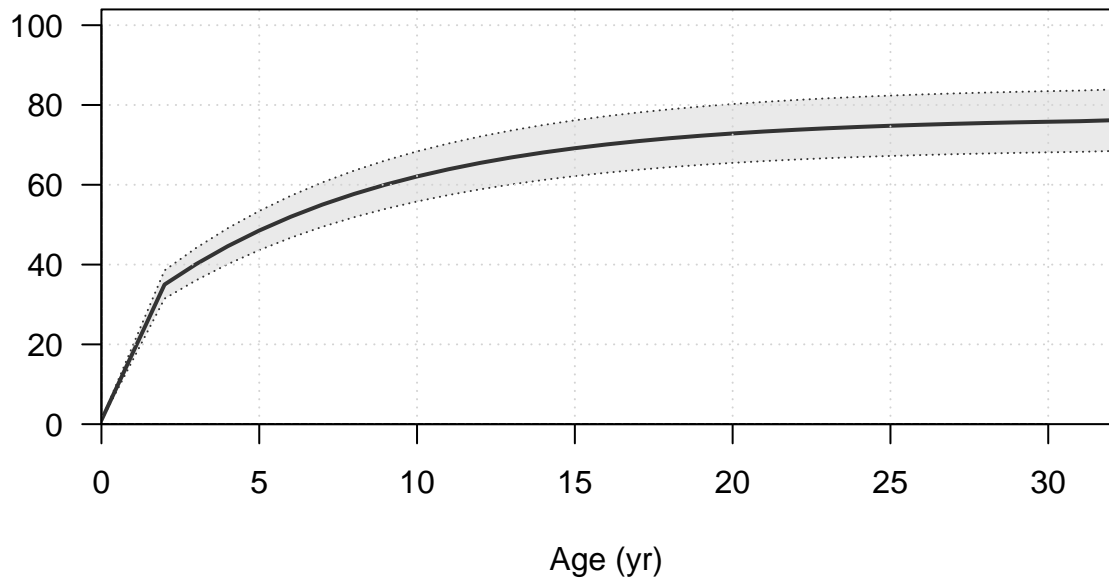


Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Sun Aug 28 15:01:45 2022  
Data\_File: data.ss  
Control\_File: control.ss

Length (cm, beginning of the year)



























Fecundity



Fecundity



Spawning output

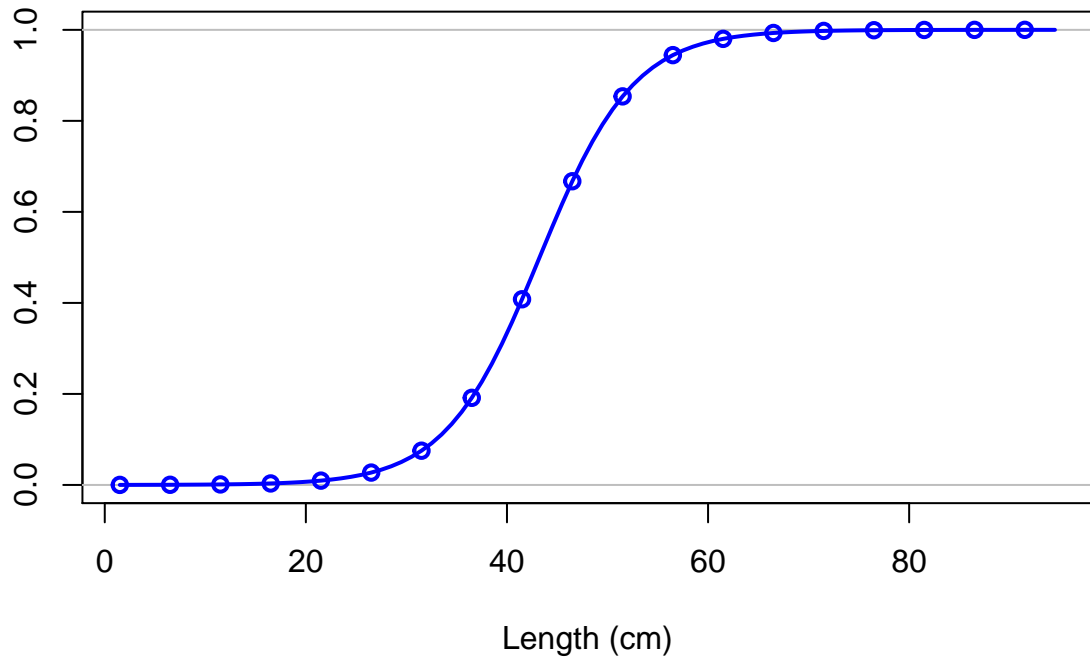




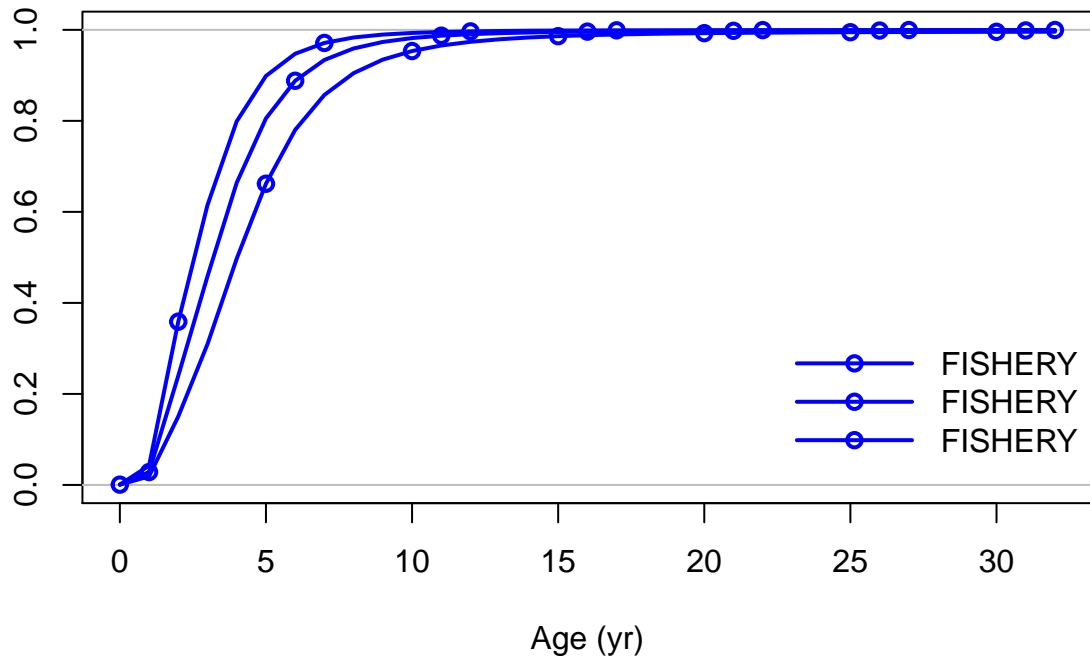
Spawning output



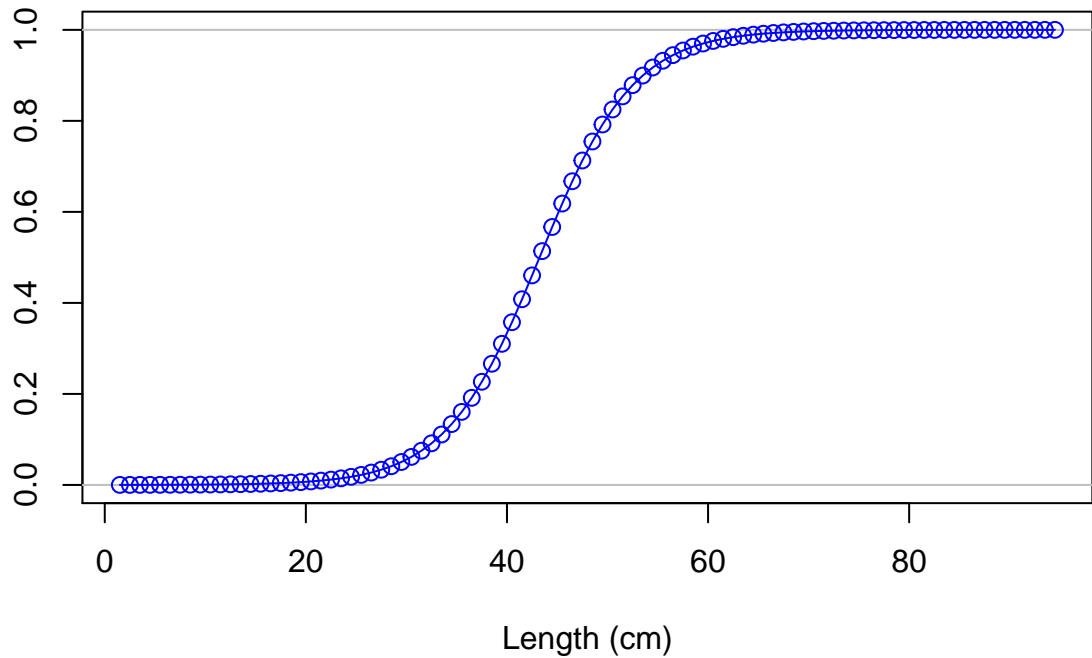
Selectivity

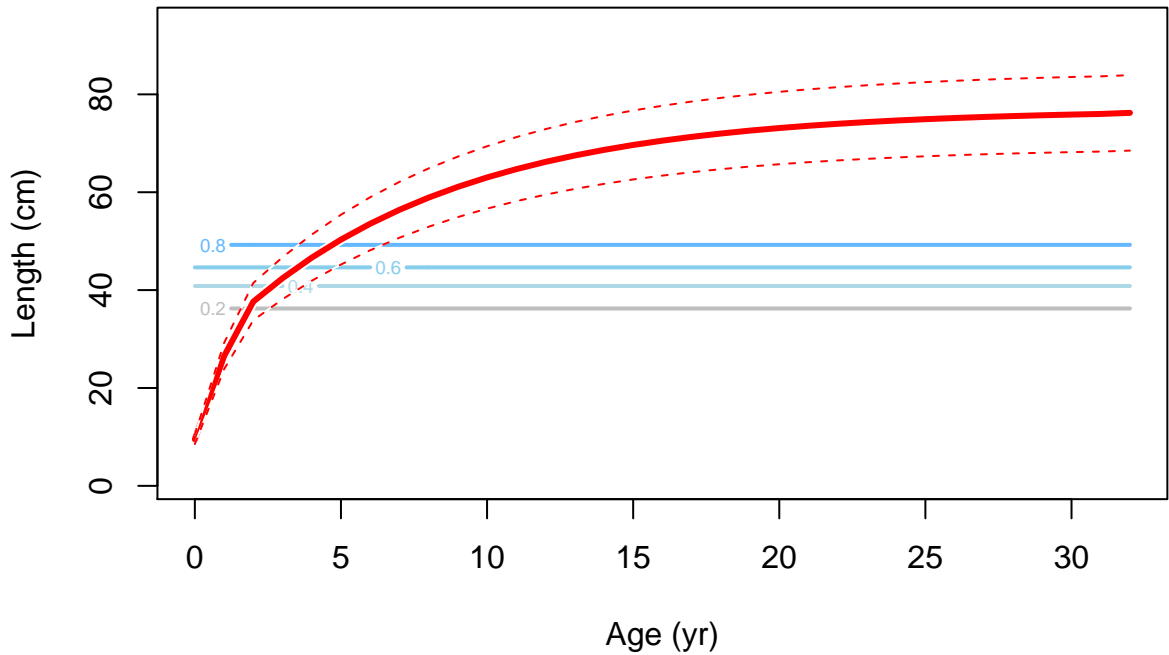


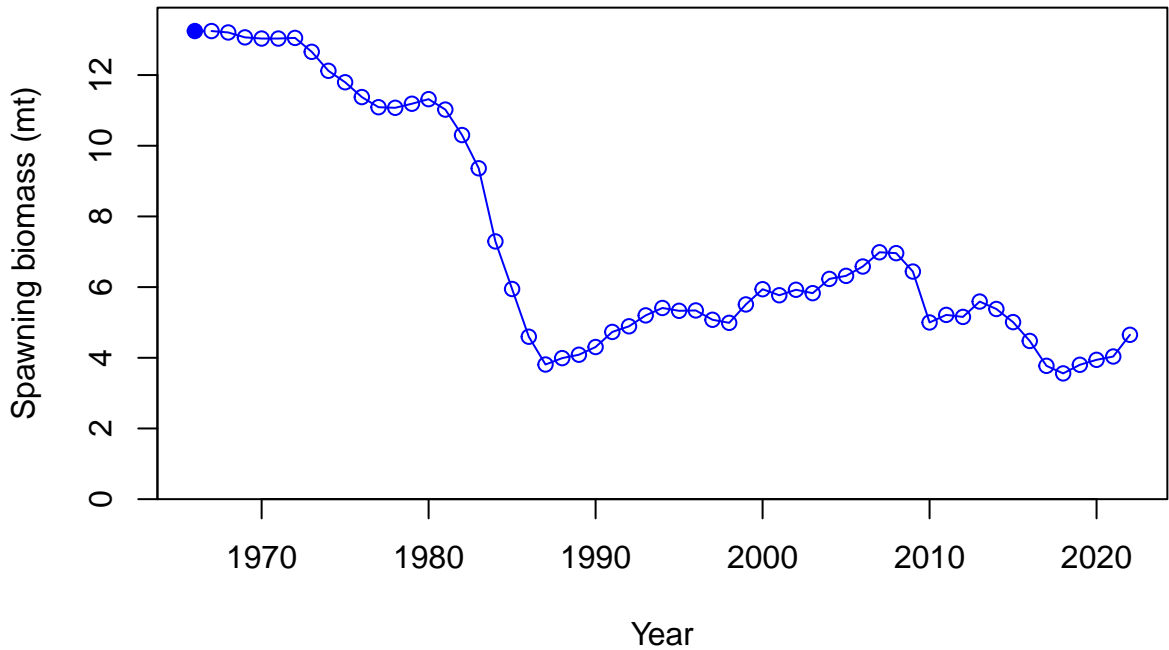
Selectivity

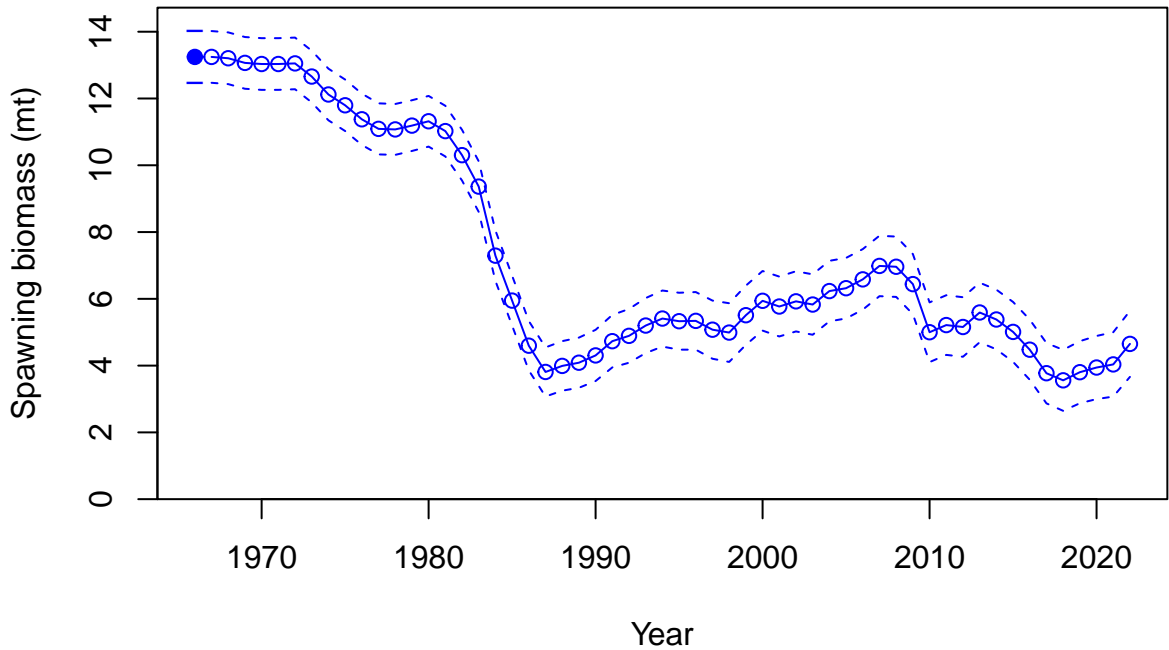


Selectivity

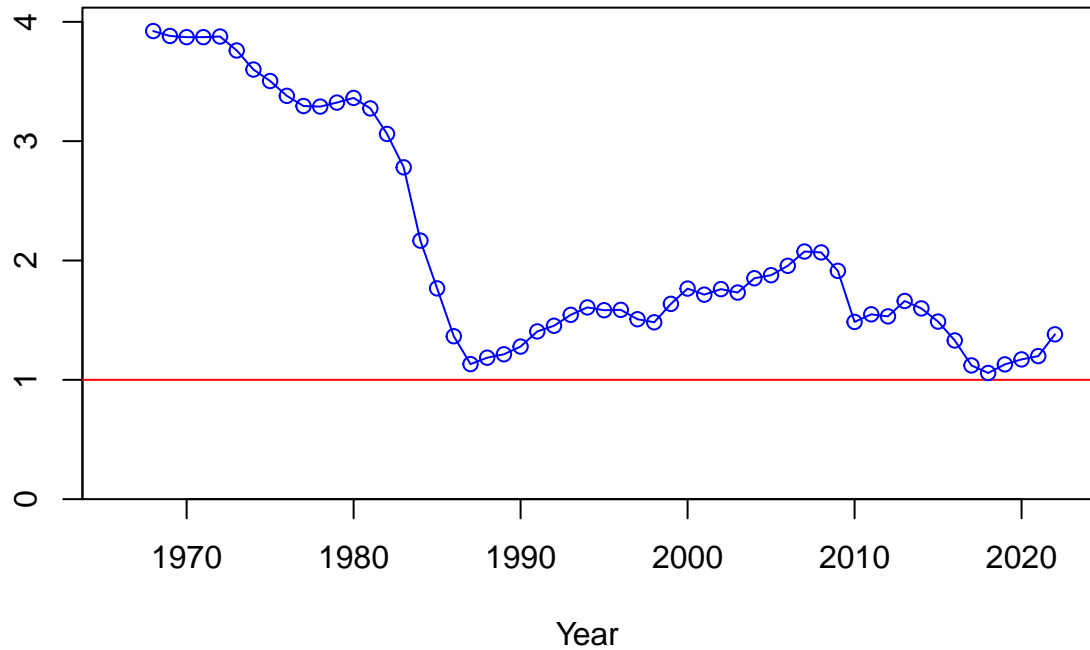






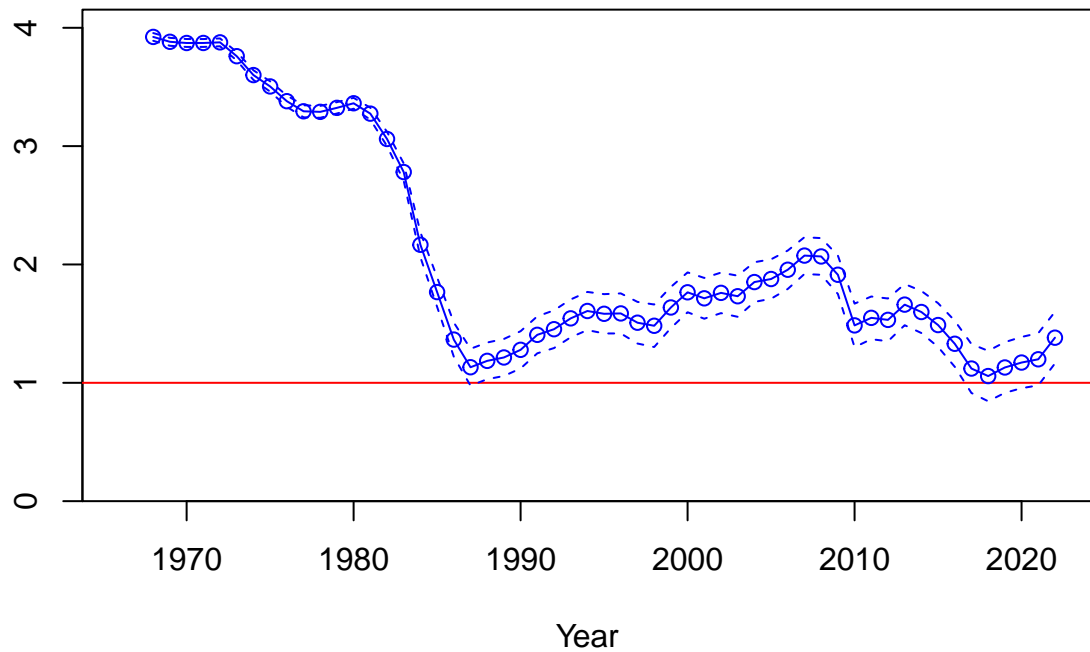


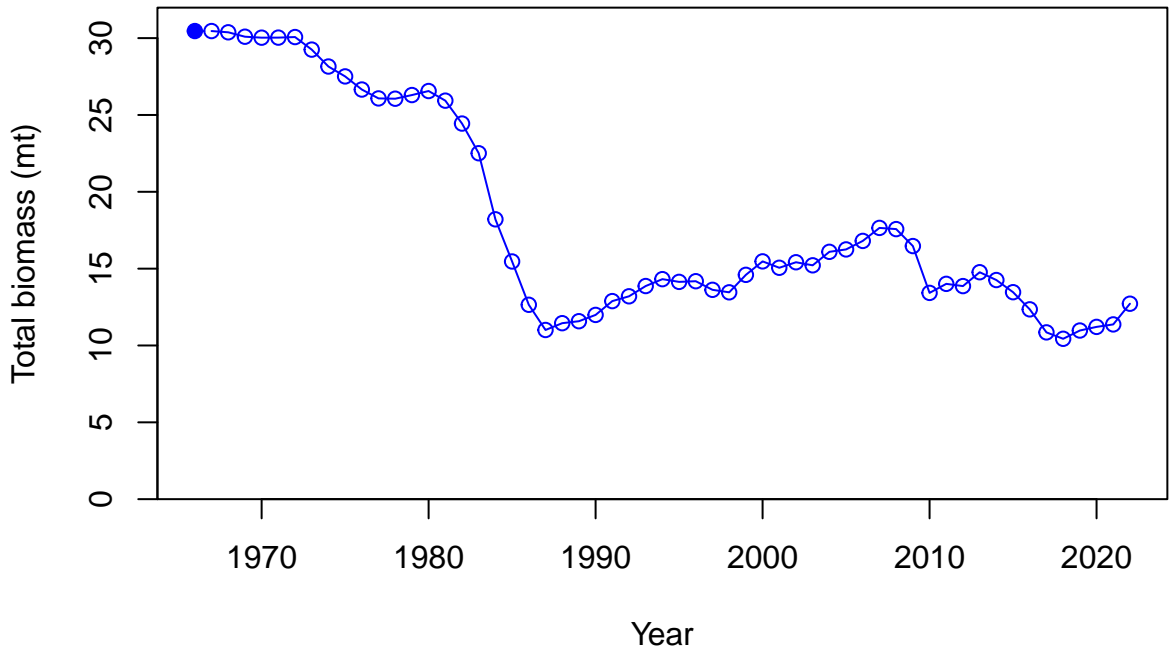
Relative spawning biomass:  $B/B_{MSY}$

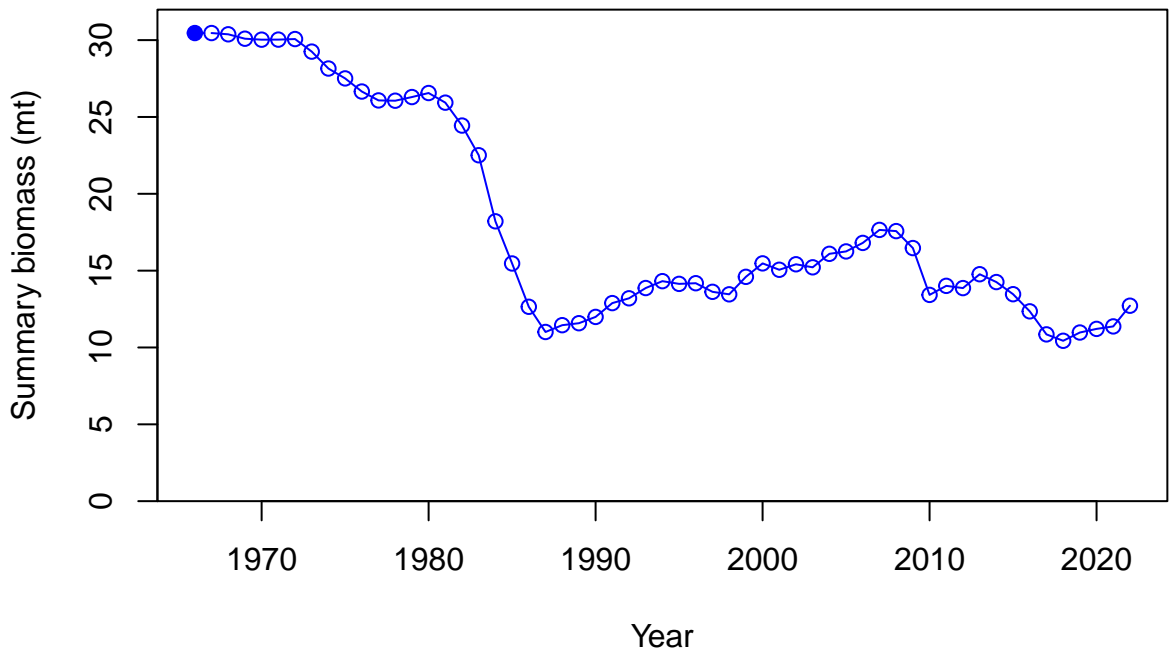


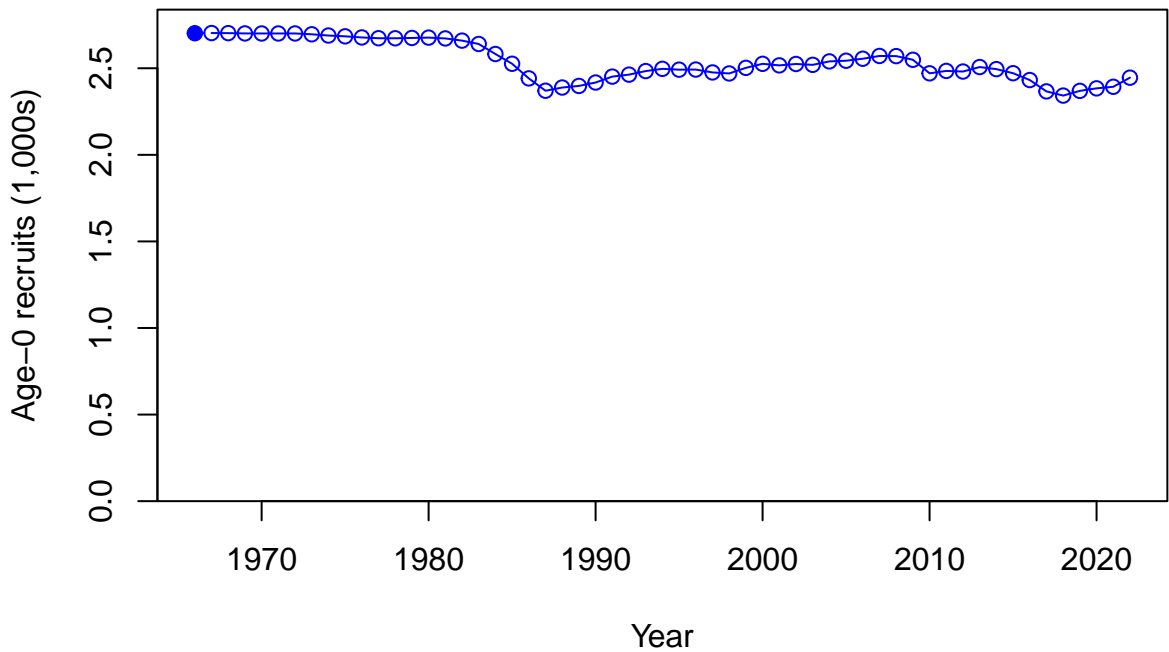


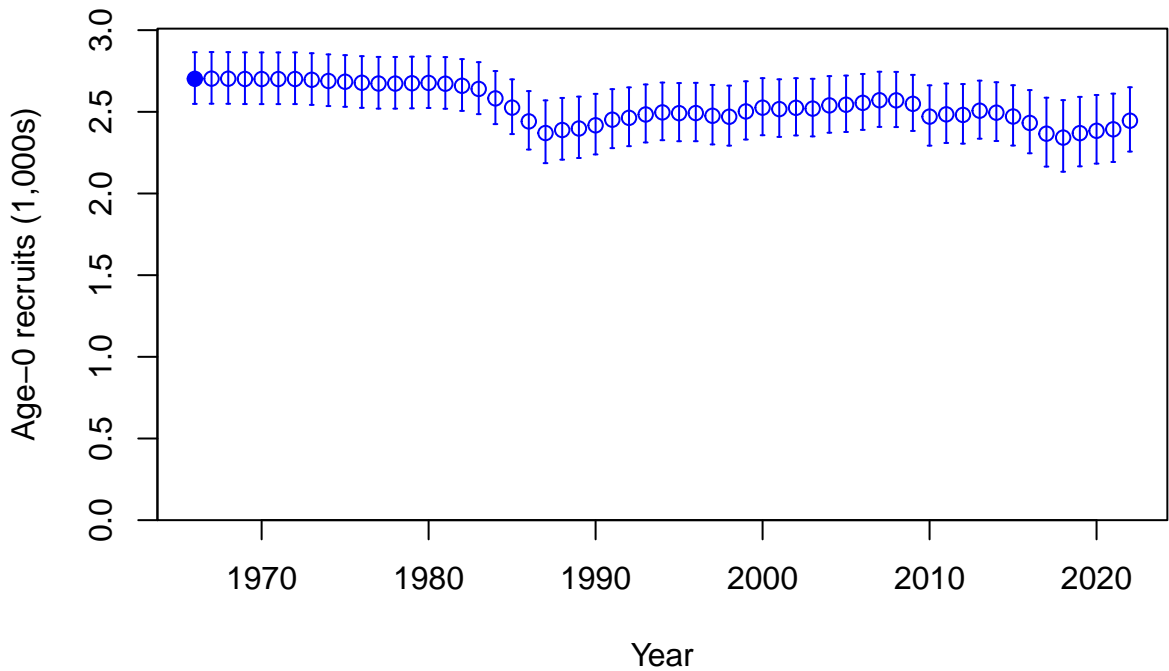
Relative spawning biomass:  $B/B_{MSY}$



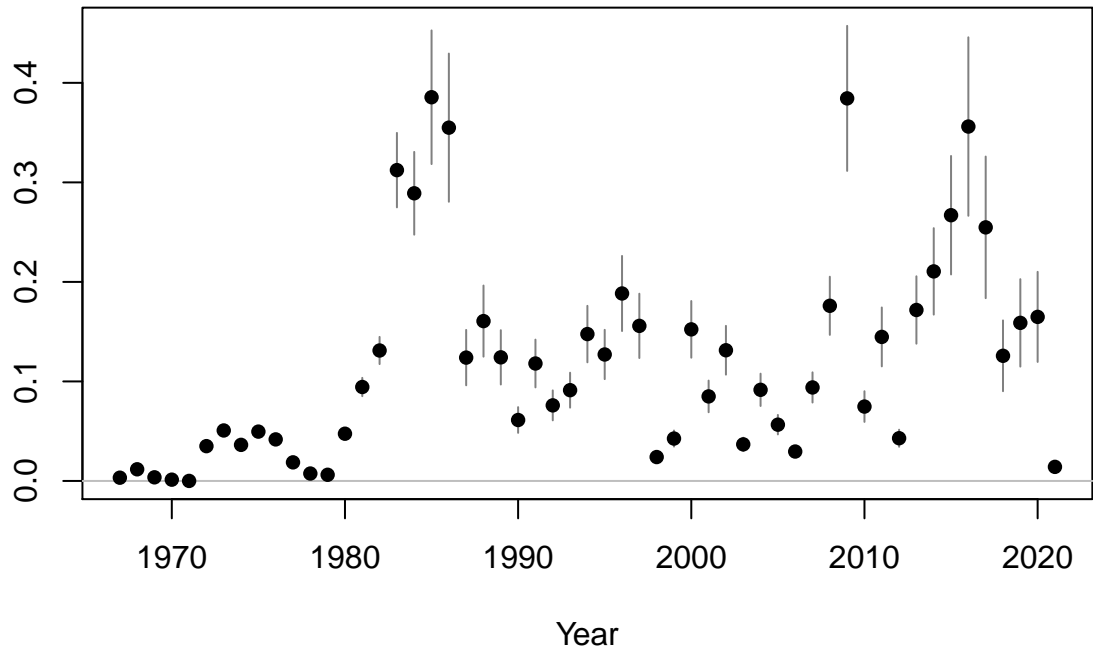


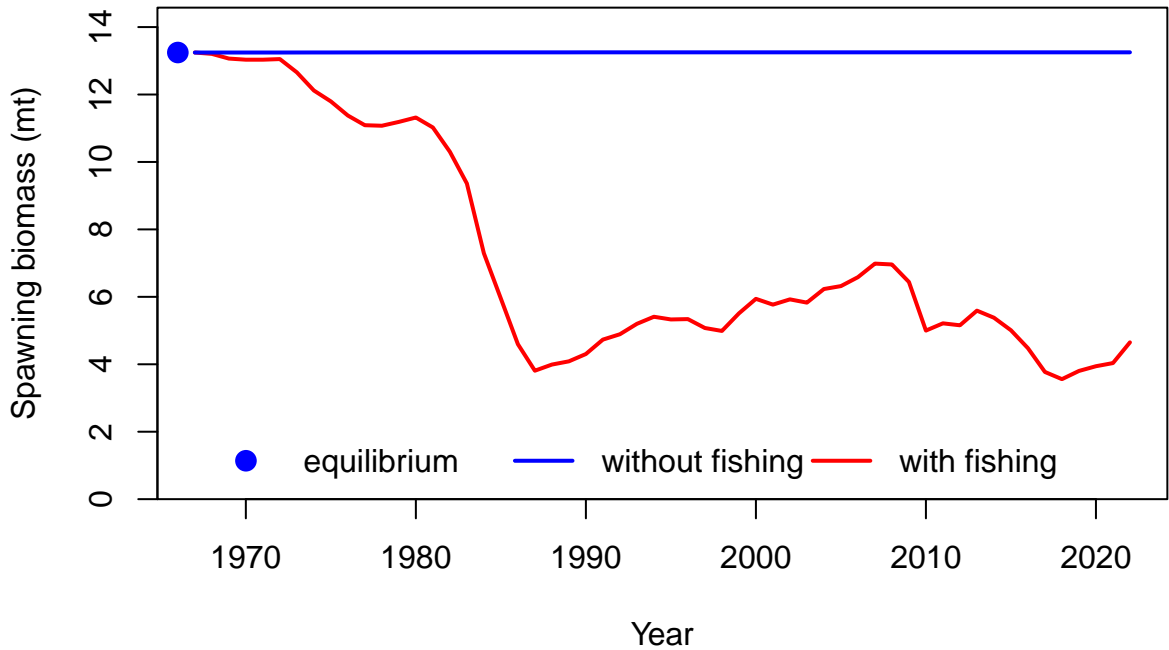


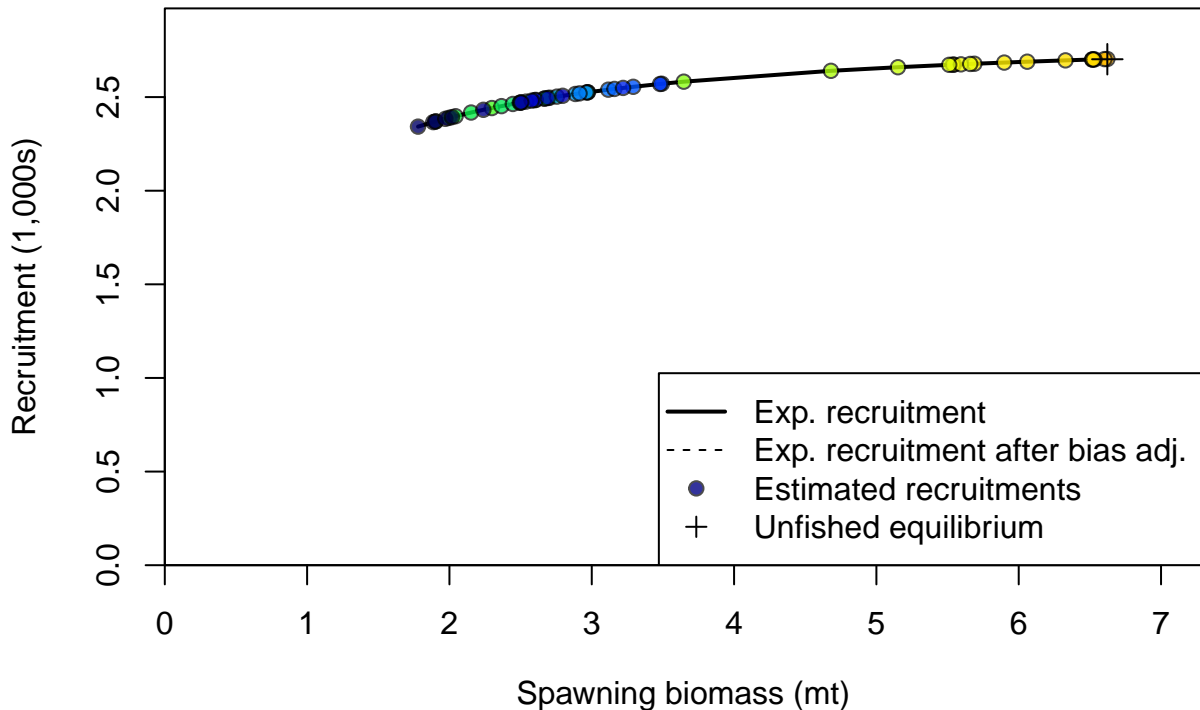




Summary Fishing Mortality

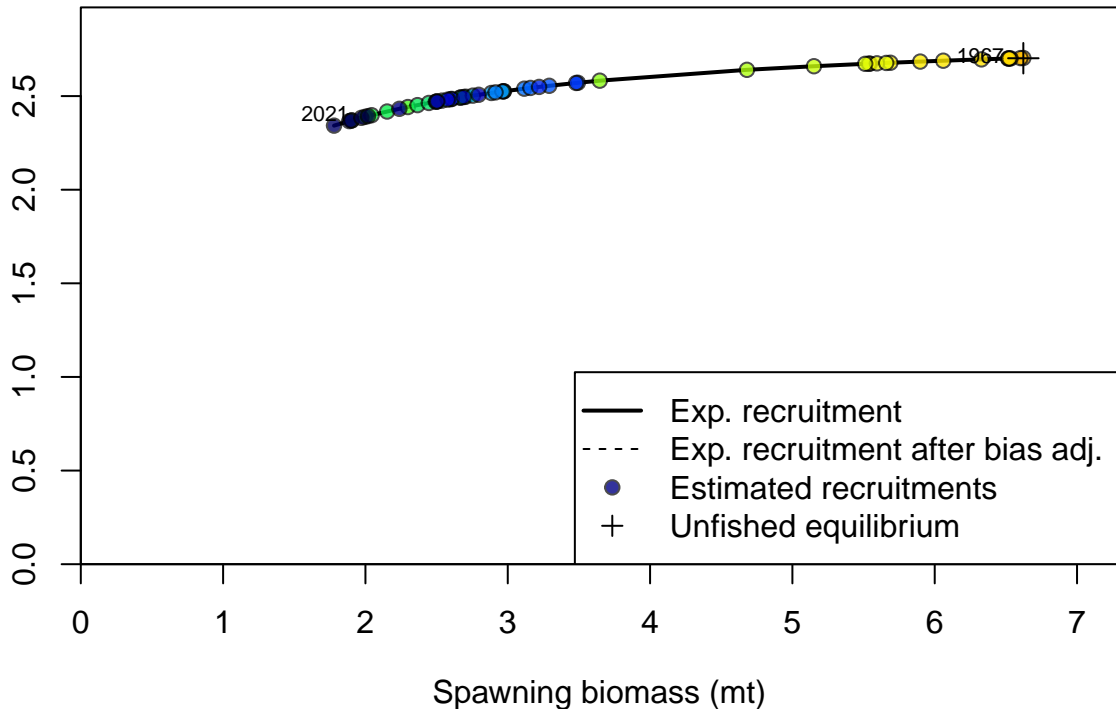


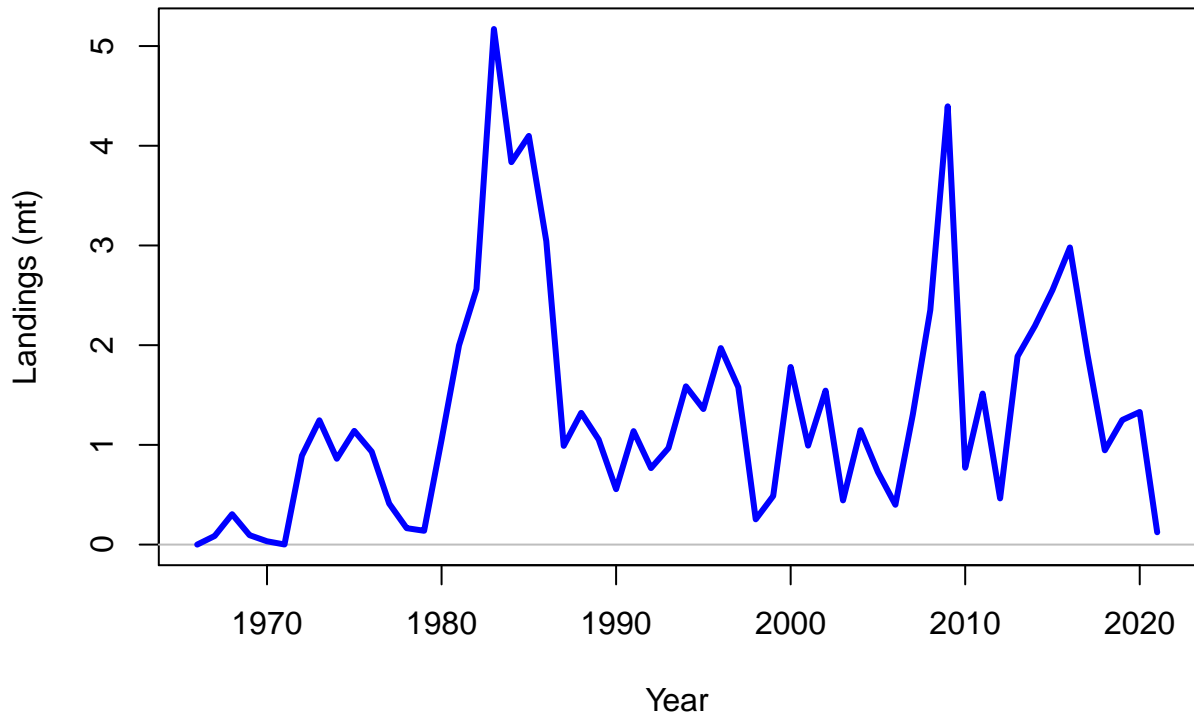


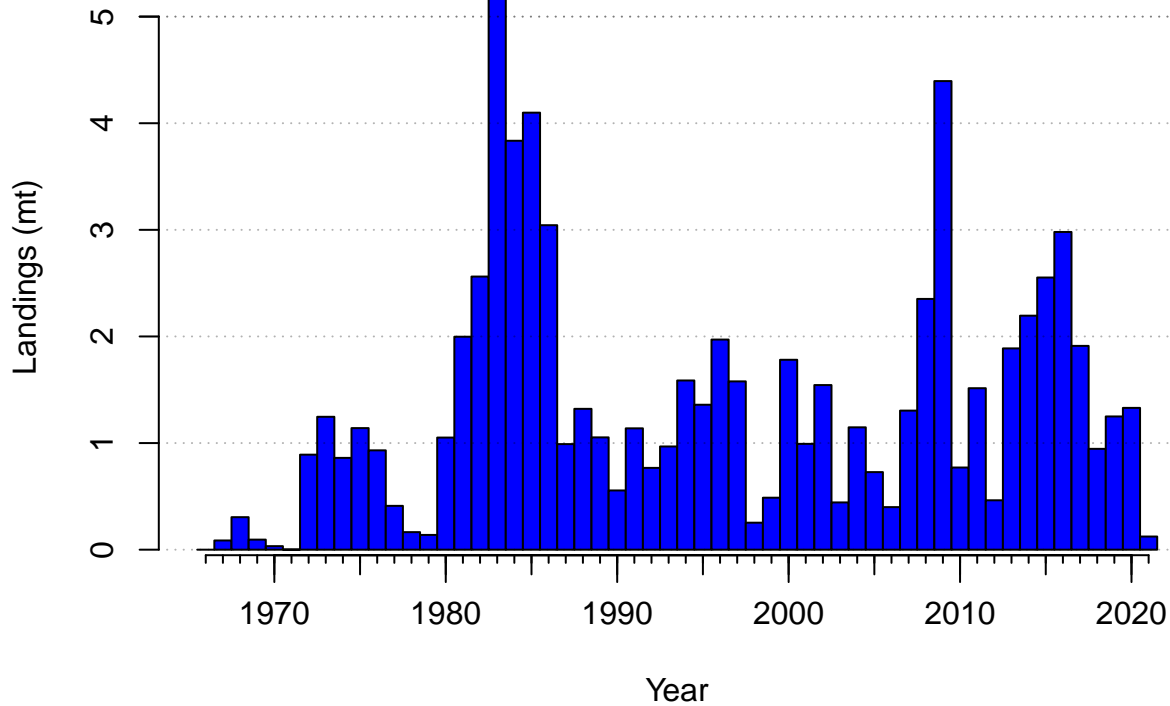


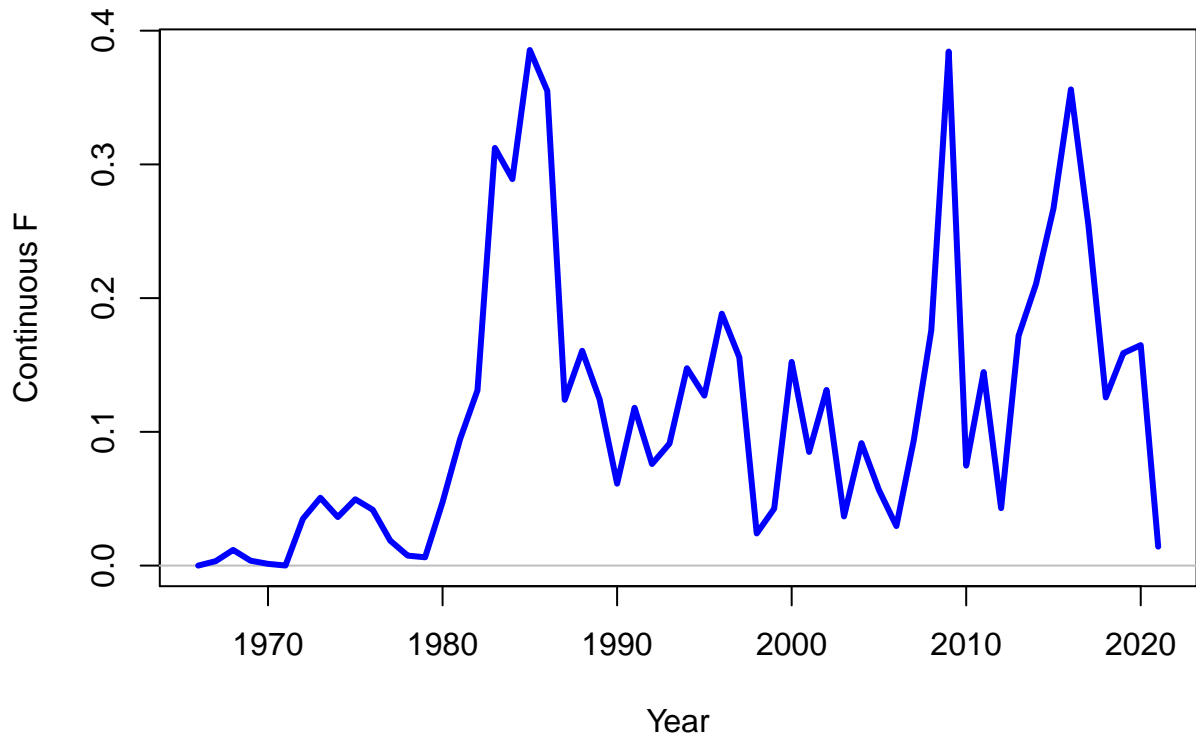


Recruitment (1,000s)

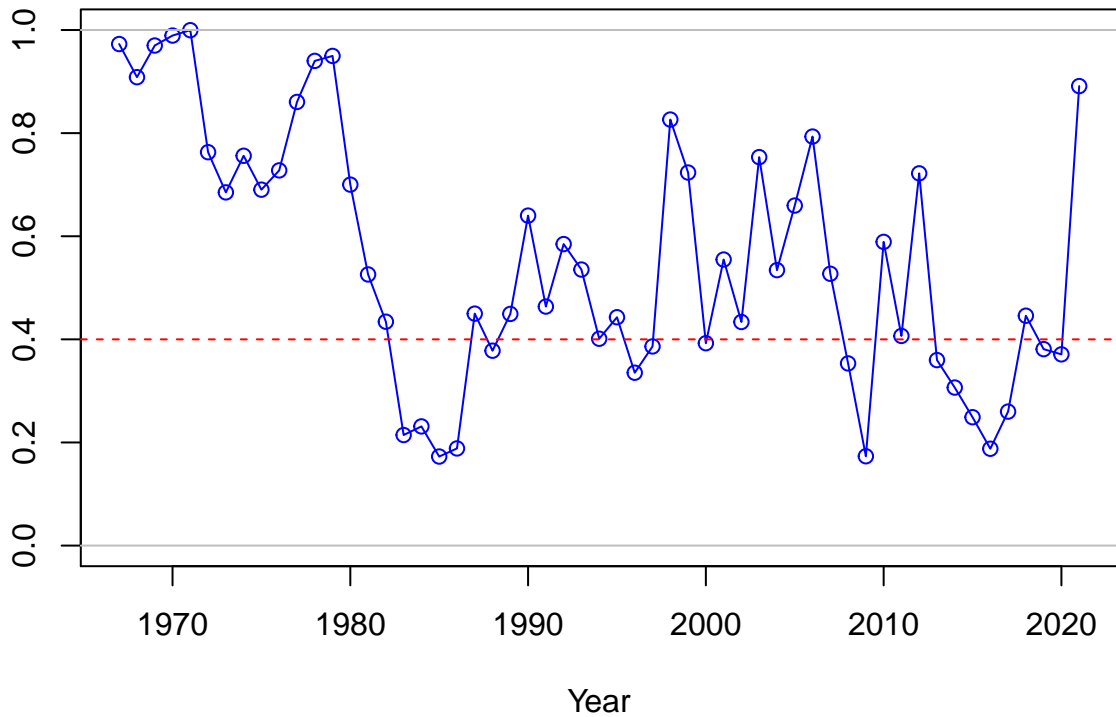


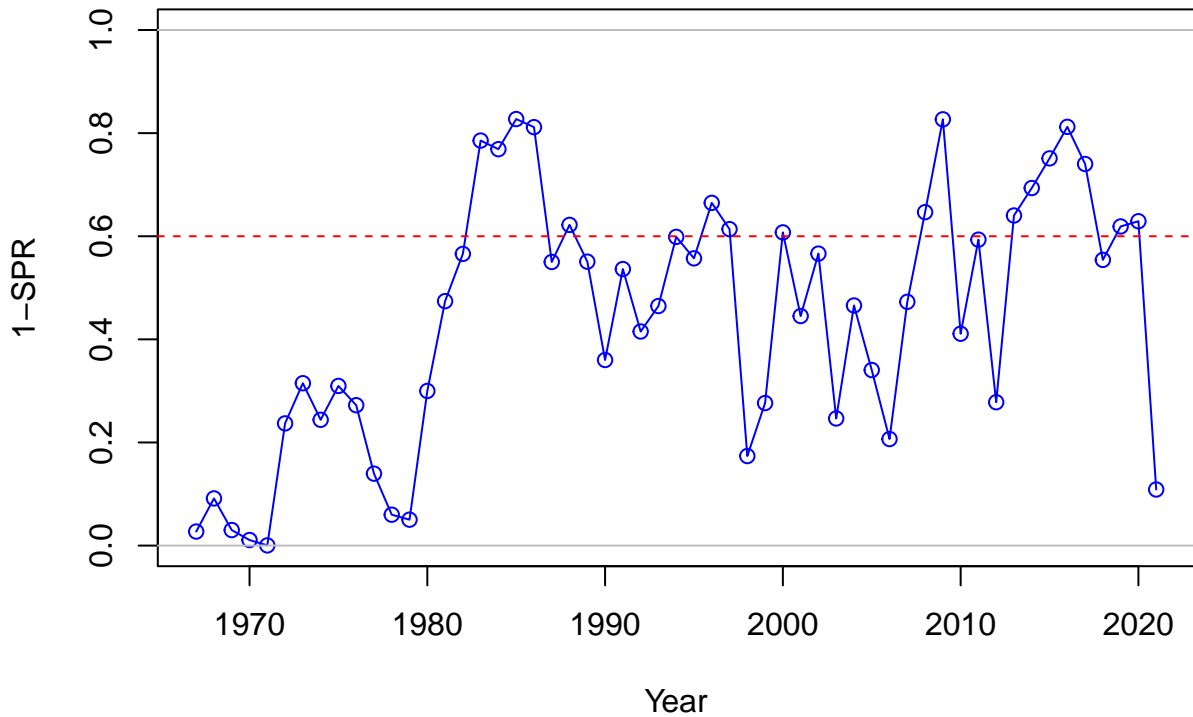




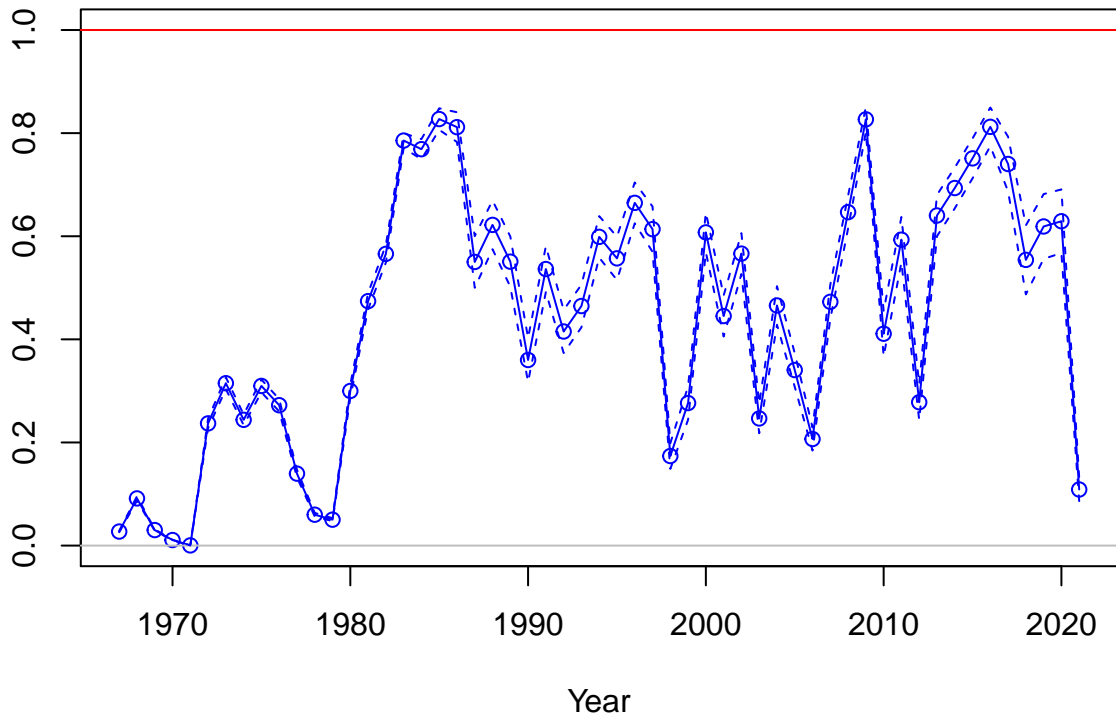


SPR

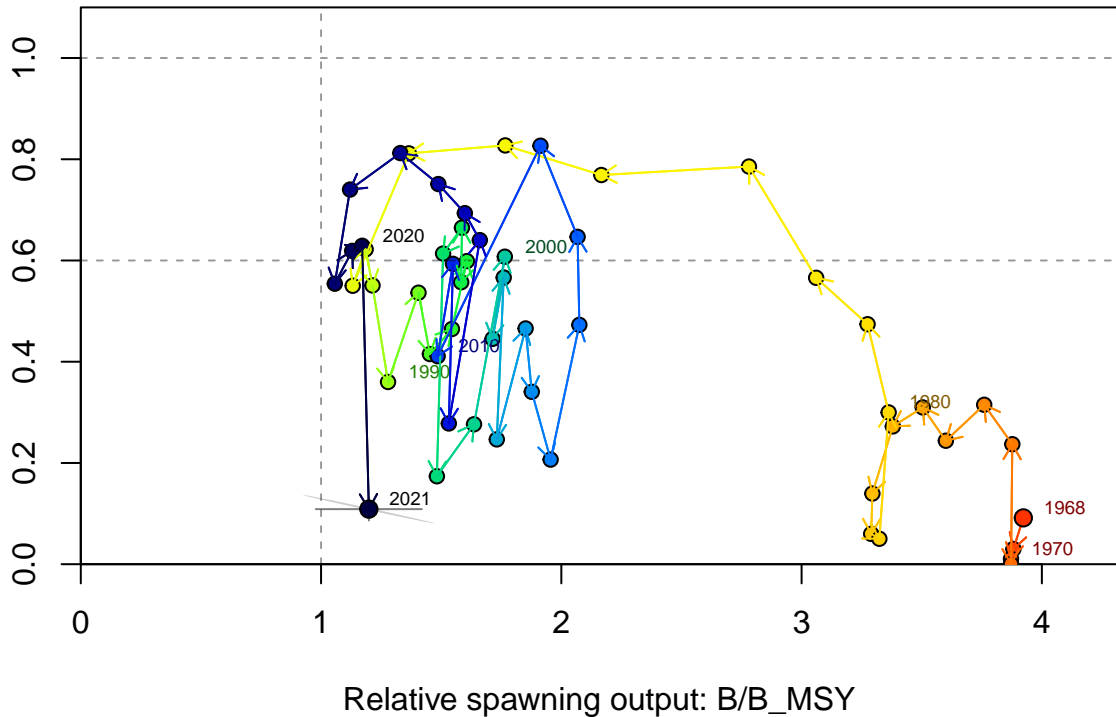




Fishing intensity: 1-SPR

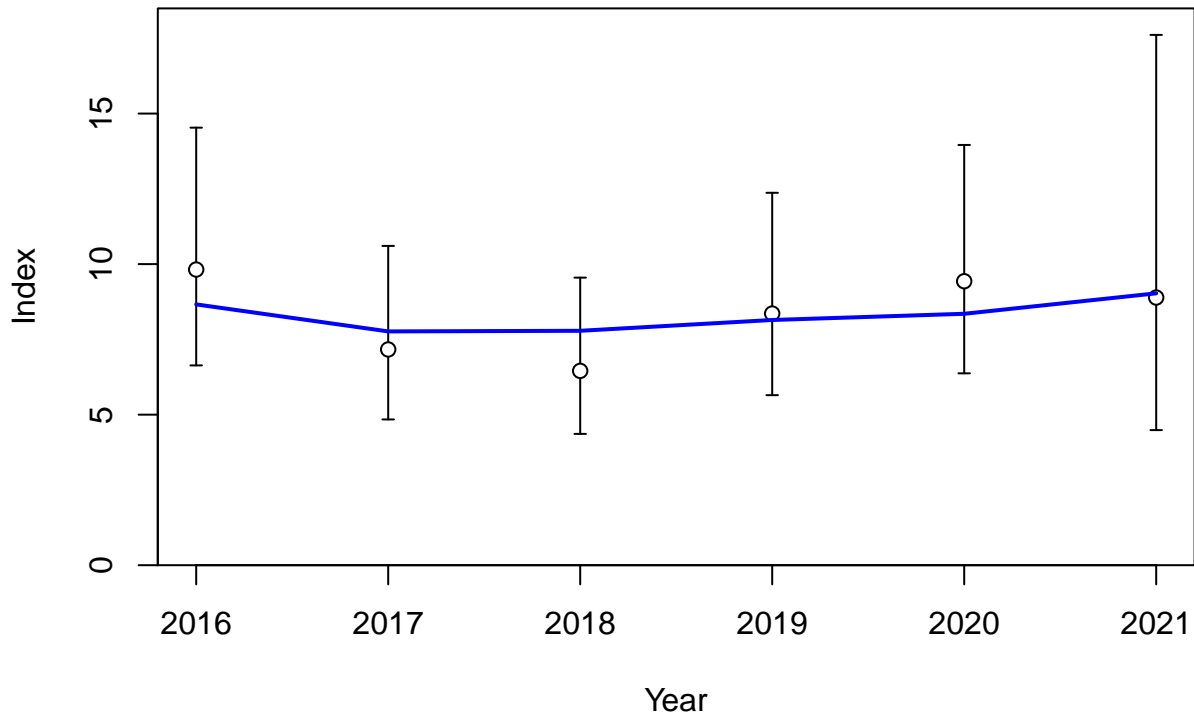


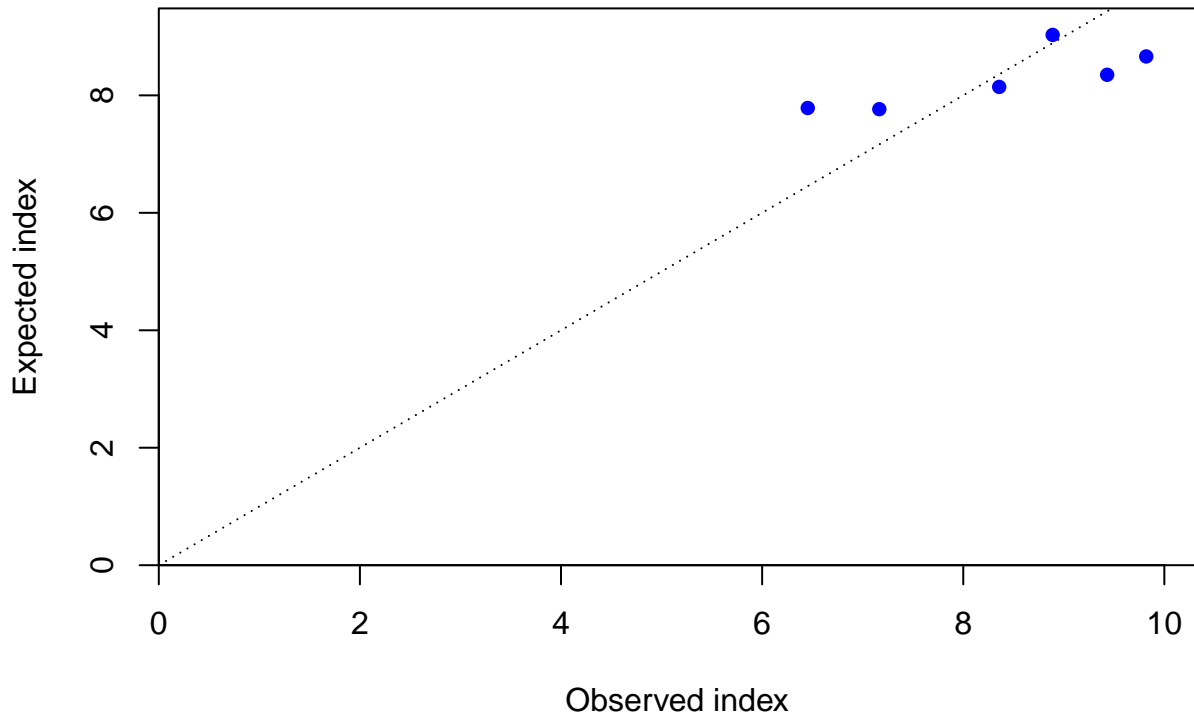
Fishing intensity: 1-SPR

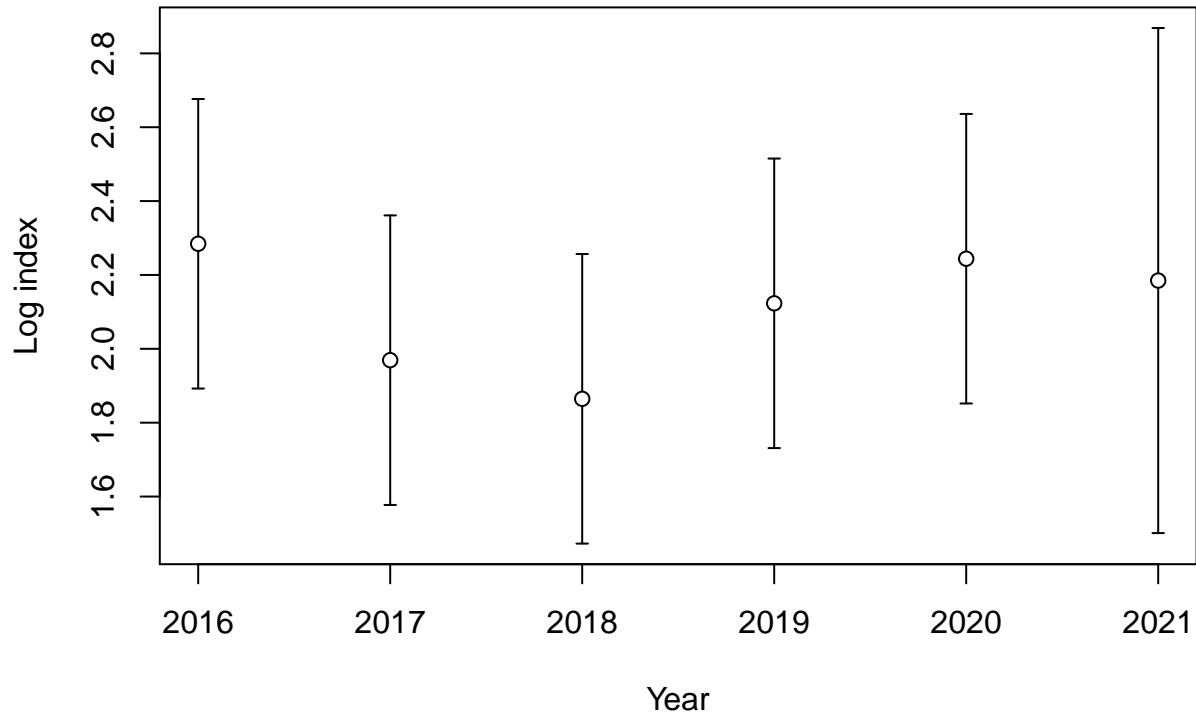


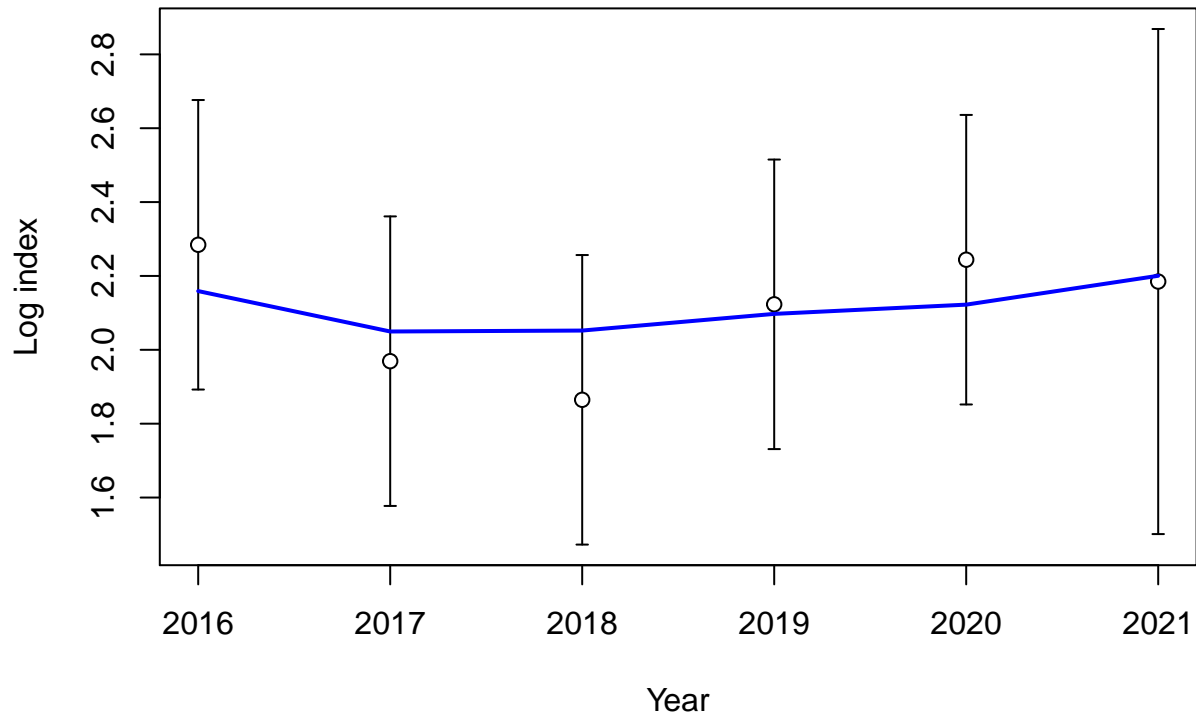




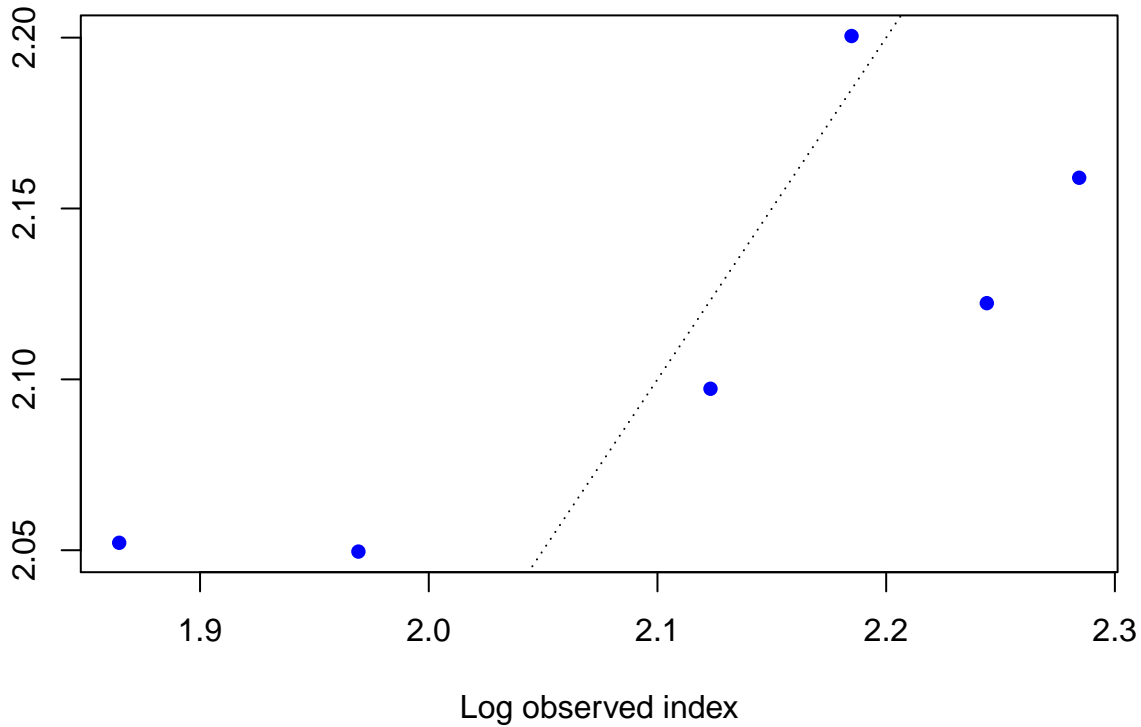


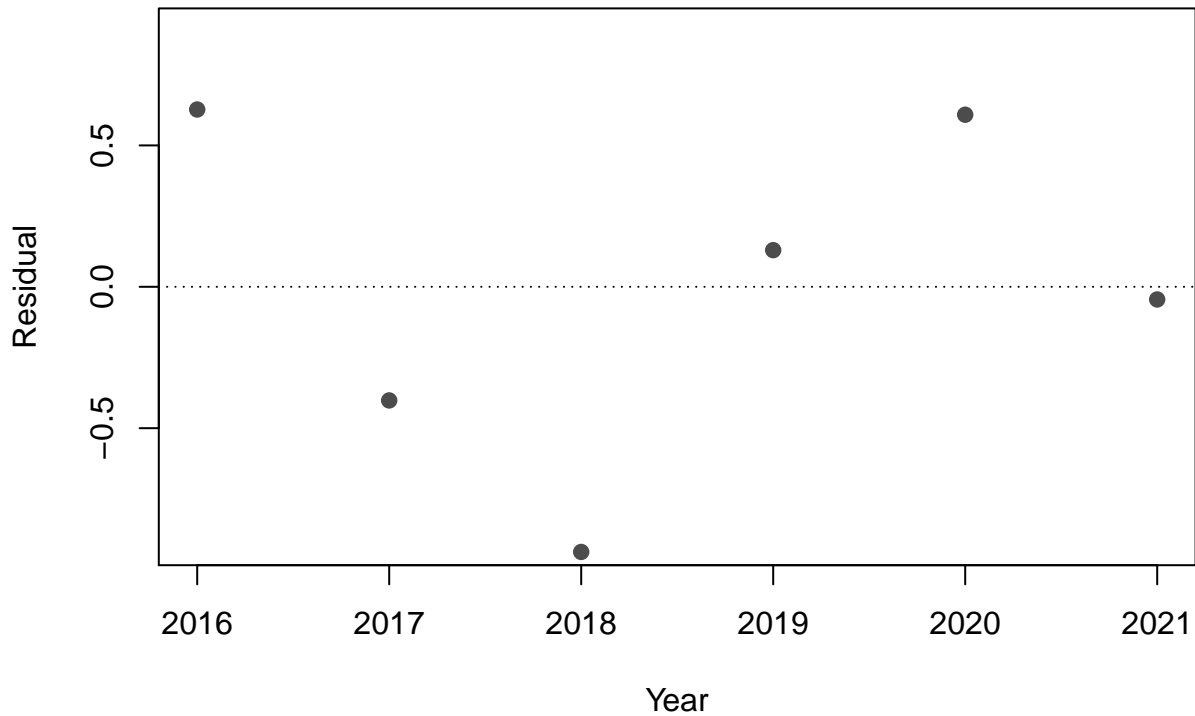






Log expected index





Deviation

0.1  
0.0  
-0.1

2016

2017

2018

2019

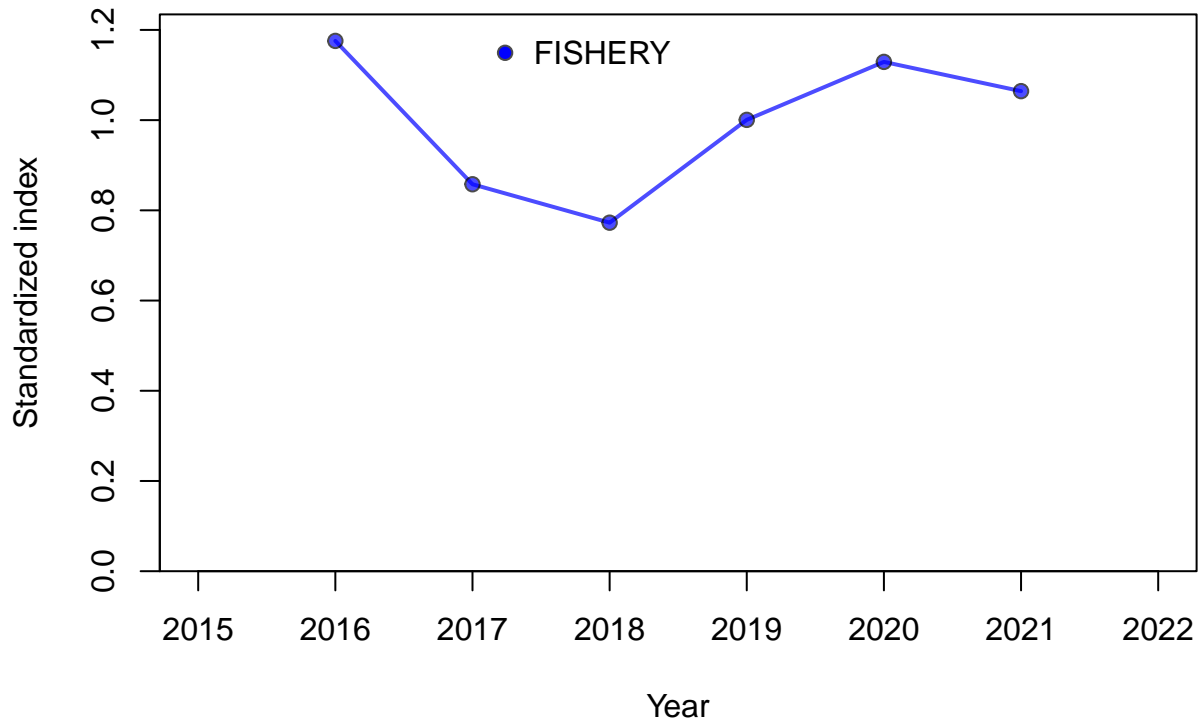
2020

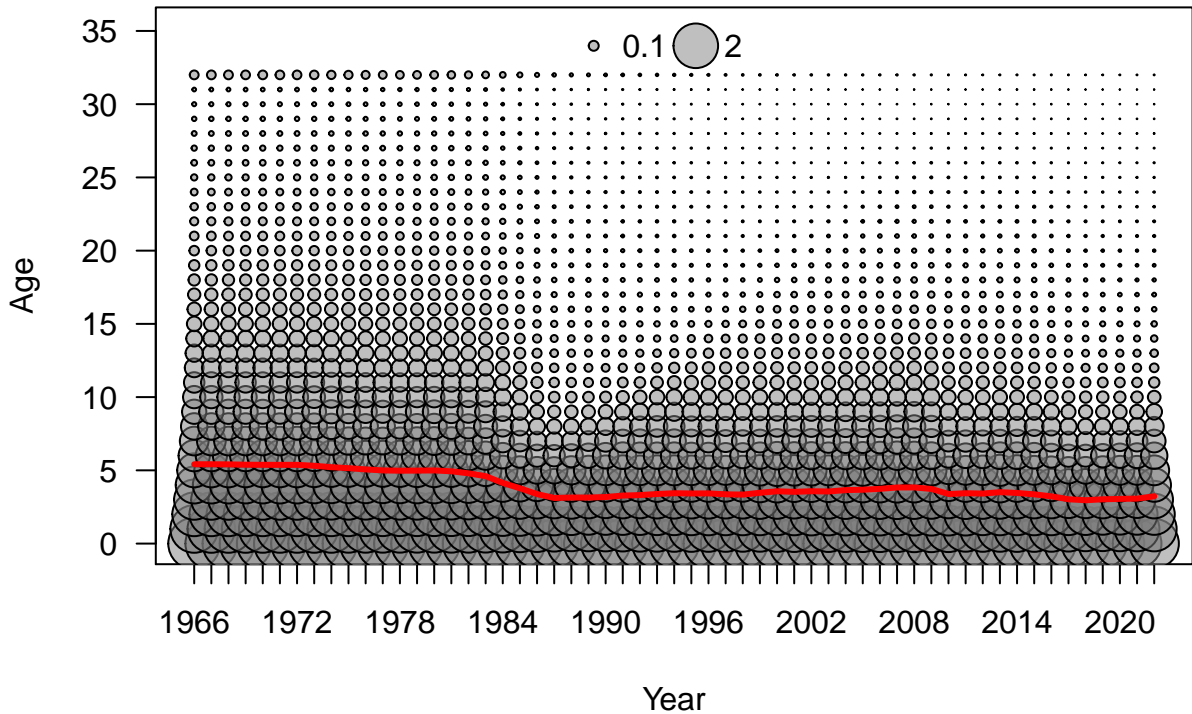
2021

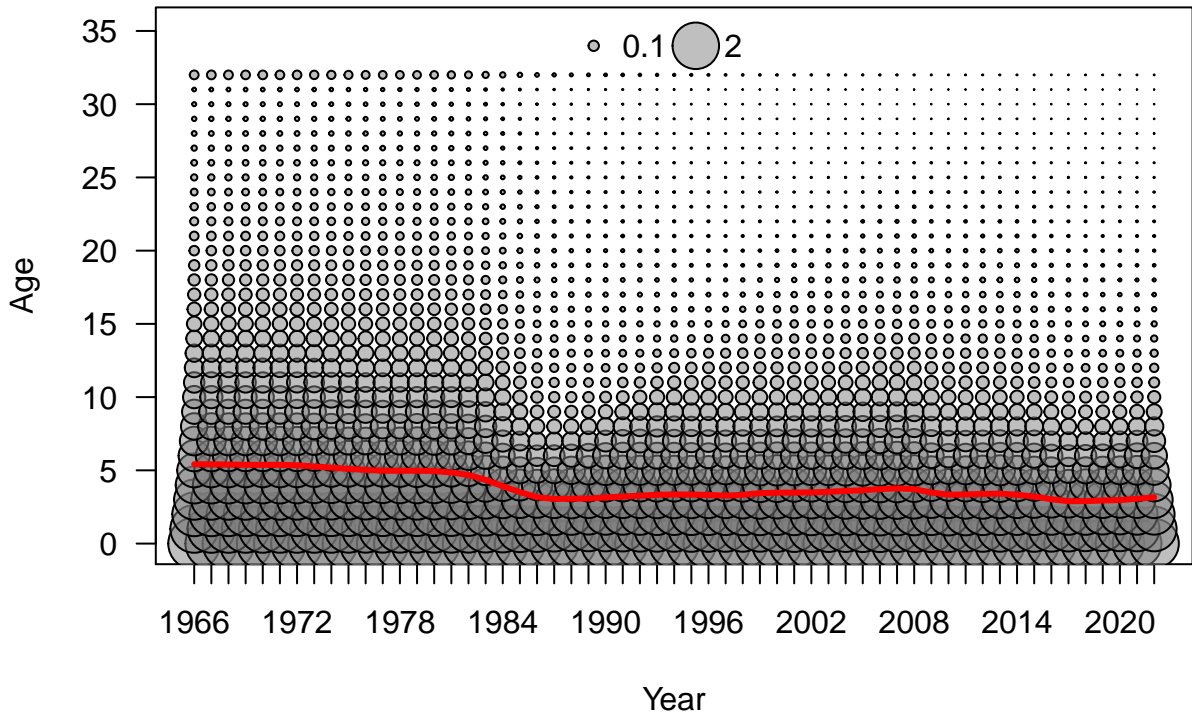
Year

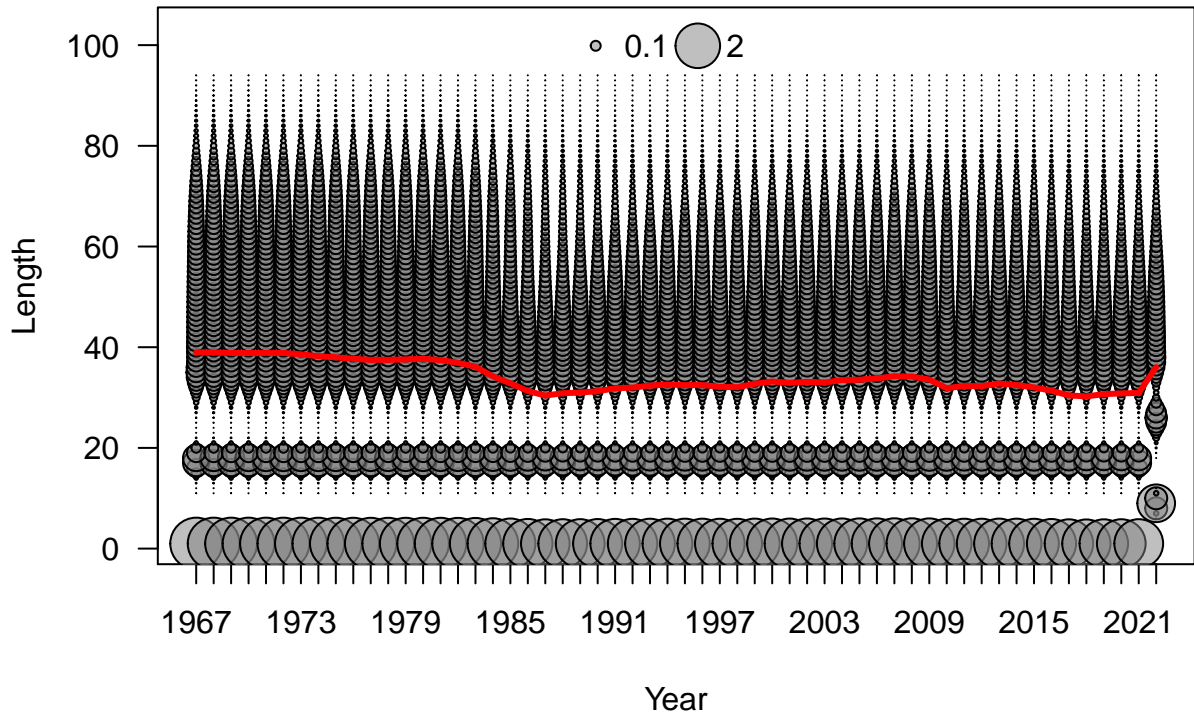


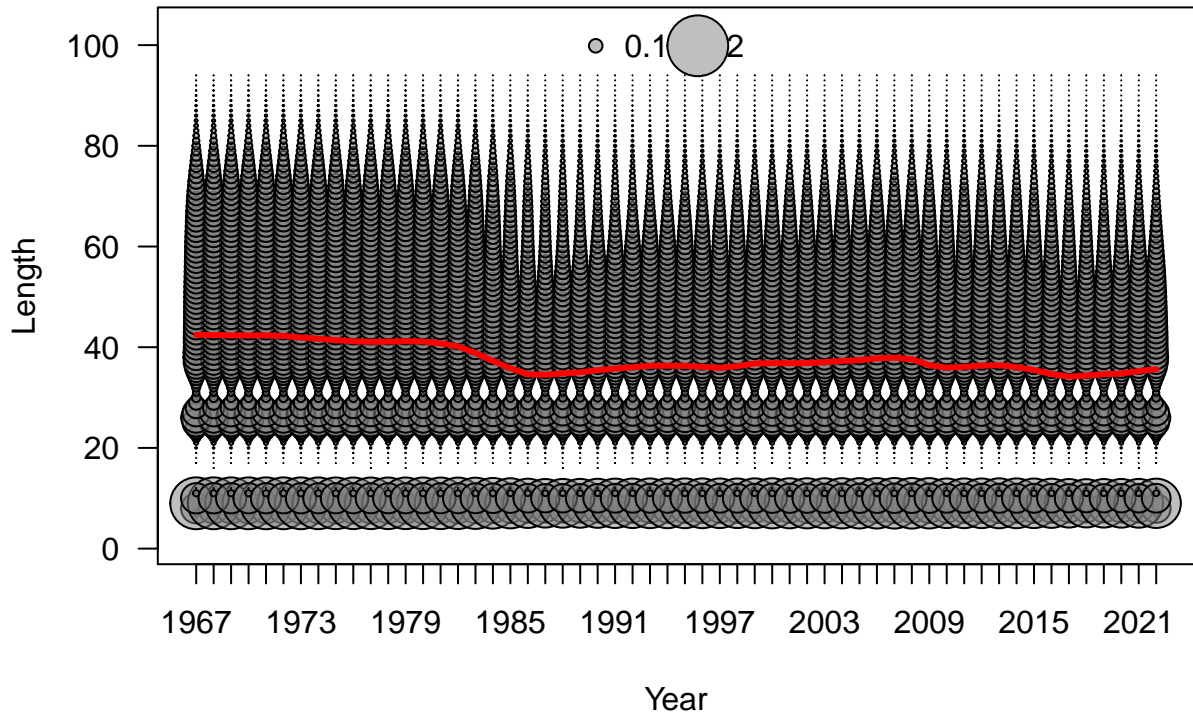


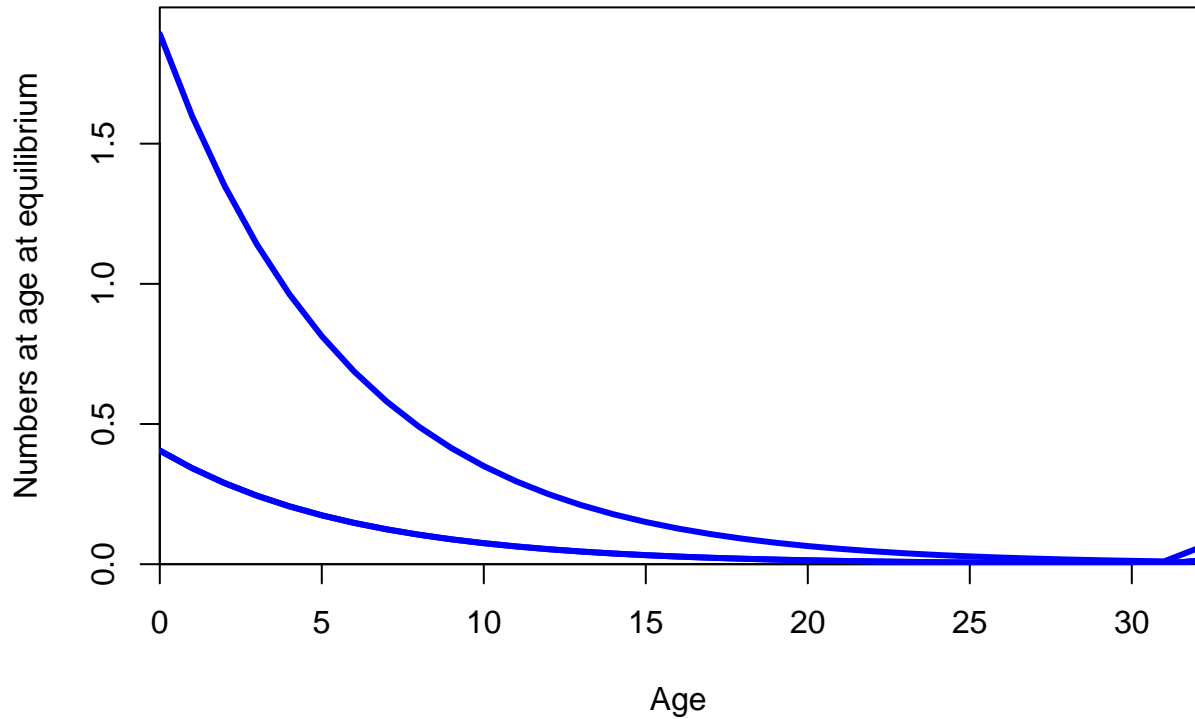


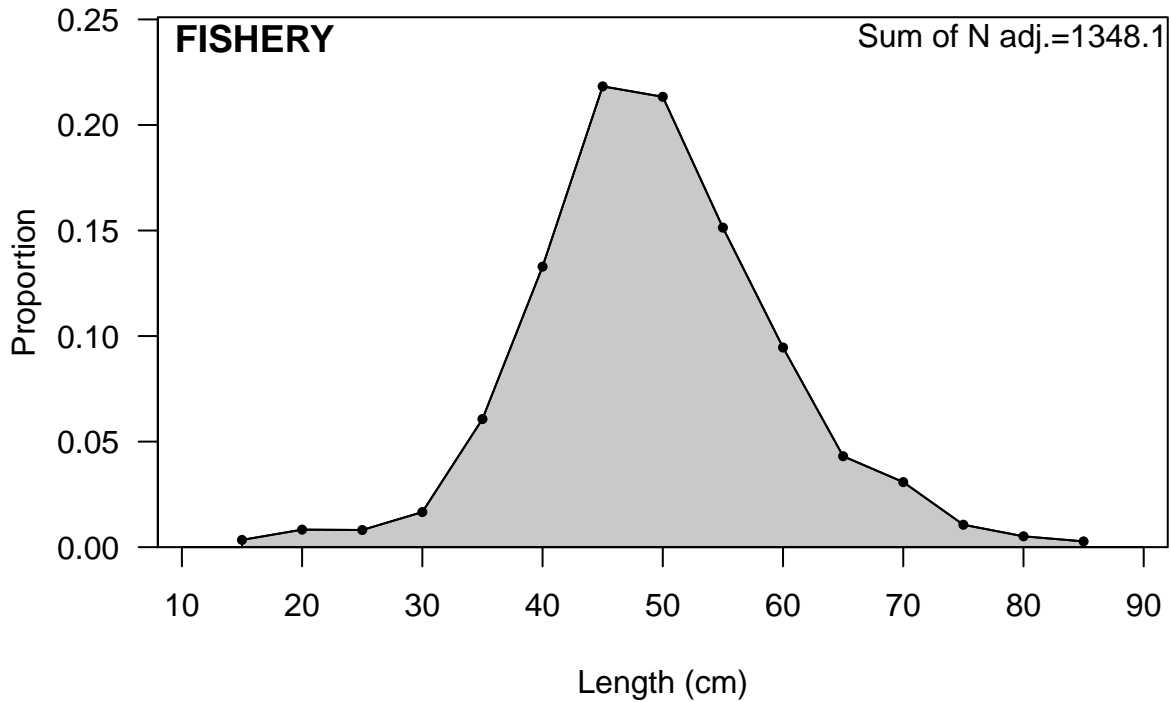


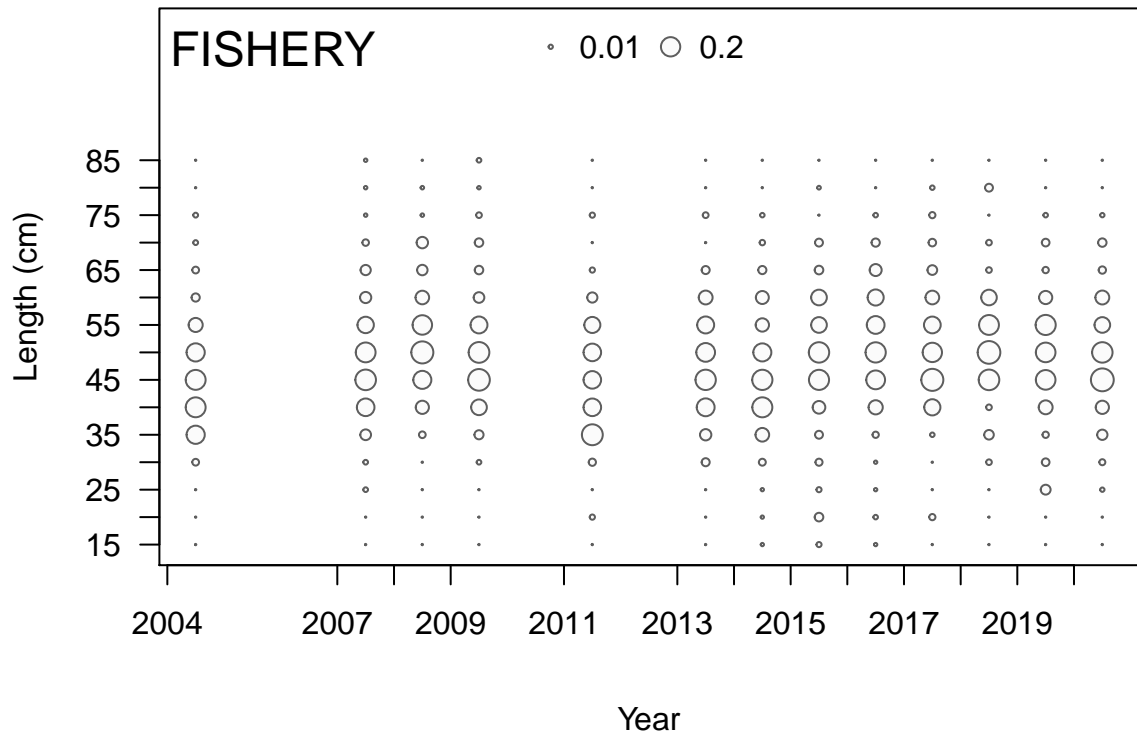






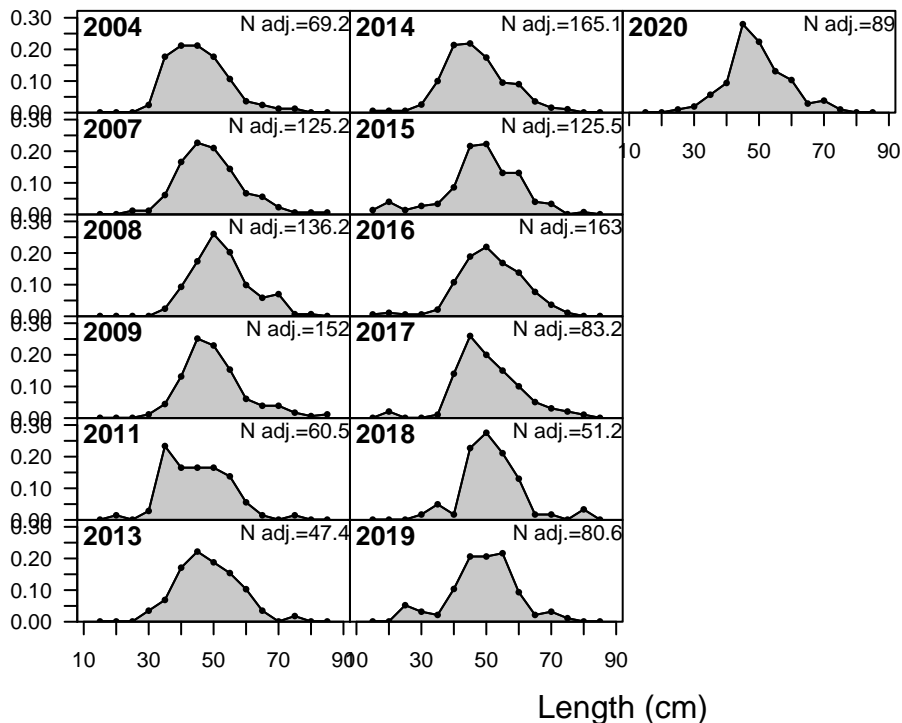


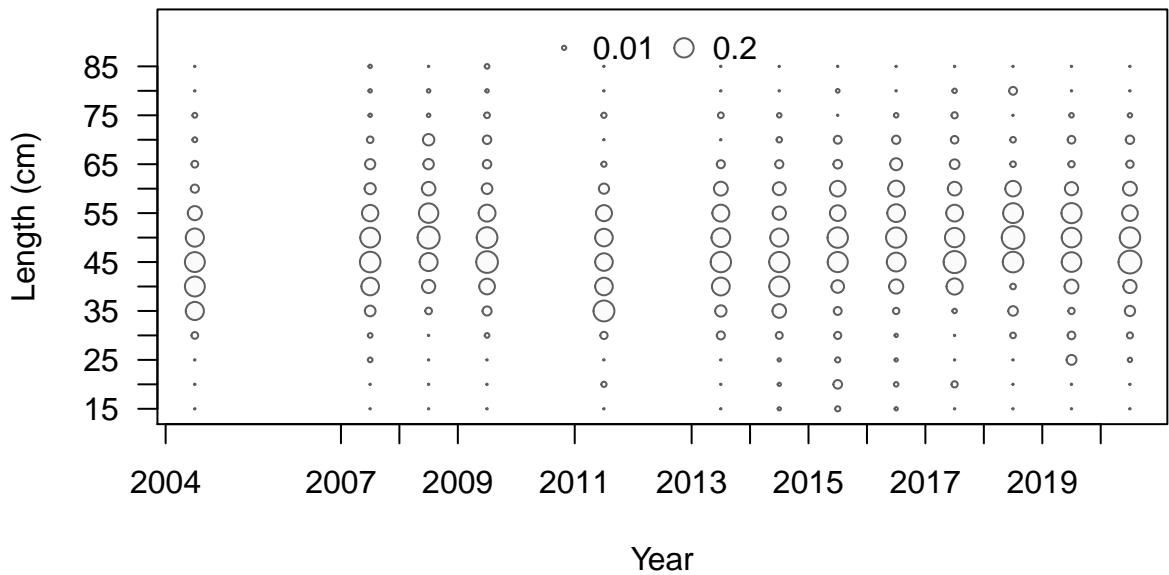




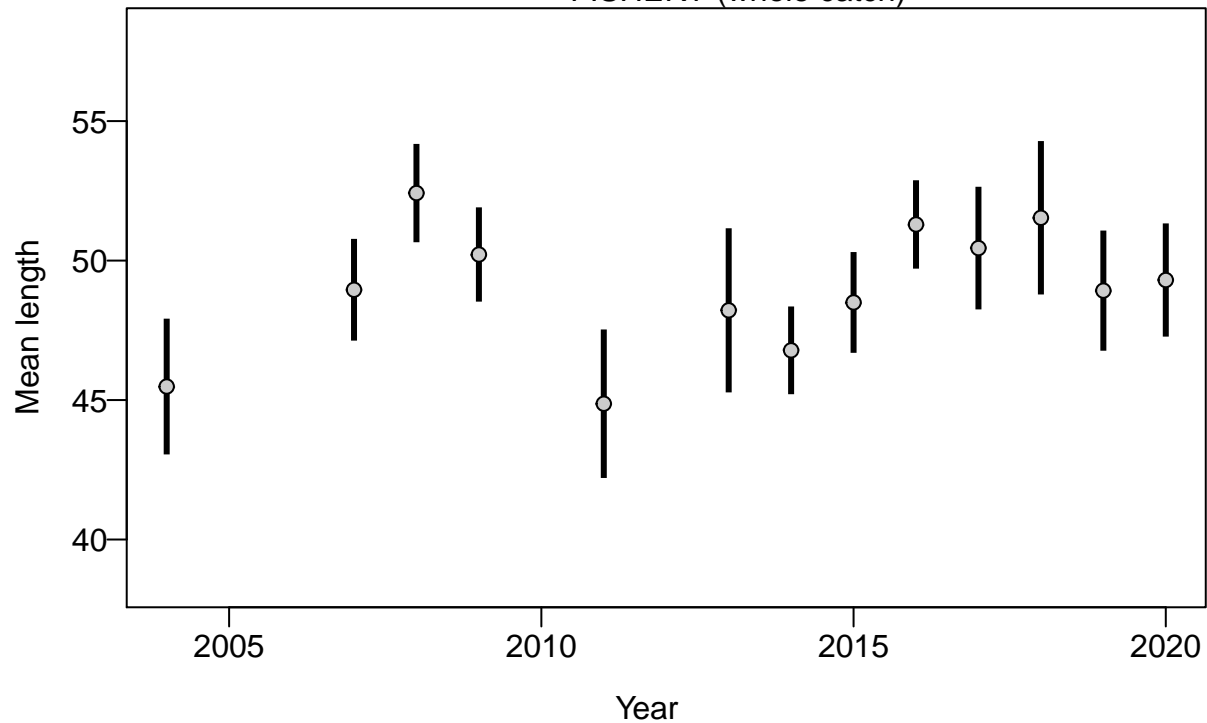


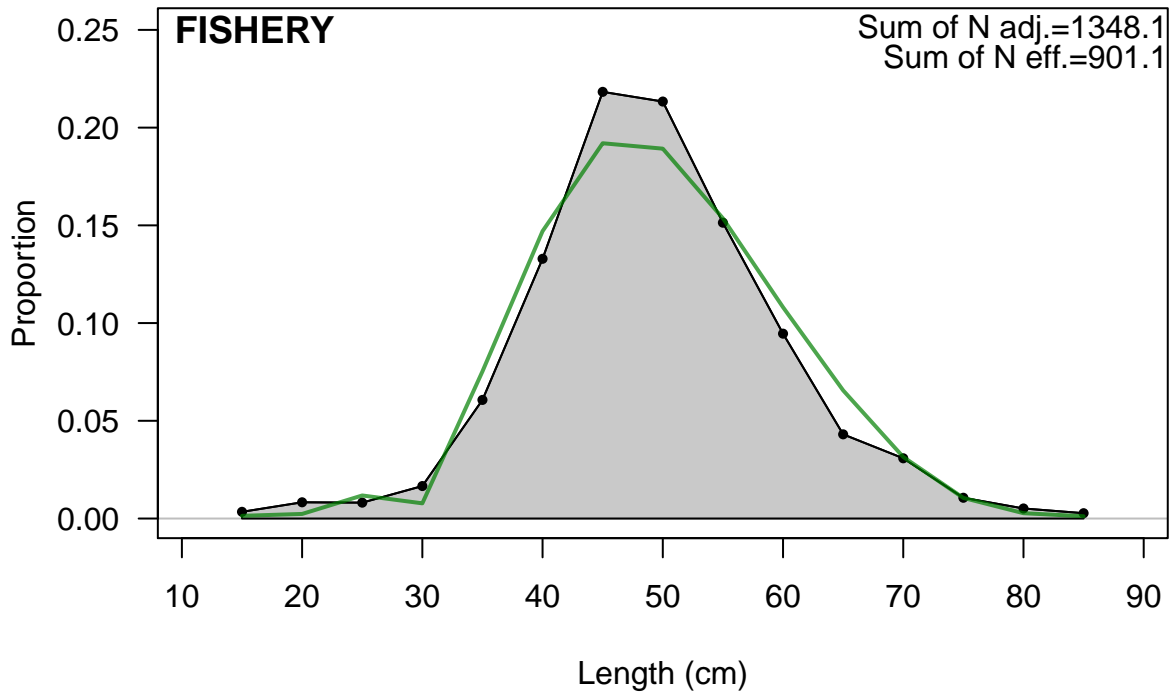
Proportion

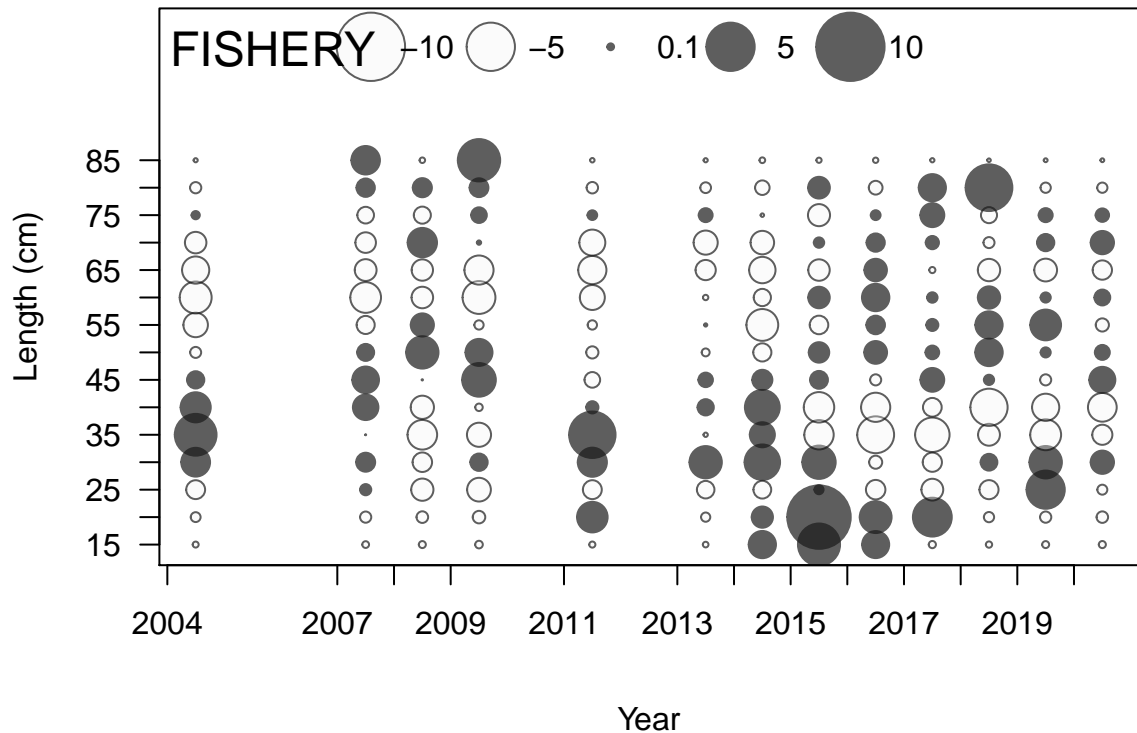




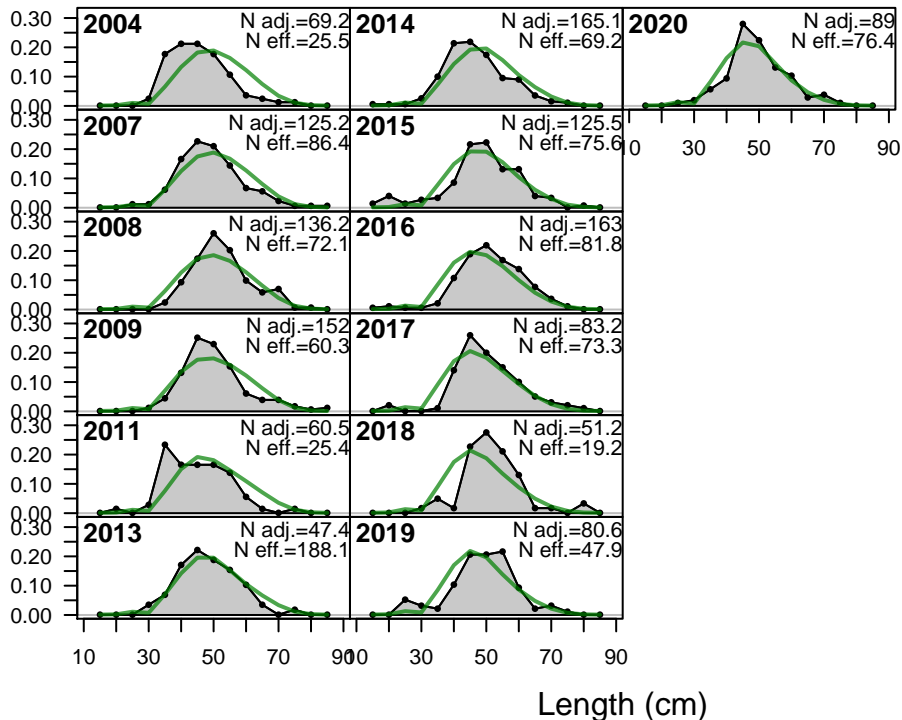
## FISHERY (whole catch)

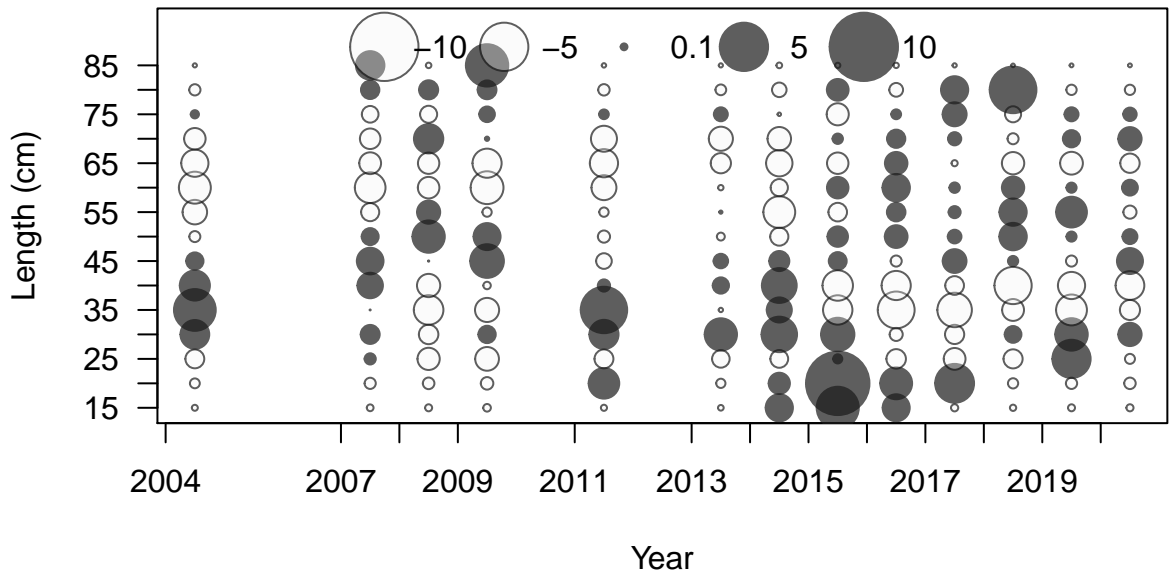




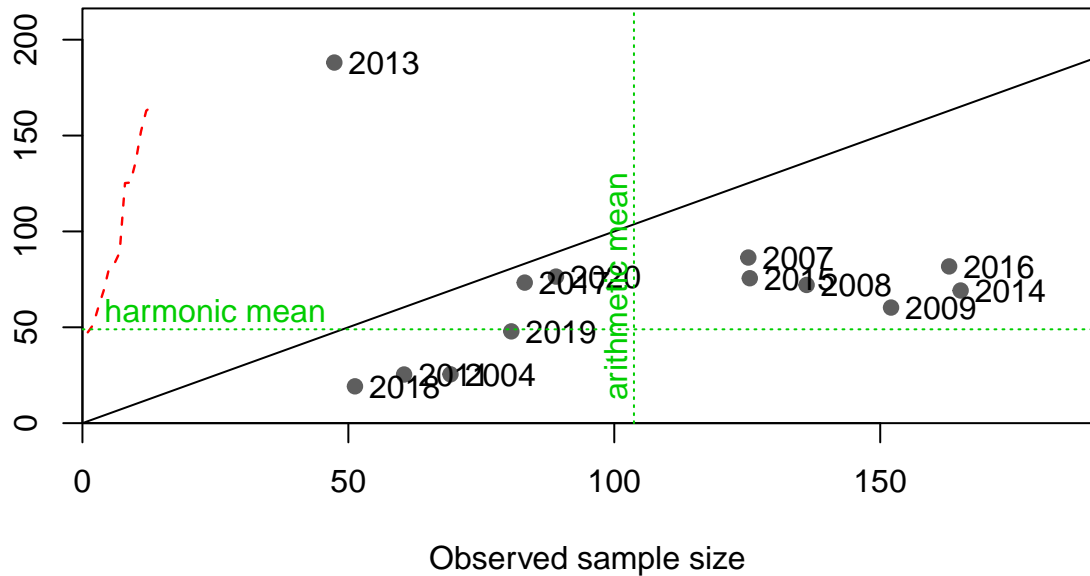


Proportion



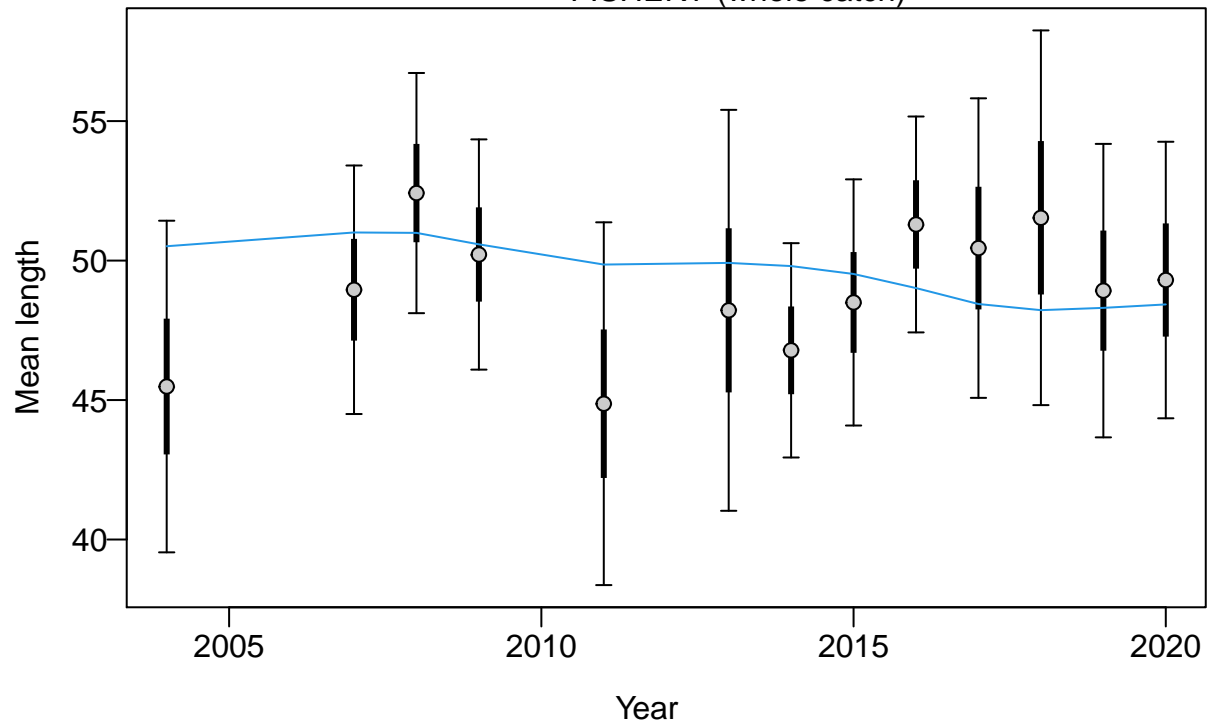


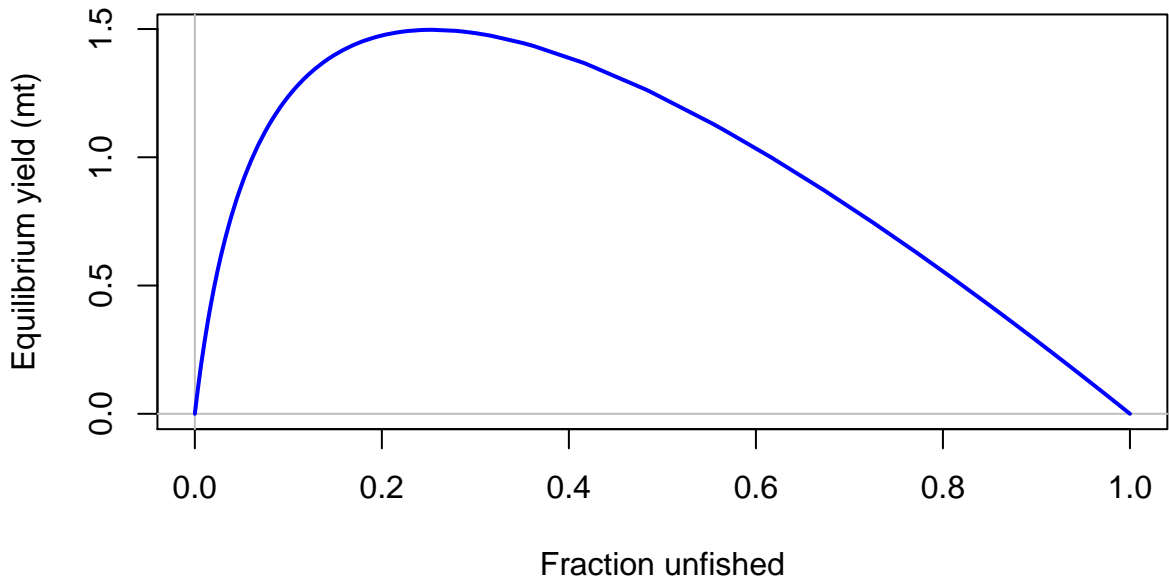
Effective sample size

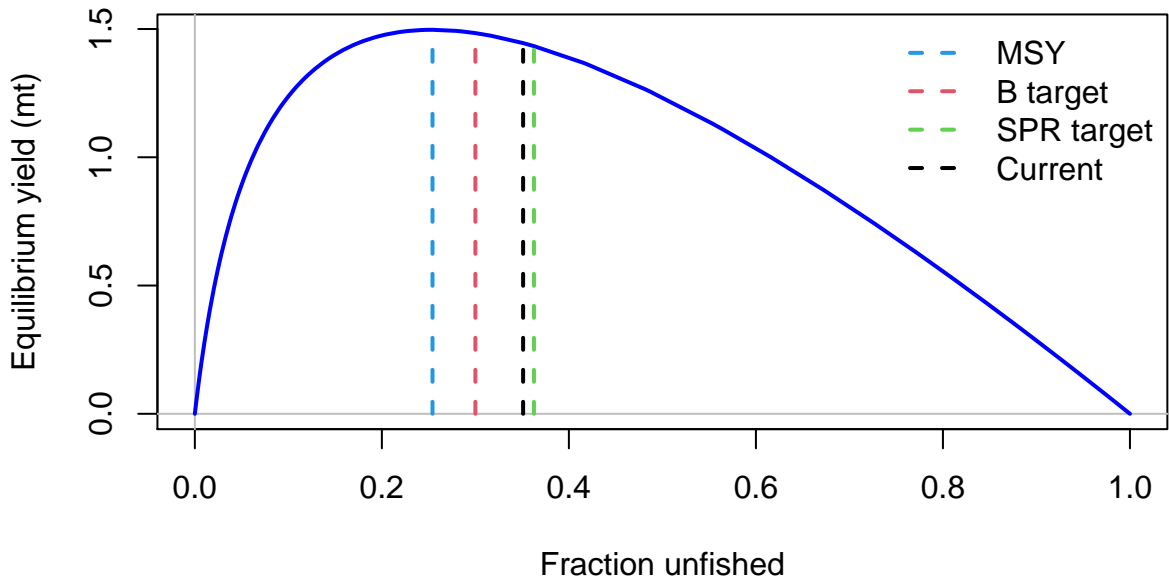


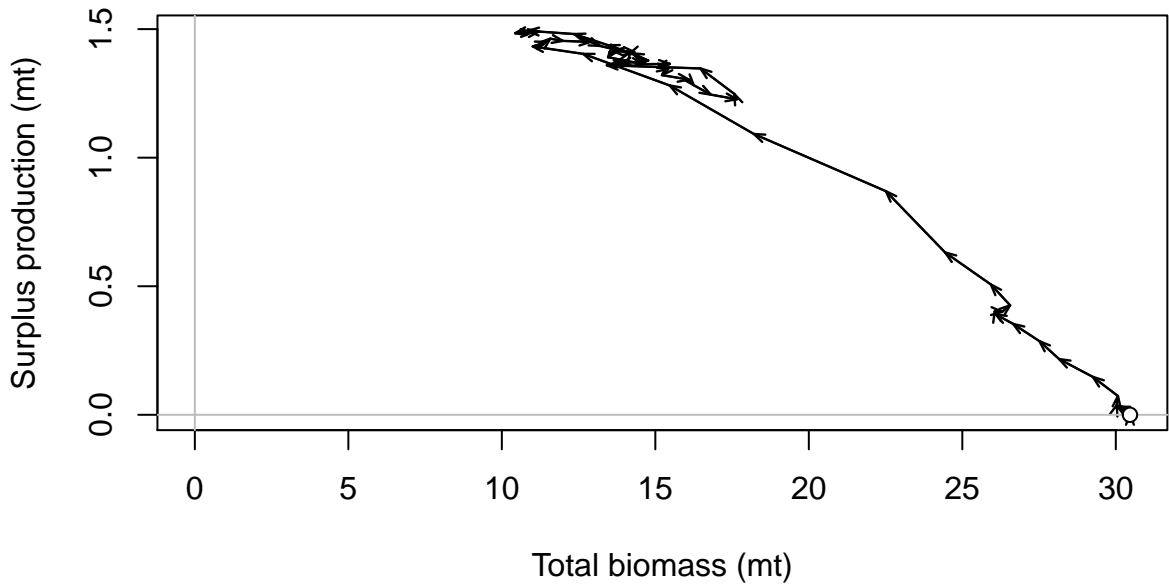


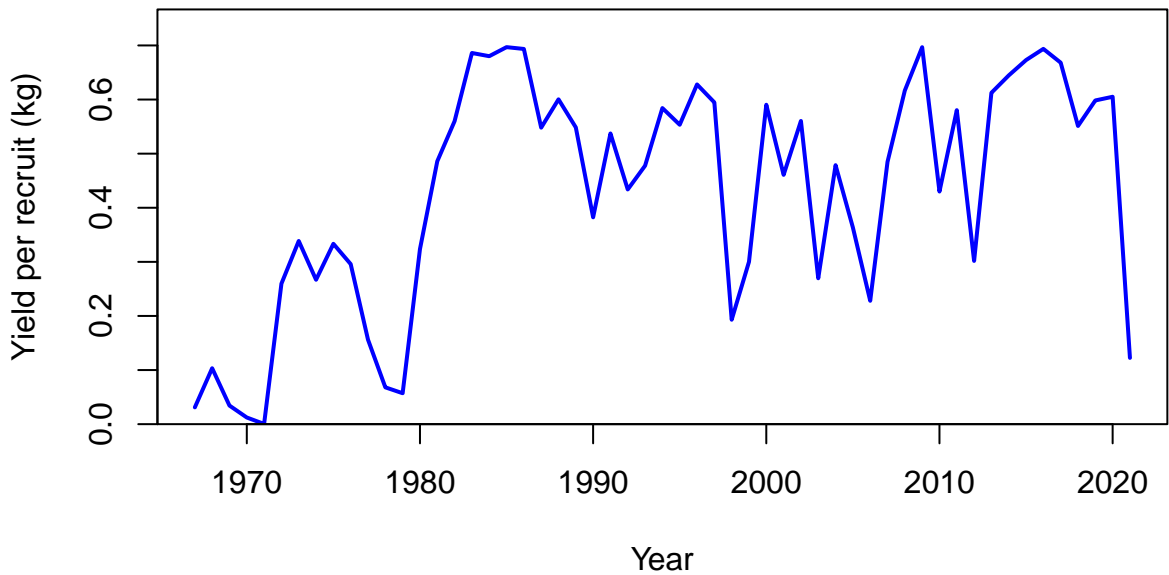
## FISHERY (whole catch)

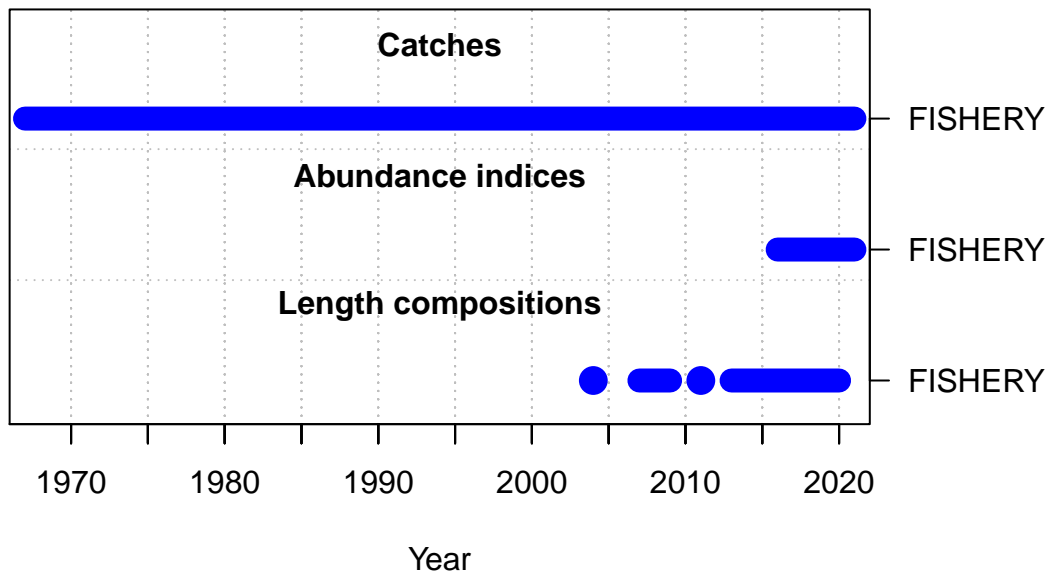


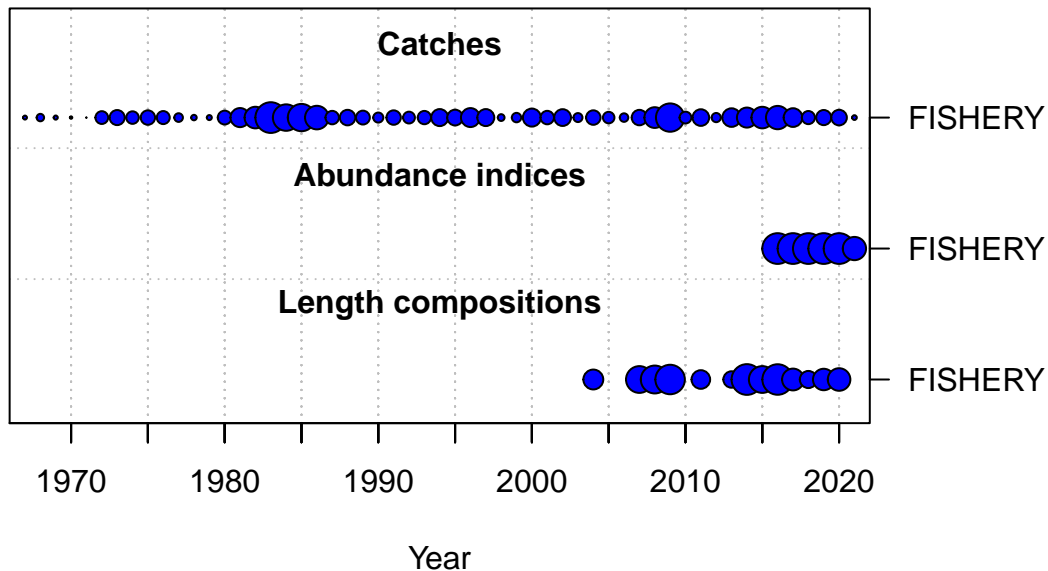






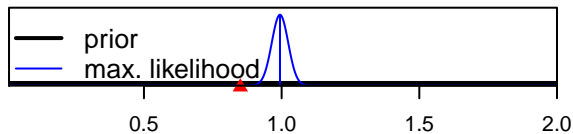




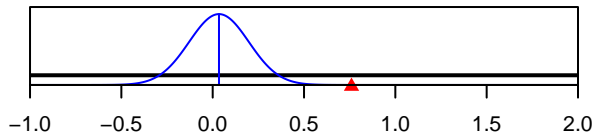


Density

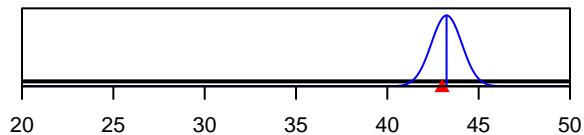
SR\_LN(R0)



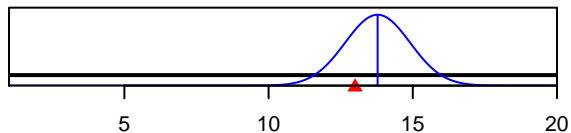
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value