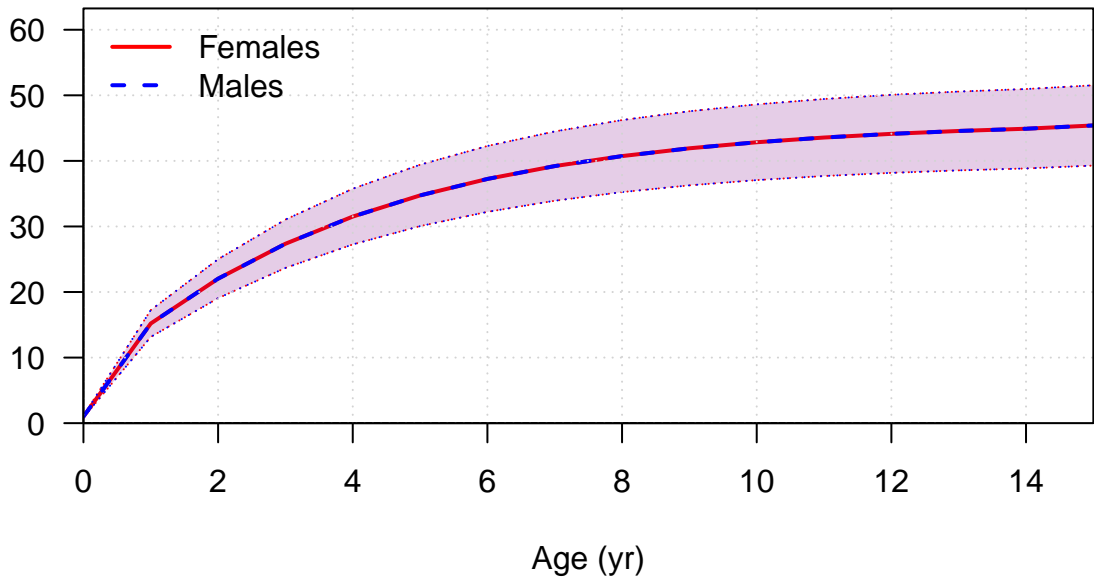
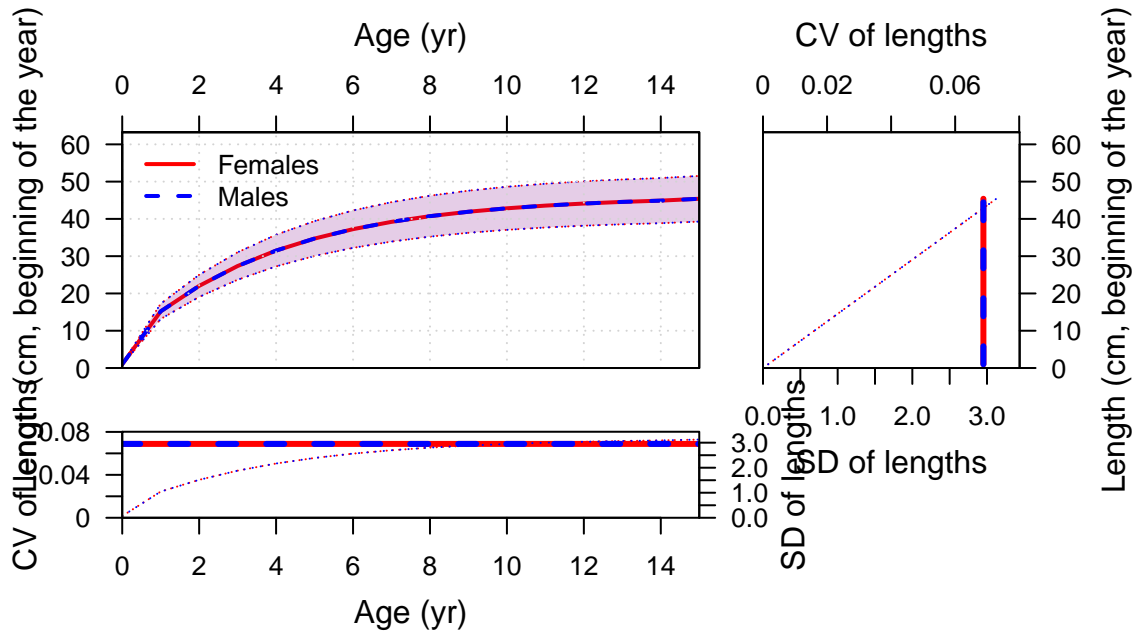
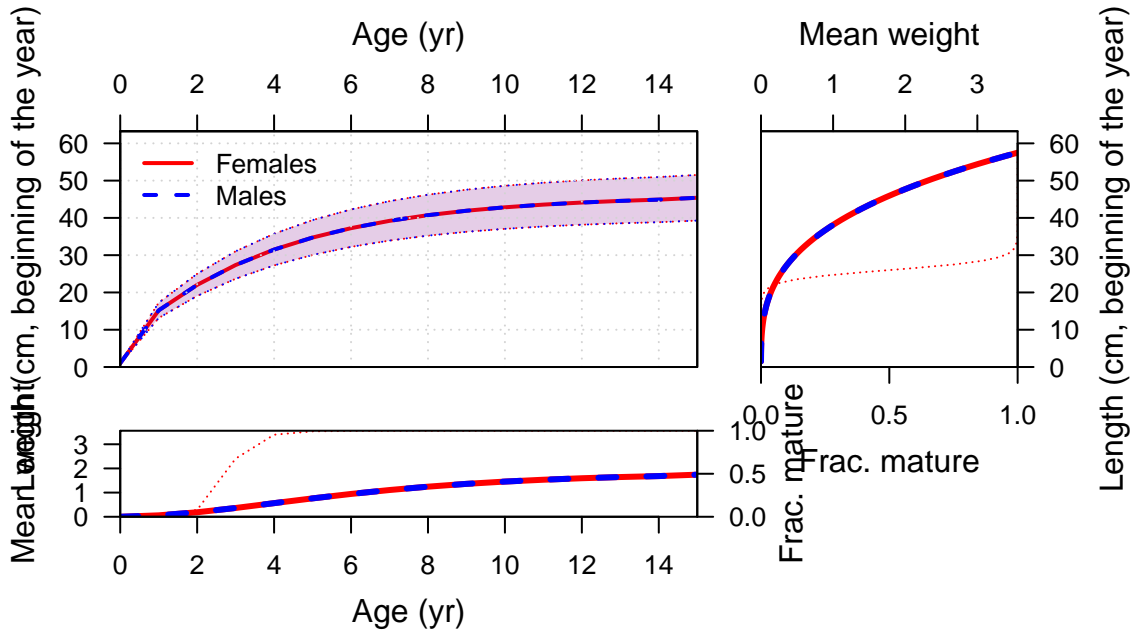


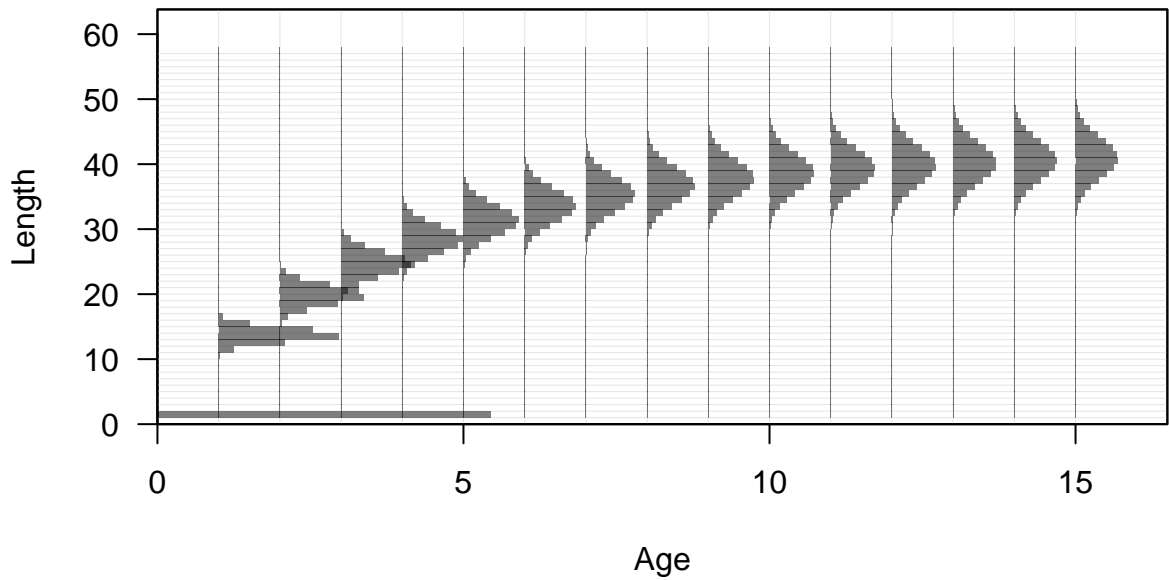
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Jan 10 11:29:10 2023  
Data\_File: data.ss  
Control\_File: control.ss

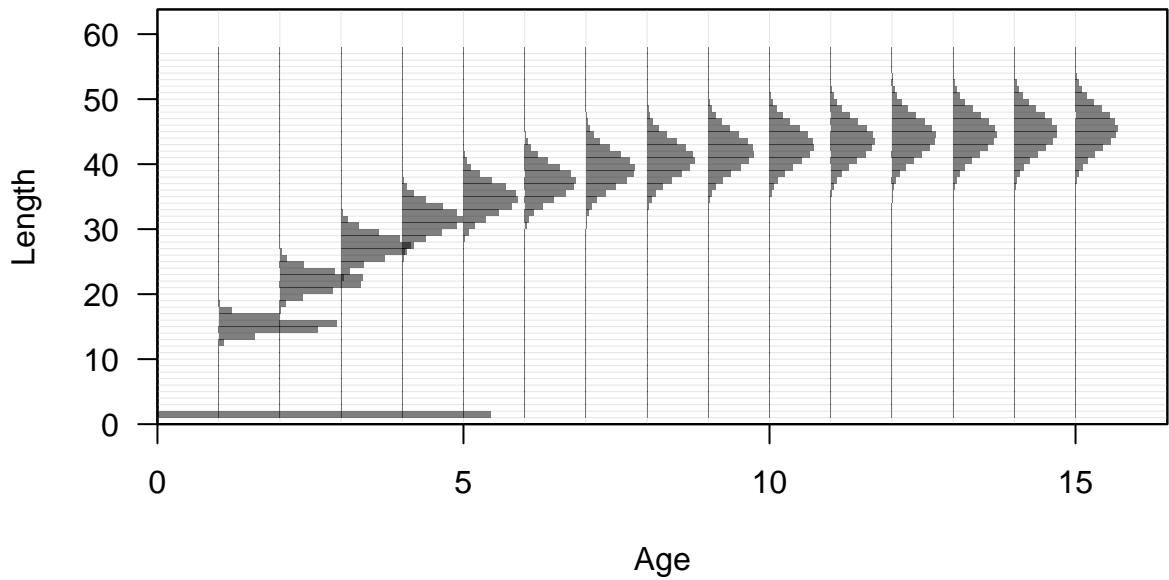
Length (cm, beginning of the year)

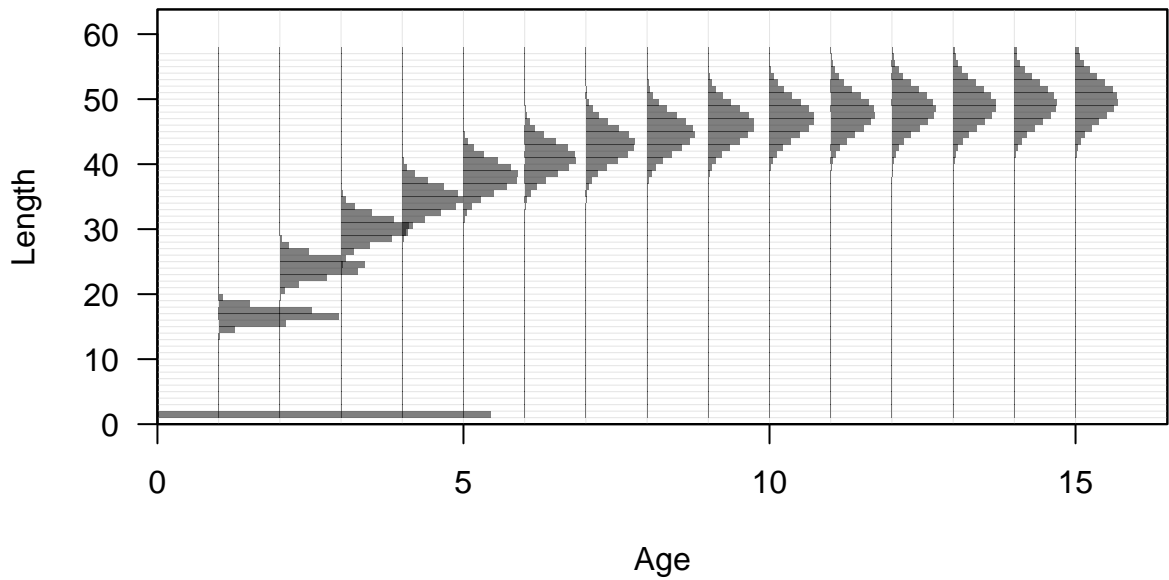


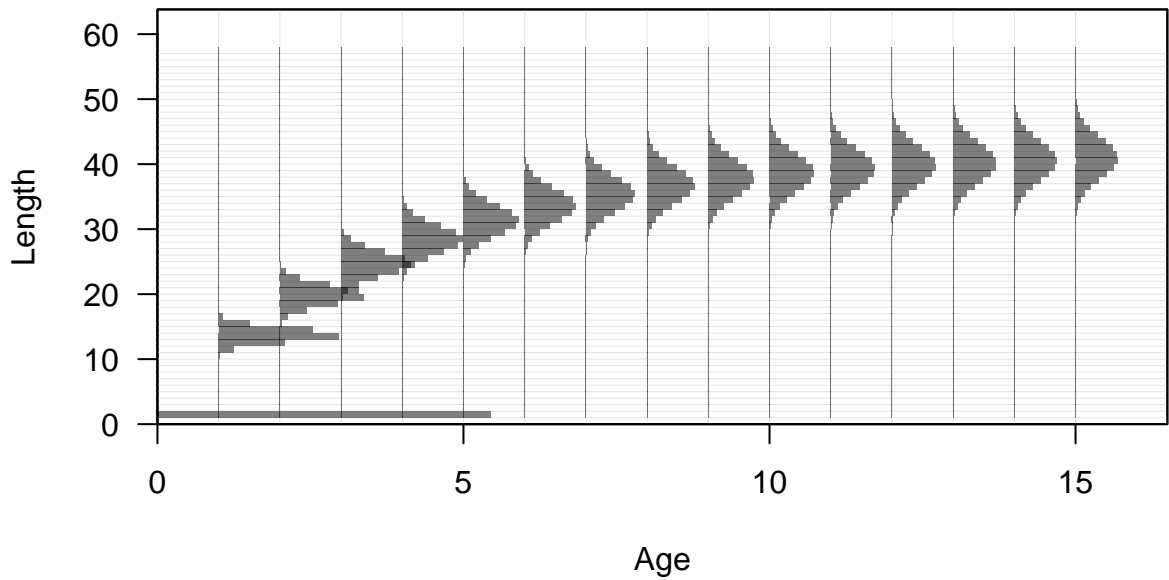




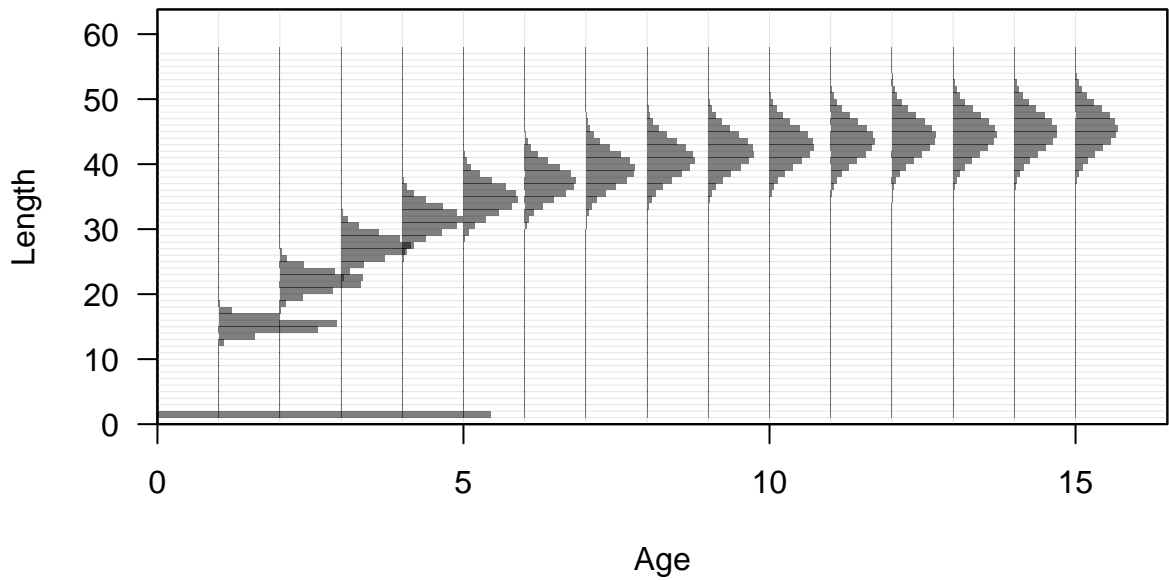


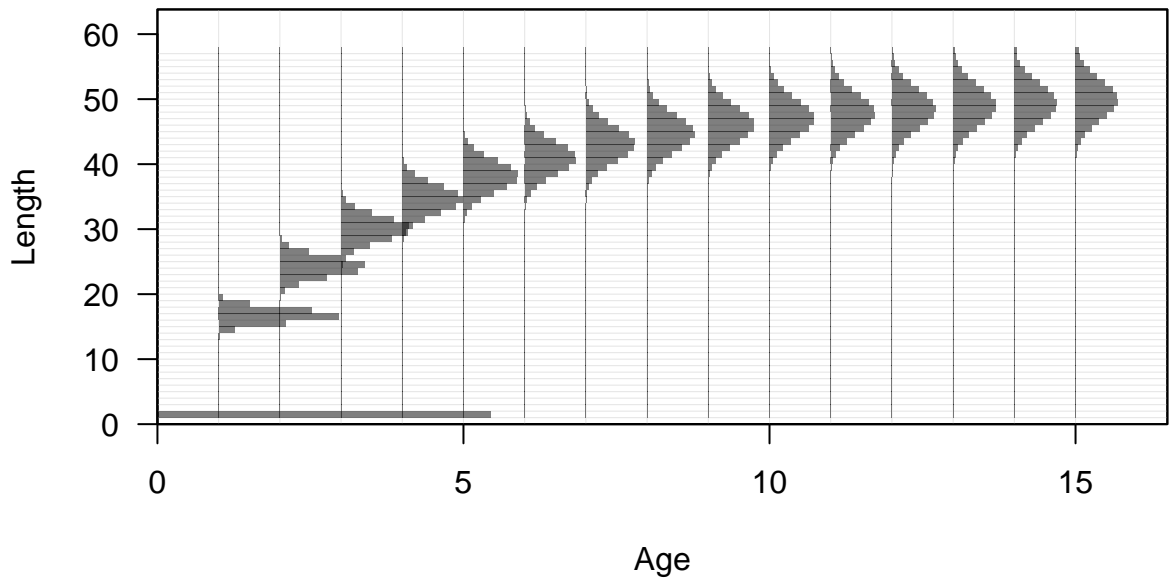


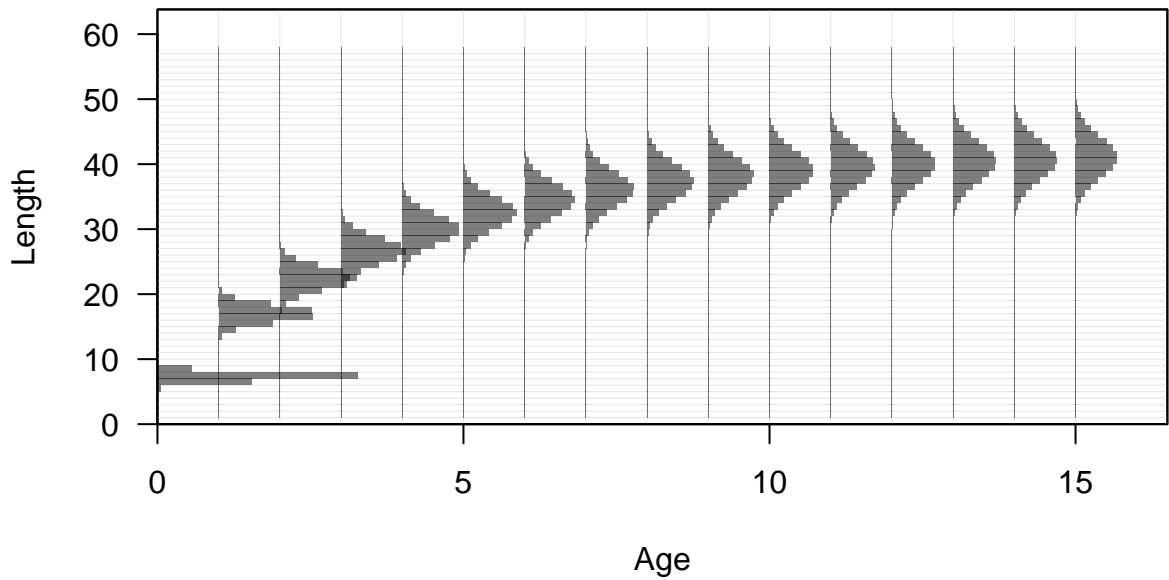


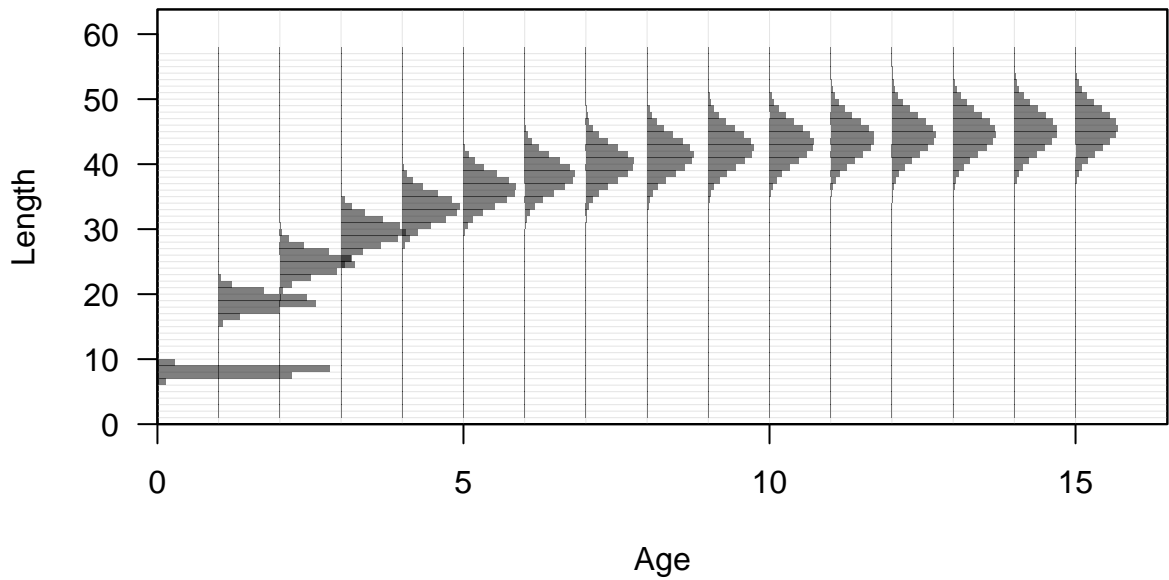


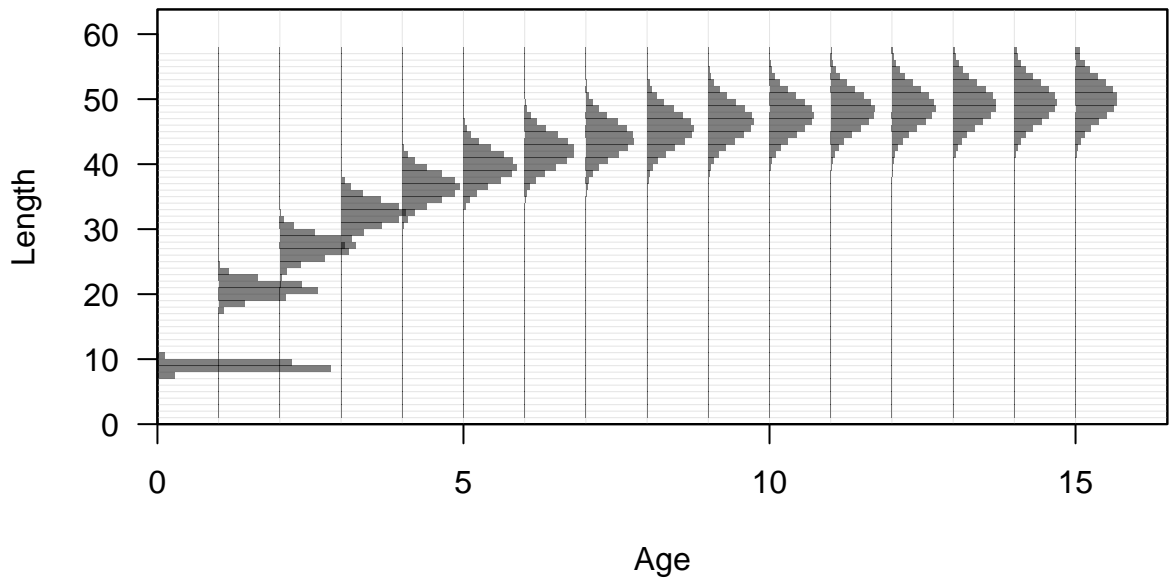


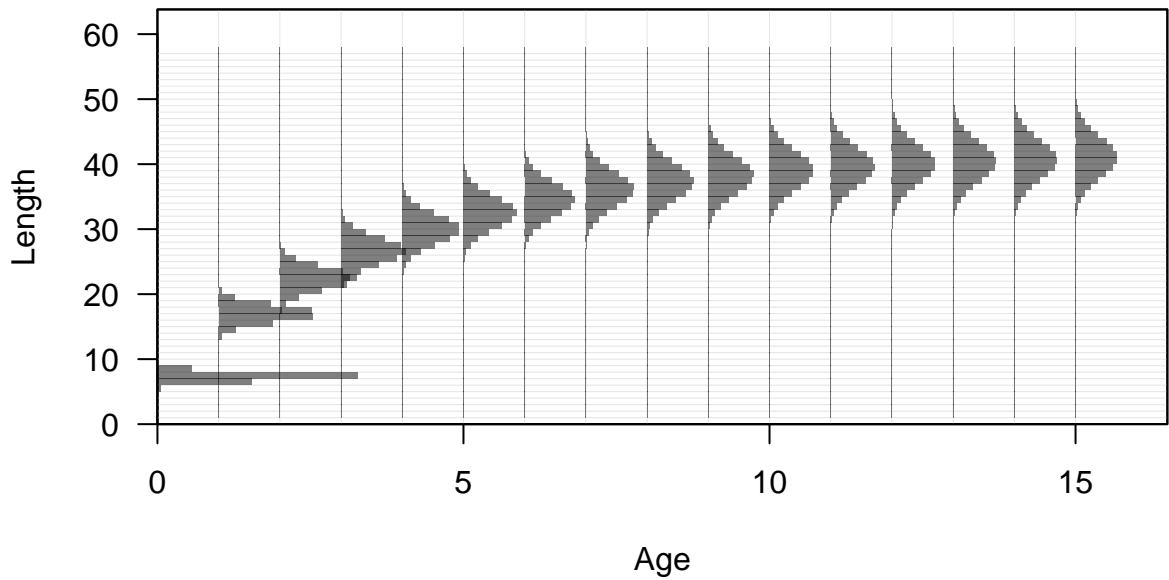


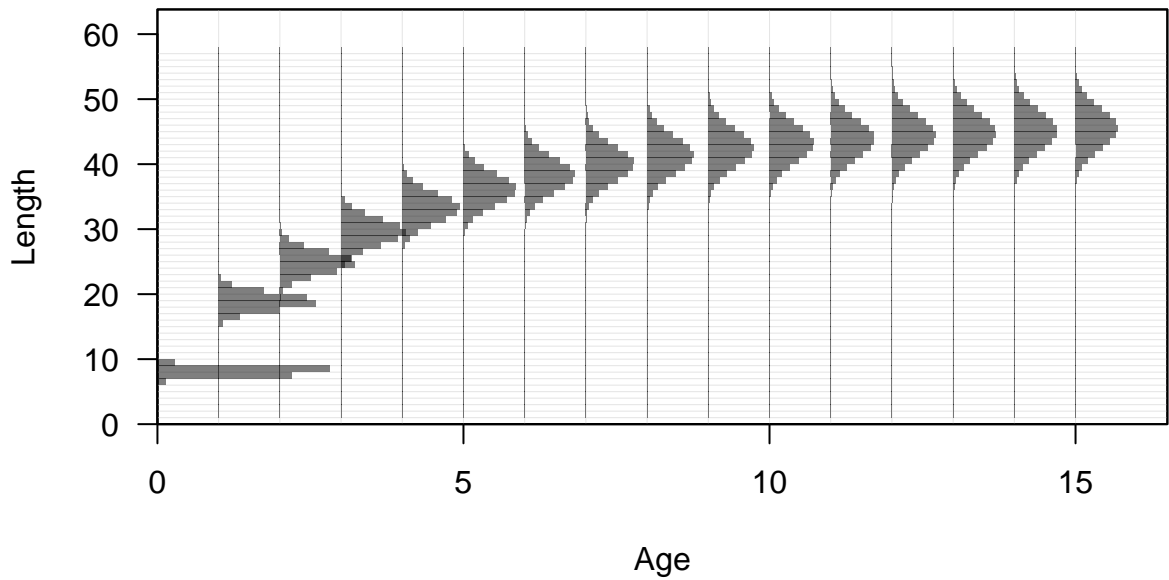


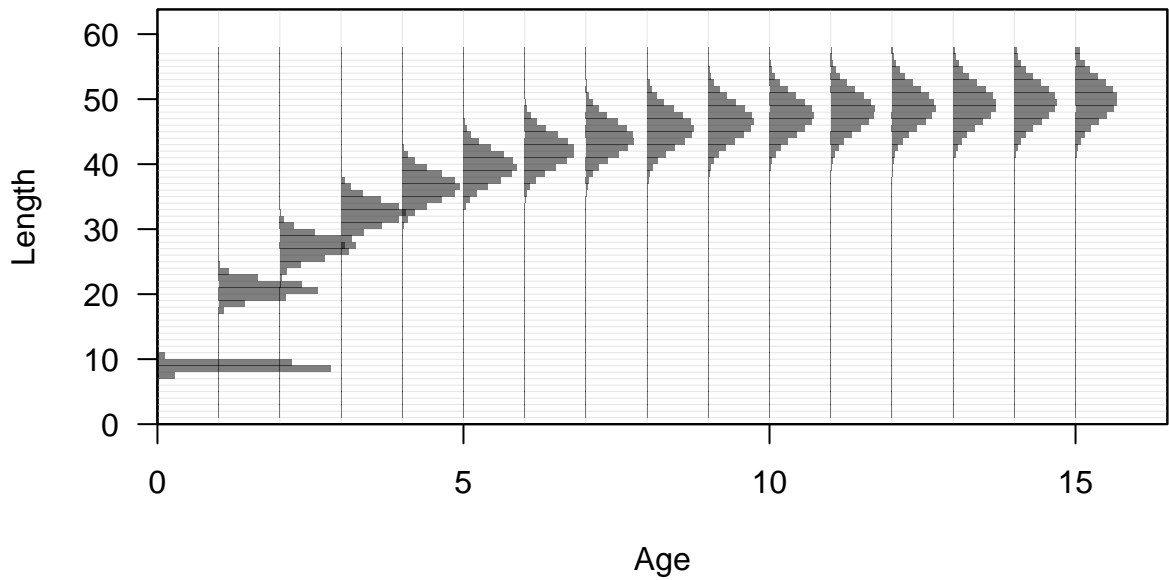










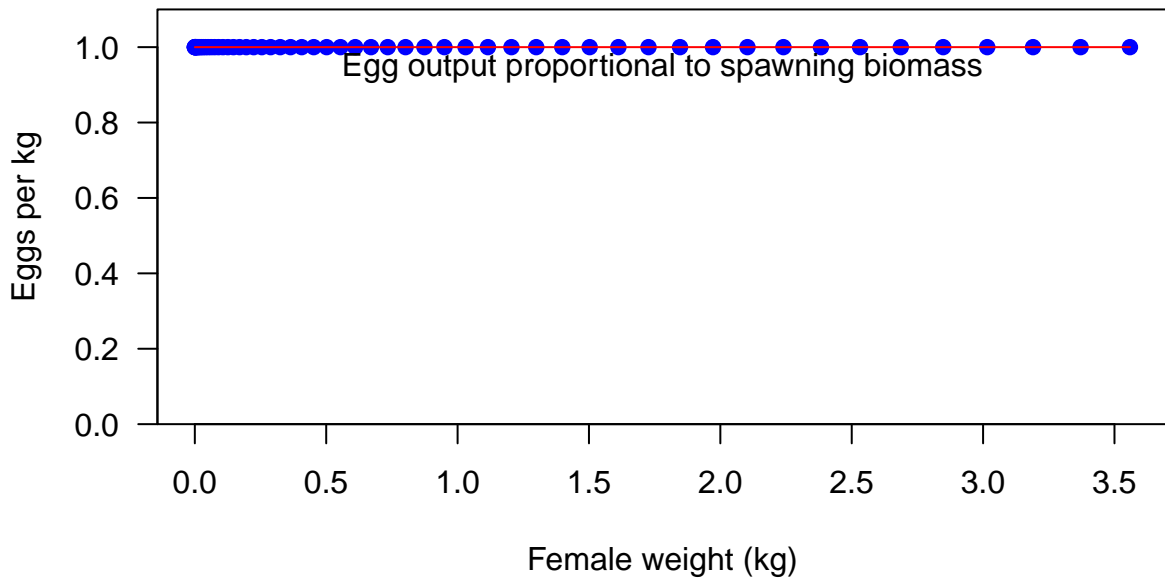












Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

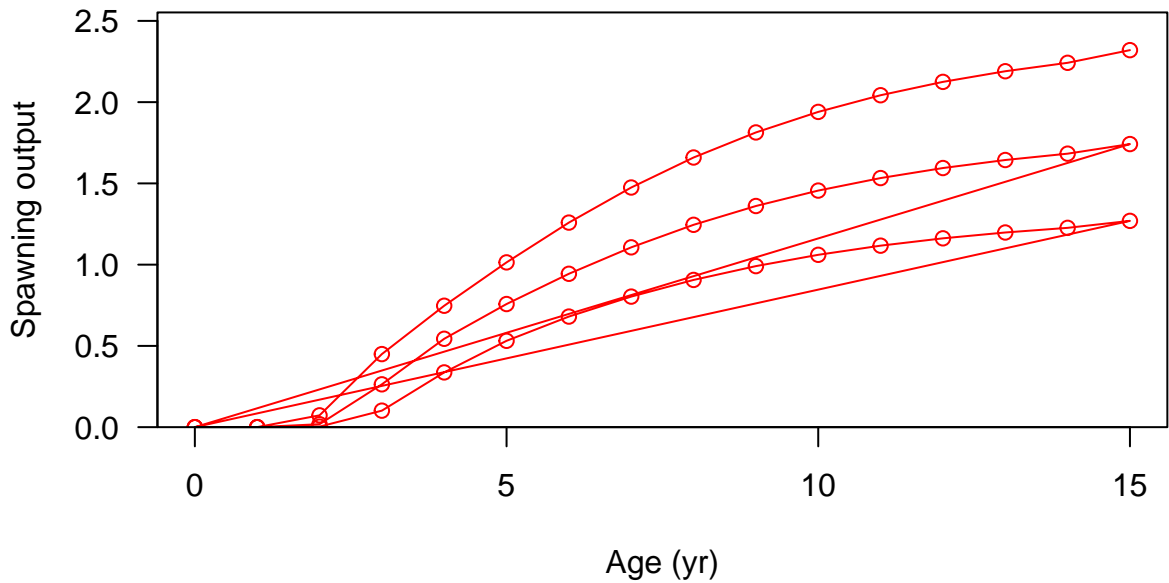
30

40

50

Length (cm)



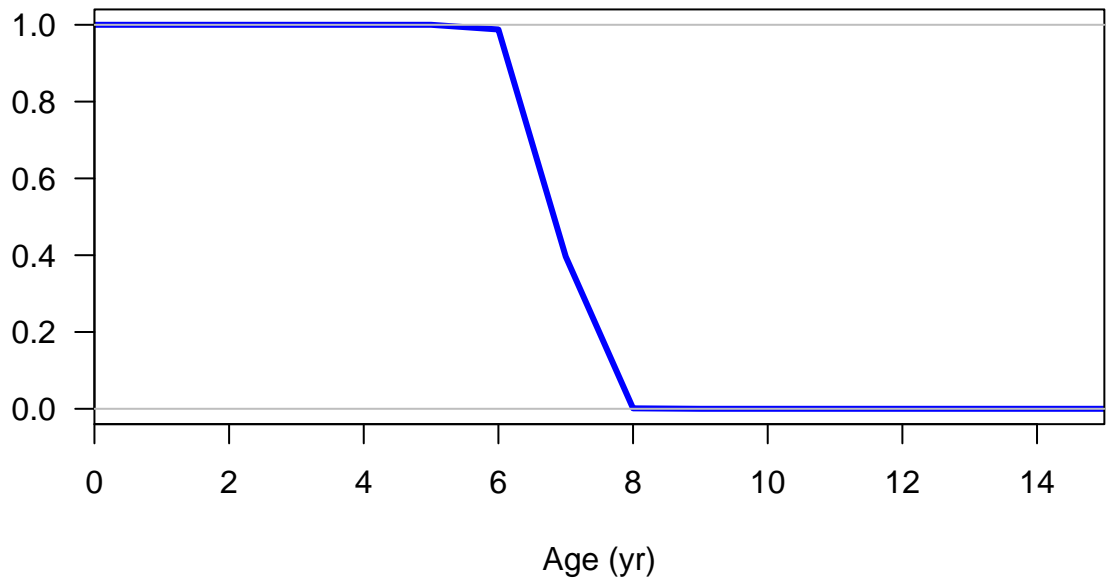




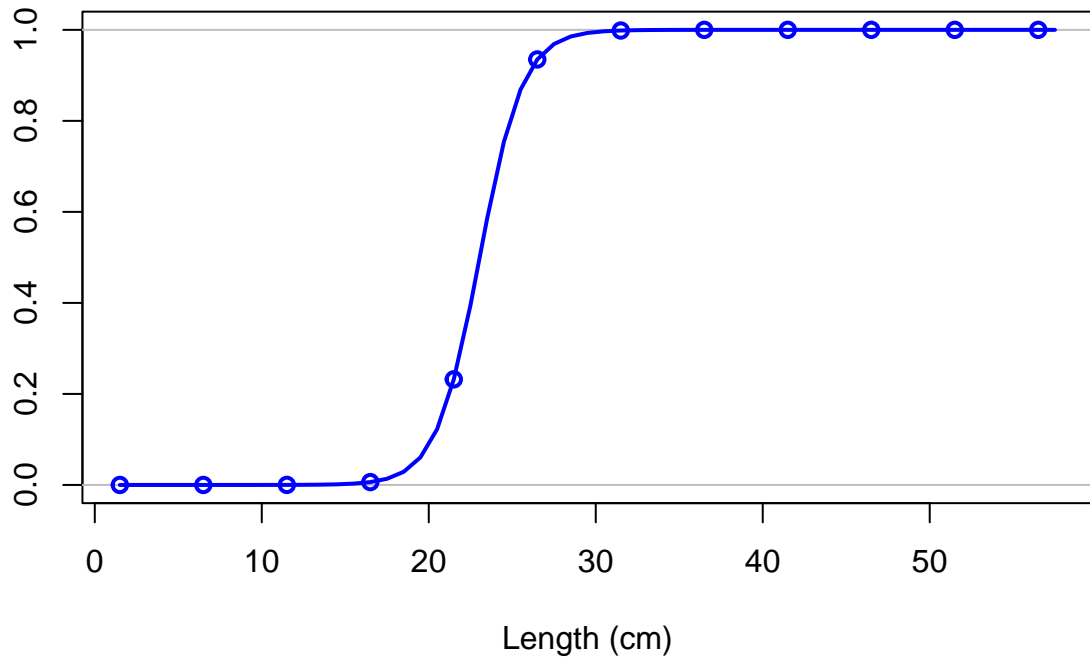
Hermaphroditism transition rate



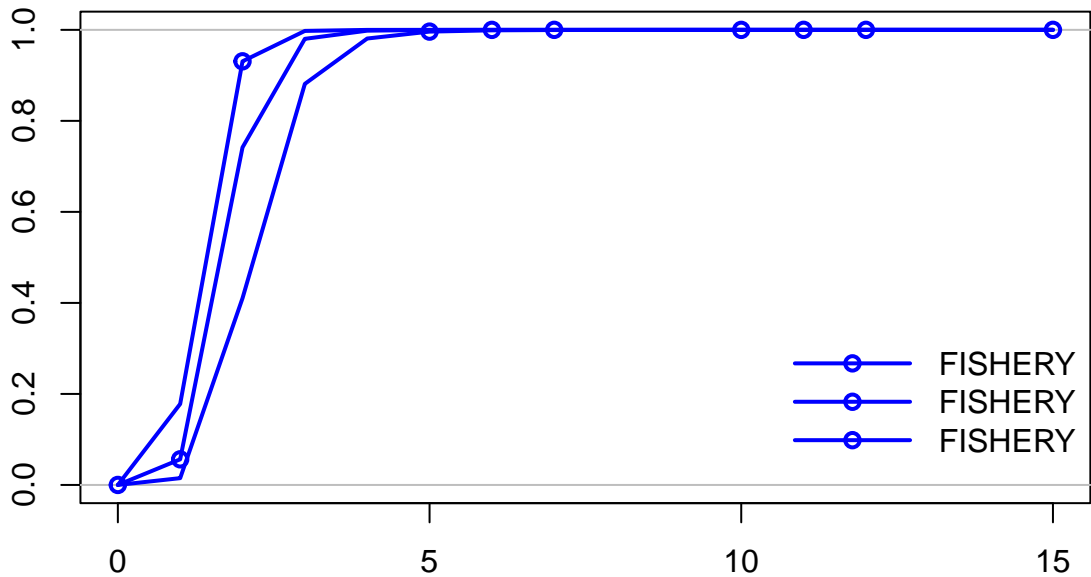
Fraction females by age at equilibrium



Selectivity

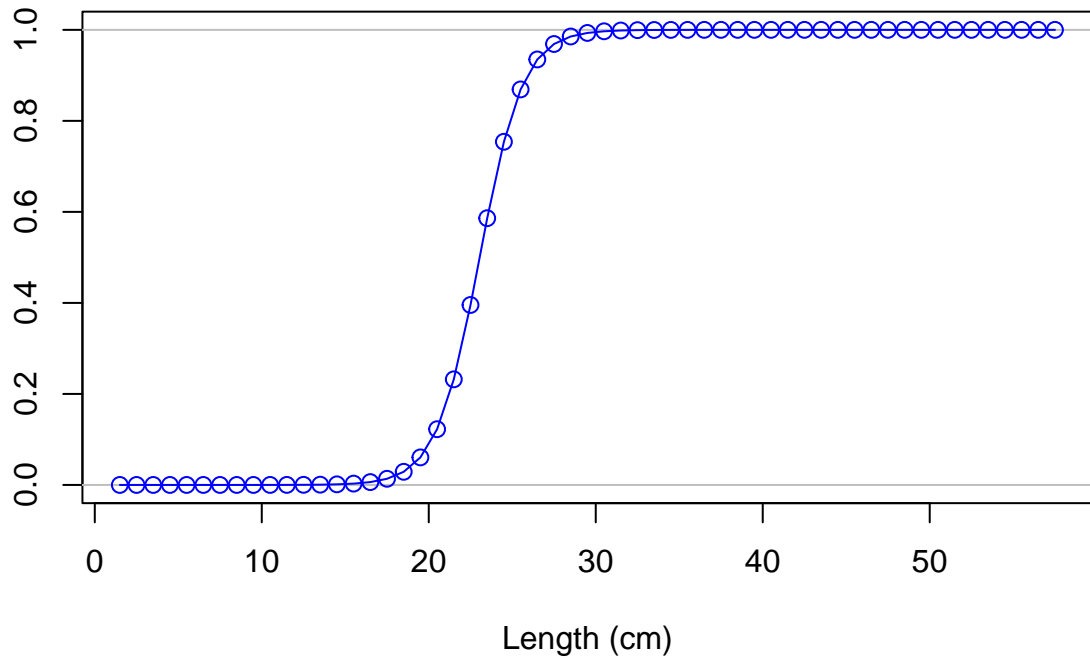


Selectivity

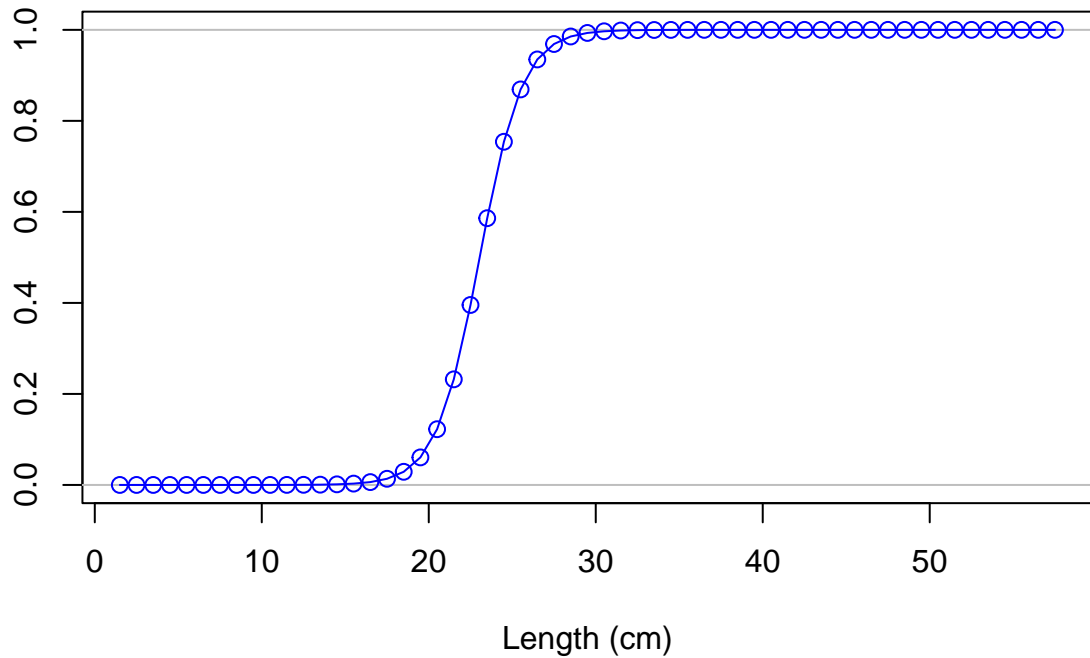


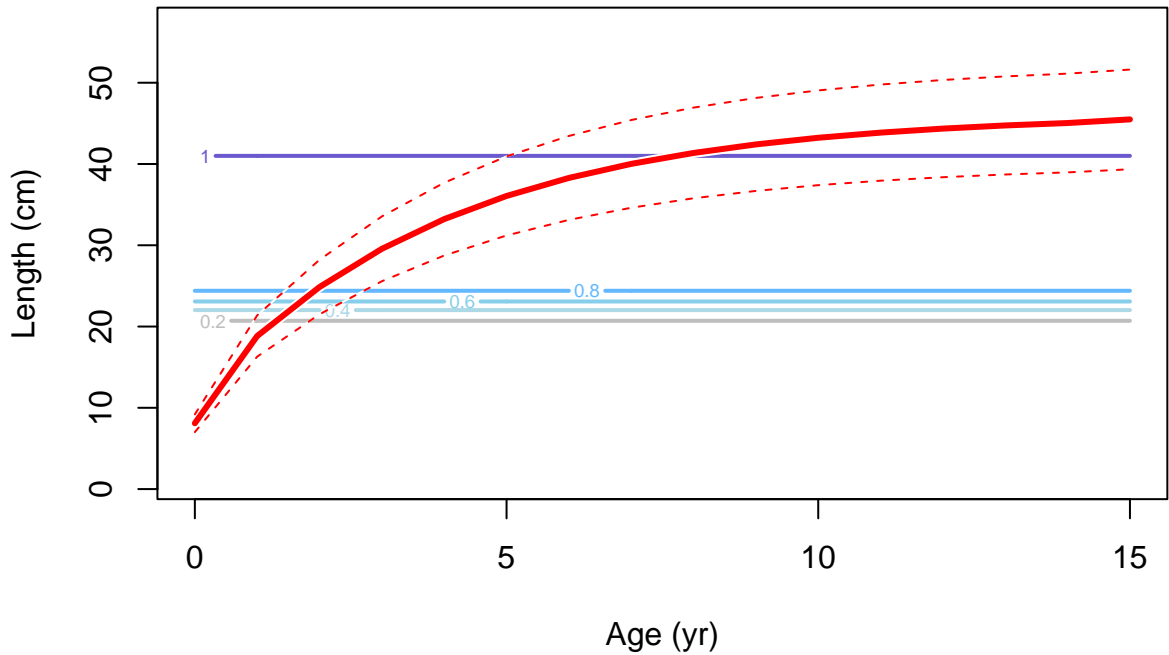
Age (yr)

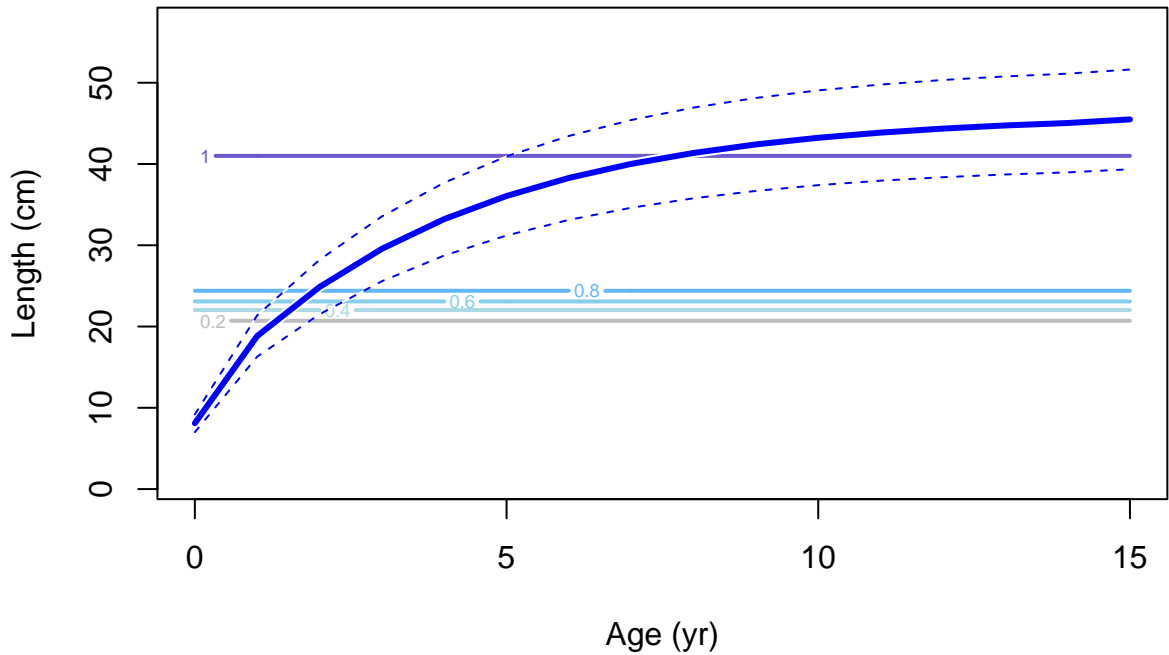
Selectivity



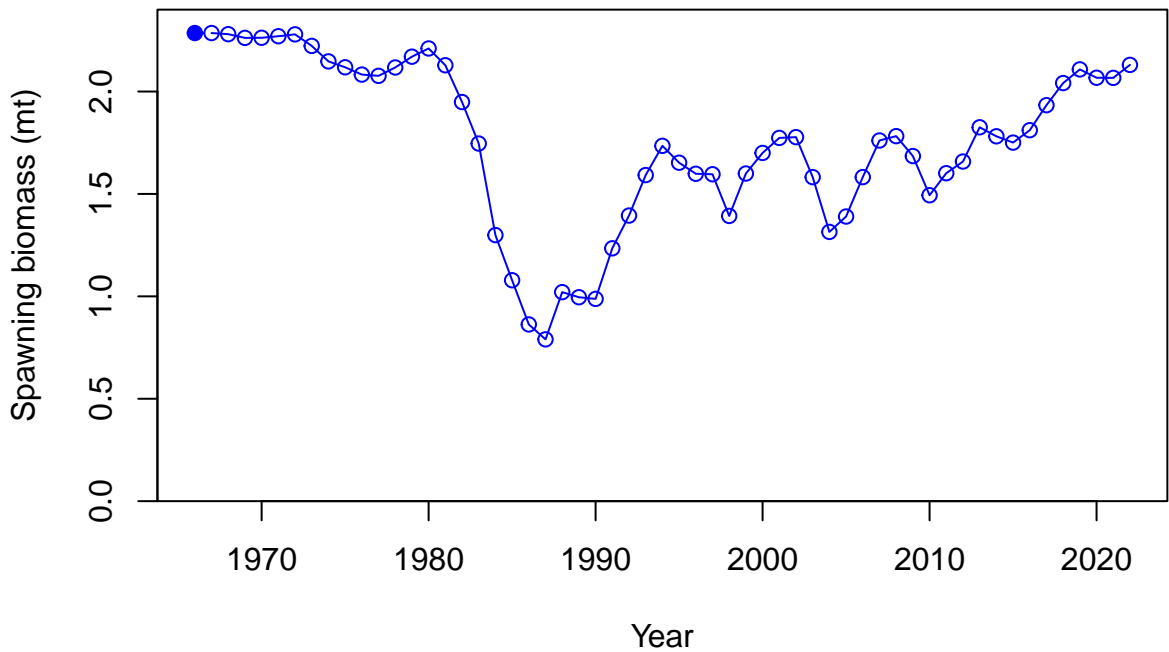
Selectivity



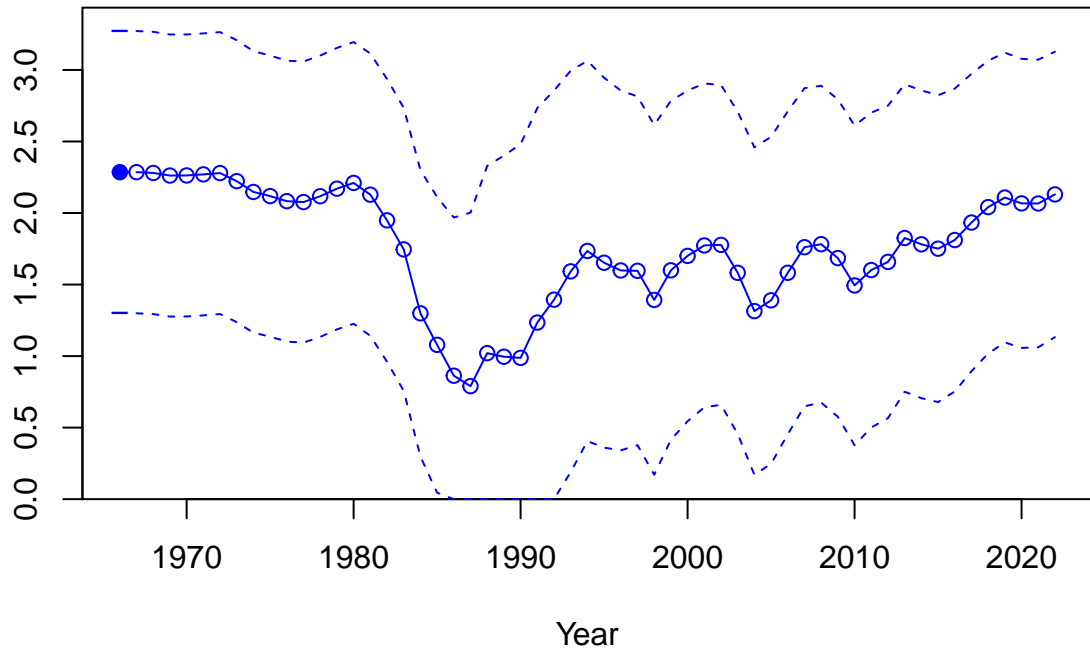




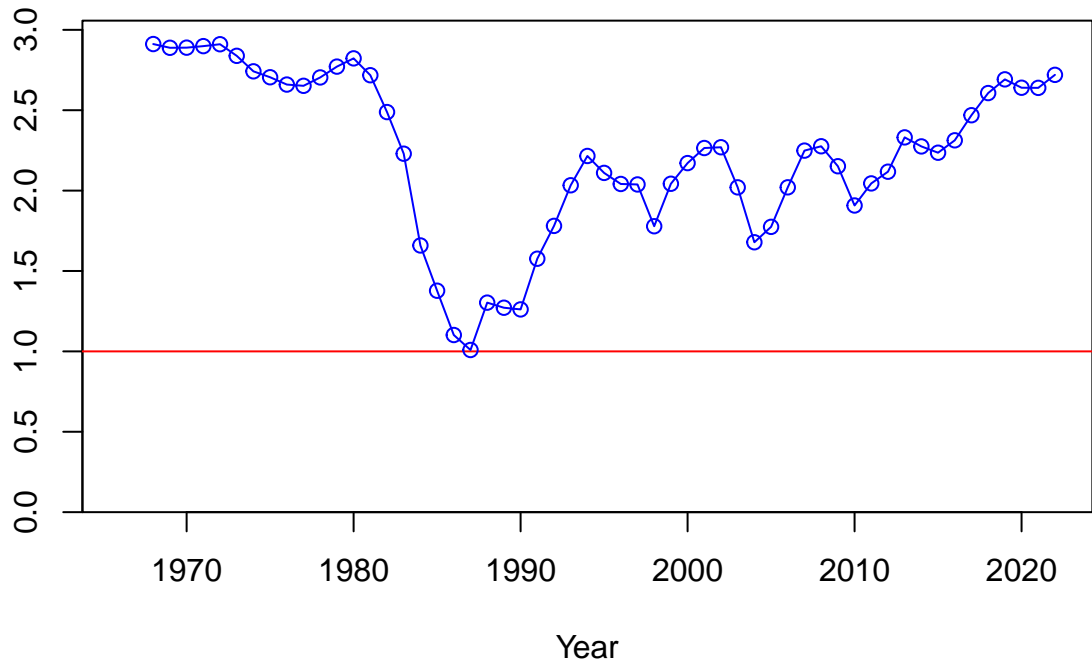




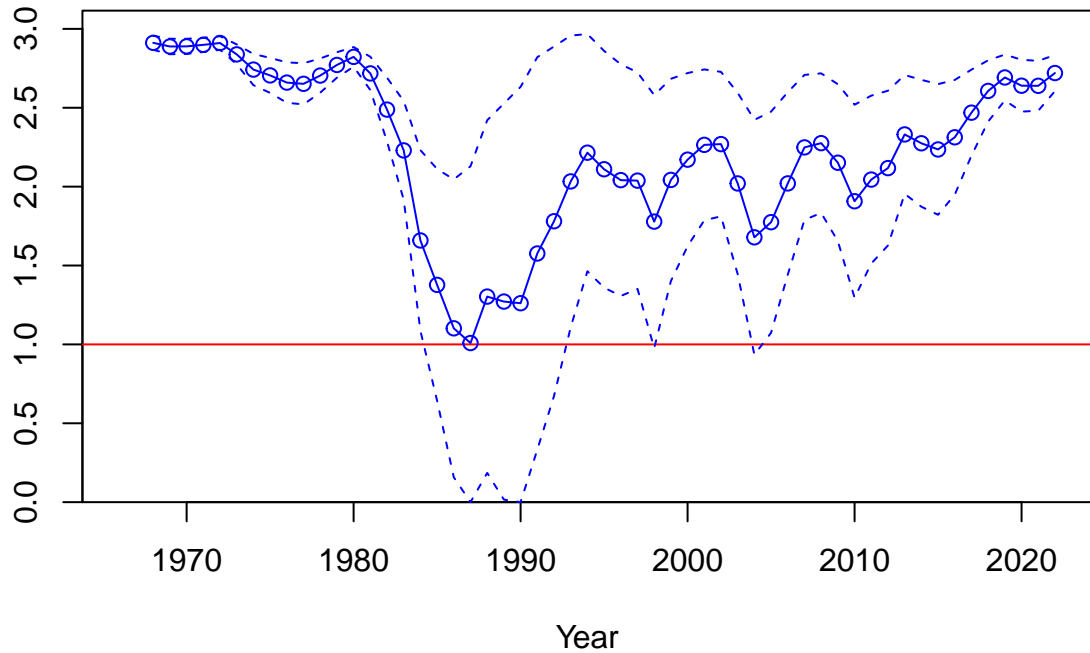
Spawning biomass (mt)

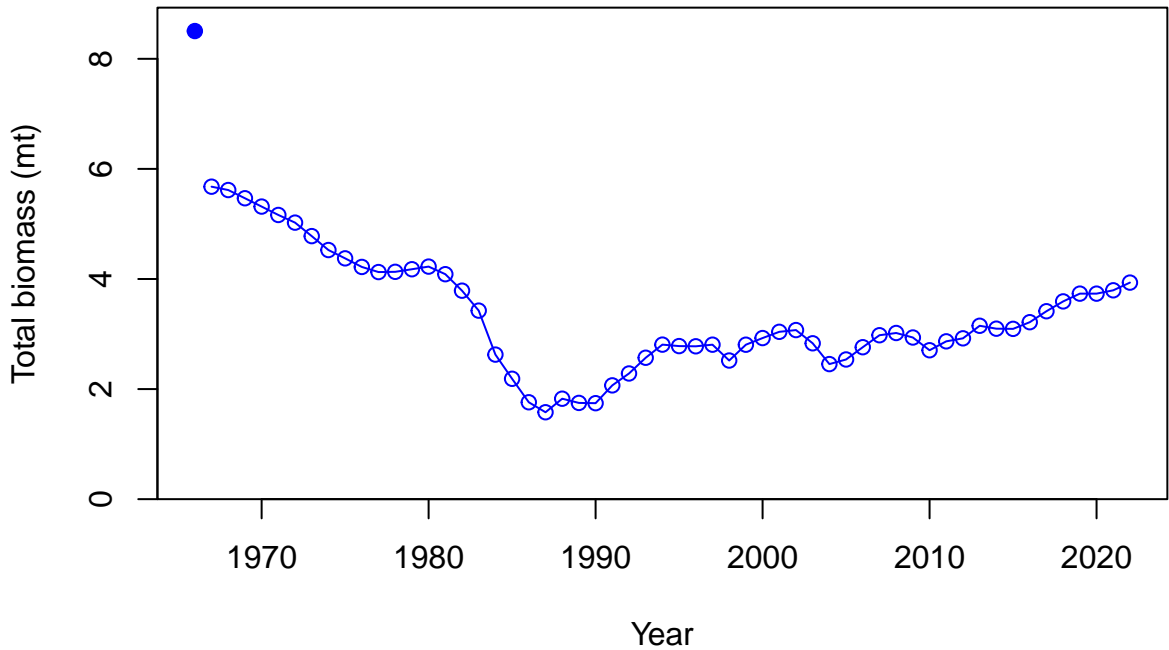


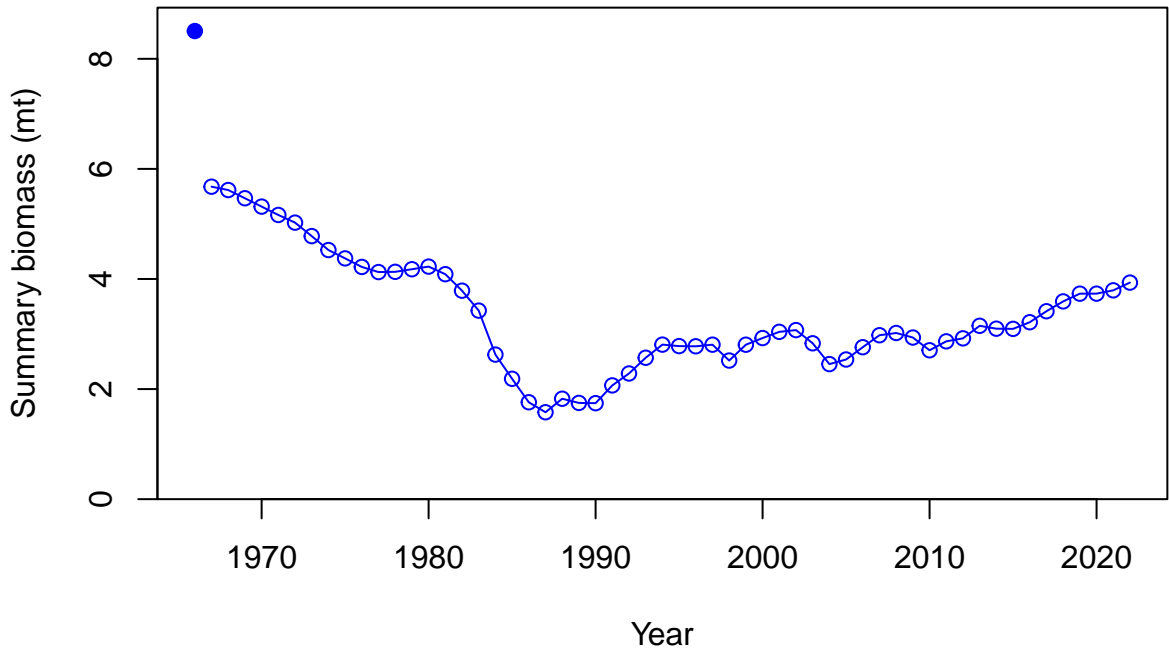
Relative spawning biomass:  $B/B_{MSY}$



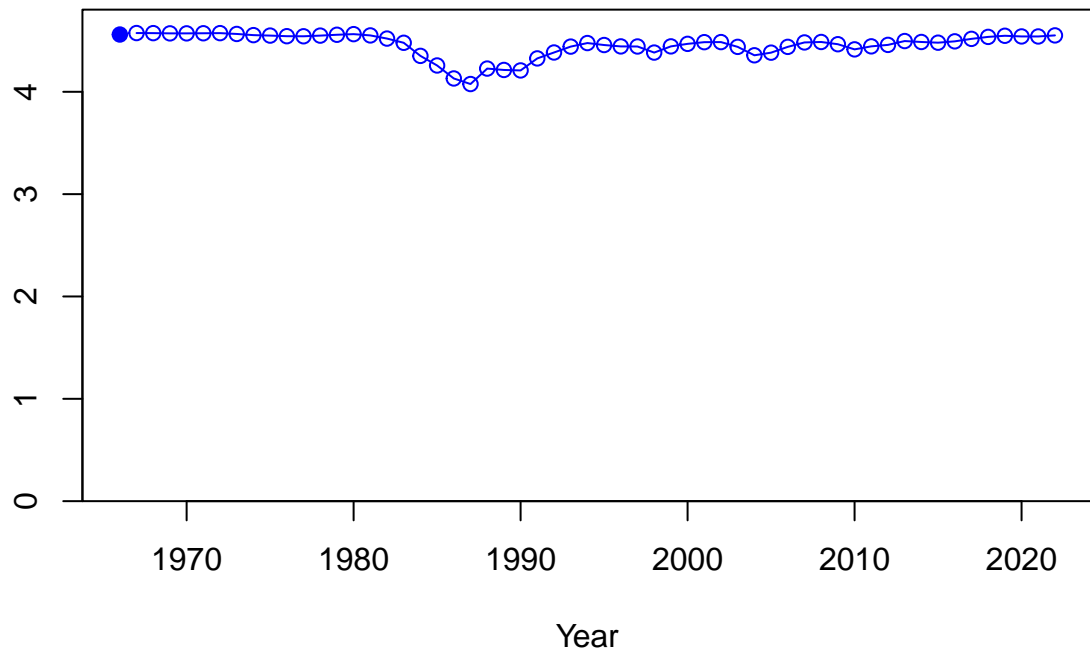
Relative spawning biomass: B/B\_MSY



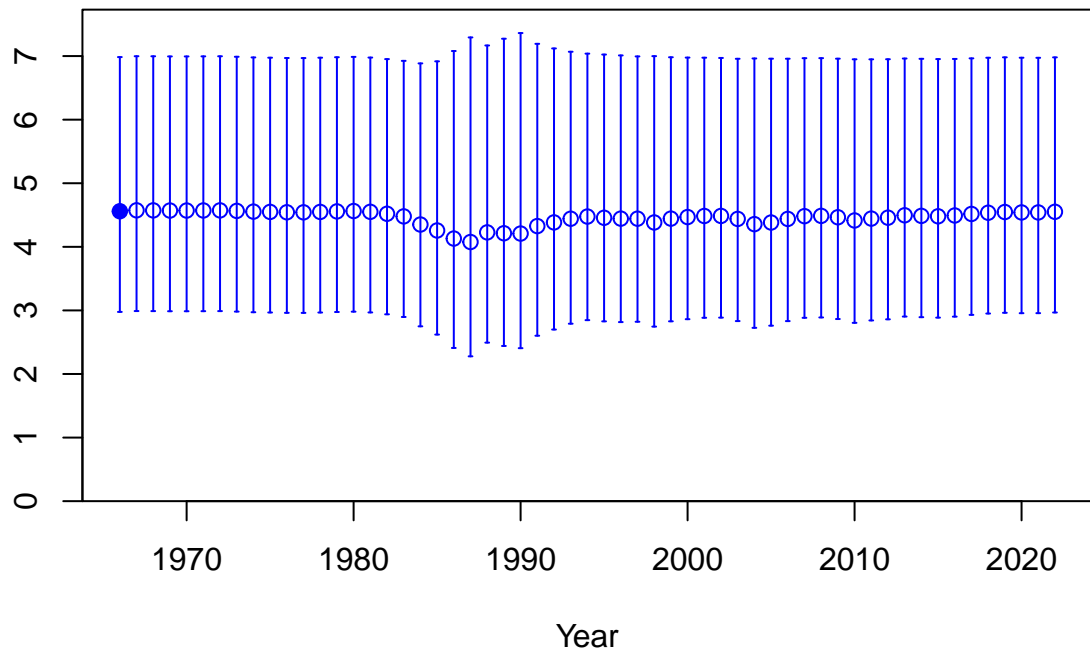




Age-0 recruits (1,000s)

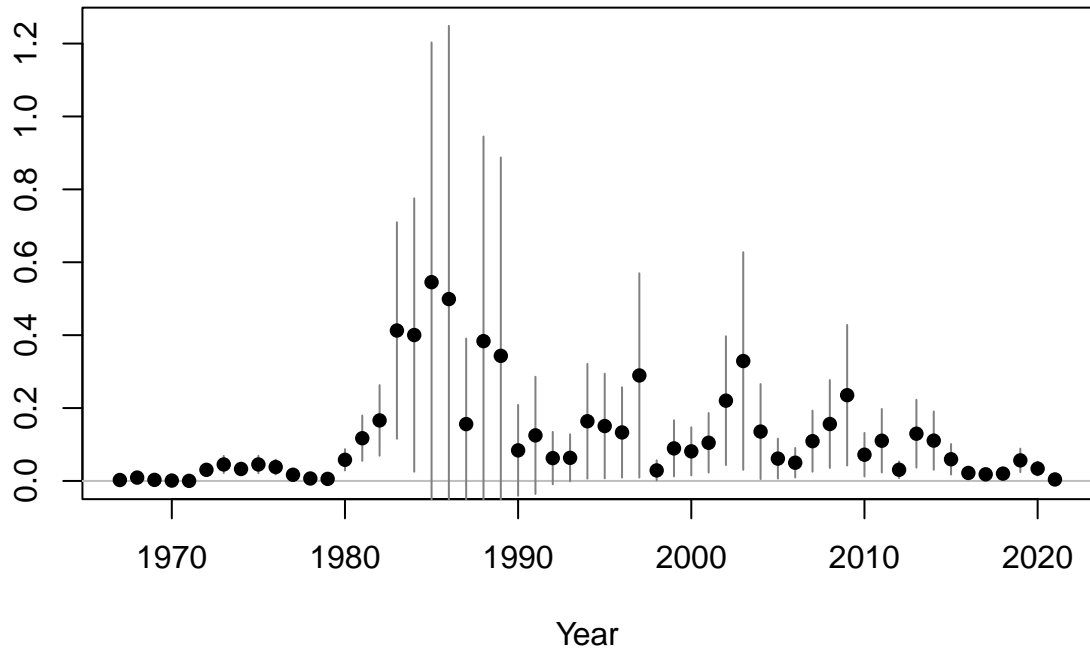


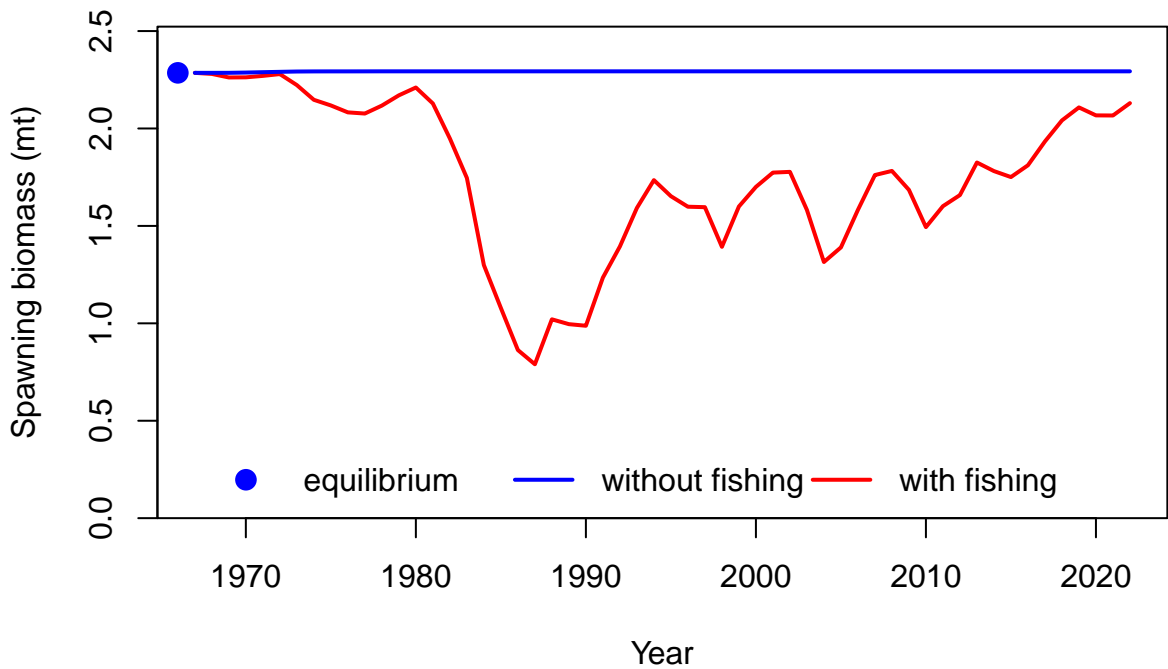
Age-0 recruits (1,000s)

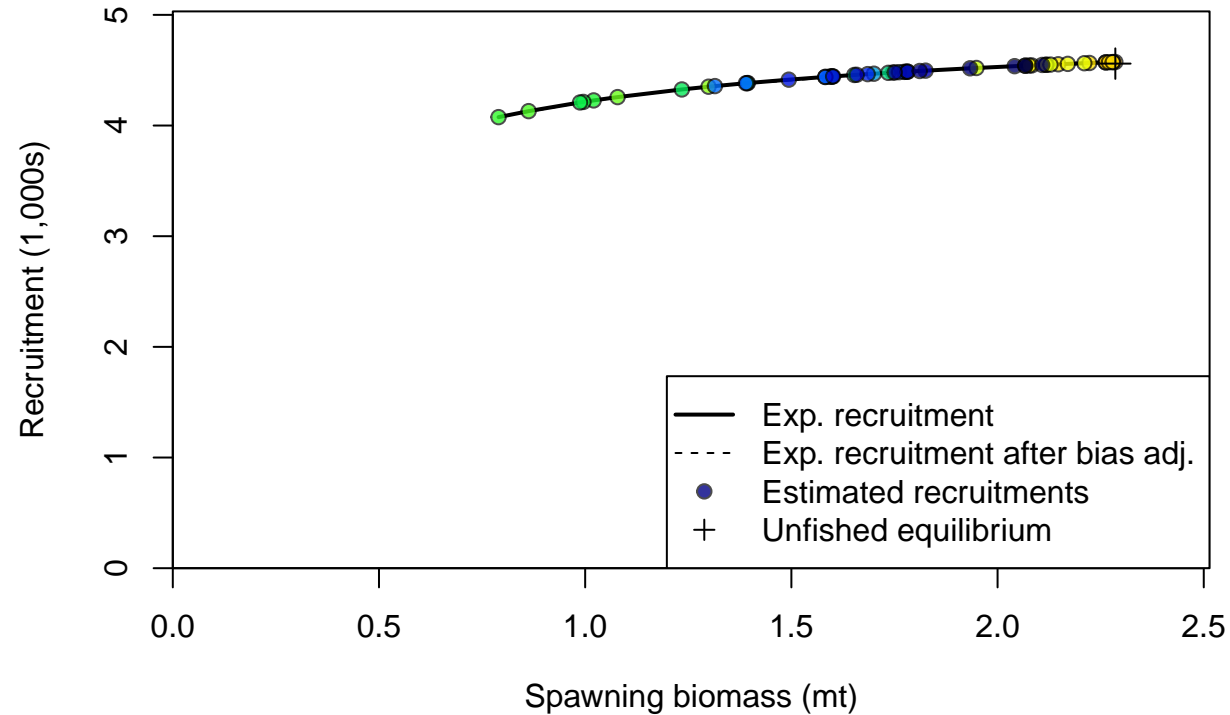




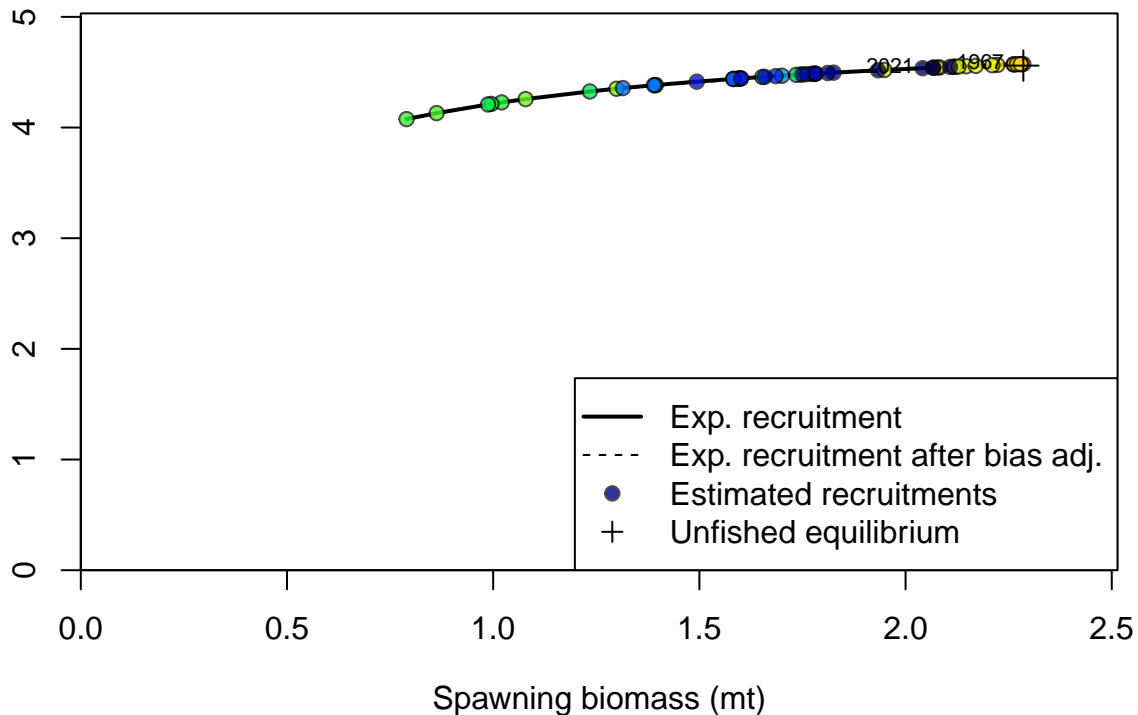
Summary Fishing Mortality

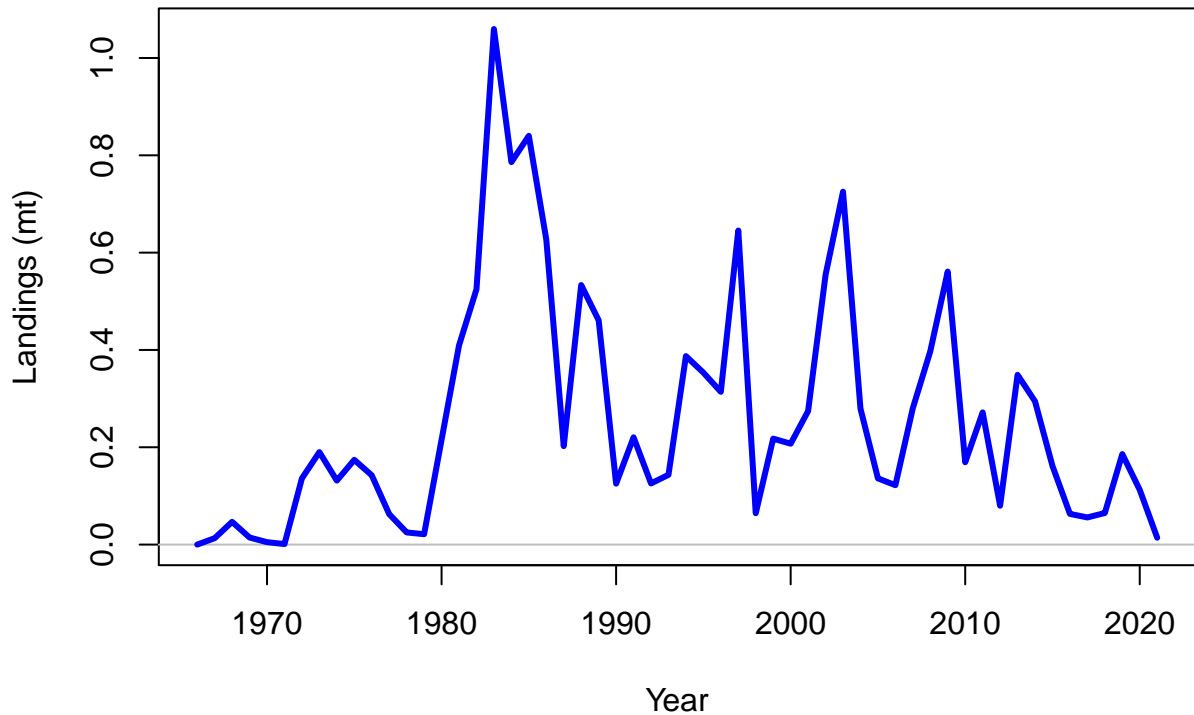


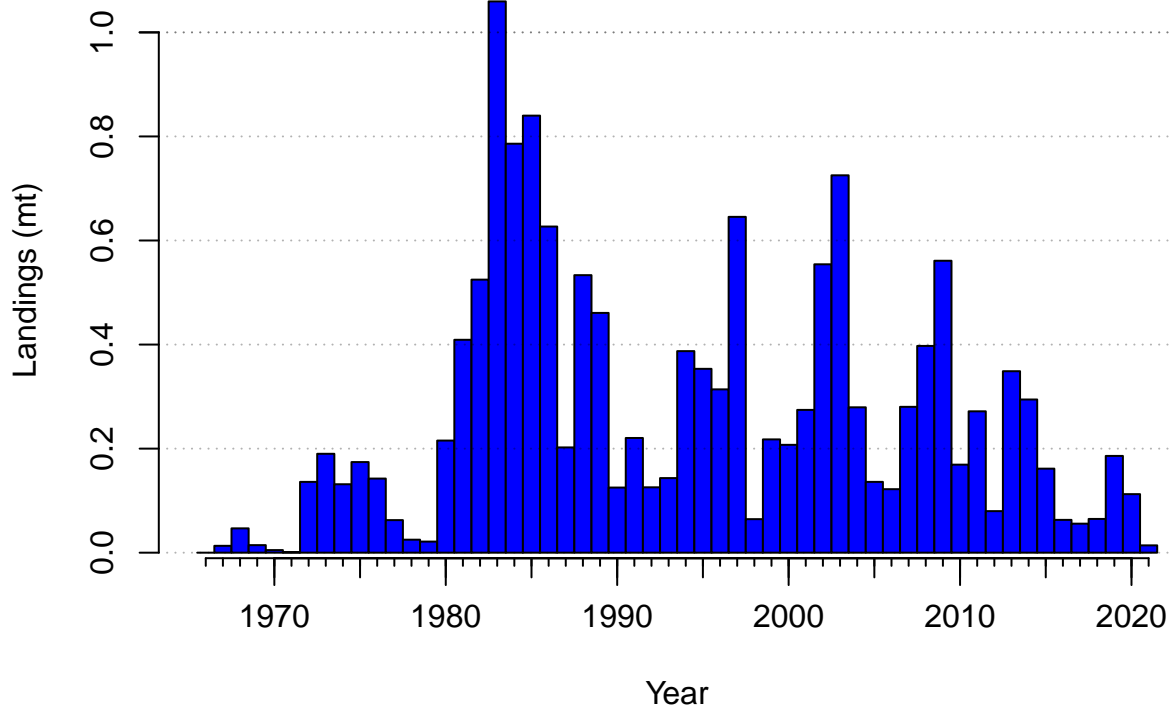


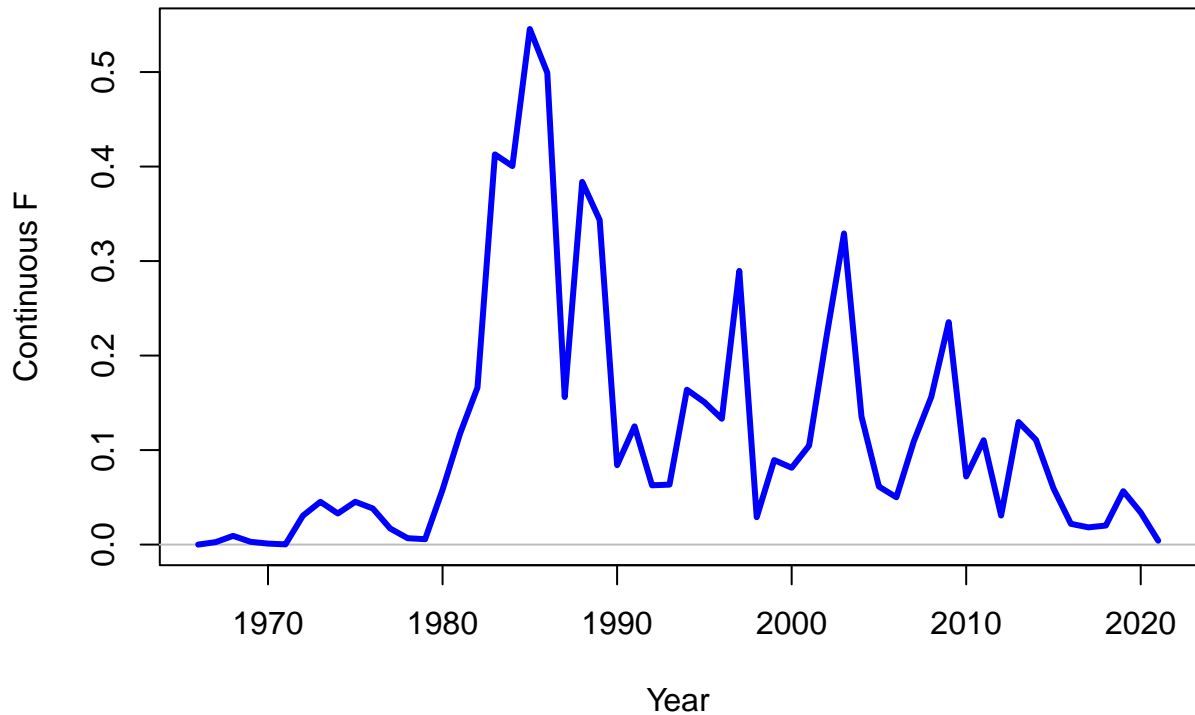


Recruitment (1,000s)

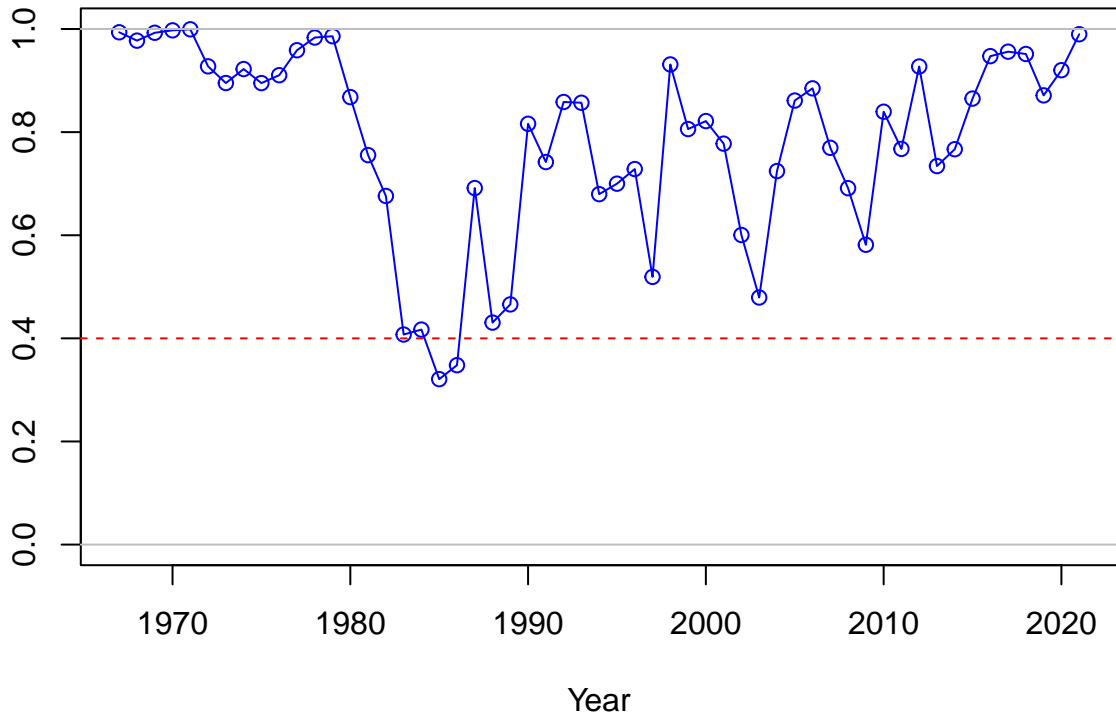






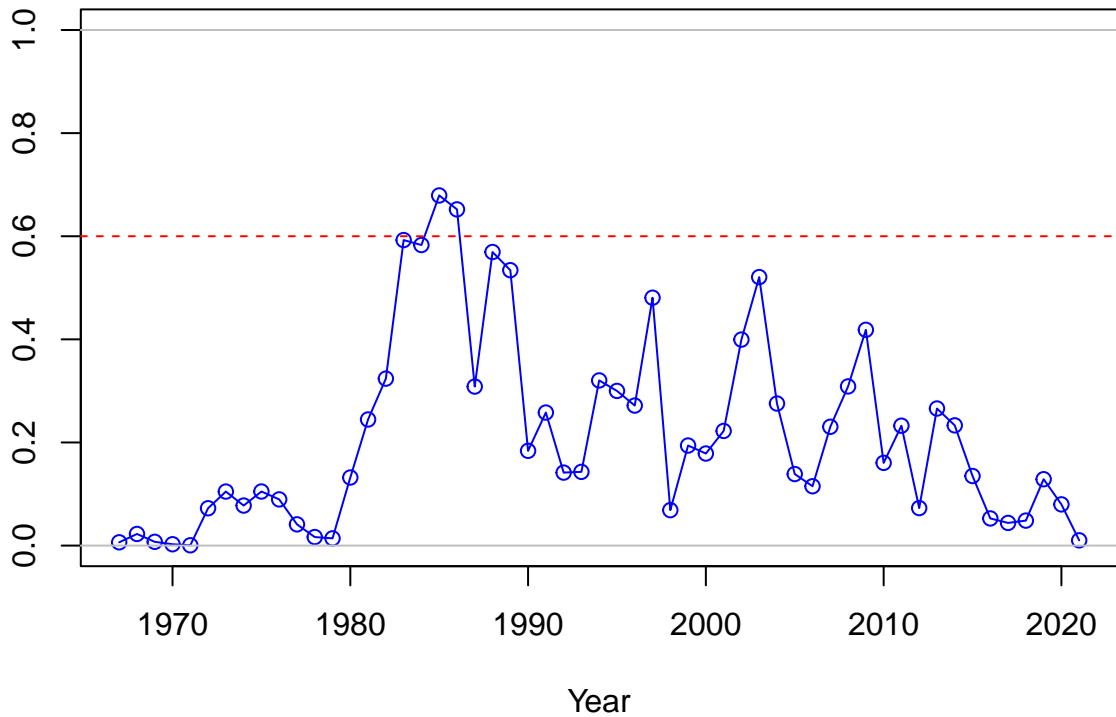


SPR

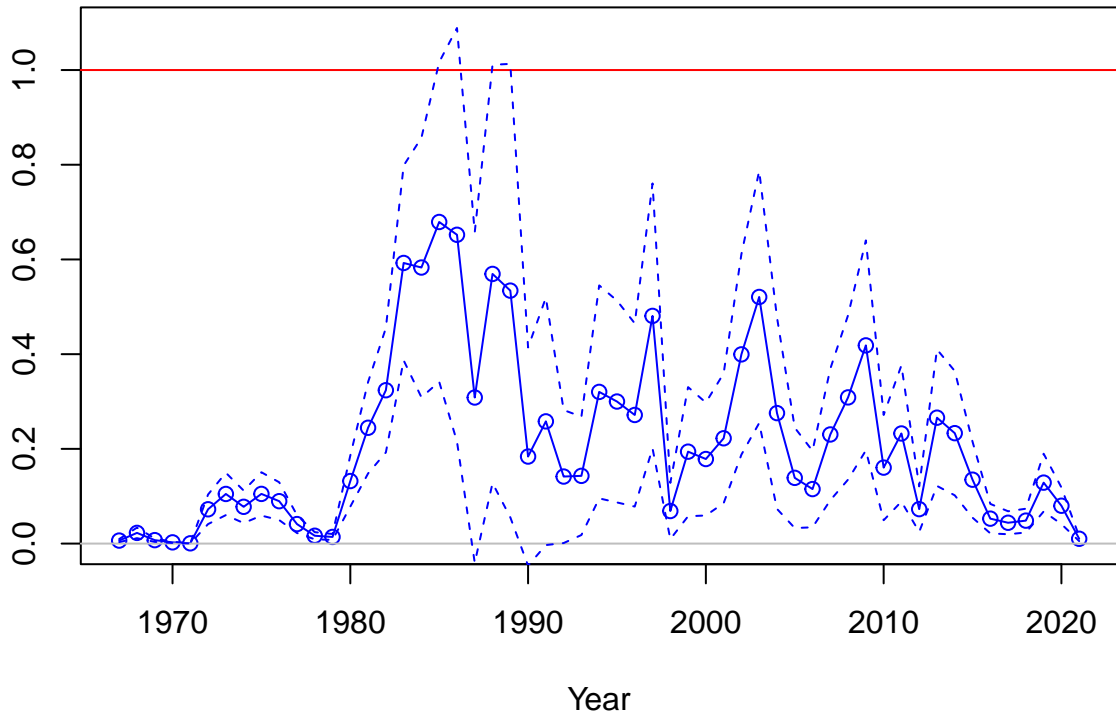




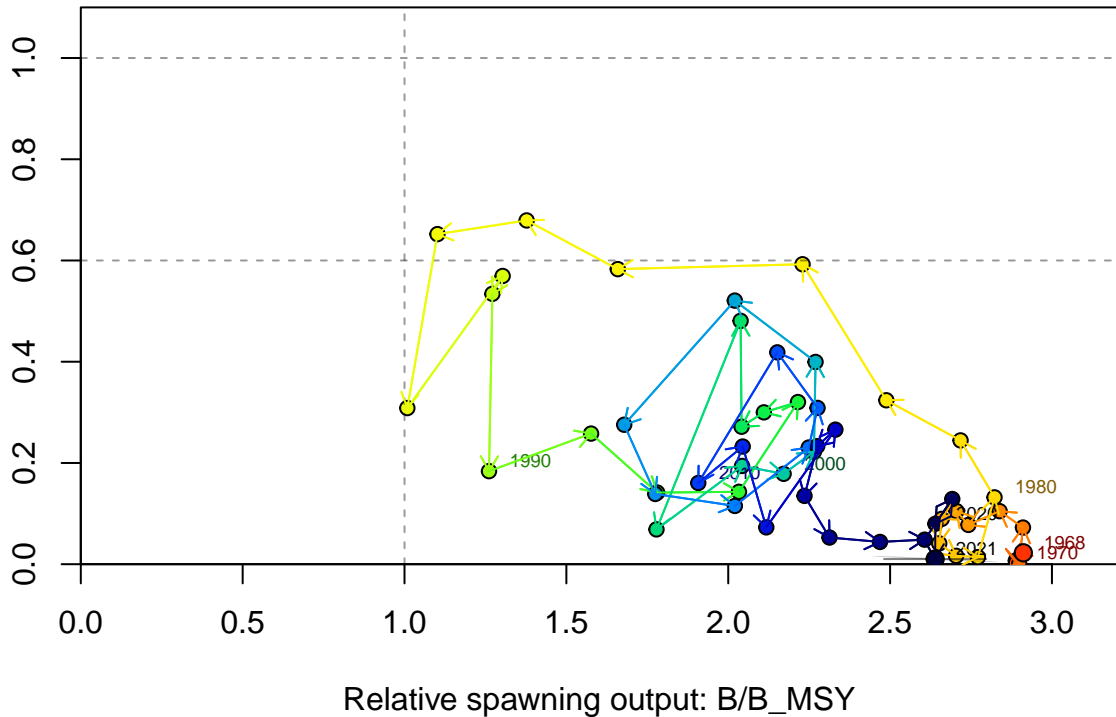
1-SPR



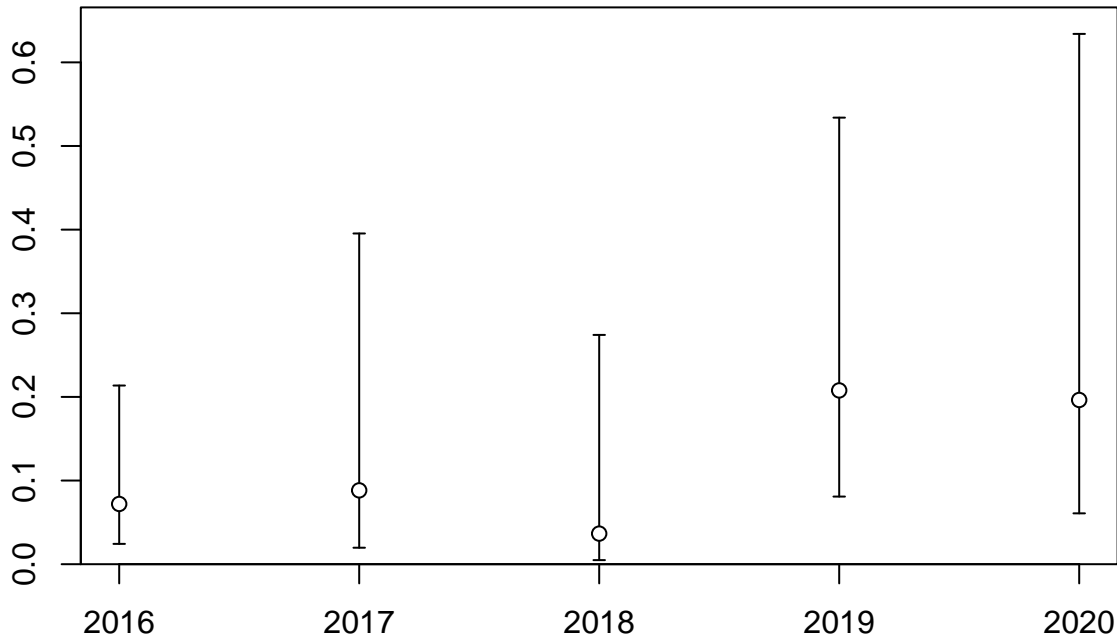
Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

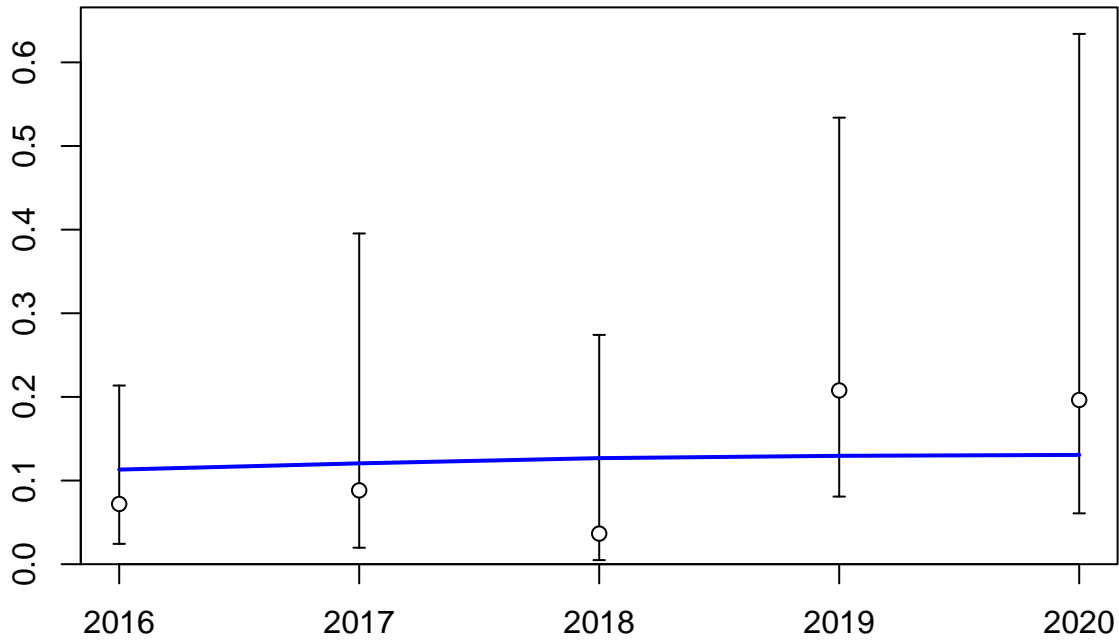


Index

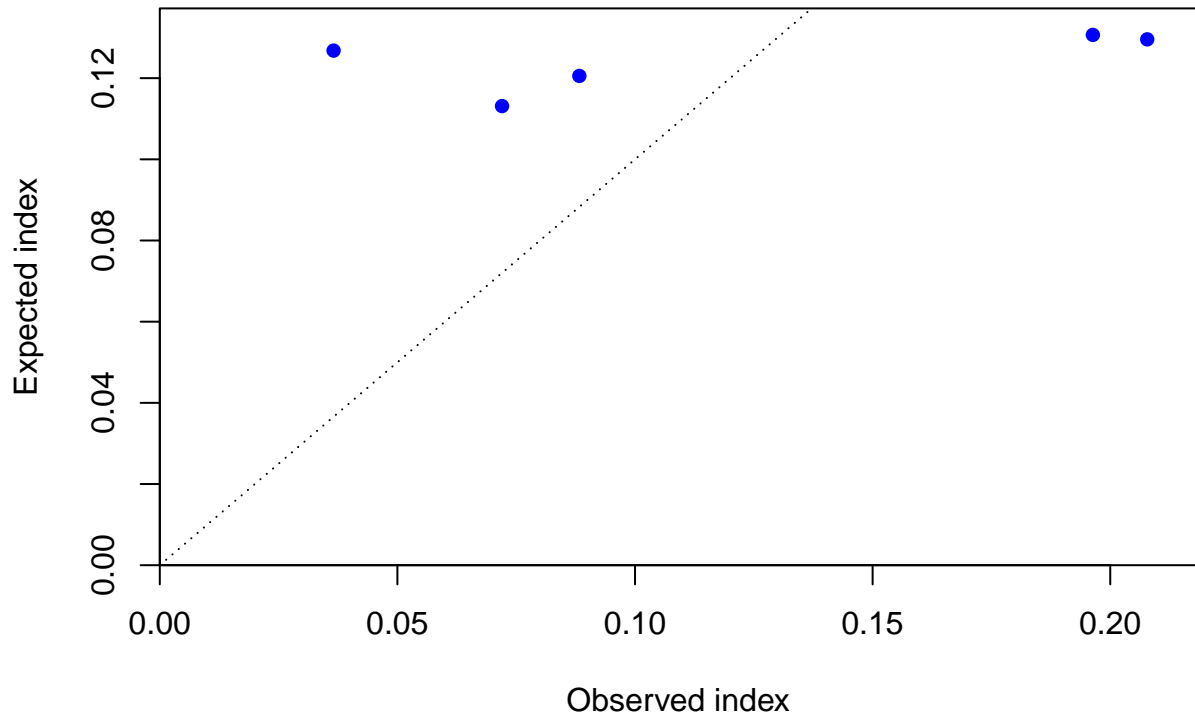


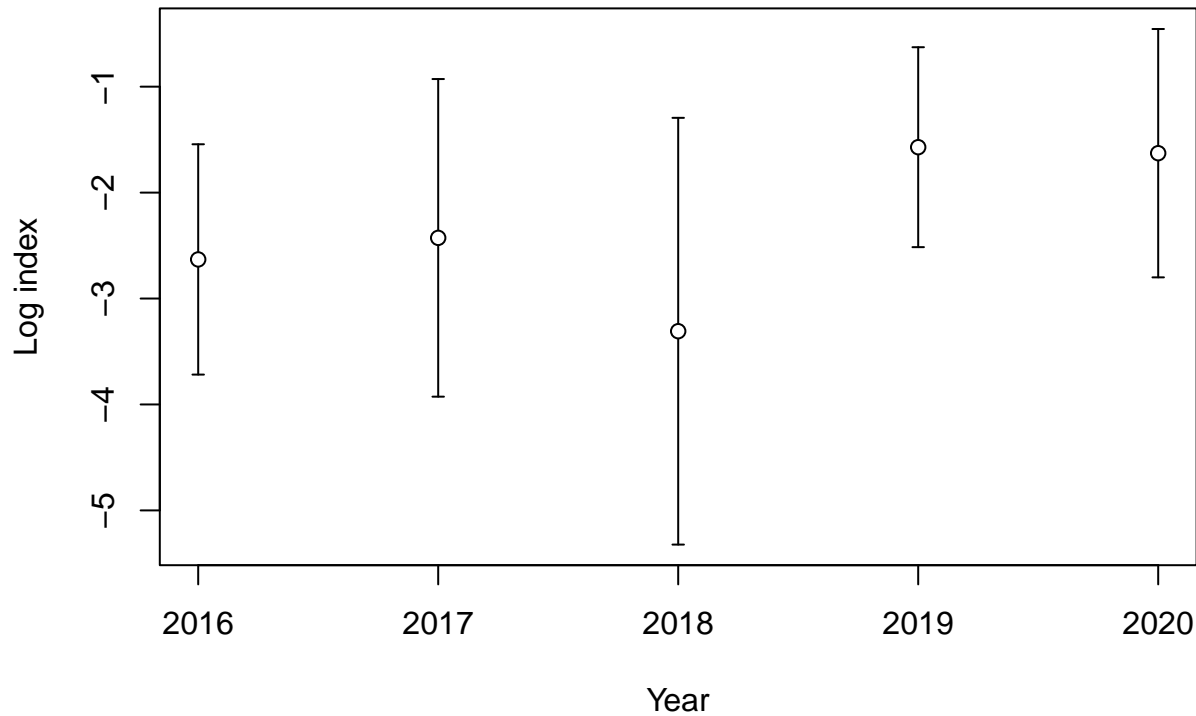
Year

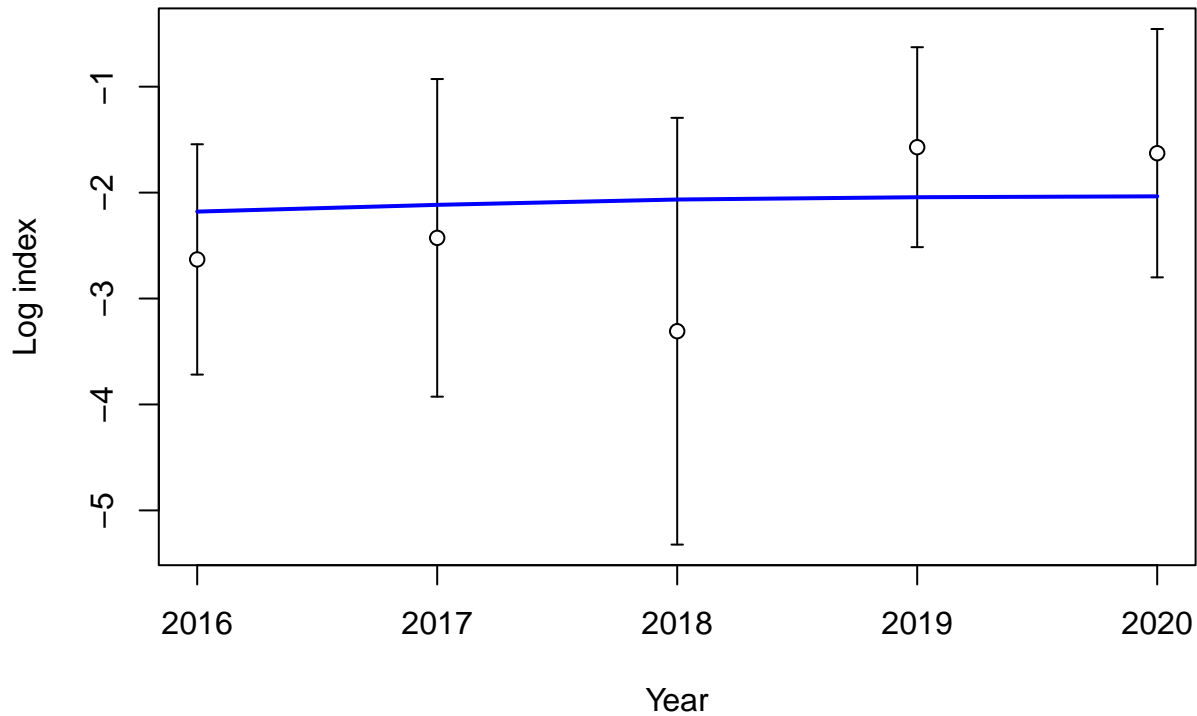
Index



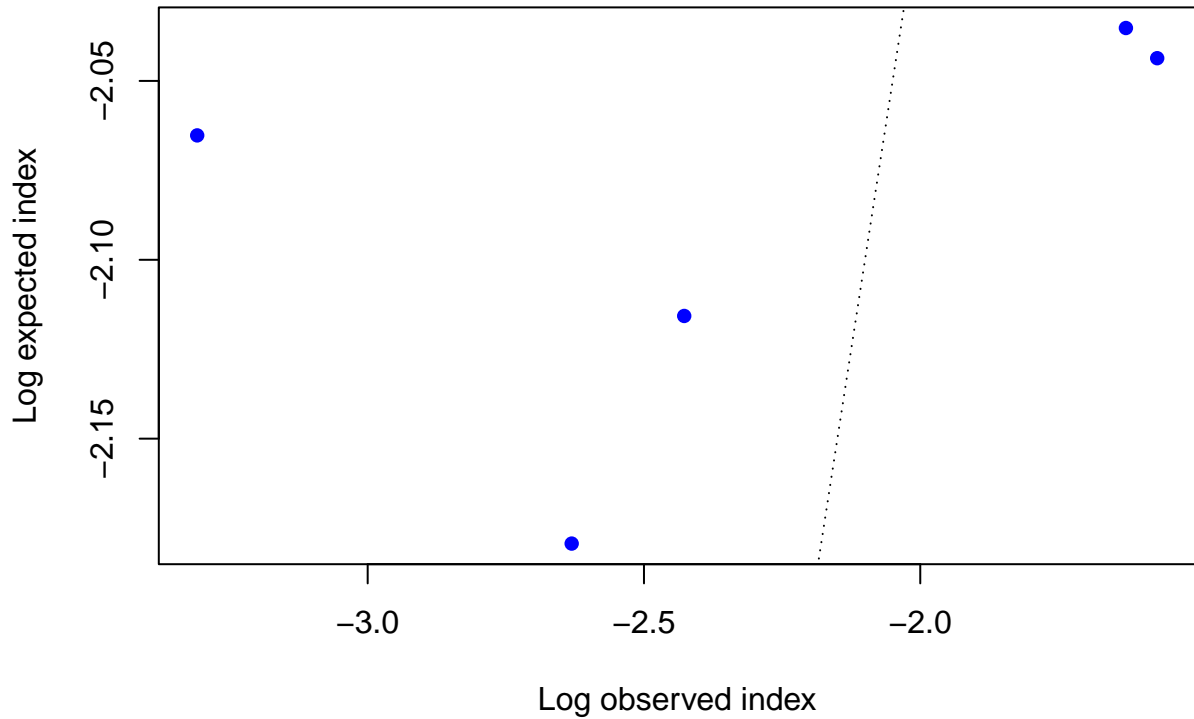
Year

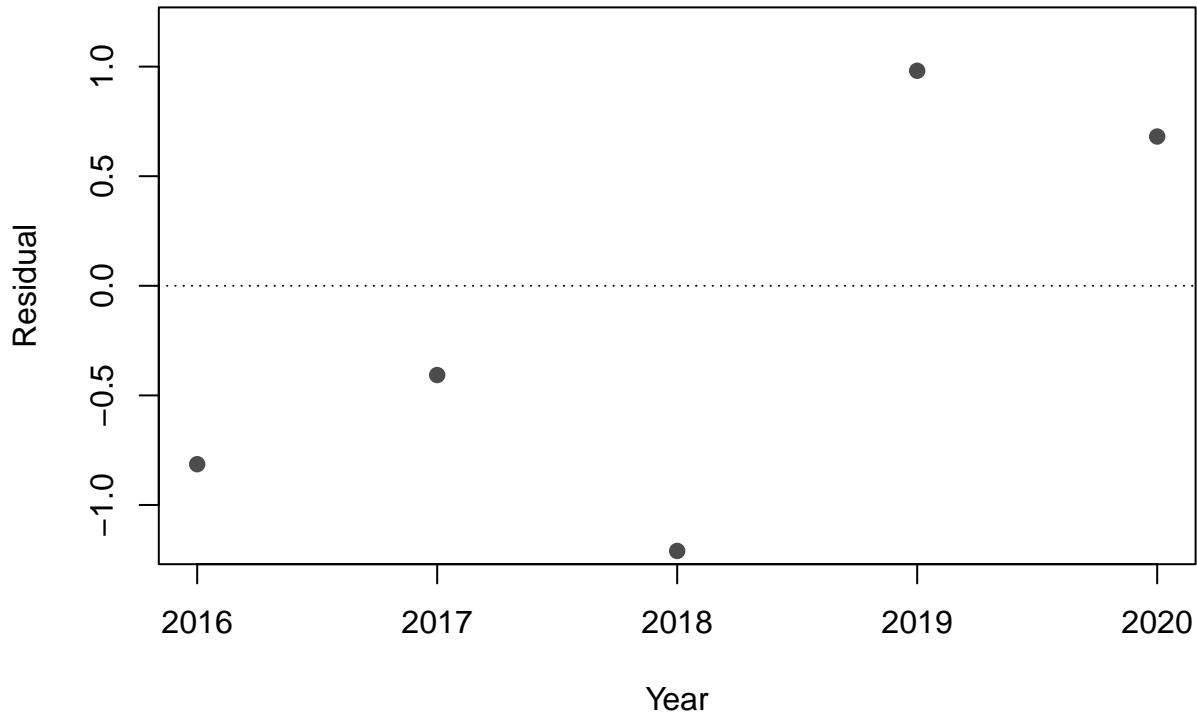


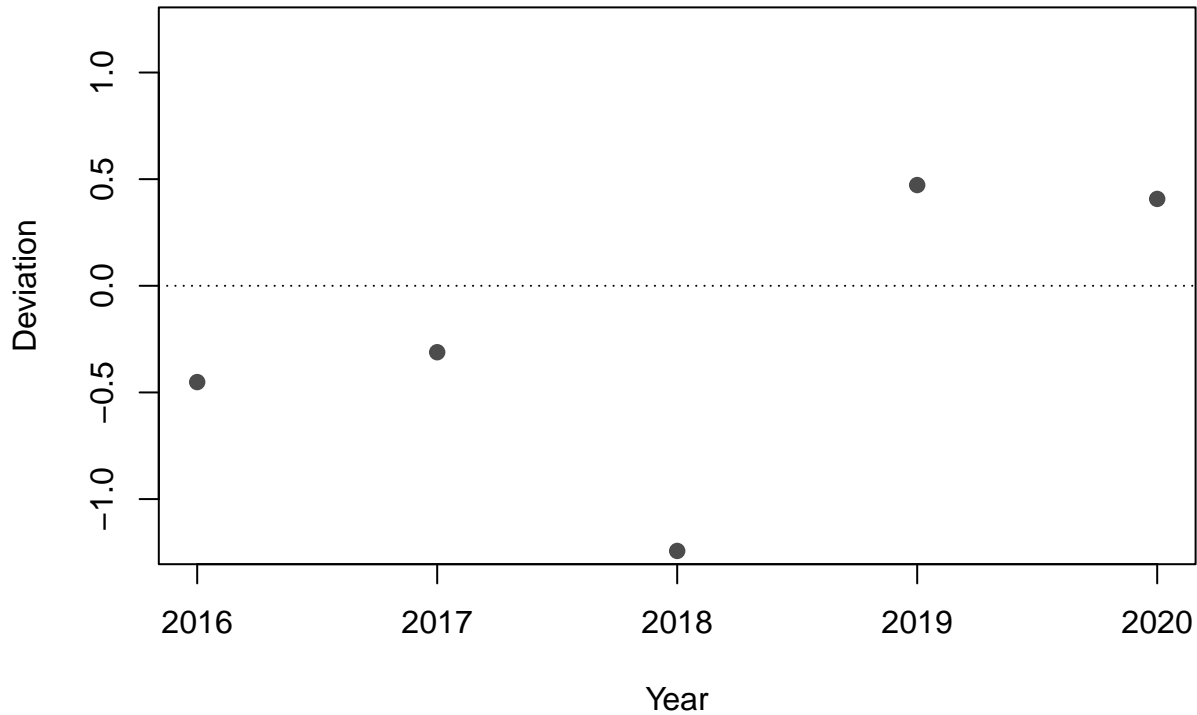


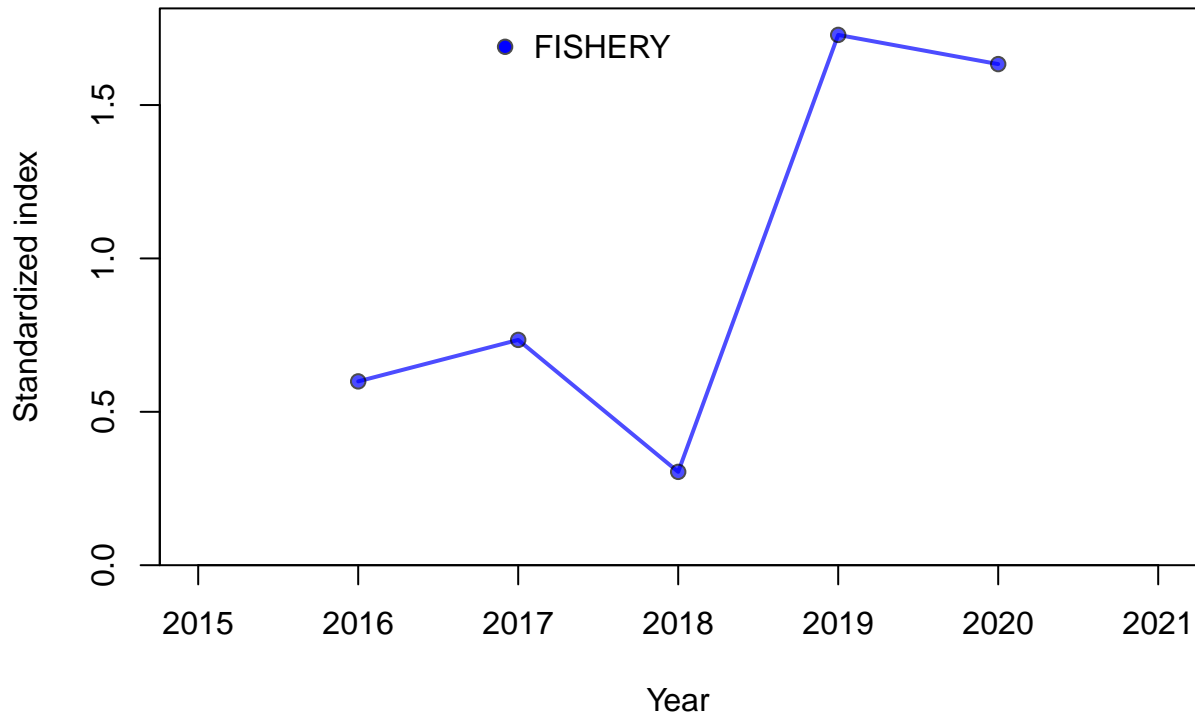




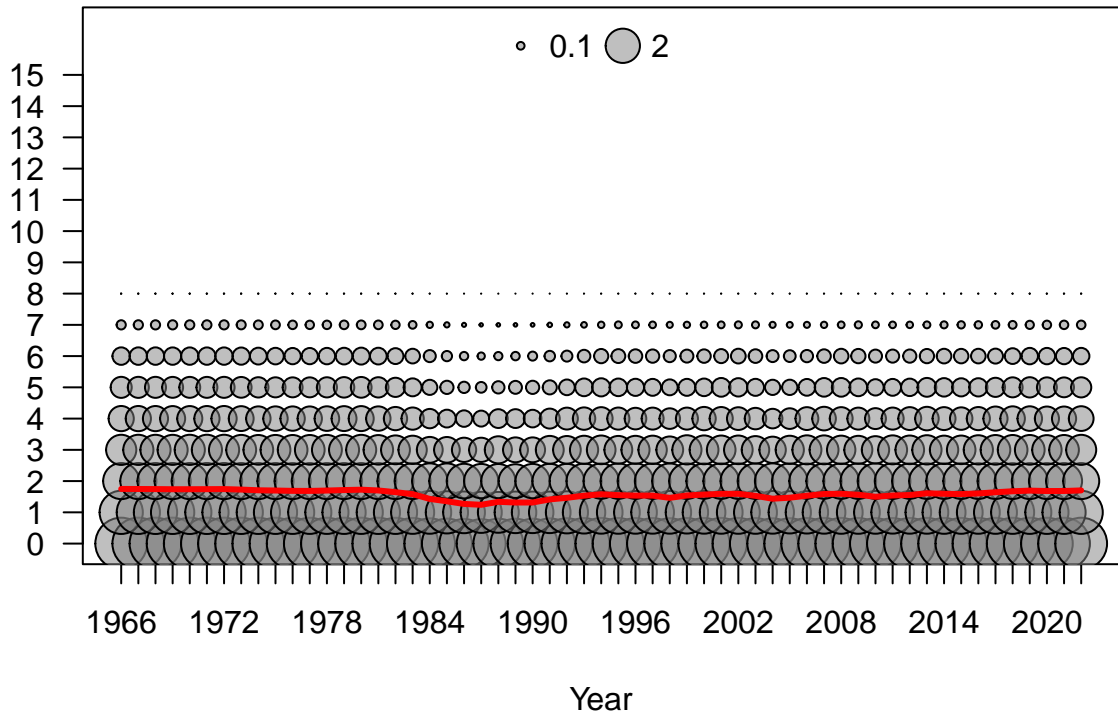


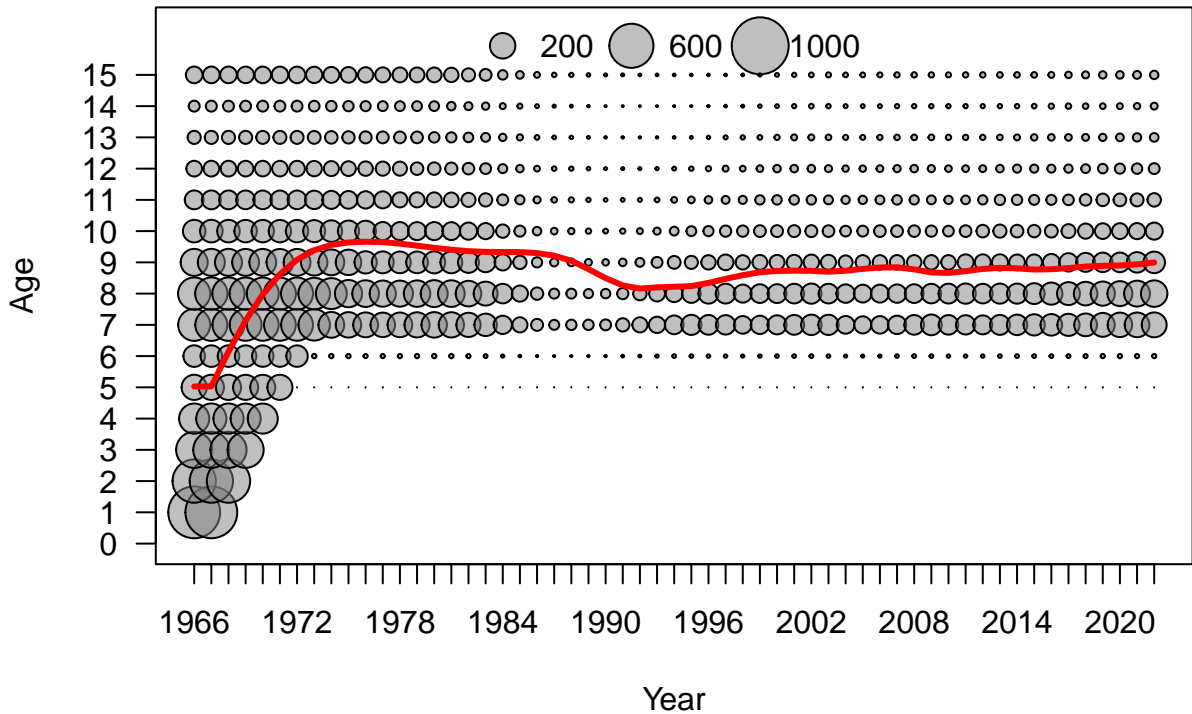


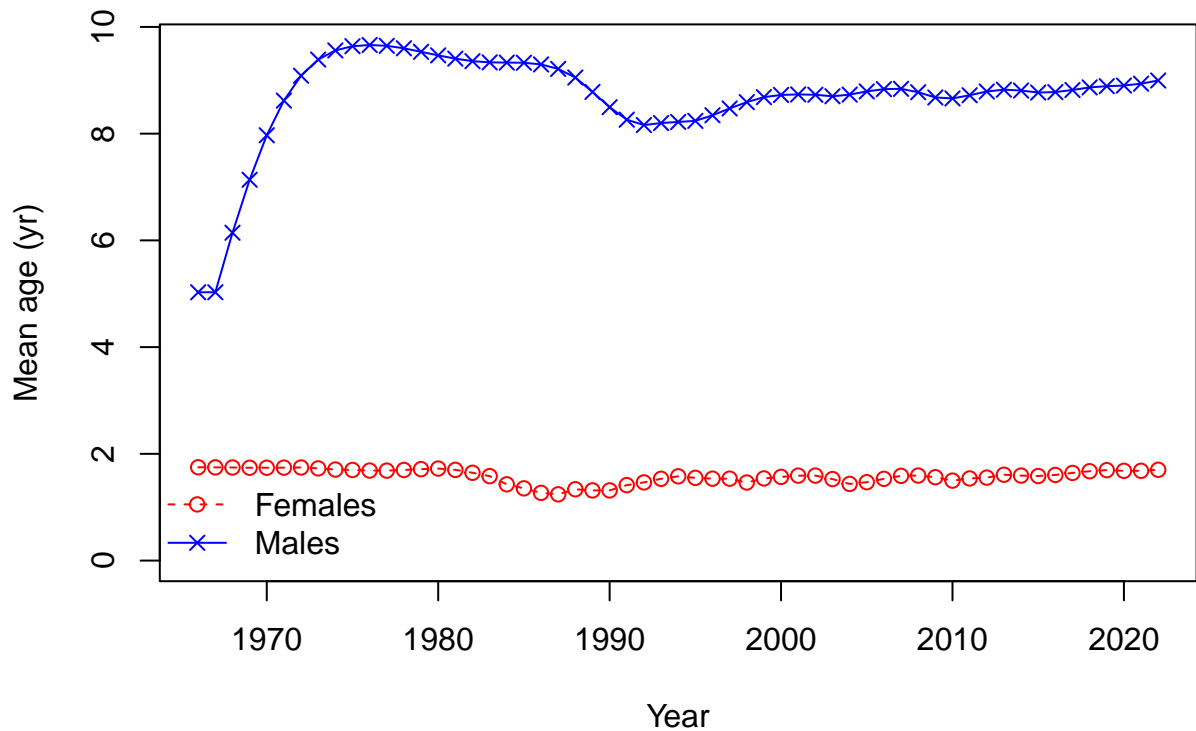


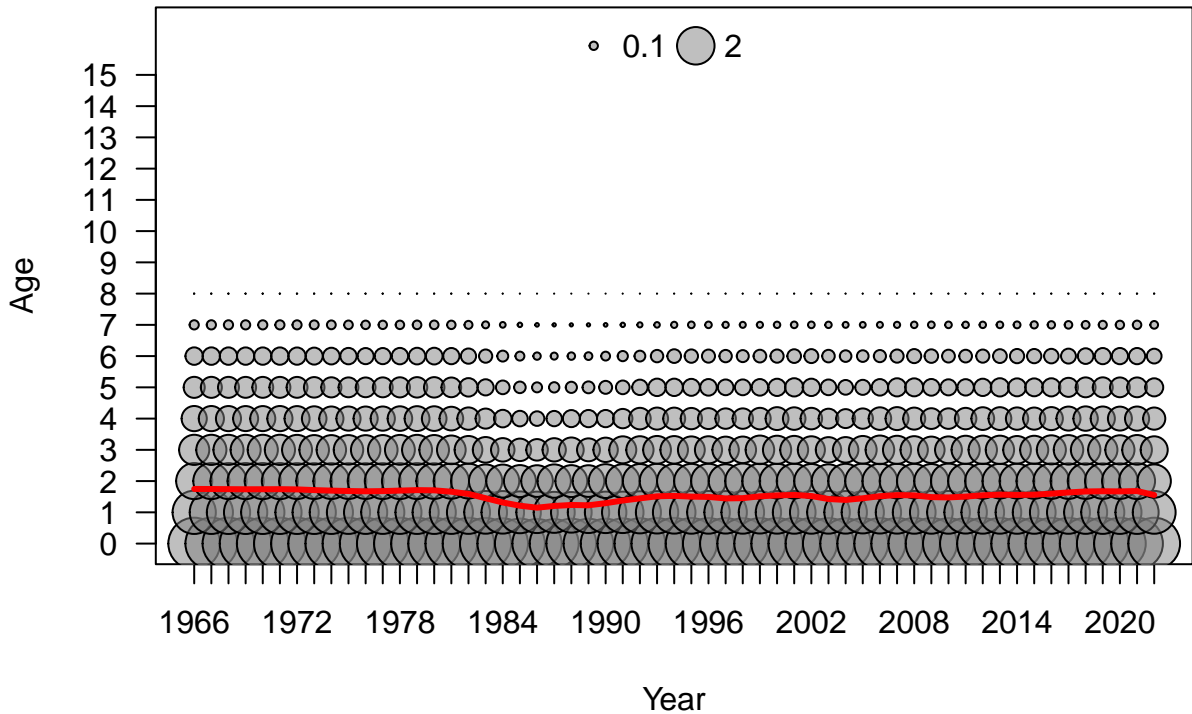


Age

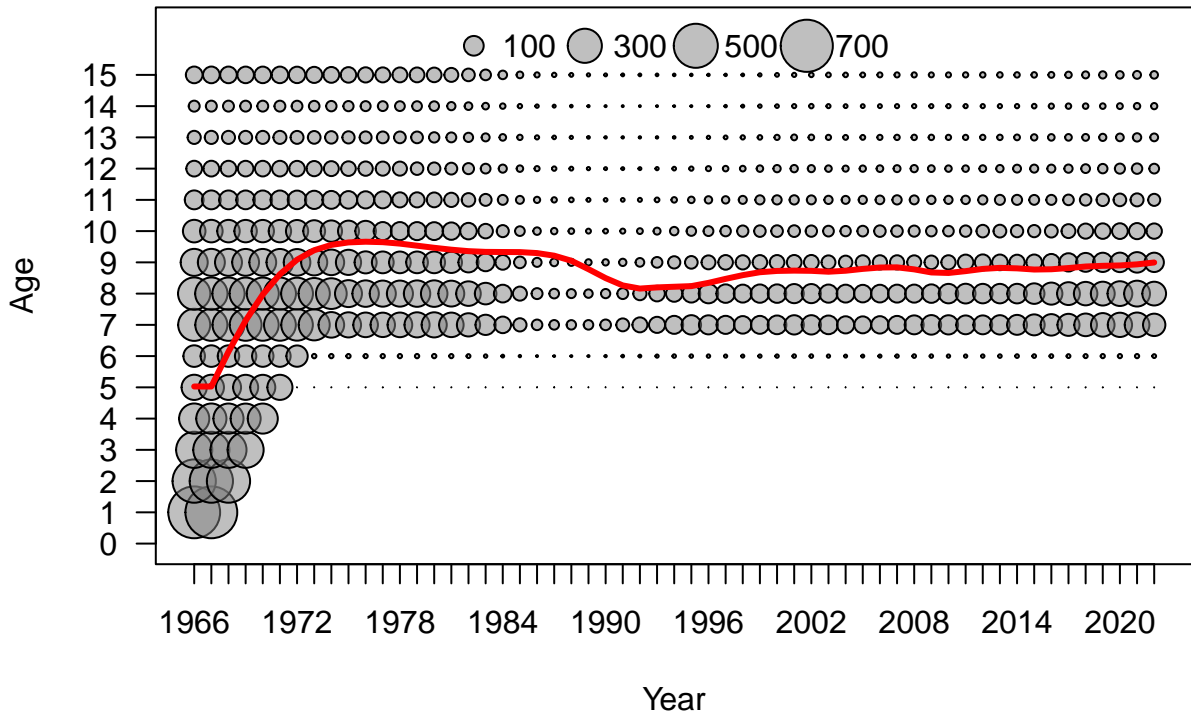


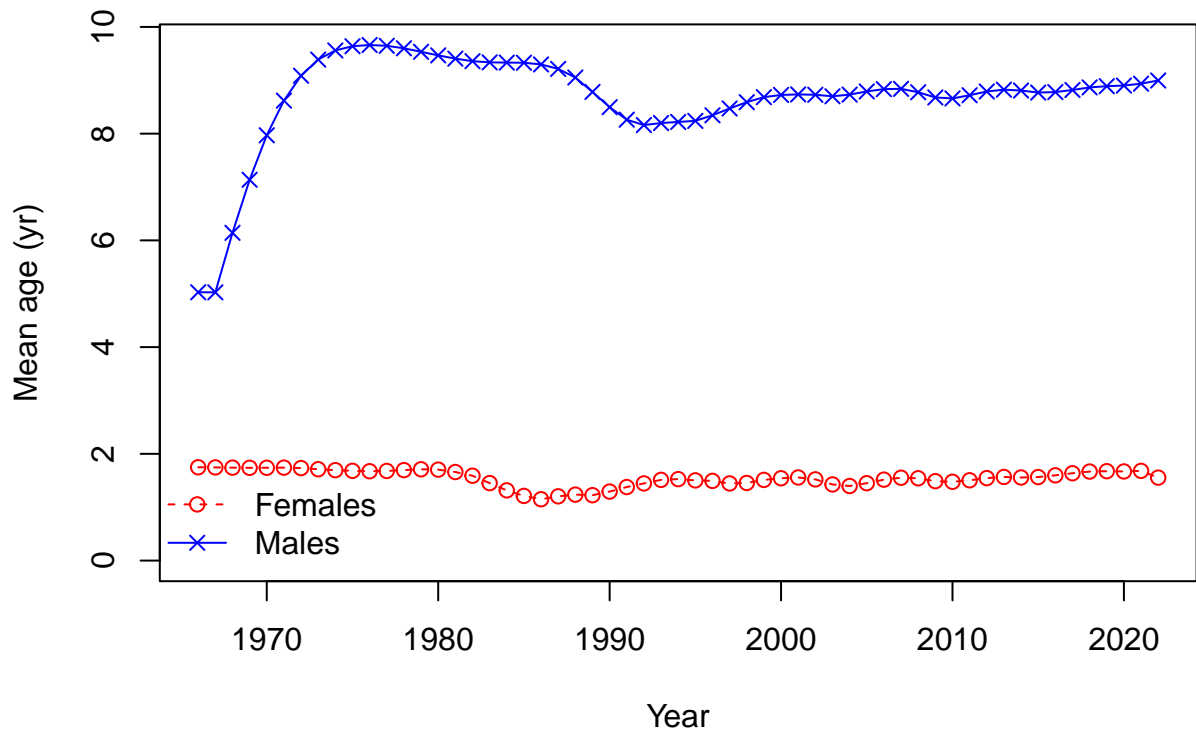


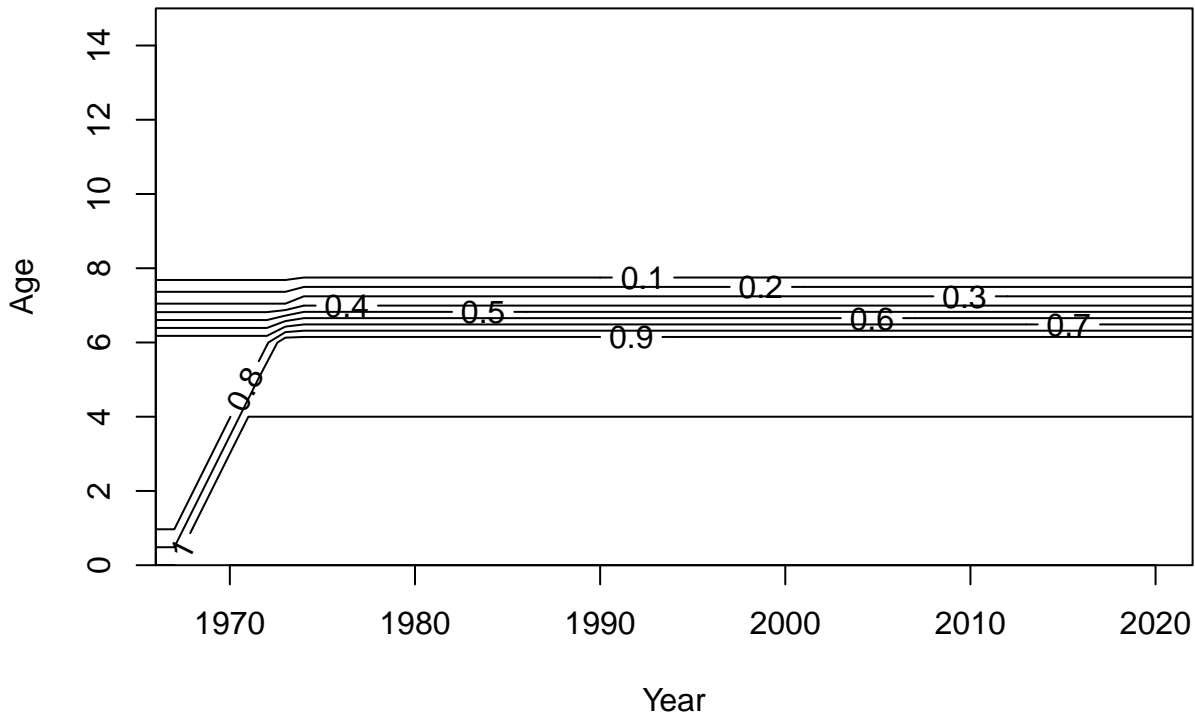


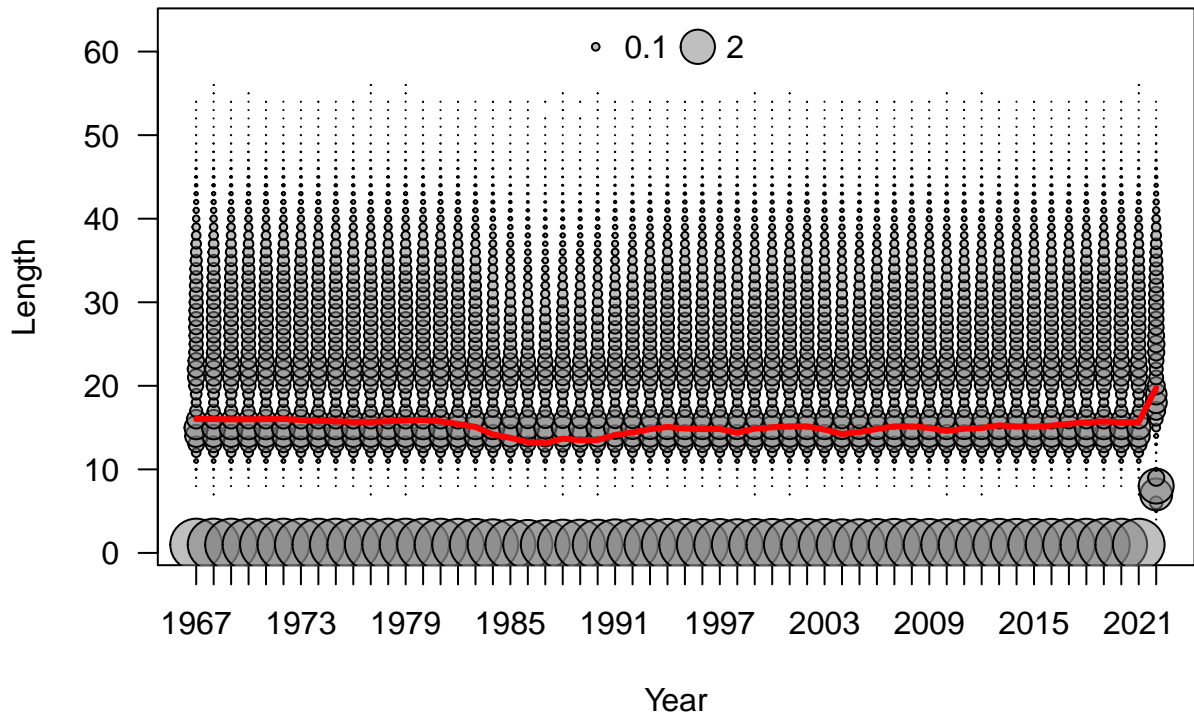


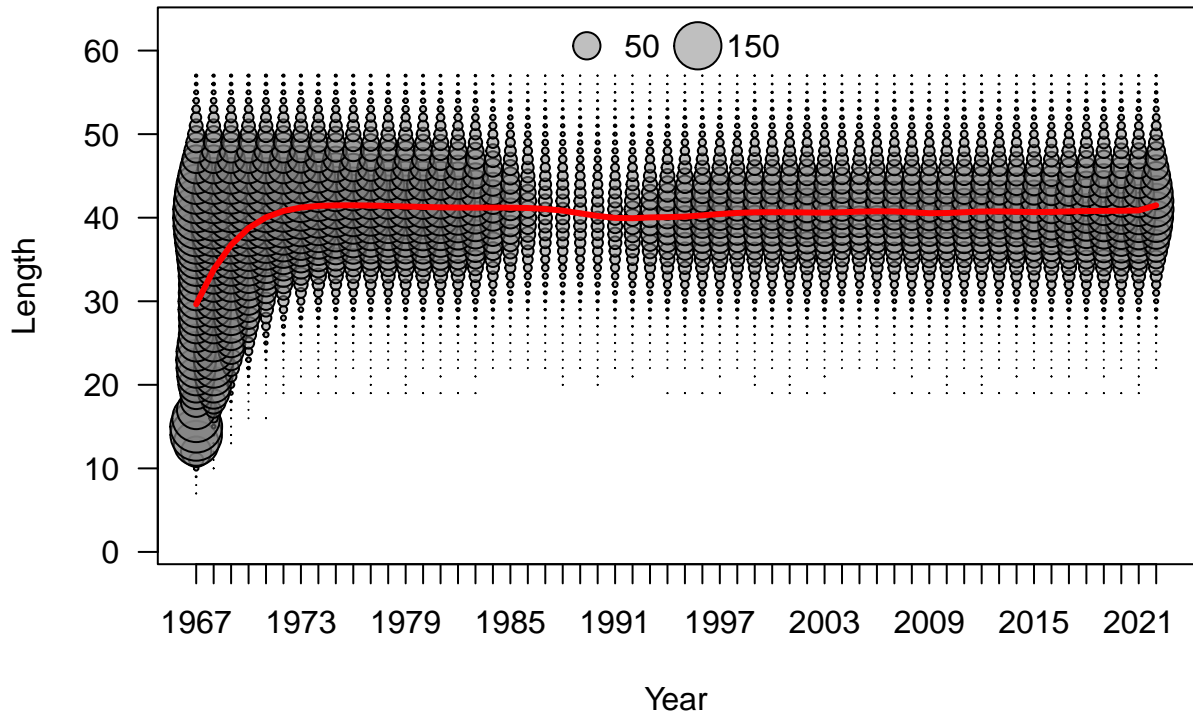


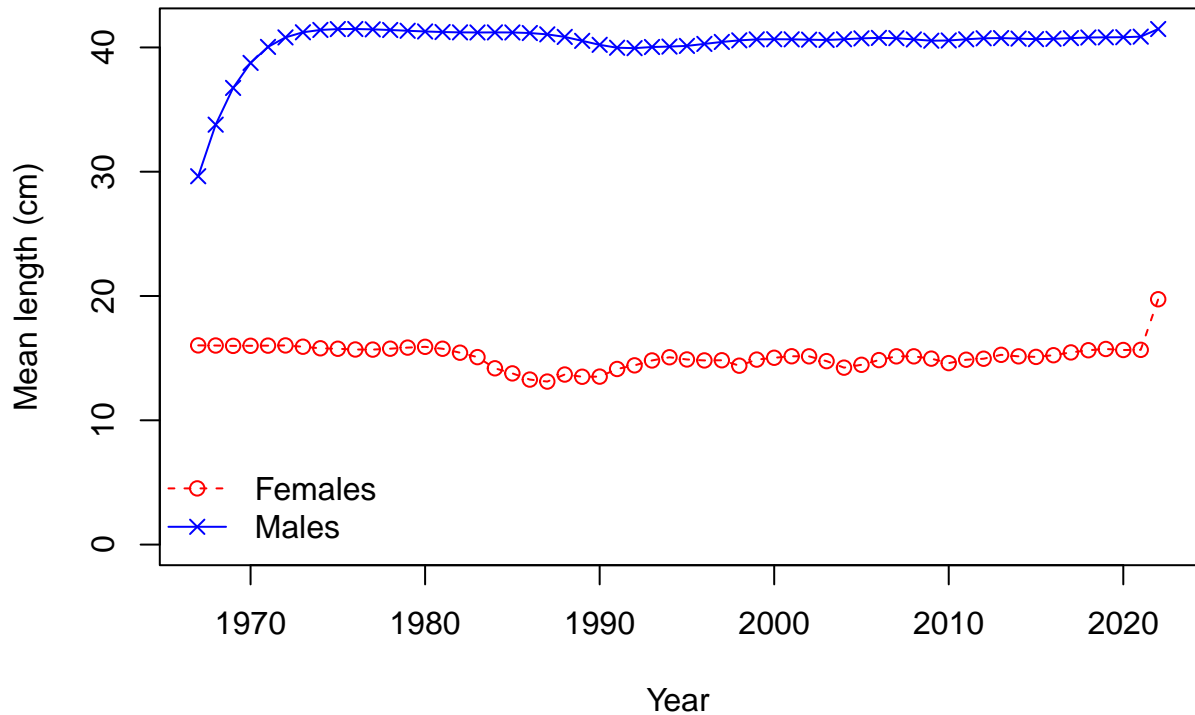


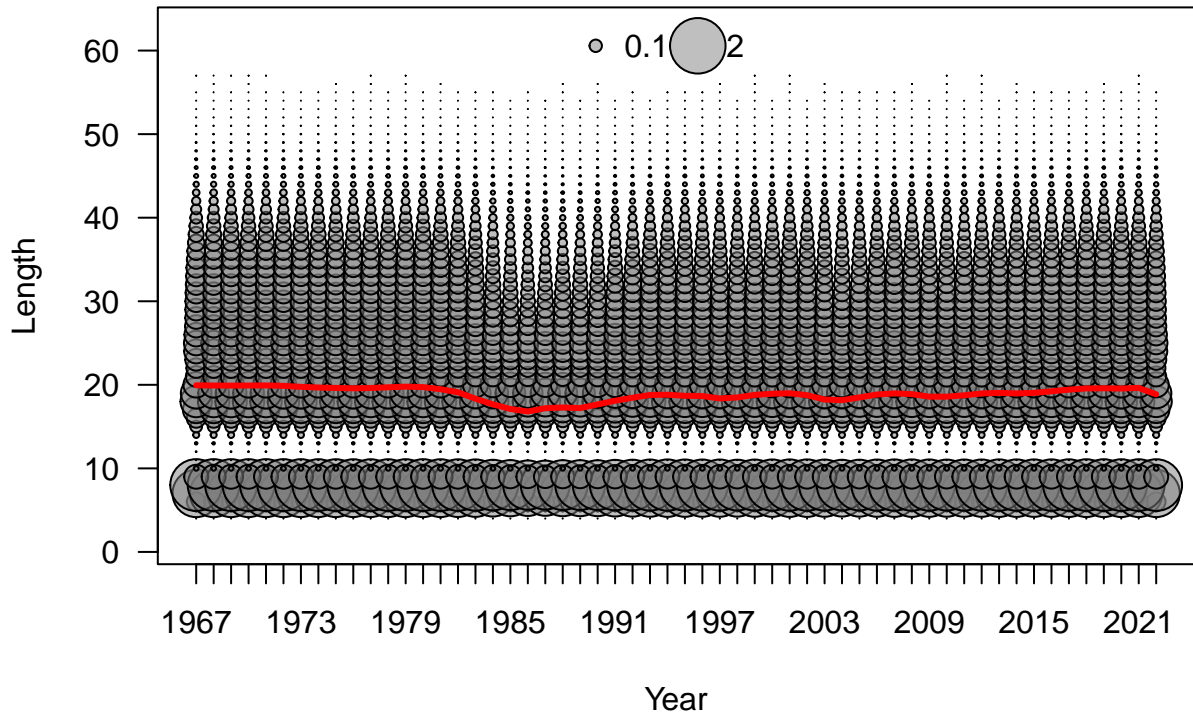


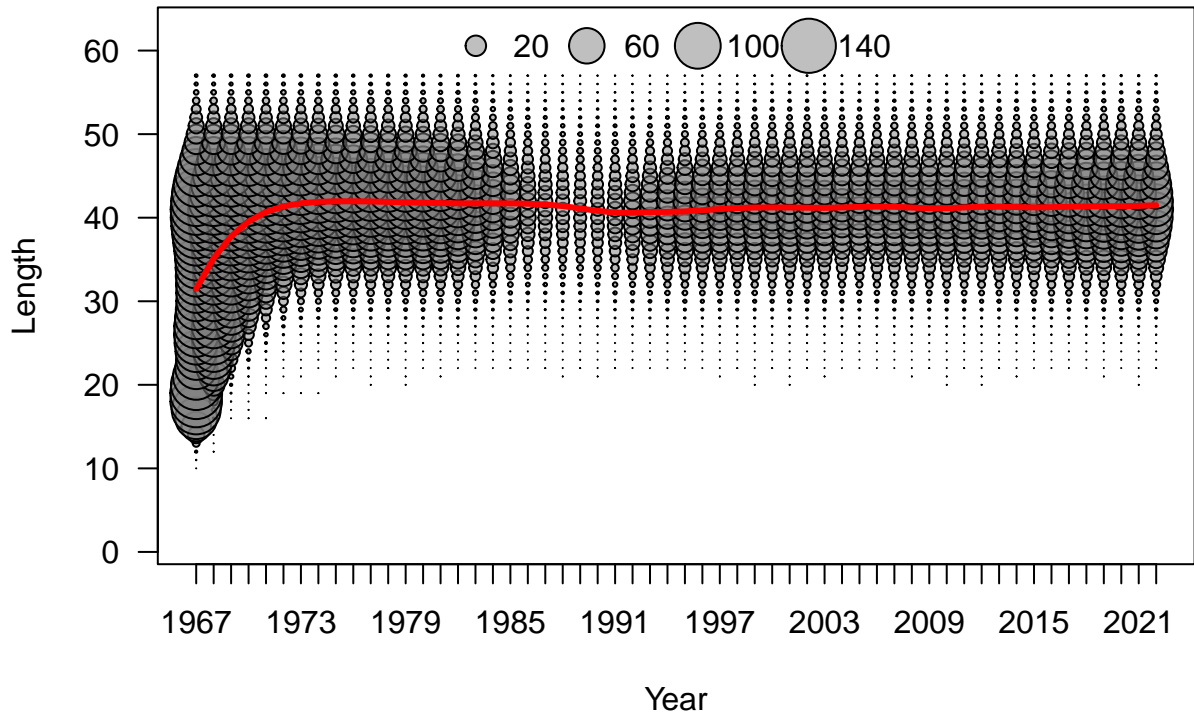




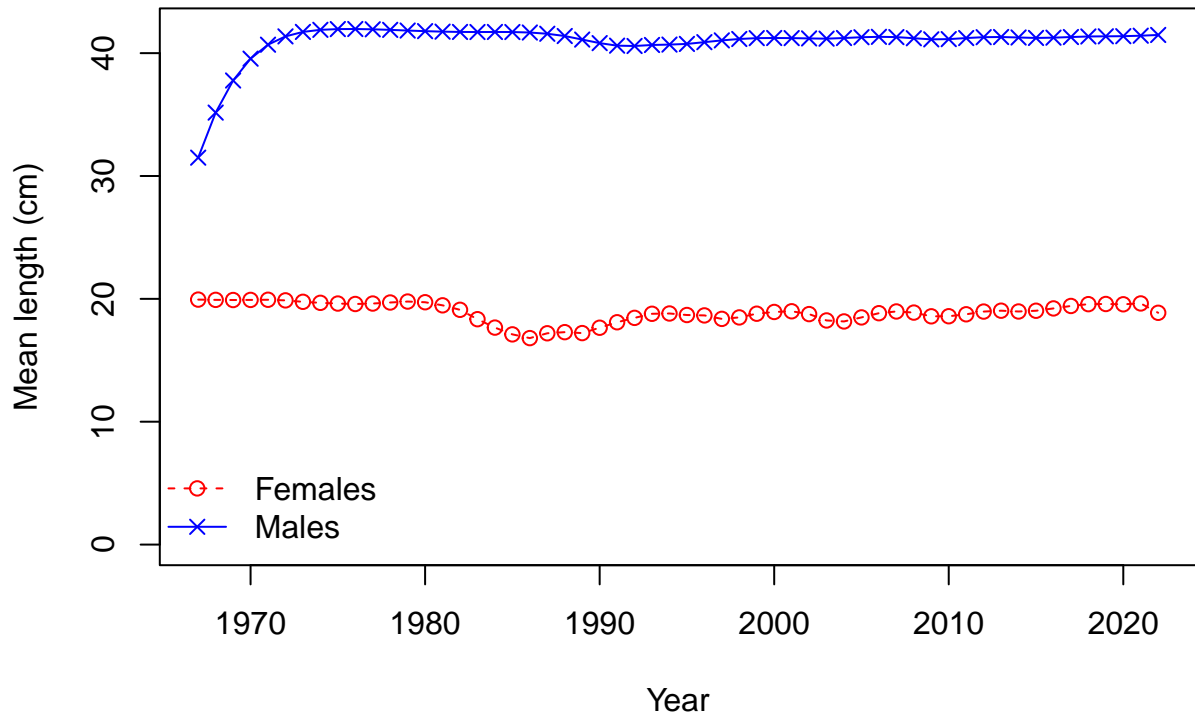




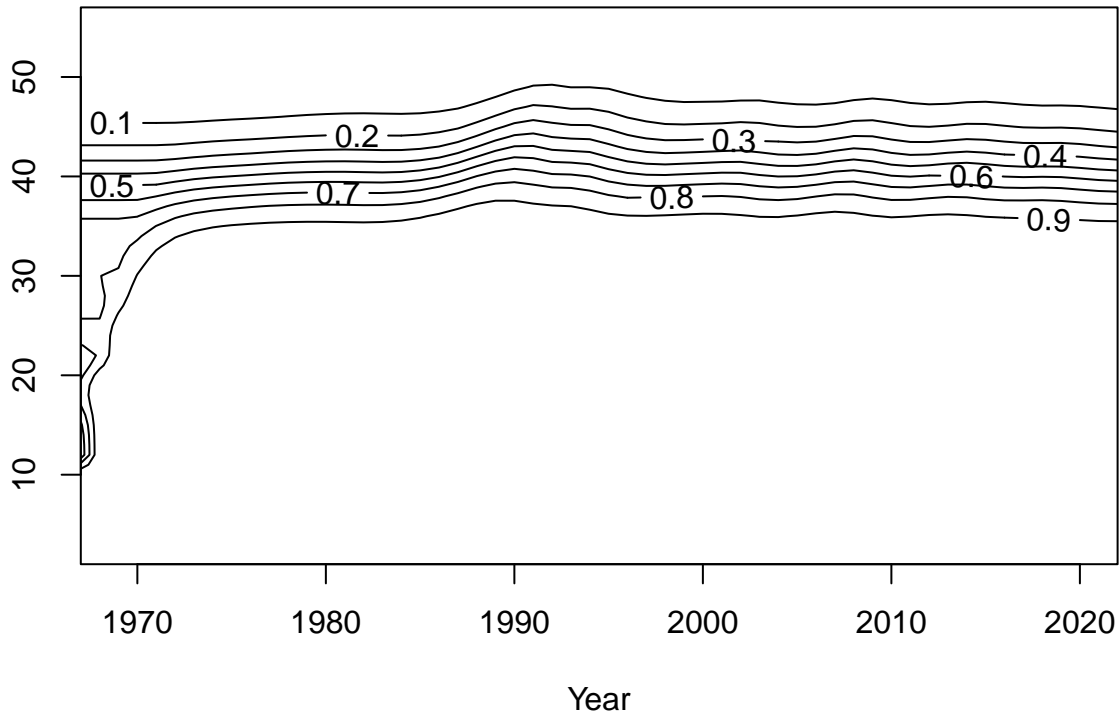


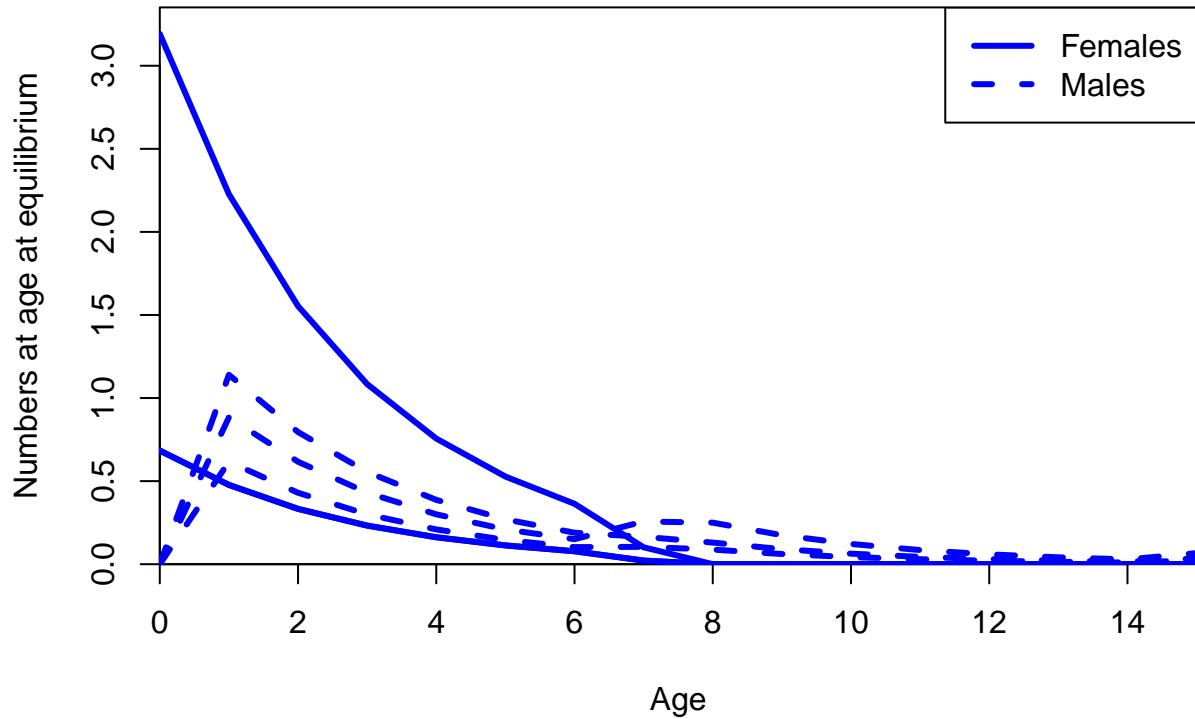






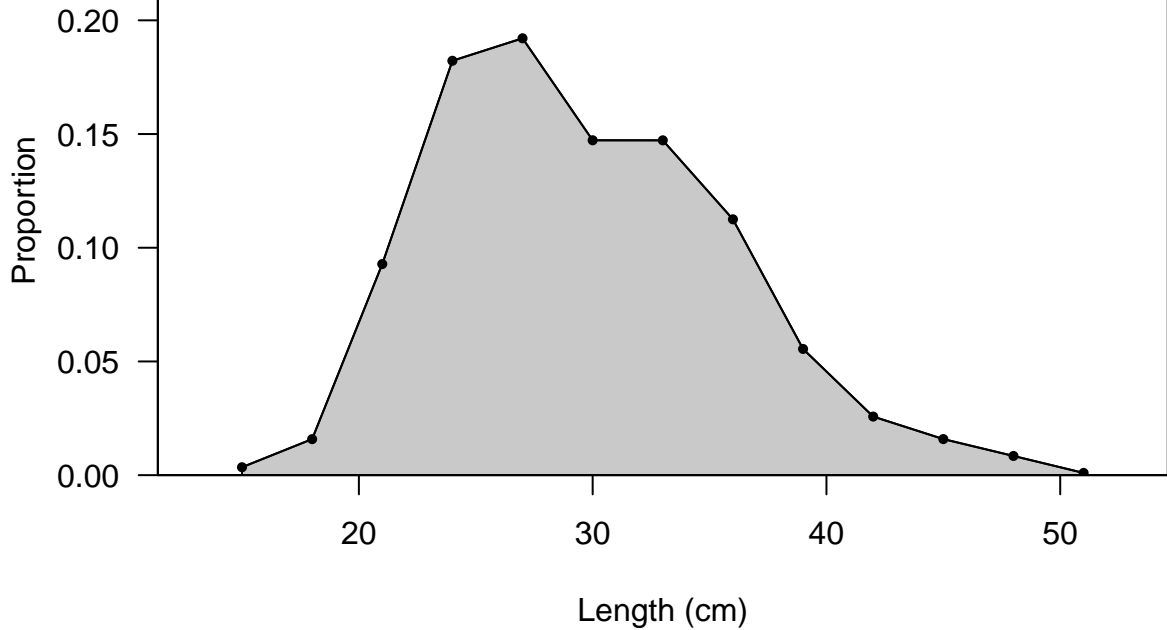
Length

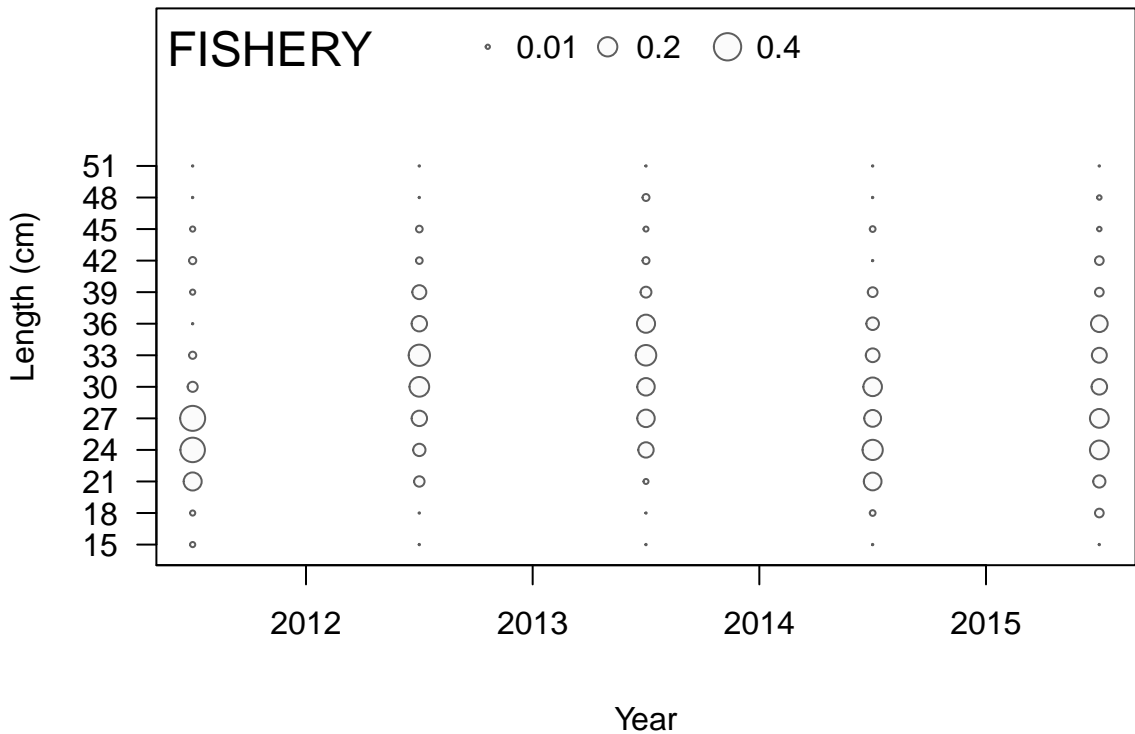




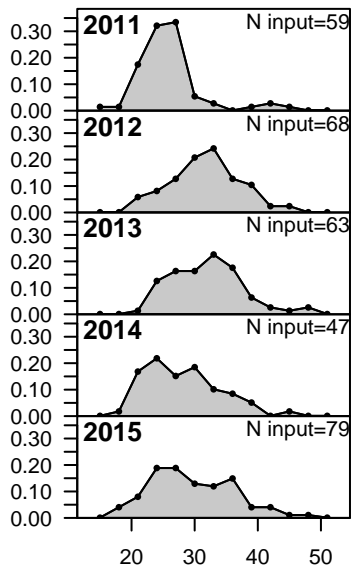
**FISHERY**

Sum of N input=316

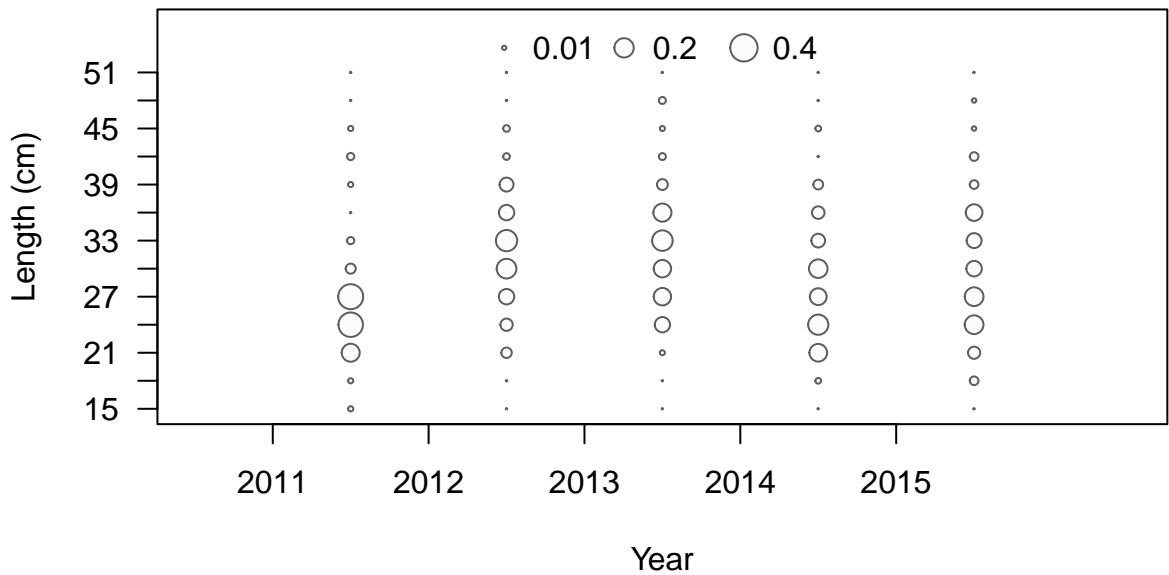




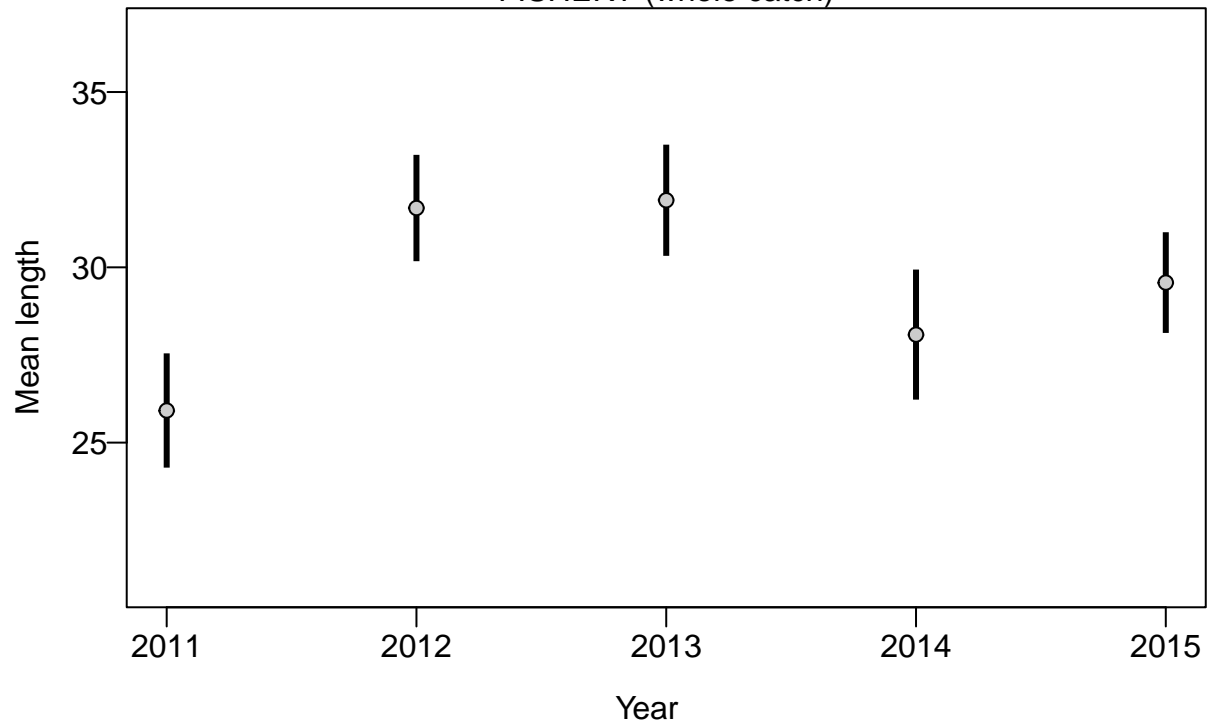
Proportion



Length (cm)



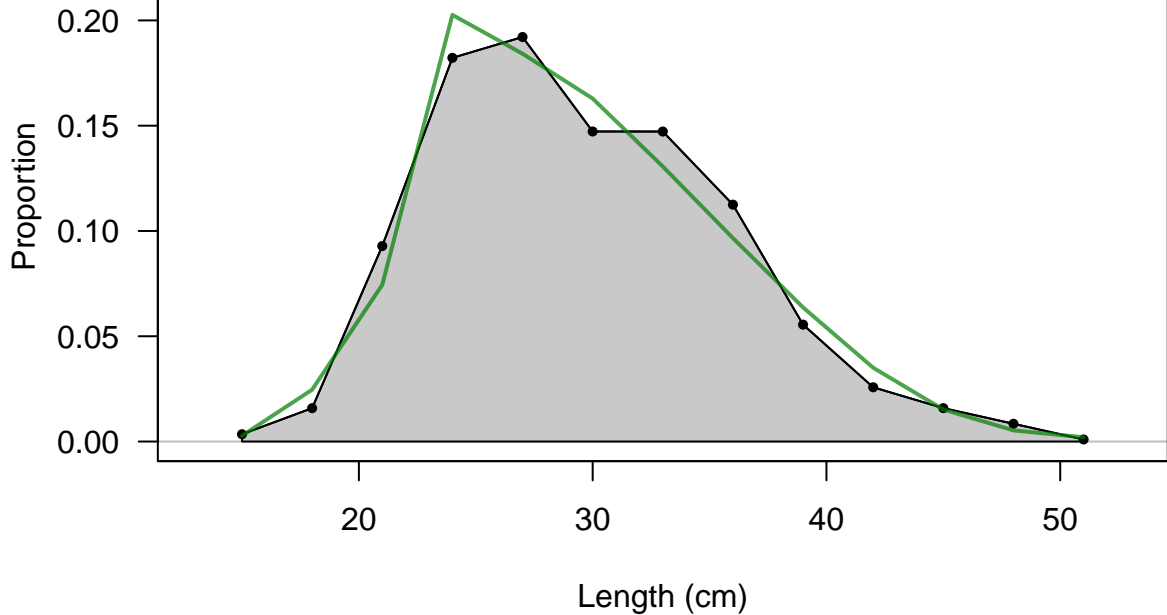
FISHERY (whole catch)

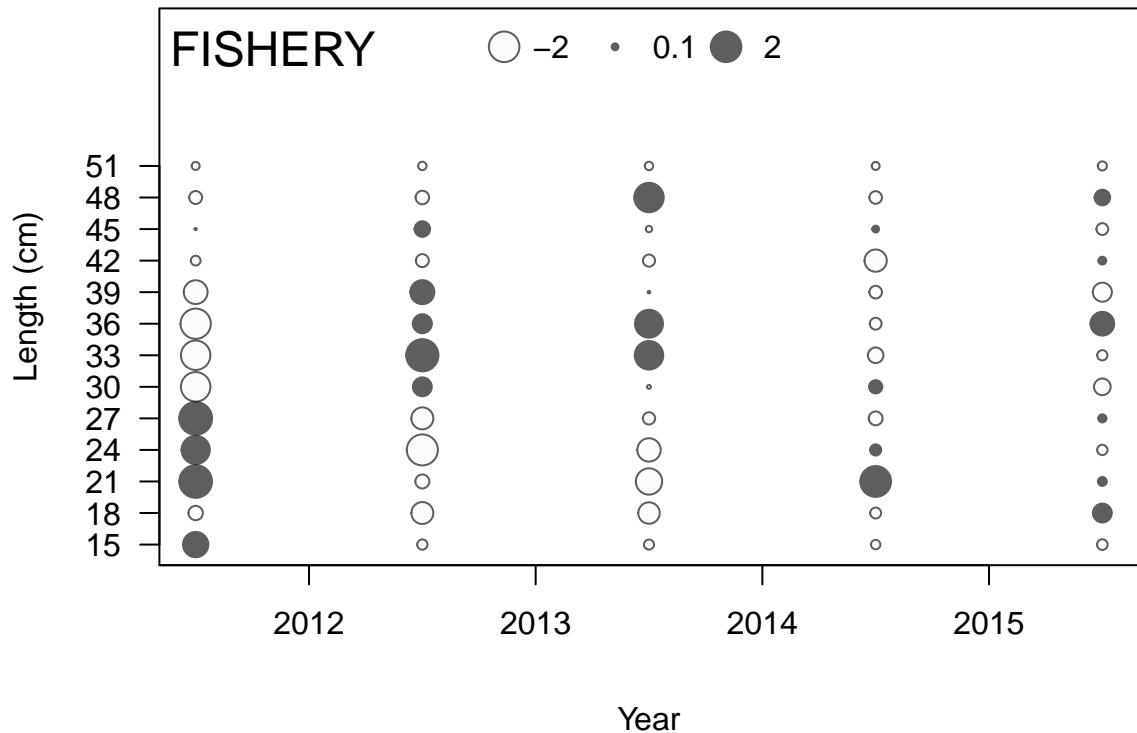




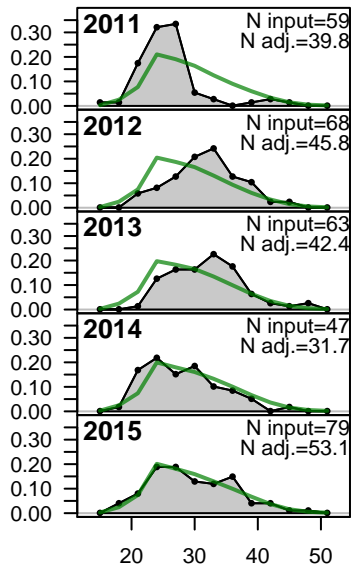
# FISHERY

Sum of N input=316  
Sum of N adj.=212.9

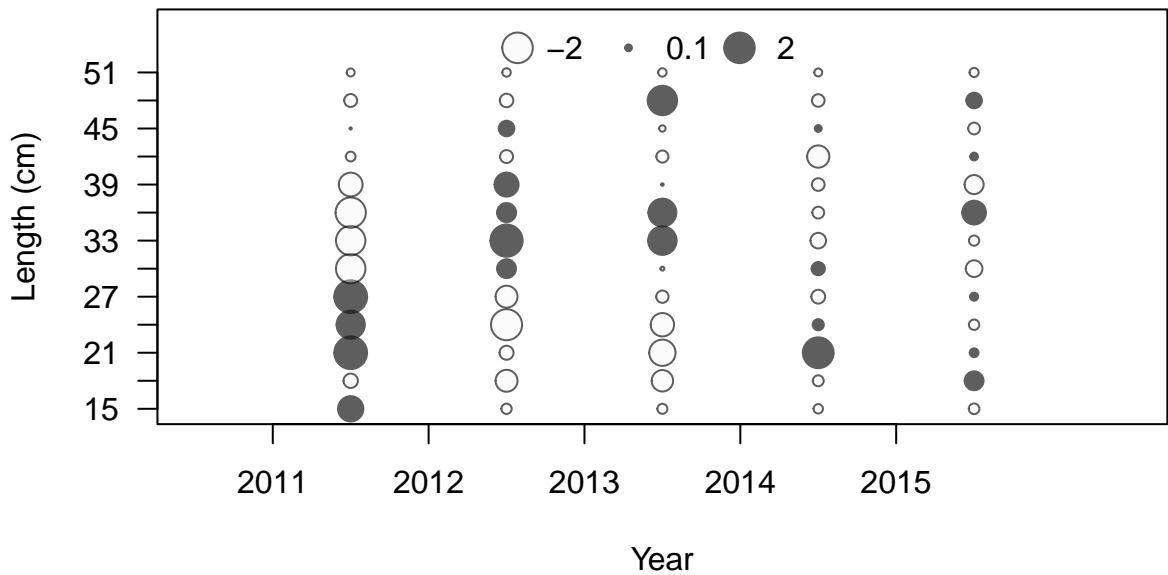




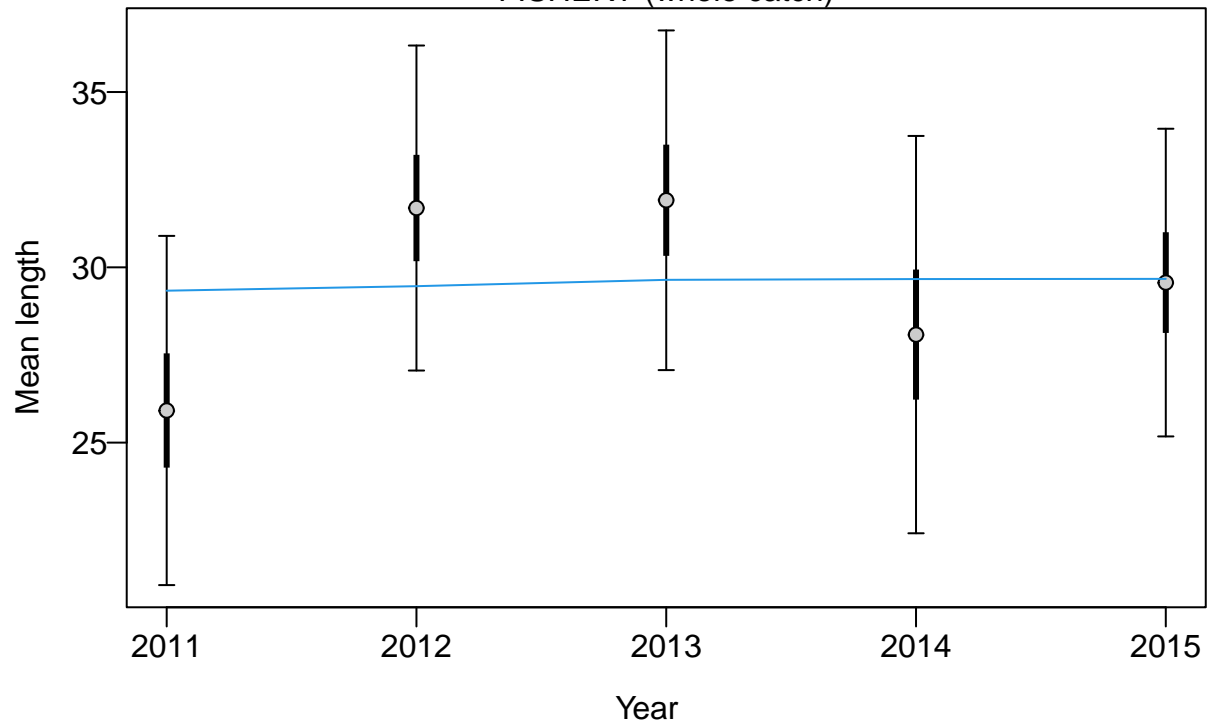
Proportion

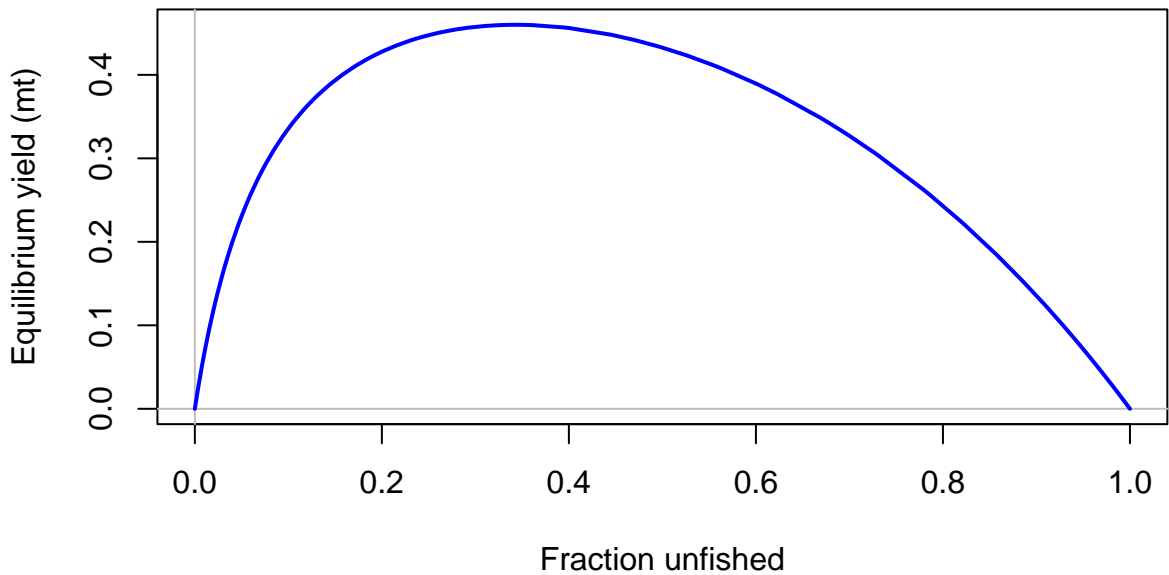


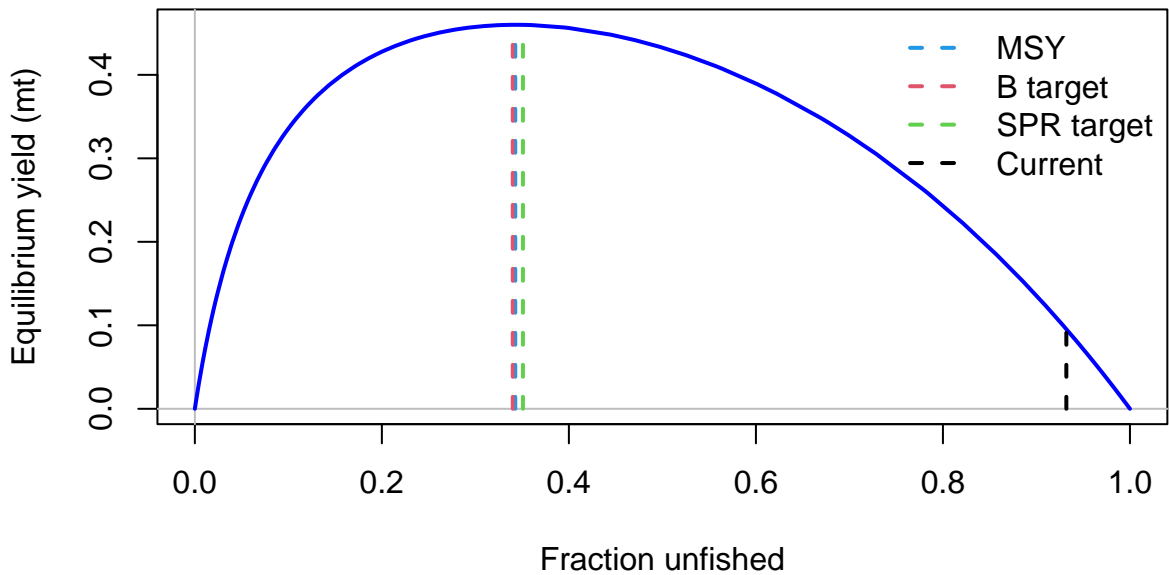
Length (cm)

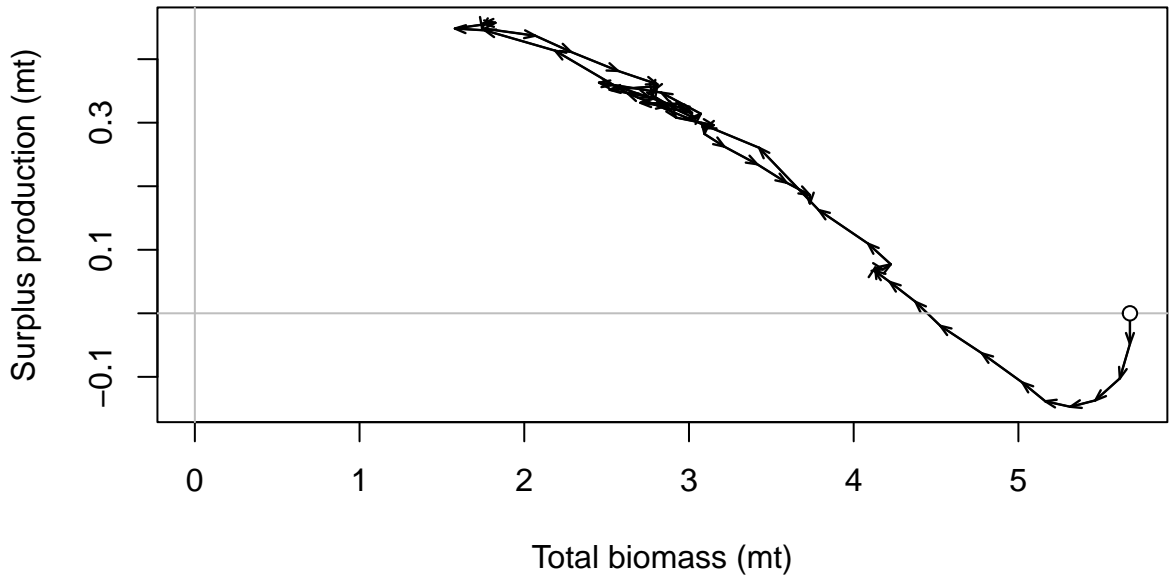


FISHERY (whole catch)

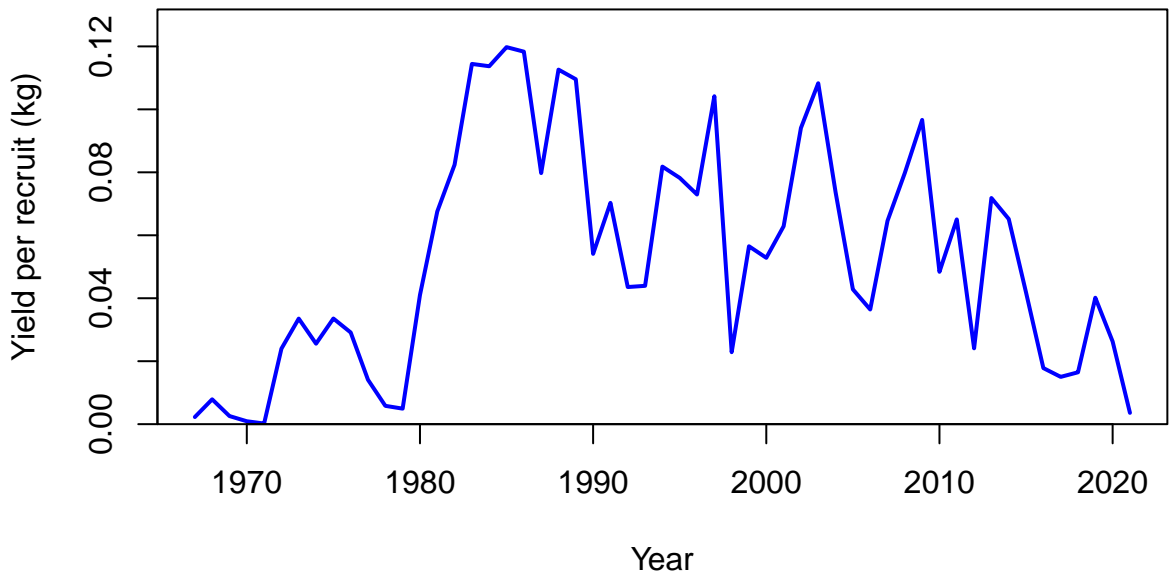


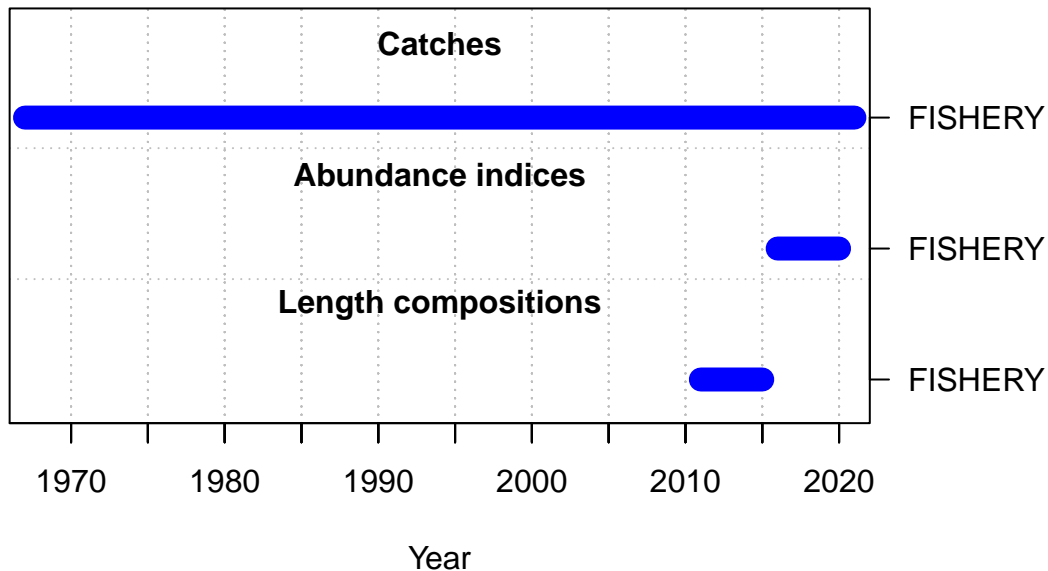


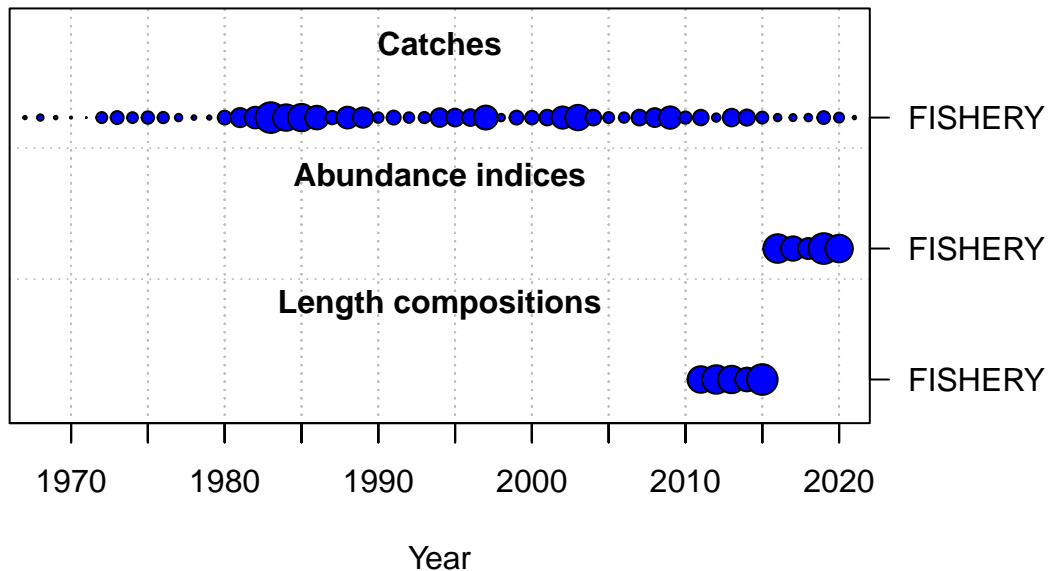




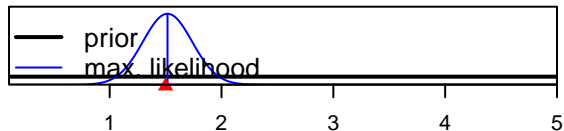




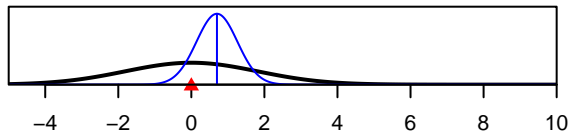




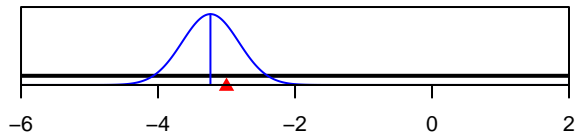
SR\_LN(R0)



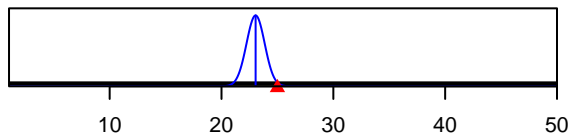
ln(DM\_theta)\_1



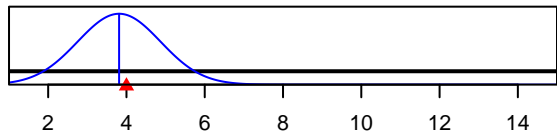
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value