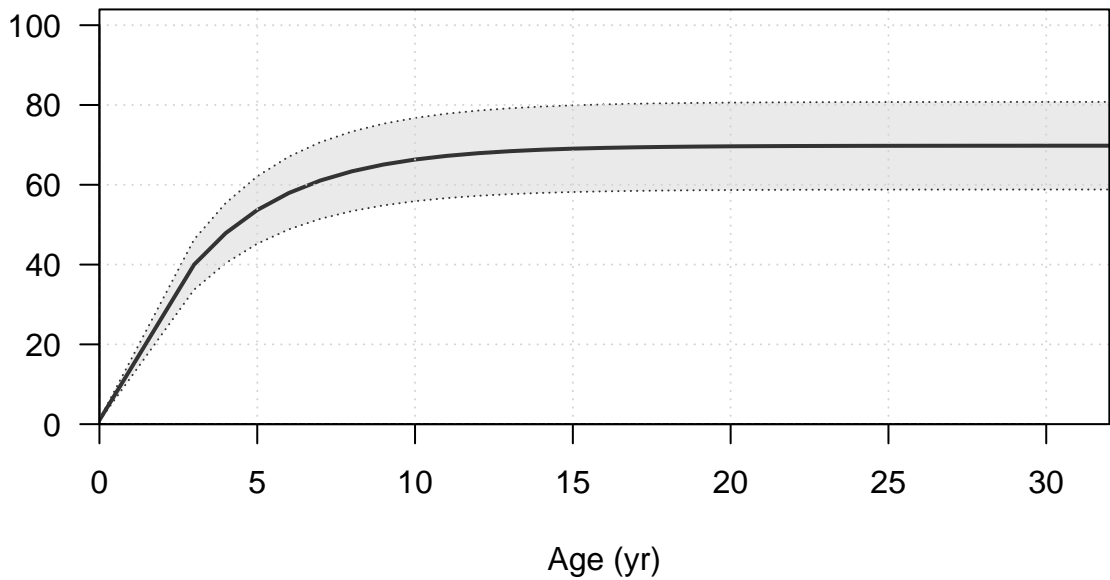
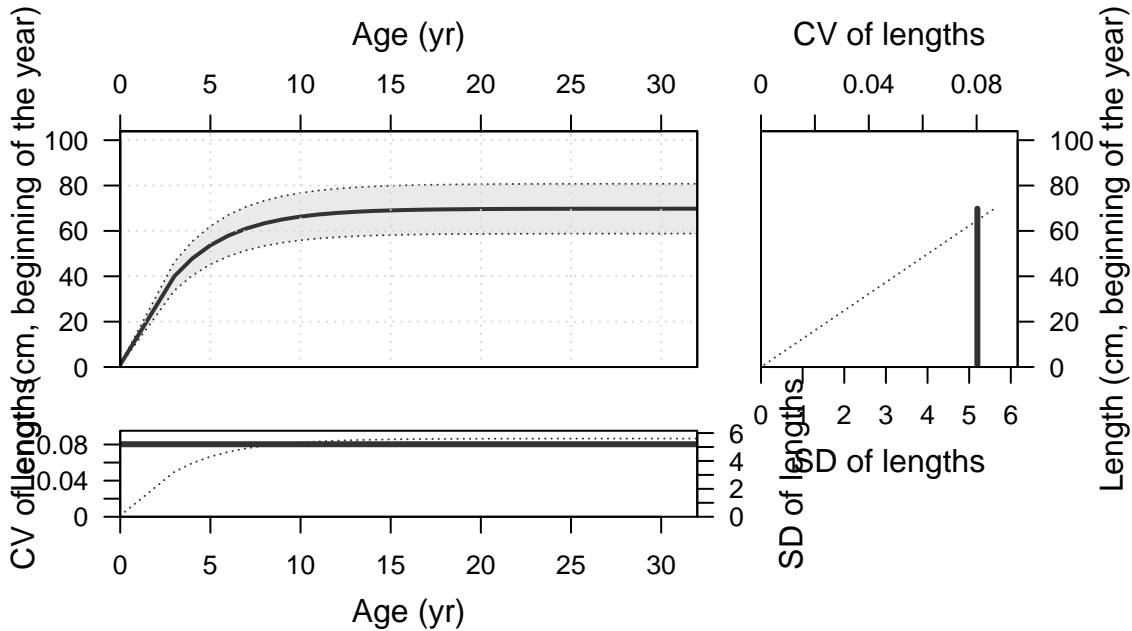
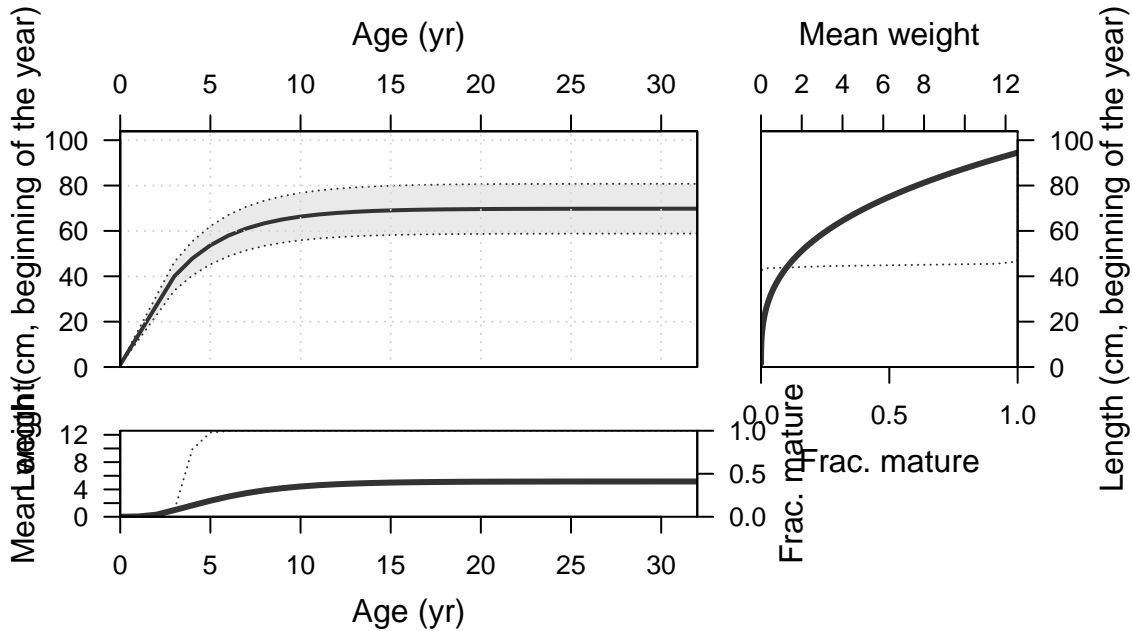


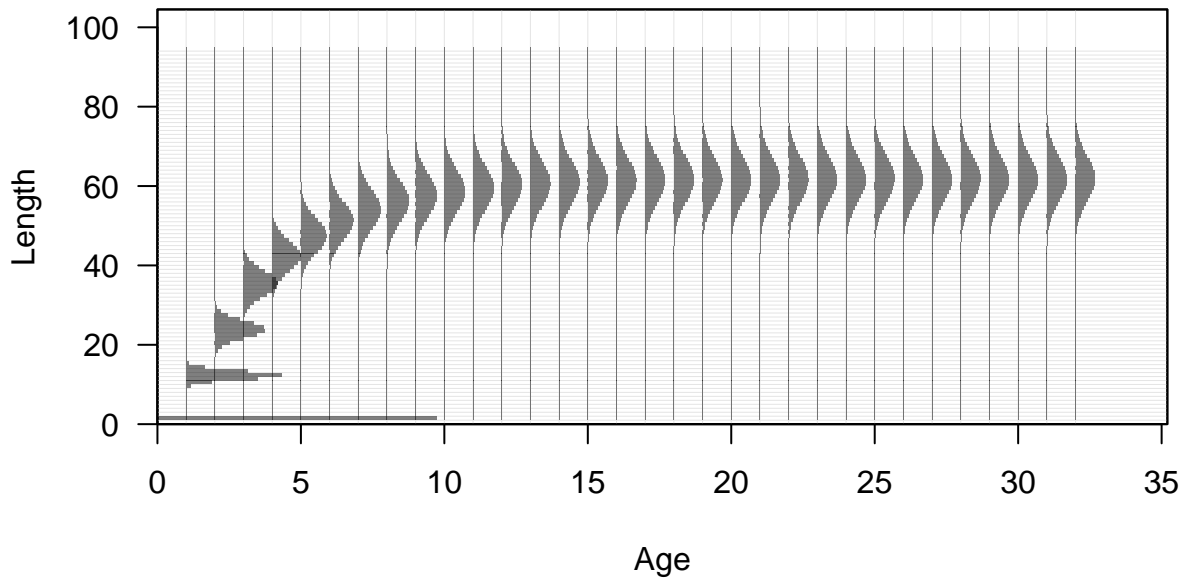
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Wed Aug 17 14:41:23 2022  
Data\_File: data.ss  
Control\_File: control.ss

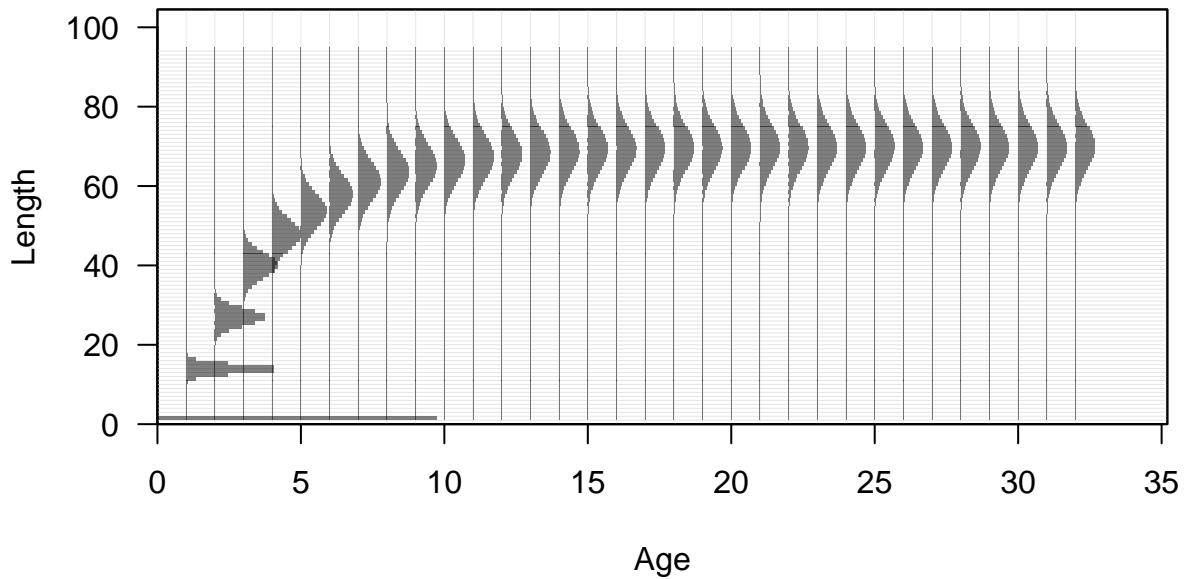
Length (cm, beginning of the year)

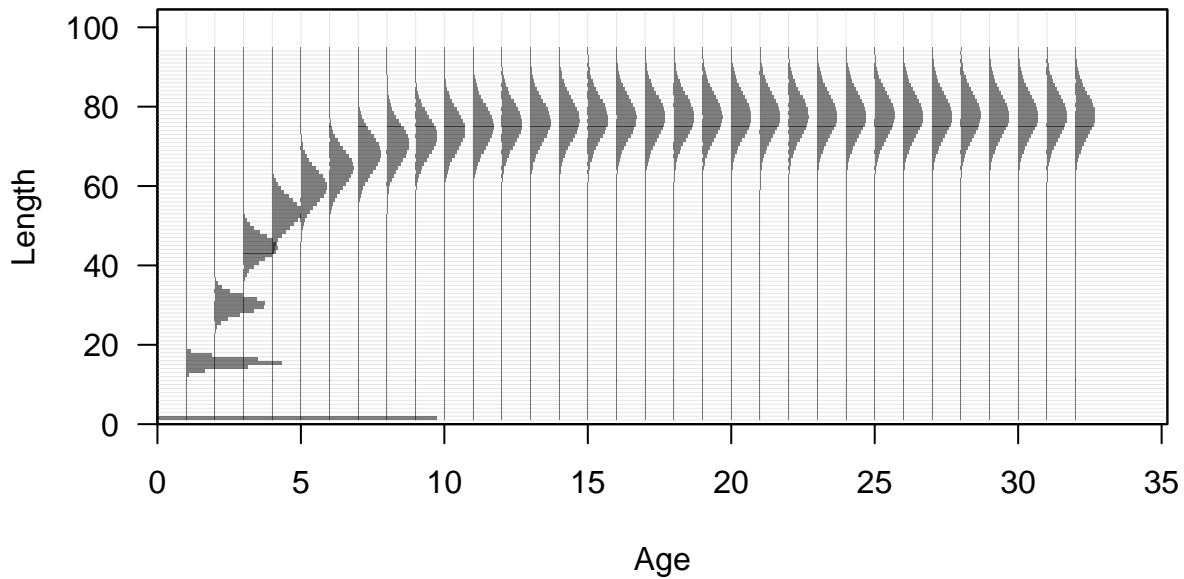


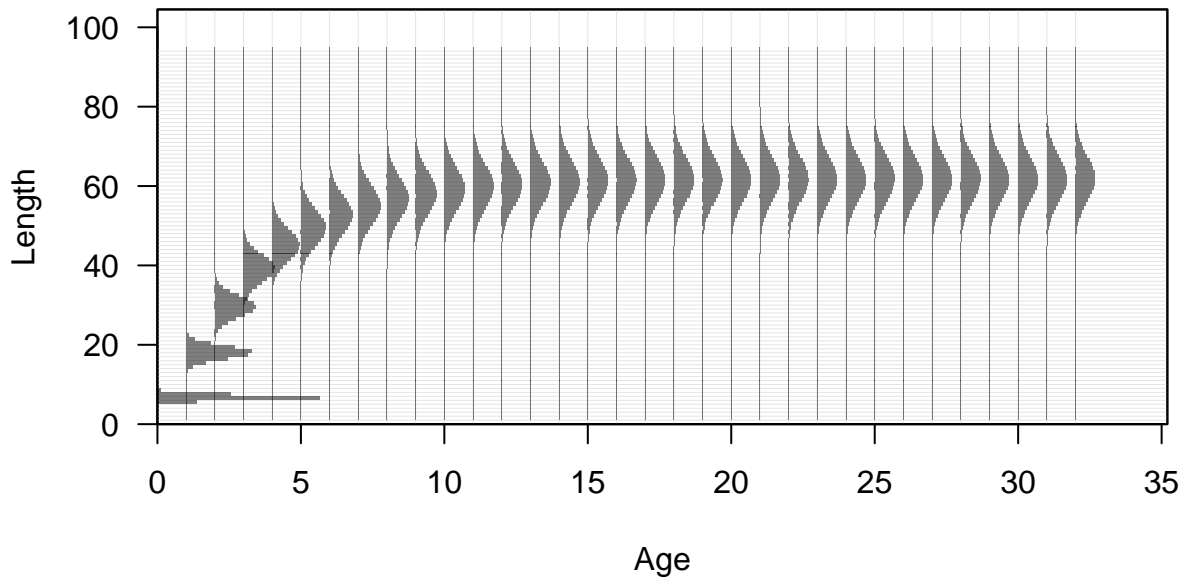




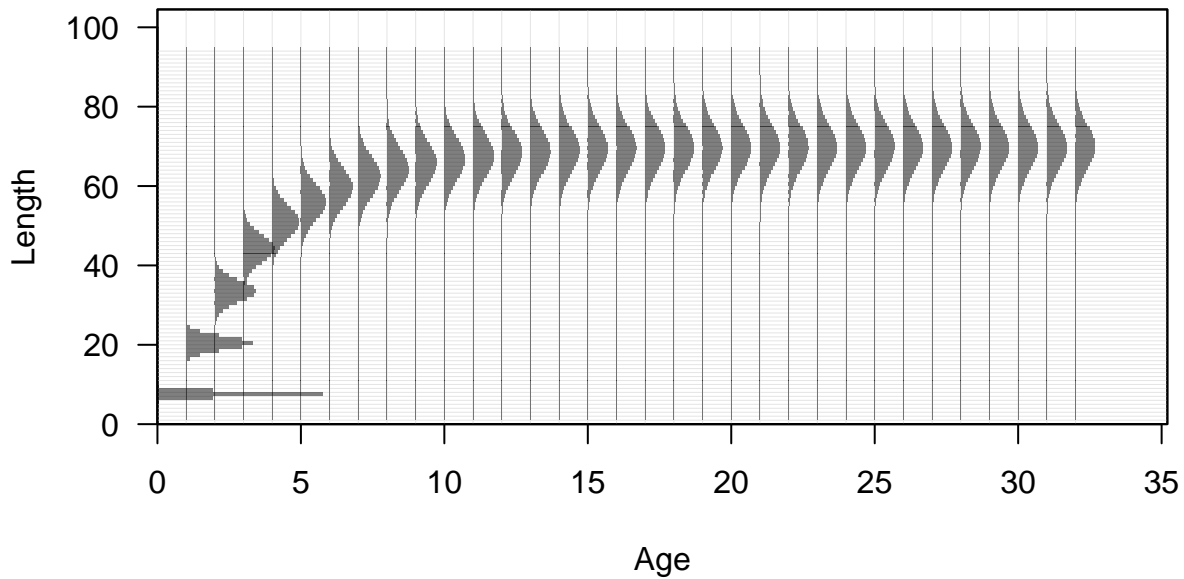


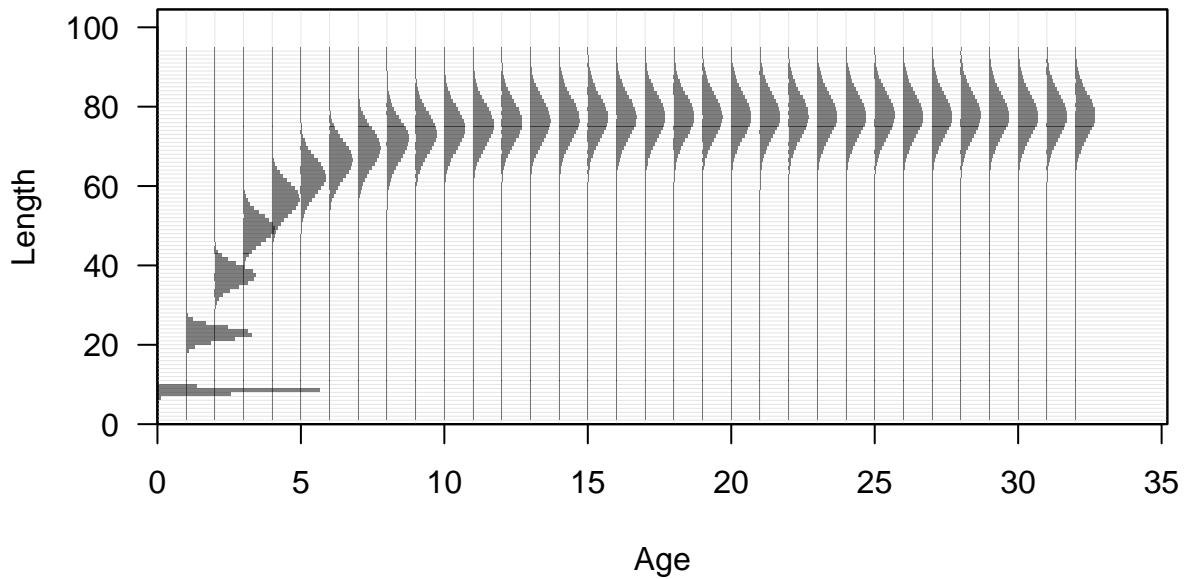


















Fecundity



Fecundity

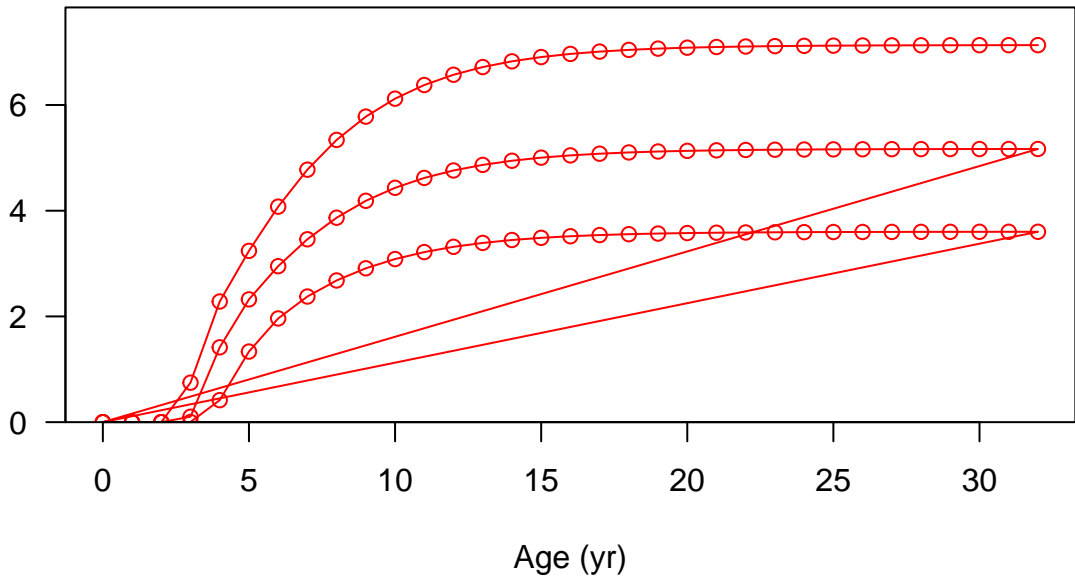


Spawning output

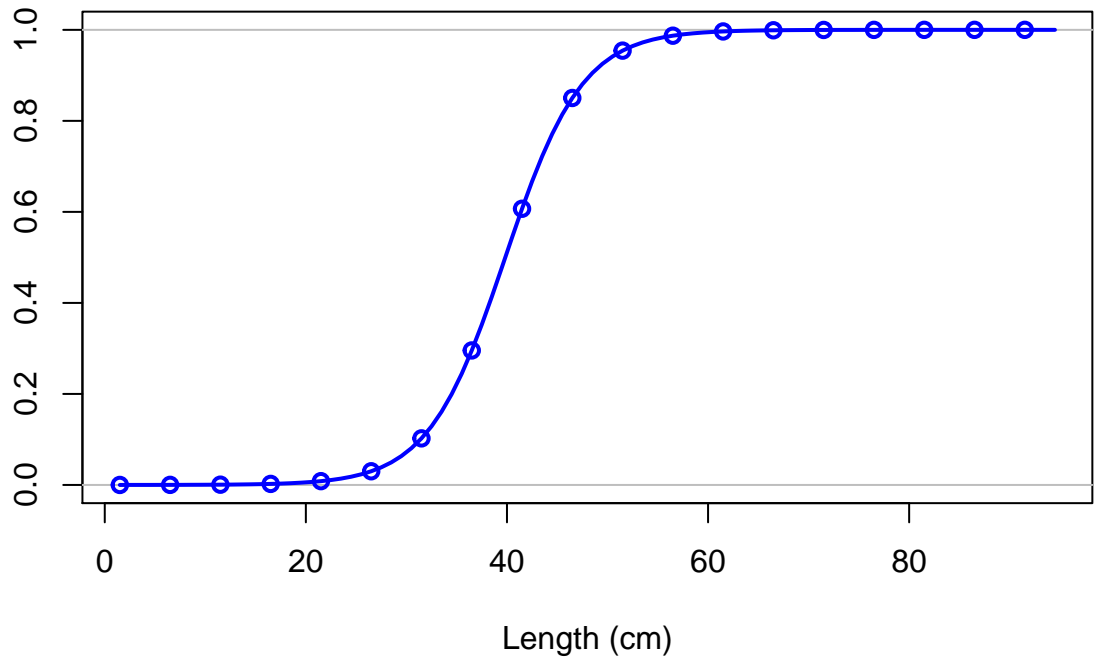




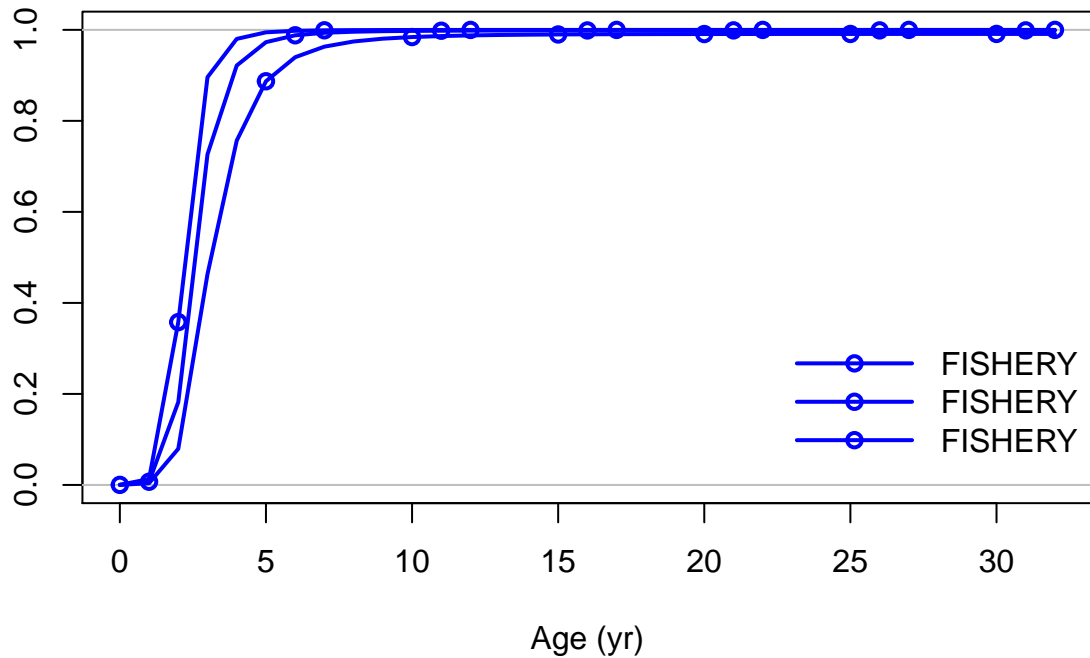
Spawning output



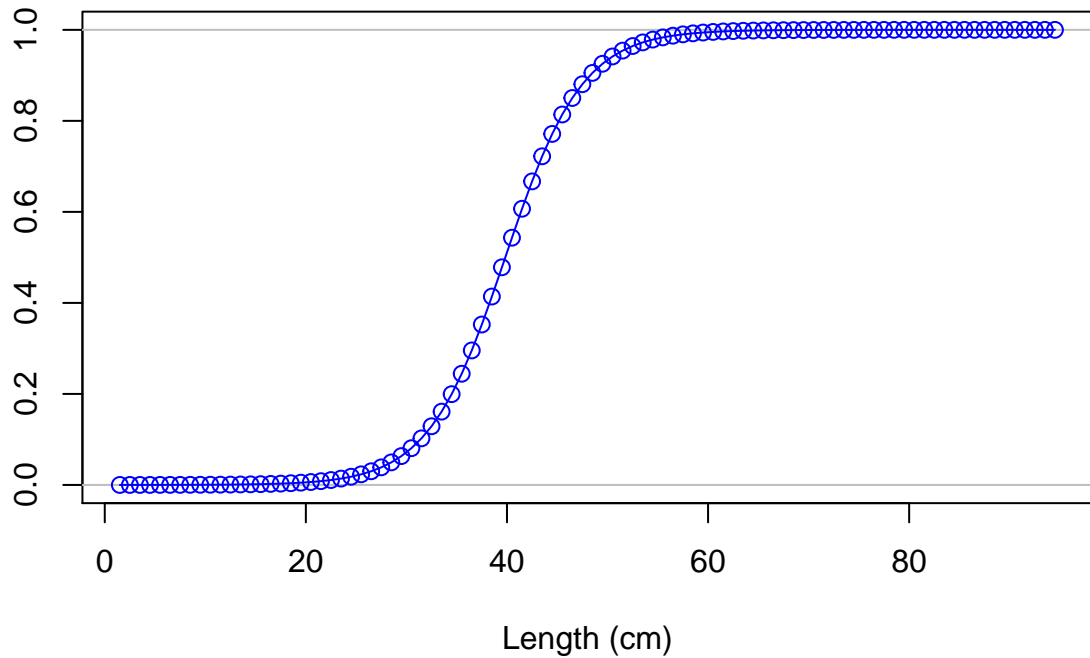
Selectivity

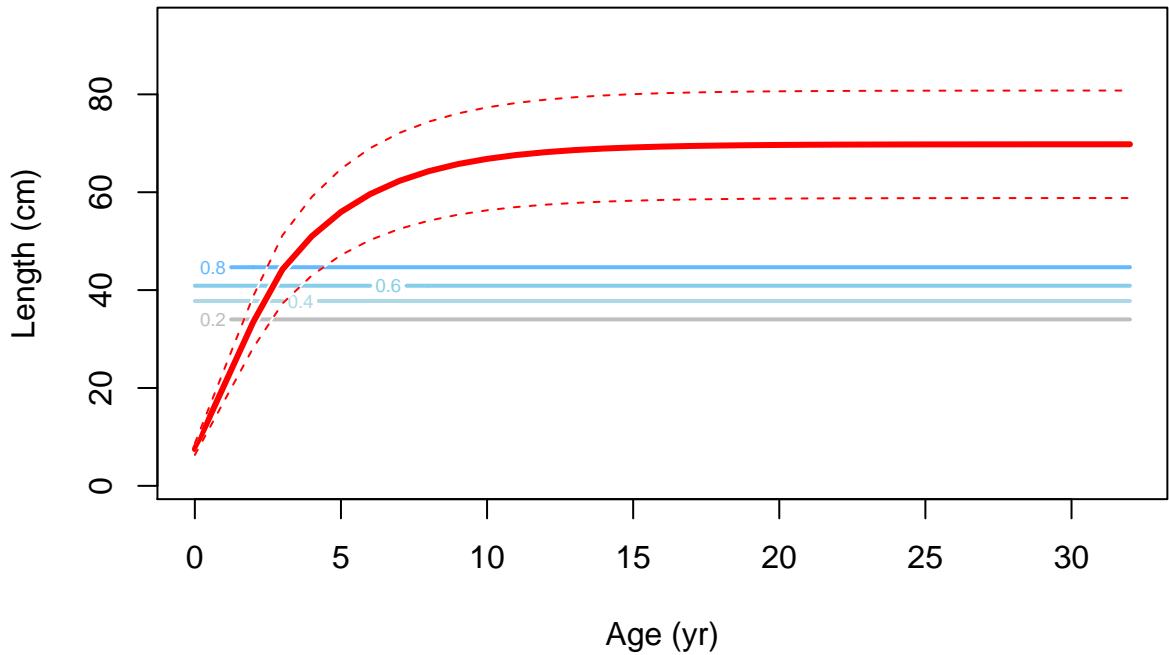


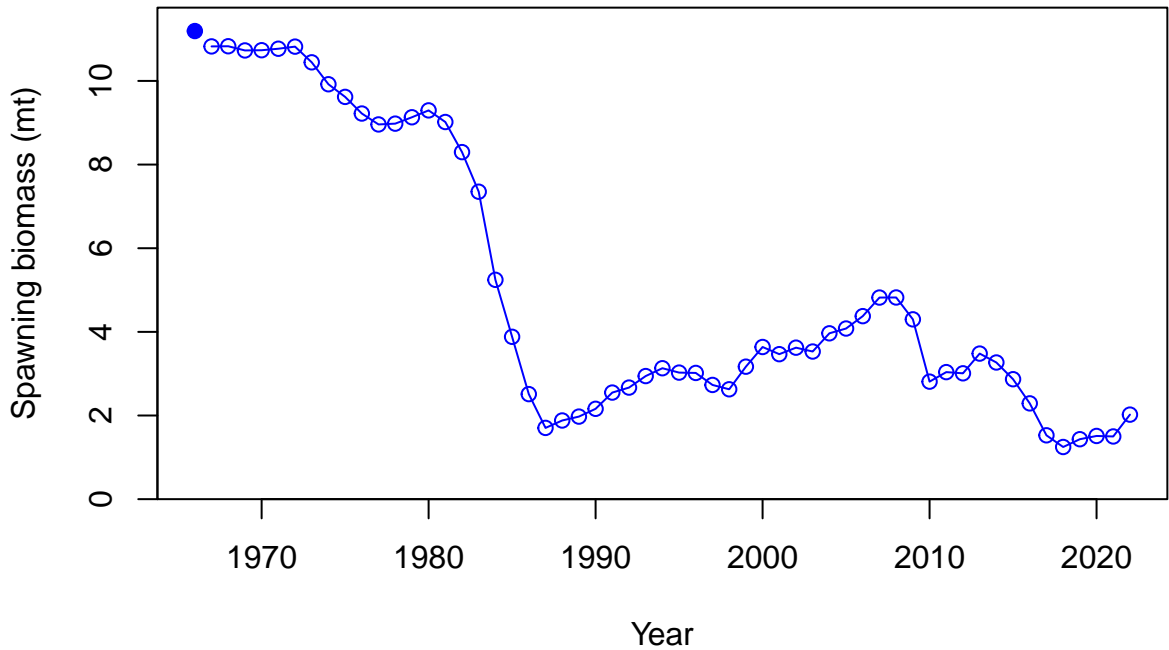
Selectivity

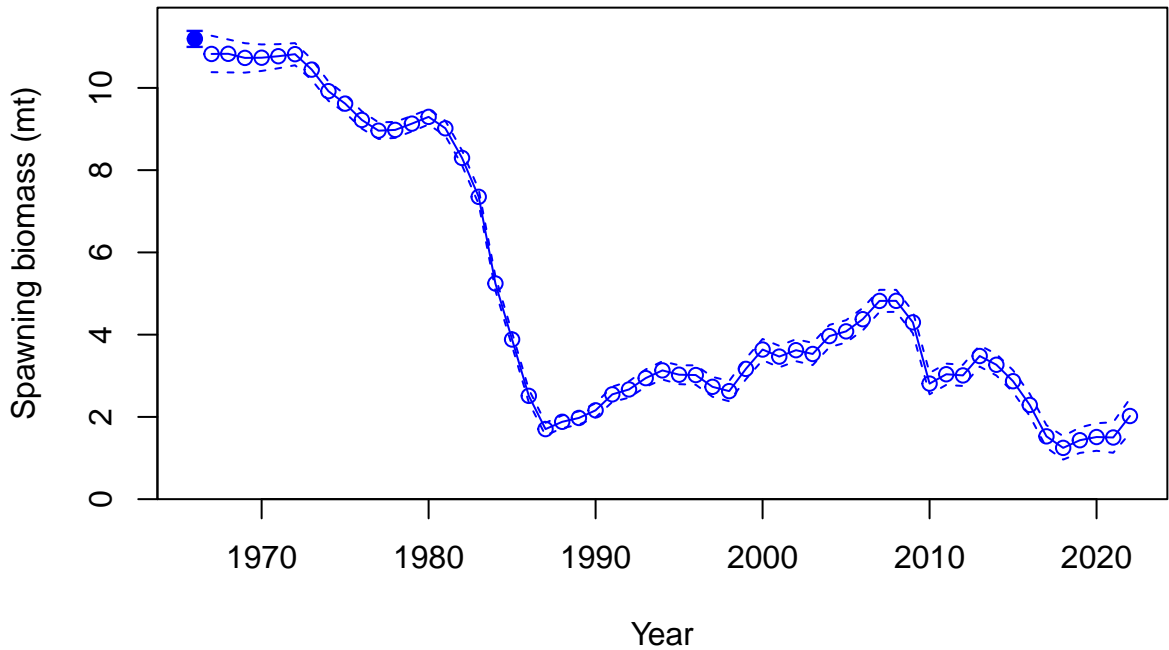


Selectivity

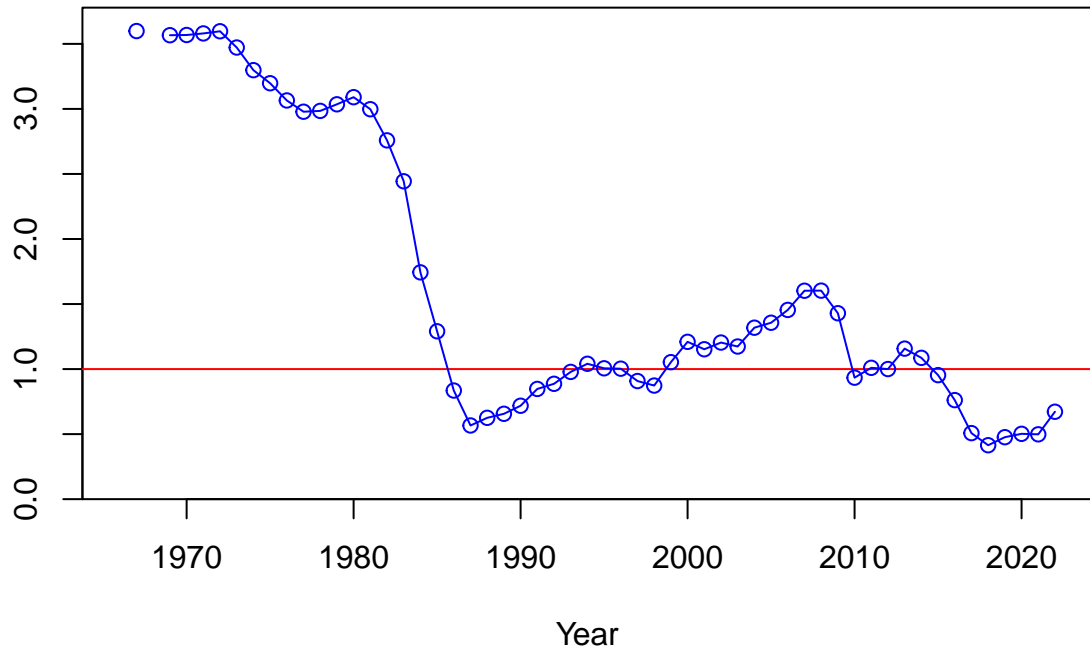






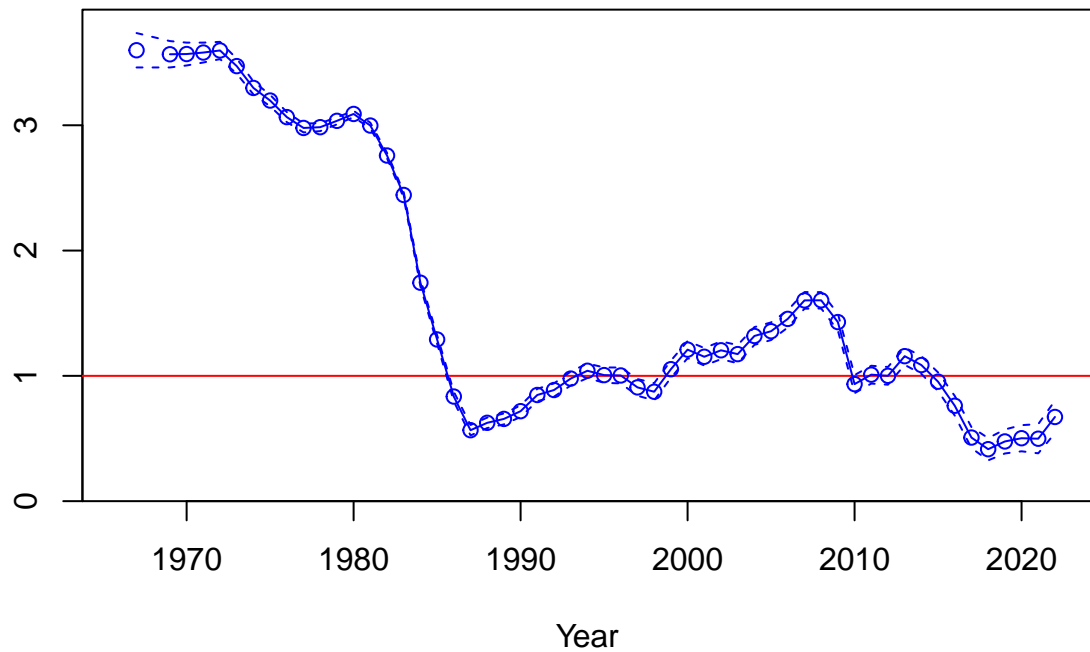


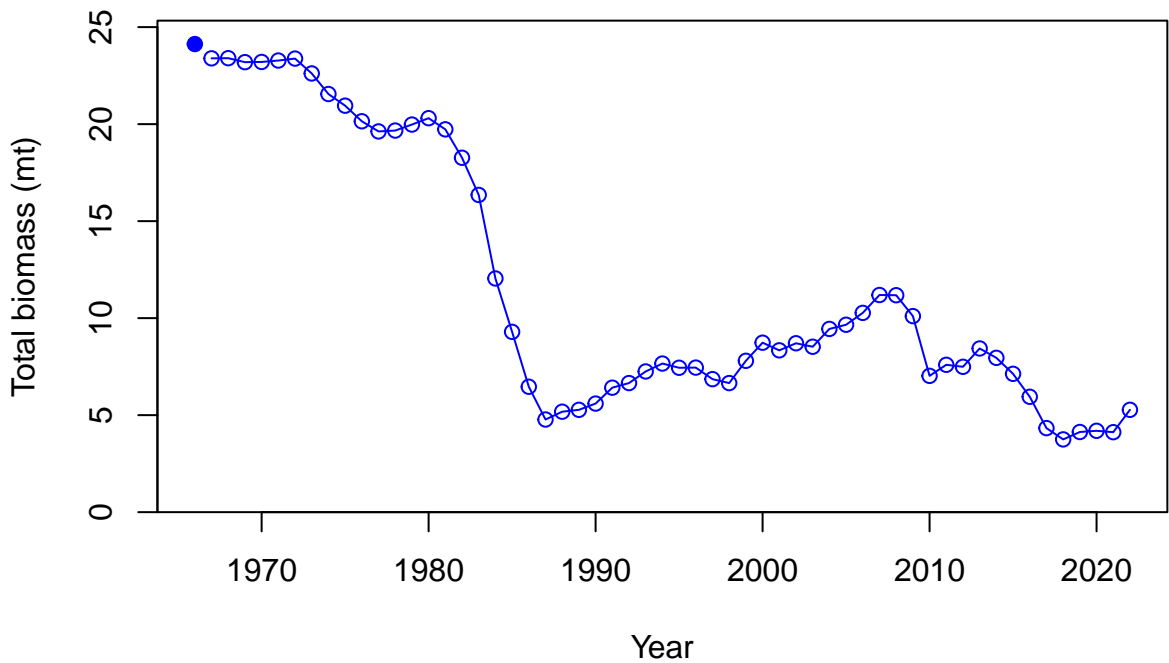
Relative spawning biomass:  $B/B_{MSY}$

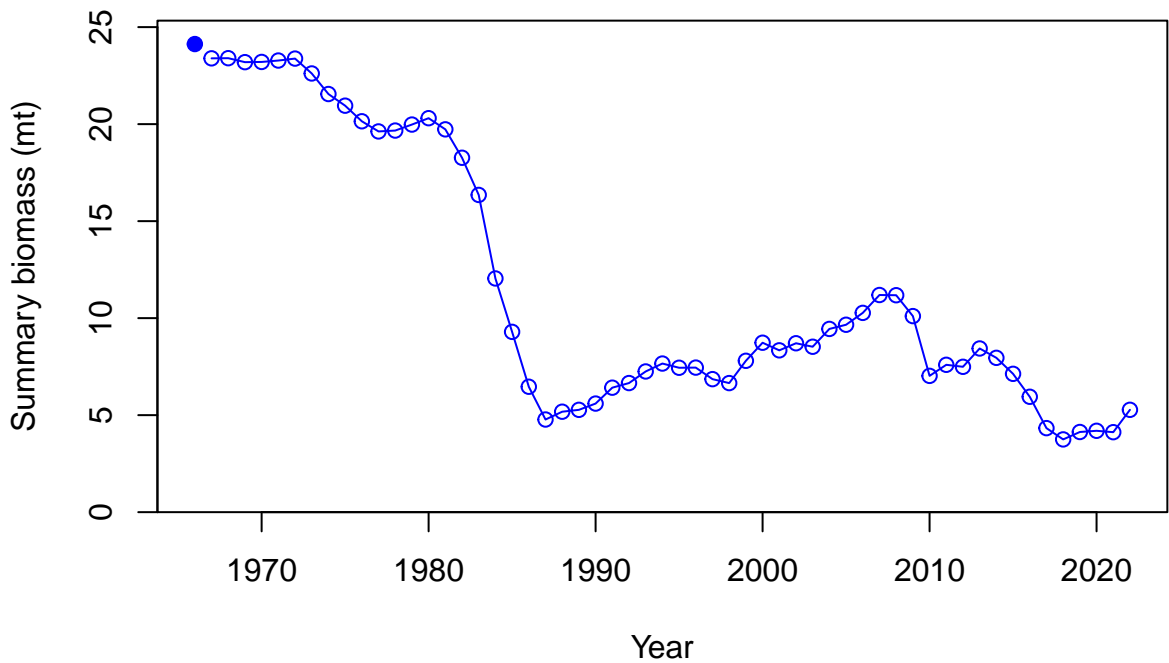




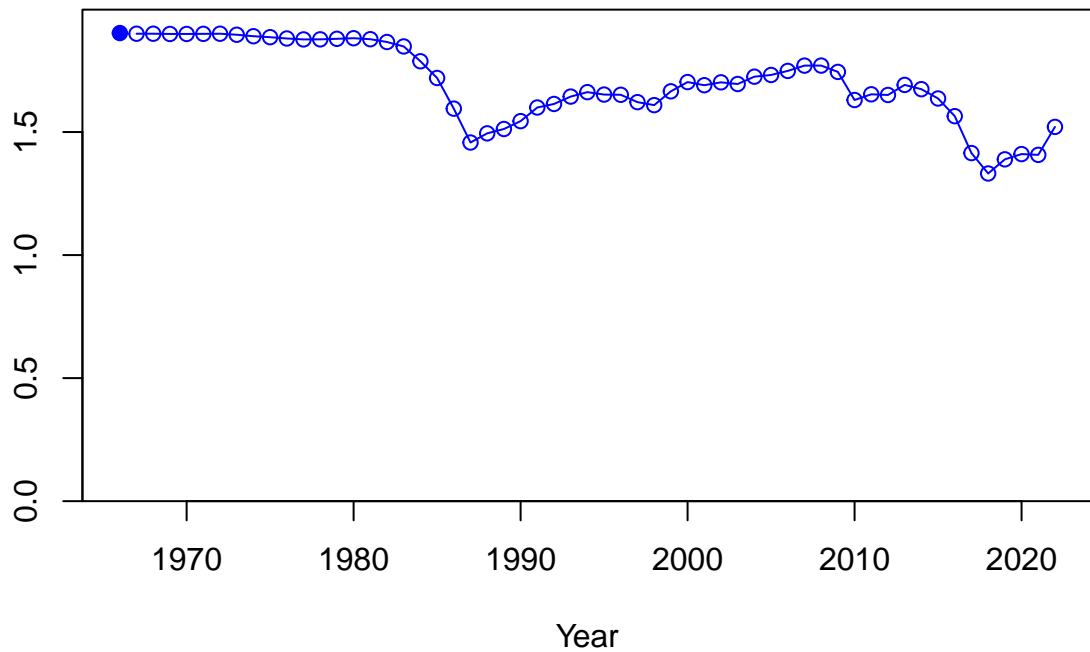
Relative spawning biomass:  $B/B_{MSY}$

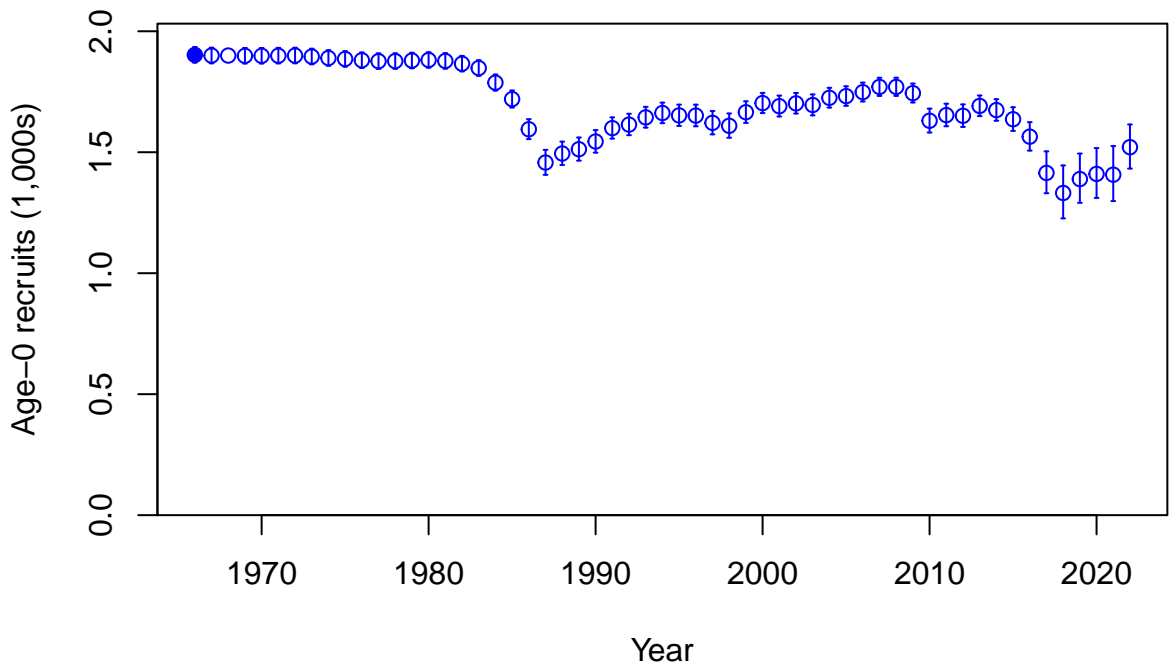




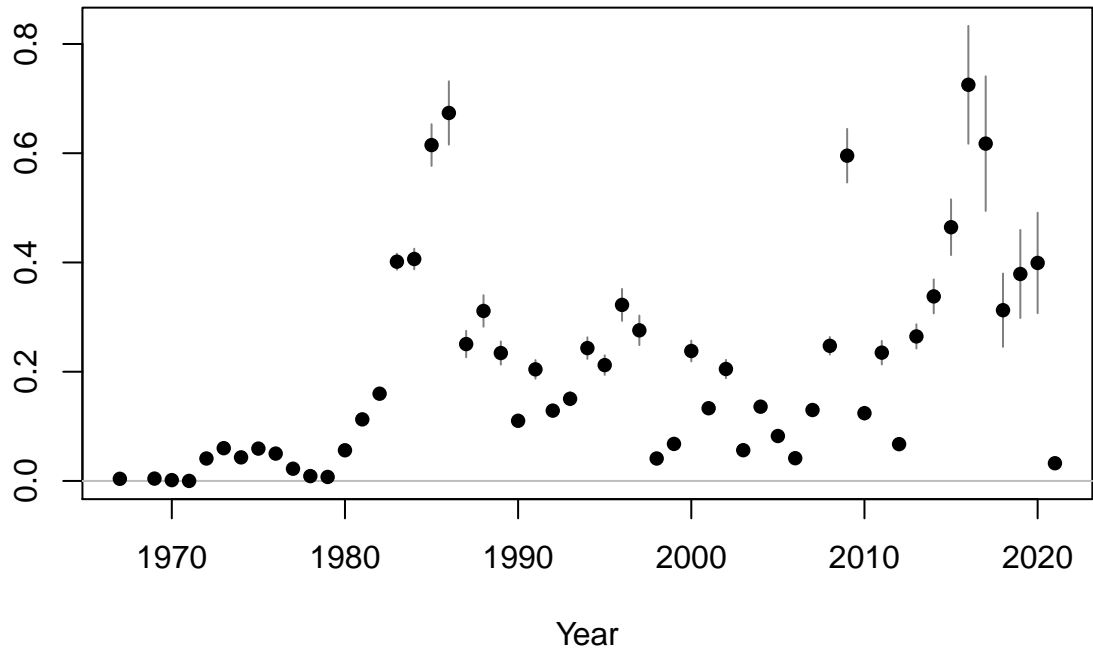


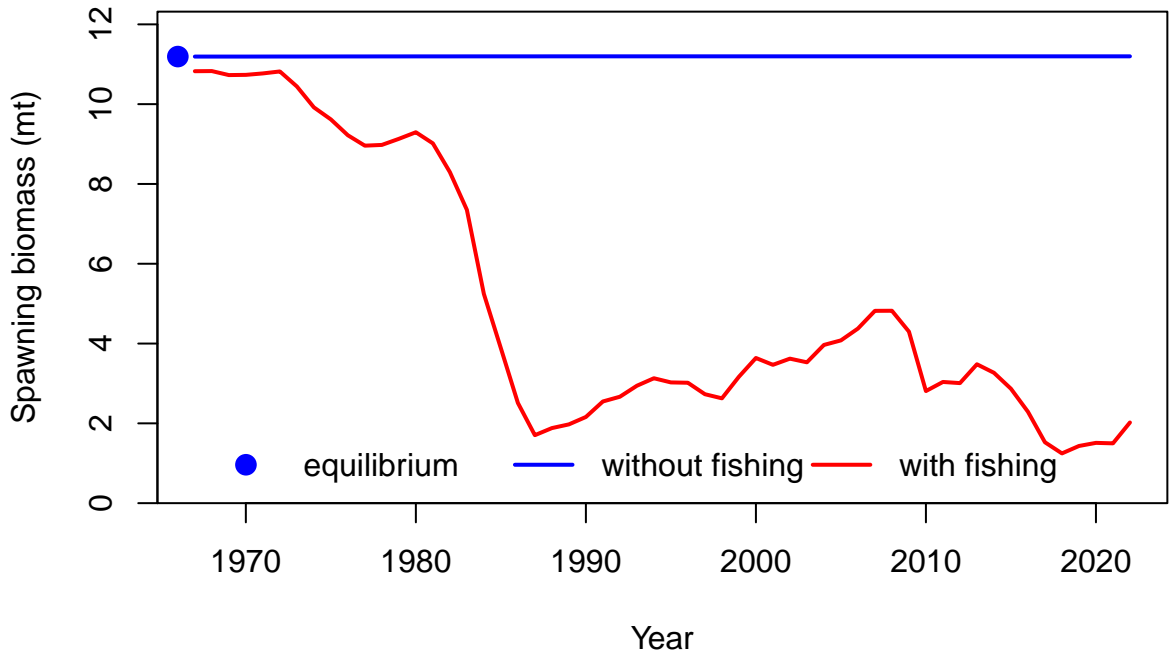
Age-0 recruits (1,000s)

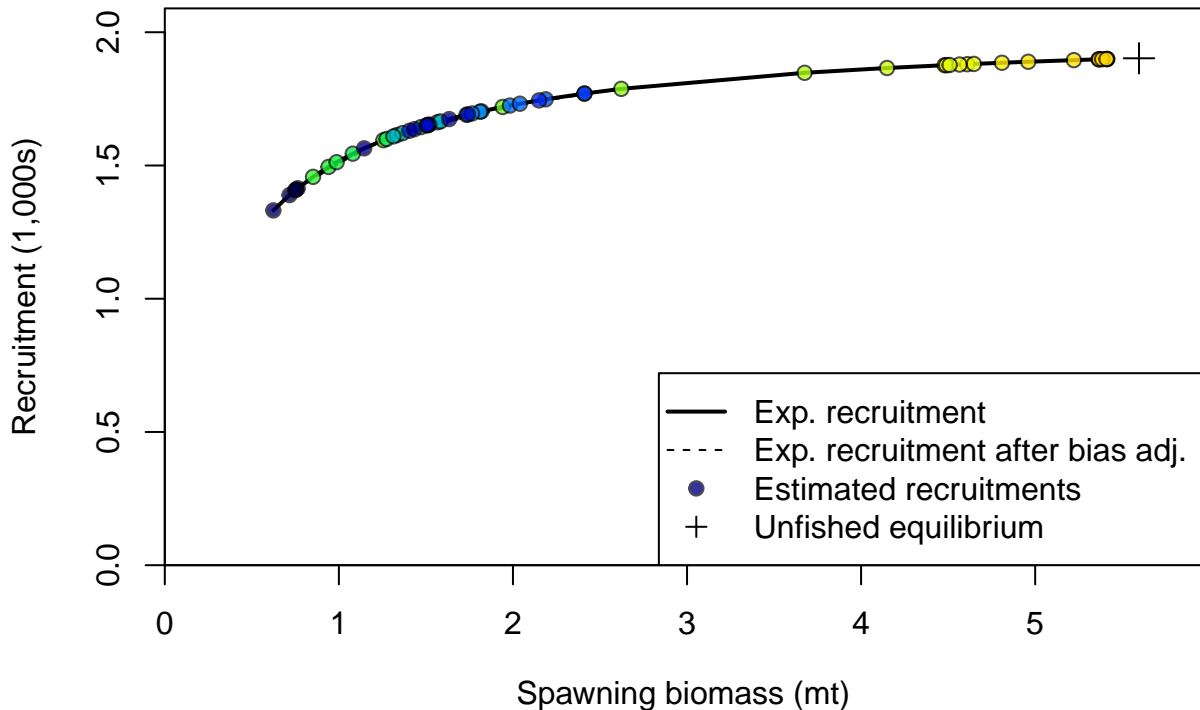




Summary Fishing Mortality

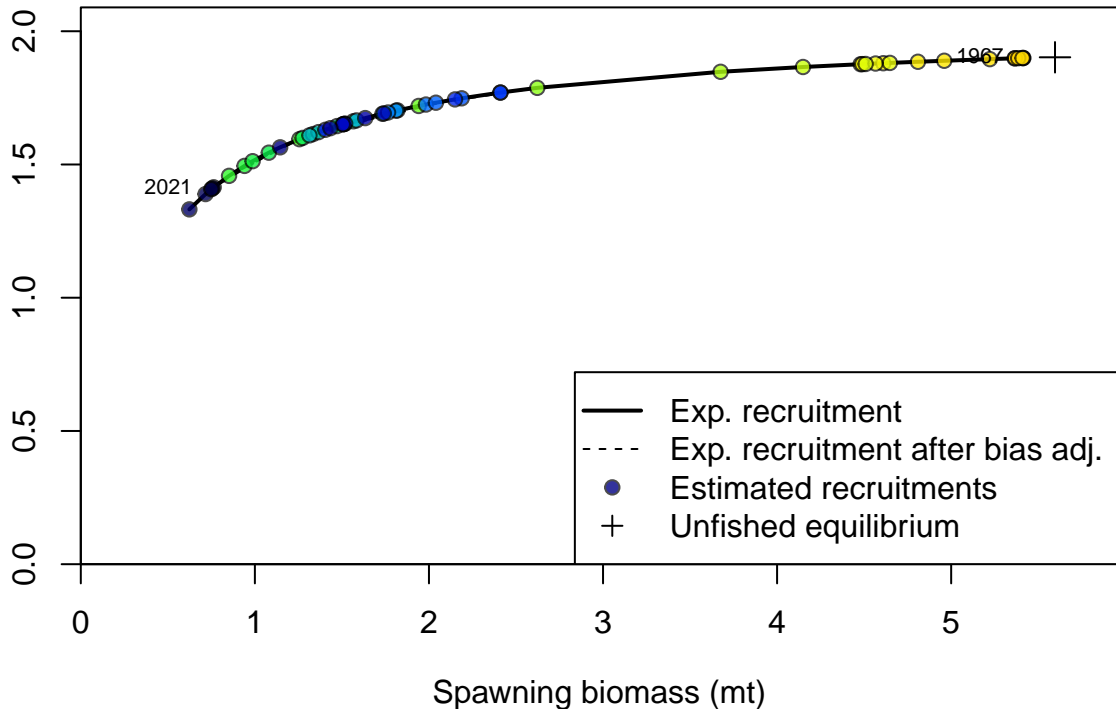


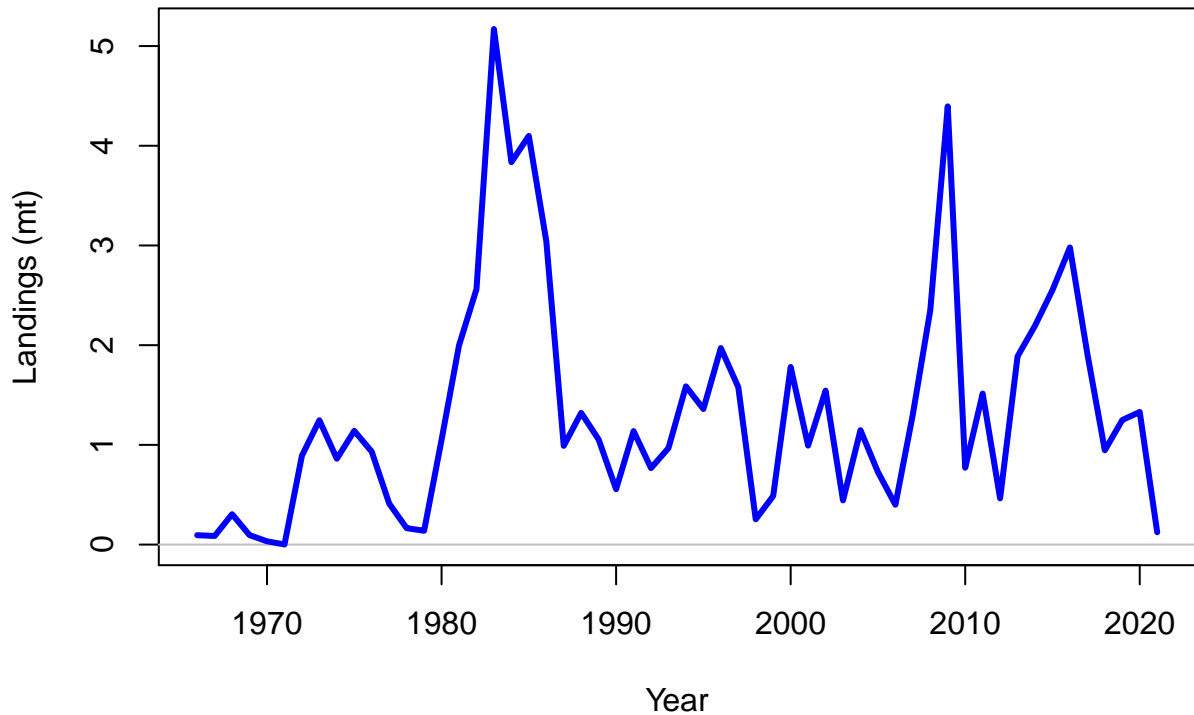


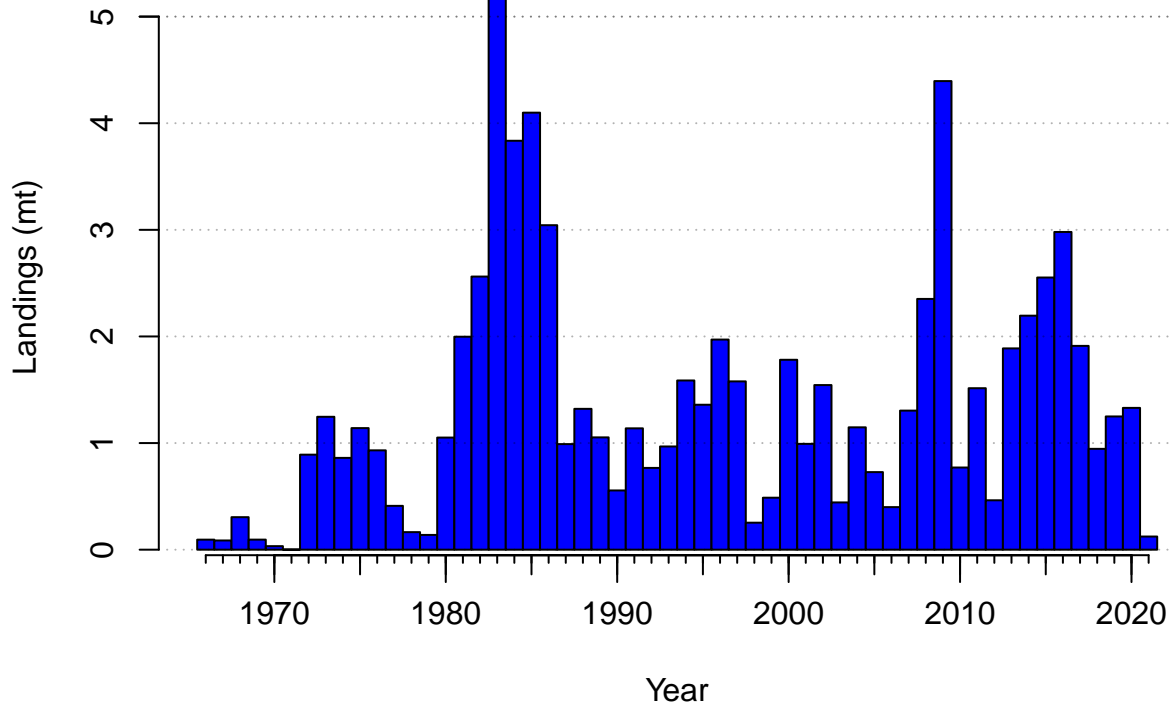


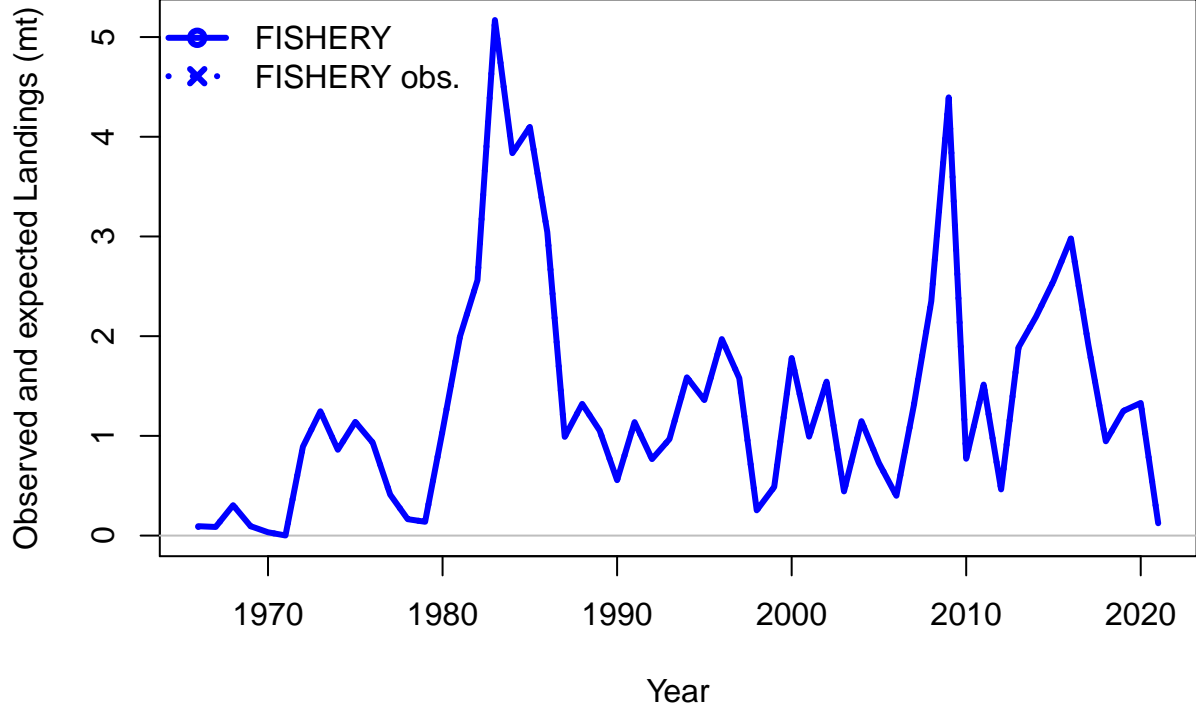


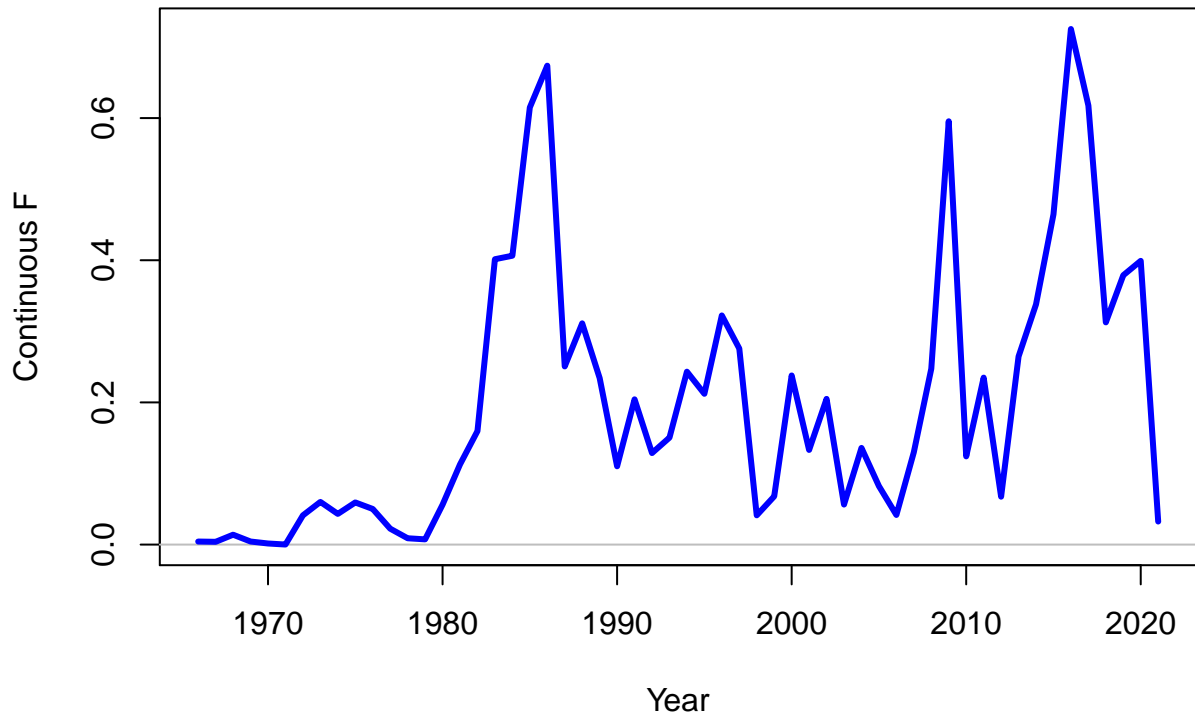
Recruitment (1,000s)



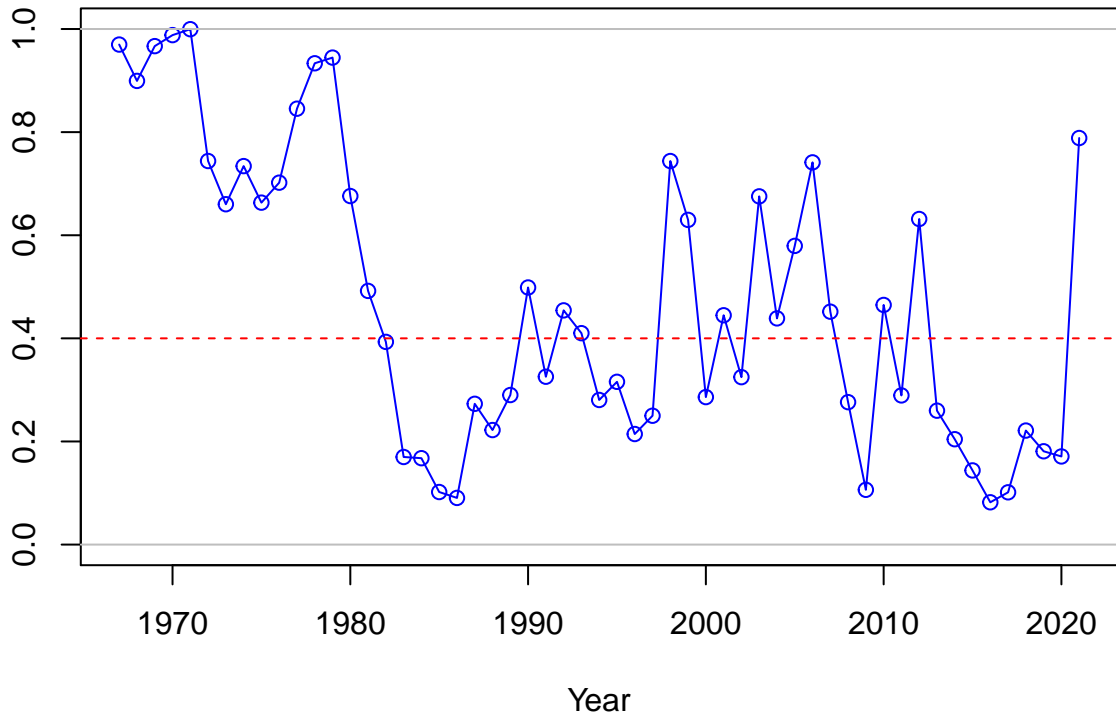




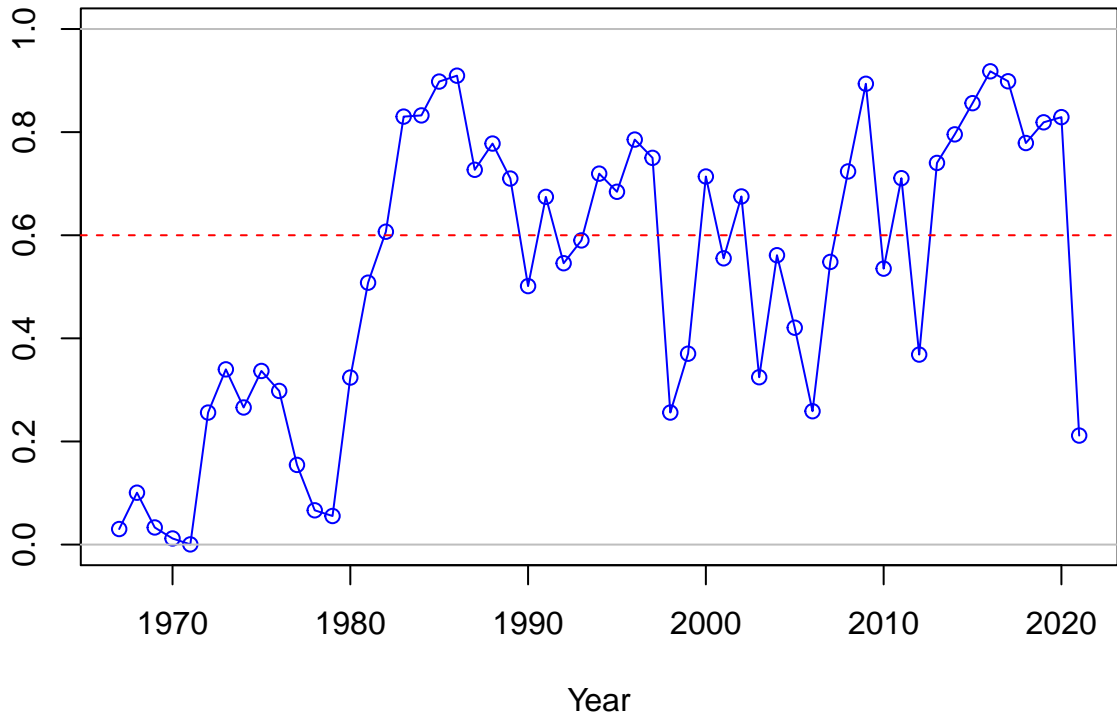




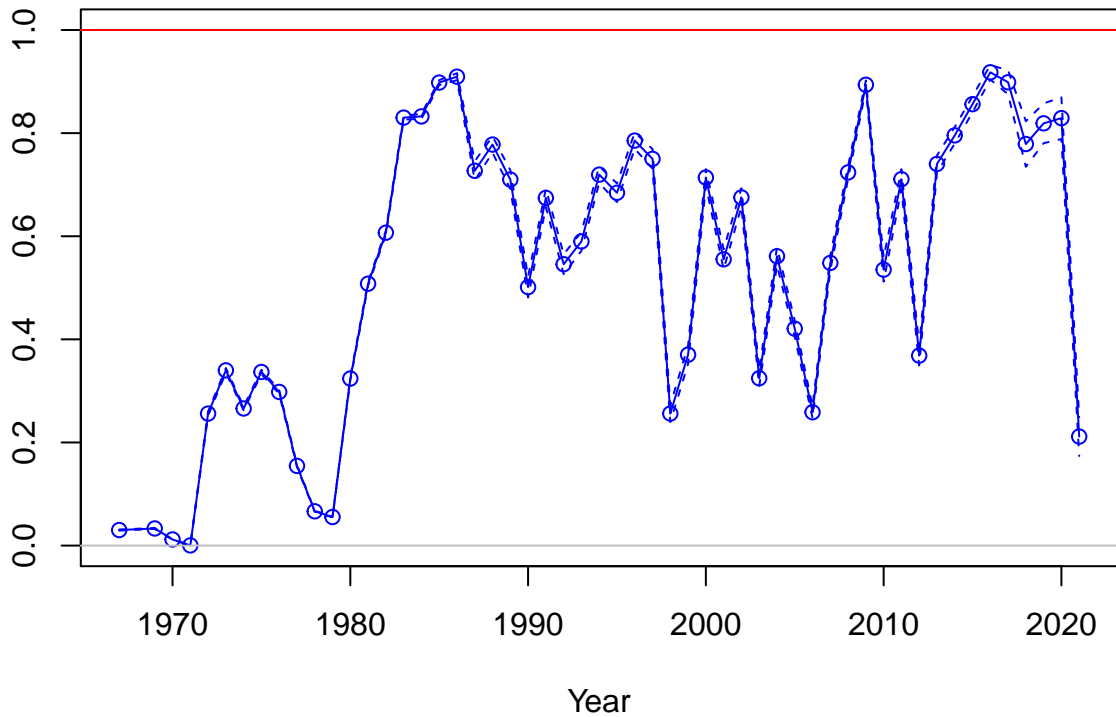
SPR



1-SPR

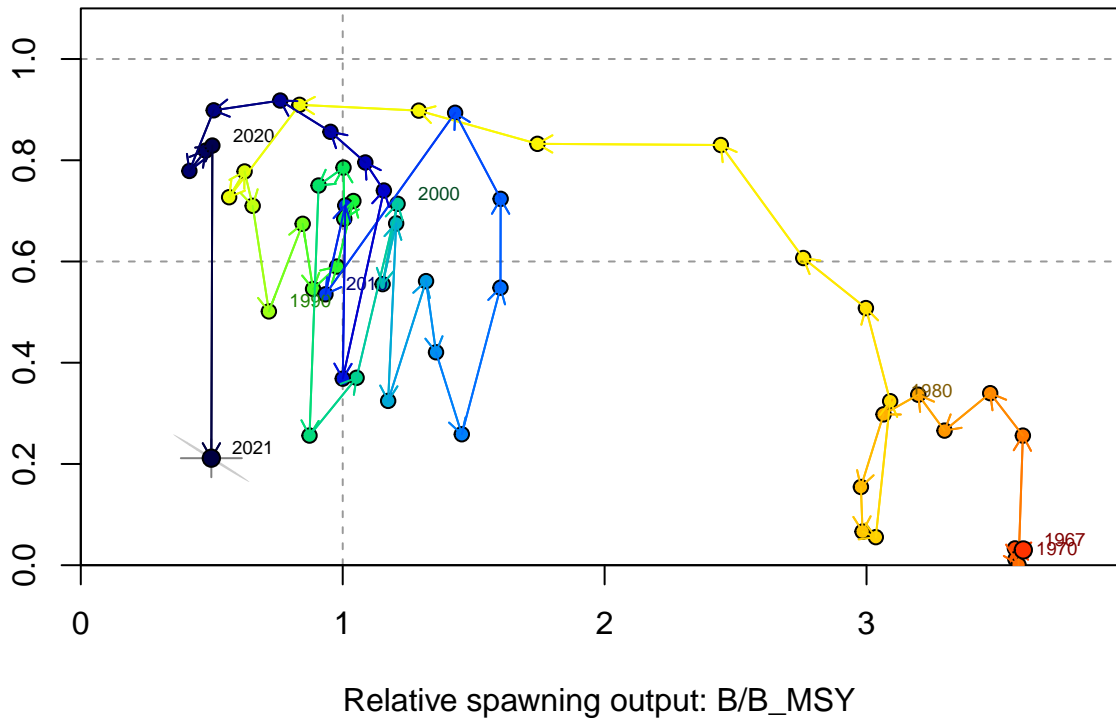


Fishing intensity: 1-SPR

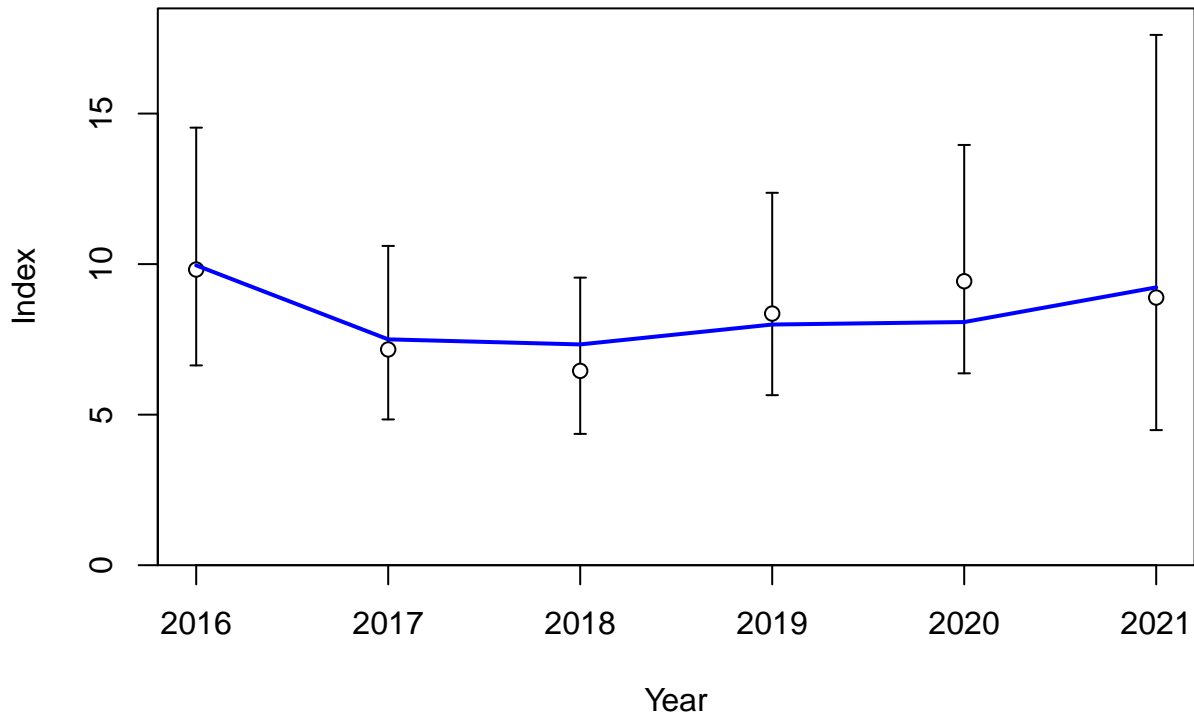


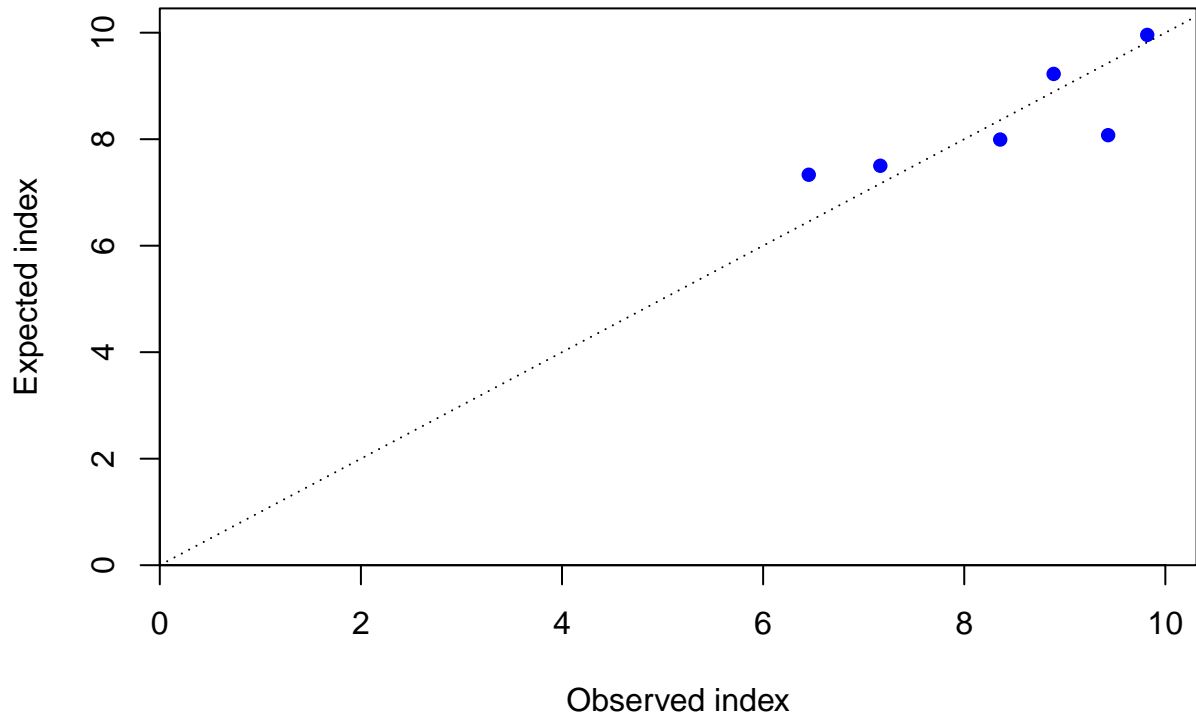


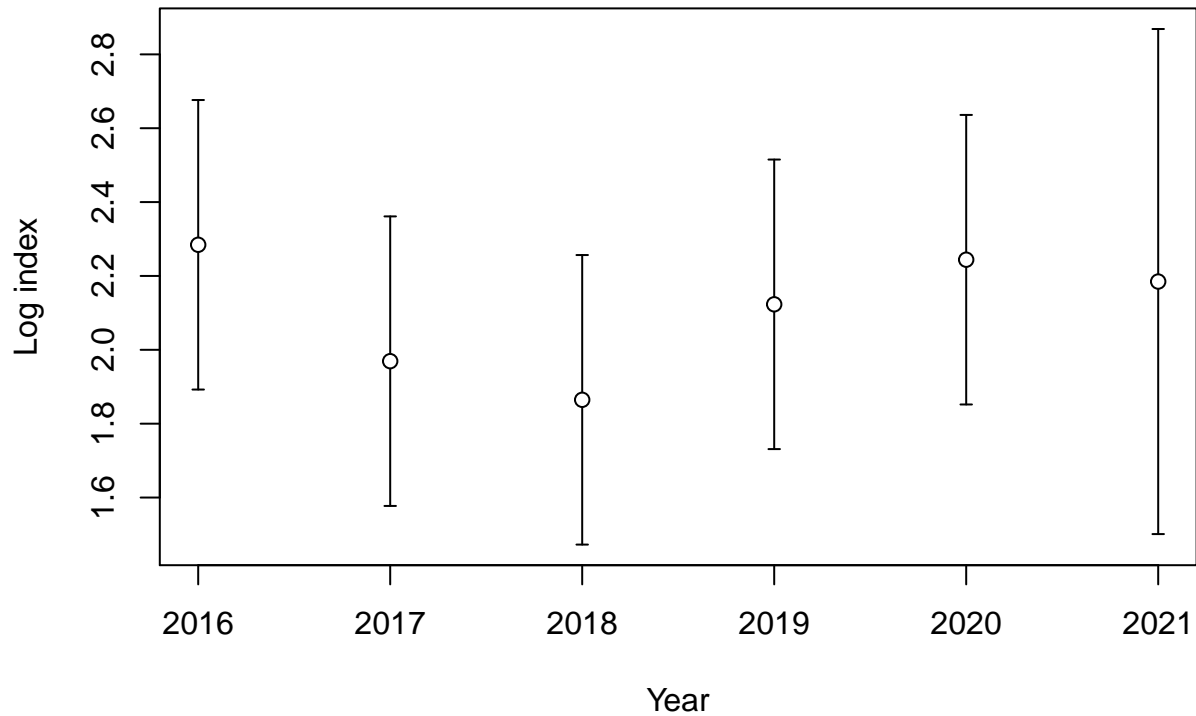
Fishing intensity: 1-SPR

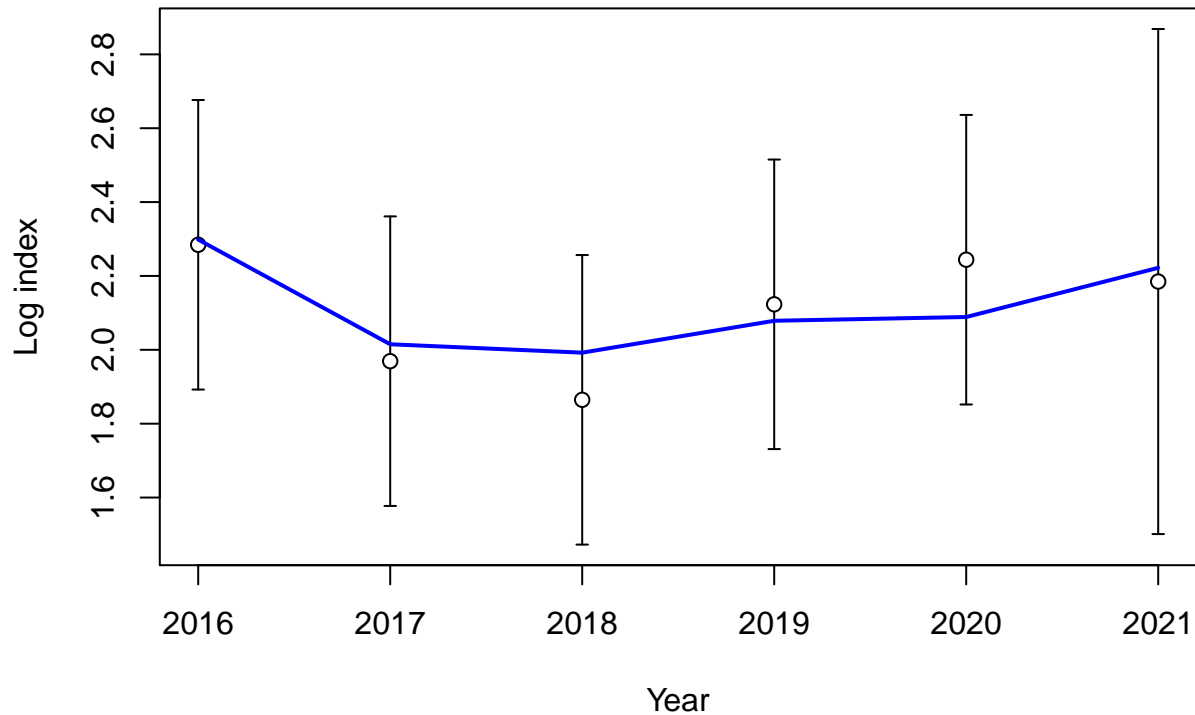




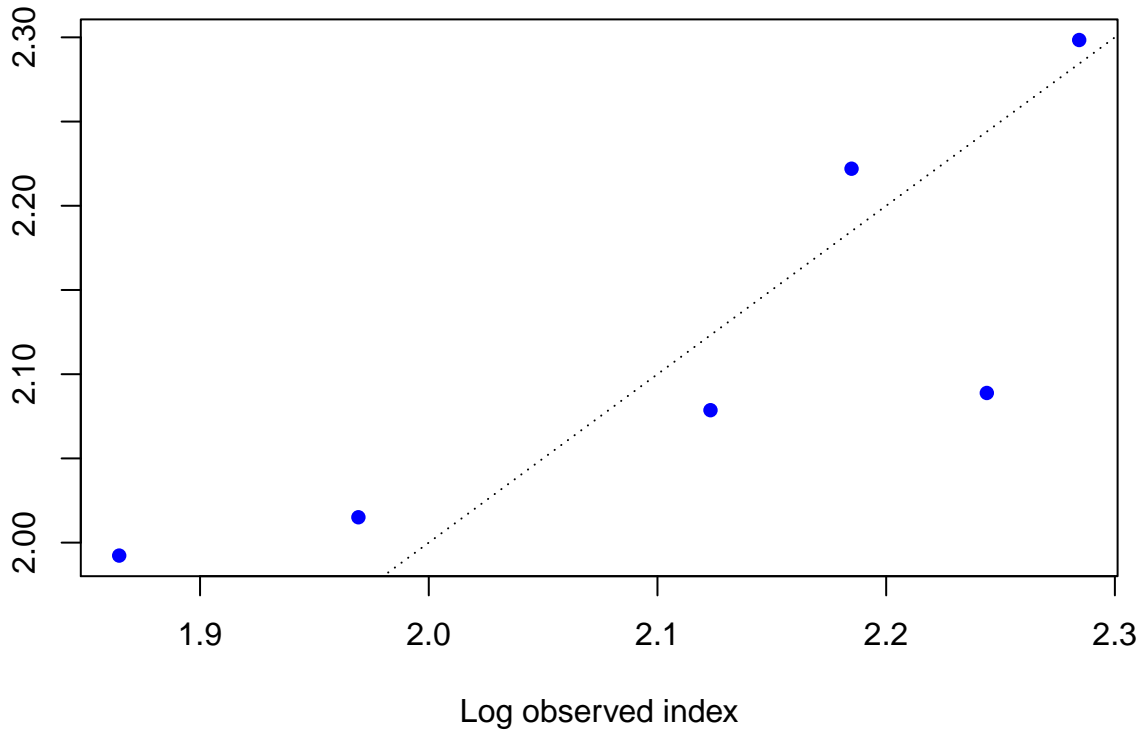








Log expected index



Residual

0.5  
0.0  
-0.5

2016

2017

2018

2019

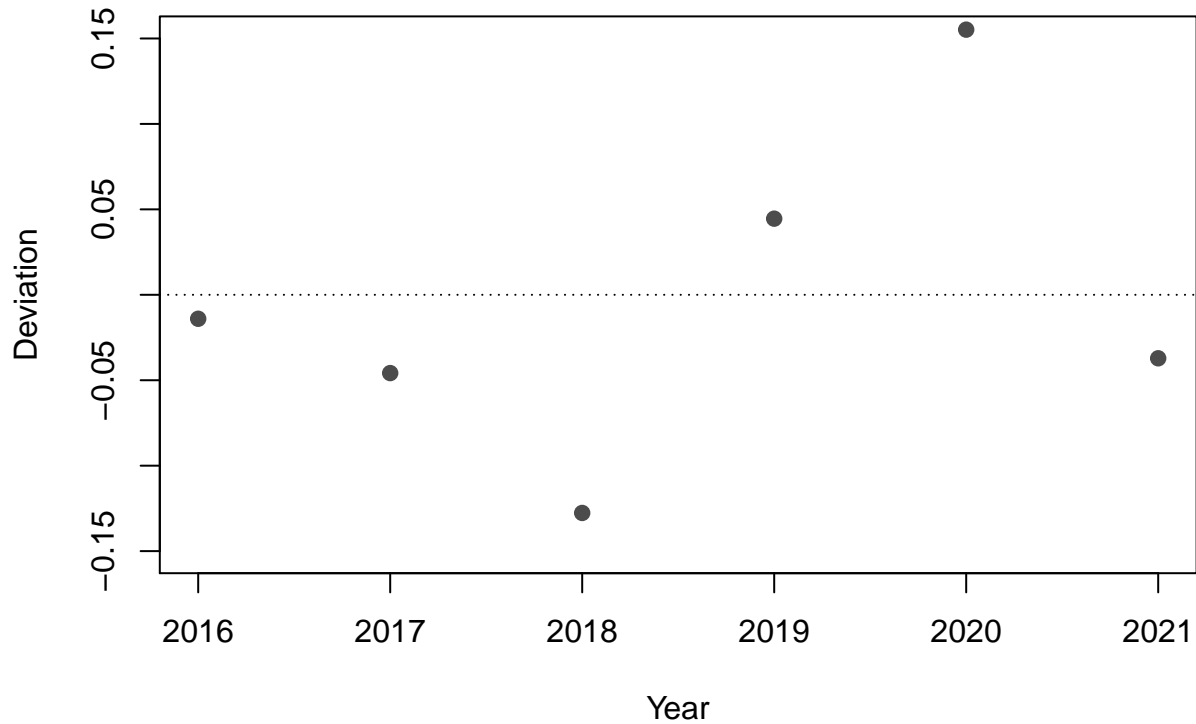
2020

2021

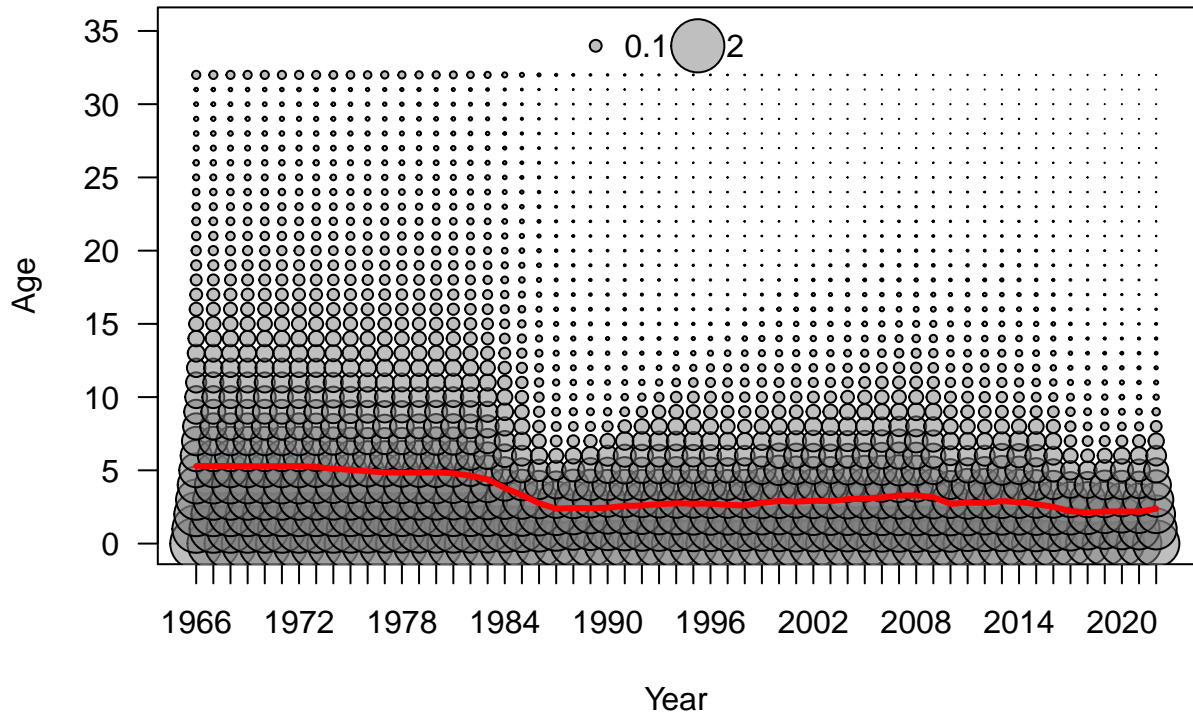
Year

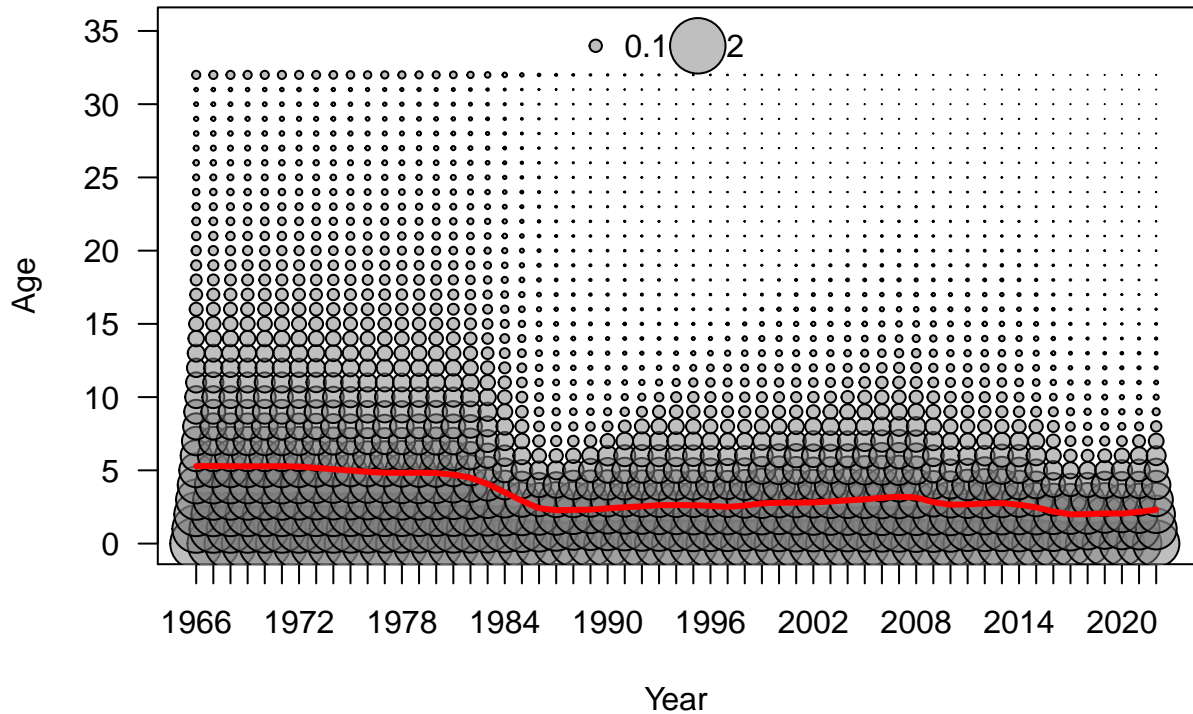


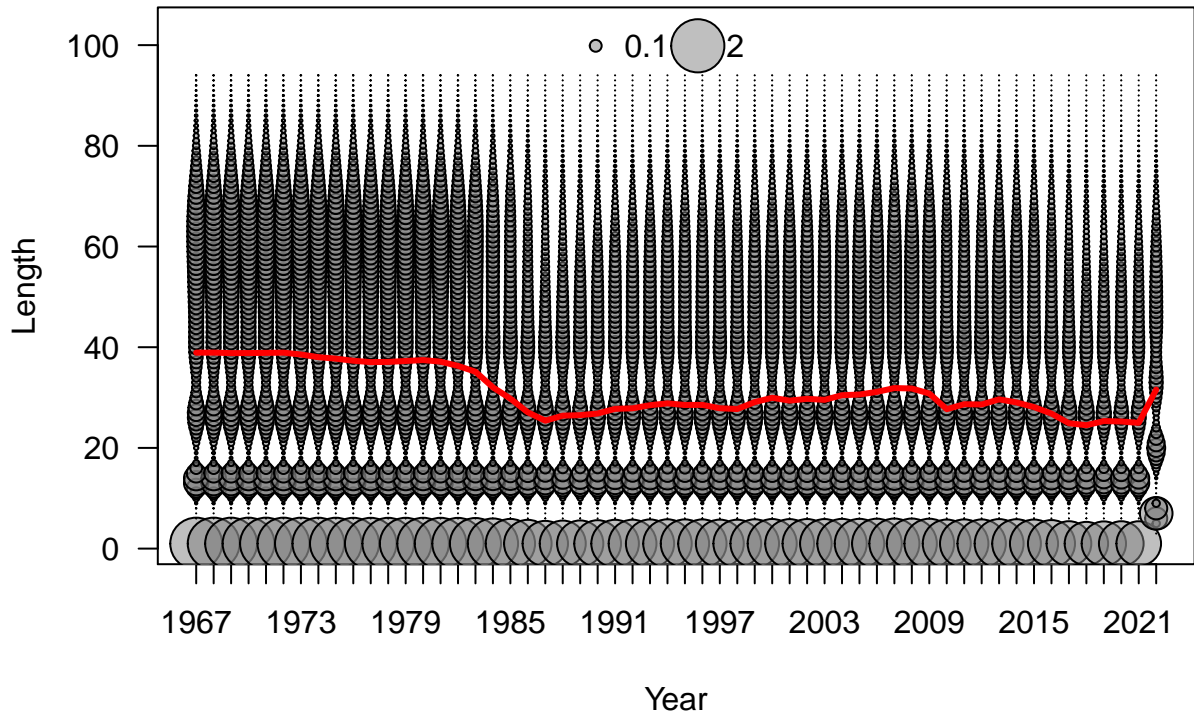


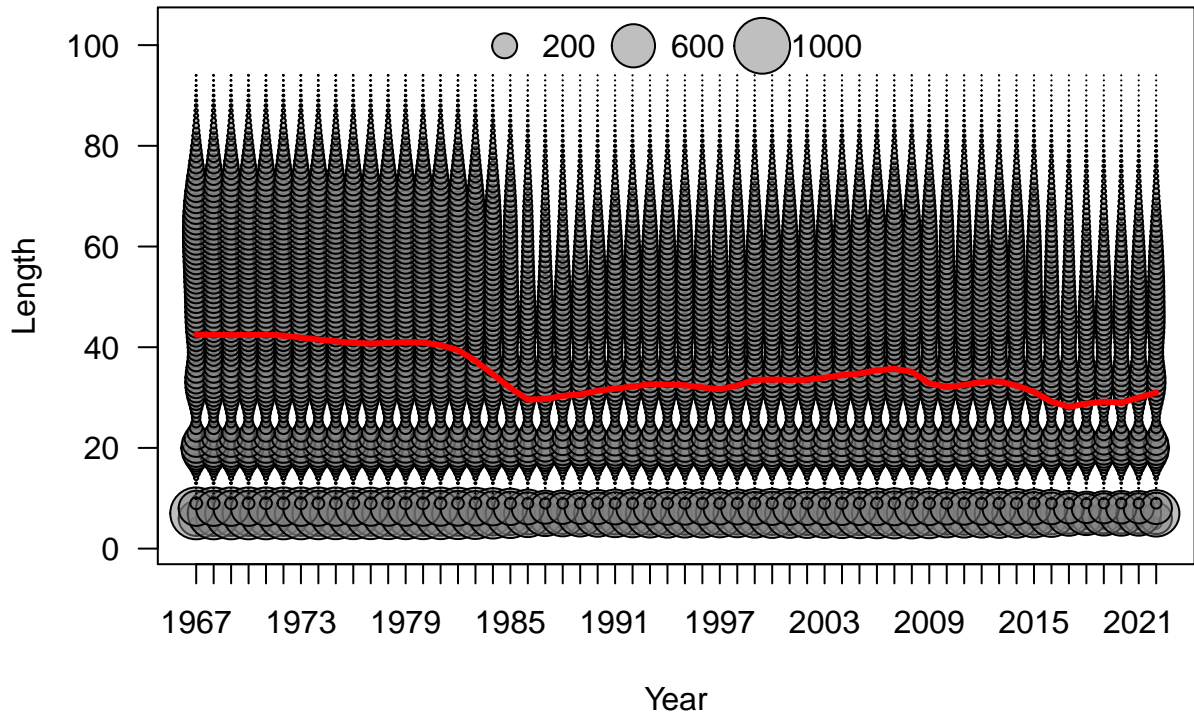


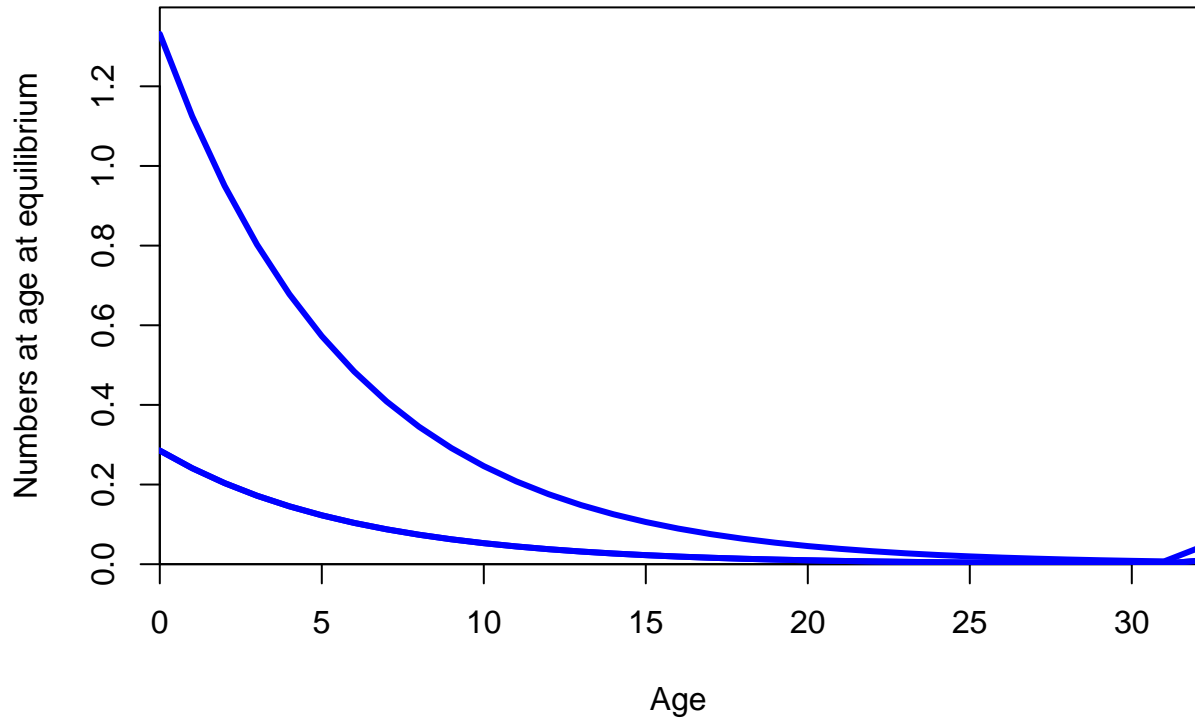
















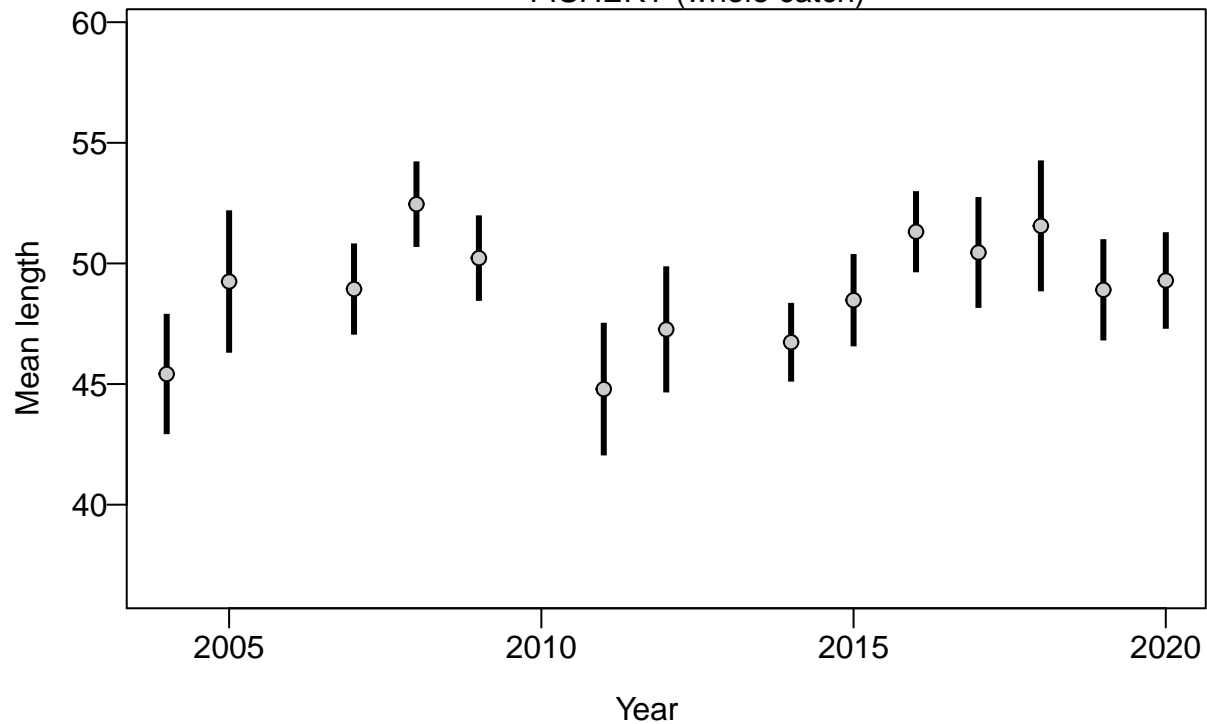


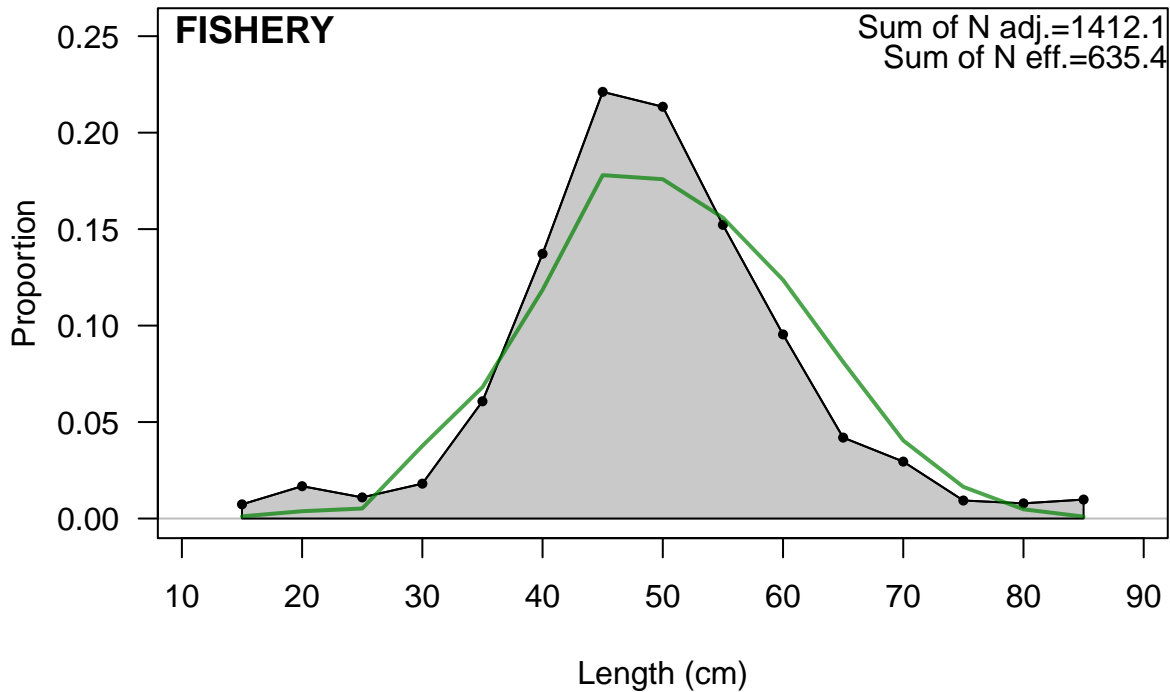
Proportion

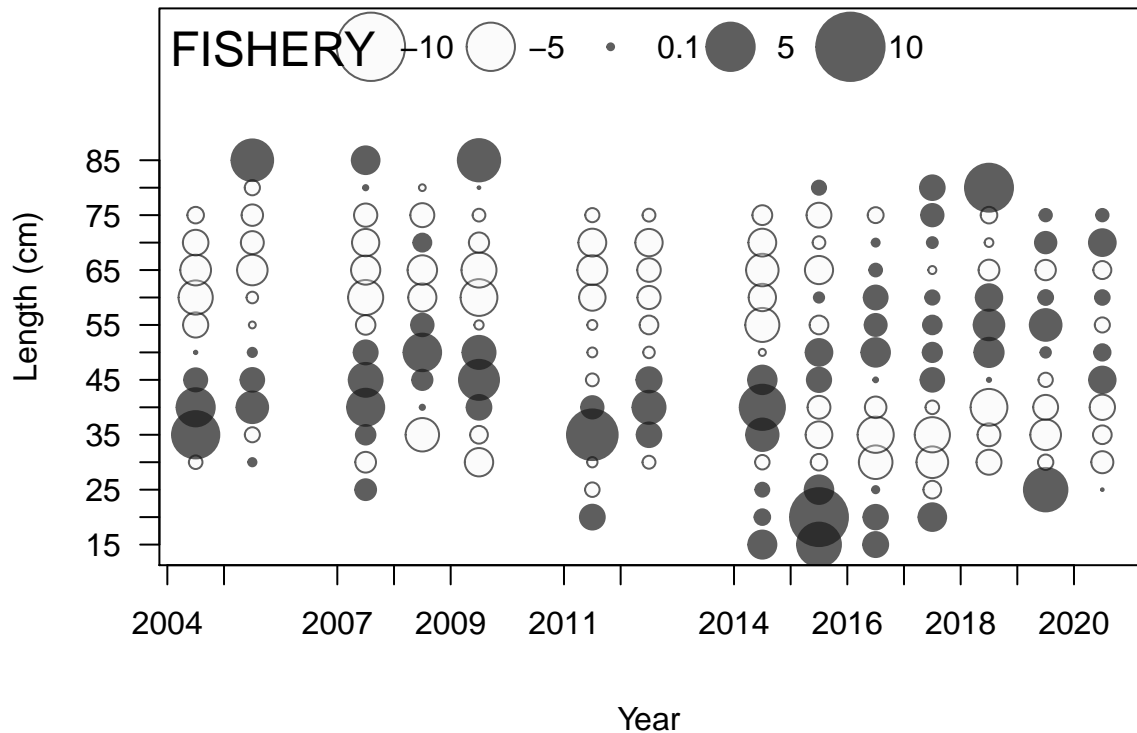


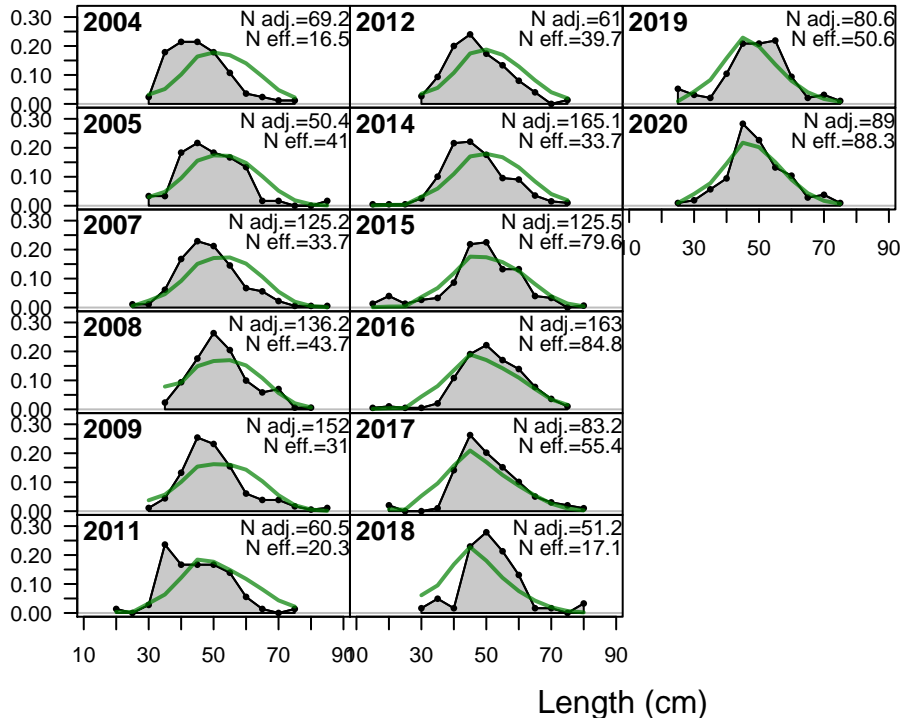


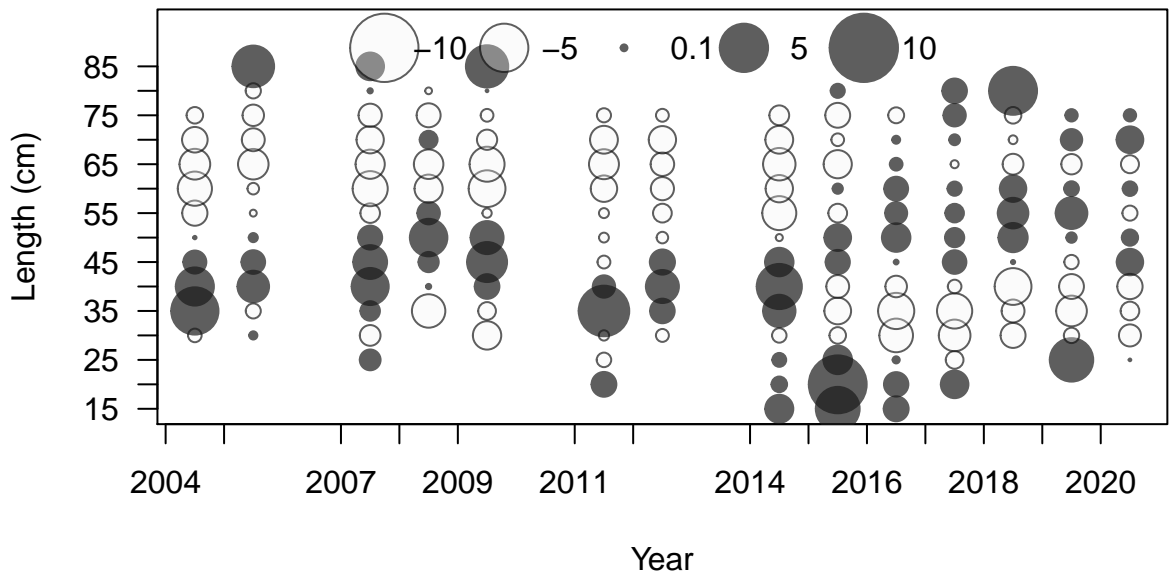
FISHERY (whole catch)



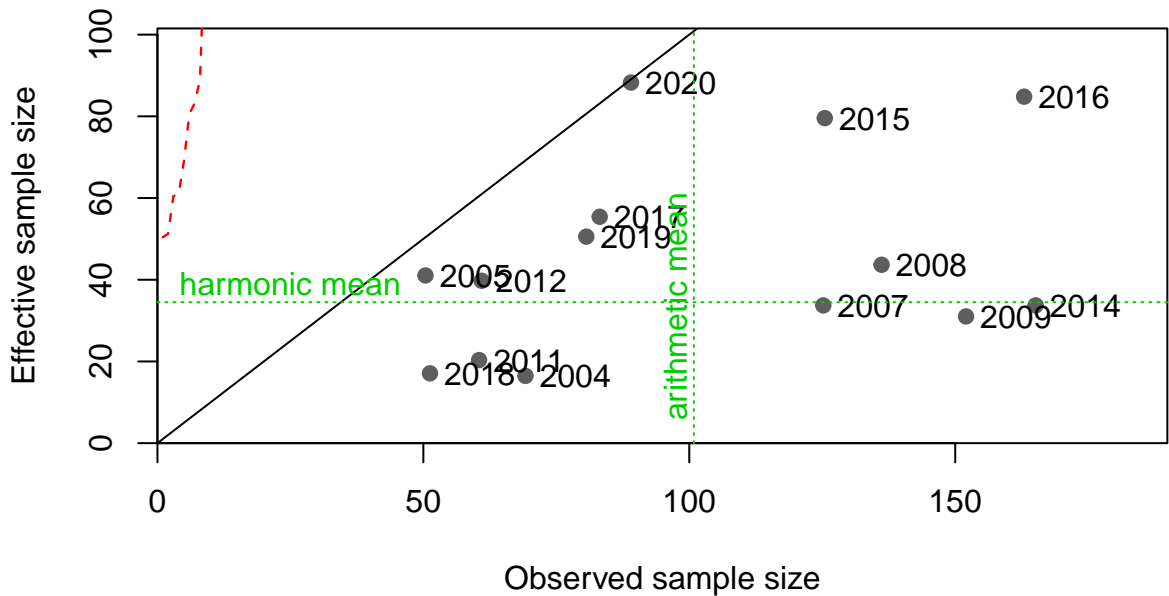




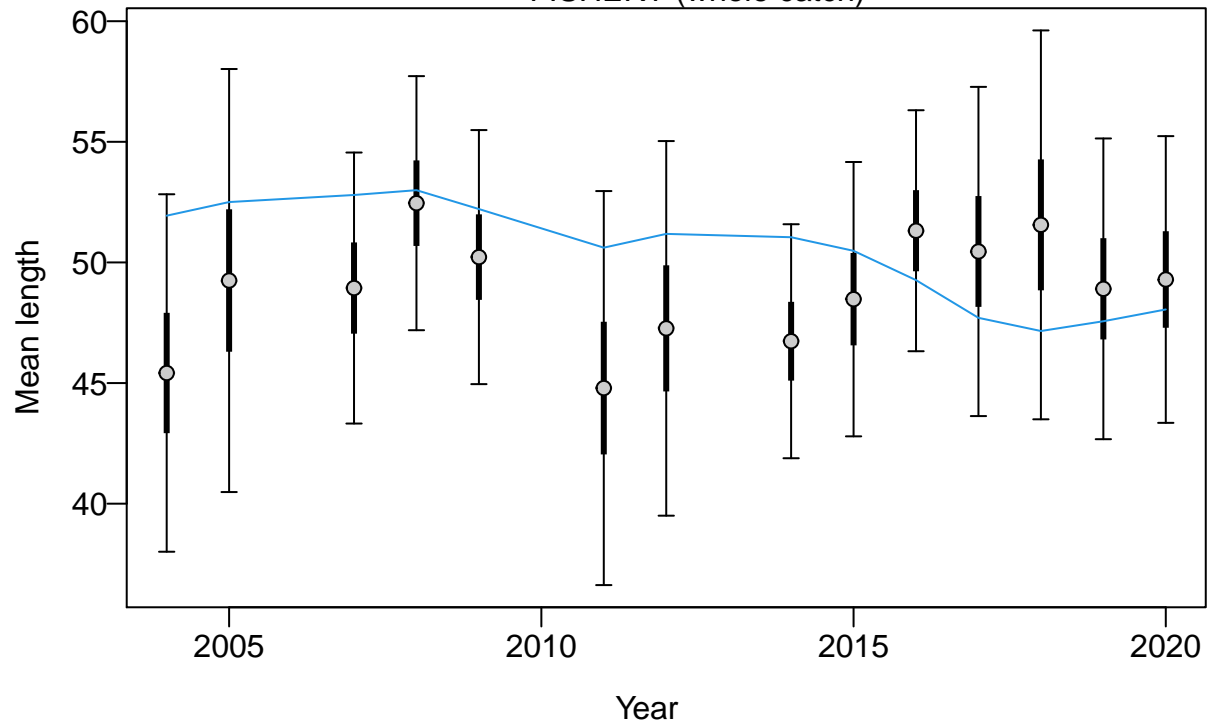


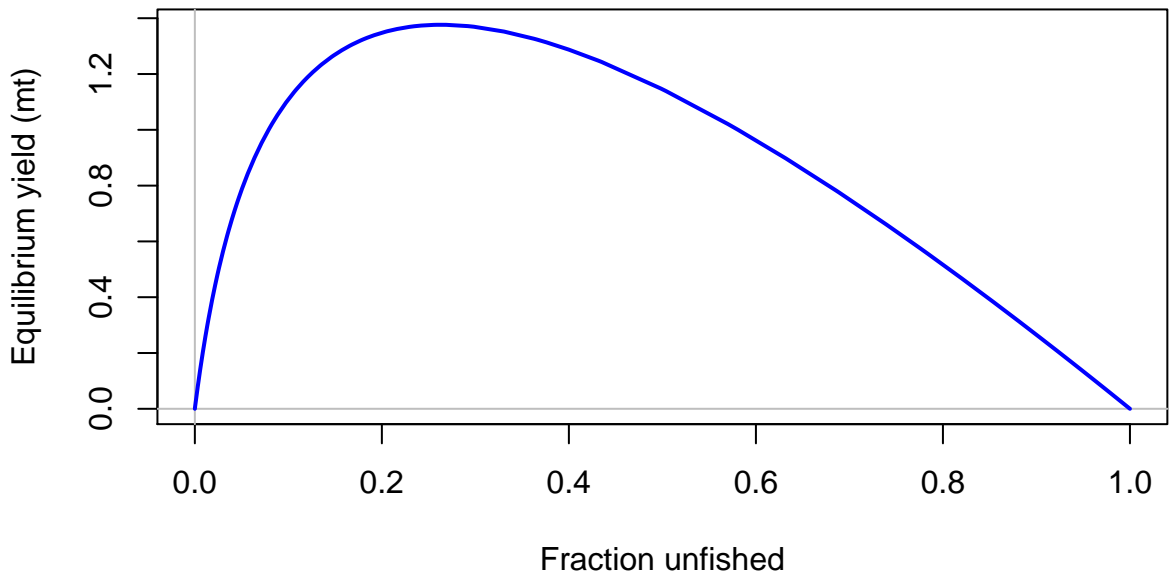


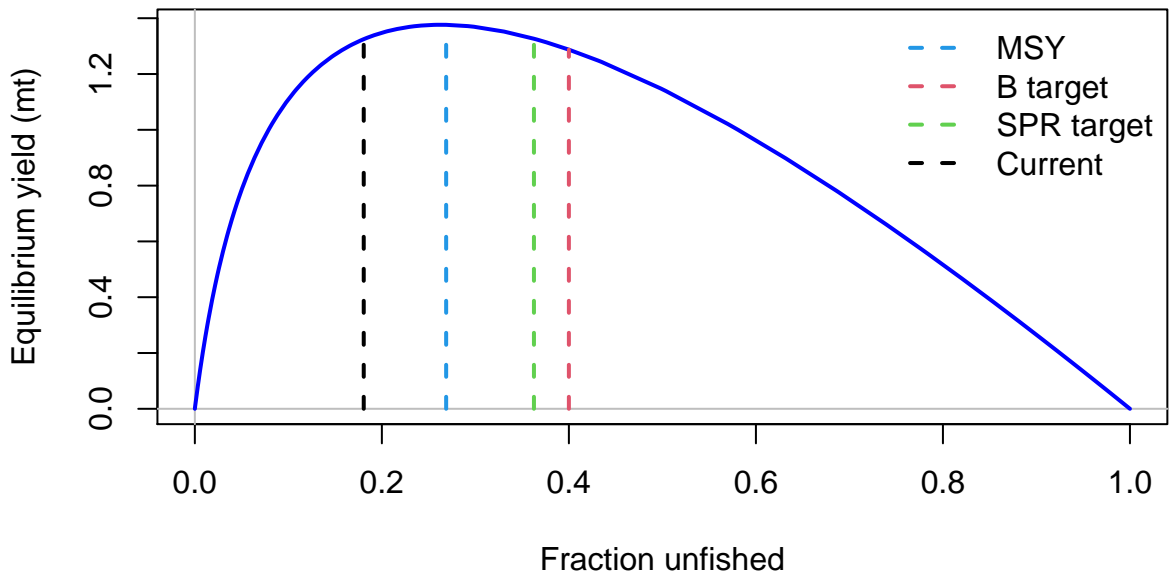


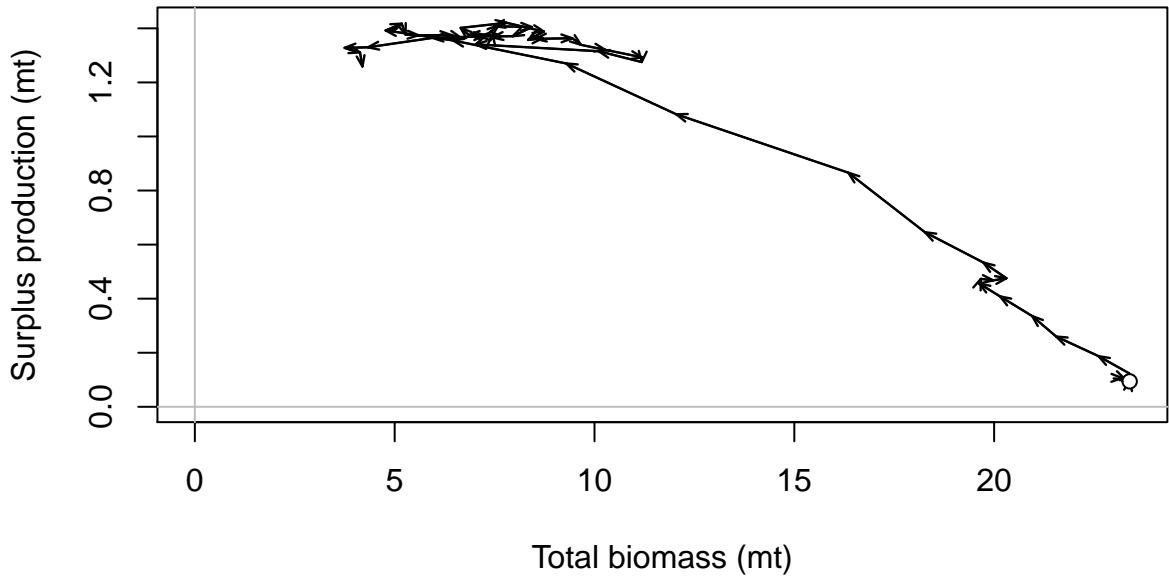


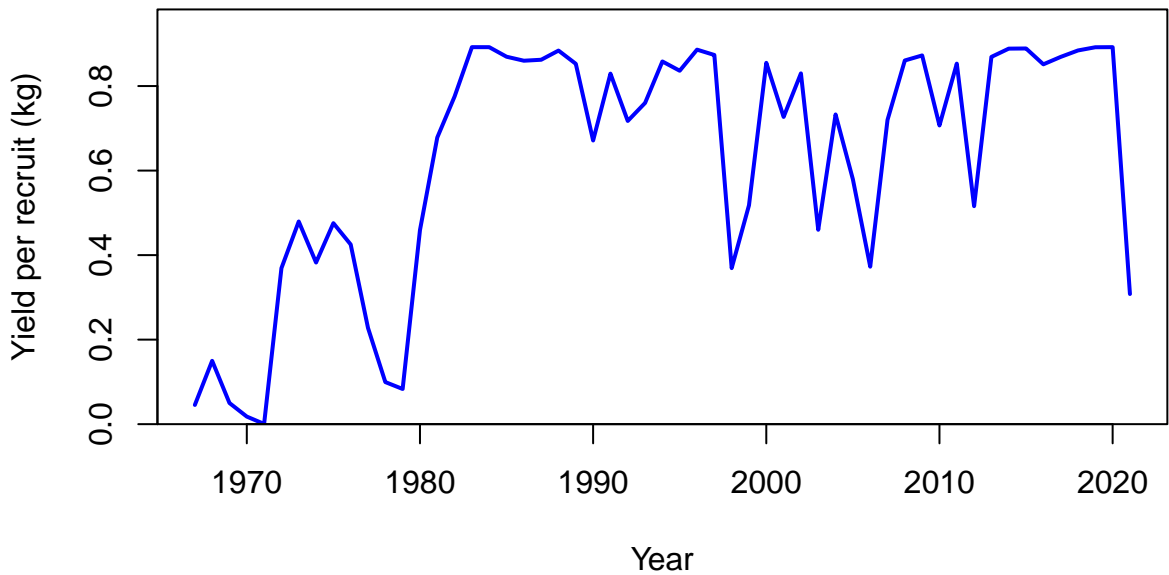
FISHERY (whole catch)









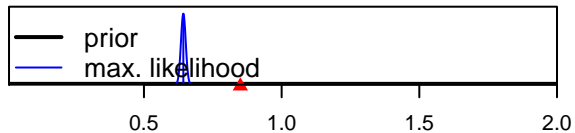




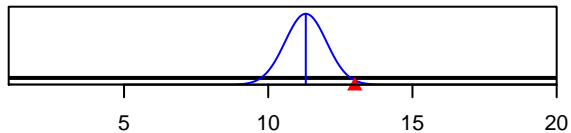




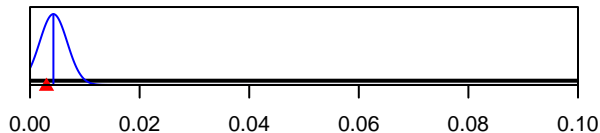
SR\_LN(R0)



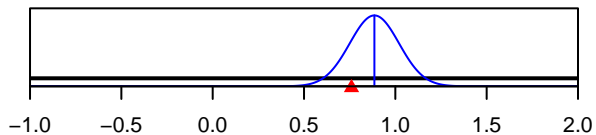
Size\_95%width\_FISHERY(1)



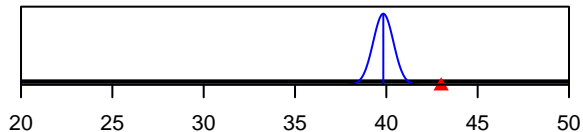
InitF\_seas\_1\_flt\_1FISHERY



LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value