

Plots created using the 'r4ss' package in R

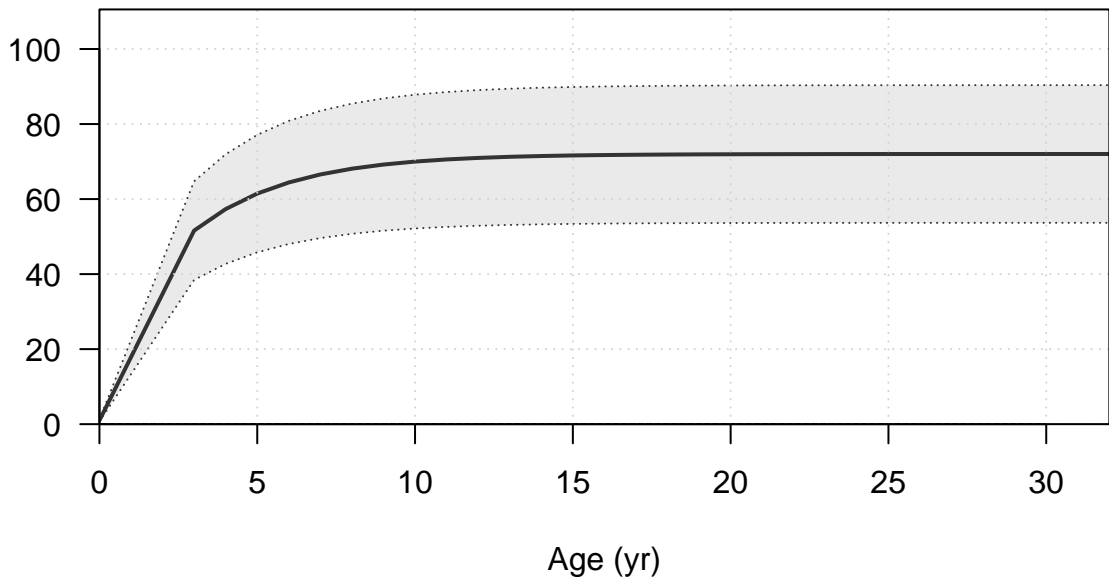
Stock Synthesis version: 3.30.19.0

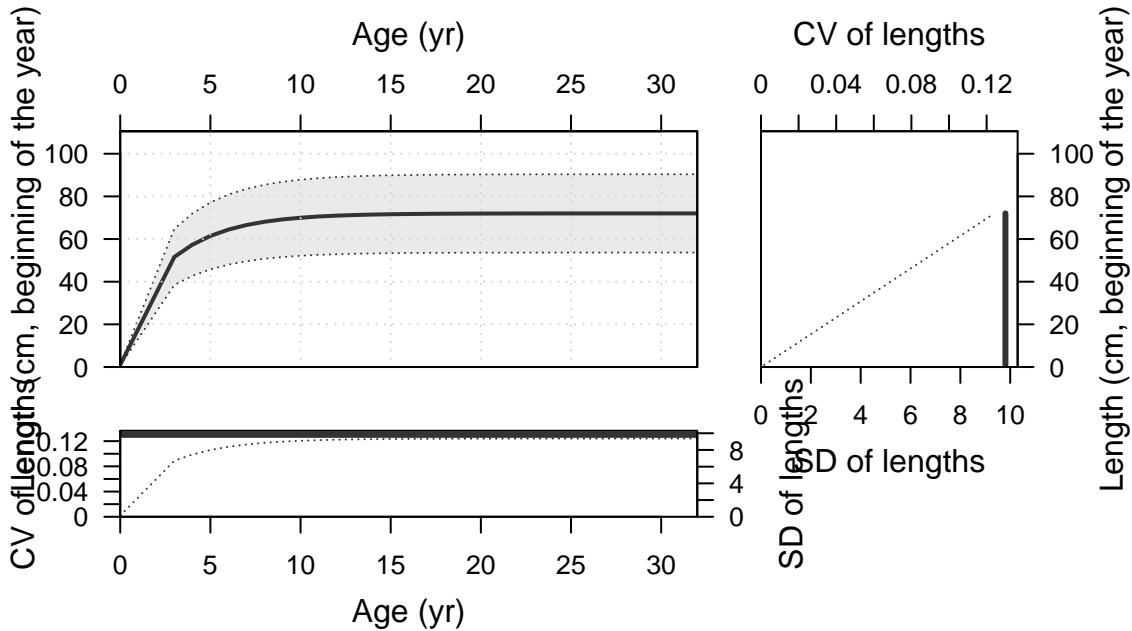
StartTime: Thu Jul 07 08:55:16 2022

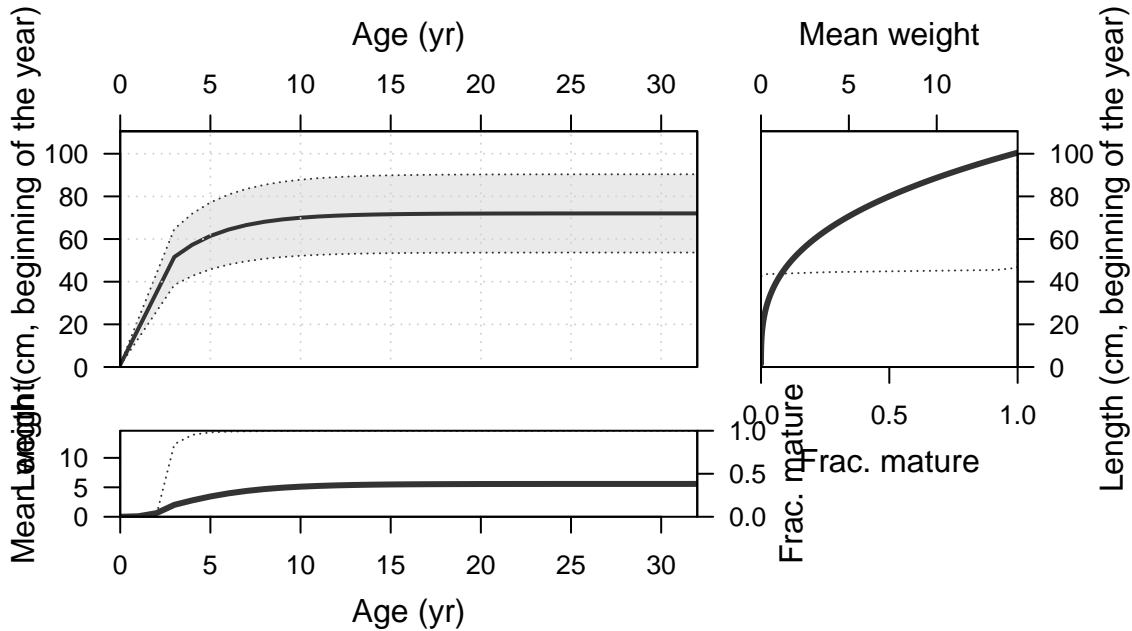
Data\_File: data.ss

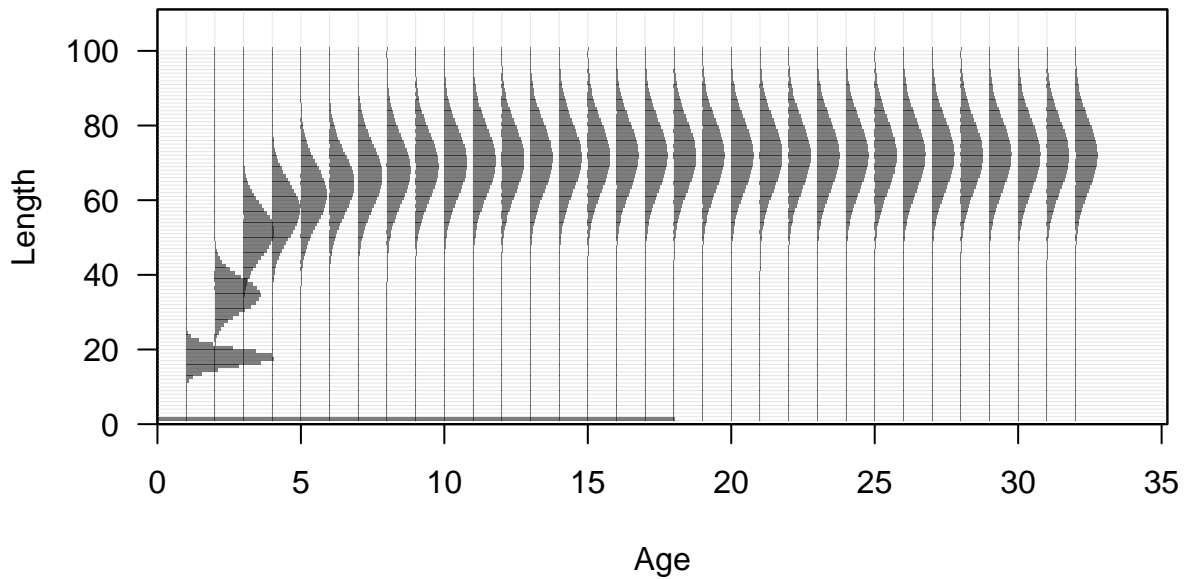
Control\_File: control.ss

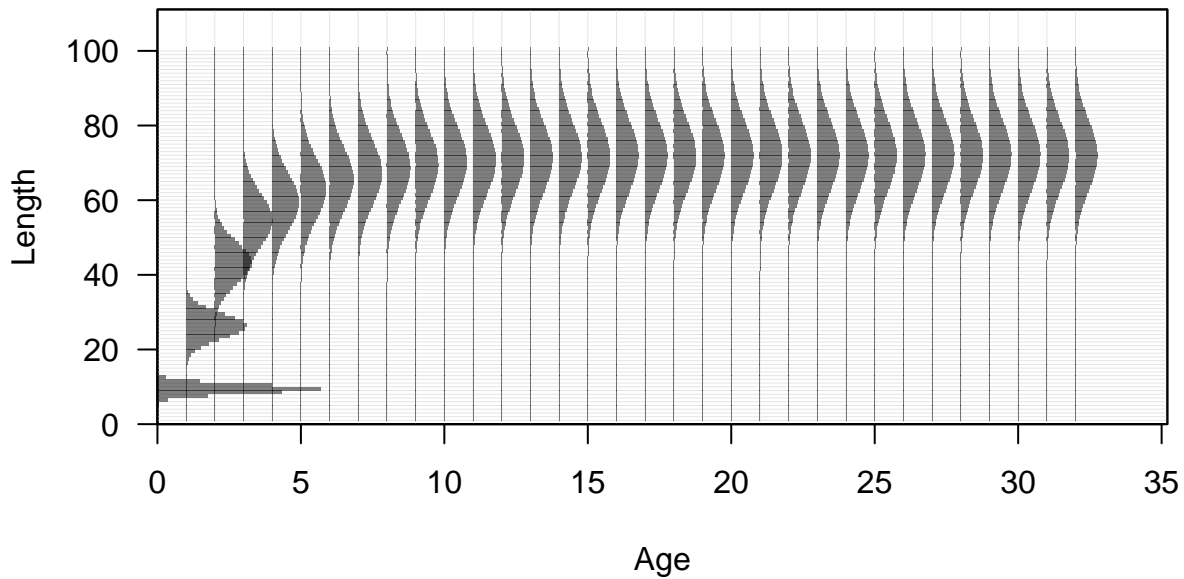
Length (cm, beginning of the year)



















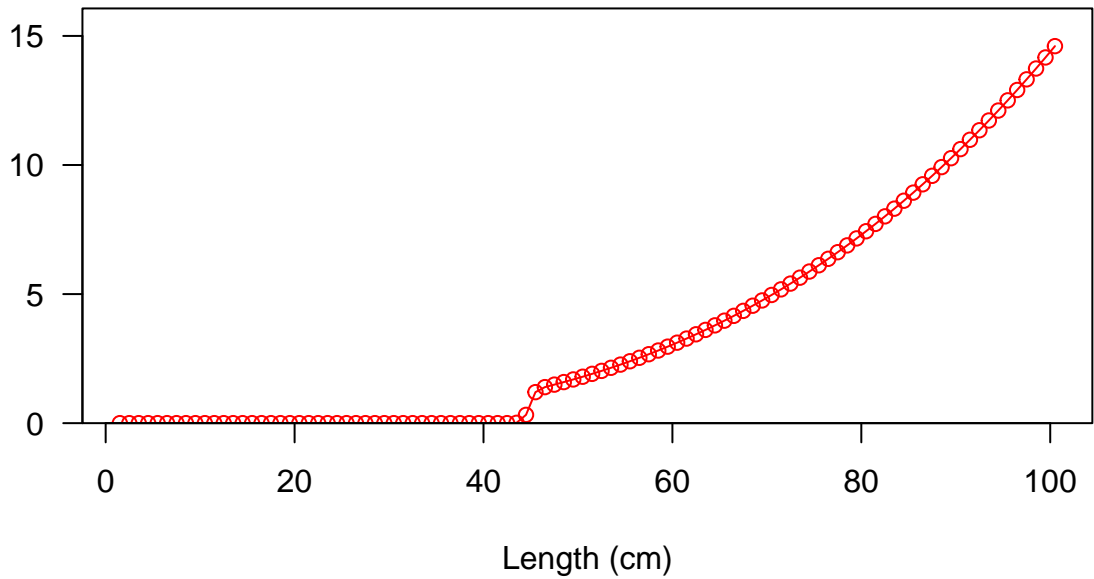
Fecundity



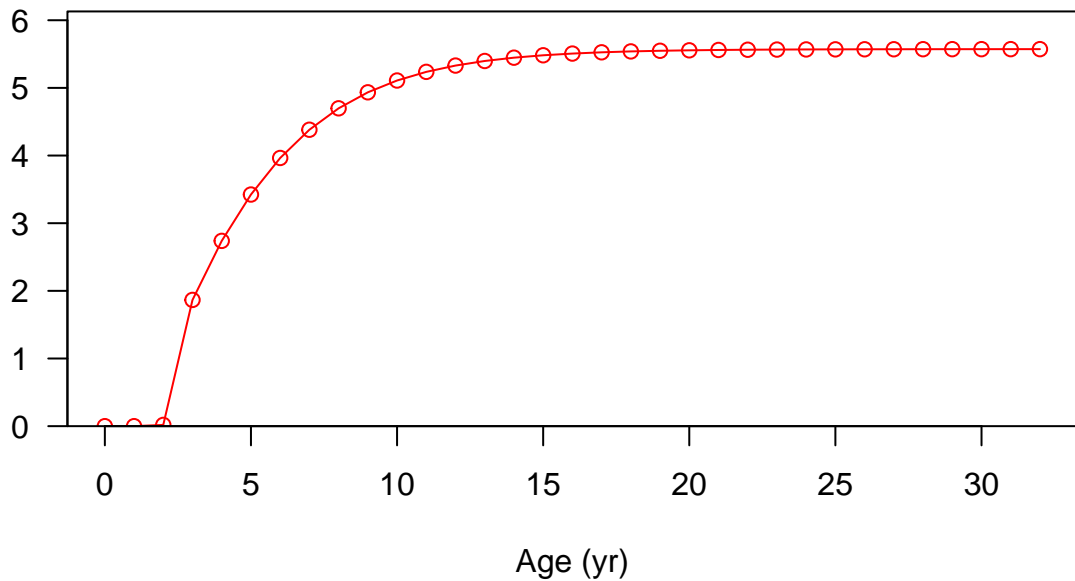
Fecundity



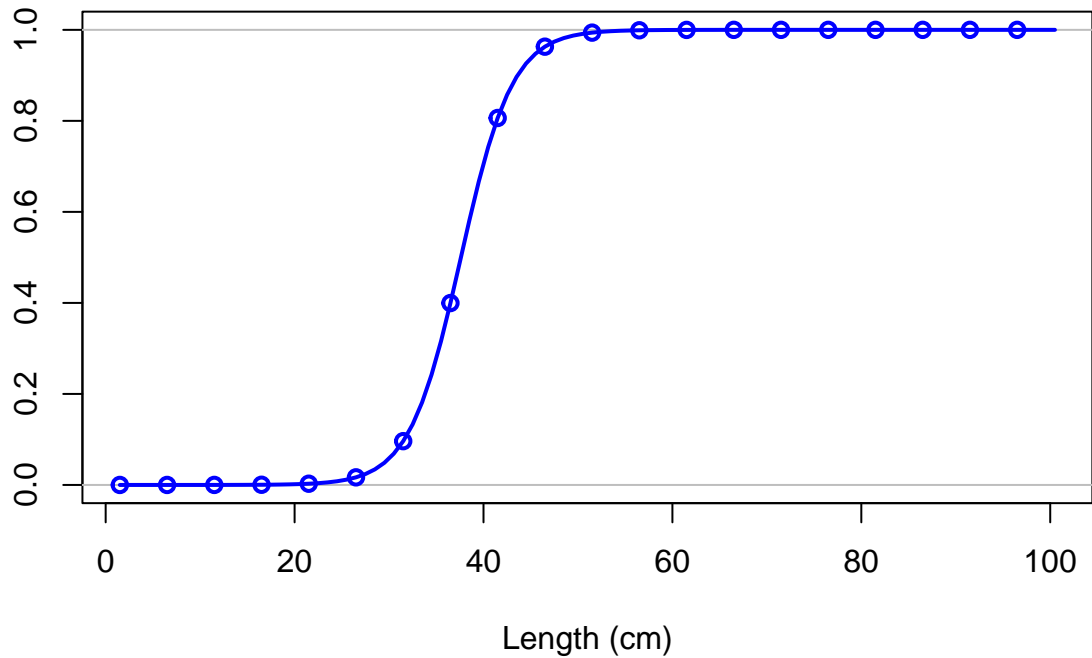
Spawning output



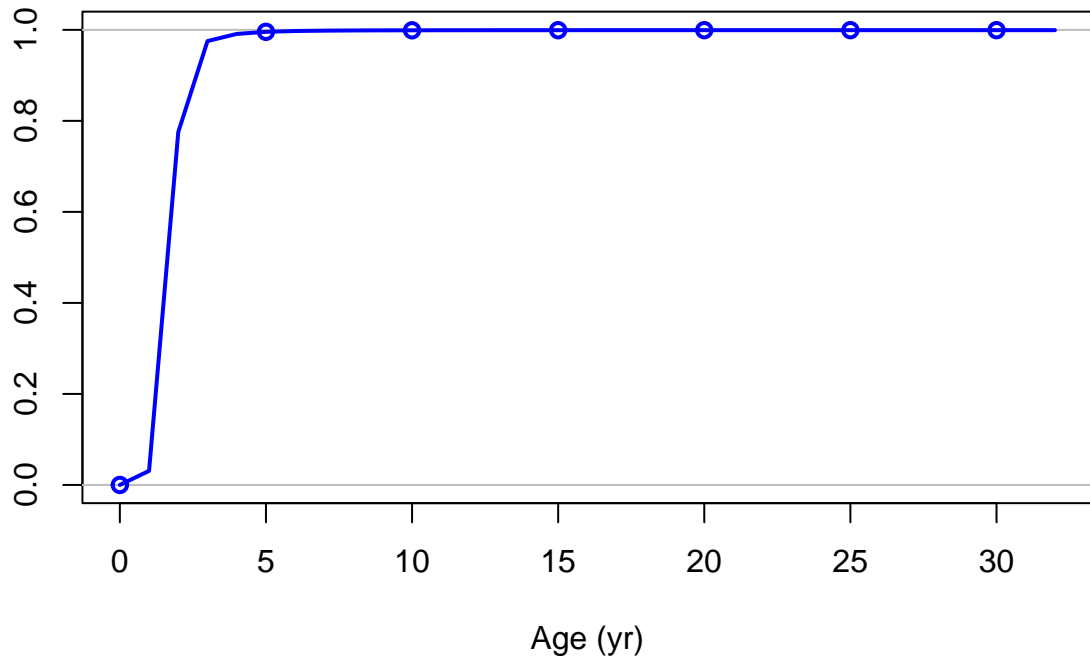
Spawning output



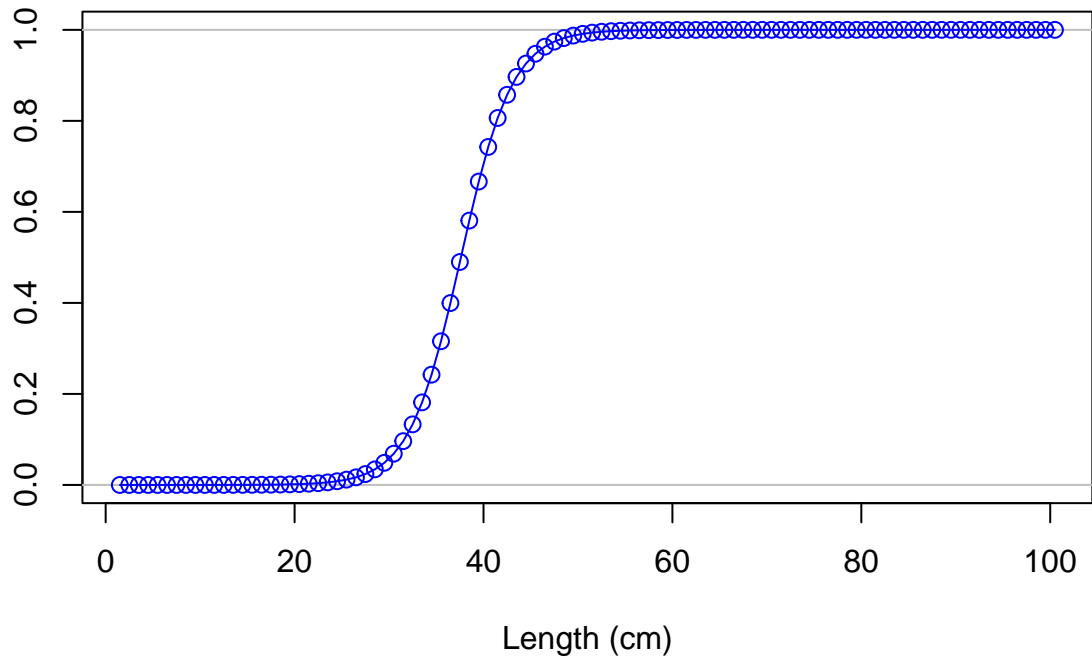
Selectivity



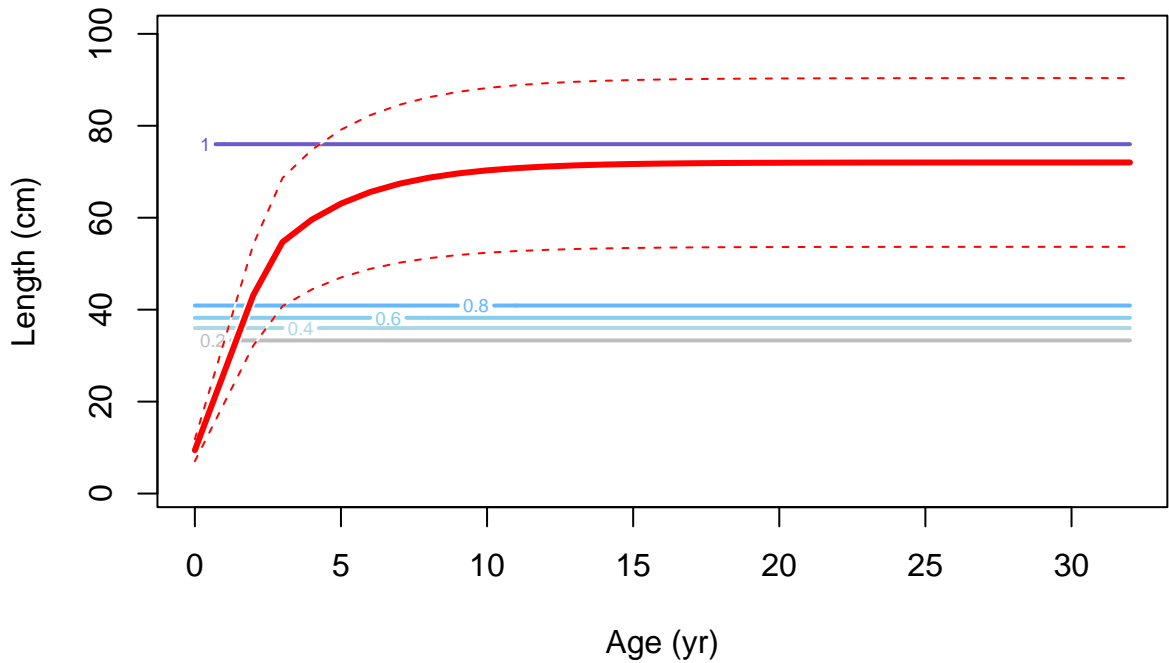
Selectivity



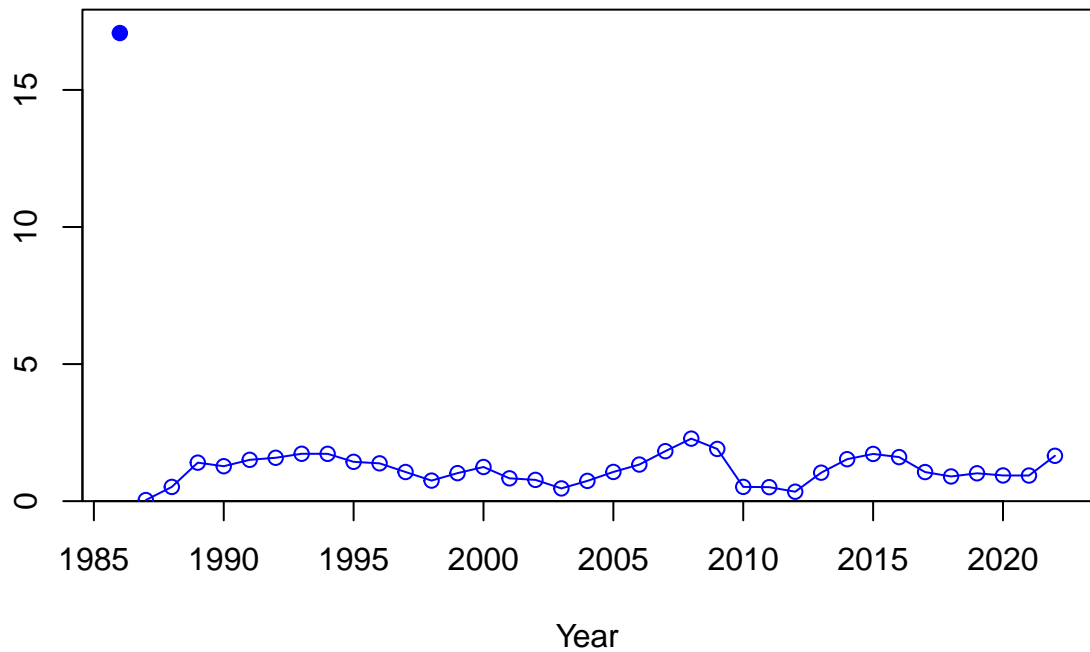
Selectivity



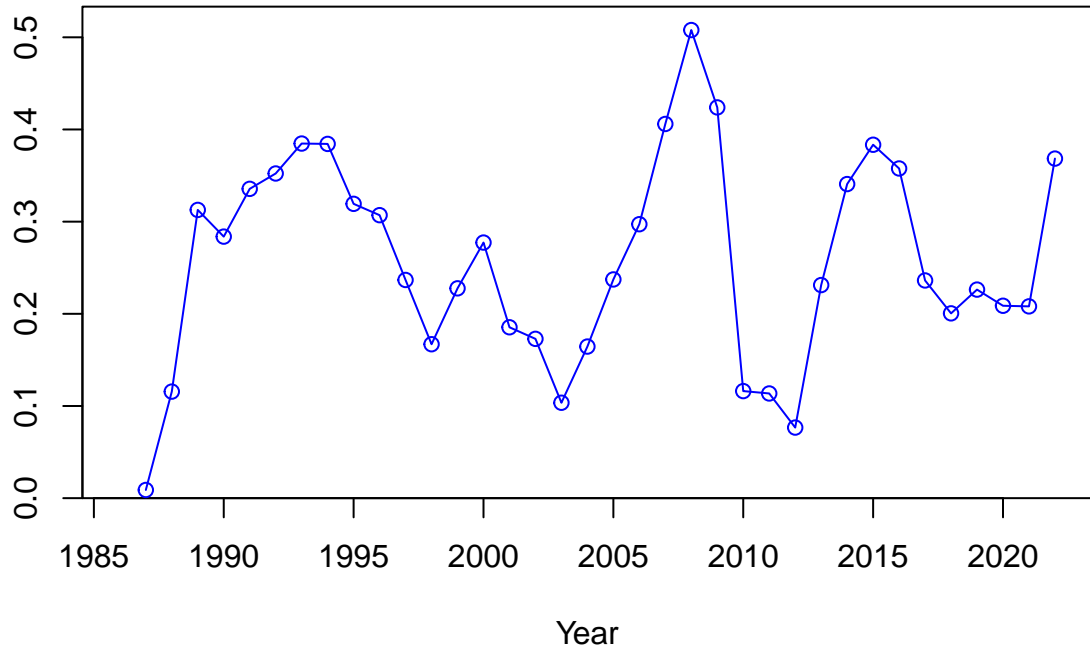


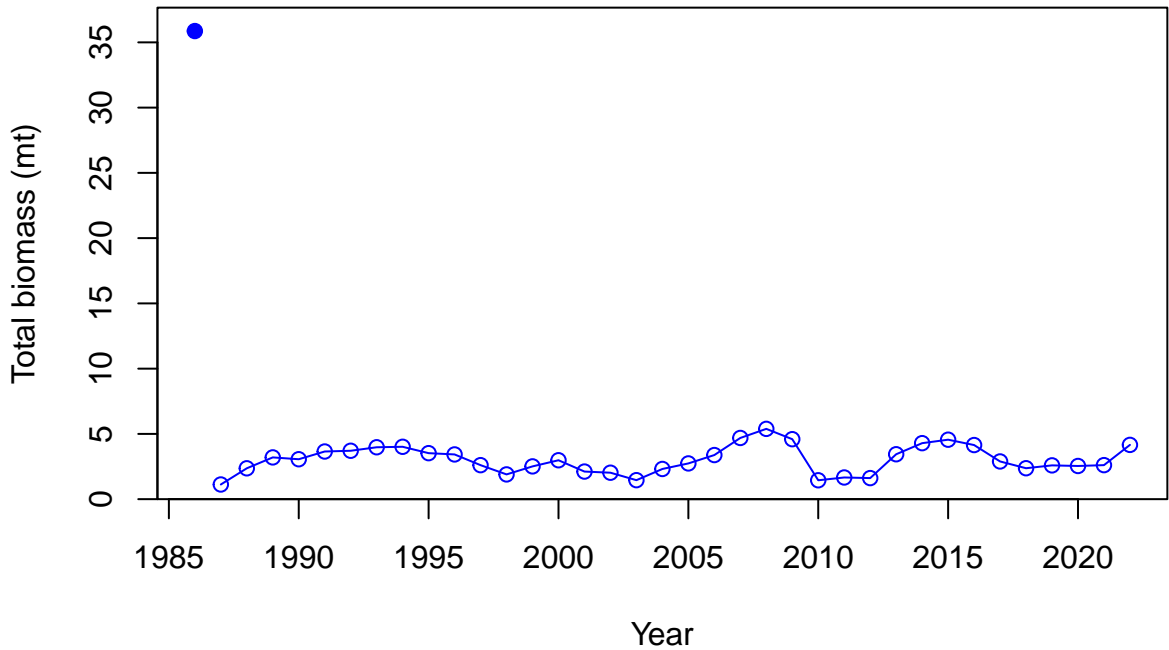


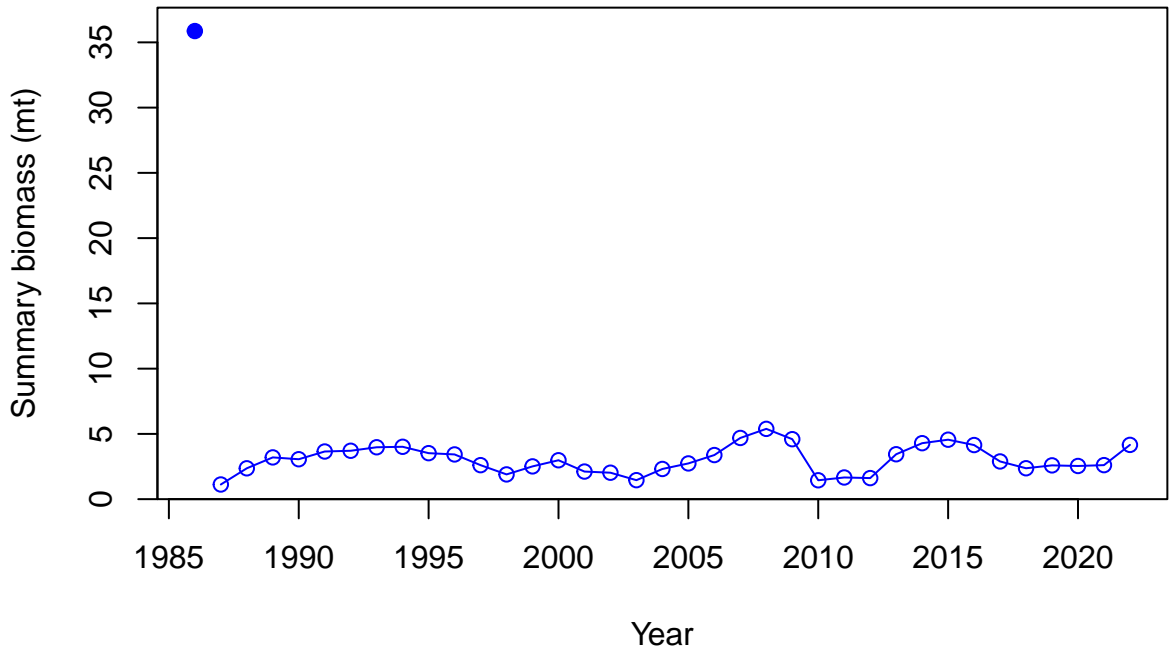
Spawning biomass (mt)

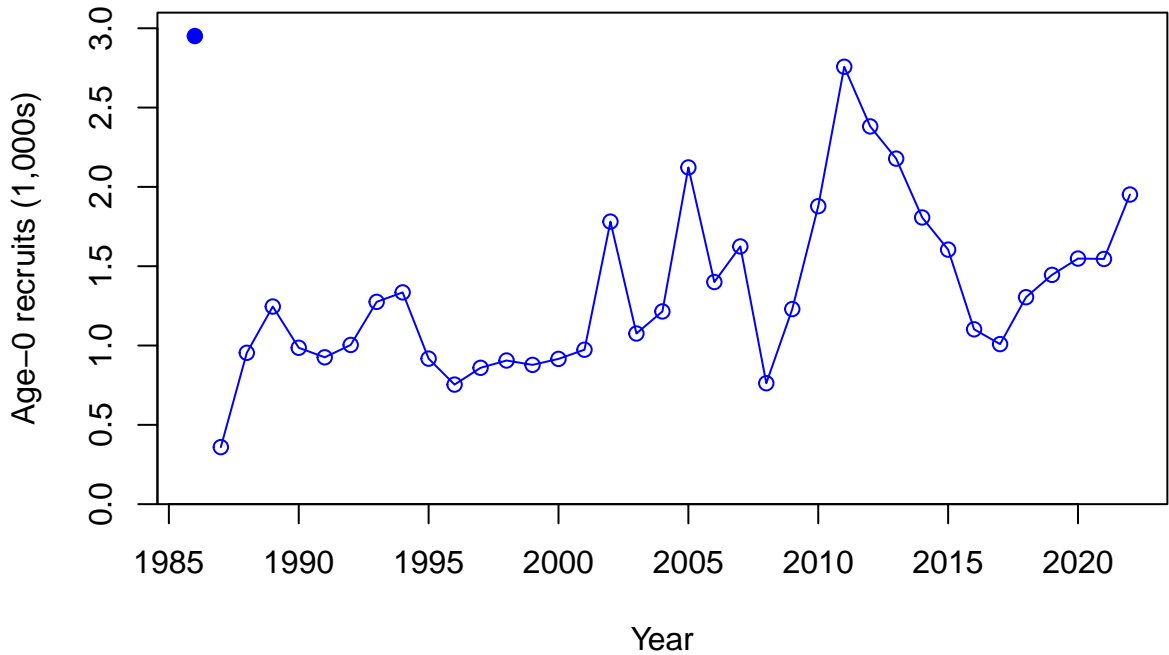


Relative spawning biomass:  $B/B_{MSY}$

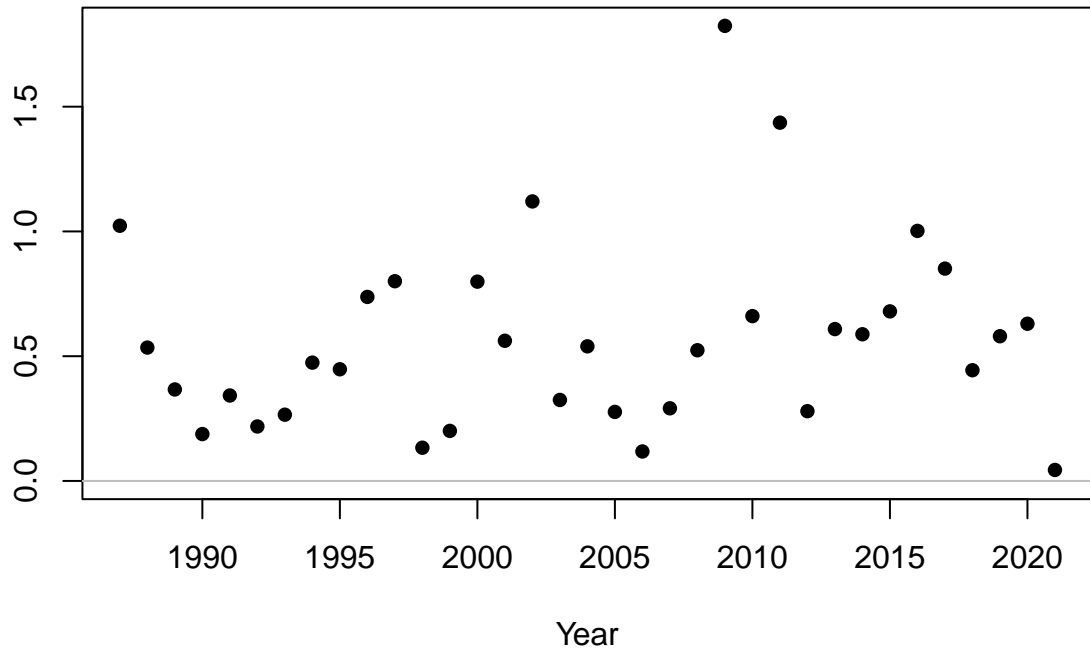


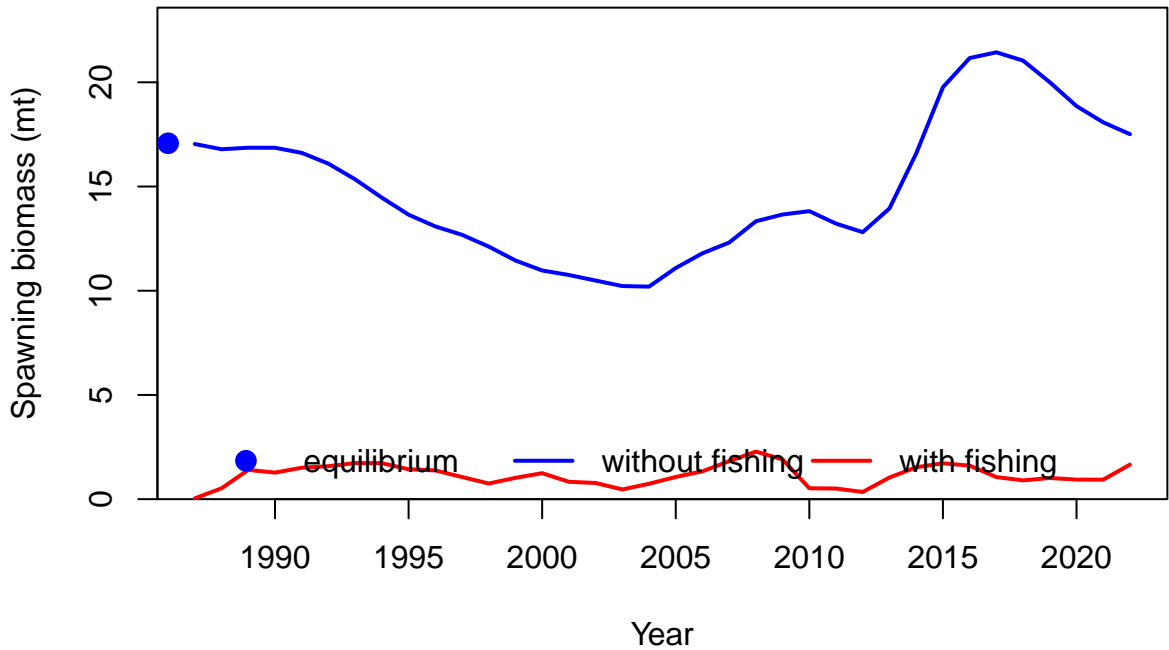






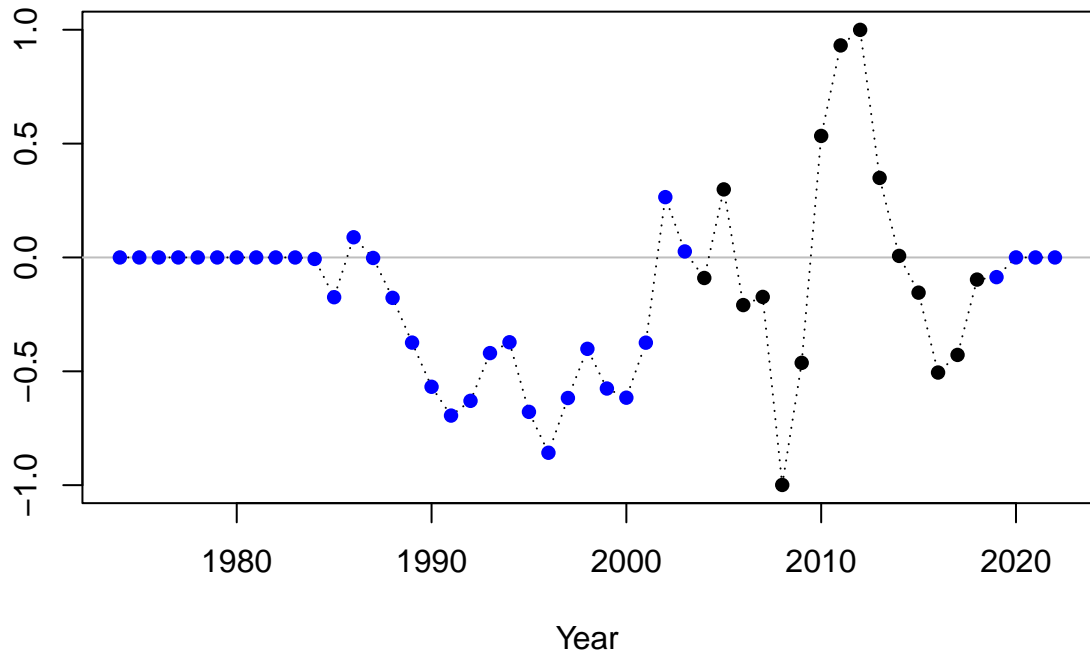
Summary Fishing Mortality



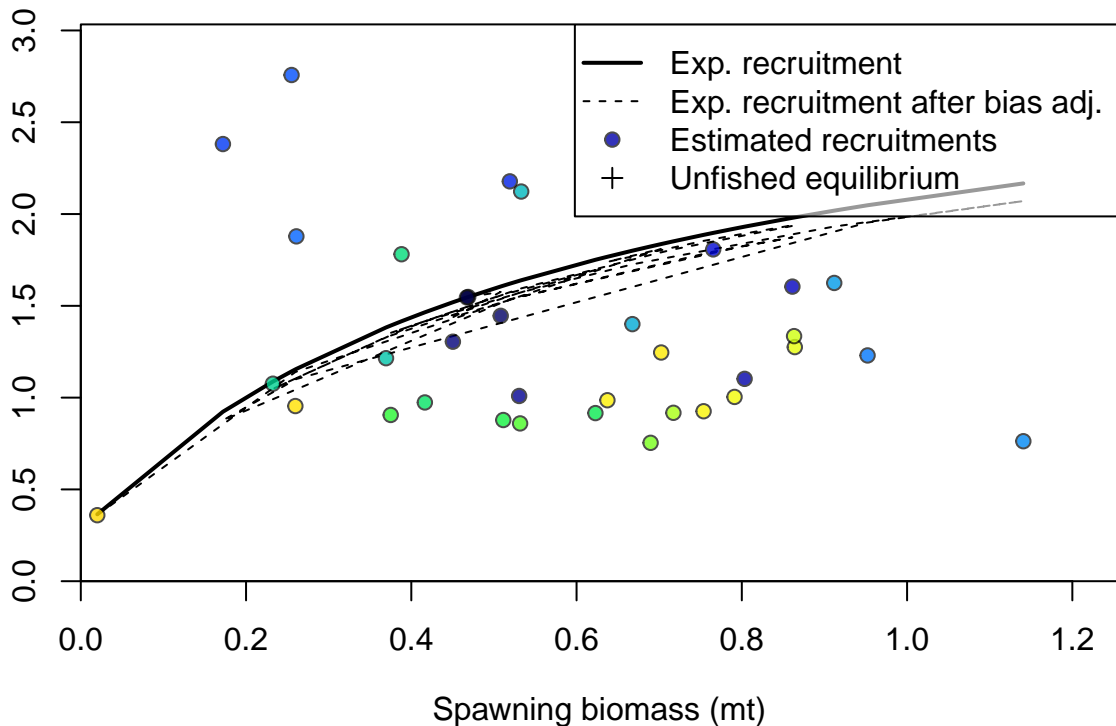




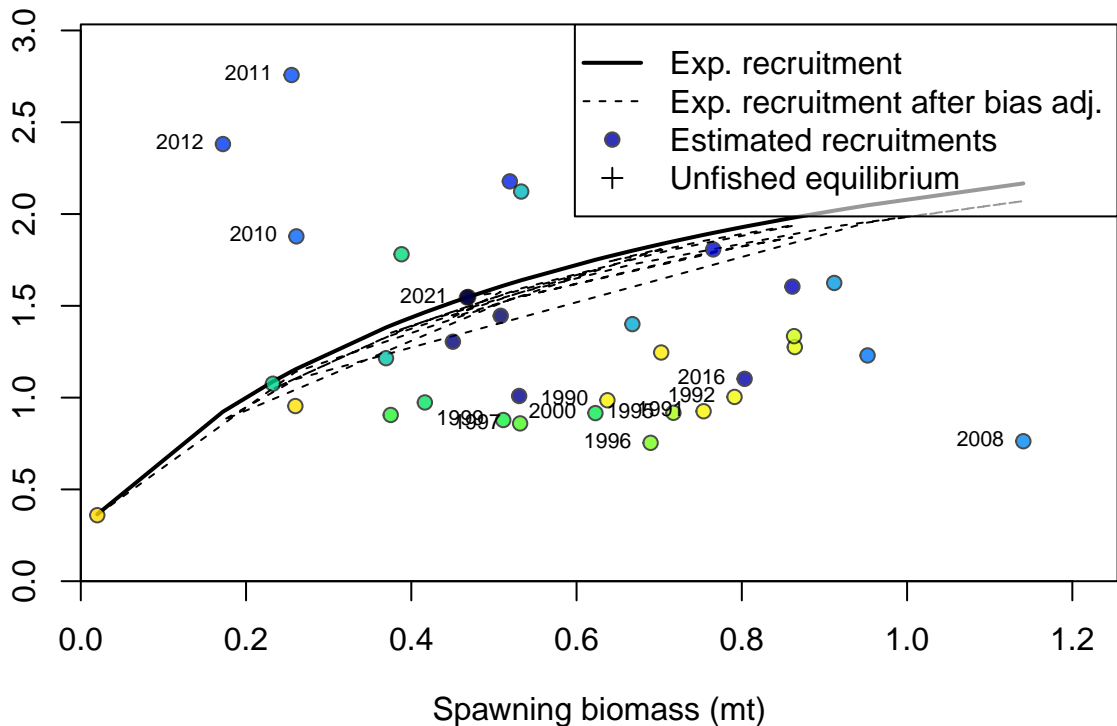
Log recruitment deviation



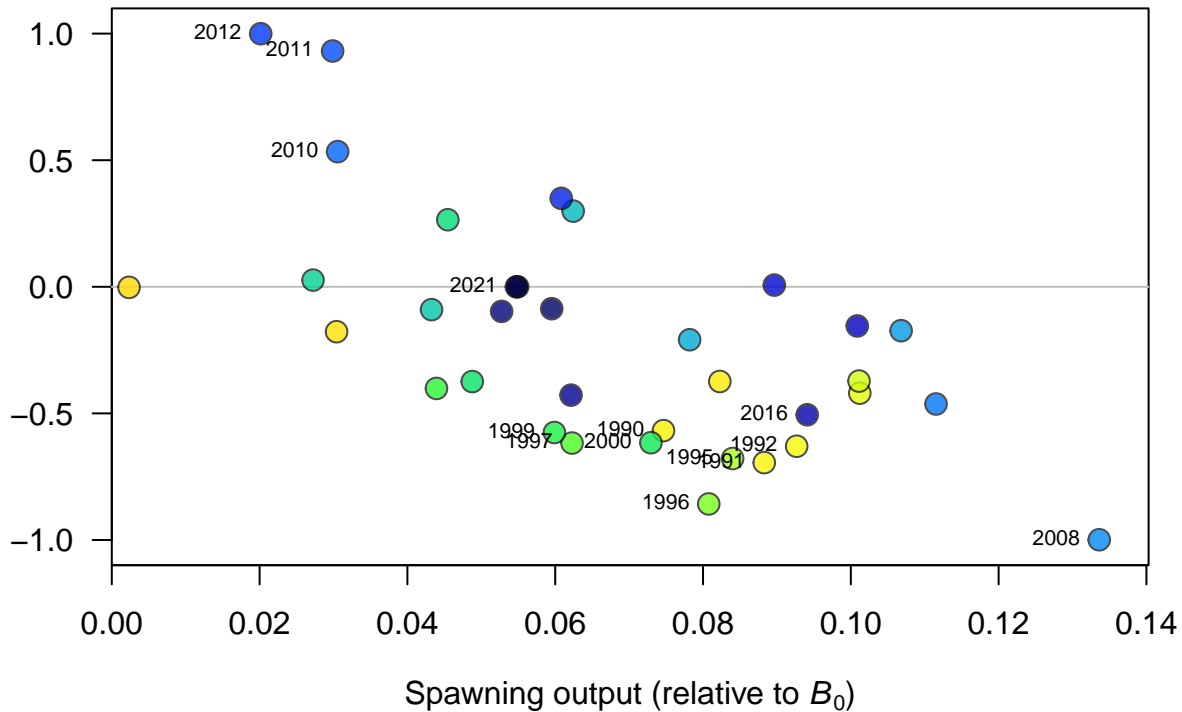
Recruitment (1,000s)

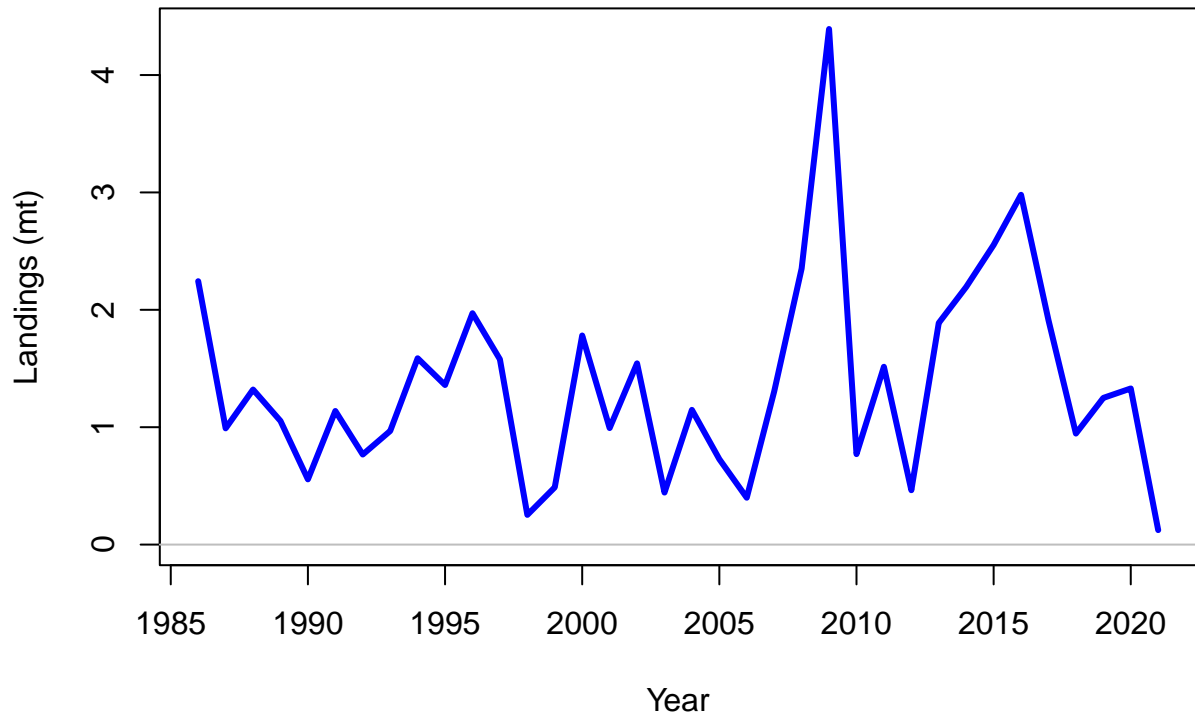


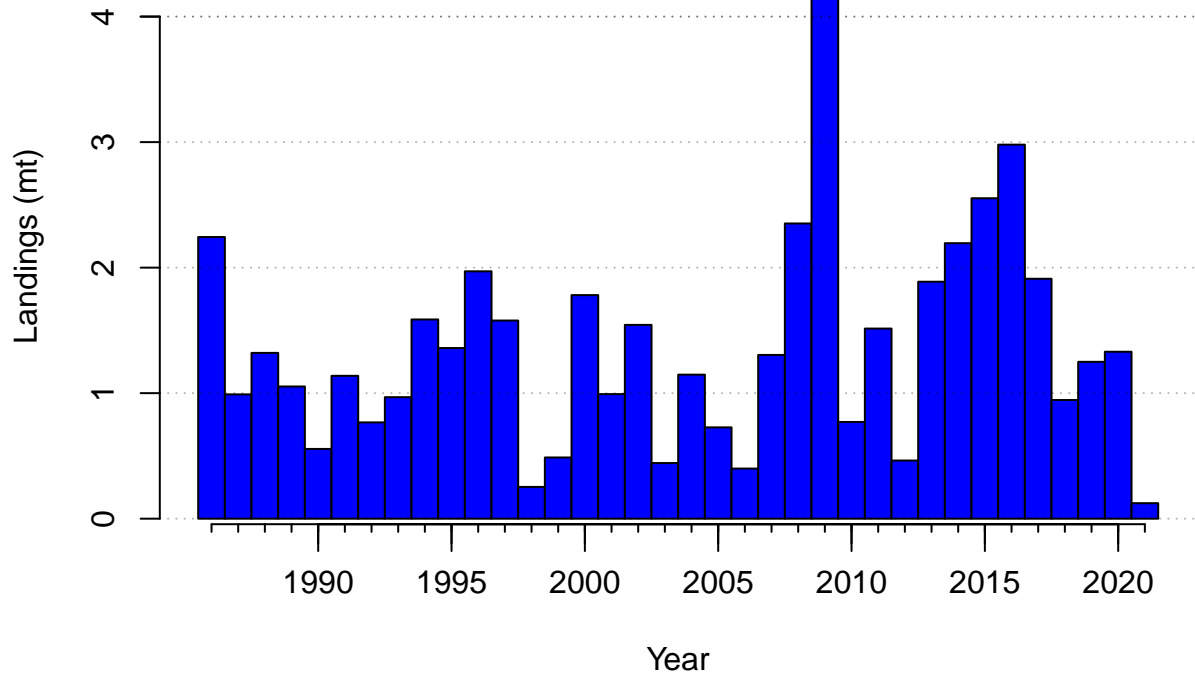
Recruitment (1,000s)

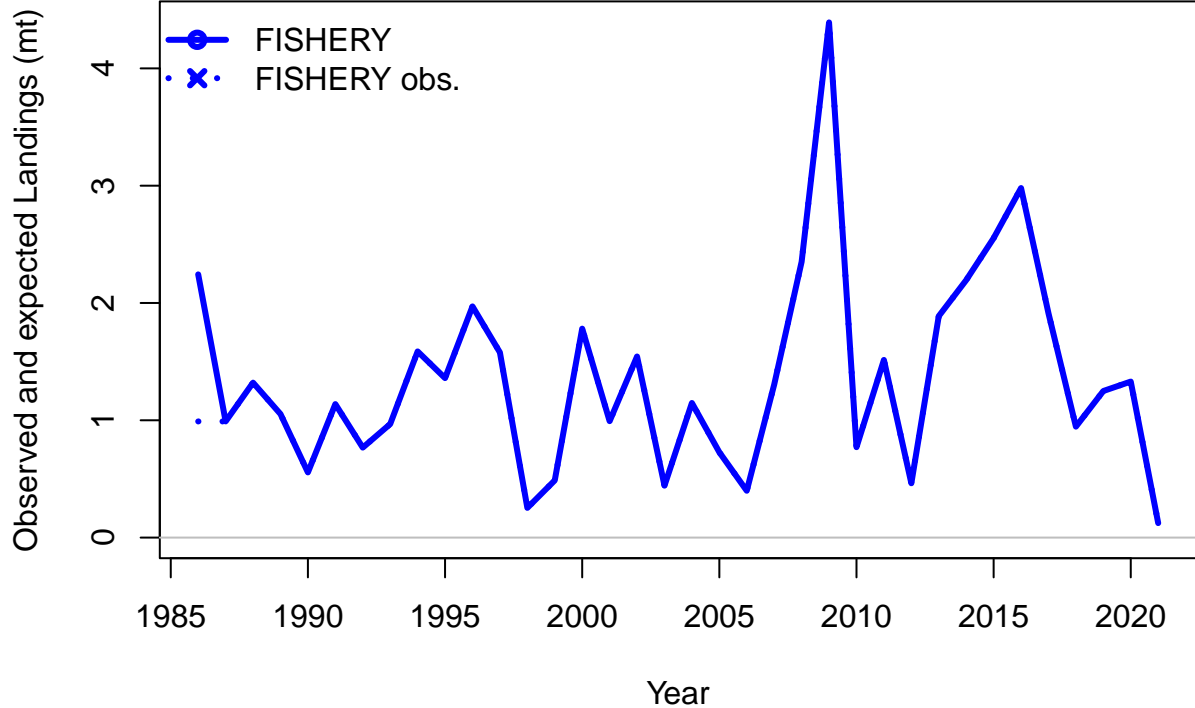


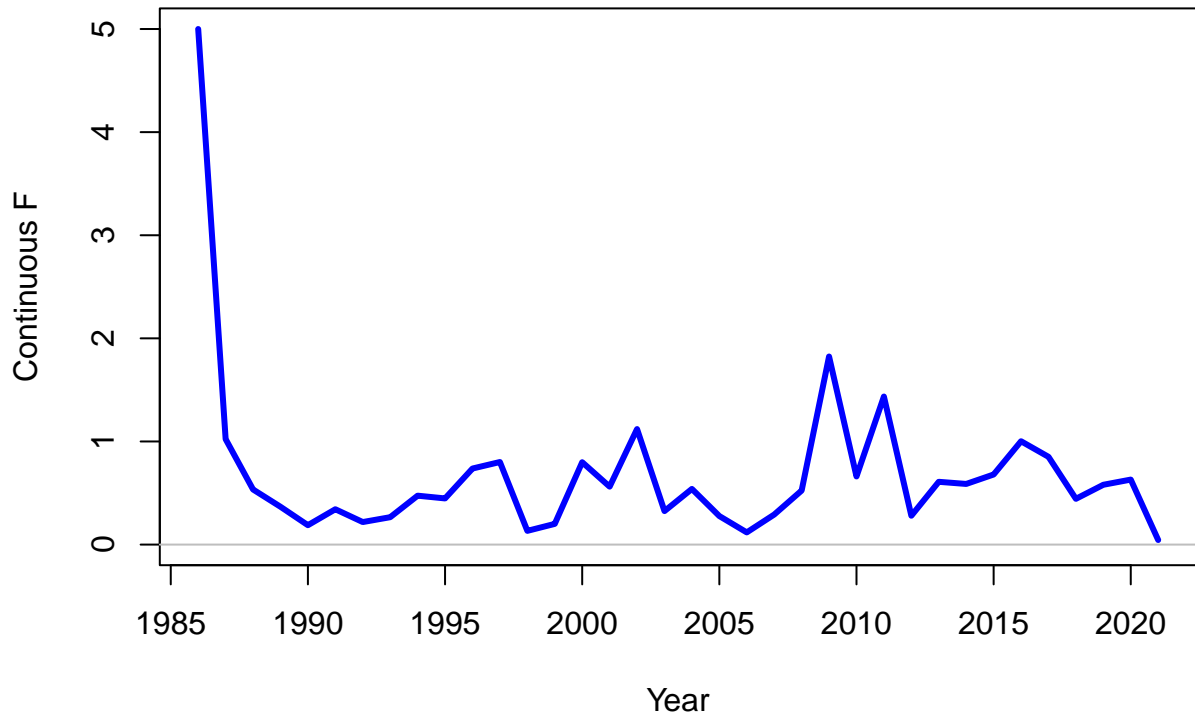
Log recruitment deviation





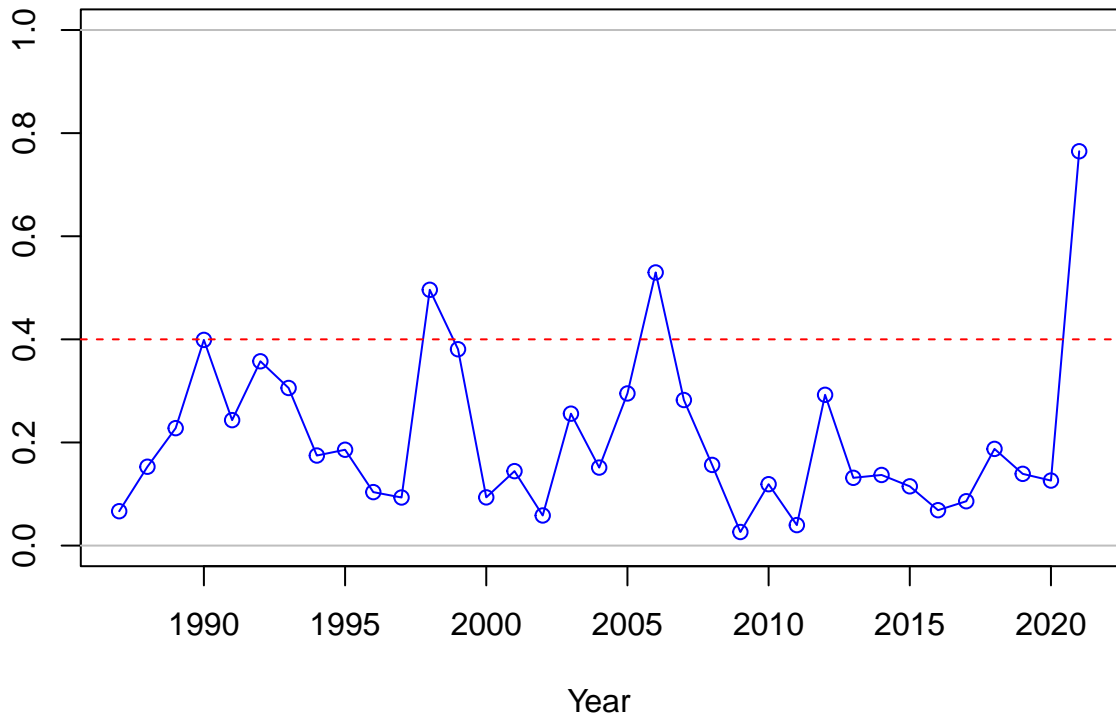




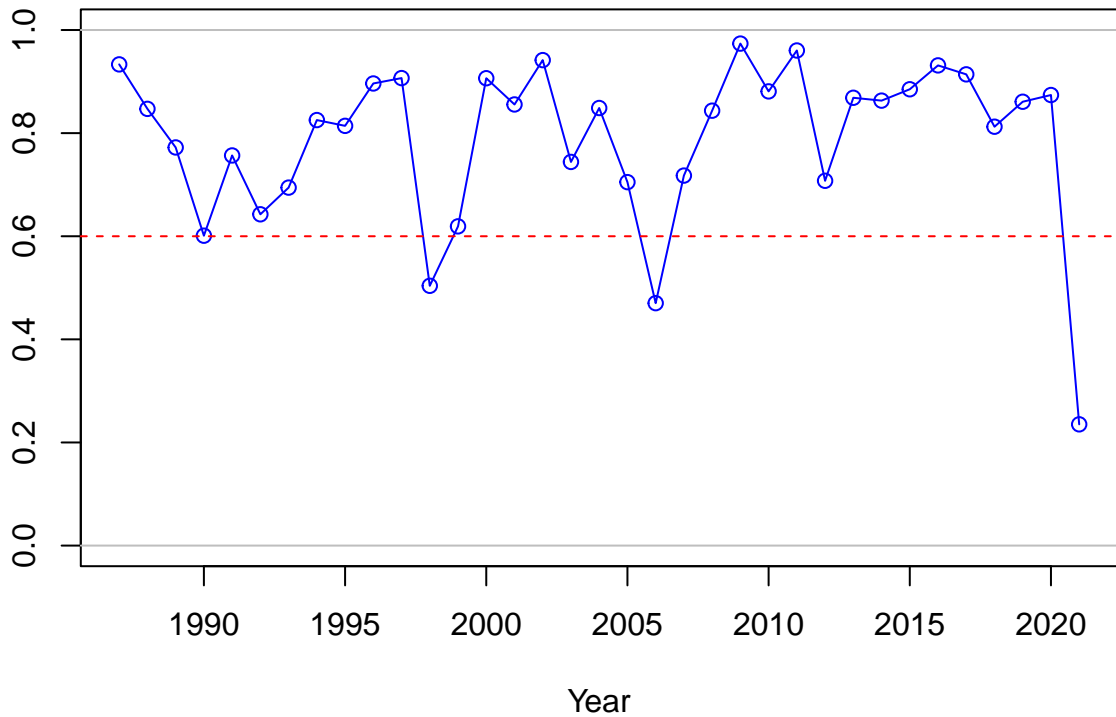




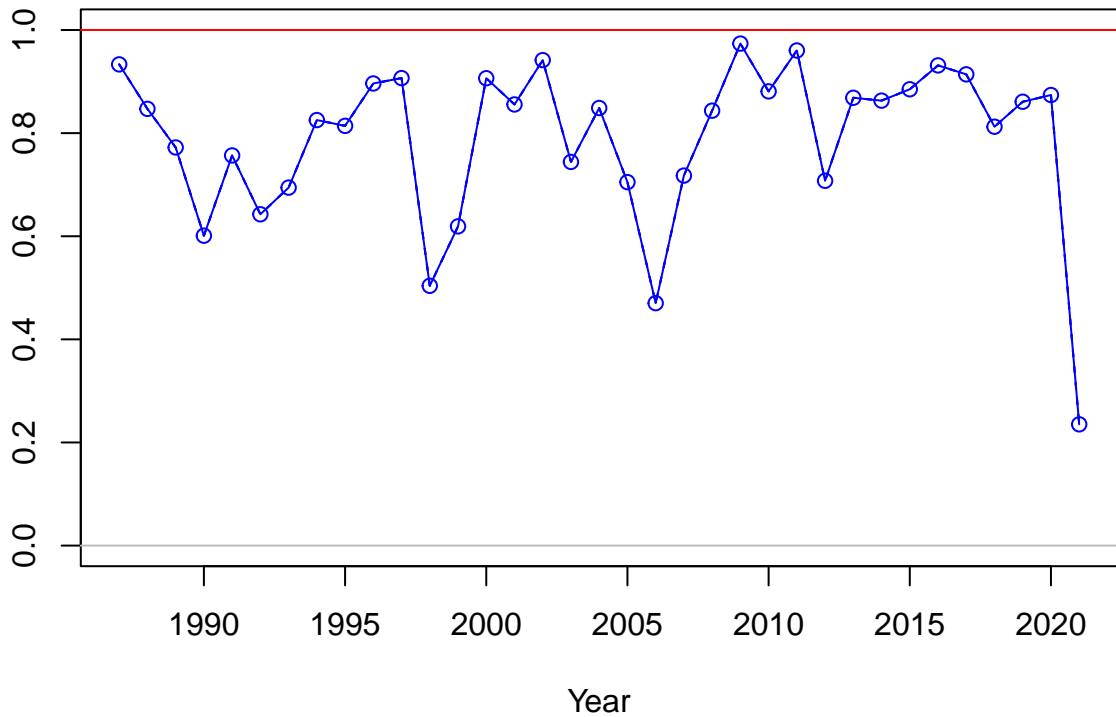
SPR



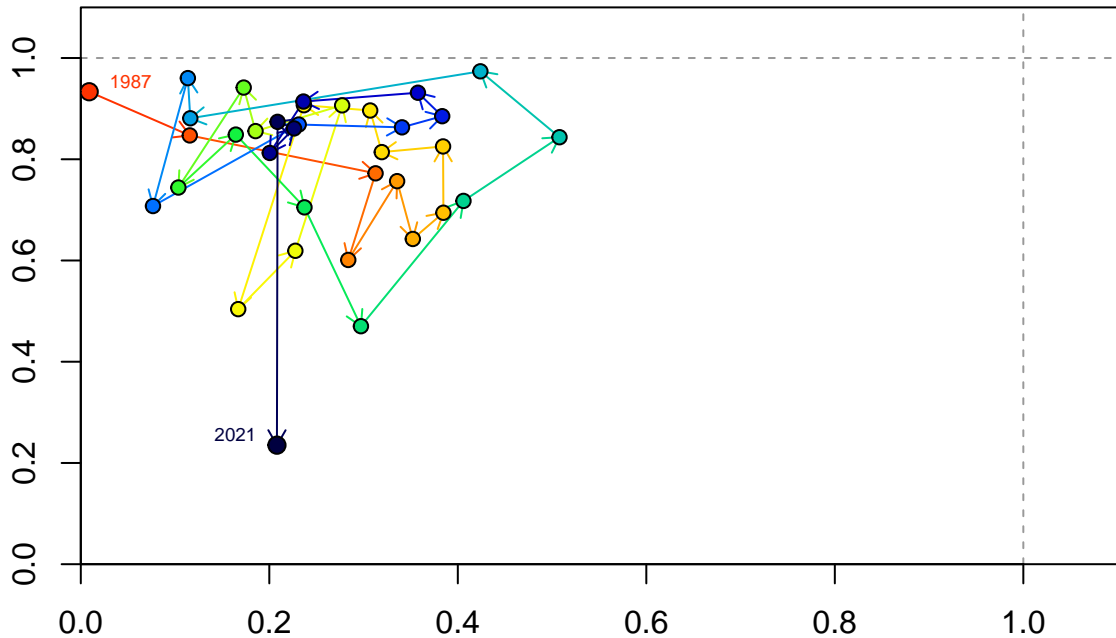
1-SPR



Fishing intensity: 1-SPR

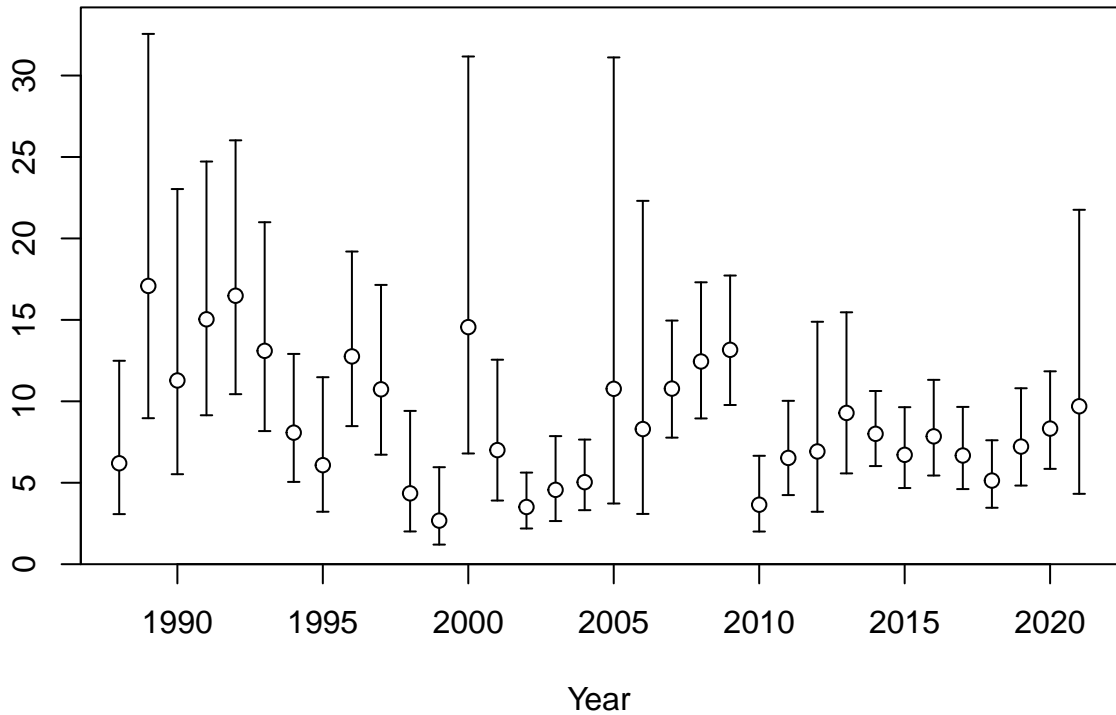


Fishing intensity: 1-SPR

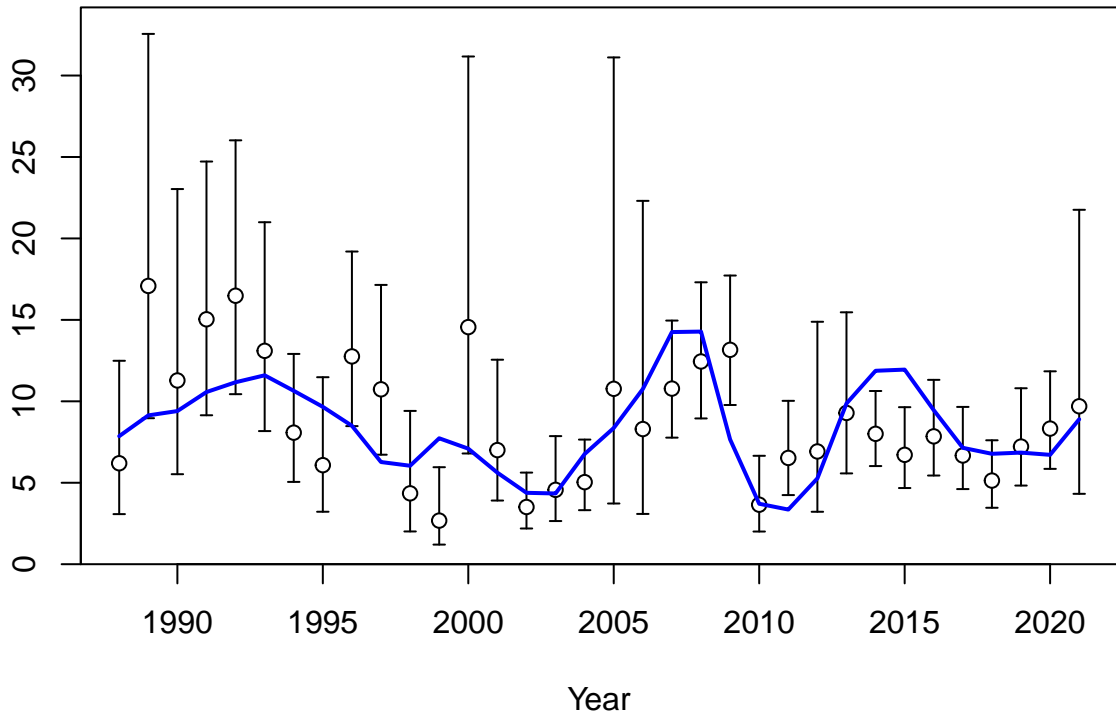


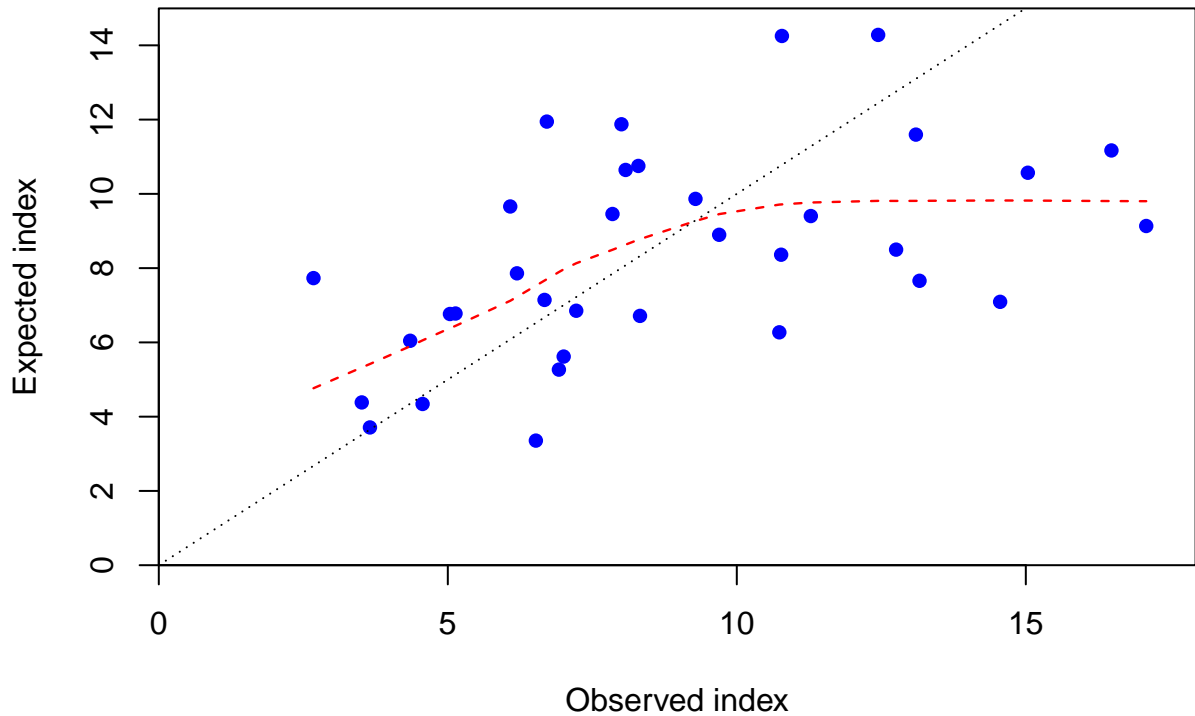
Relative spawning output:  $B/B_{MSY}$

Index

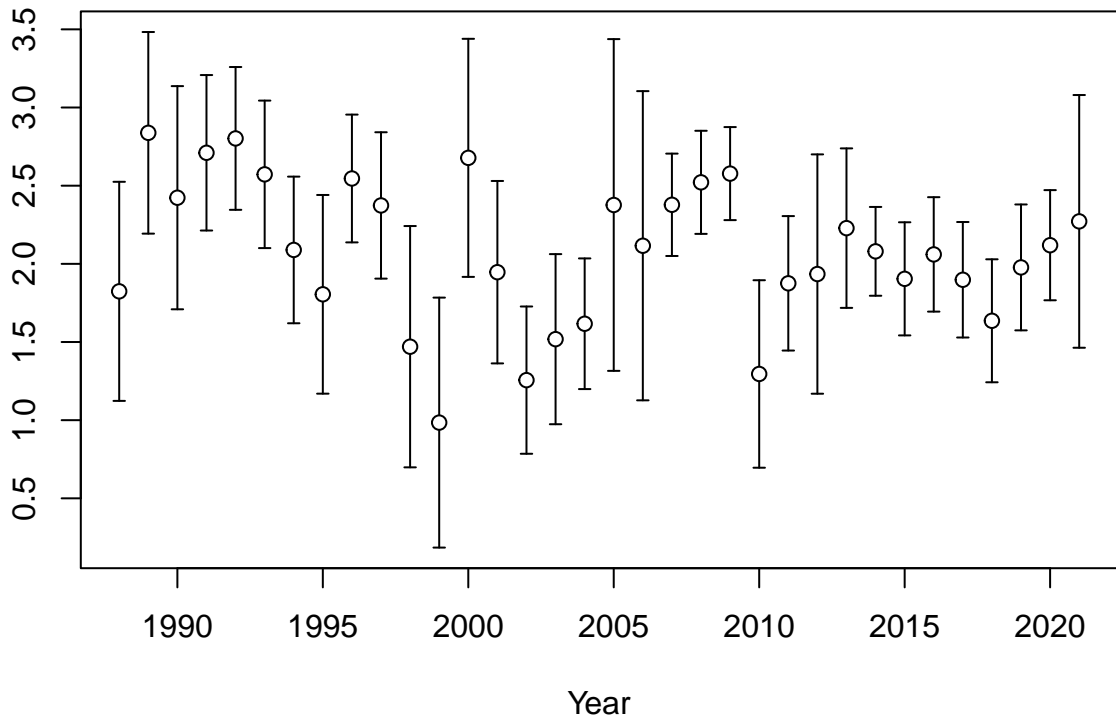


Index



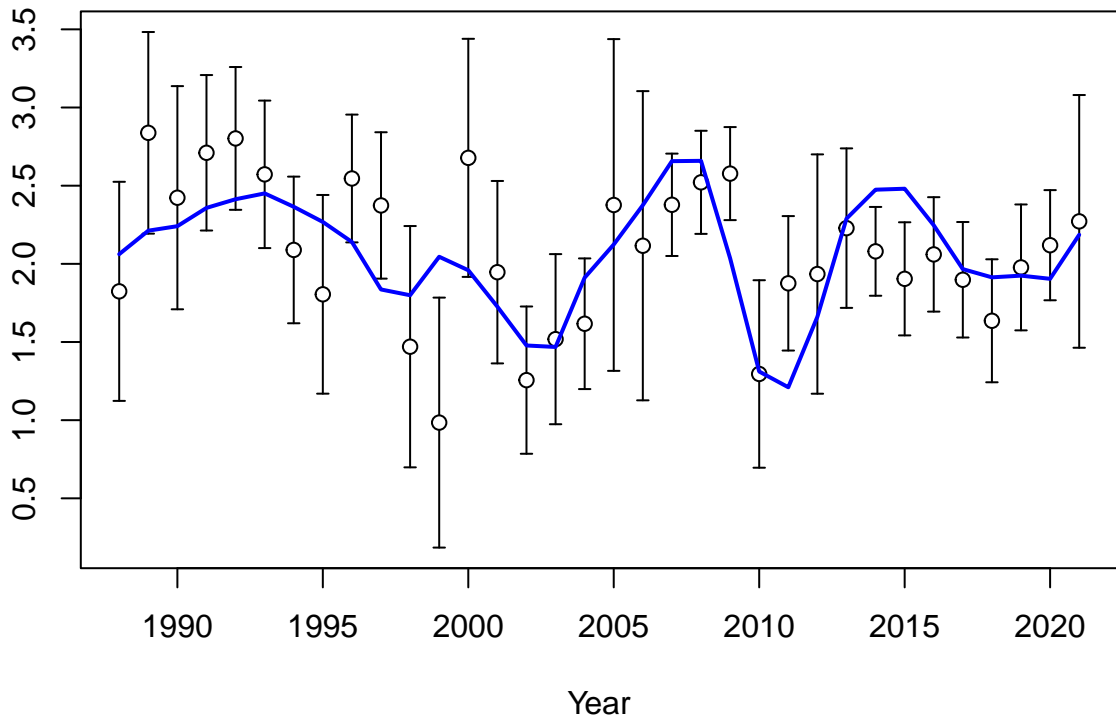


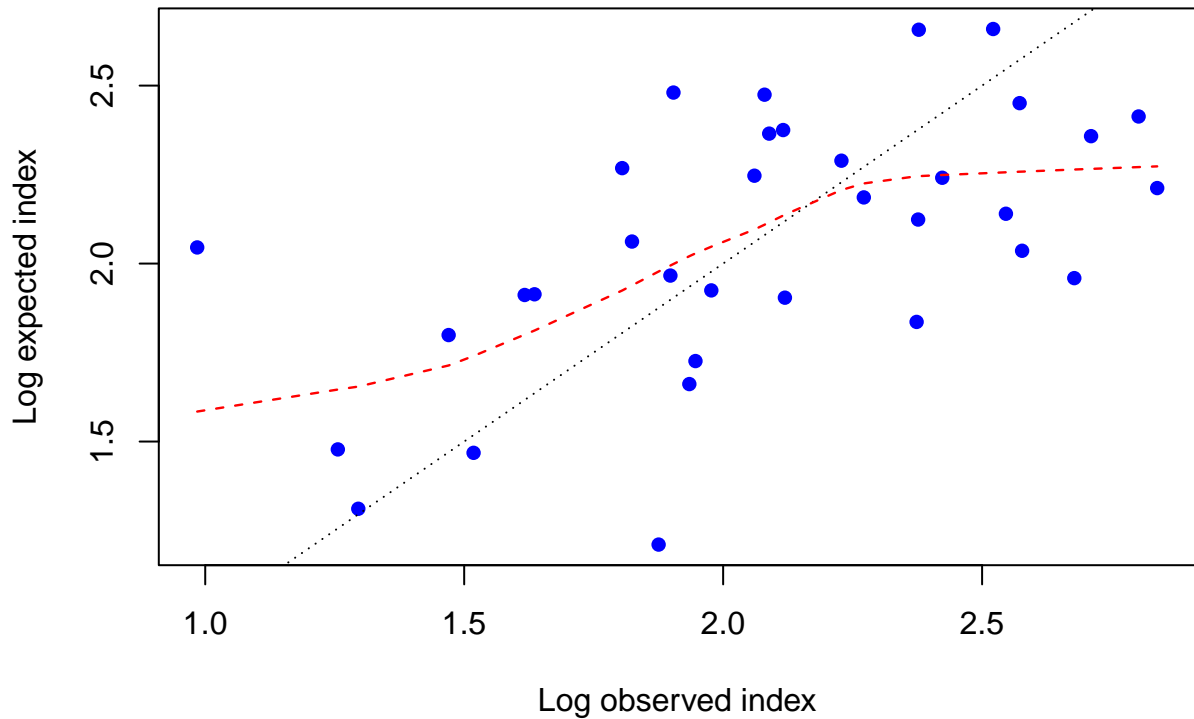
Log index

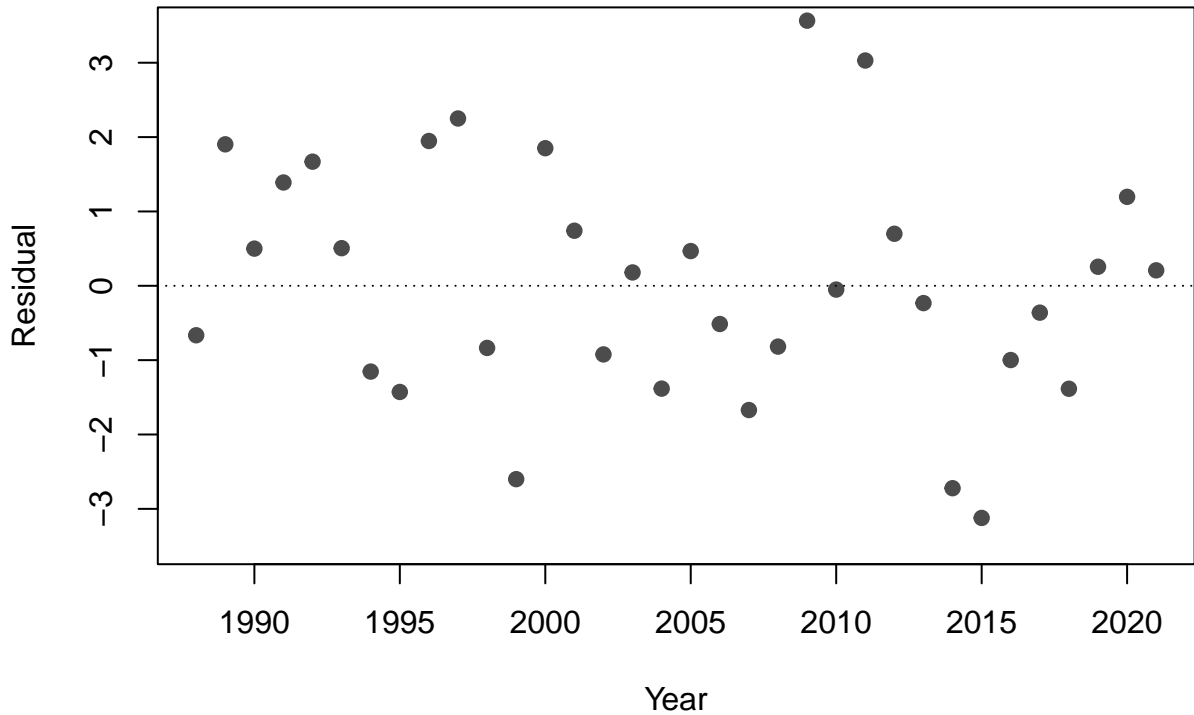


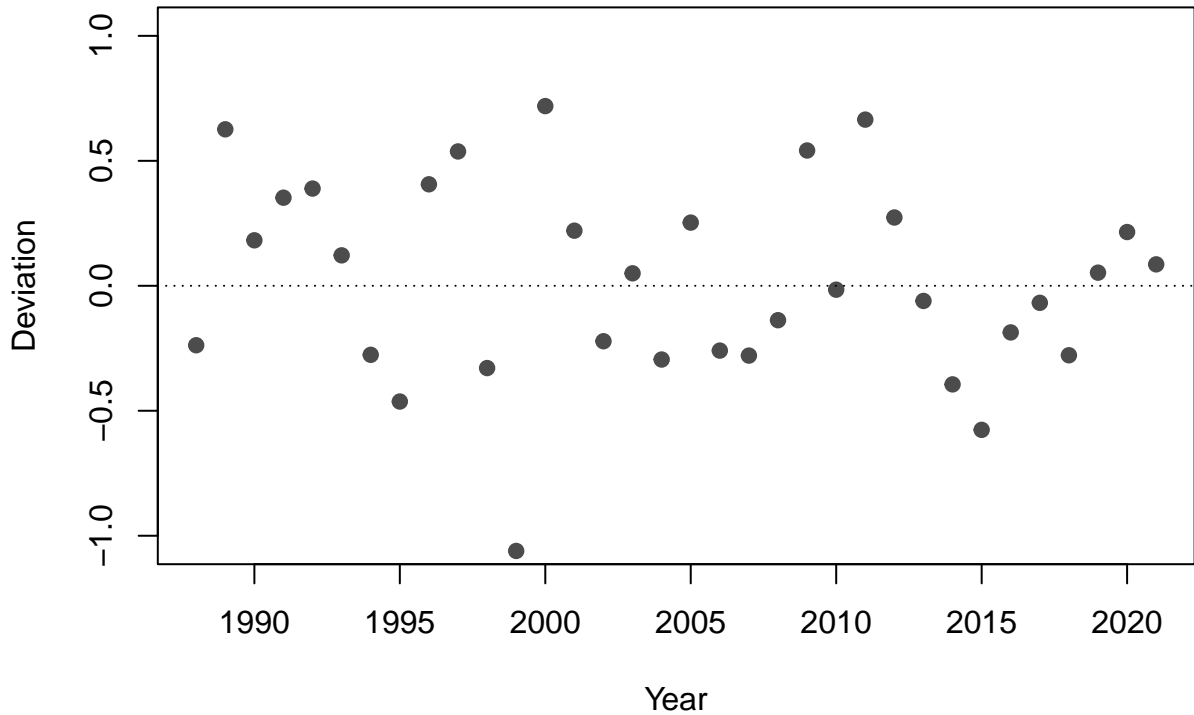


Log index

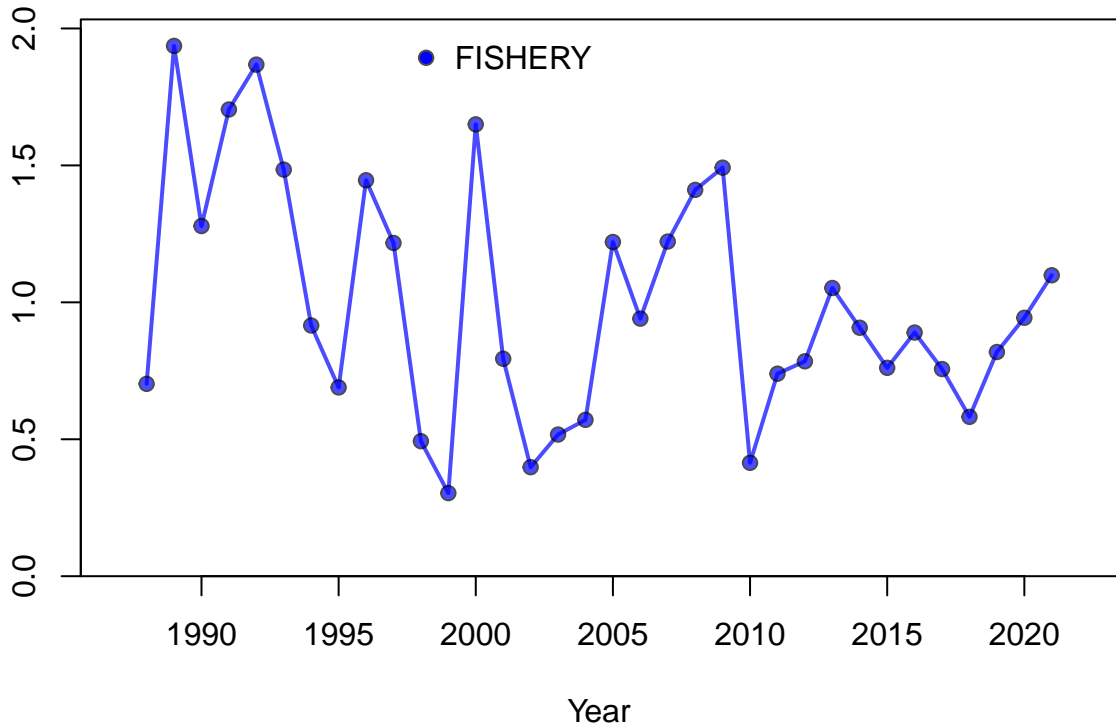




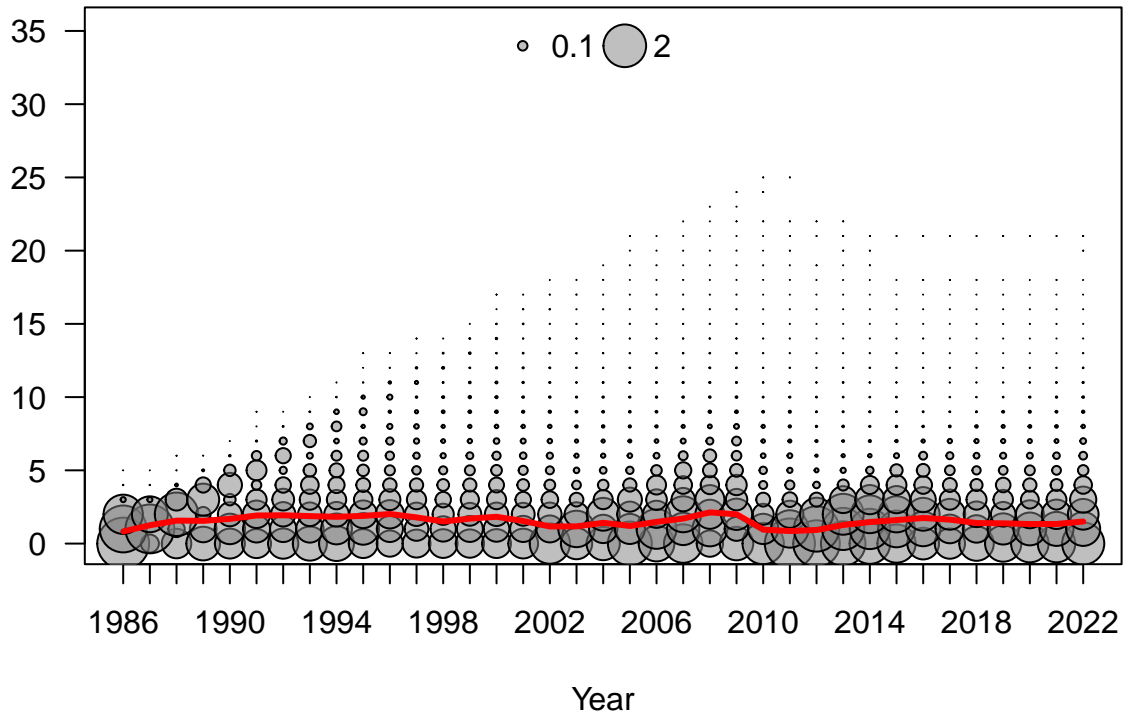


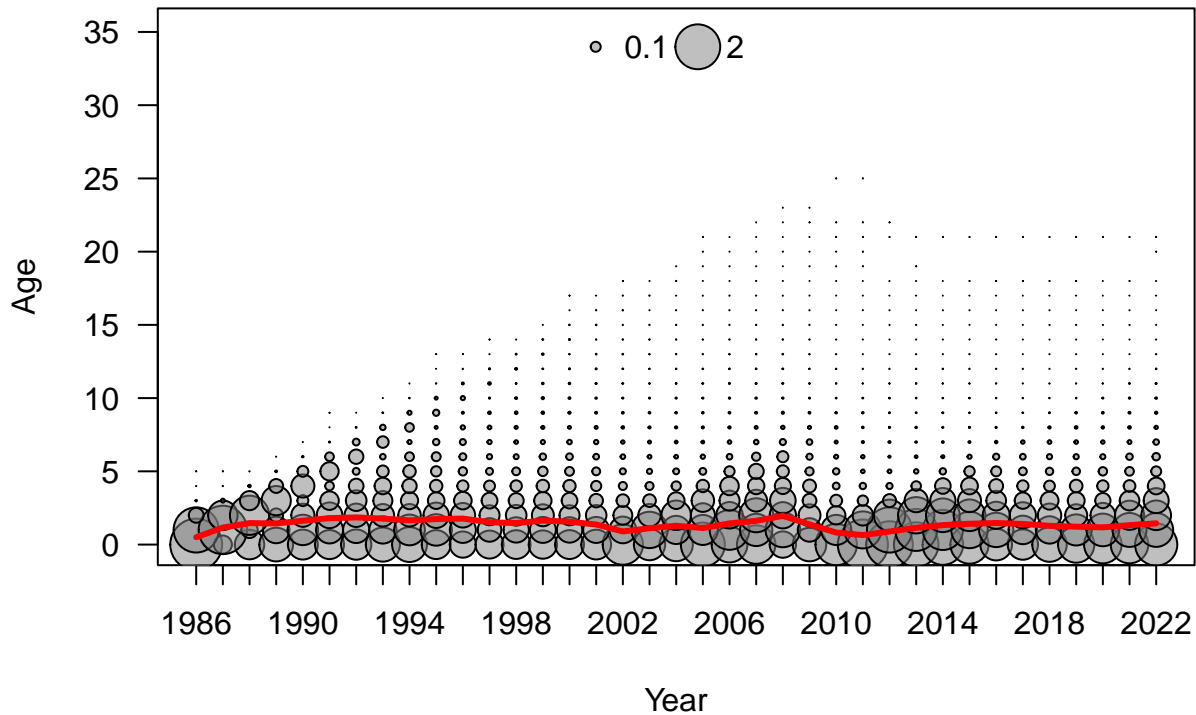


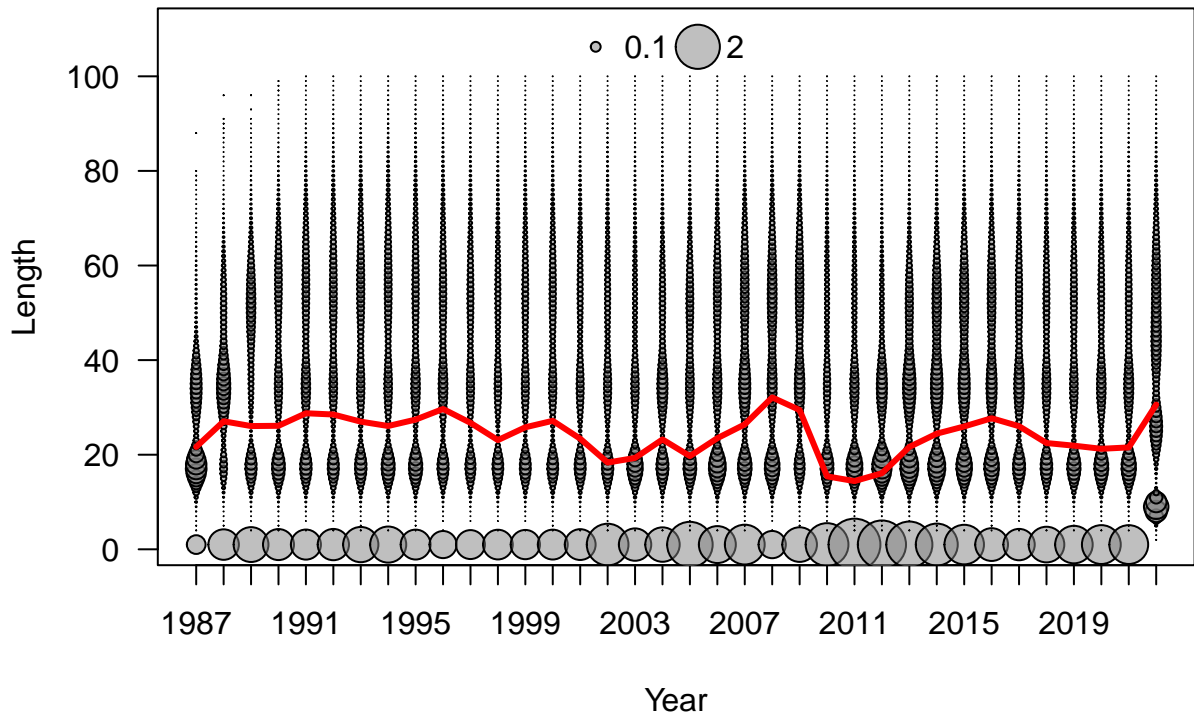
Standardized index



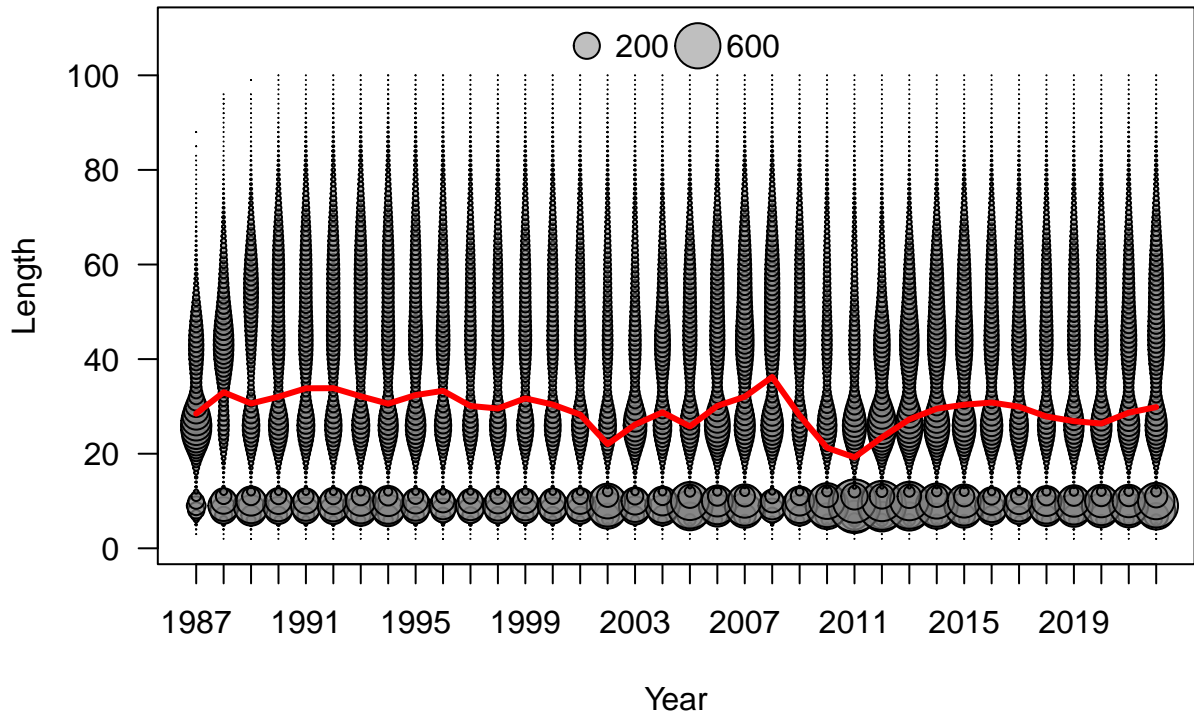
Age

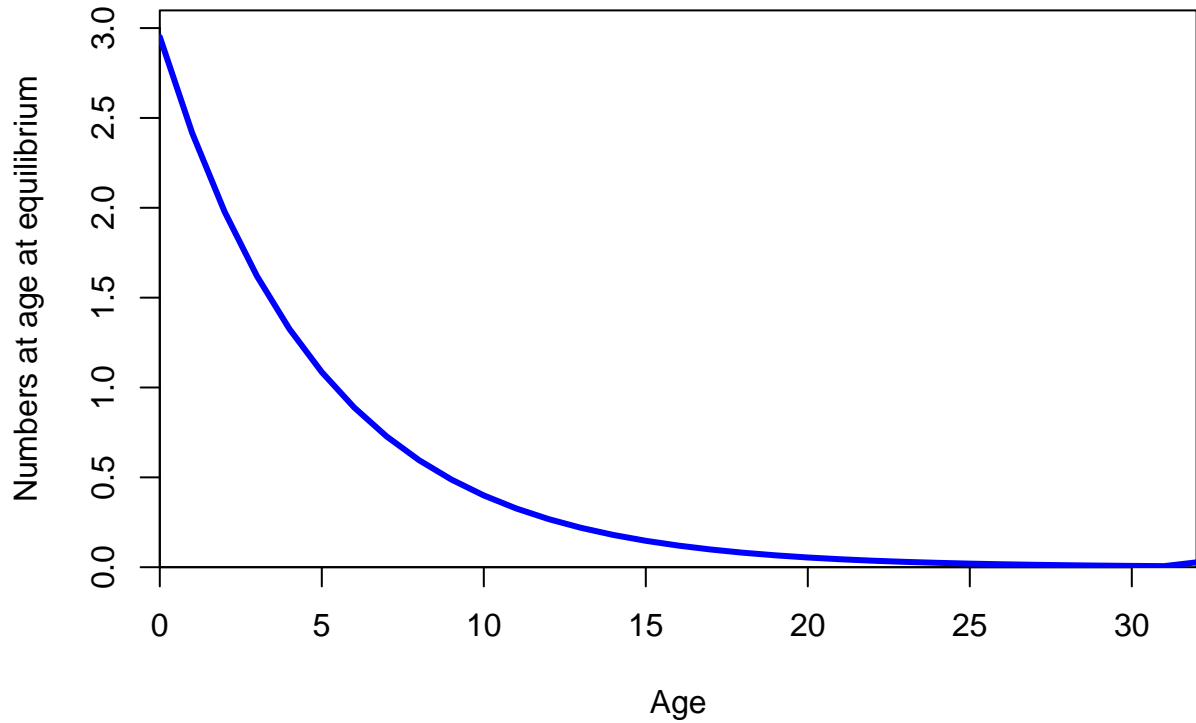


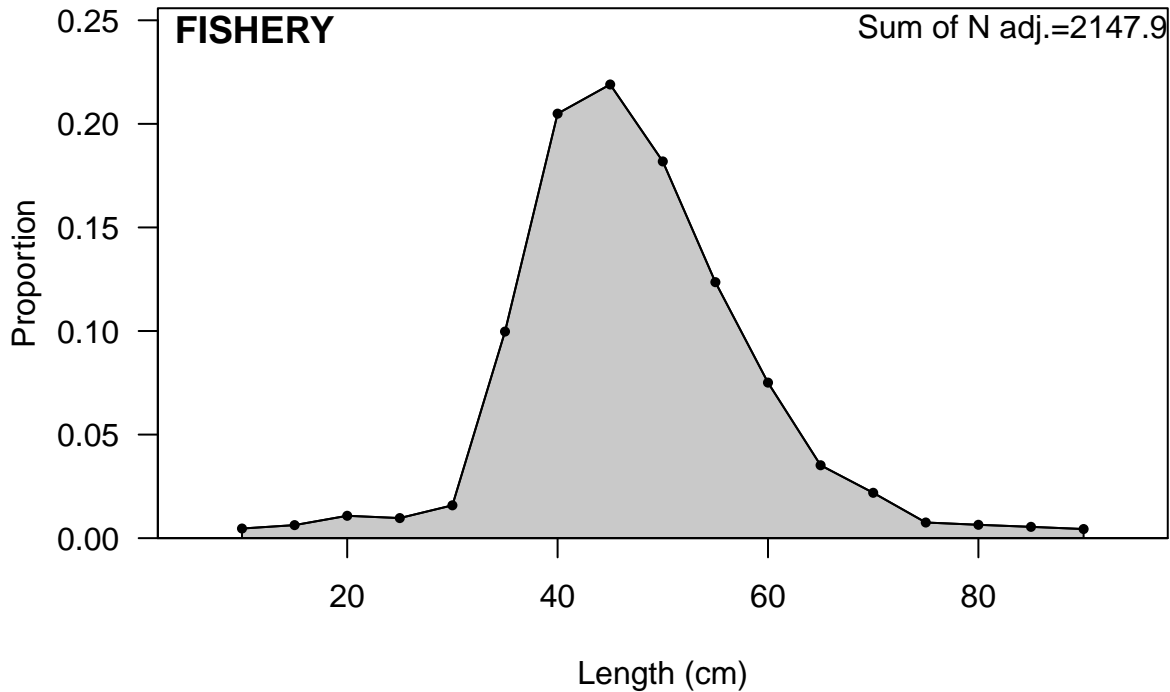










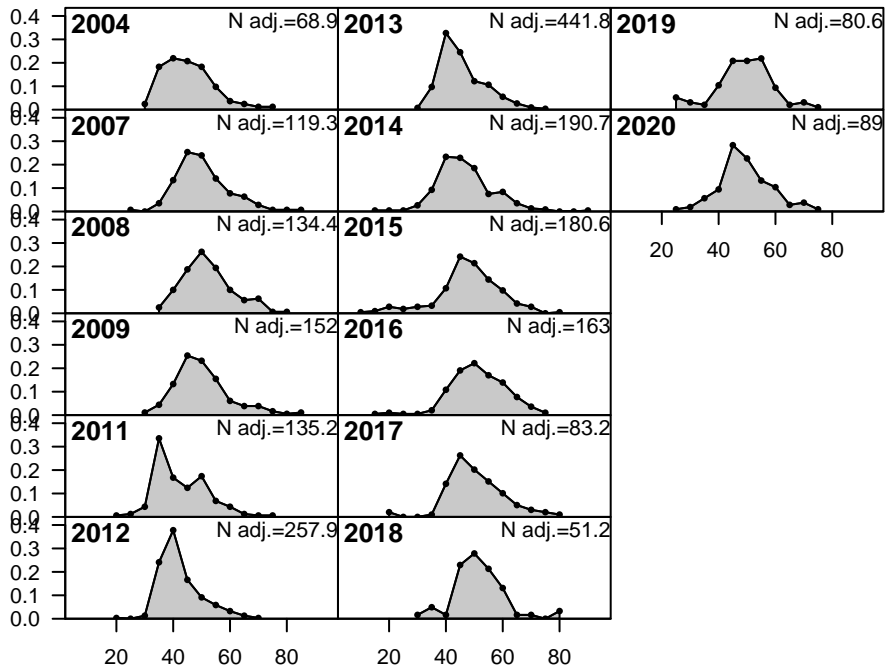


# FISHERY

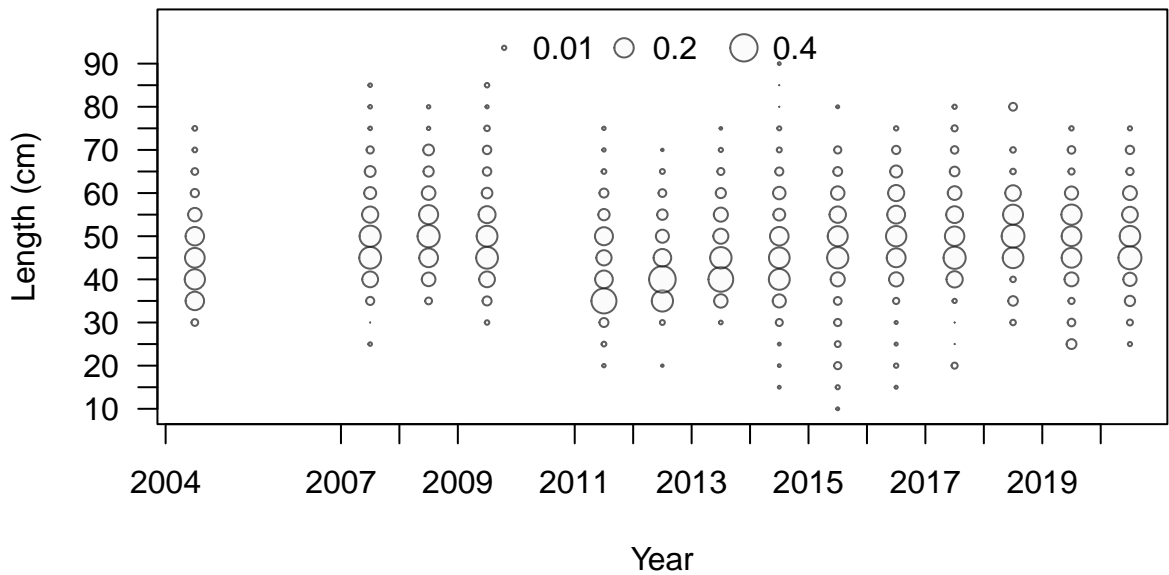
• 0.01 ○ 0.2 ○ 0.4



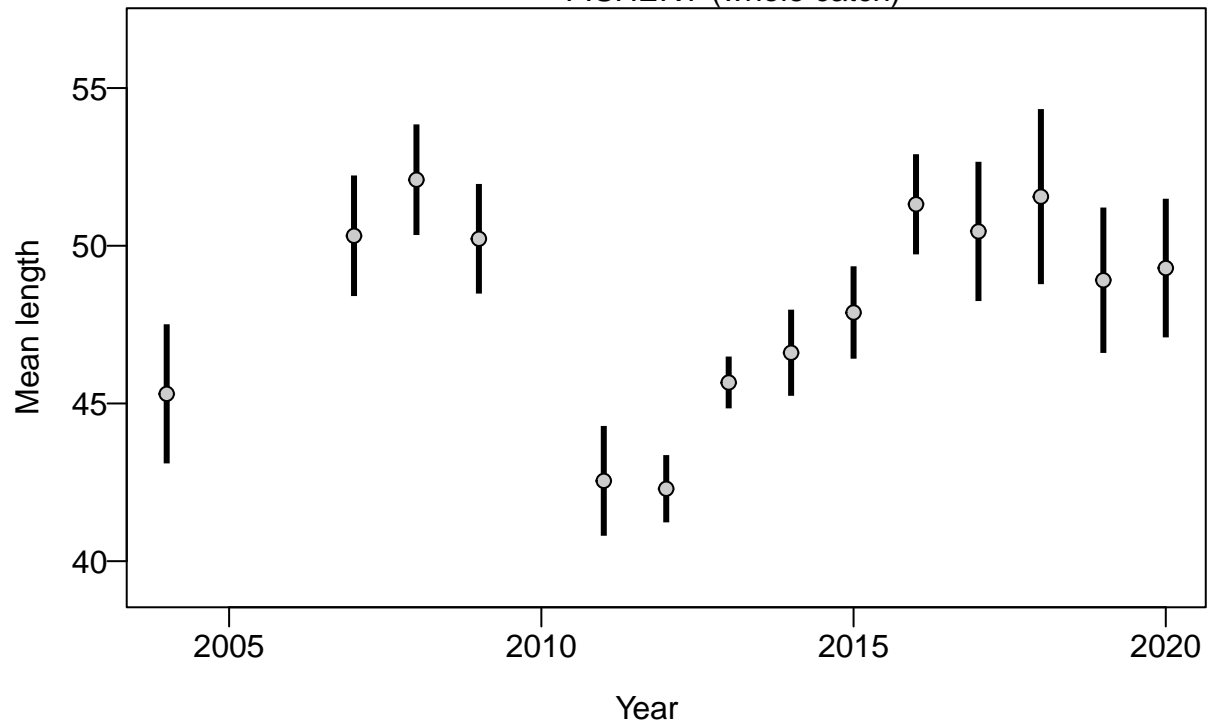
Proportion

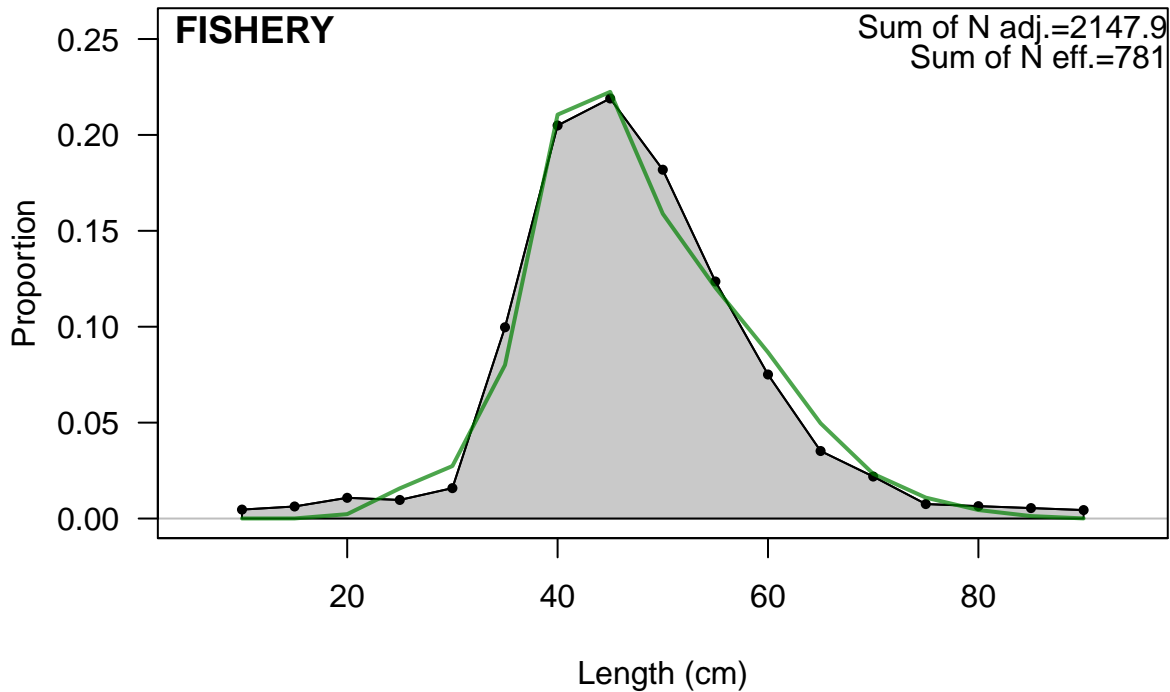


Length (cm)

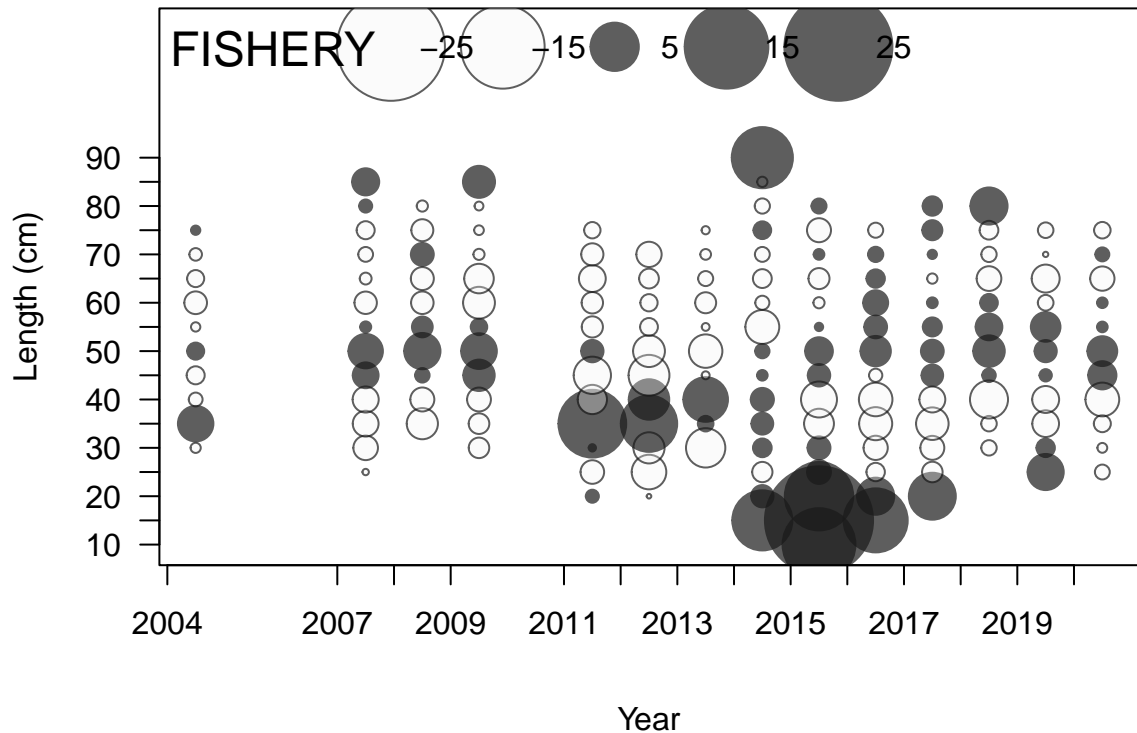


FISHERY (whole catch)

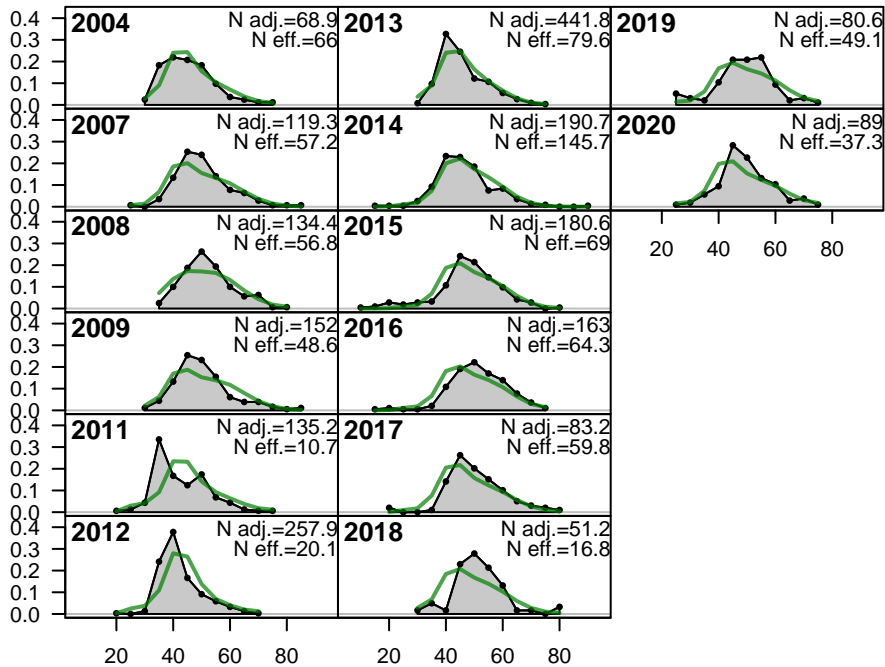




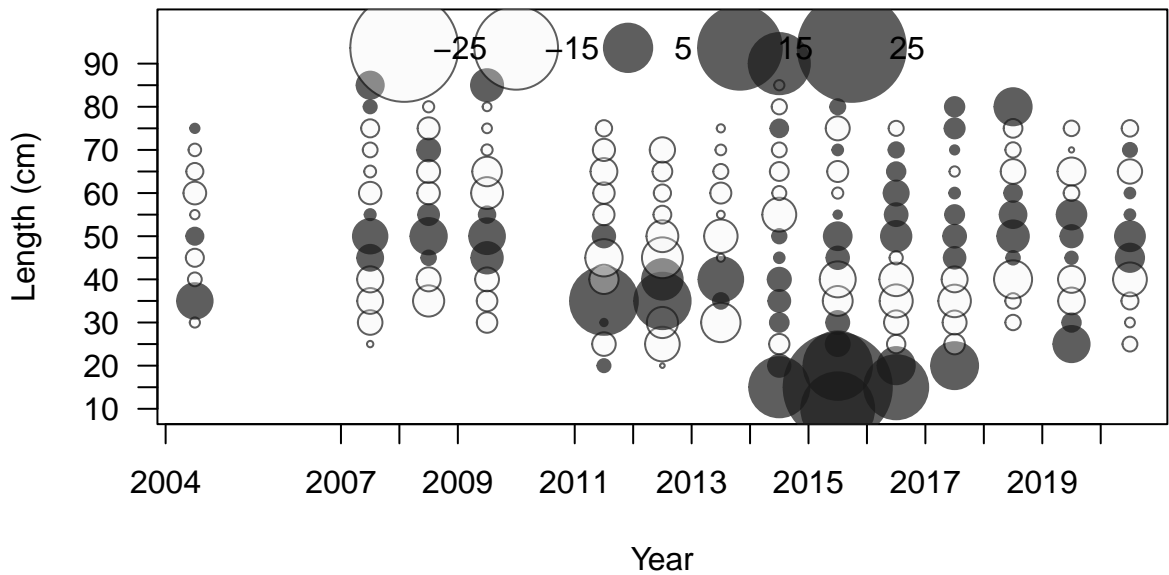




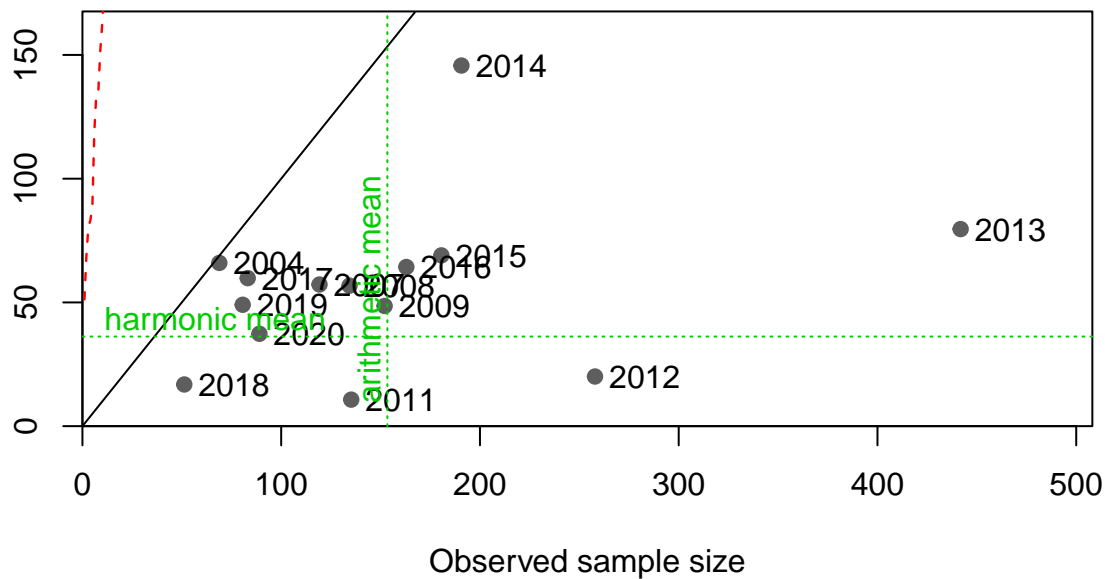
Proportion



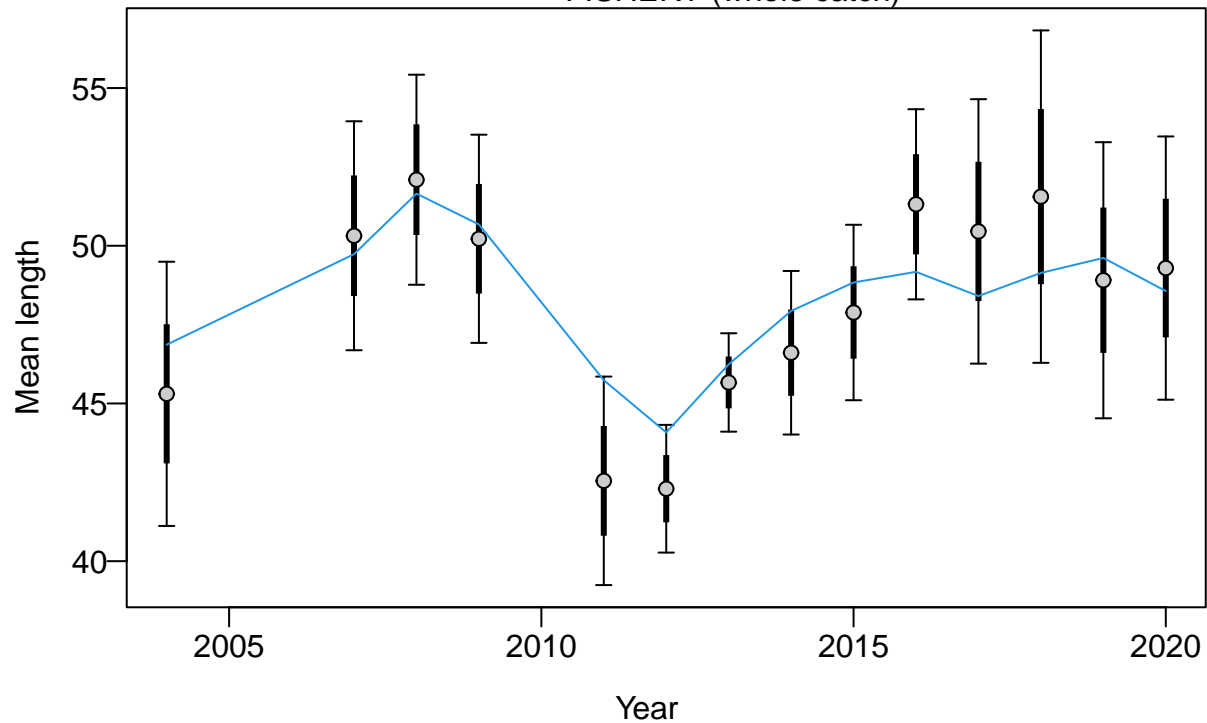
Length (cm)

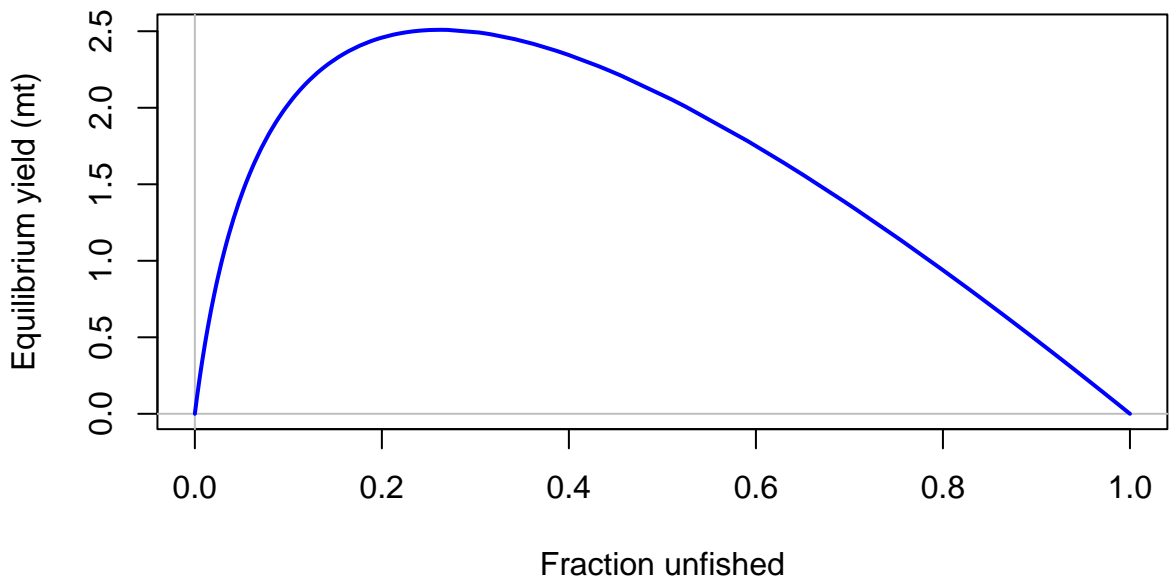


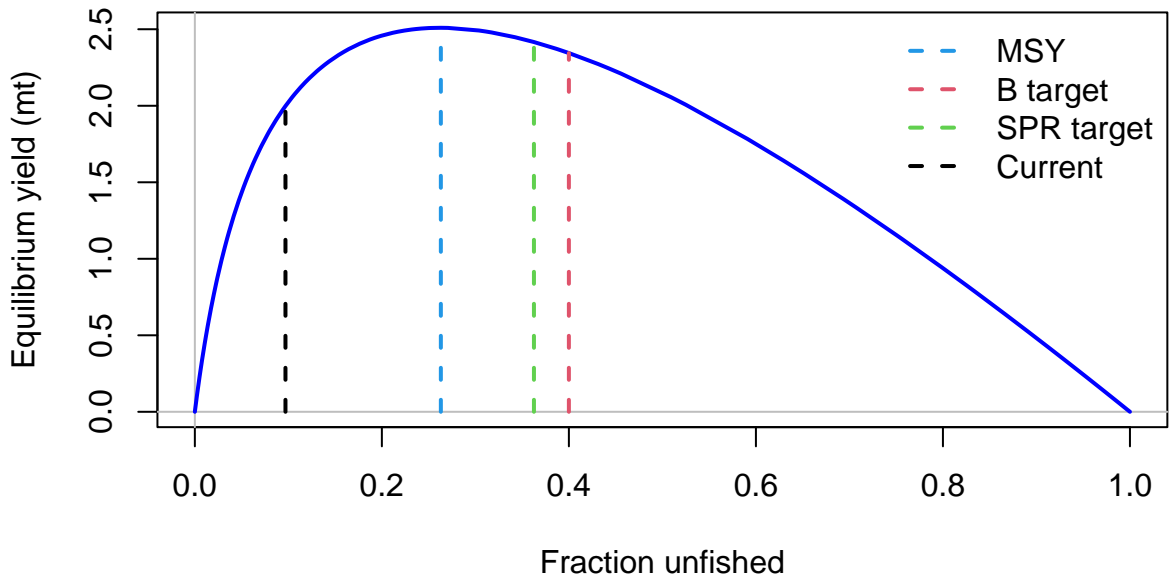
Effective sample size

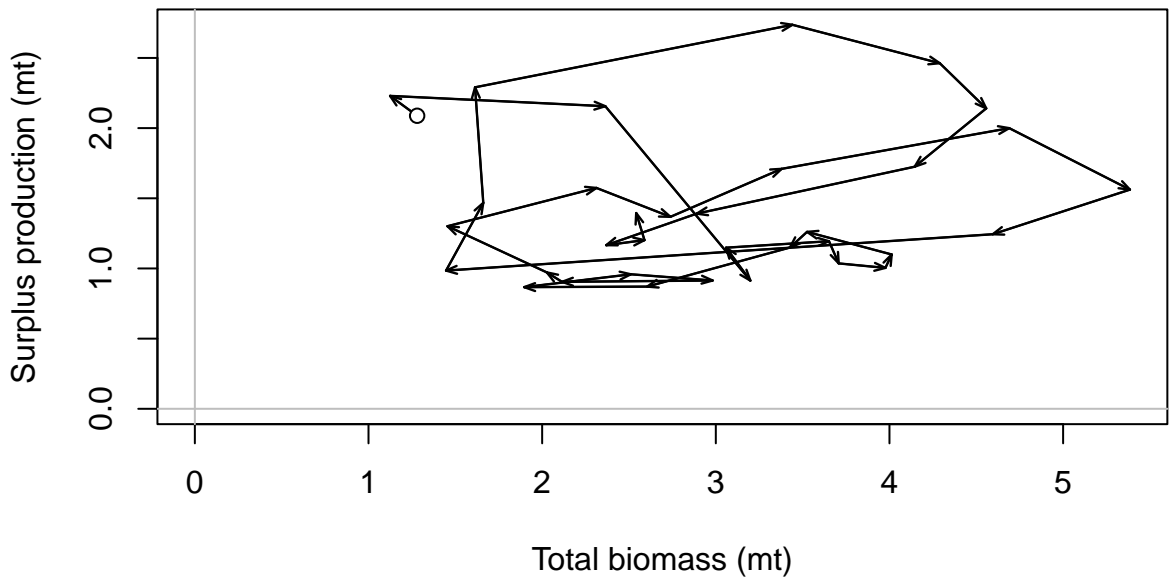


## FISHERY (whole catch)

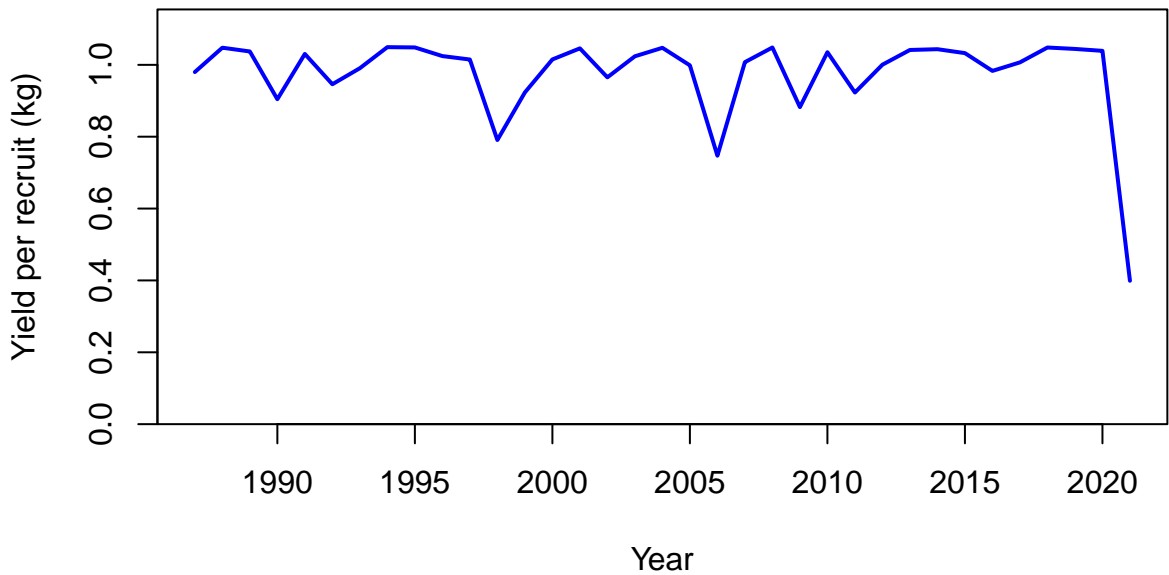


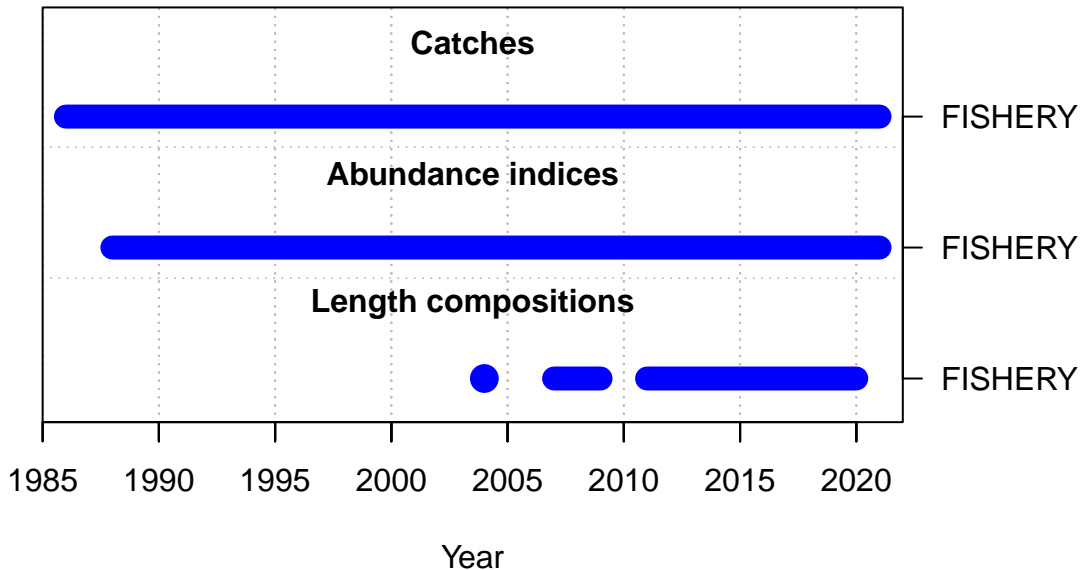


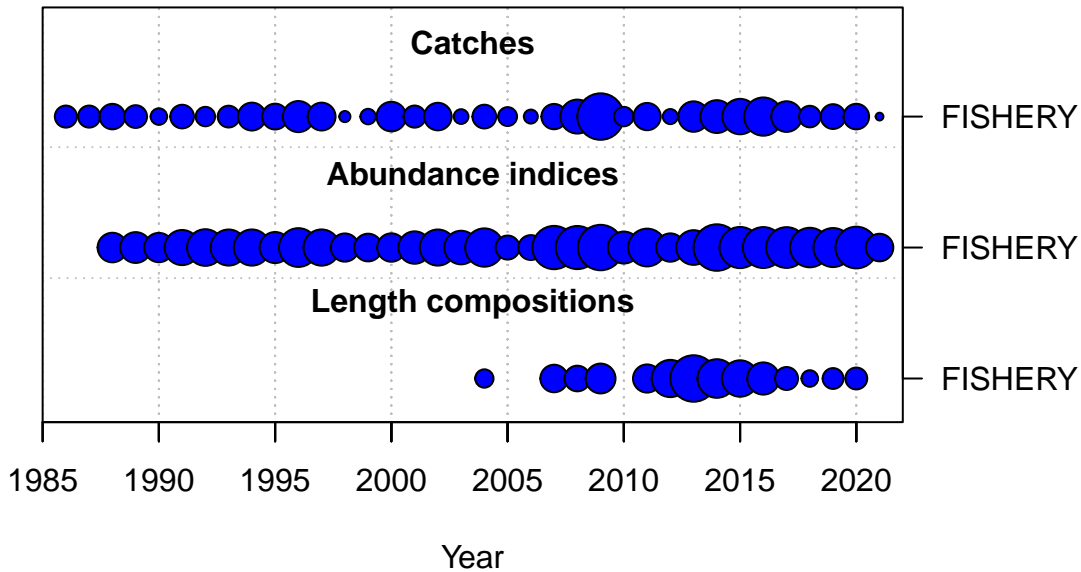




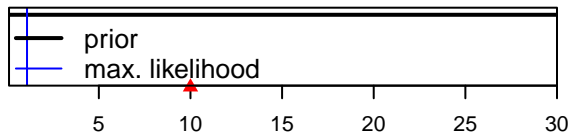




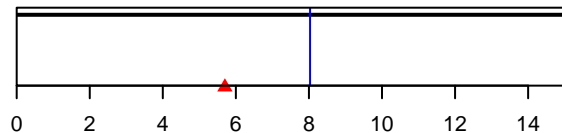




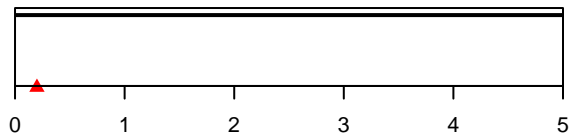
SR\_LN(R0)



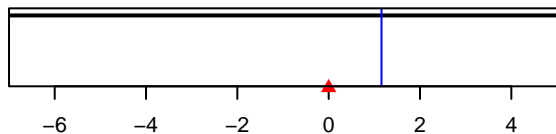
Size\_95%width\_FISHERY(1)



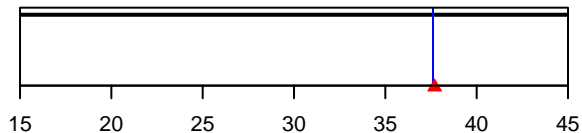
InitF\_seas\_1\_flt\_1FISHERY



LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value