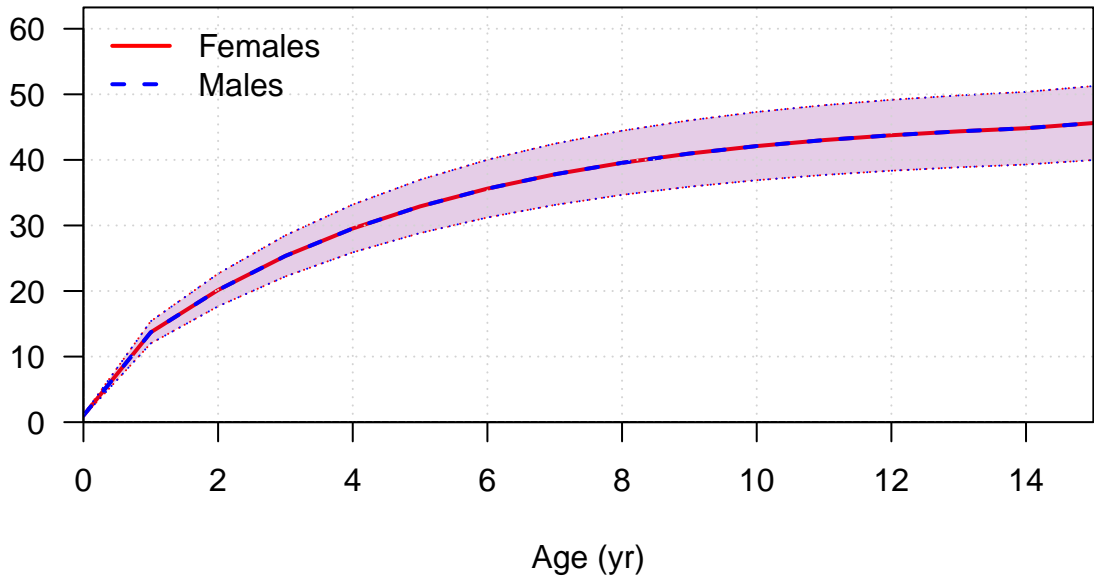
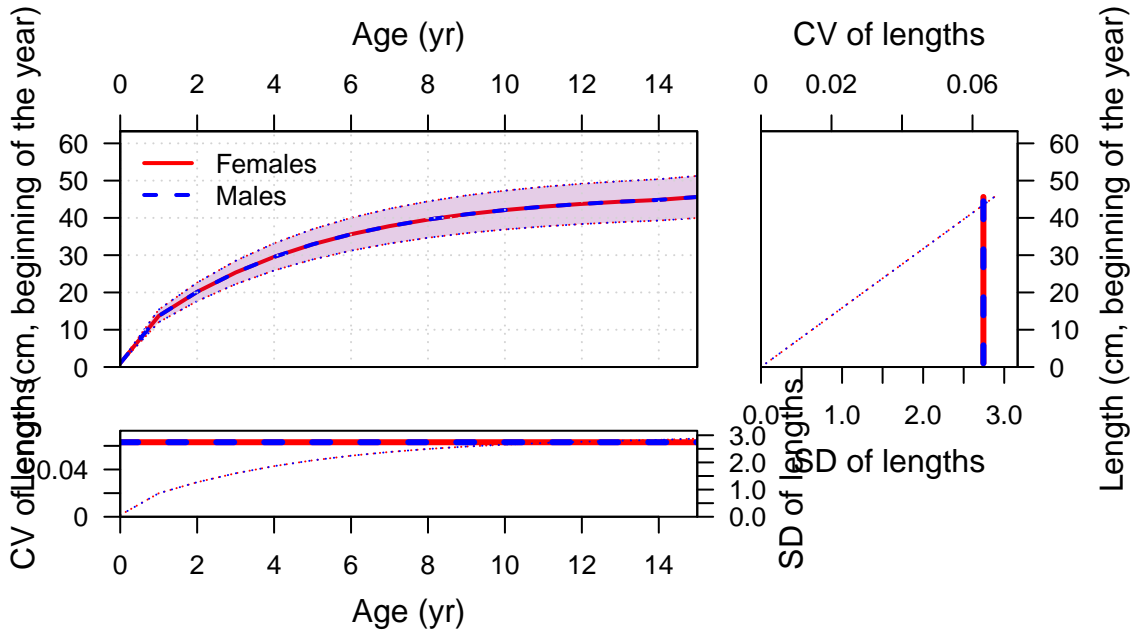
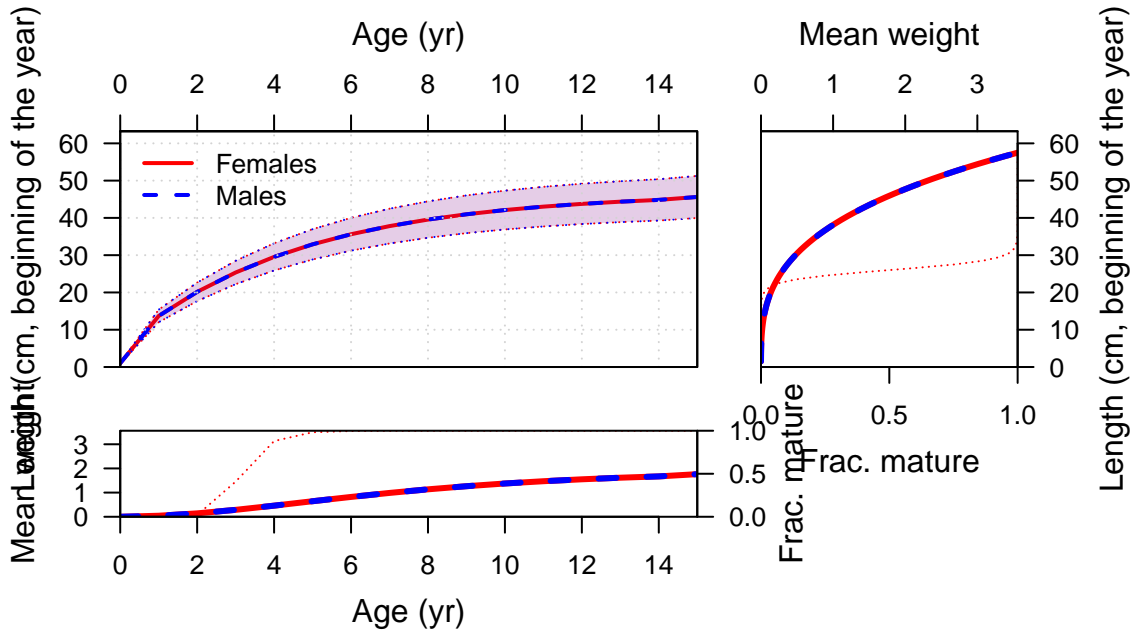


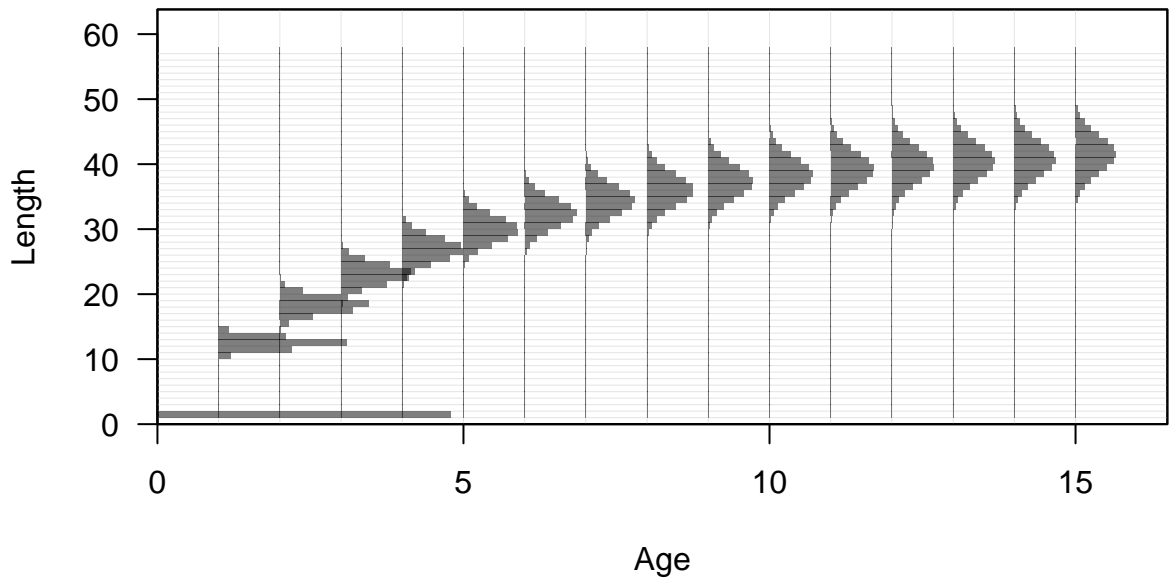
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Fri Oct 21 15:58:52 2022  
Data\_File: data.ss  
Control\_File: control.ss

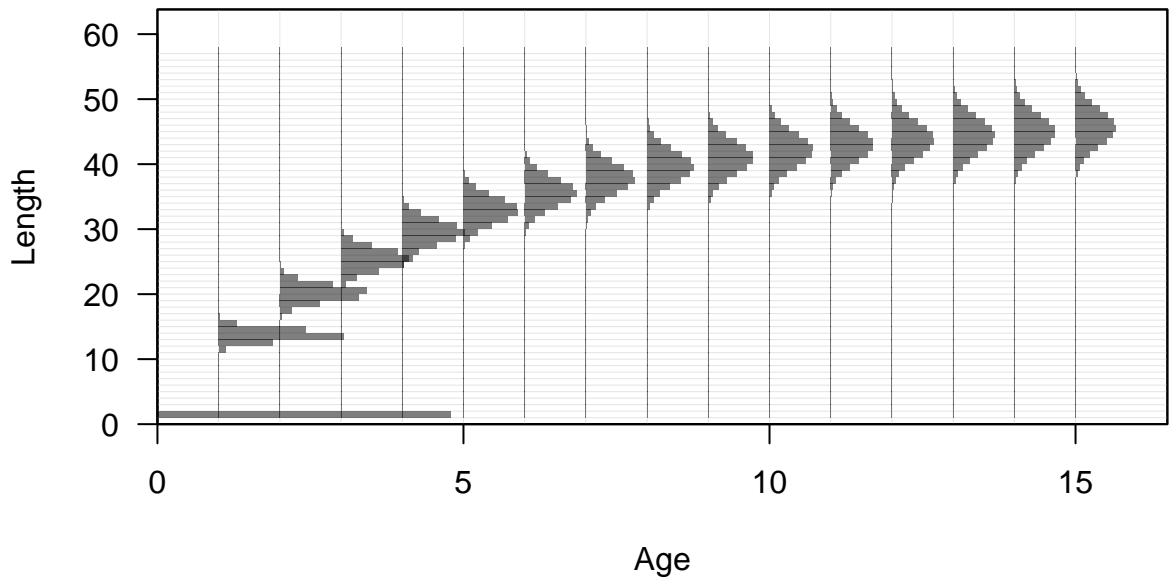
Length (cm, beginning of the year)

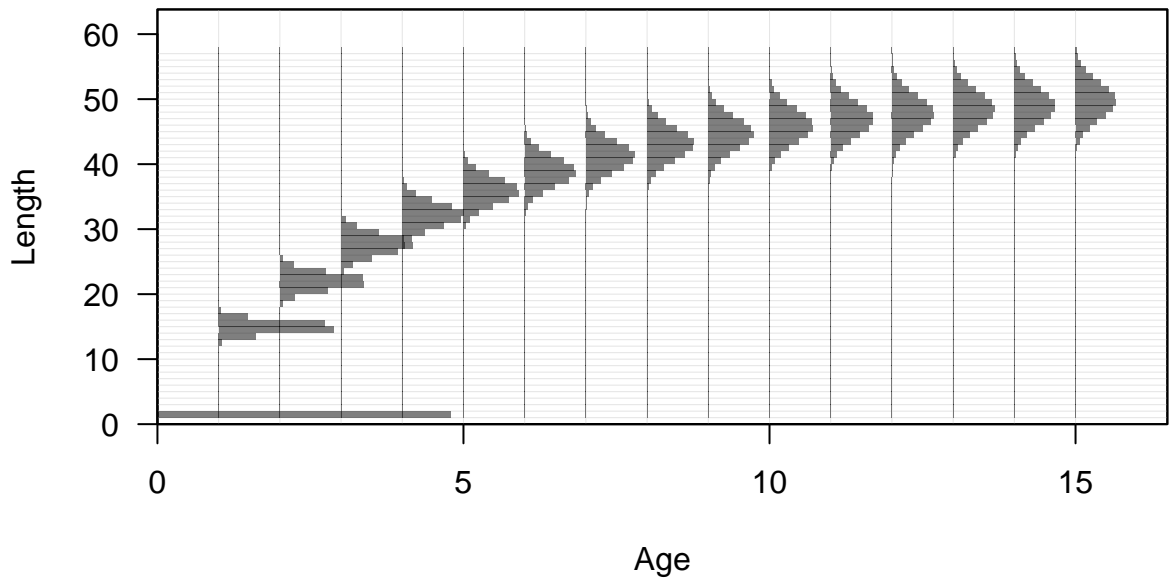


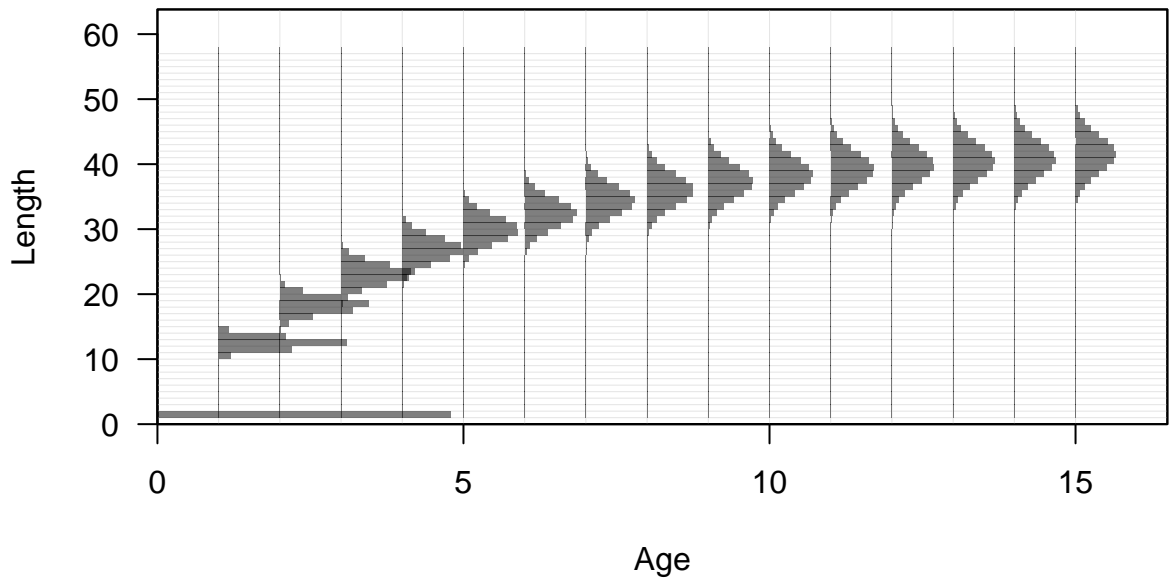




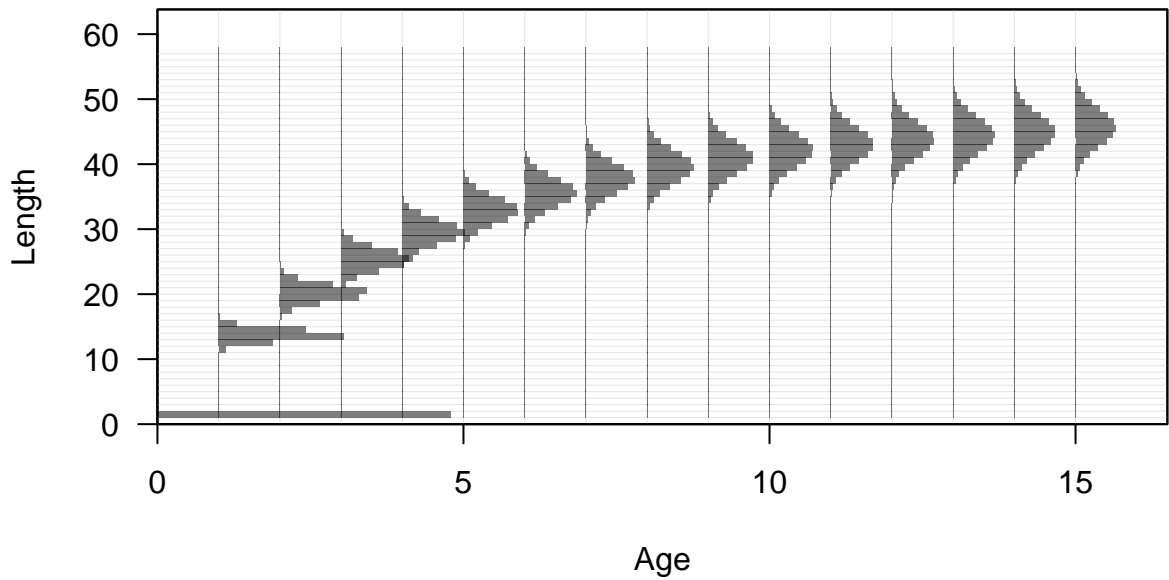


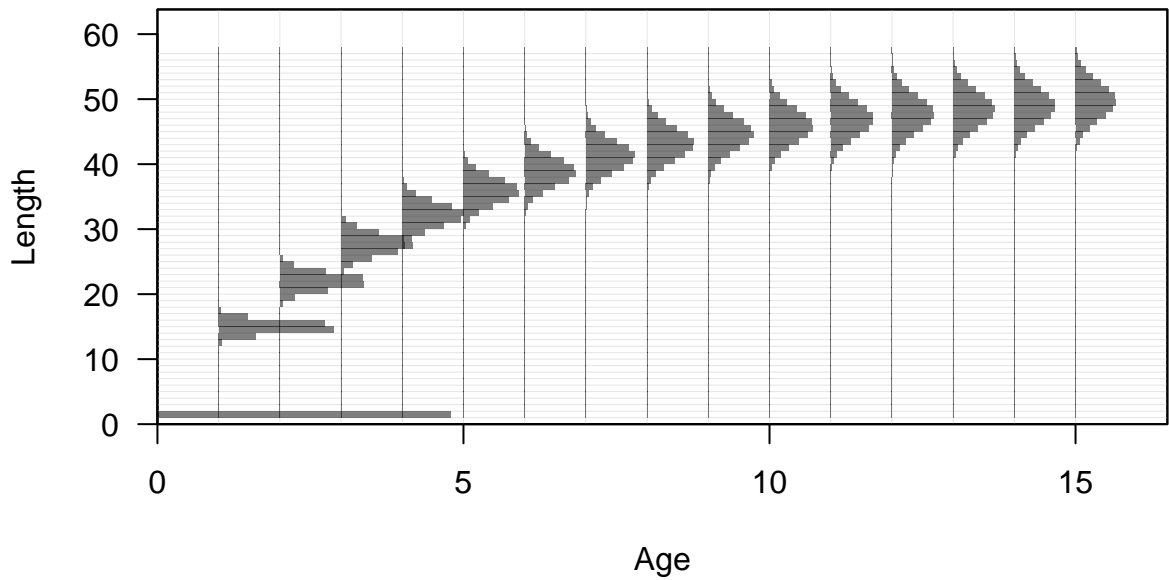


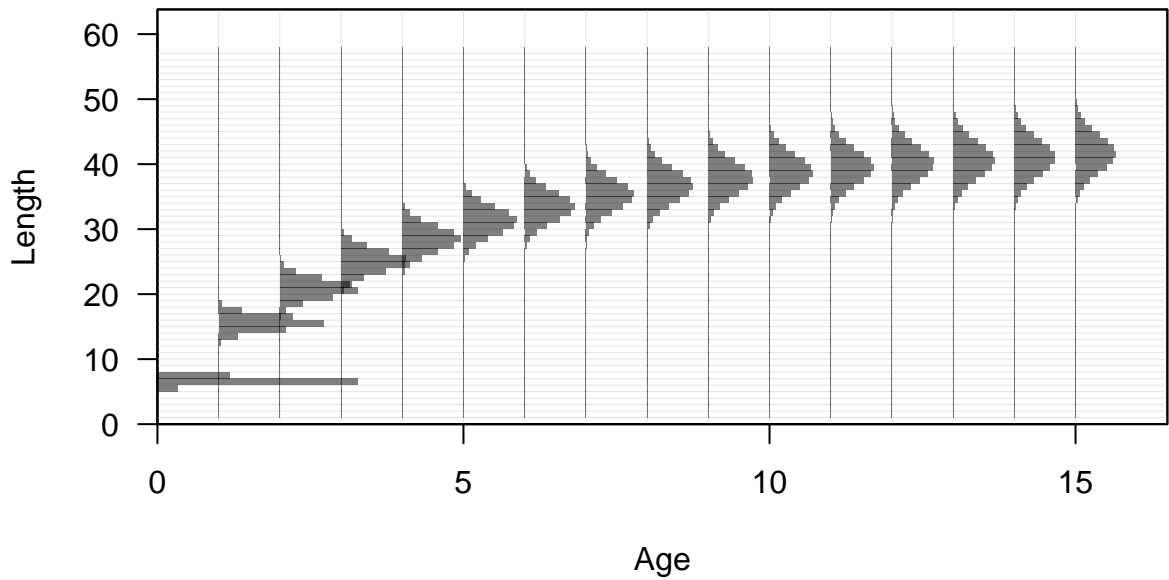


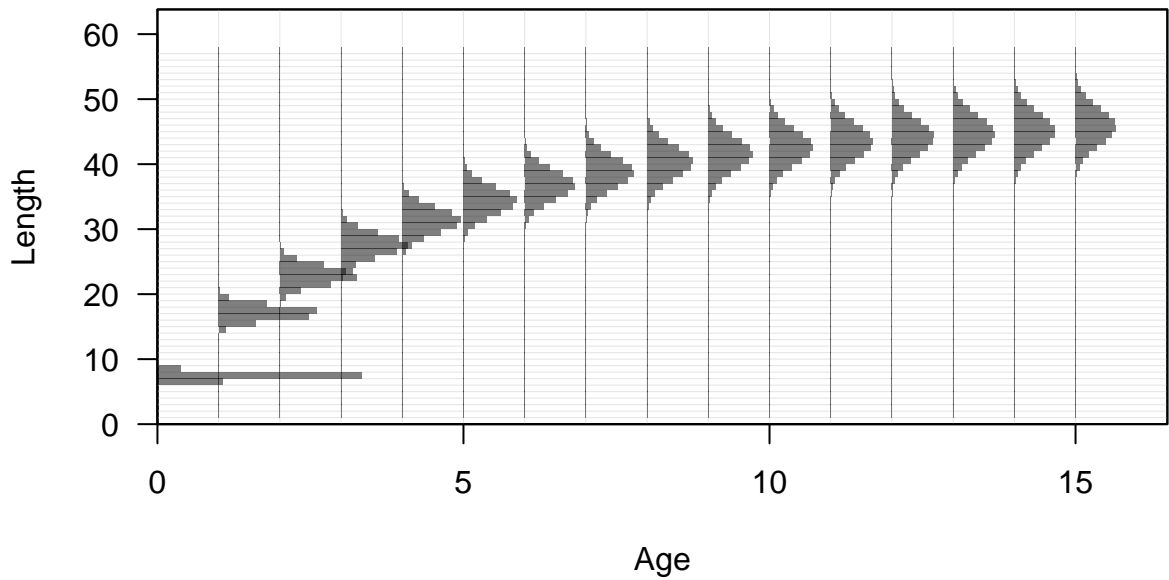


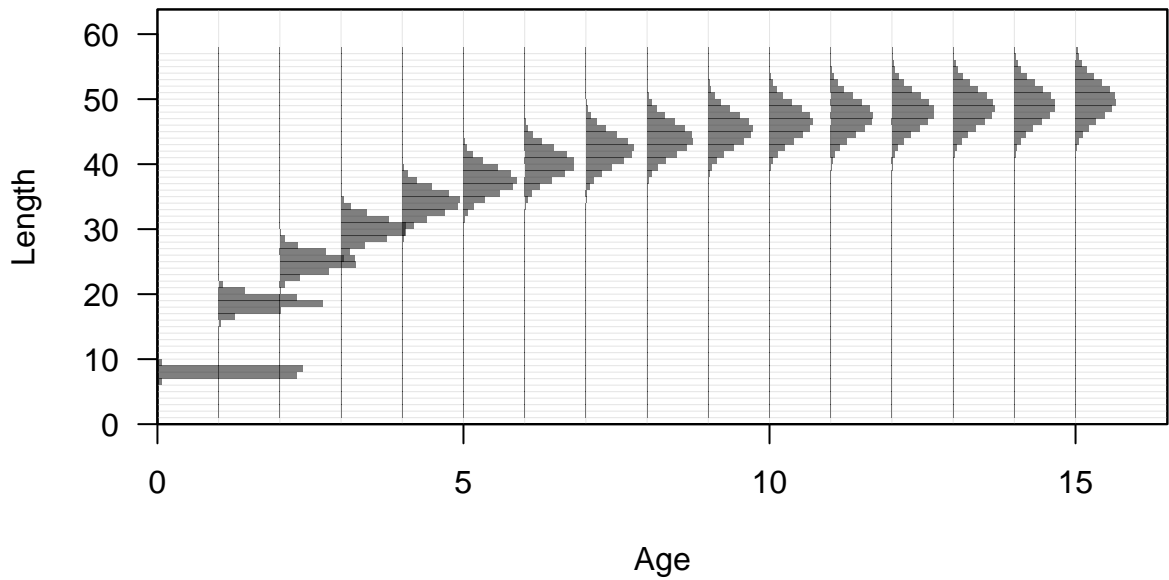


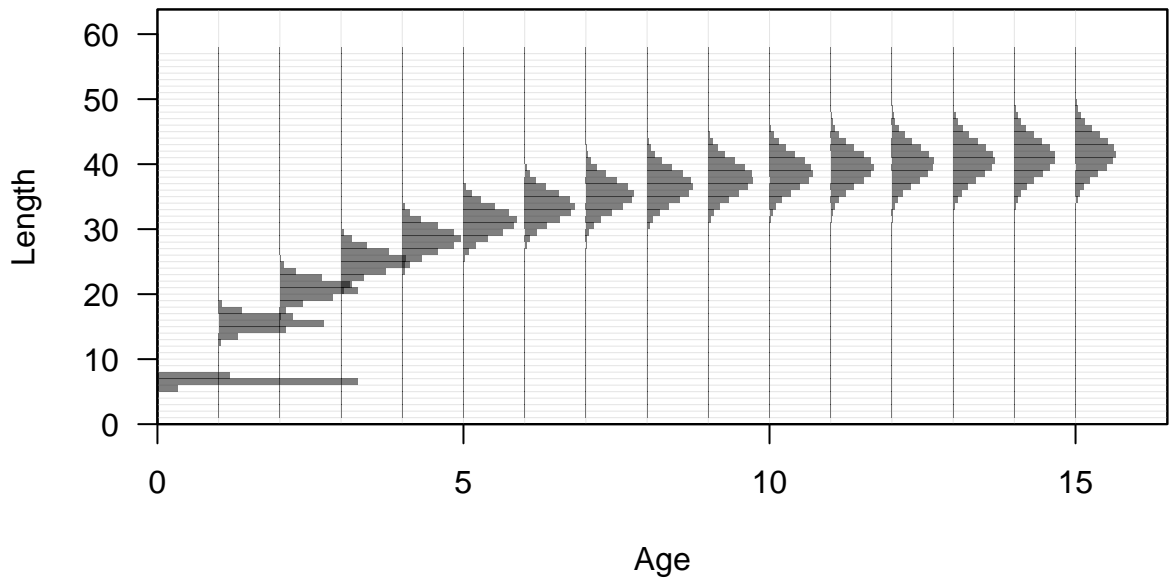


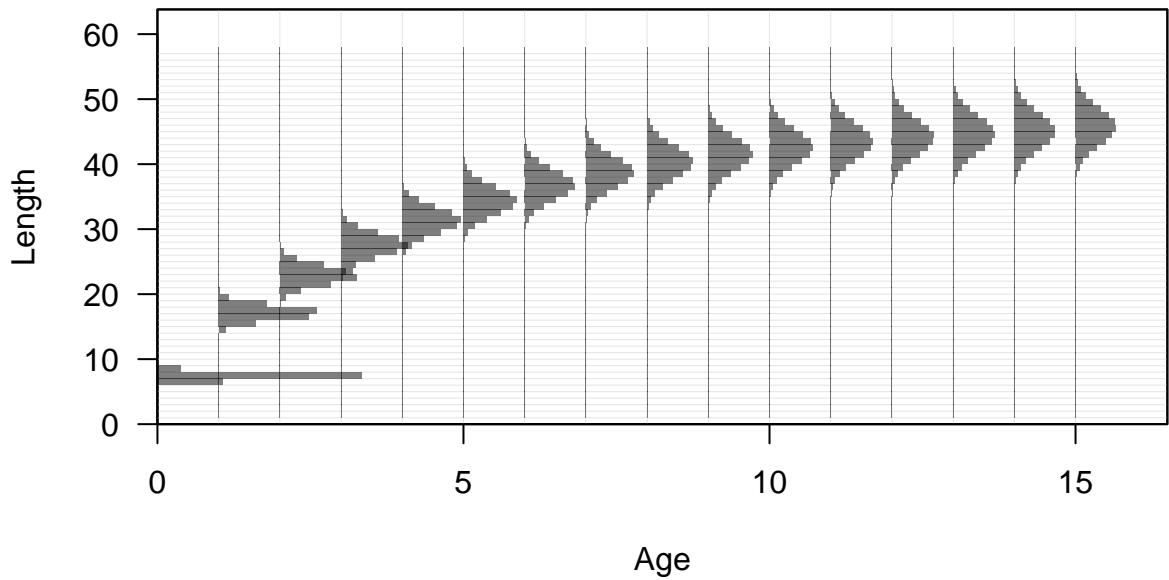


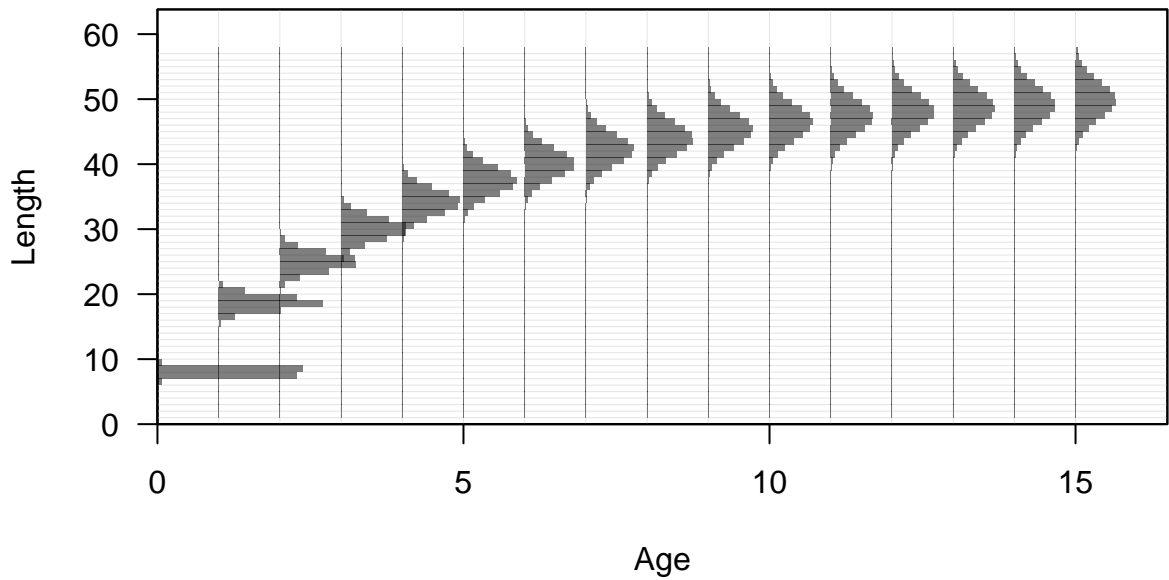






















Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

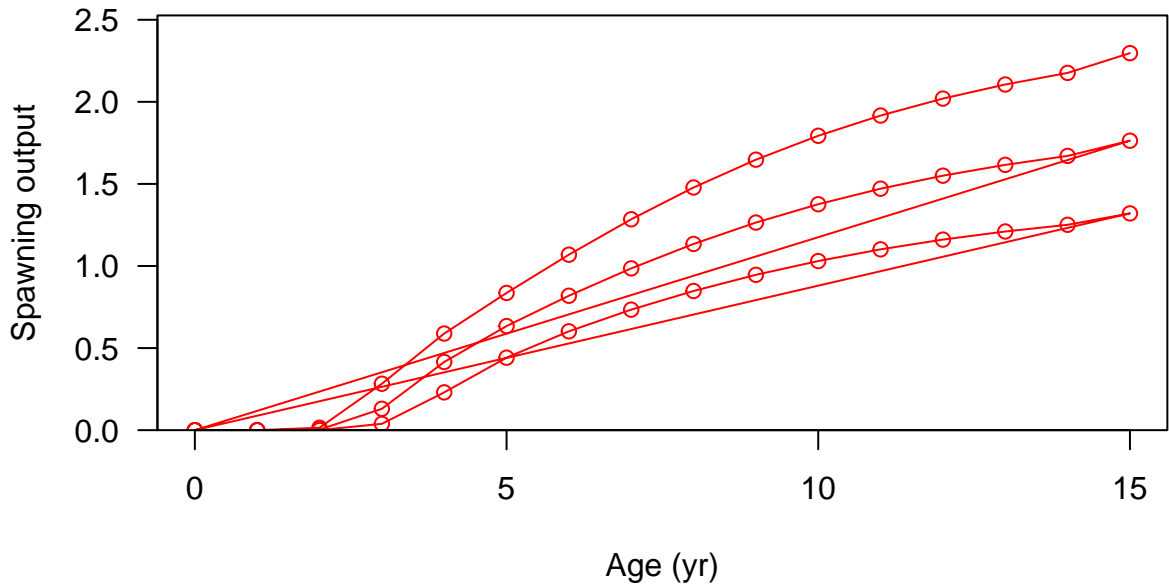
30

40

50

Length (cm)







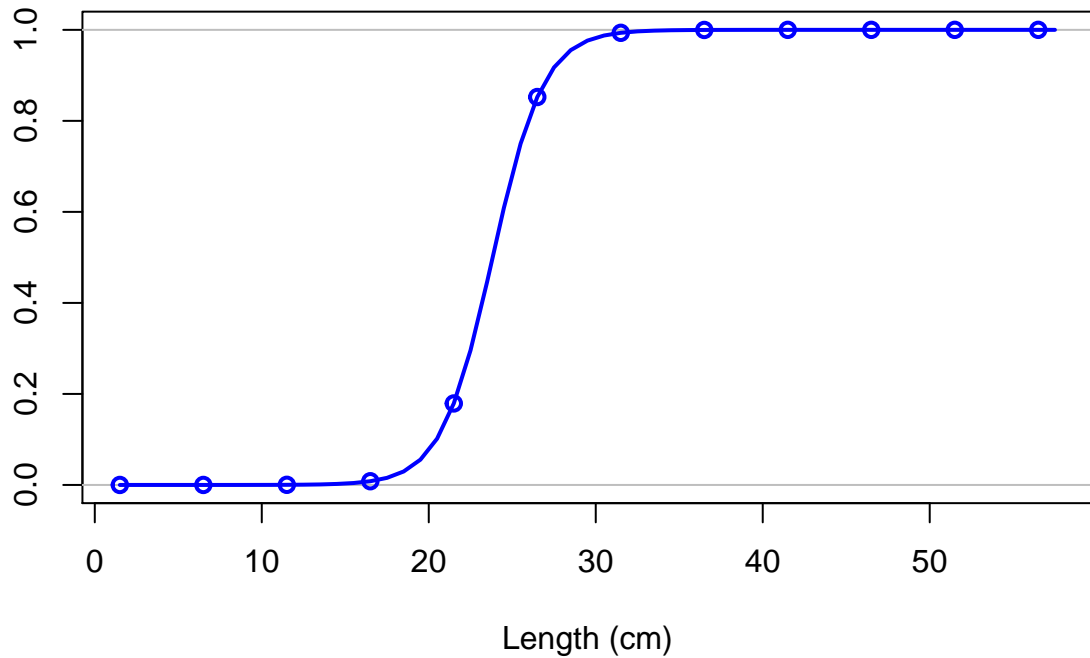
Hermaphroditism transition rate



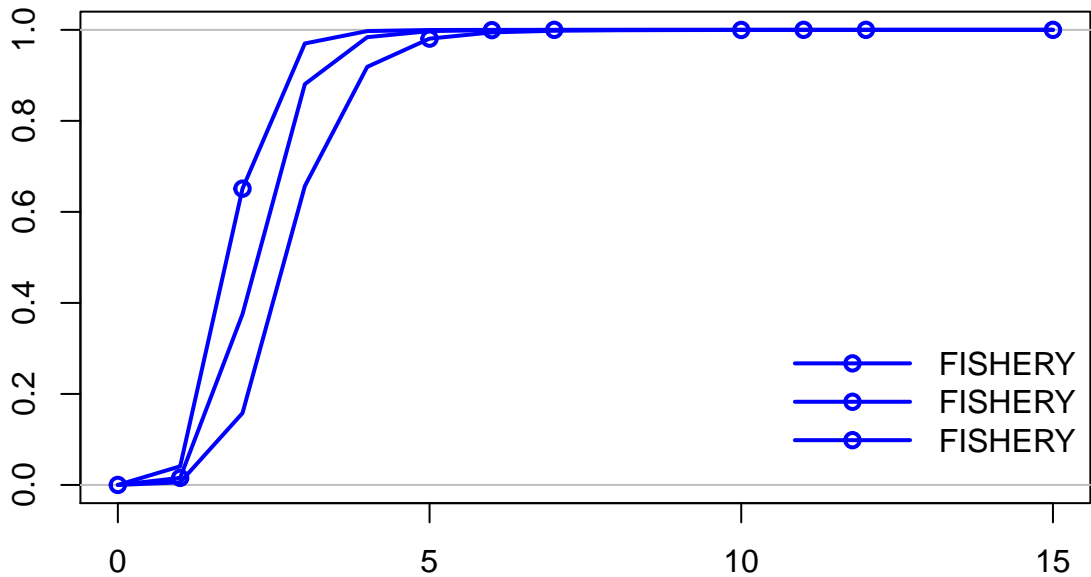
Fraction females by age at equilibrium



Selectivity

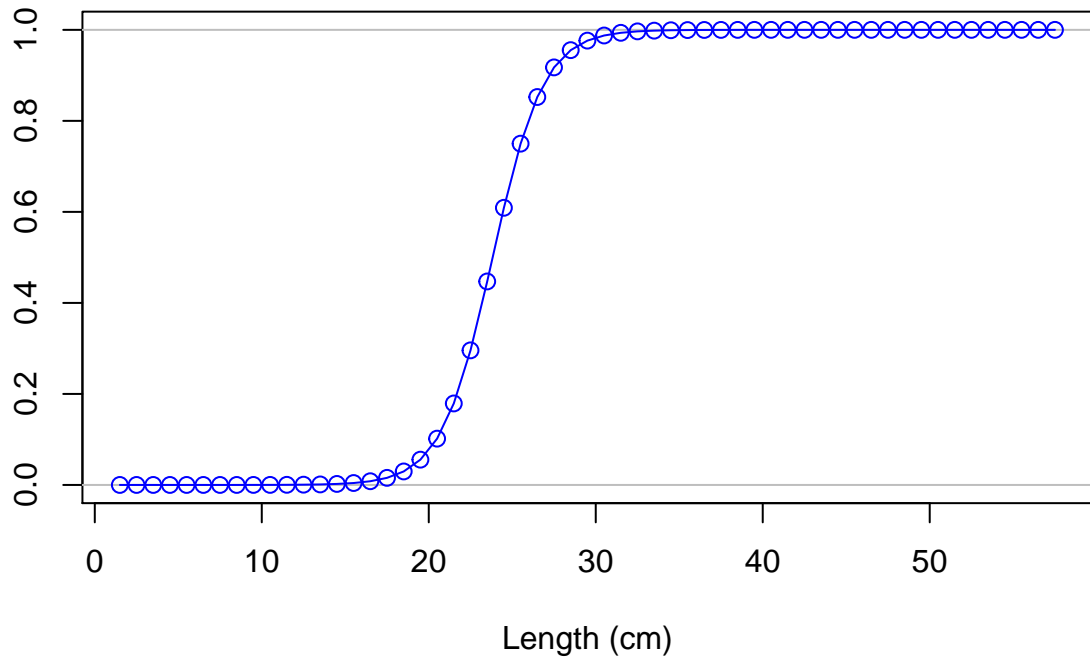


Selectivity

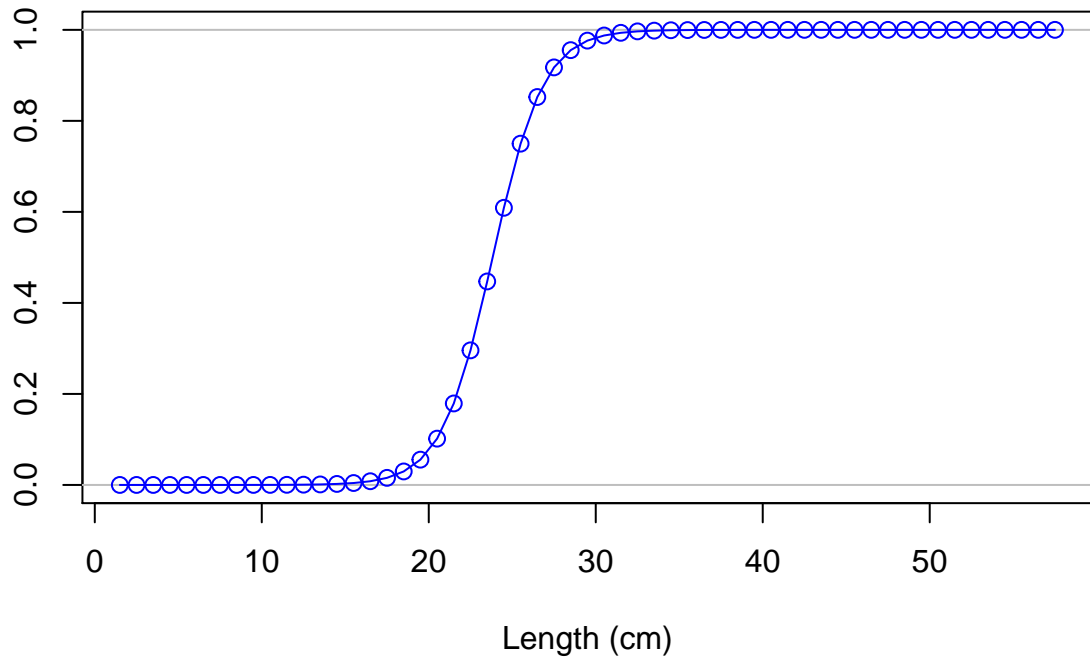


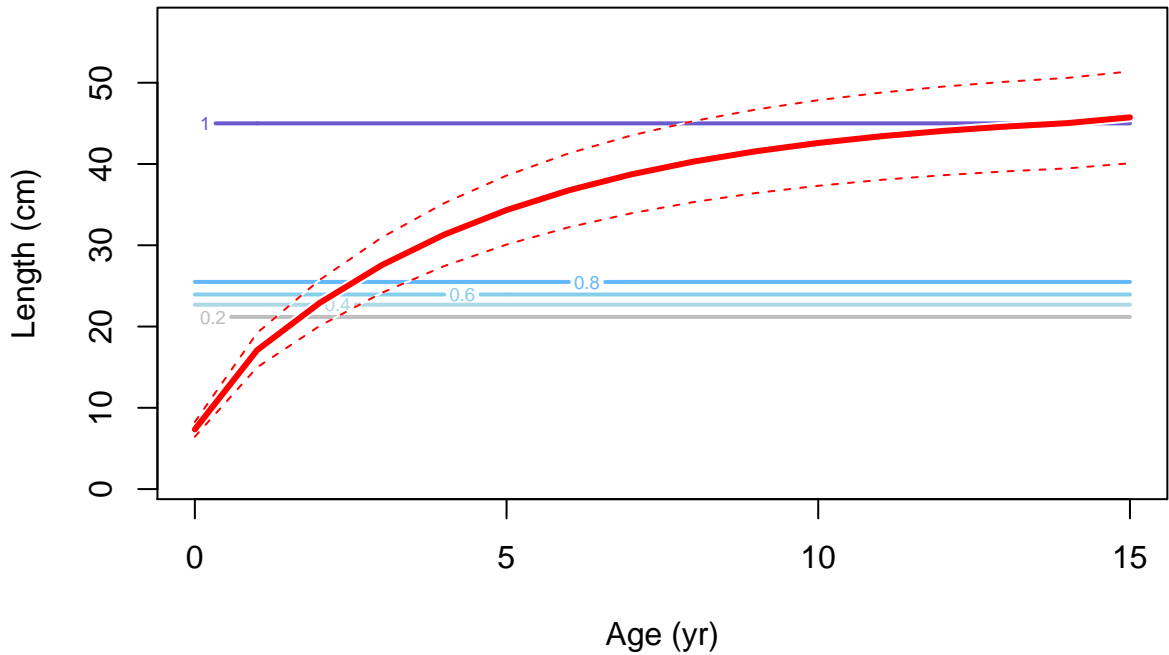
Age (yr)

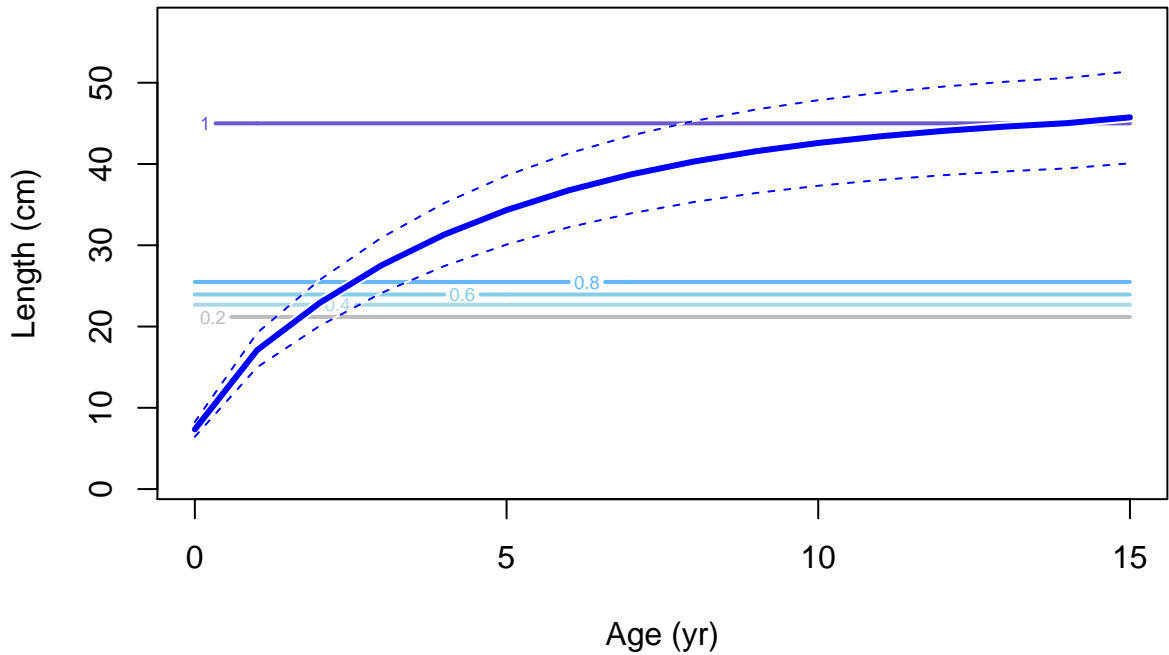
Selectivity



Selectivity

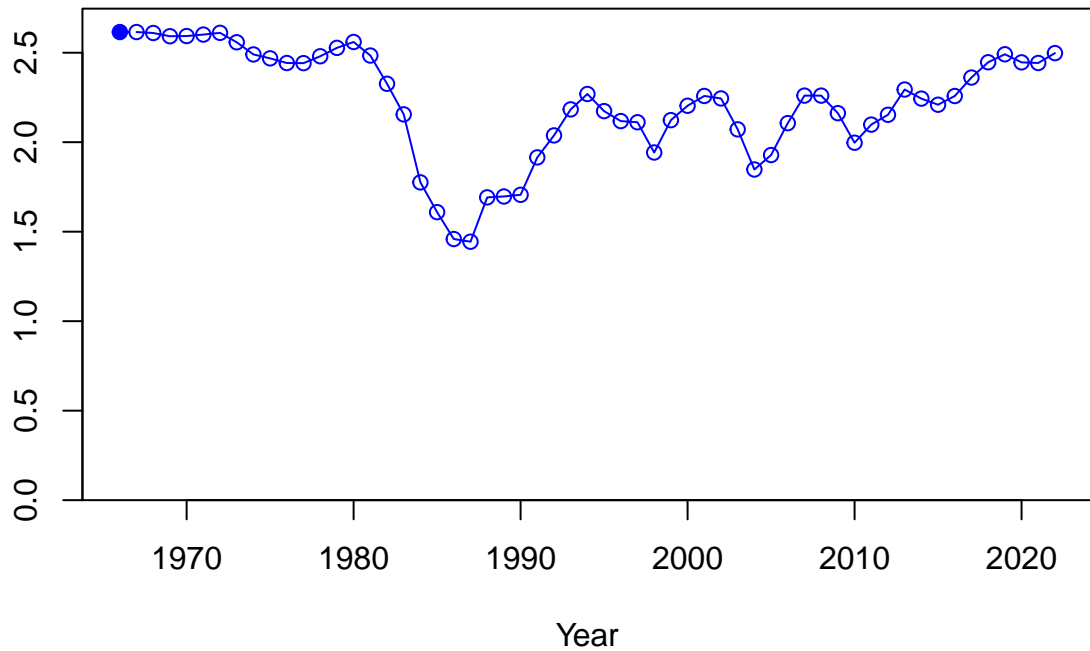




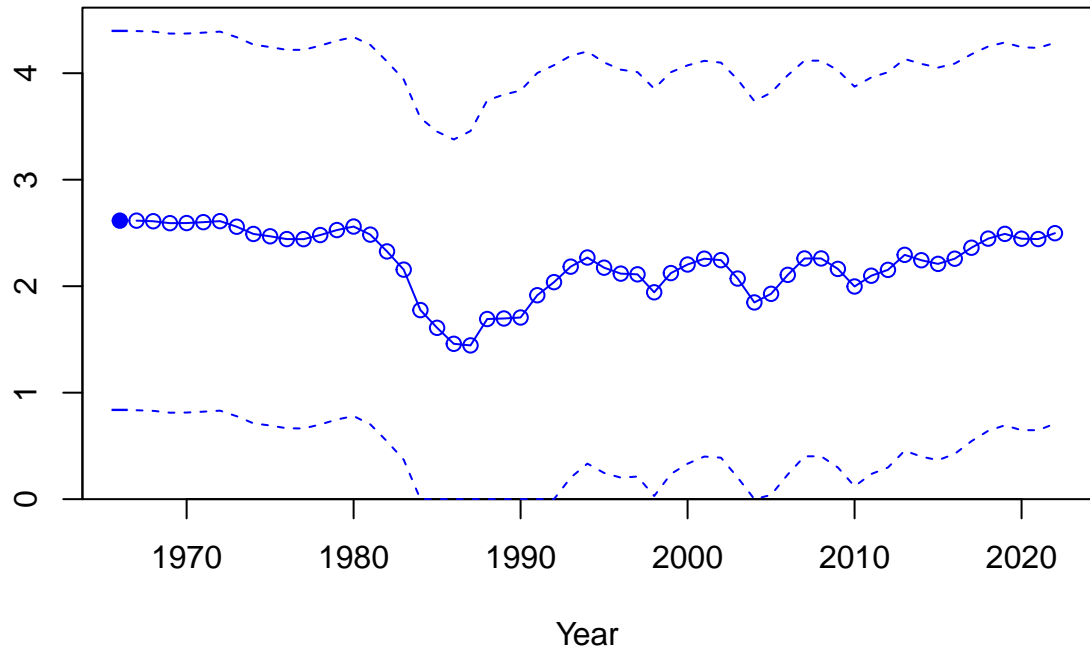




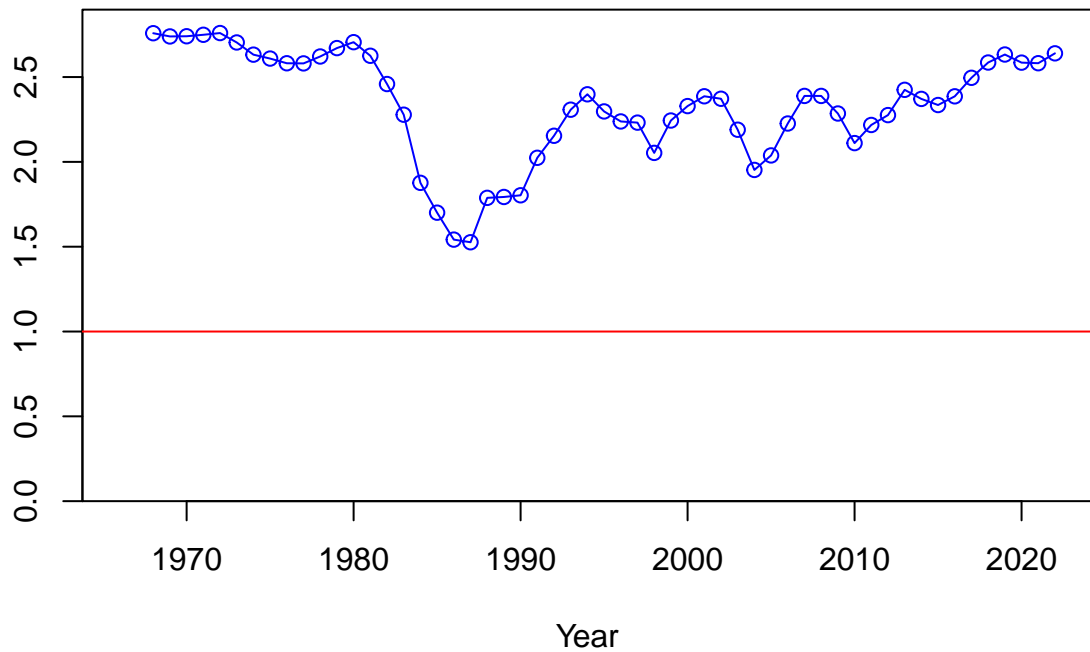
Spawning biomass (mt)



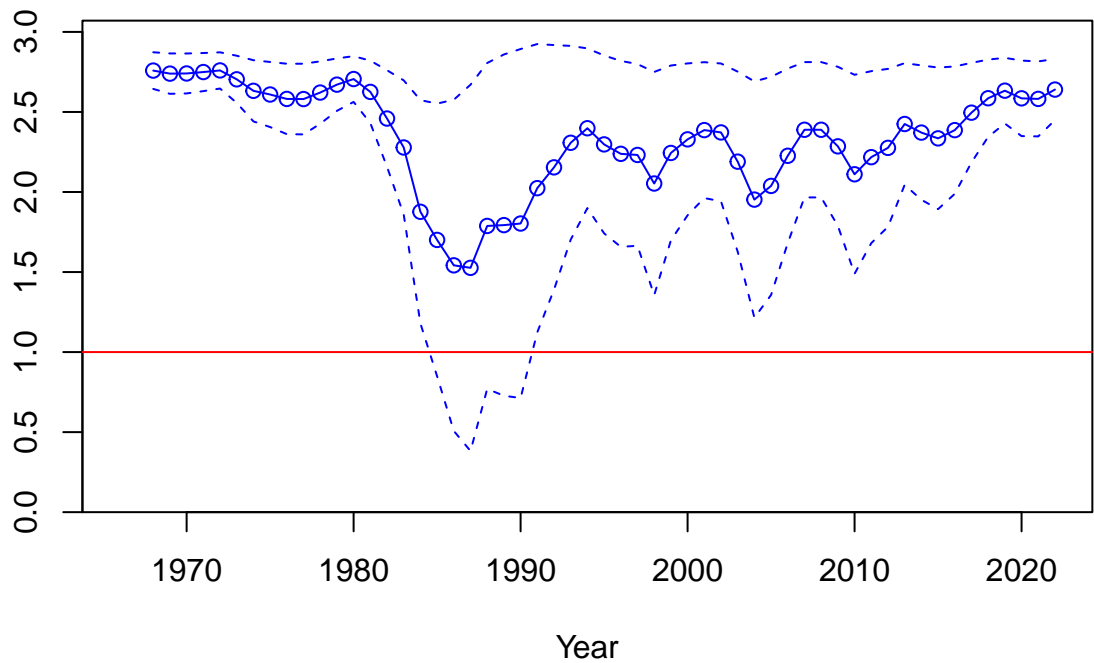
Spawning biomass (mt)

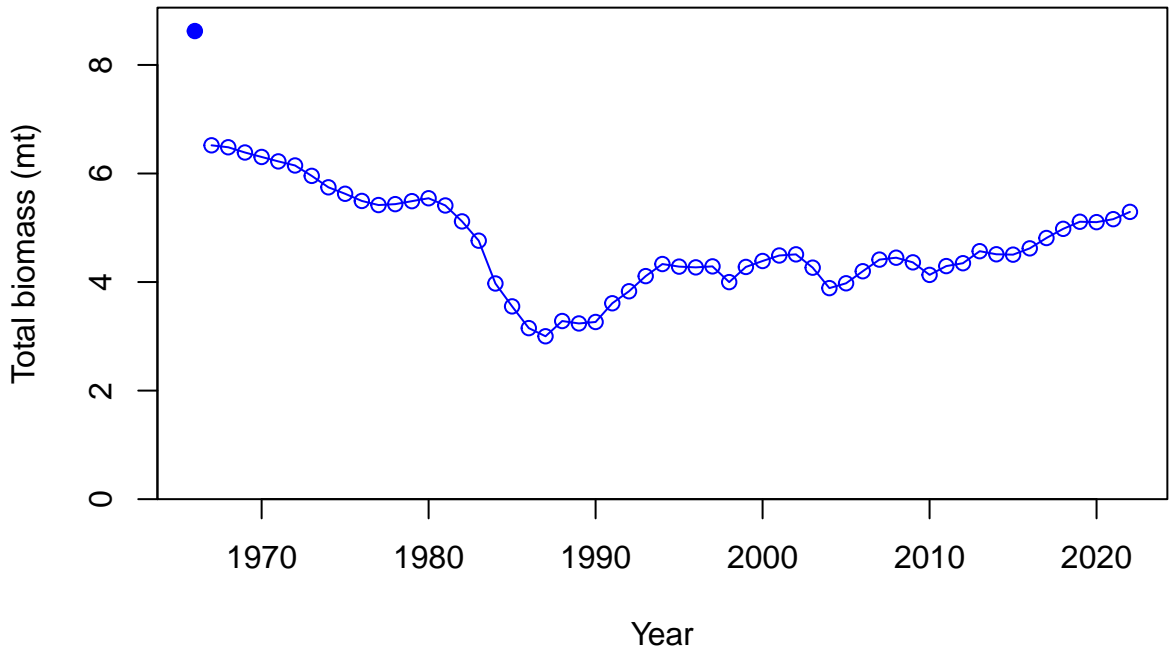


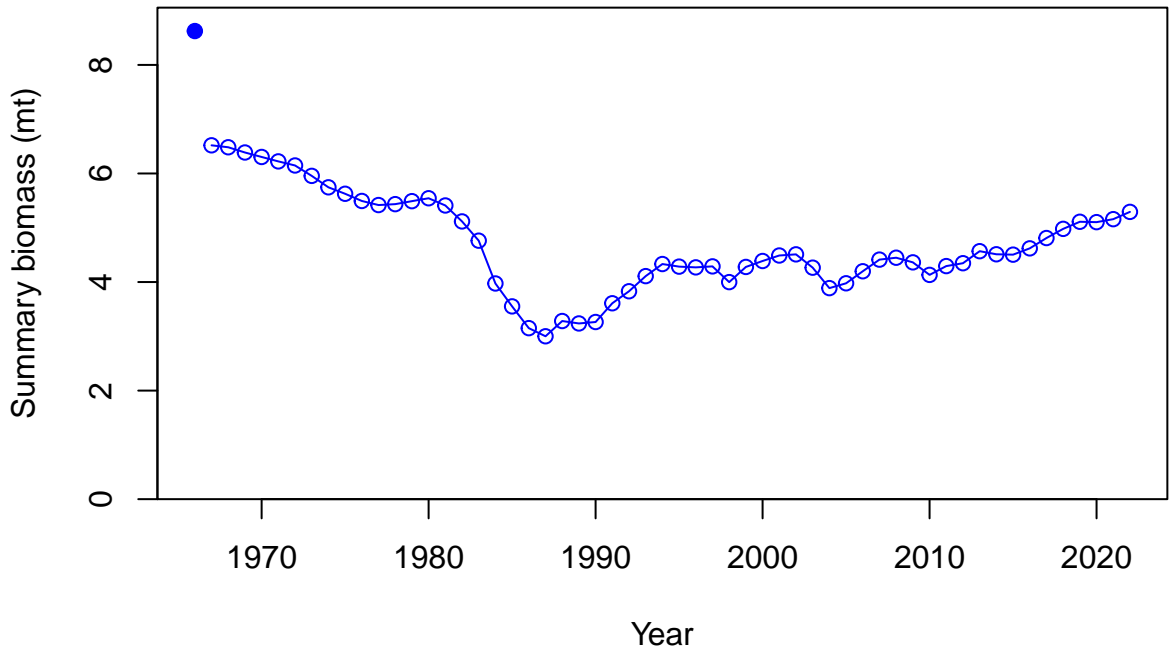
Relative spawning biomass:  $B/B_{MSY}$



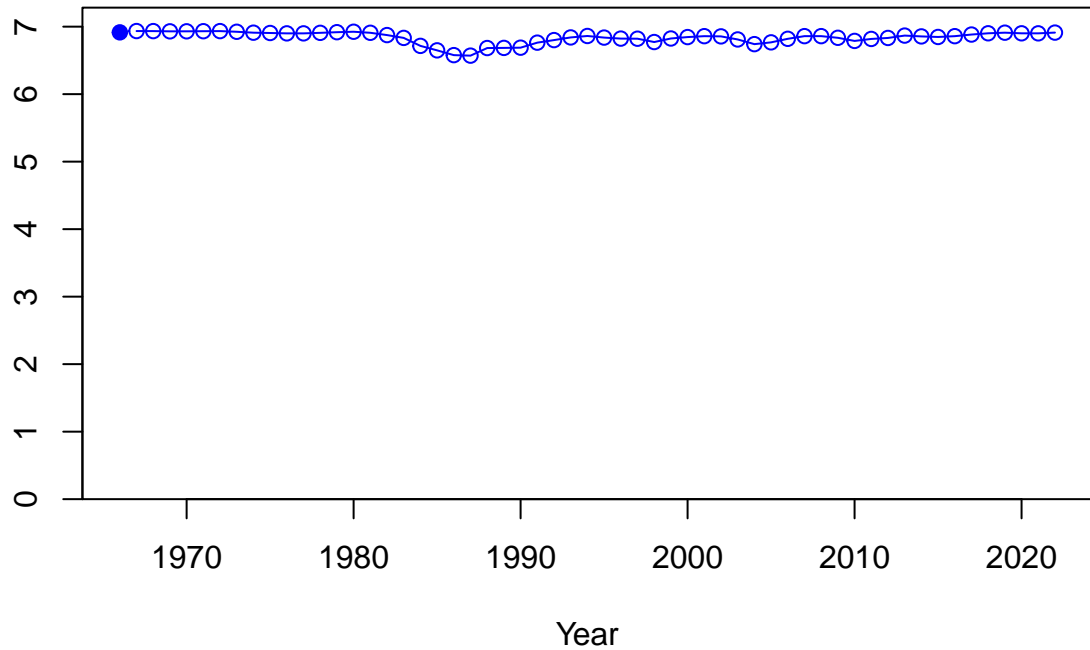
Relative spawning biomass: B/B<sub>MSY</sub>

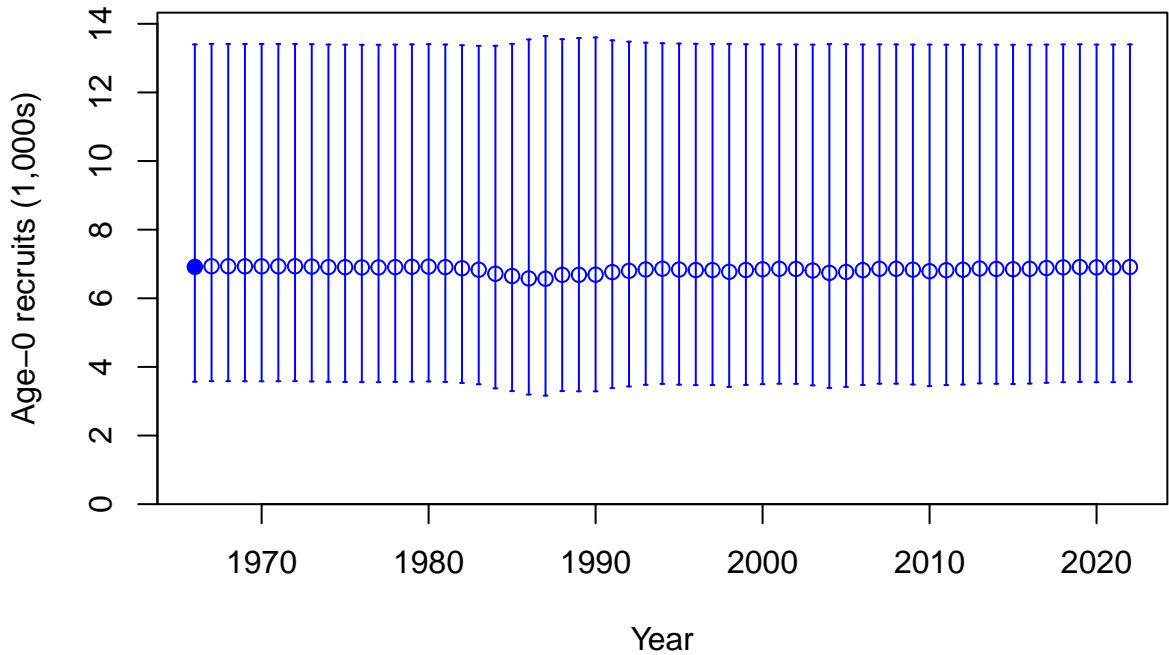






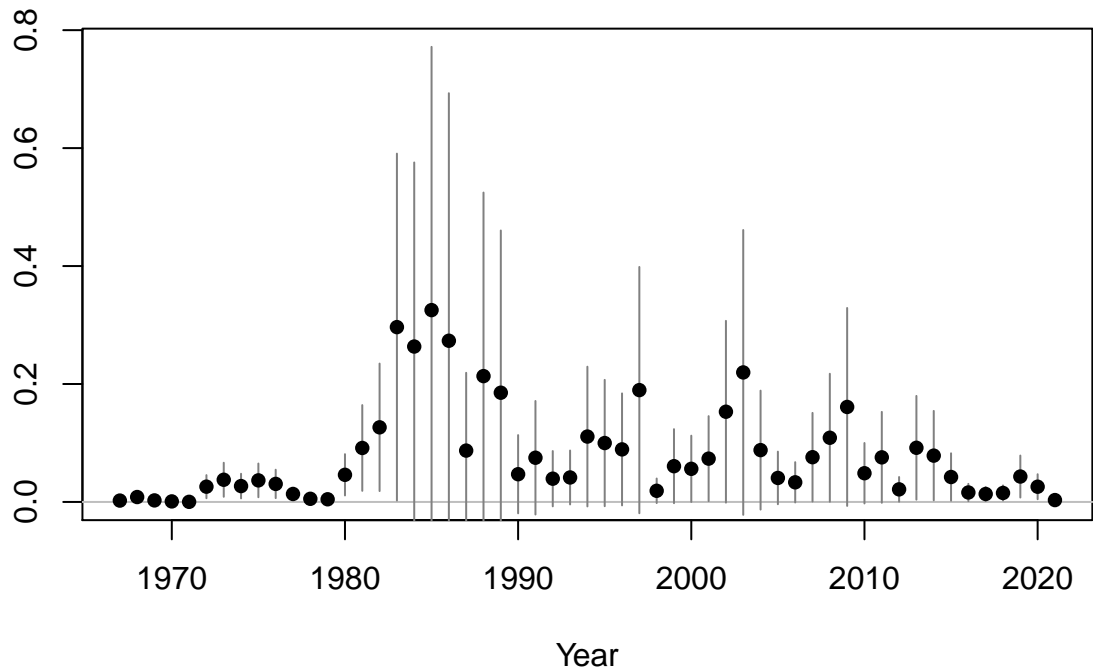
Age-0 recruits (1,000s)

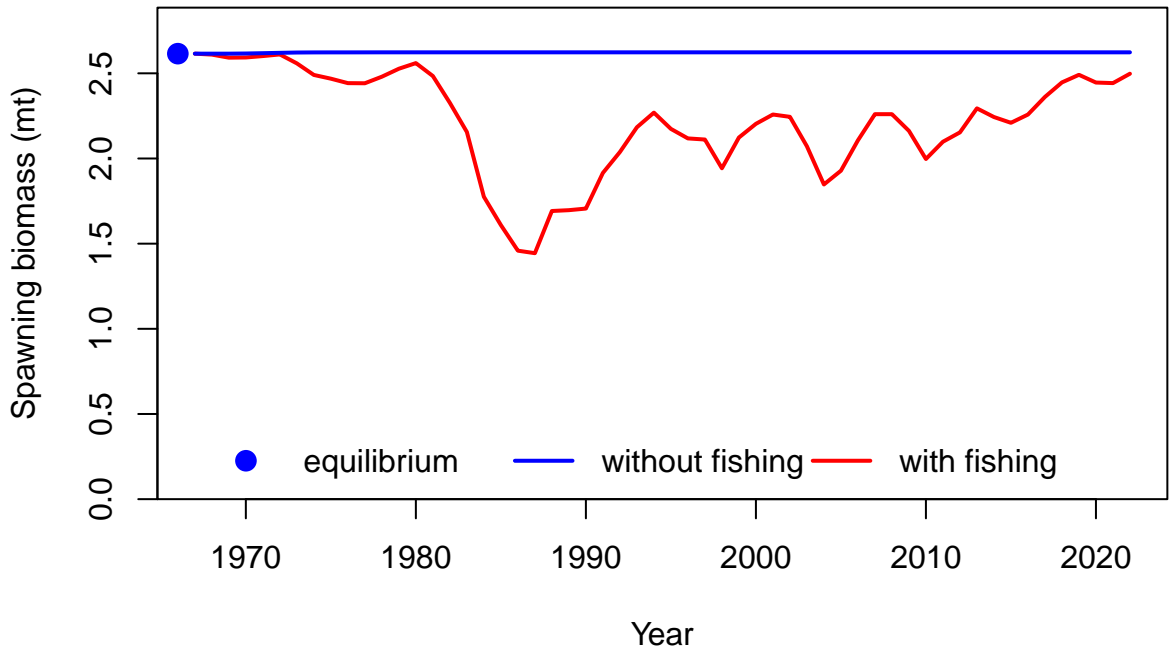


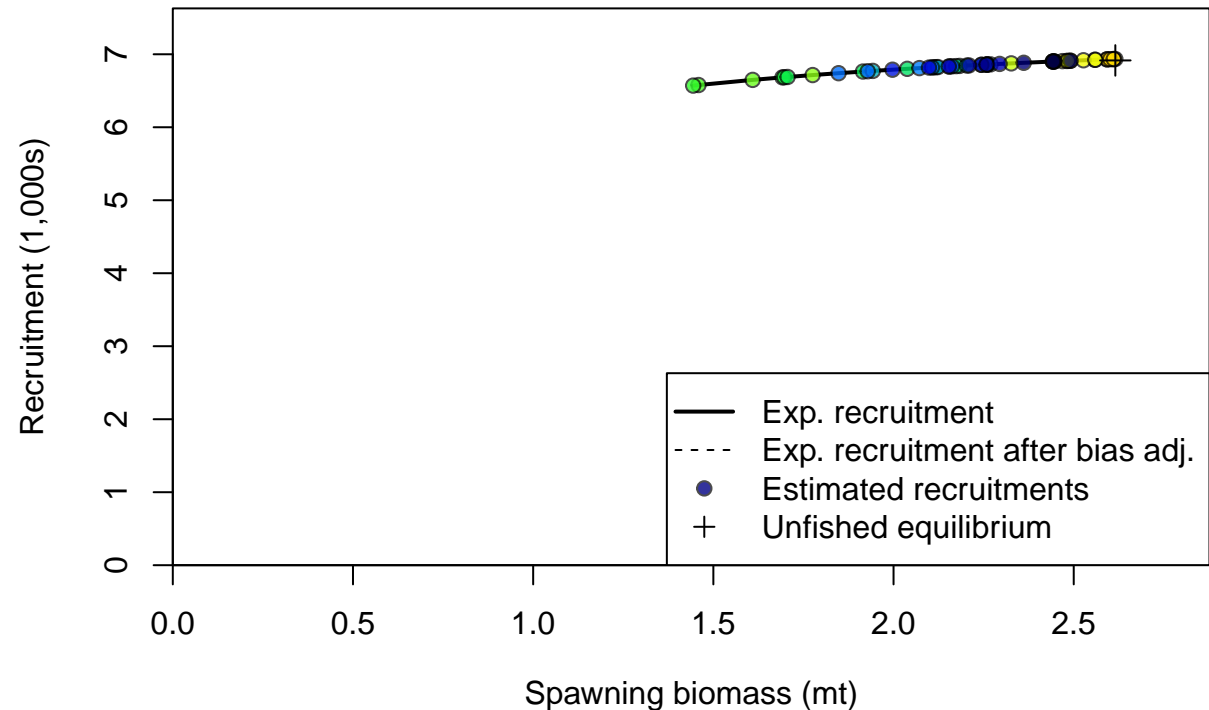


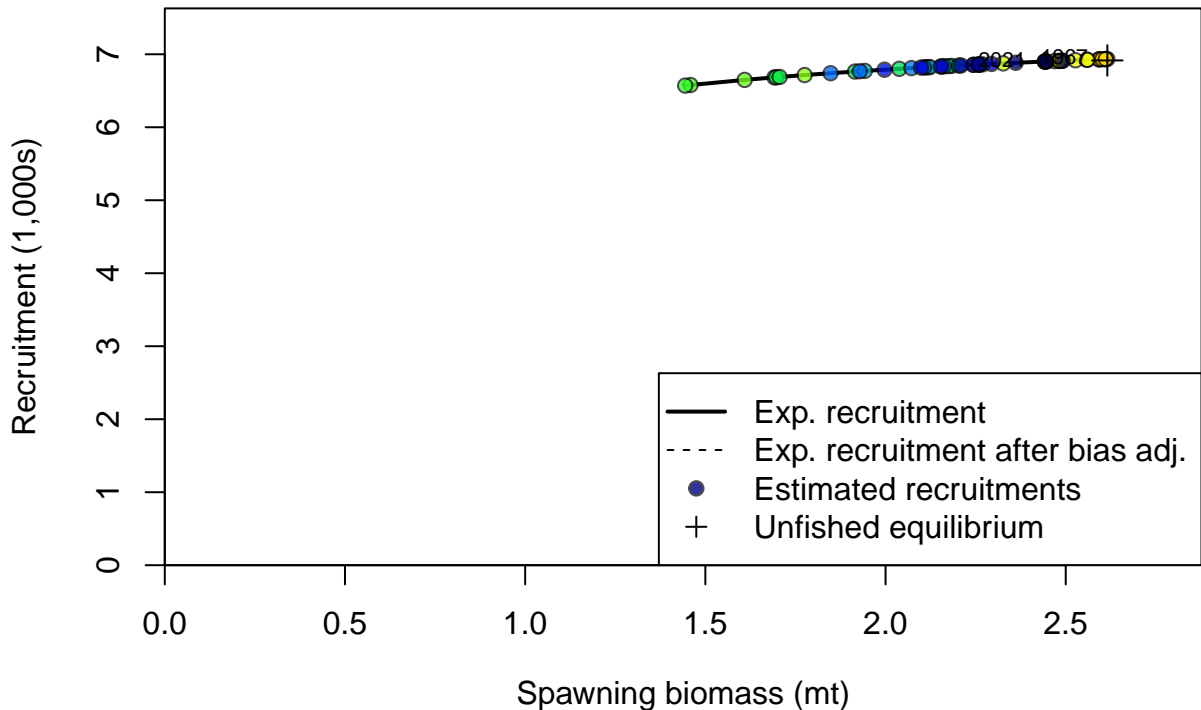


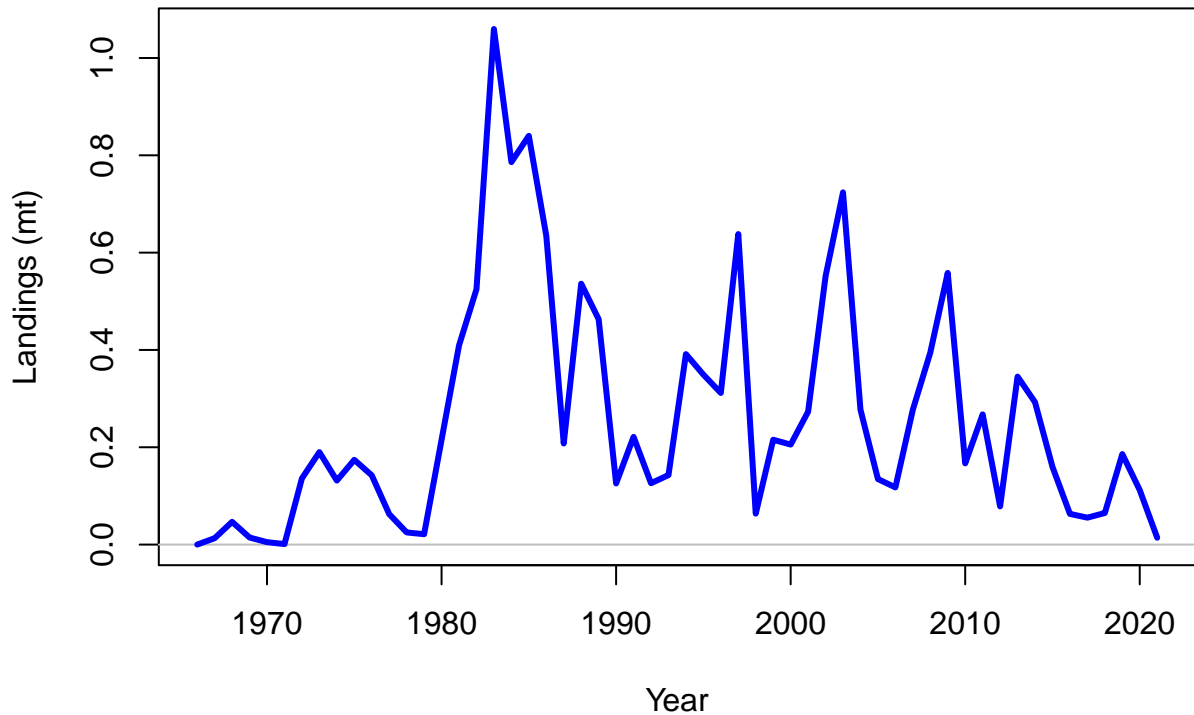
Summary Fishing Mortality

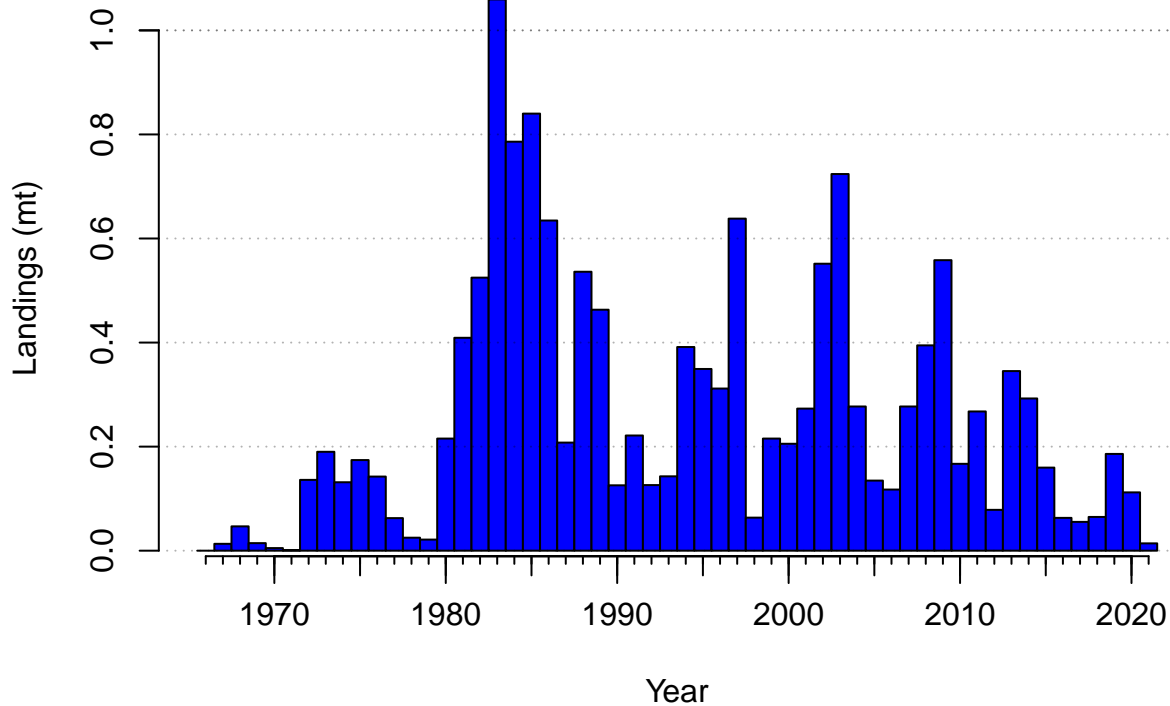


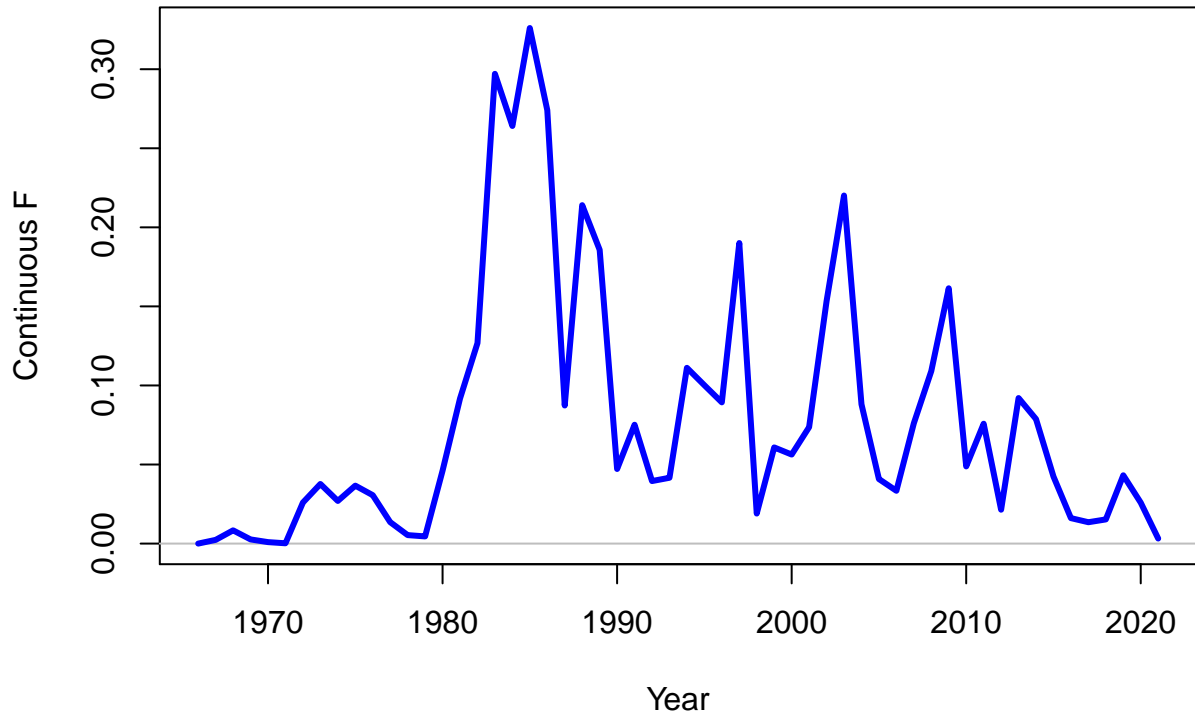




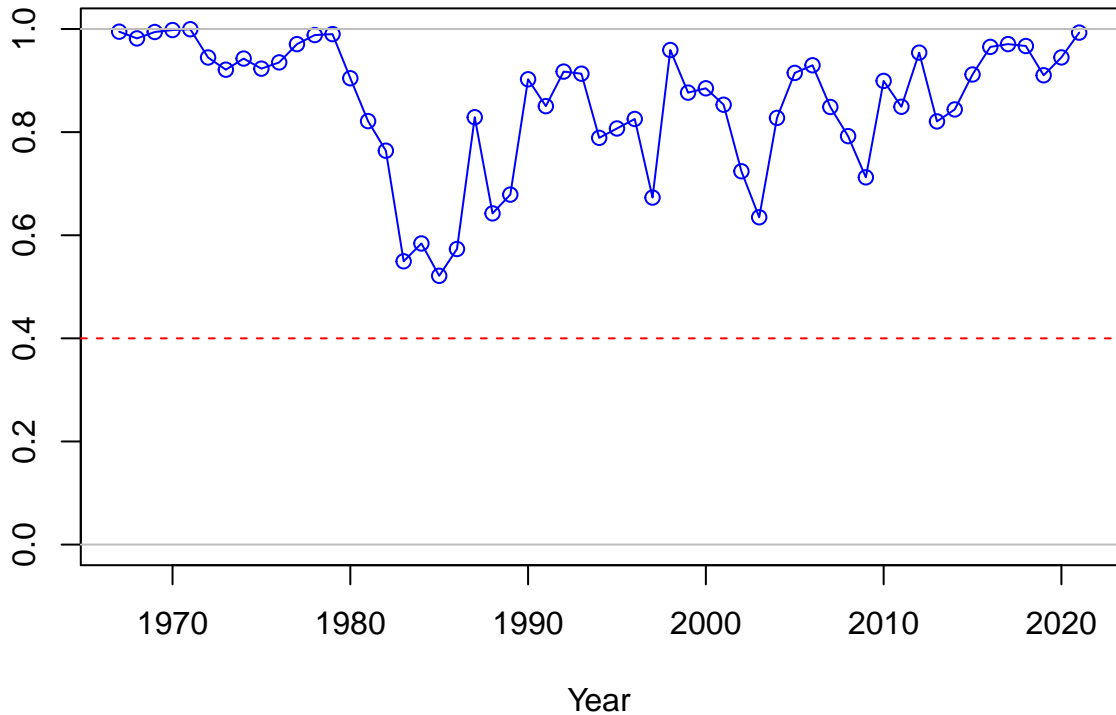






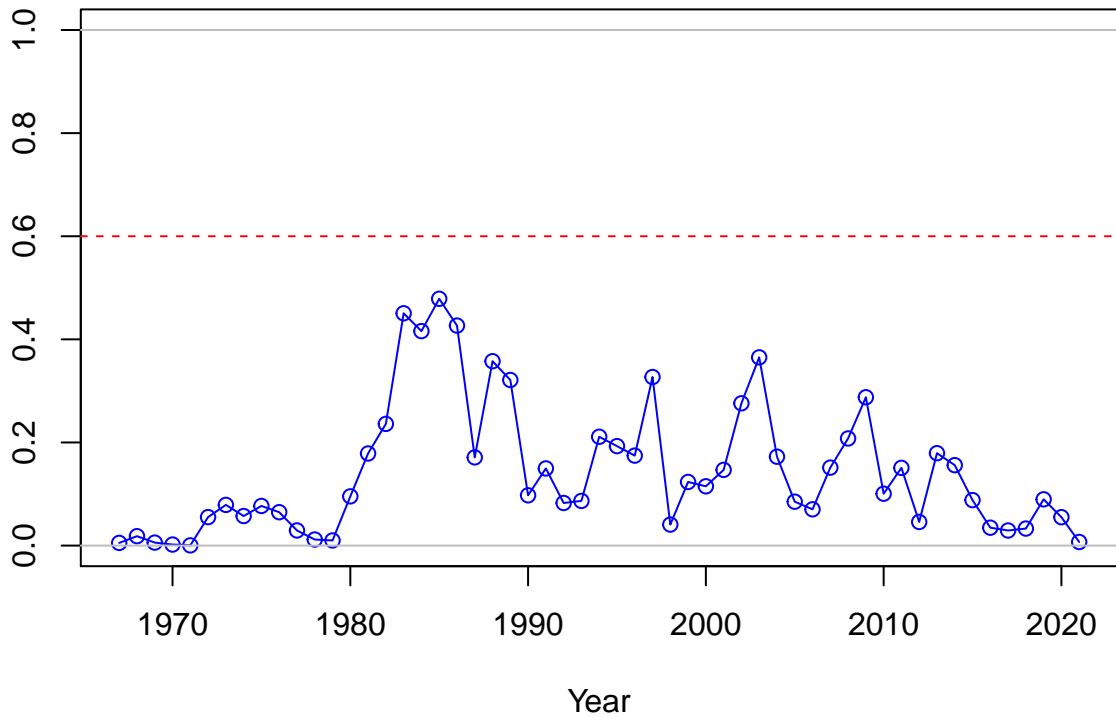


SPR

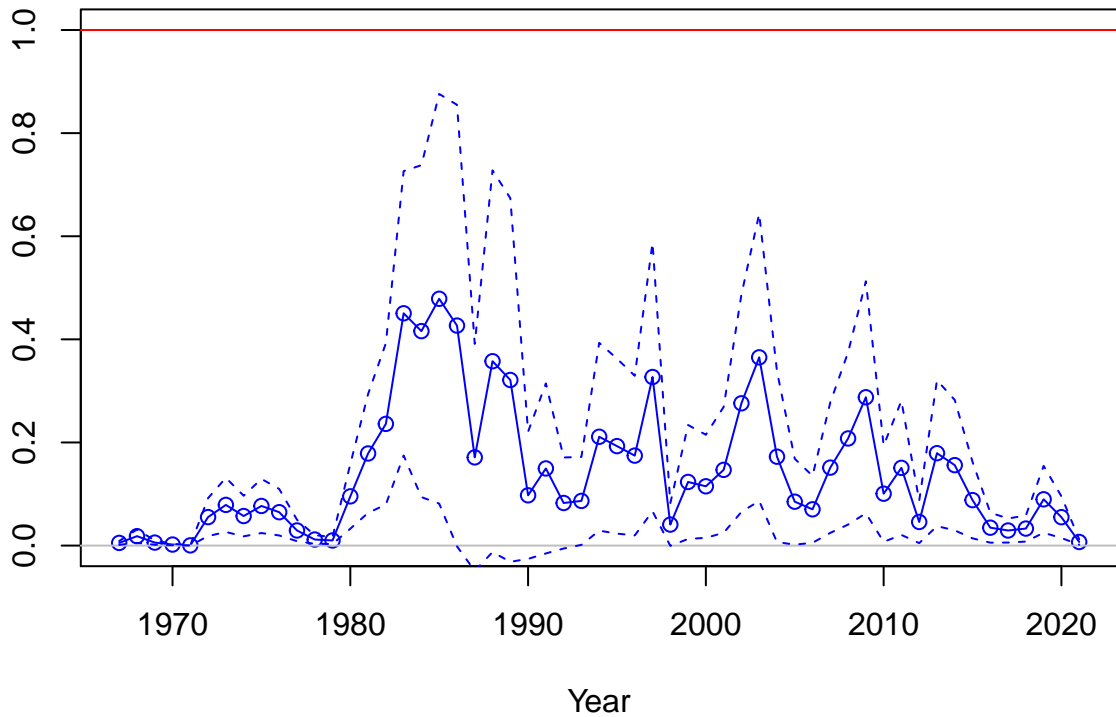




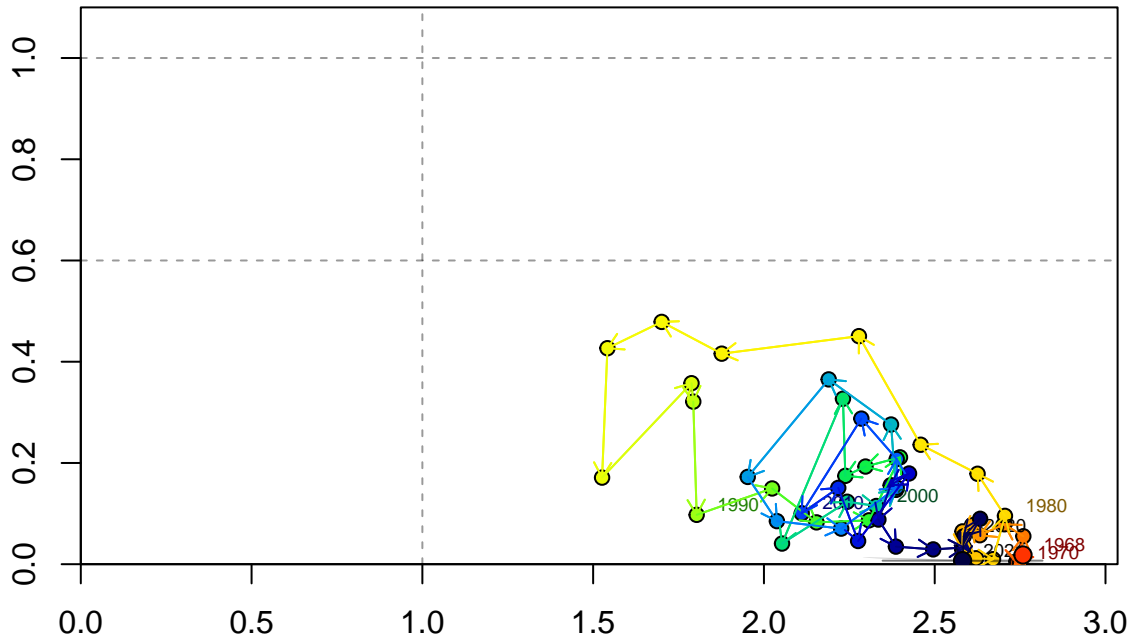
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR



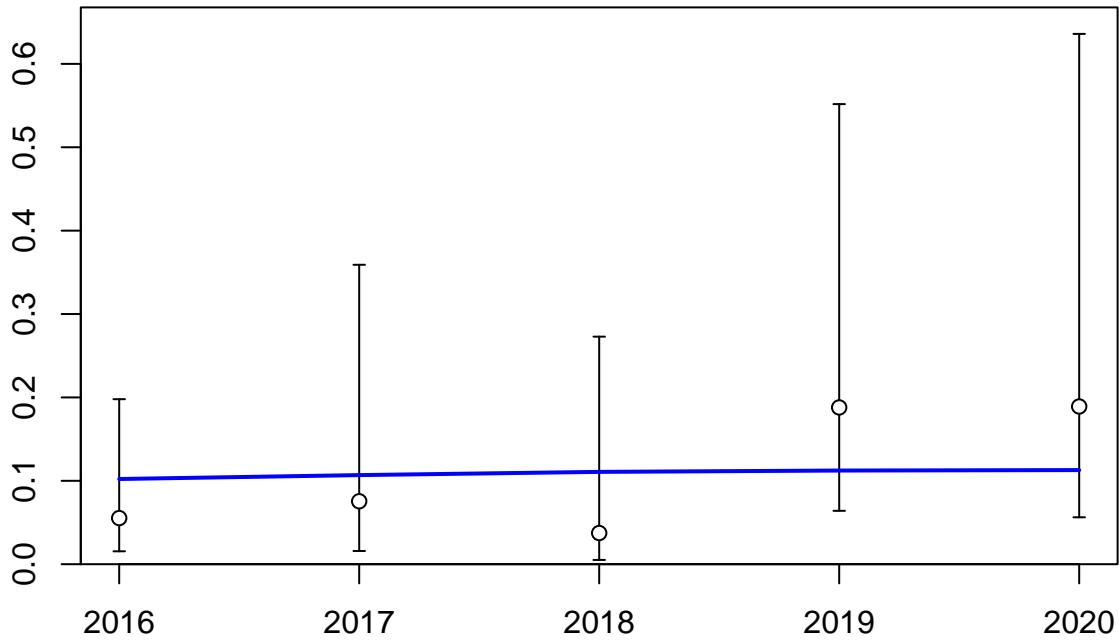
Relative spawning output: B/B\_MSY

Index

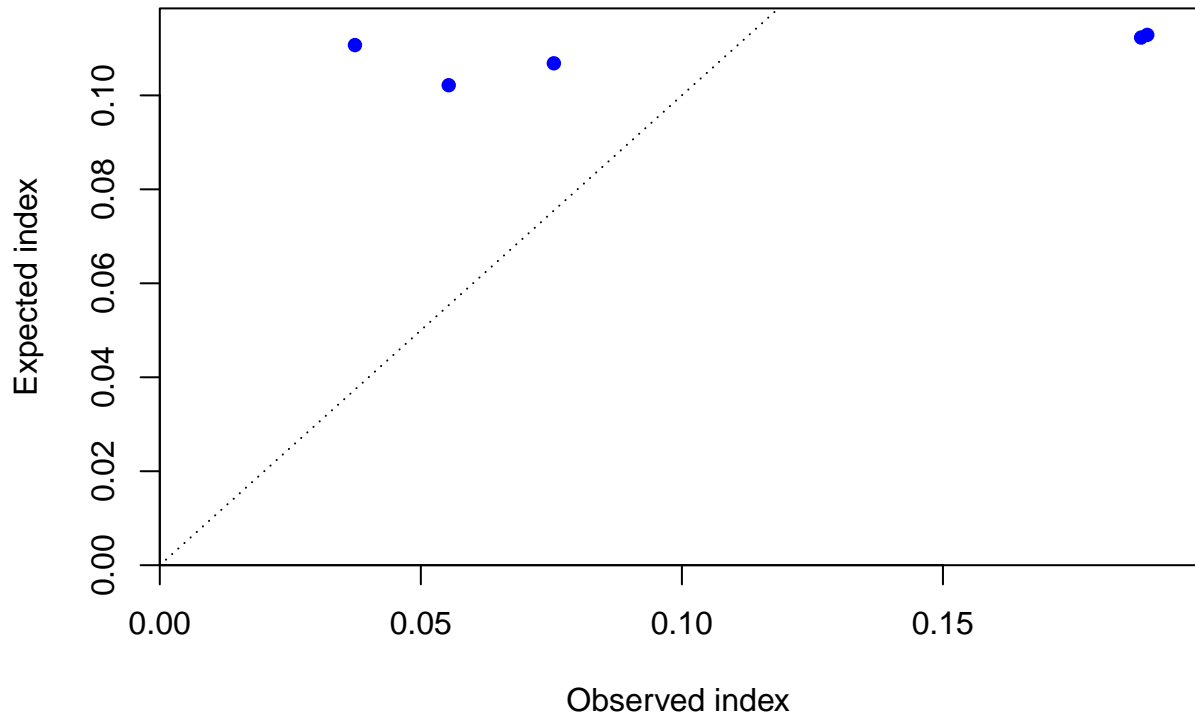


Year

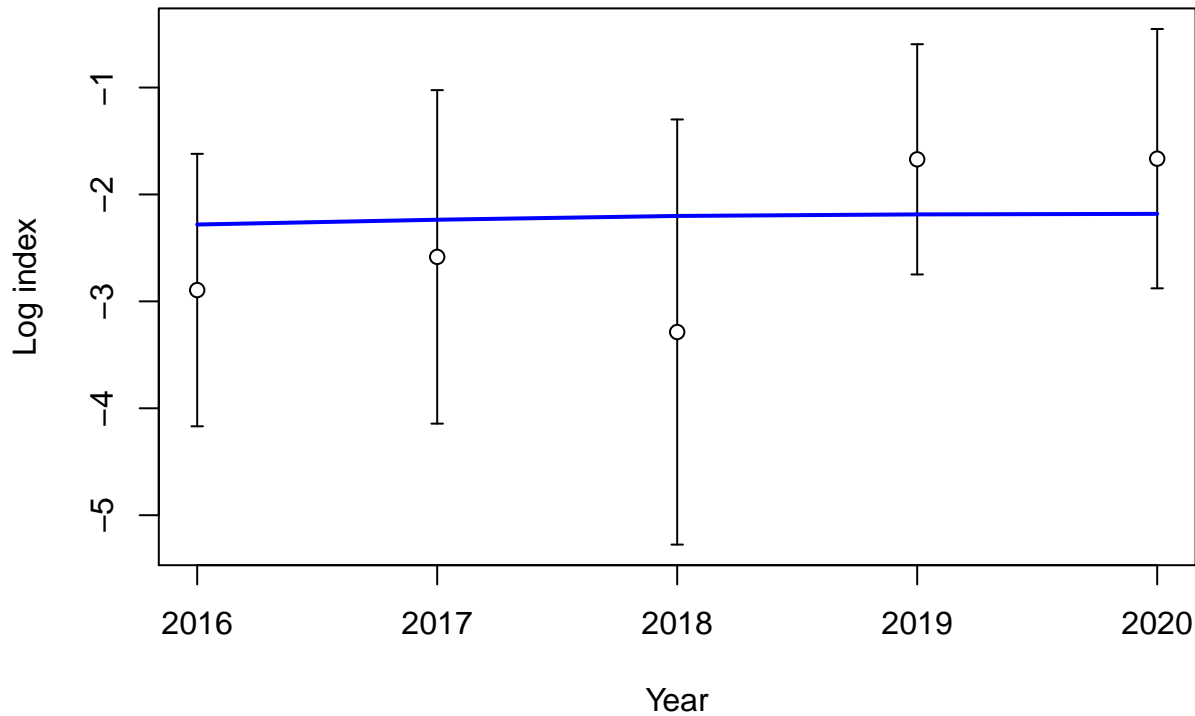
Index



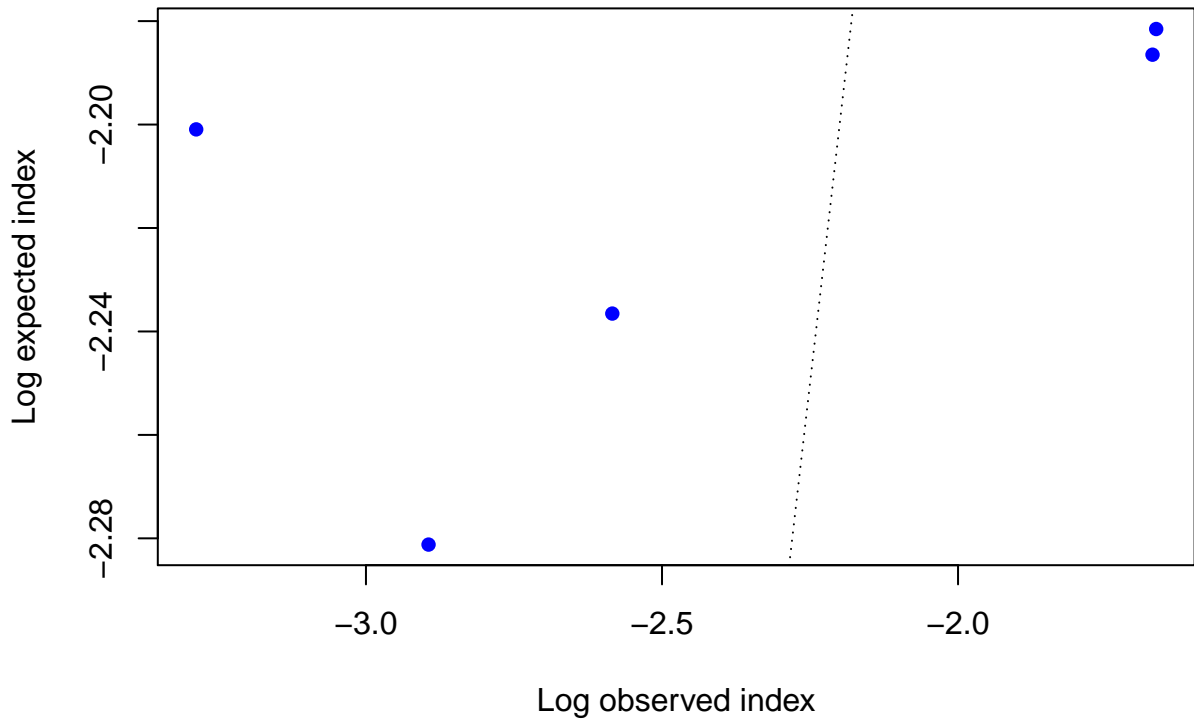
Year

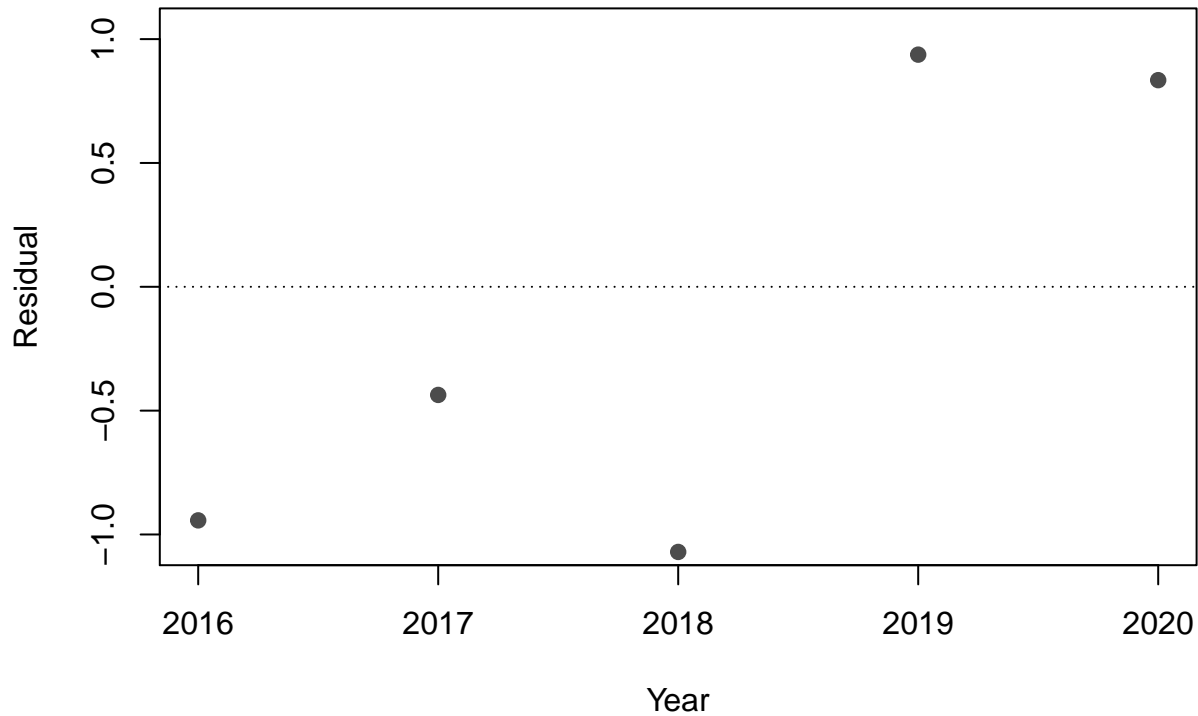


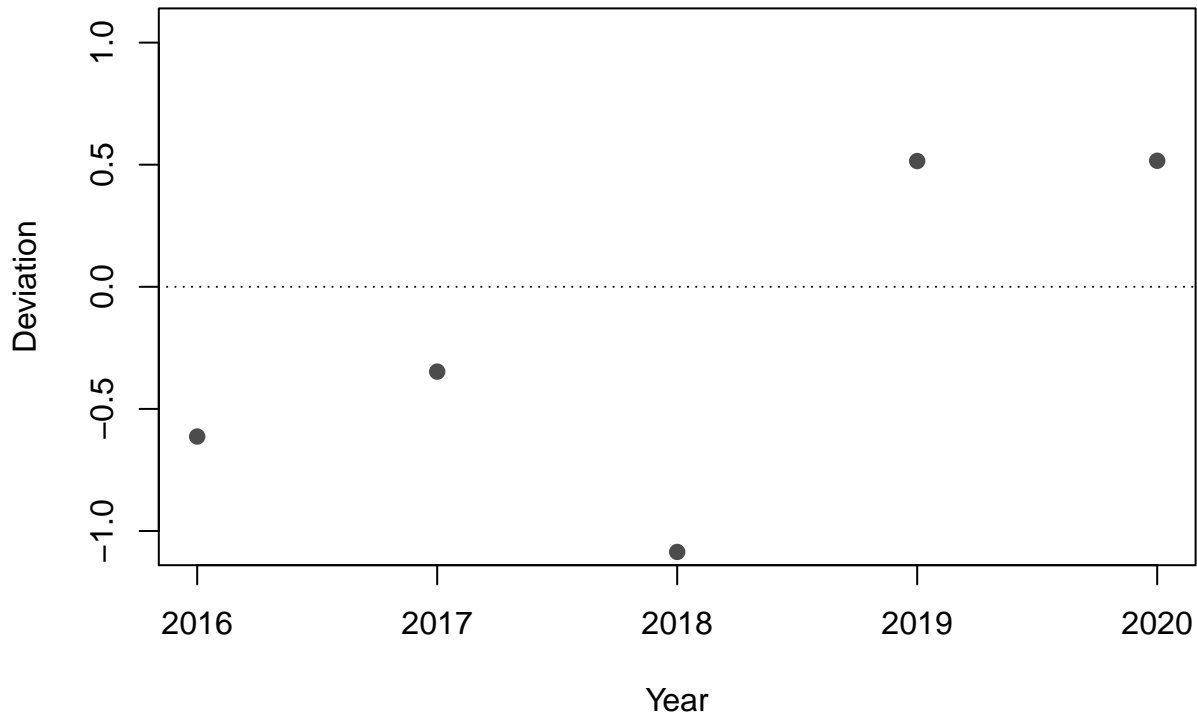






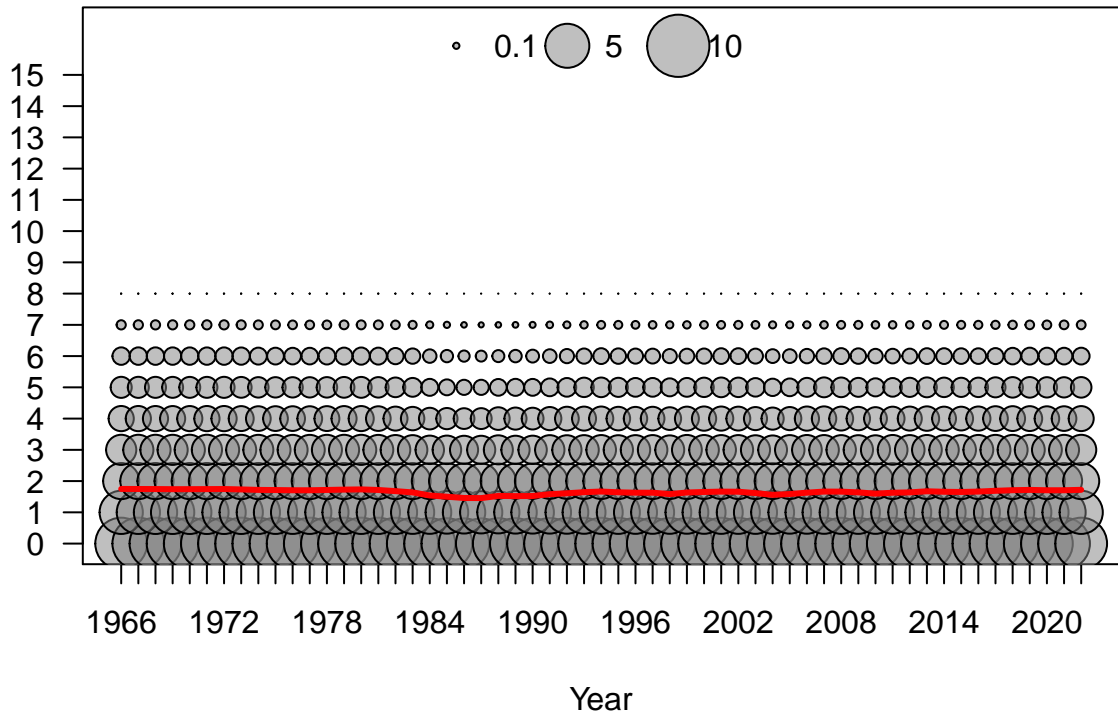


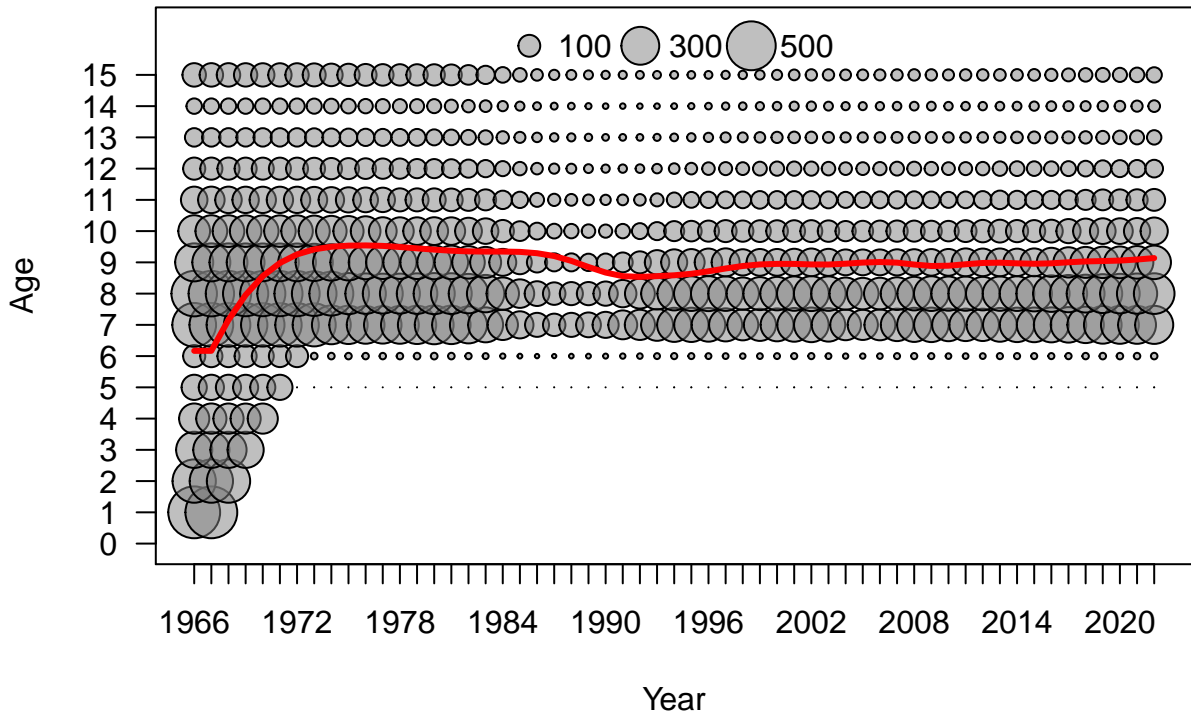


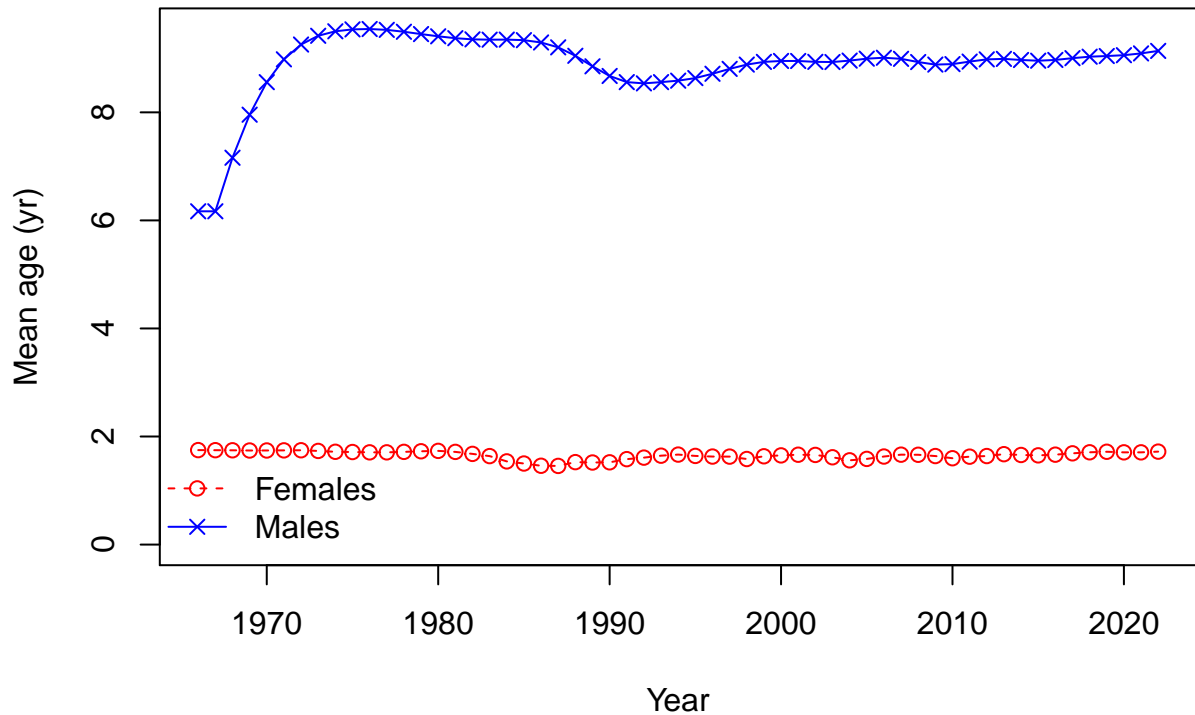




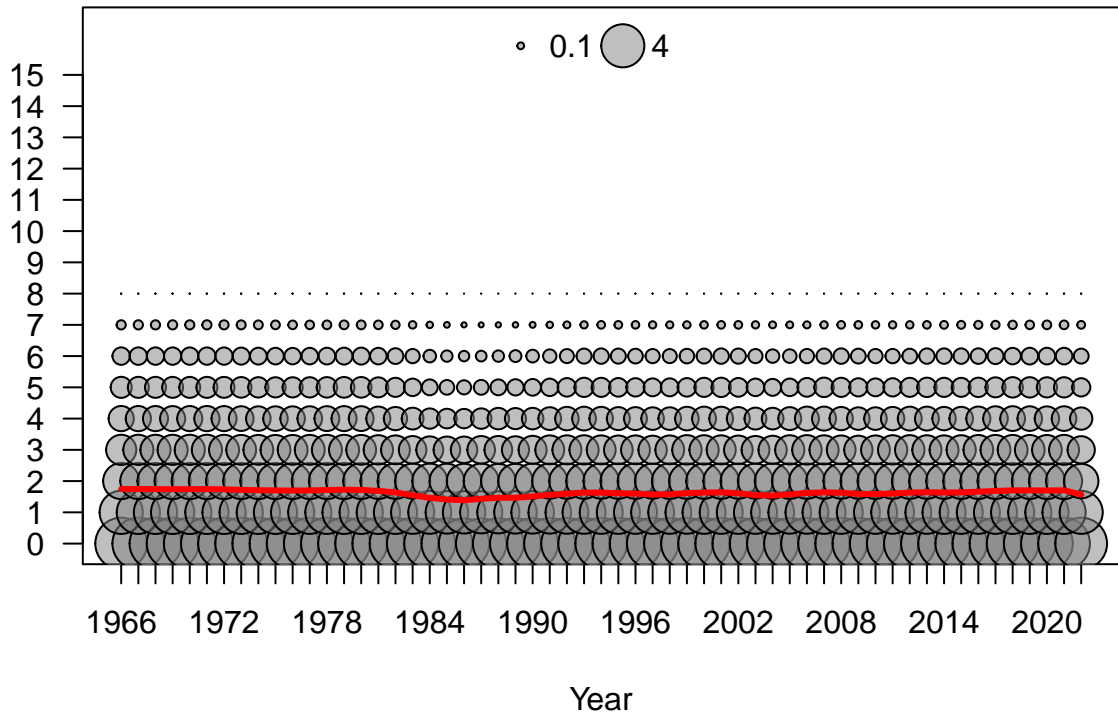
Age



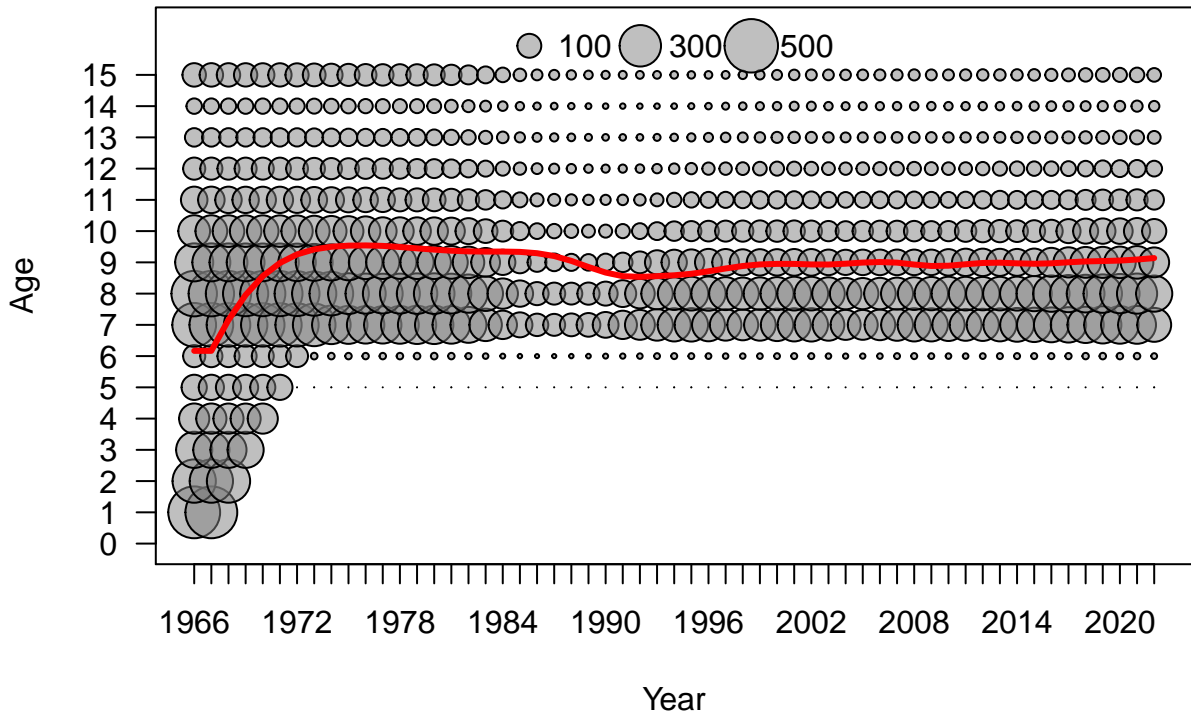


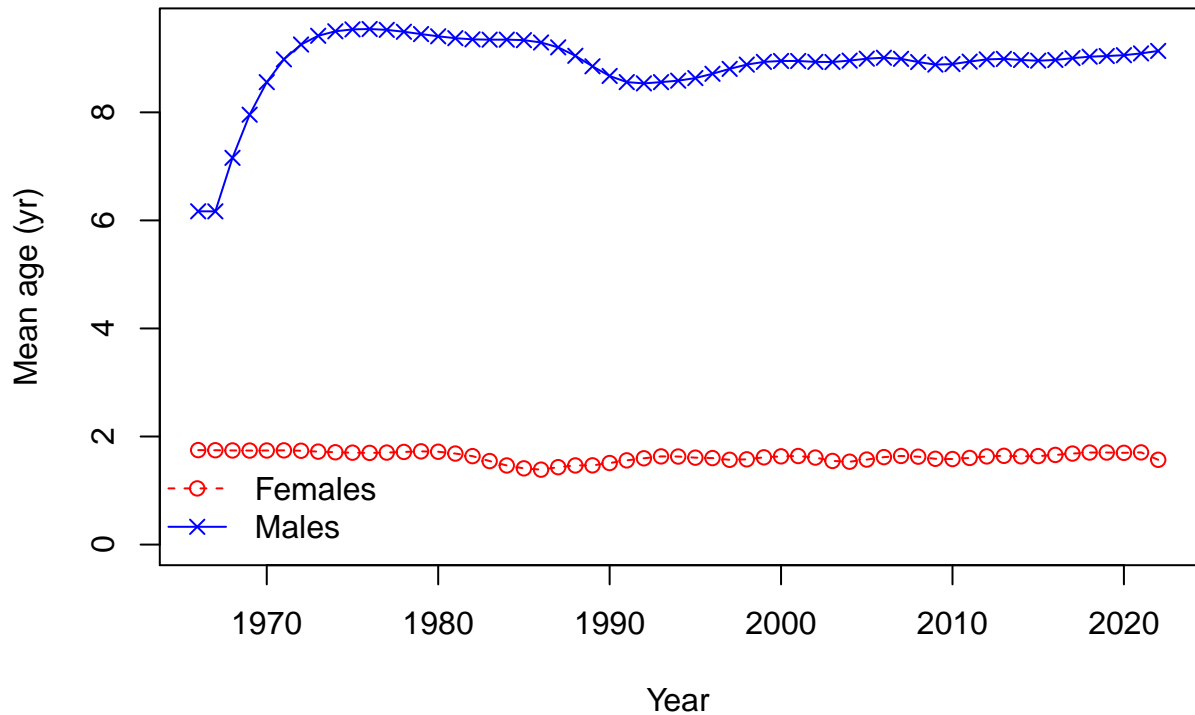


Age

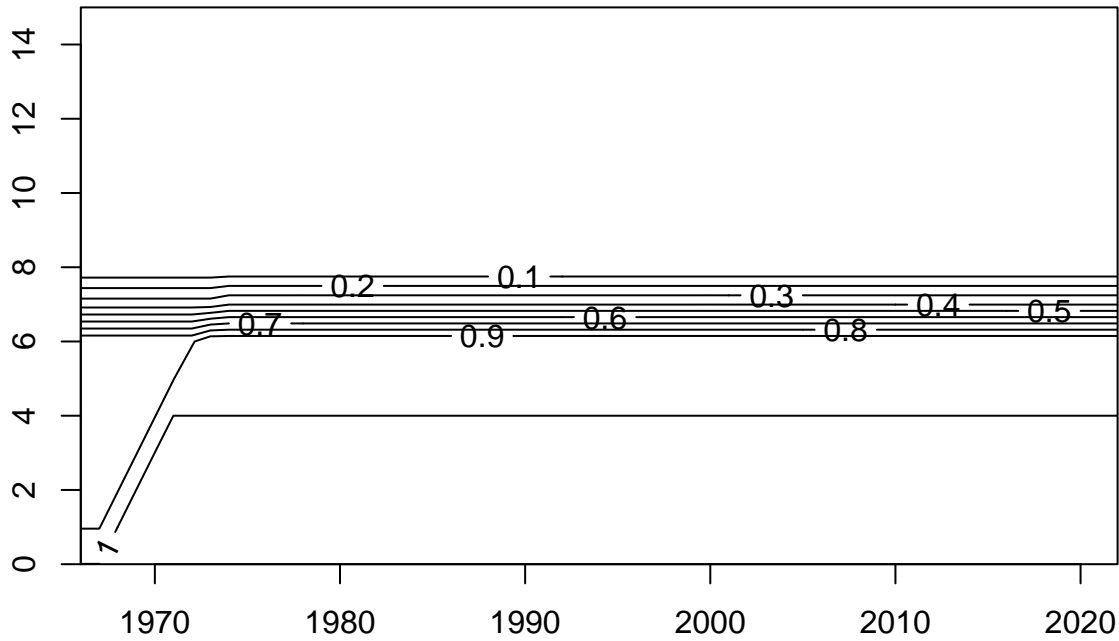




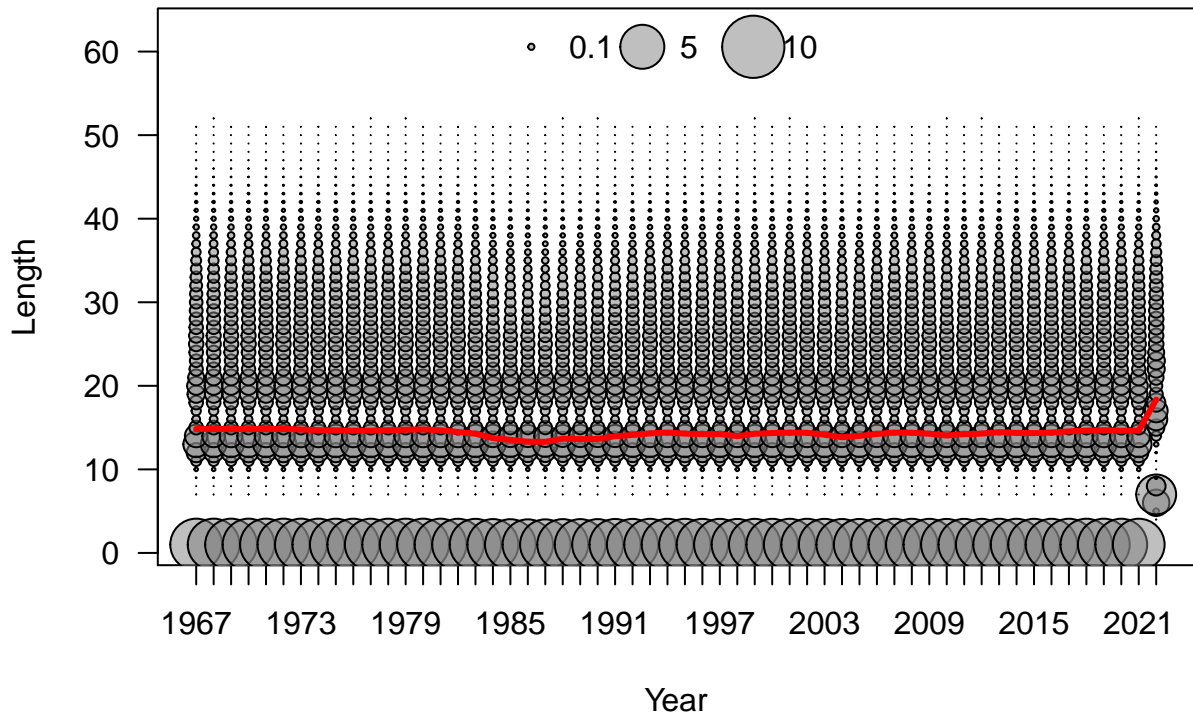


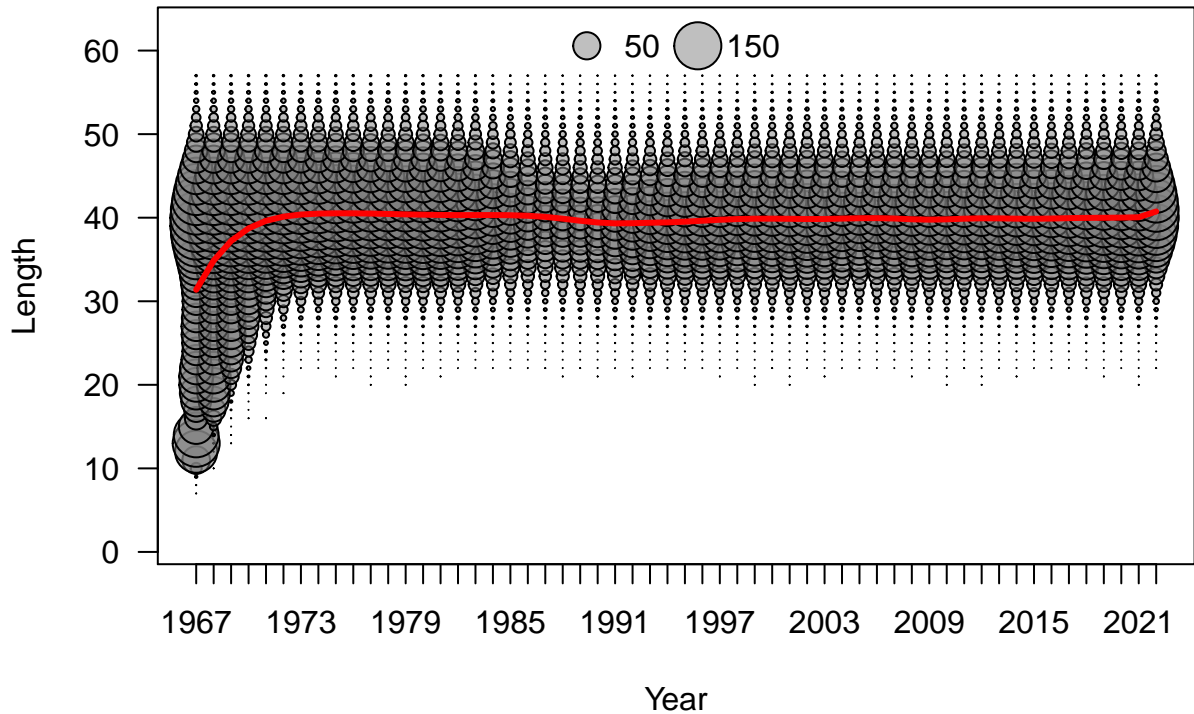


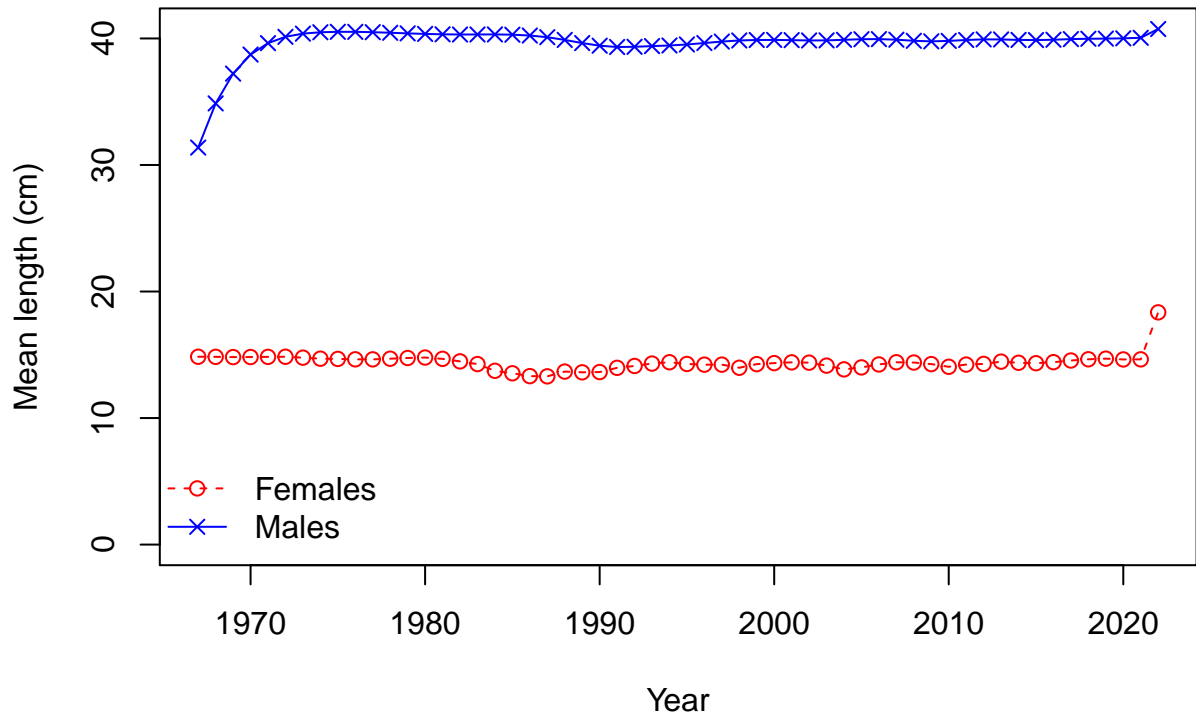
Age

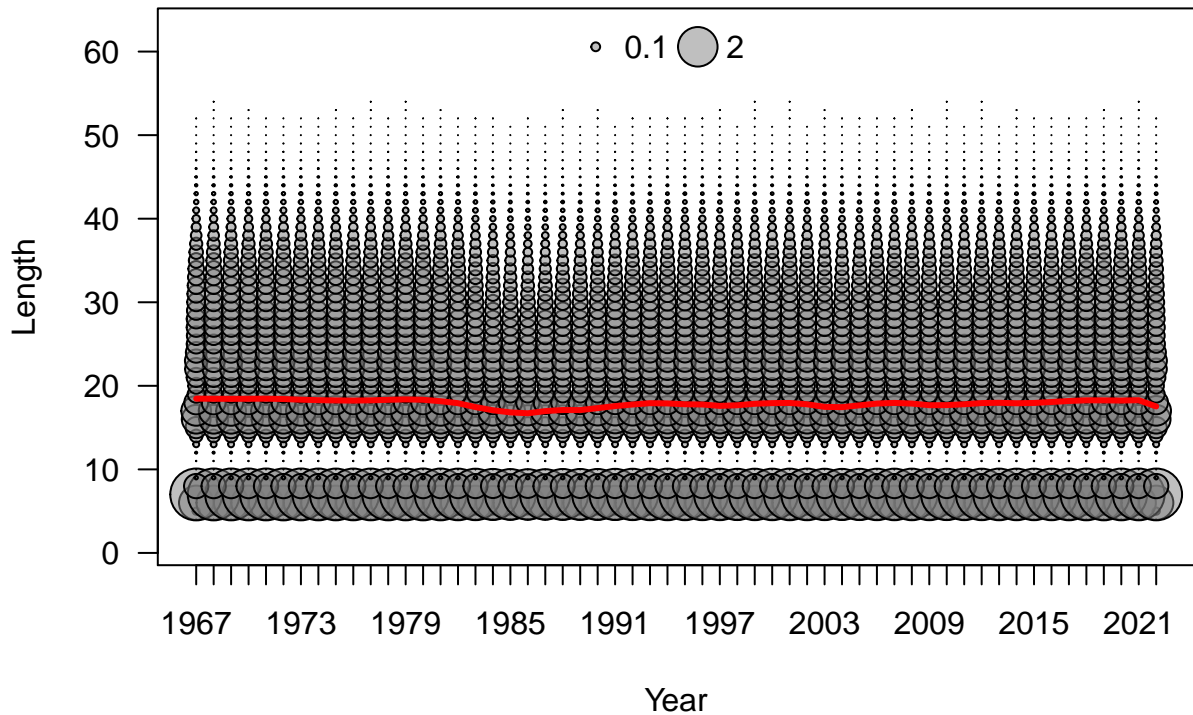


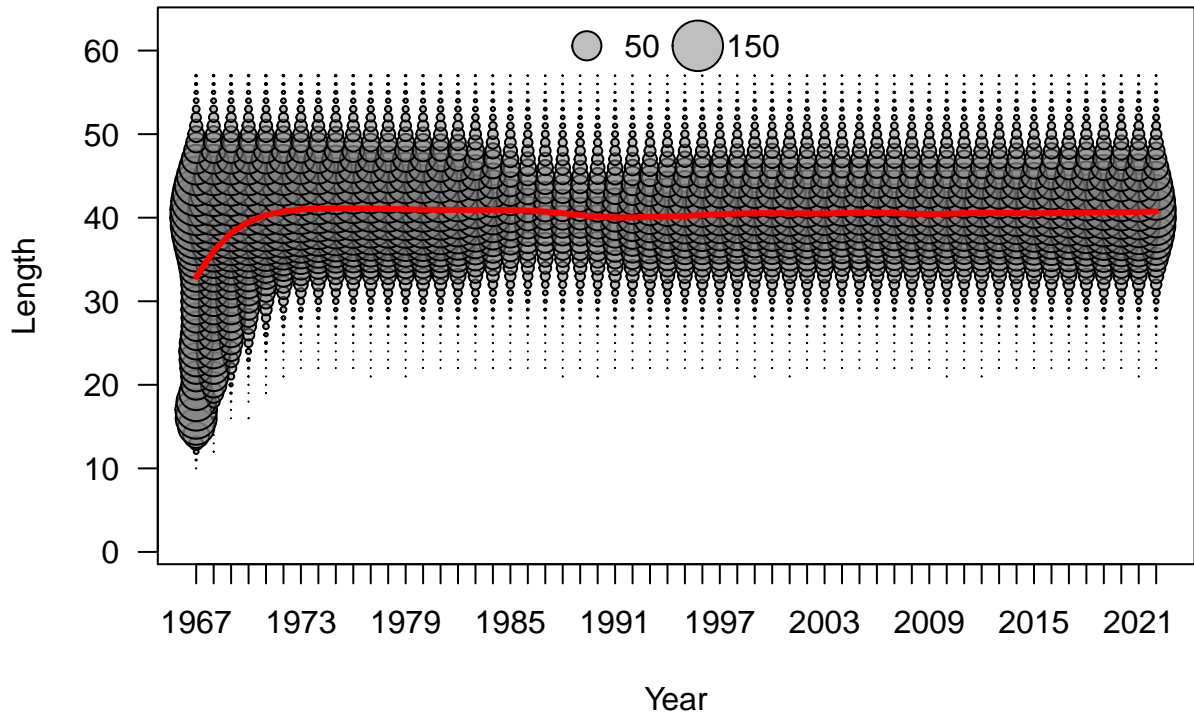
Year



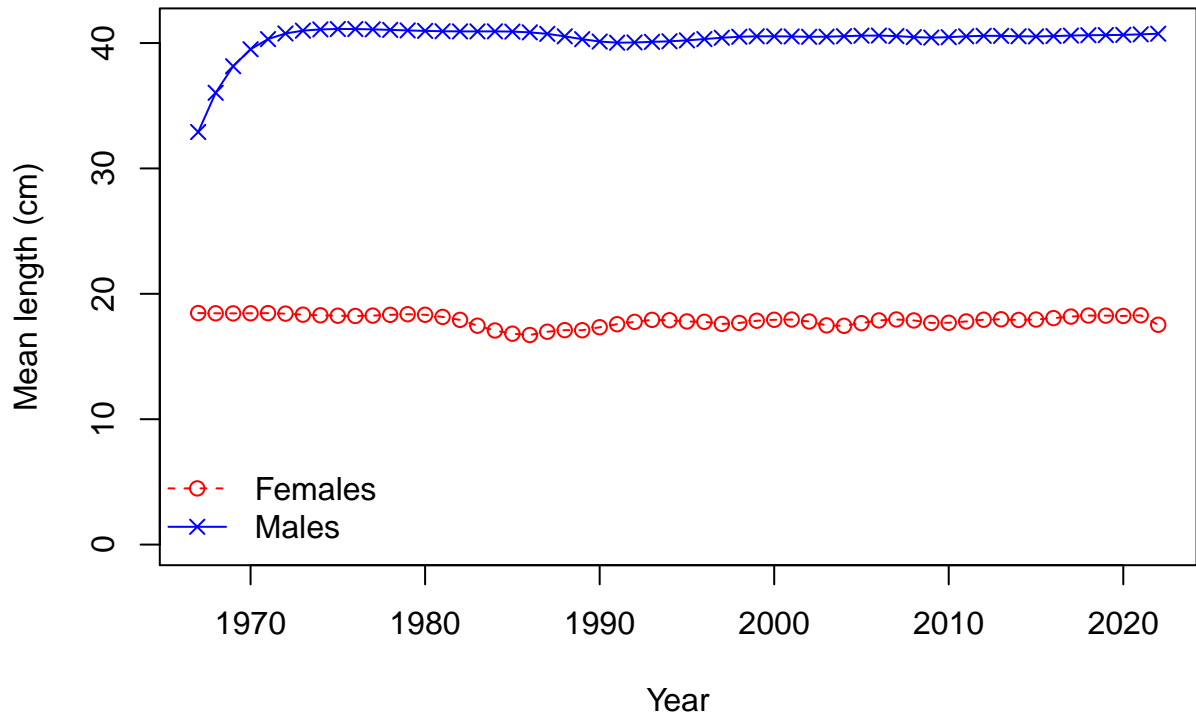












Length

50  
40  
30  
20  
10

1970

1980

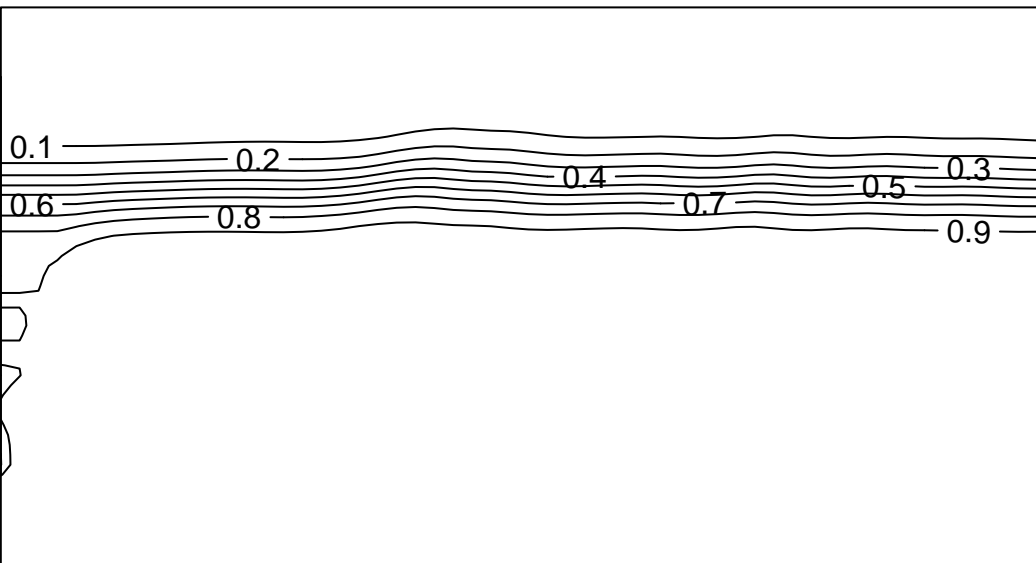
1990

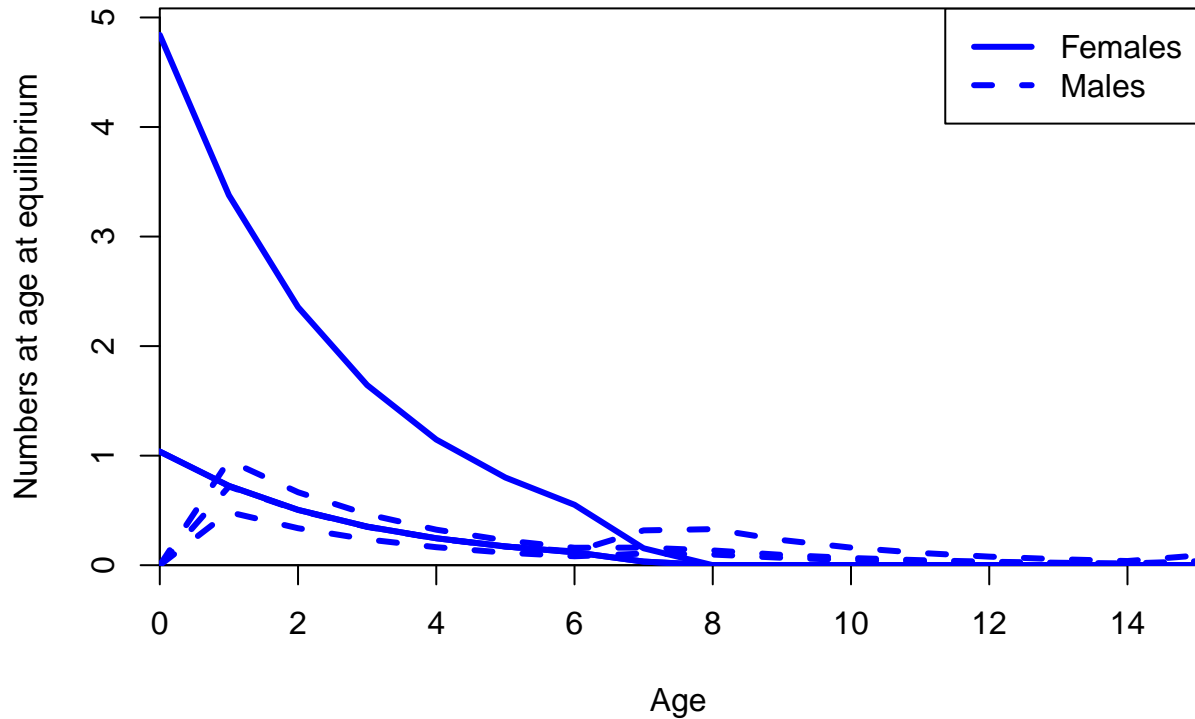
2000

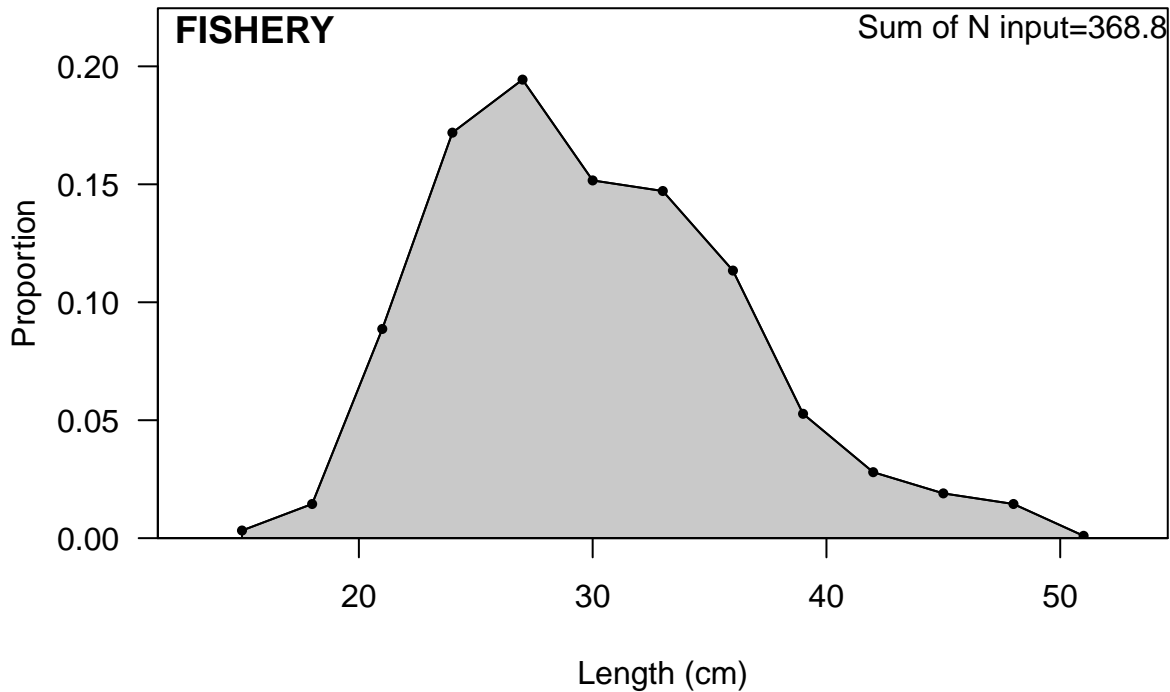
2010

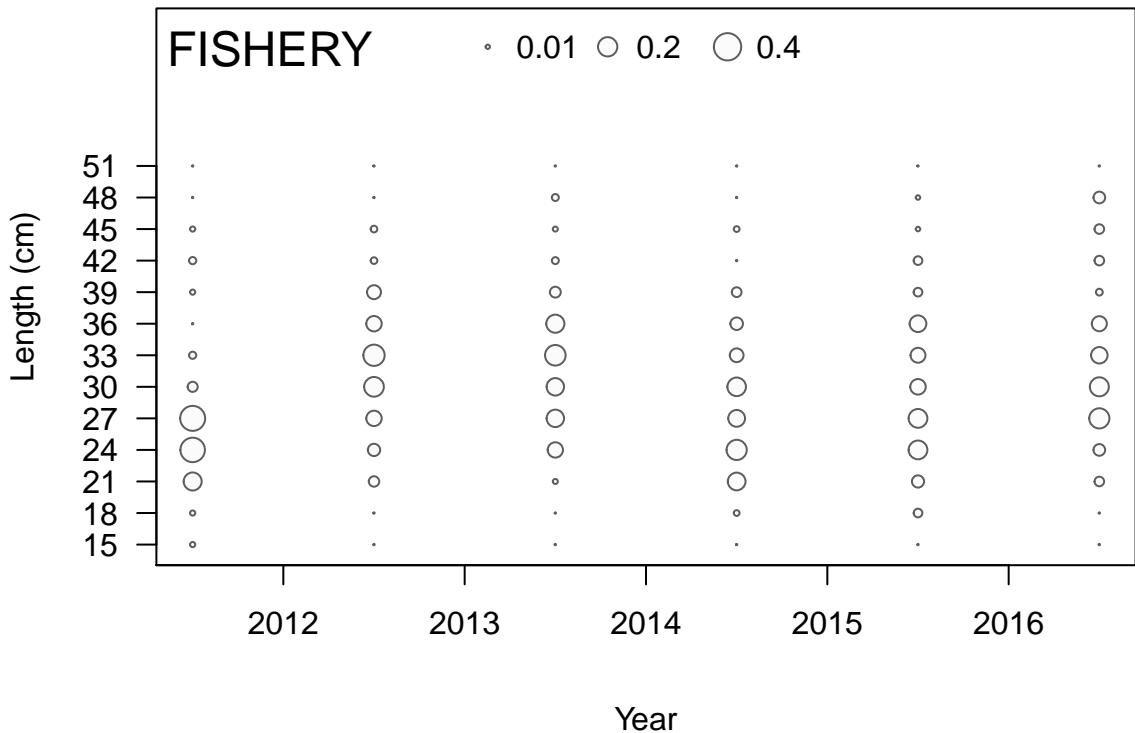
2020

Year









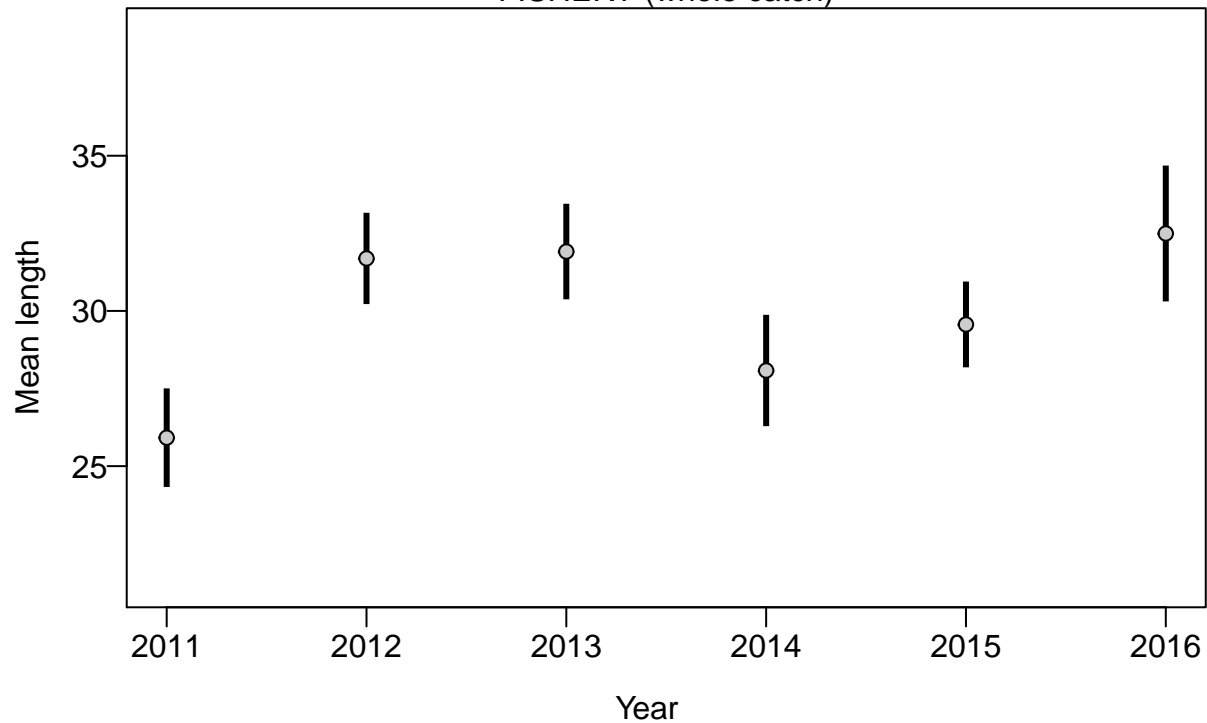
Proportion



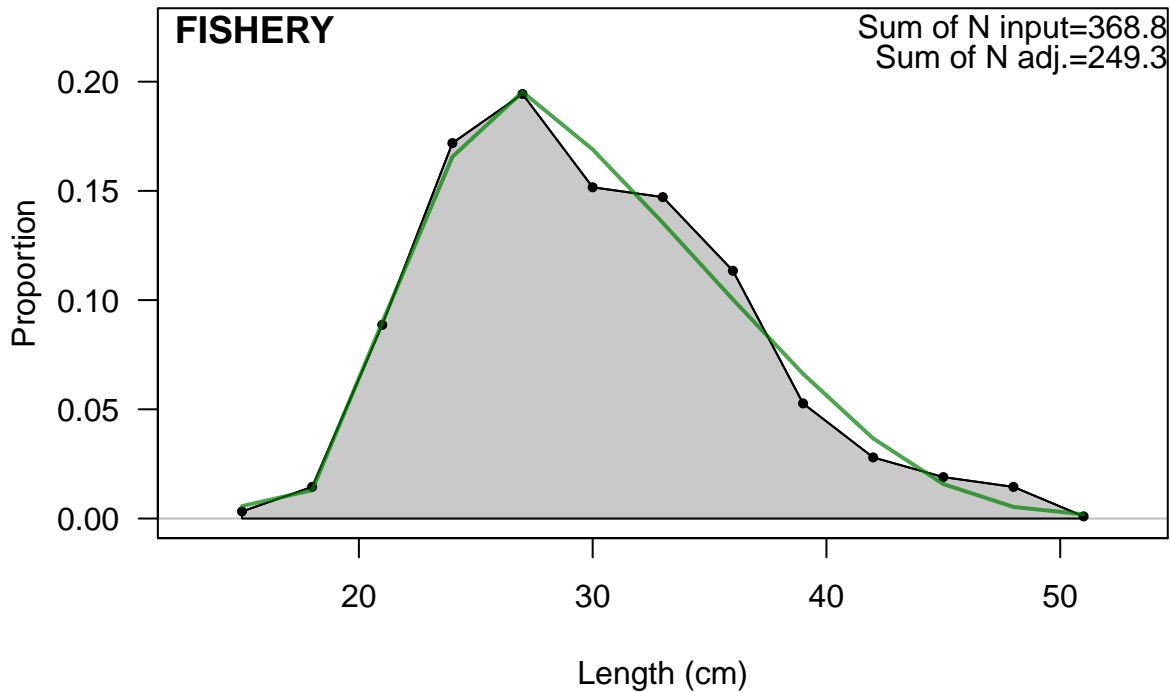
Length (cm)

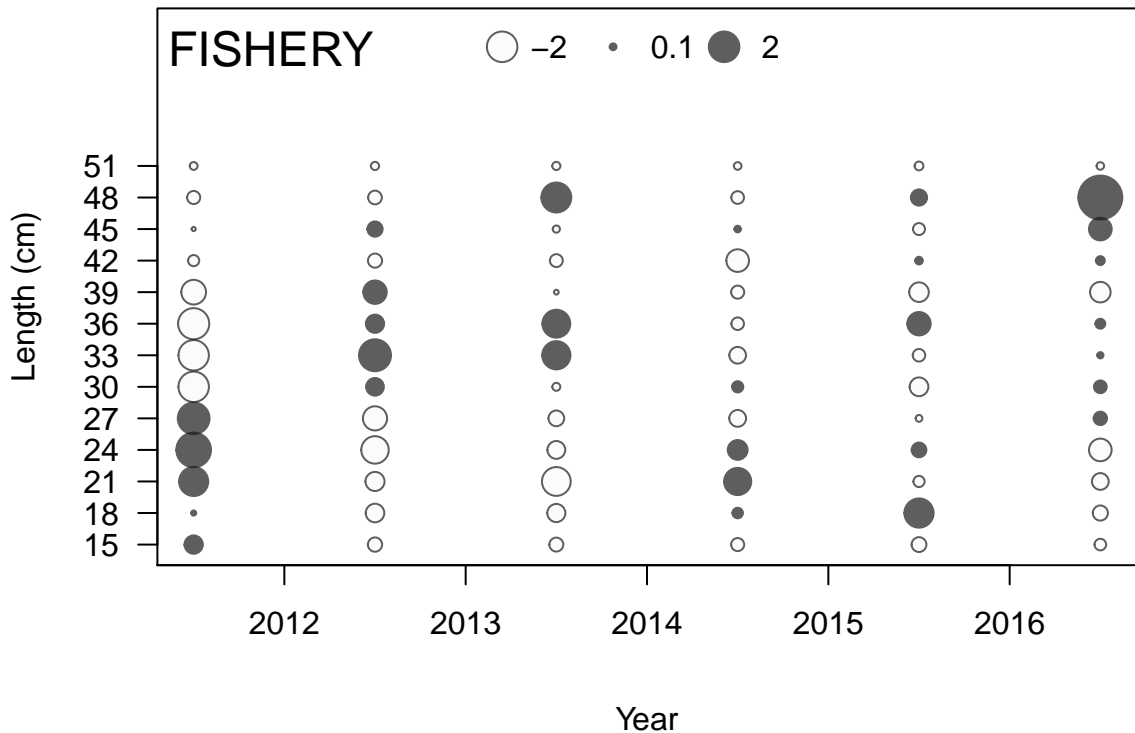


FISHERY (whole catch)

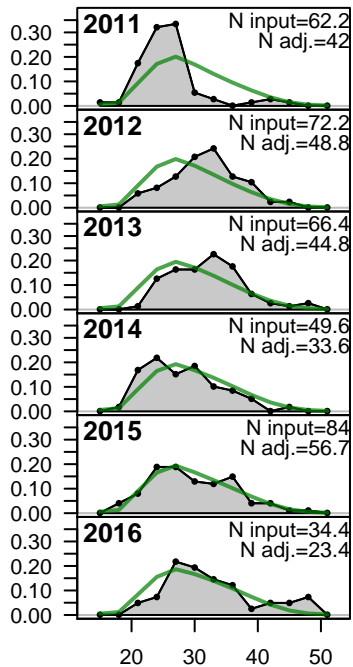




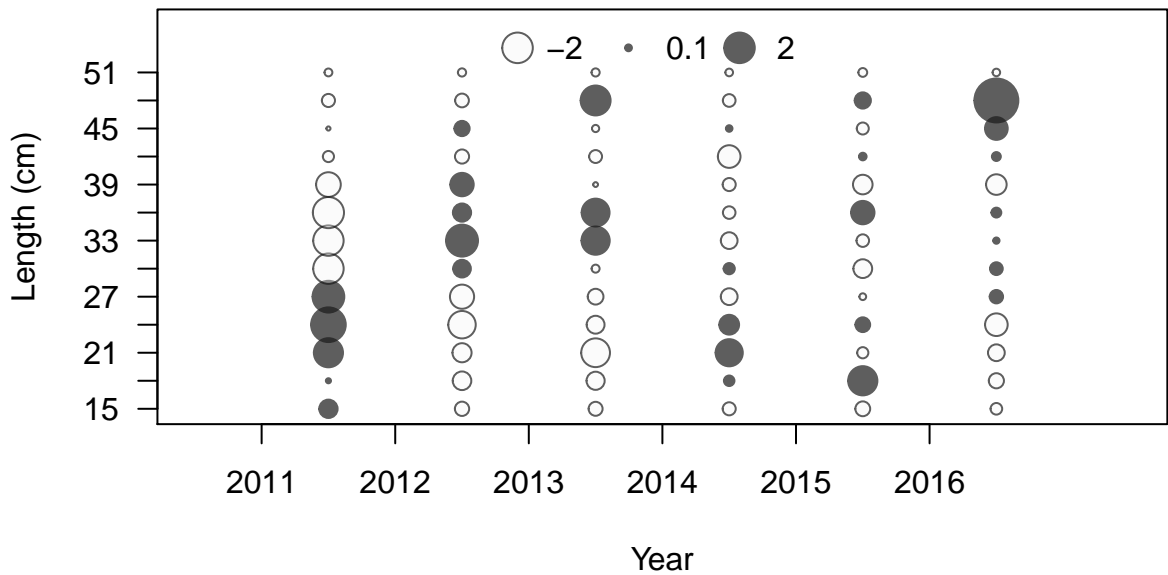




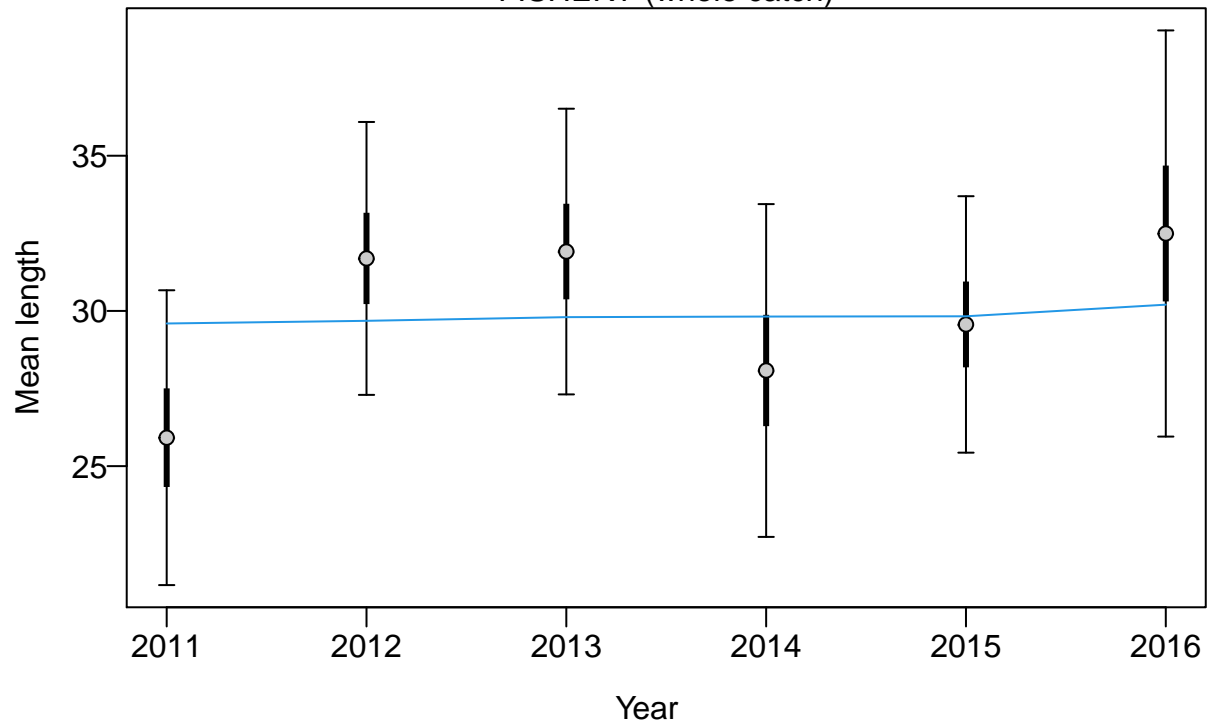
Proportion

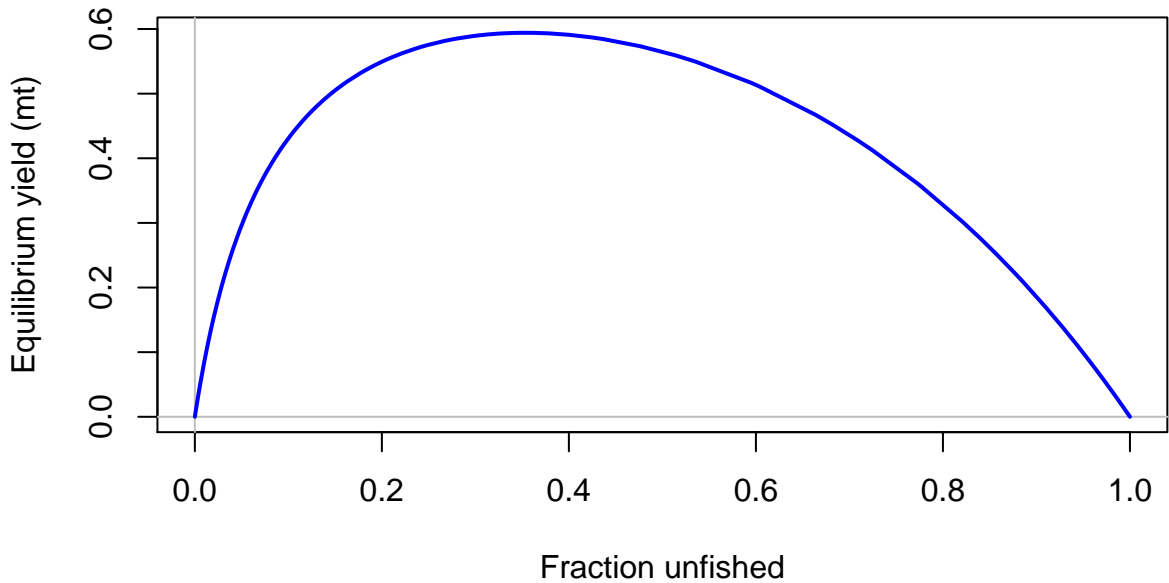


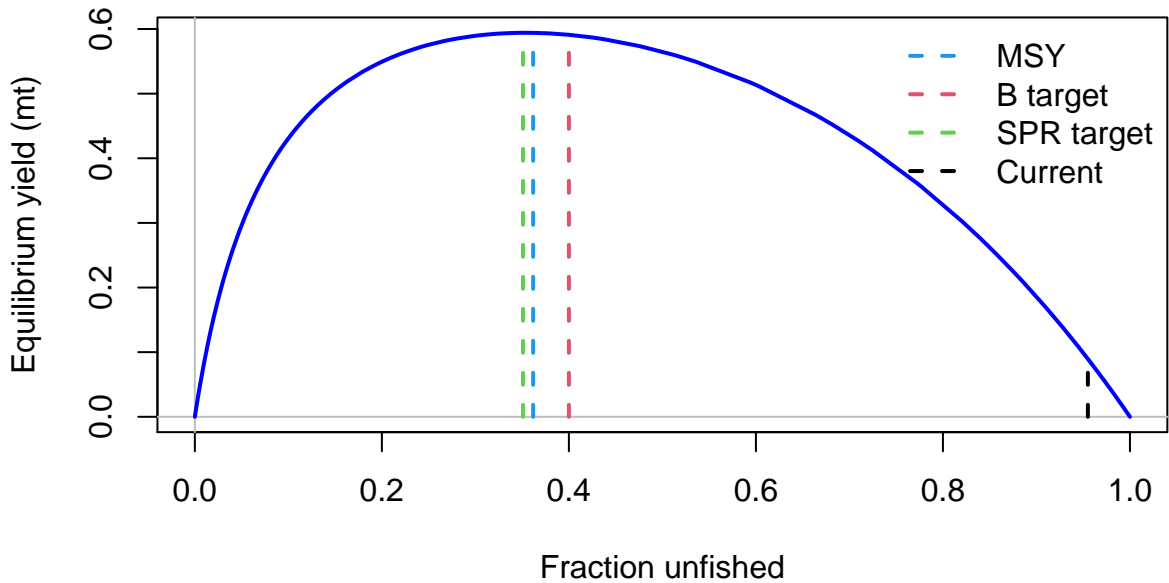
Length (cm)

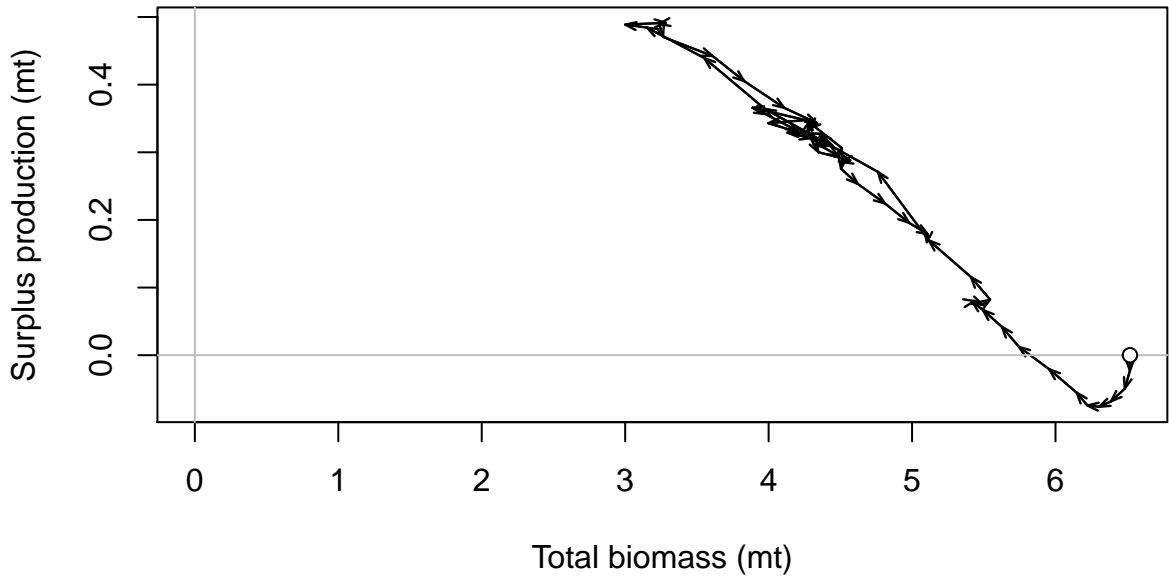


FISHERY (whole catch)

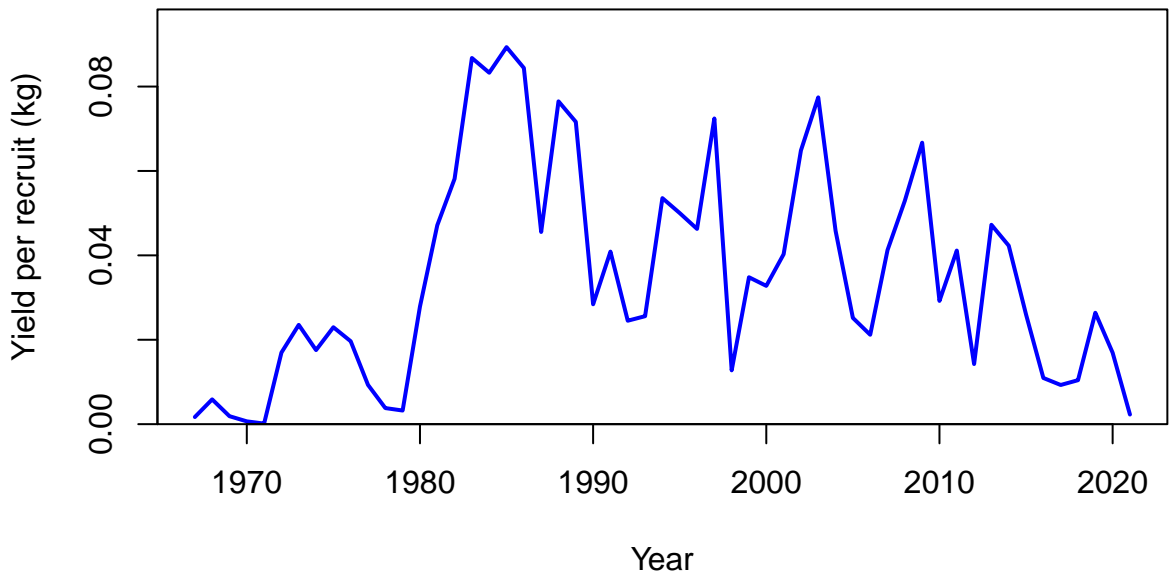








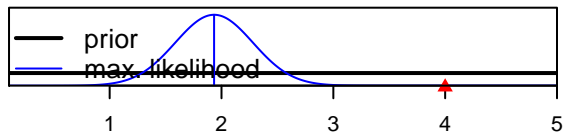




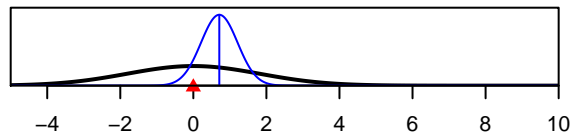




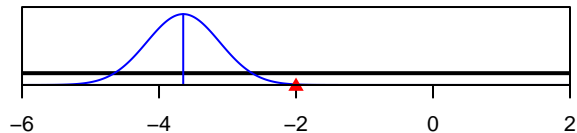
SR\_LN(R0)



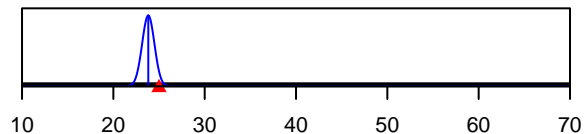
ln(DM\_theta)\_1



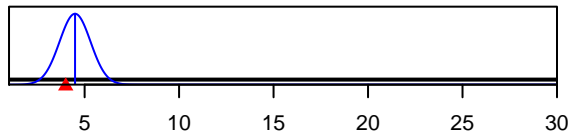
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value