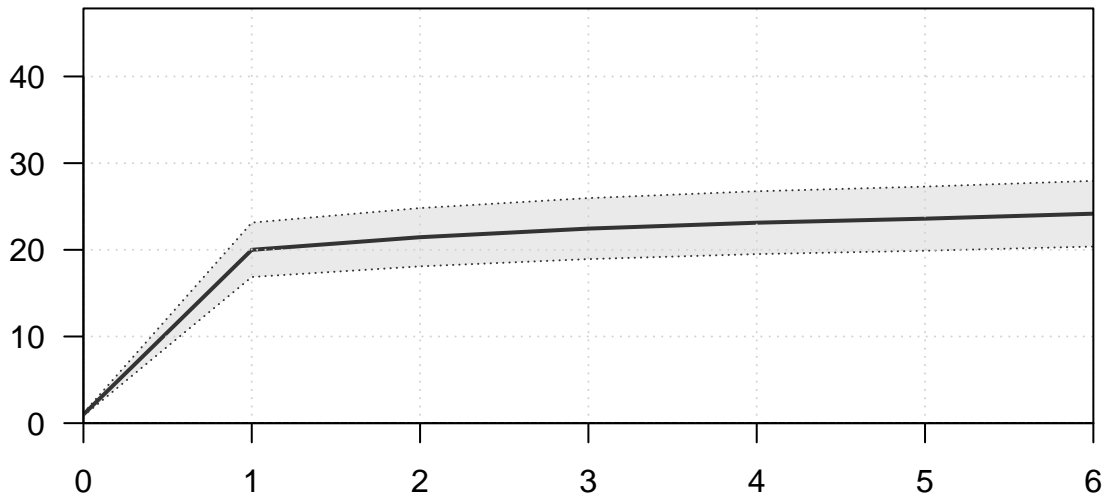
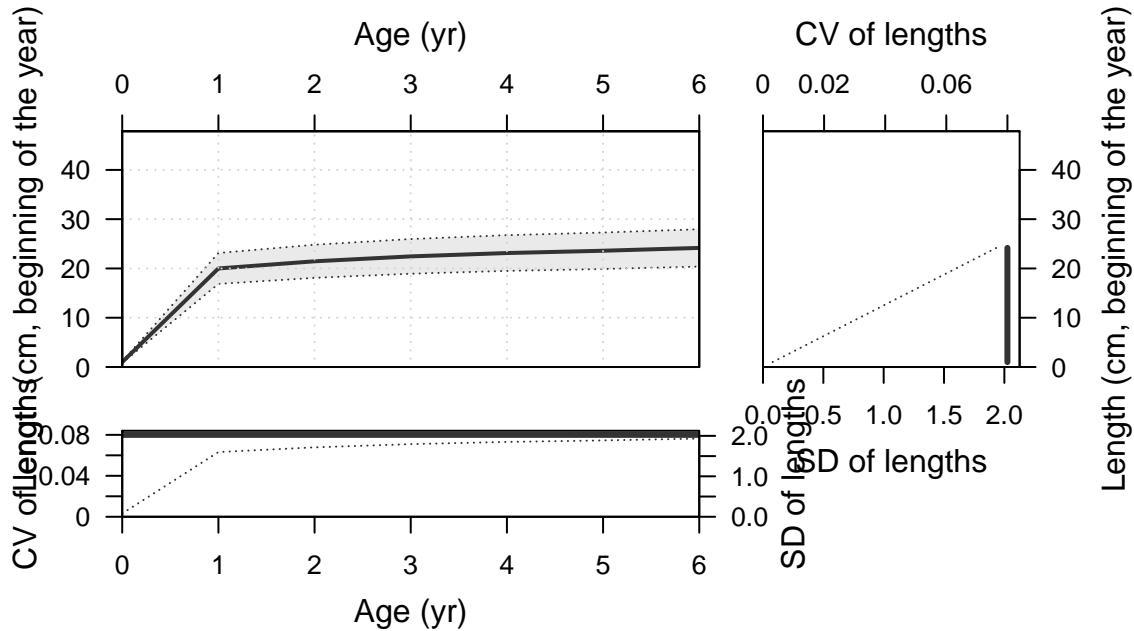


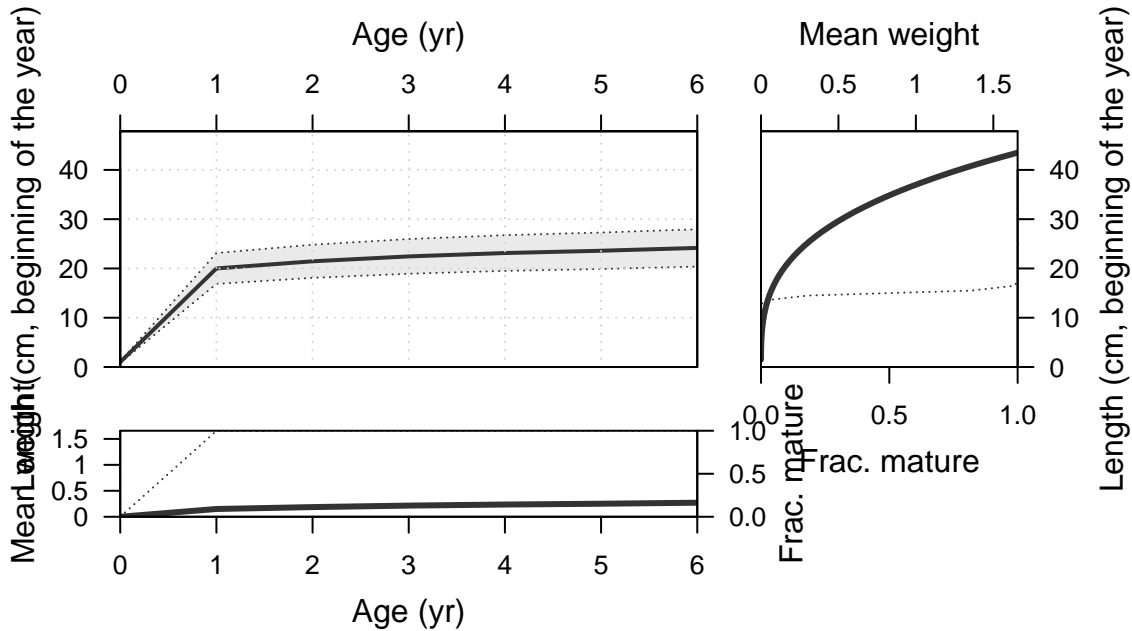
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Sun Jul 24 08:57:38 2022  
Data\_File: data.ss  
Control\_File: control.ss

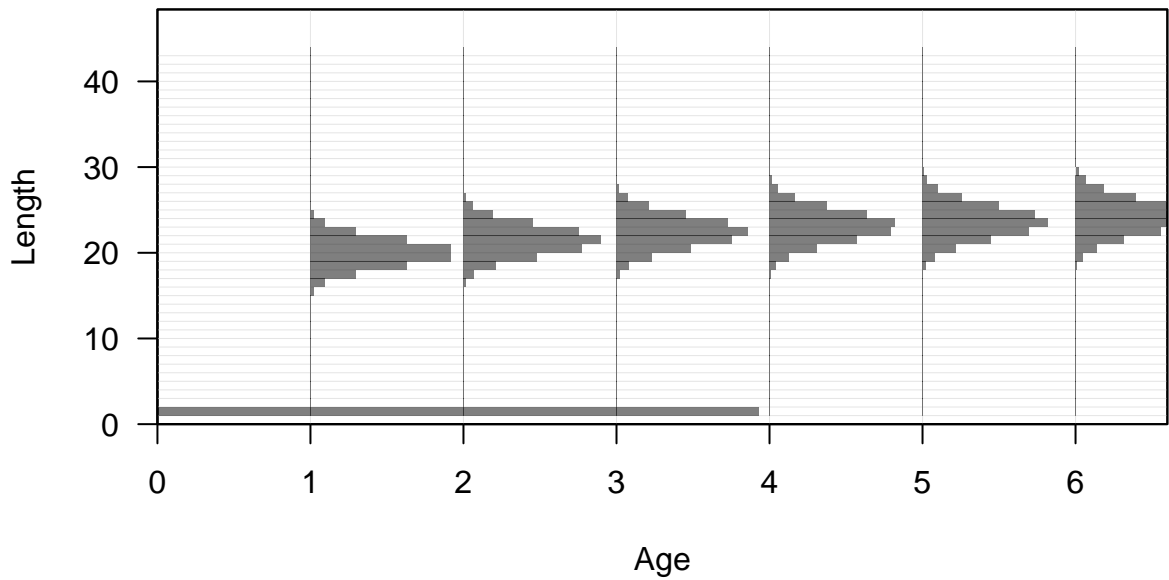
Length (cm, beginning of the year)

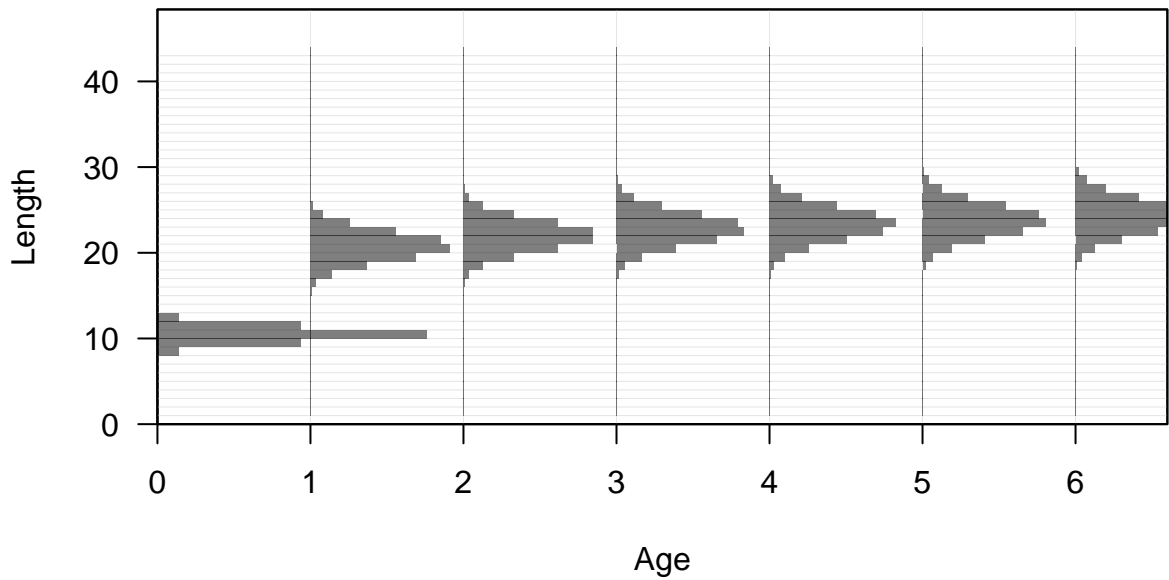


Age (yr)













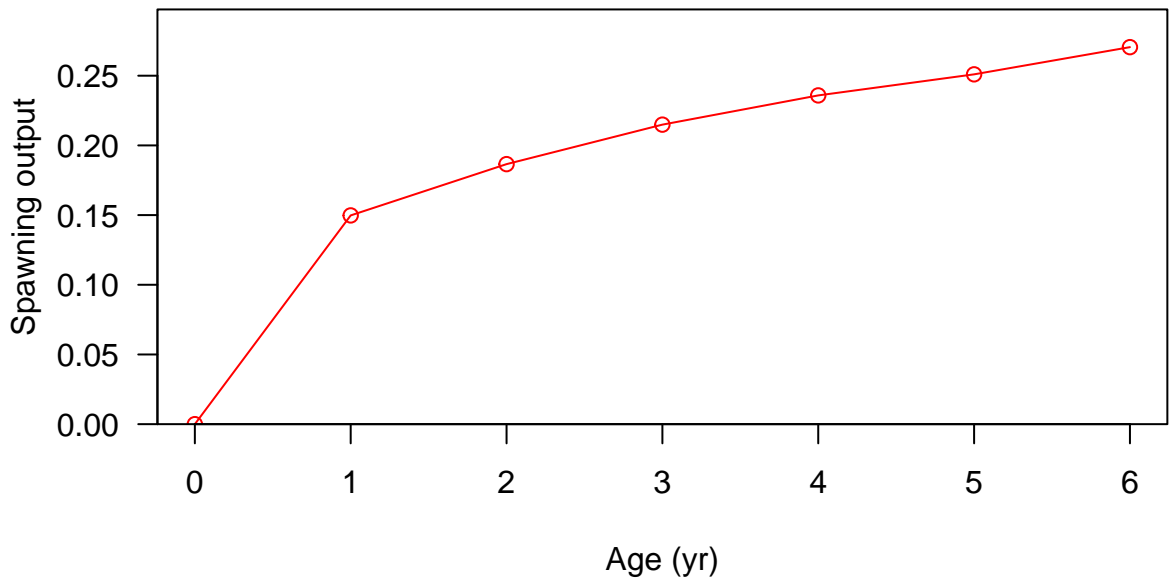




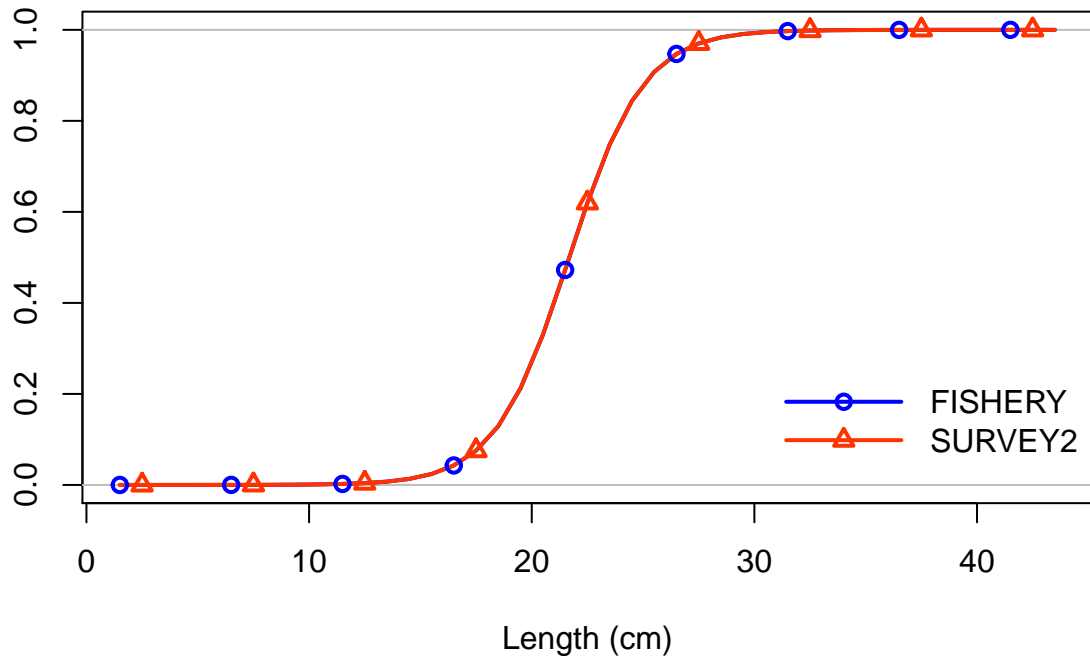




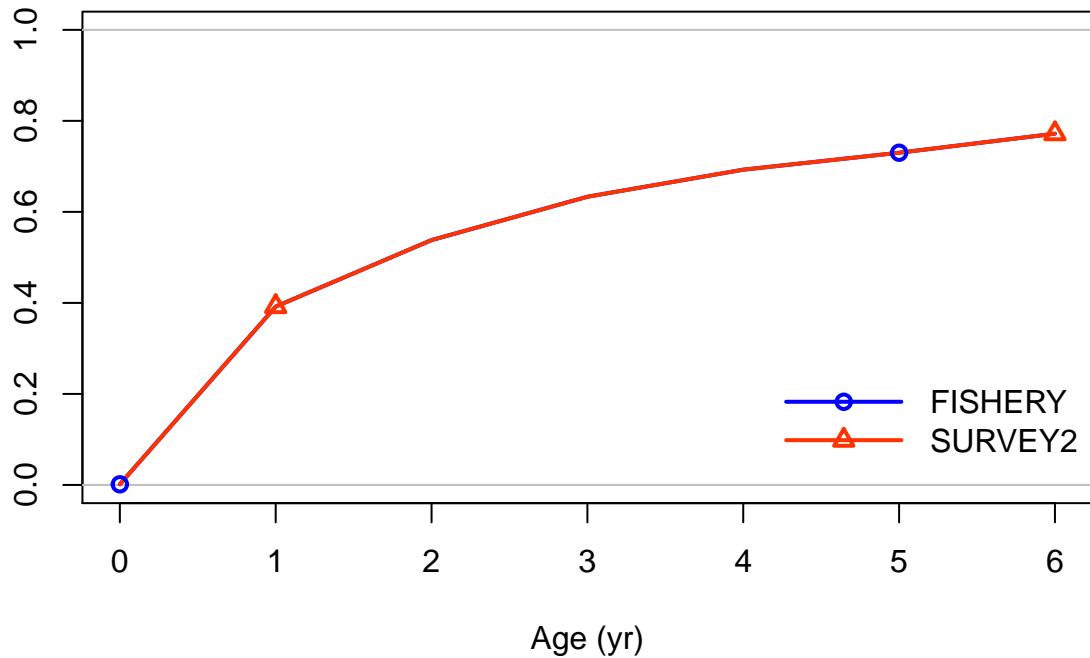




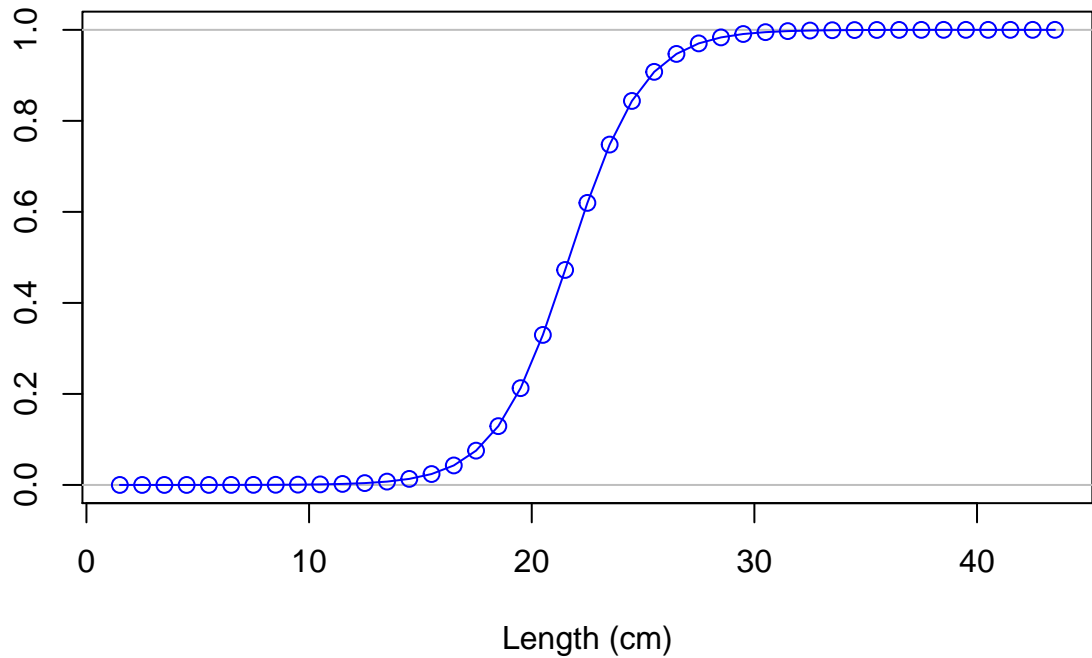
Selectivity



Selectivity

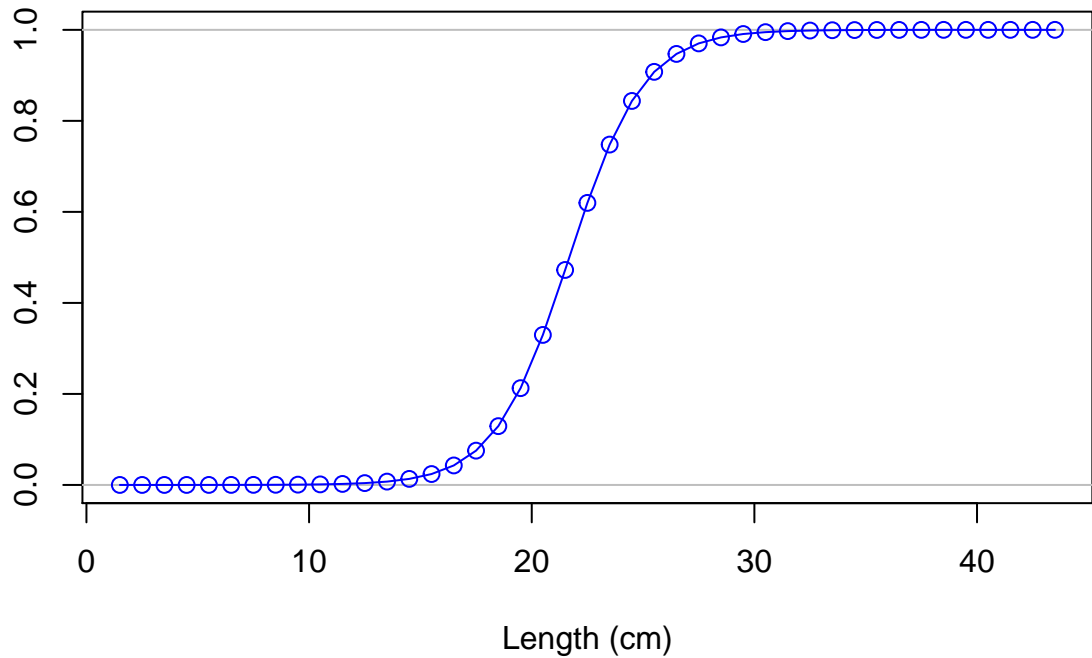


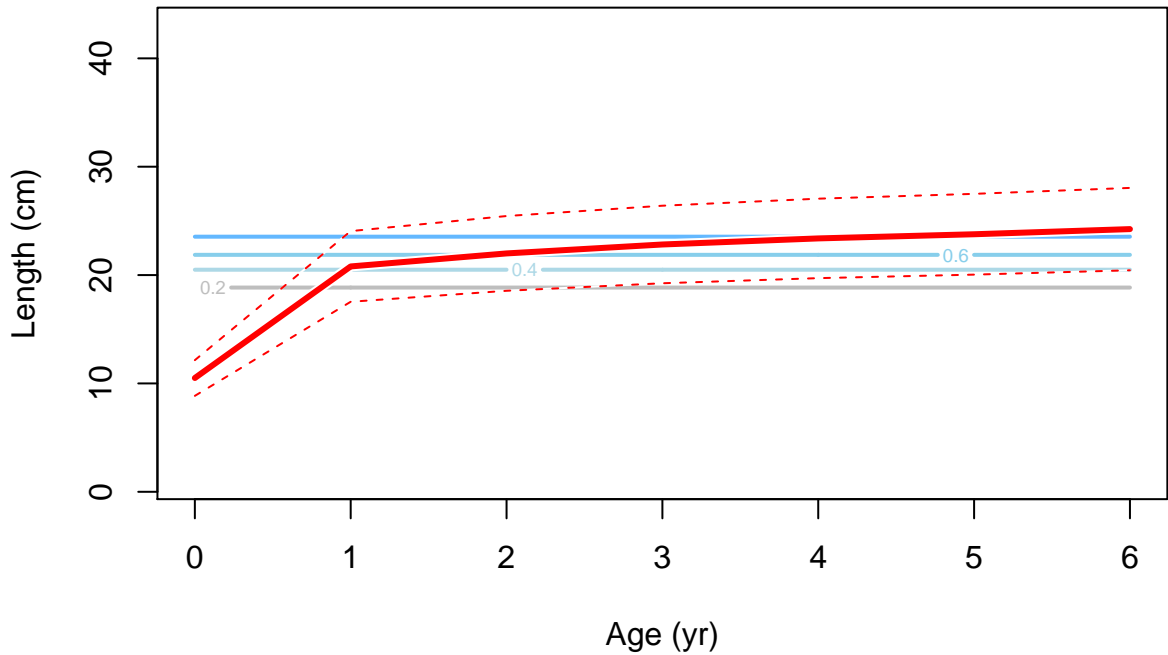
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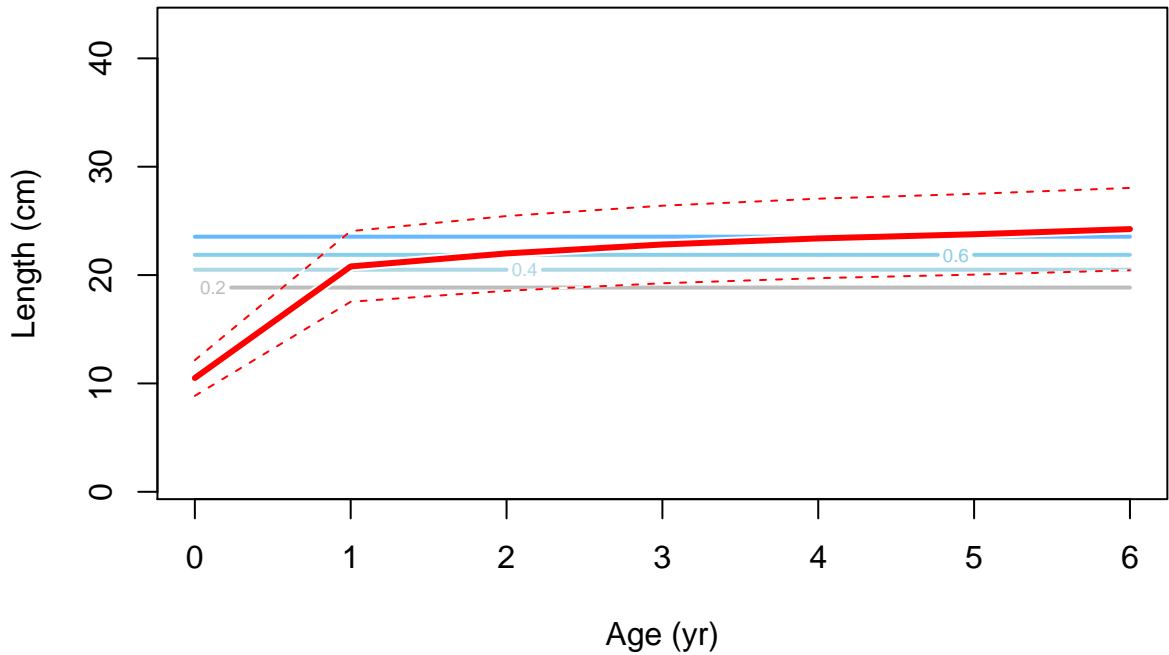


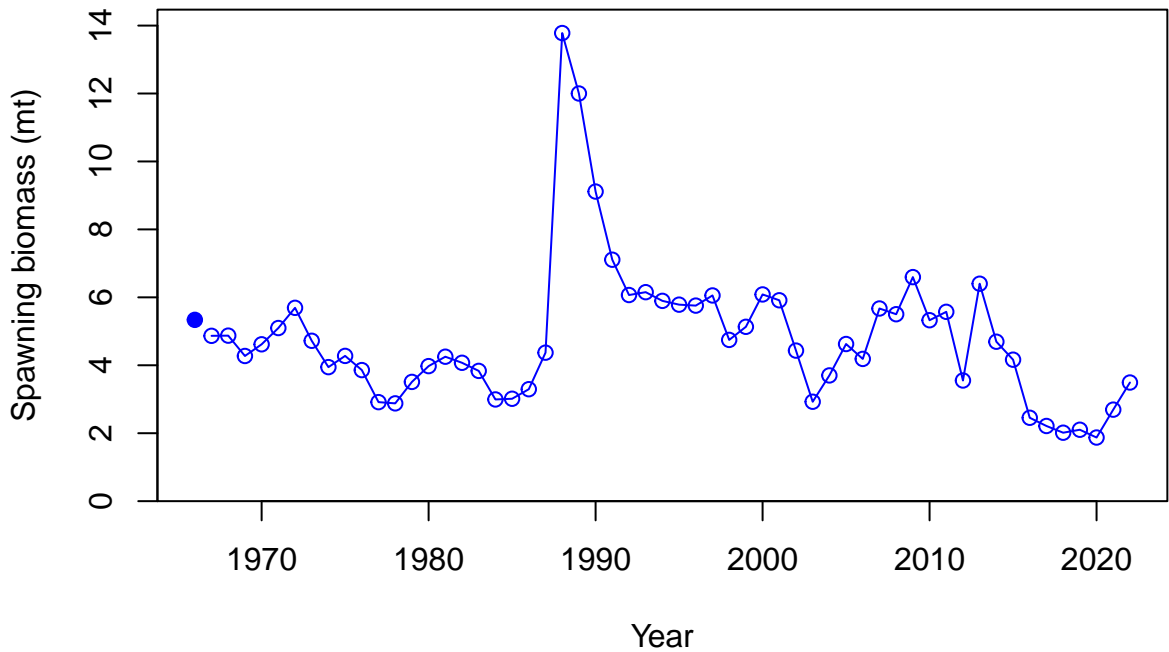


Selectivity

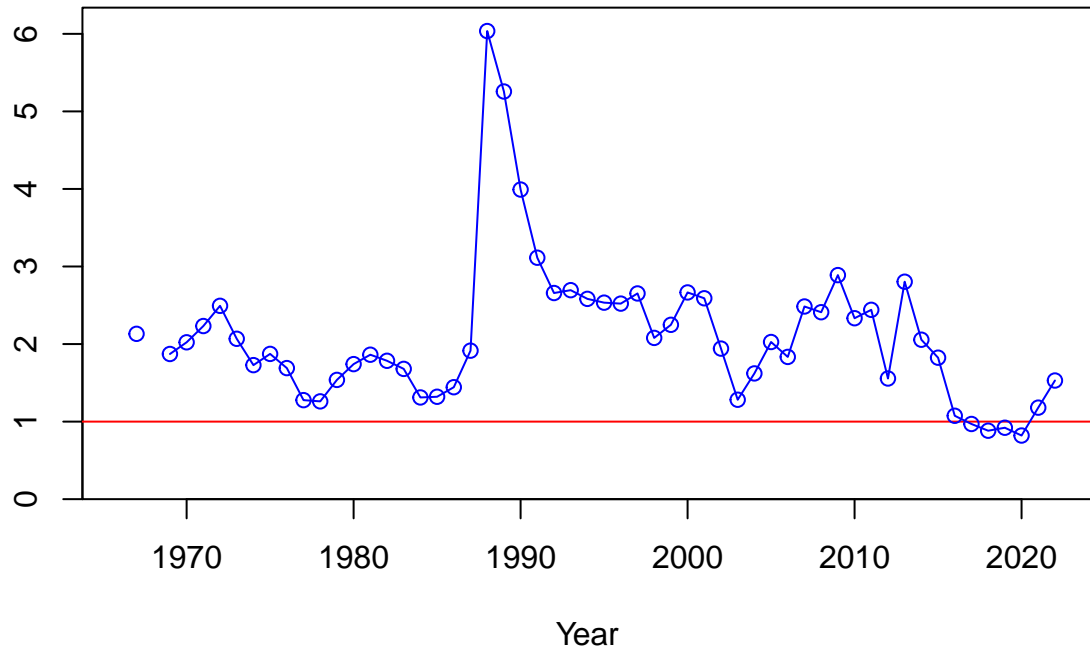


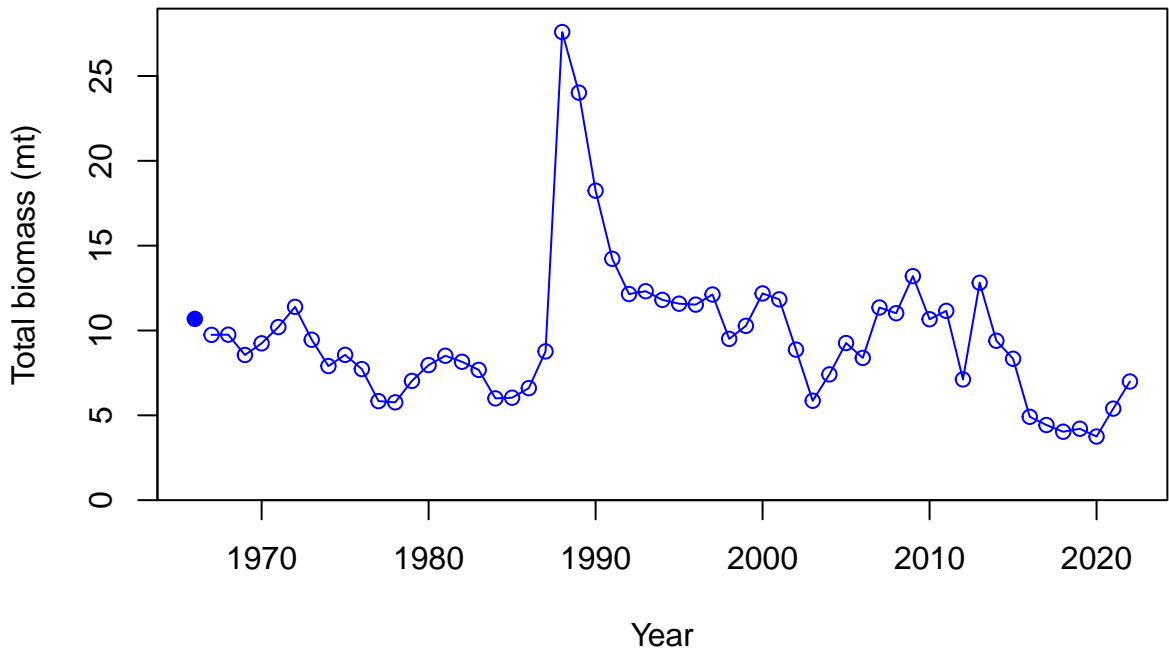




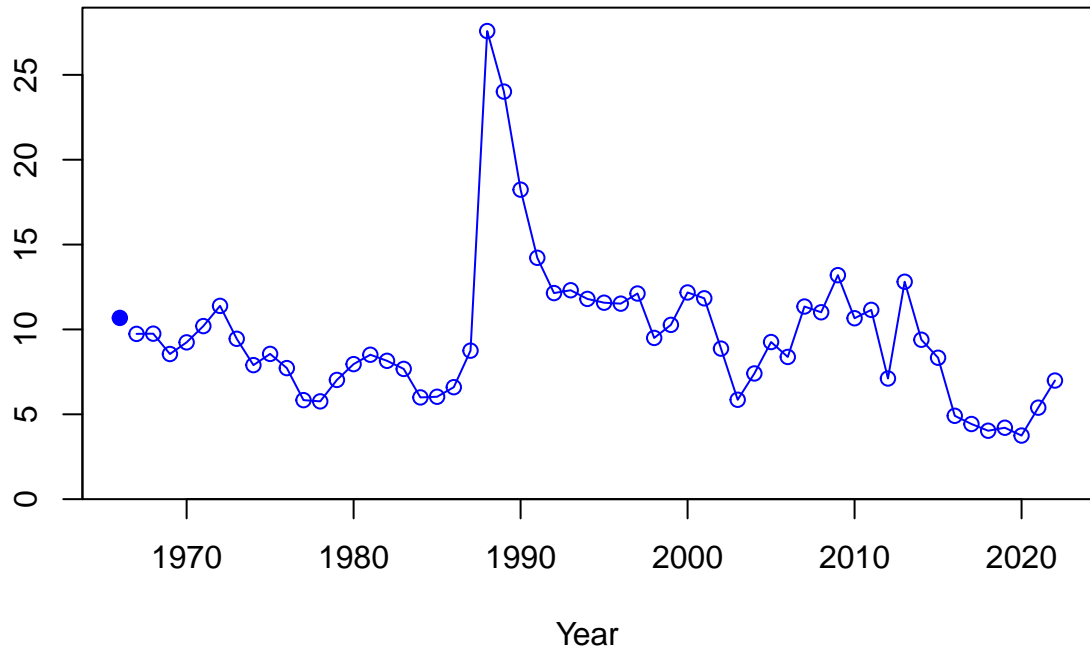


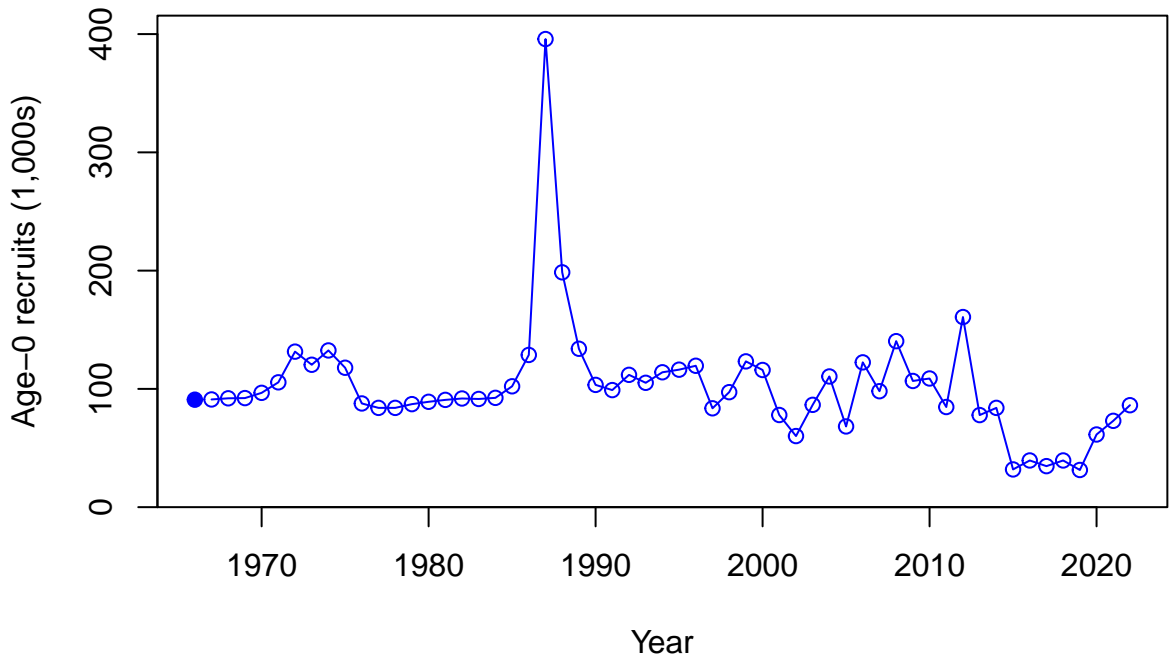
Relative spawning biomass:  $B/B_{MSY}$





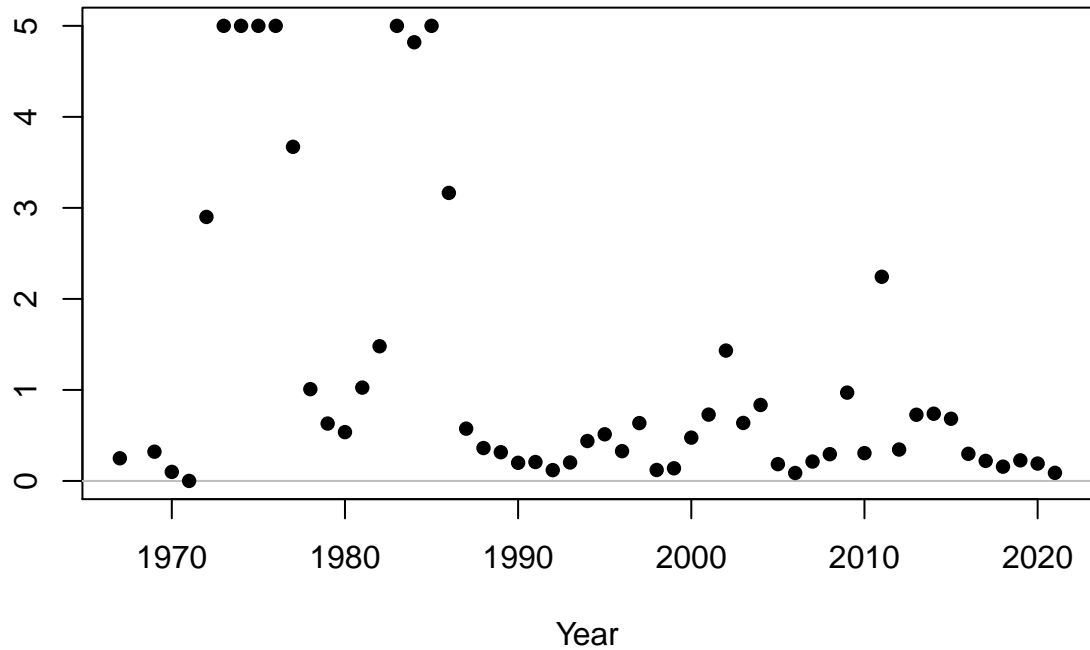
Summary biomass (mt)

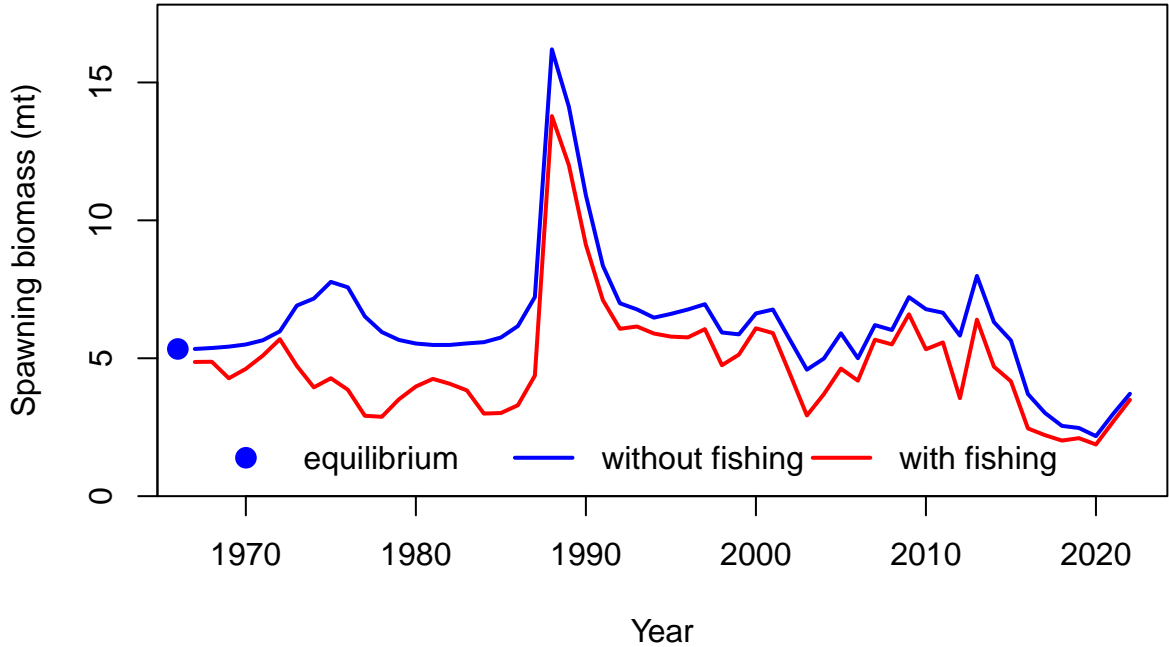




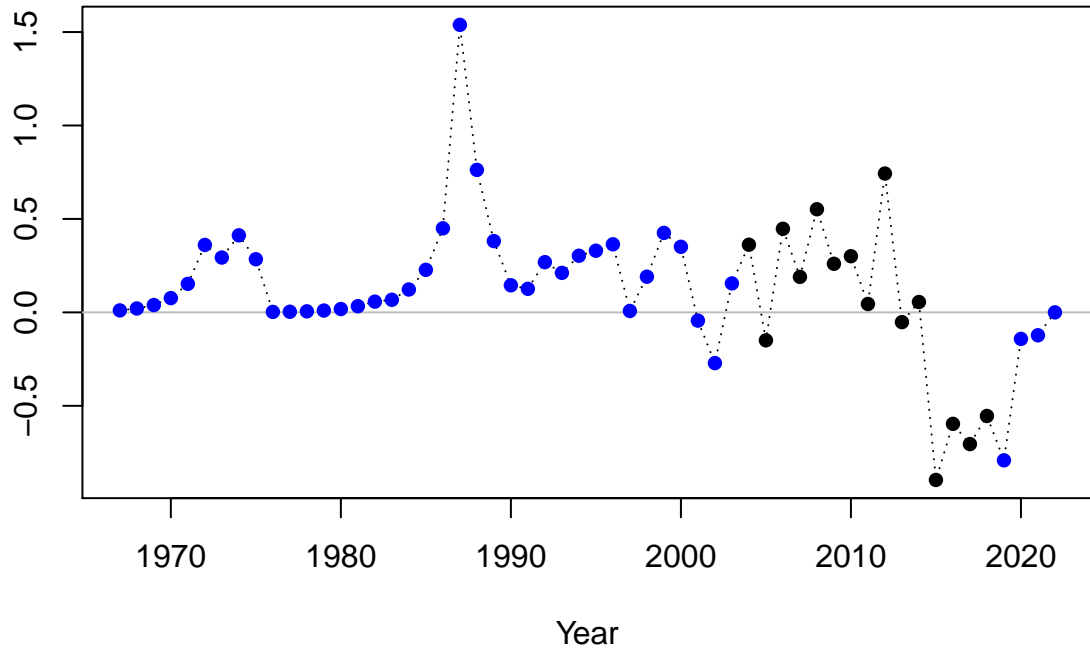


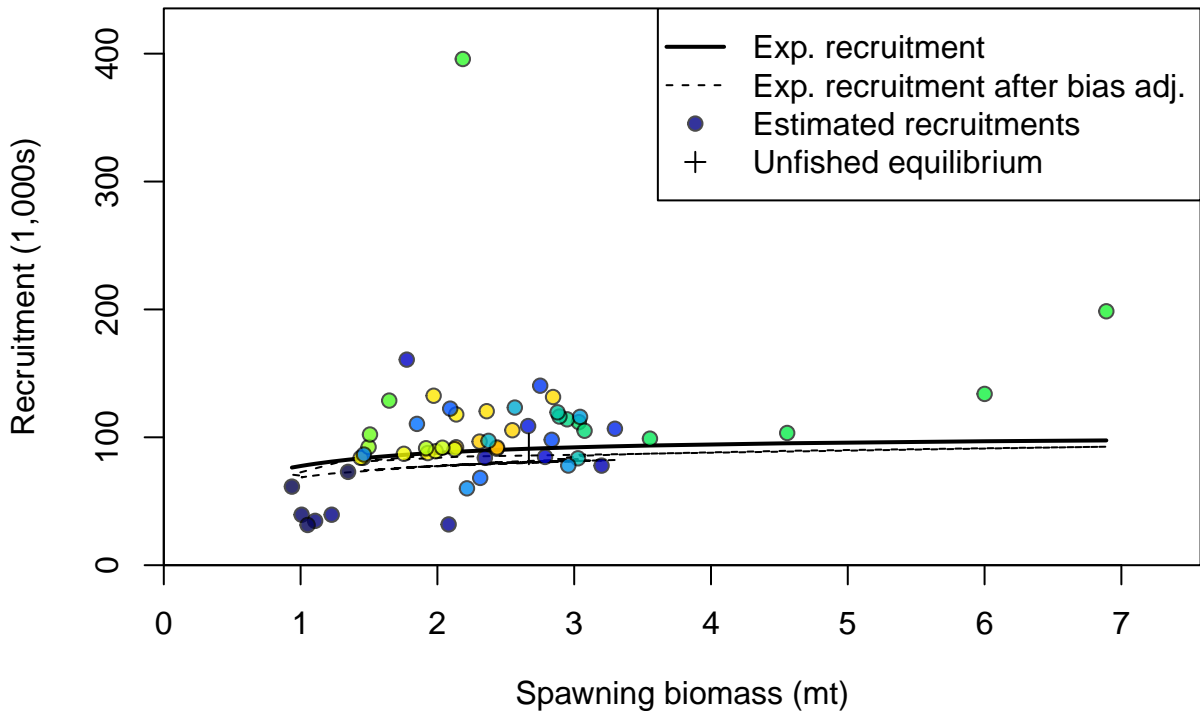
Summary Fishing Mortality

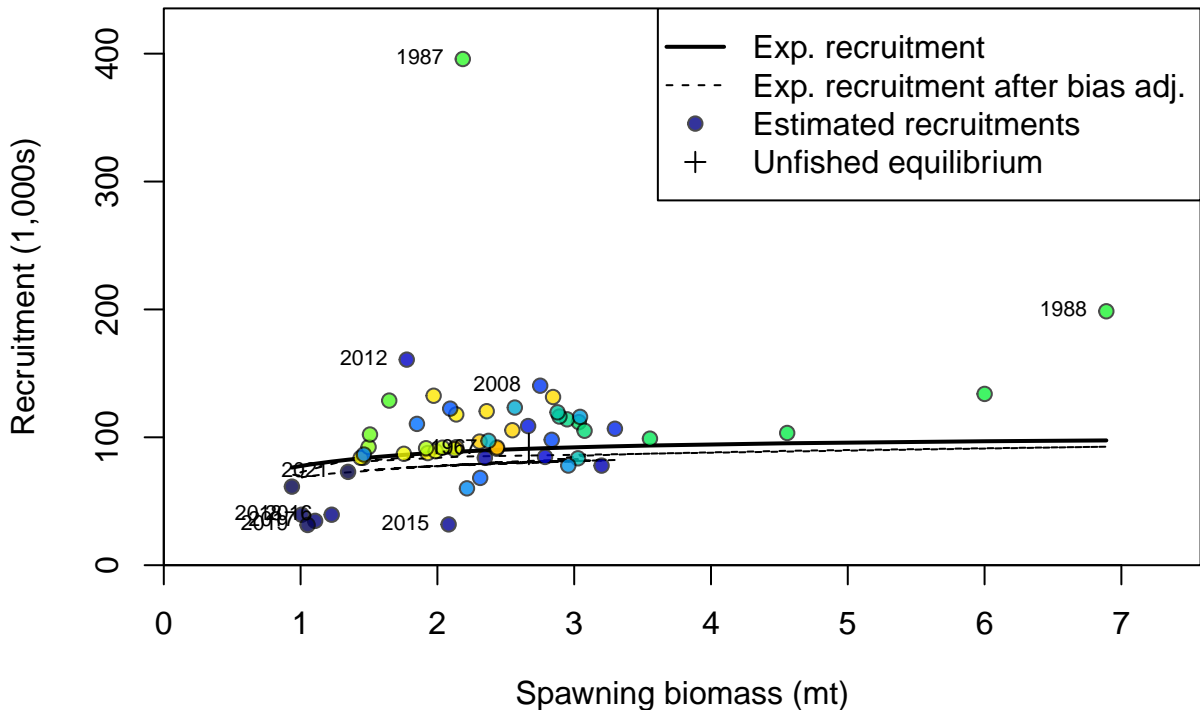




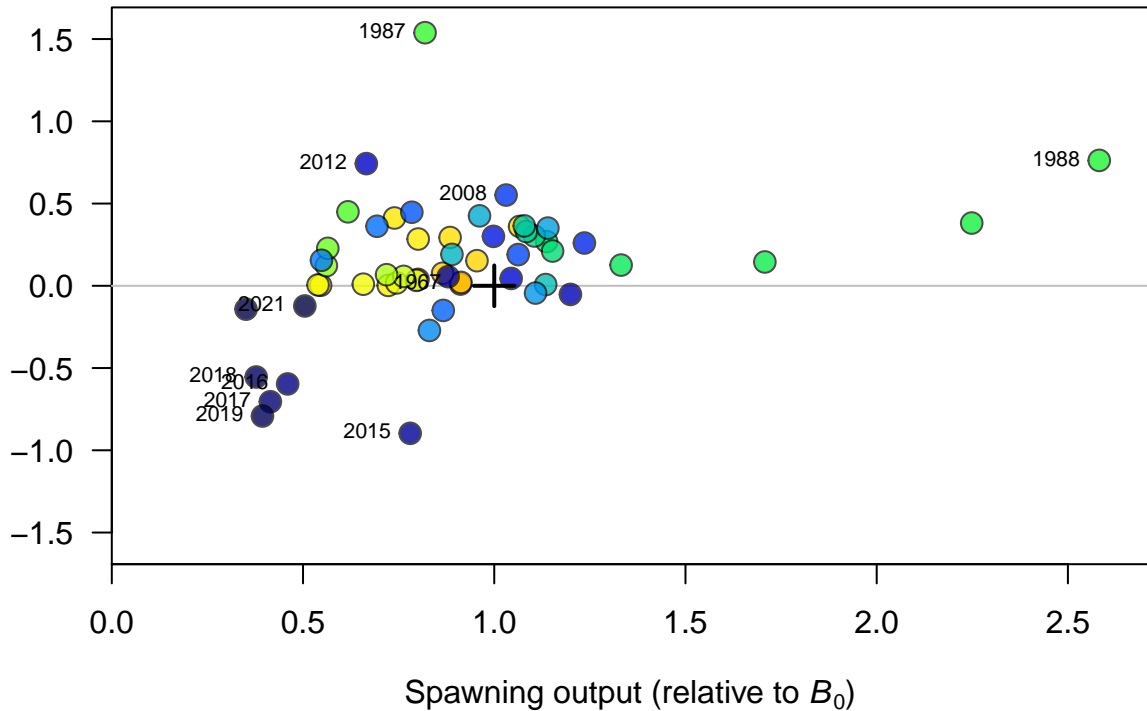
Log recruitment deviation

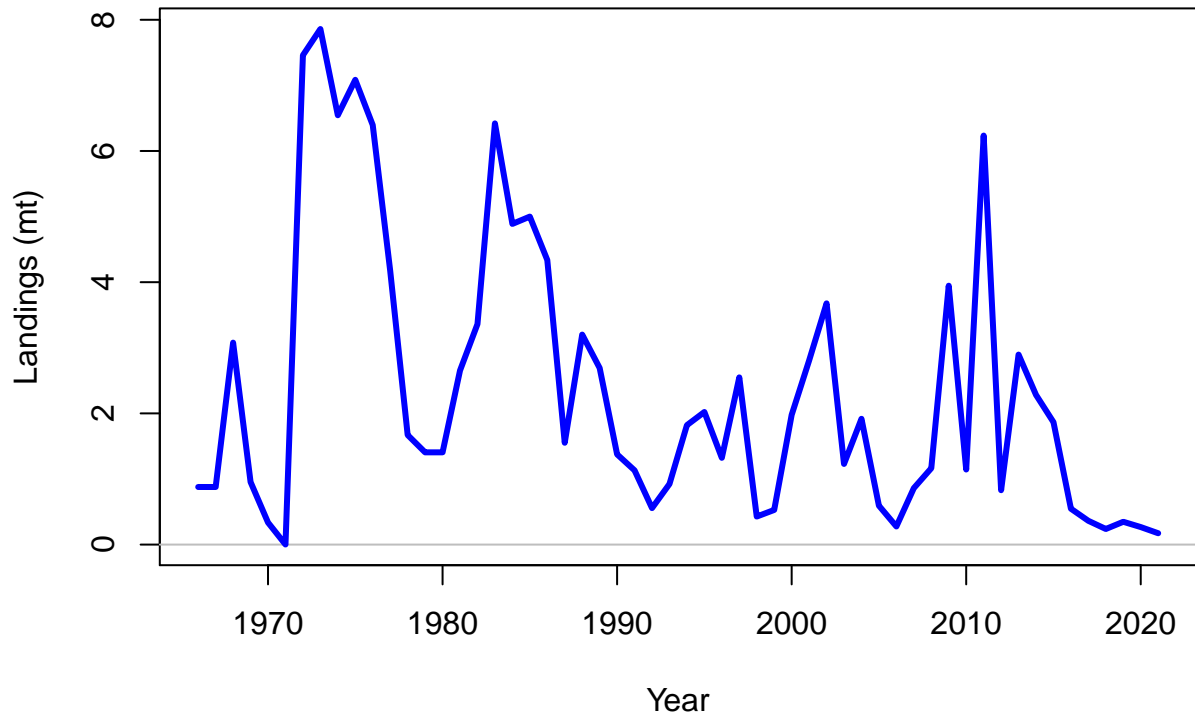


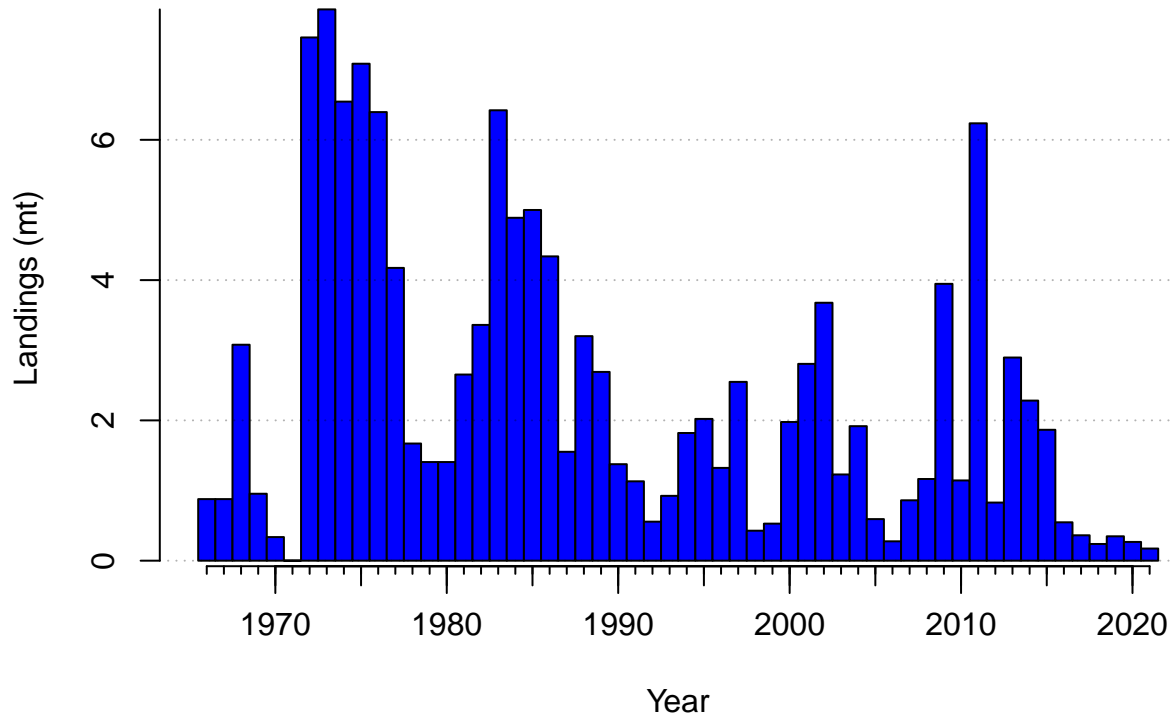




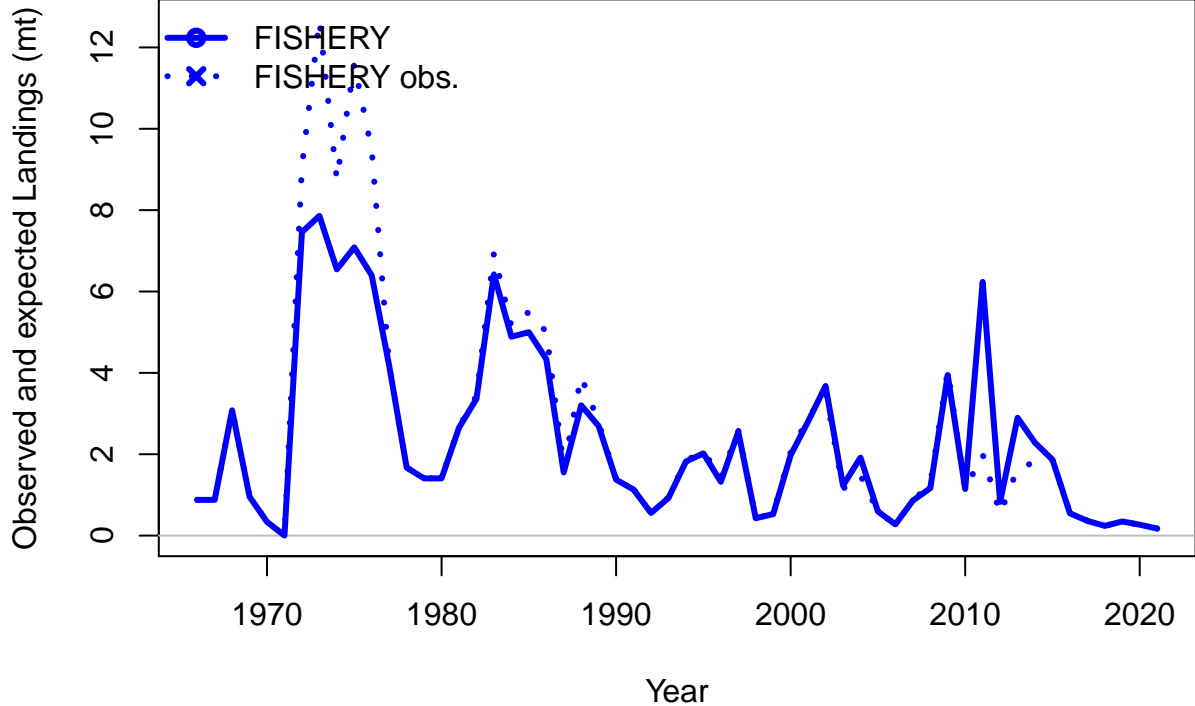
Log recruitment deviation

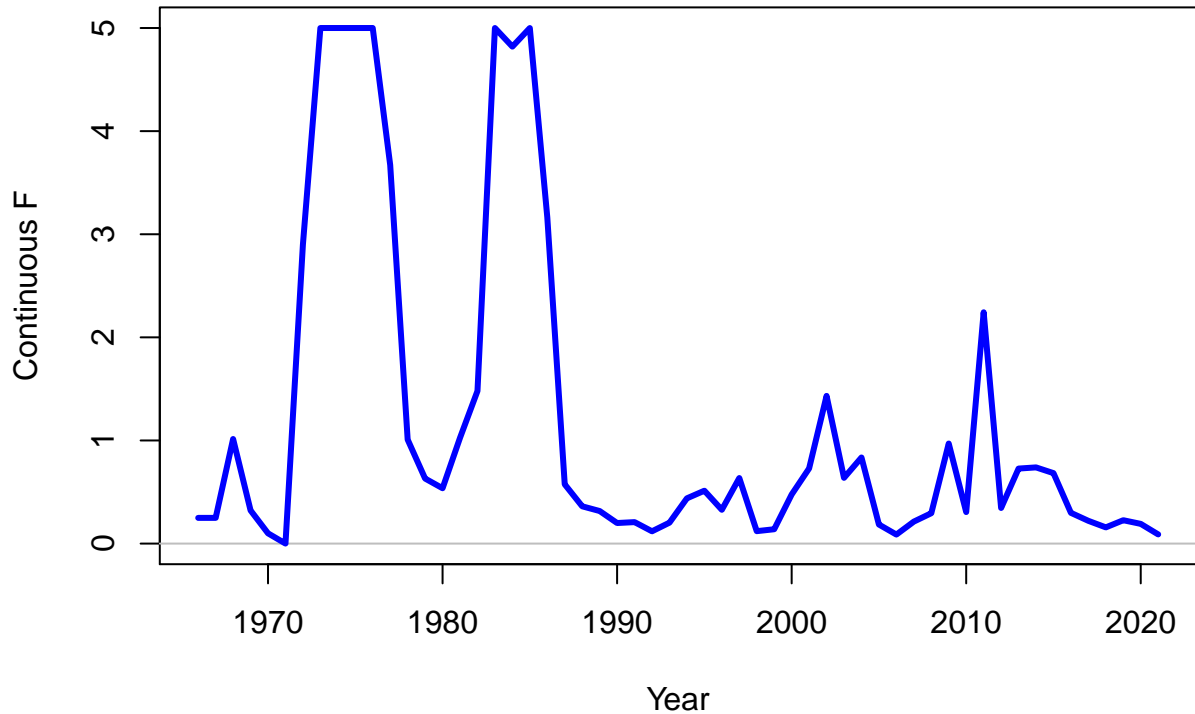




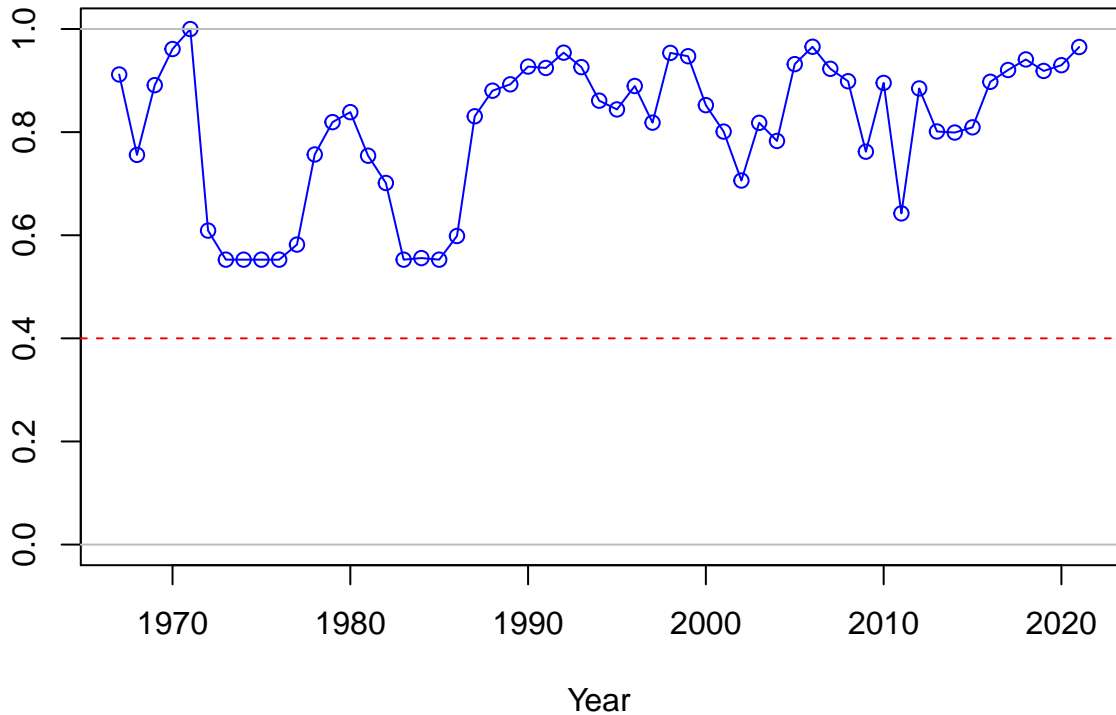




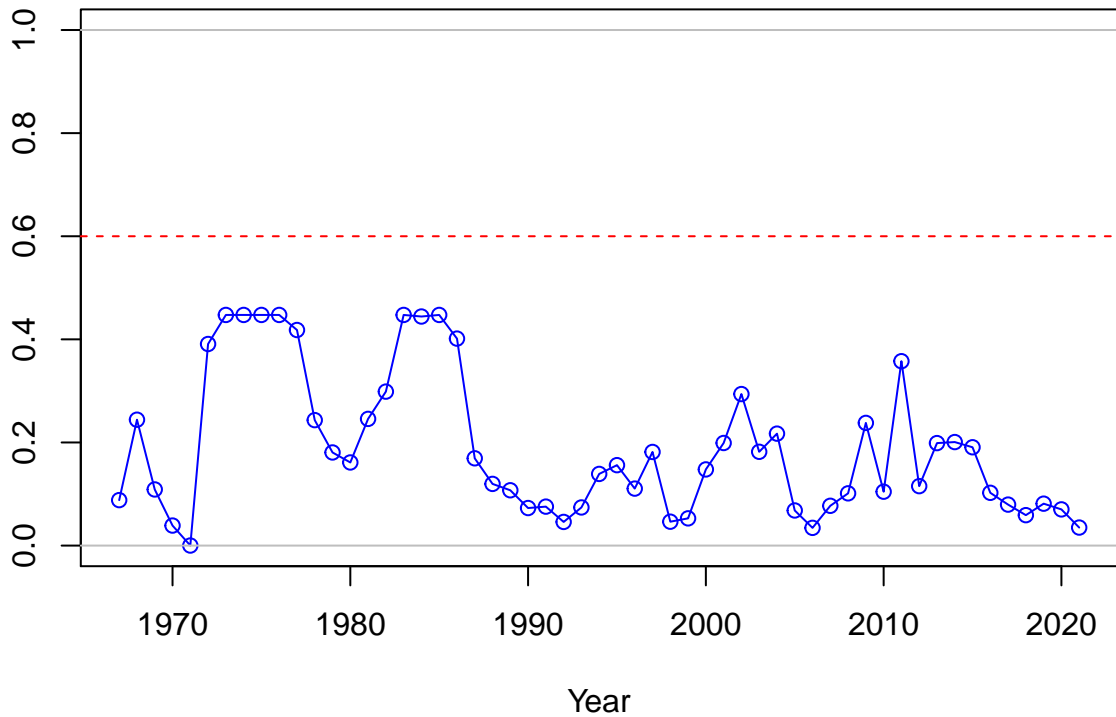




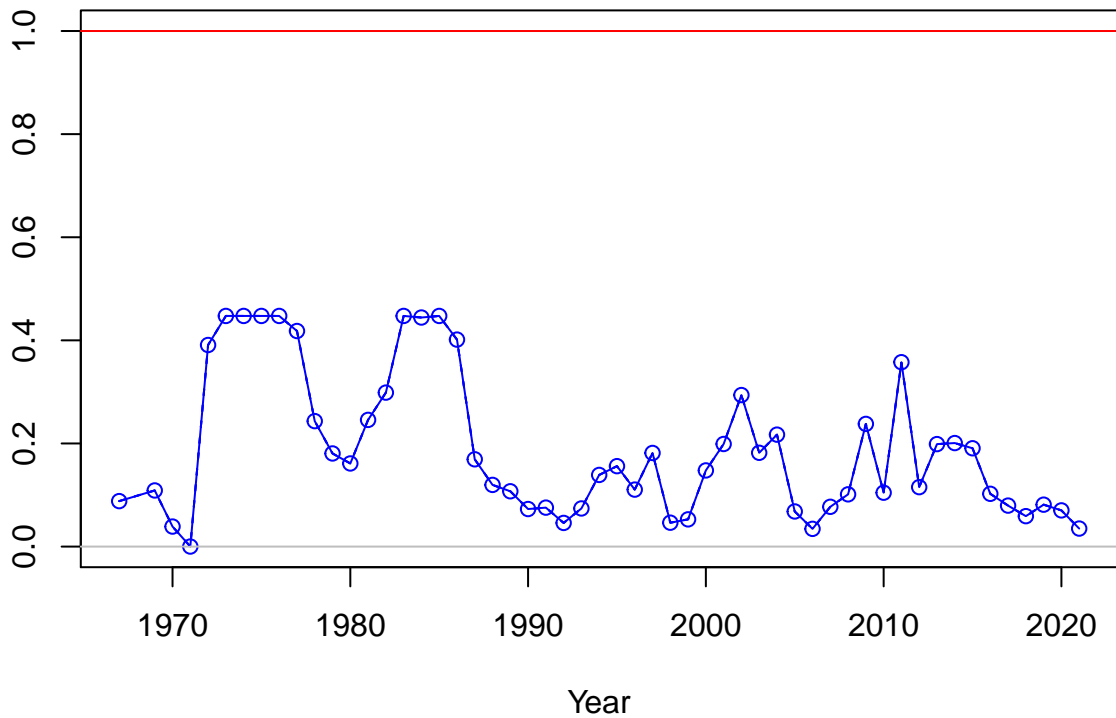
SPR



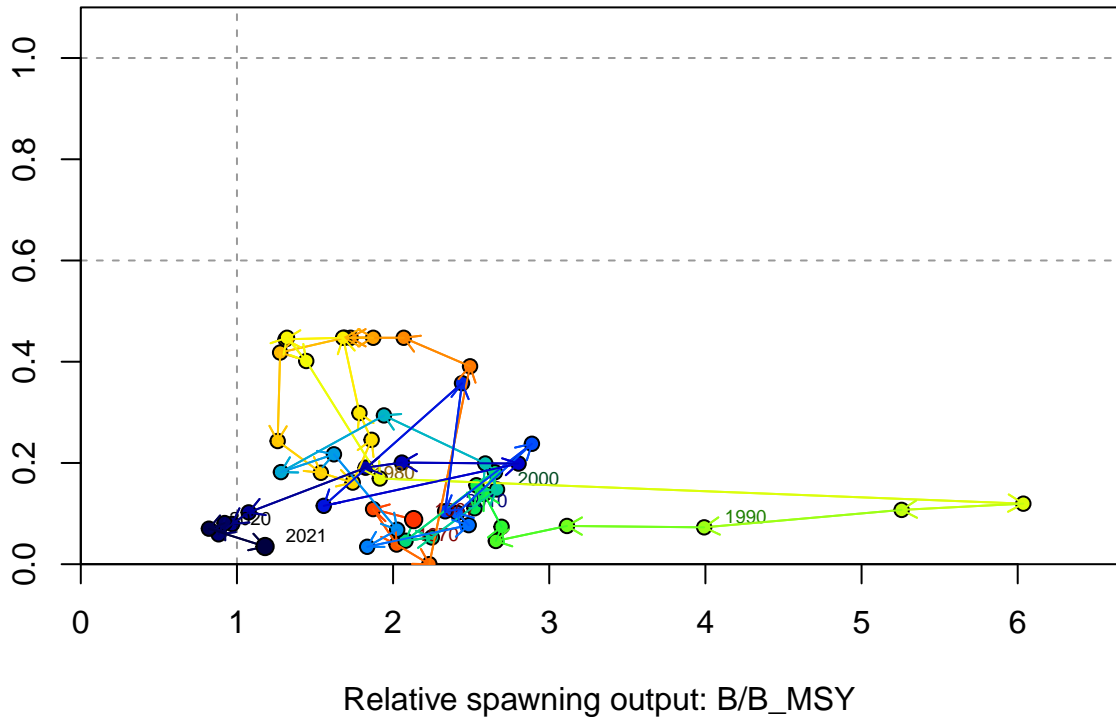
1-SPR



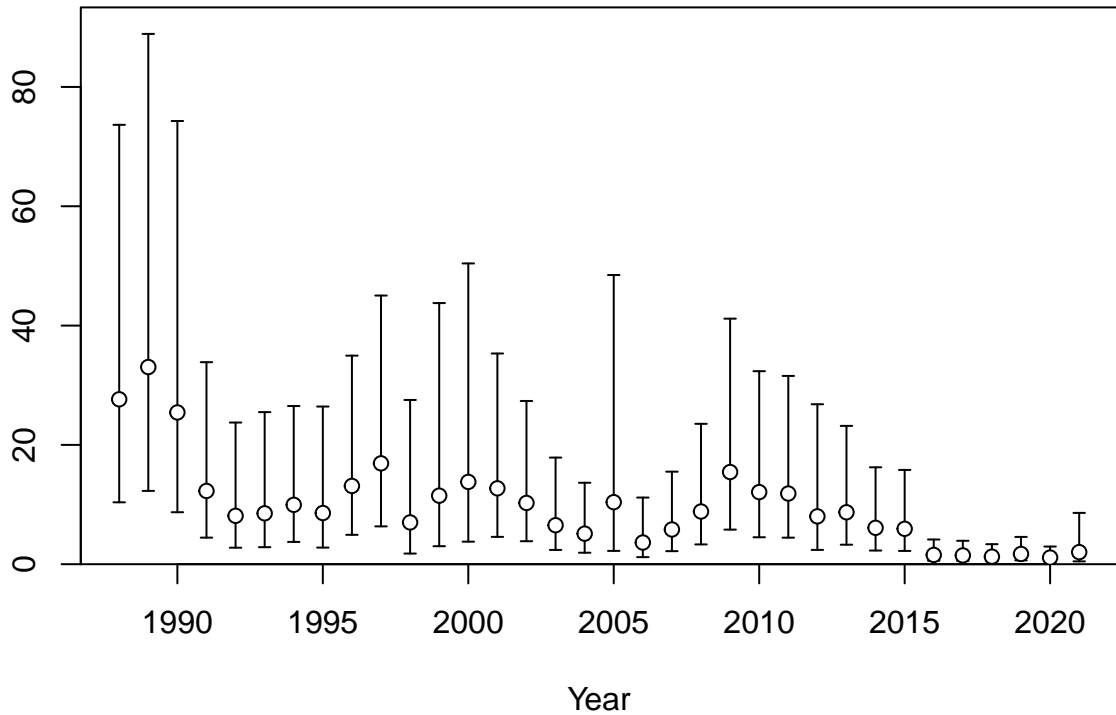
Fishing intensity: 1-SPR



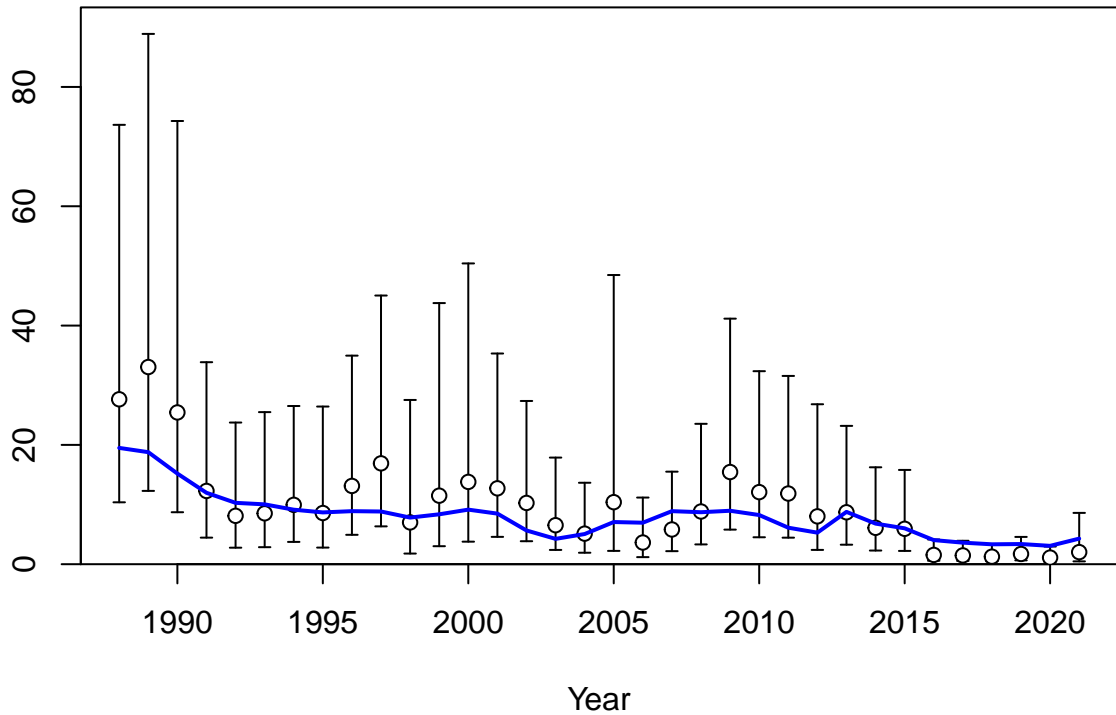
Fishing intensity: 1-SPR



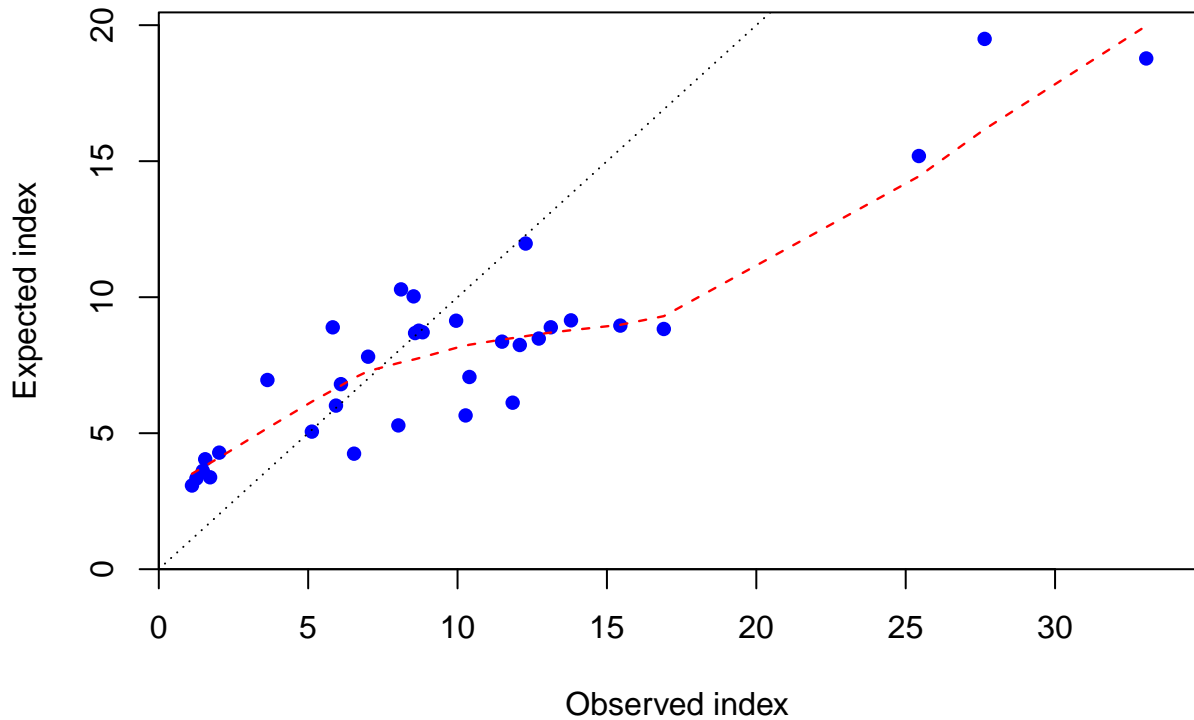
Index



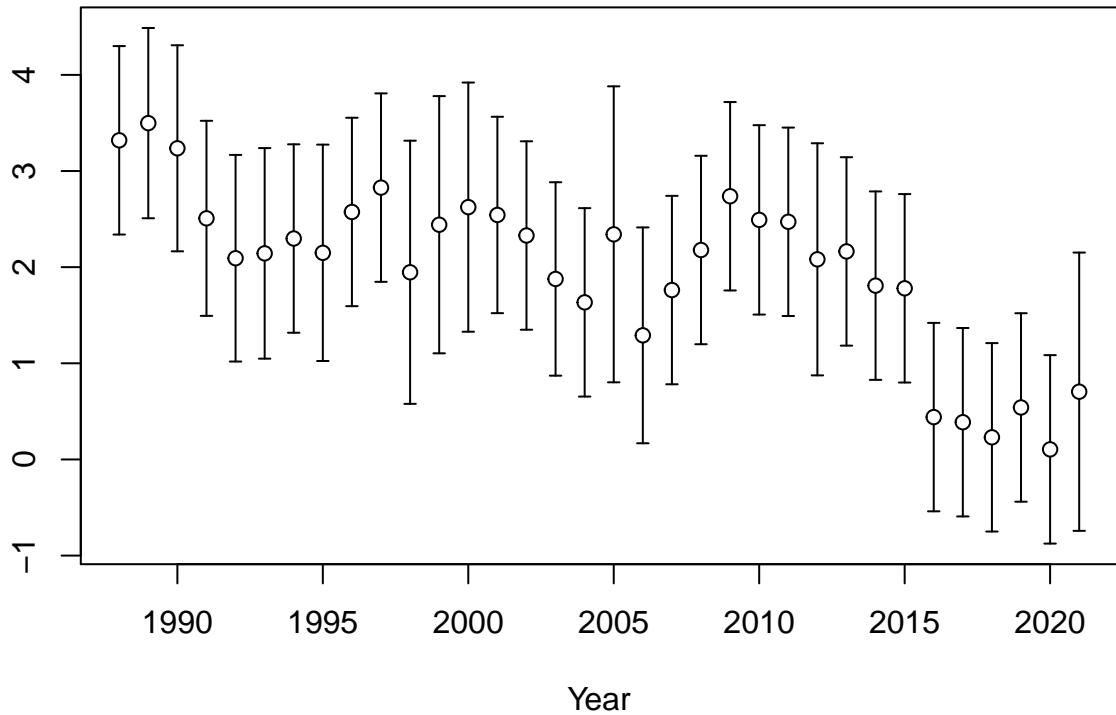
Index

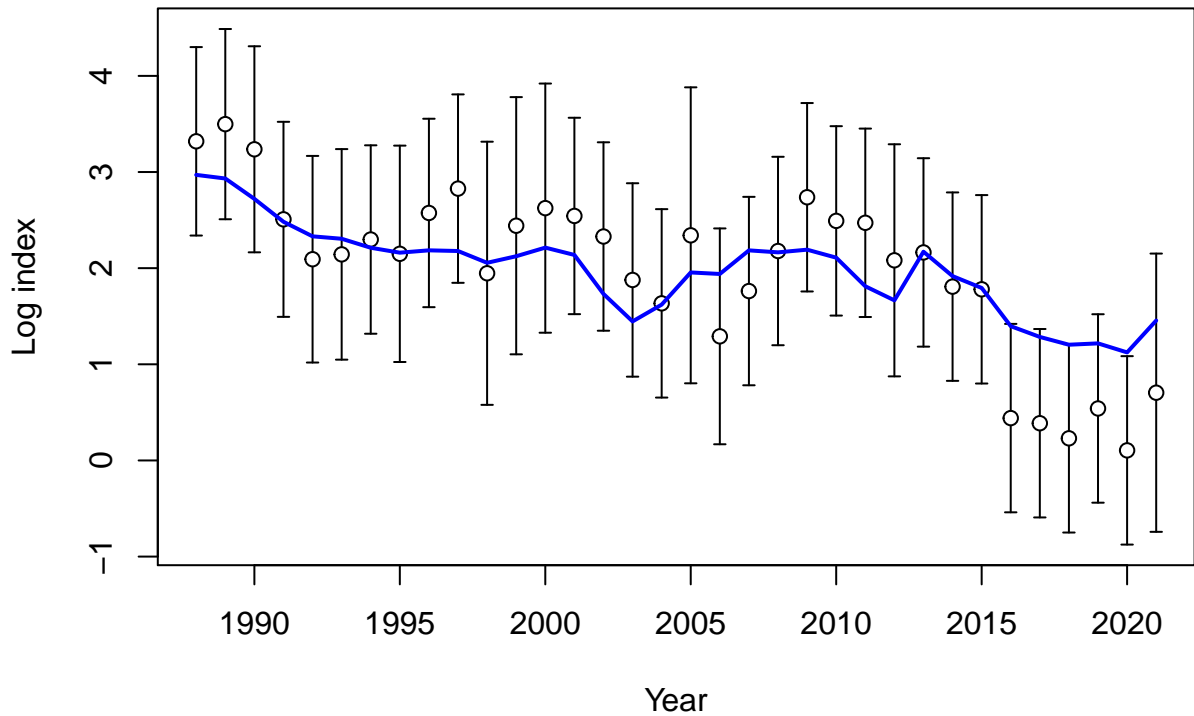




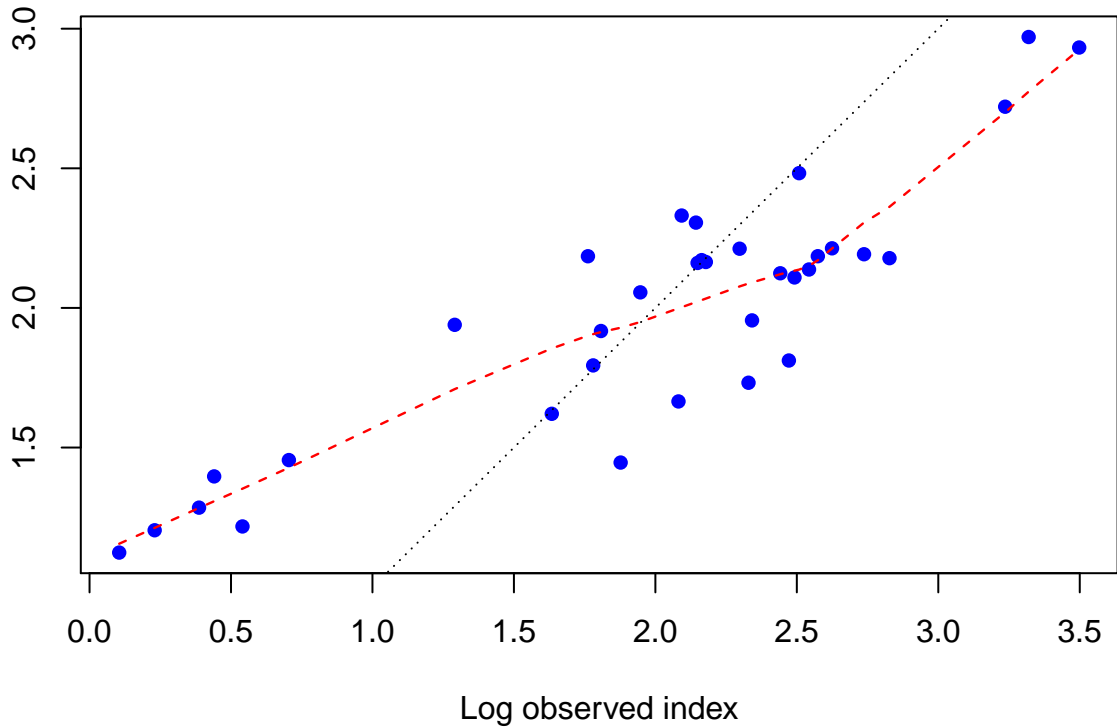


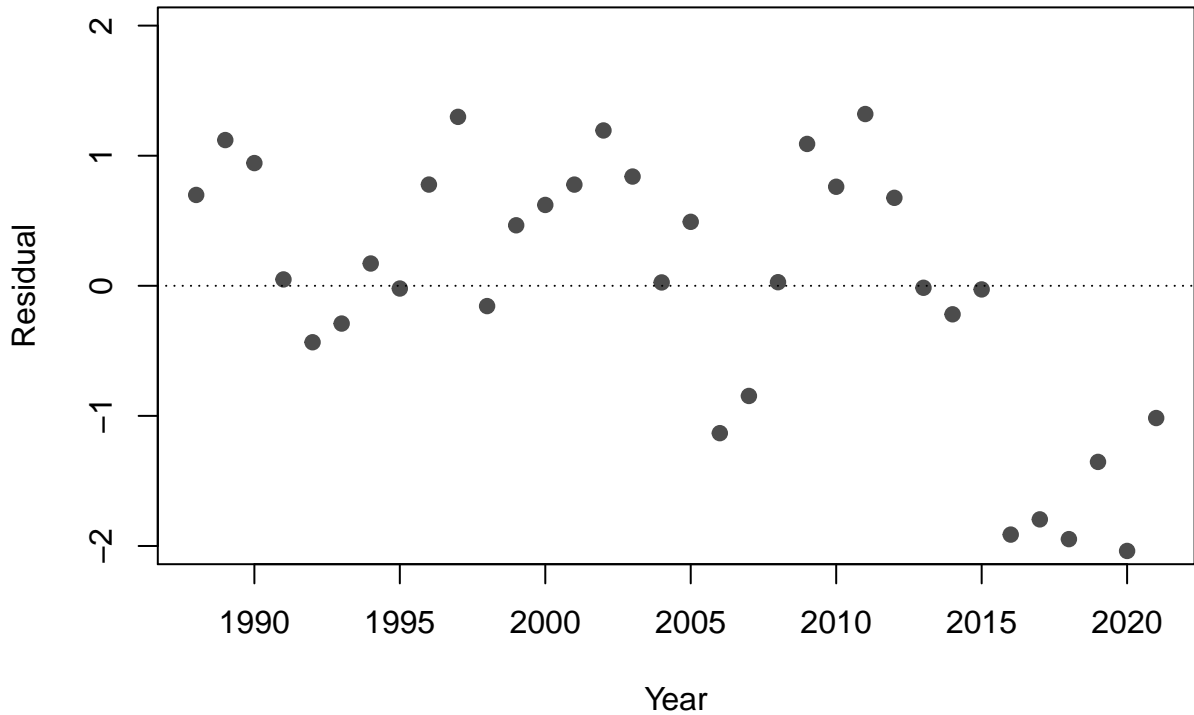
Log index



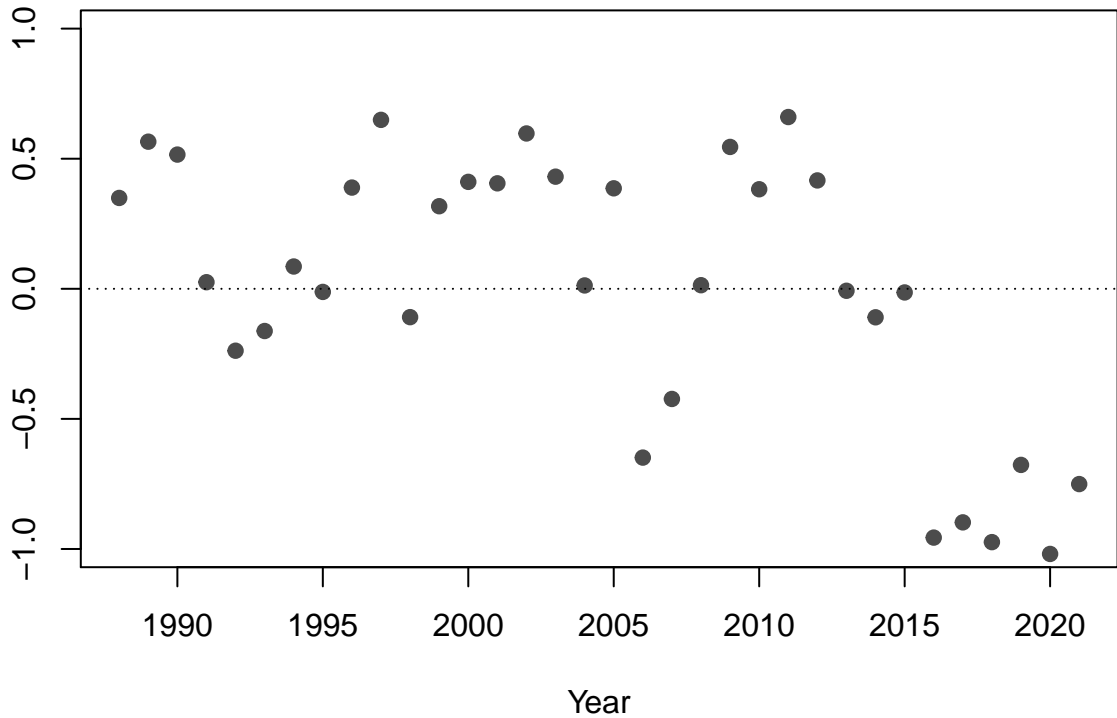


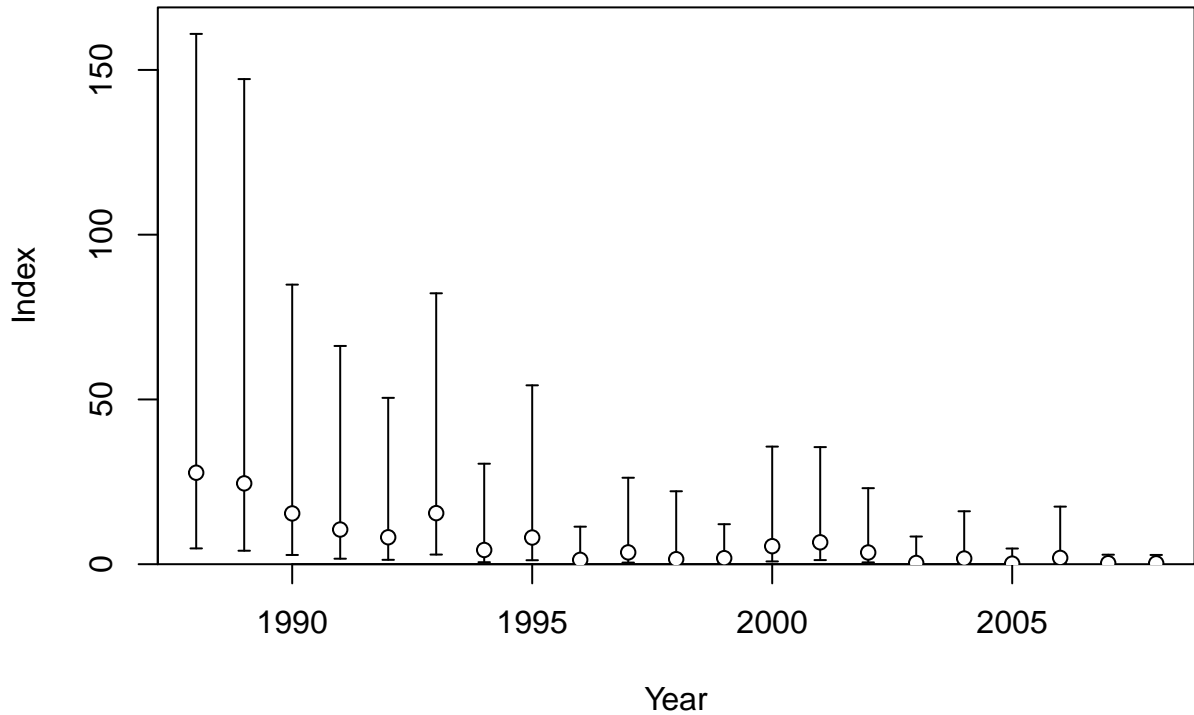
Log expected index

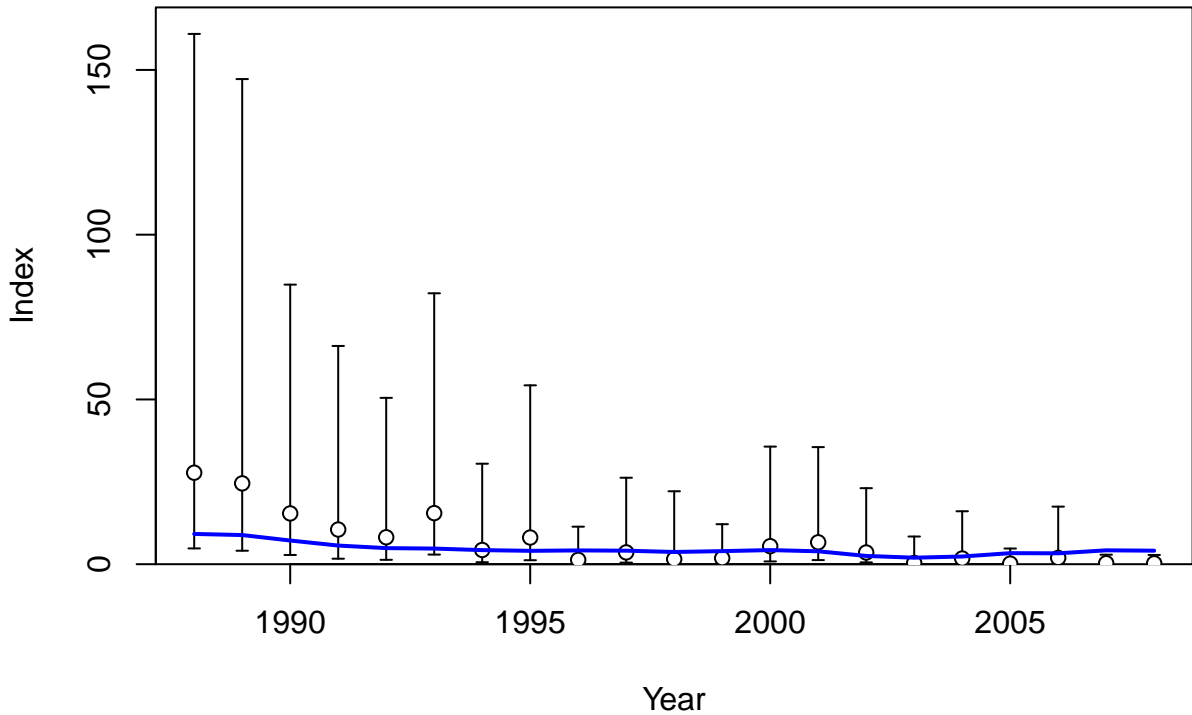




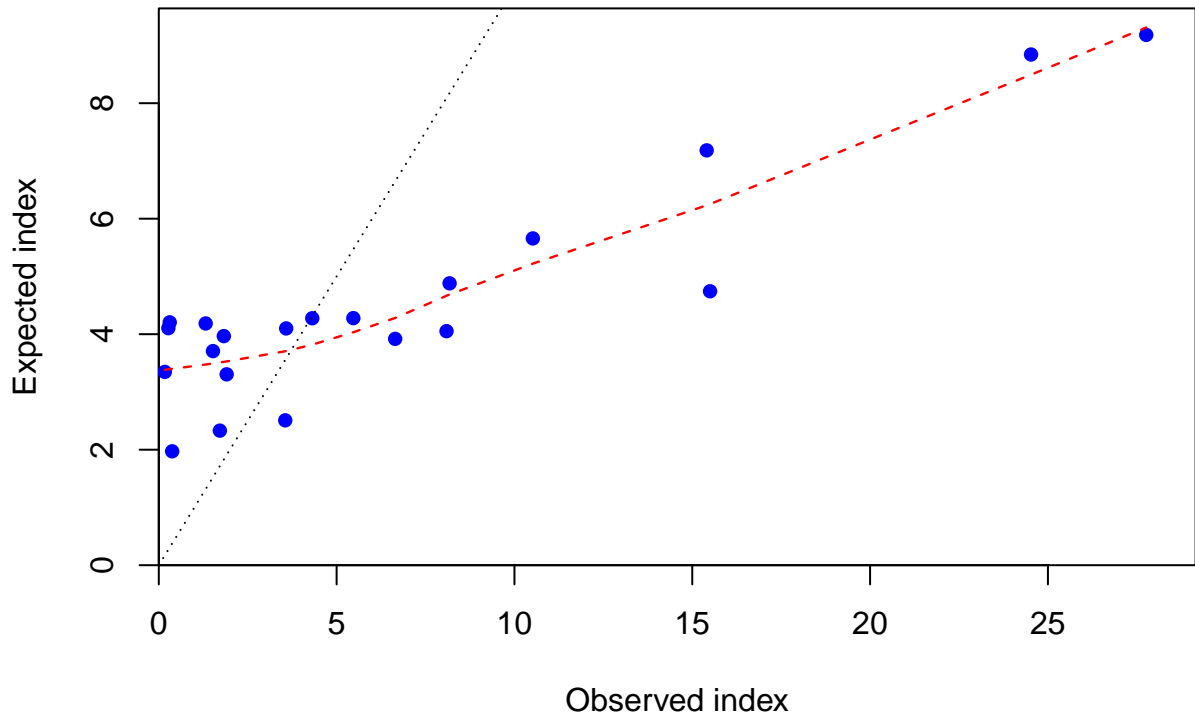
Deviation

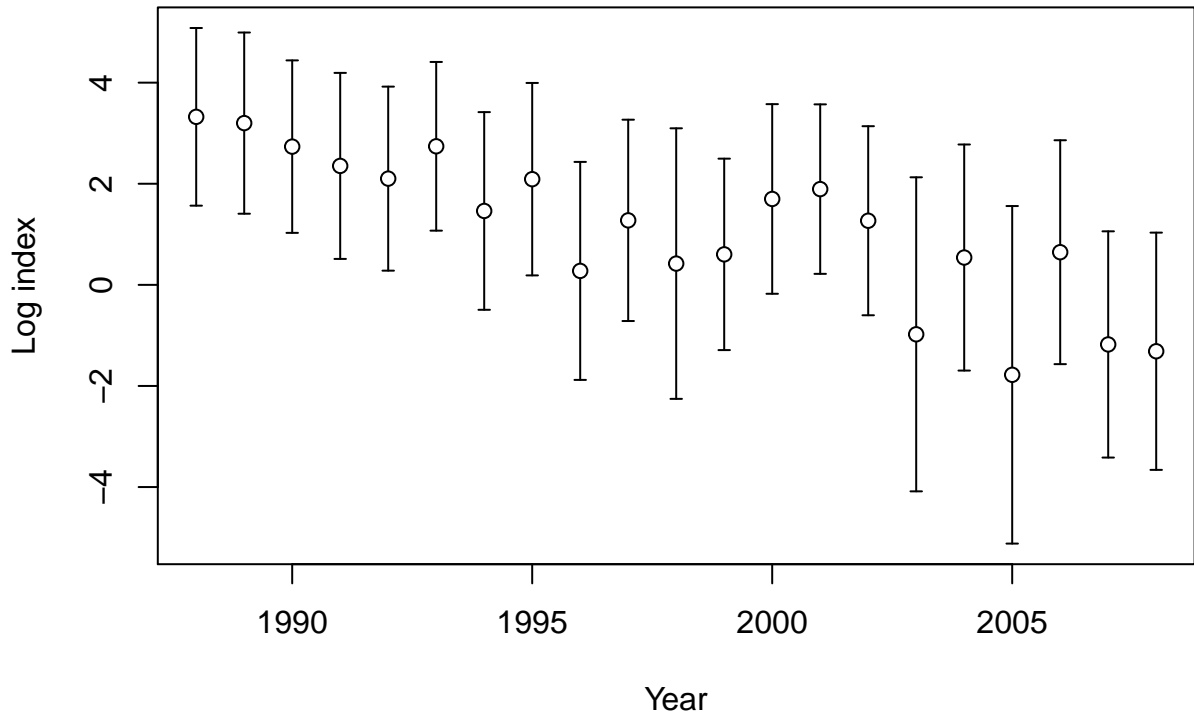


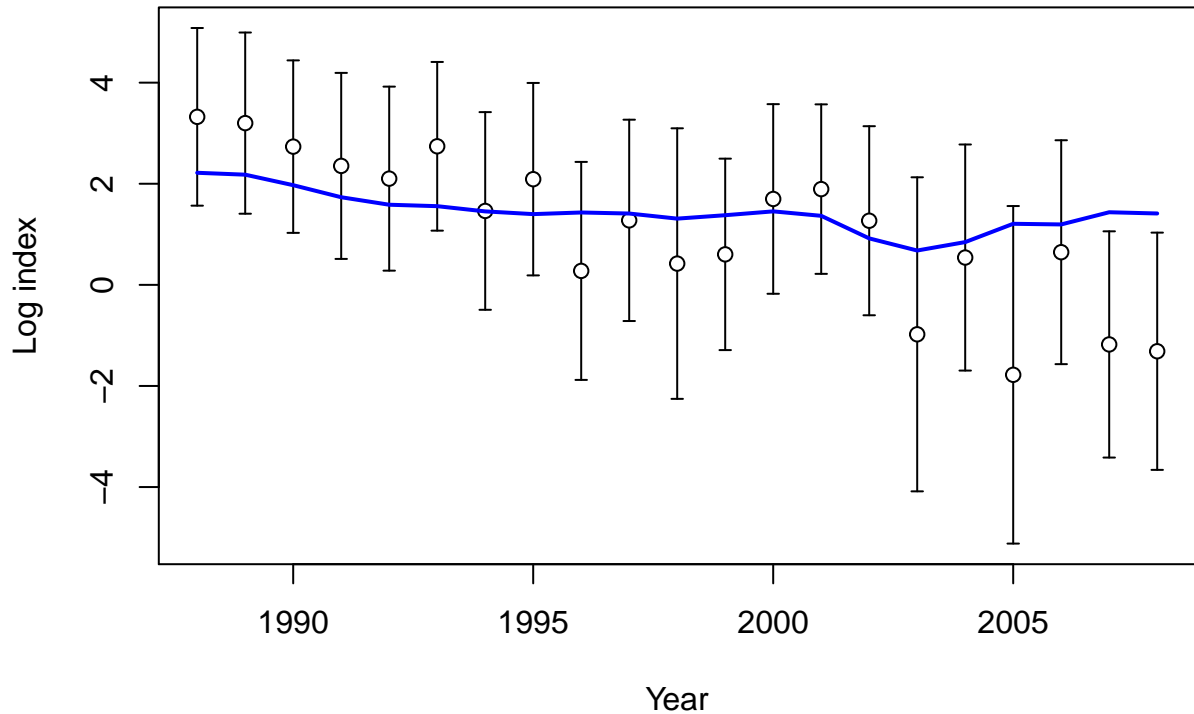


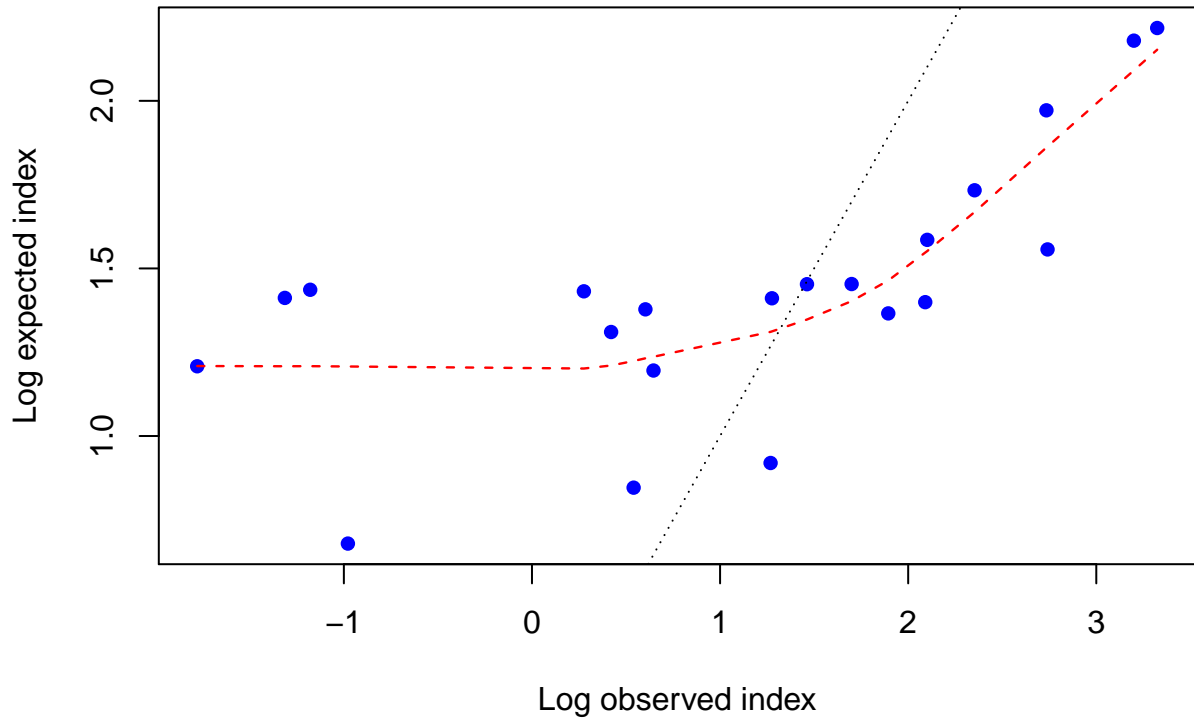


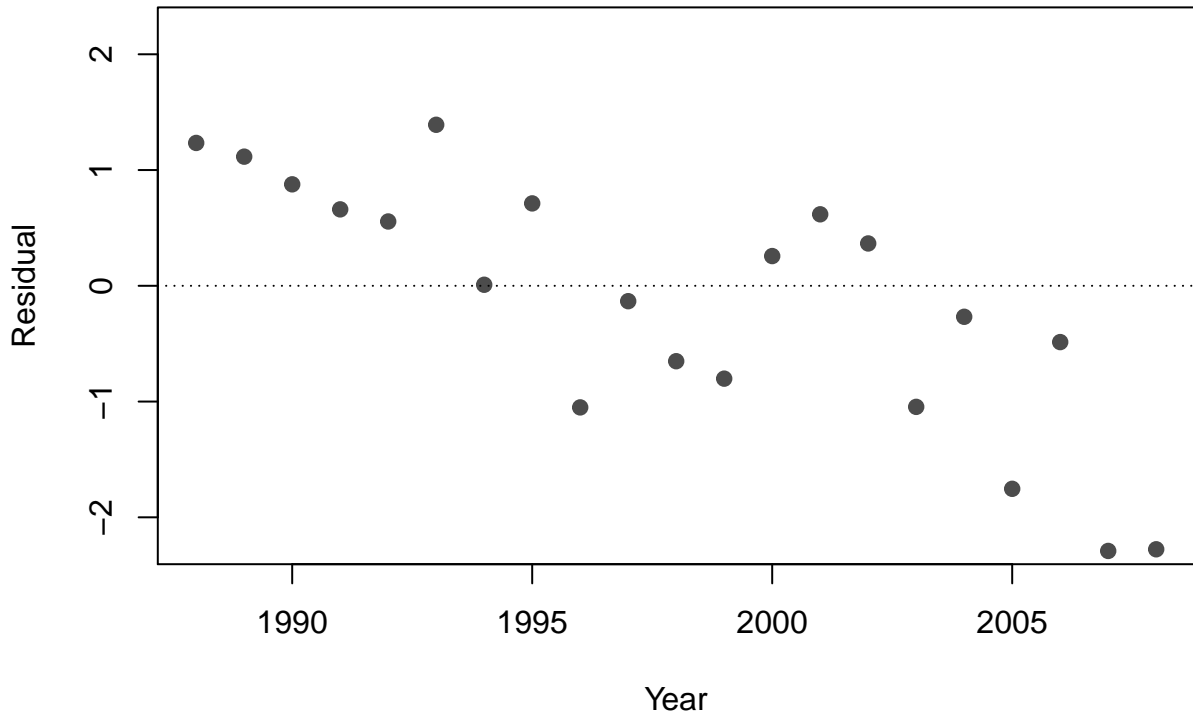


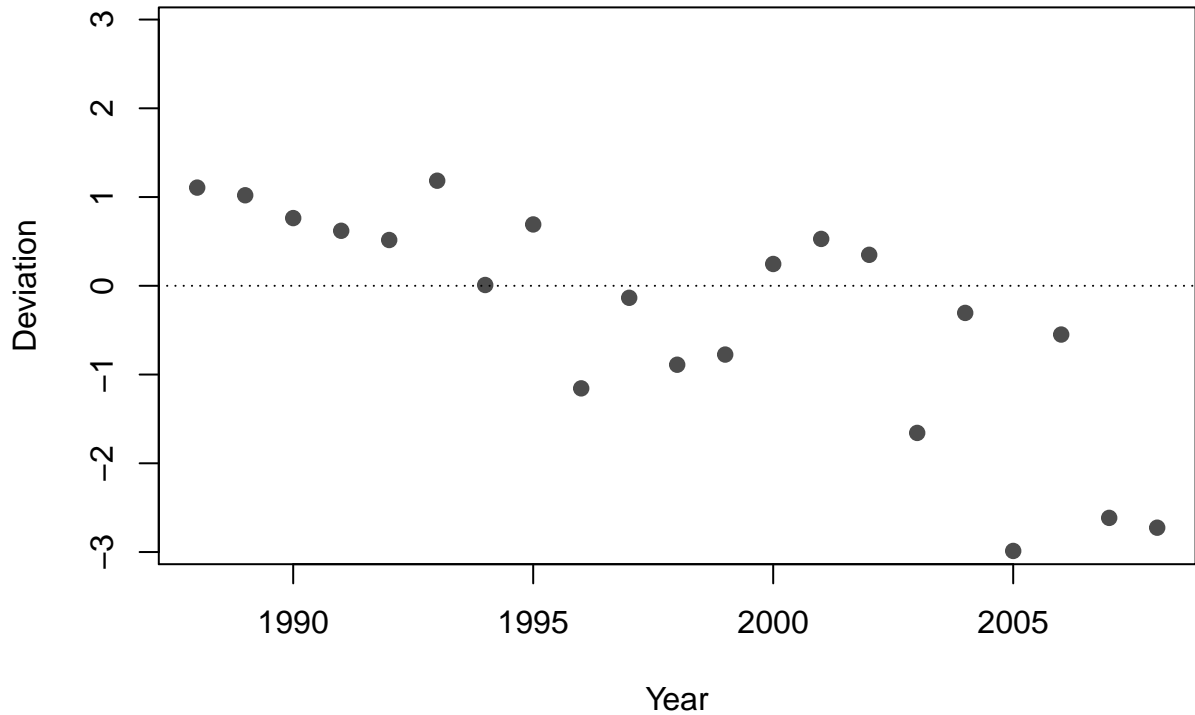






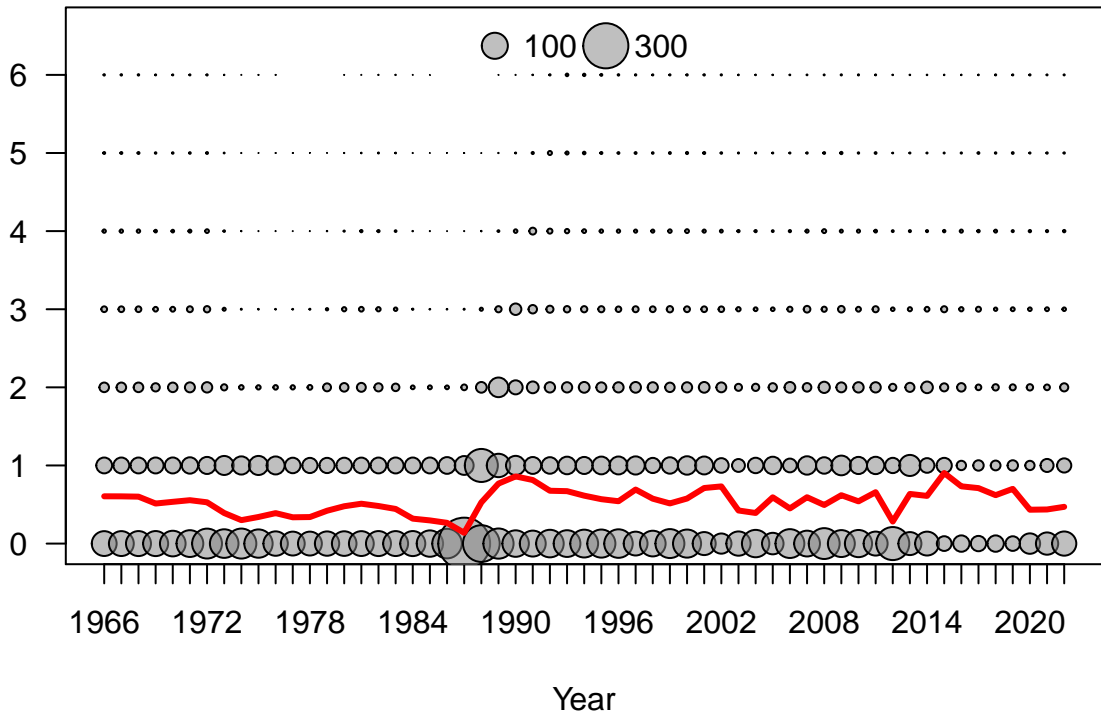






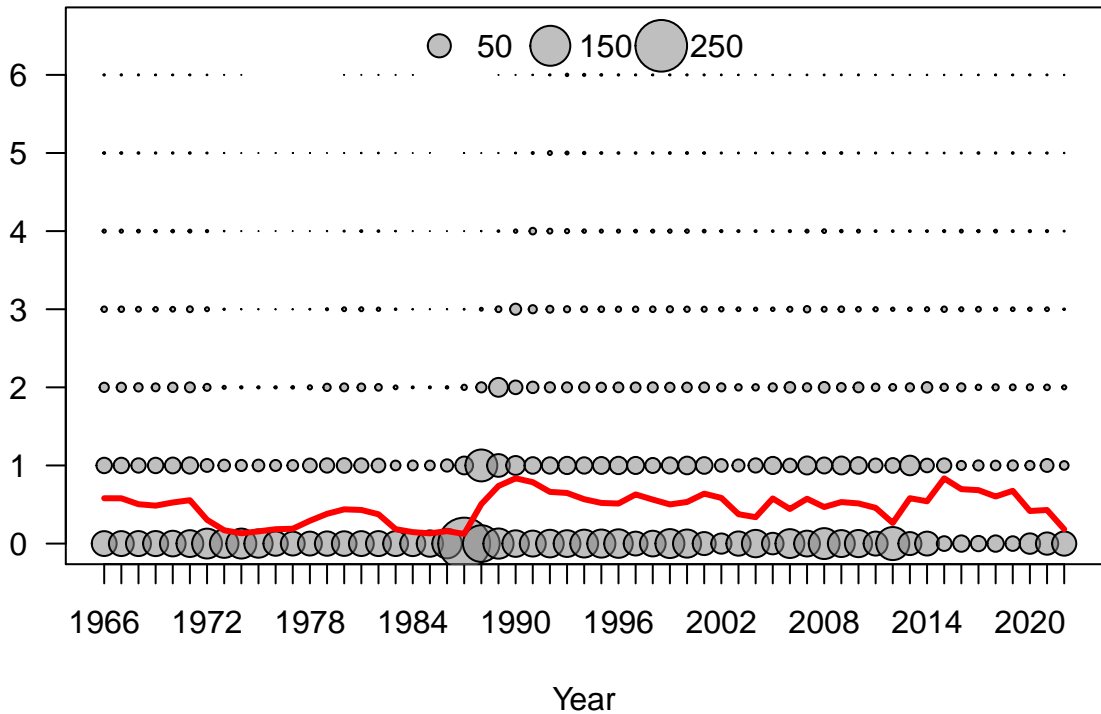


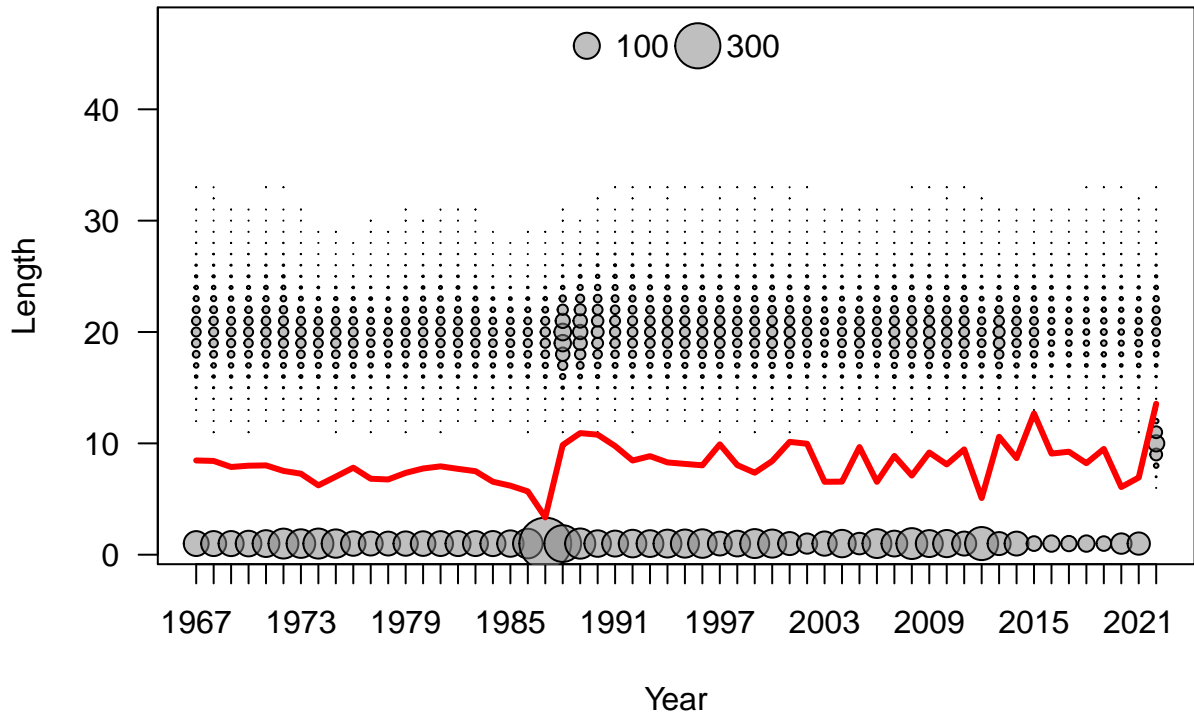
Age

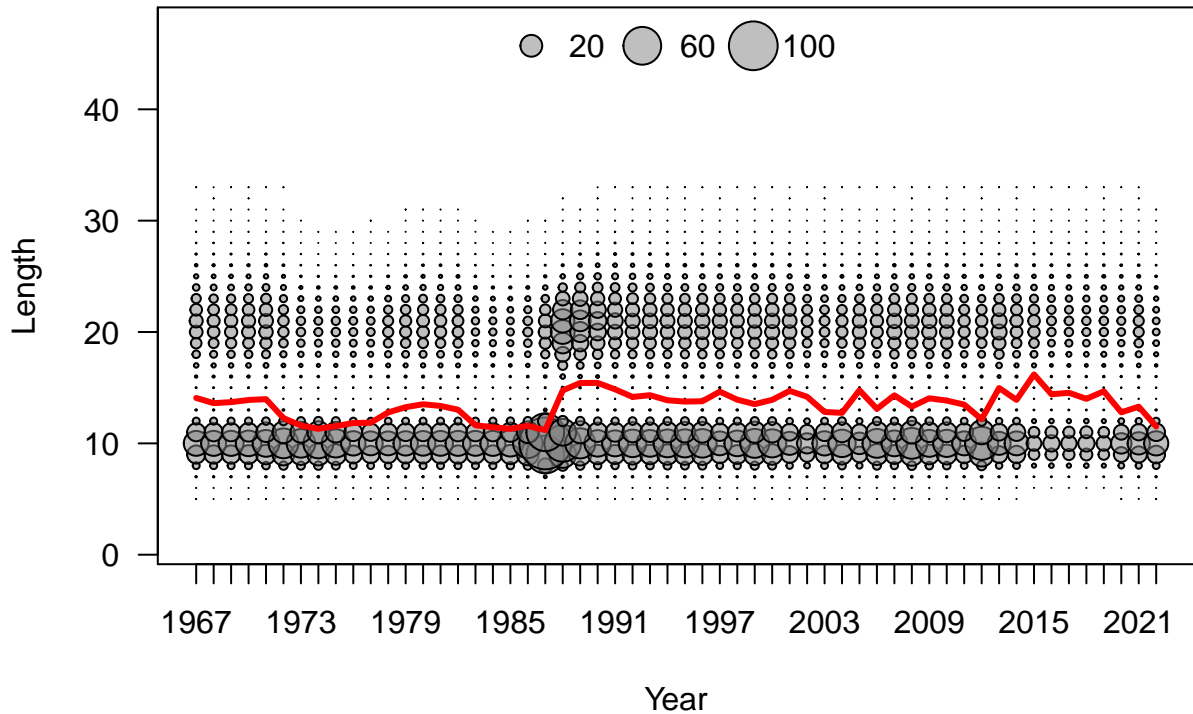


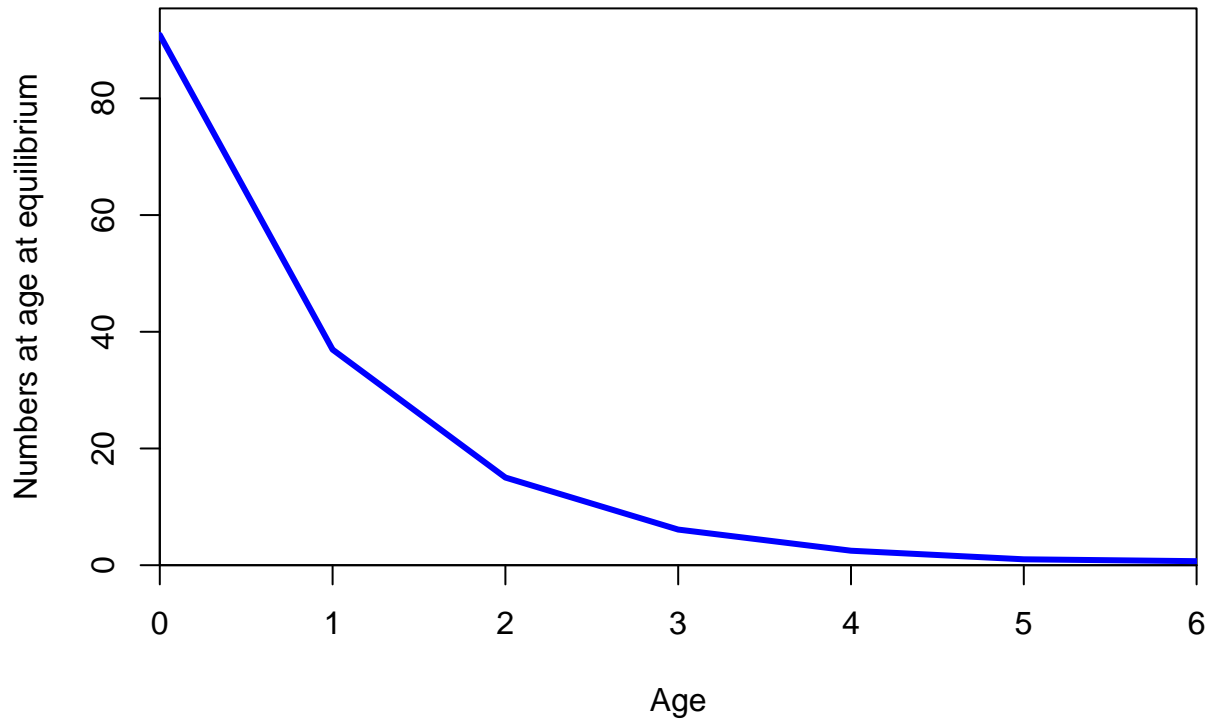


Age



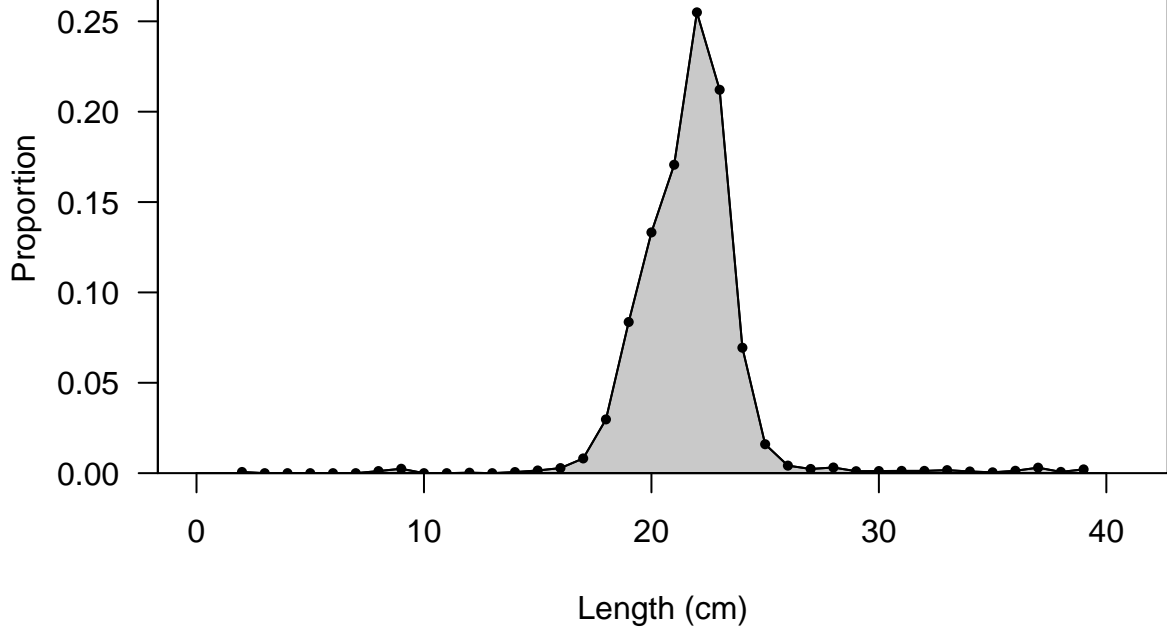


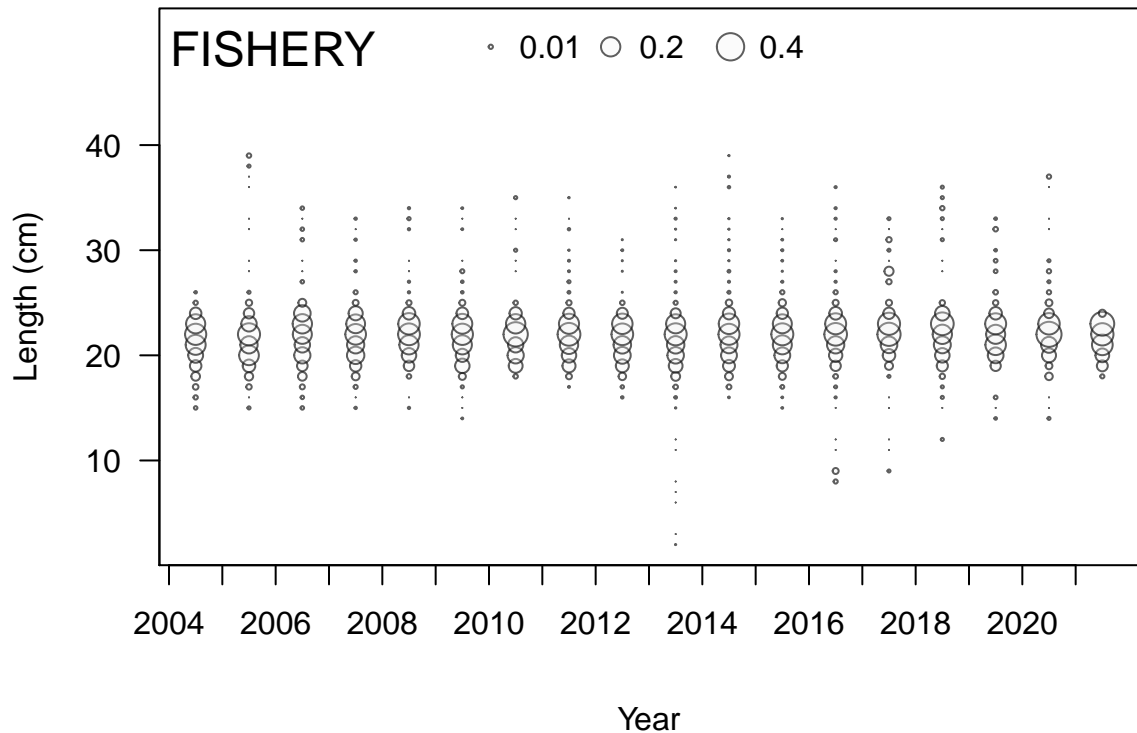


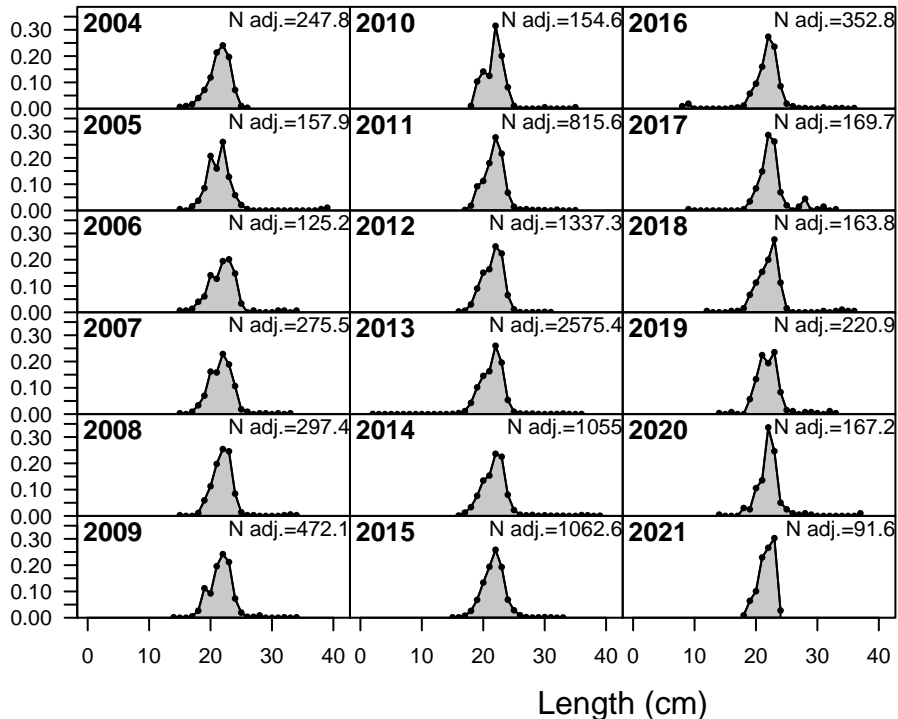


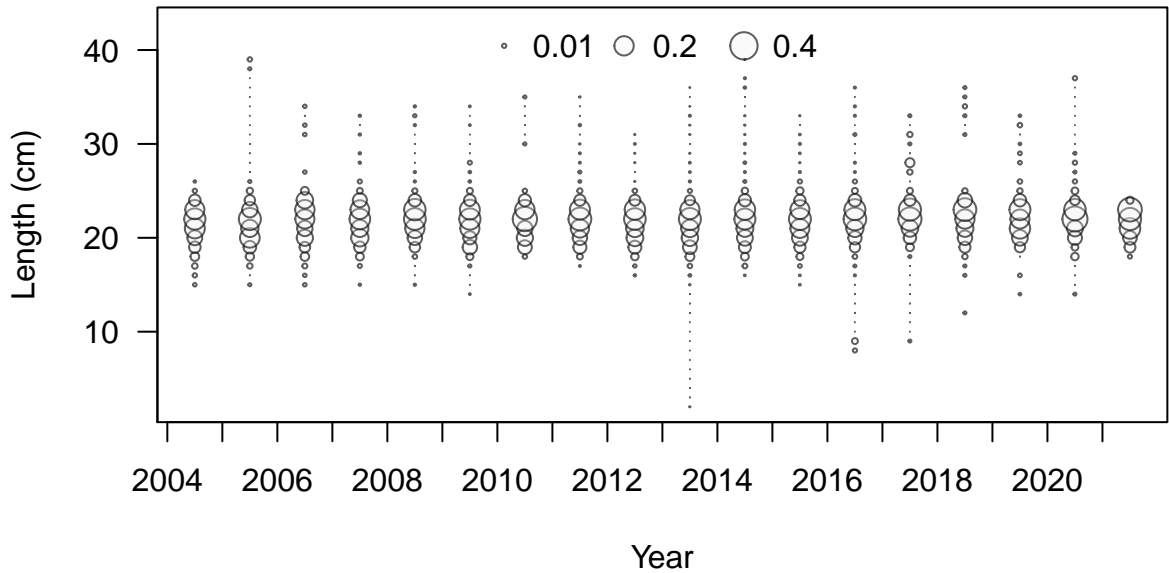
**FISHERY**

Sum of N adj.=9742.3



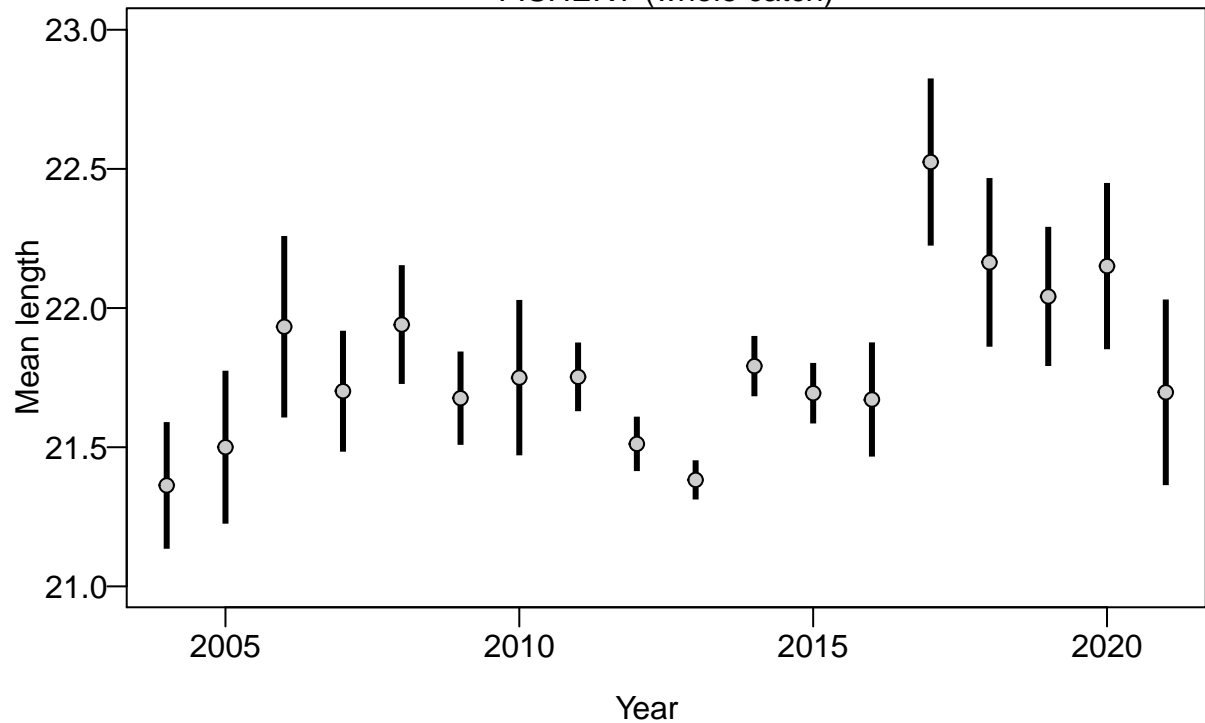


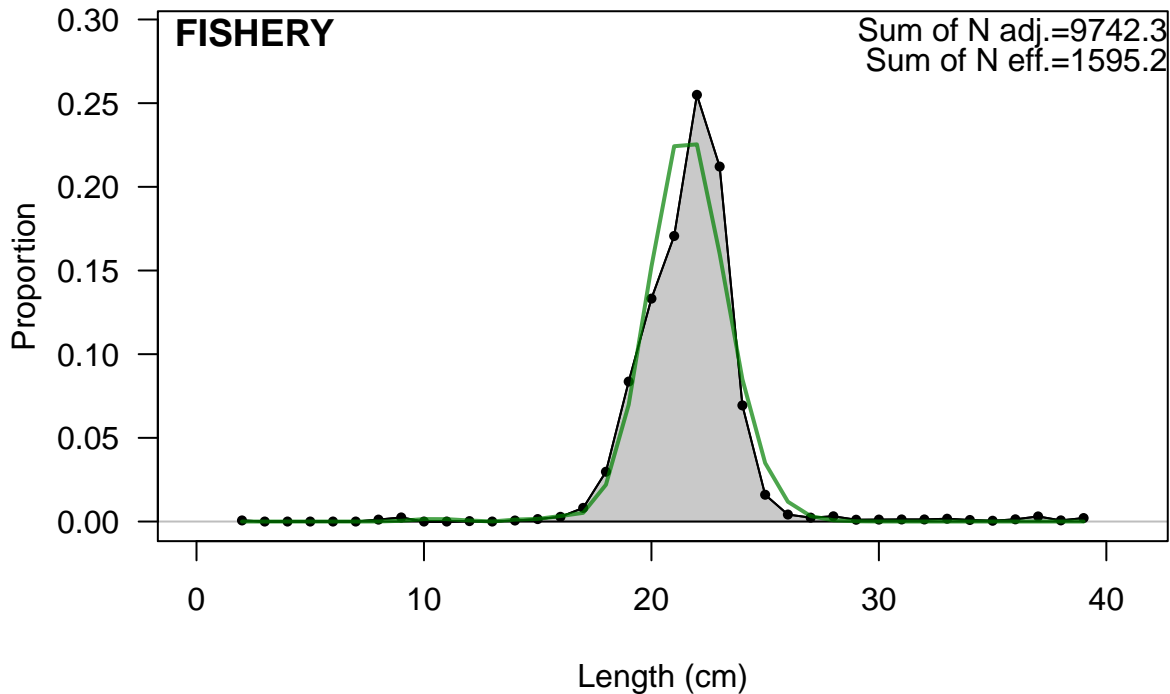


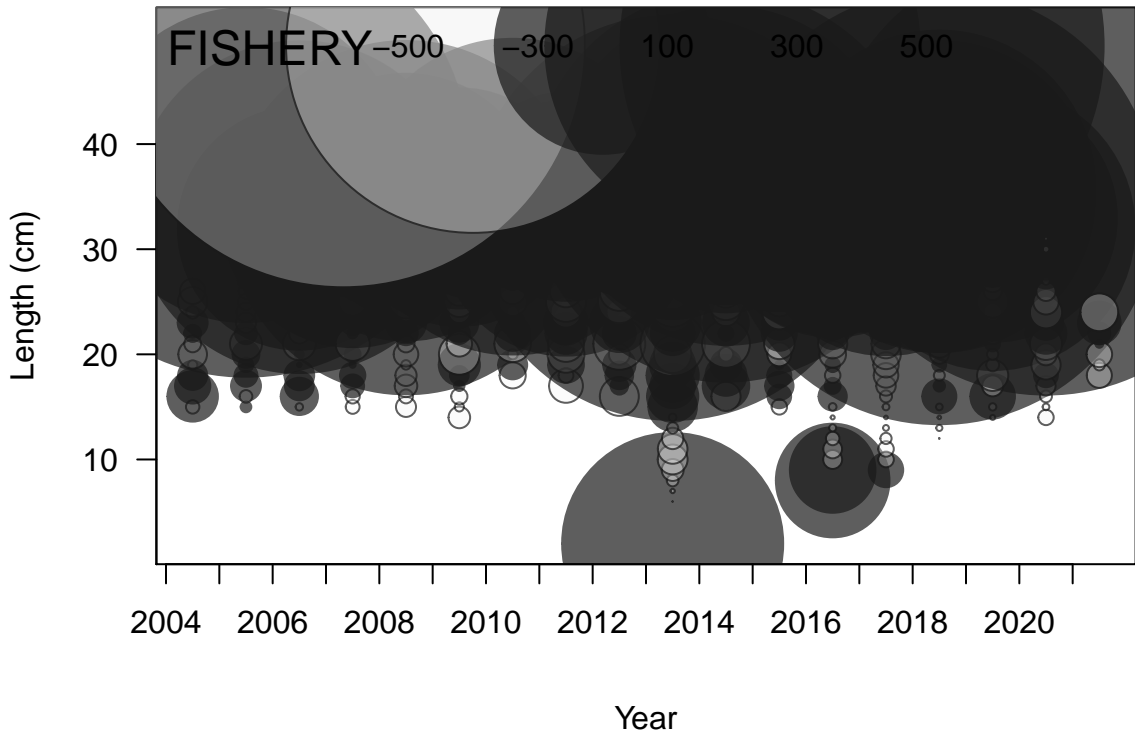


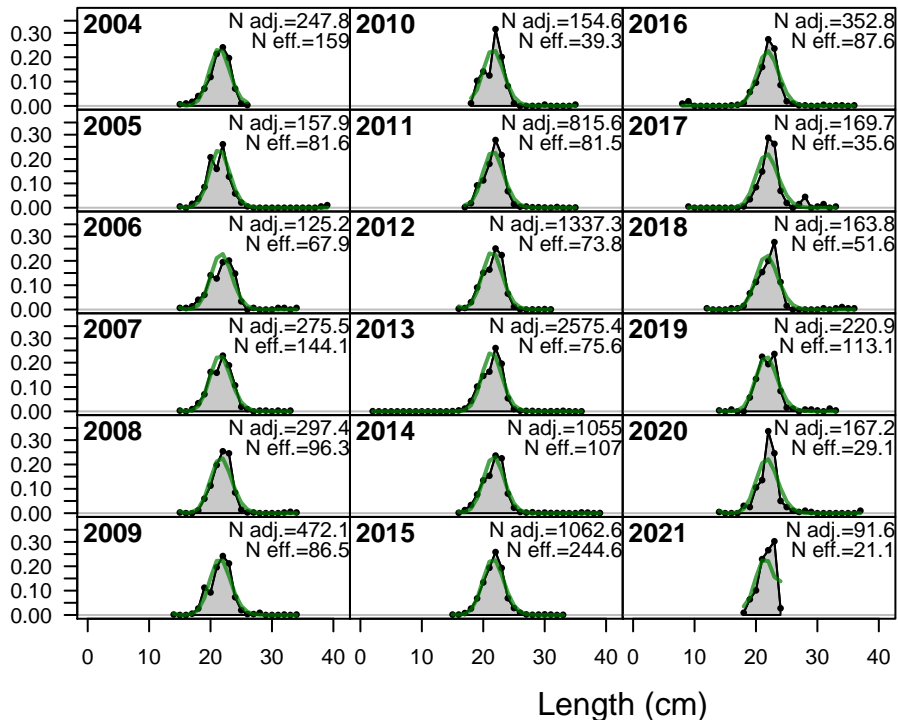


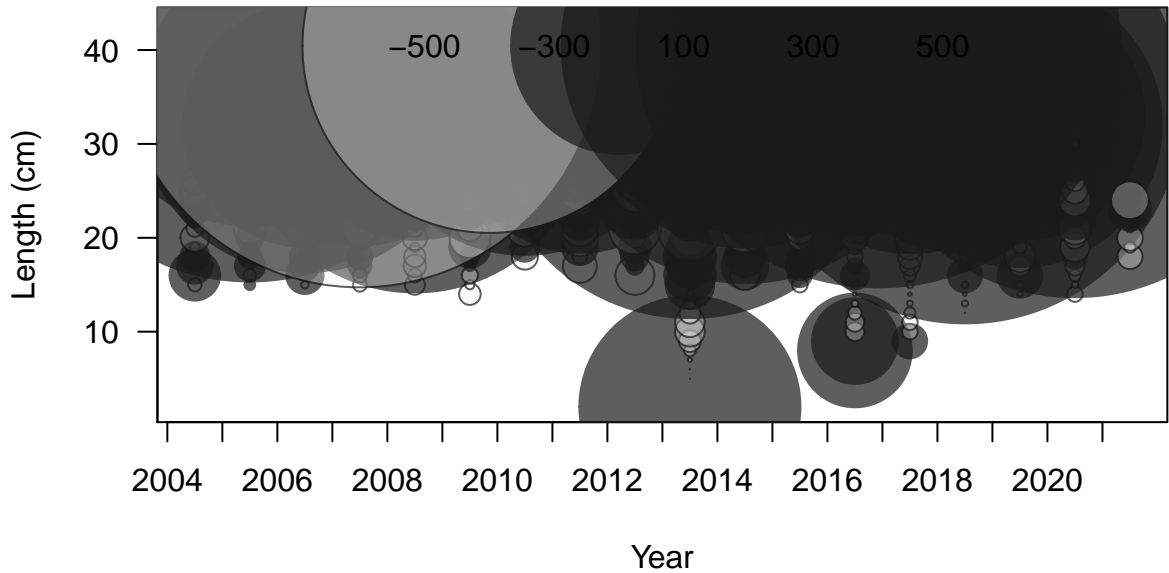
FISHERY (whole catch)



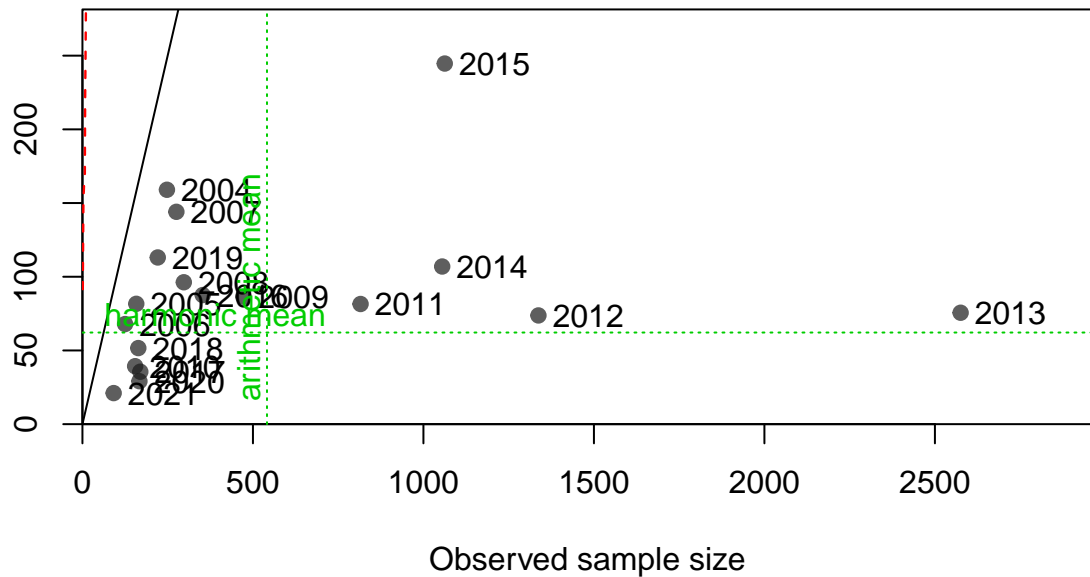




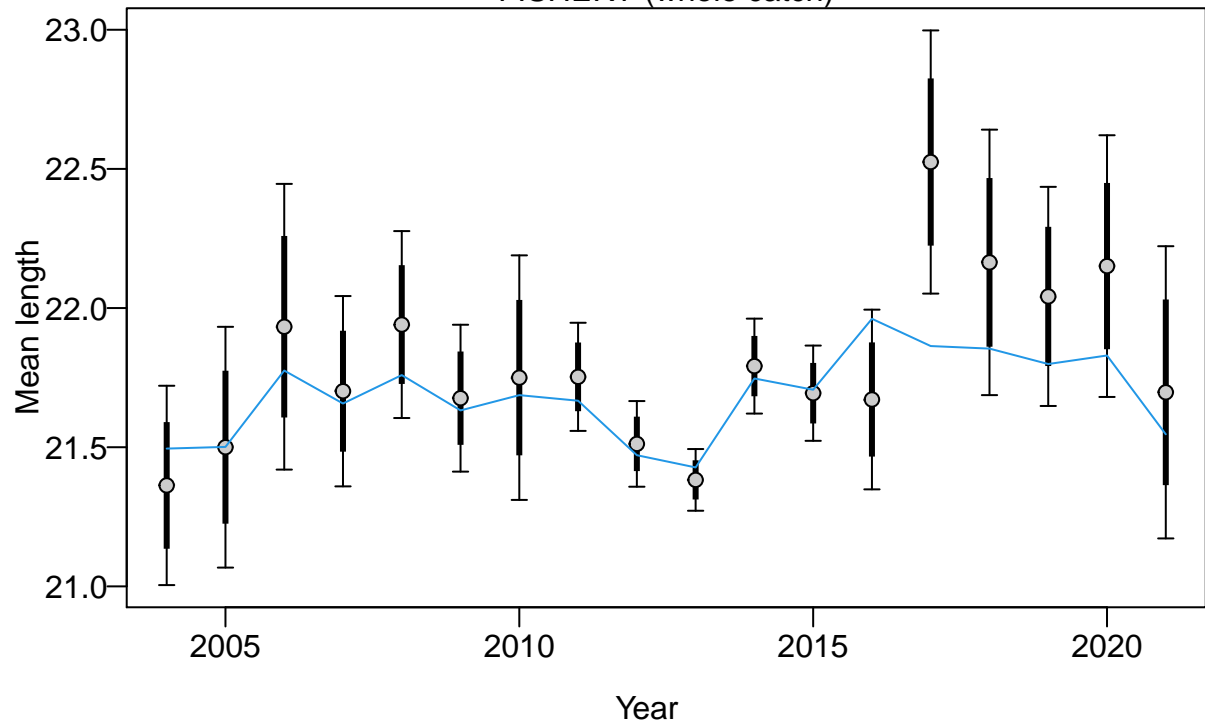


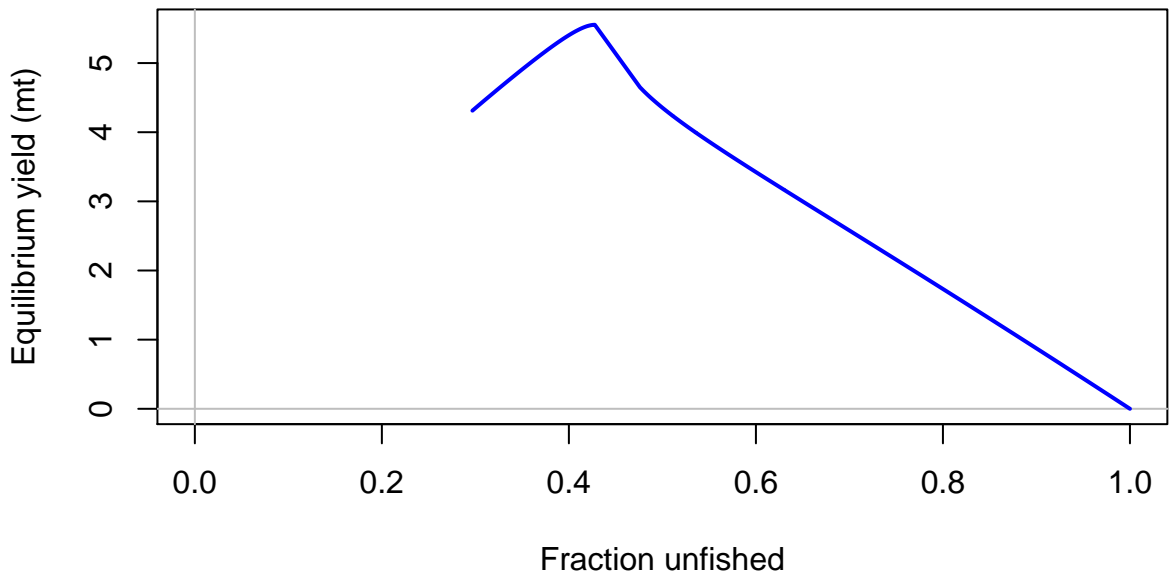


Effective sample size

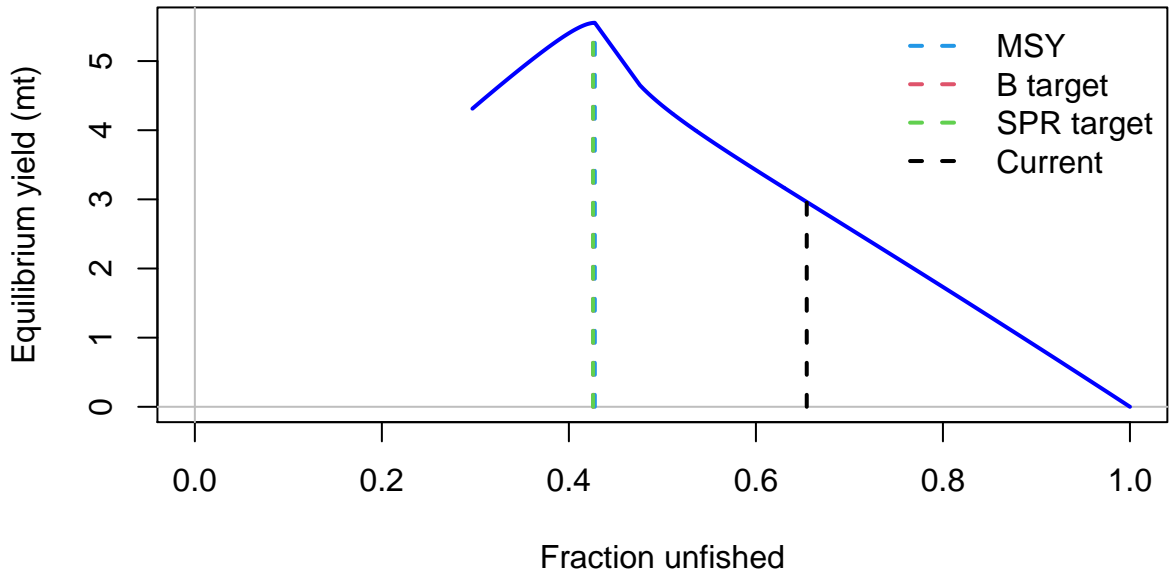


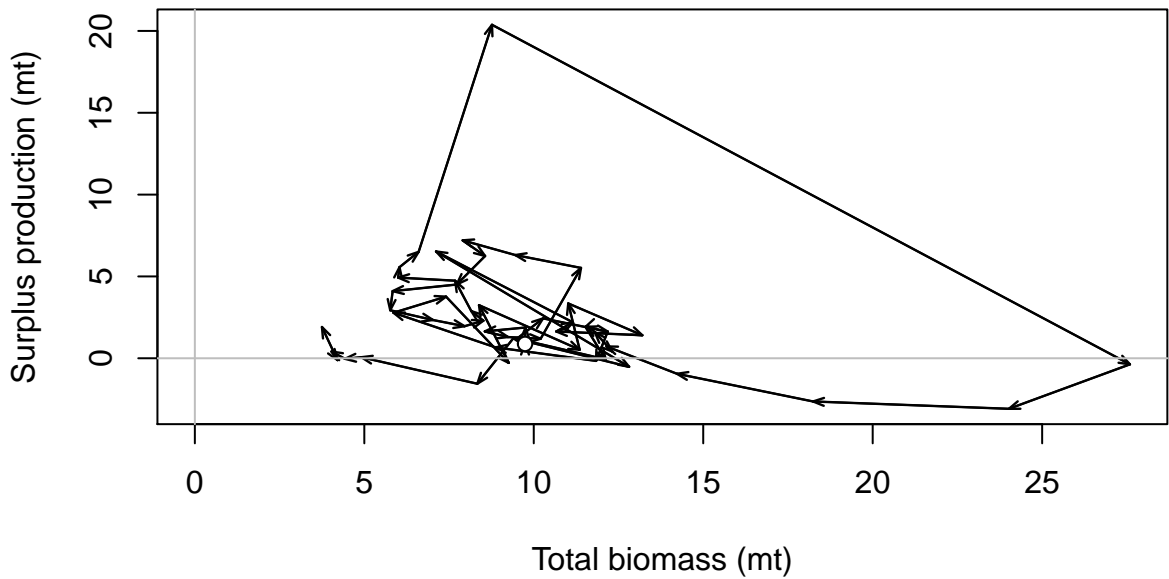
## FISHERY (whole catch)

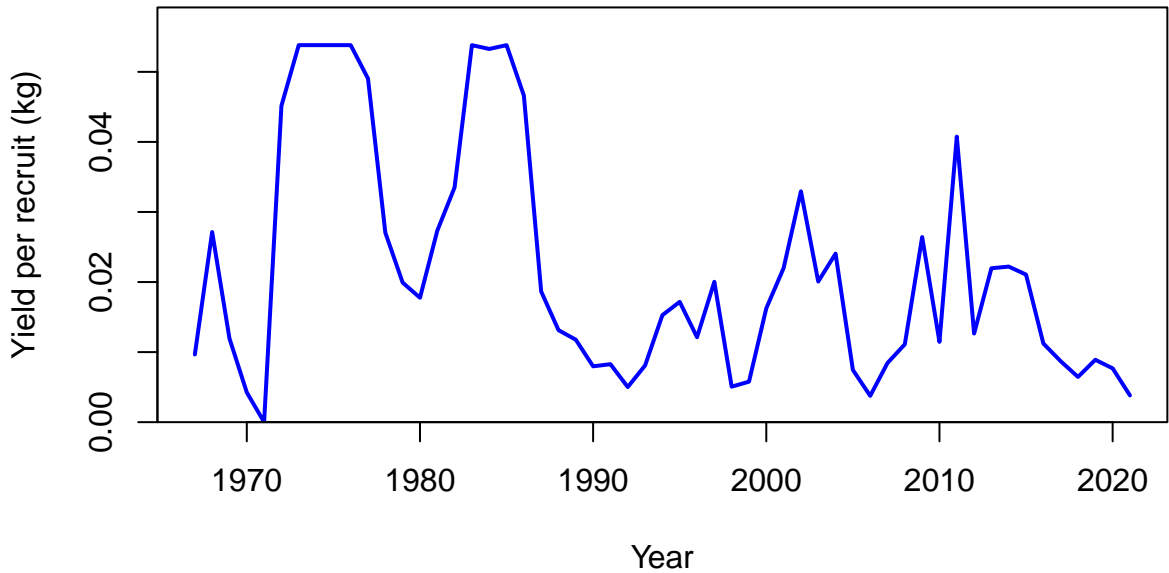




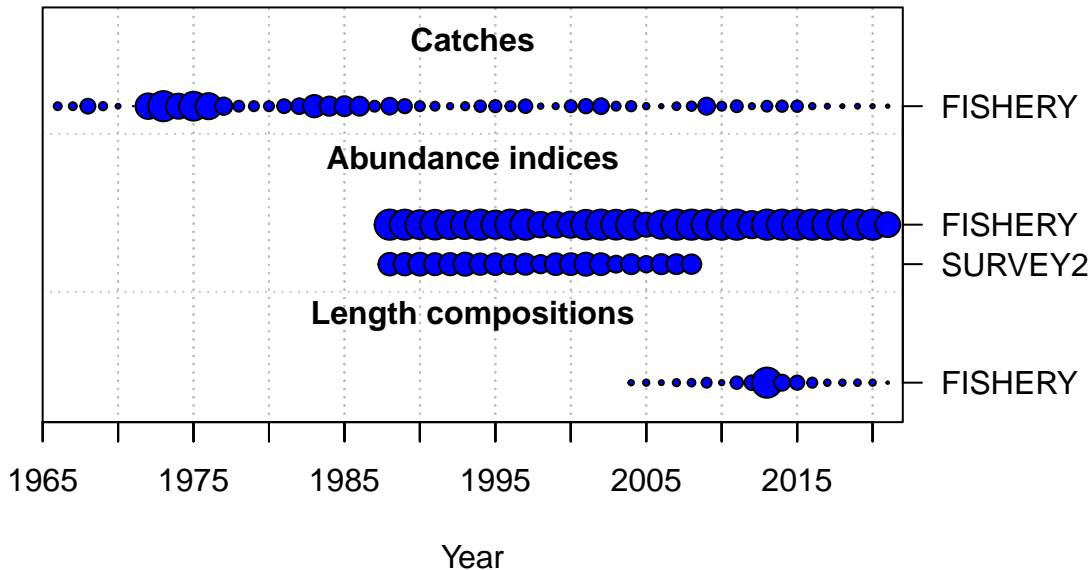






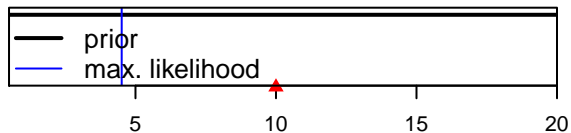




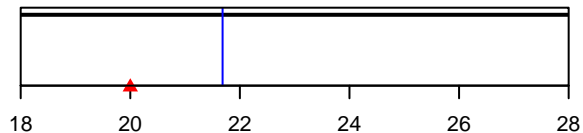


Density

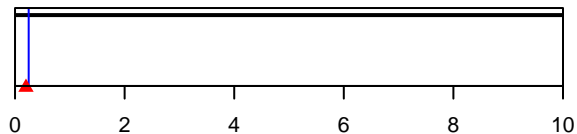
SR\_LN(R0)



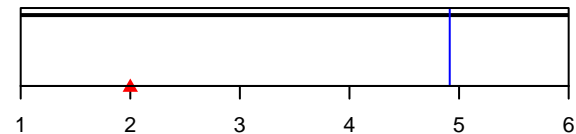
Size\_inflection\_FISHERY(1)



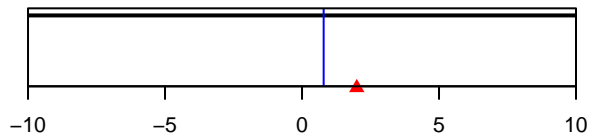
InitF\_seas\_1\_flt\_1FISHERY



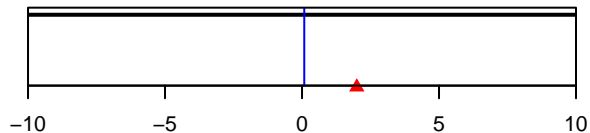
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value