

Plots created using the 'r4ss' package in R

Stock Synthesis version: 3.30.19.0

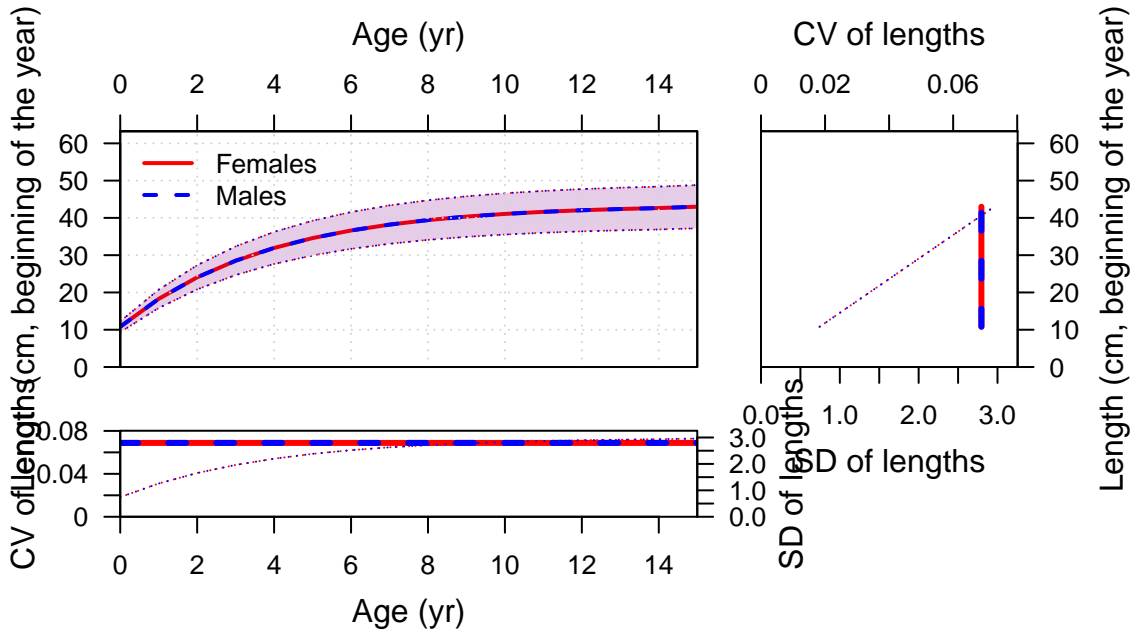
StartTime: Sun Aug 28 09:14:42 2022

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)







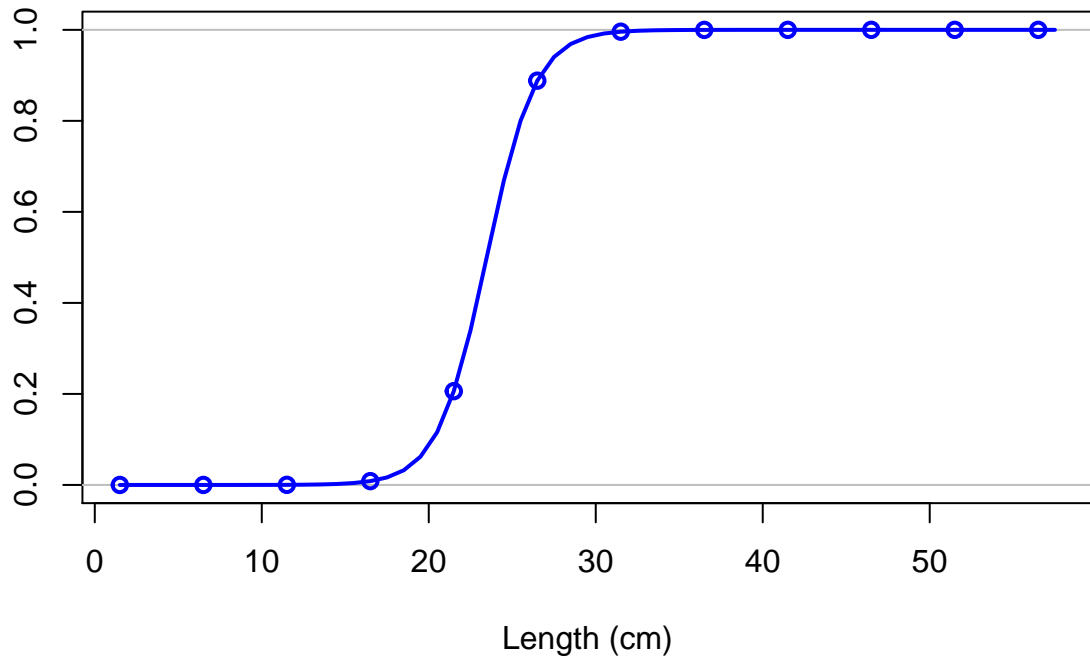
Hermaphroditism transition rate



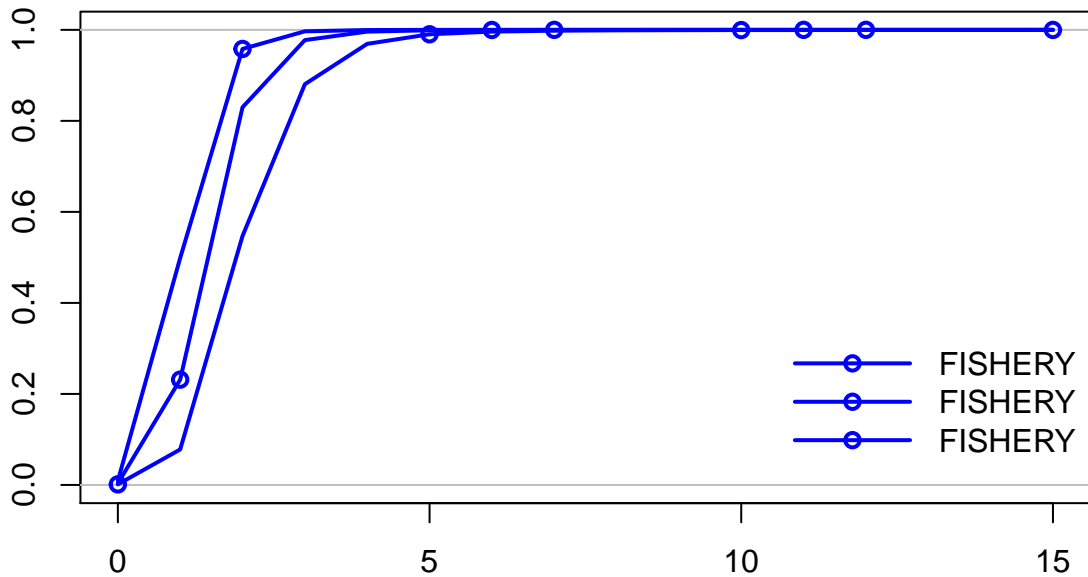
Fraction females by age at equilibrium



Selectivity

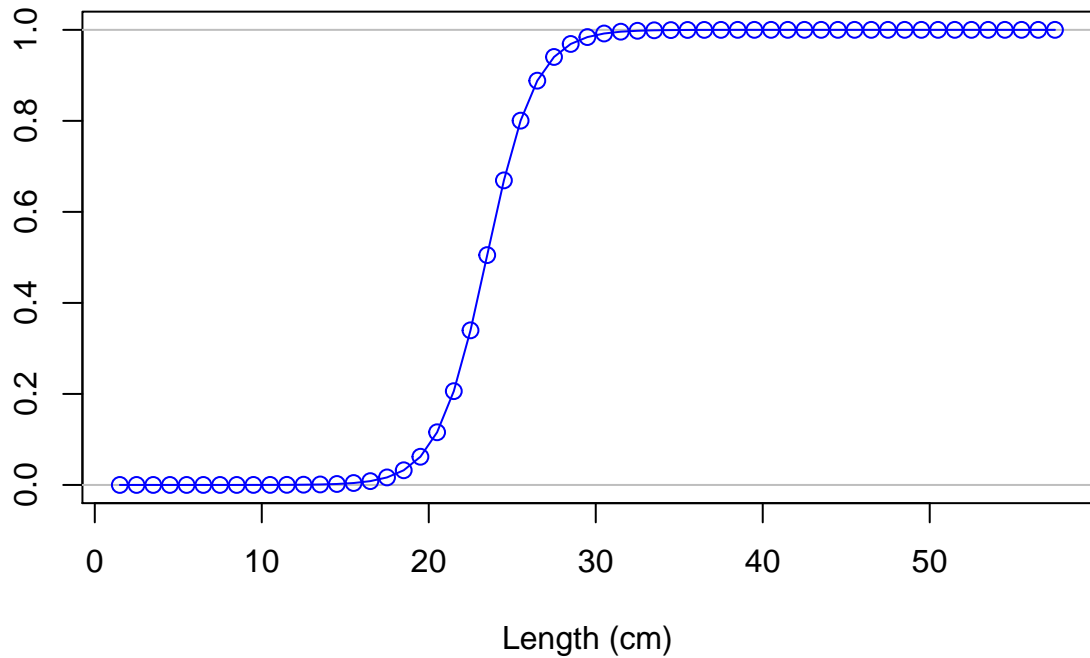


Selectivity

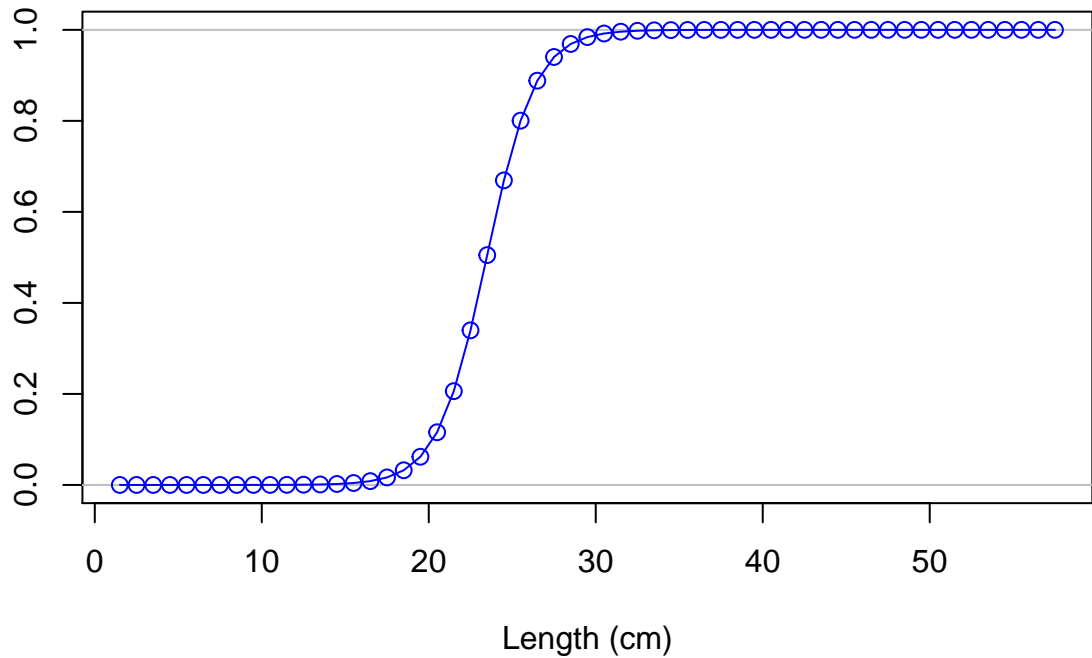


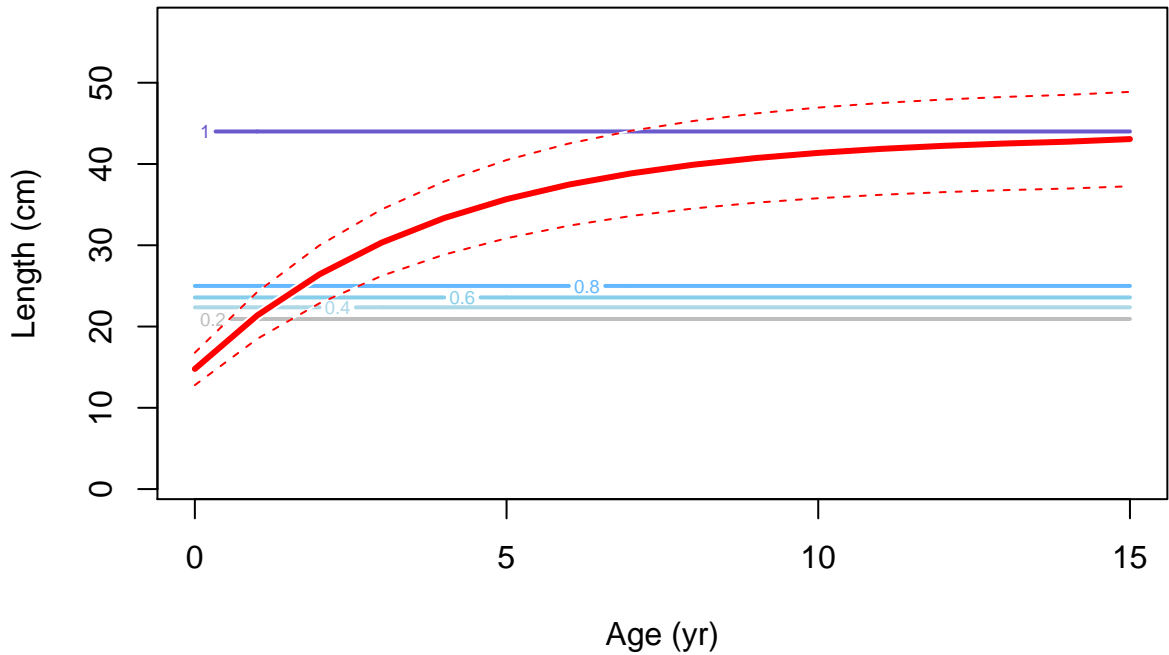
Age (yr)

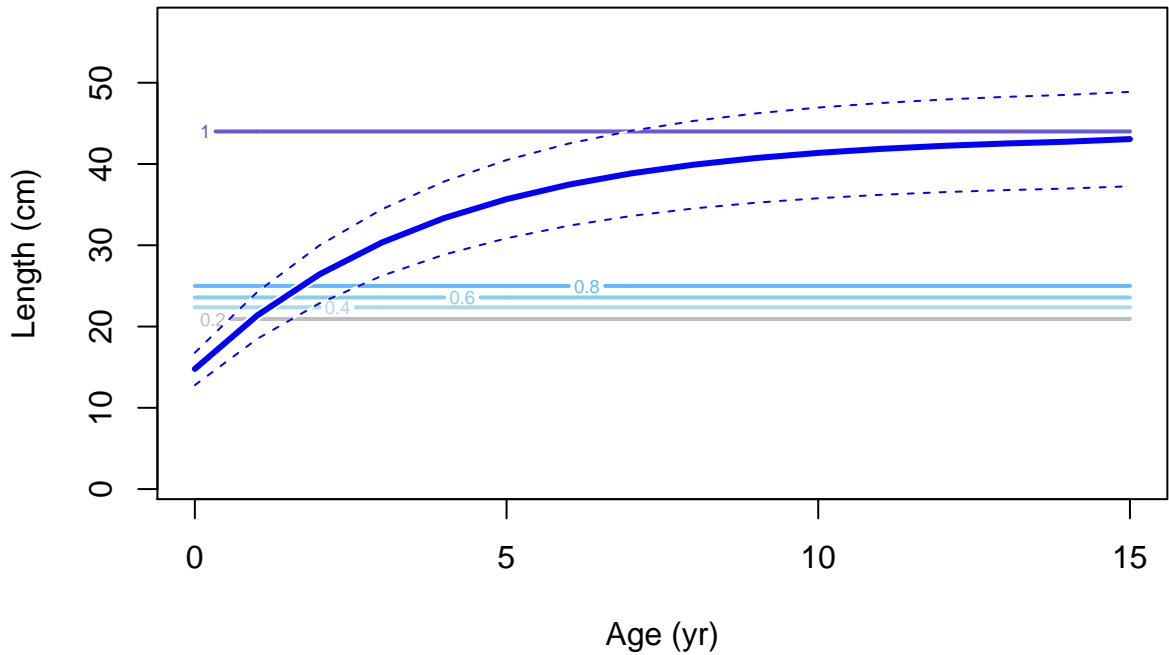
Selectivity



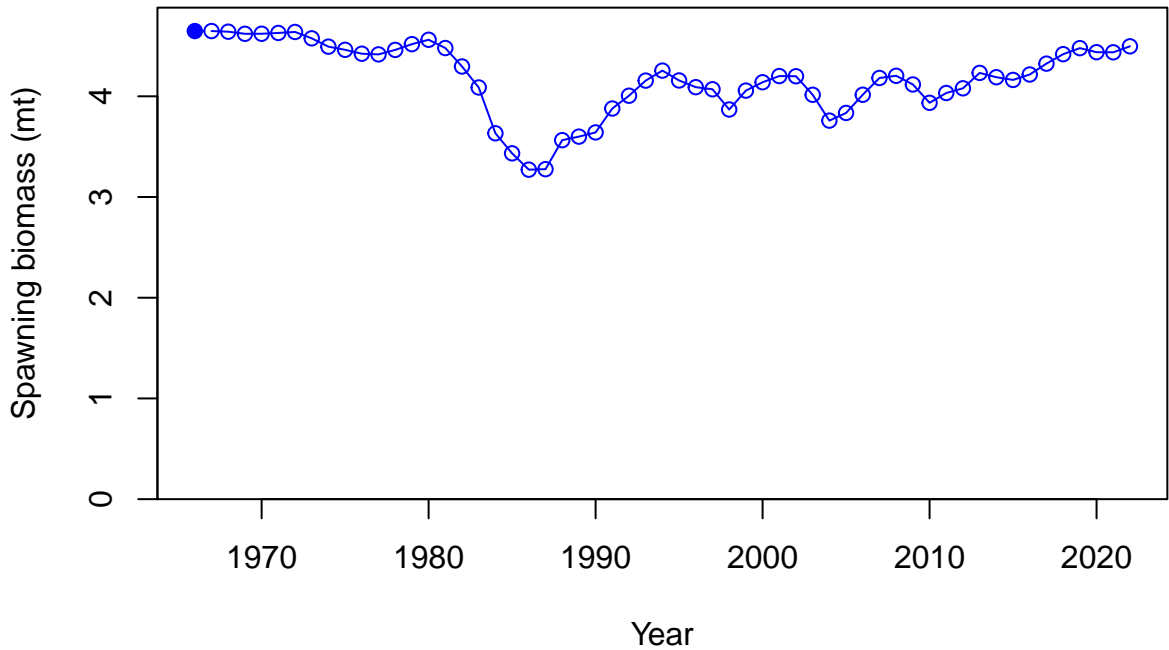
Selectivity

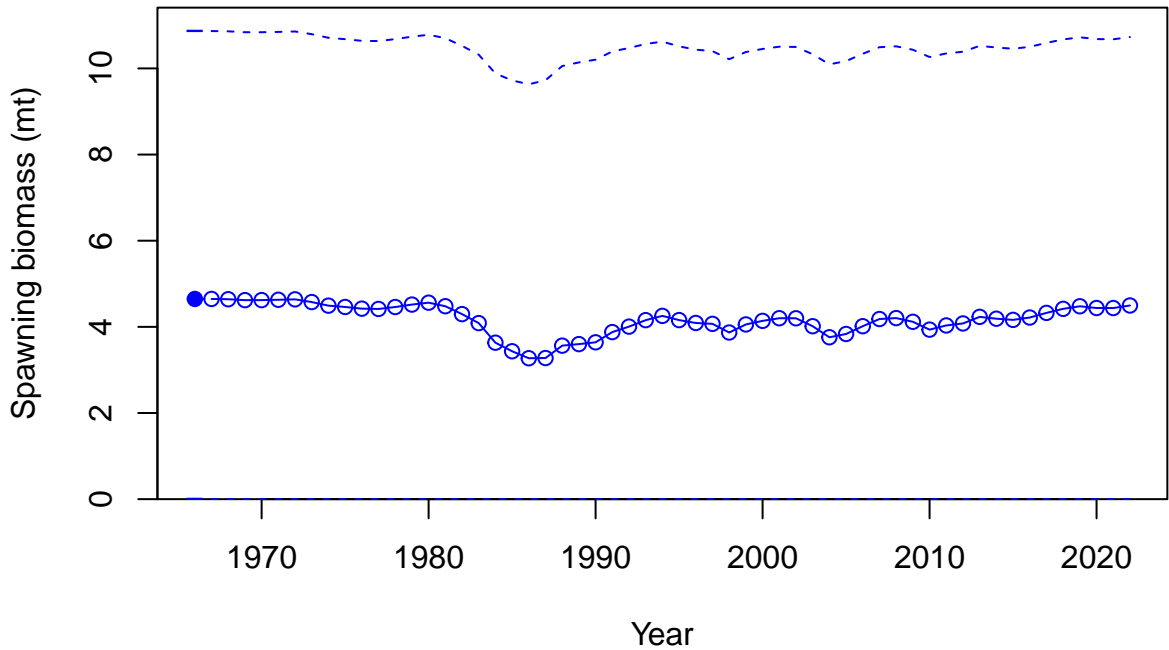




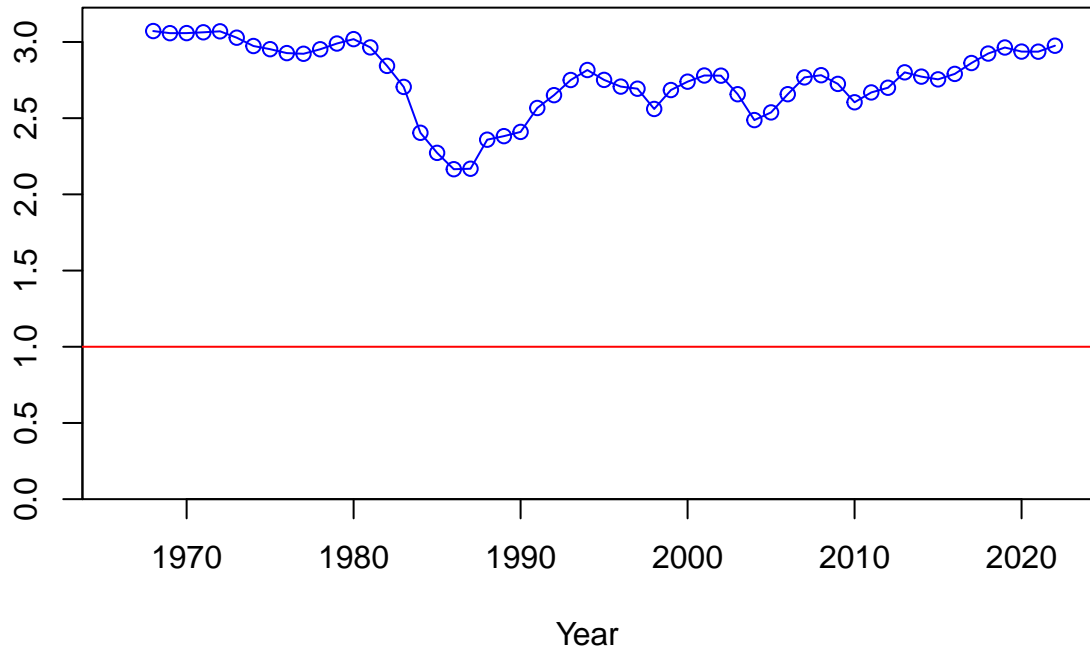




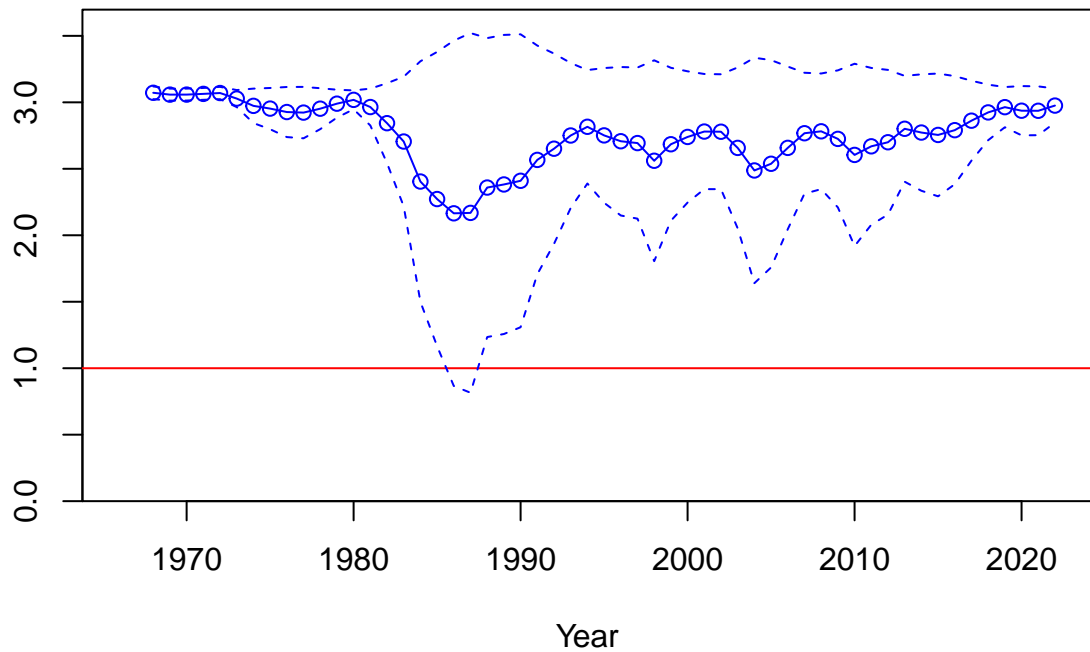


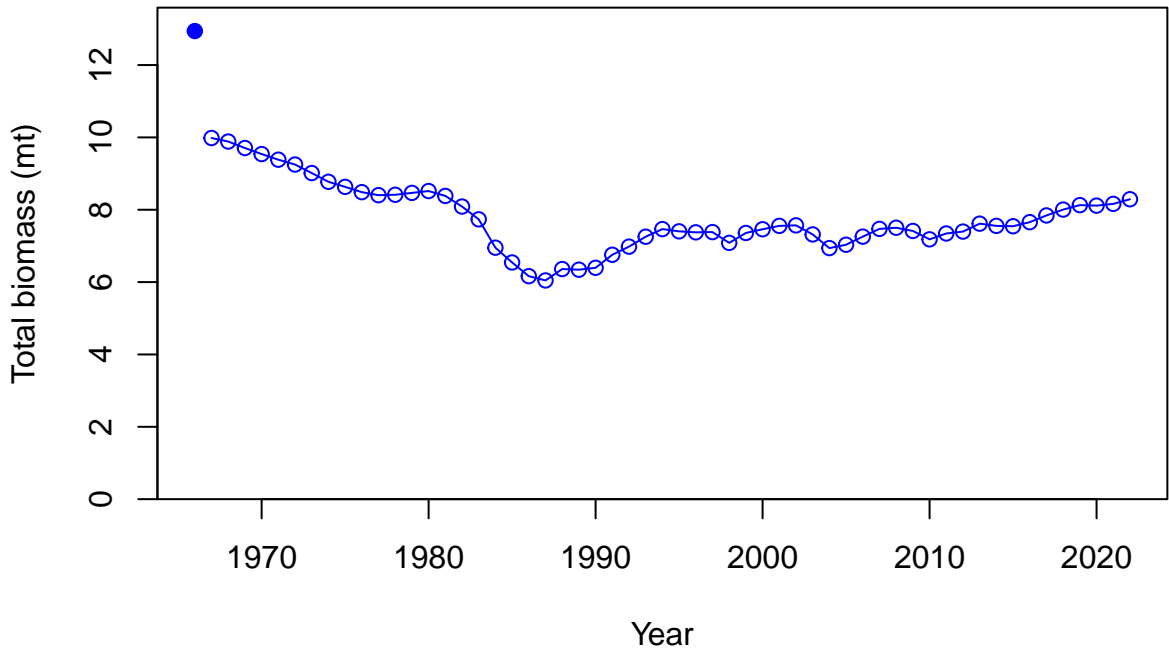


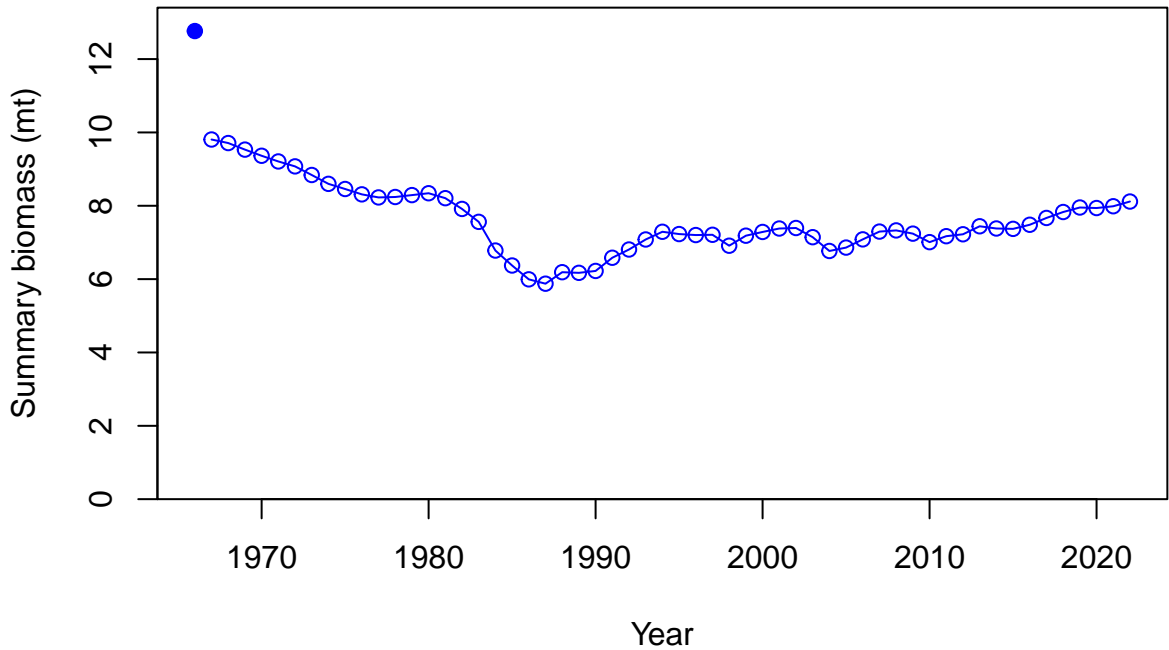
Relative spawning biomass:  $B/B_{MSY}$



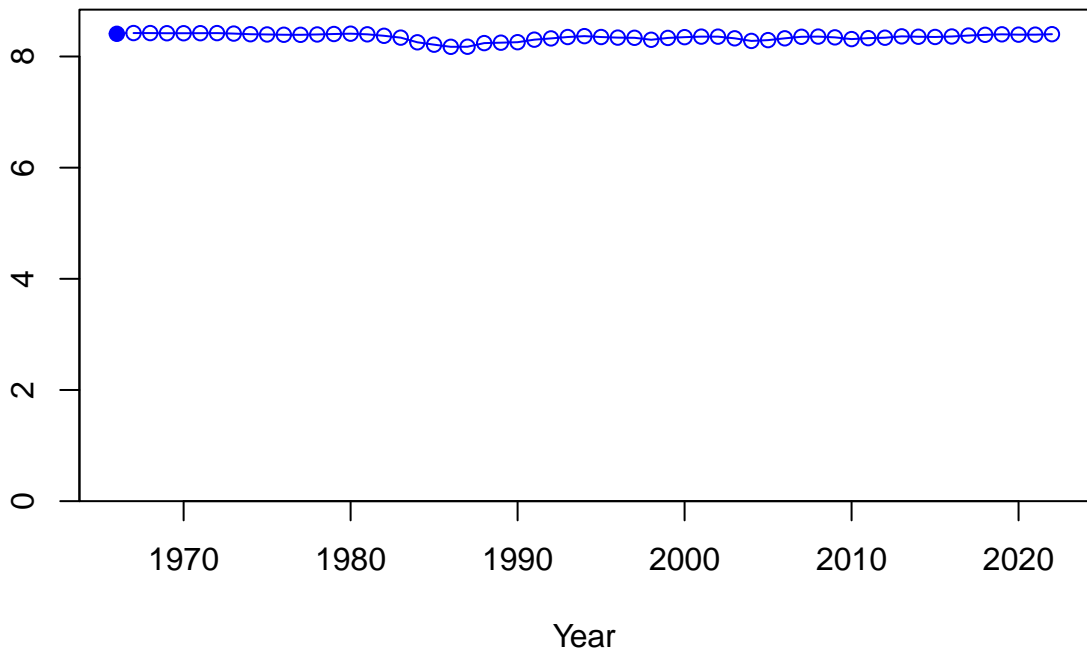
Relative spawning biomass:  $B/B_{MSY}$

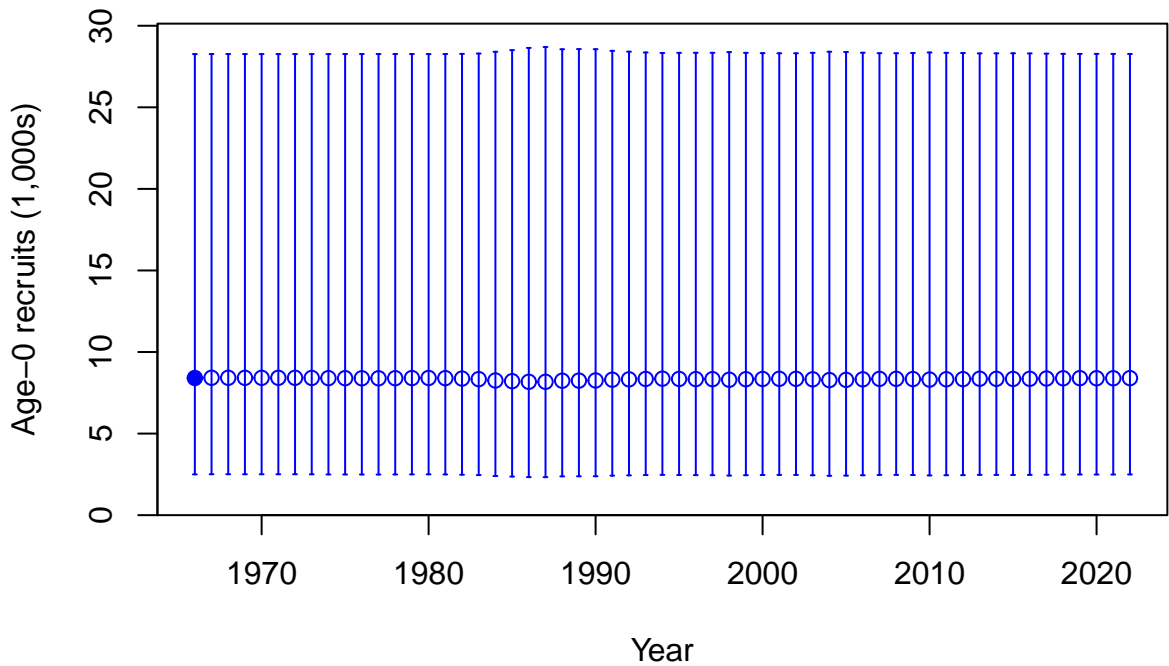






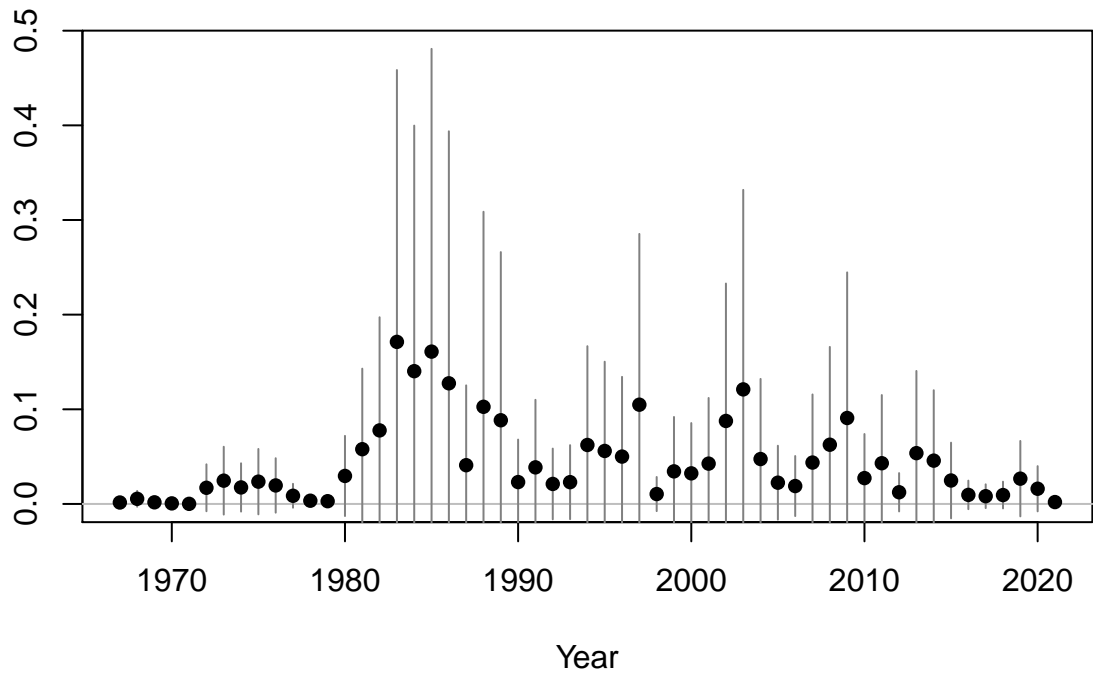
Age-0 recruits (1,000s)

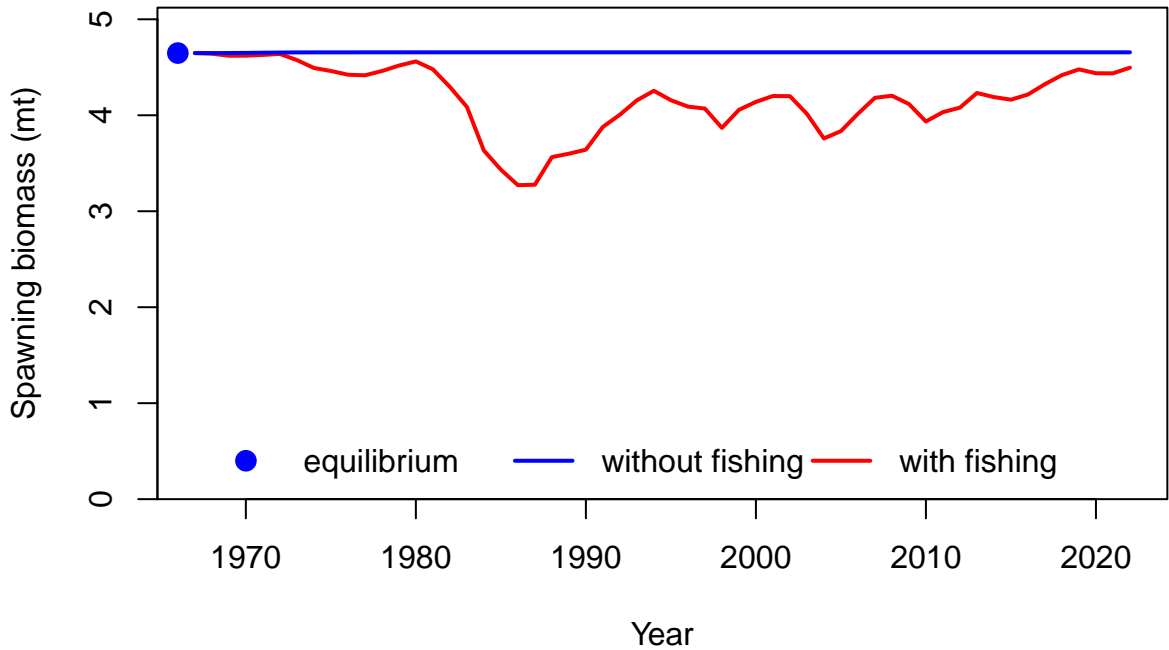


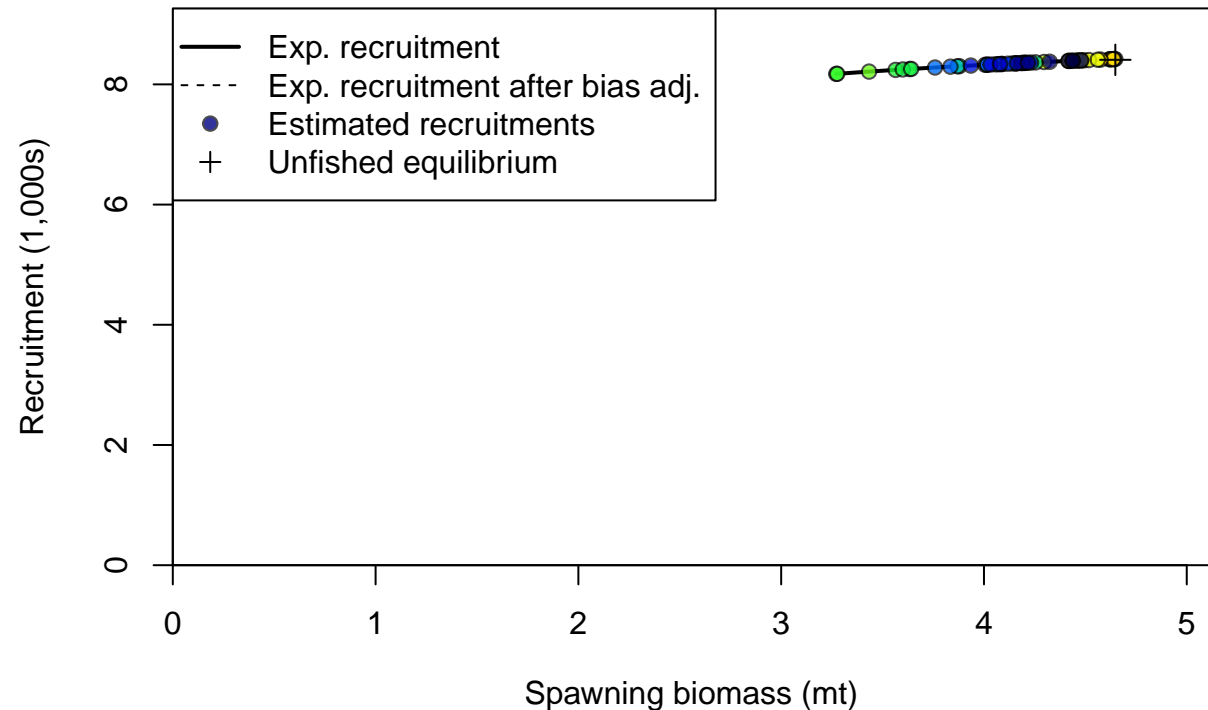


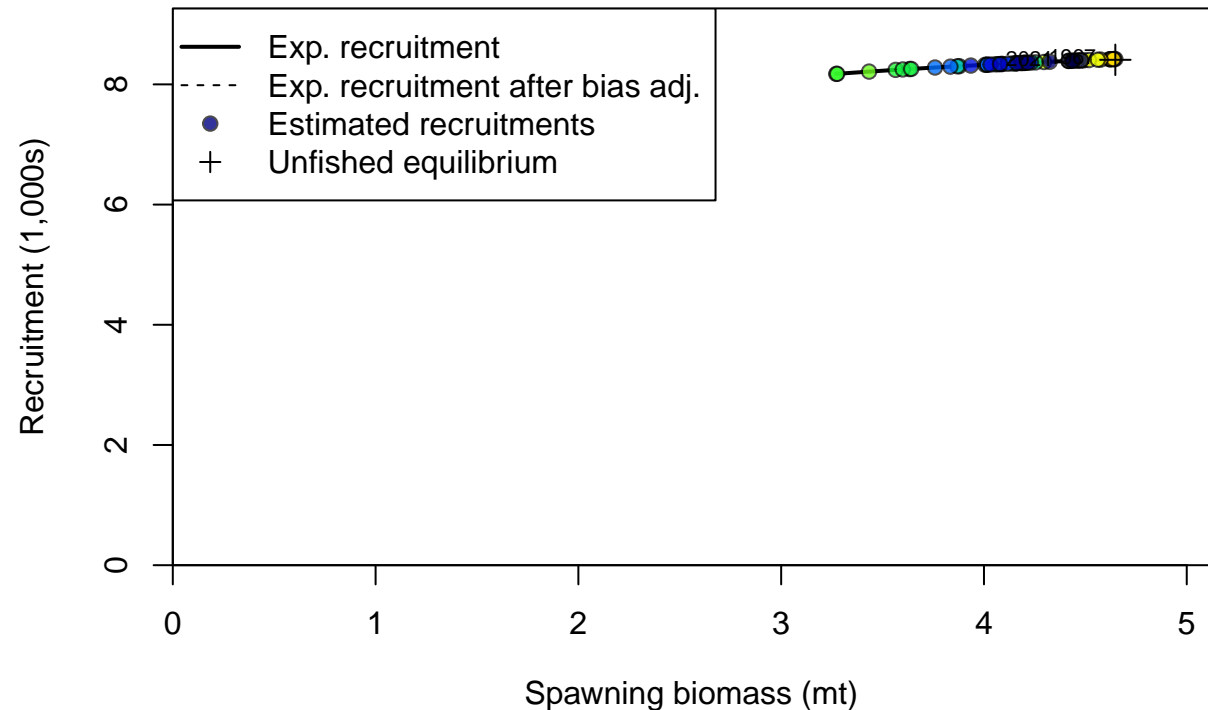


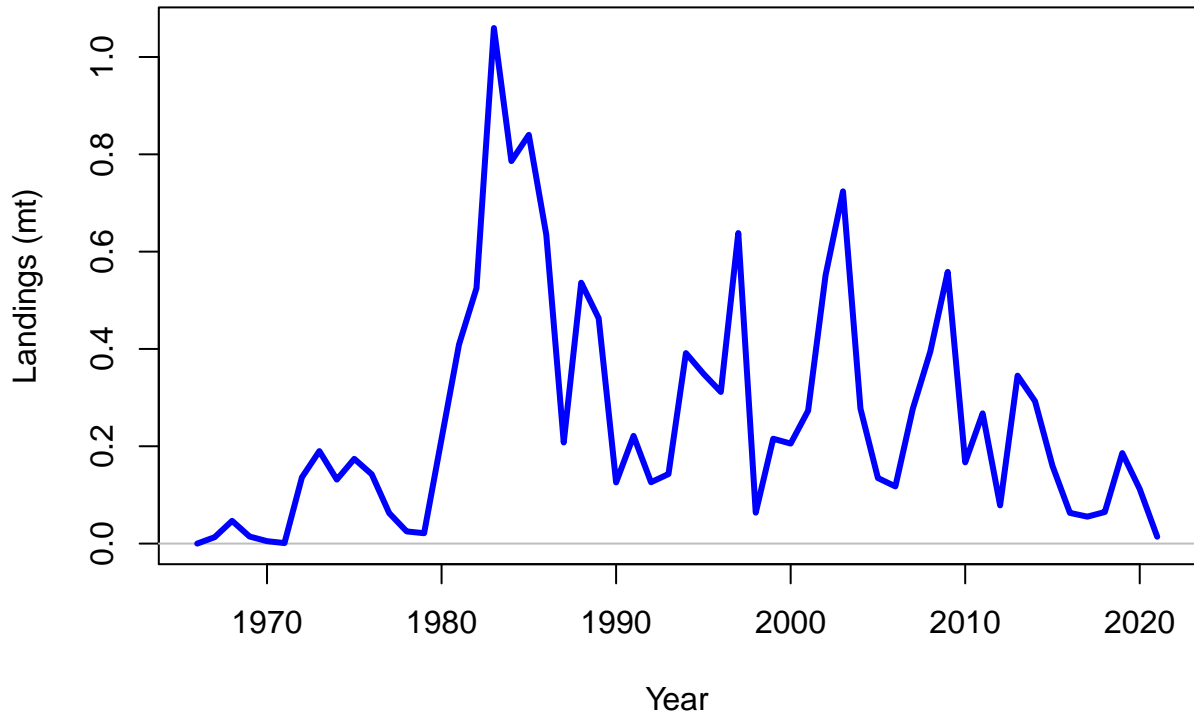
Summary Fishing Mortality

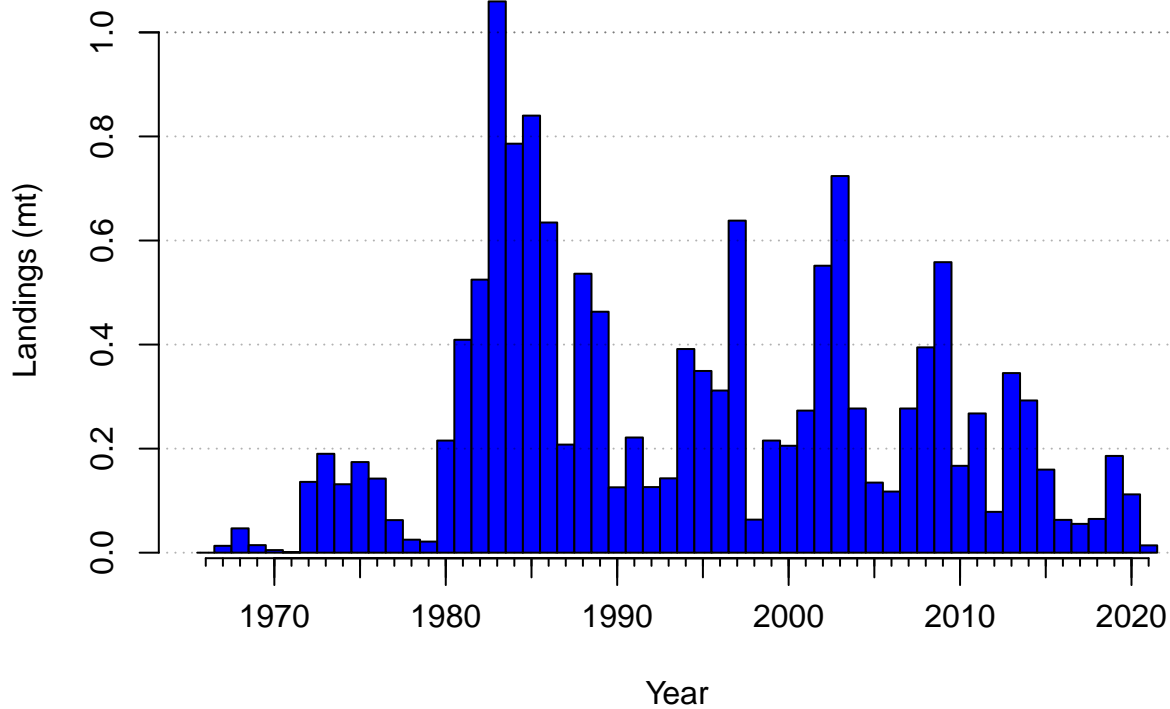


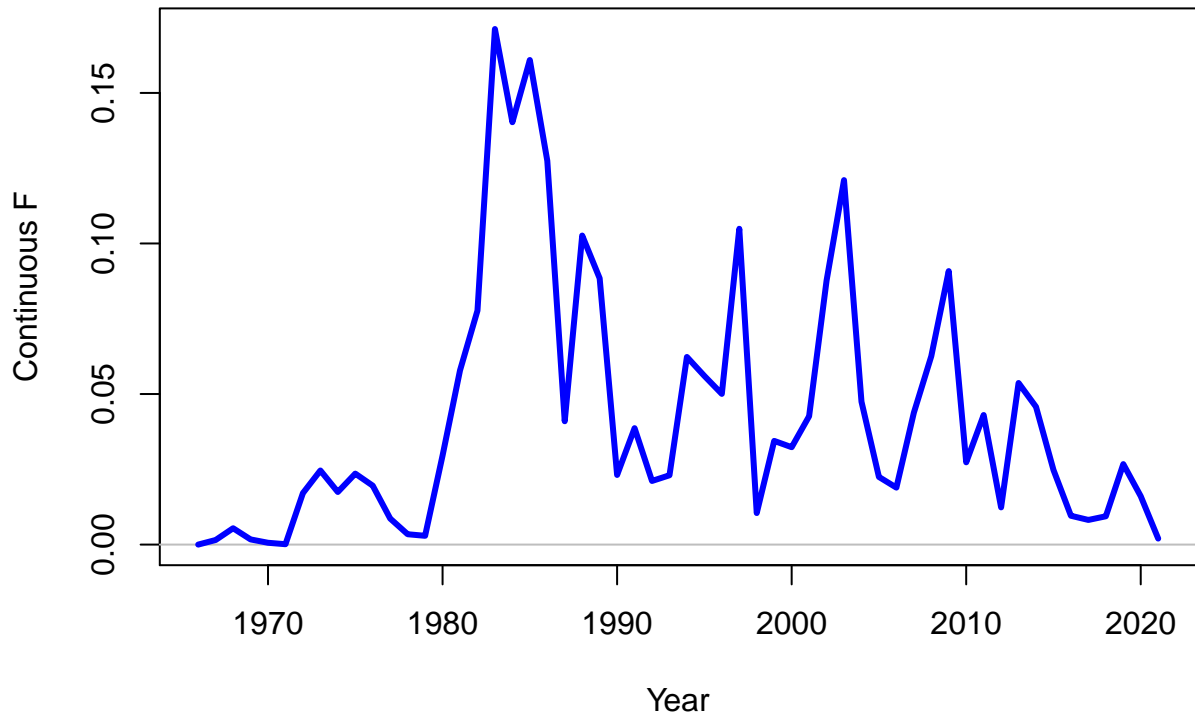




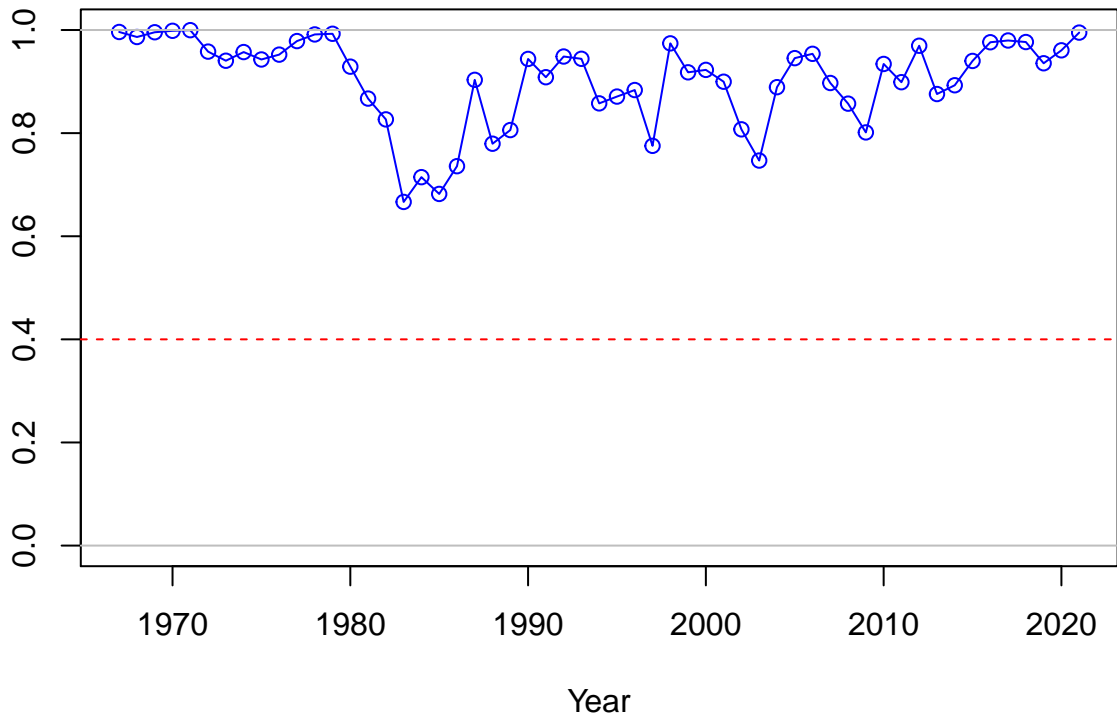






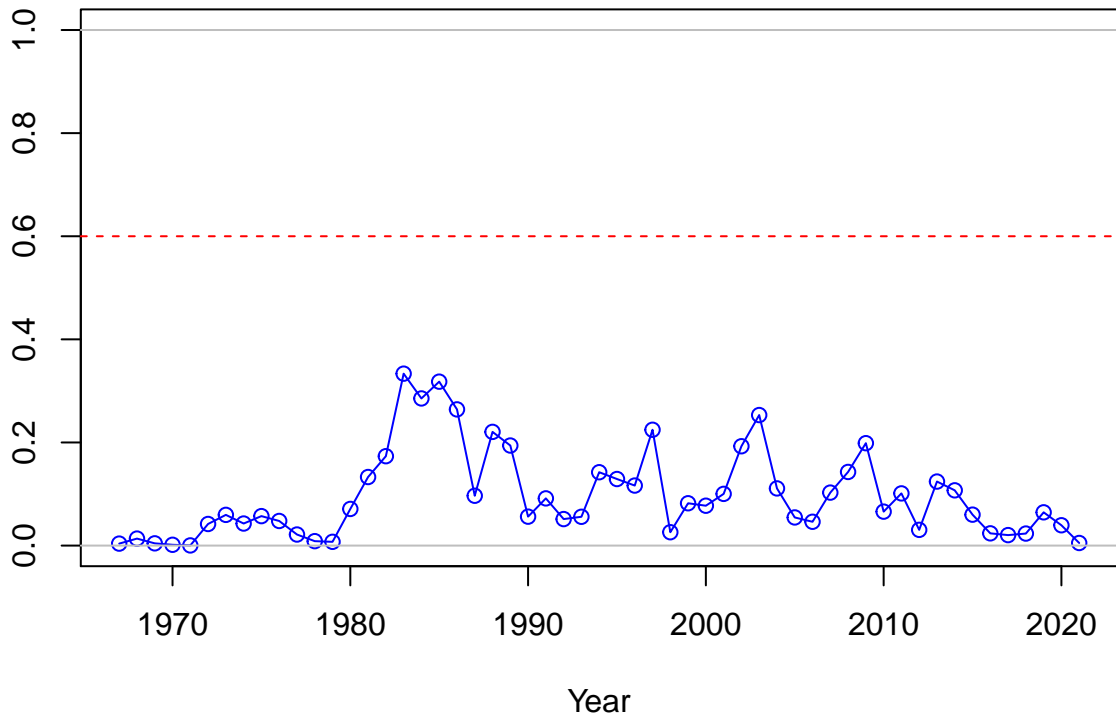


SPR

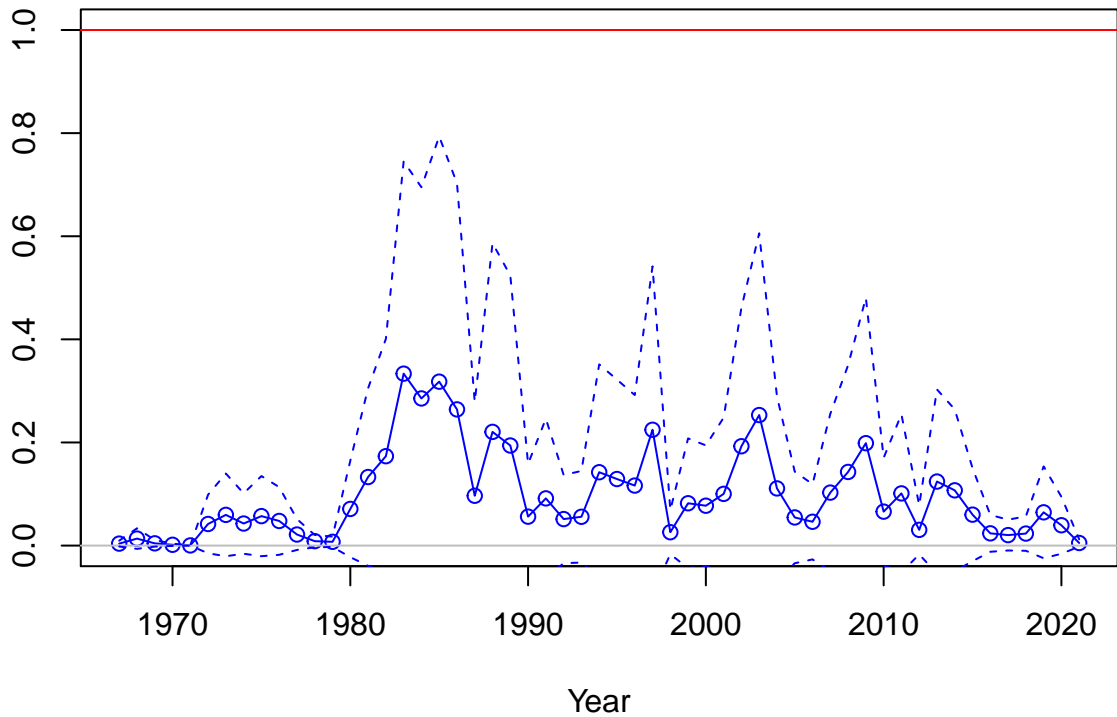




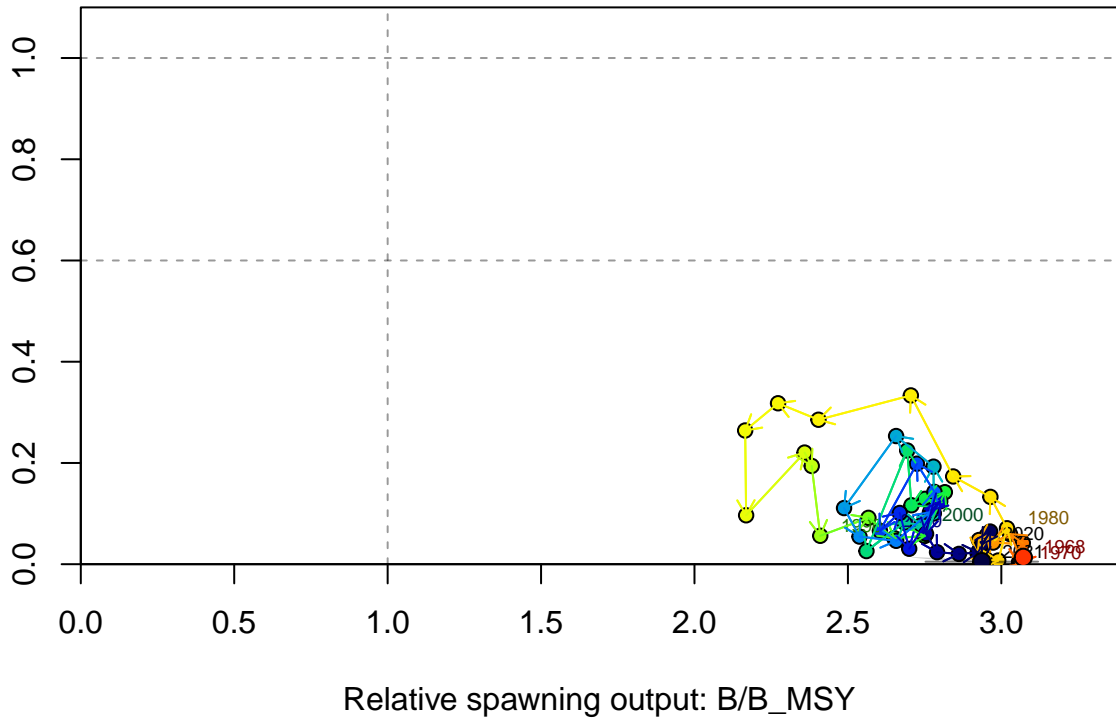
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

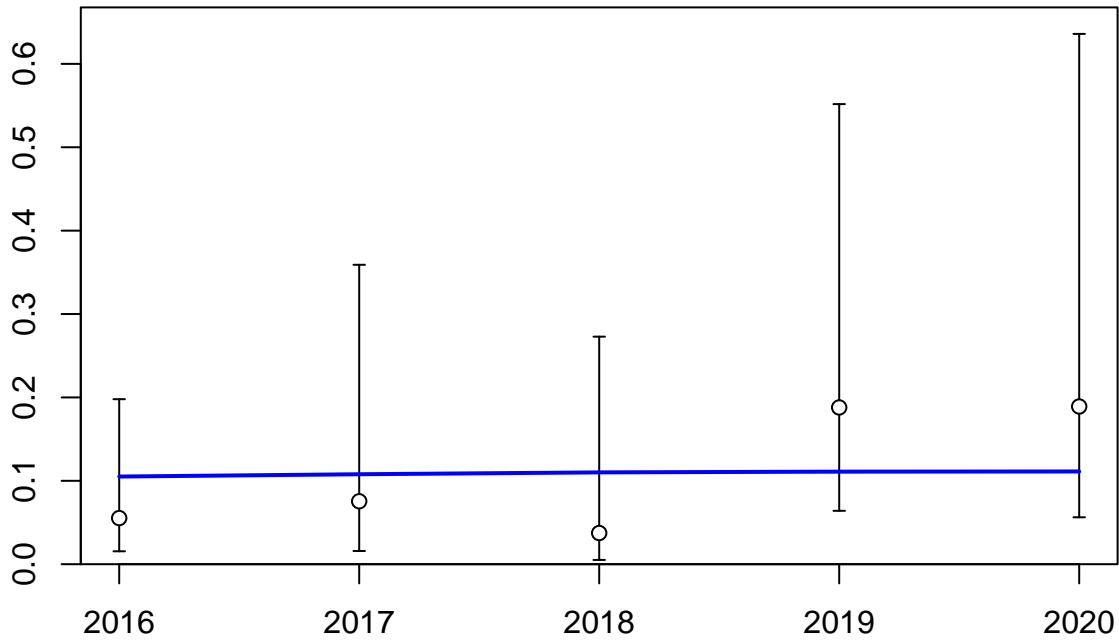


Index

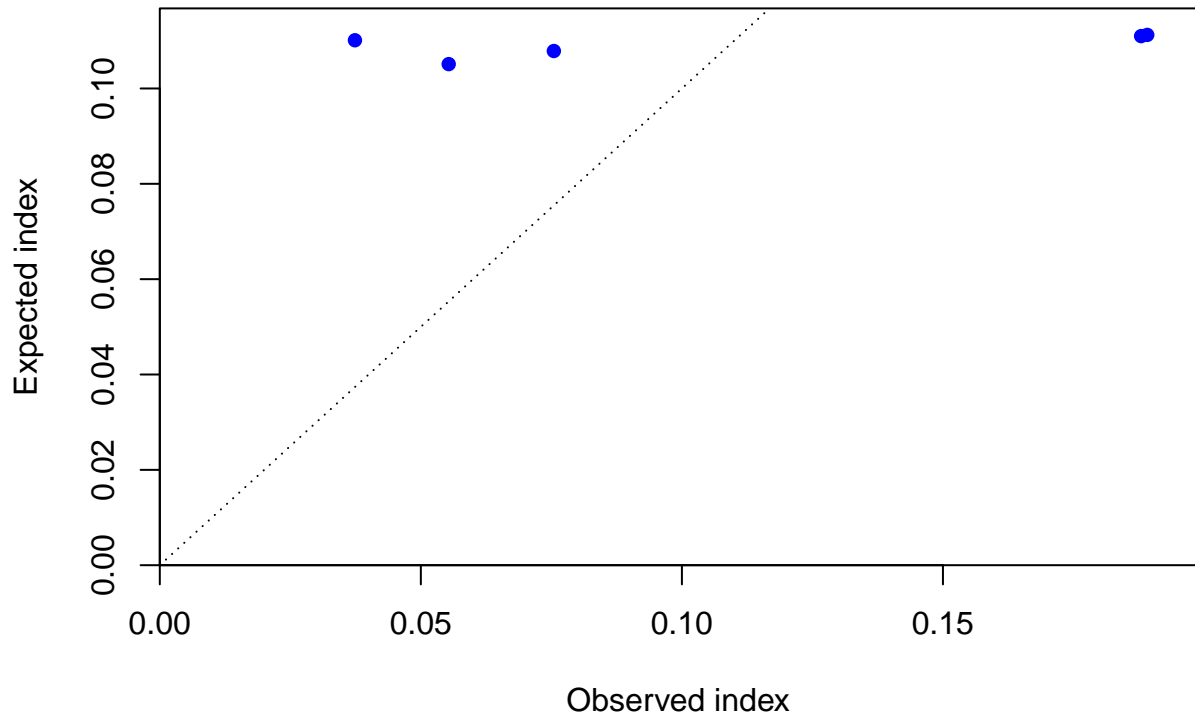


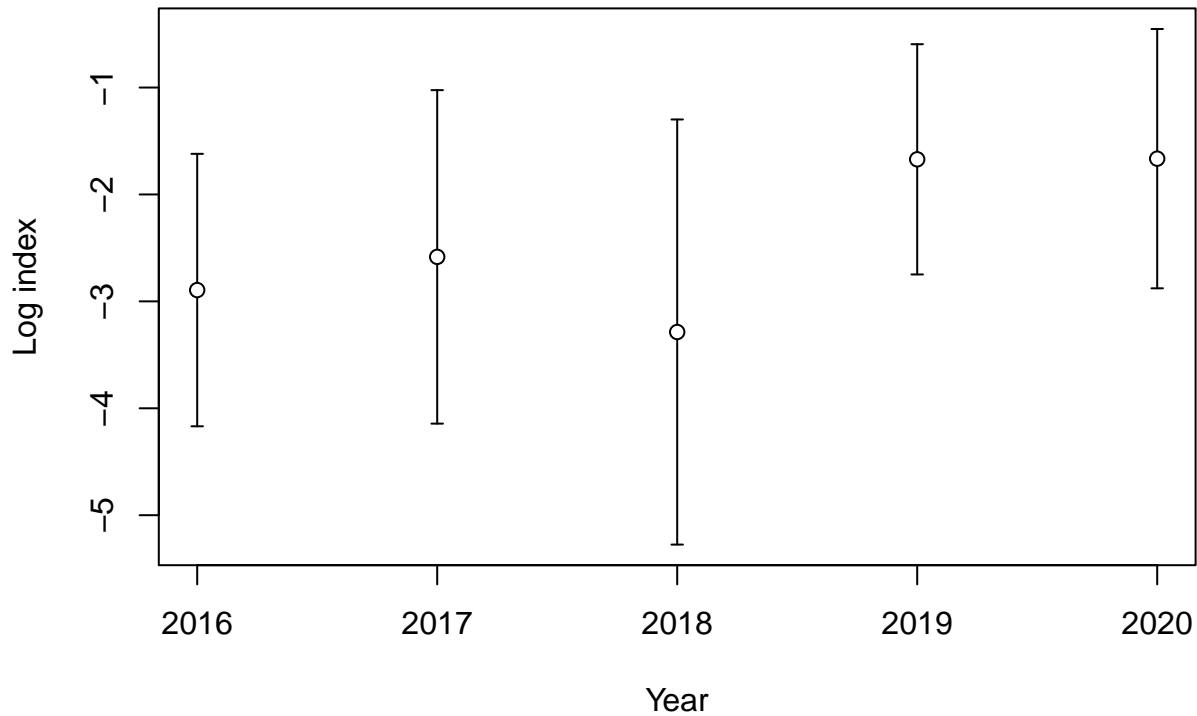
Year

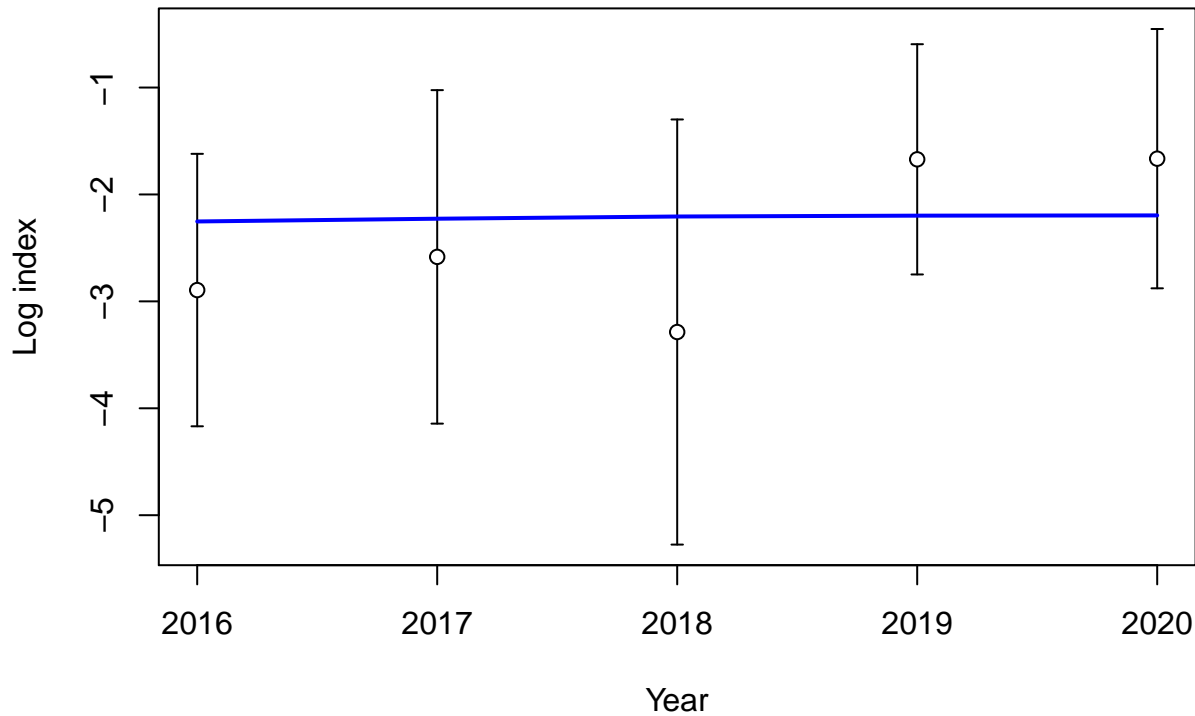
Index



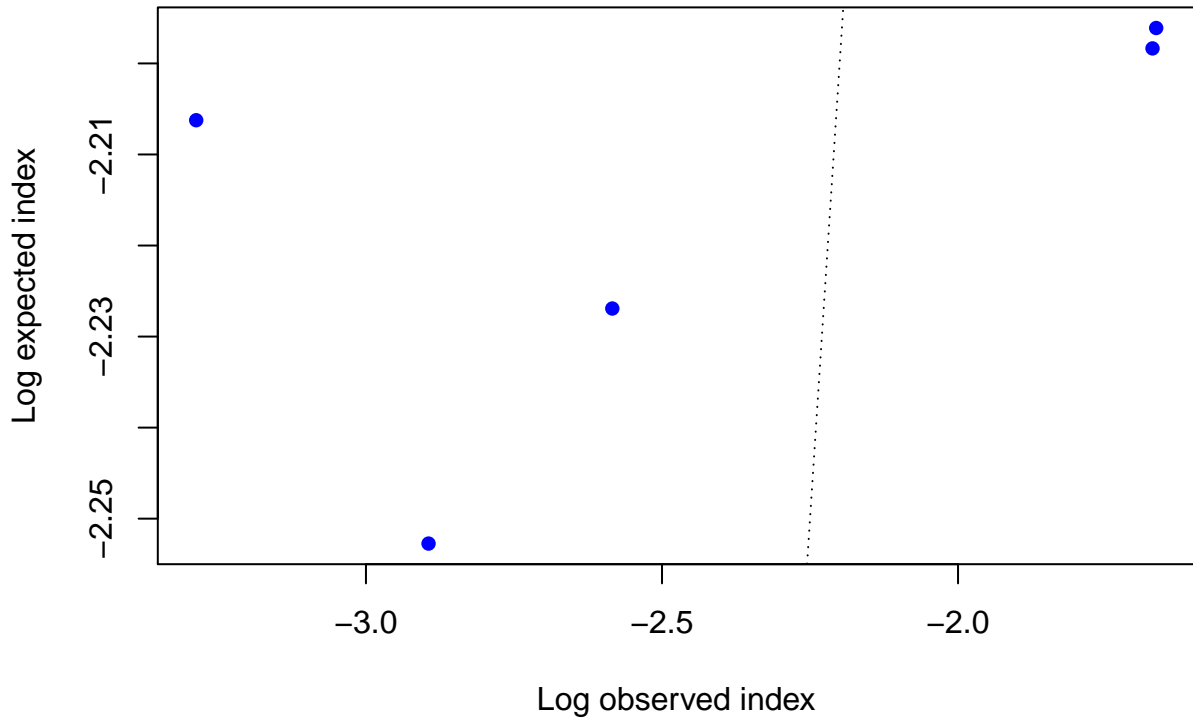
Year



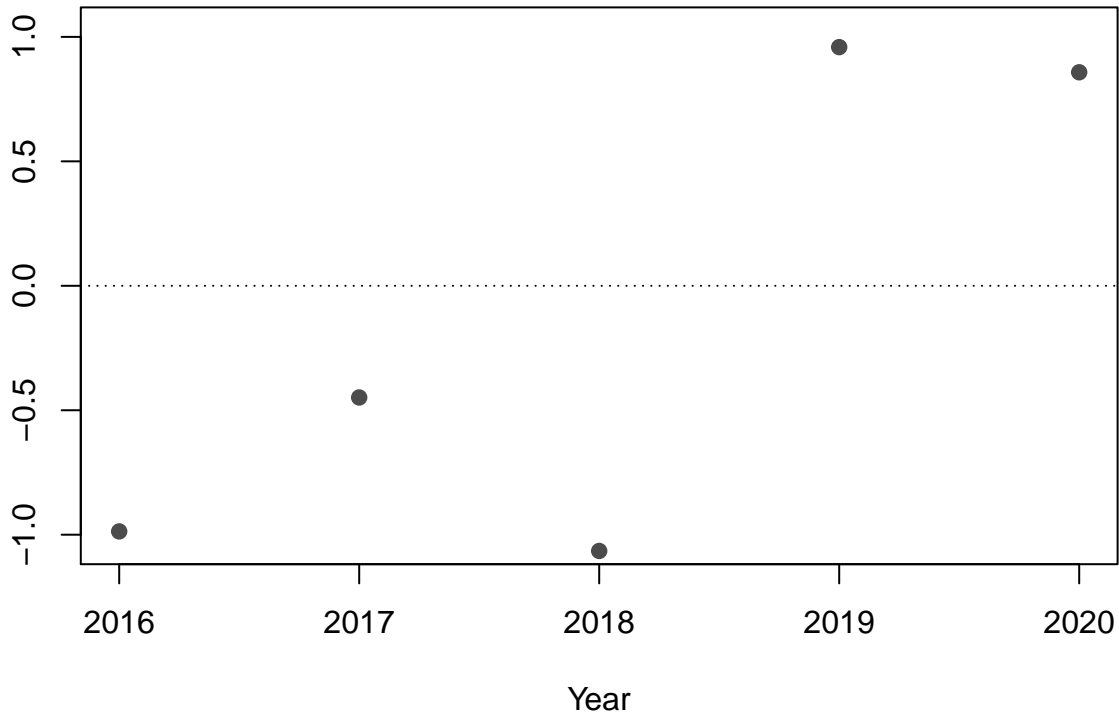


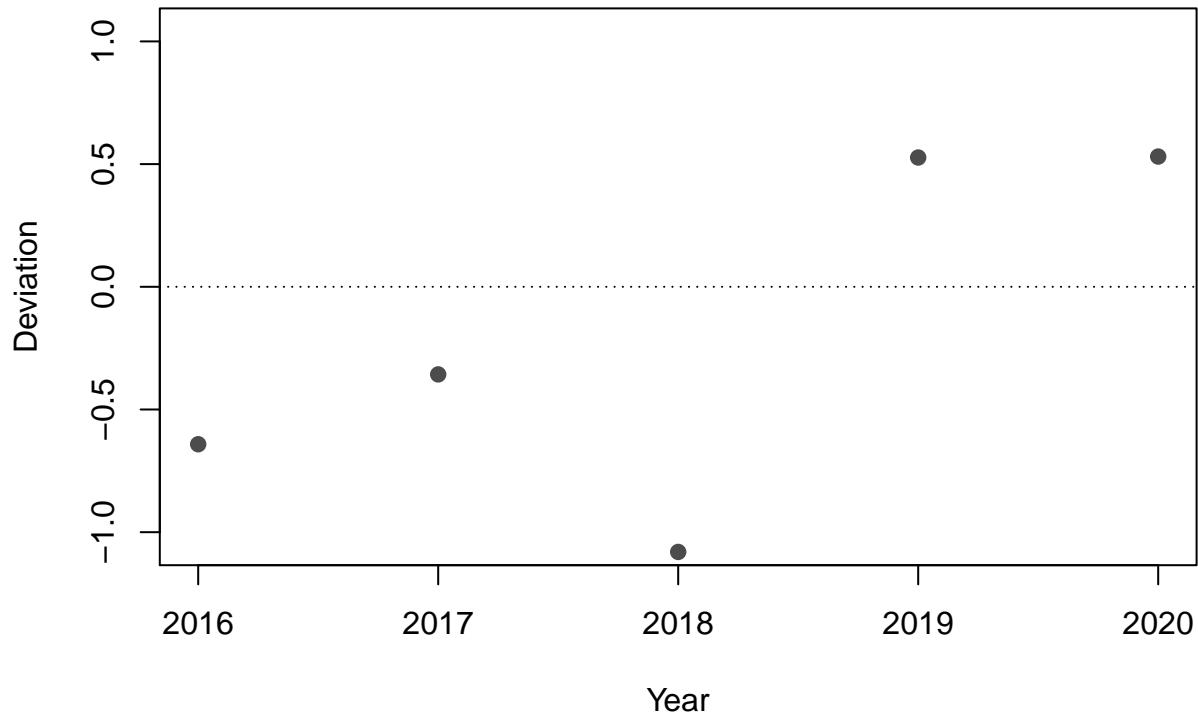






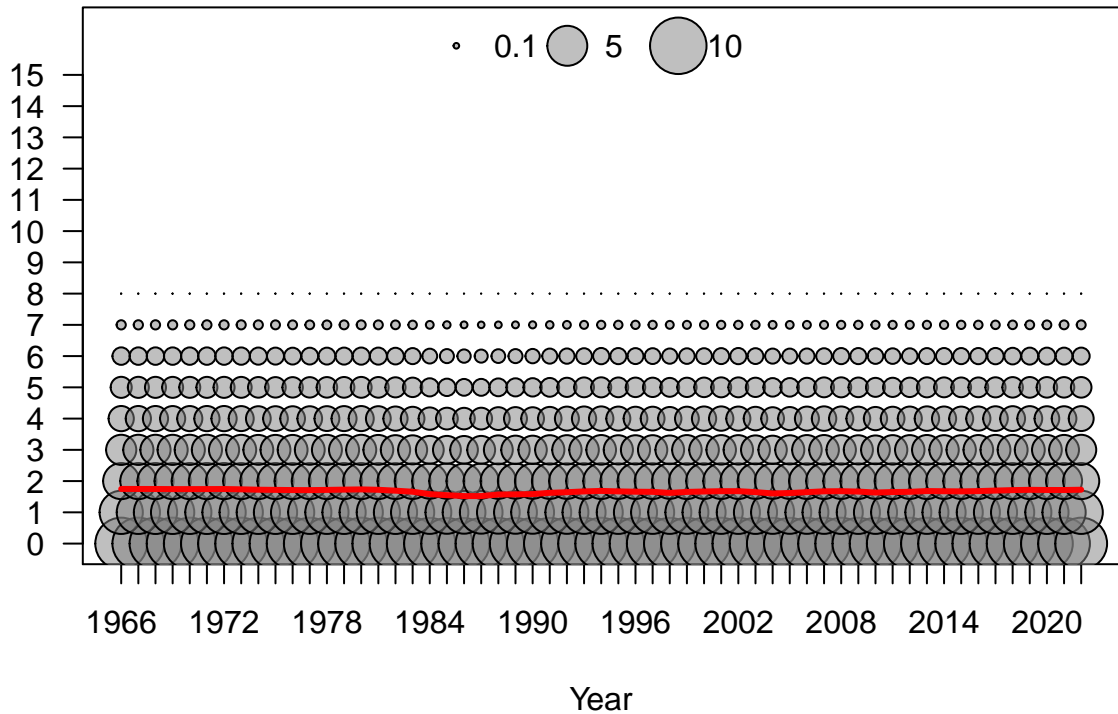
Residual



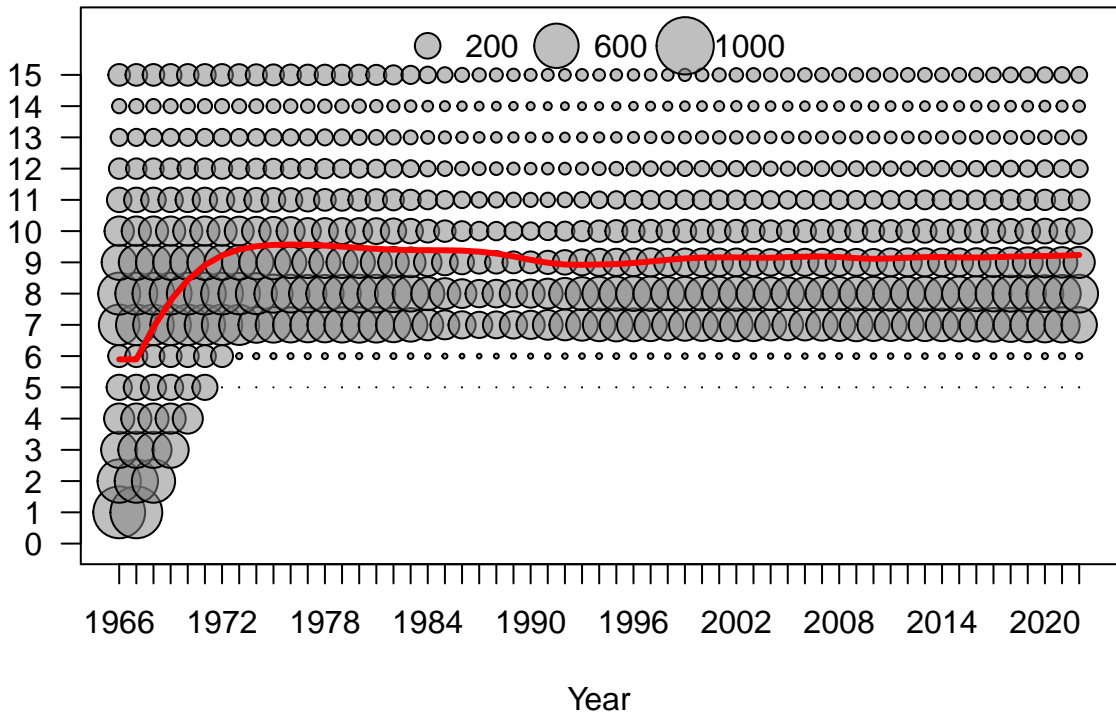


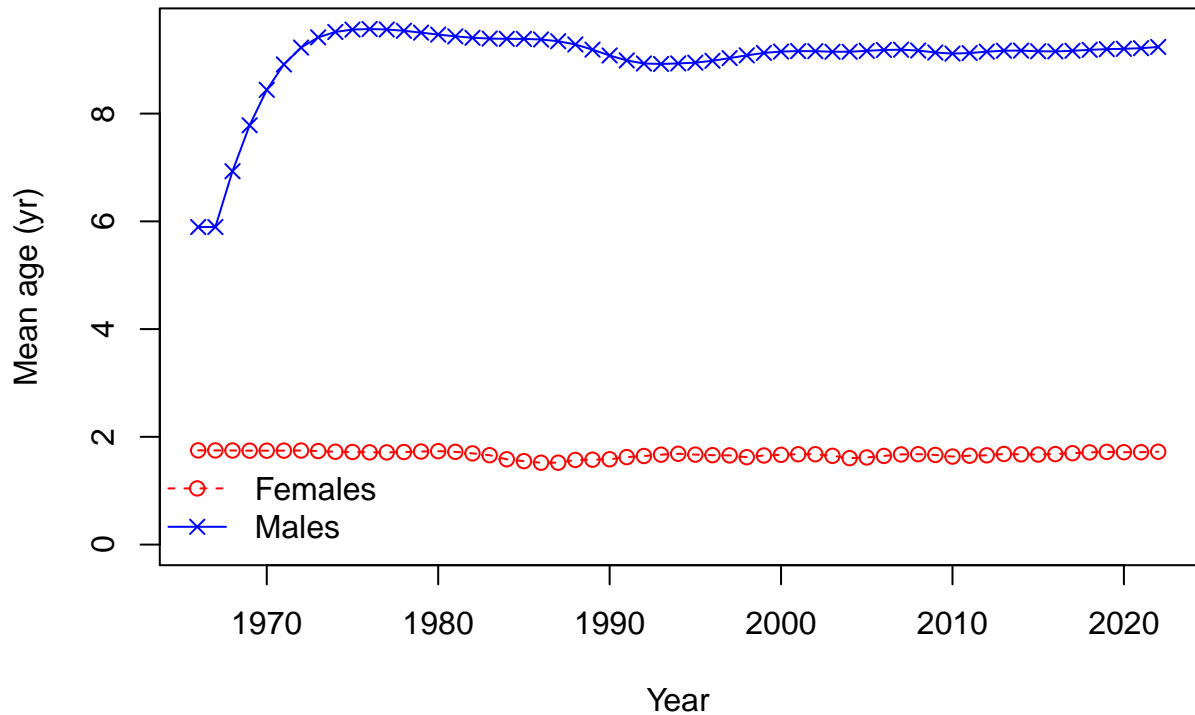


Age

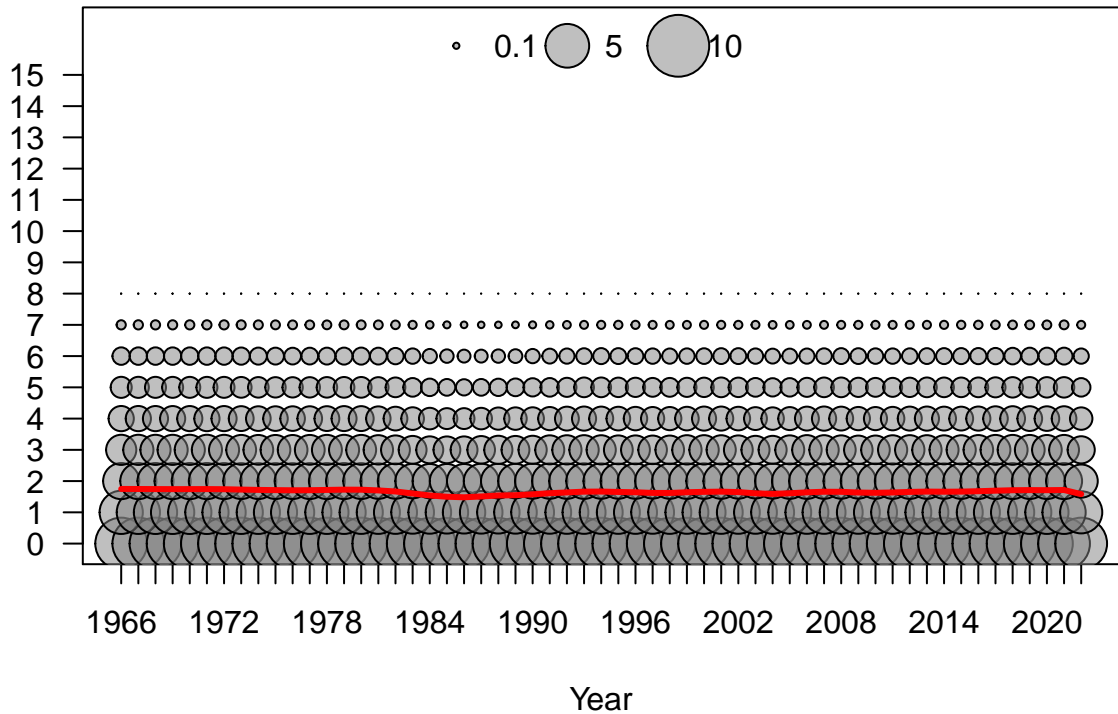


Age

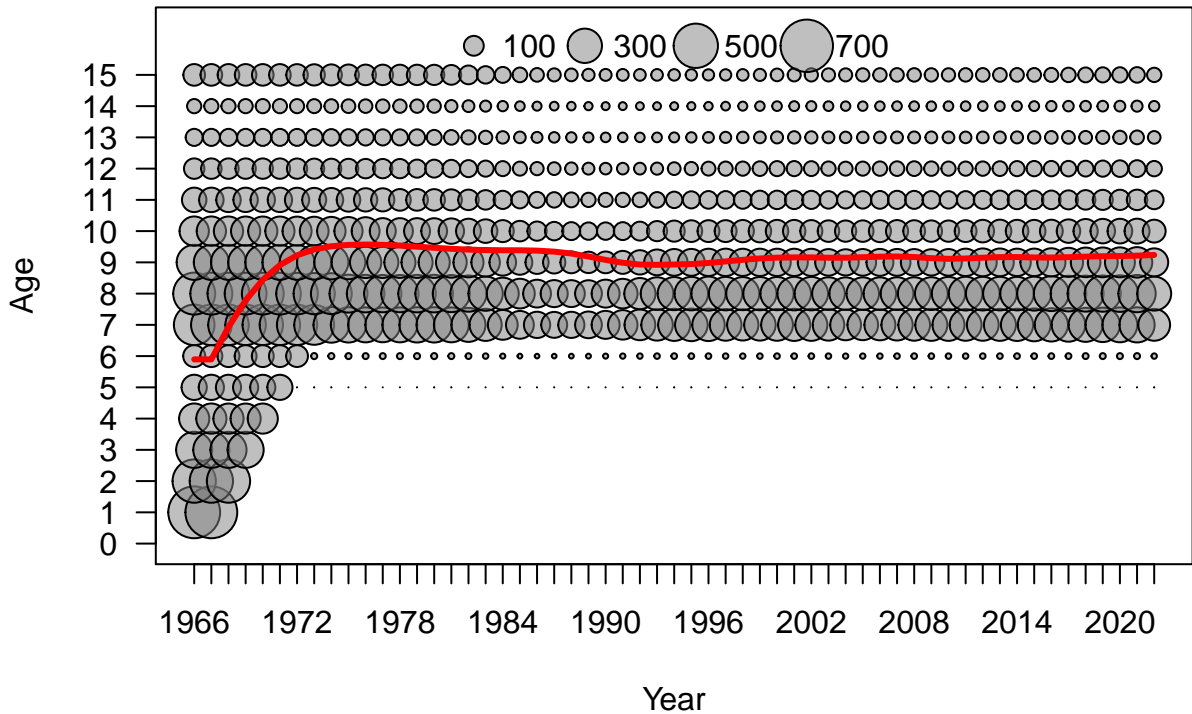


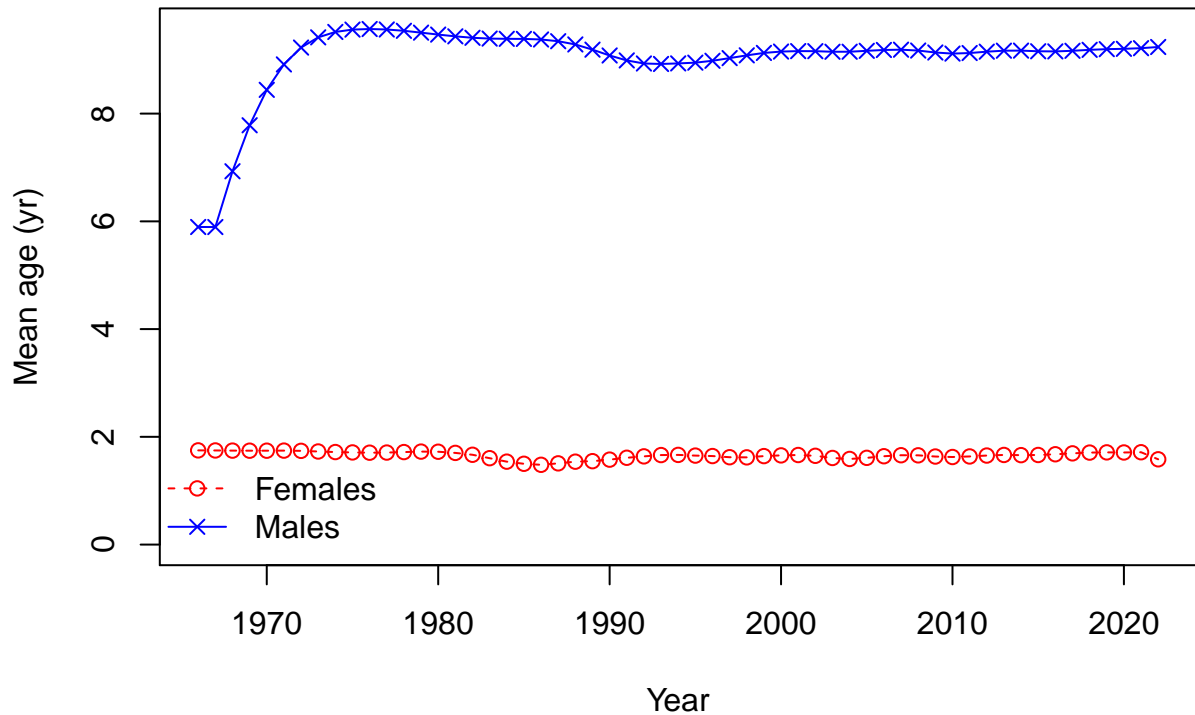


Age









Age

14  
12  
10  
8  
6  
4  
2  
0

1970

1980

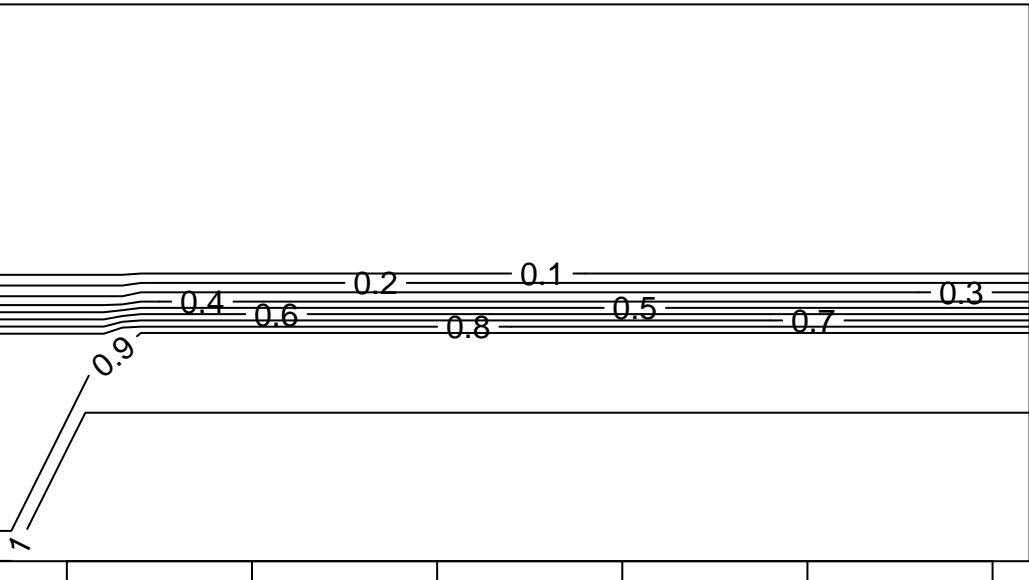
1990

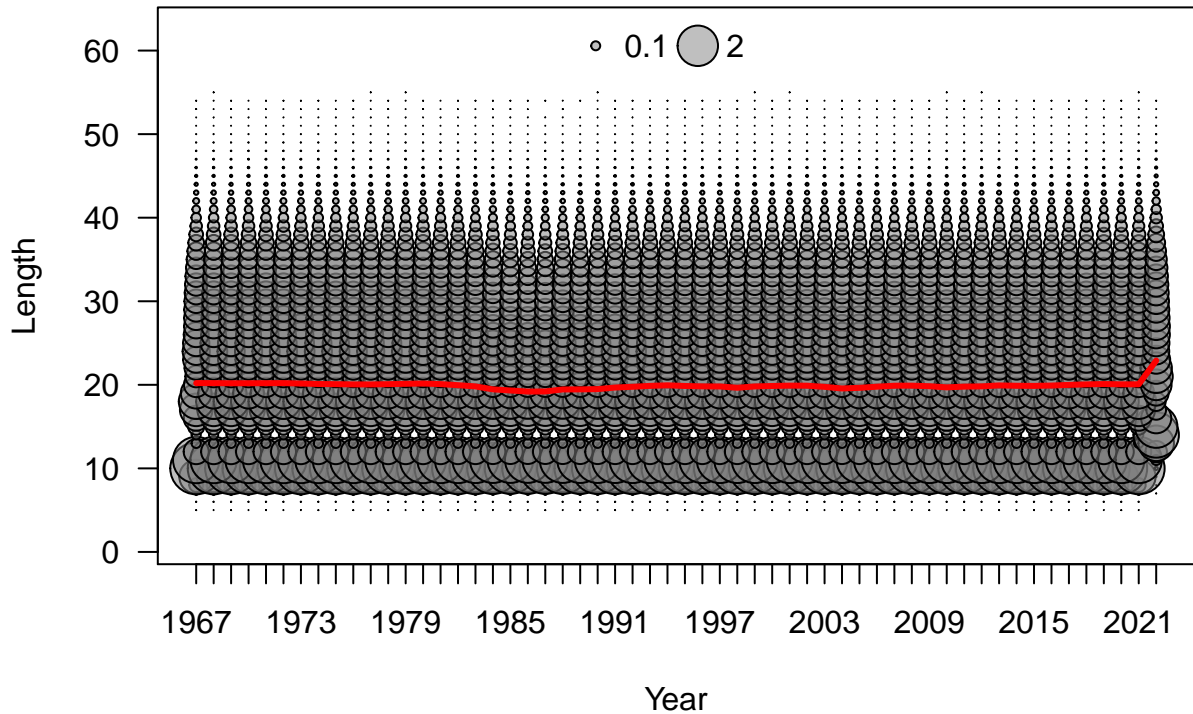
2000

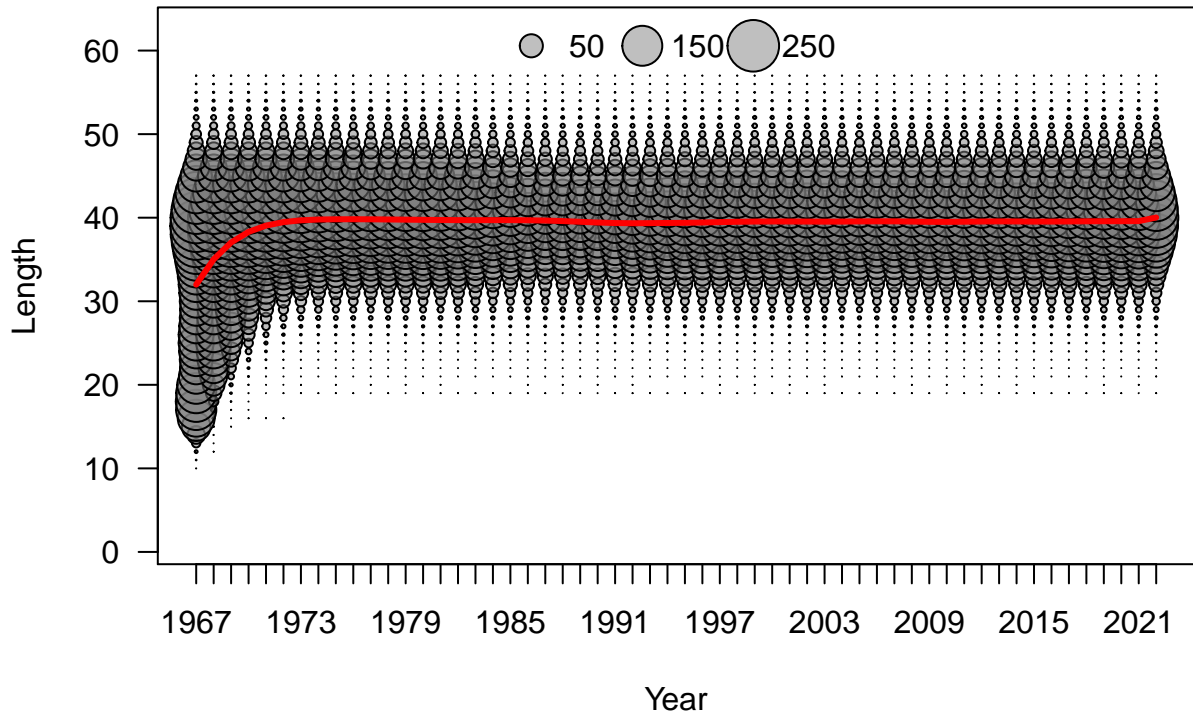
2010

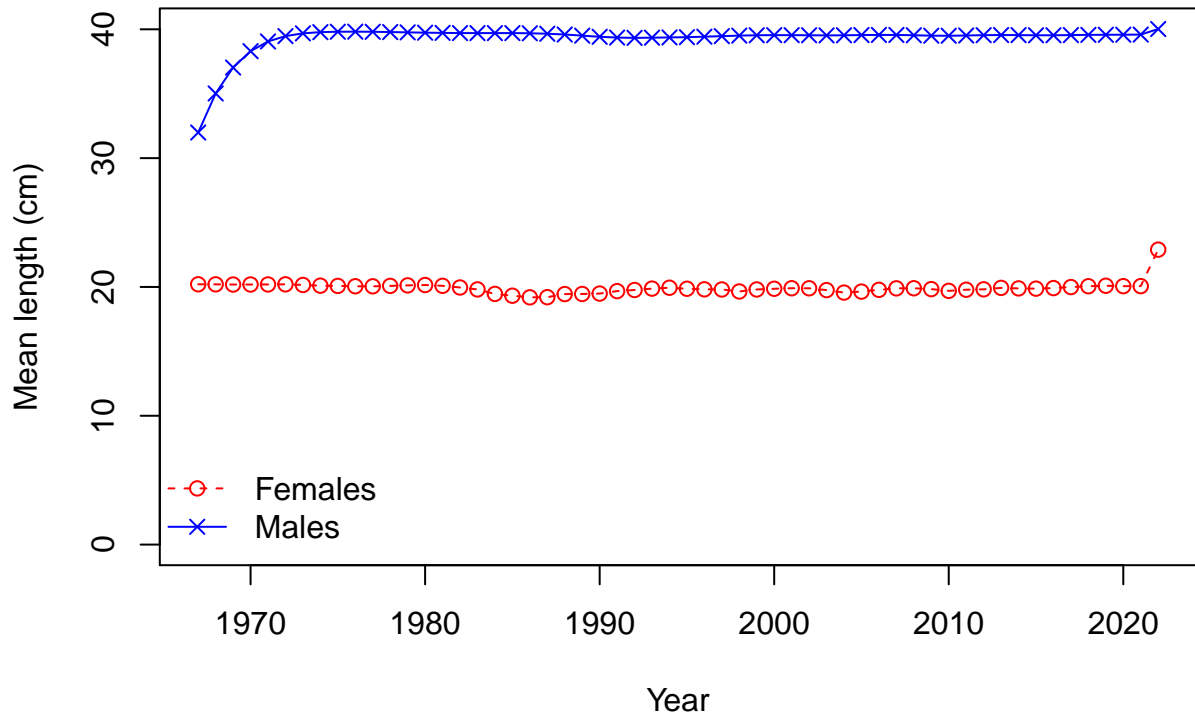
2020

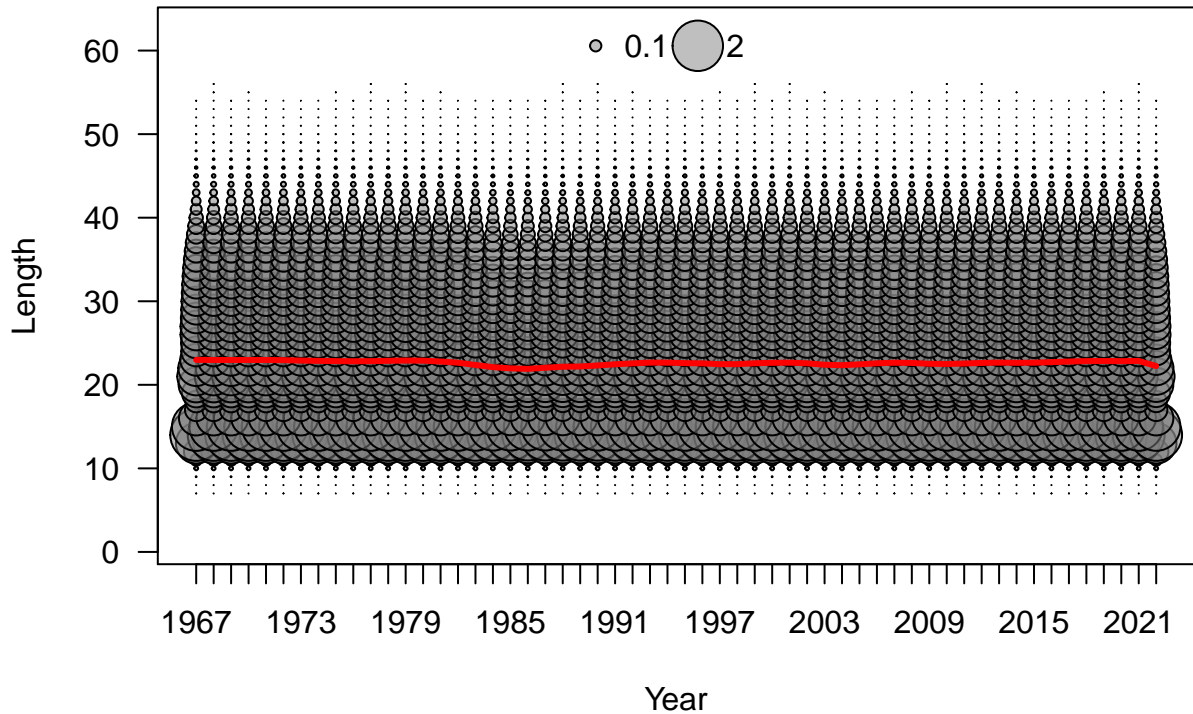
Year

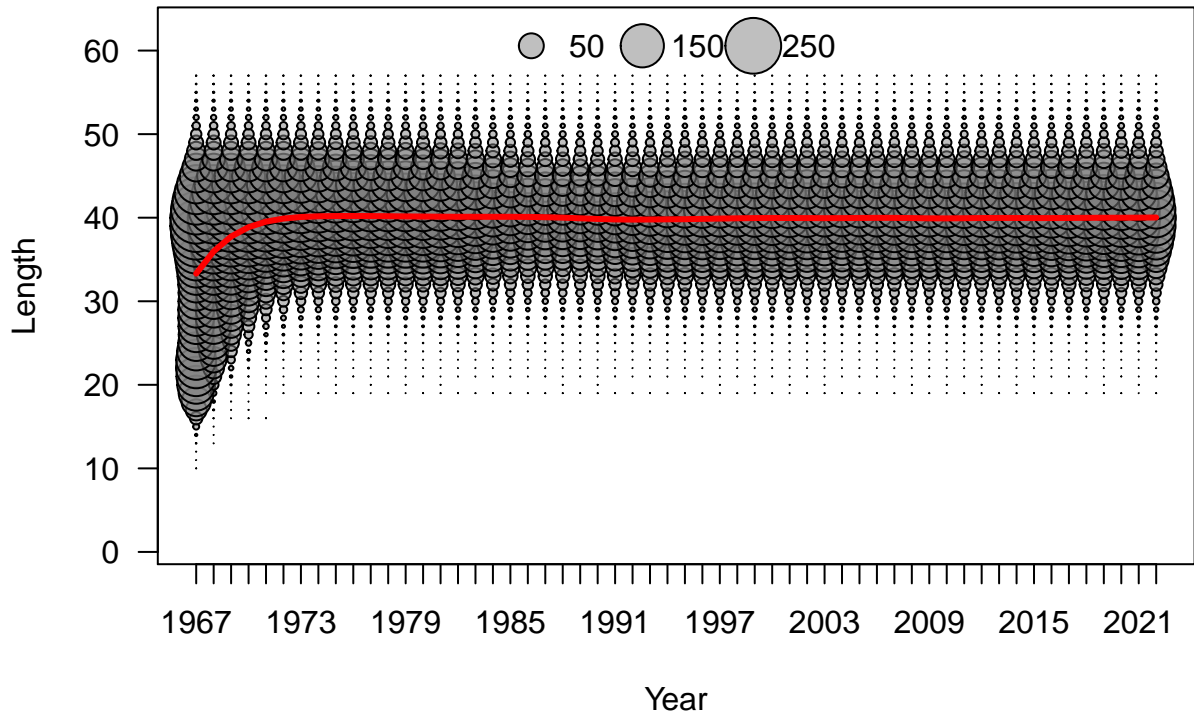




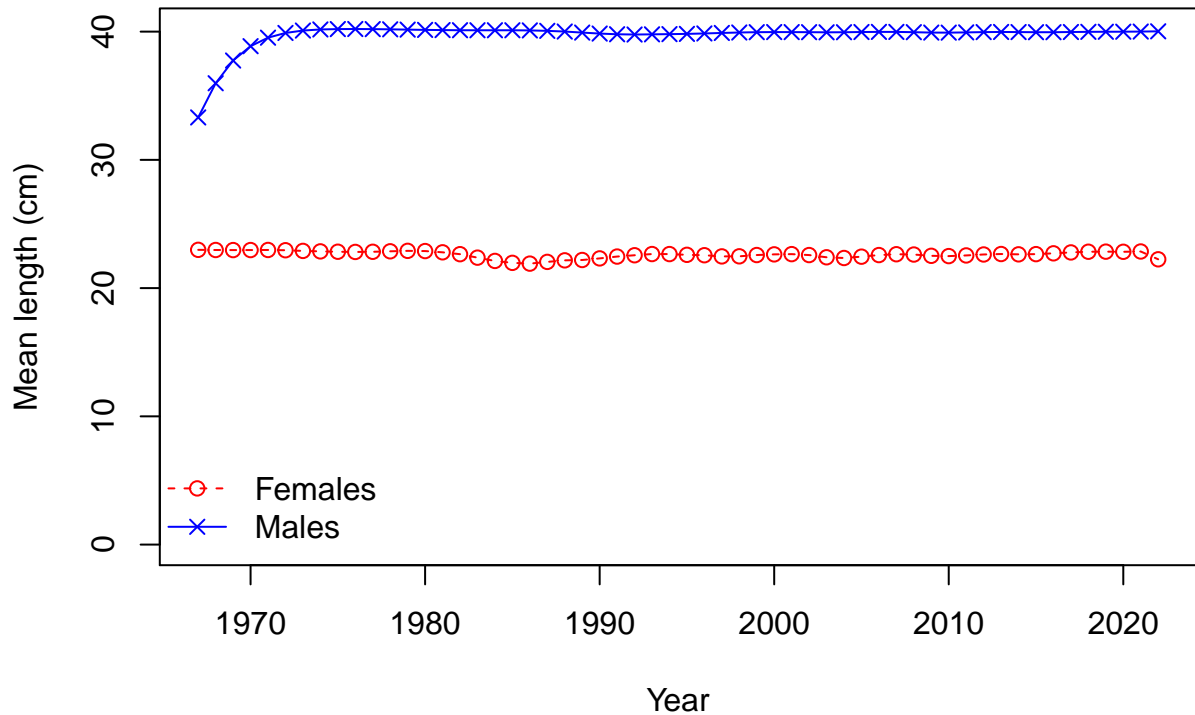


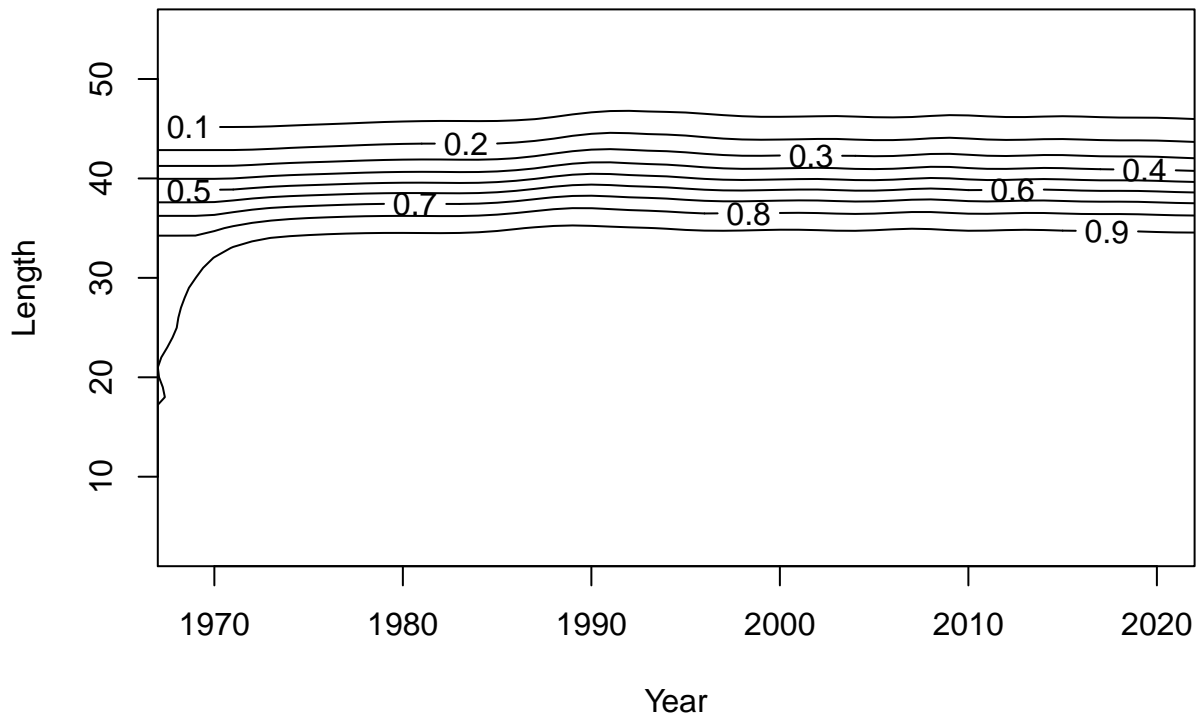


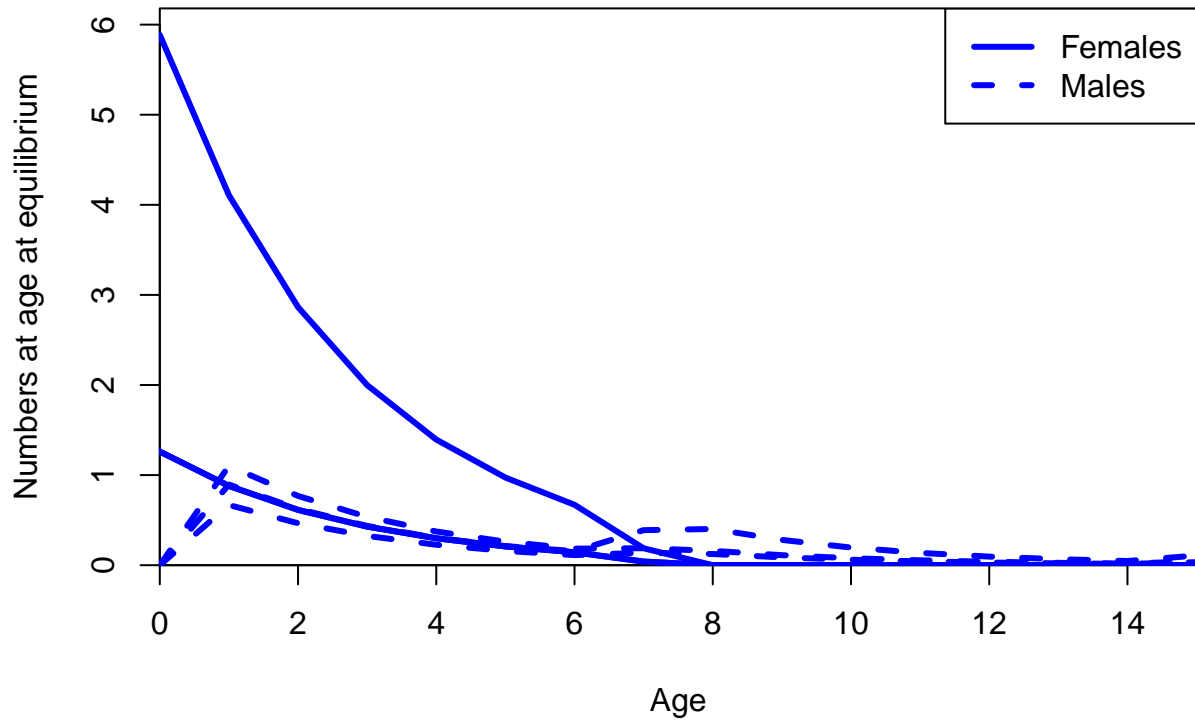


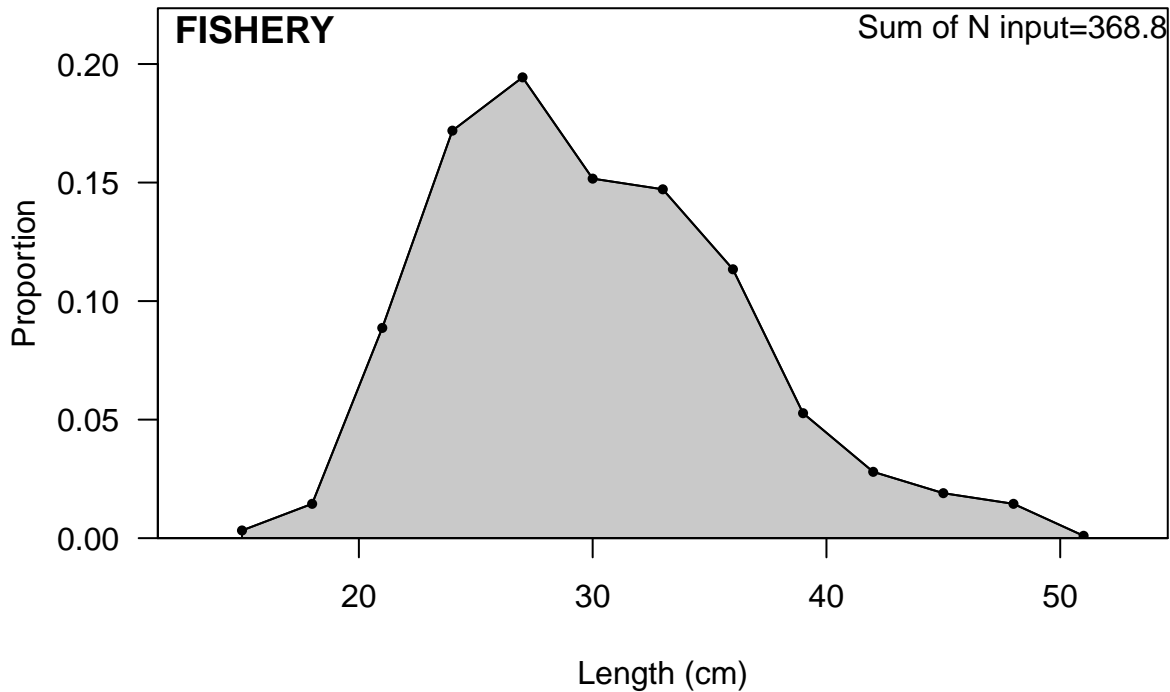


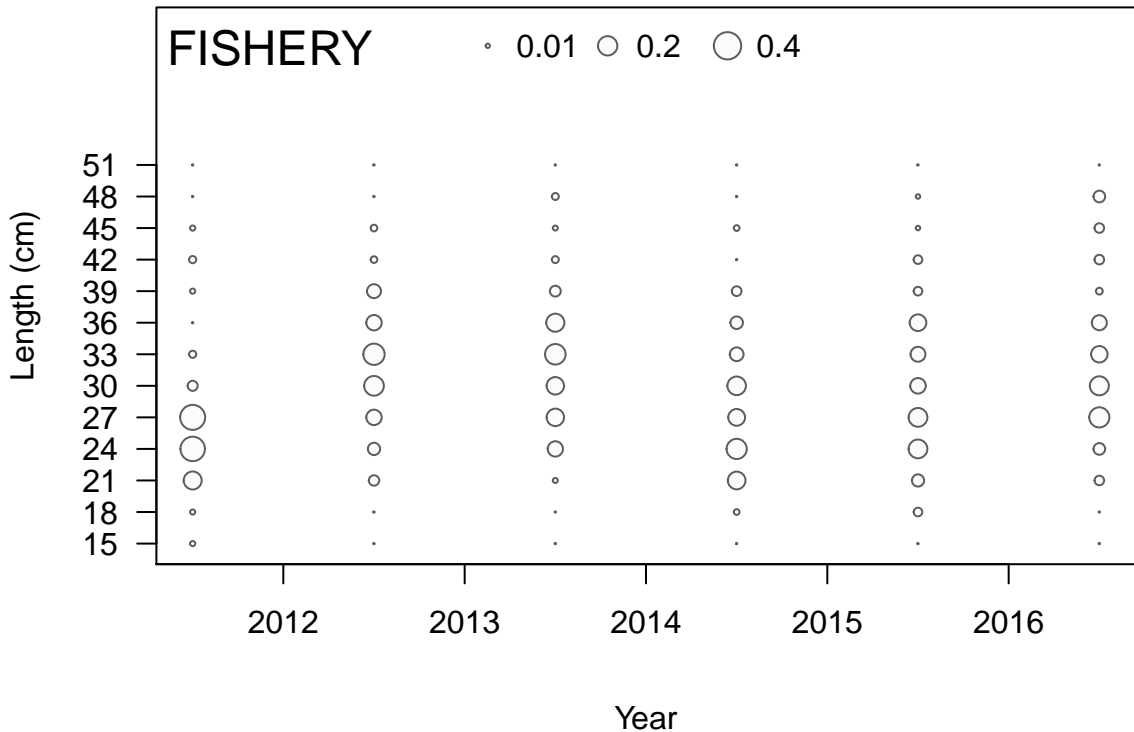












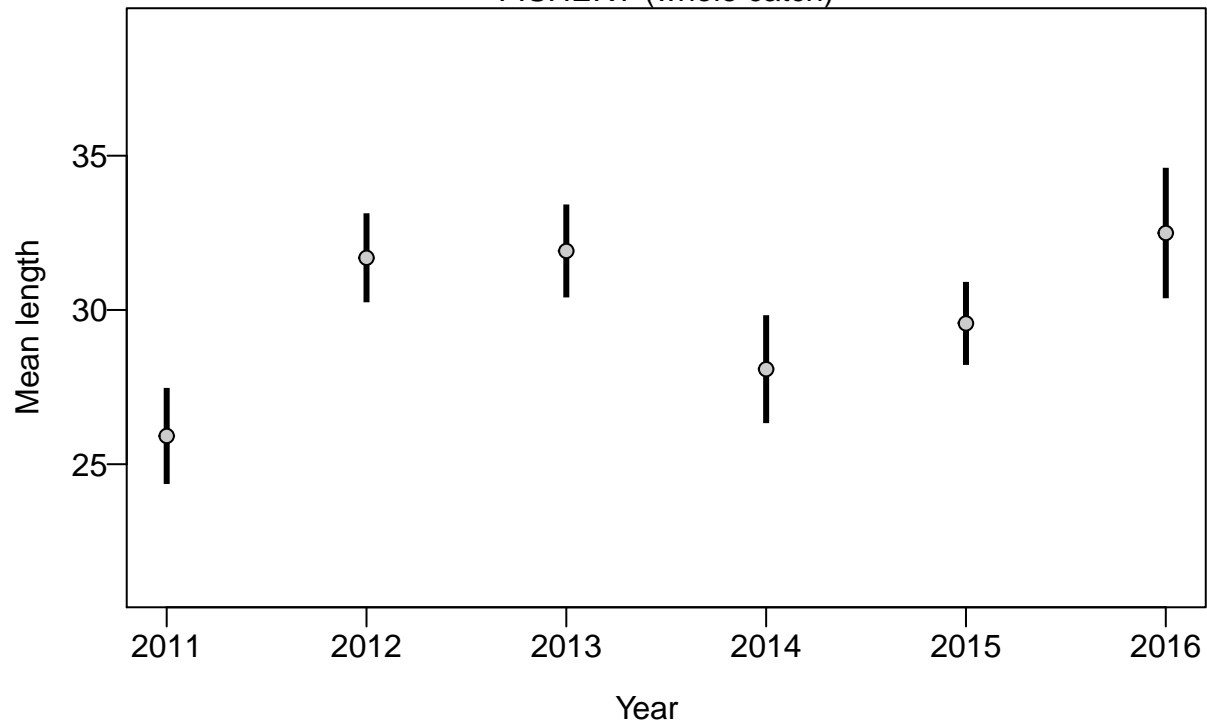
Proportion



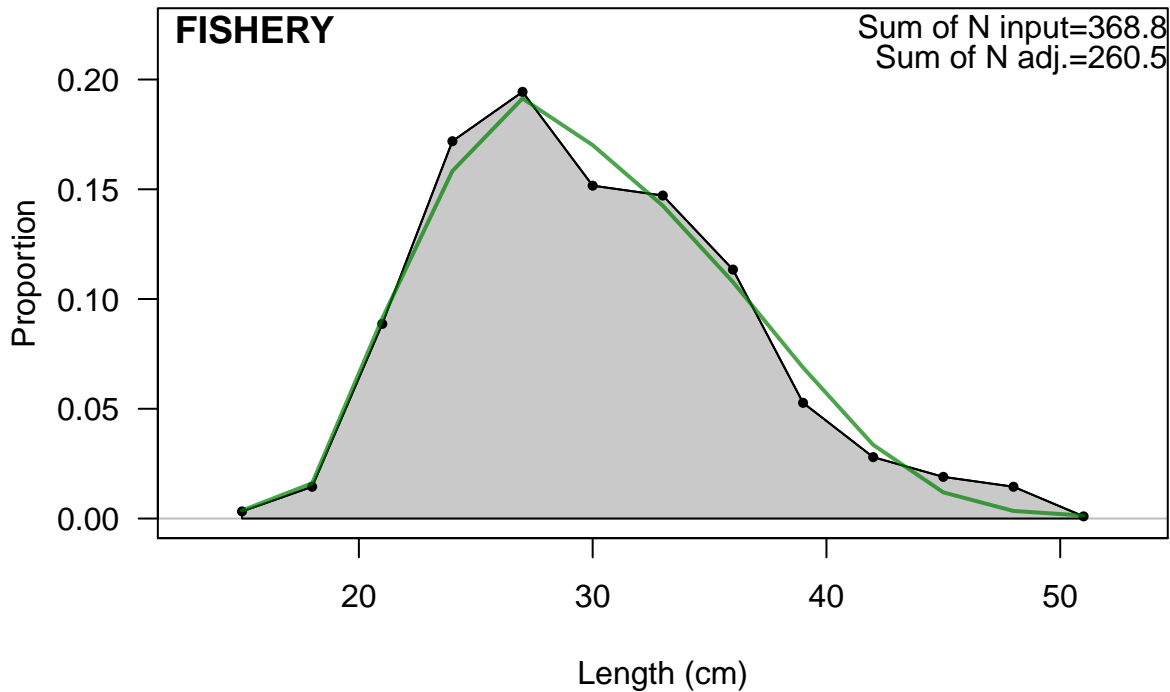
Length (cm)

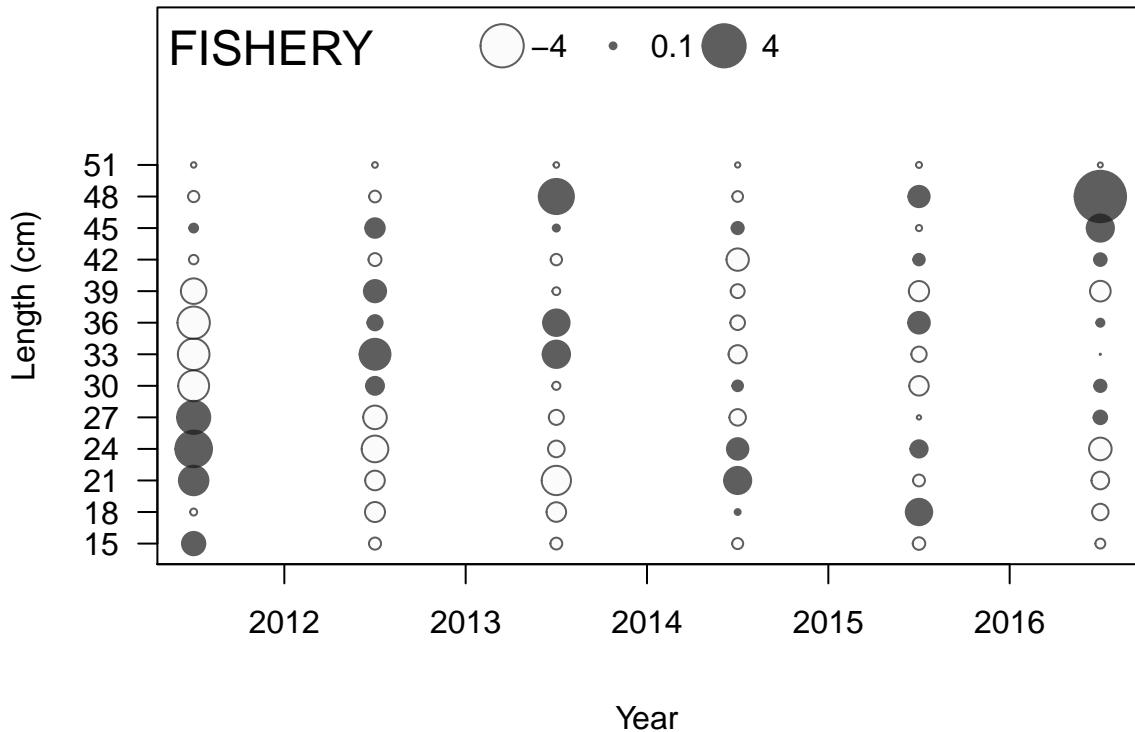


FISHERY (whole catch)

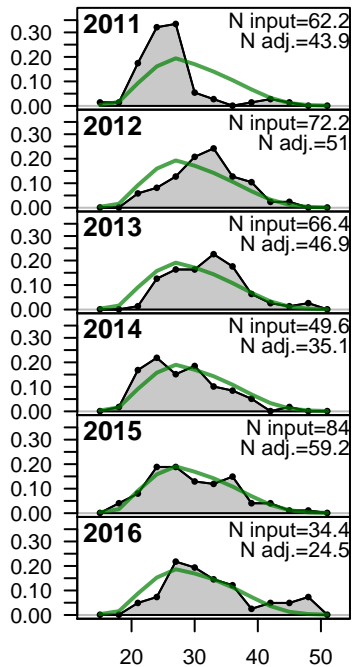




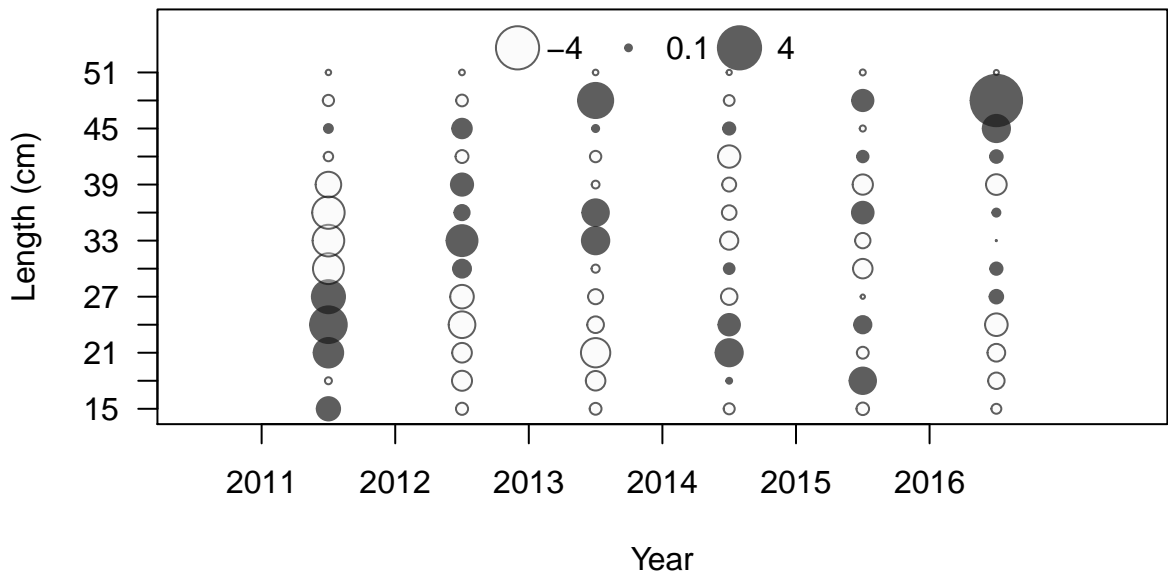




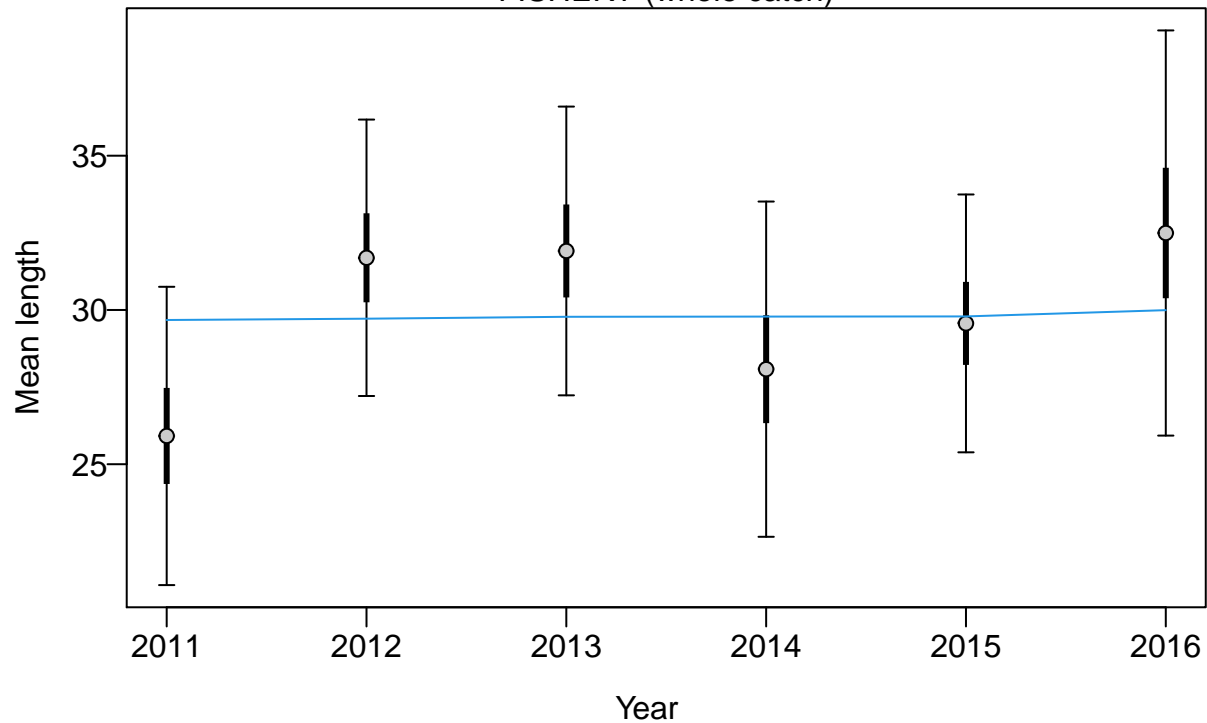
Proportion

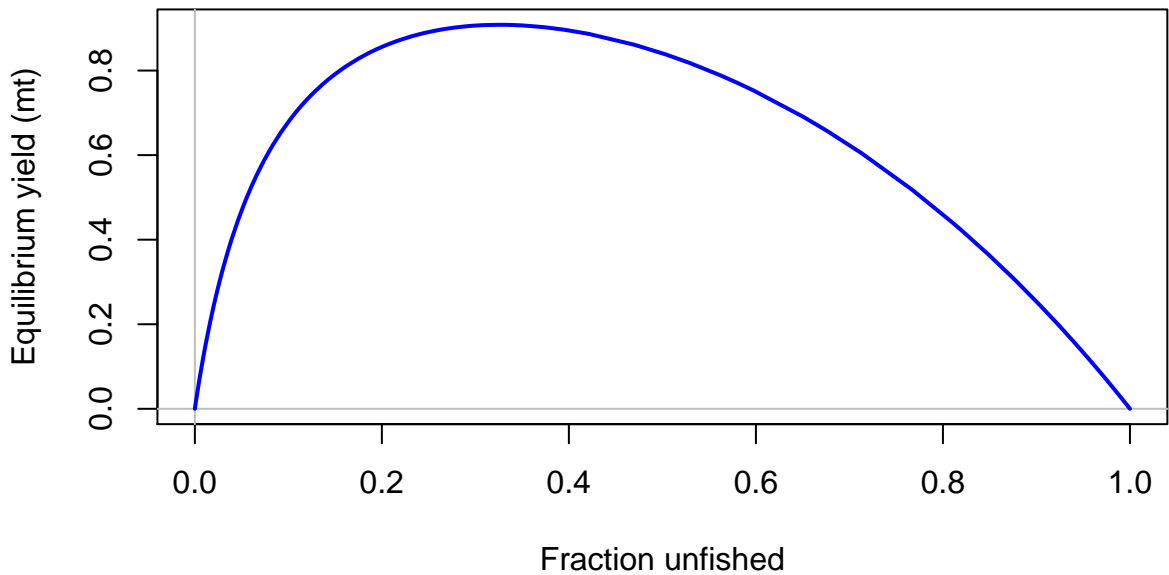


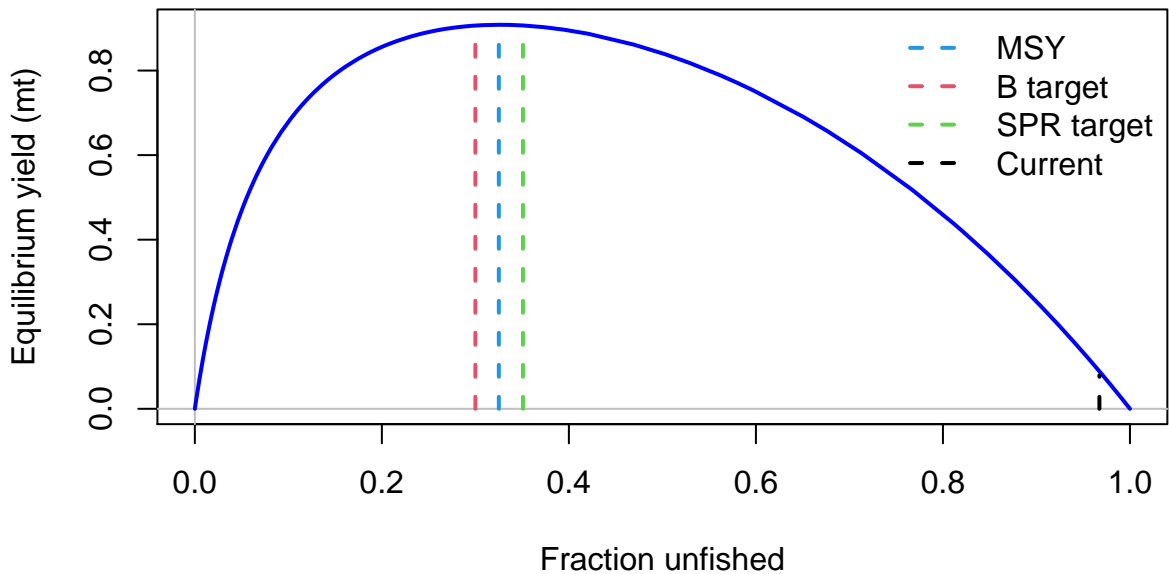
Length (cm)

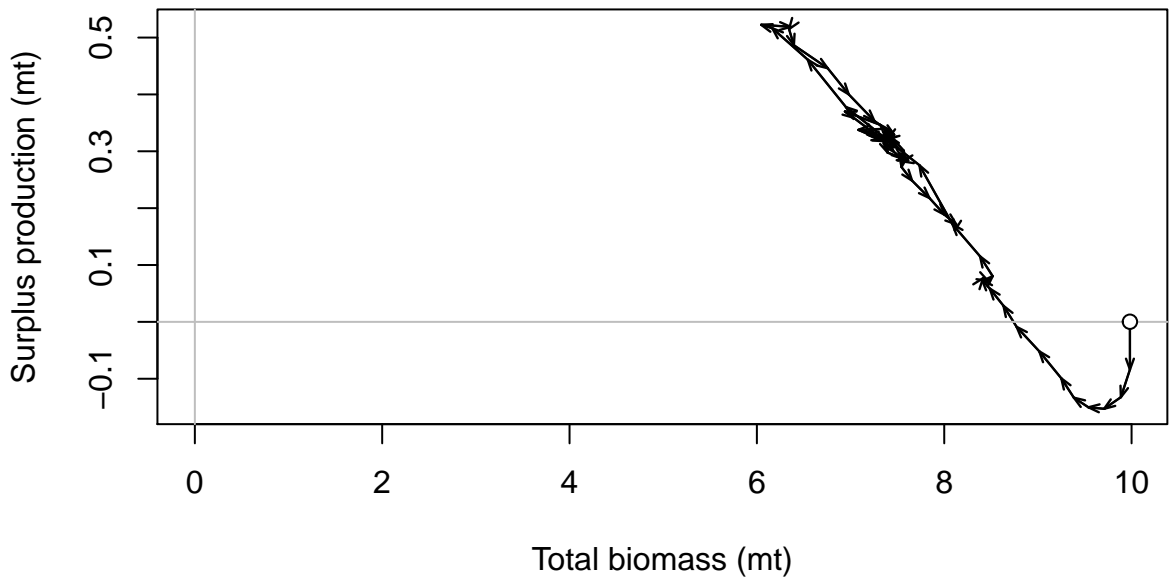


FISHERY (whole catch)

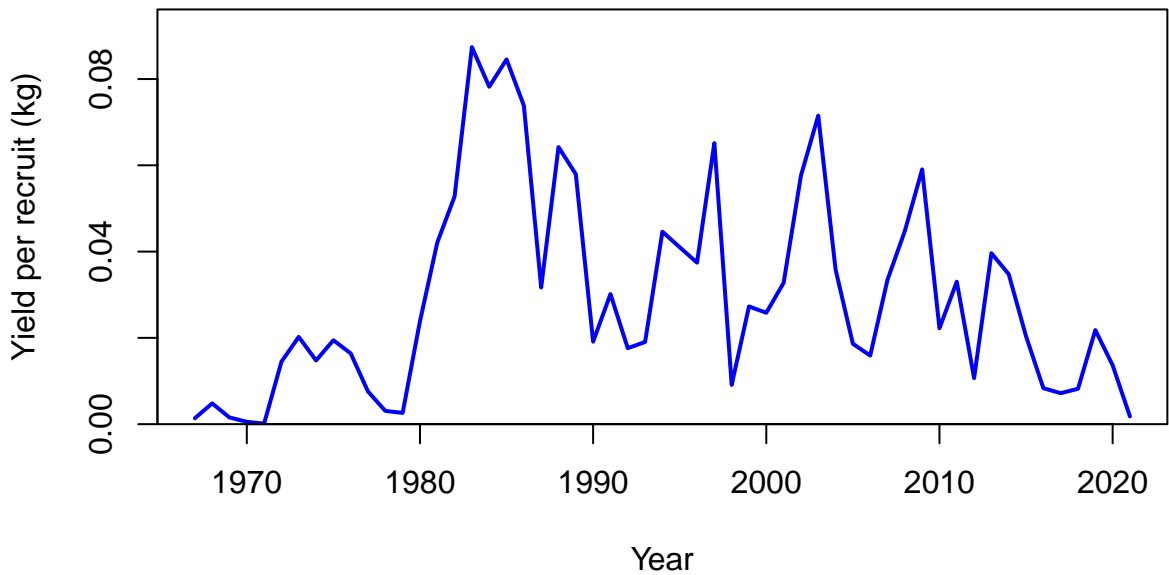




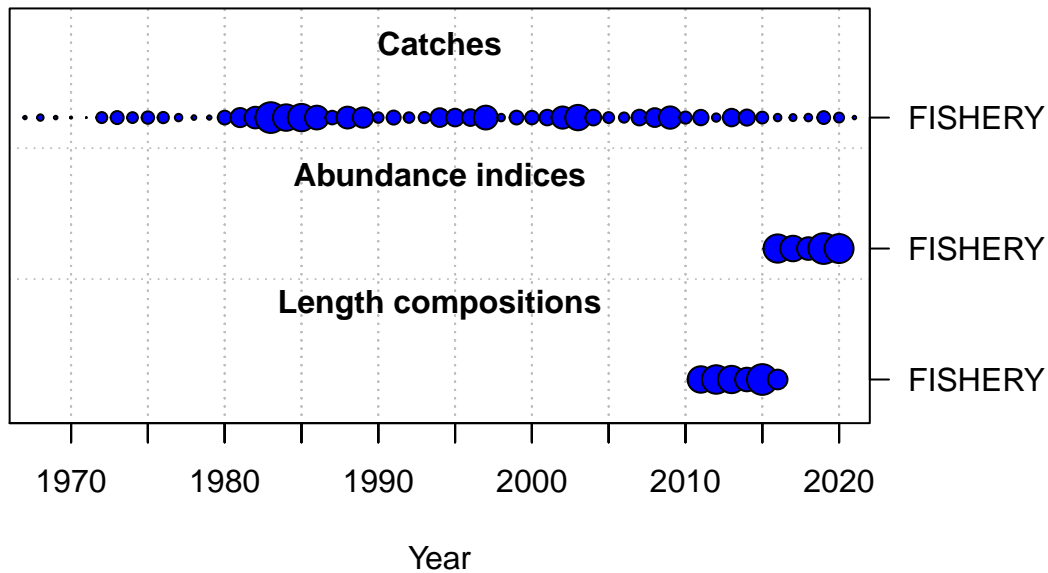




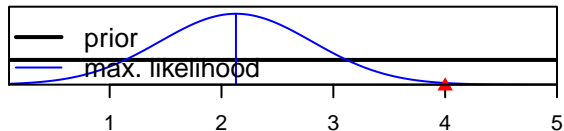




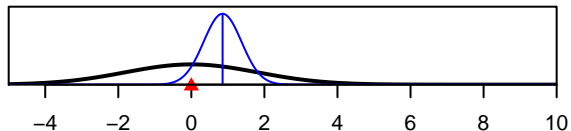




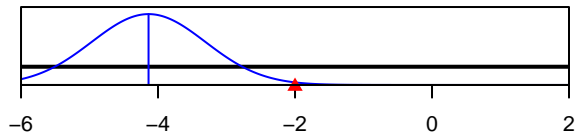
SR\_LN(R0)



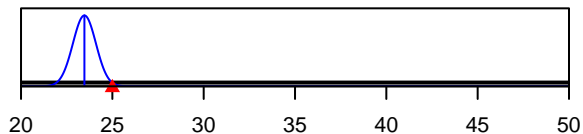
ln(DM\_theta)\_1



LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)

