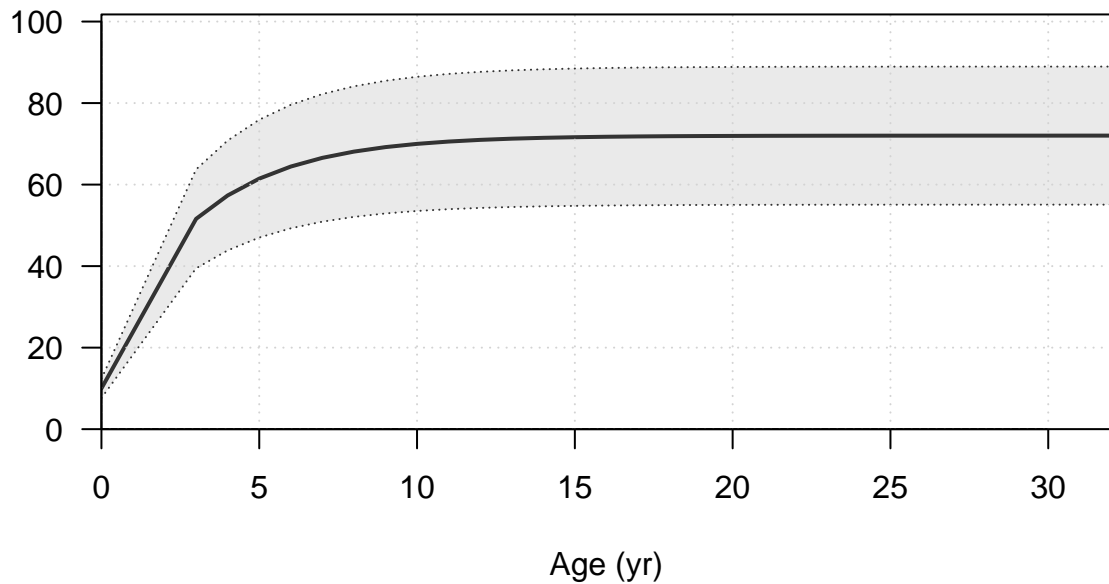
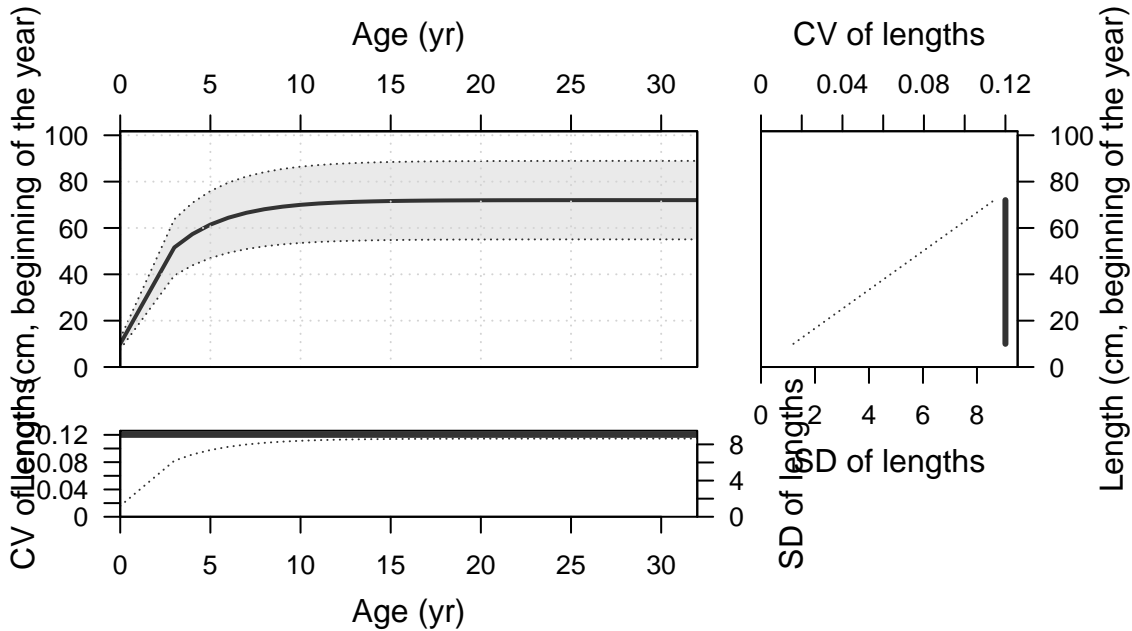
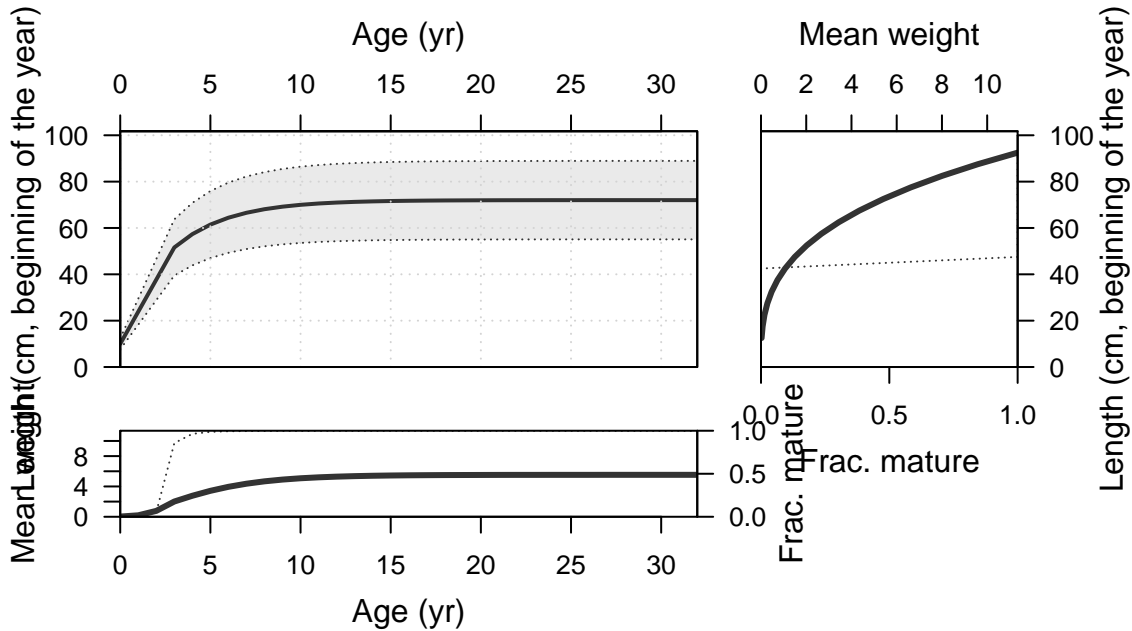


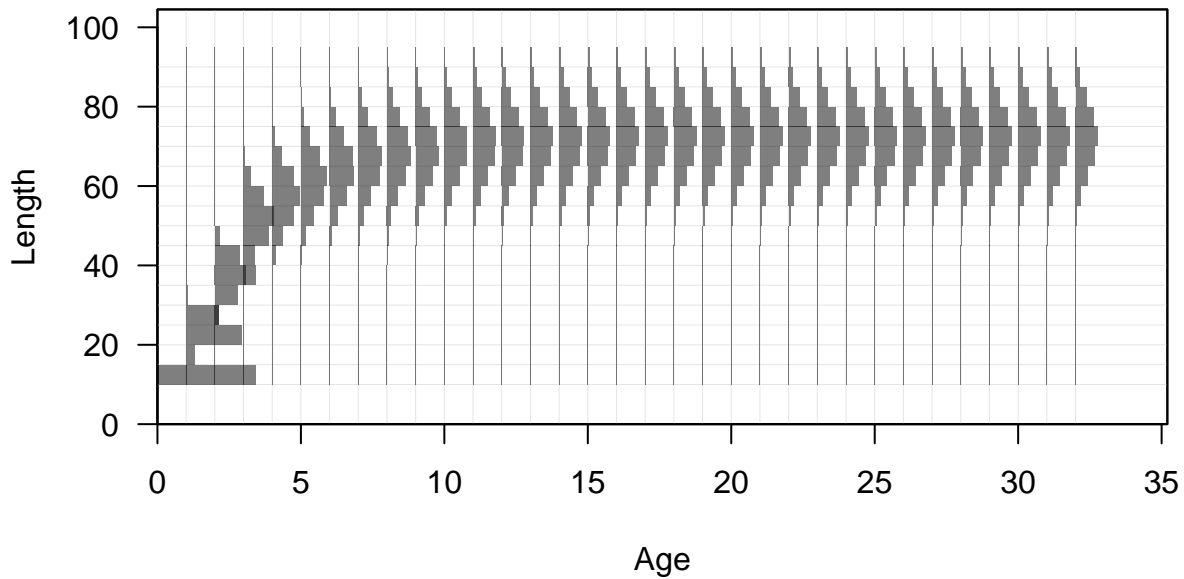
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Thu Jun 16 15:55:29 2022  
Data\_File: data.ss  
Control\_File: control.ss

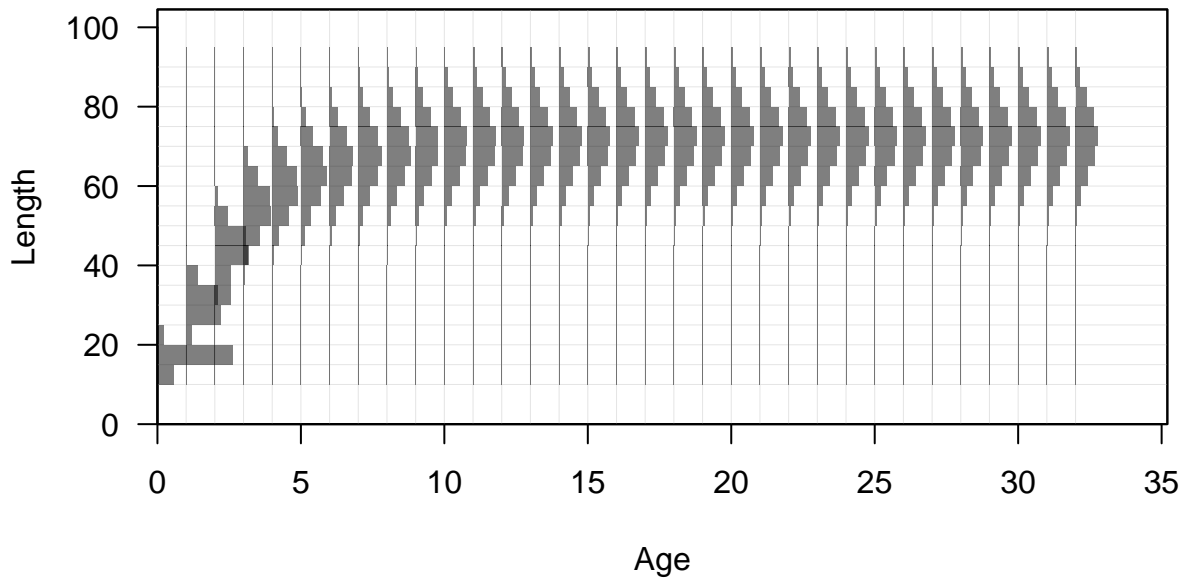
Length (cm, beginning of the year)

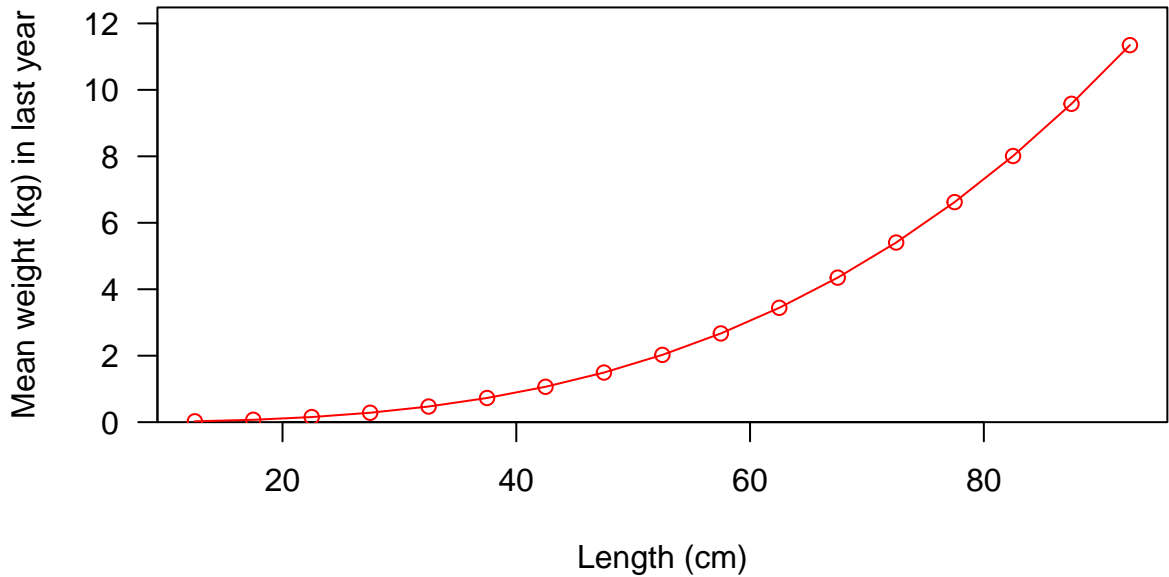


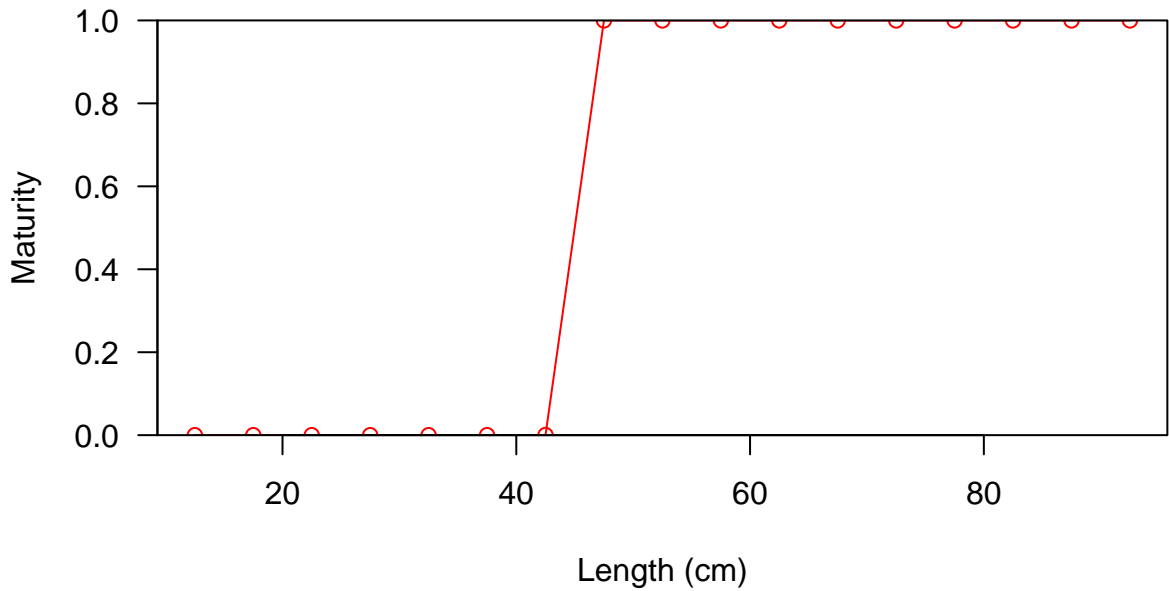




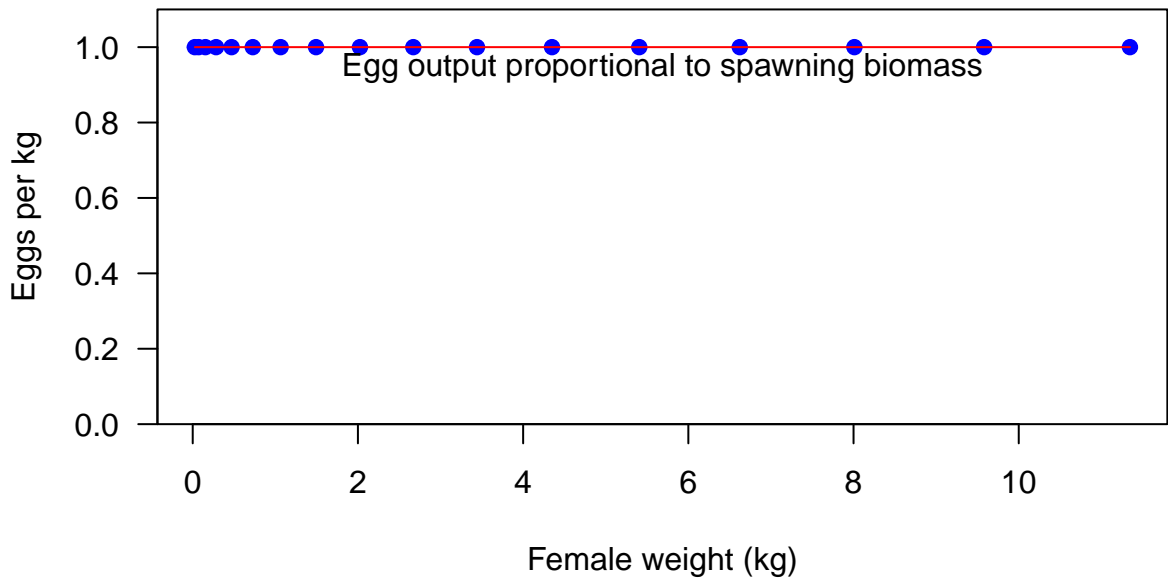




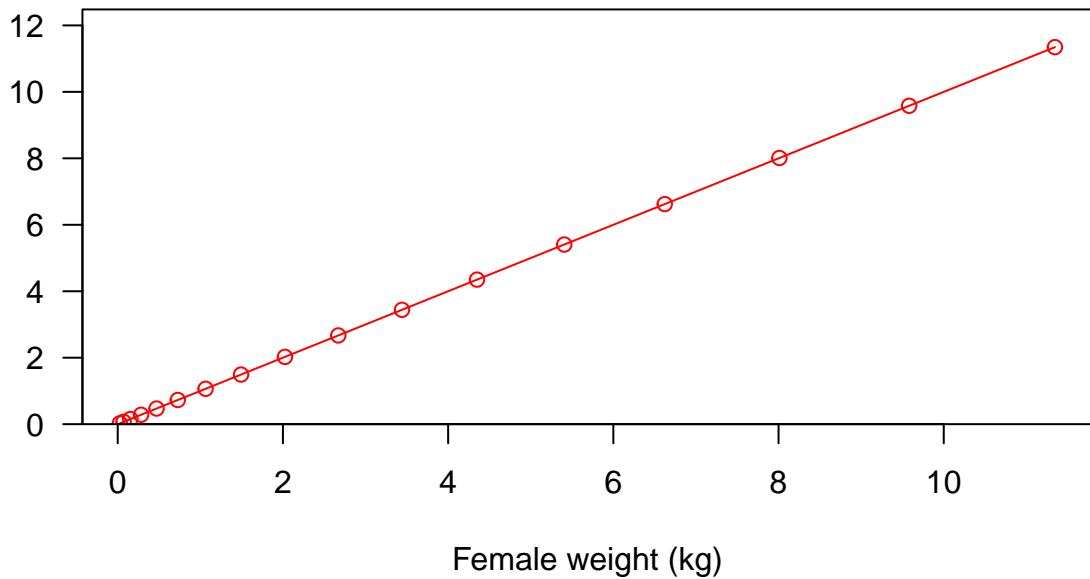




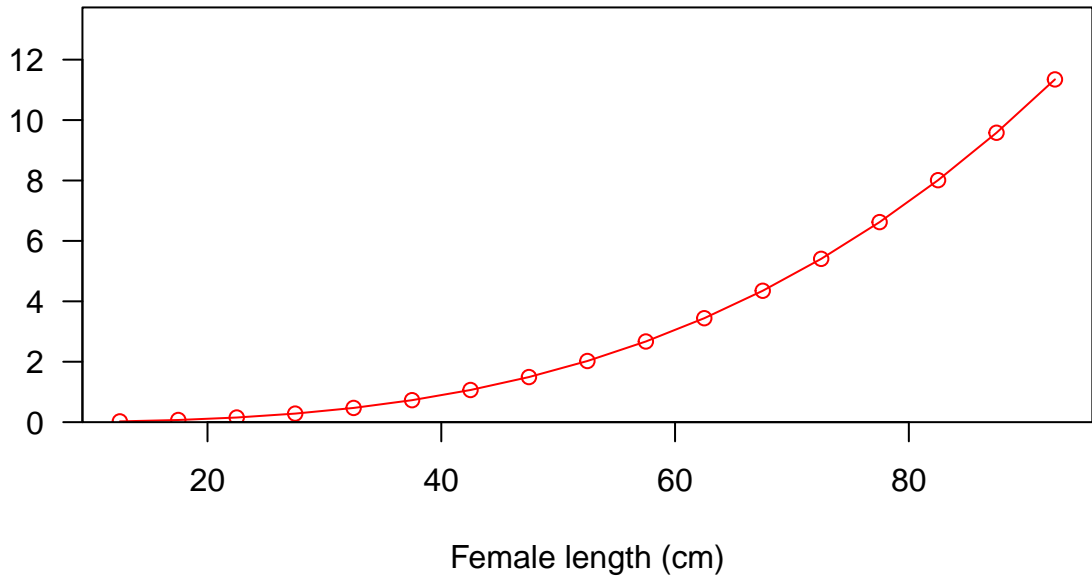




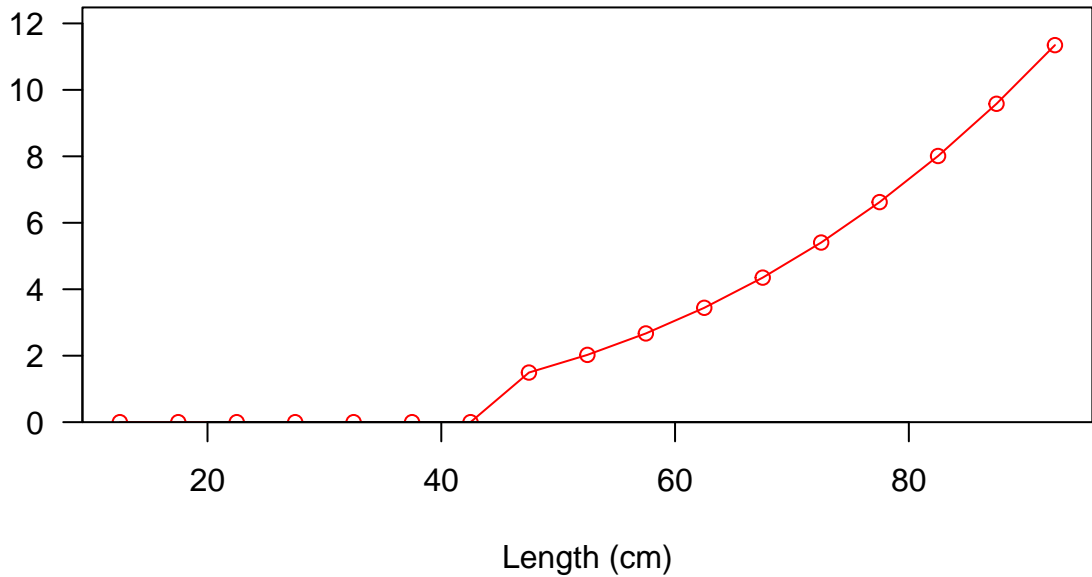
Fecundity

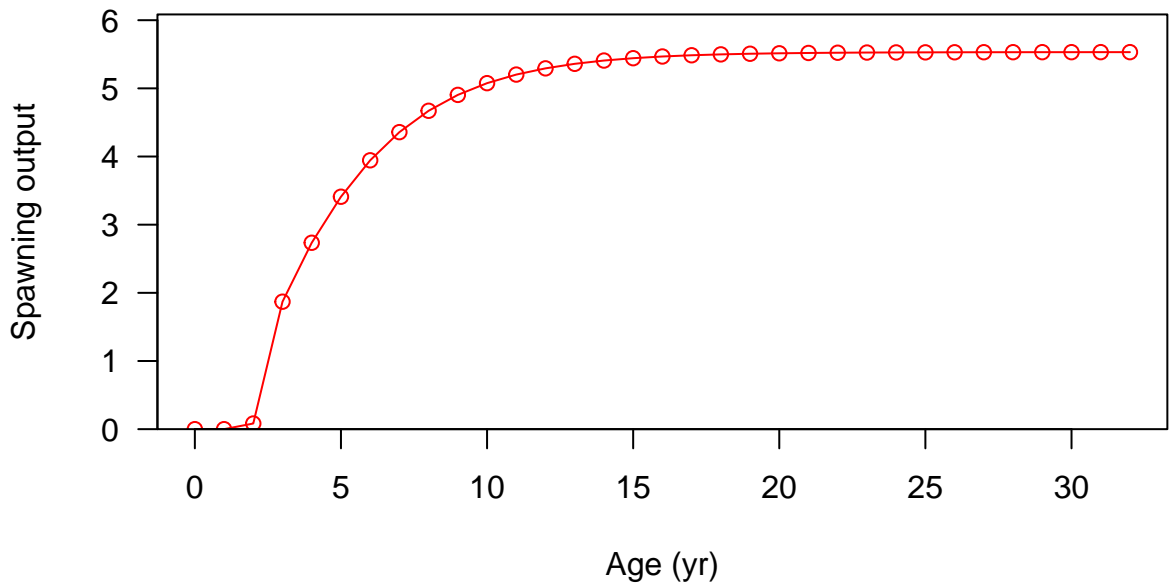


Fecundity

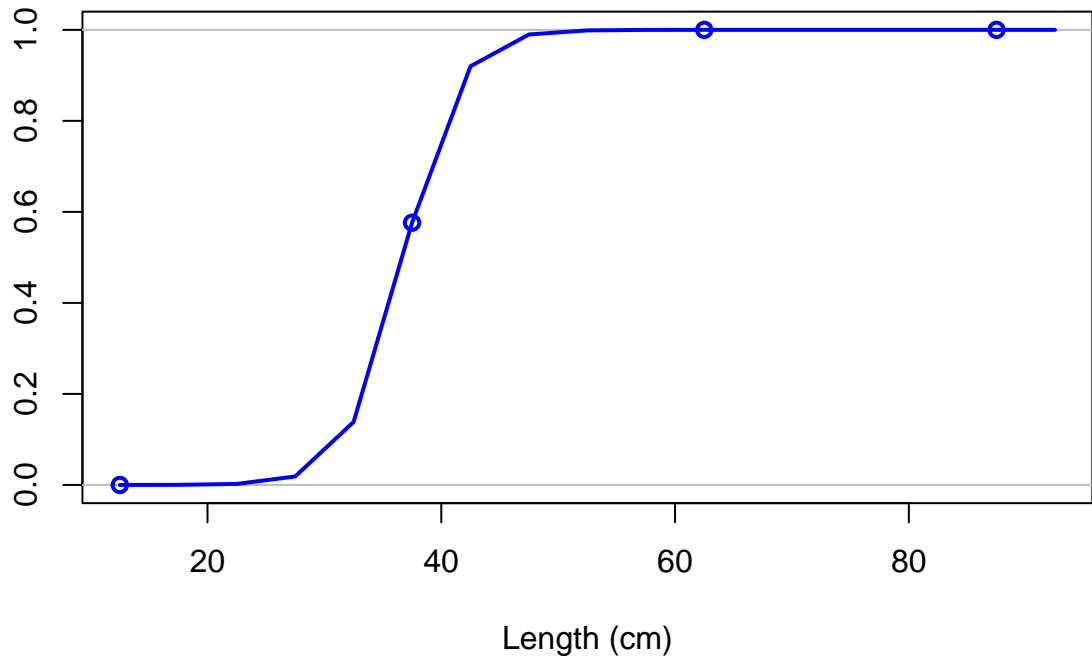


Spawning output

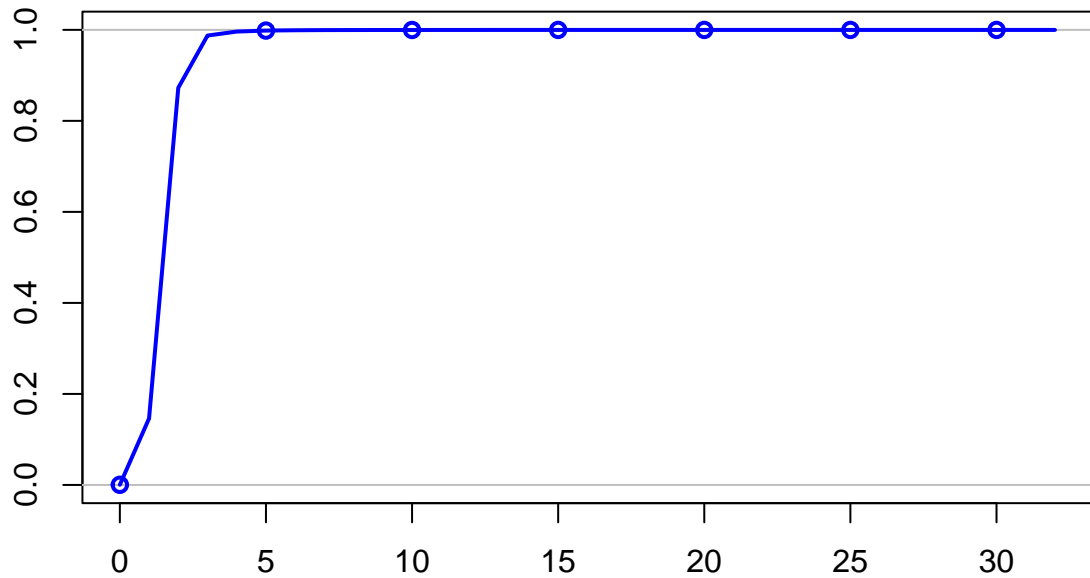




Selectivity

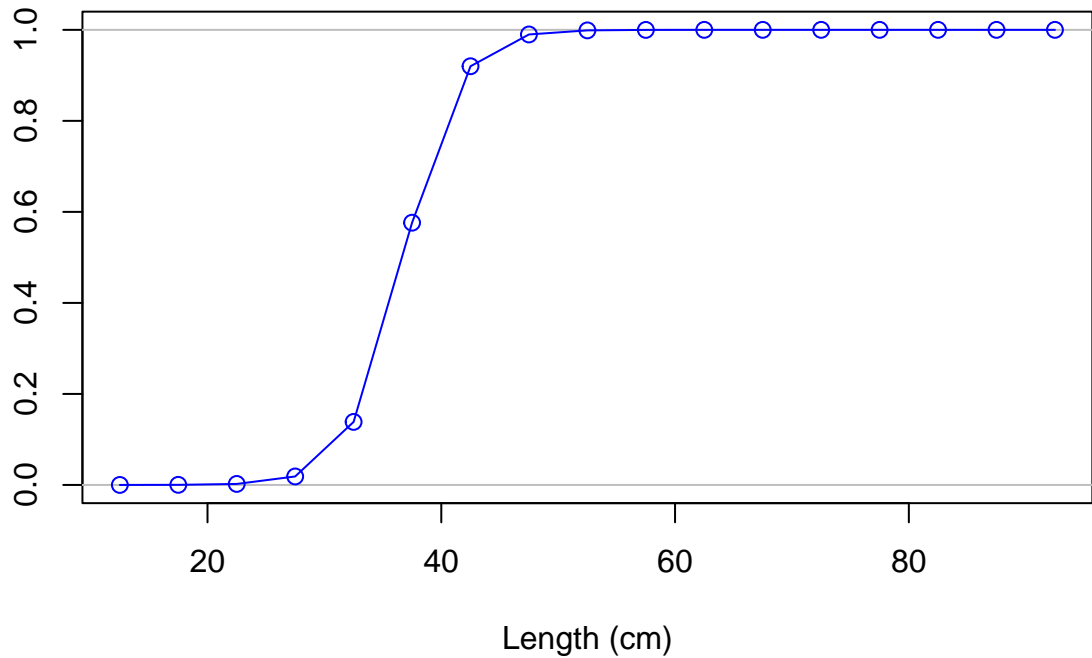


Selectivity

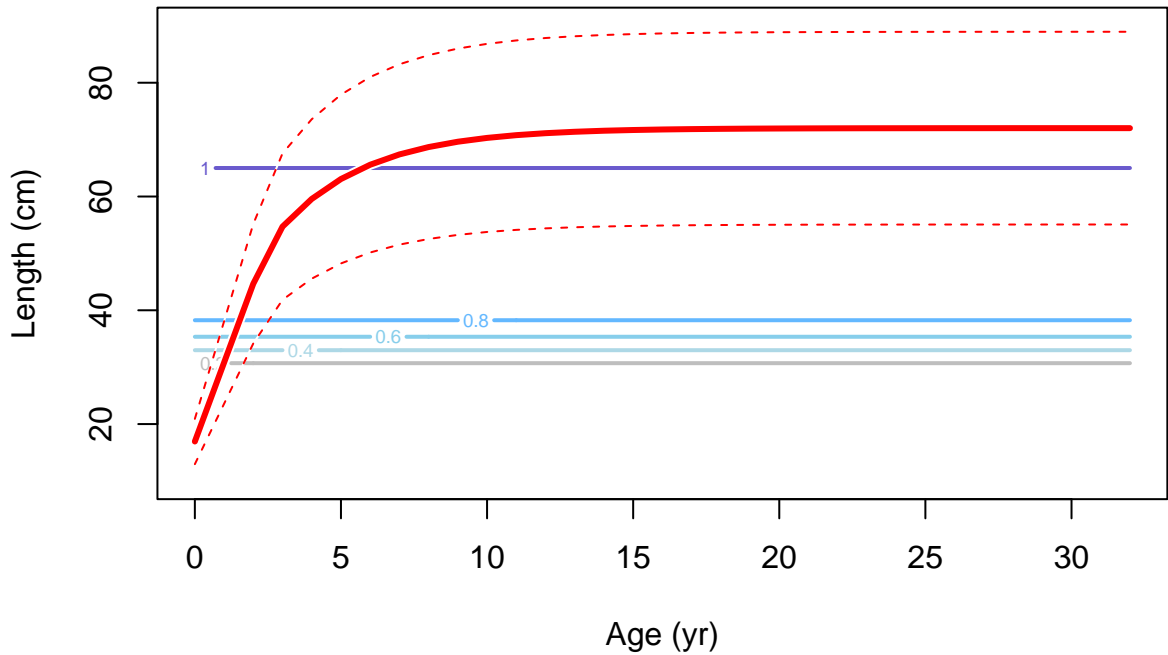


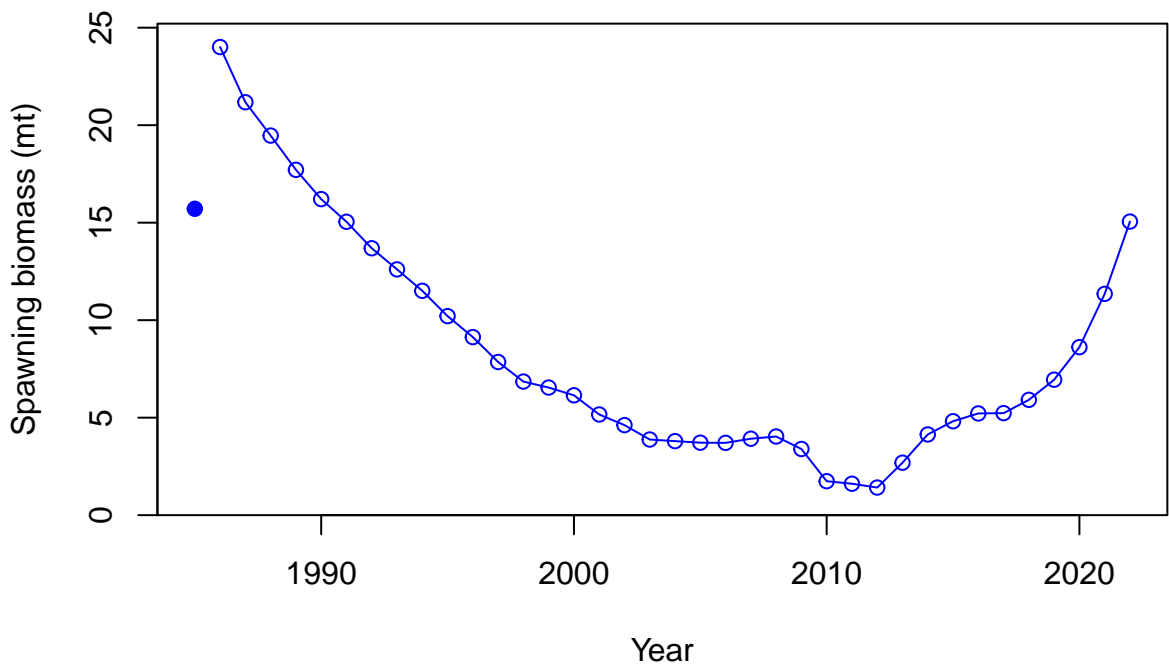
Age (yr)

Selectivity

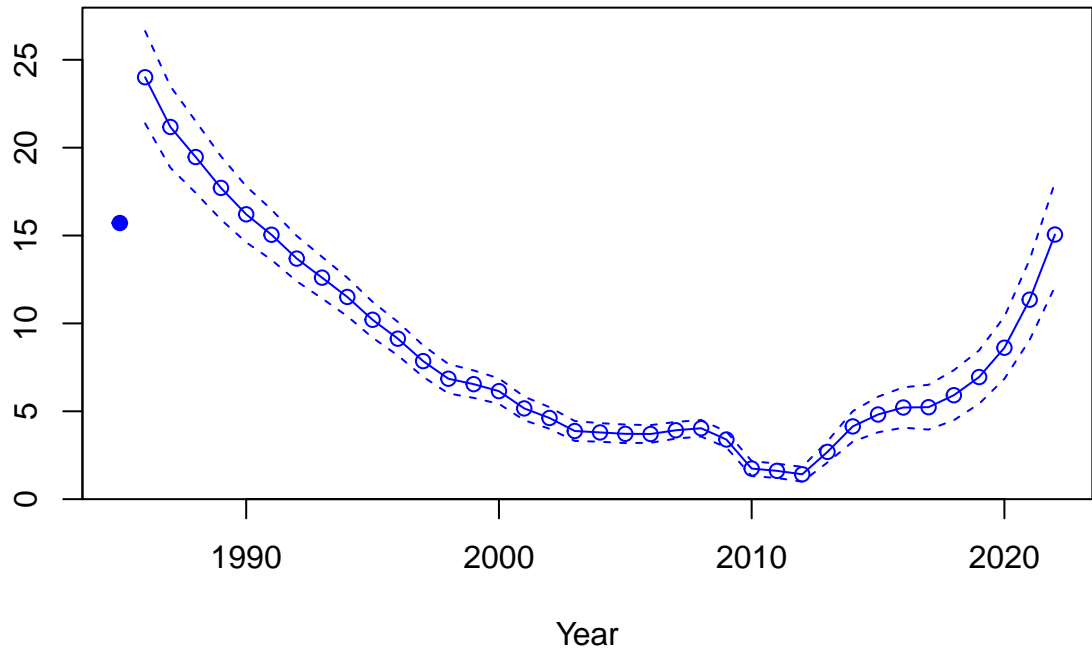




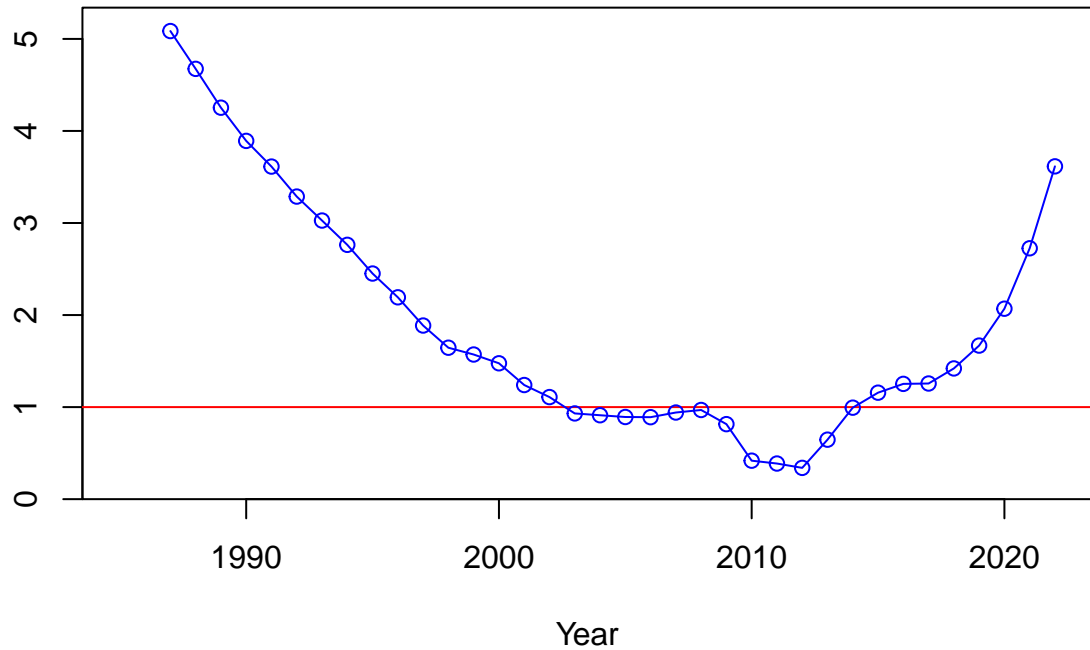




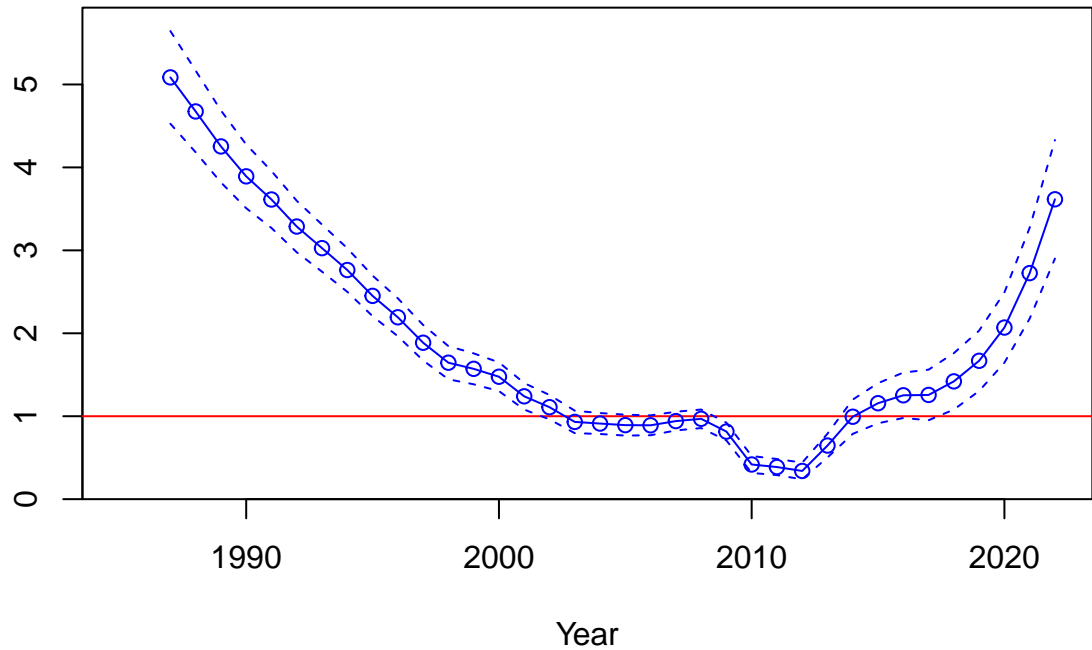
Spawning biomass (mt)

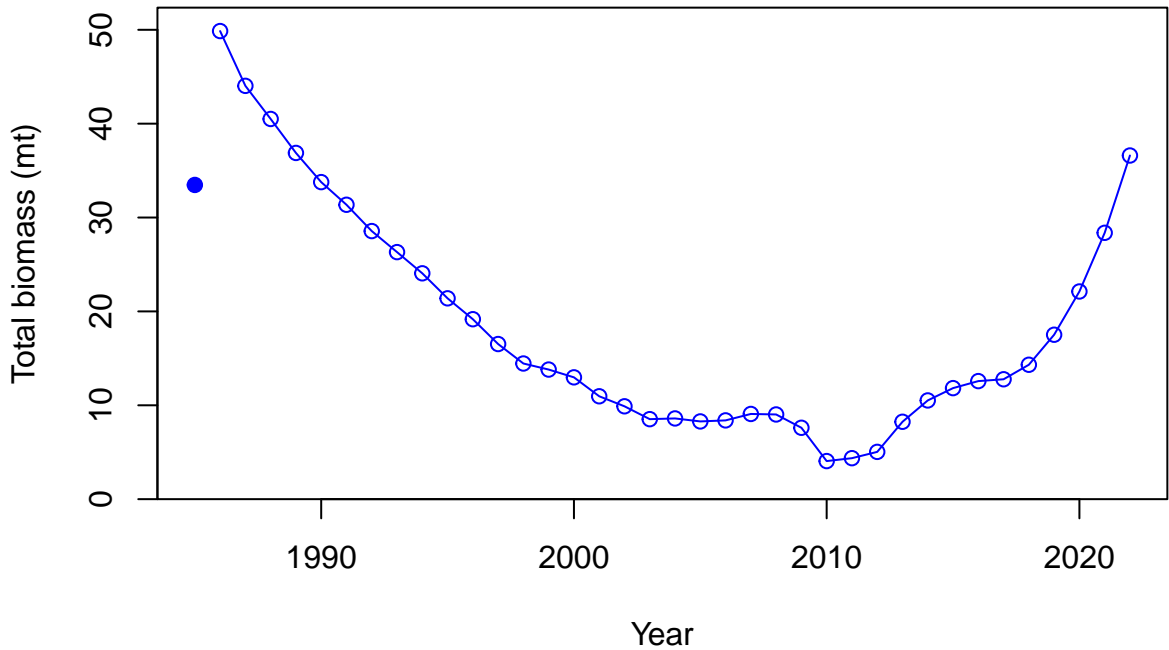


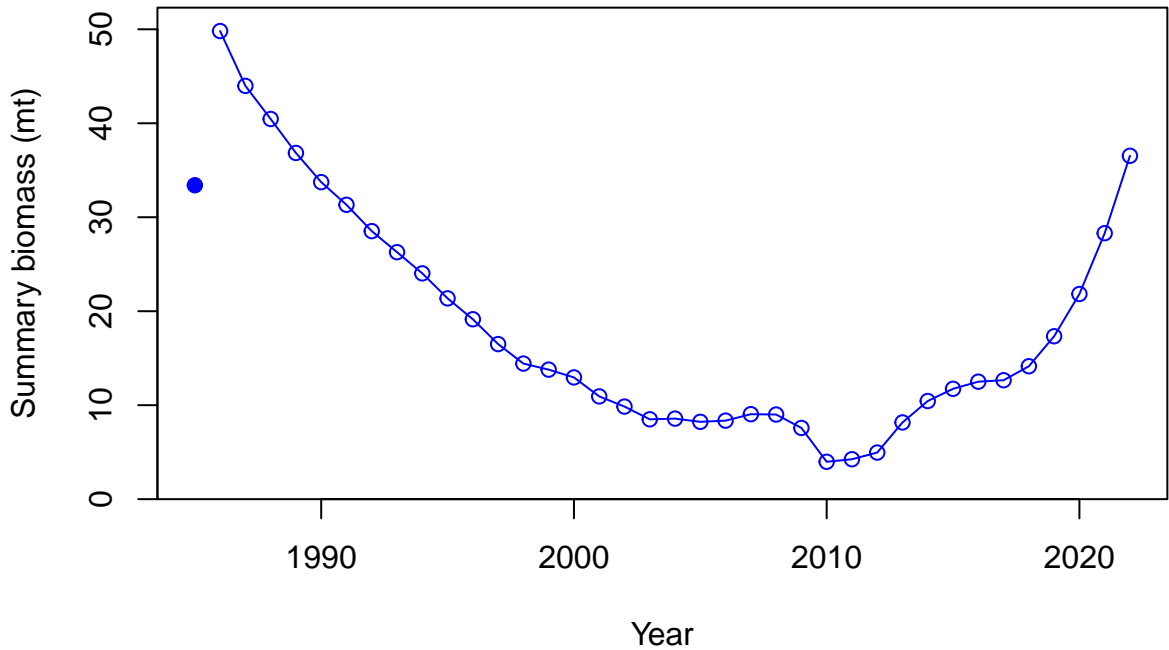
Relative spawning biomass:  $B/B_{MSY}$

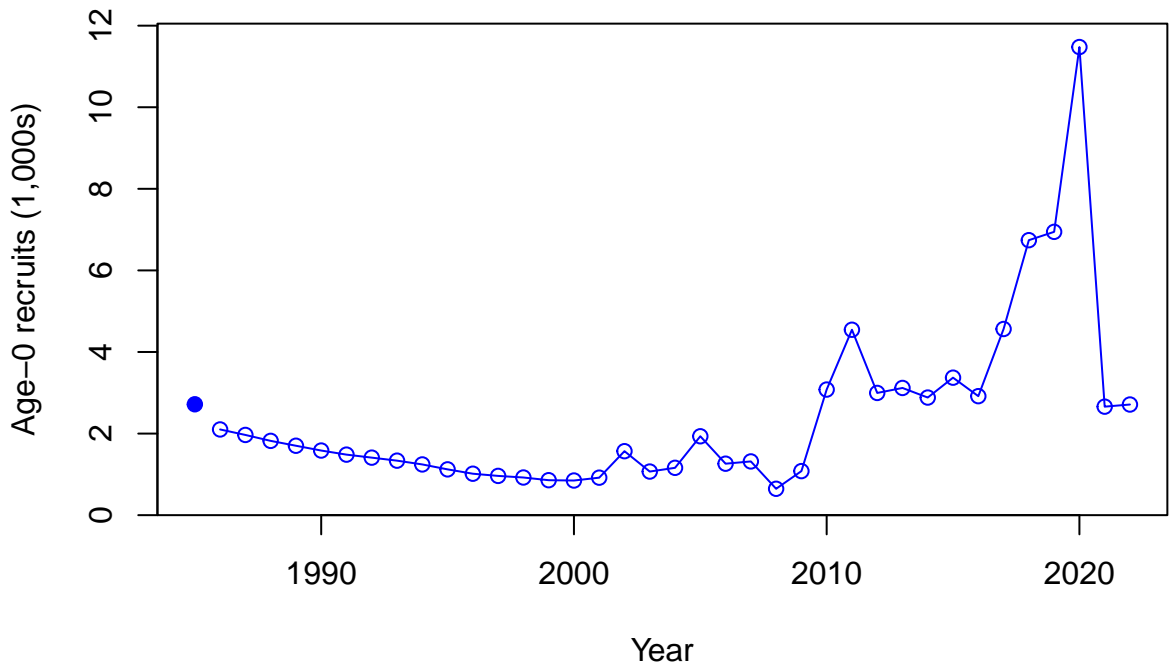


Relative spawning biomass:  $B/B_{MSY}$

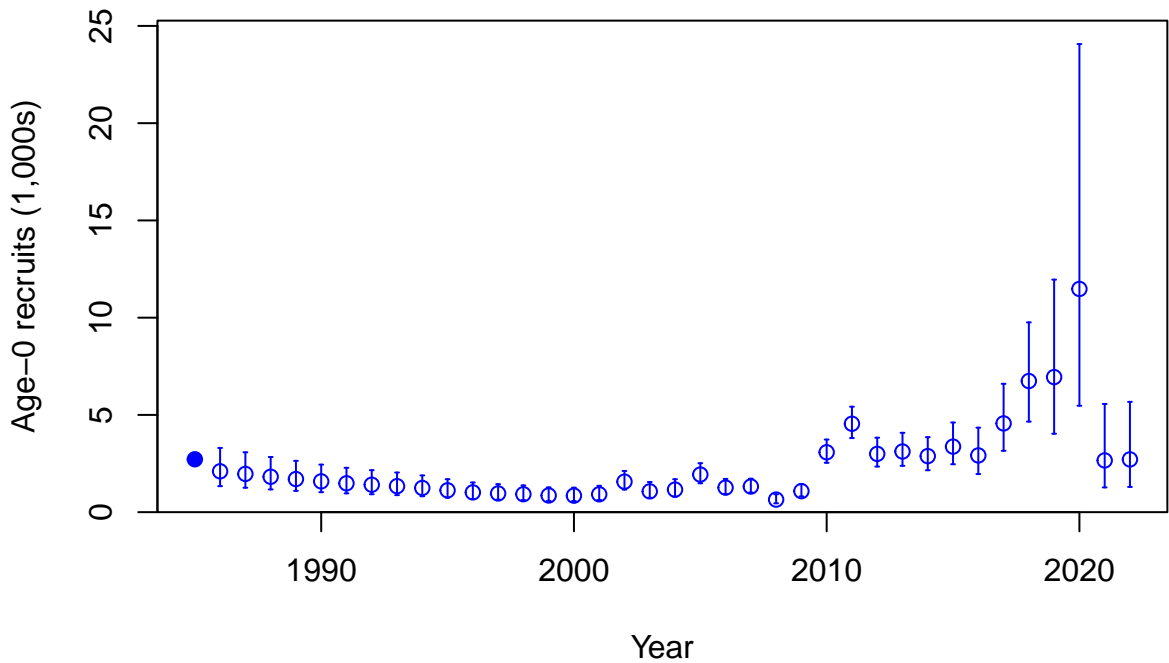




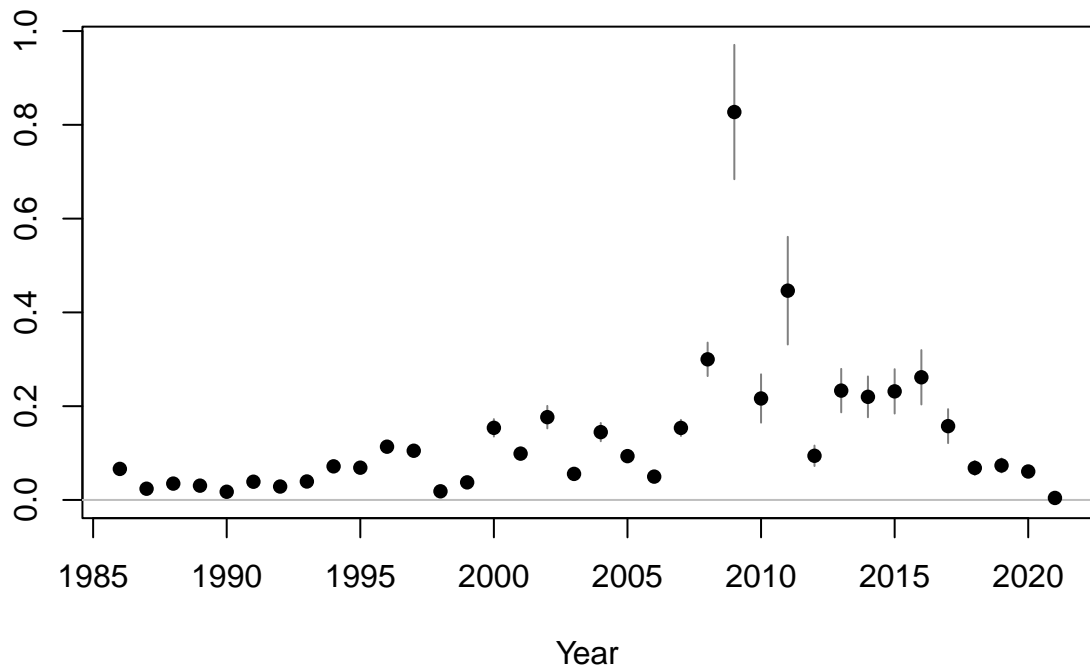


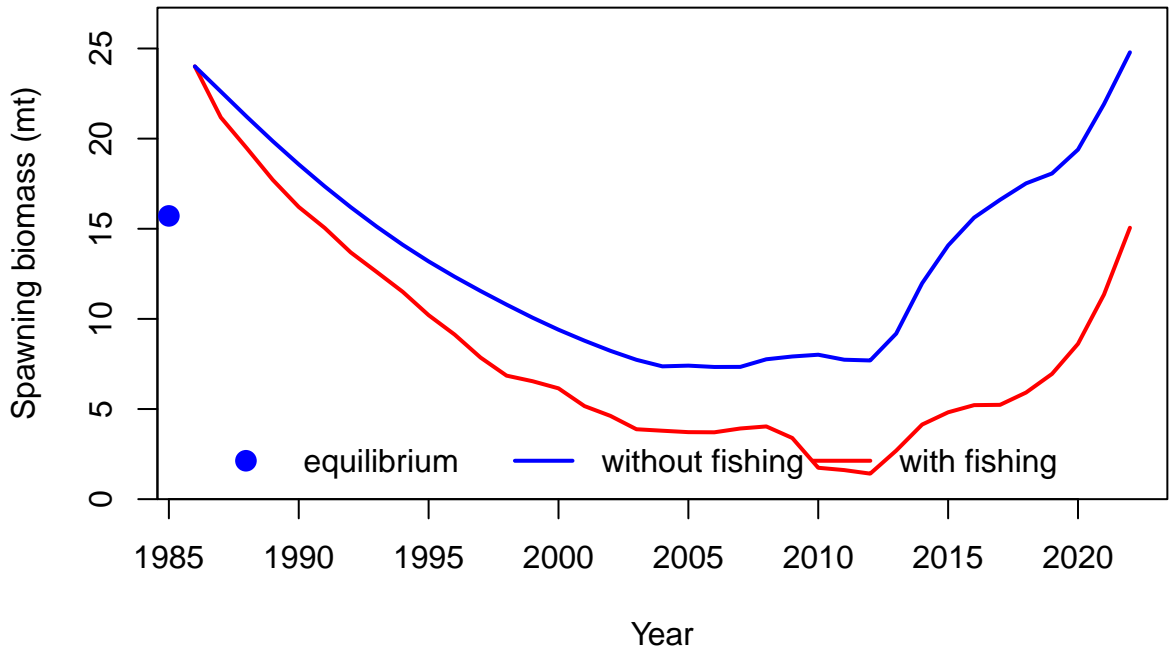




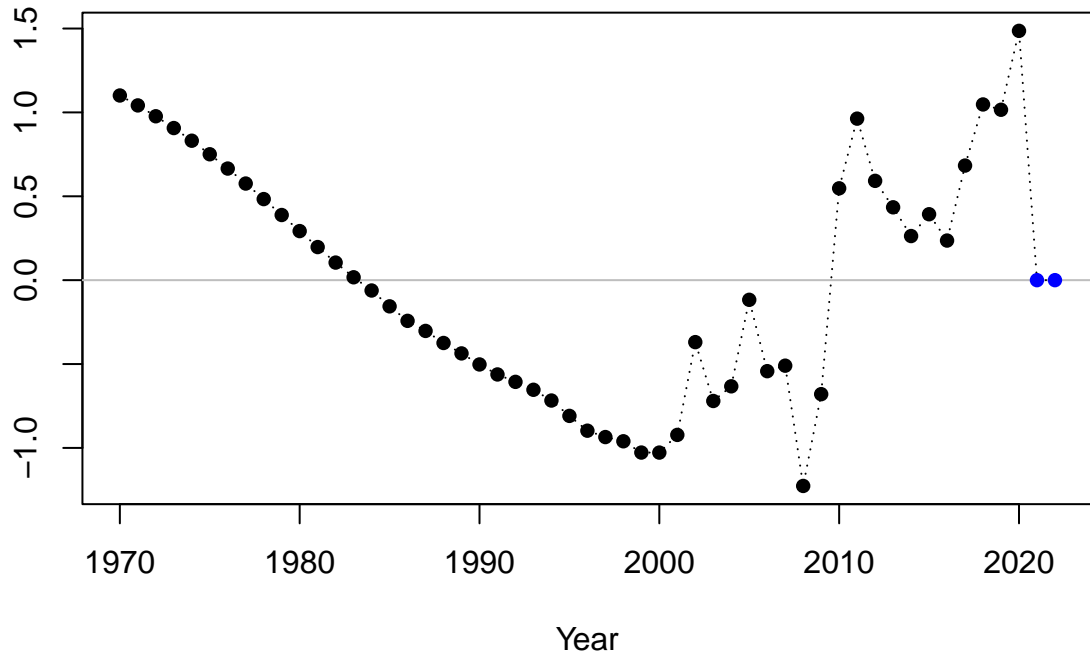


Summary Fishing Mortality

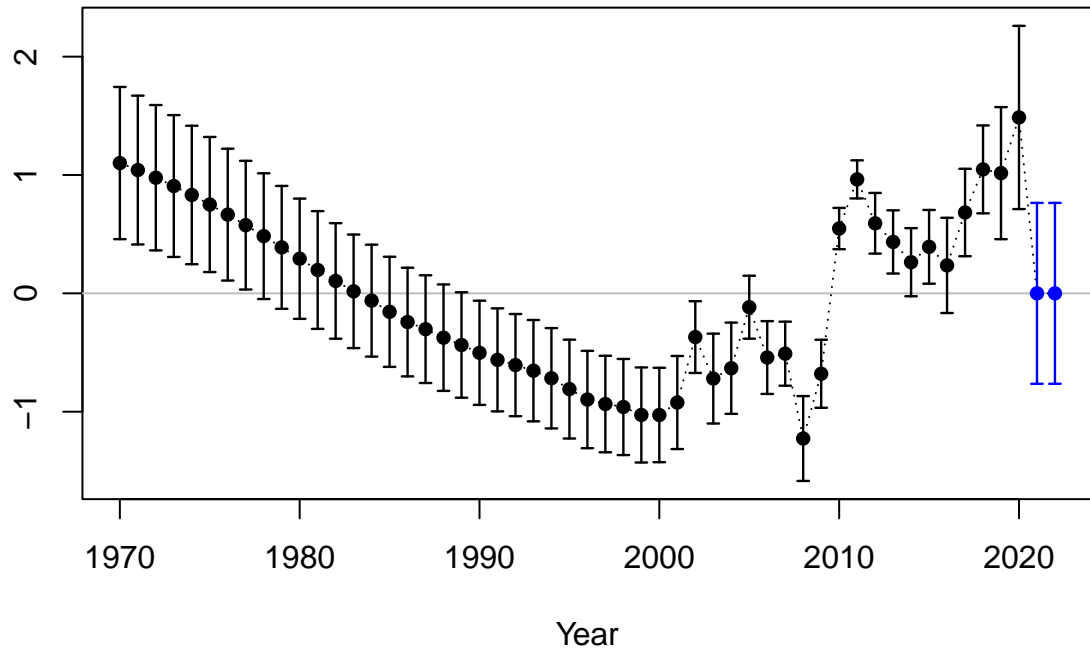




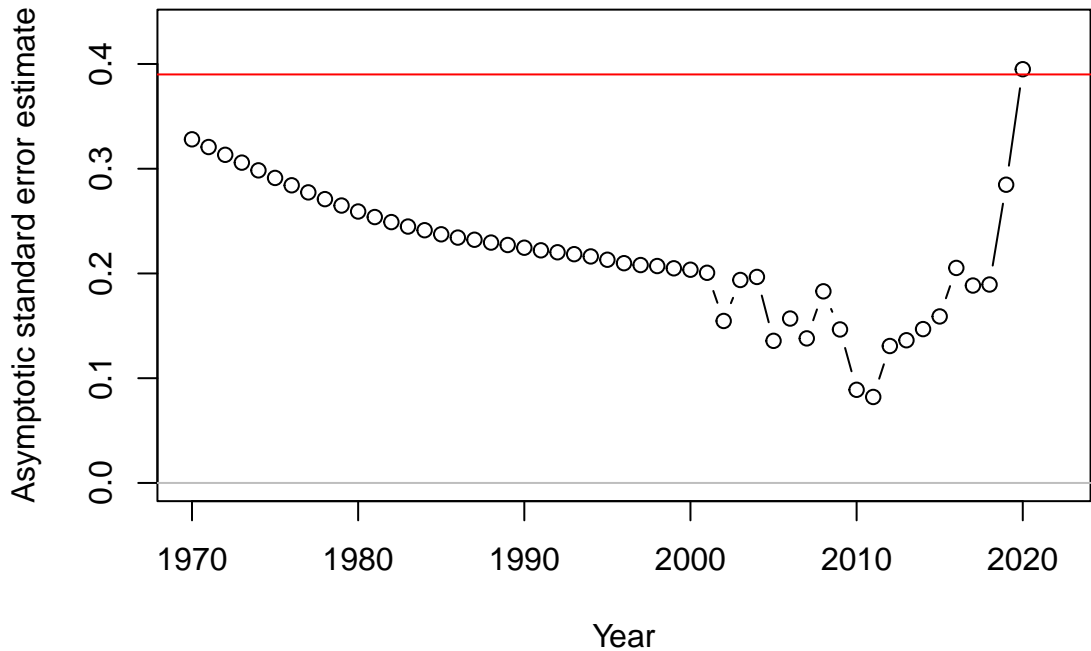
Log recruitment deviation

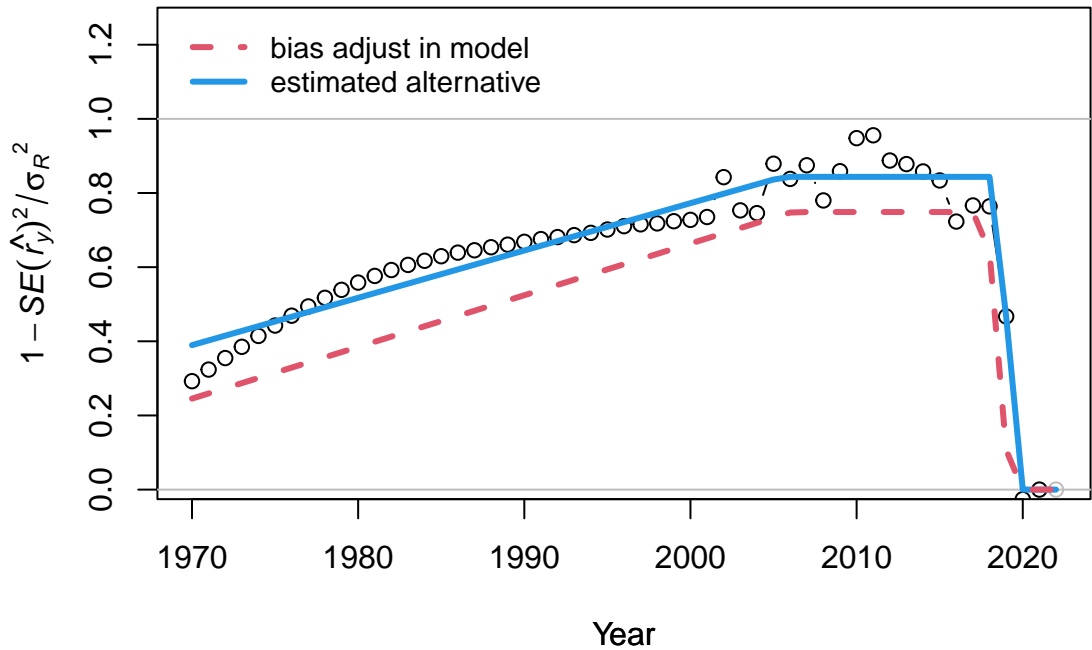


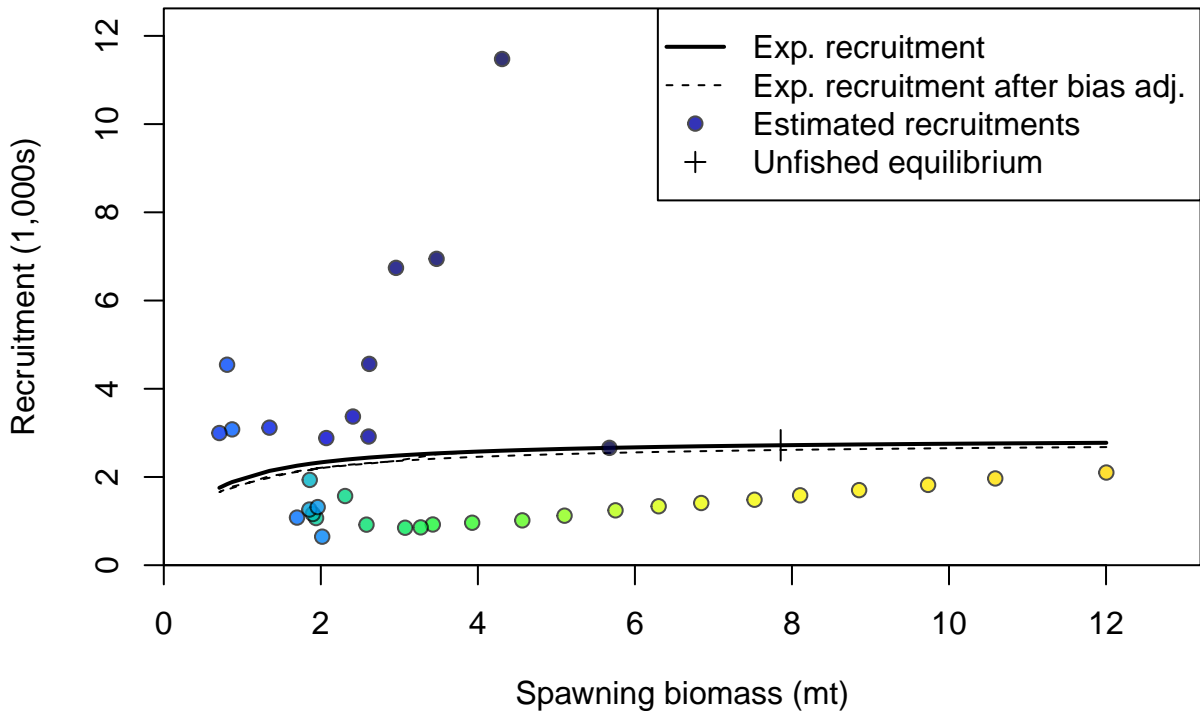
Log recruitment deviation



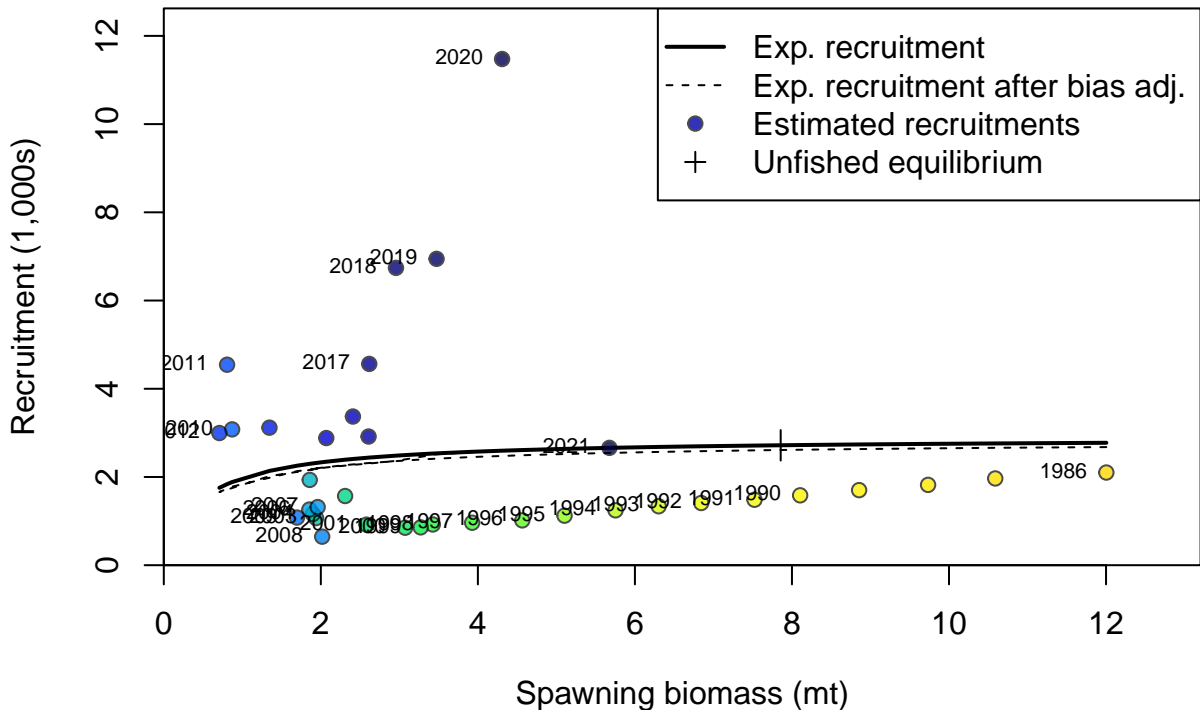
## Recruitment deviation variance



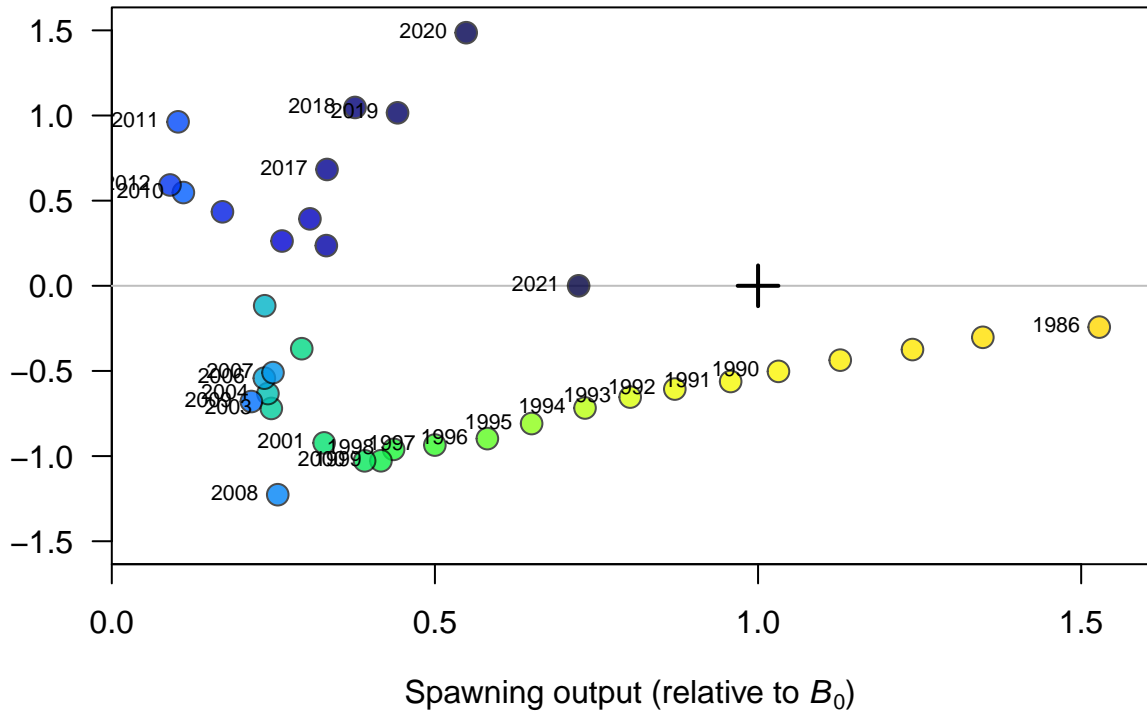


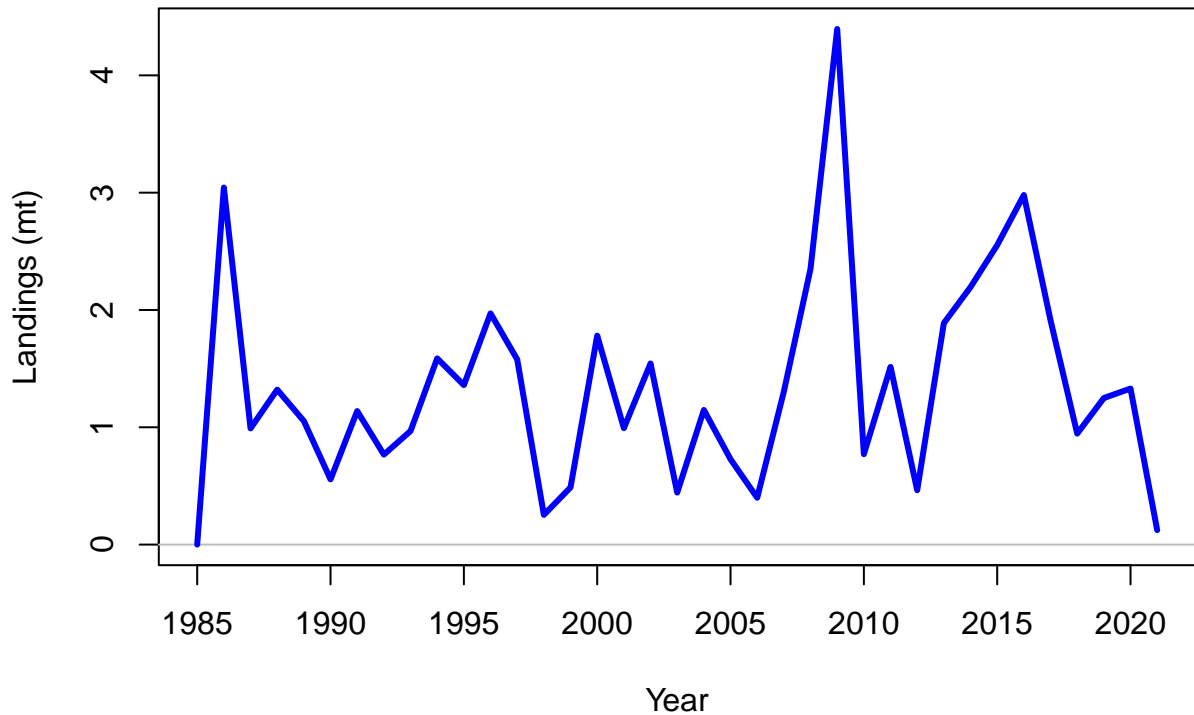


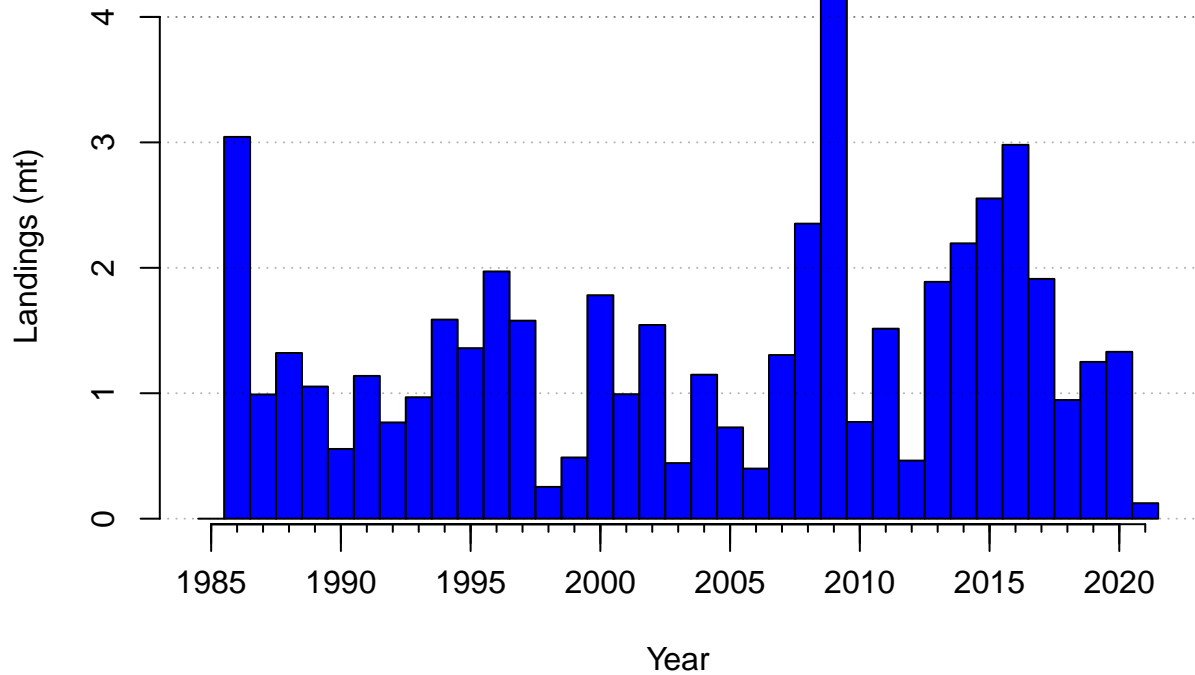


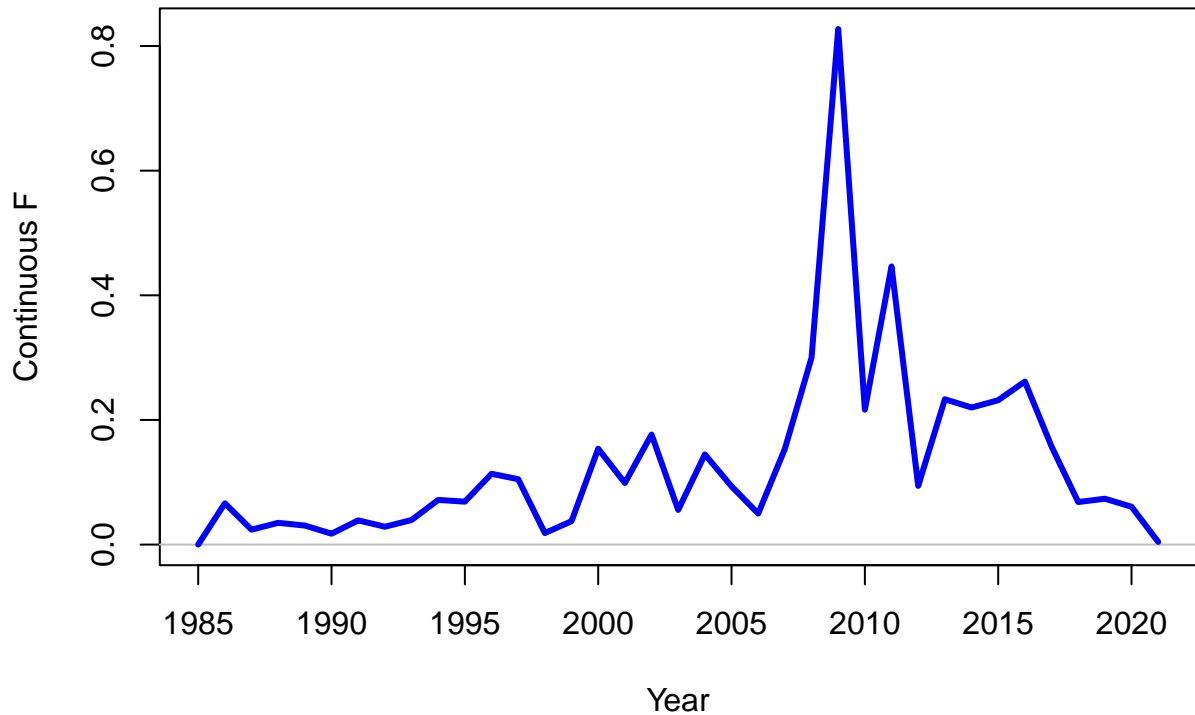


Log recruitment deviation

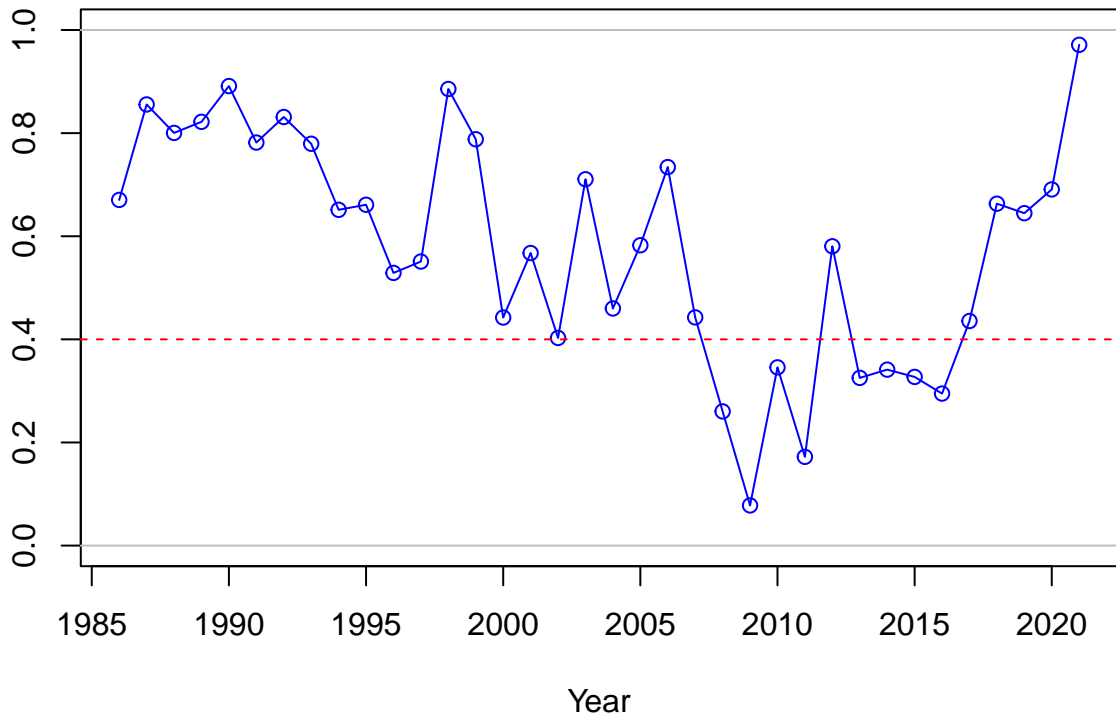




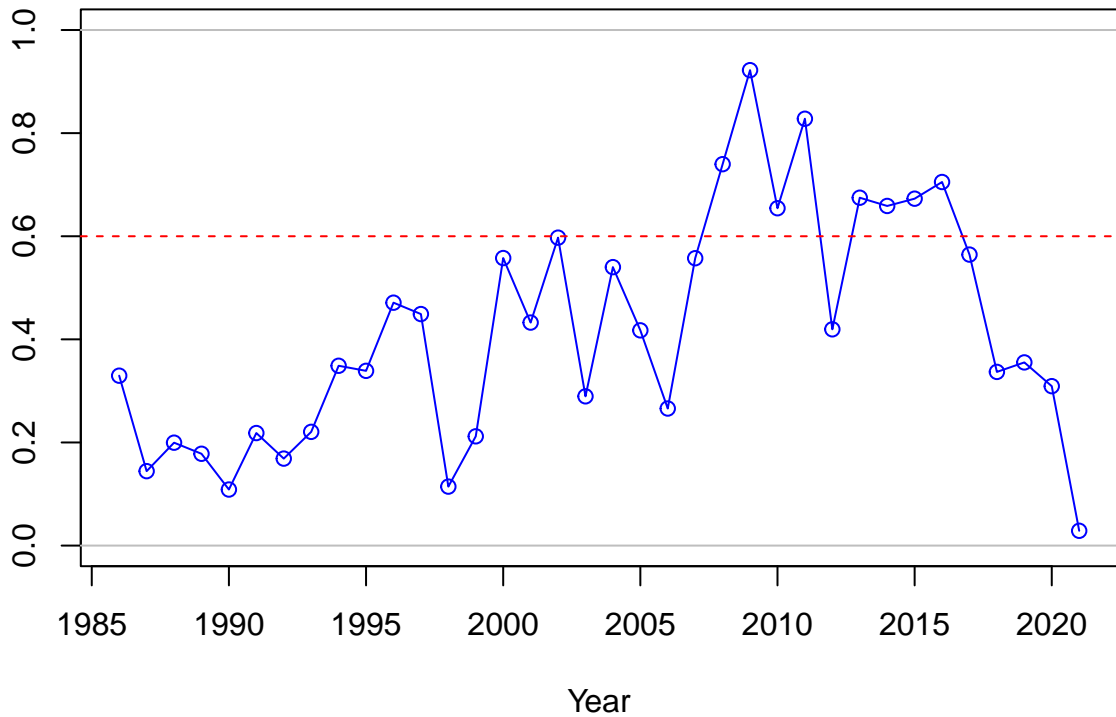




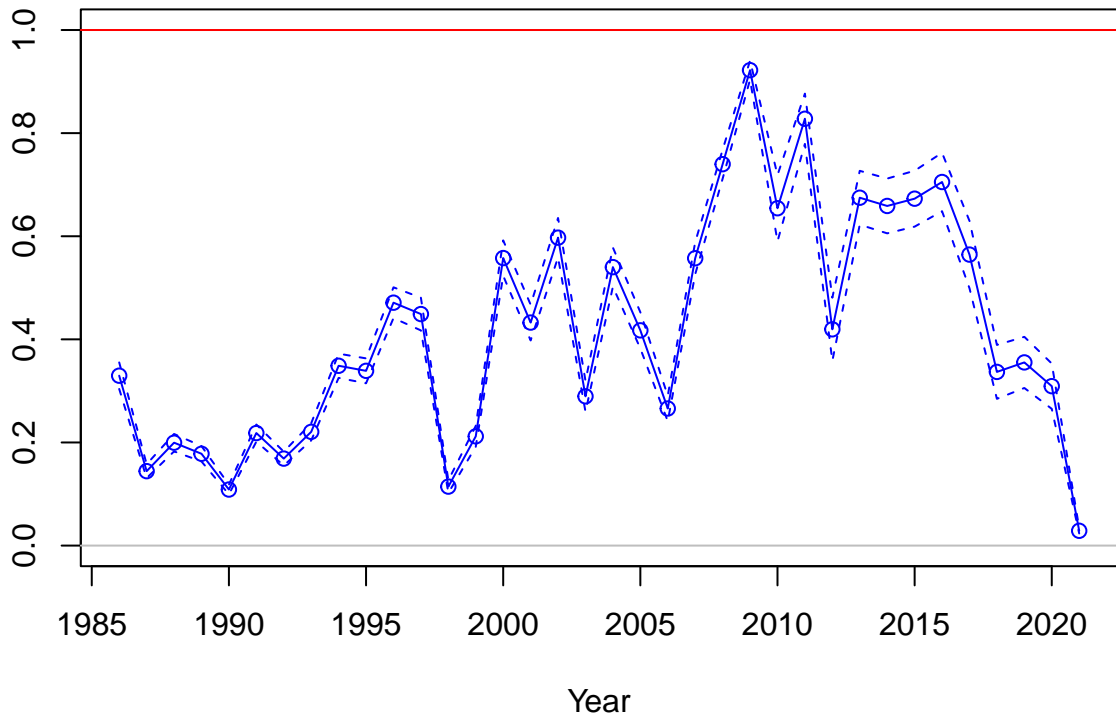
SPR



1-SPR

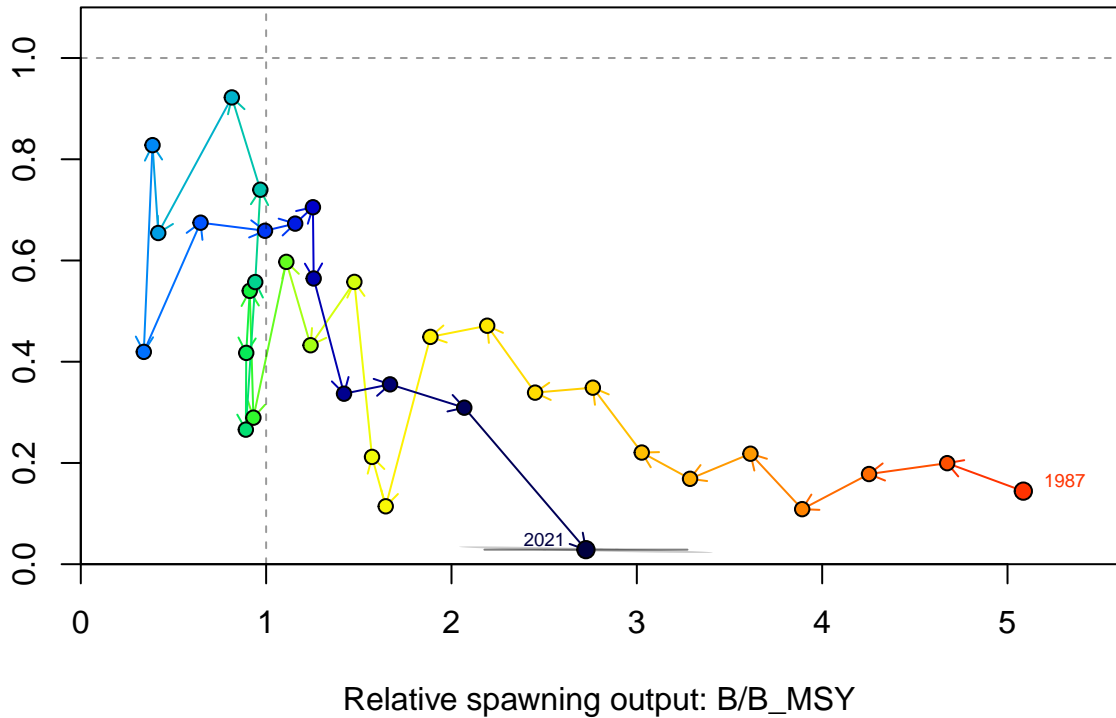


Fishing intensity: 1-SPR

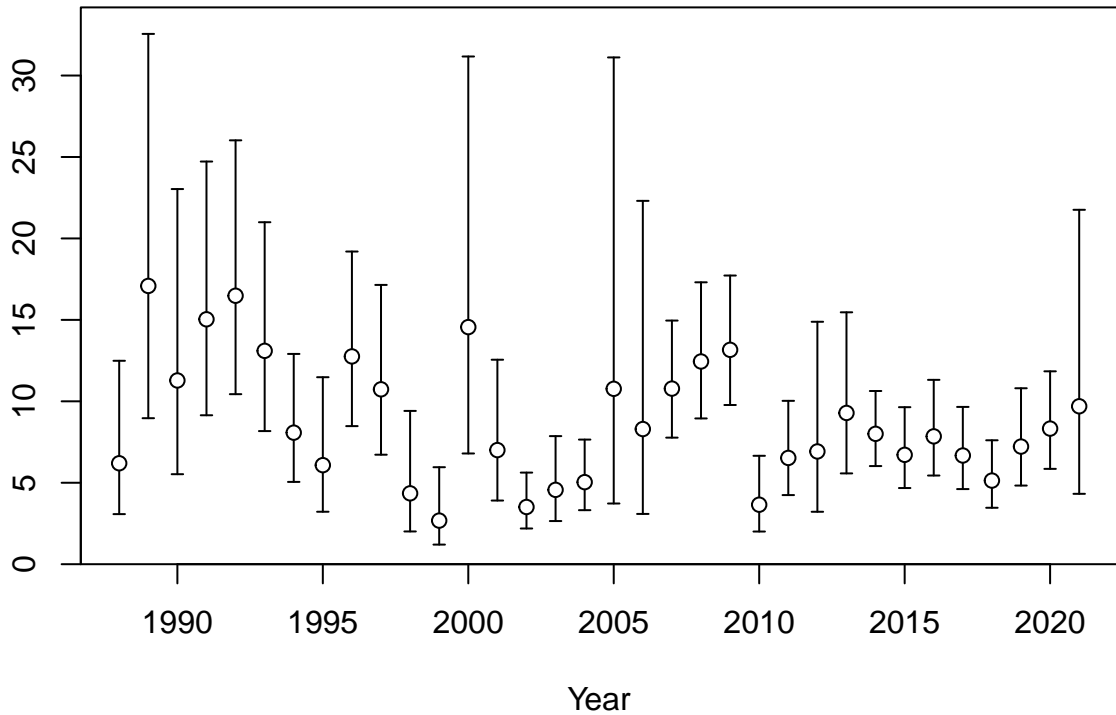




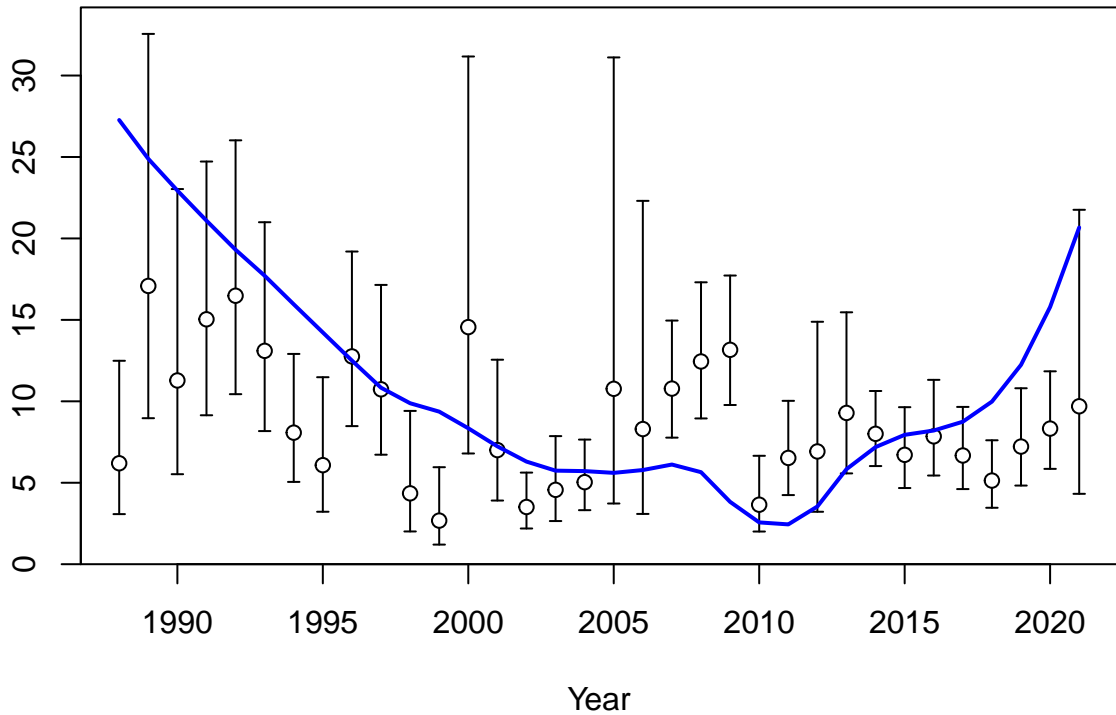
Fishing intensity: 1-SPR

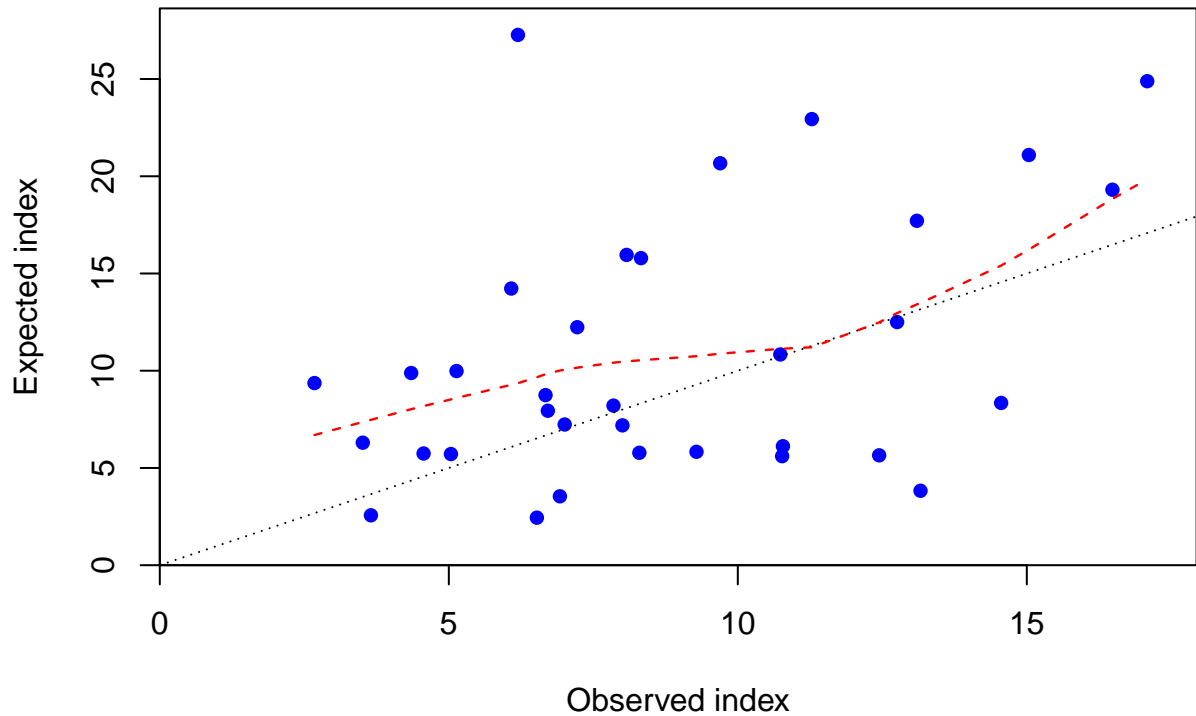


Index

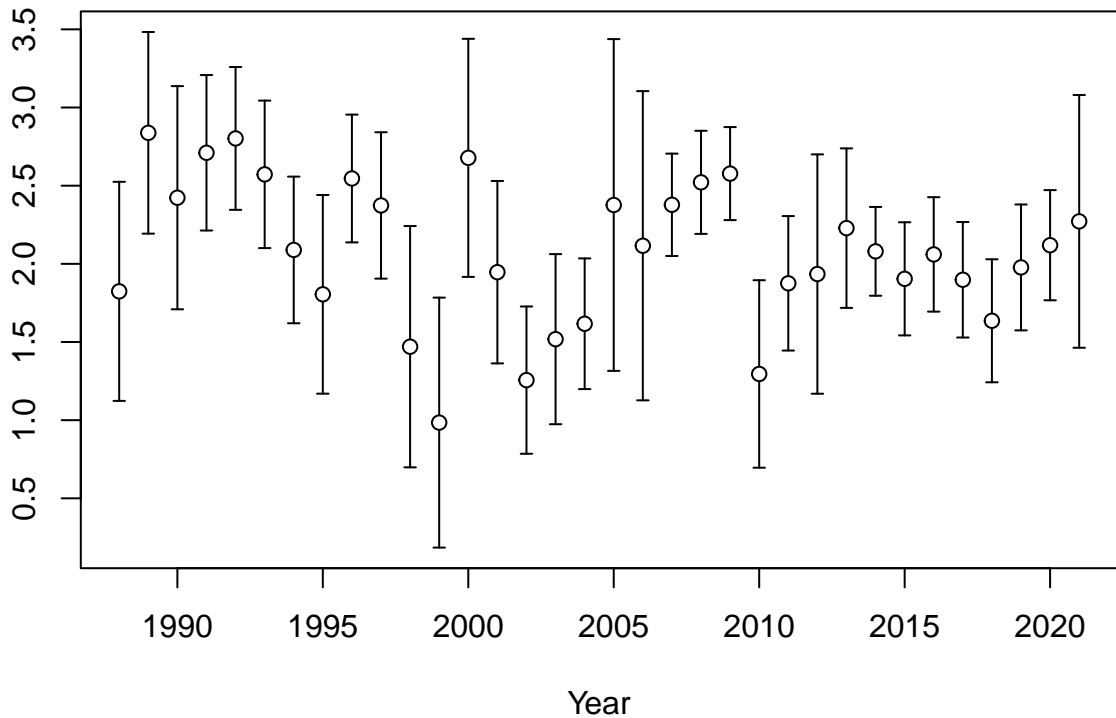


Index

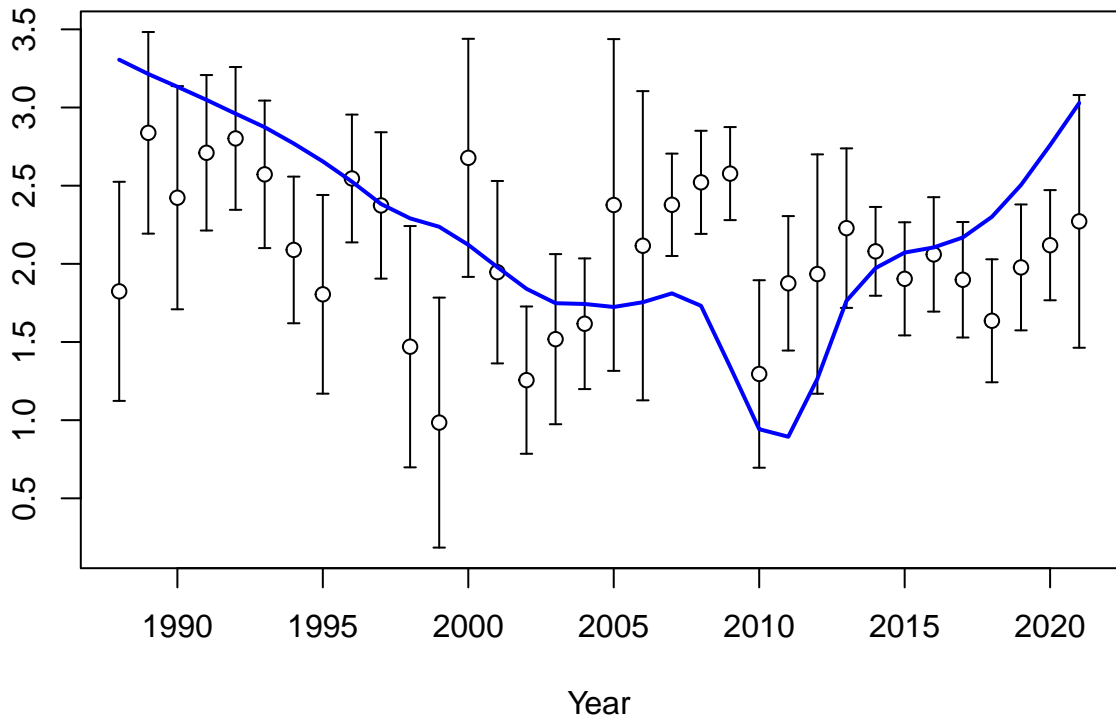


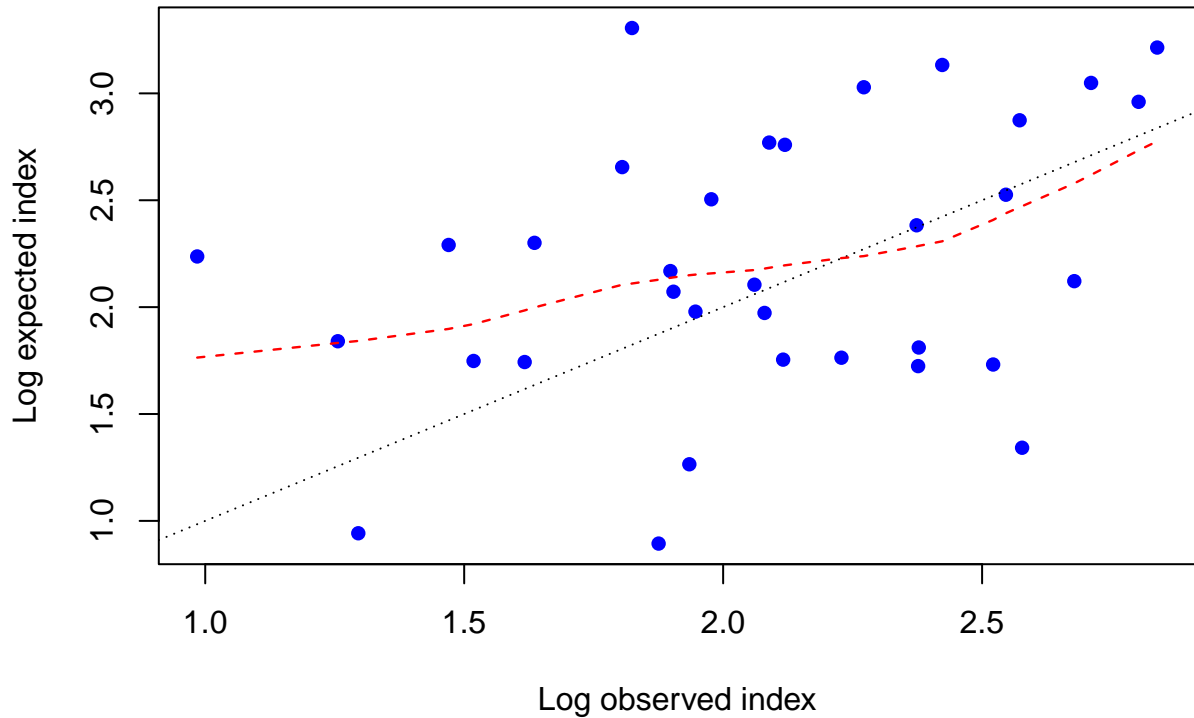


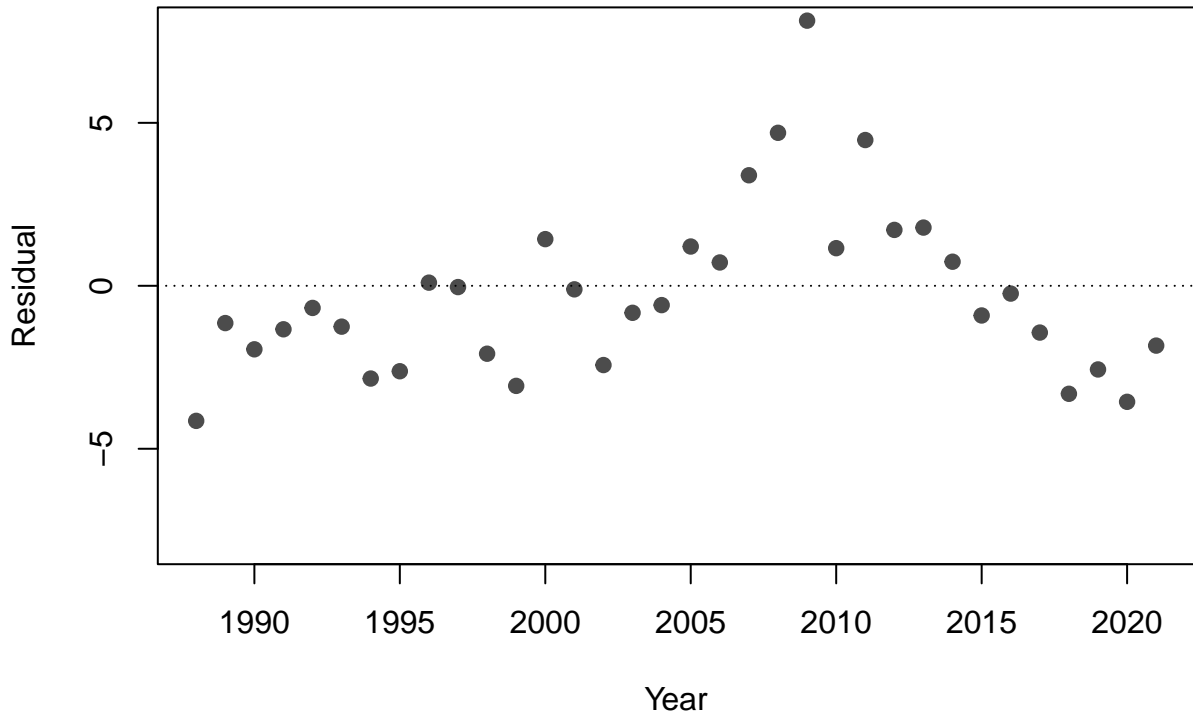
Log index



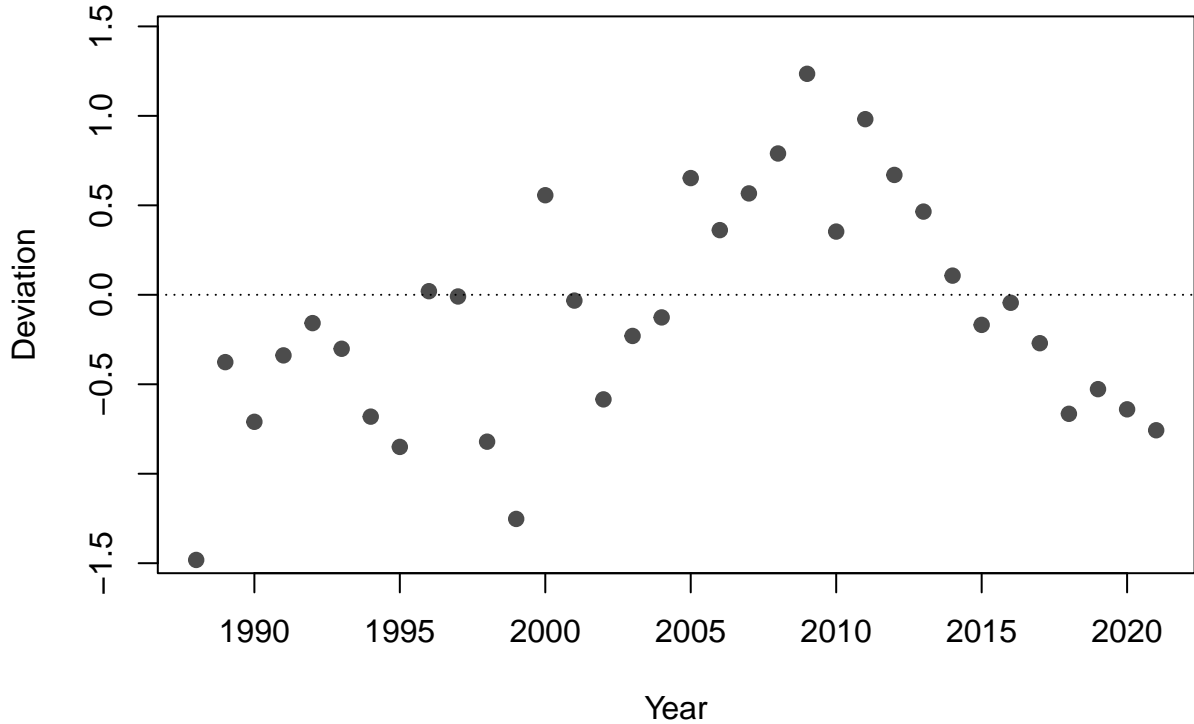
Log index



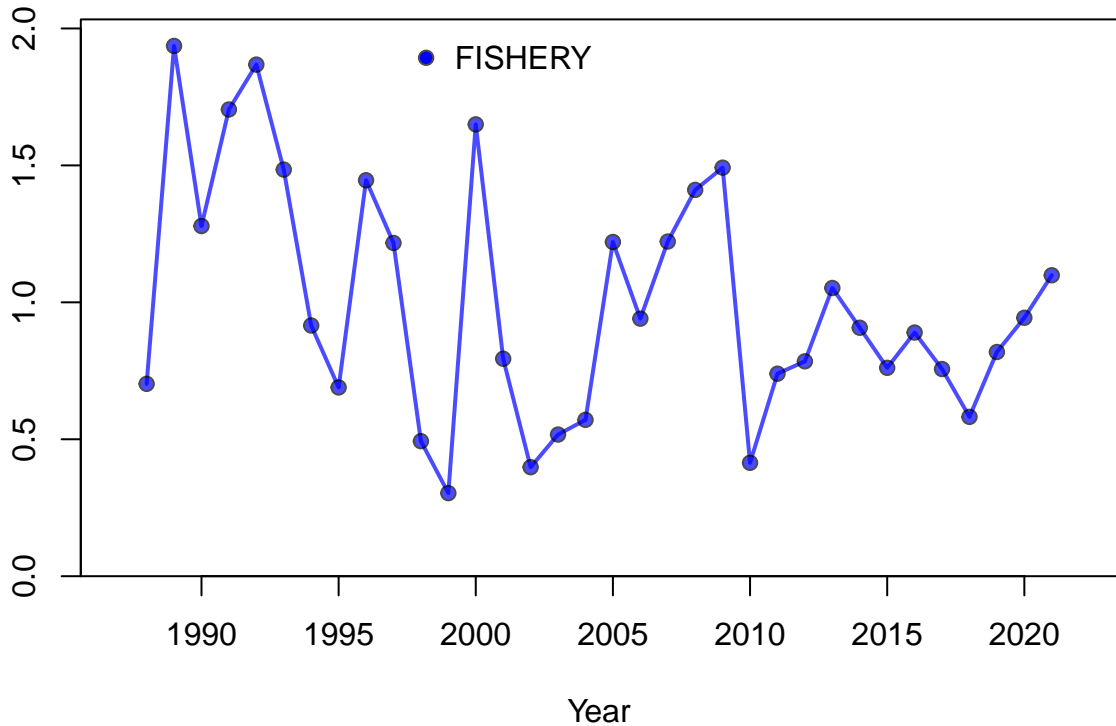




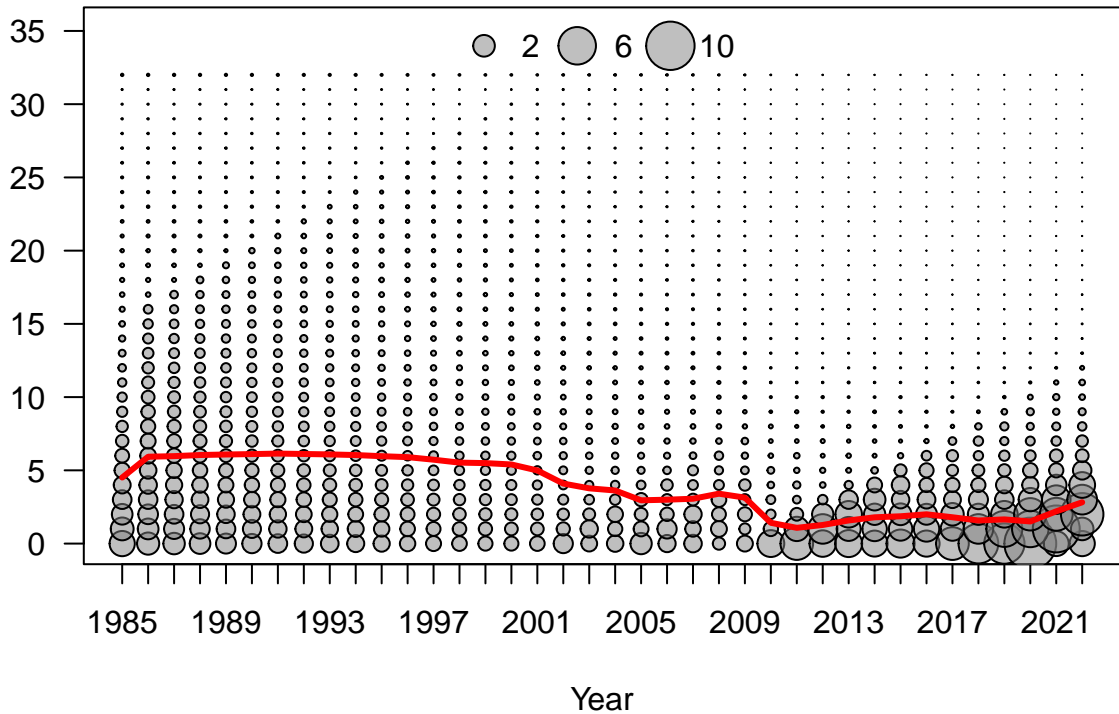




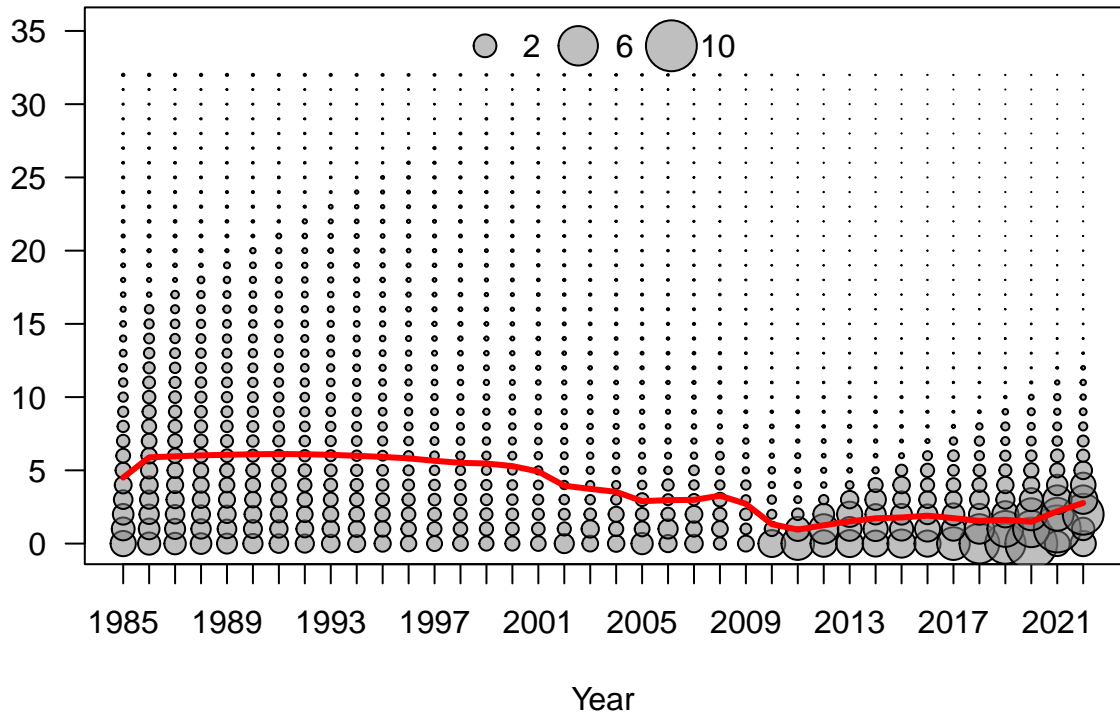
Standardized index



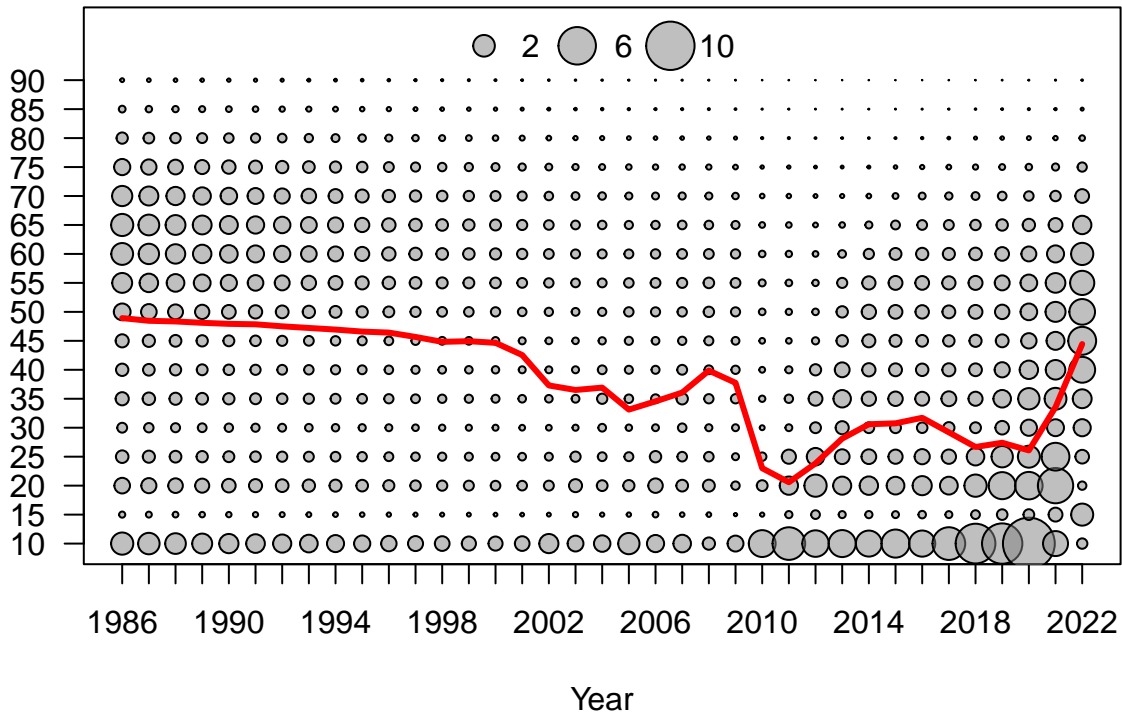
Age



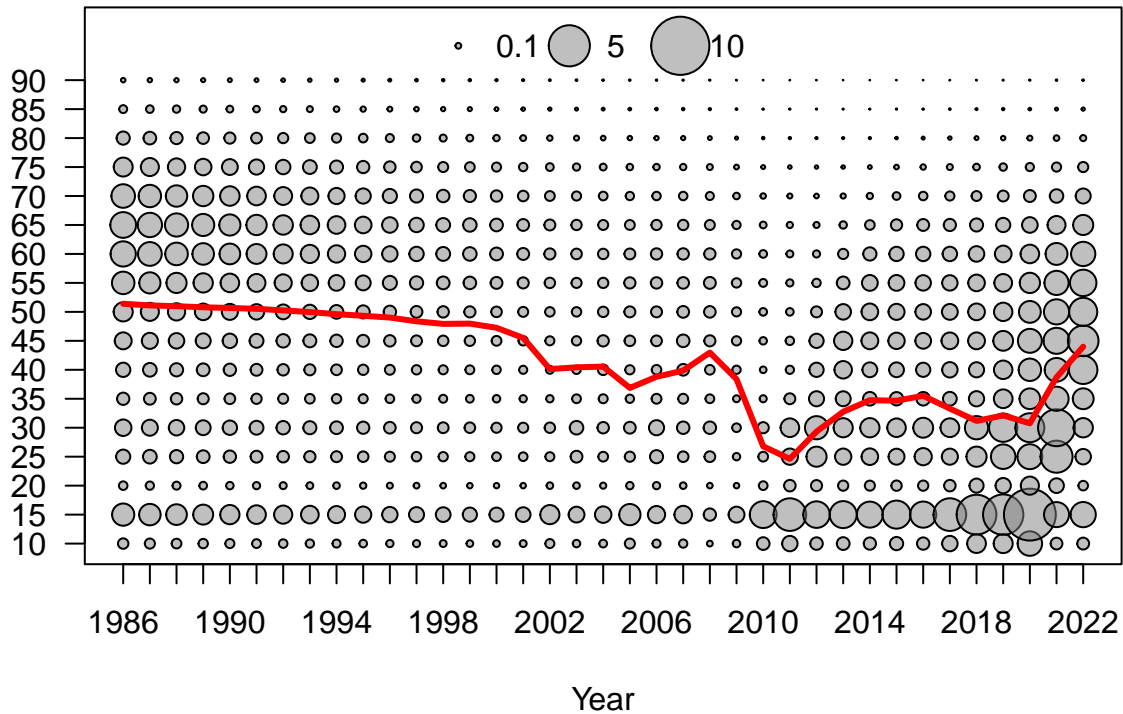
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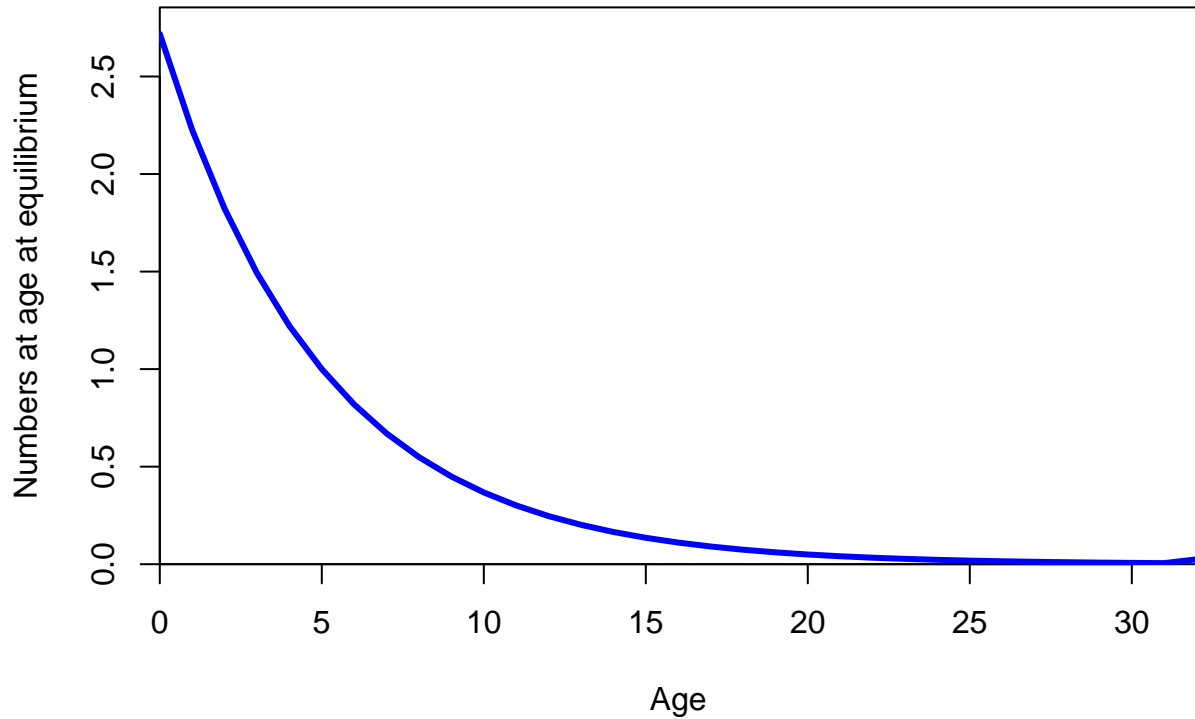


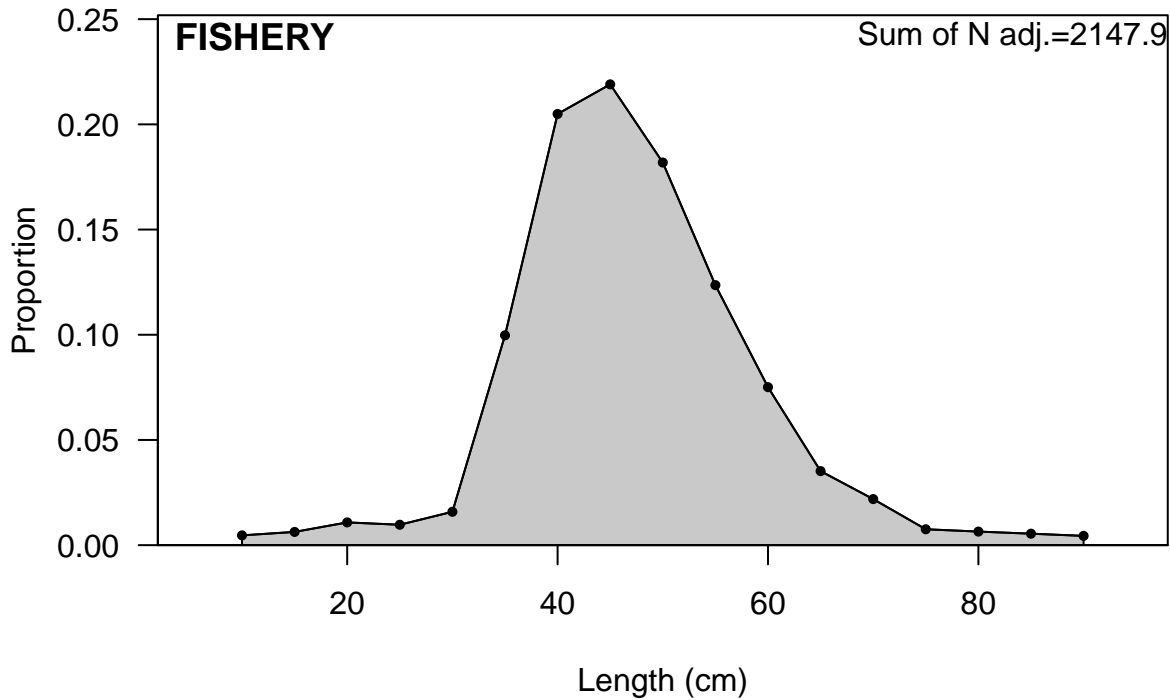
Length



Length



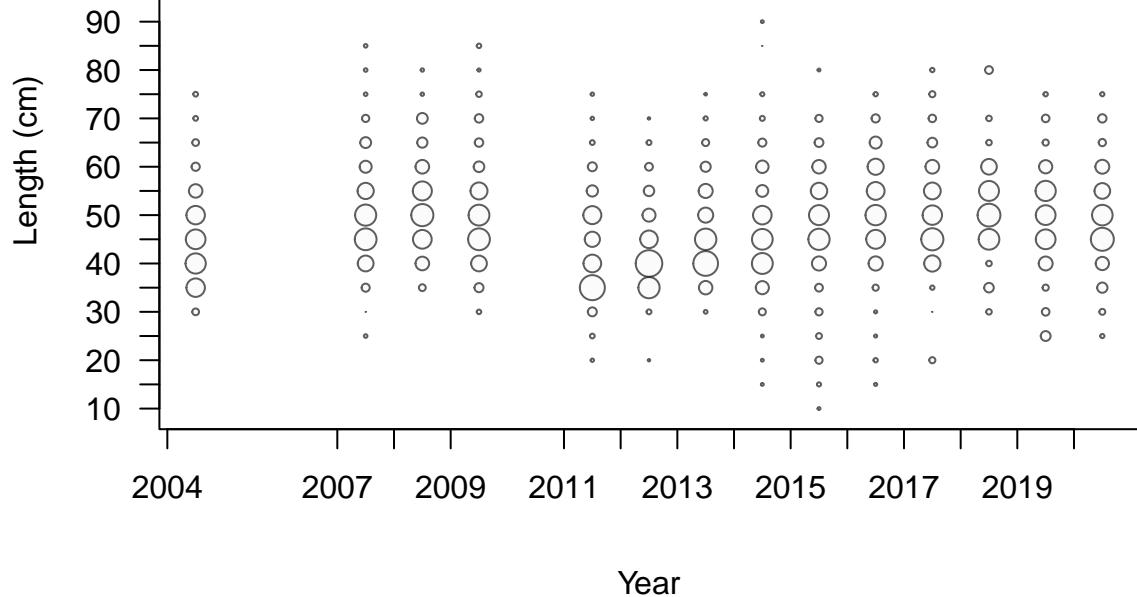




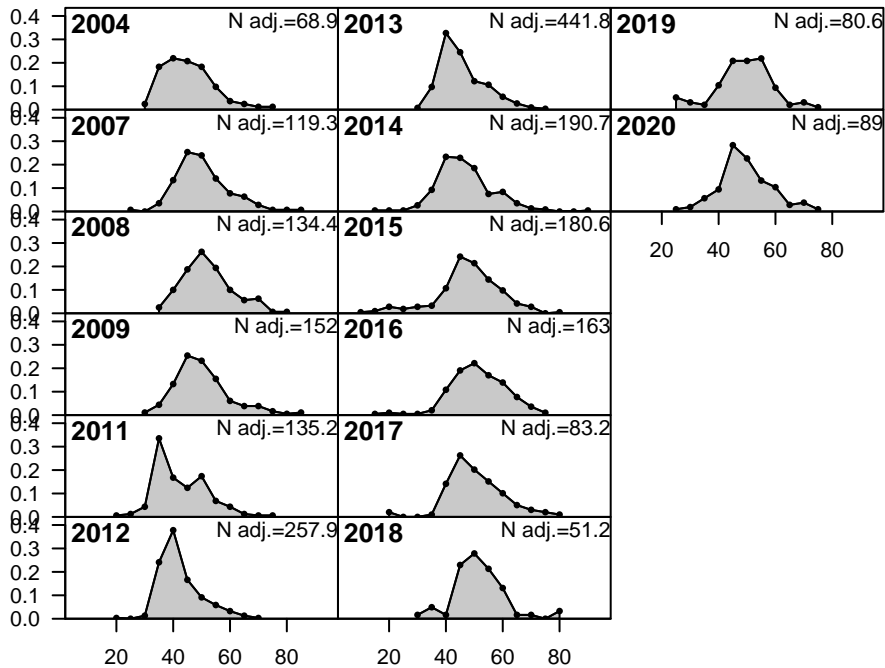


# FISHERY

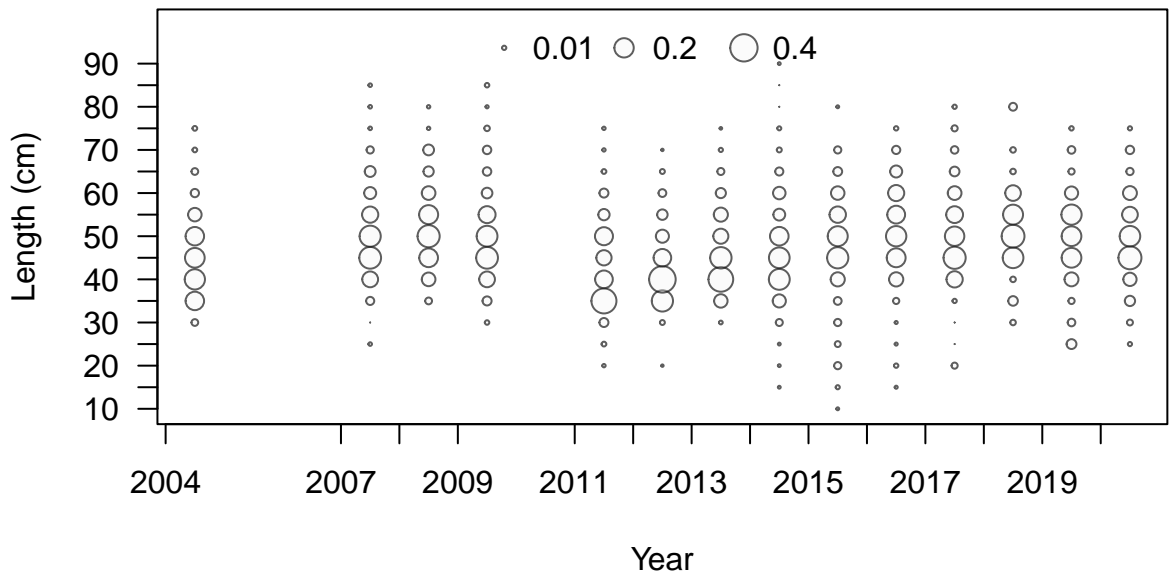
• 0.01 ○ 0.2 ○ 0.4



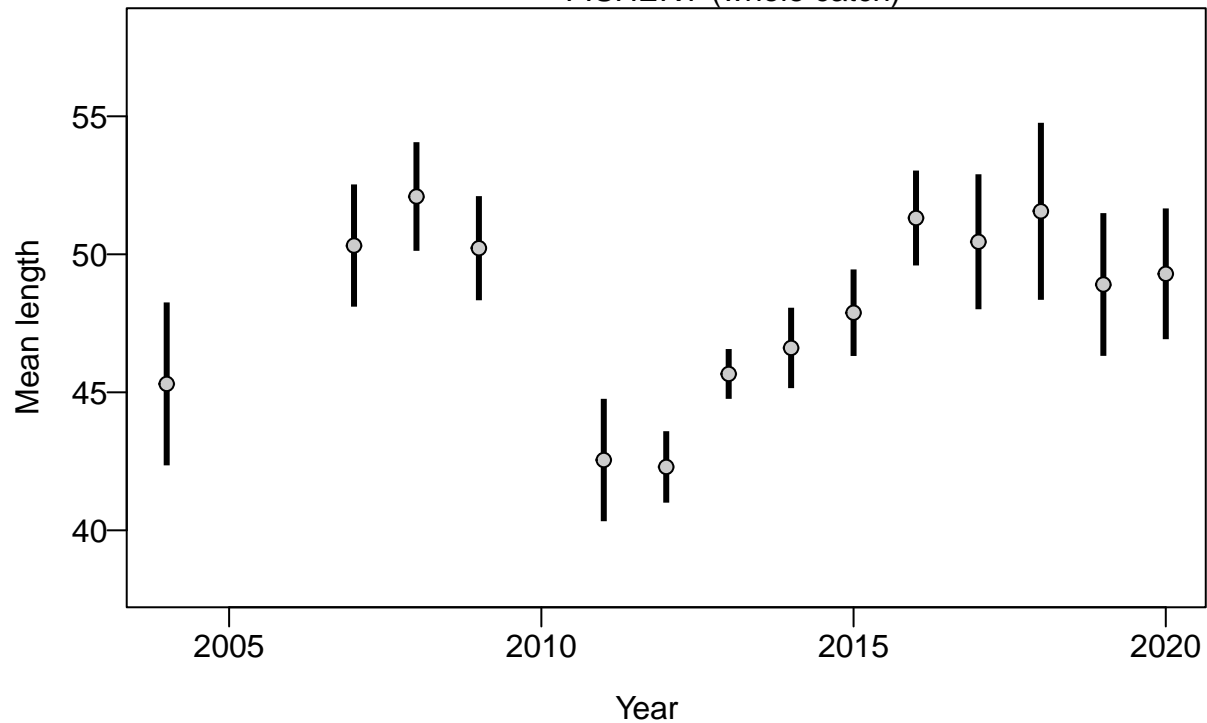
Proportion

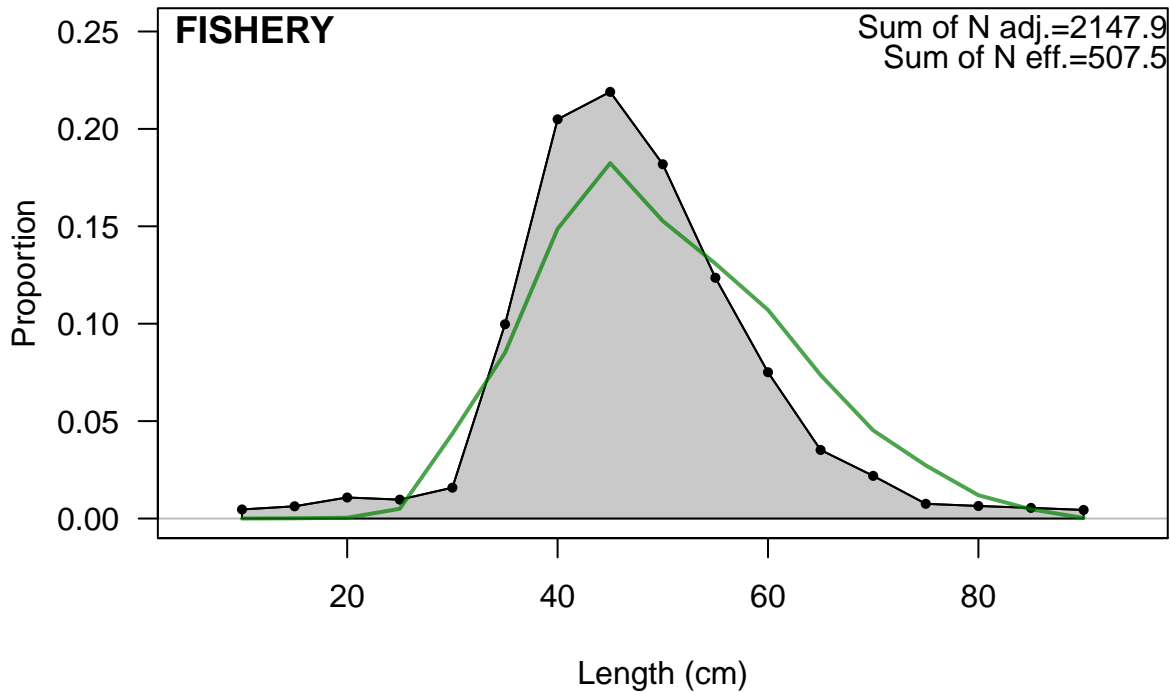


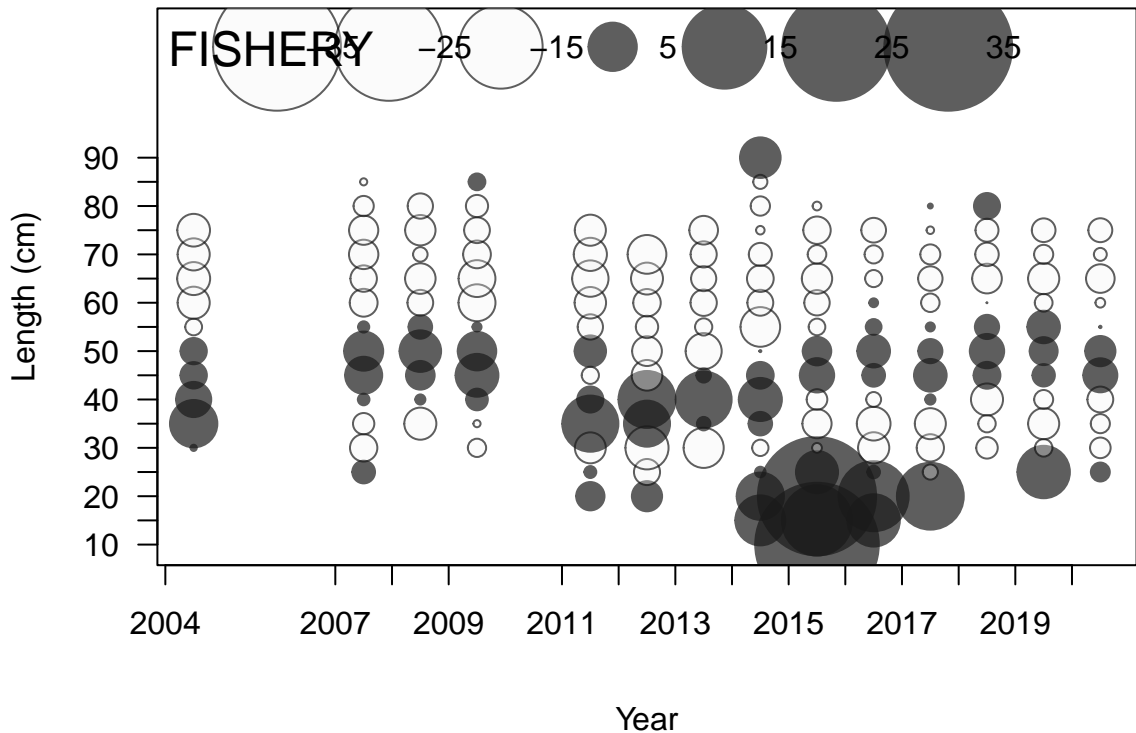
Length (cm)



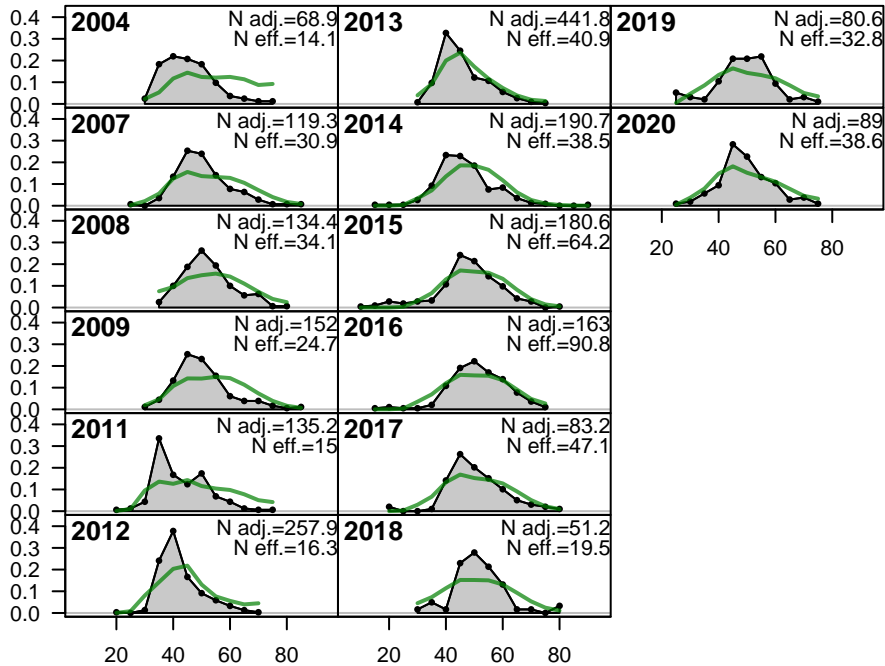
FISHERY (whole catch)



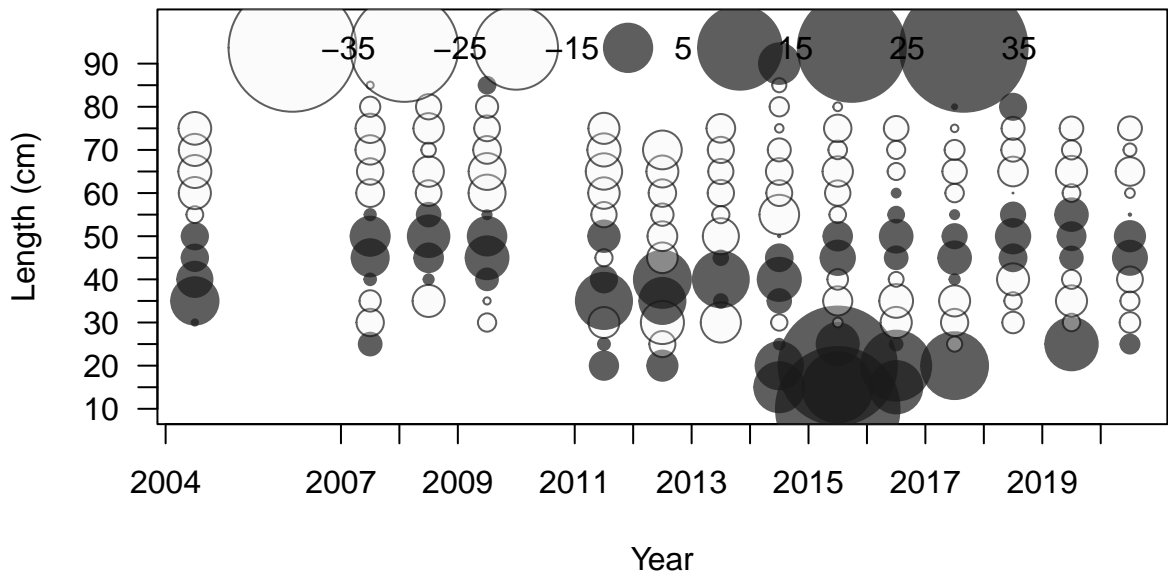




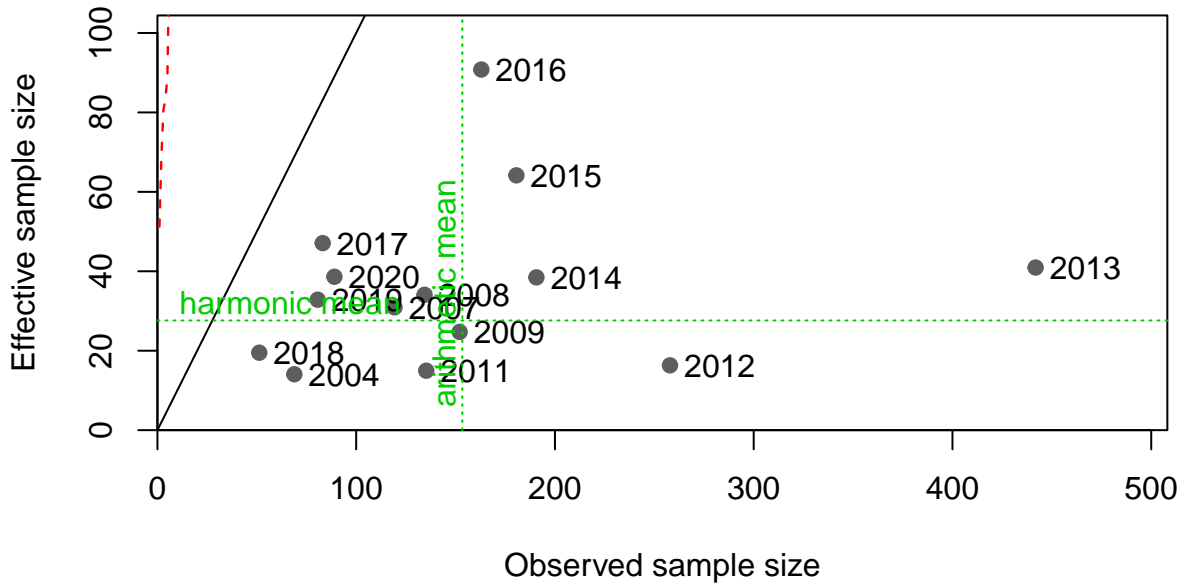
Proportion



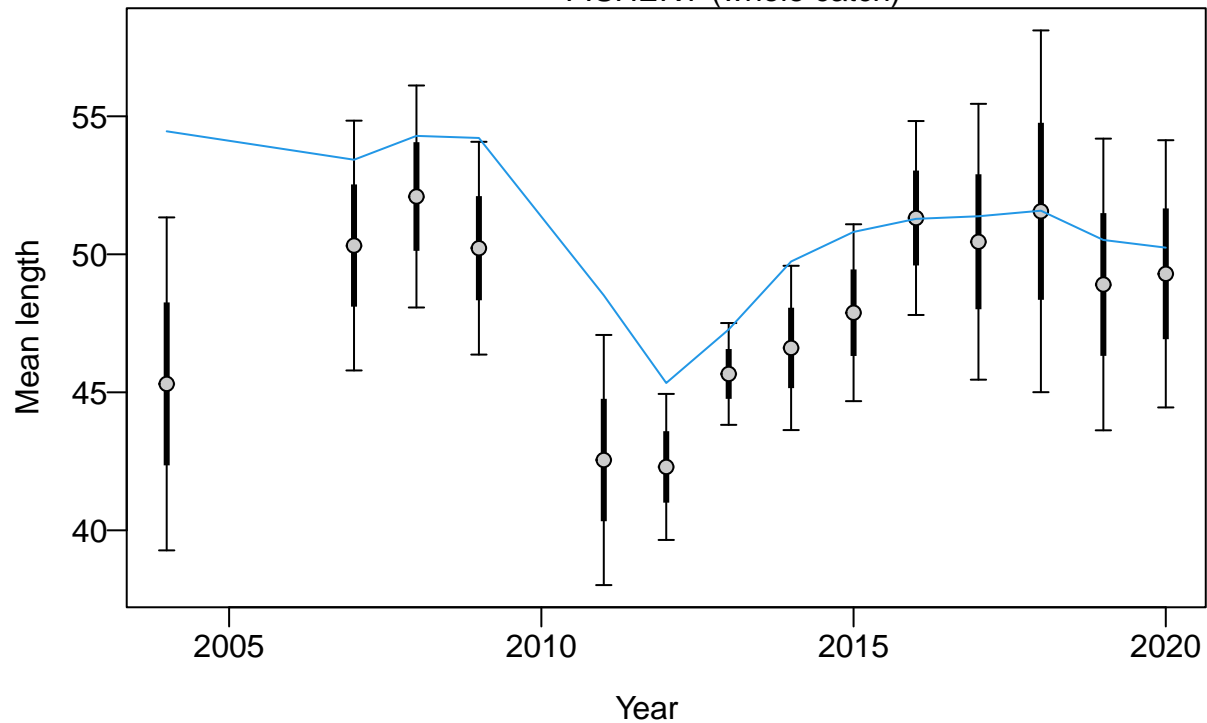
Length (cm)

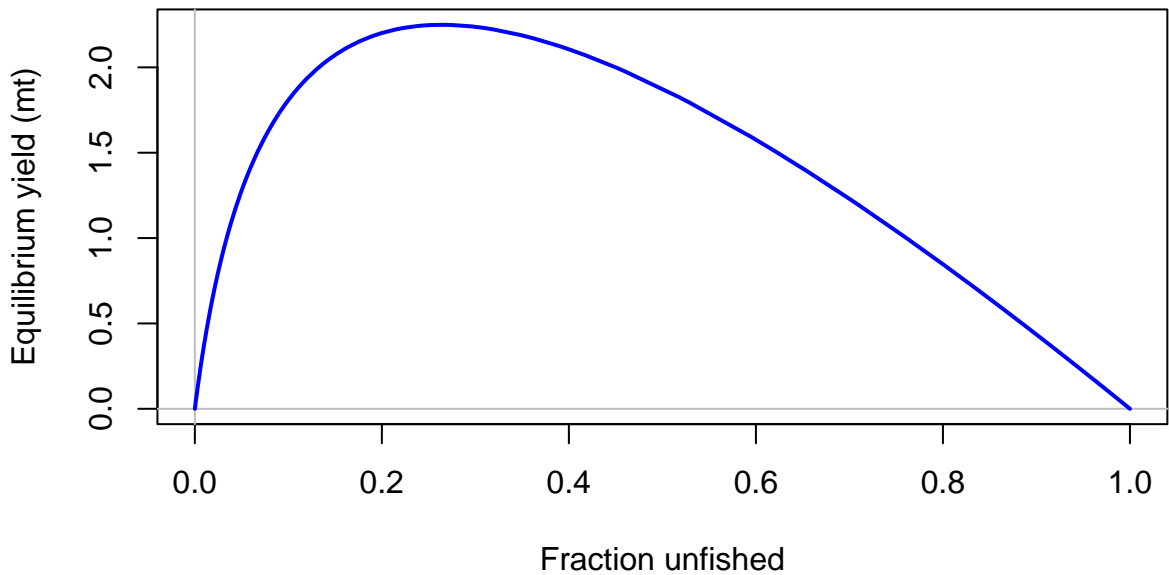


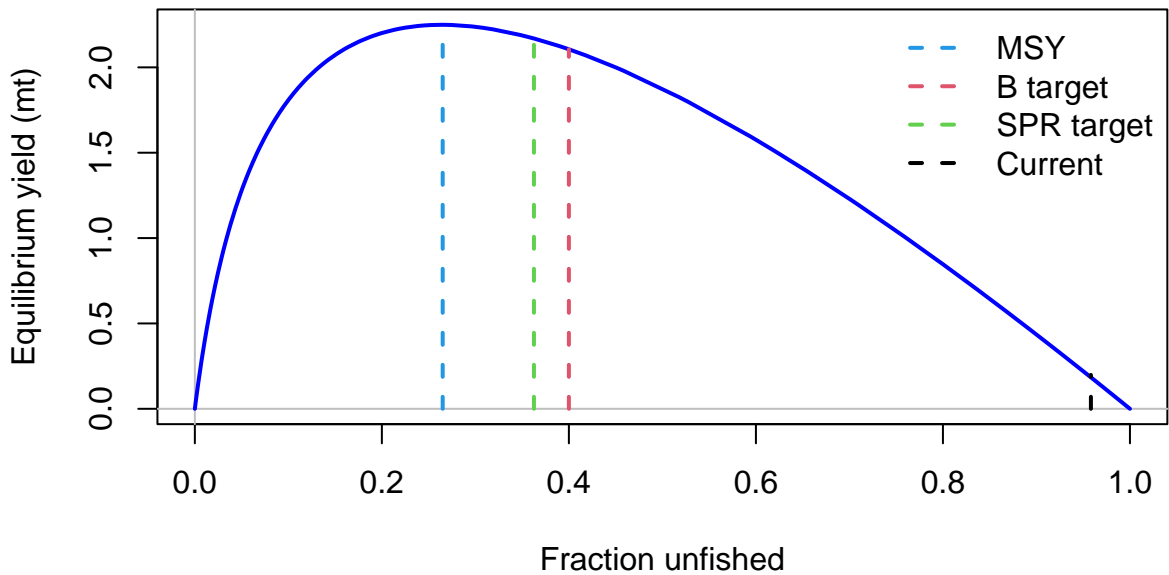


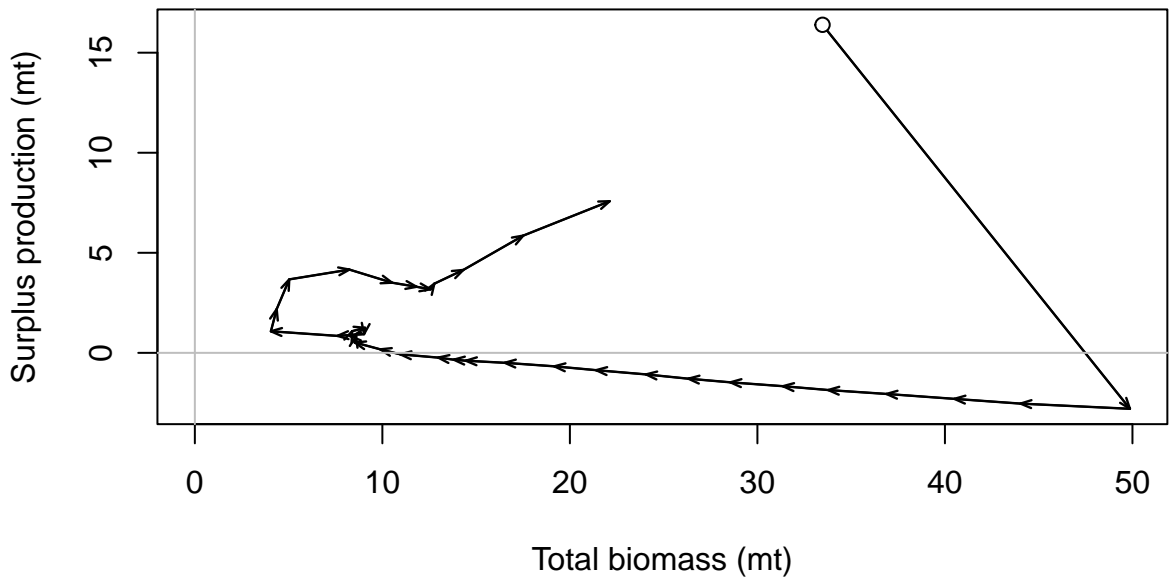


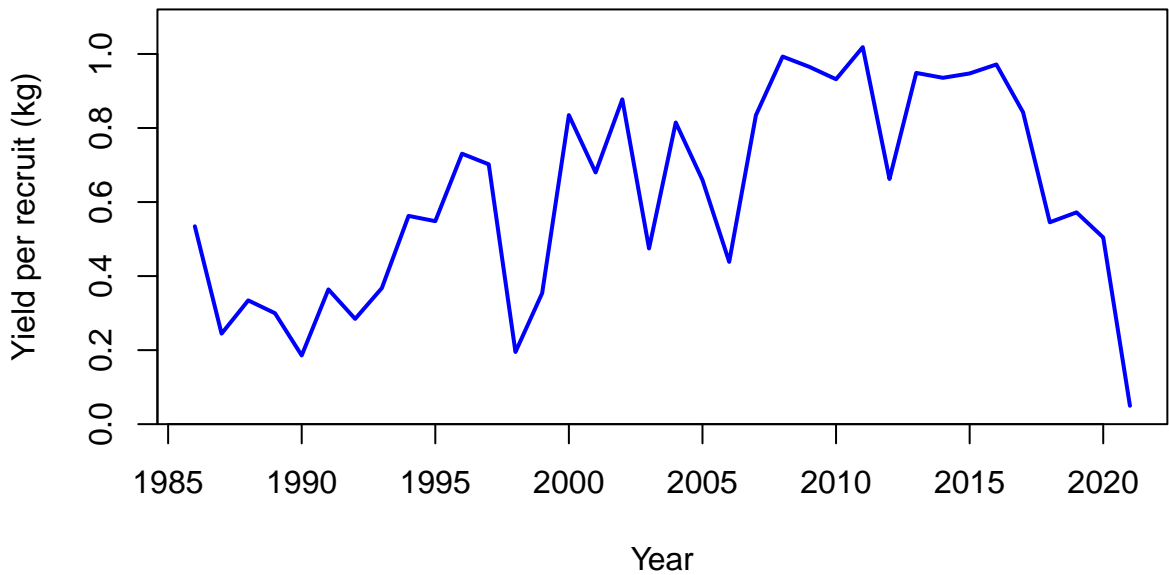
FISHERY (whole catch)

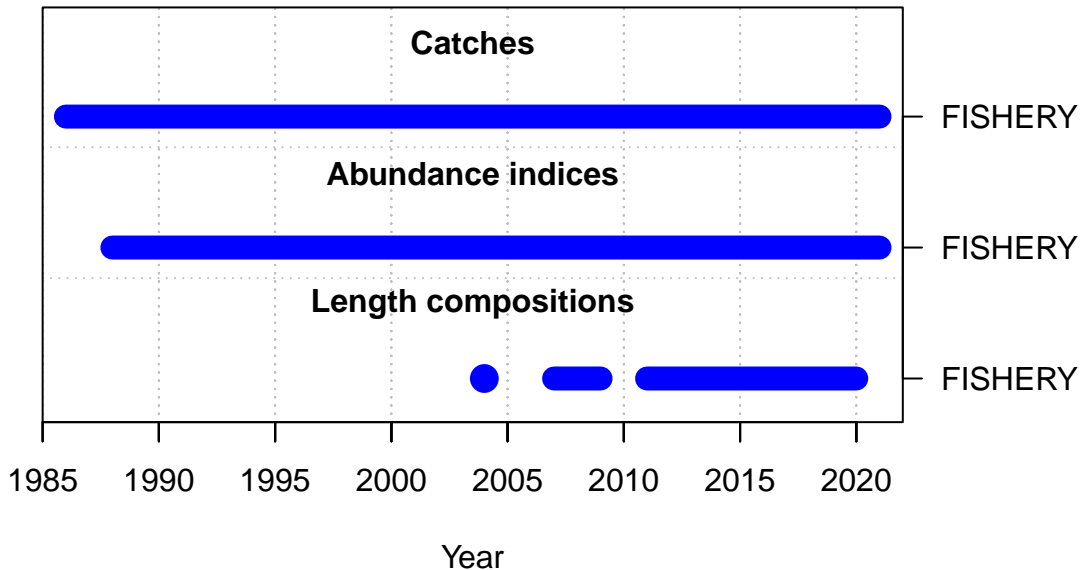


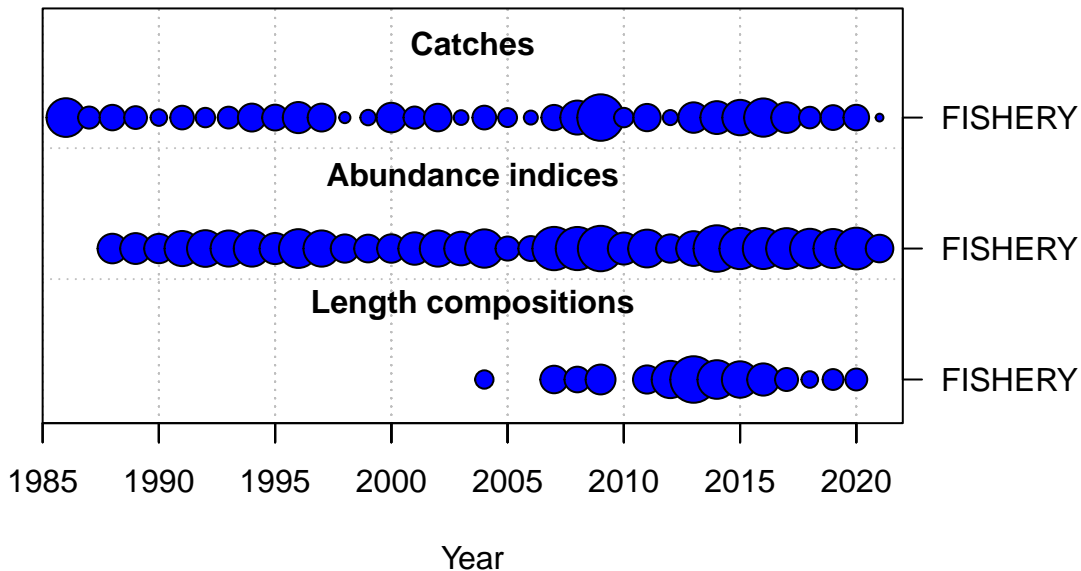






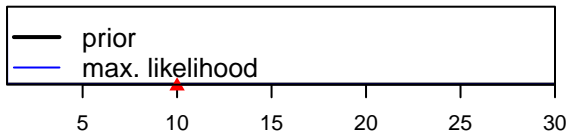




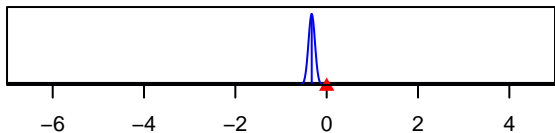




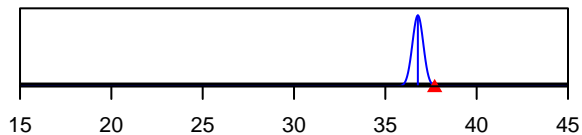
SR\_LN(R0)



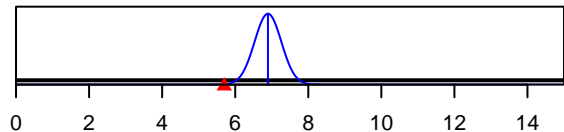
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value