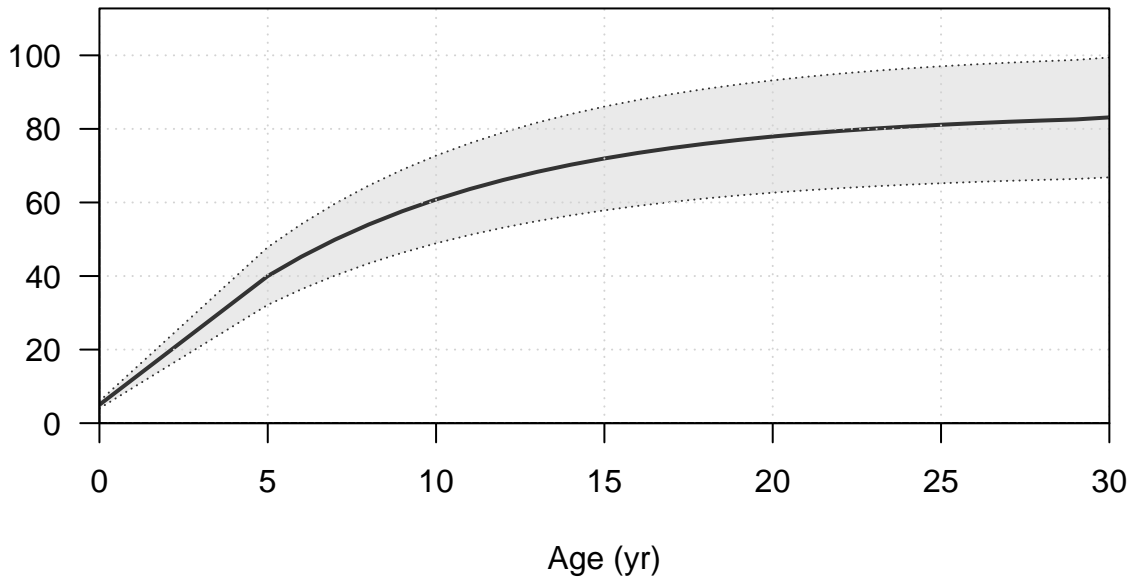
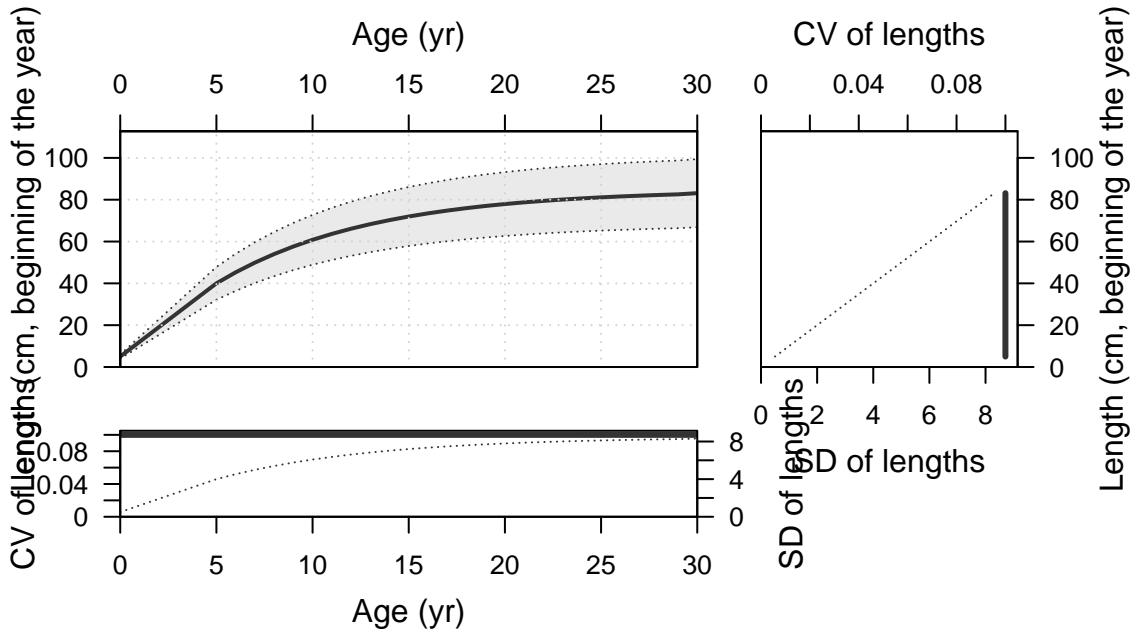
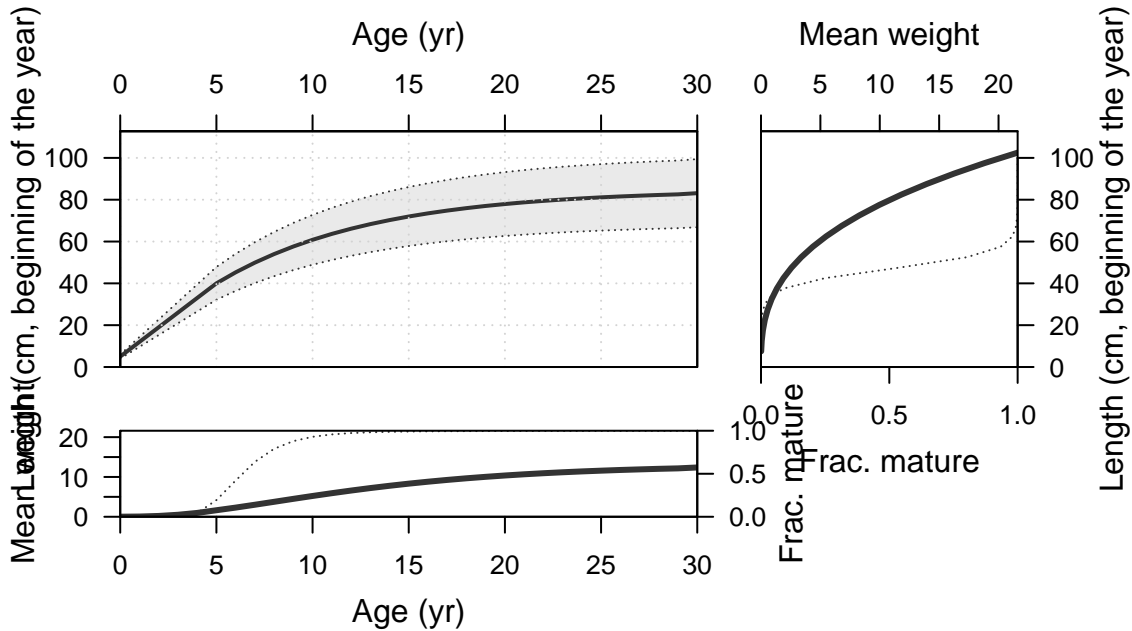


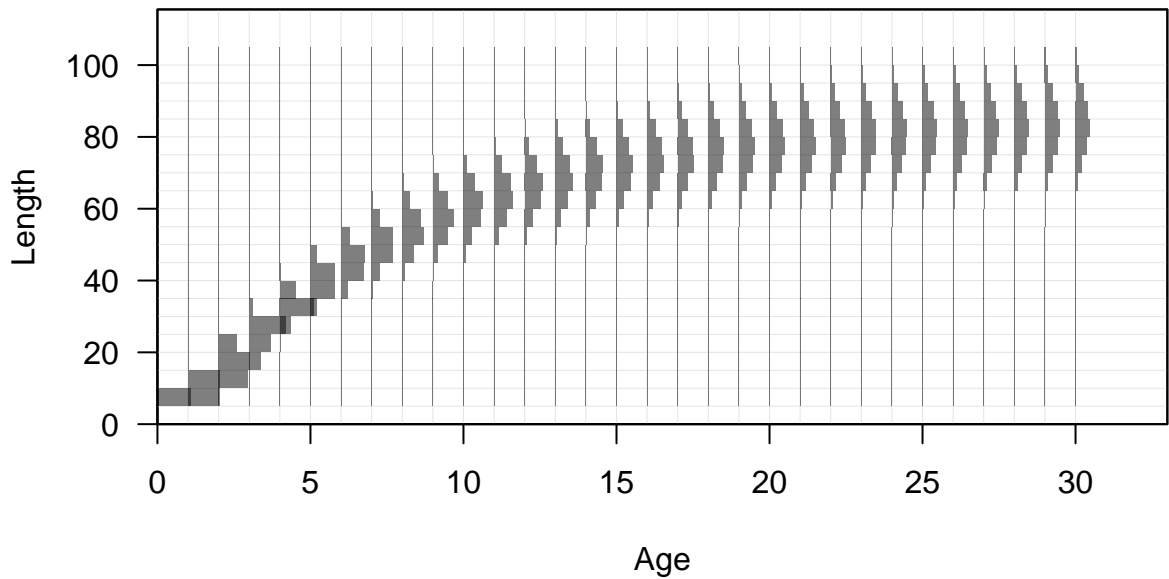
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Thu Jun 16 10:04:58 2022  
Data\_File: data.ss  
Control\_File: control.ss

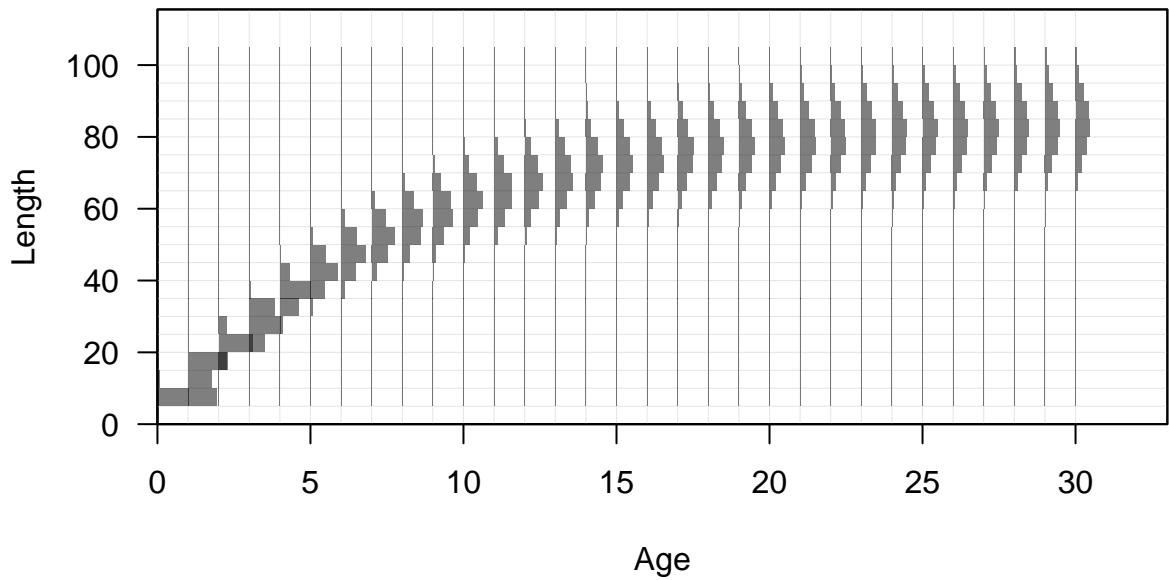
Length (cm, beginning of the year)

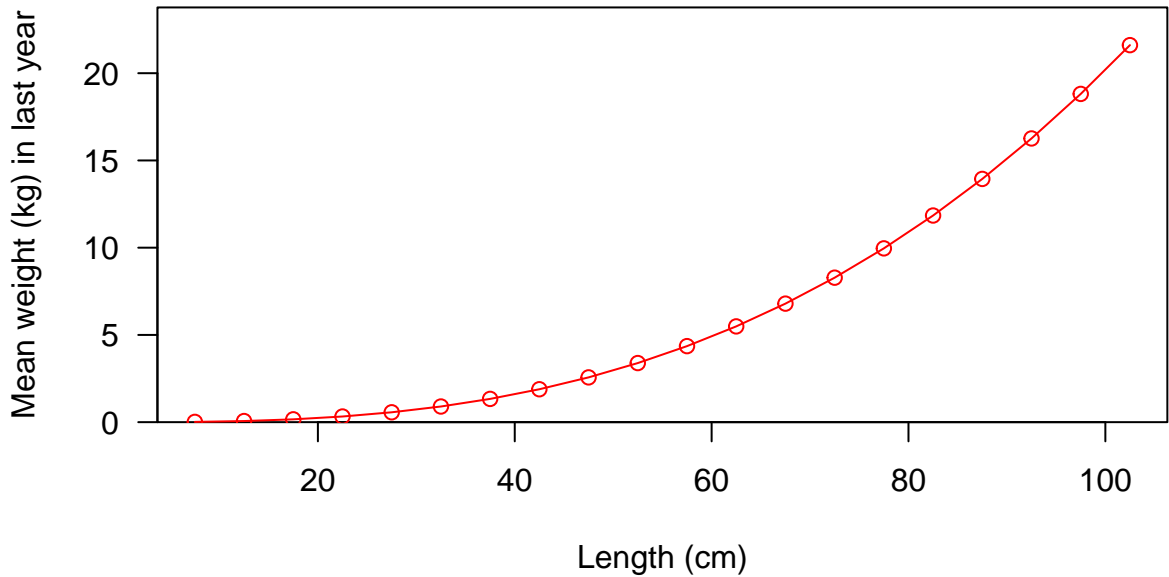


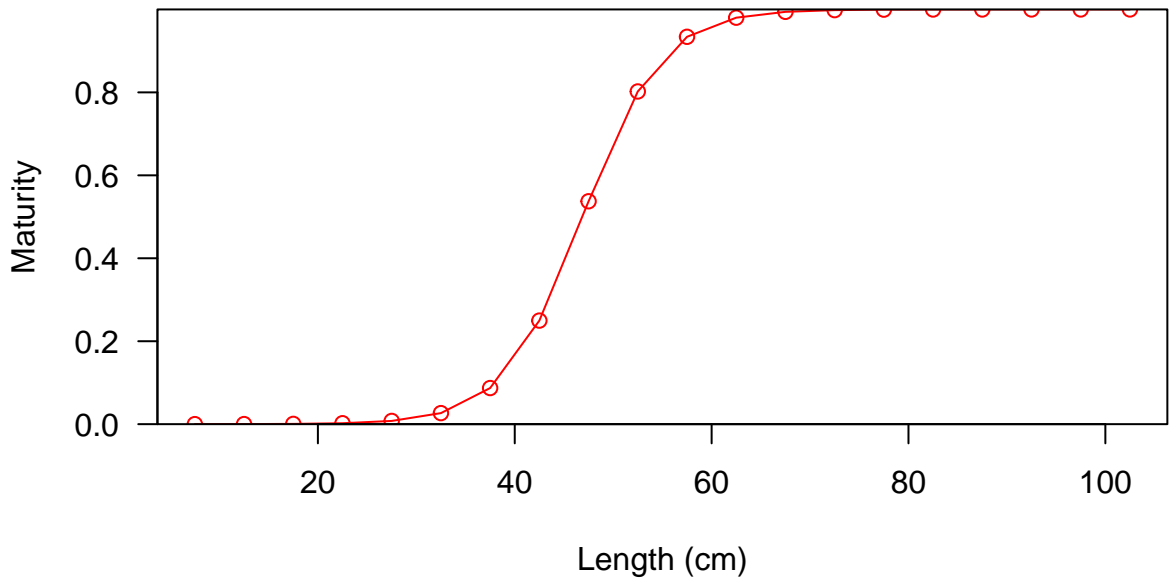




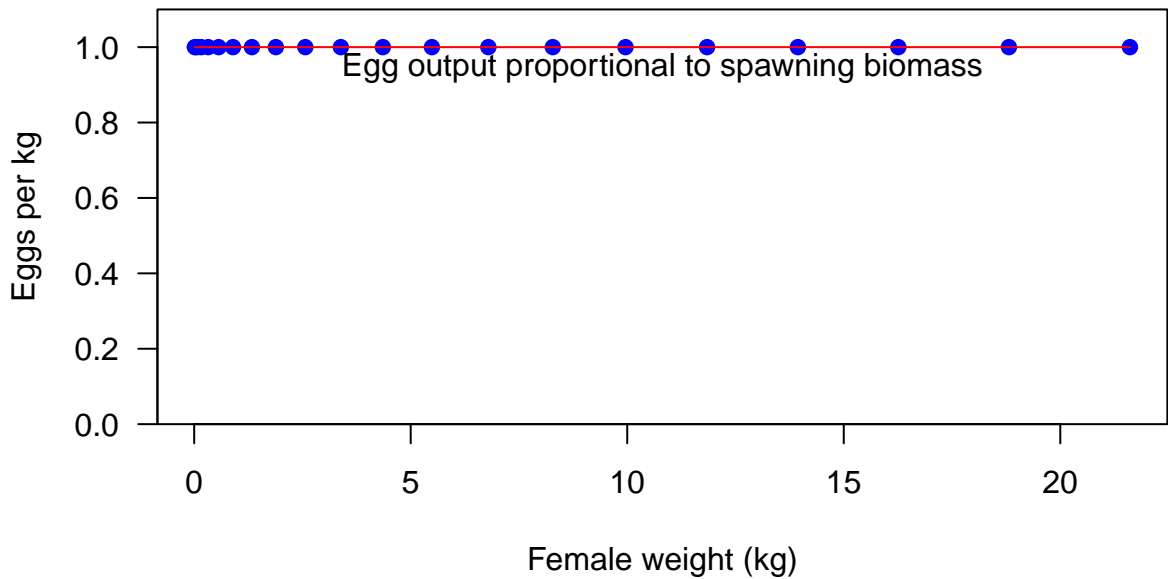




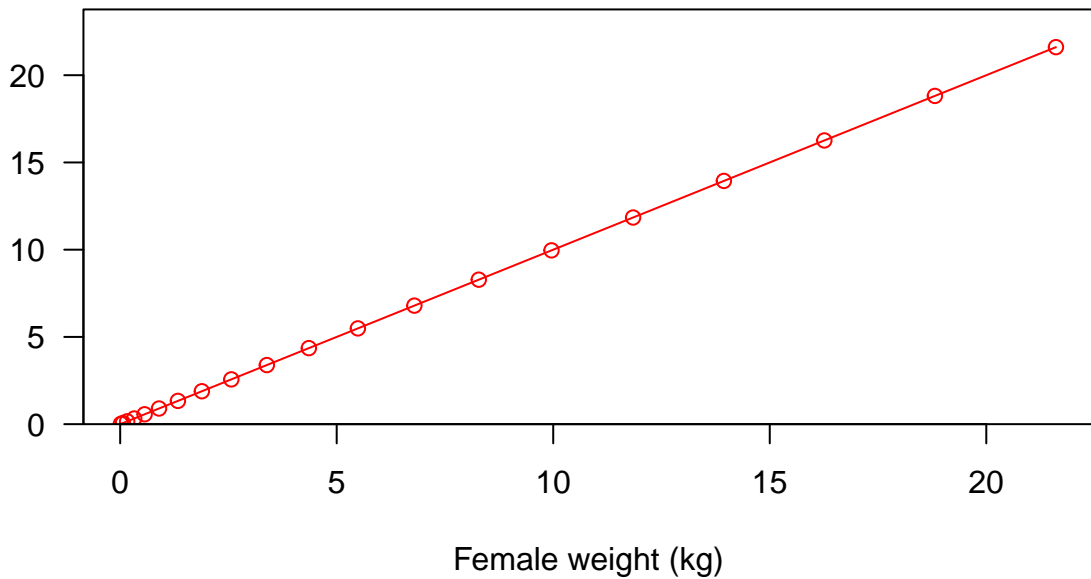




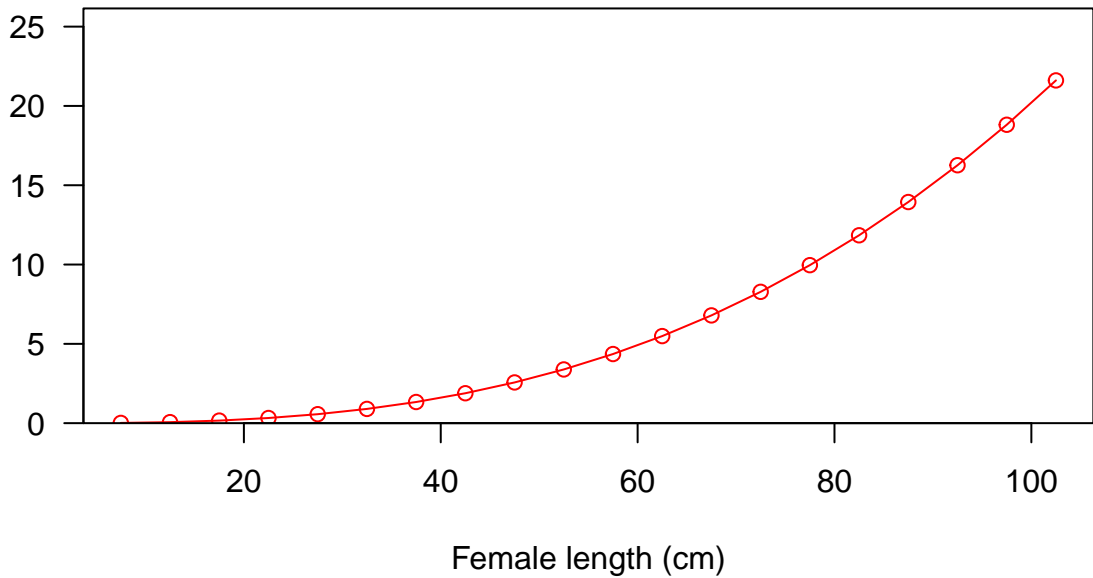




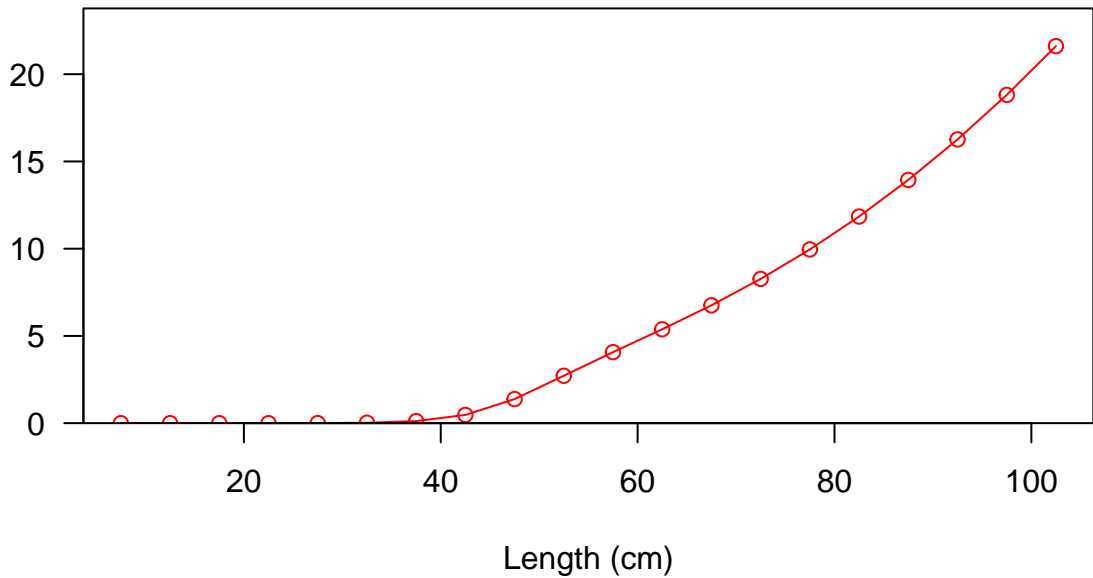
Fecundity



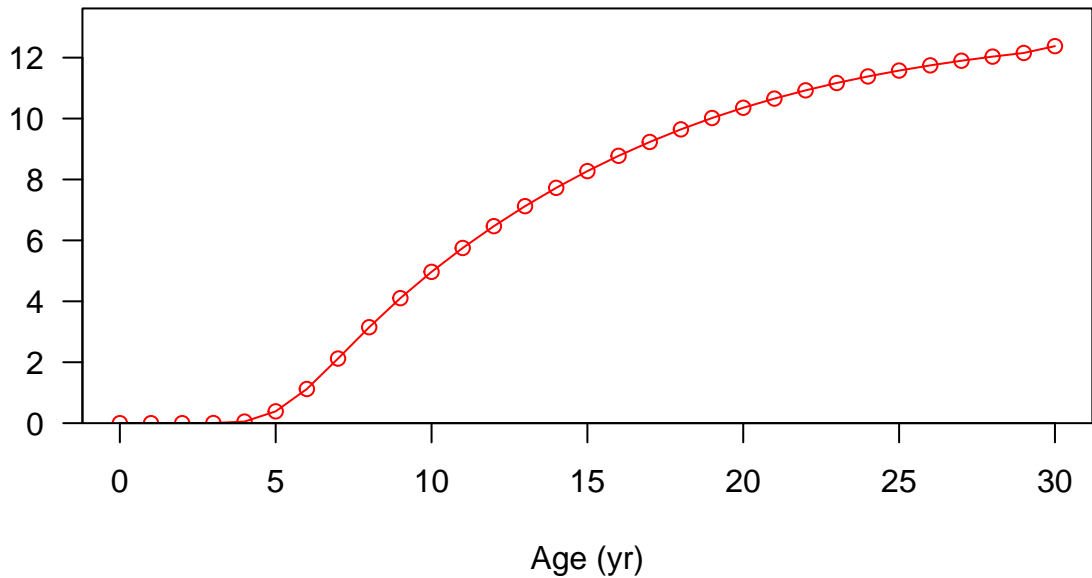
Fecundity



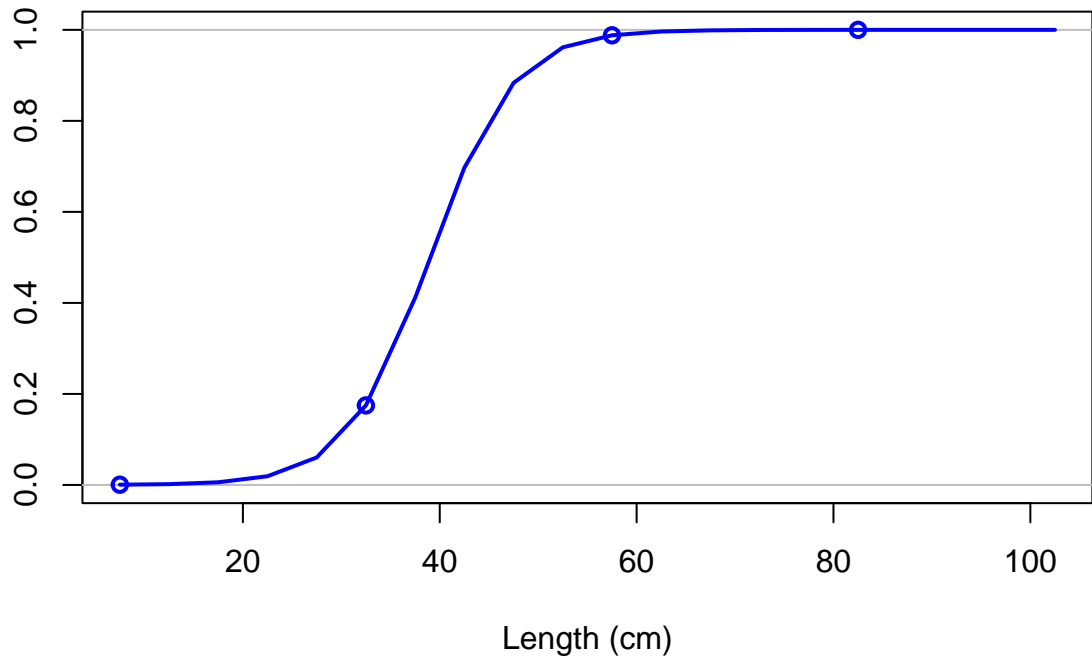
Spawning output



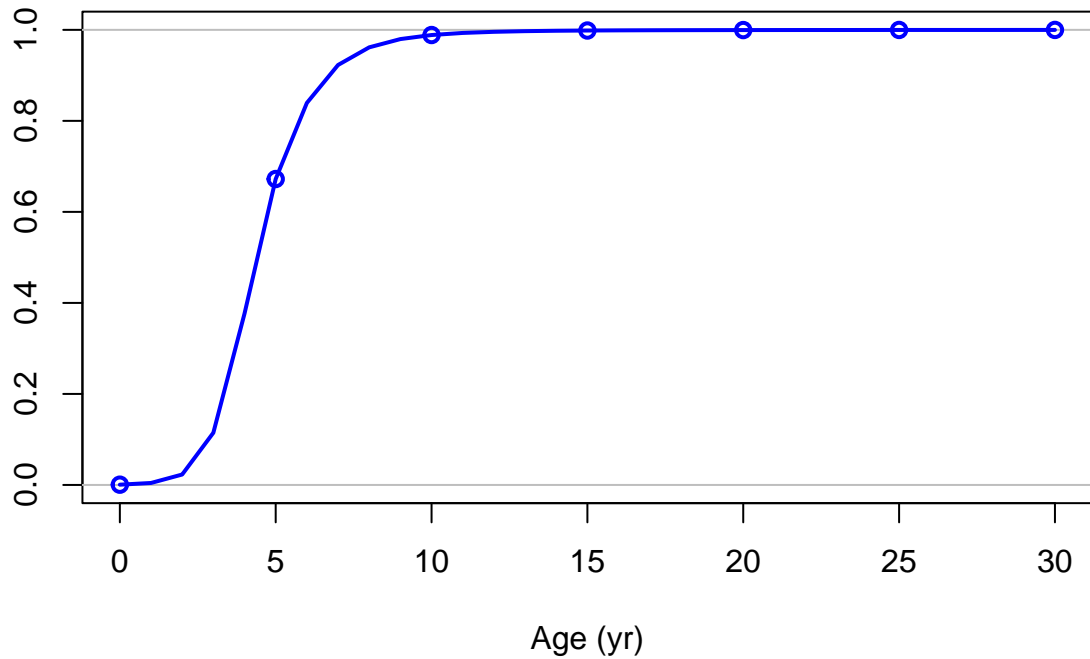
Spawning output



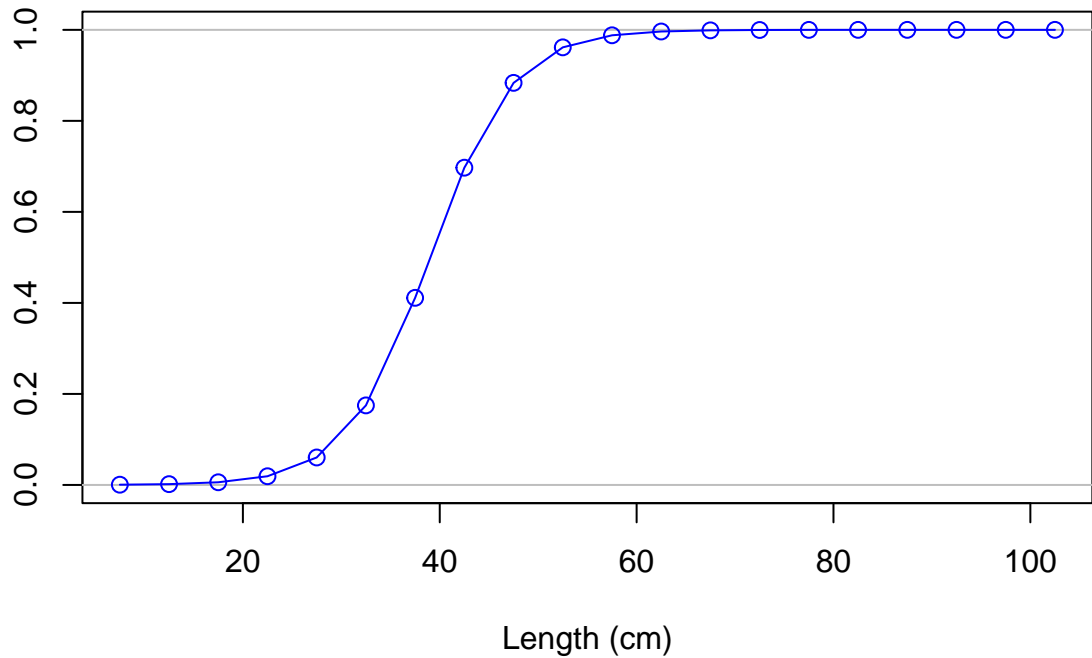
Selectivity



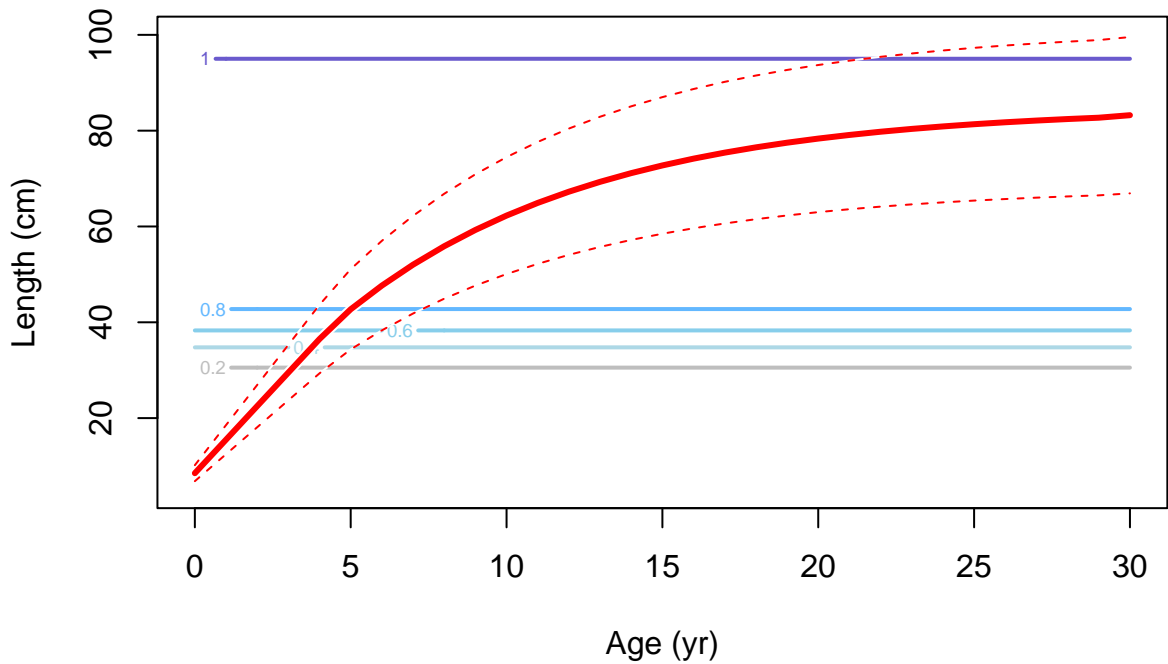
Selectivity

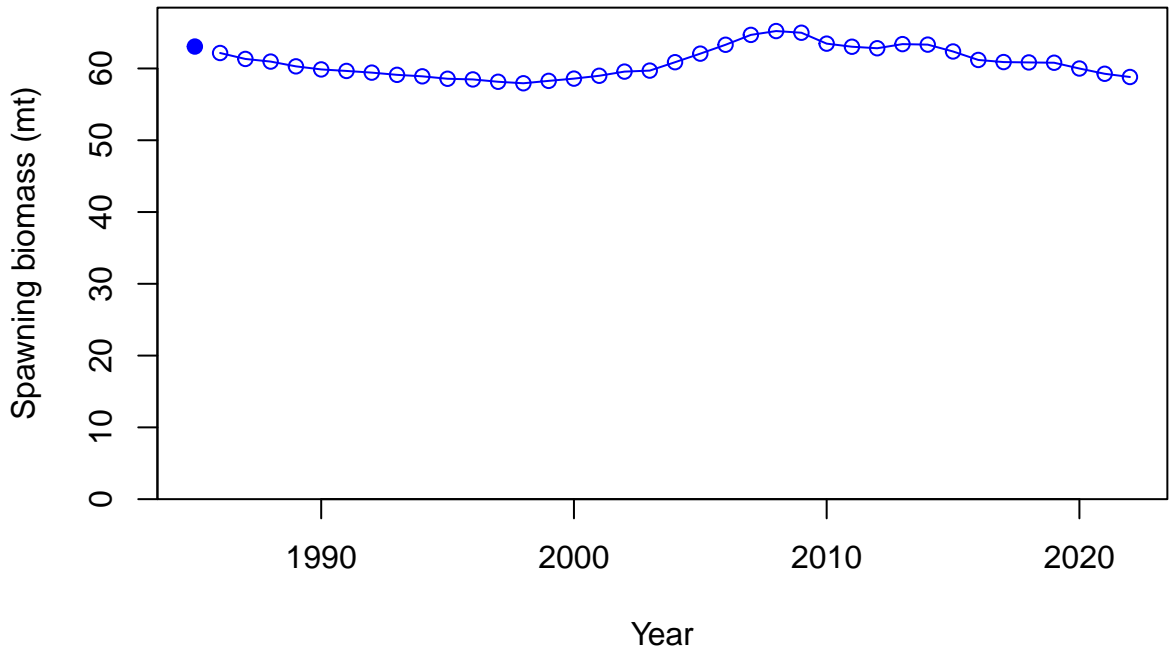


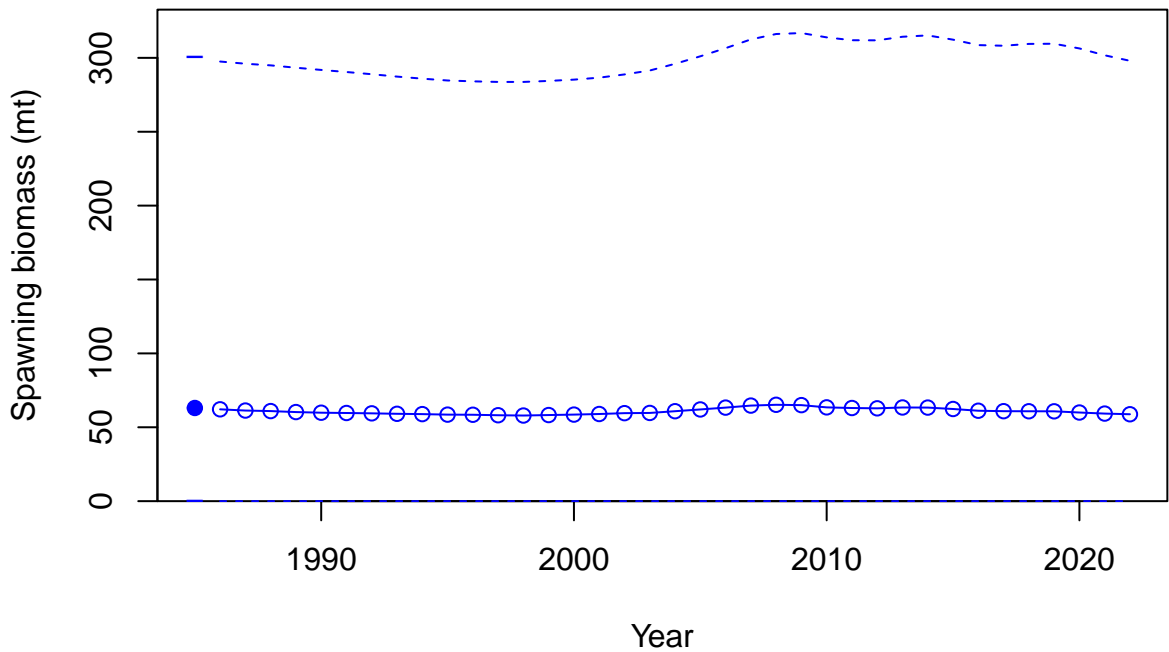
Selectivity



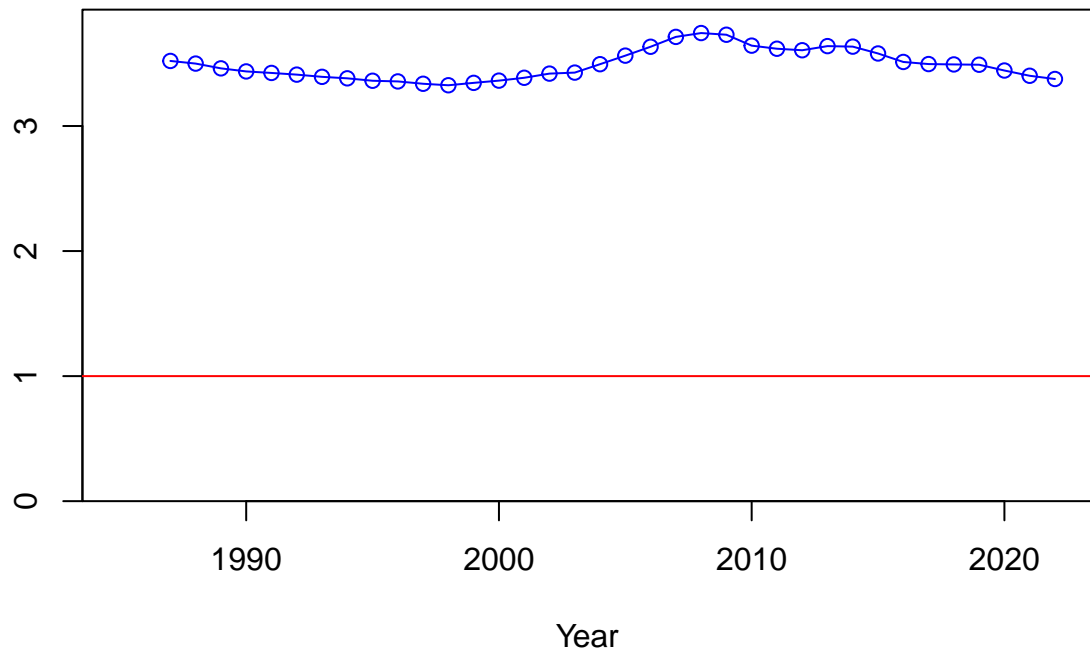




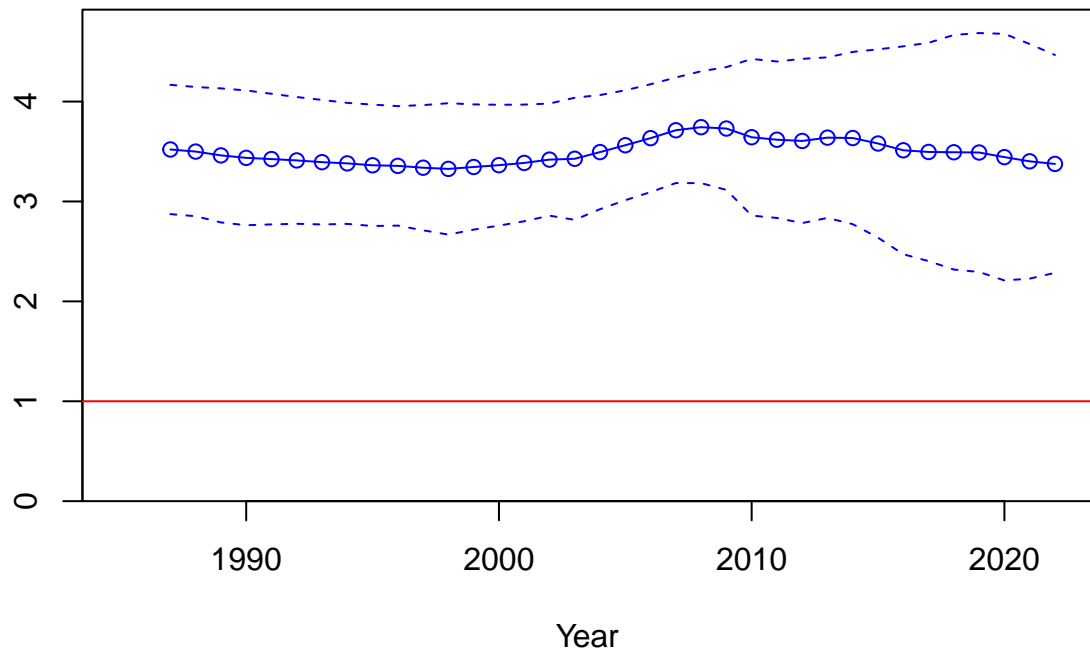


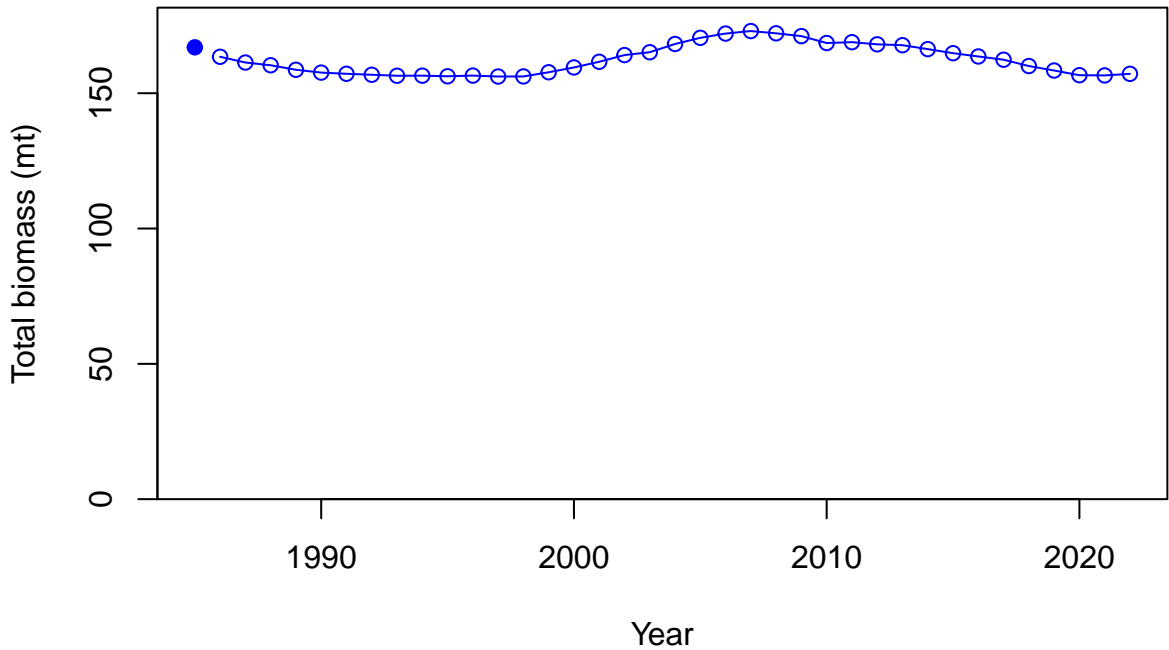


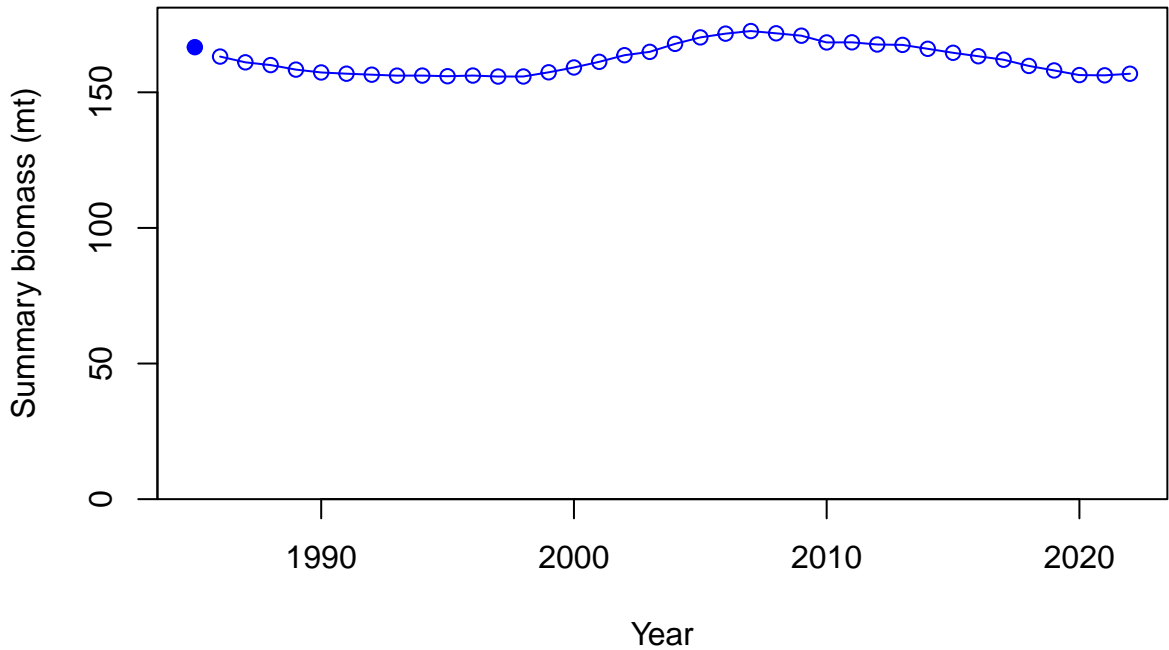
Relative spawning biomass: B/B\_MSY



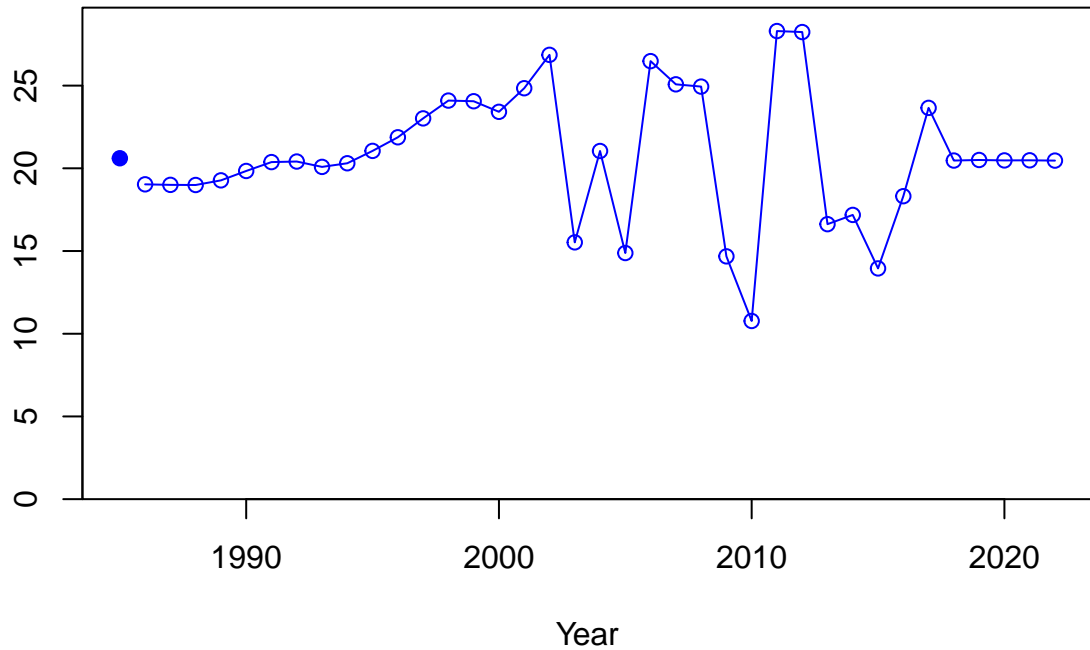
Relative spawning biomass:  $B/B_{MSY}$



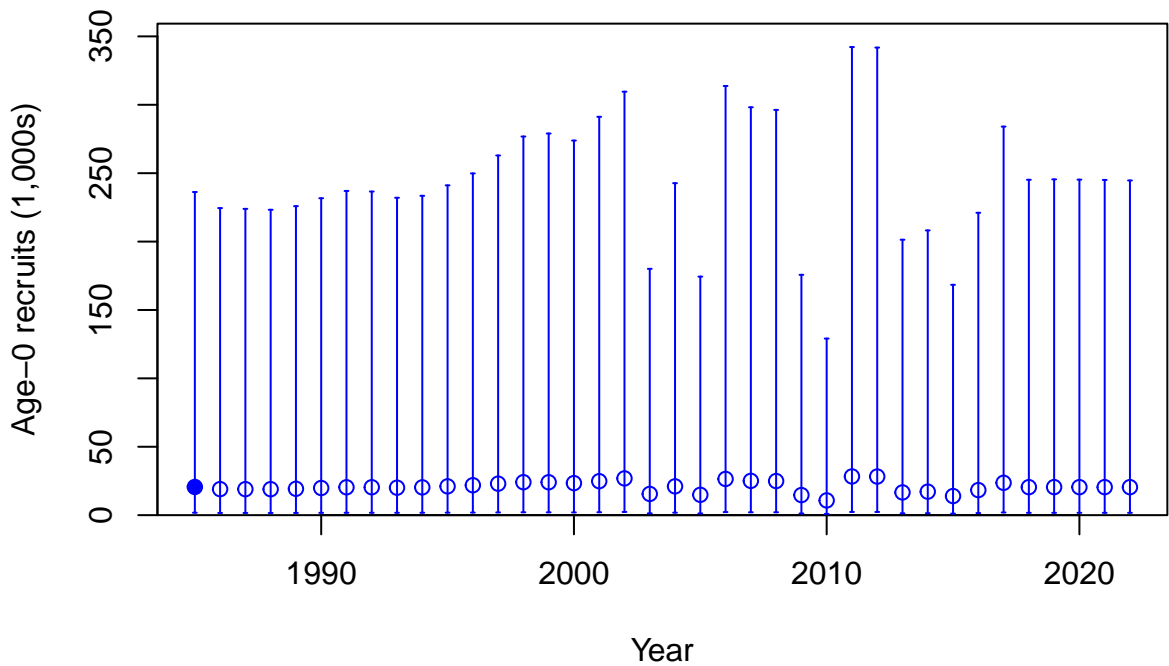




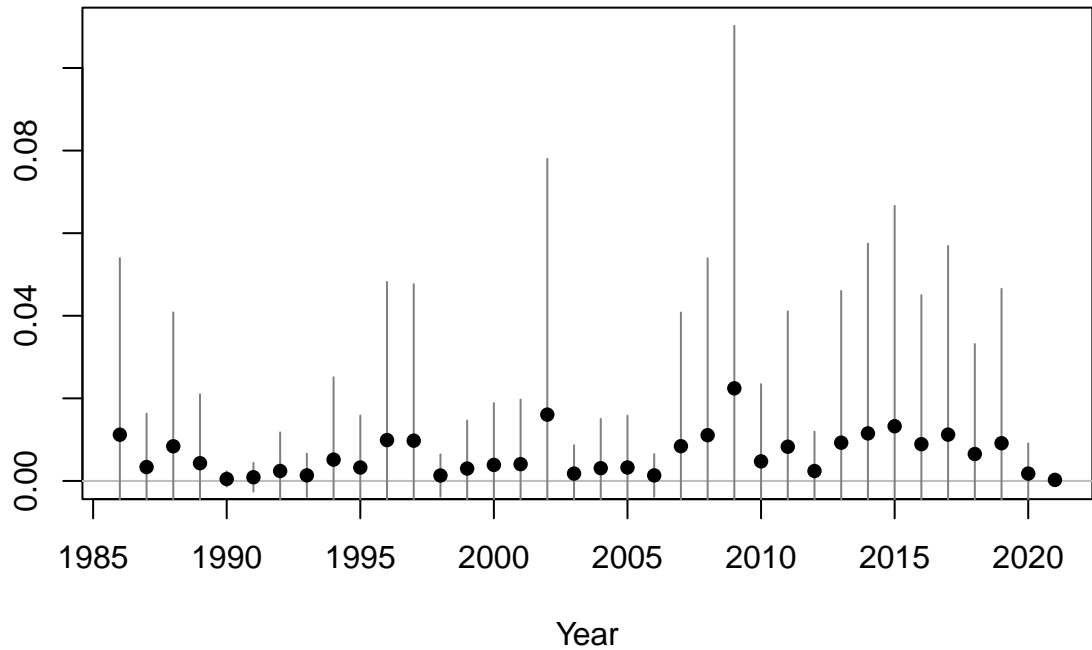
Age-0 recruits (1,000s)

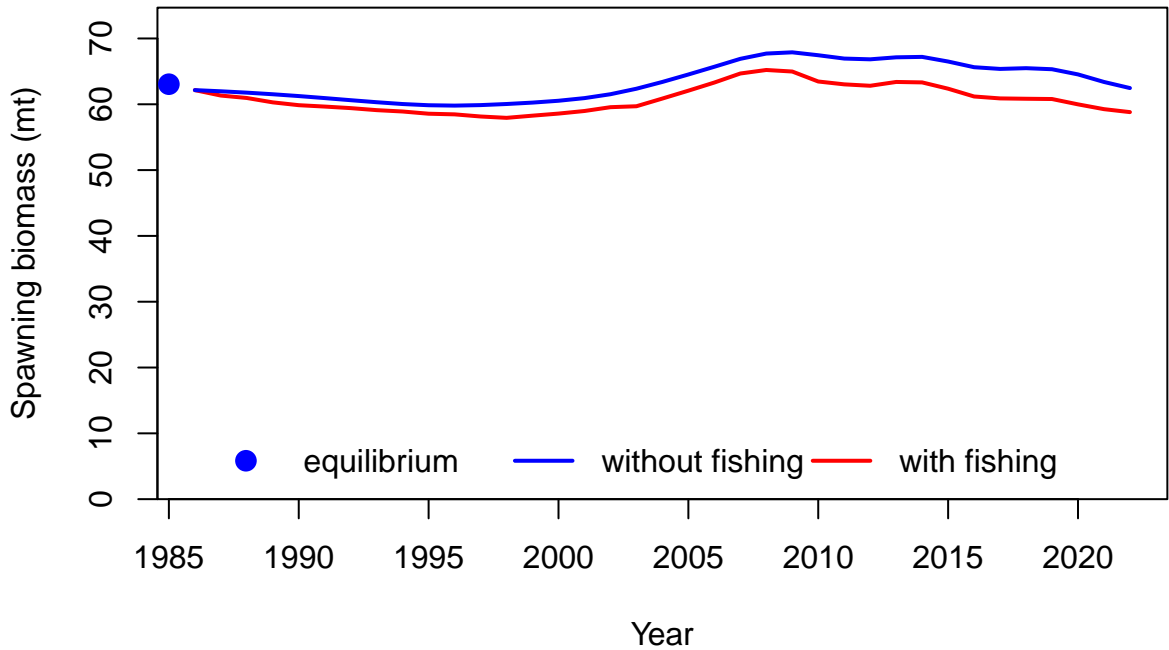




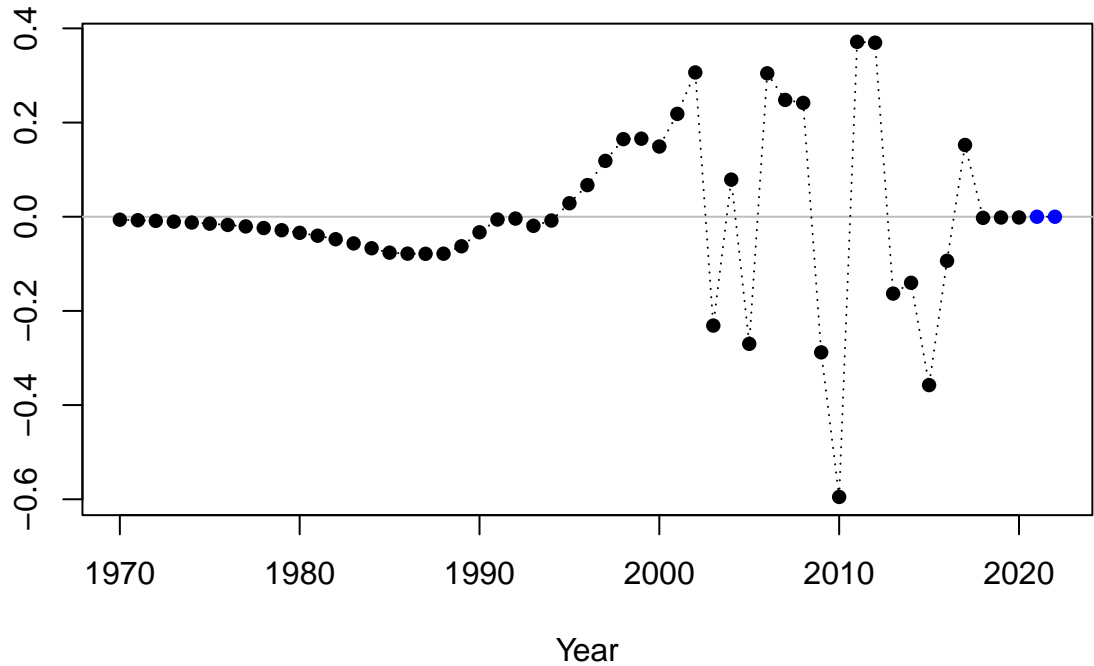


Summary Fishing Mortality

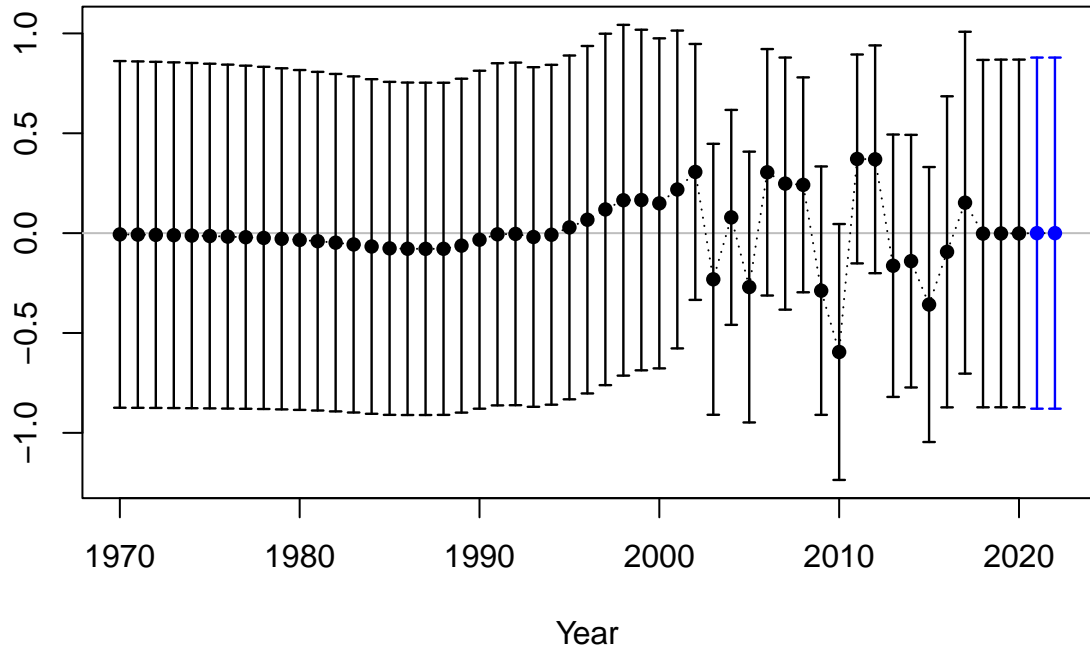




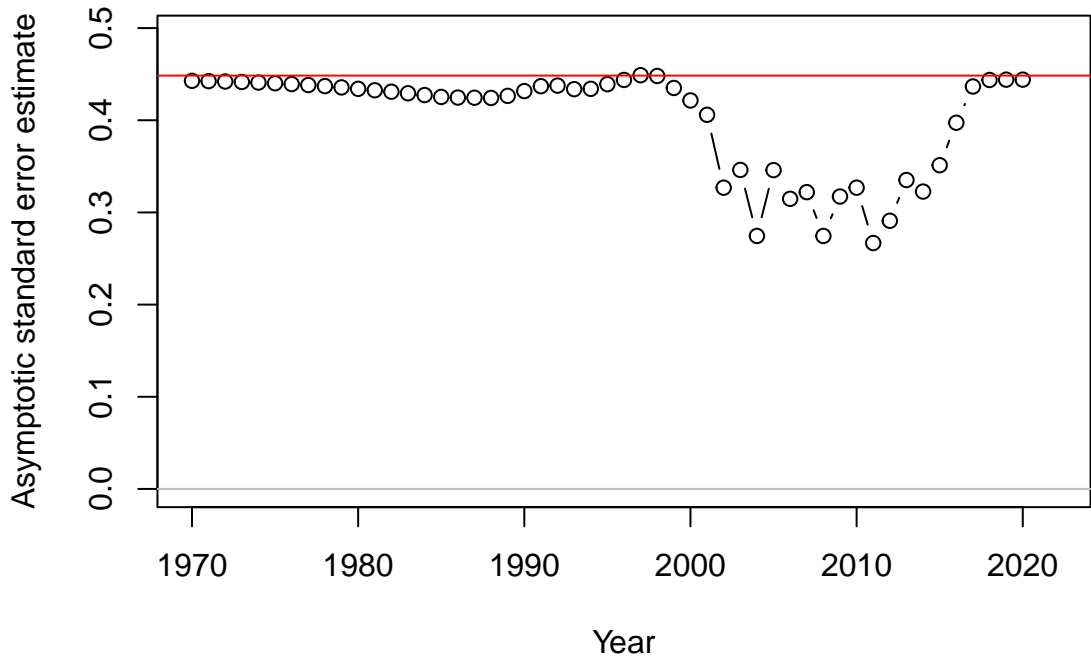
Log recruitment deviation

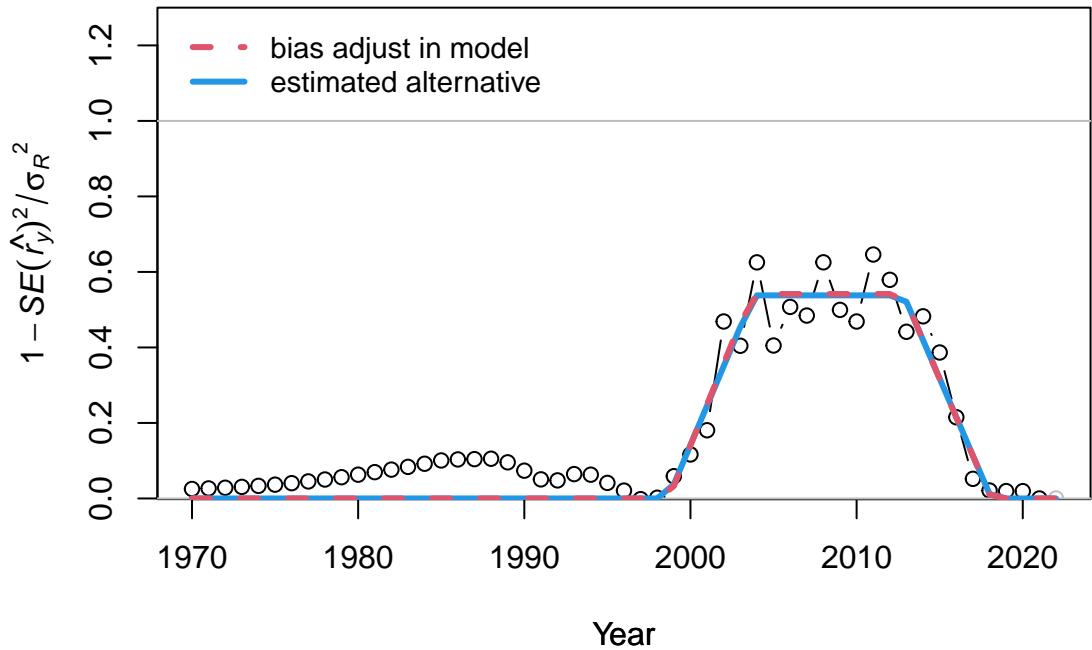


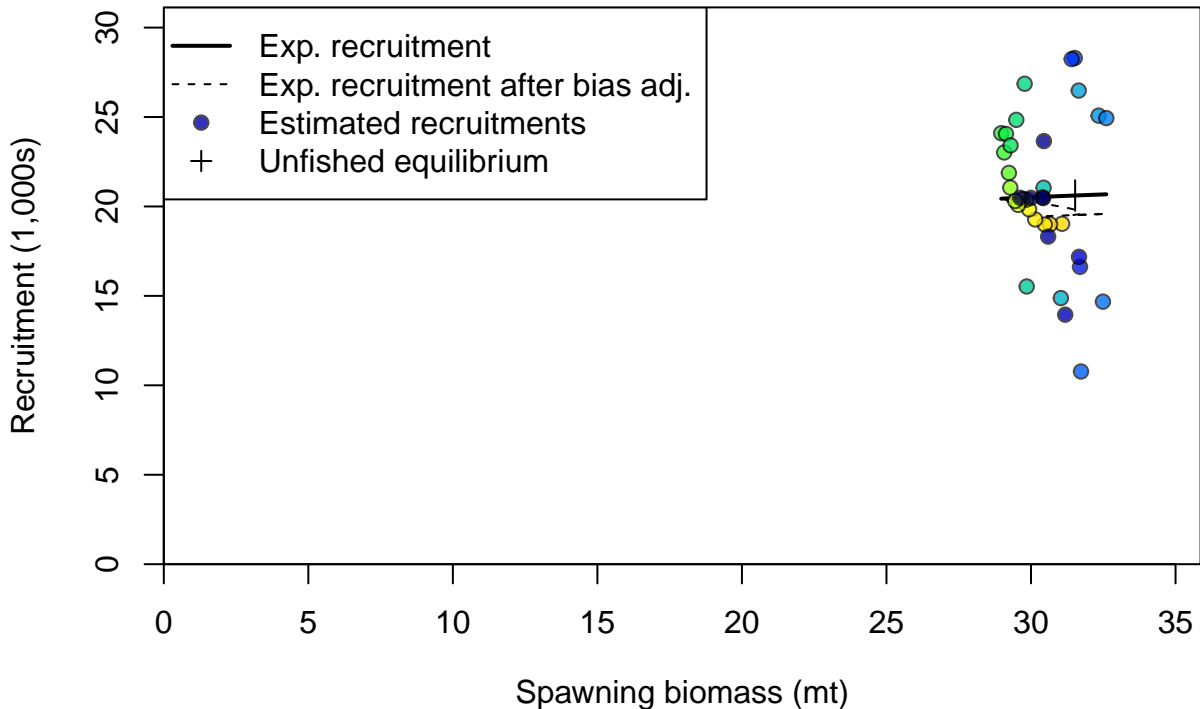
Log recruitment deviation



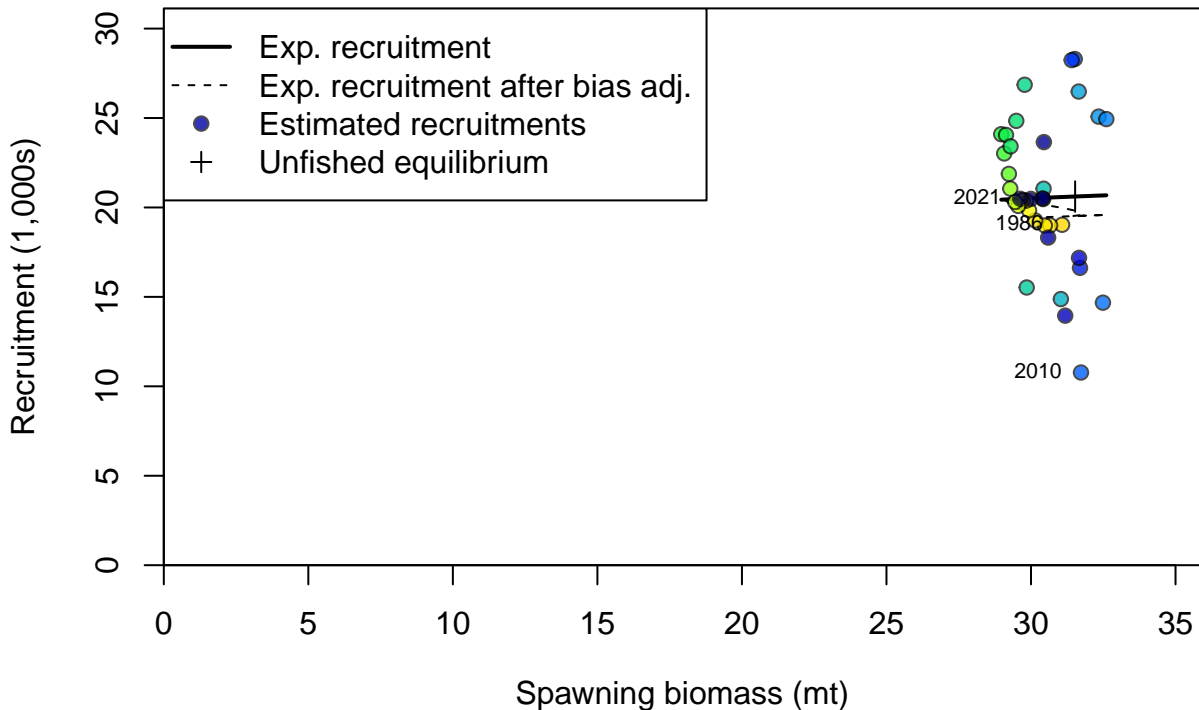
## Recruitment deviation variance

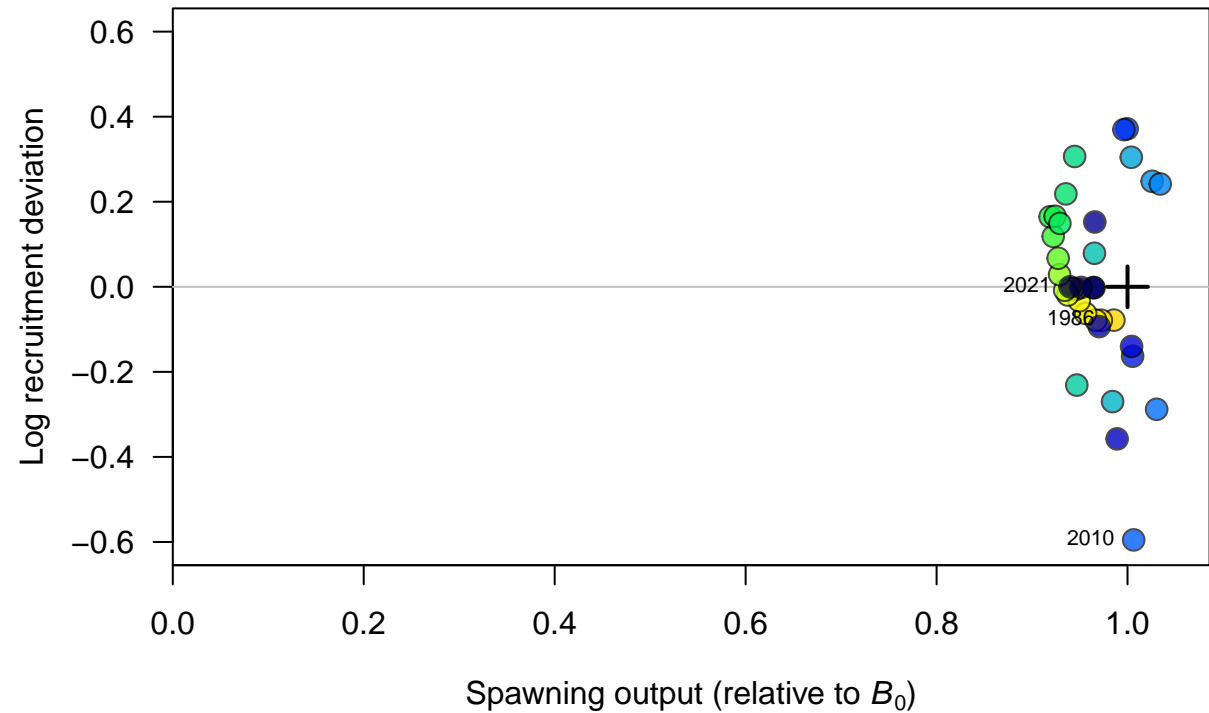


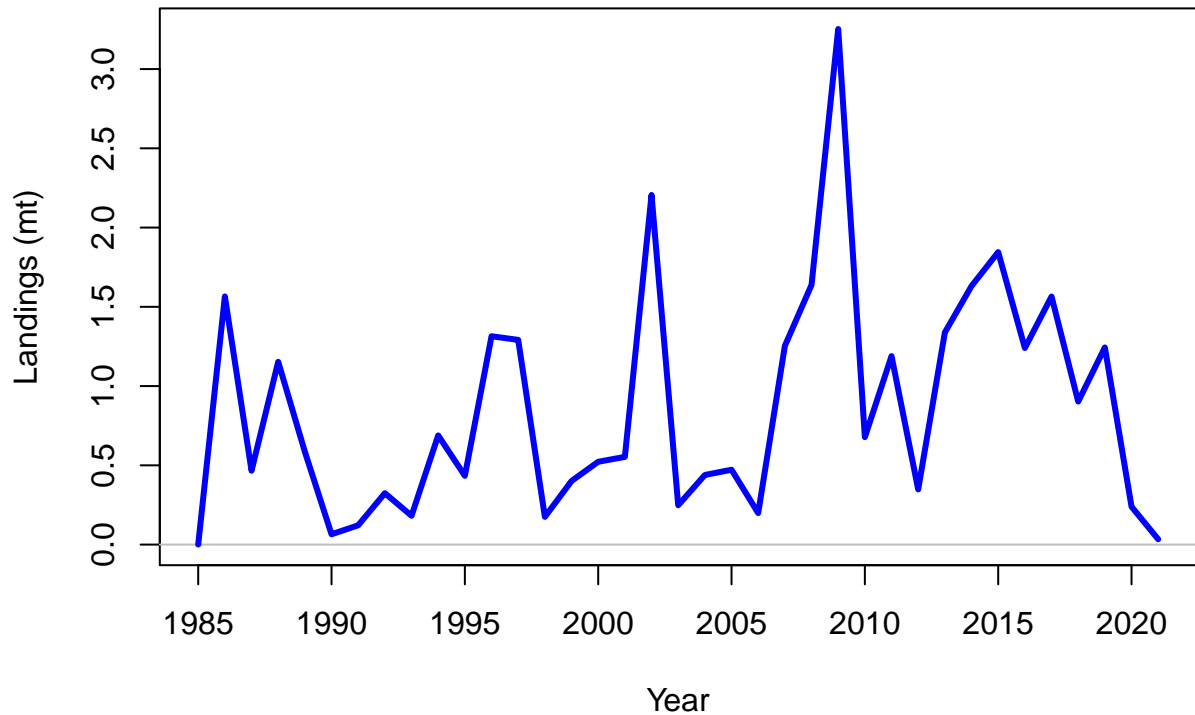


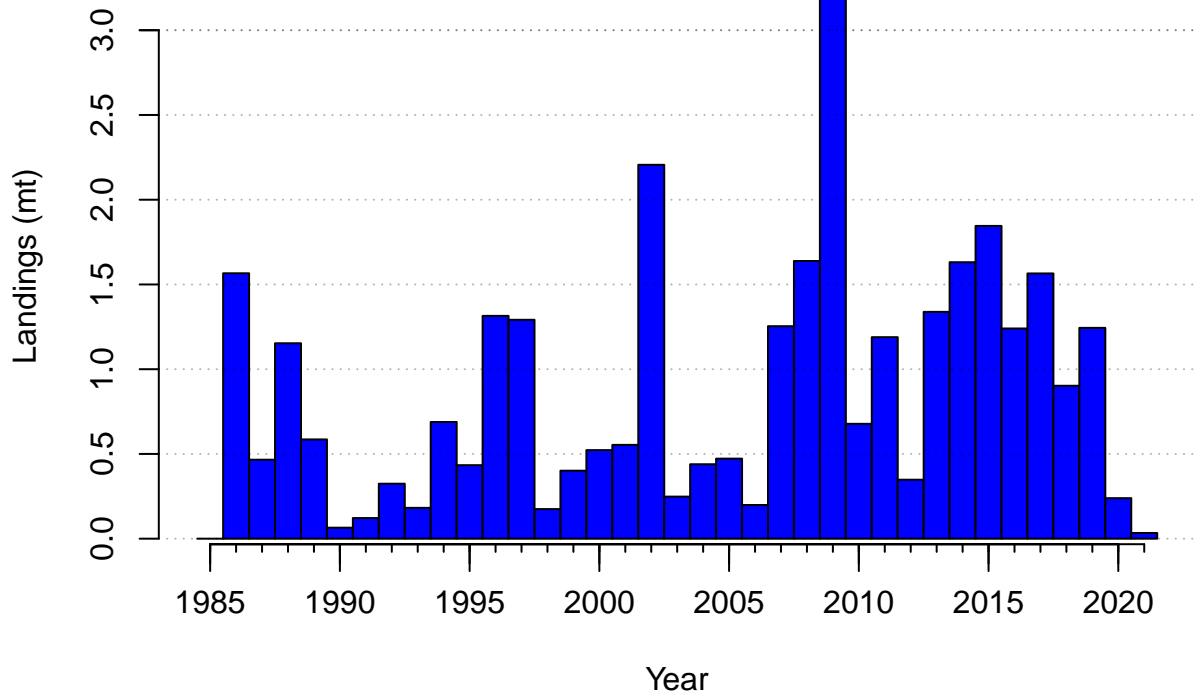


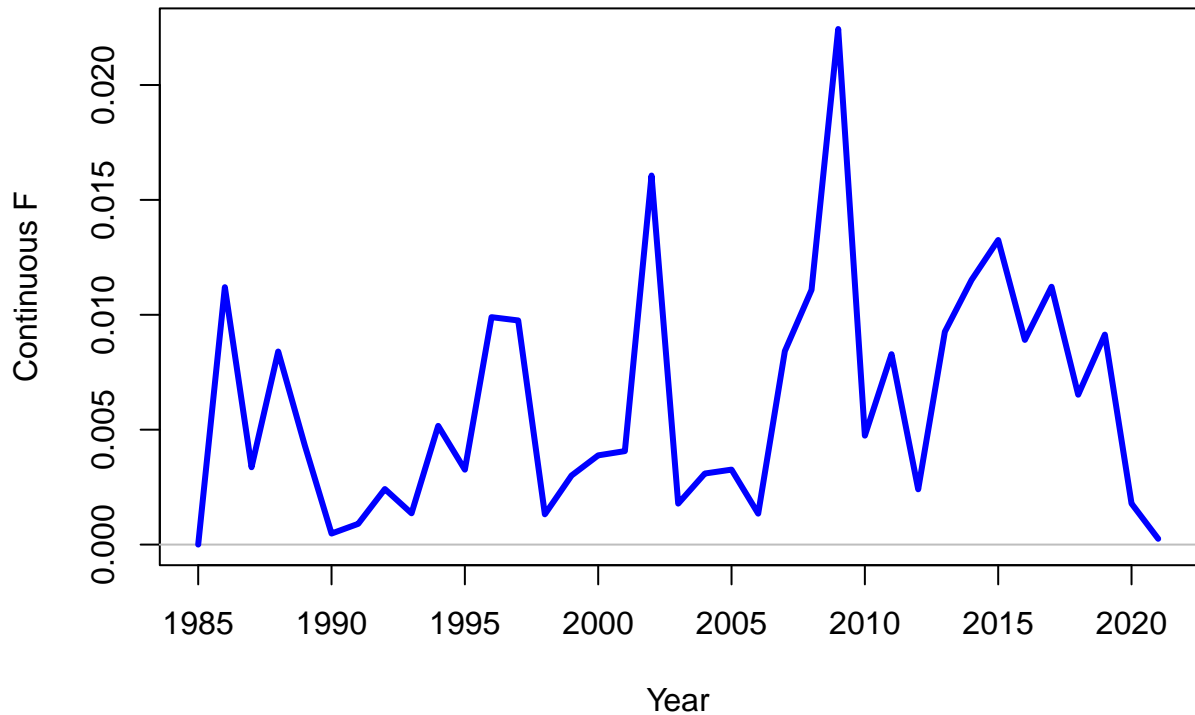




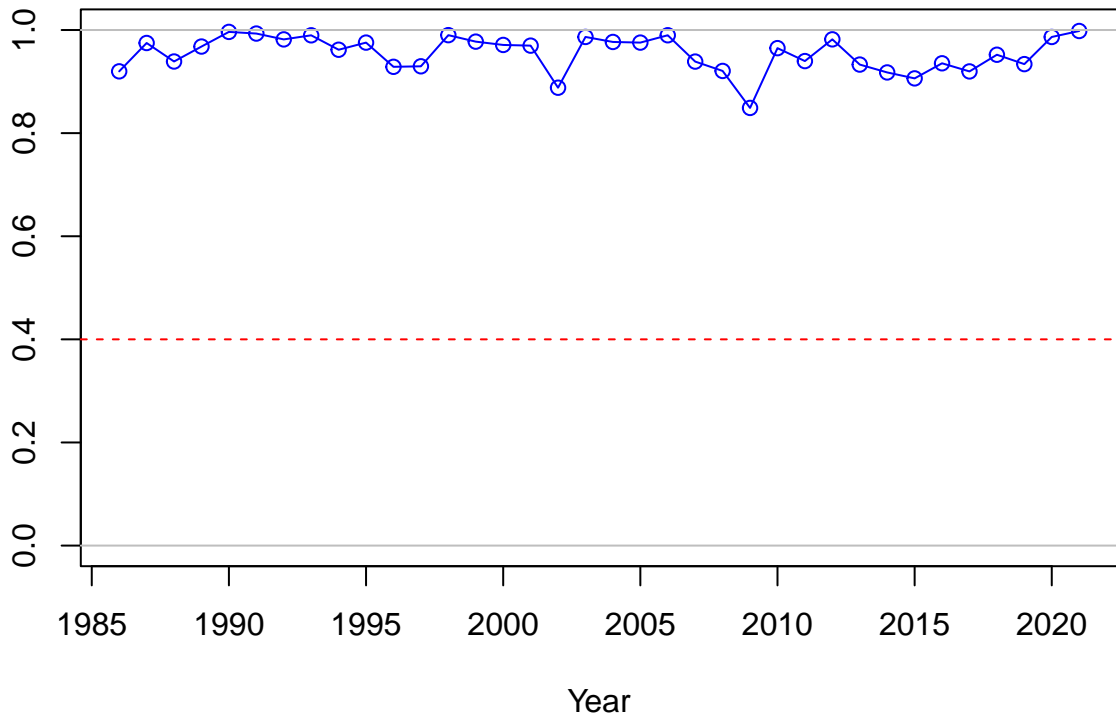




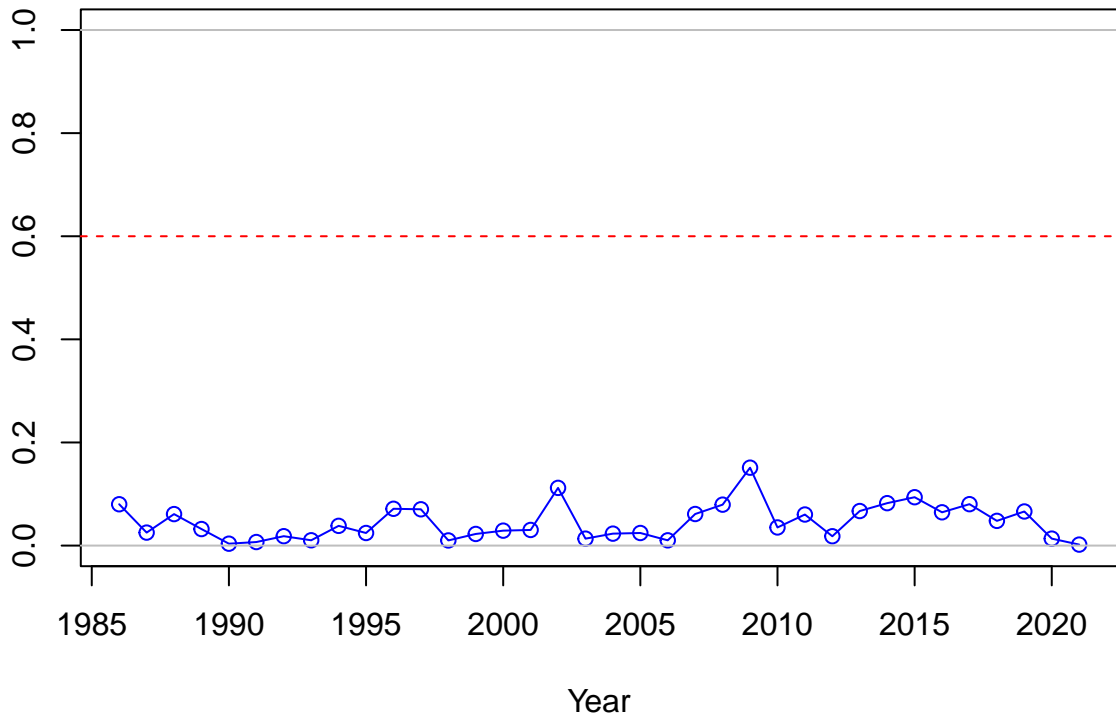




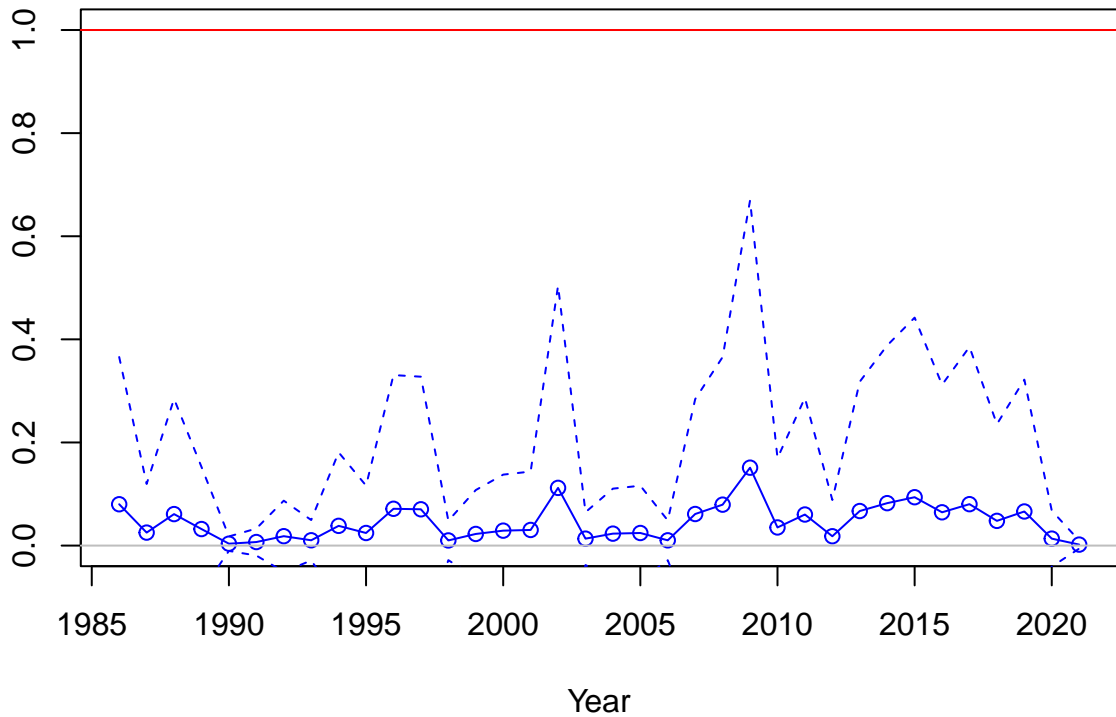
SPR



1-SPR

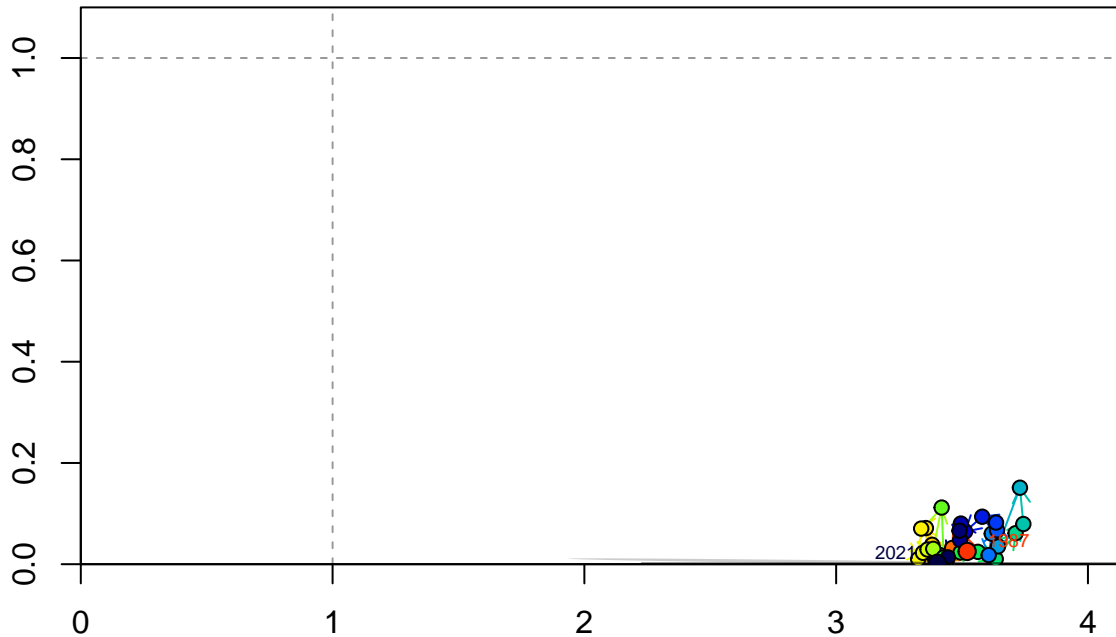


Fishing intensity: 1-SPR



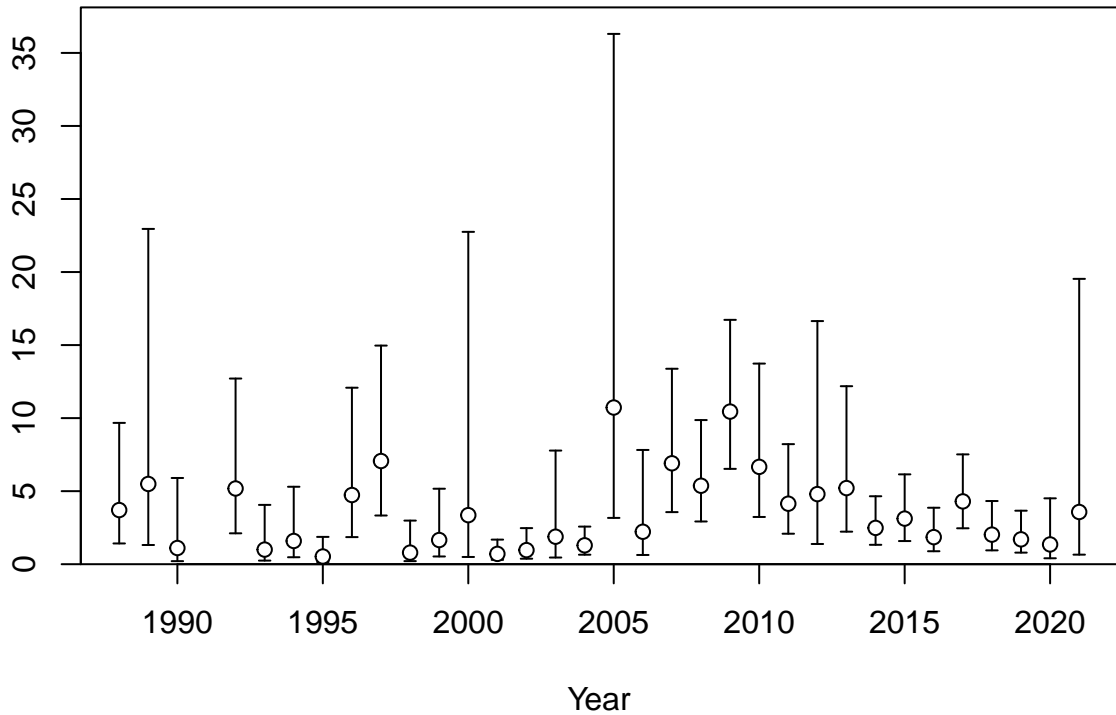


Fishing intensity: 1-SPR

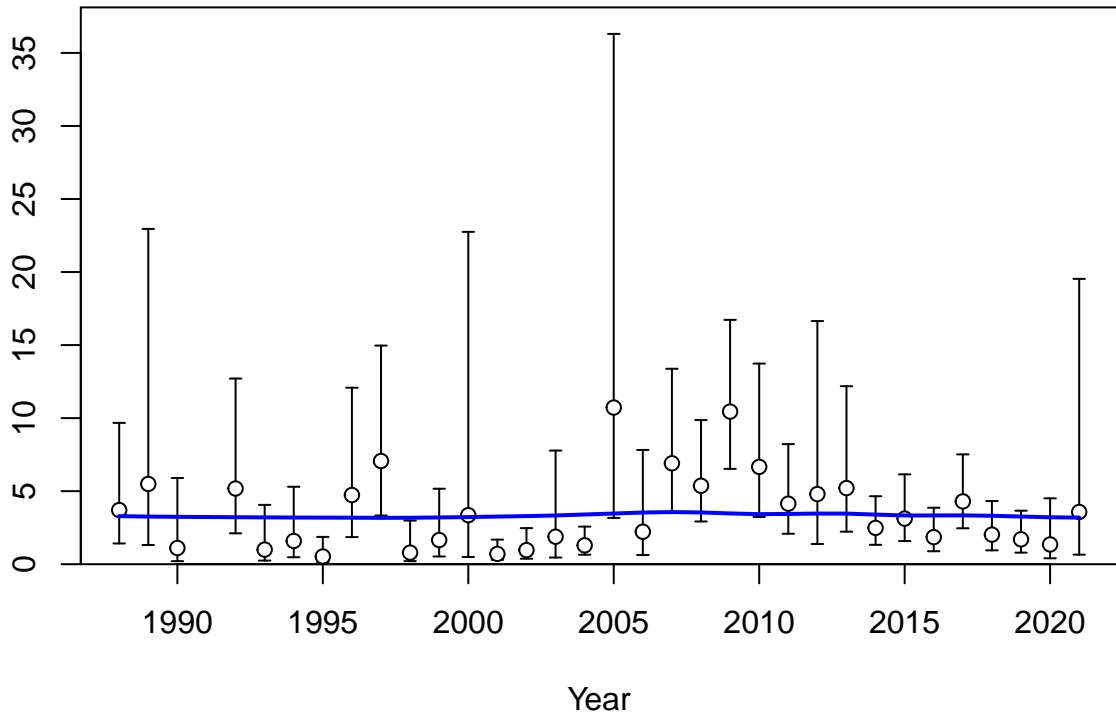


Relative spawning output:  $B/B_{MSY}$

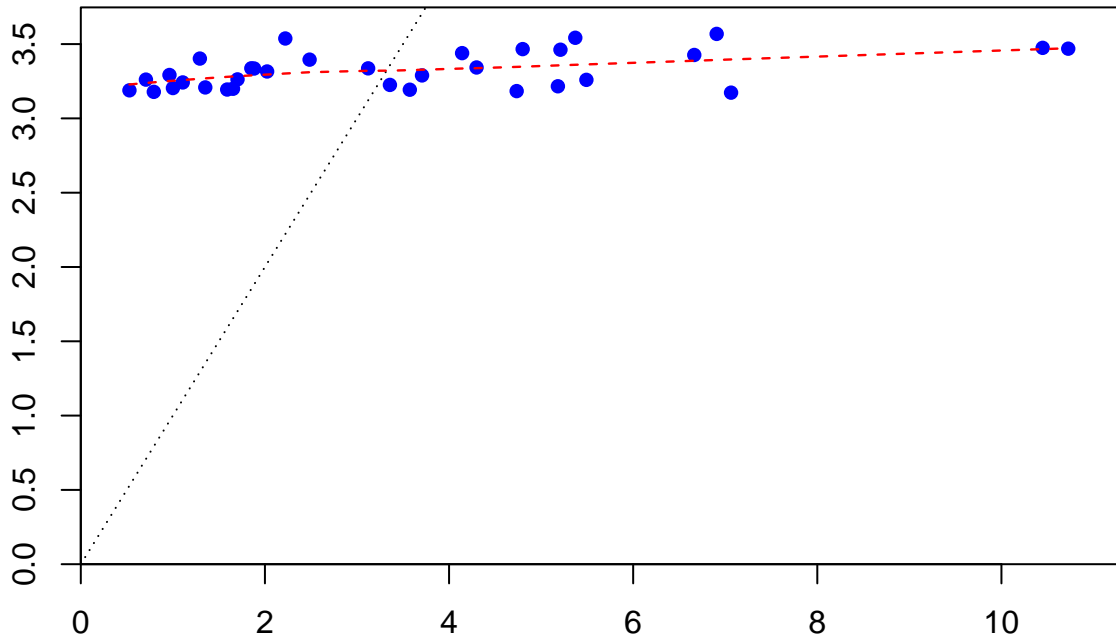
Index



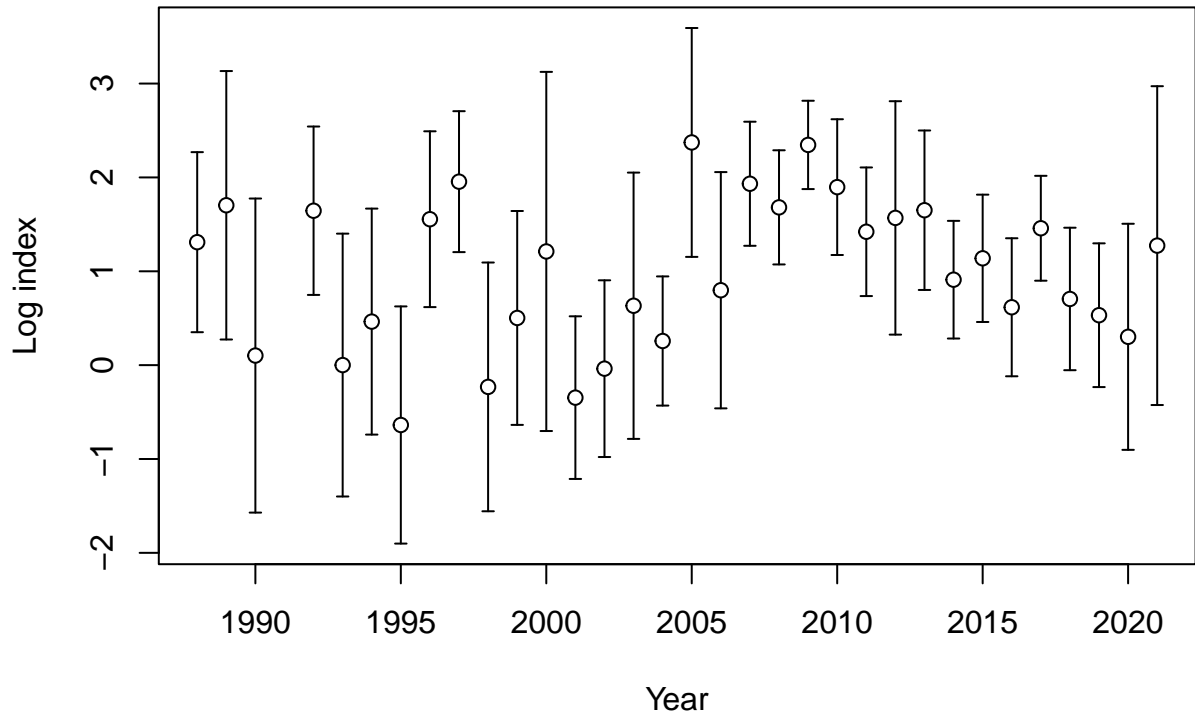
Index

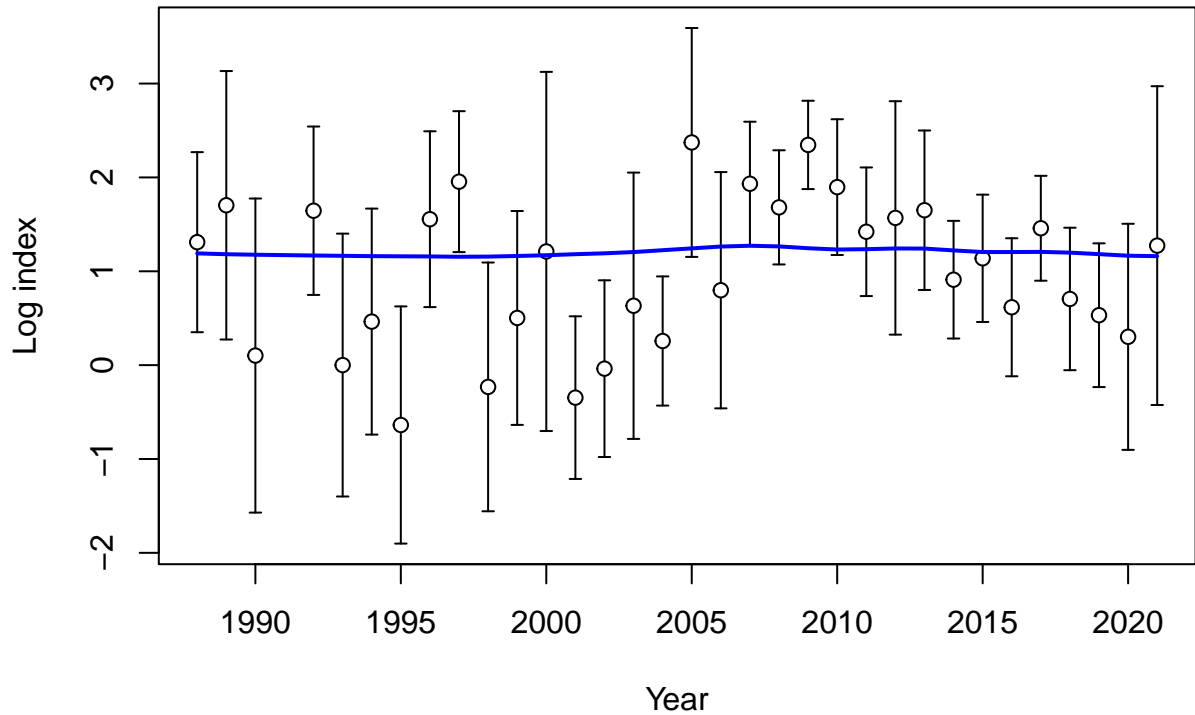


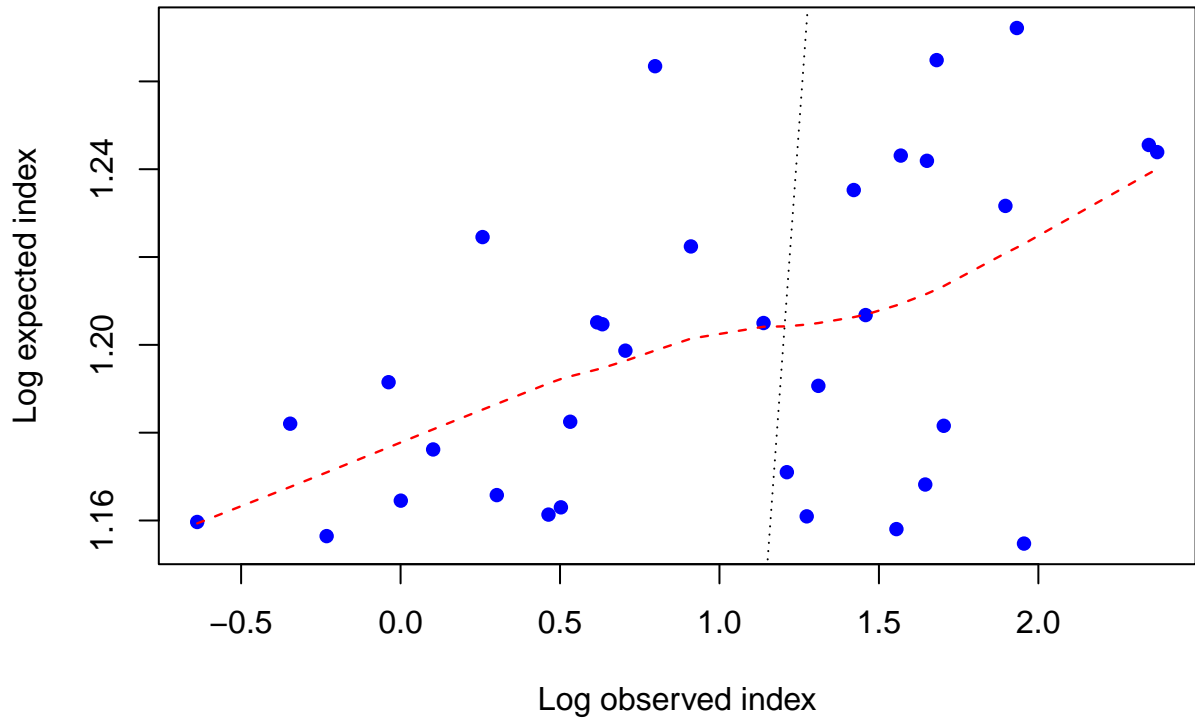
Expected index

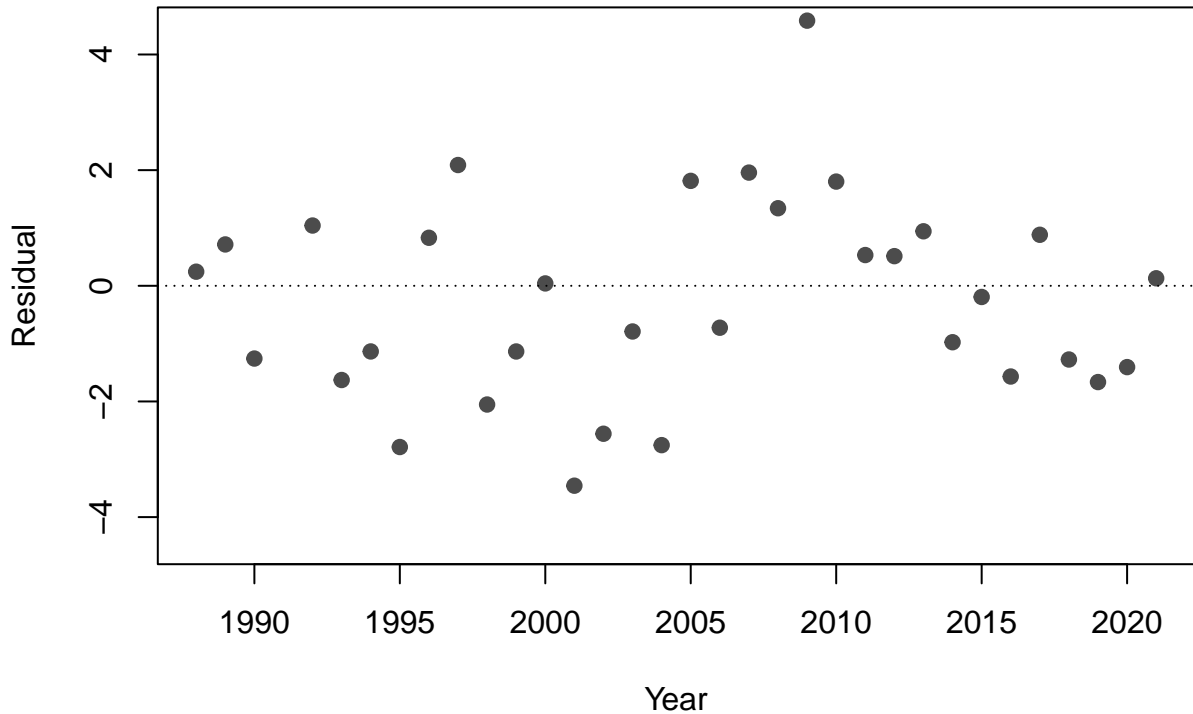


Observed index

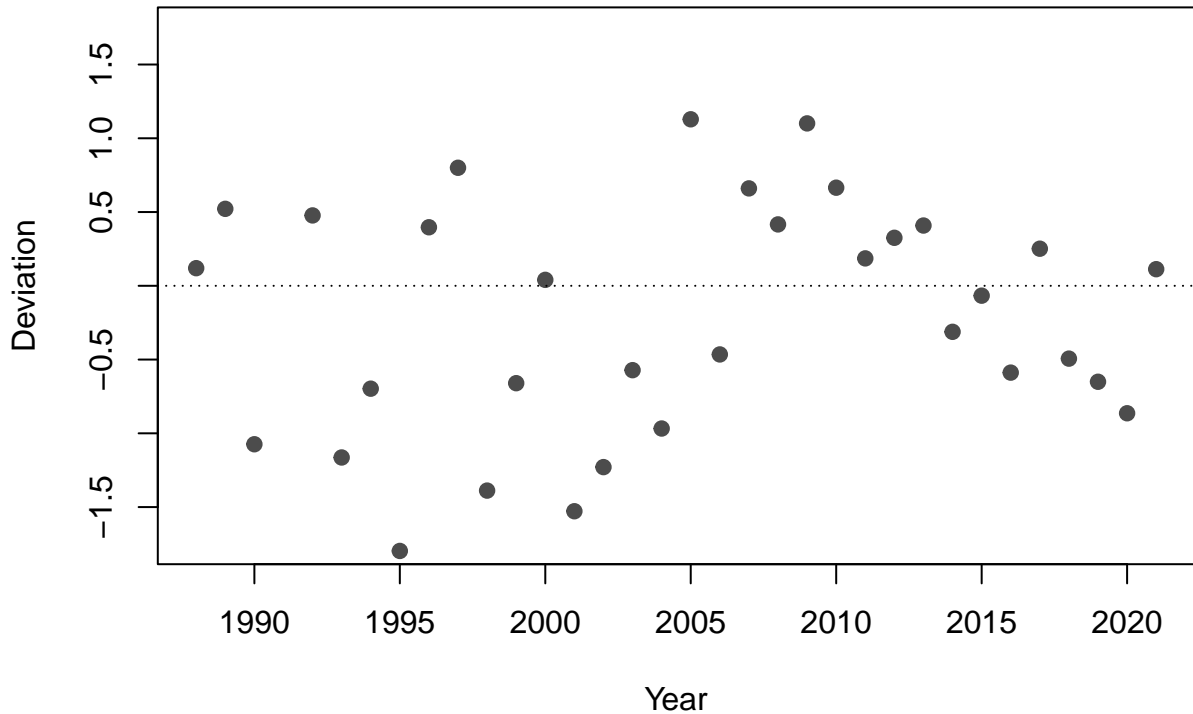


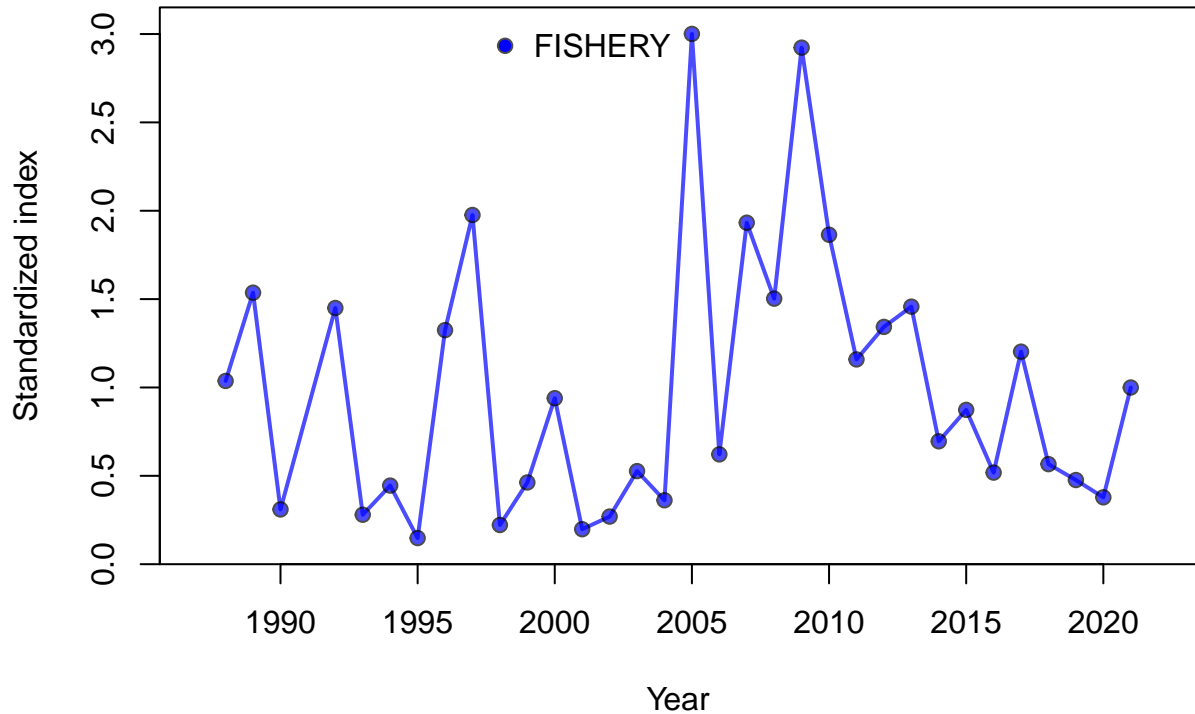


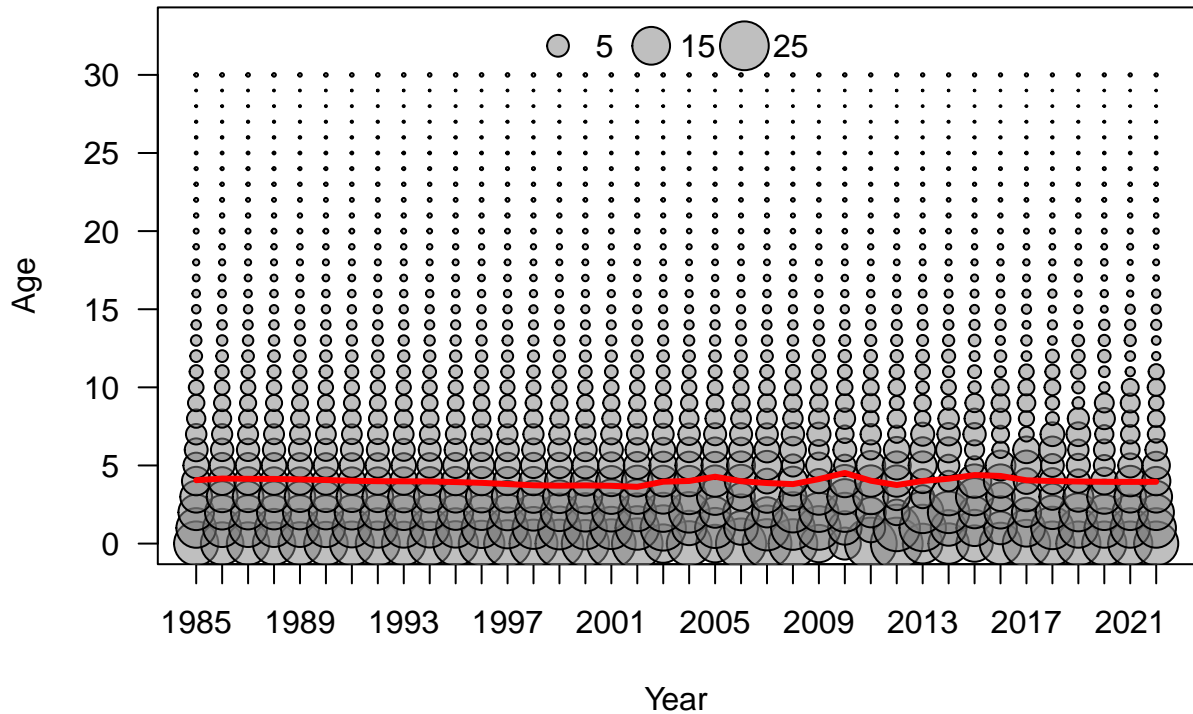


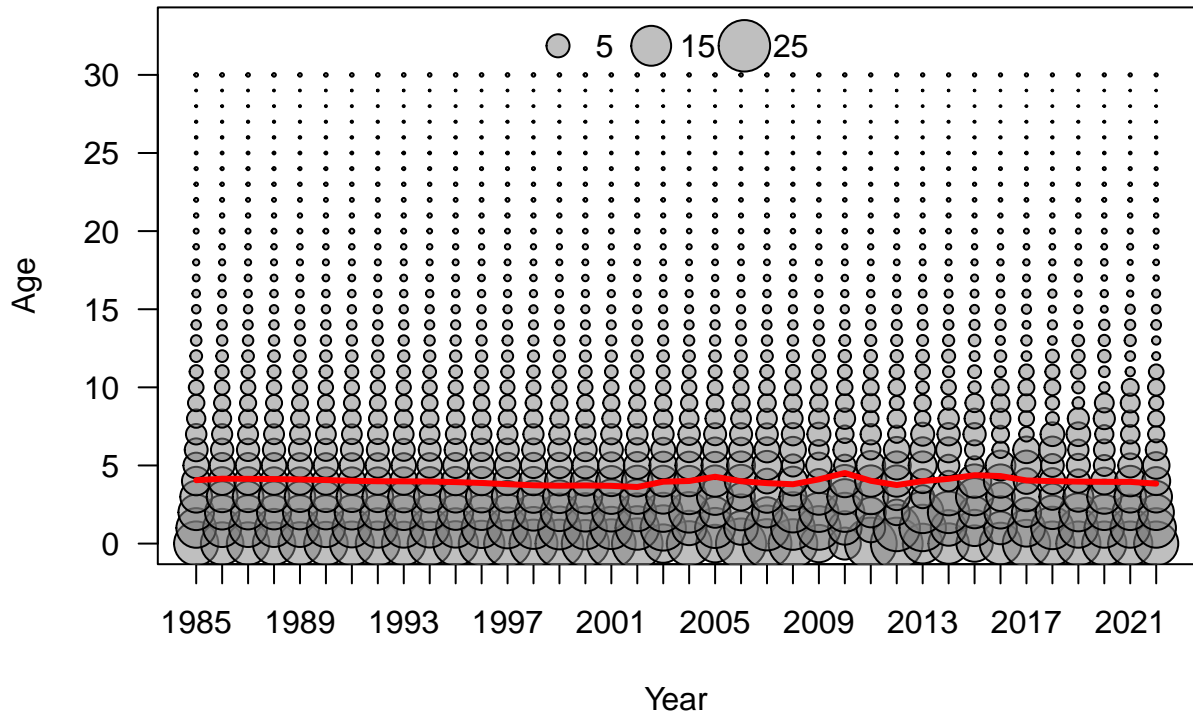


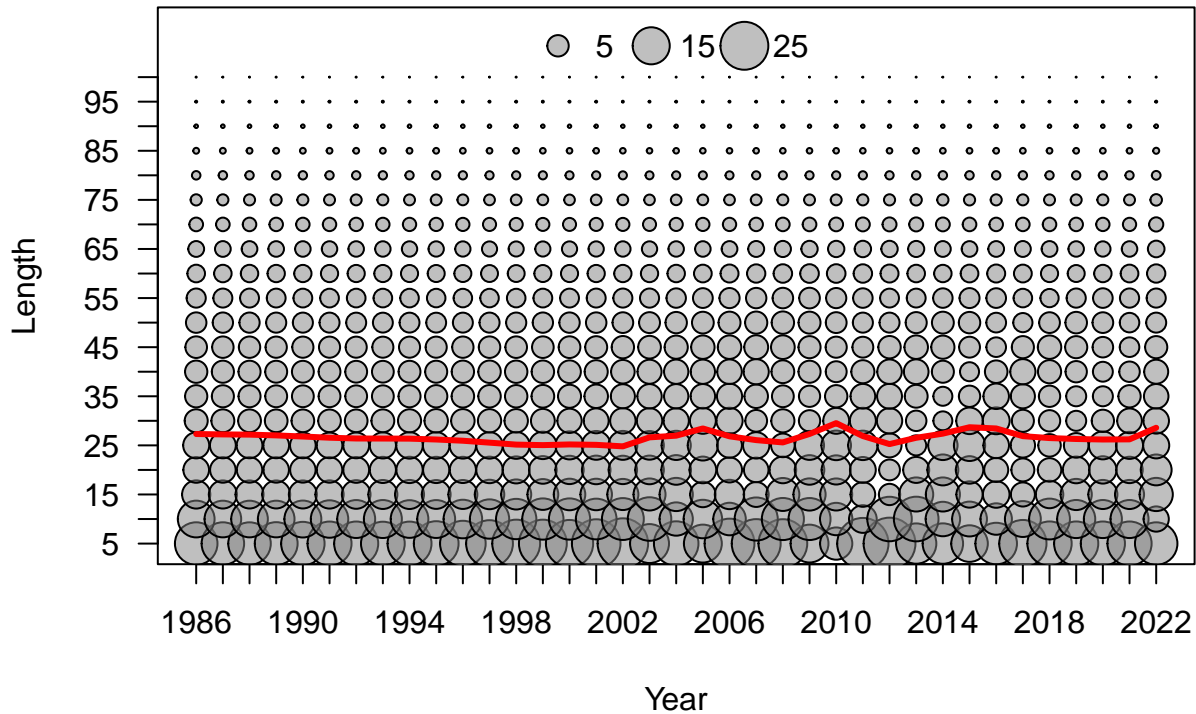


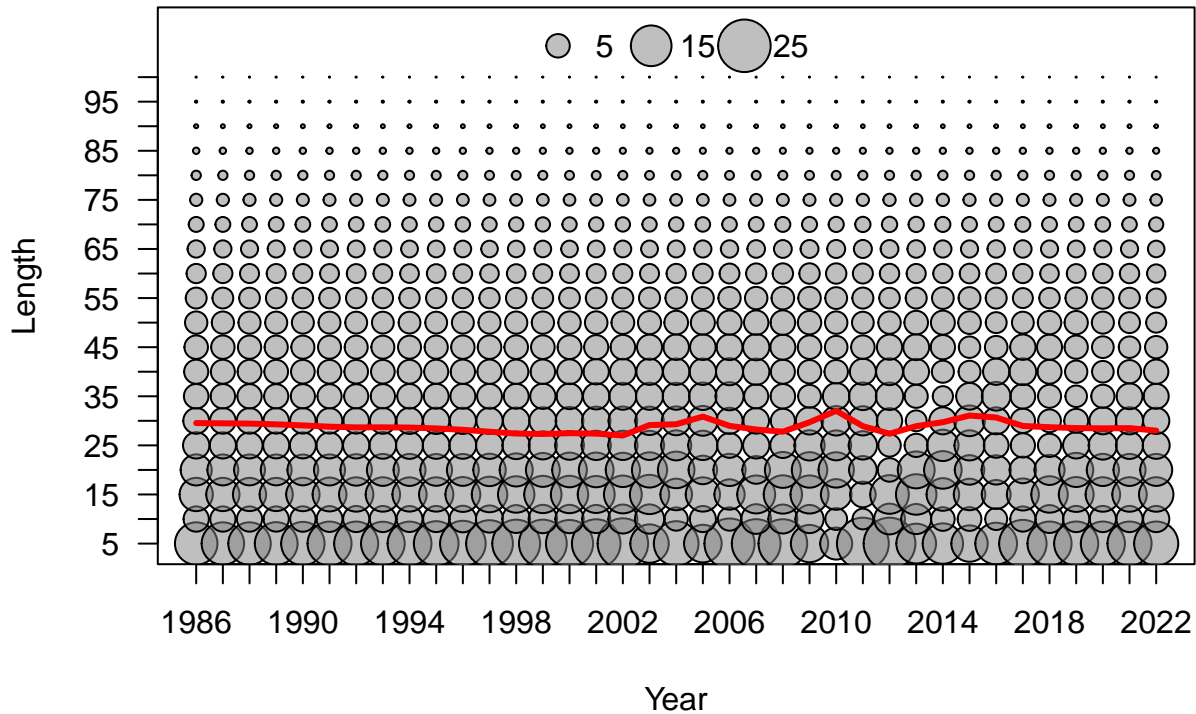


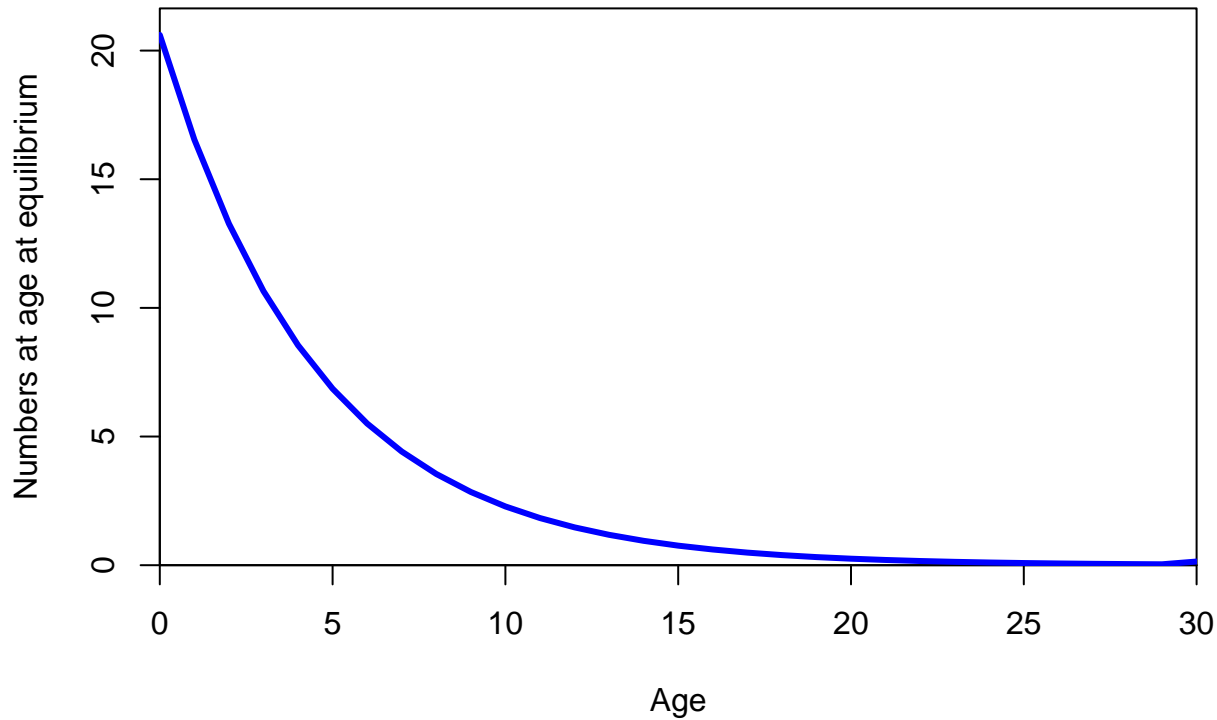






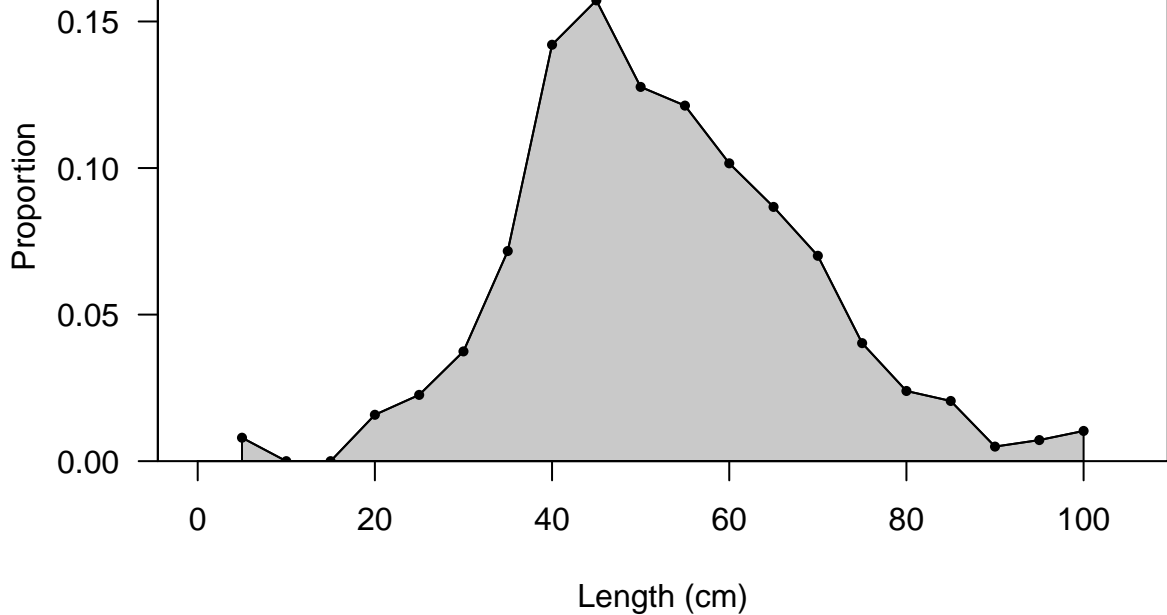




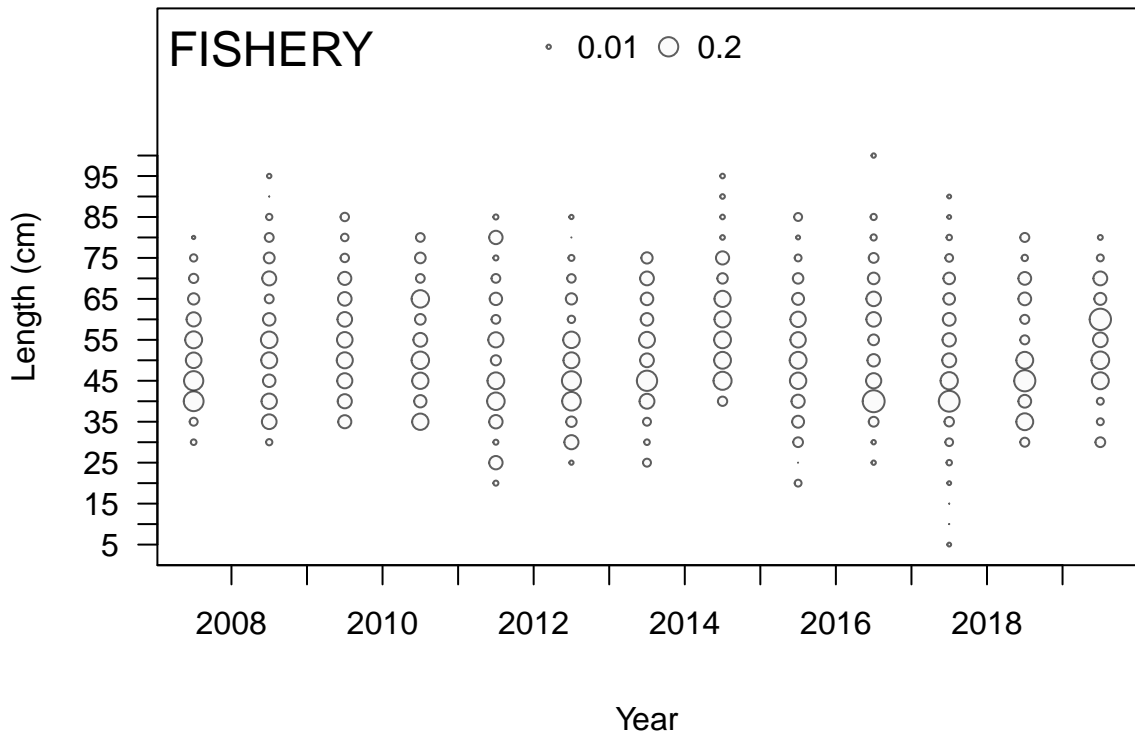


# FISHERY

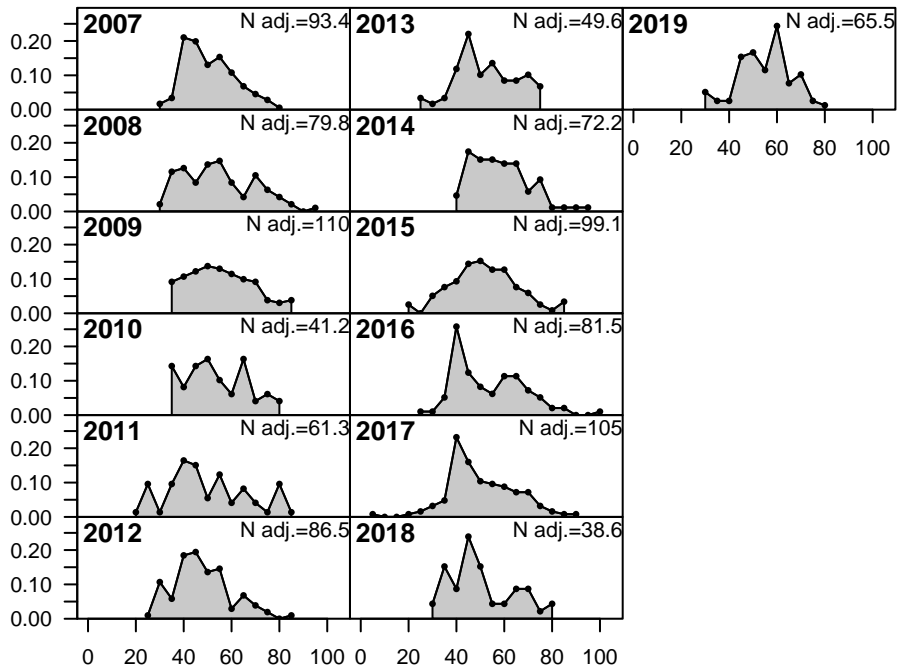
Sum of N adj.=983.8



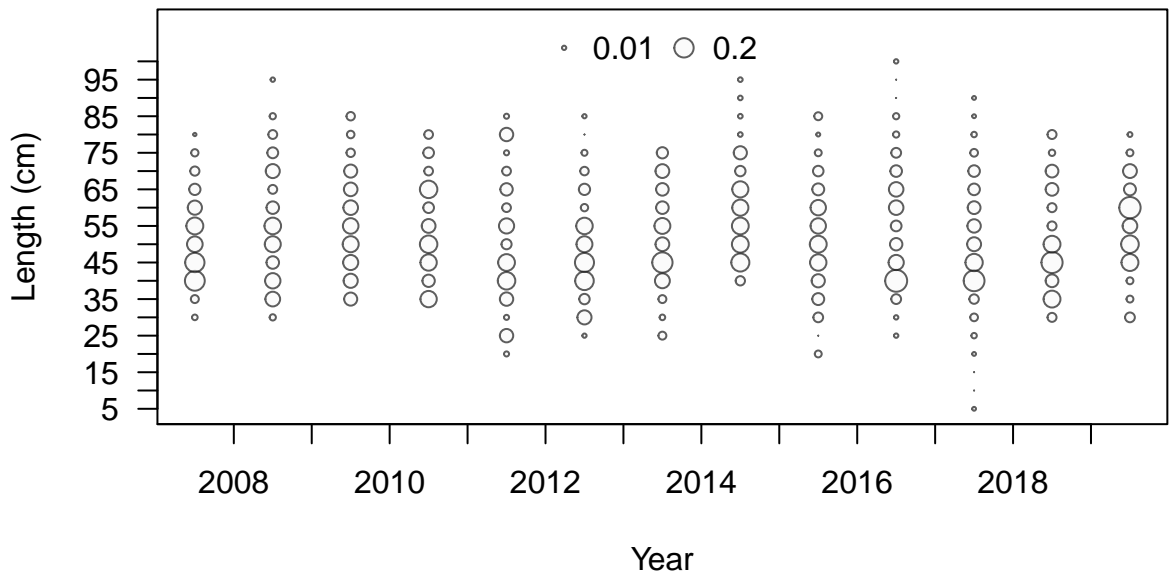




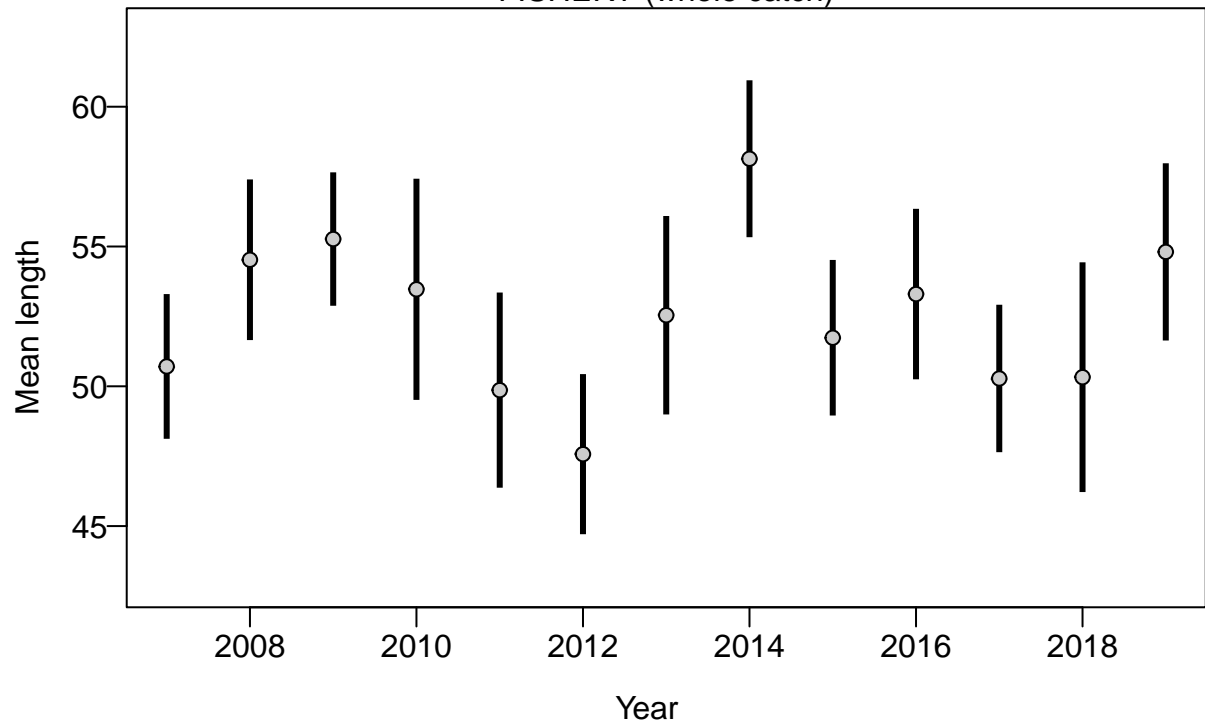
Proportion



Length (cm)

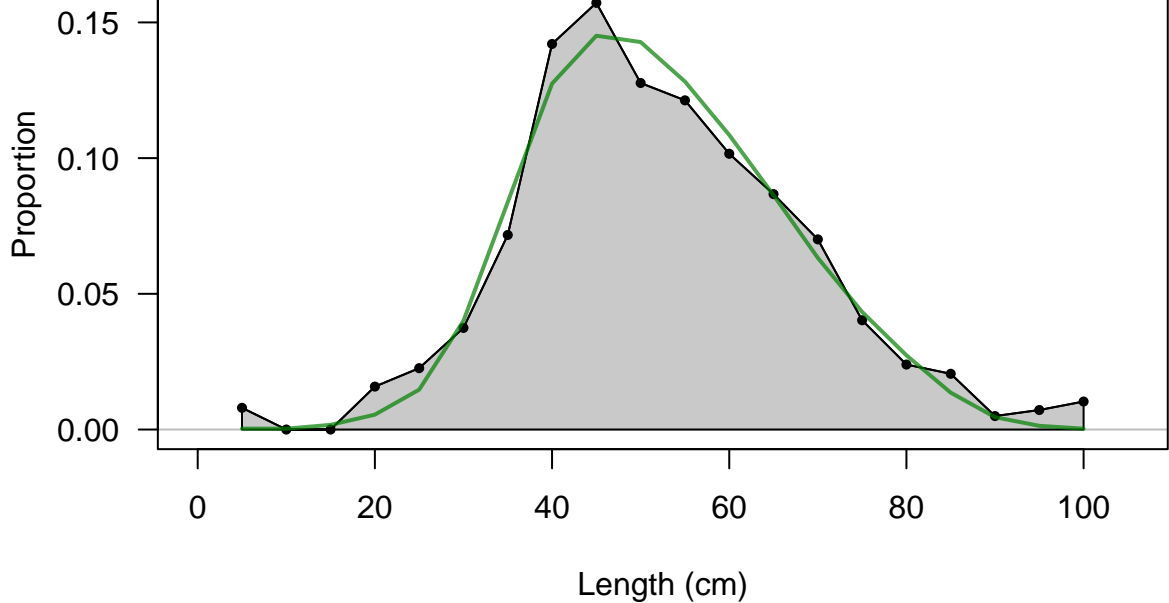


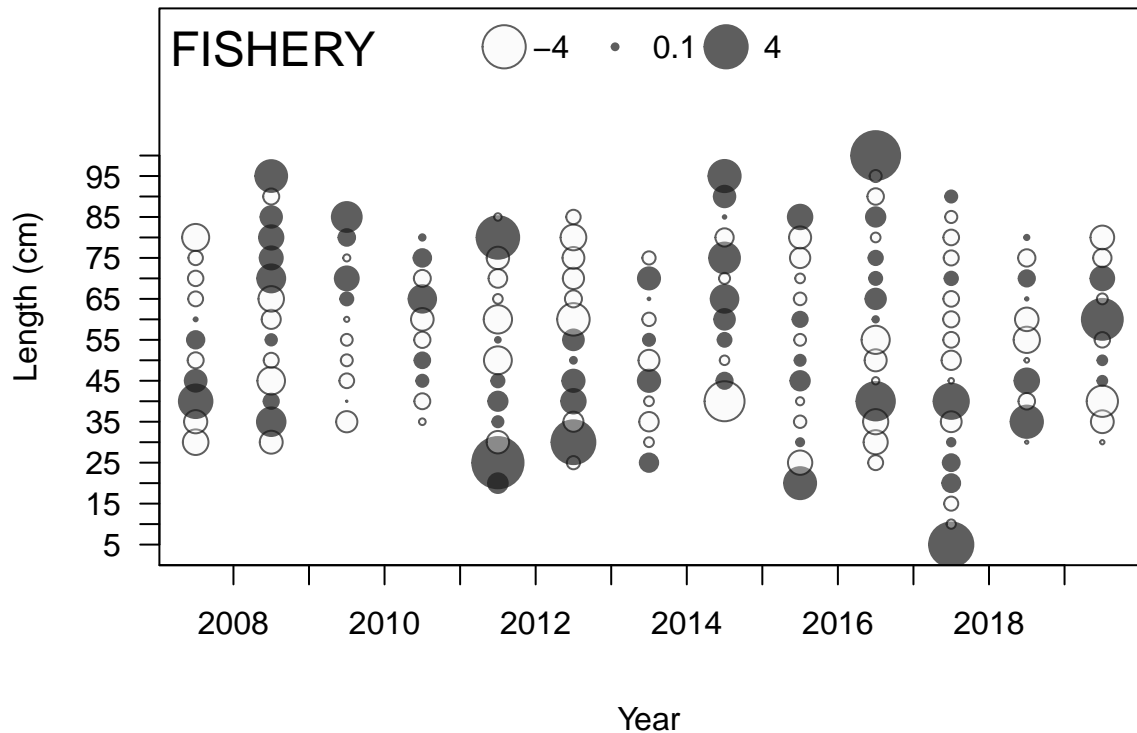
FISHERY (whole catch)



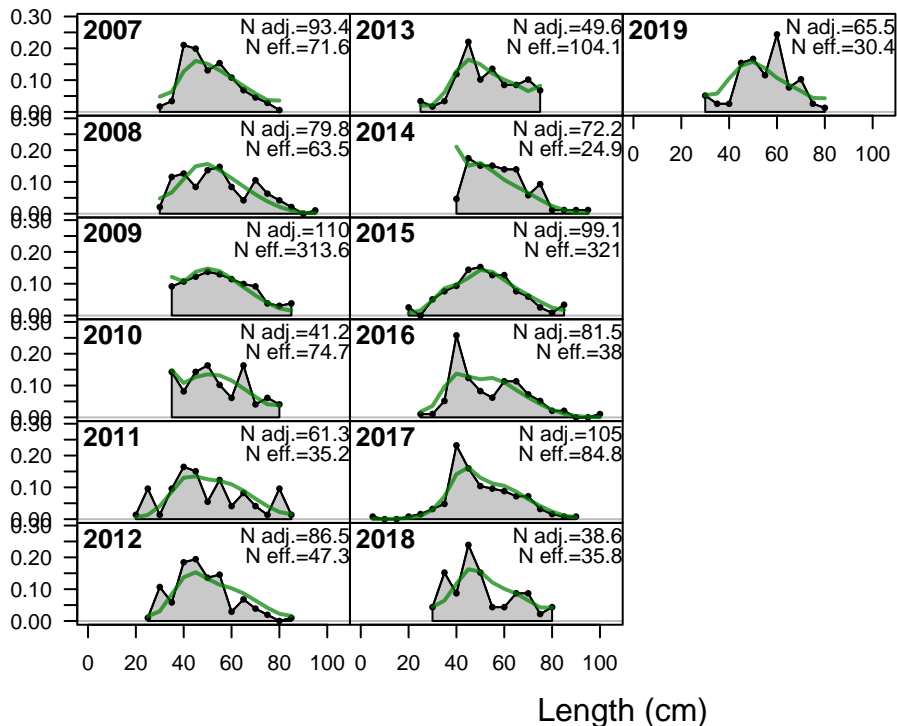
# FISHERY

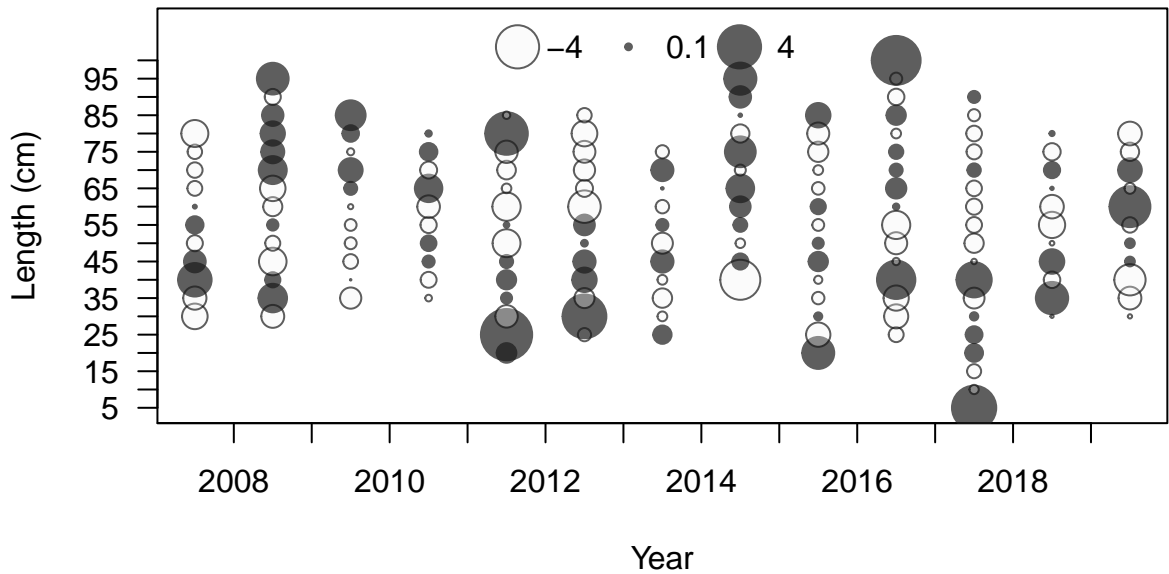
Sum of N adj.=983.8  
Sum of N eff.=1245





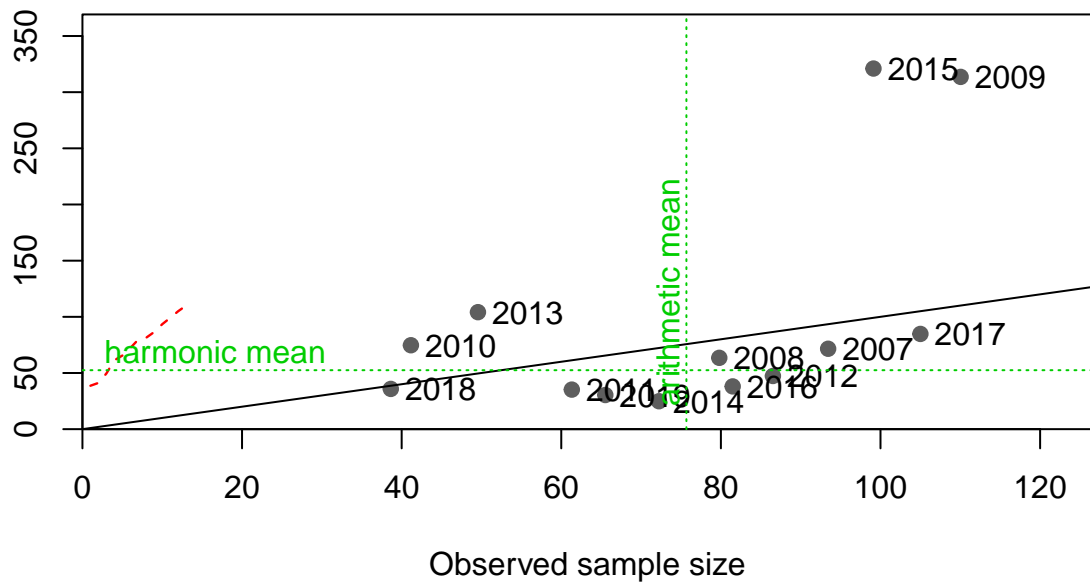
Proportion



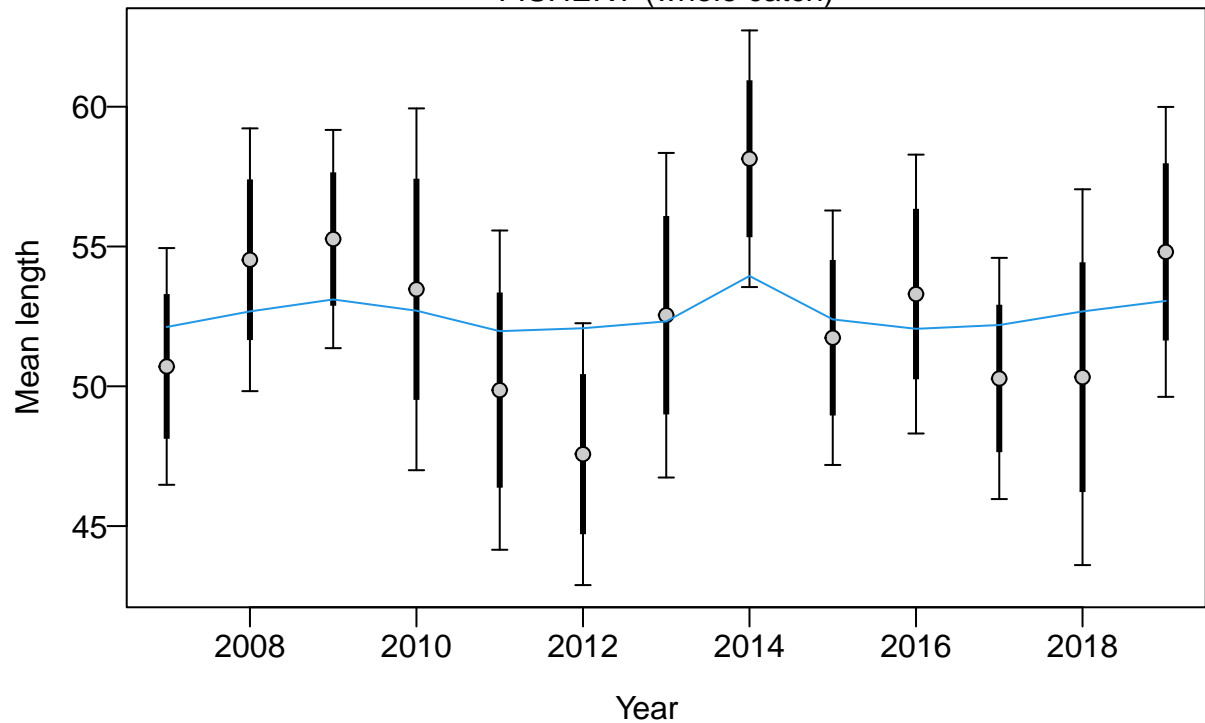


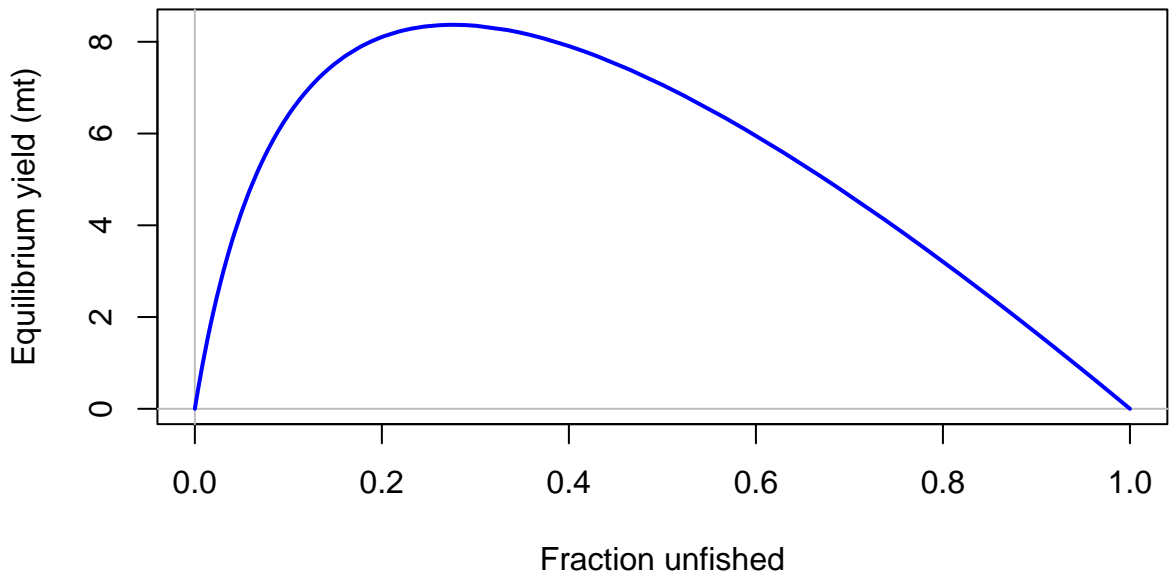


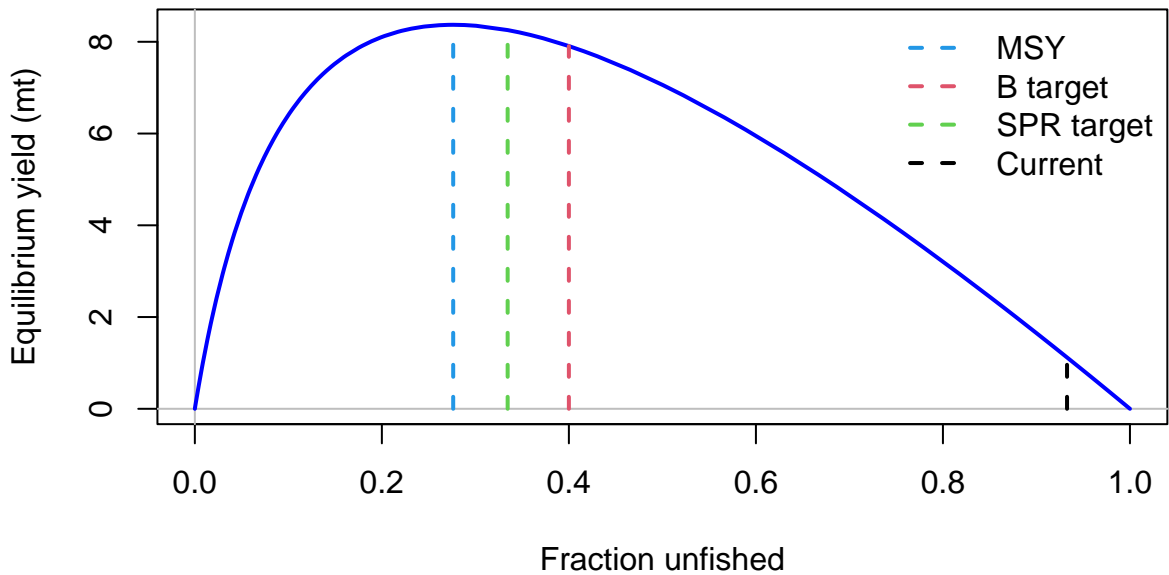
Effective sample size

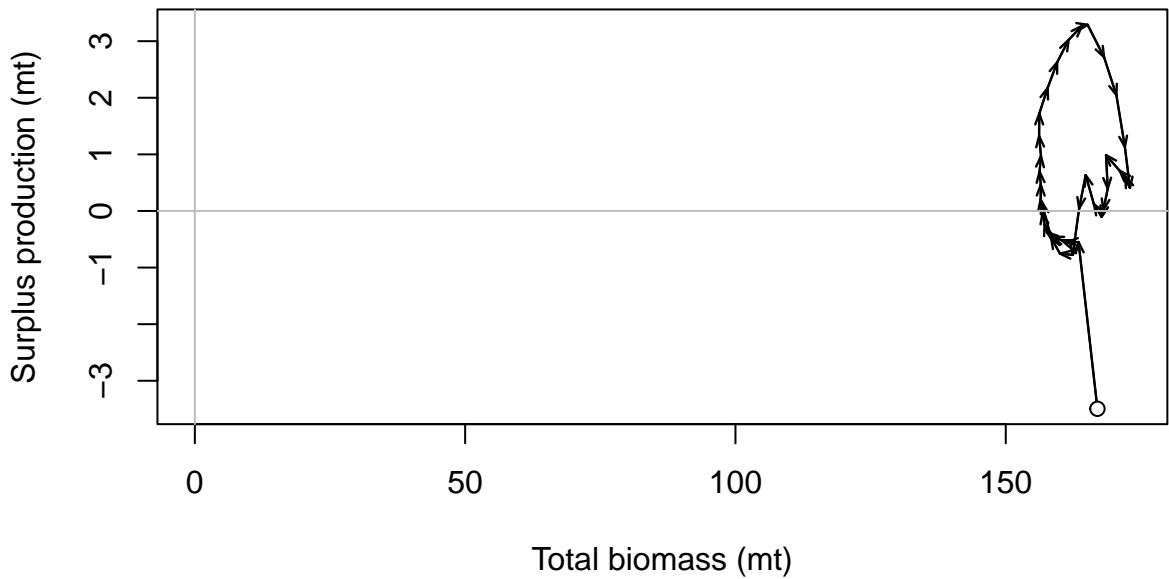


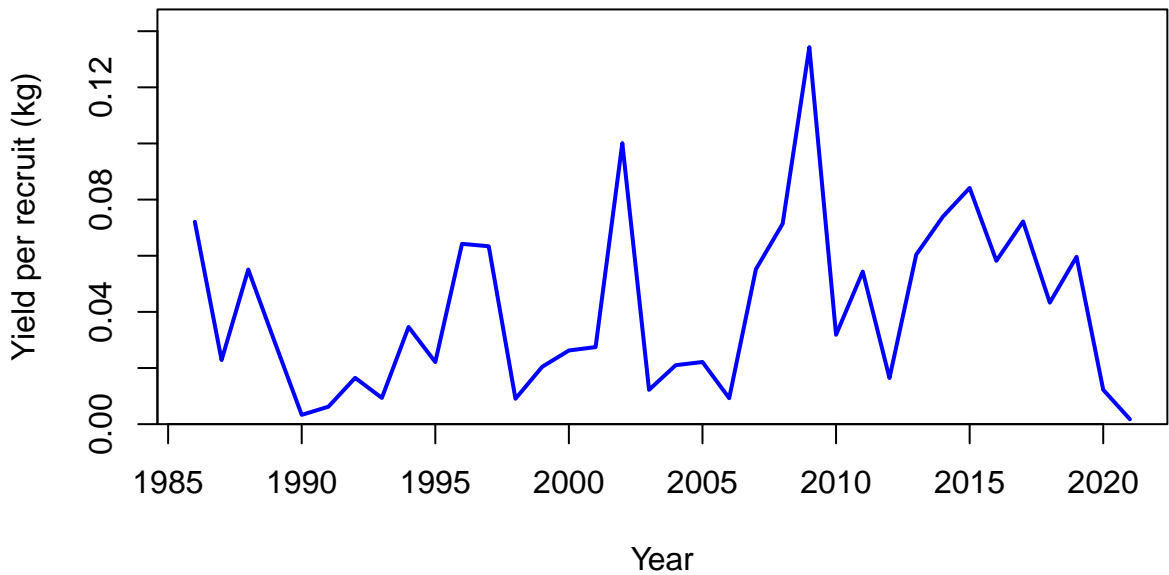
FISHERY (whole catch)

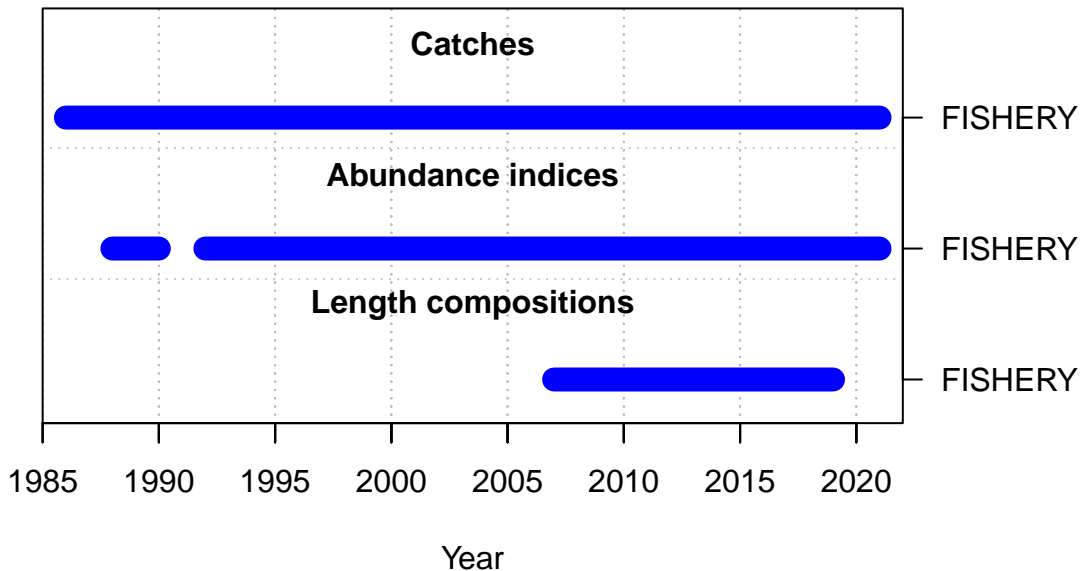


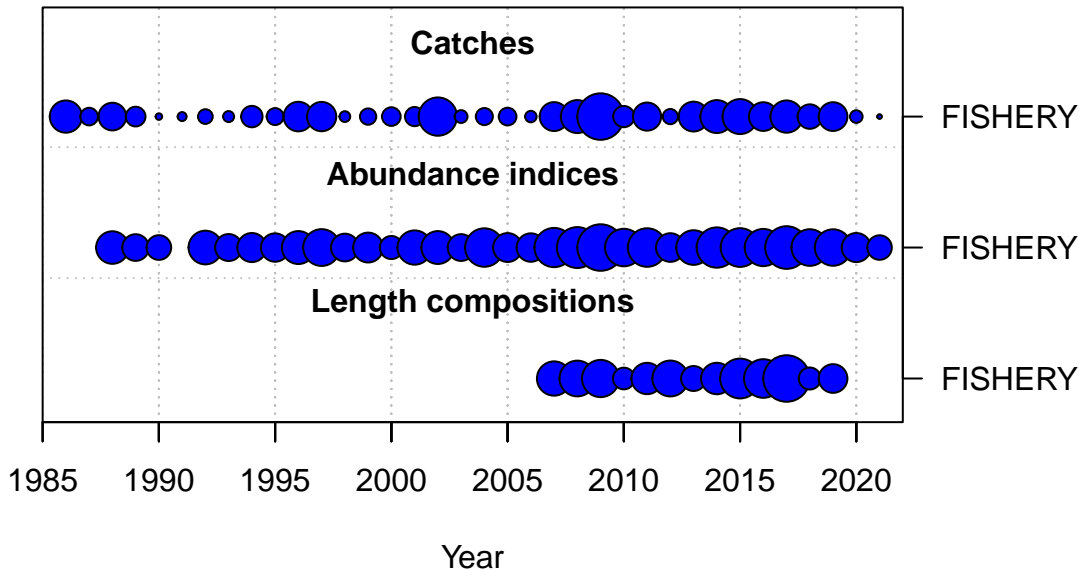






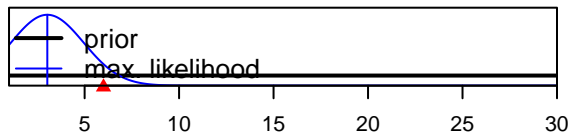




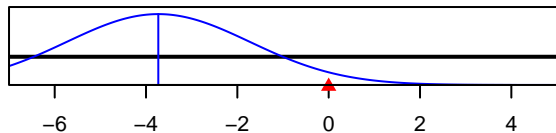




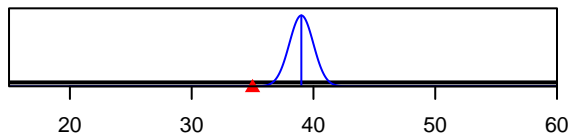
SR\_LN(R0)



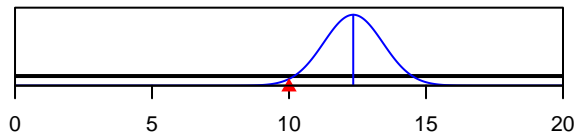
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value