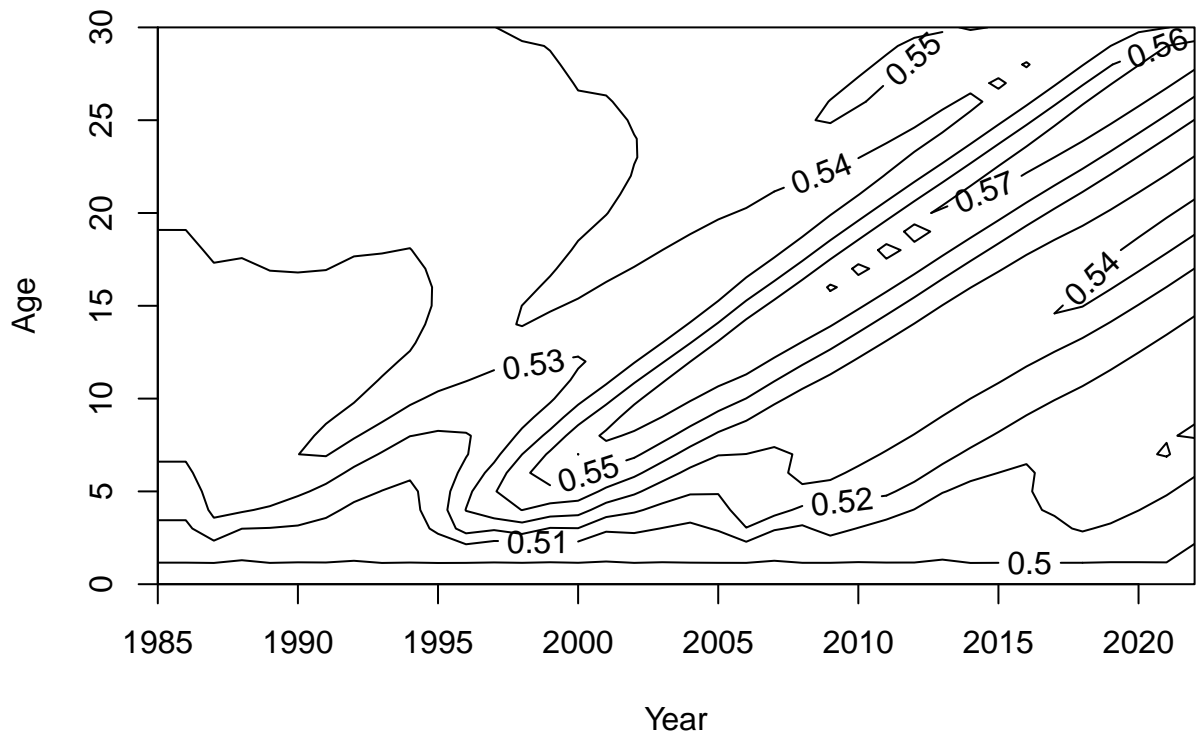


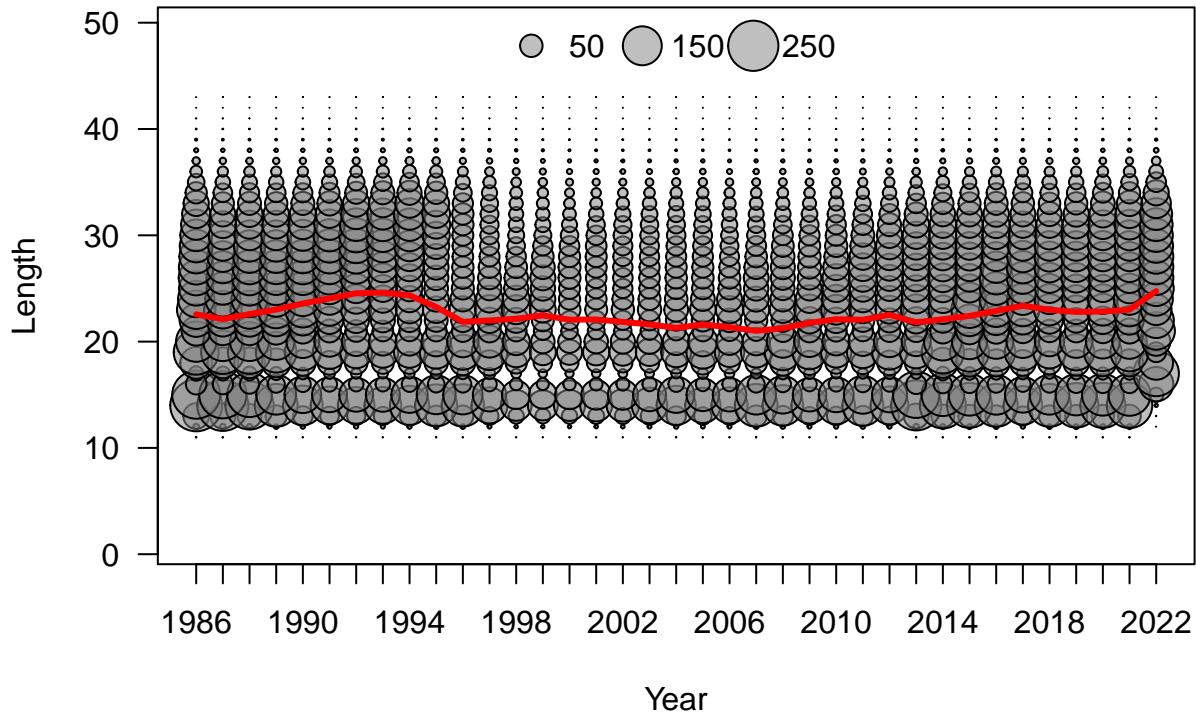


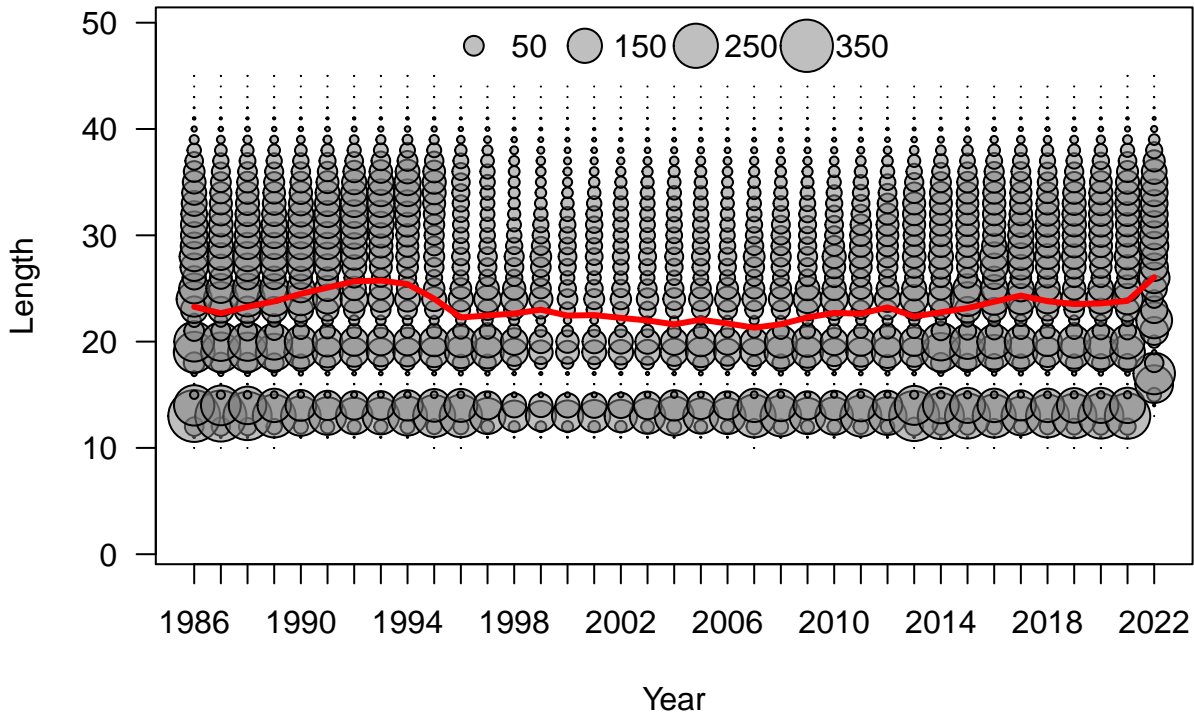


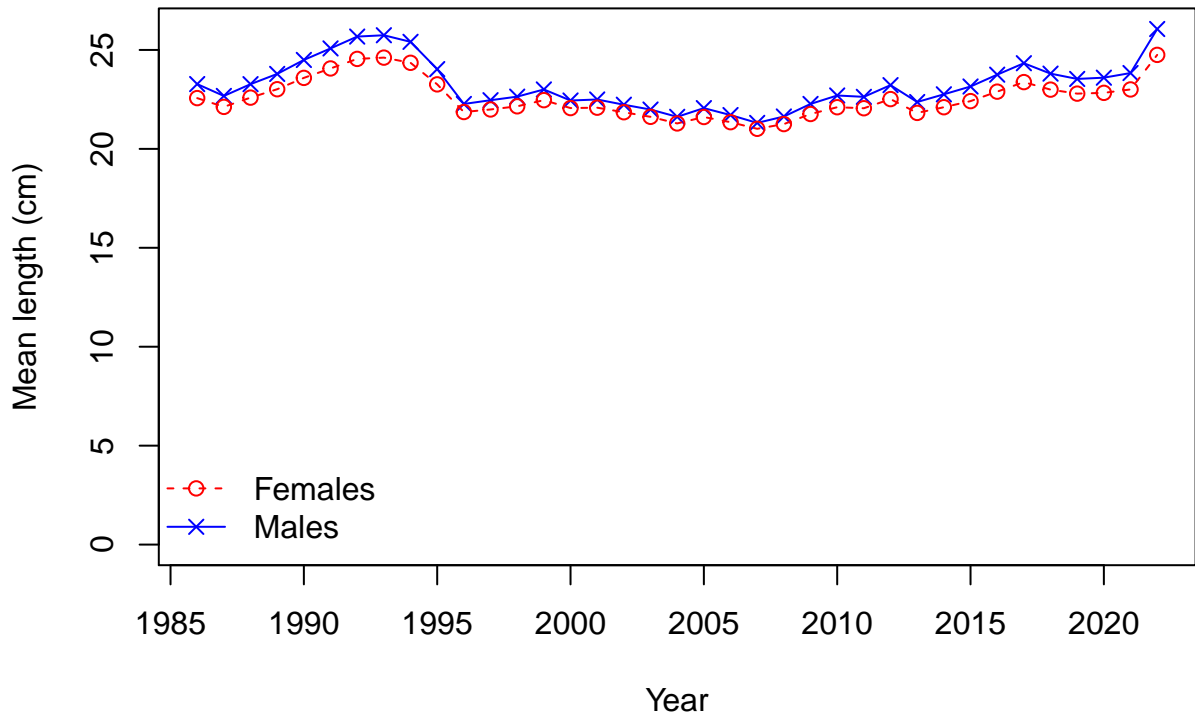


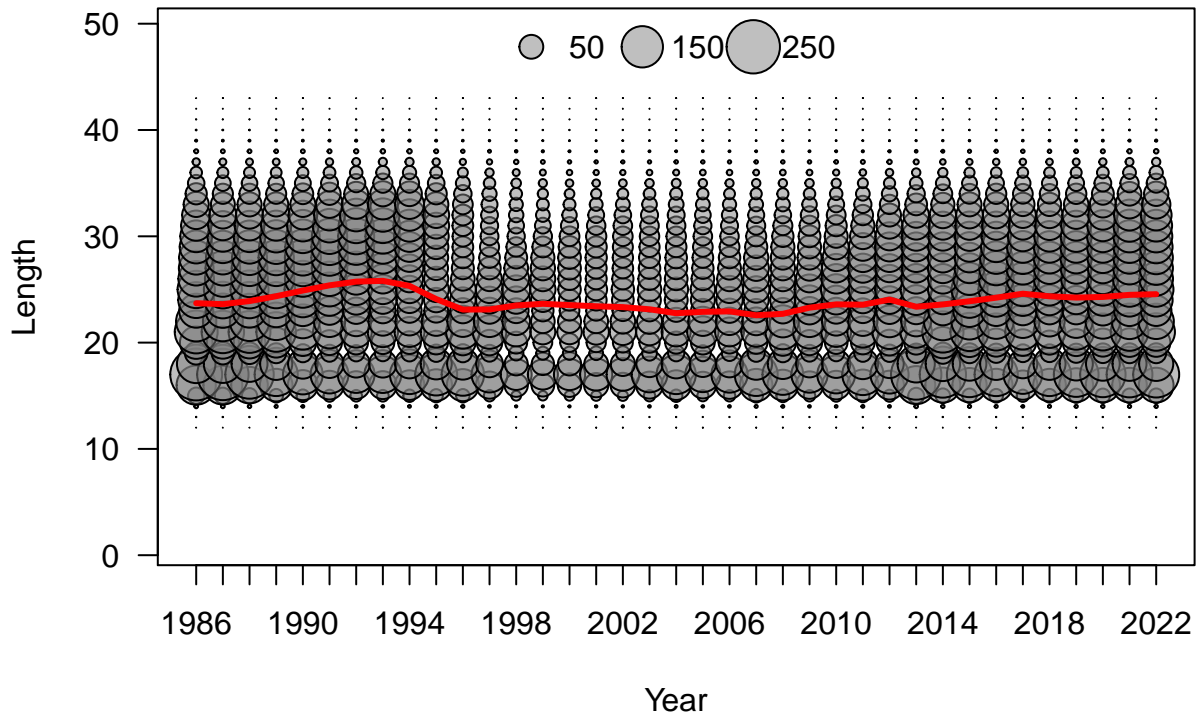




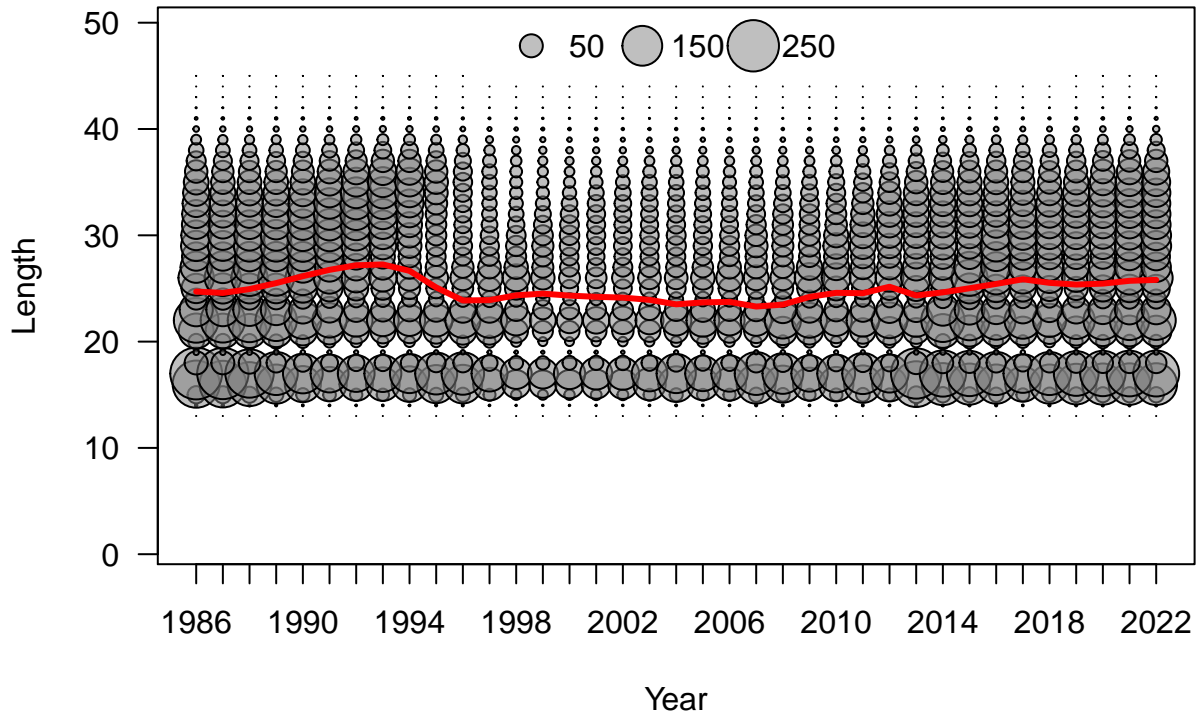


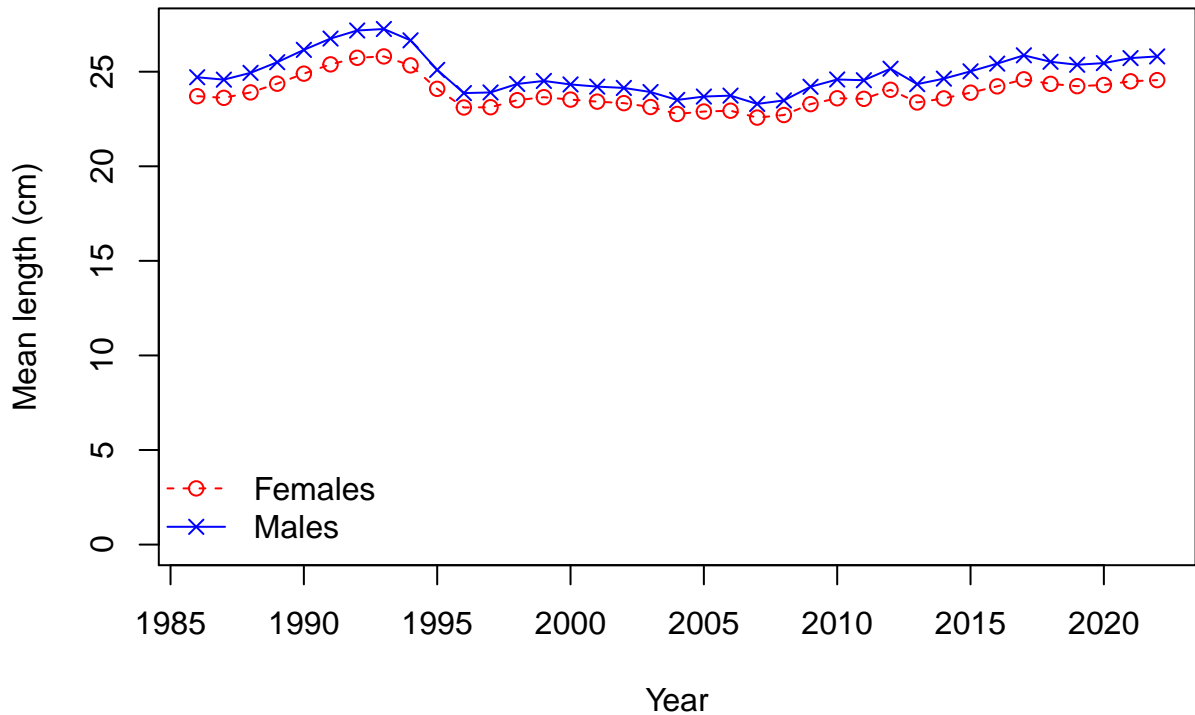


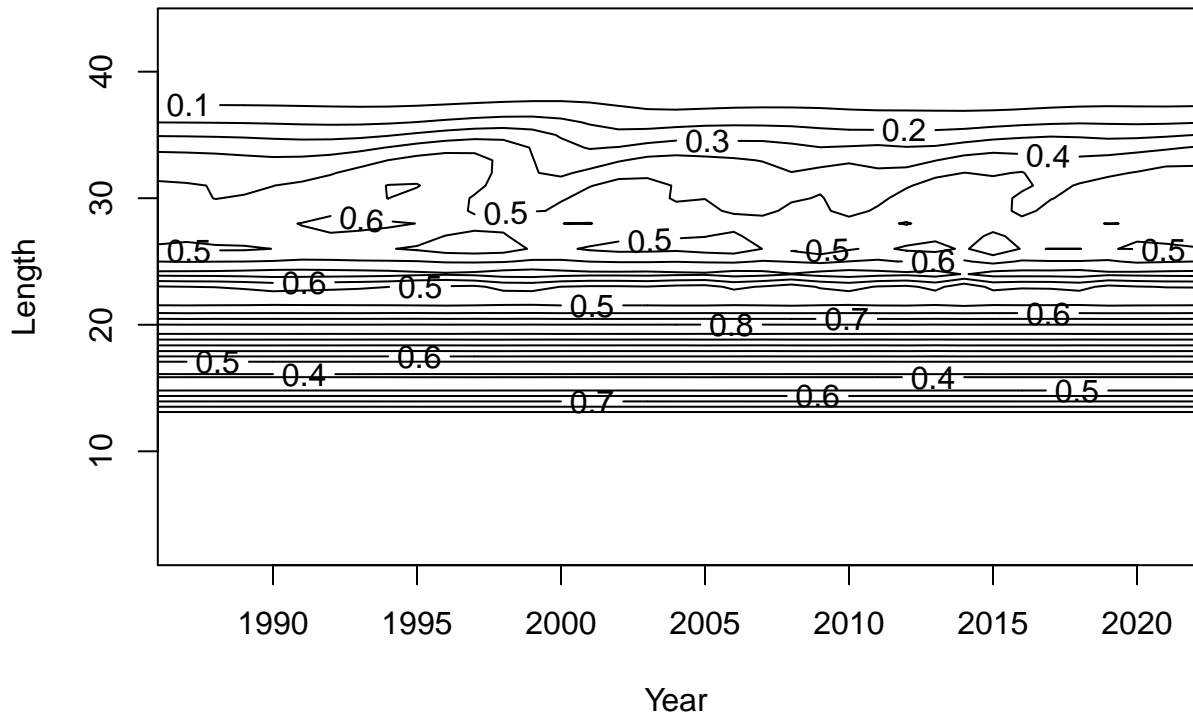


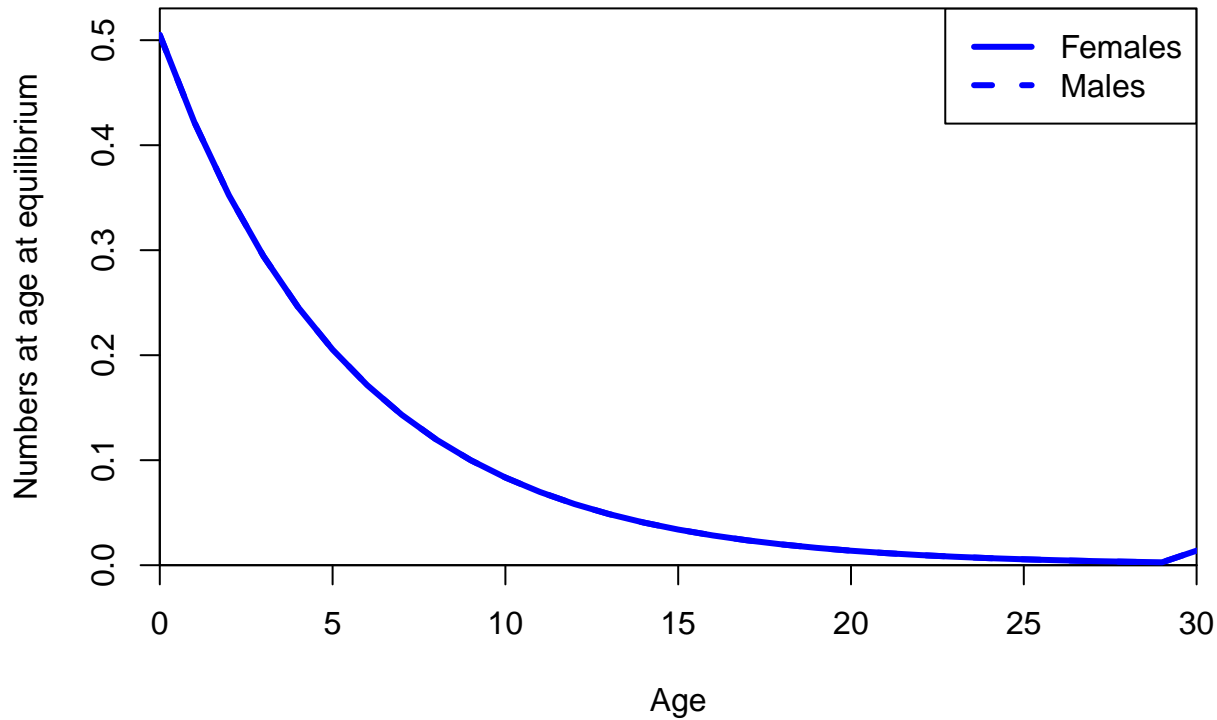


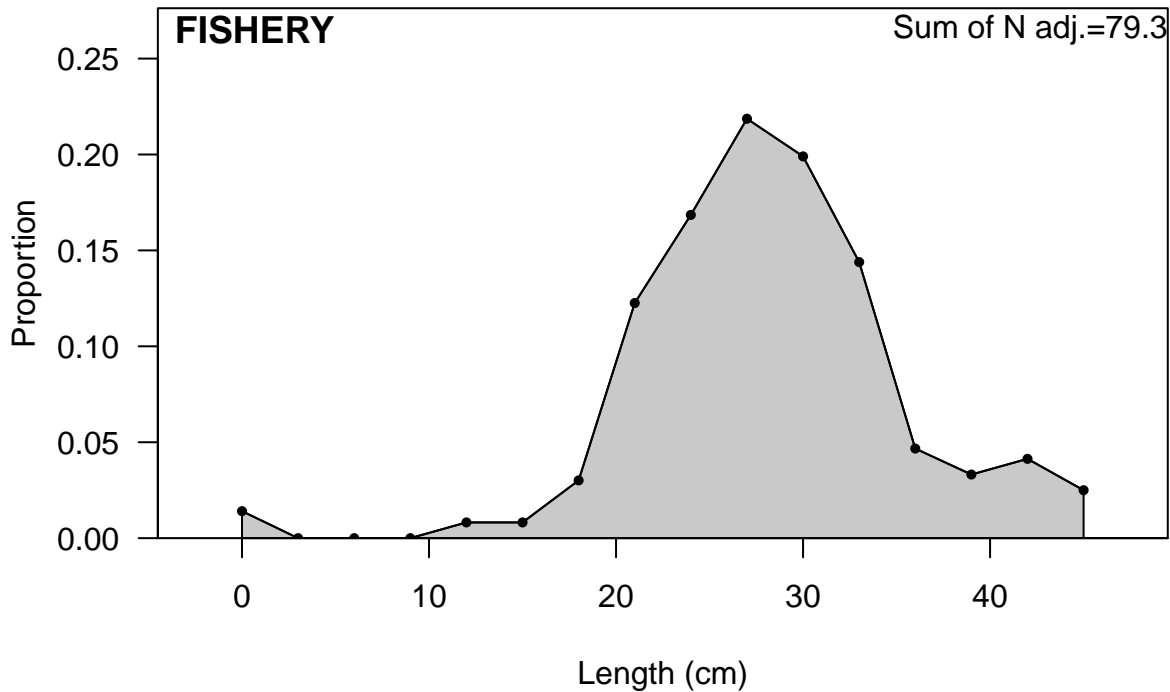


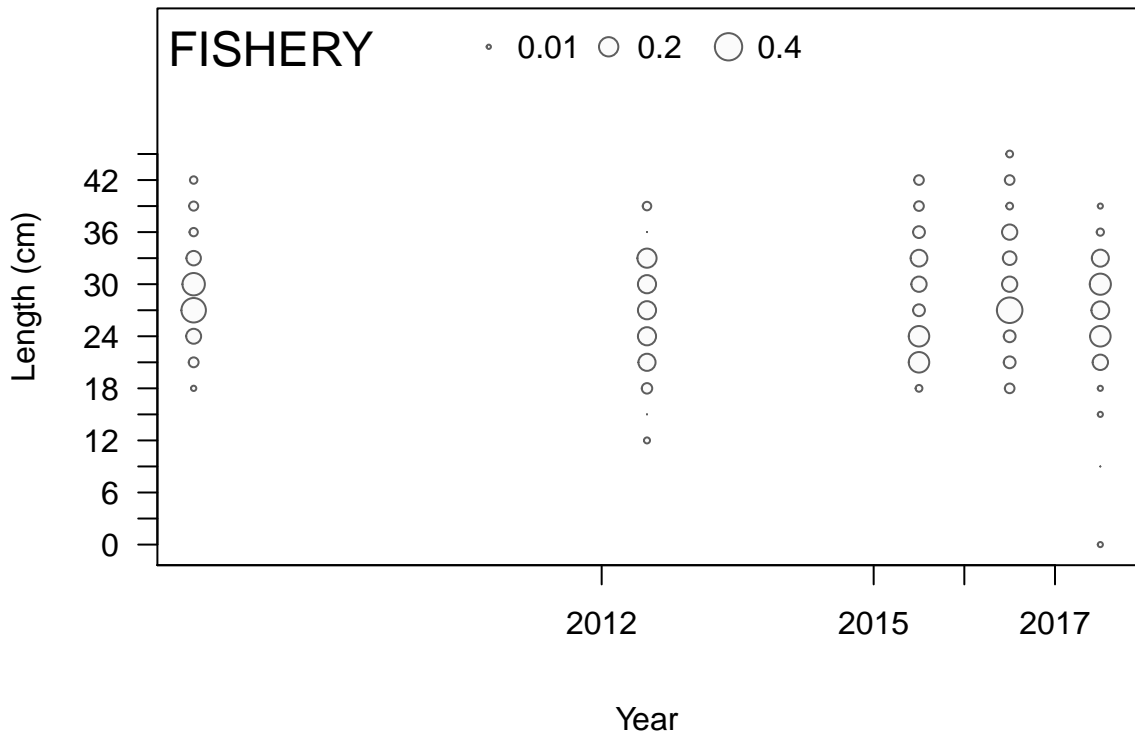




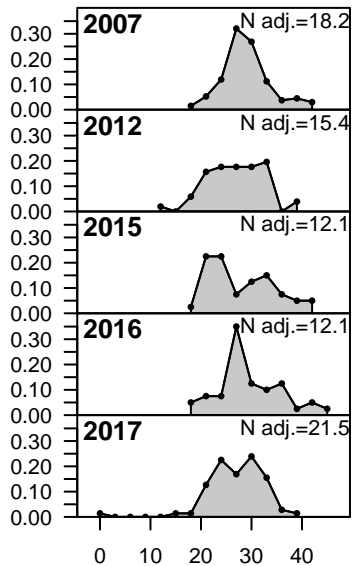




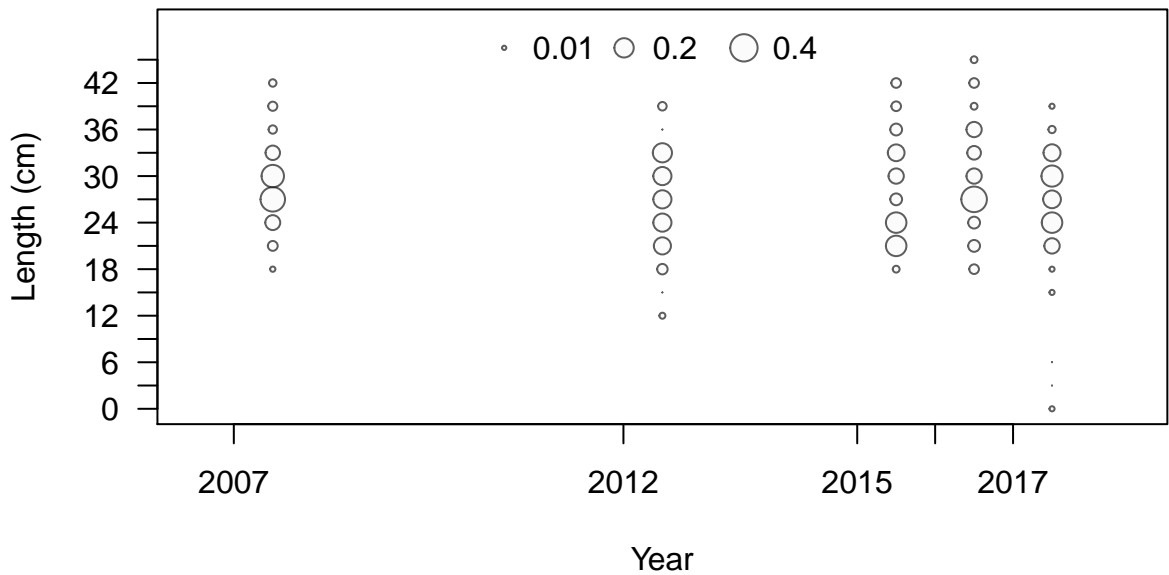




Proportion

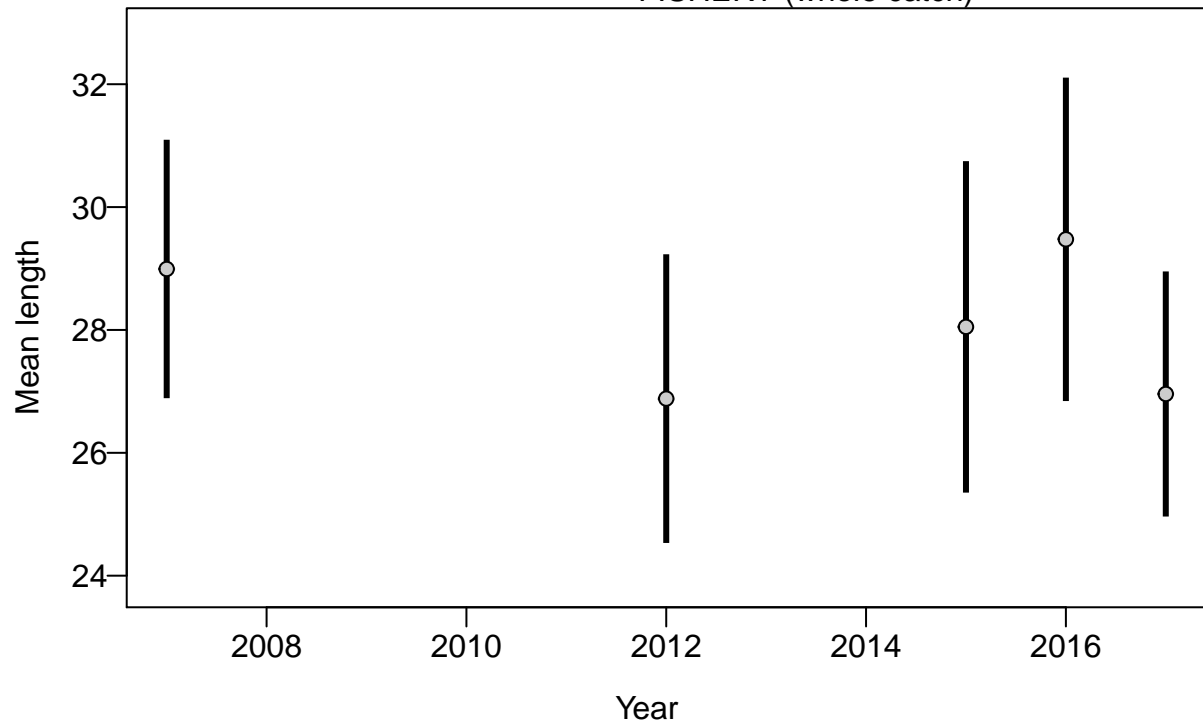


Length (cm)



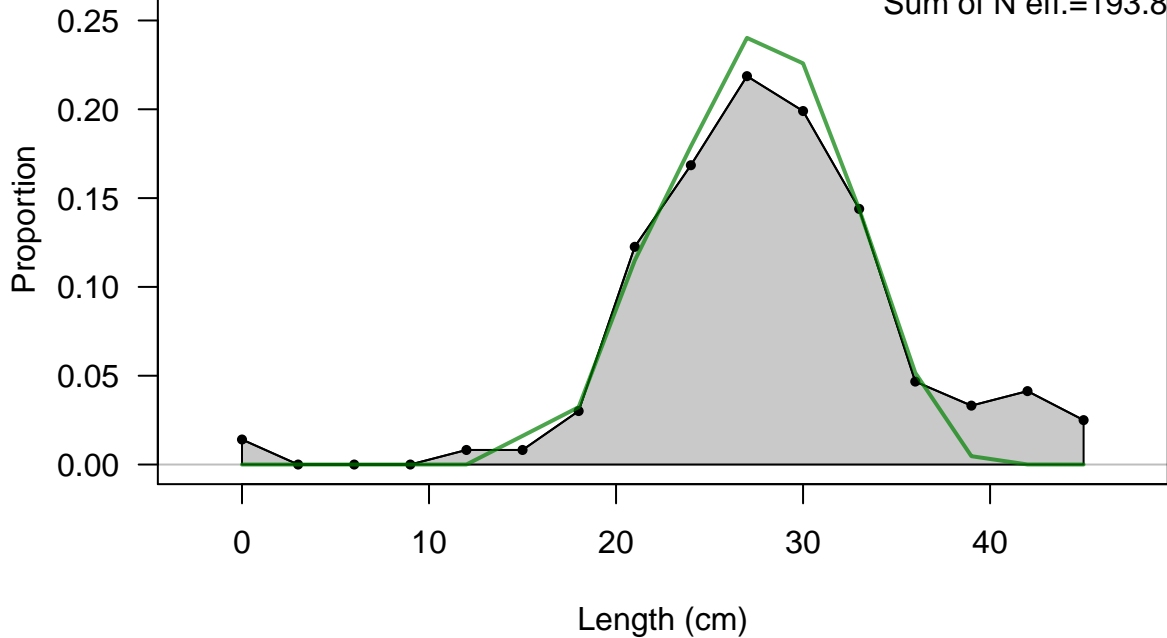


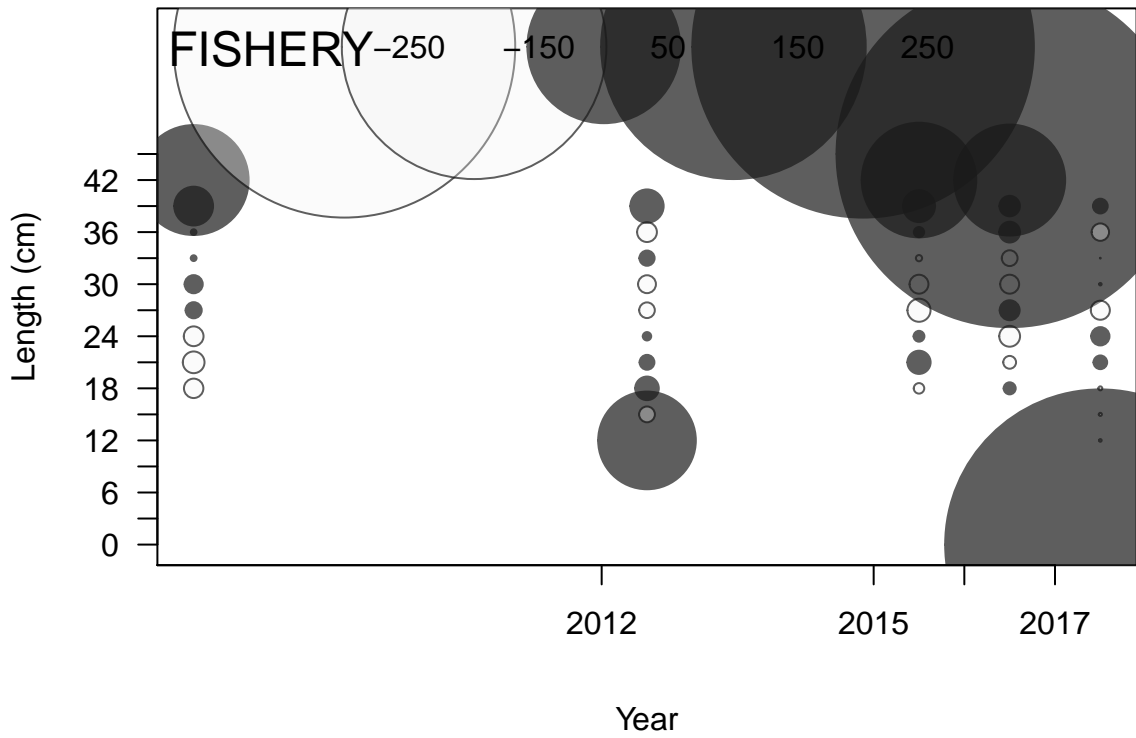
# FISHERY (whole catch)



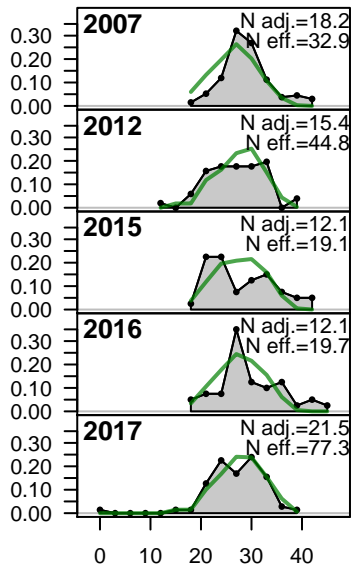
# FISHERY

Sum of N adj.=79.3  
Sum of N eff.=193.8

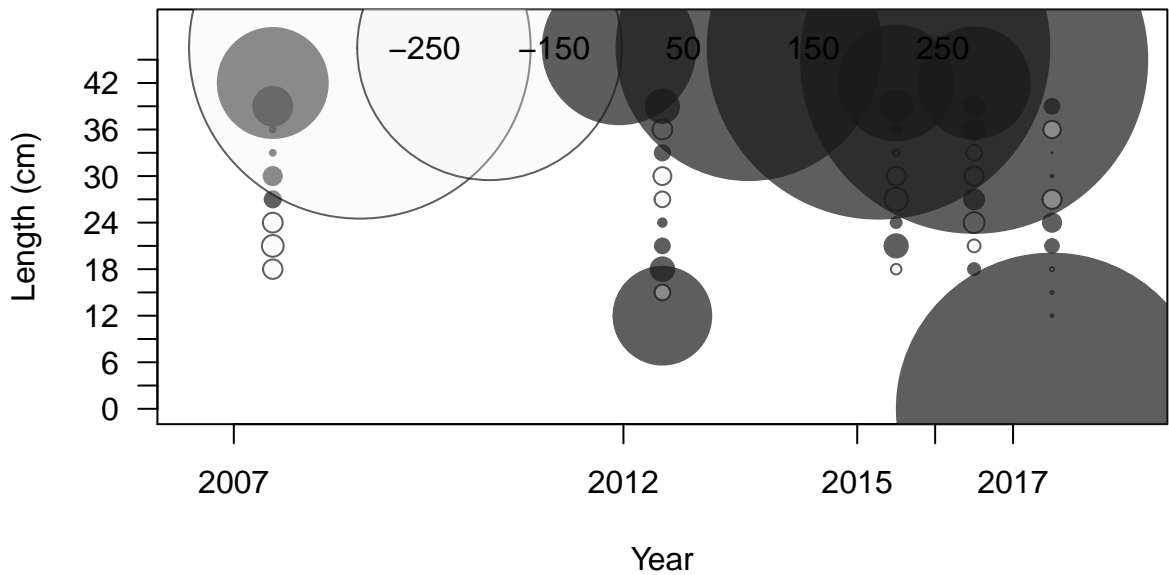




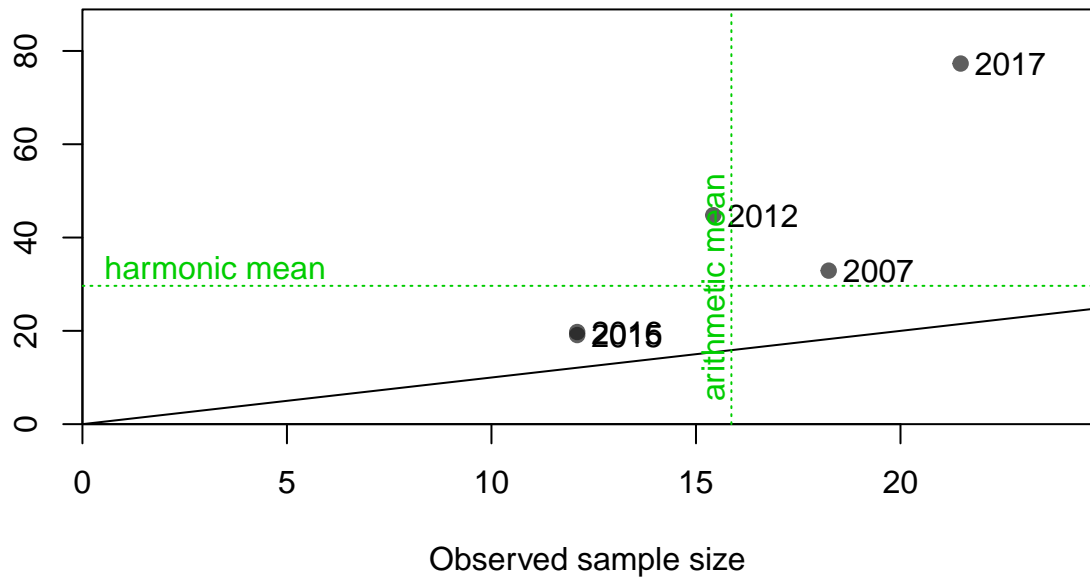
Proportion



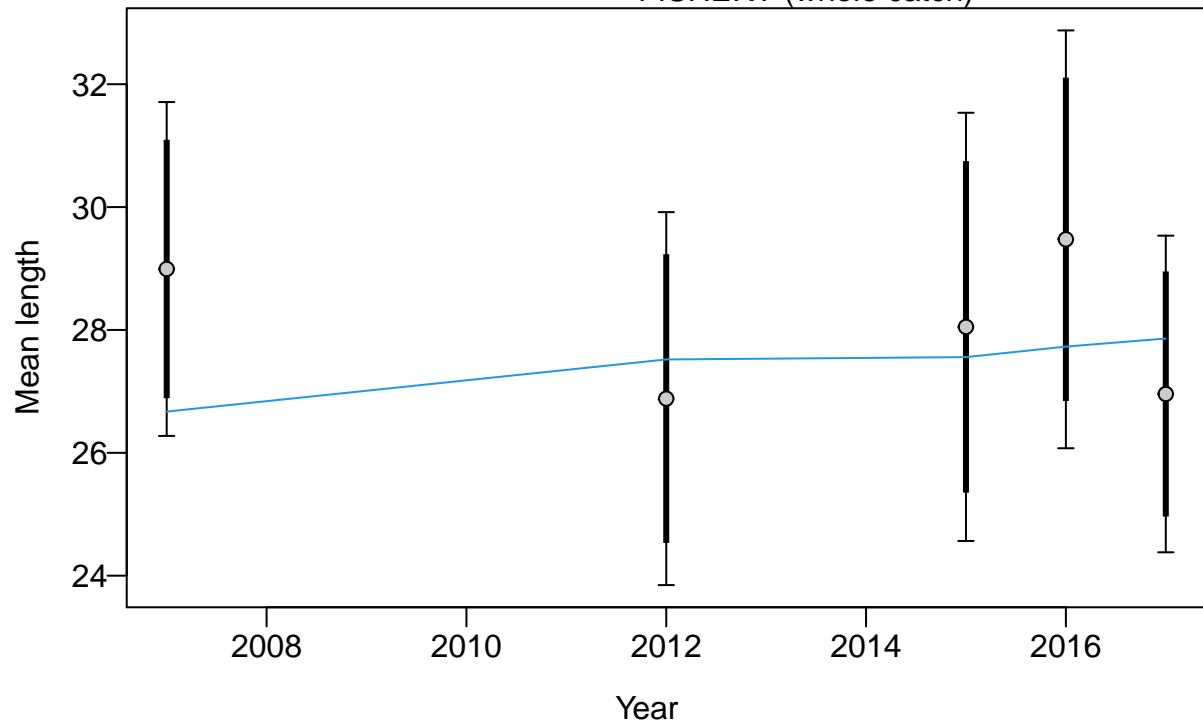
Length (cm)

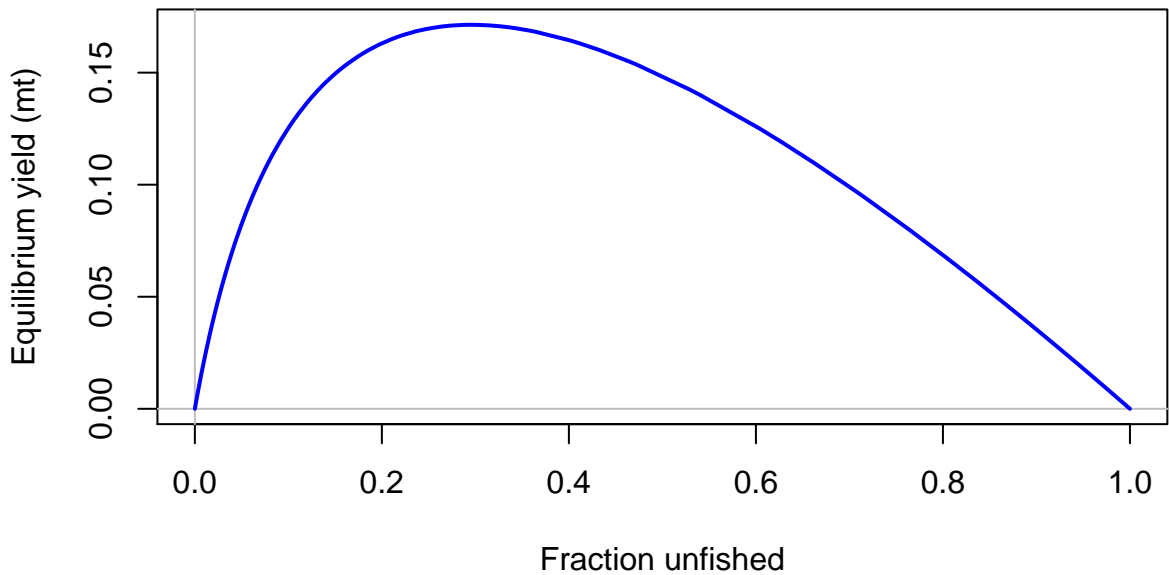


Effective sample size

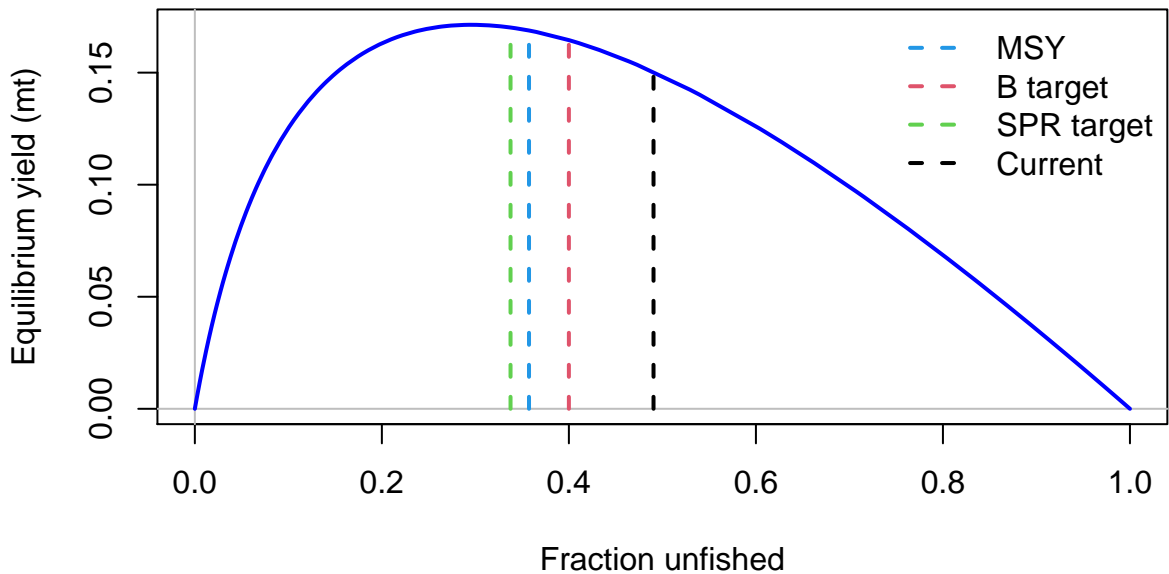


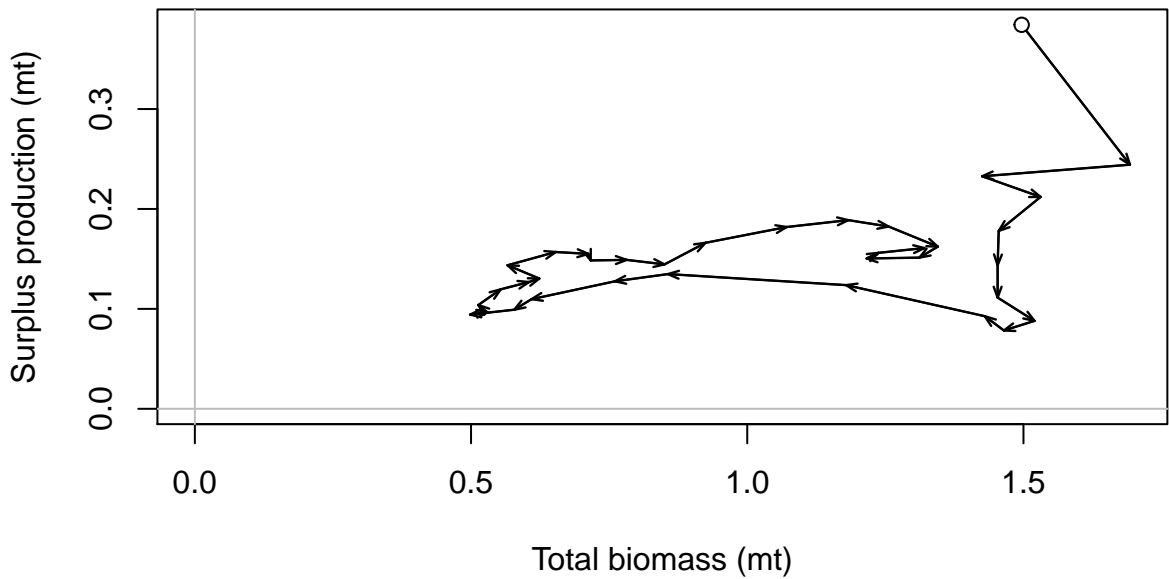
# FISHERY (whole catch)

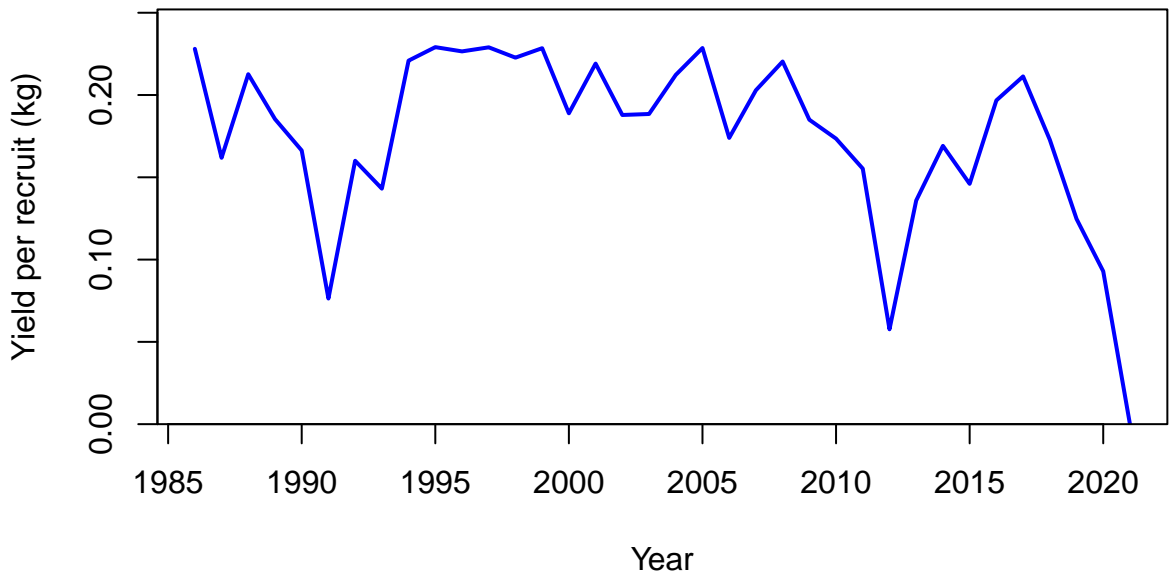


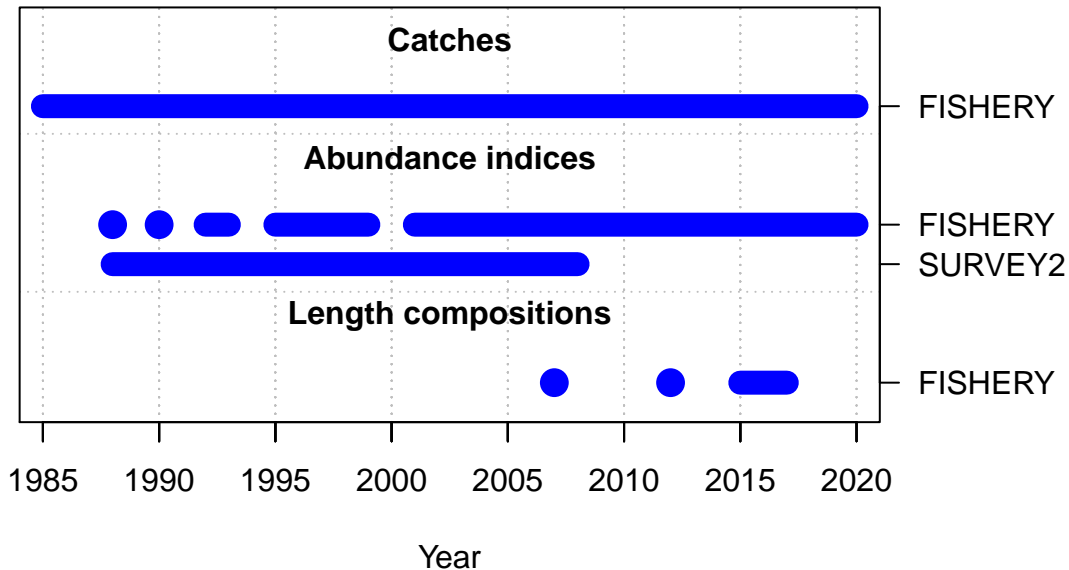


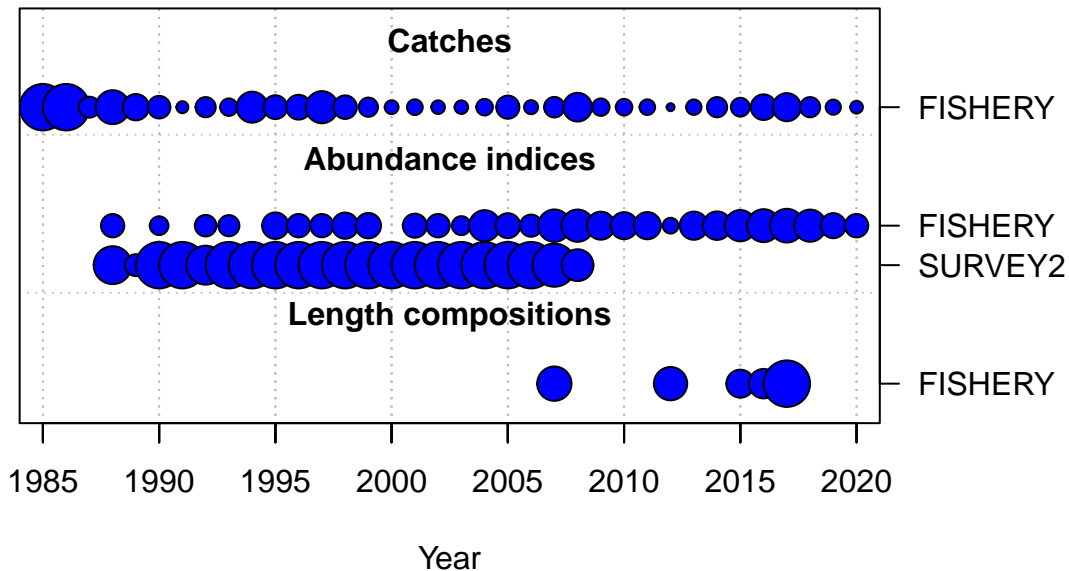




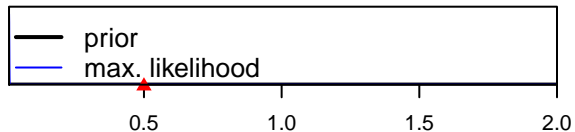




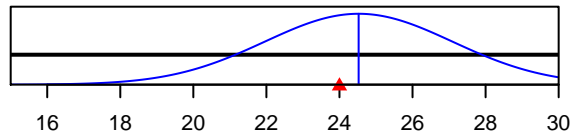




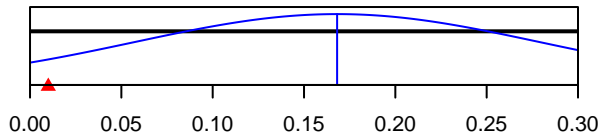
SR\_LN(R0)



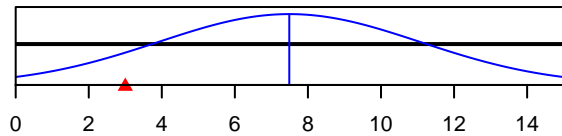
Size\_inflection\_FISHERY(1)



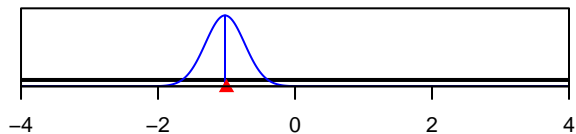
InitF\_seas\_1\_flt\_1FISHERY



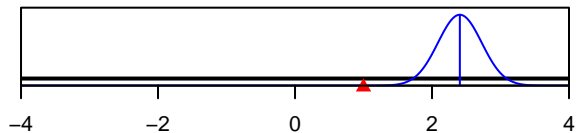
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value