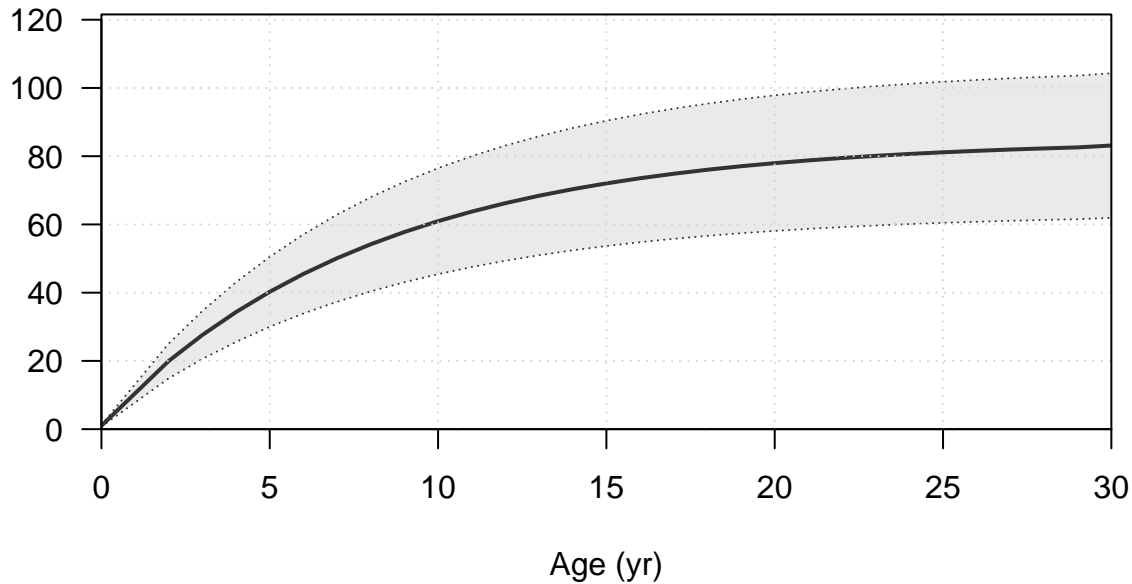
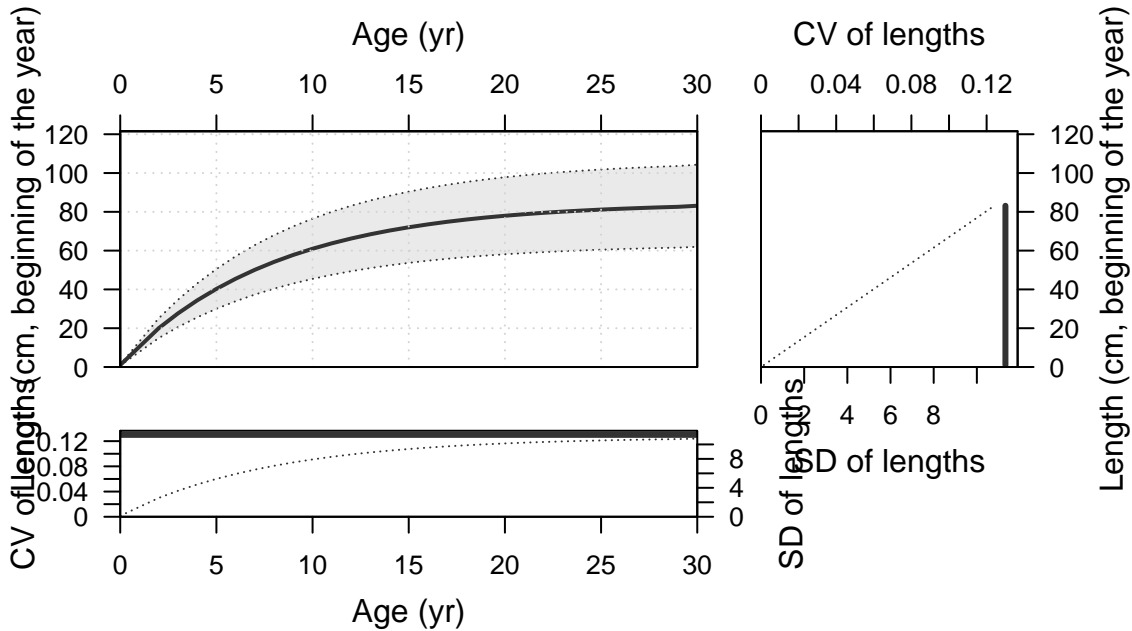
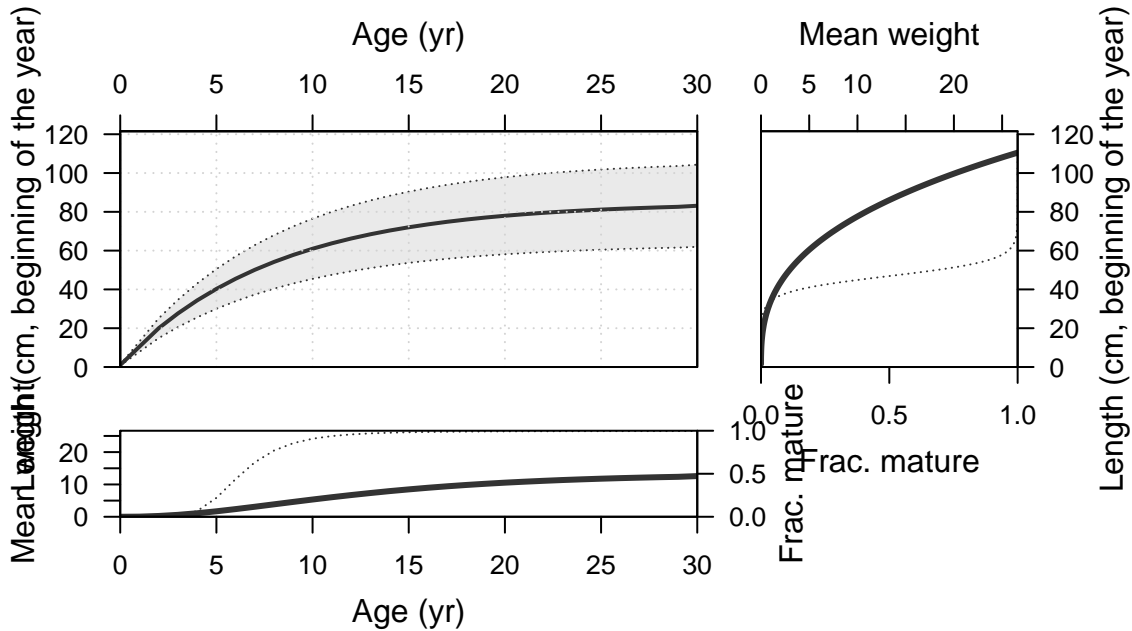


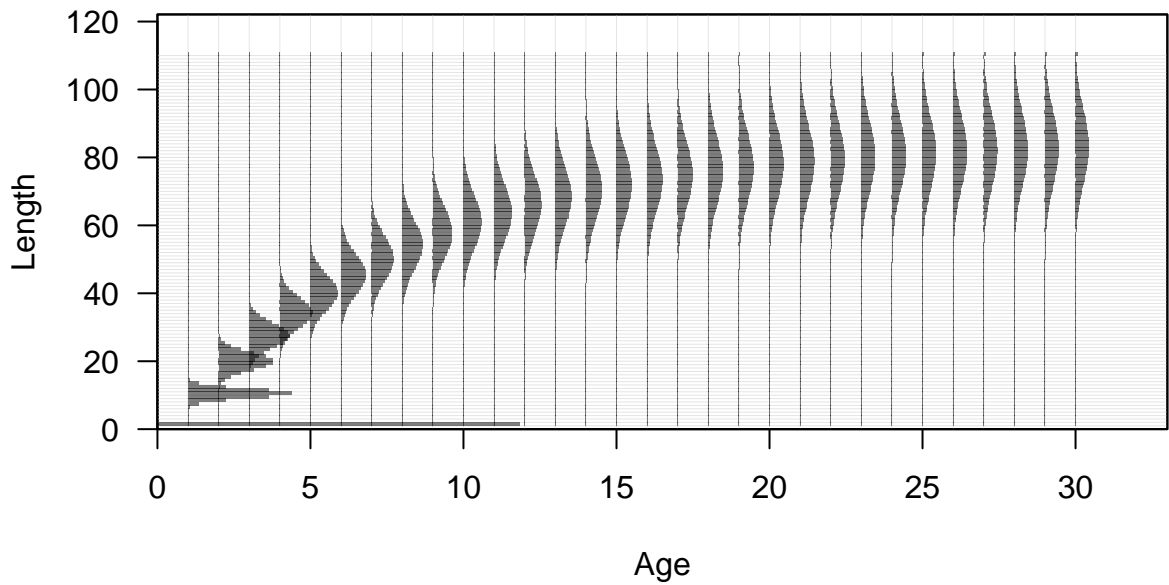
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Fri Jun 17 13:50:10 2022  
Data\_File: data.ss  
Control\_File: control.ss

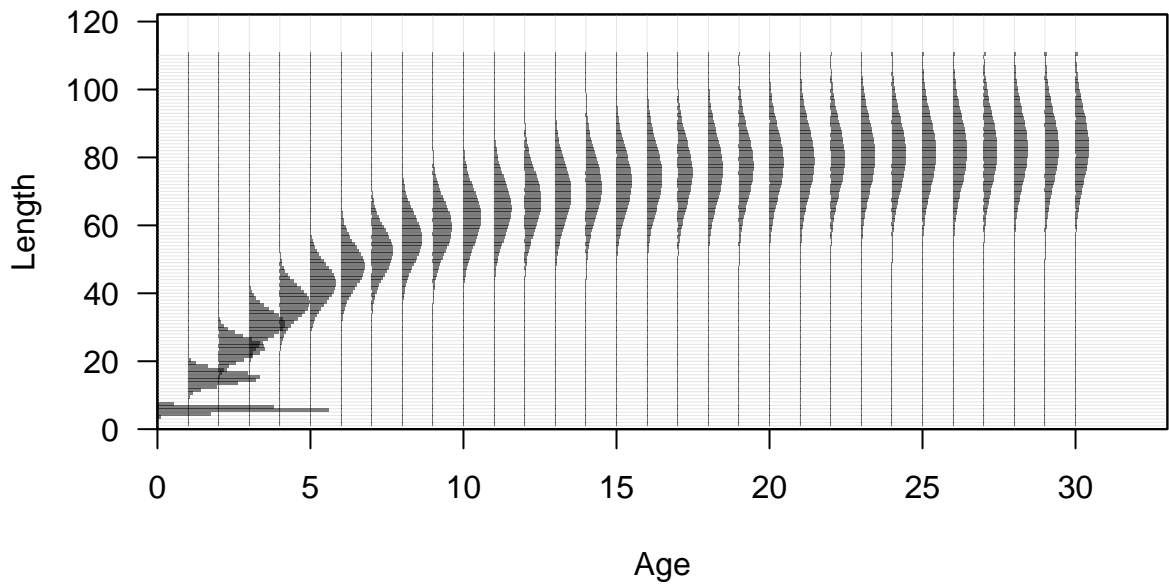
Length (cm, beginning of the year)

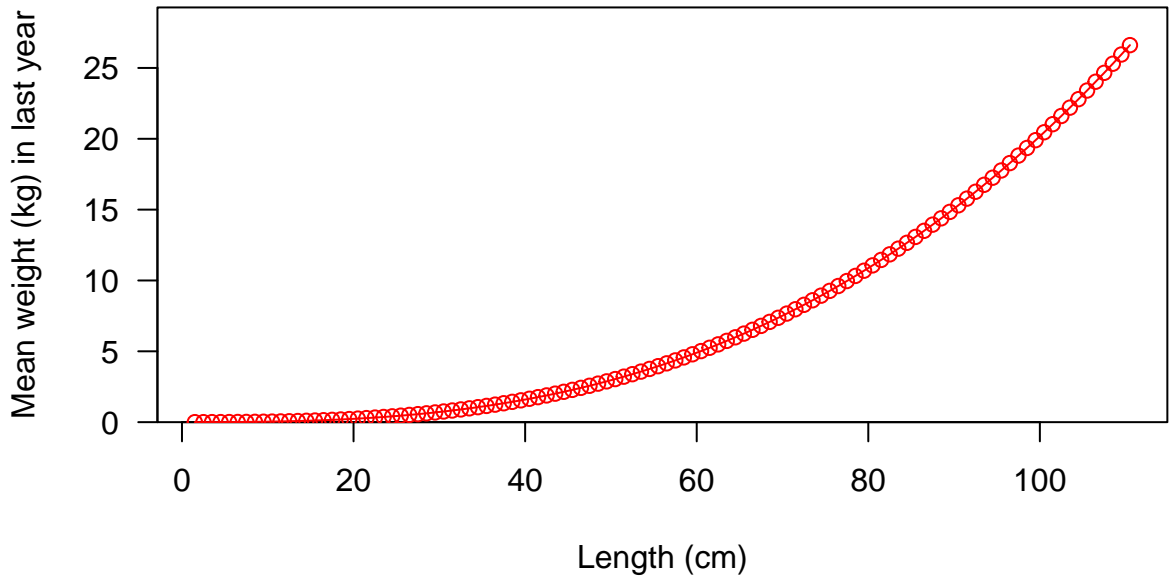


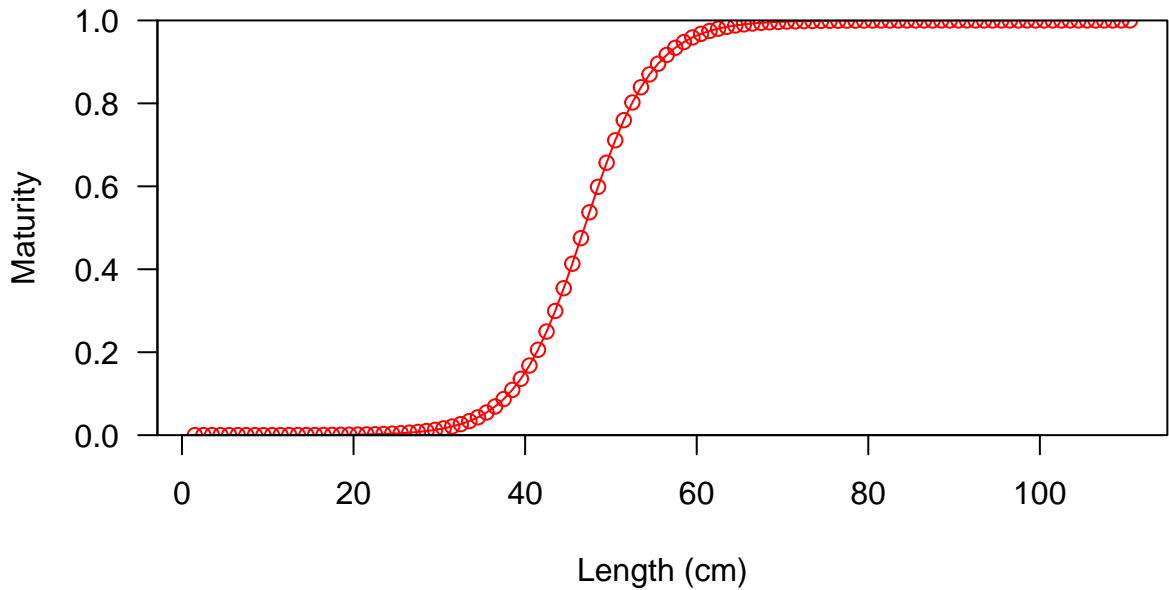




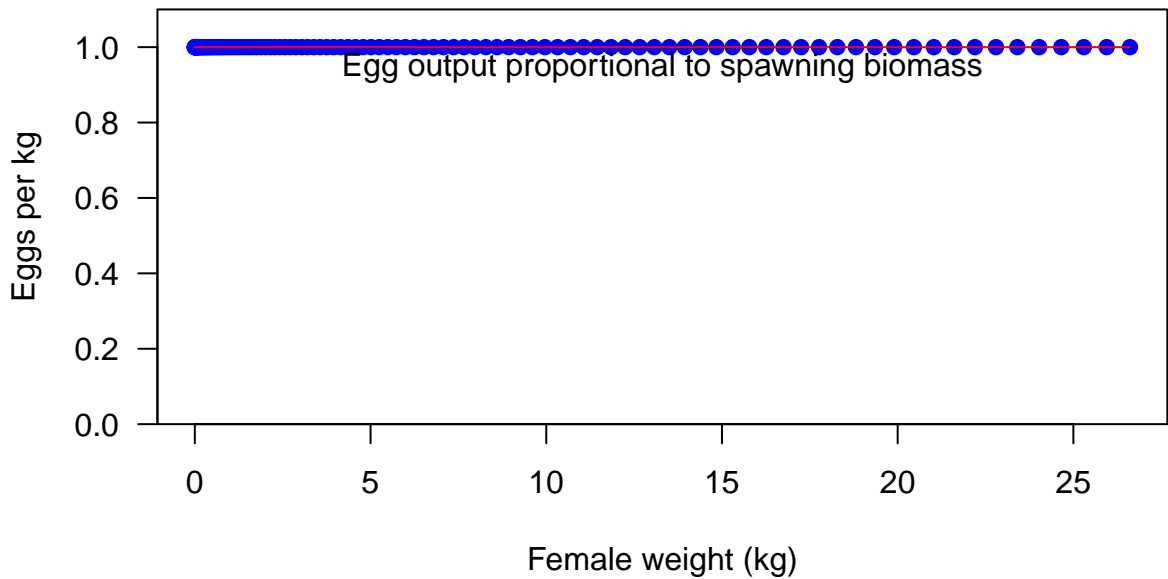


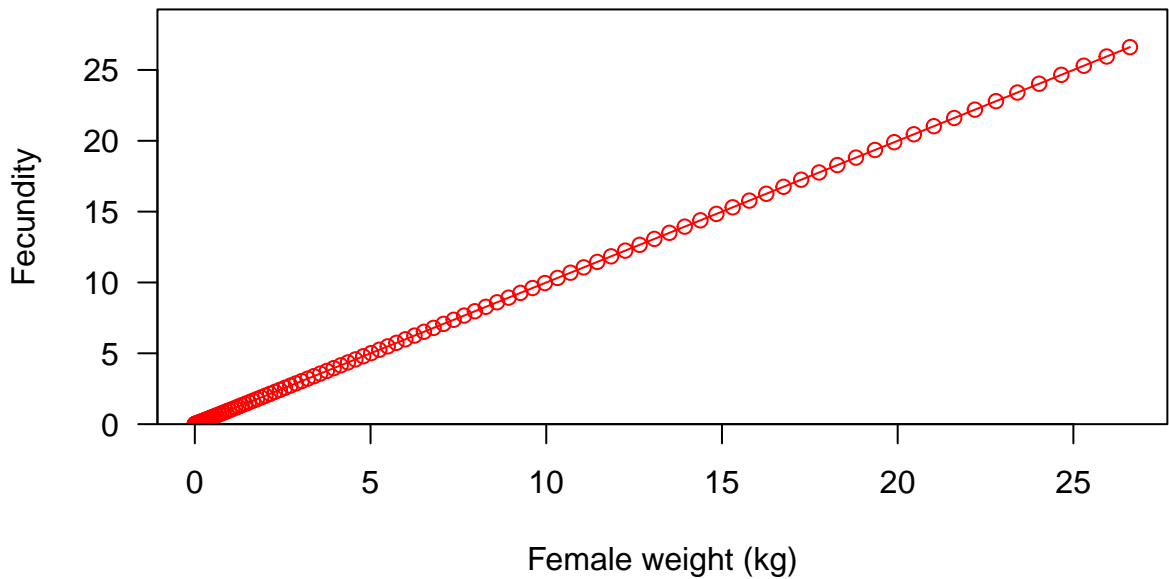




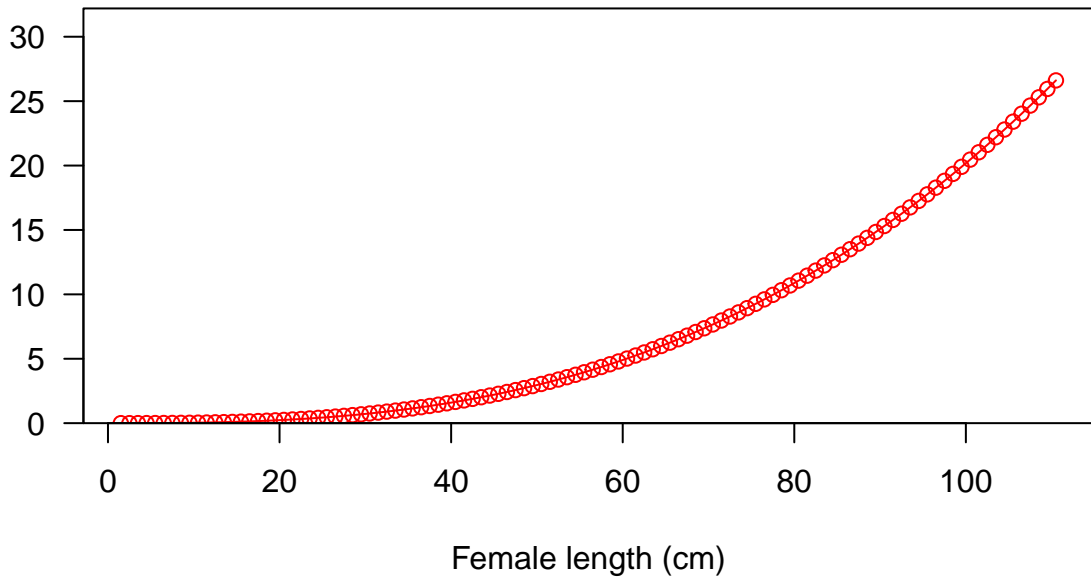








Fecundity



Spawning output

25  
20  
15  
10  
5  
0

0

20

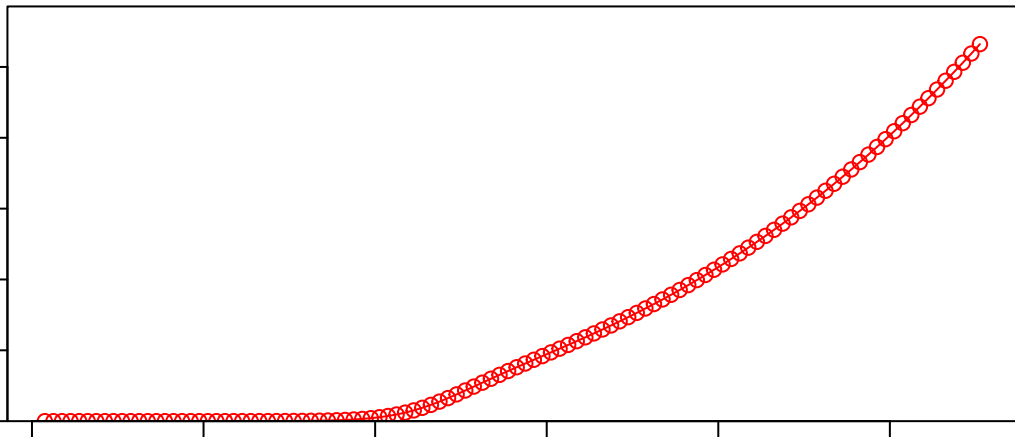
40

60

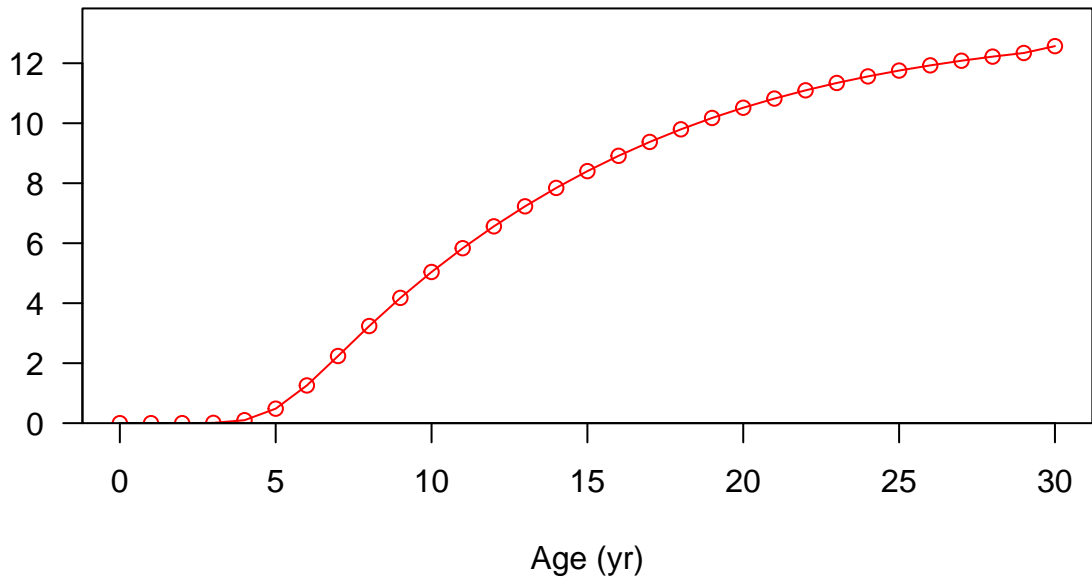
80

100

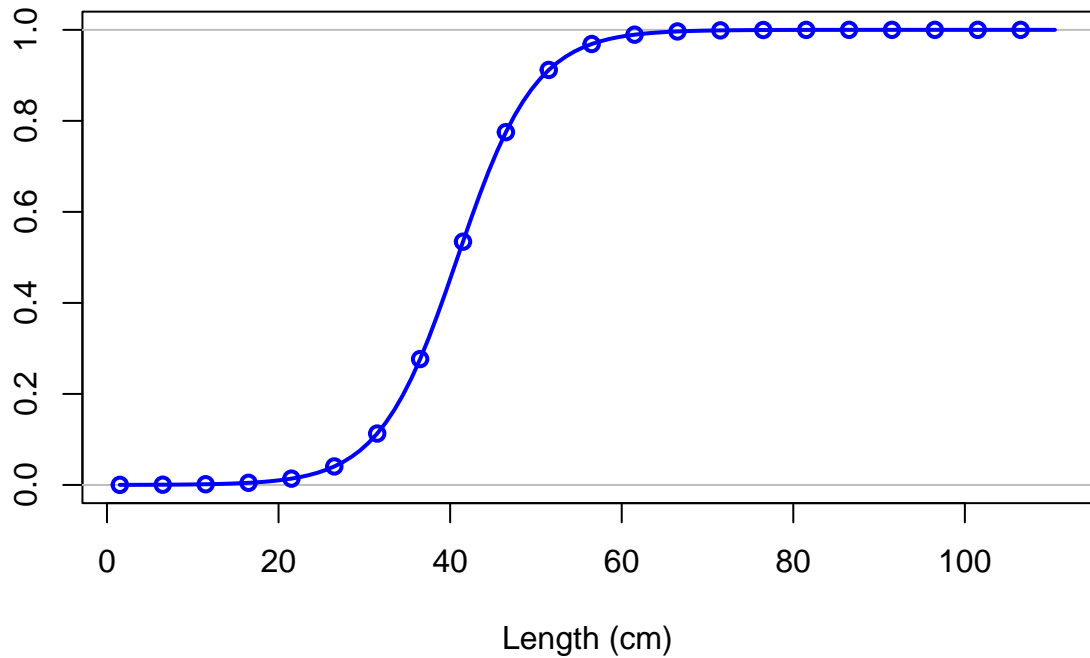
Length (cm)



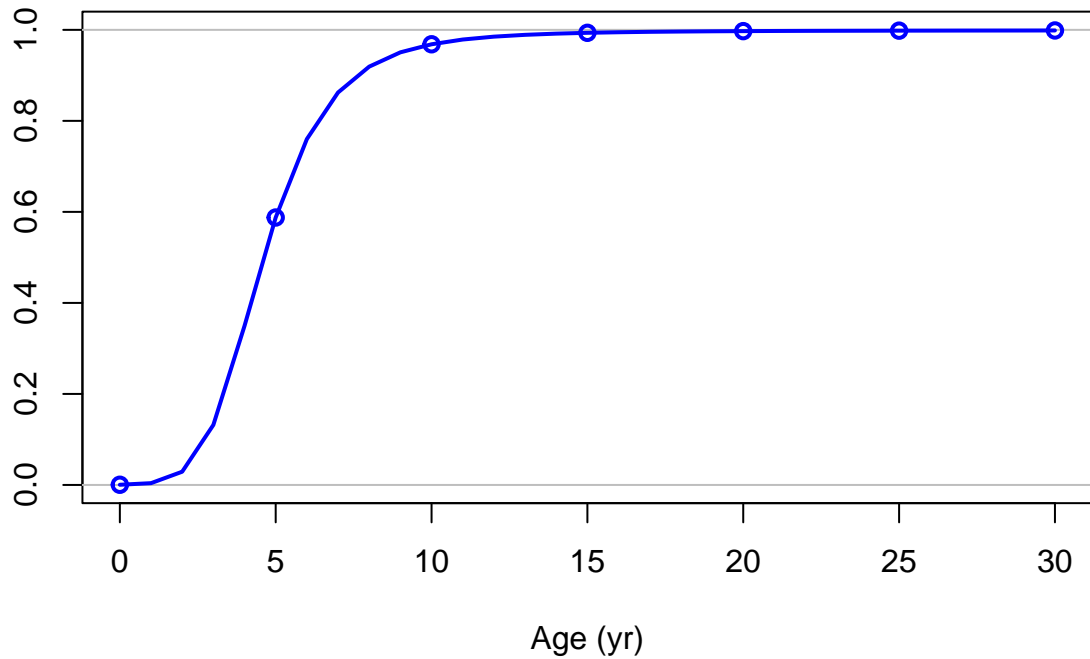
Spawning output



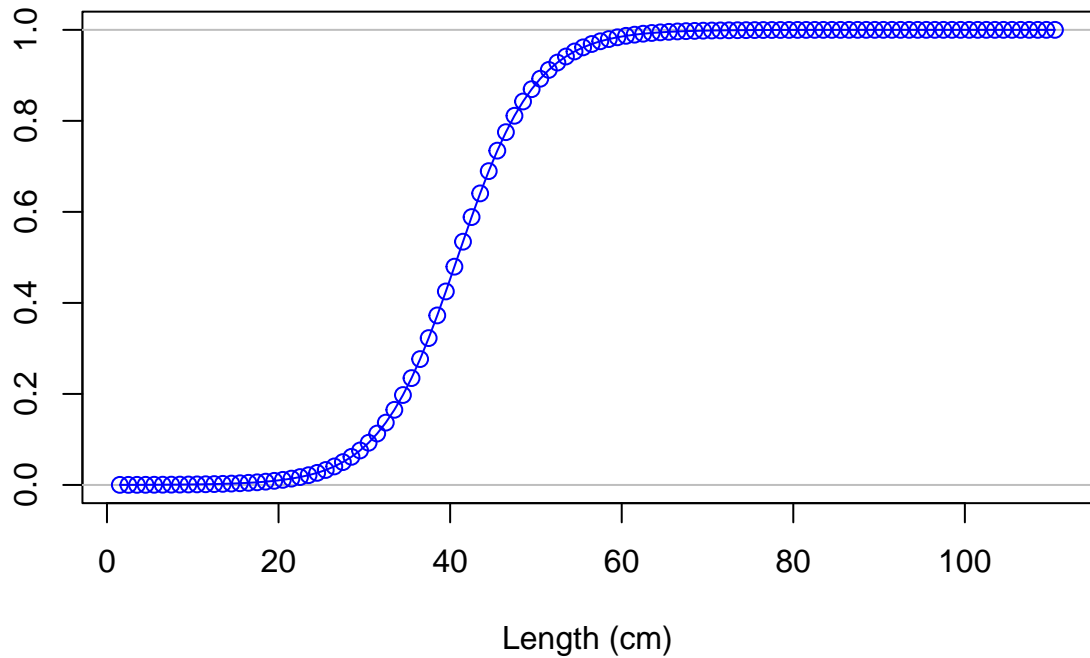
Selectivity



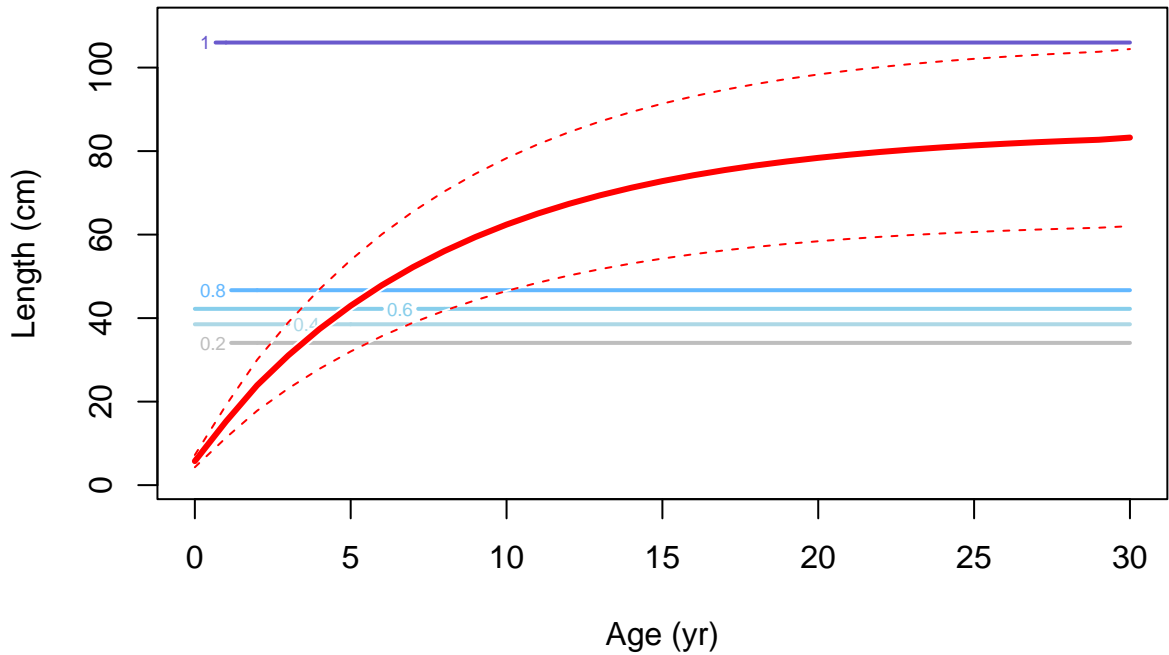
Selectivity

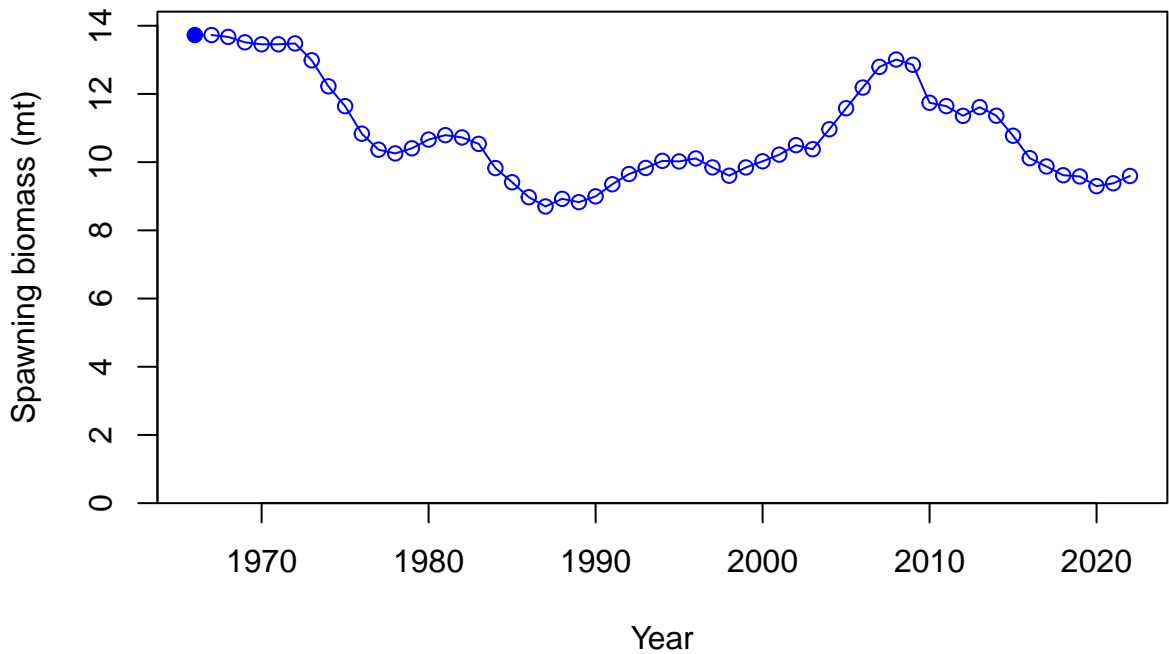


Selectivity

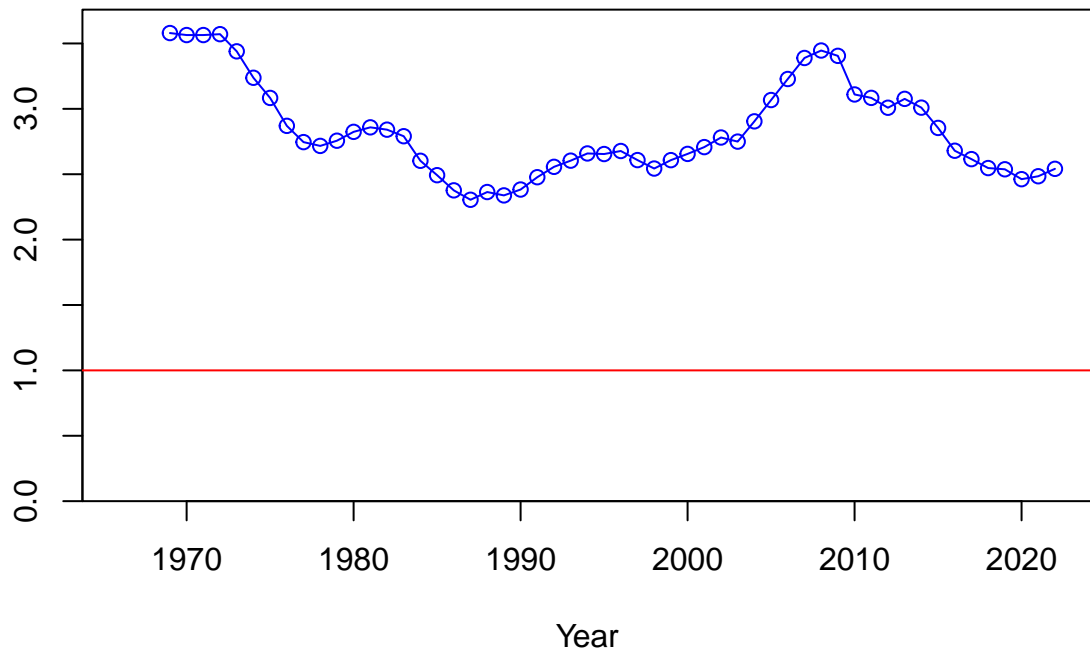


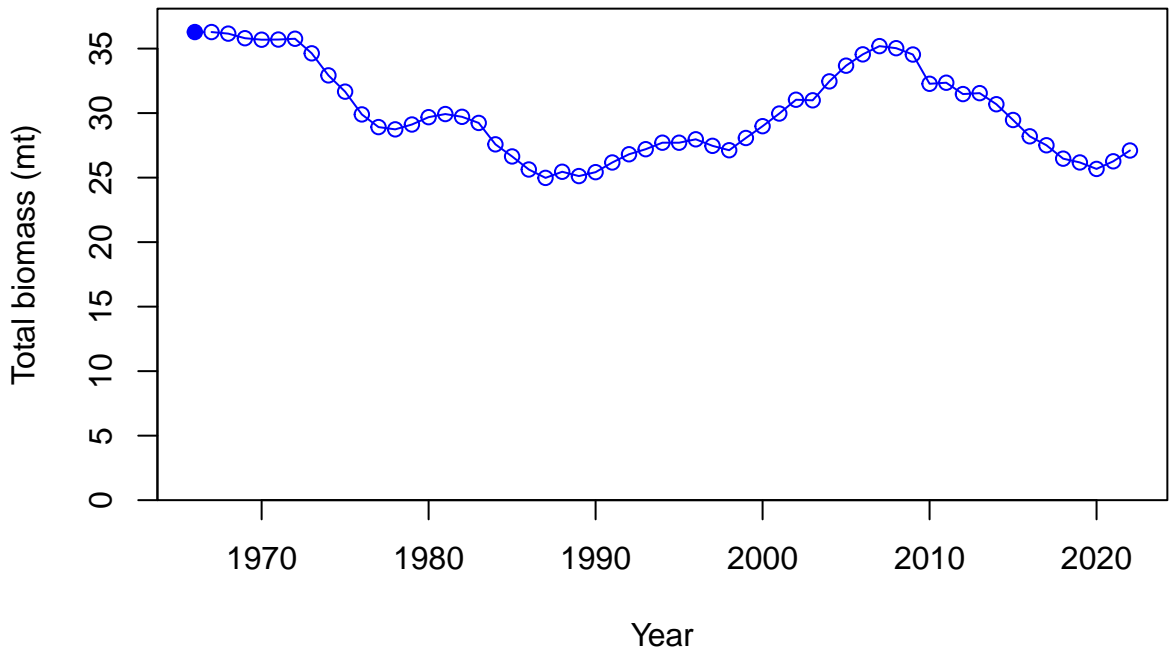


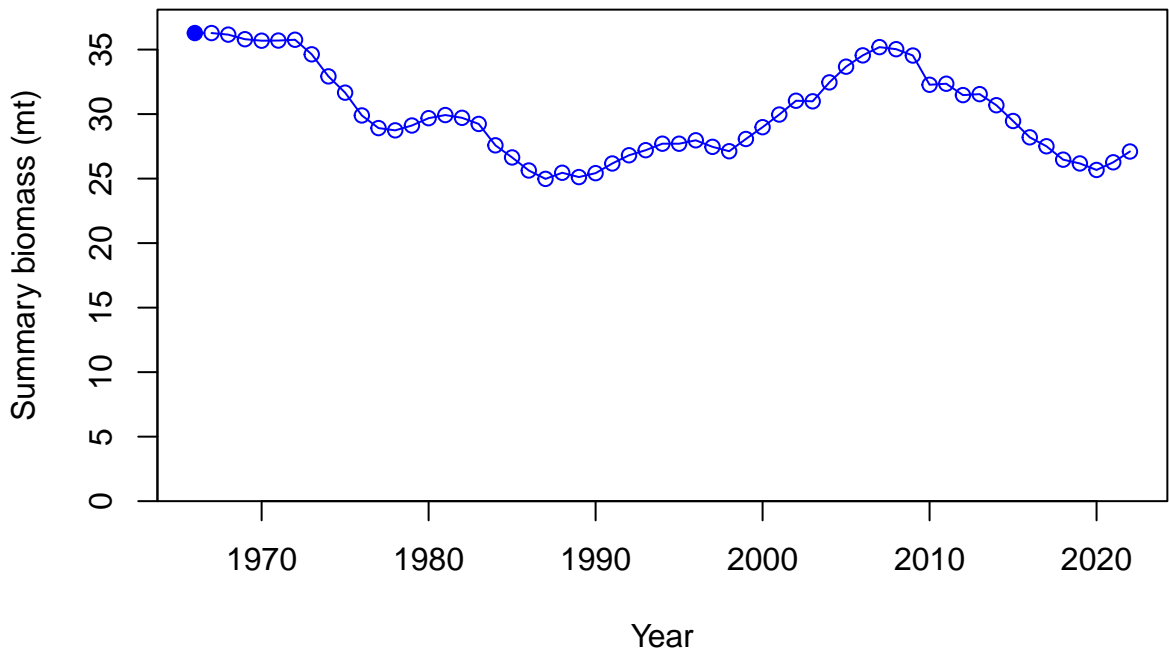




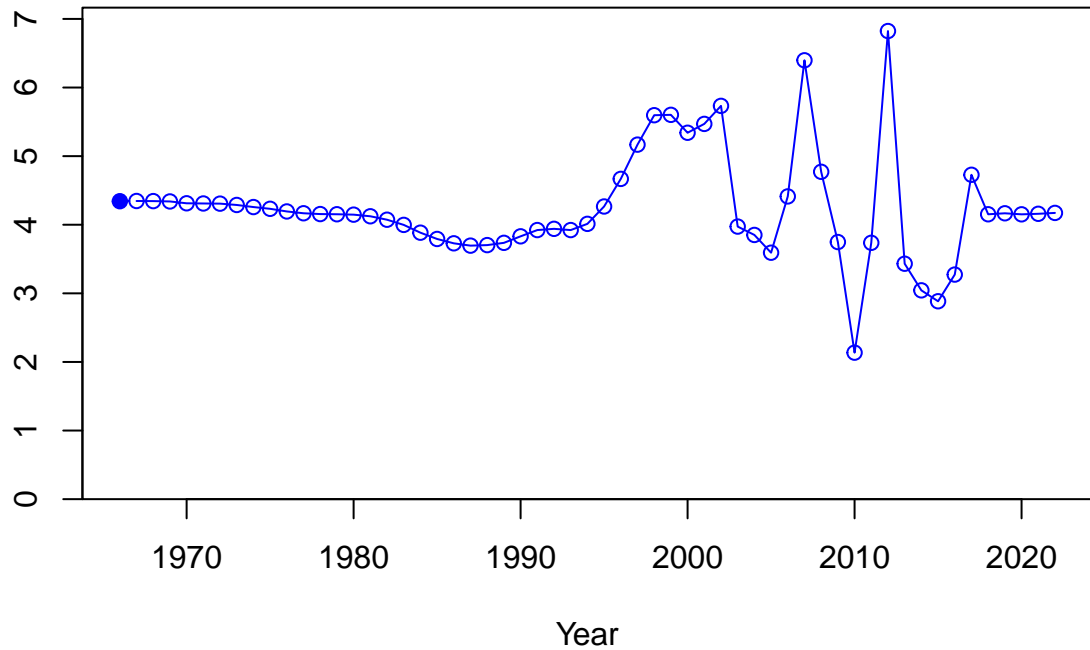
Relative spawning biomass:  $B/B_{MSY}$



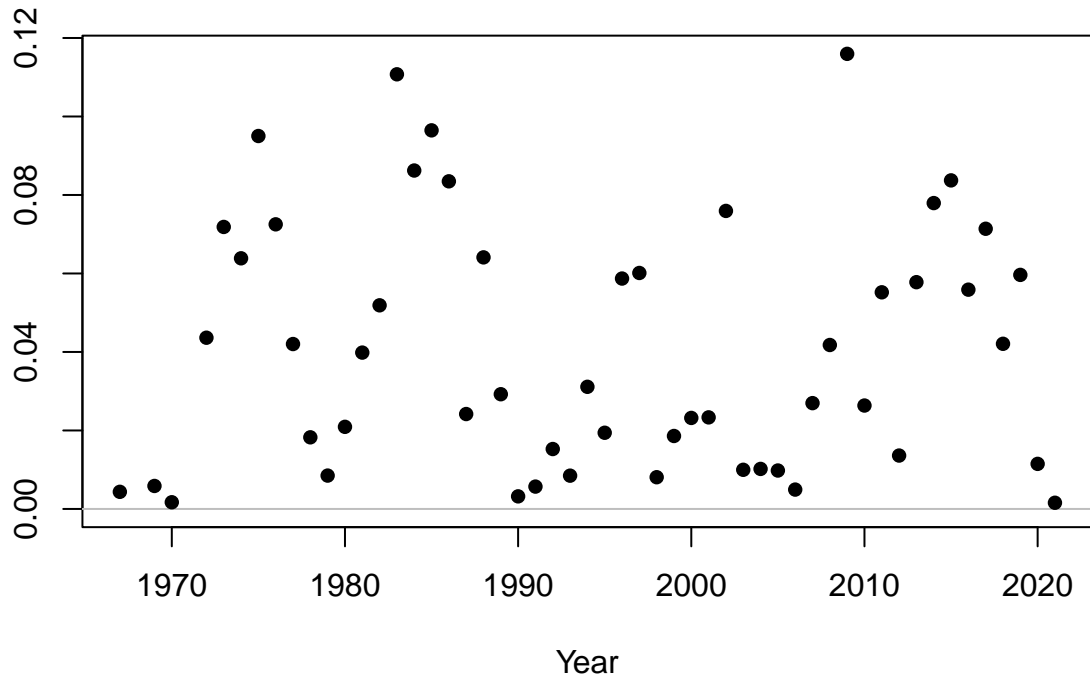


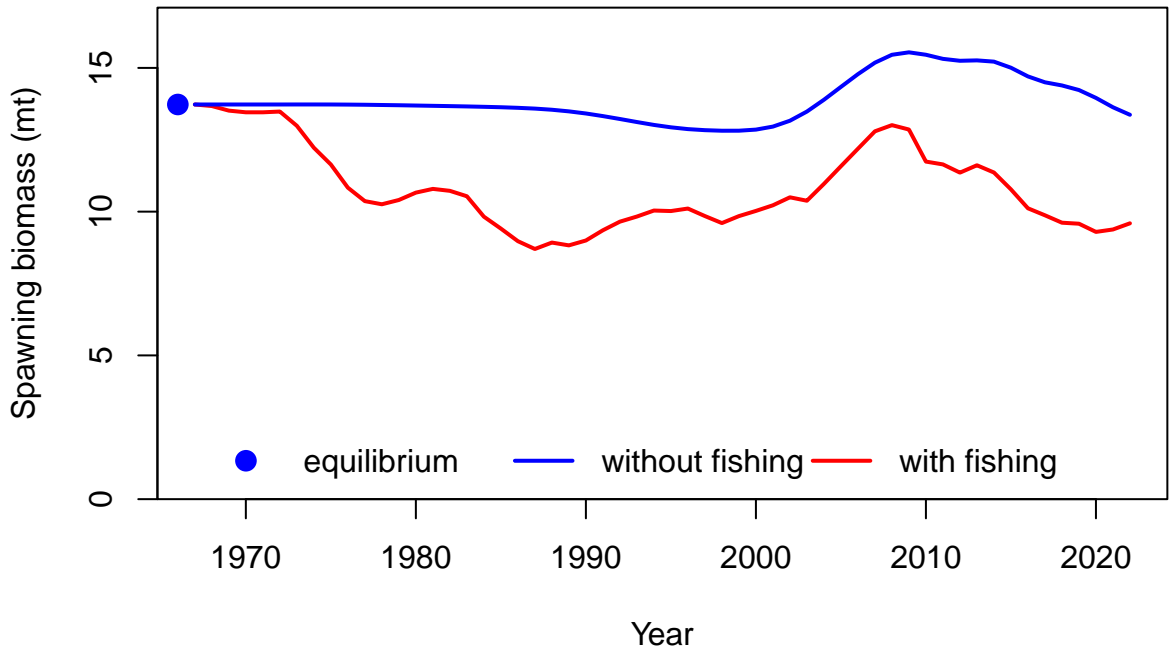


Age-0 recruits (1,000s)



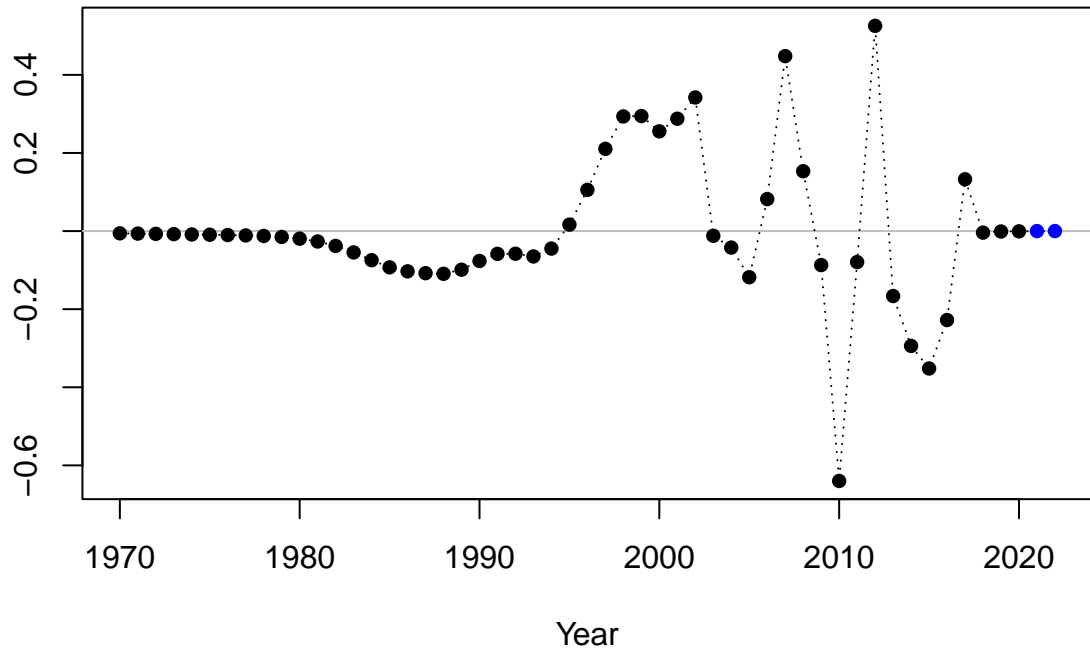
Summary Fishing Mortality

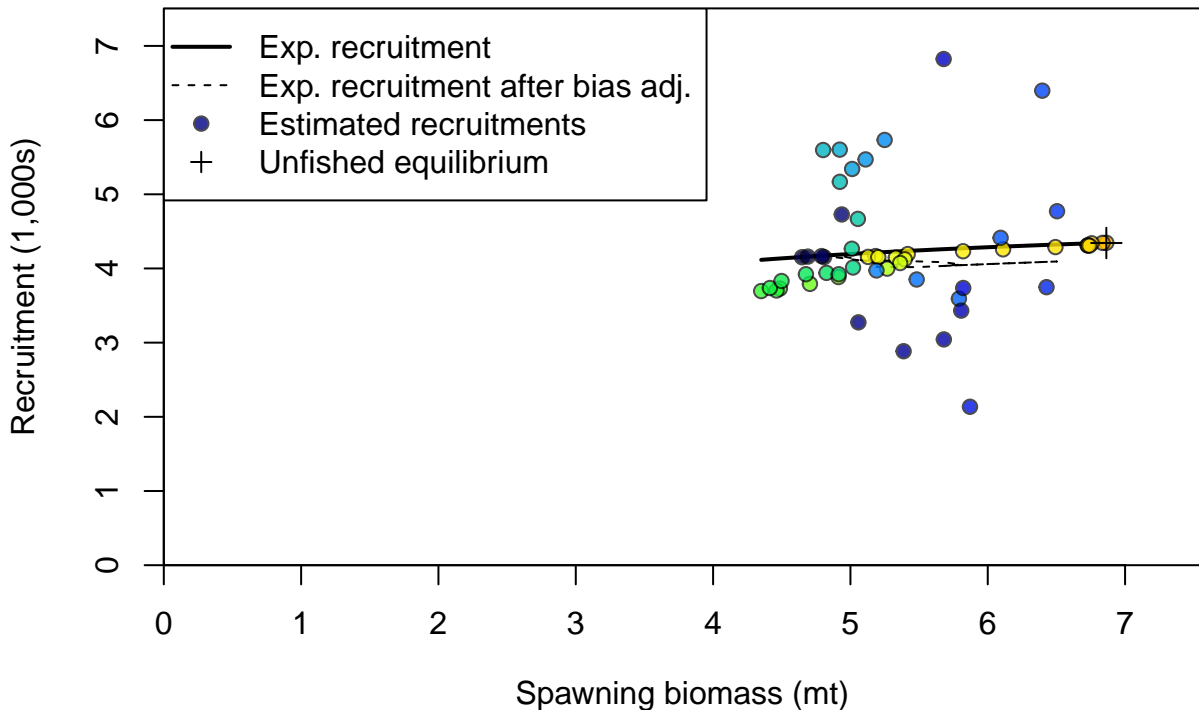


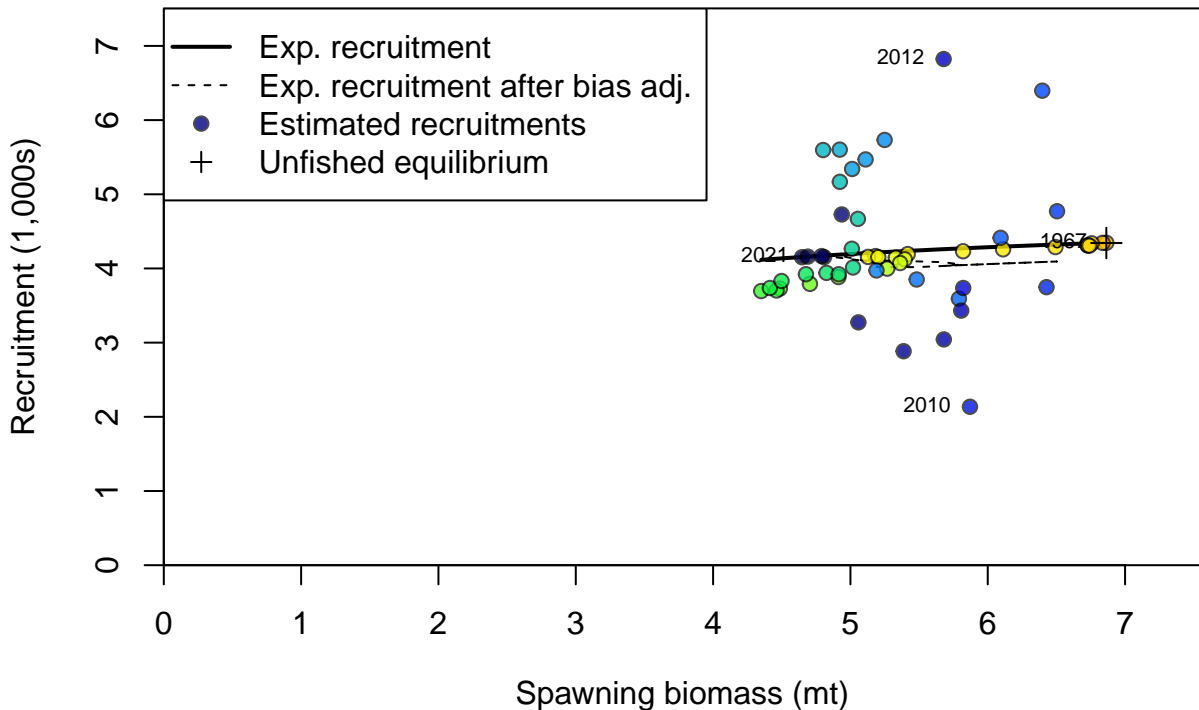


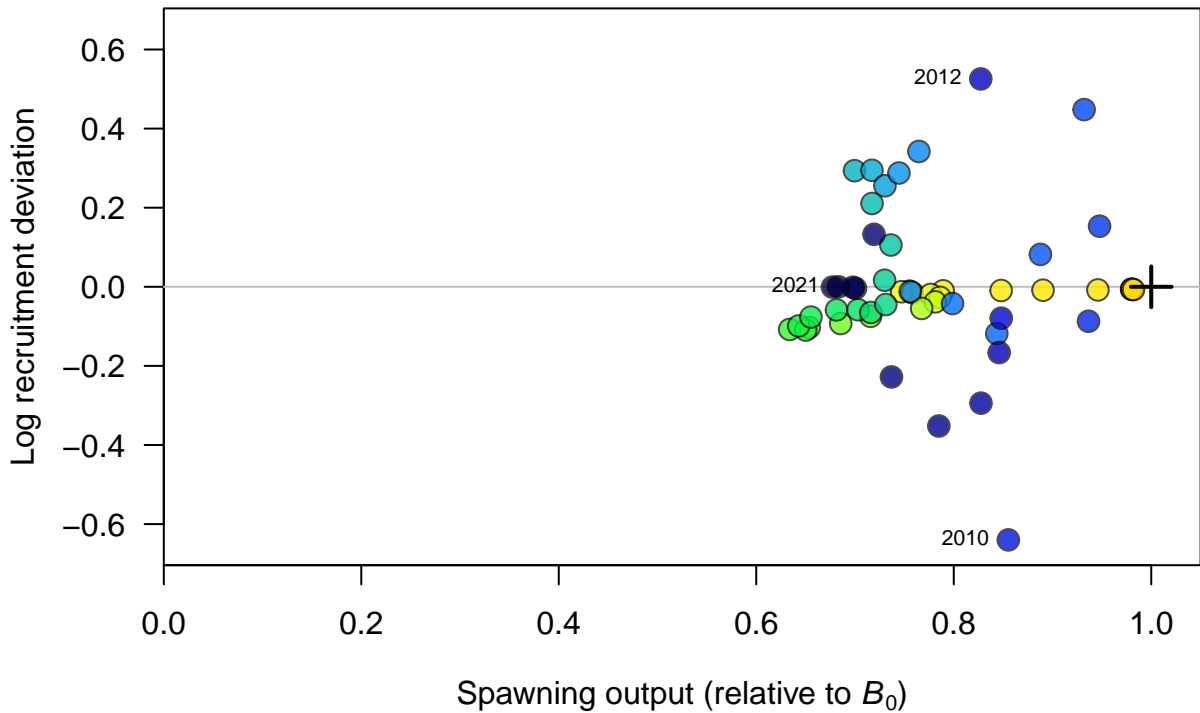


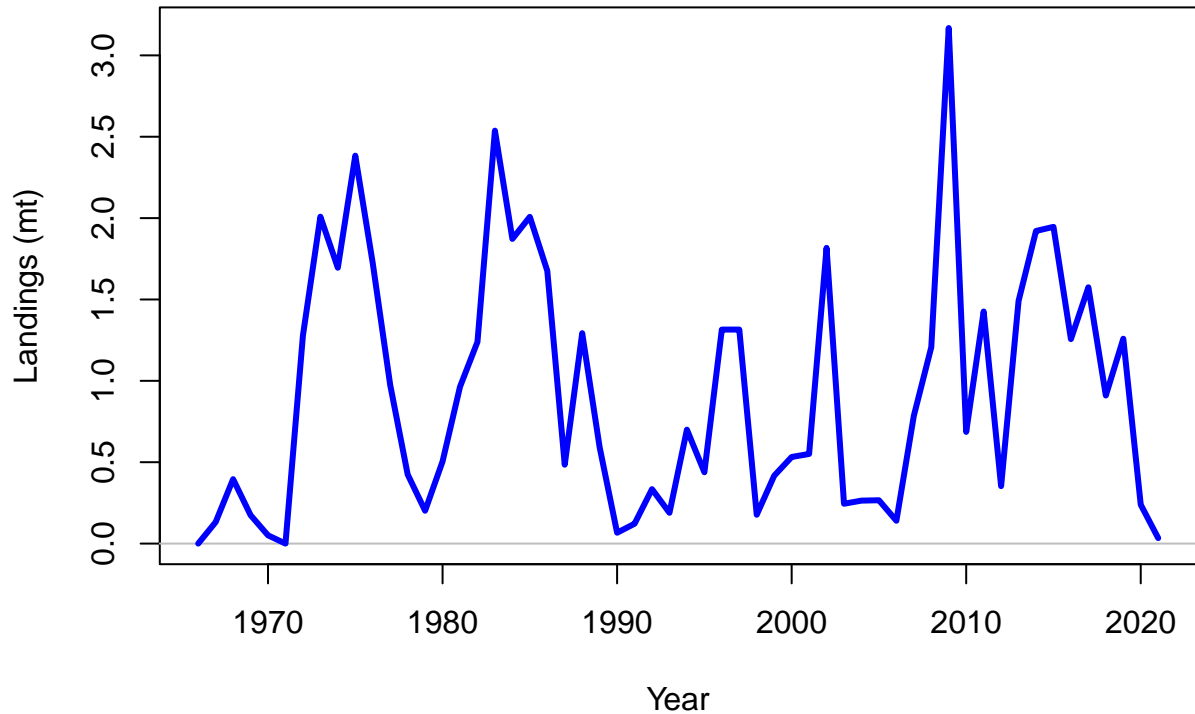
Log recruitment deviation

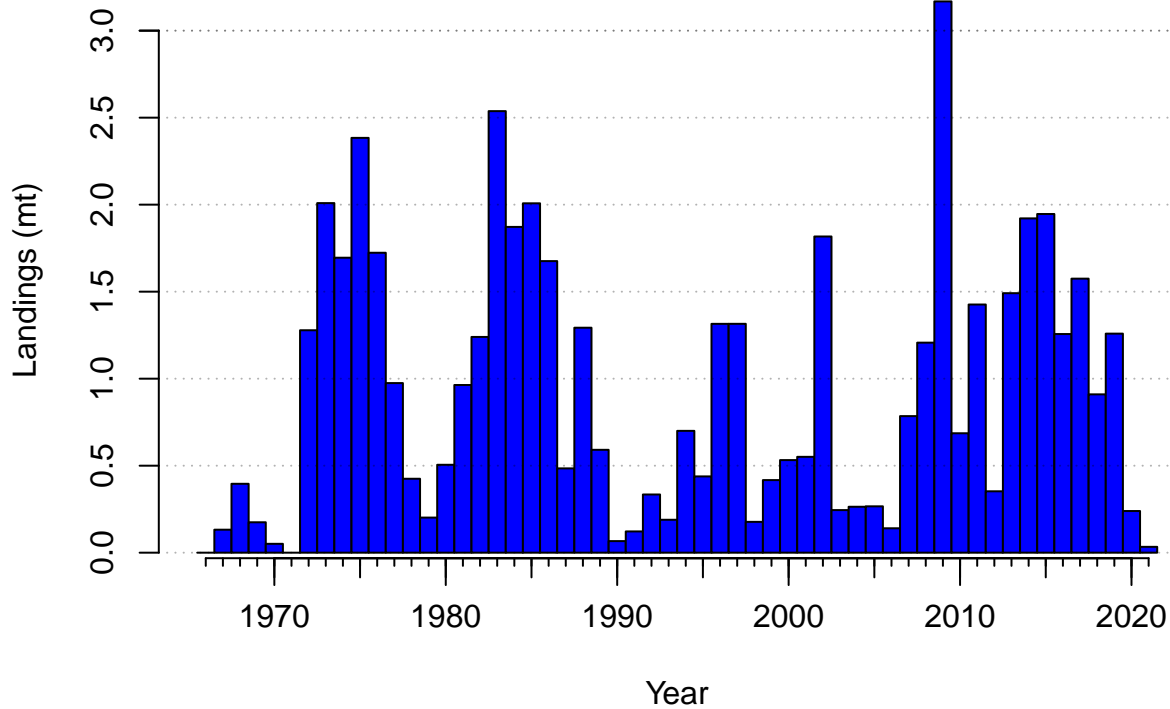


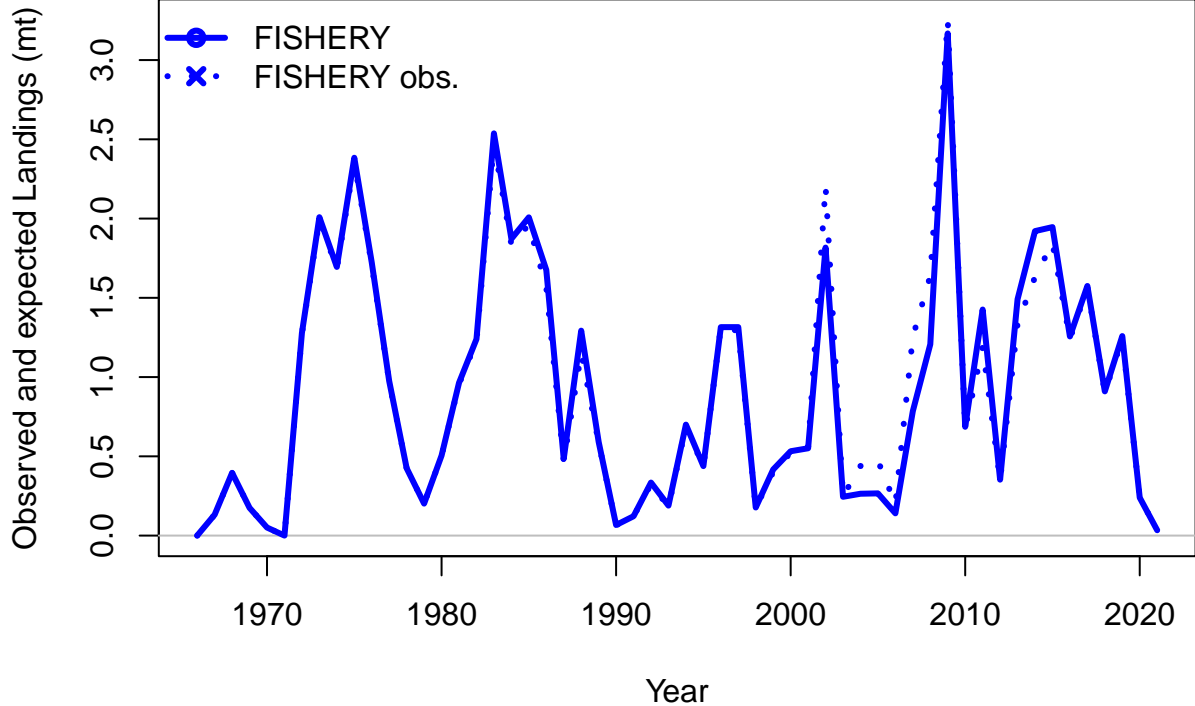


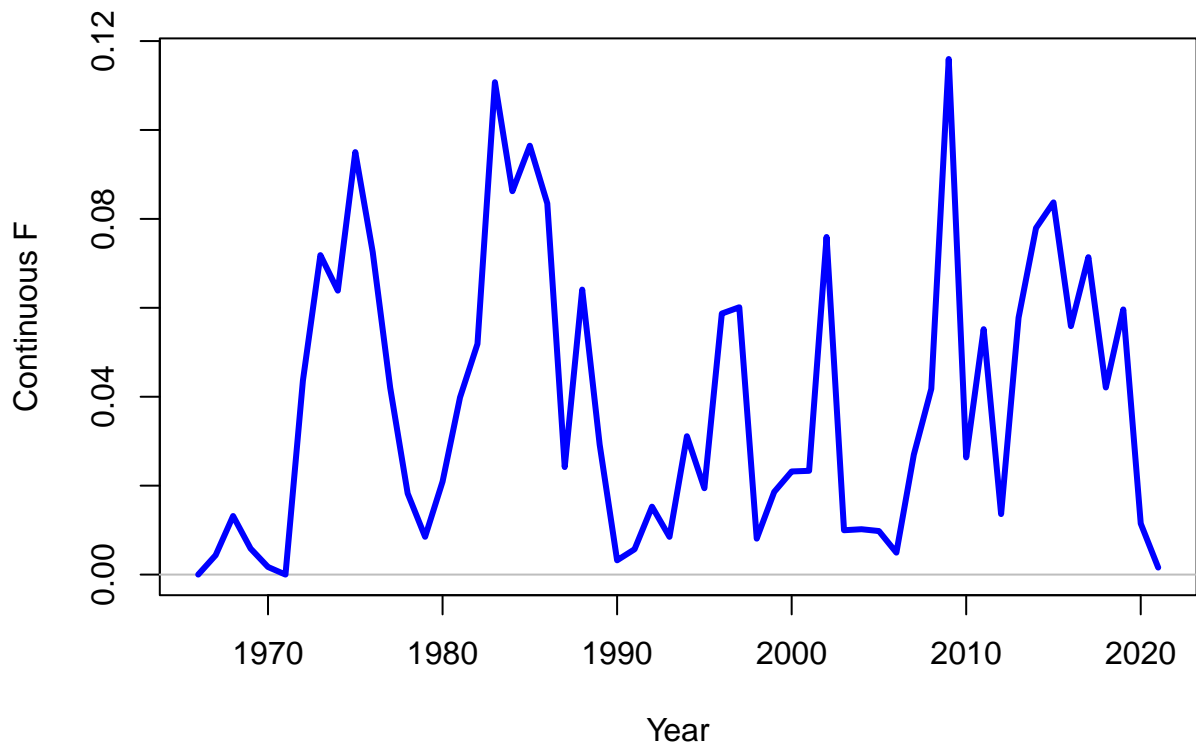






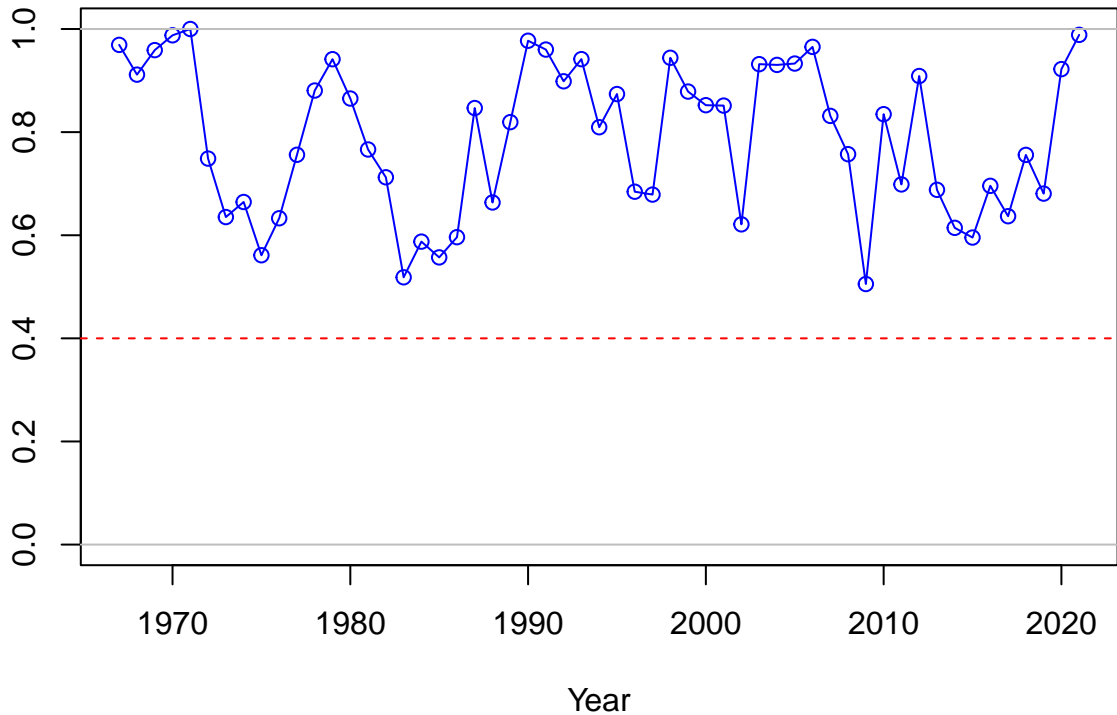




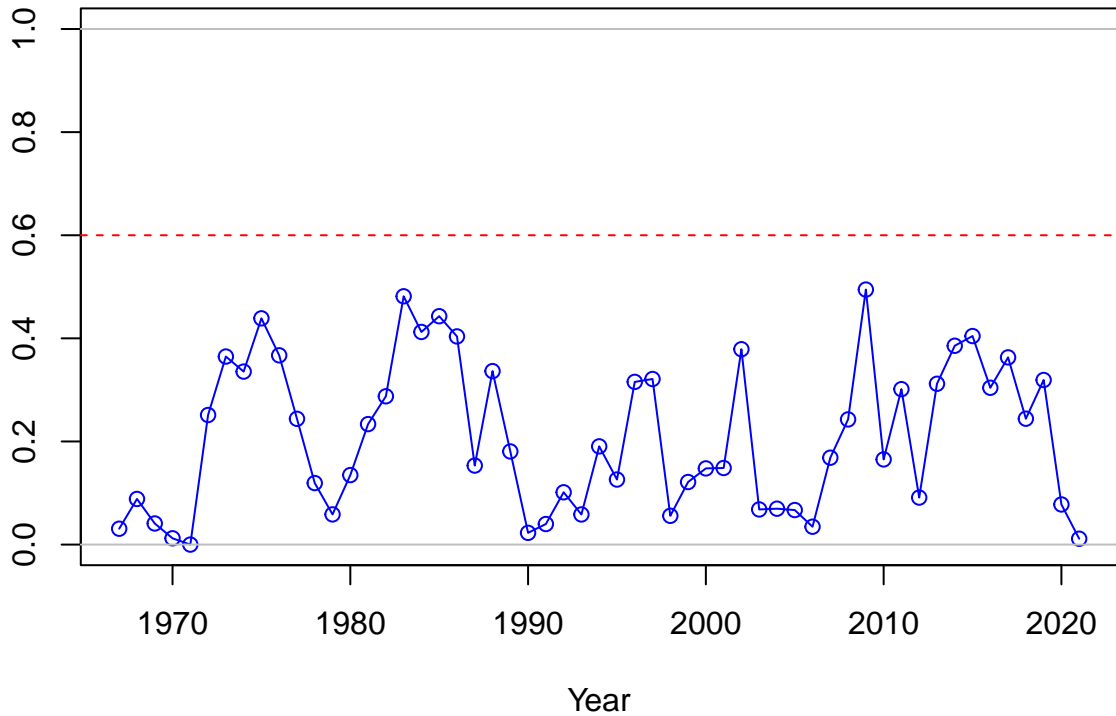




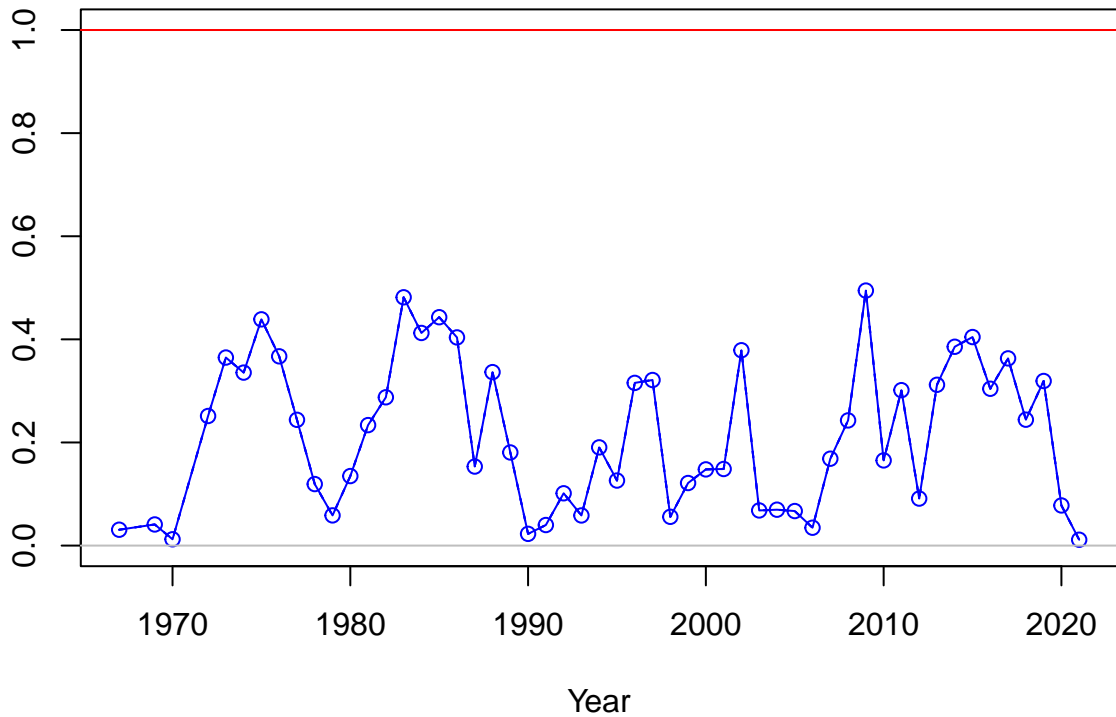
SPR



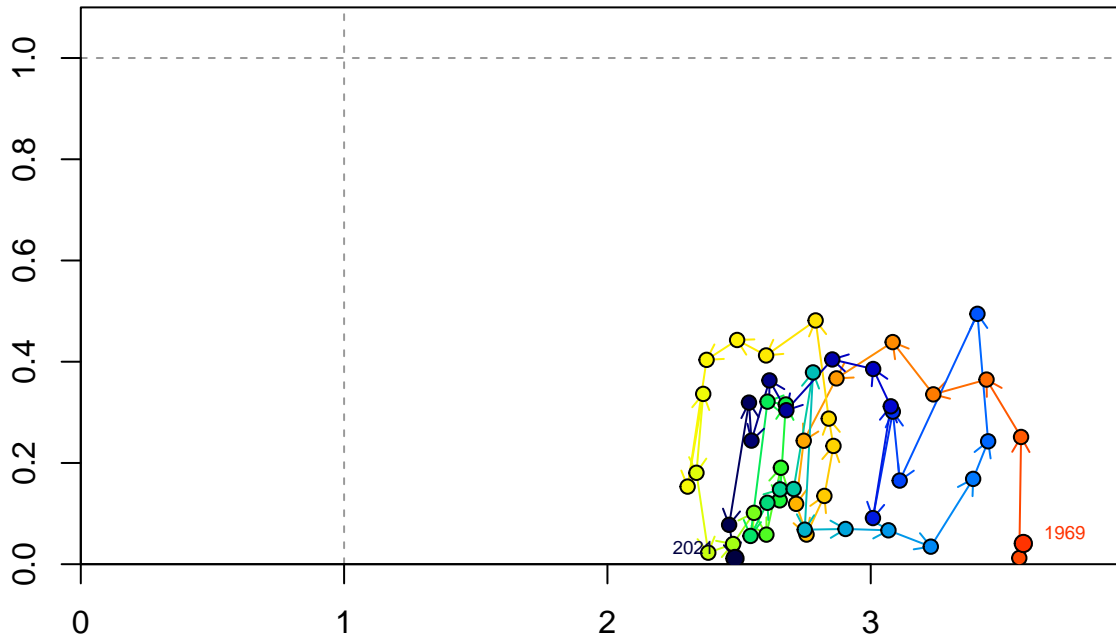
1-SPR



Fishing intensity: 1-SPR

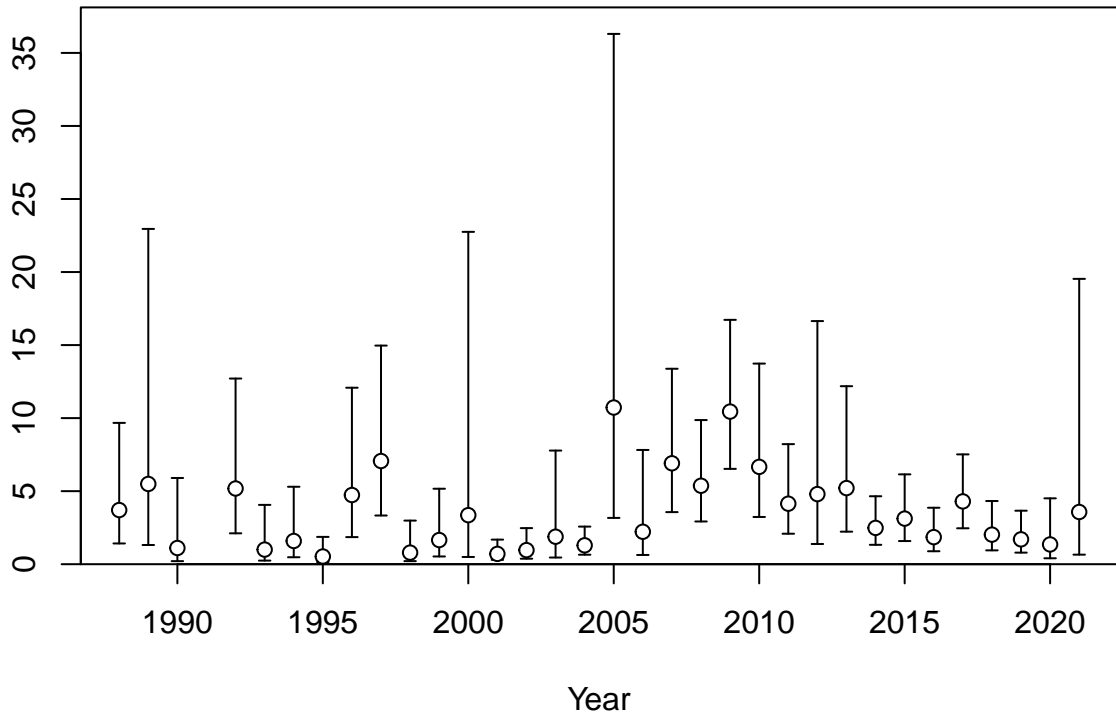


Fishing intensity: 1-SPR

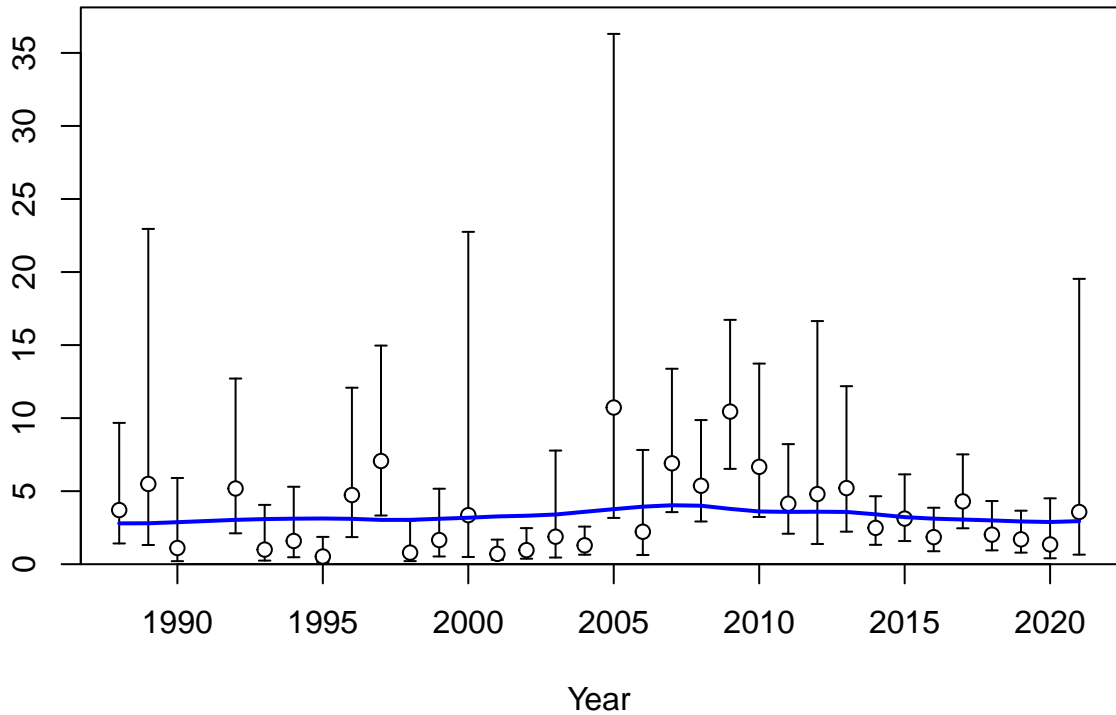


Relative spawning output:  $B/B_{MSY}$

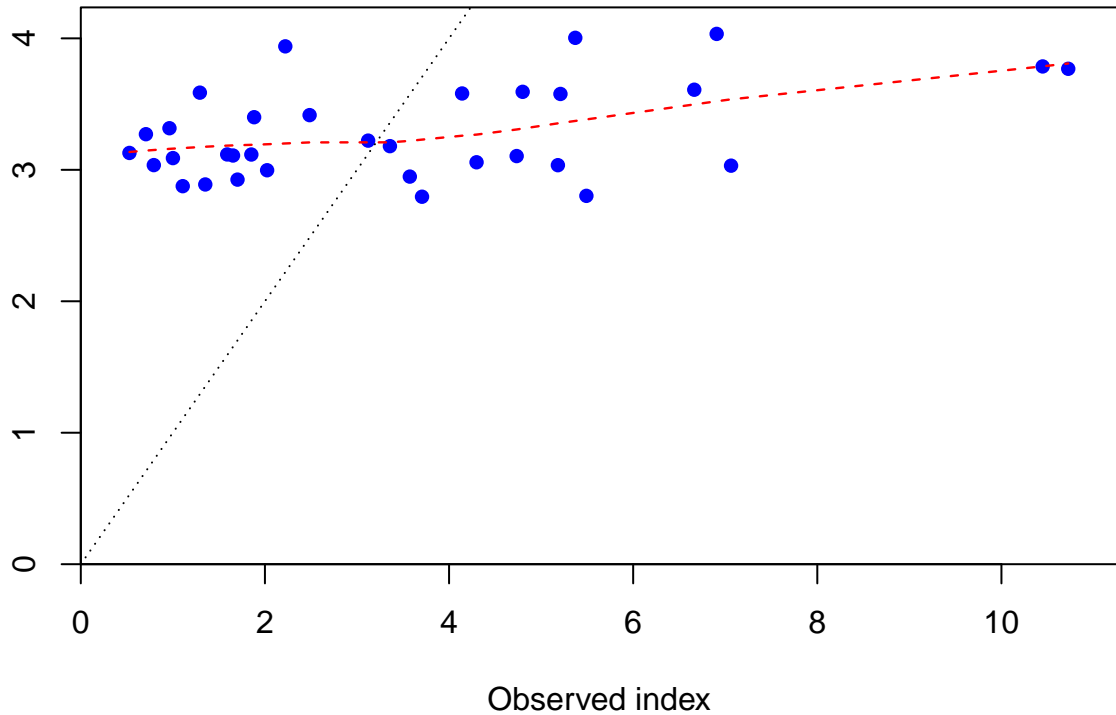
Index

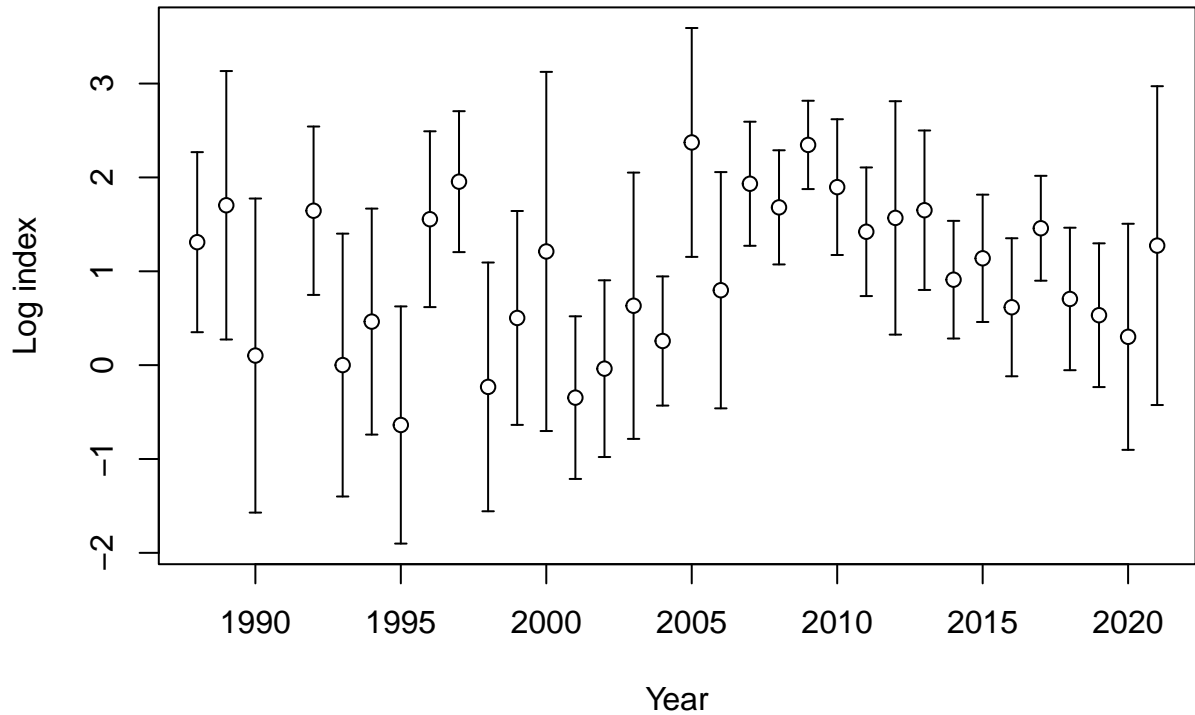


Index

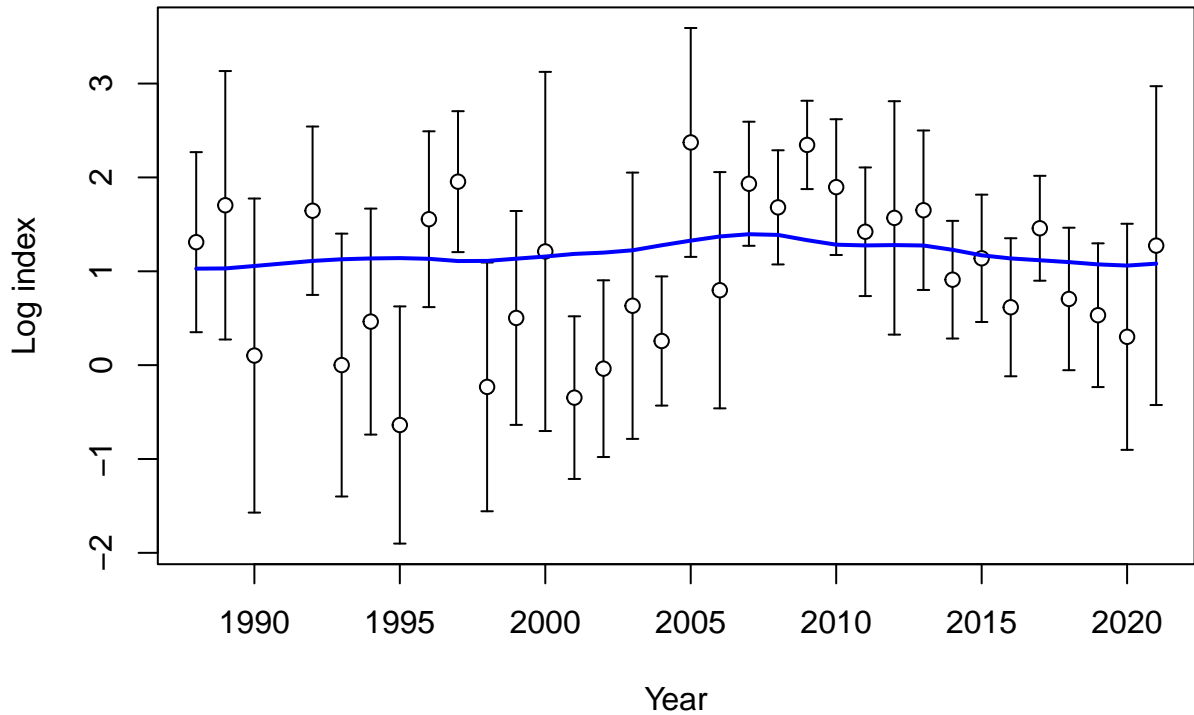


Expected index

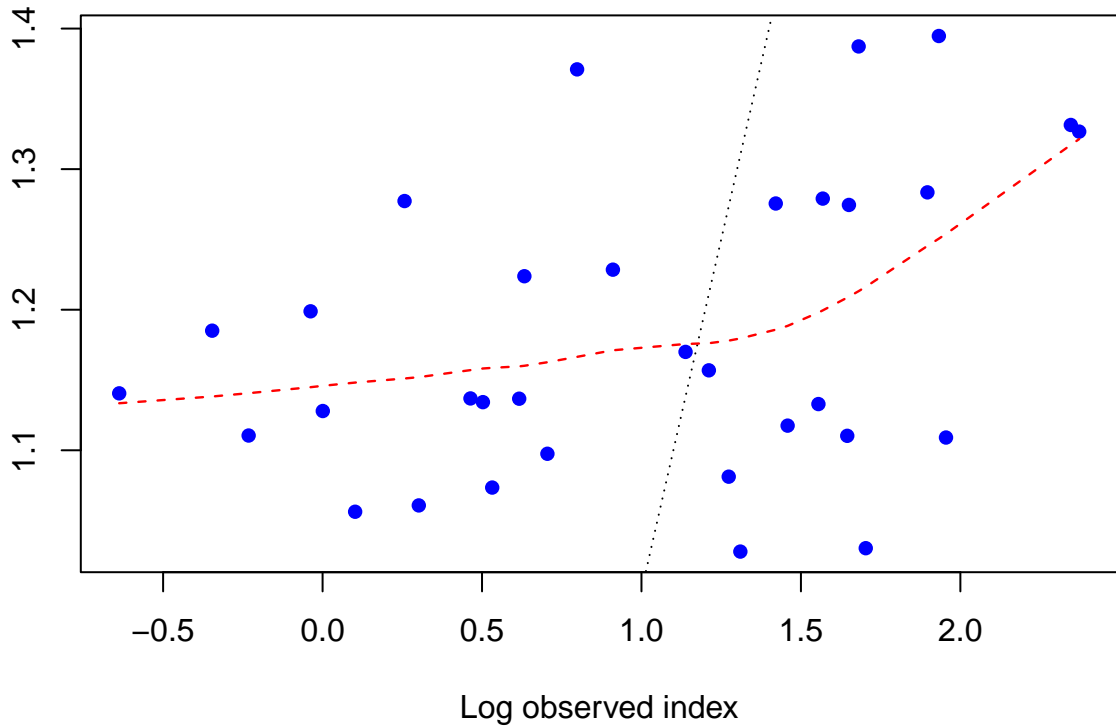


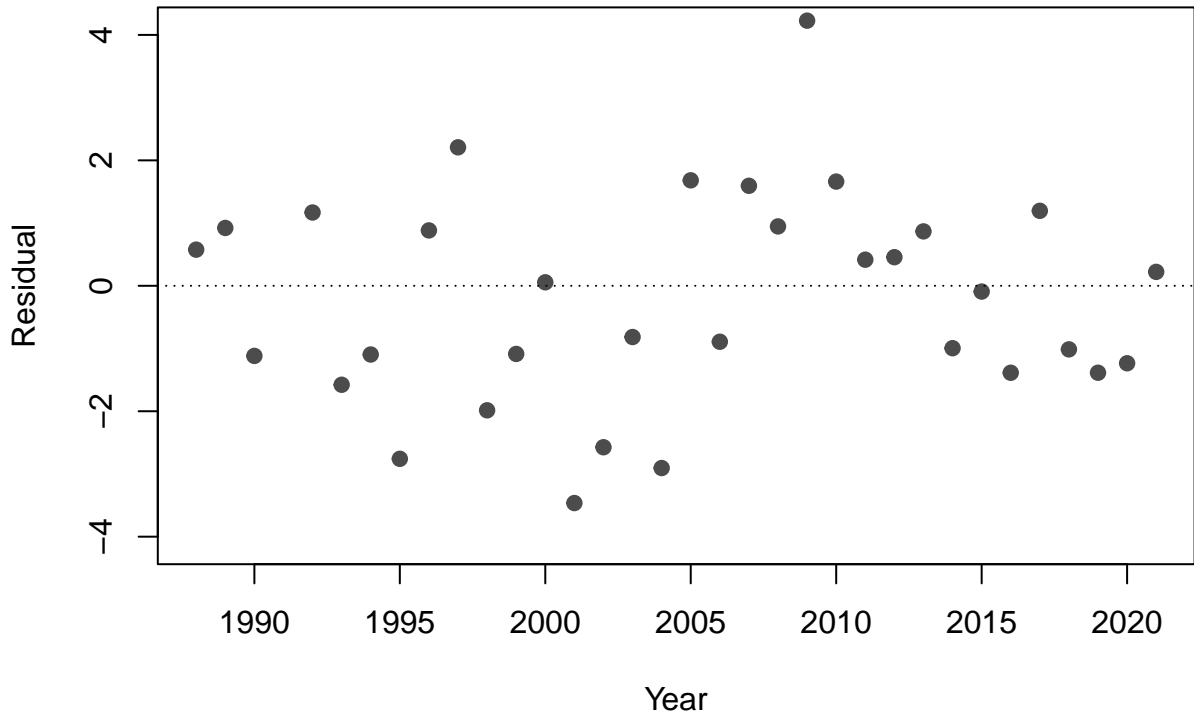


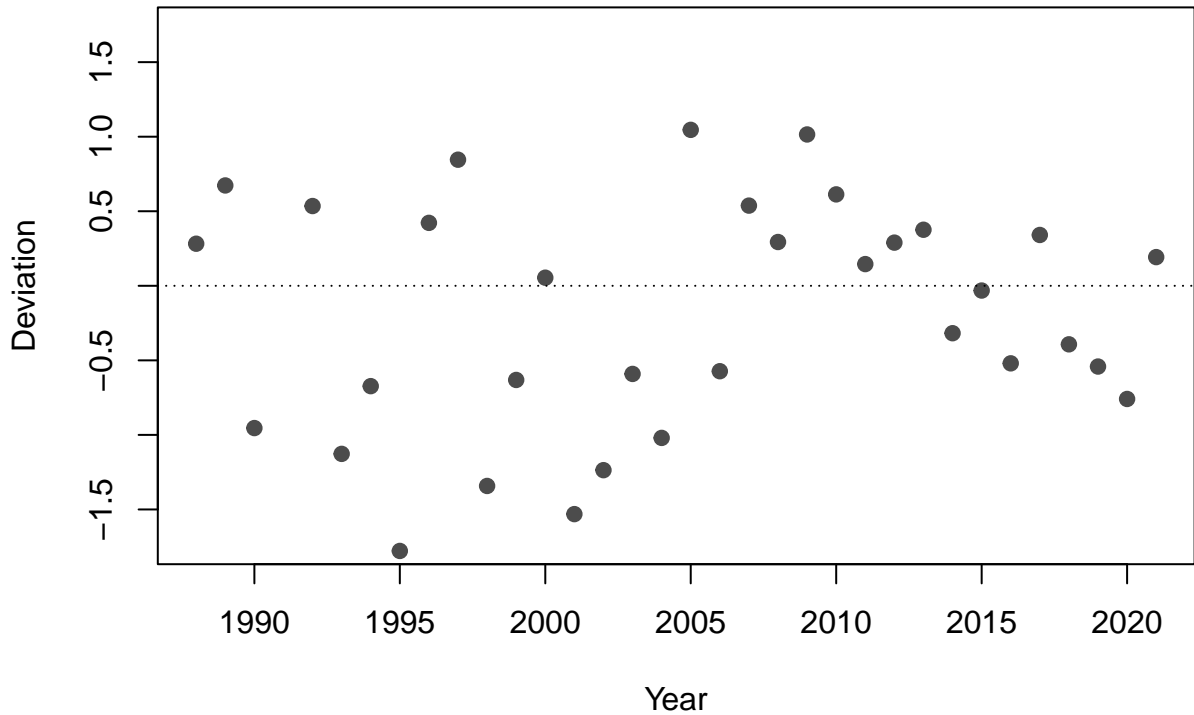


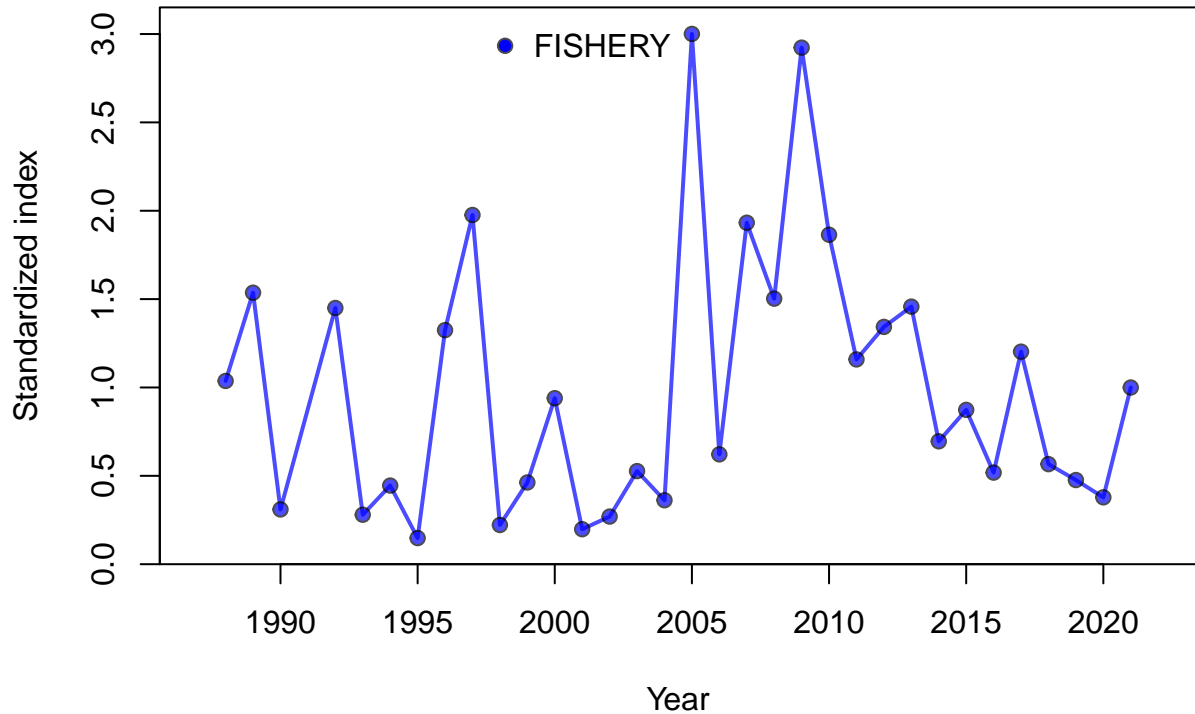


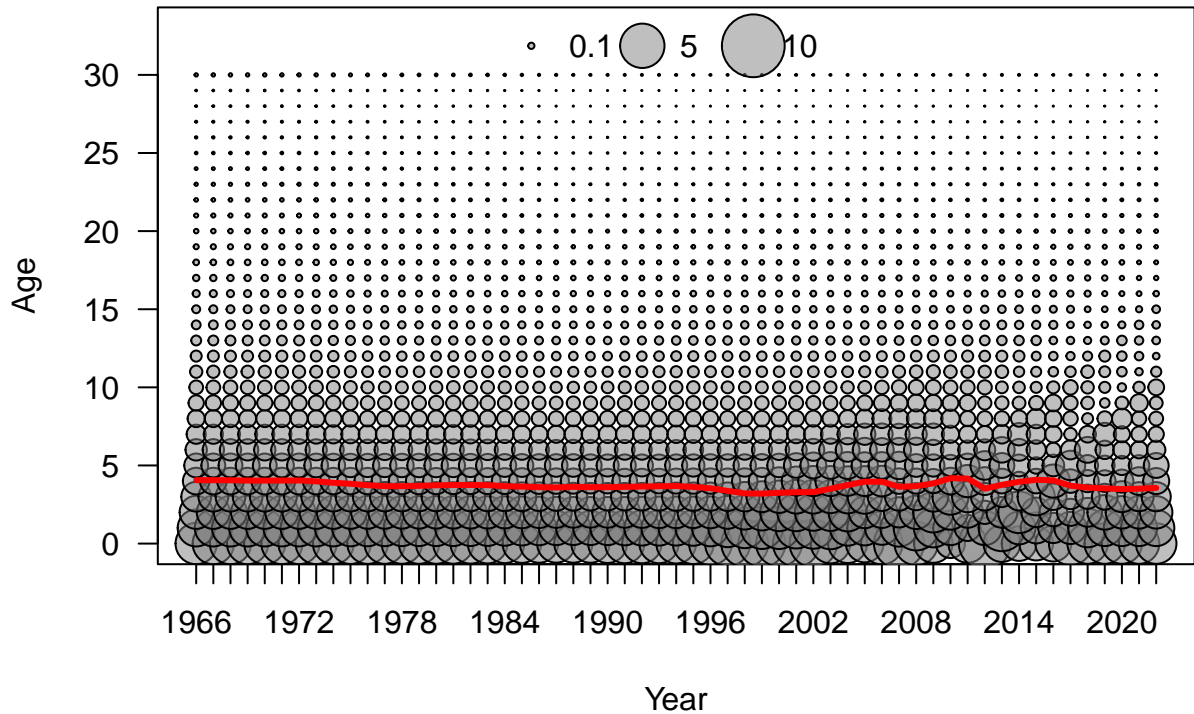
Log expected index

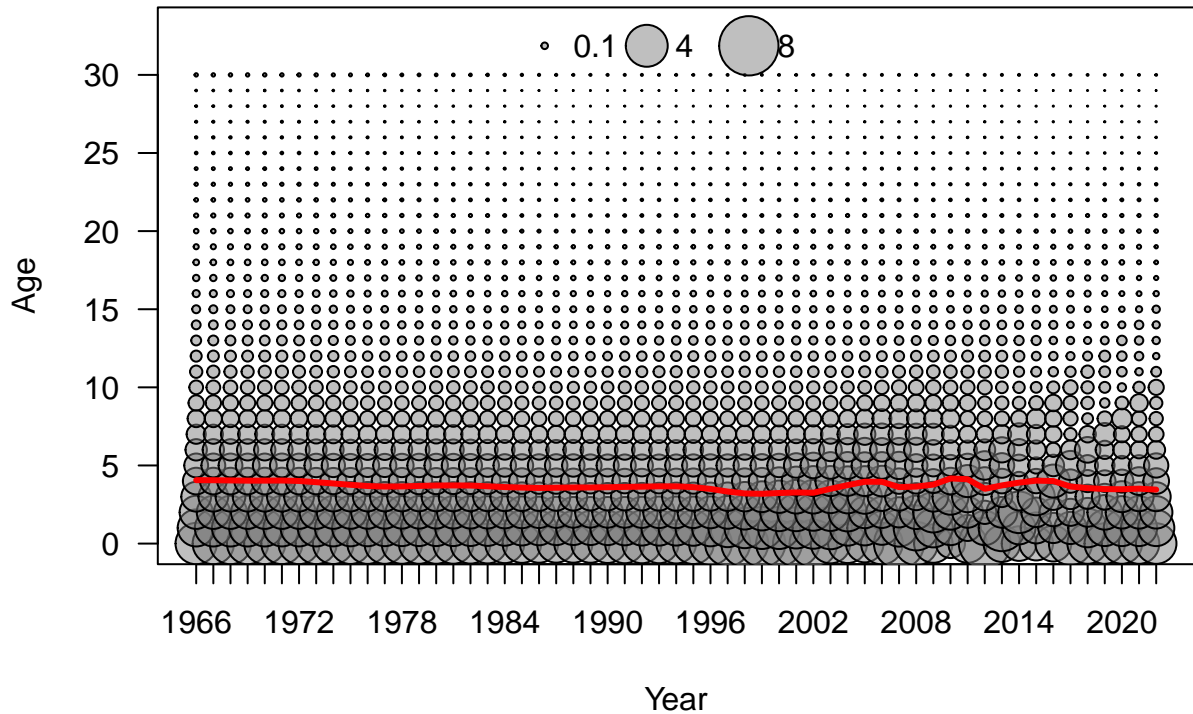


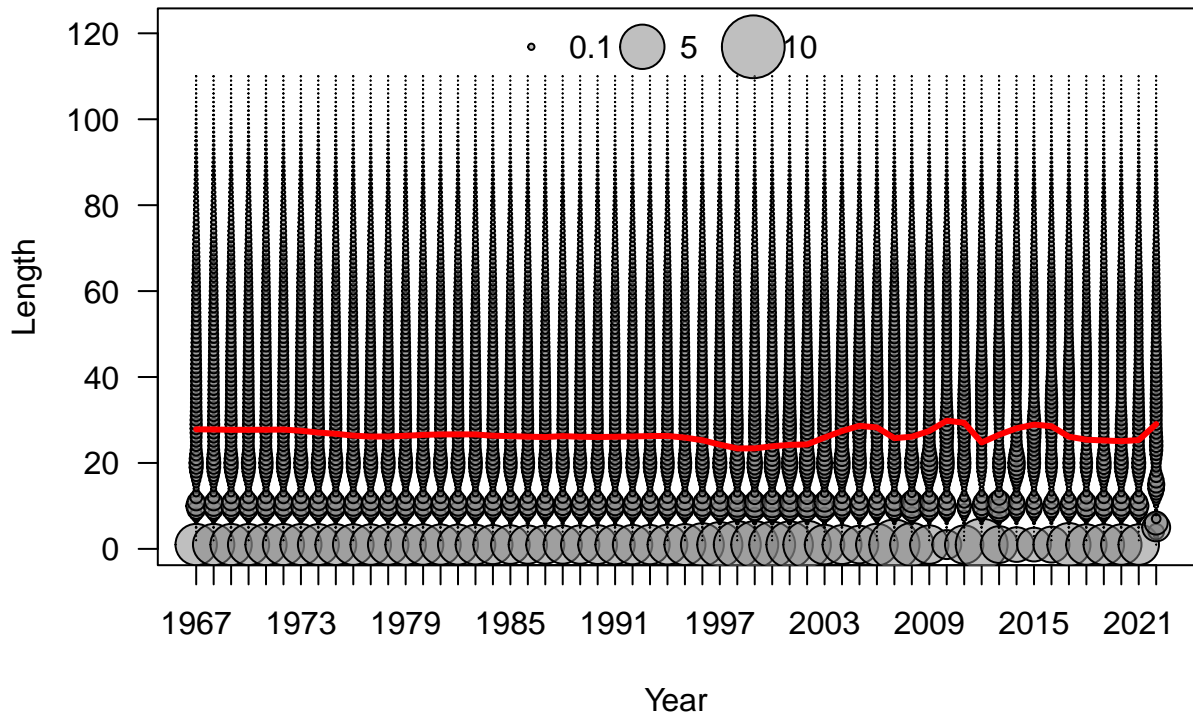




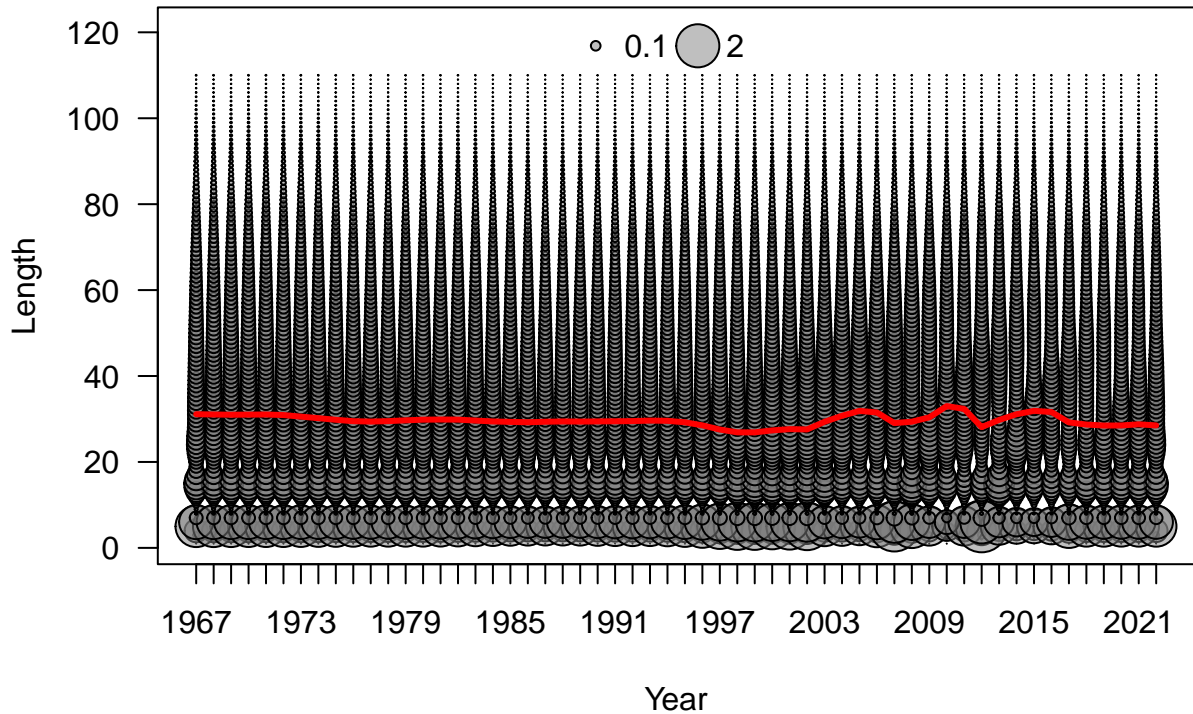


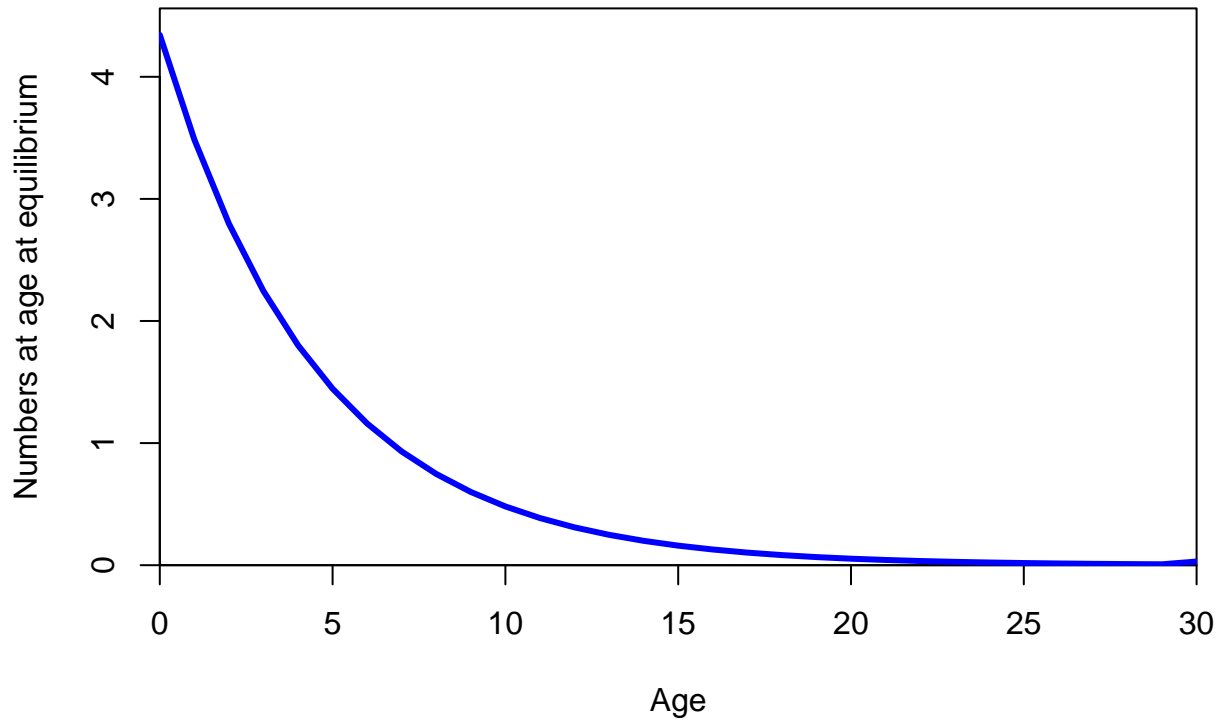






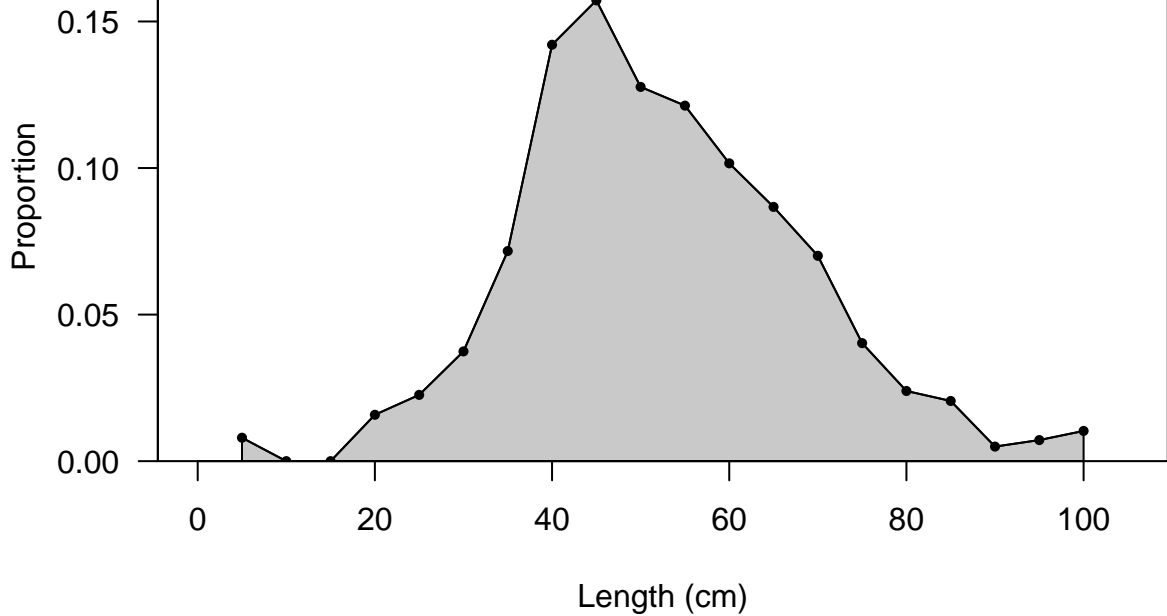


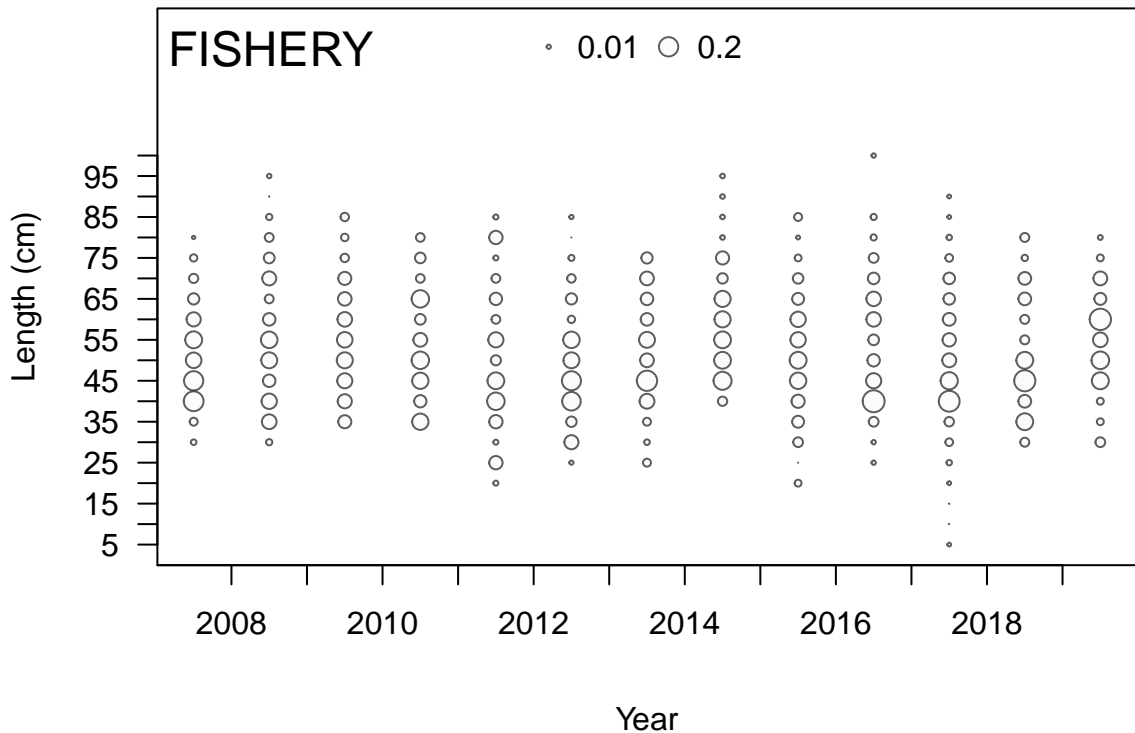




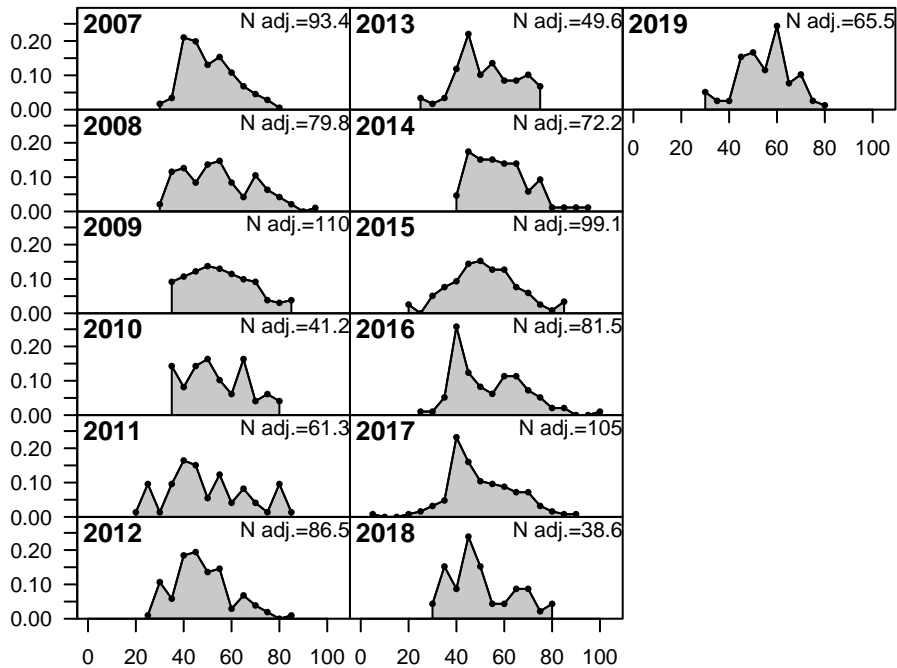
# FISHERY

Sum of N adj.=983.8

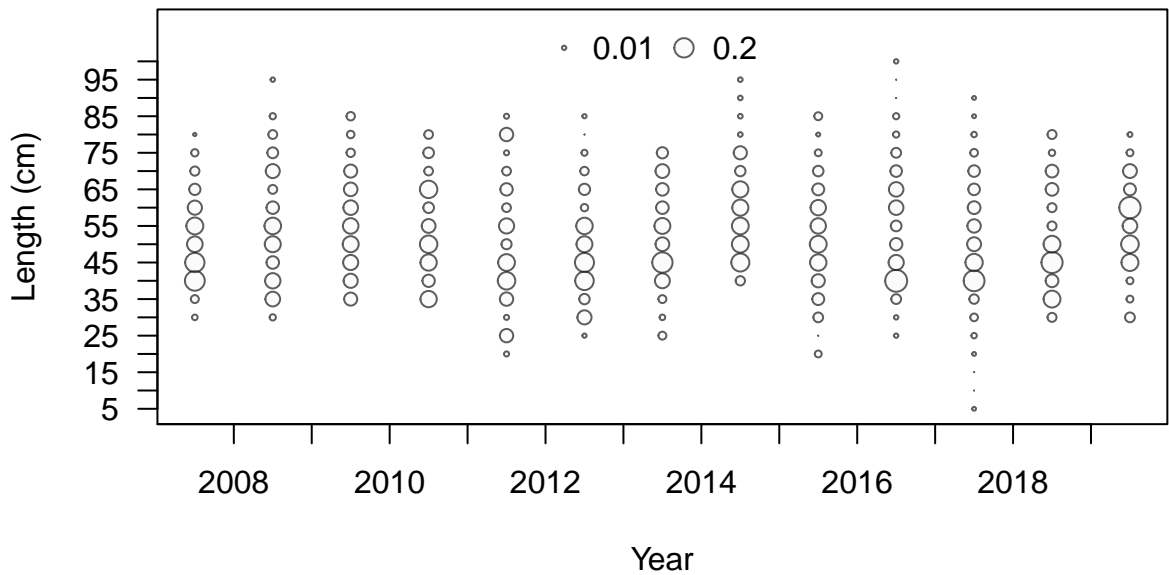




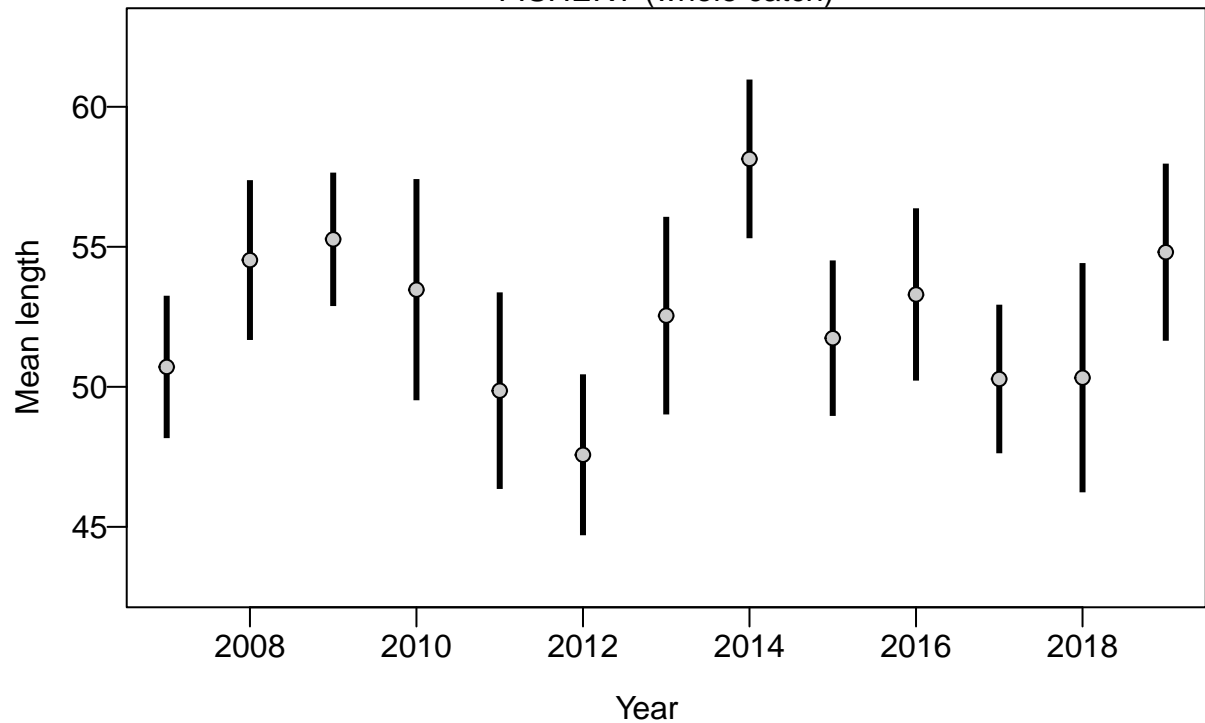
Proportion



Length (cm)

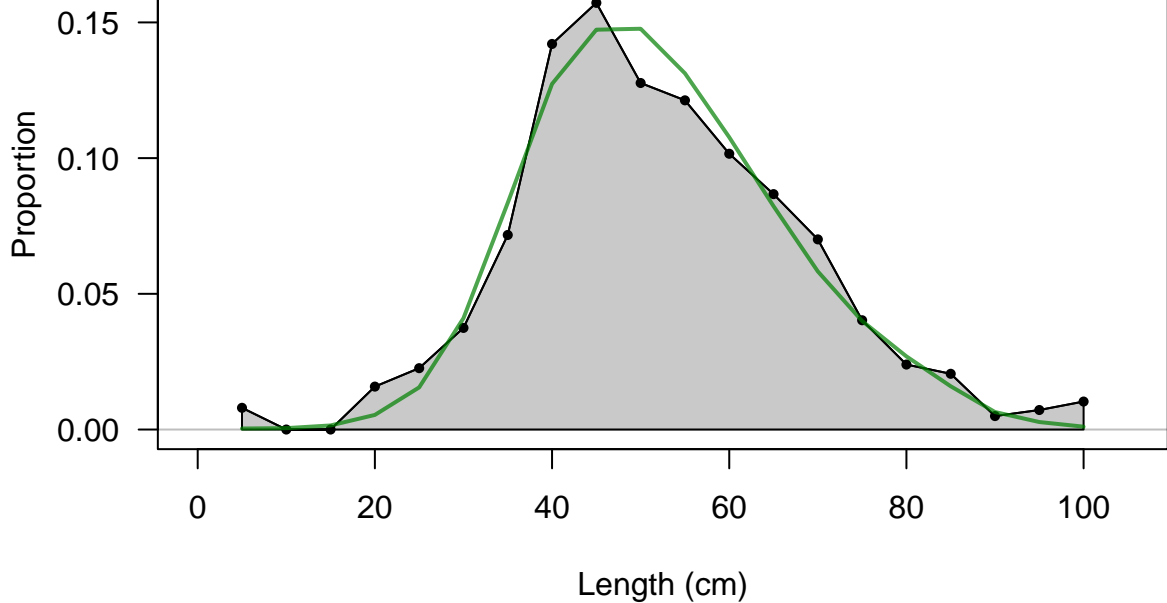


FISHERY (whole catch)

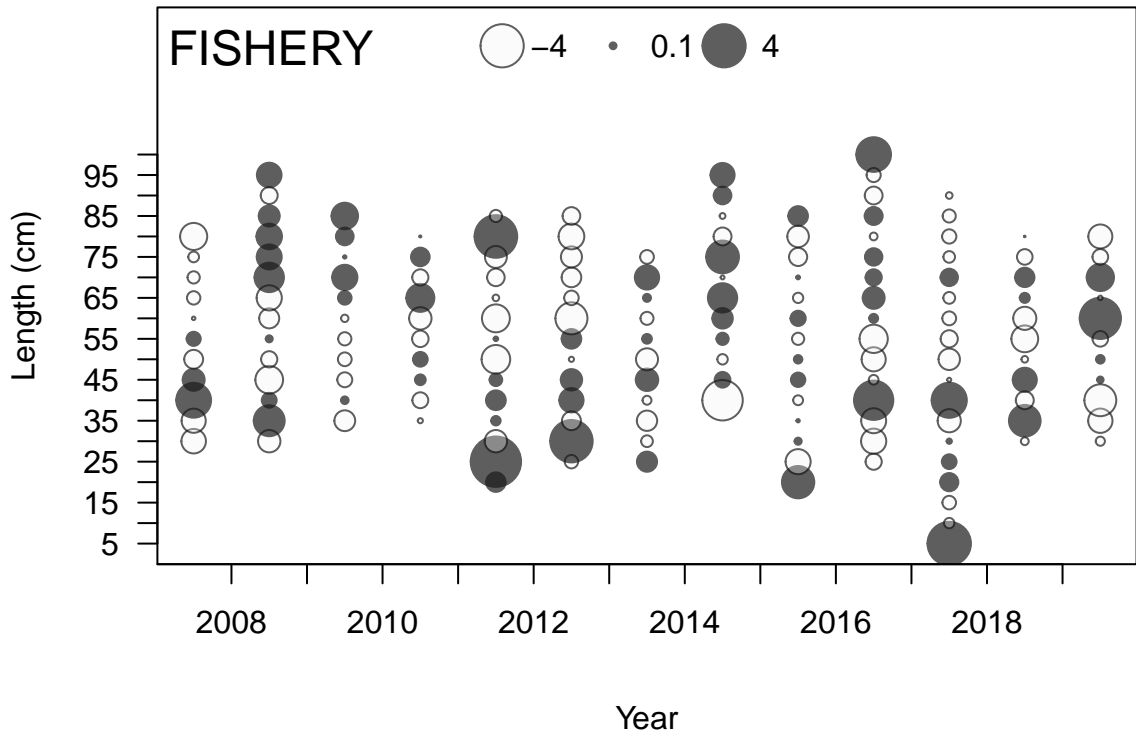


# FISHERY

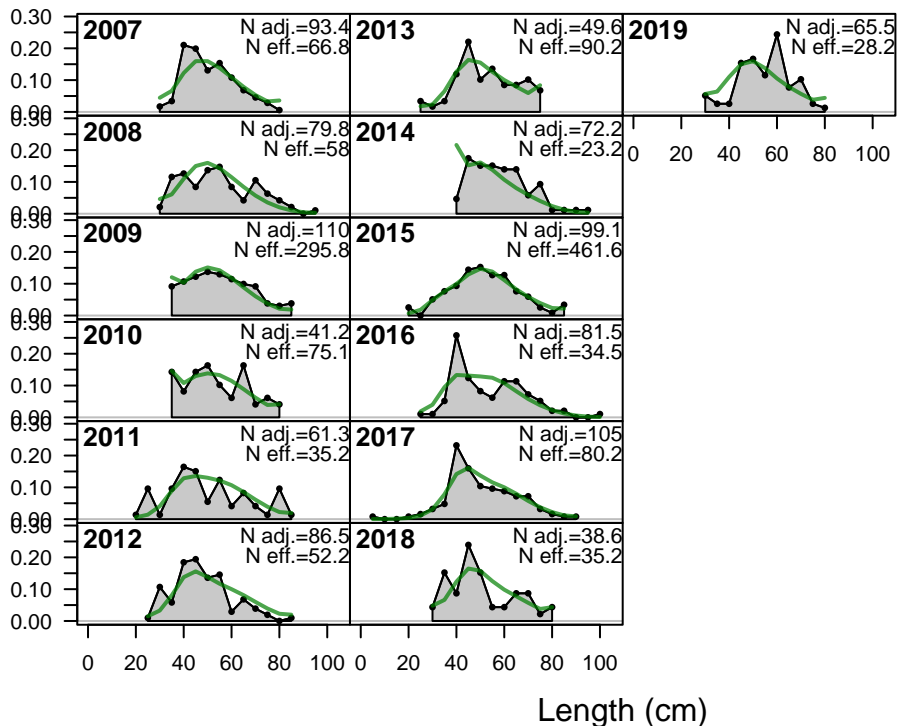
Sum of N adj.=983.8  
Sum of N eff.=1336.2

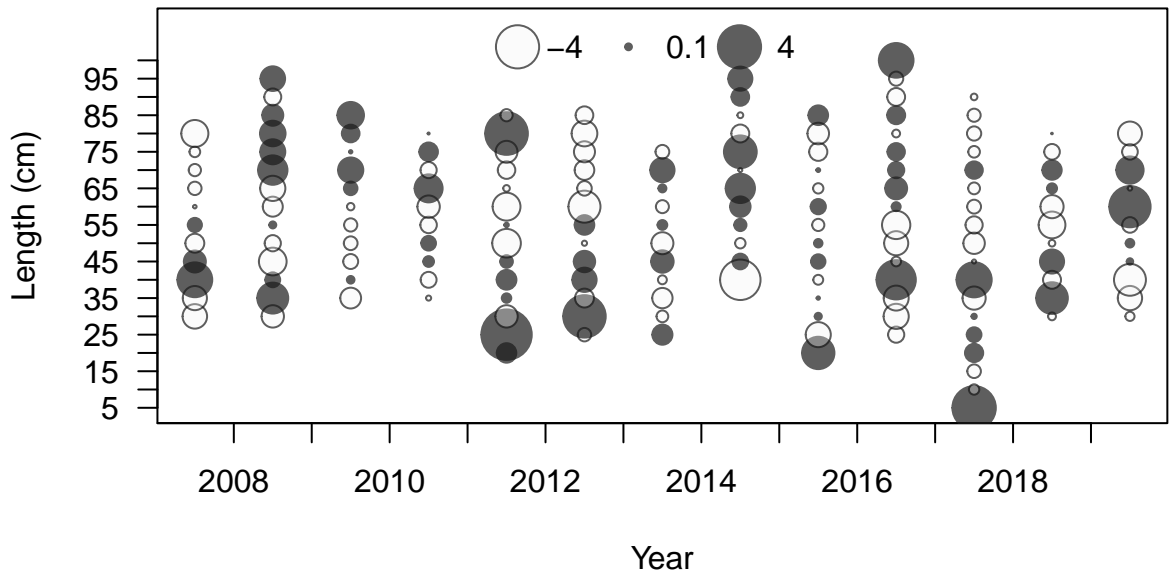




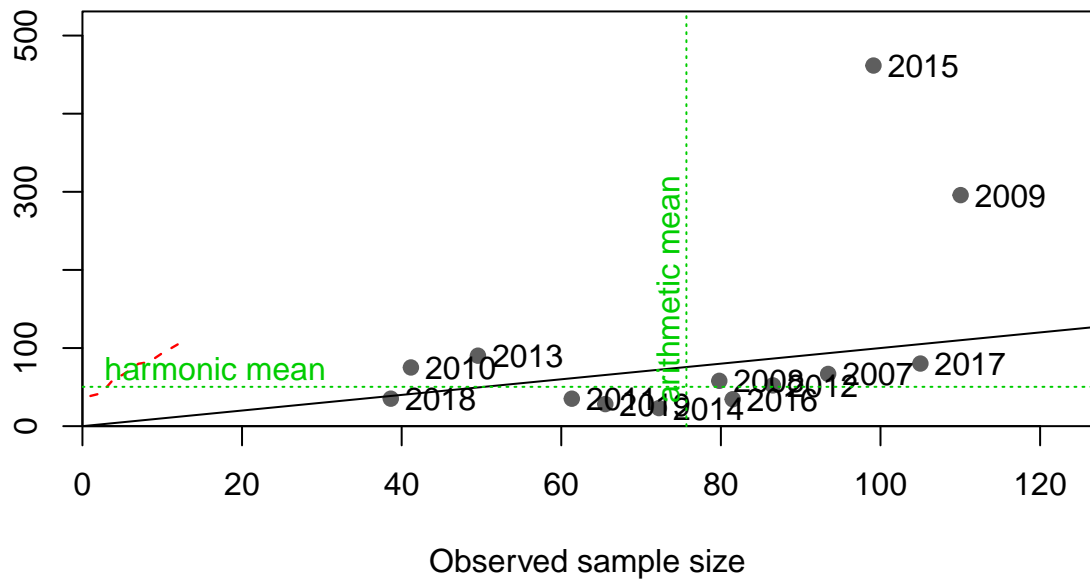


Proportion

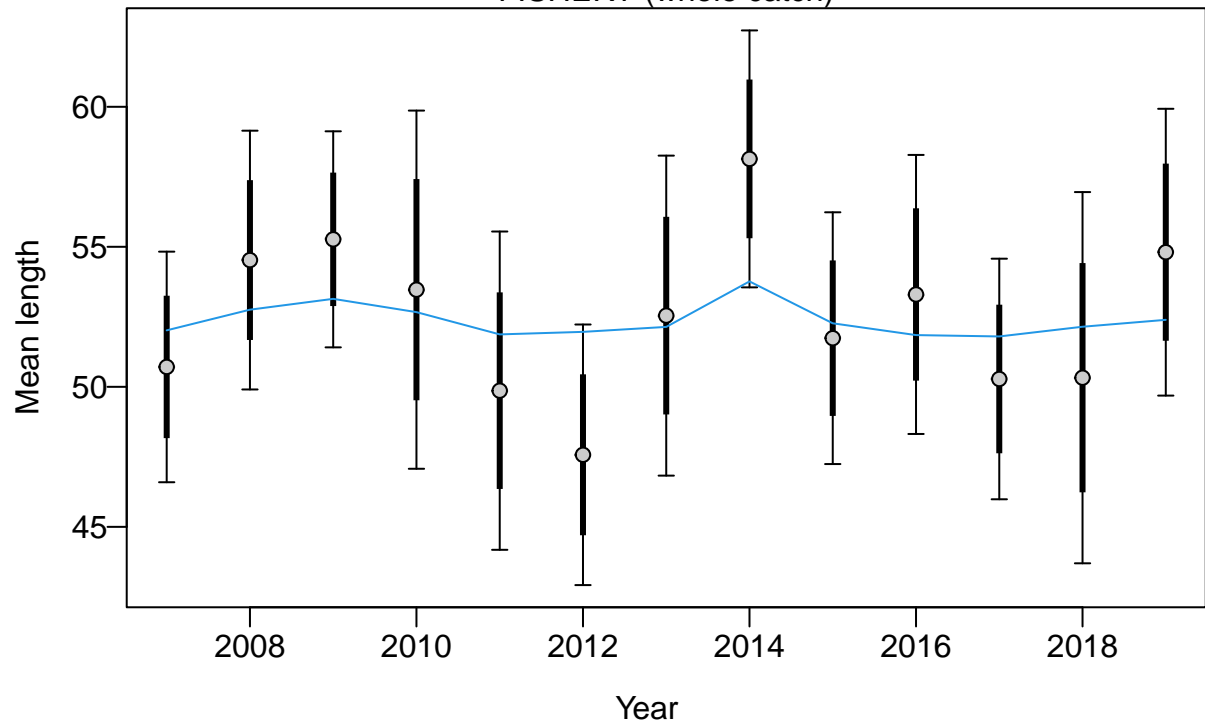


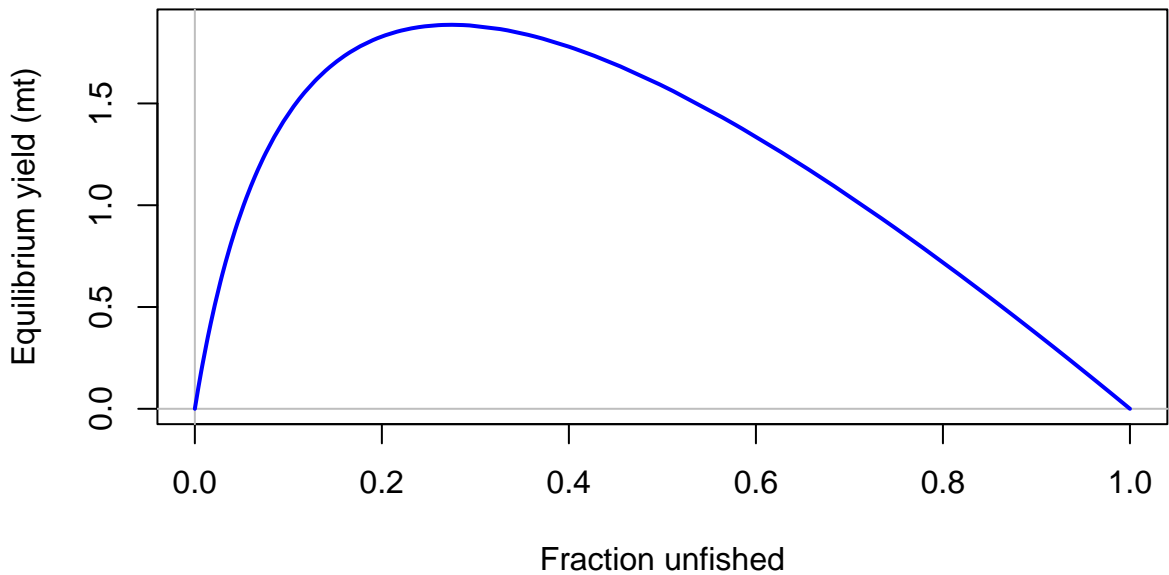


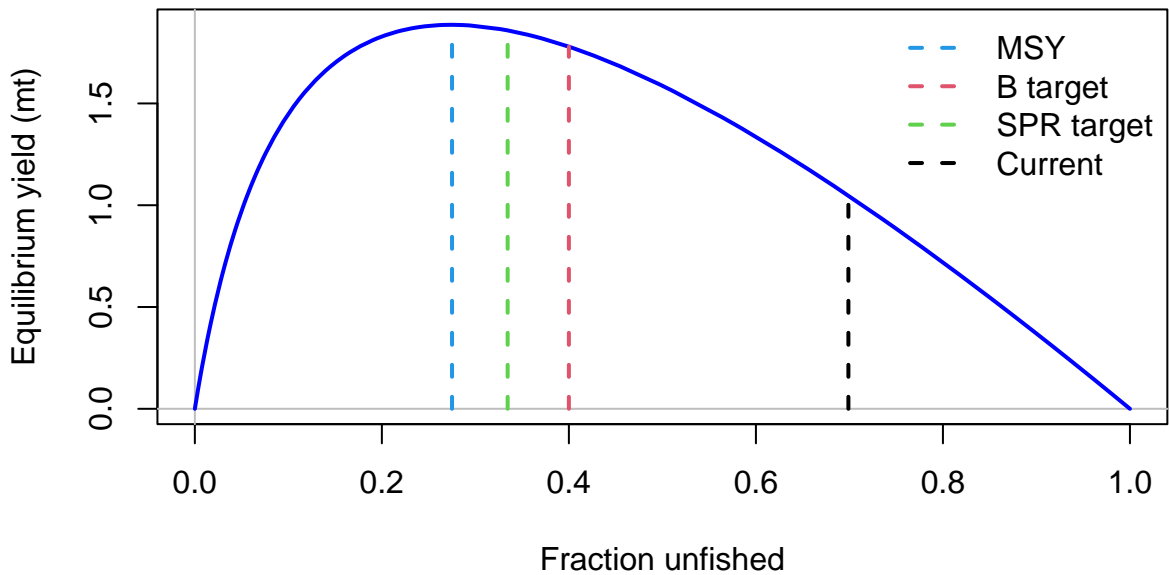
Effective sample size

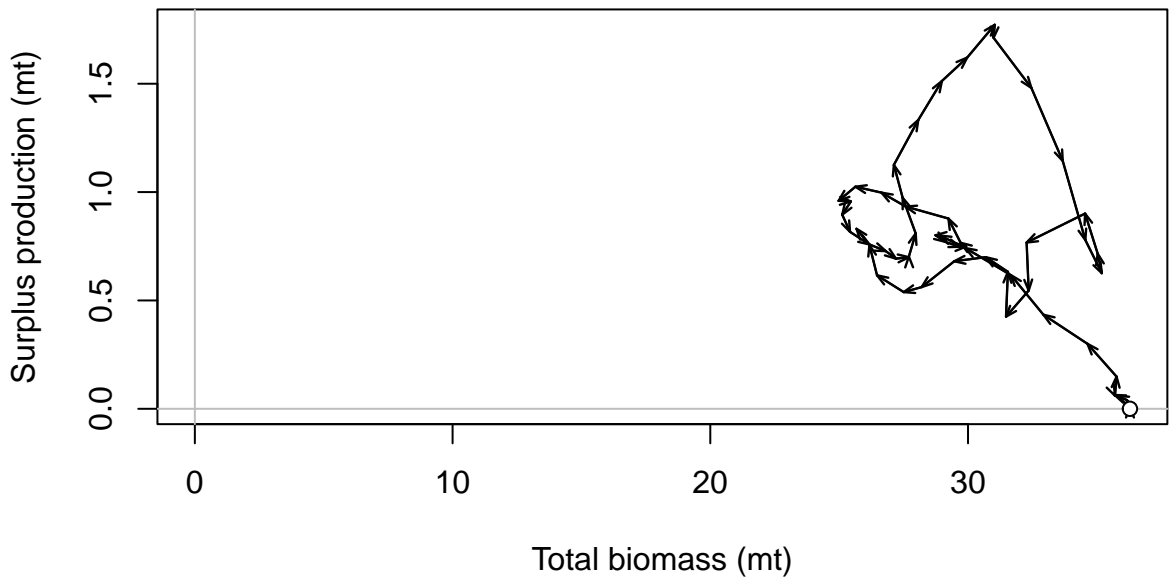


FISHERY (whole catch)

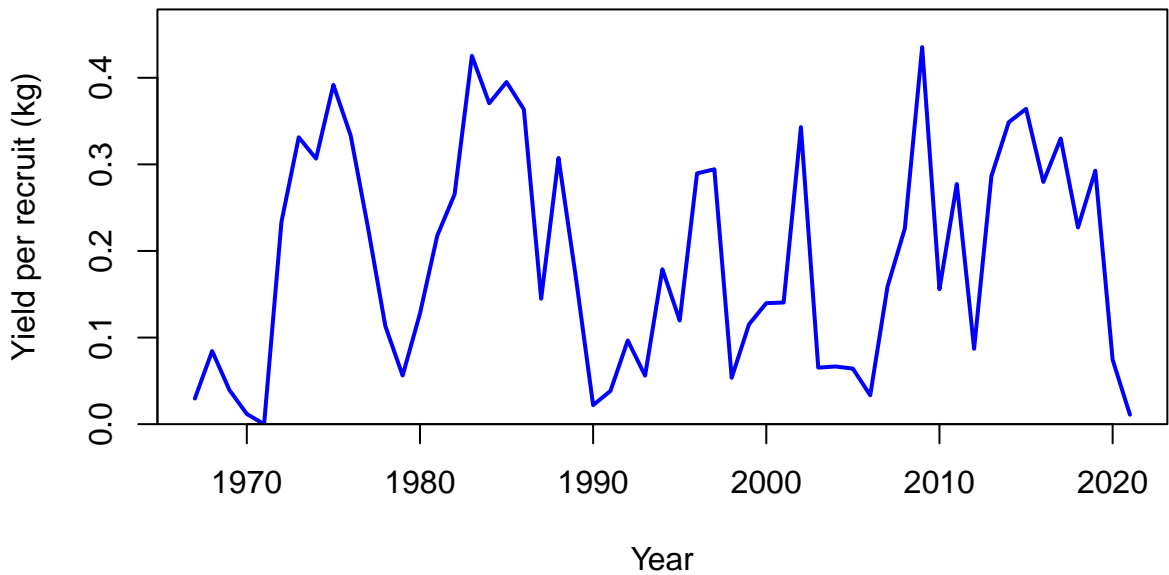


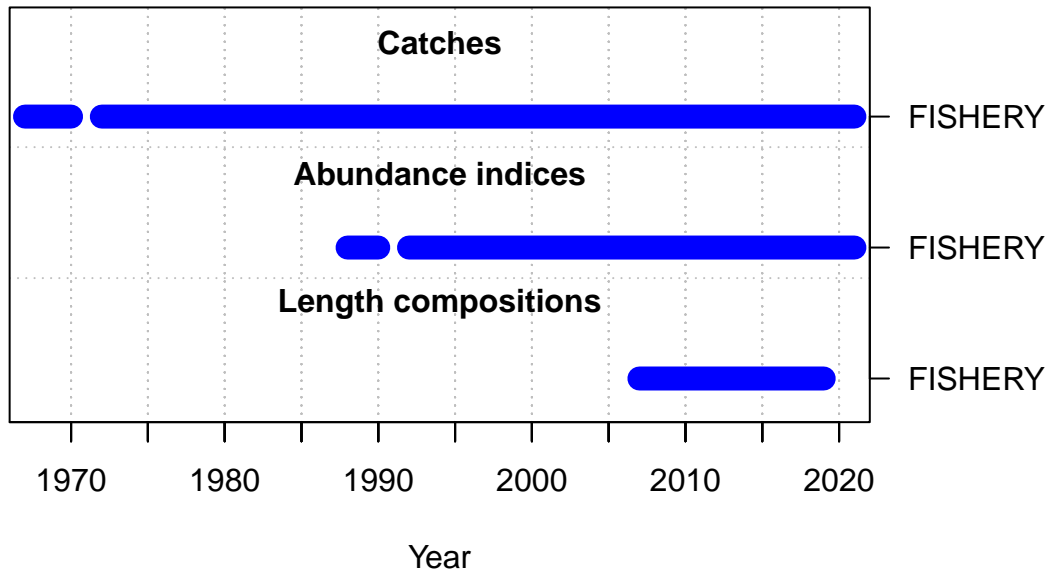


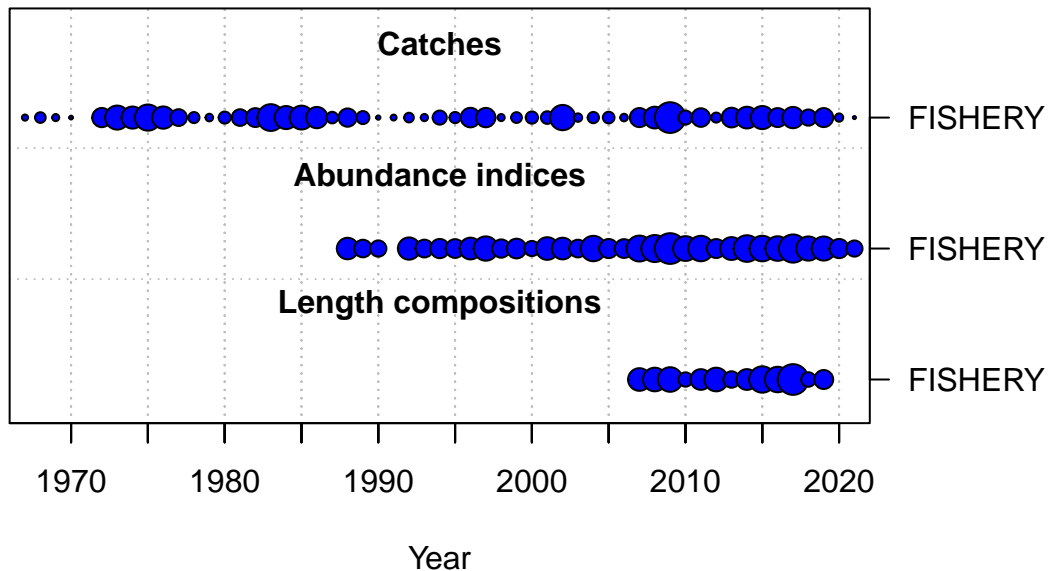










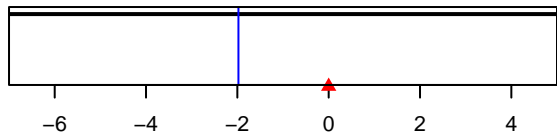


Density

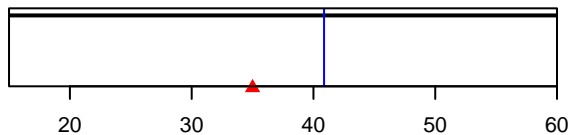
SR\_LN(R0)



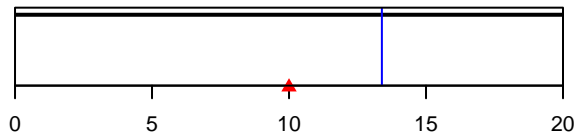
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value