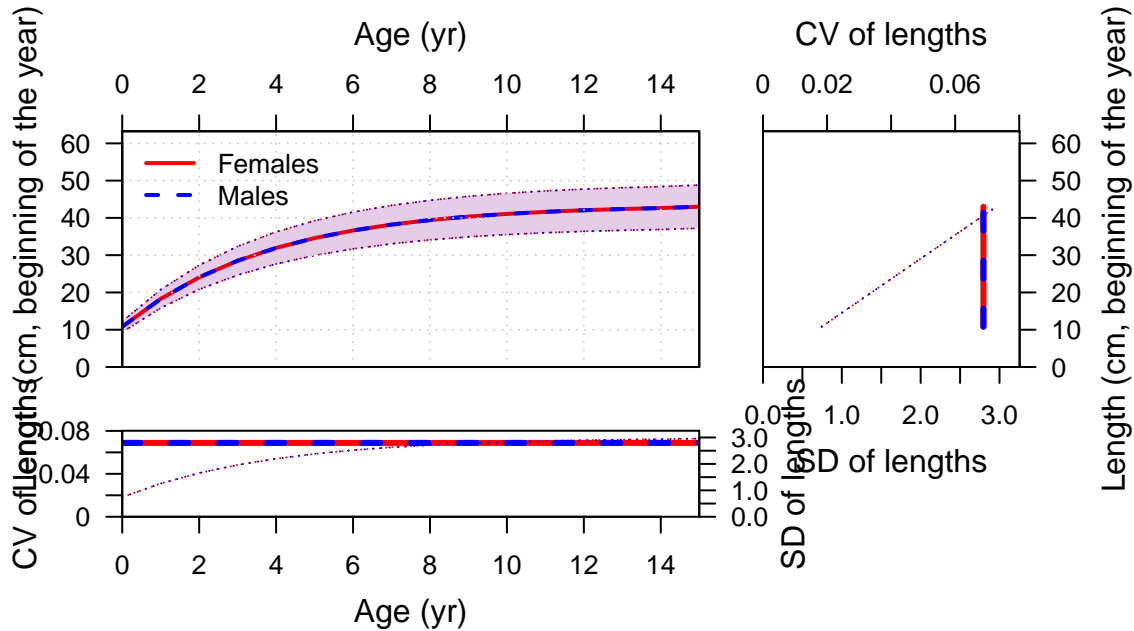


Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Tue Aug 16 11:15:57 2022  
Data\_File: data.ss  
Control\_File: control.ss

Length (cm, beginning of the year)











































Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

30

40

50

Length (cm)







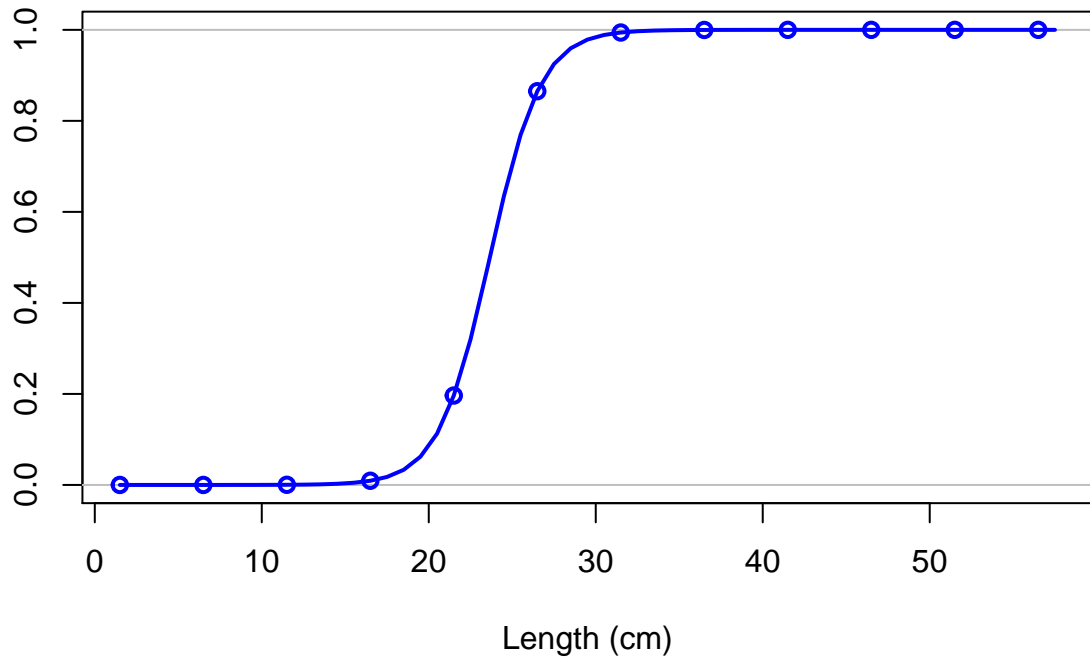
Hermaphroditism transition rate



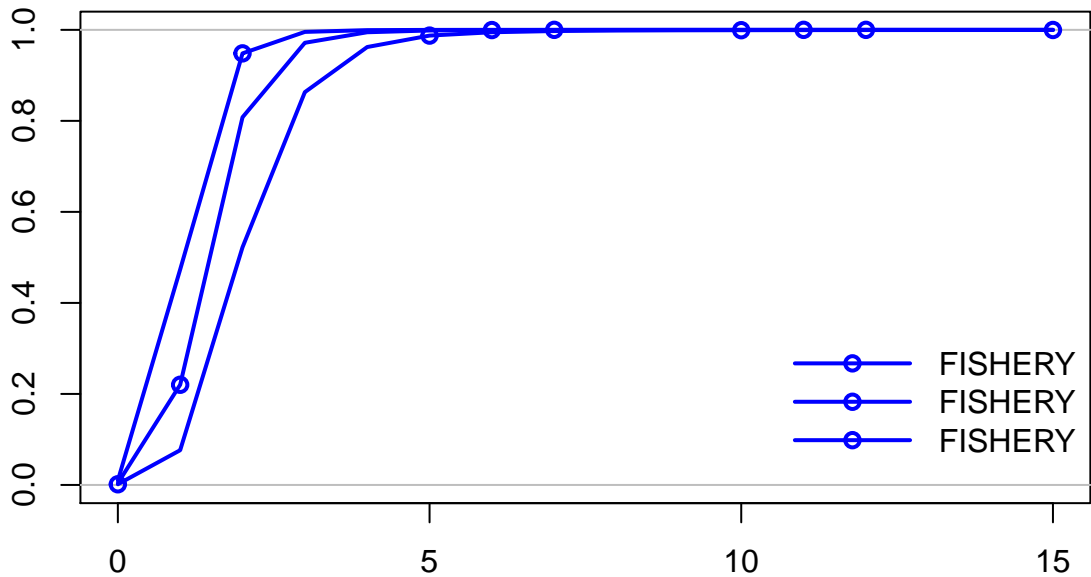
Fraction females by age at equilibrium



Selectivity

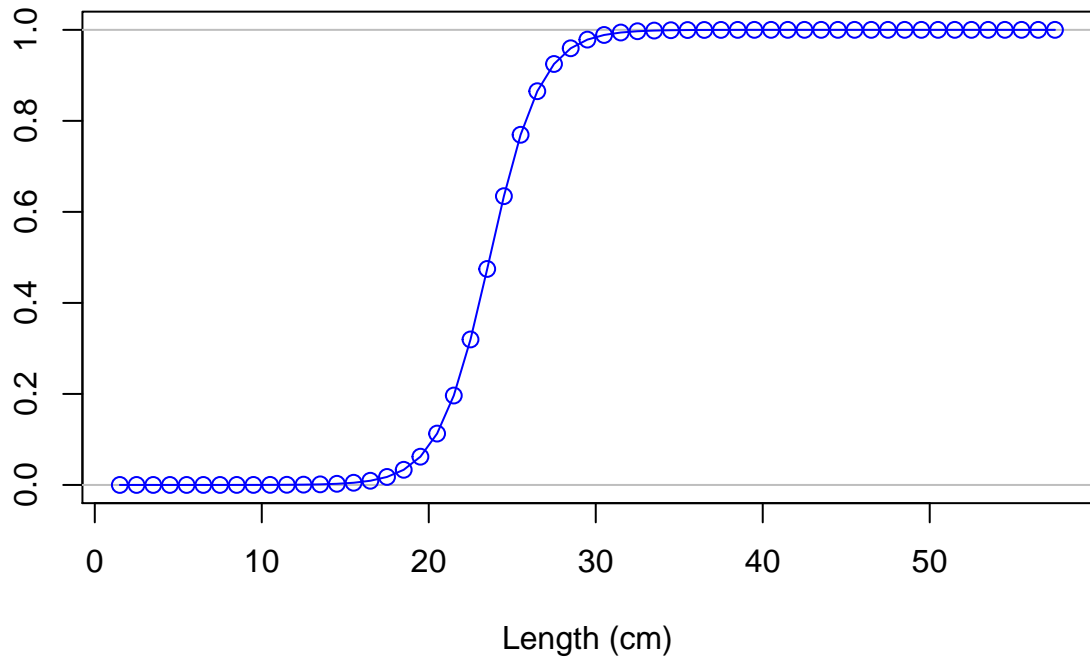


Selectivity

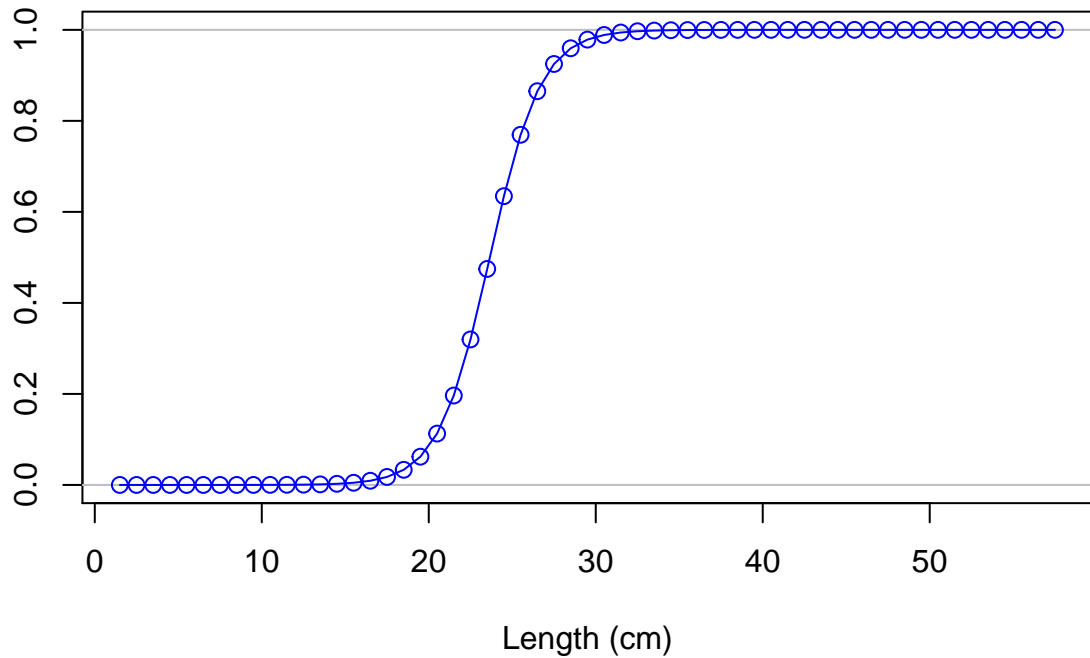


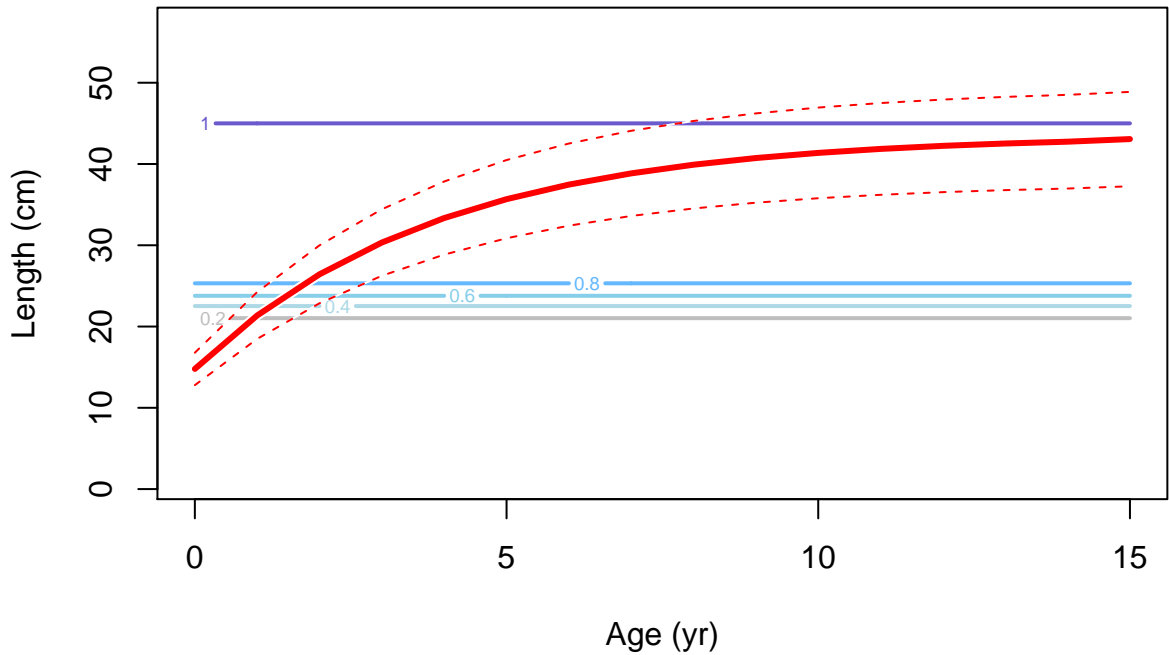
Age (yr)

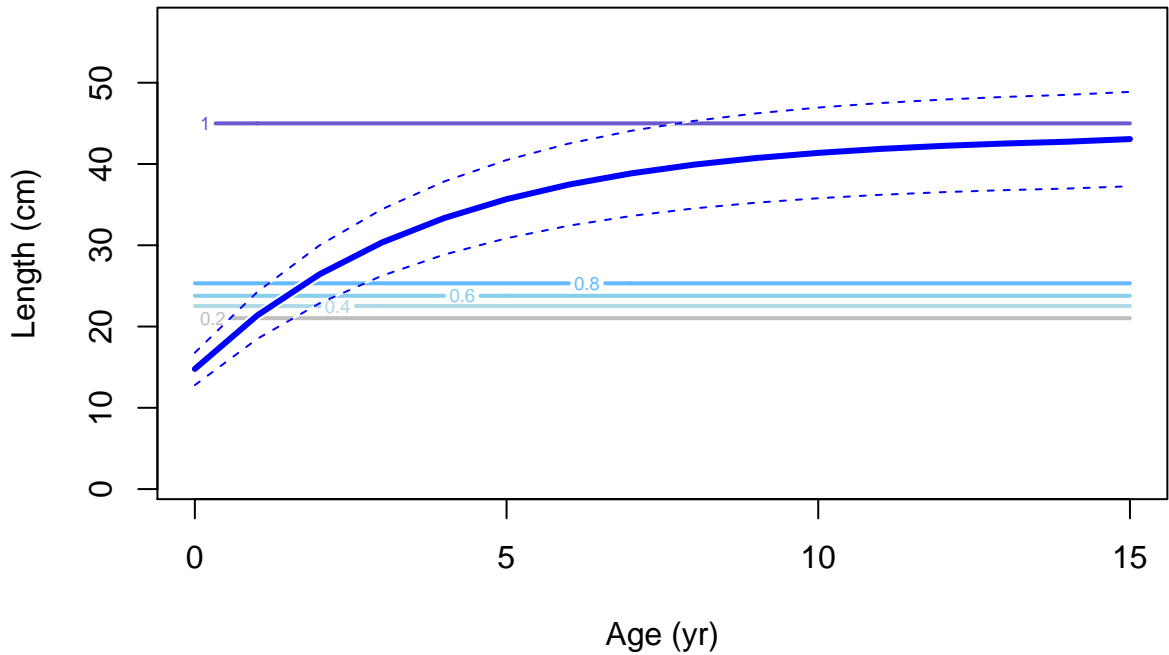
Selectivity



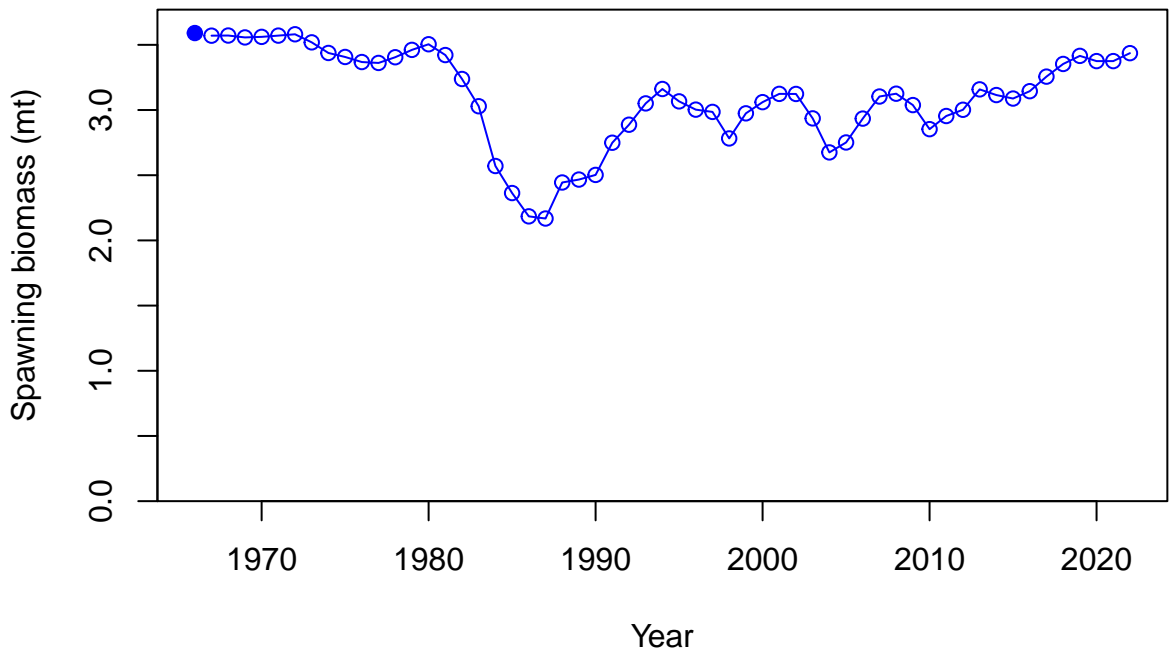
Selectivity



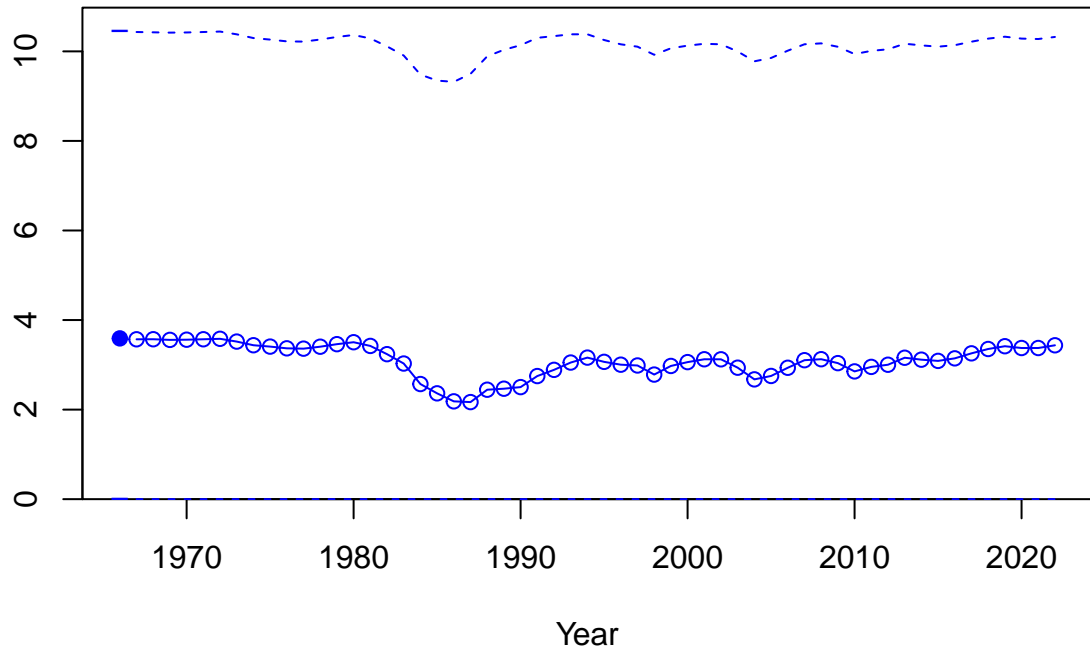




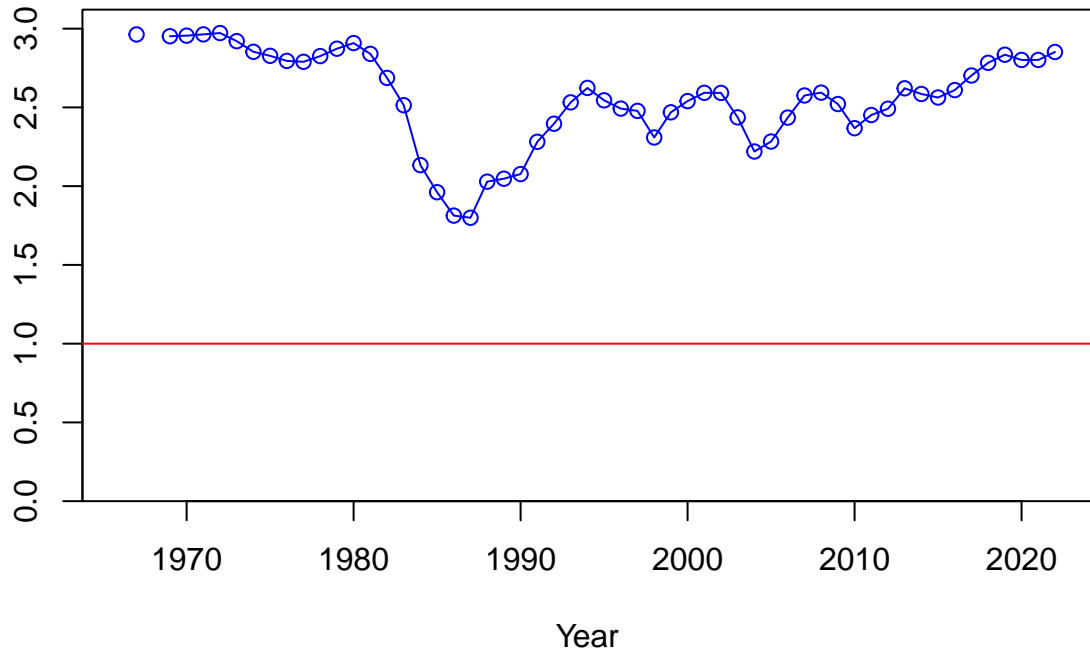




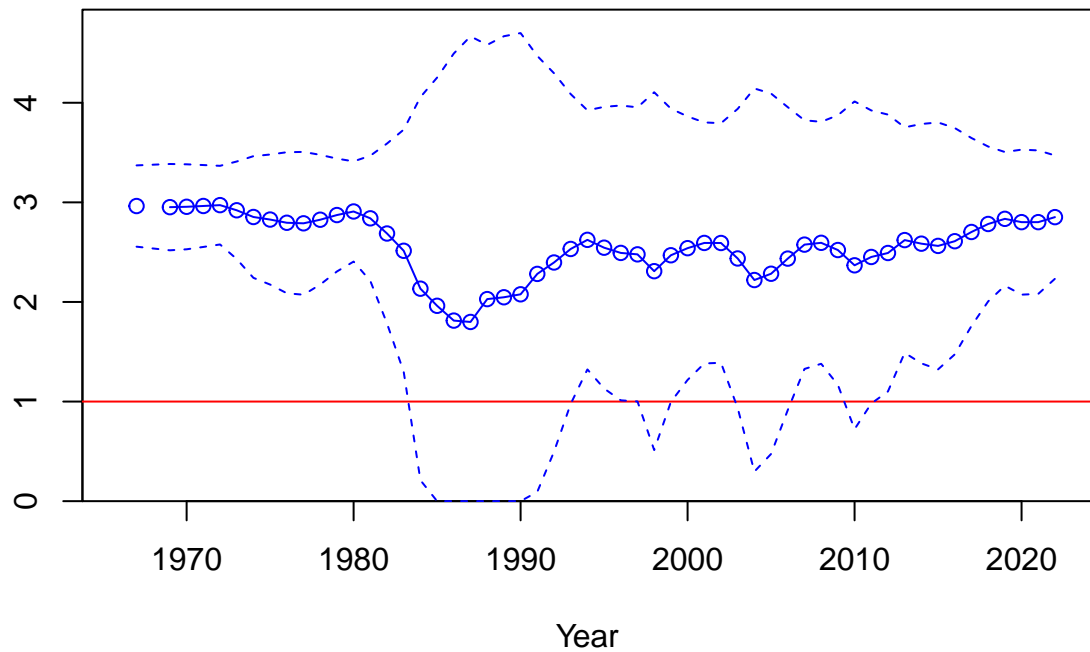
Spawning biomass (mt)

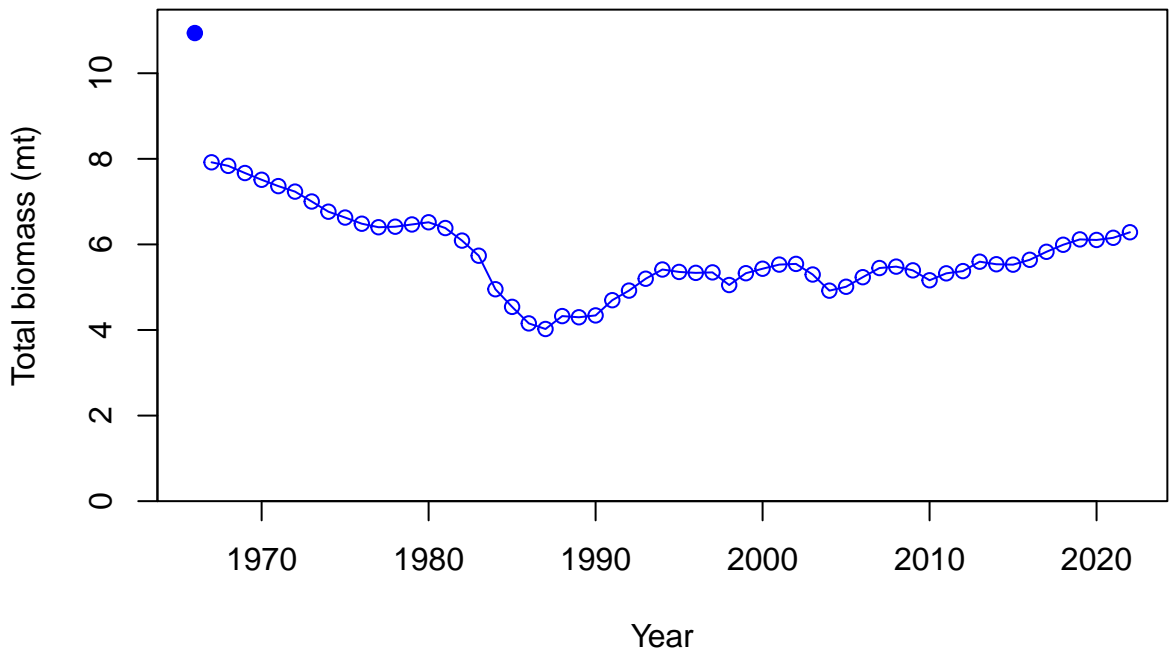


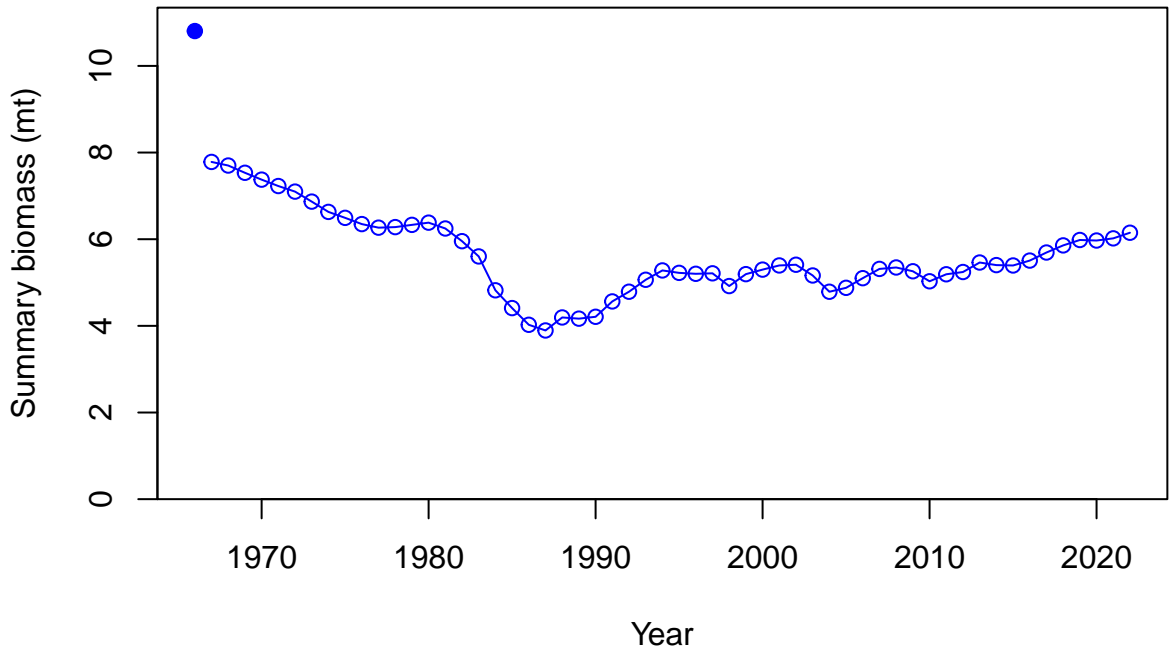
Relative spawning biomass:  $B/B_{MSY}$



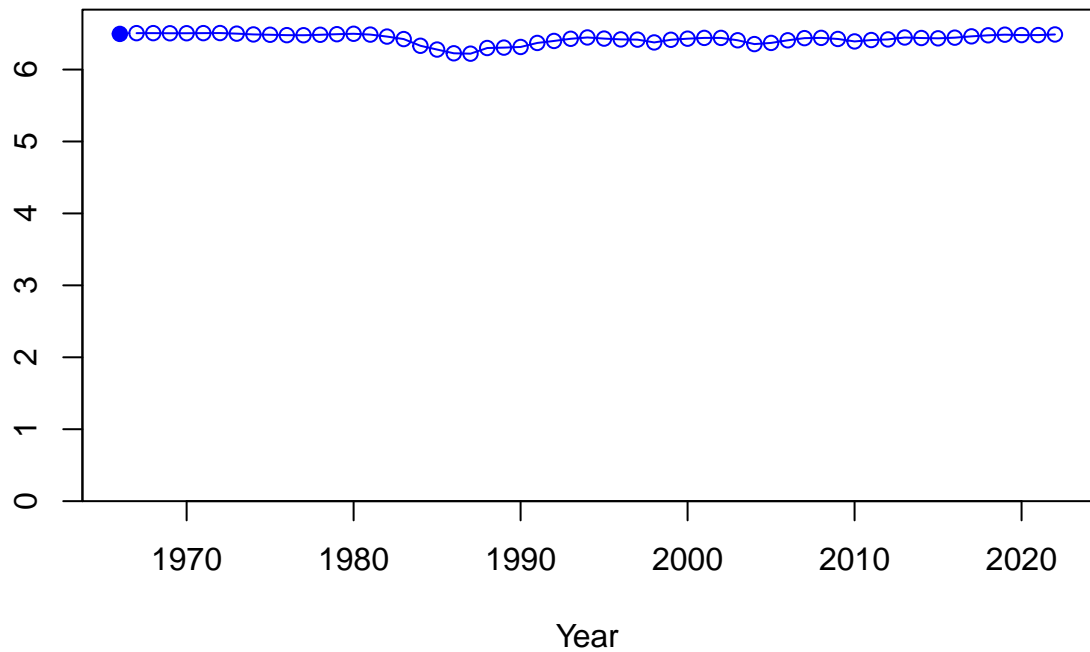
Relative spawning biomass:  $B/B_{MSY}$

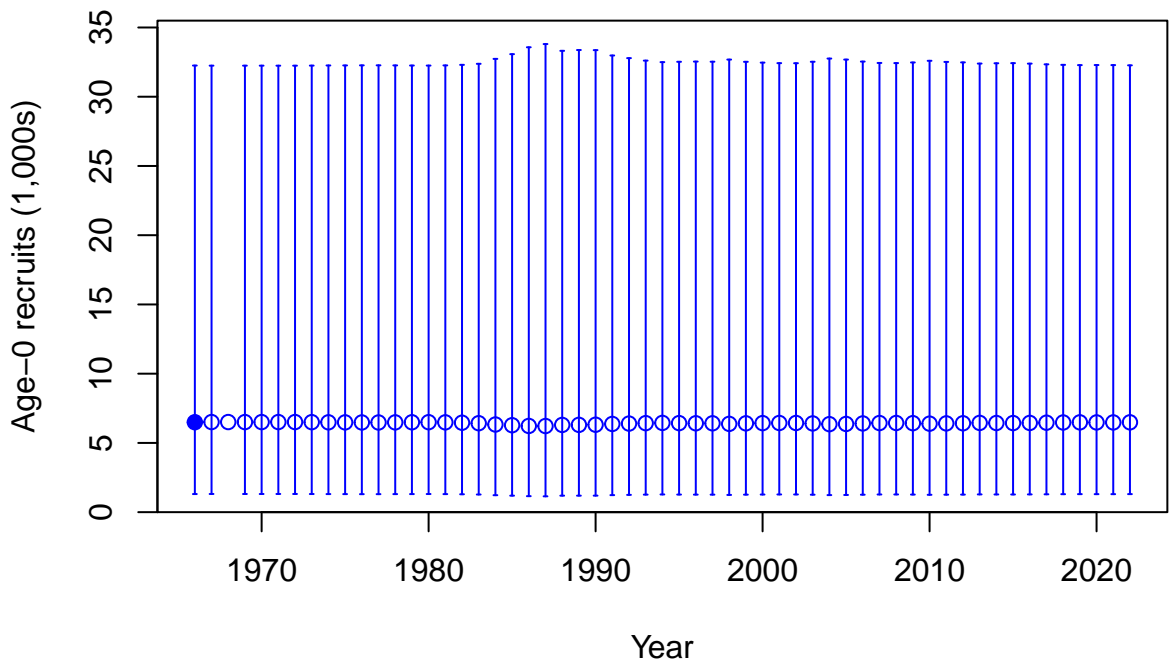






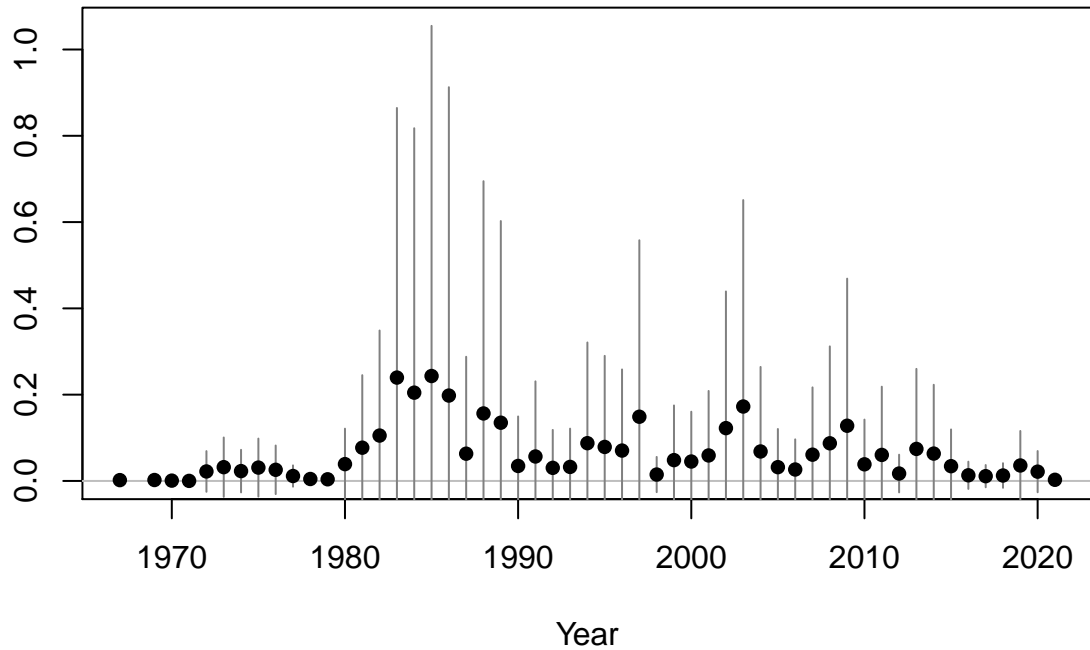
Age-0 recruits (1,000s)

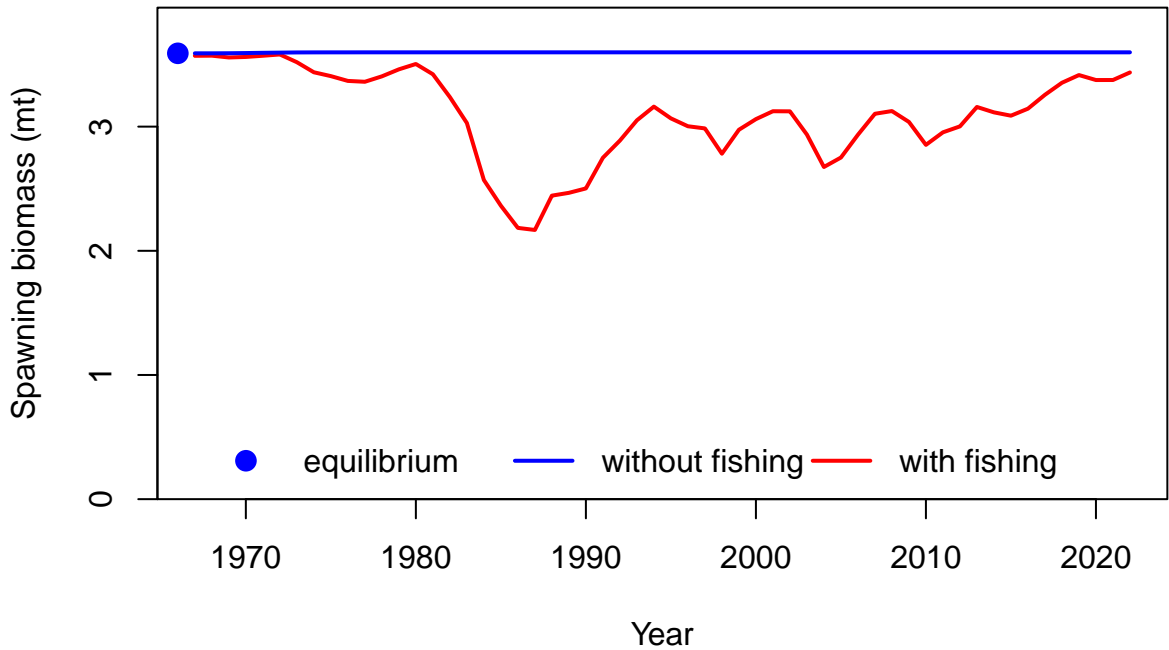


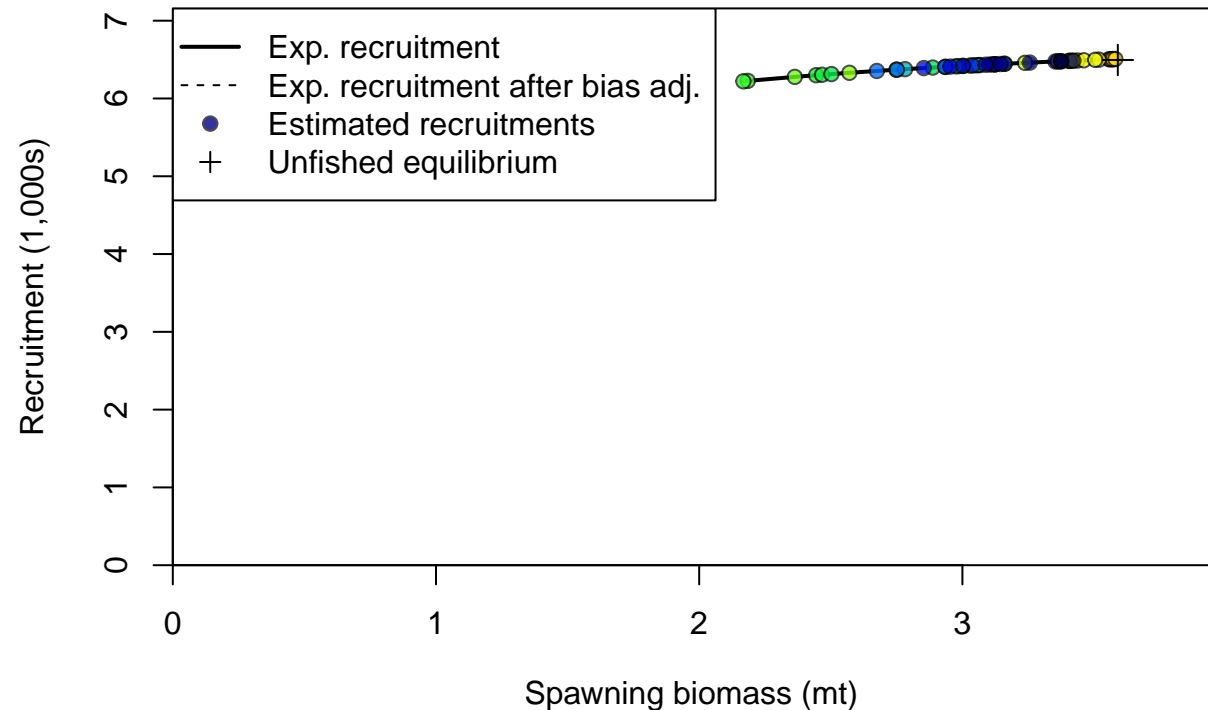


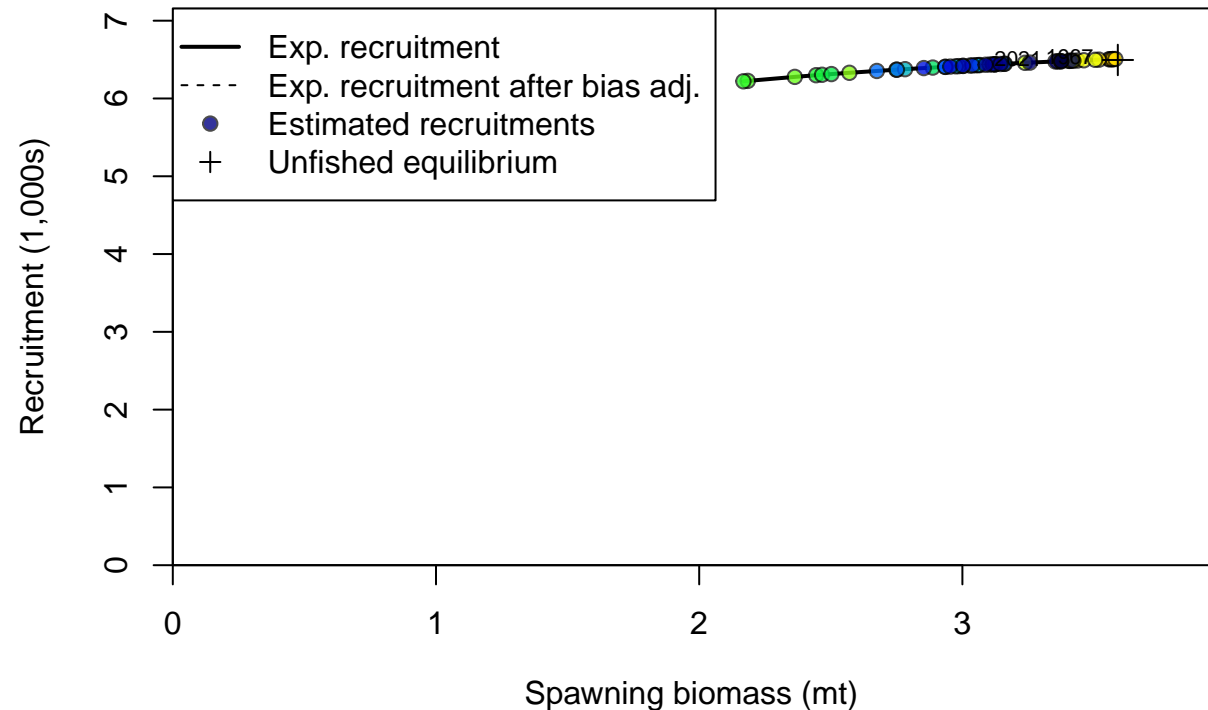


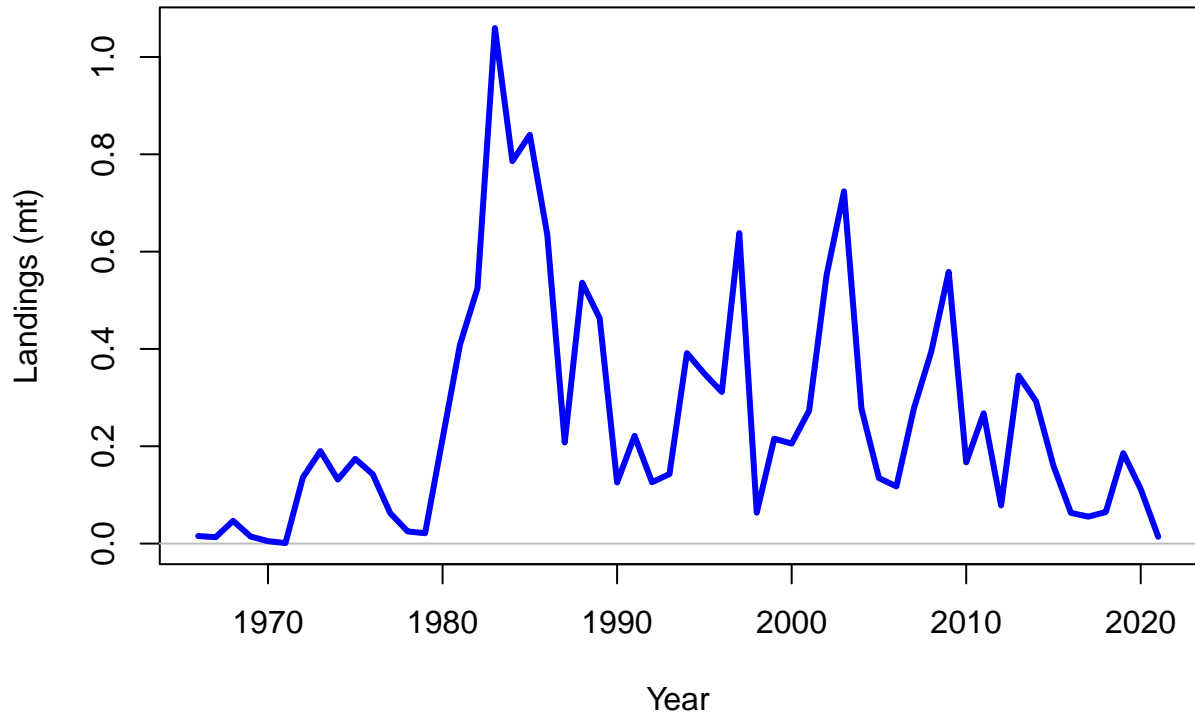
Summary Fishing Mortality

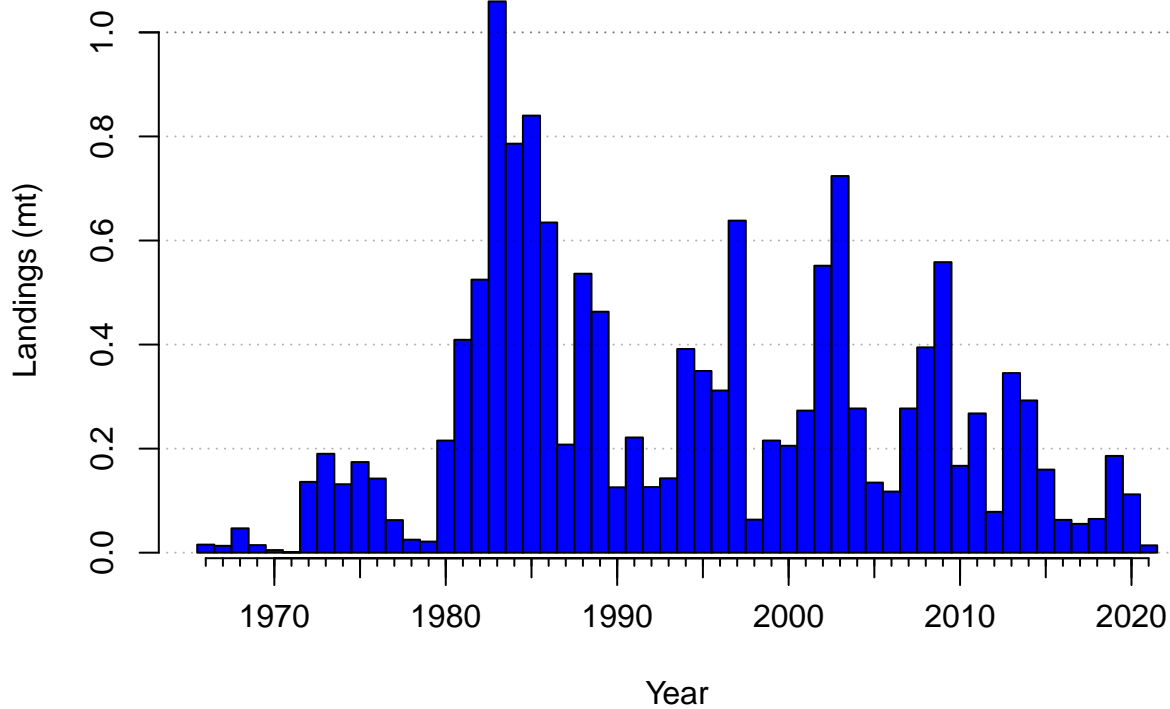


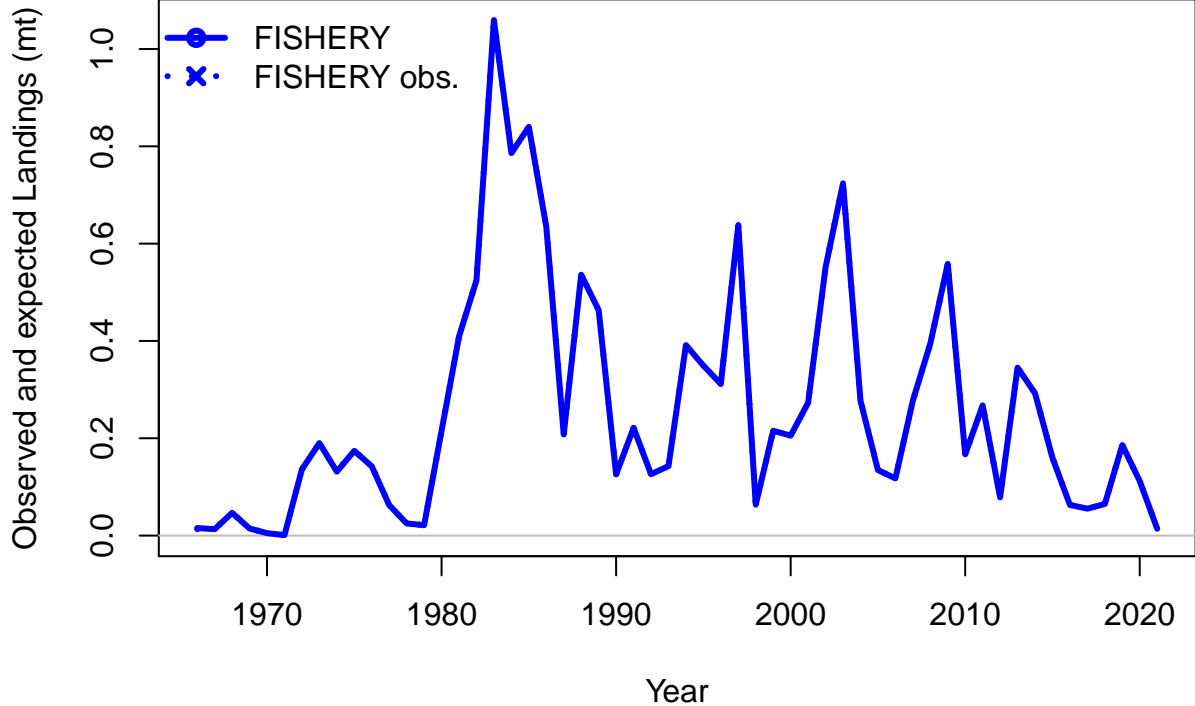


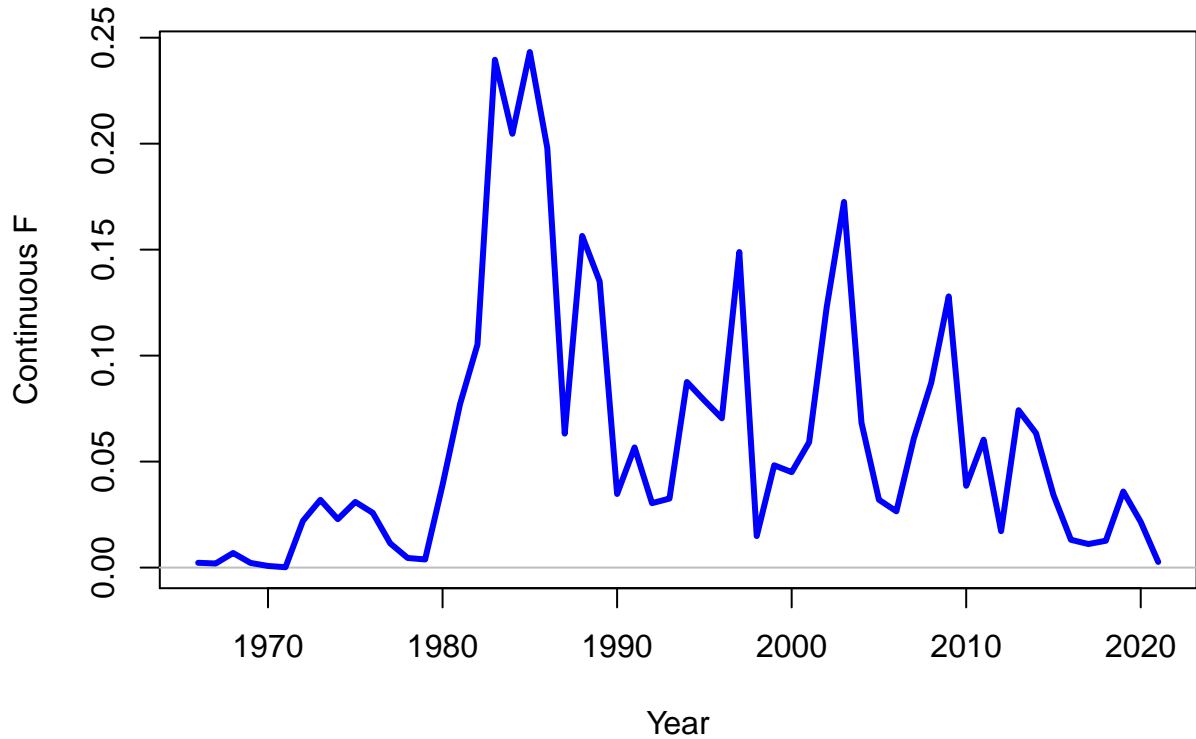






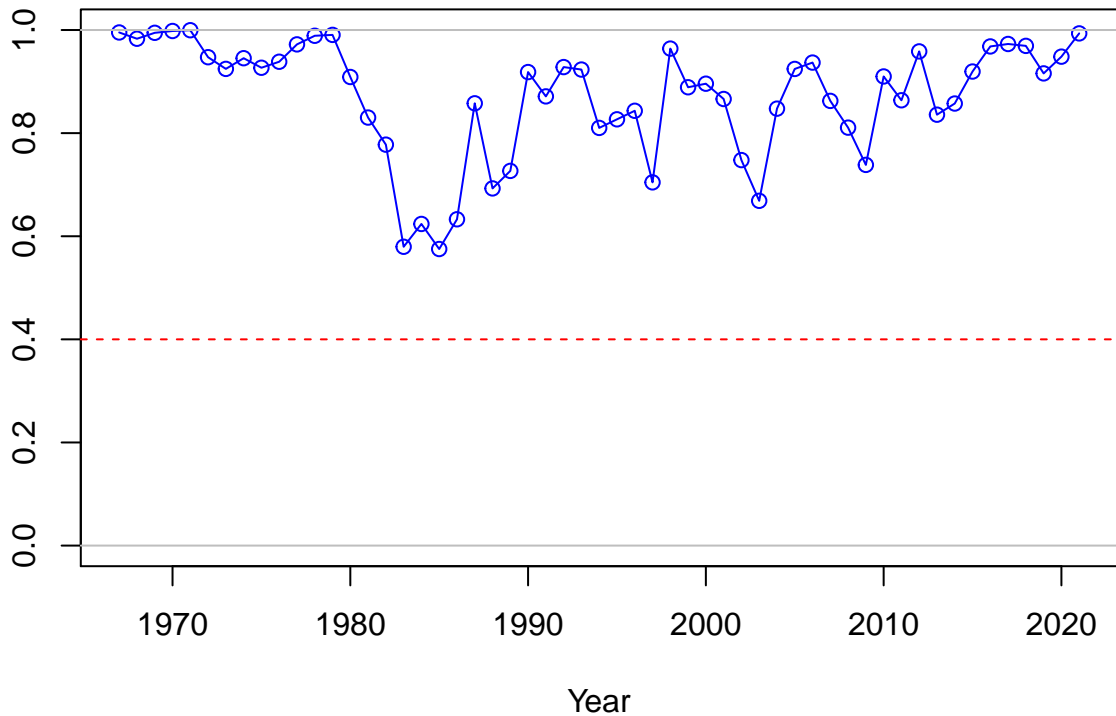




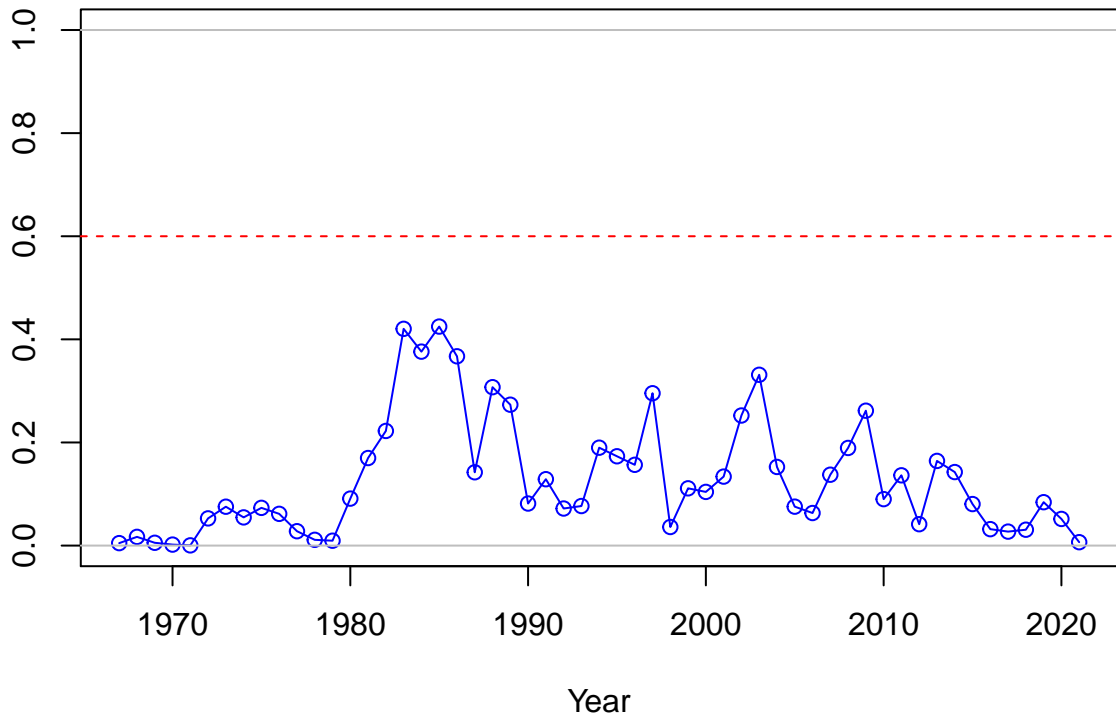




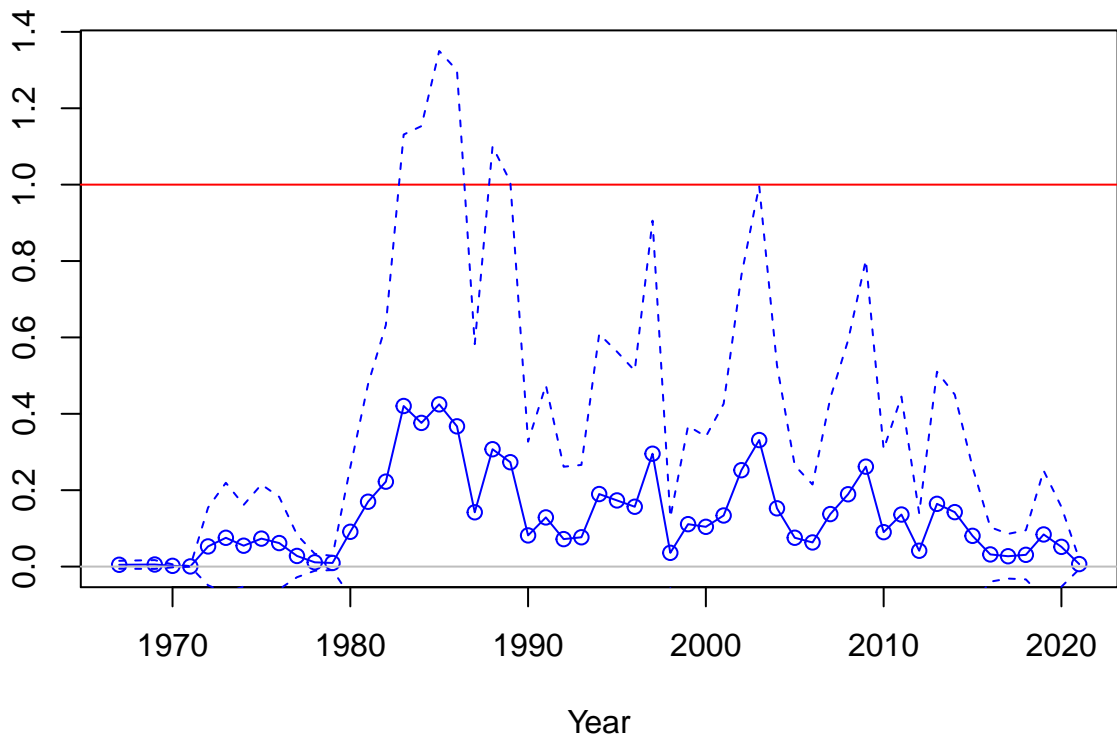
SPR



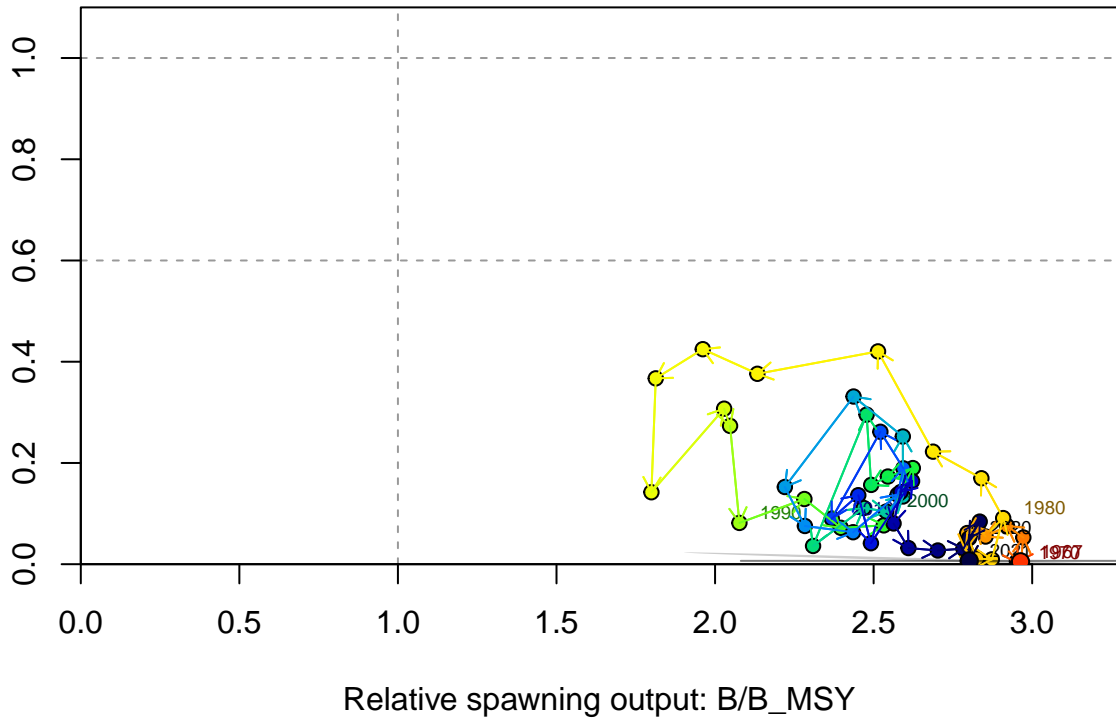
1-SPR



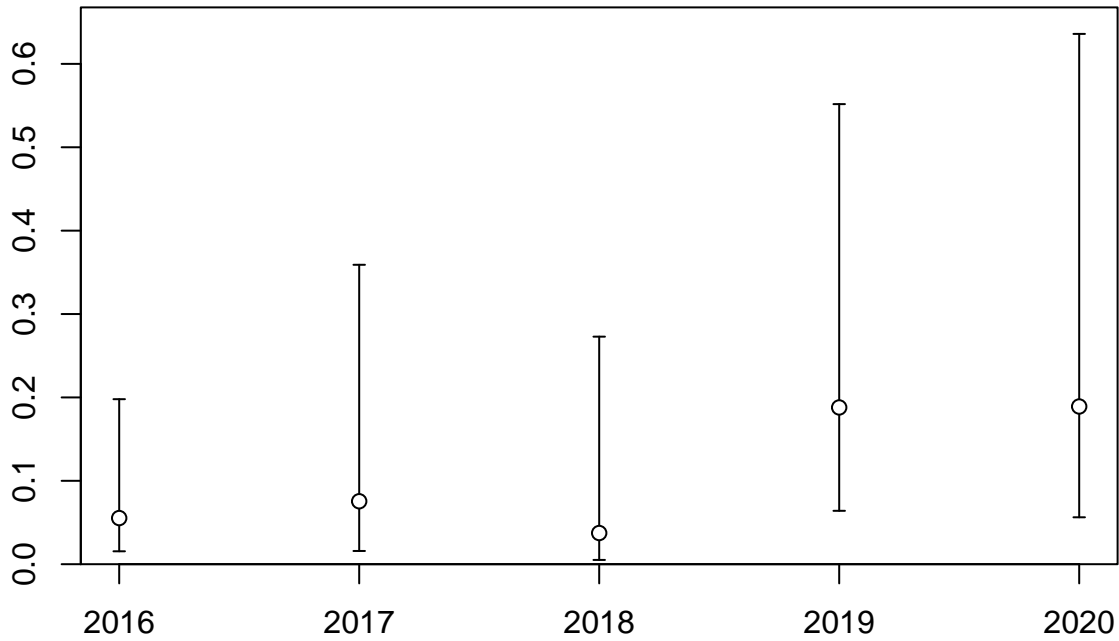
Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

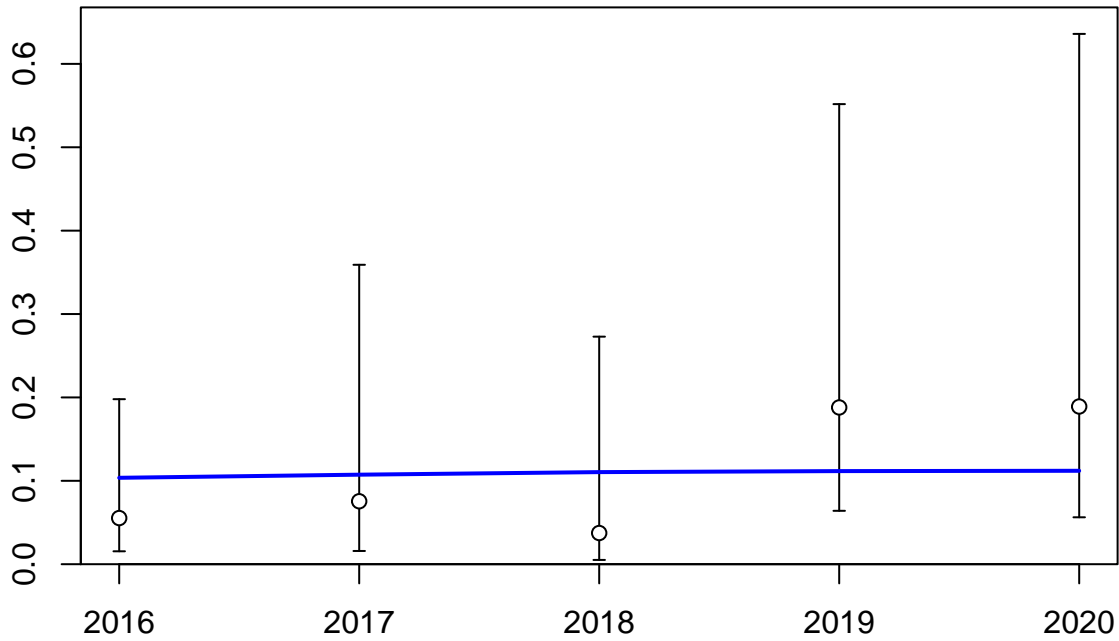


Index

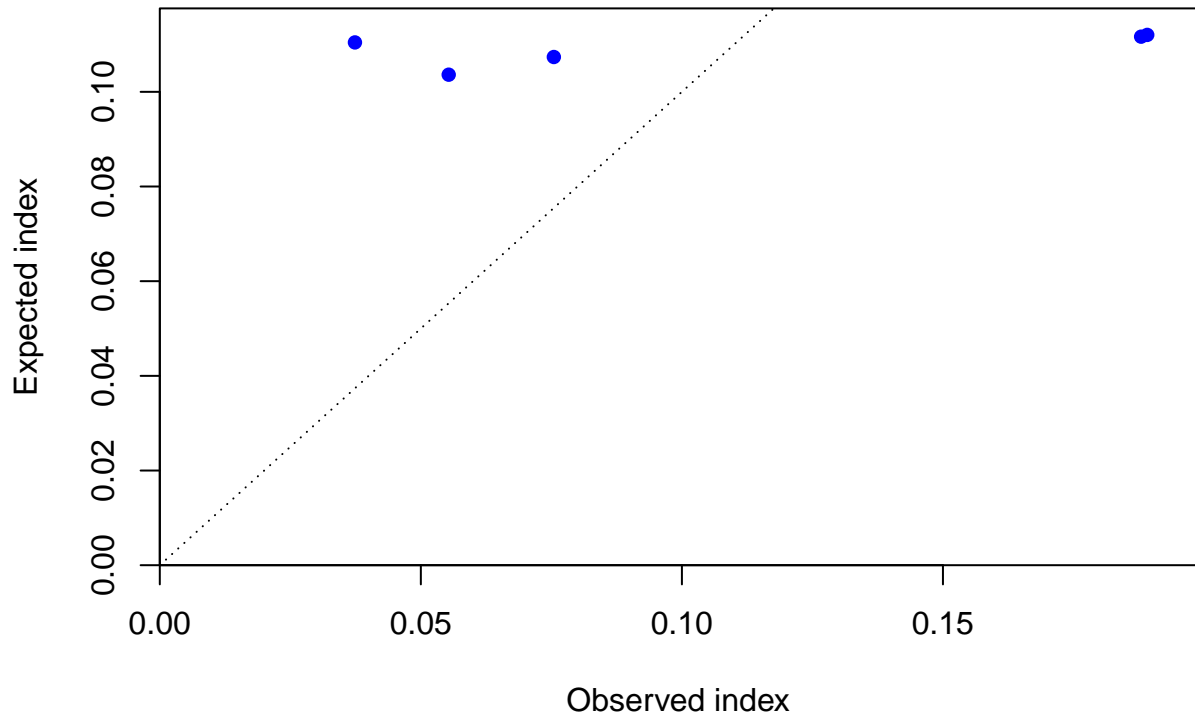


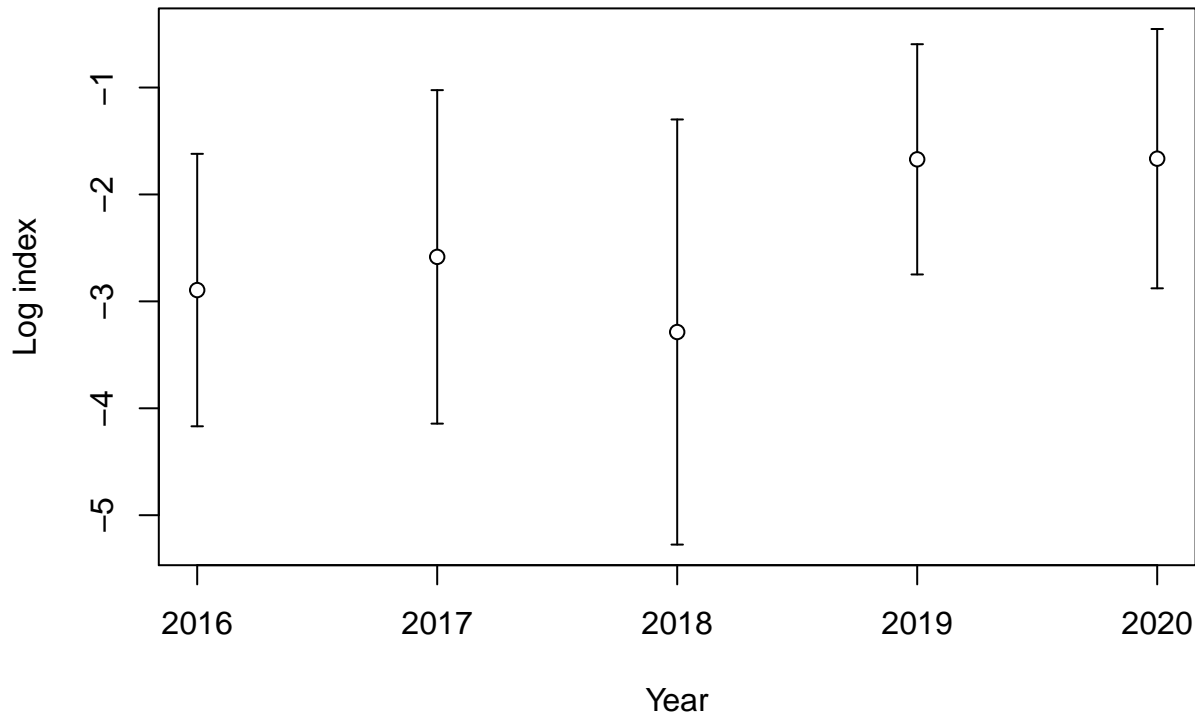
Year

Index

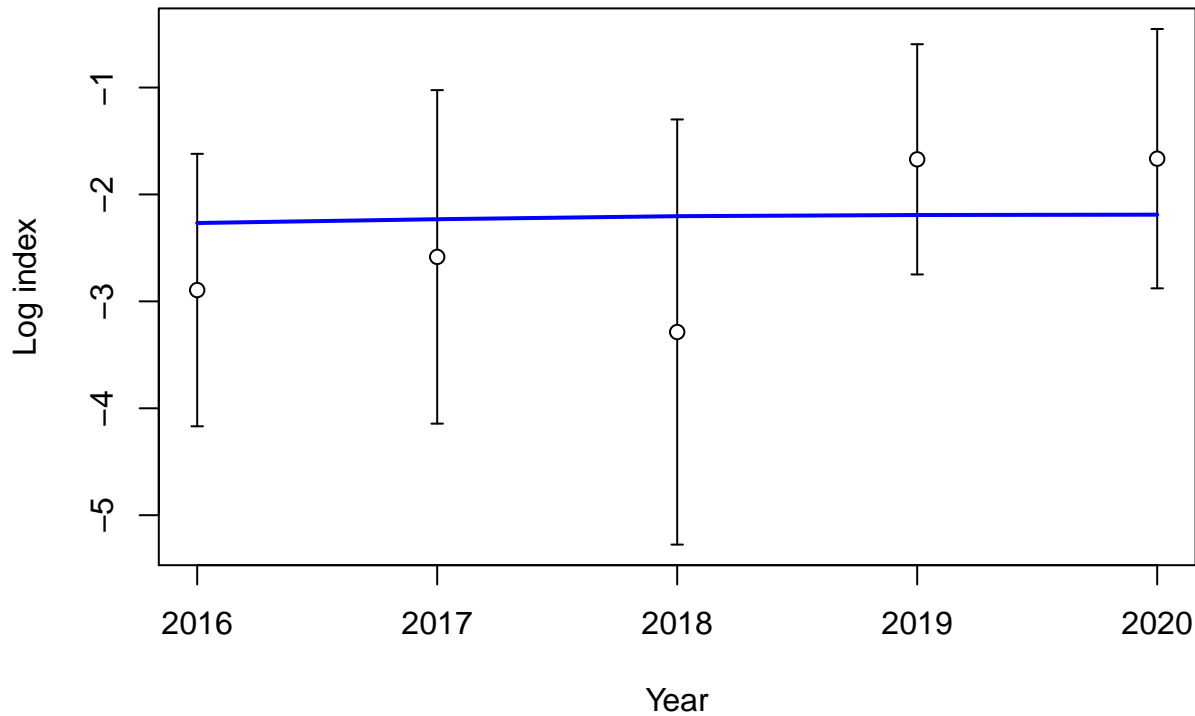


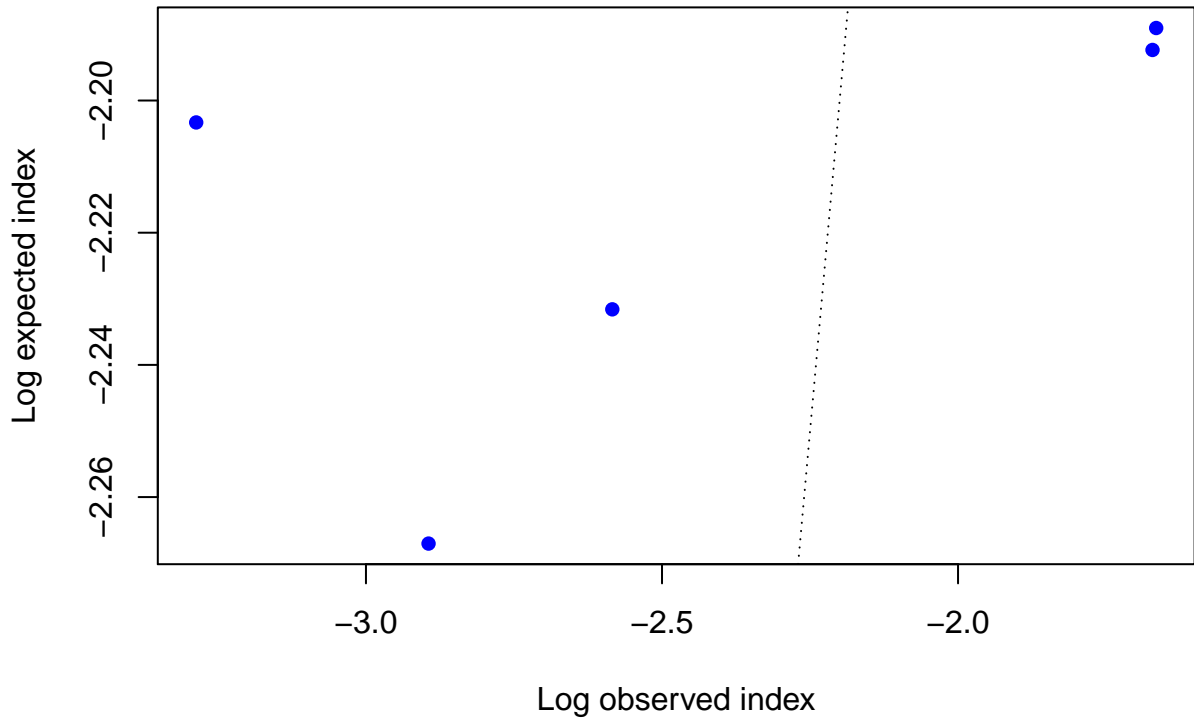
Year

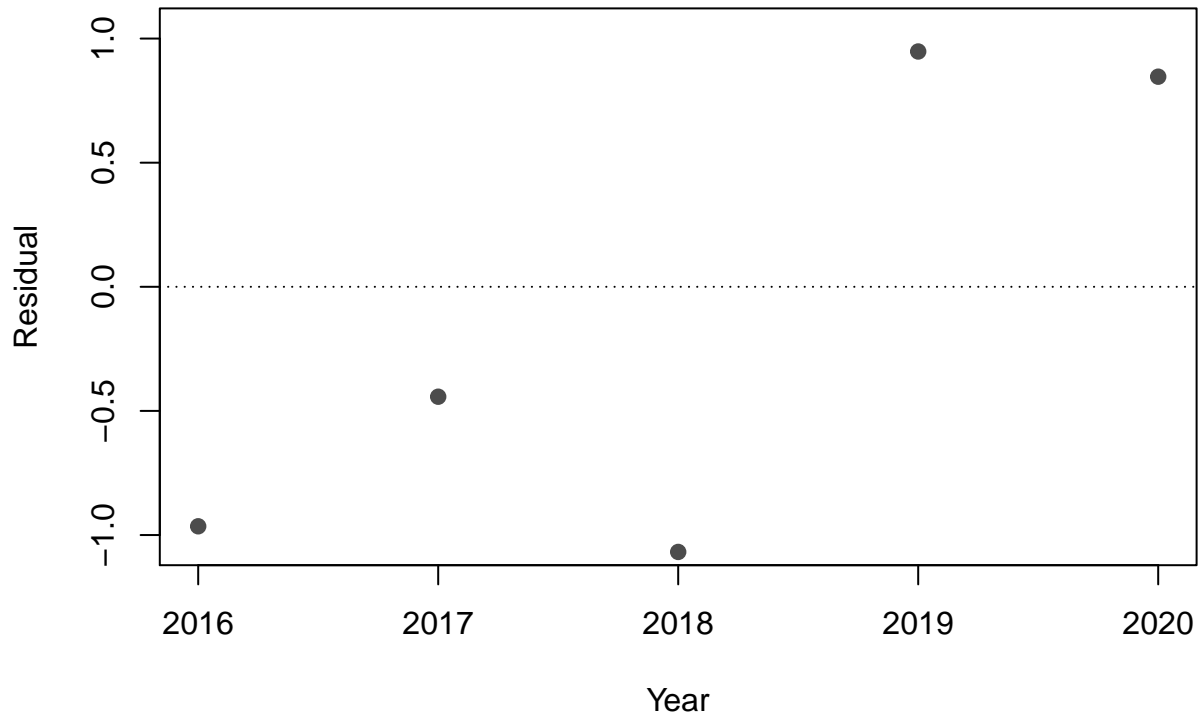


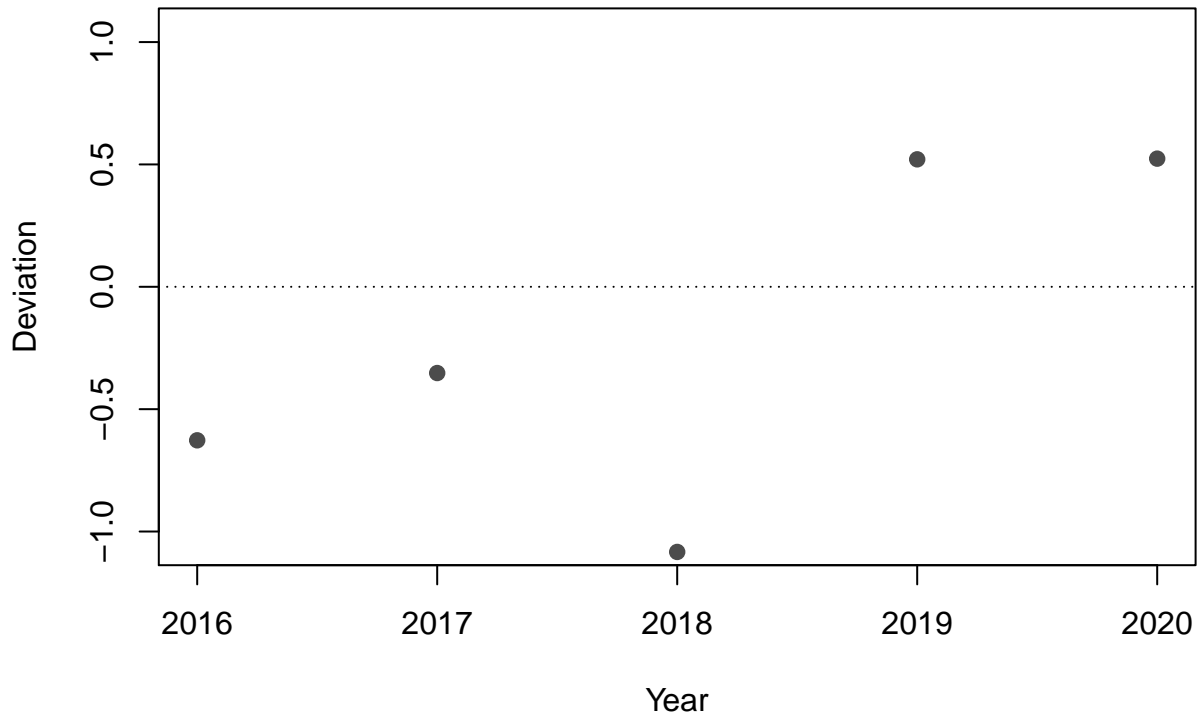


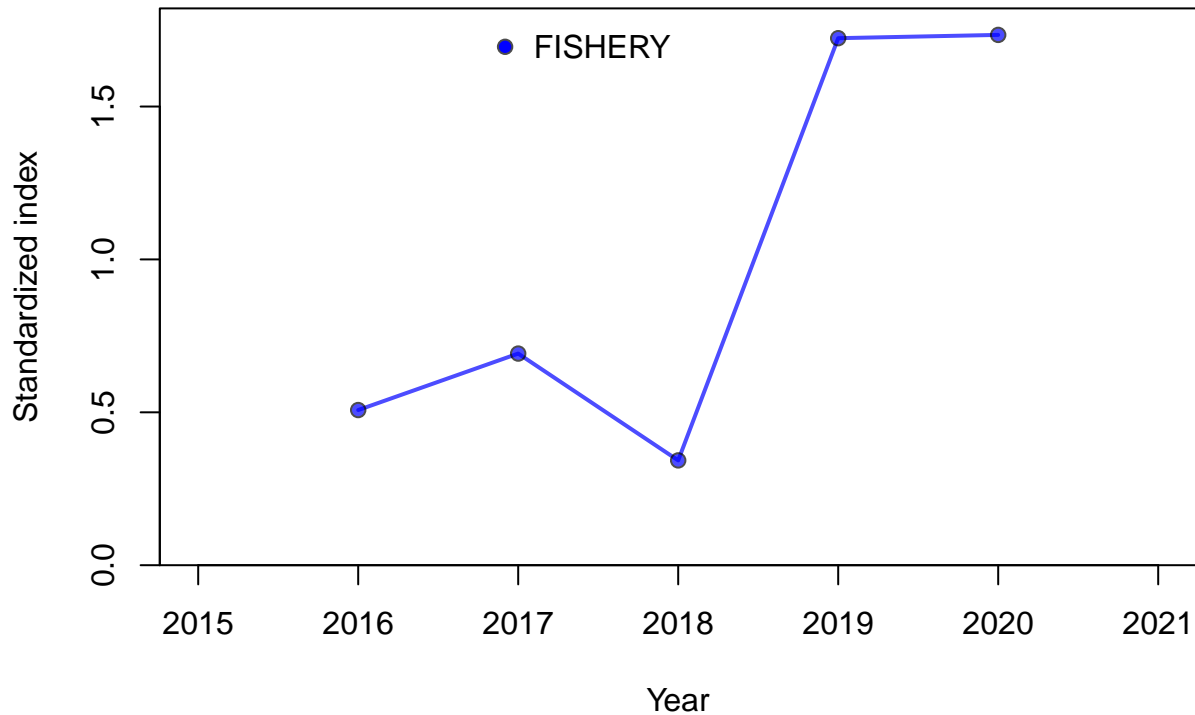


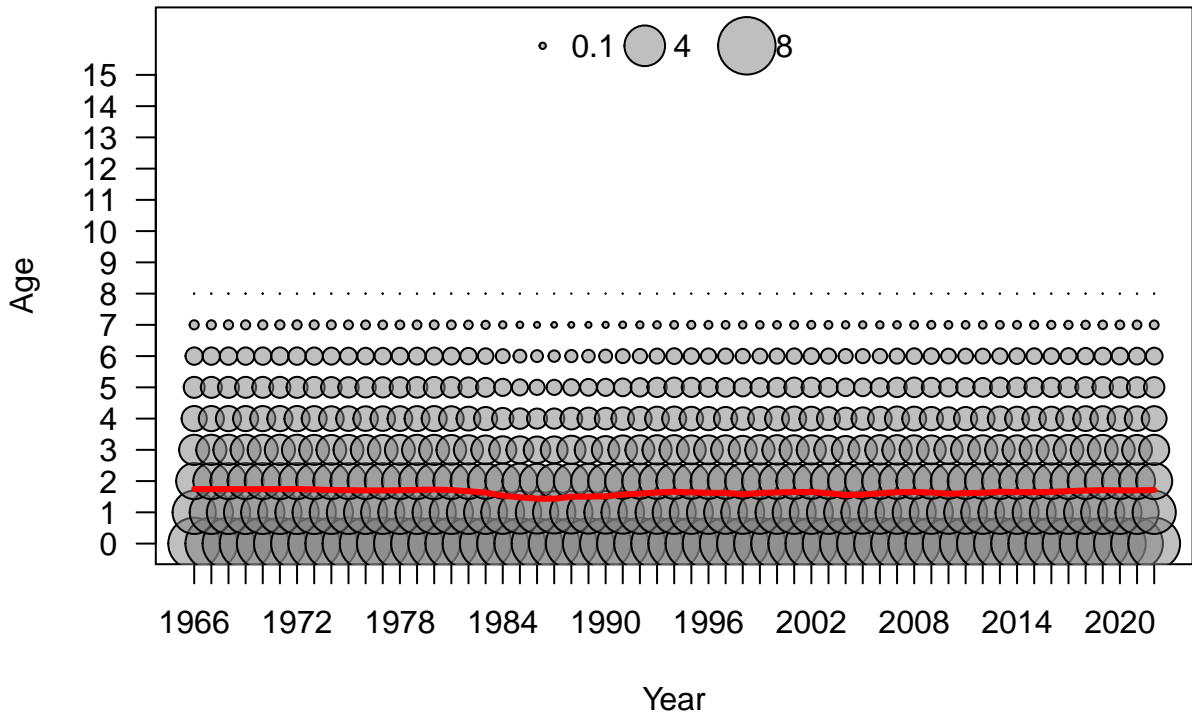


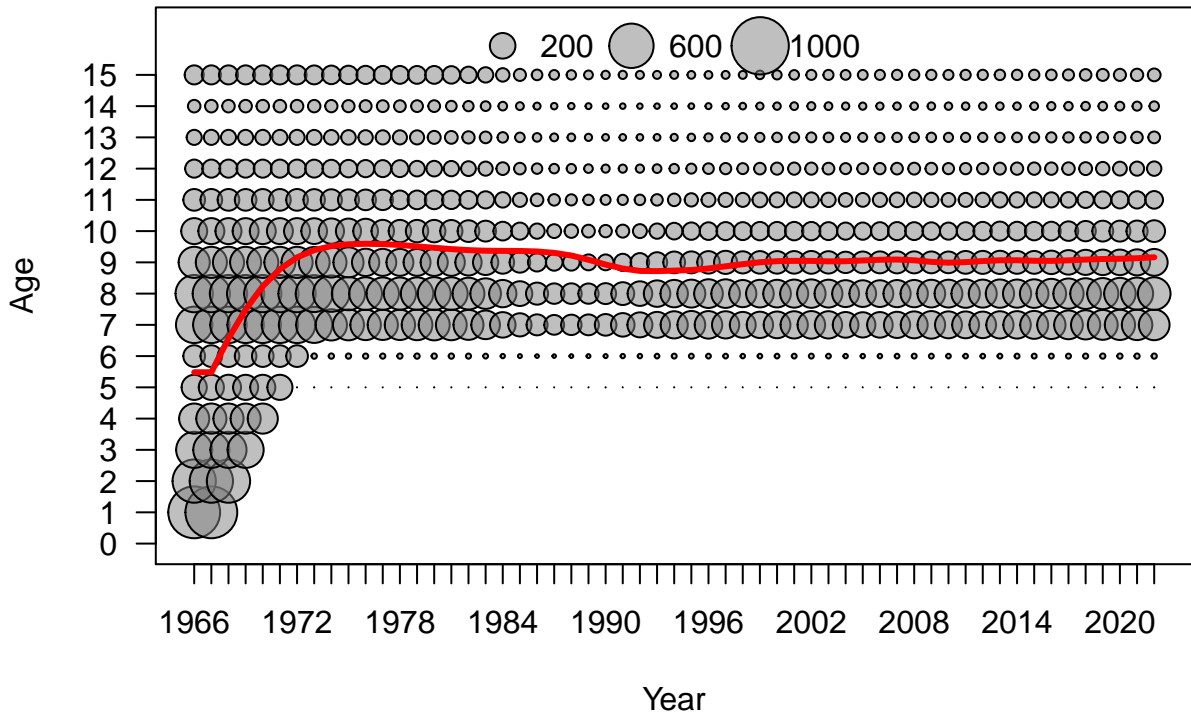


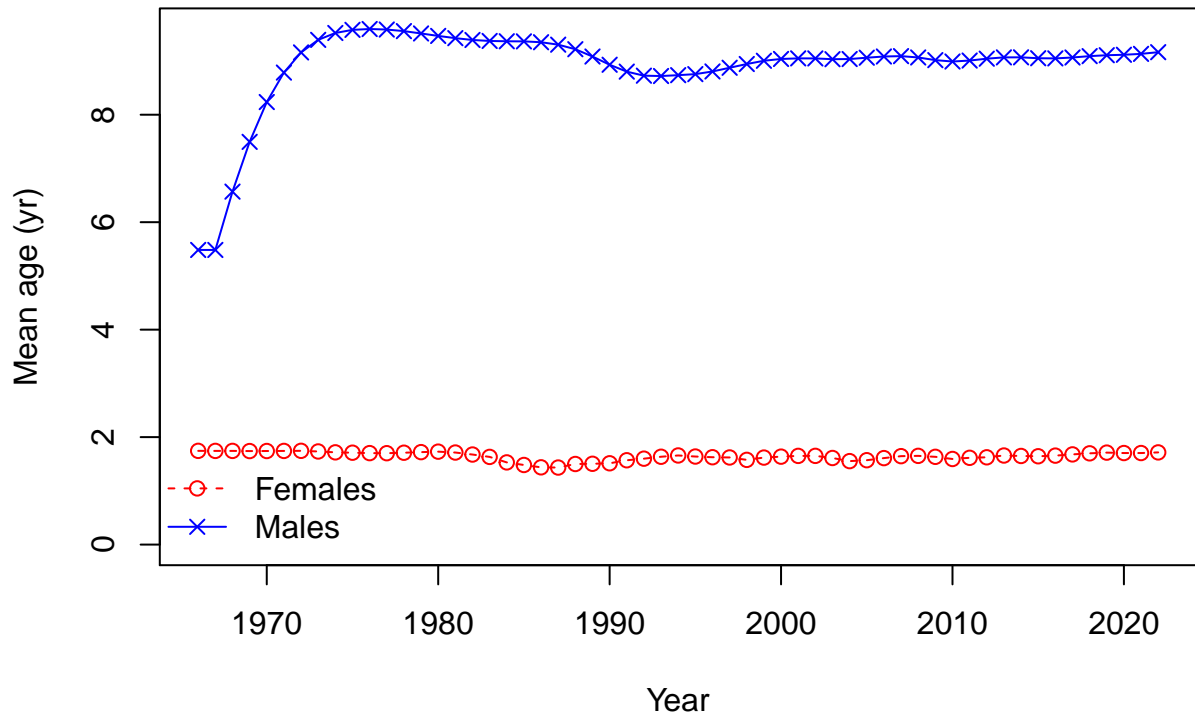




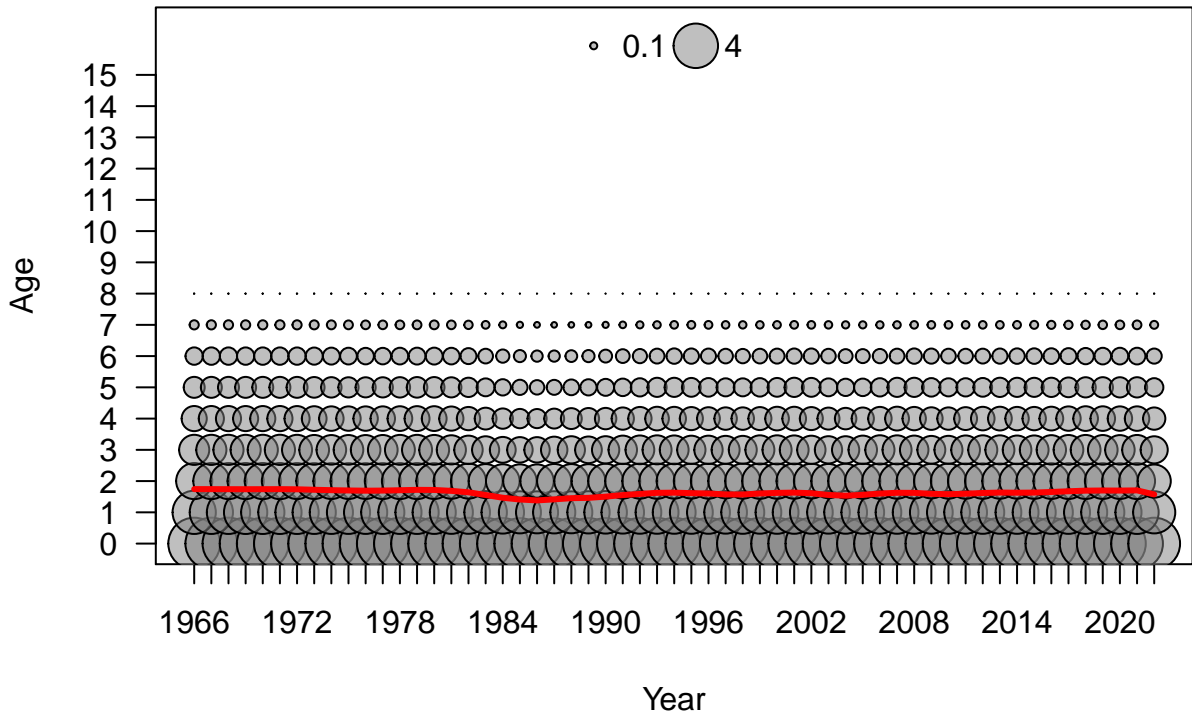


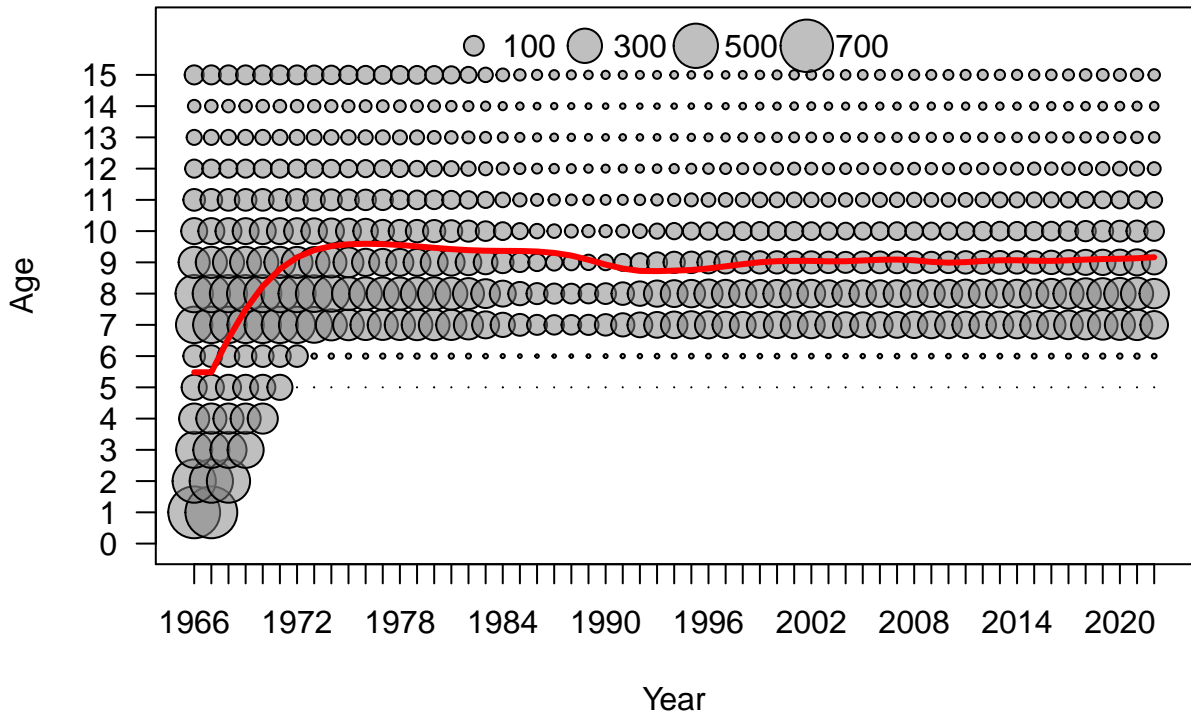


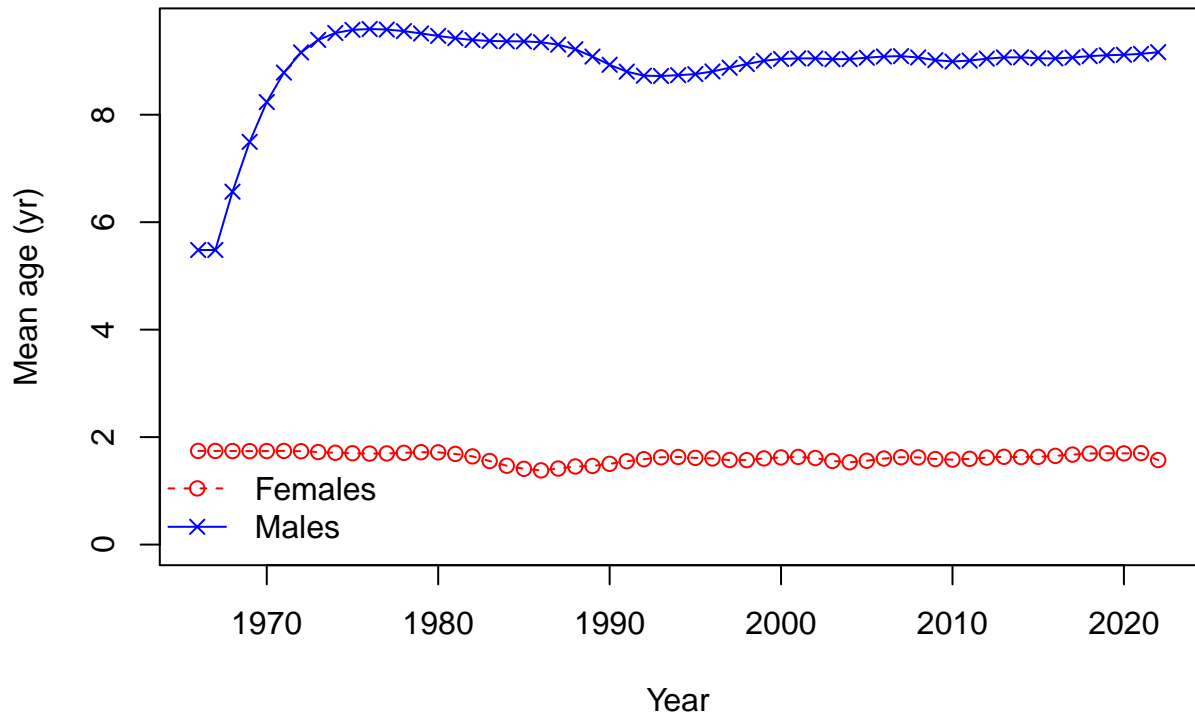




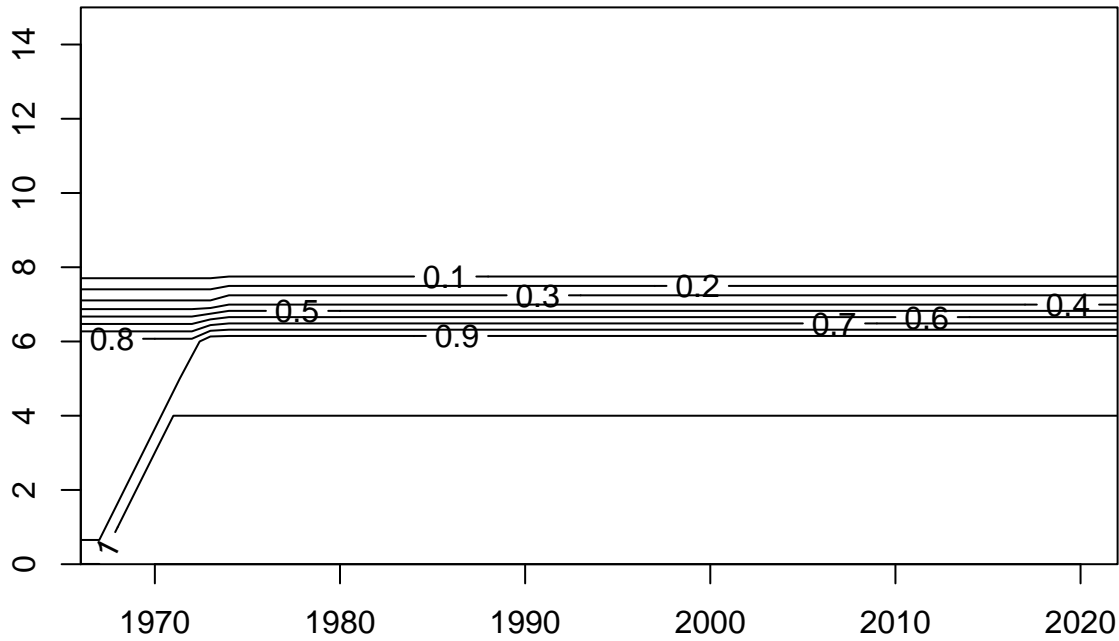




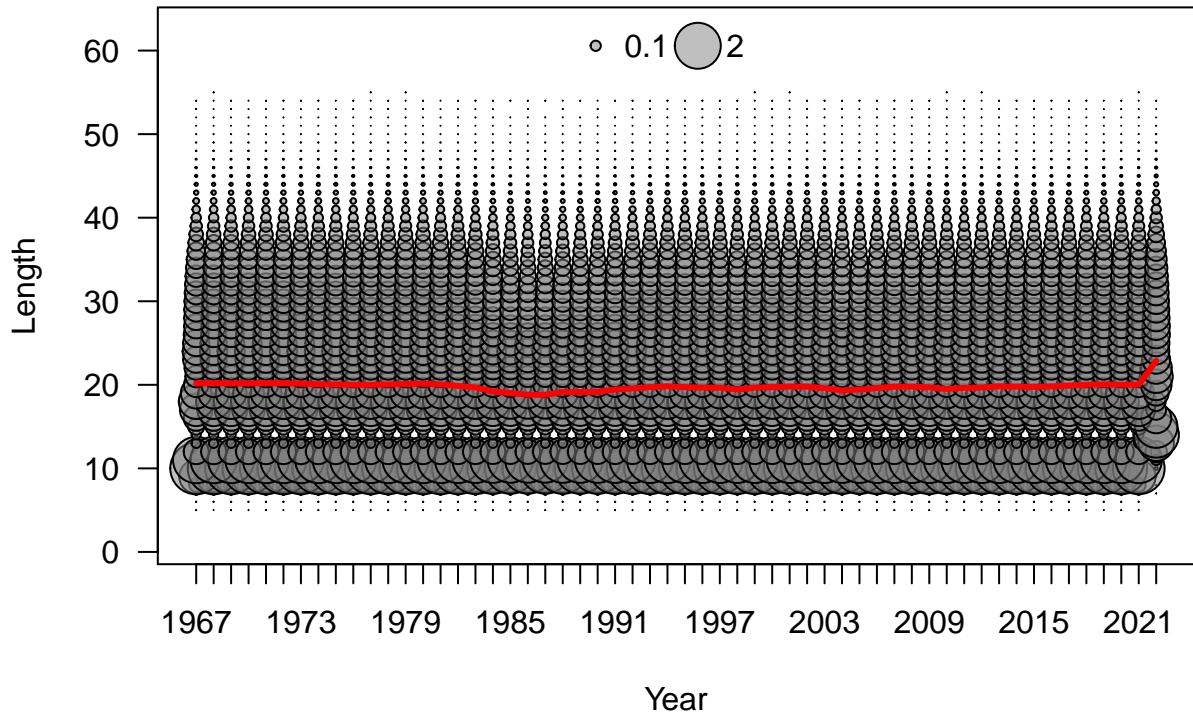


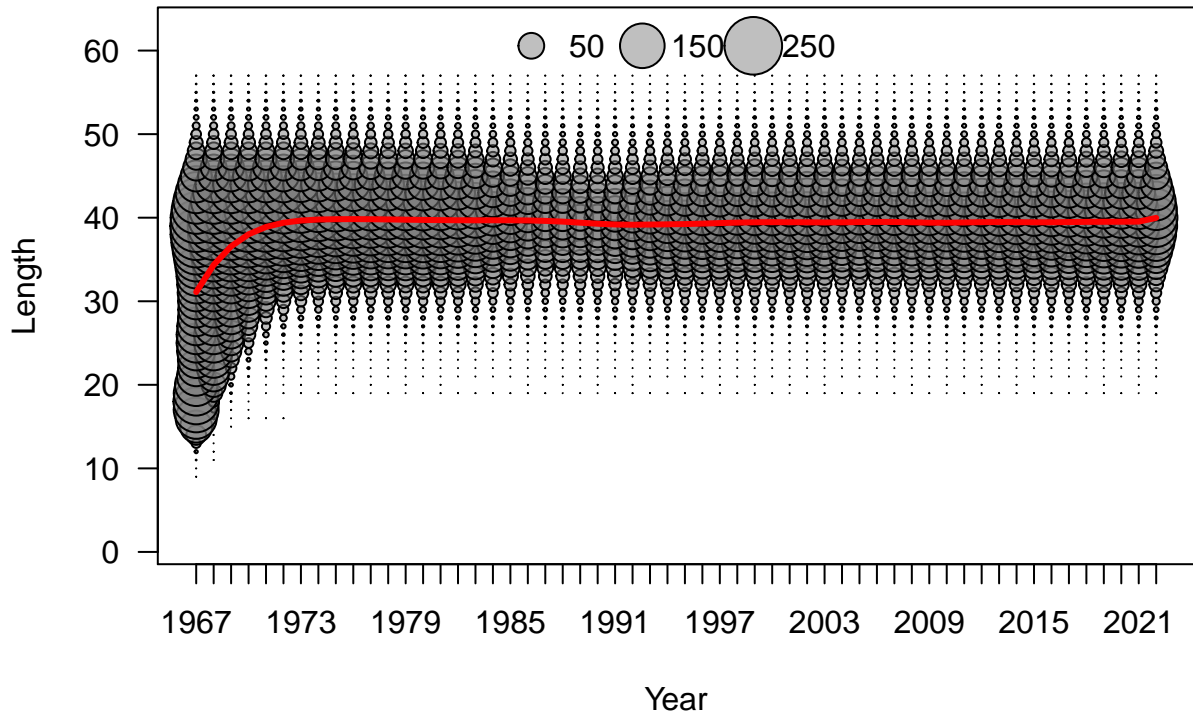


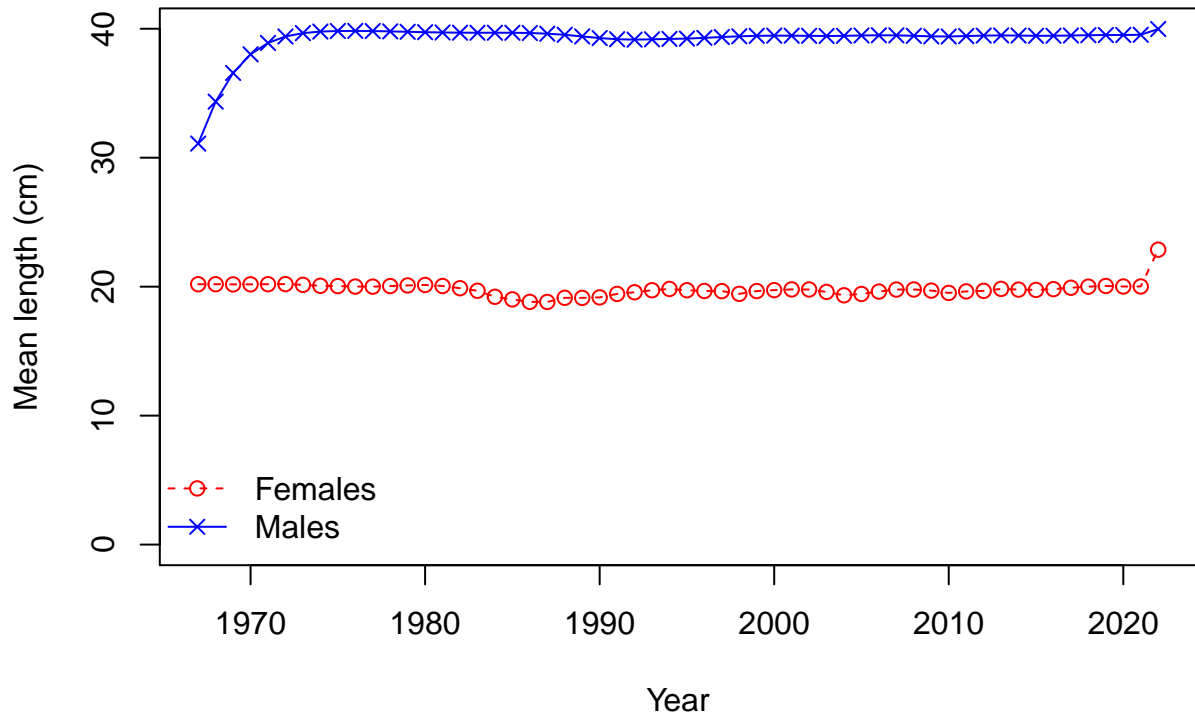
Age

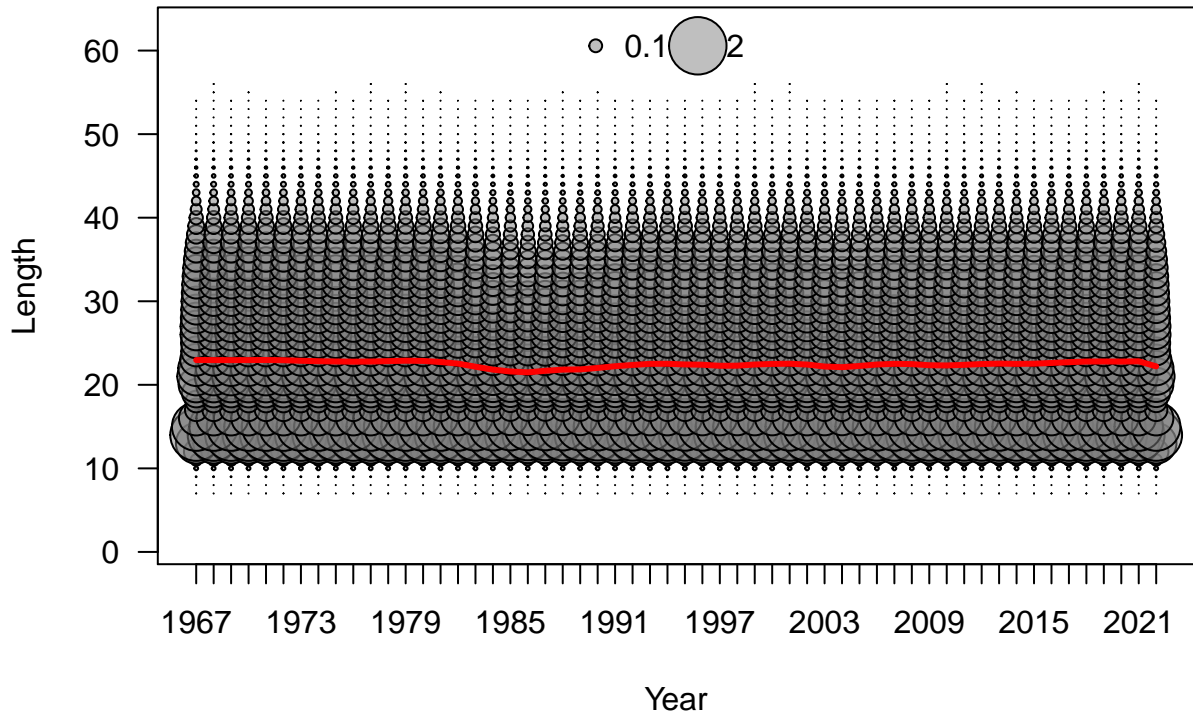


Year

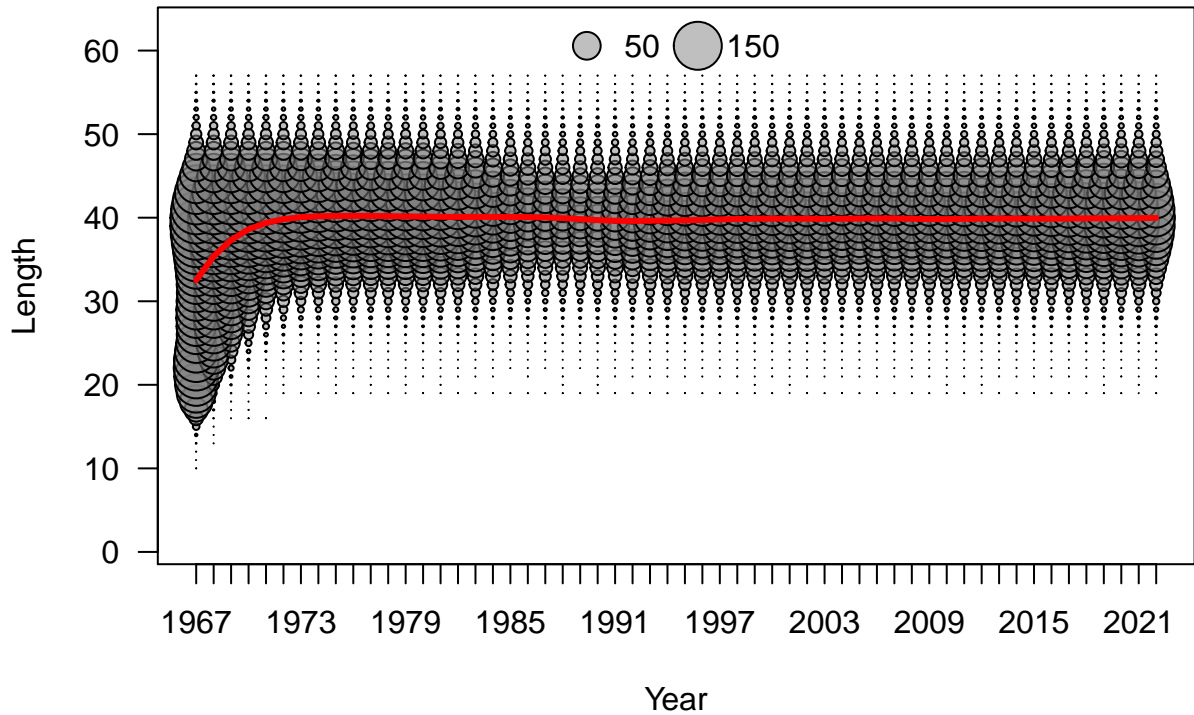


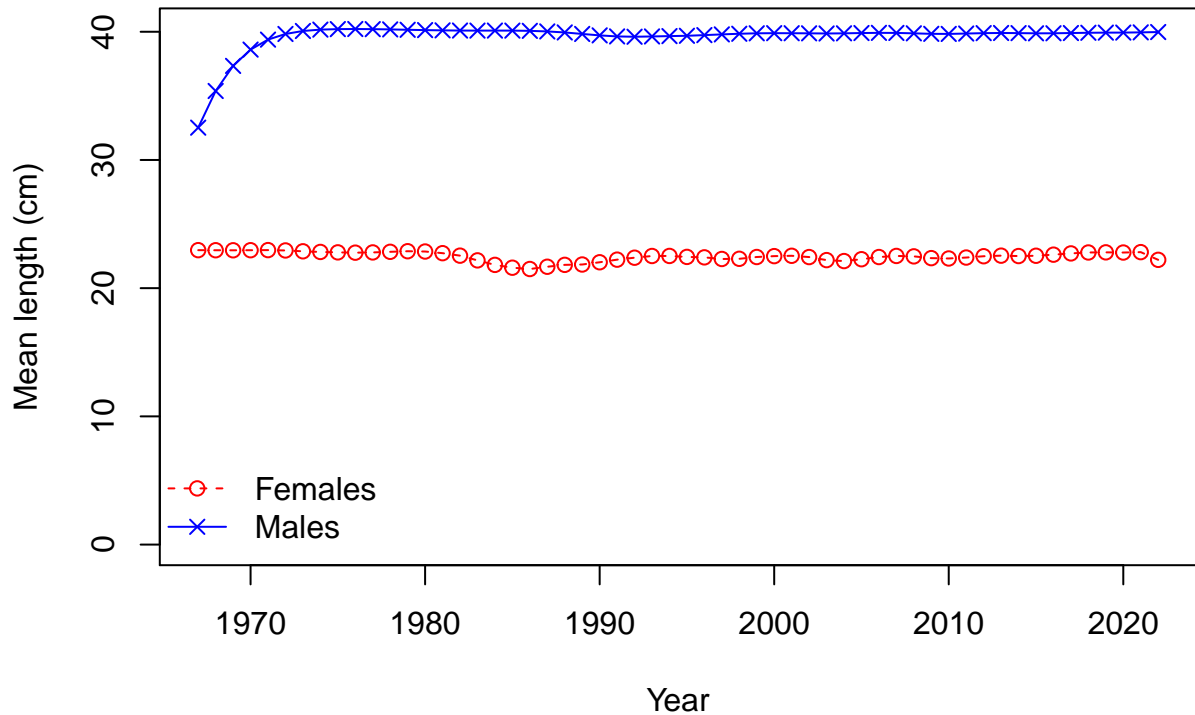












Length

50  
40  
30  
20  
10

1970

1980

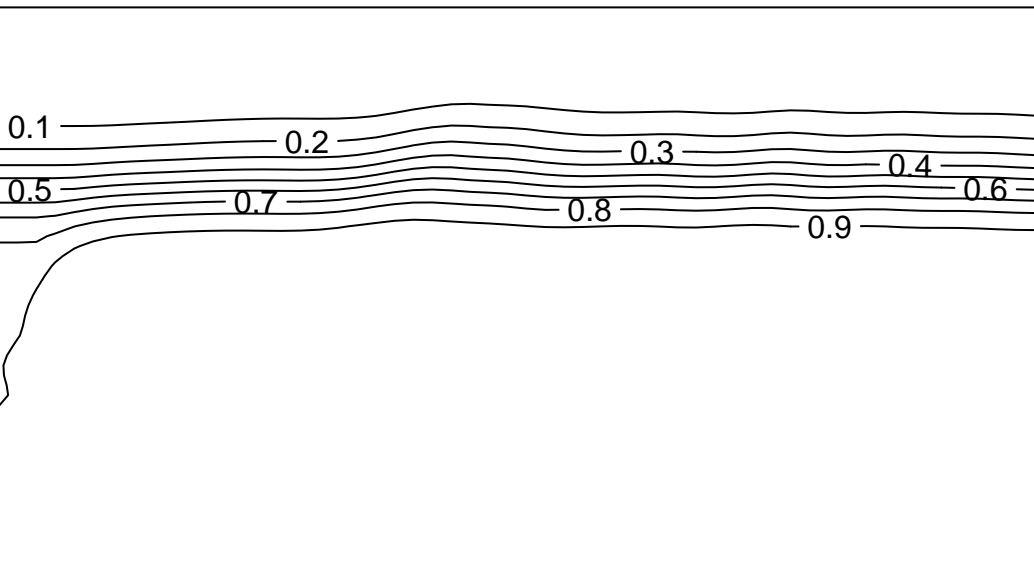
1990

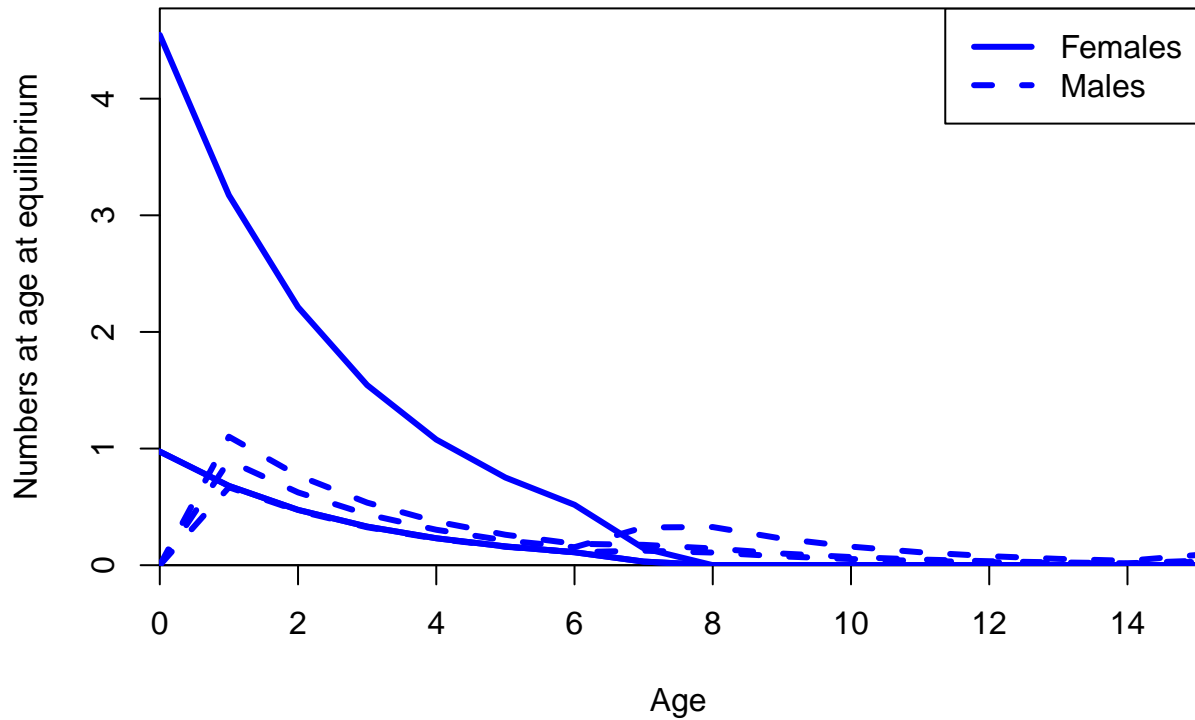
2000

2010

2020

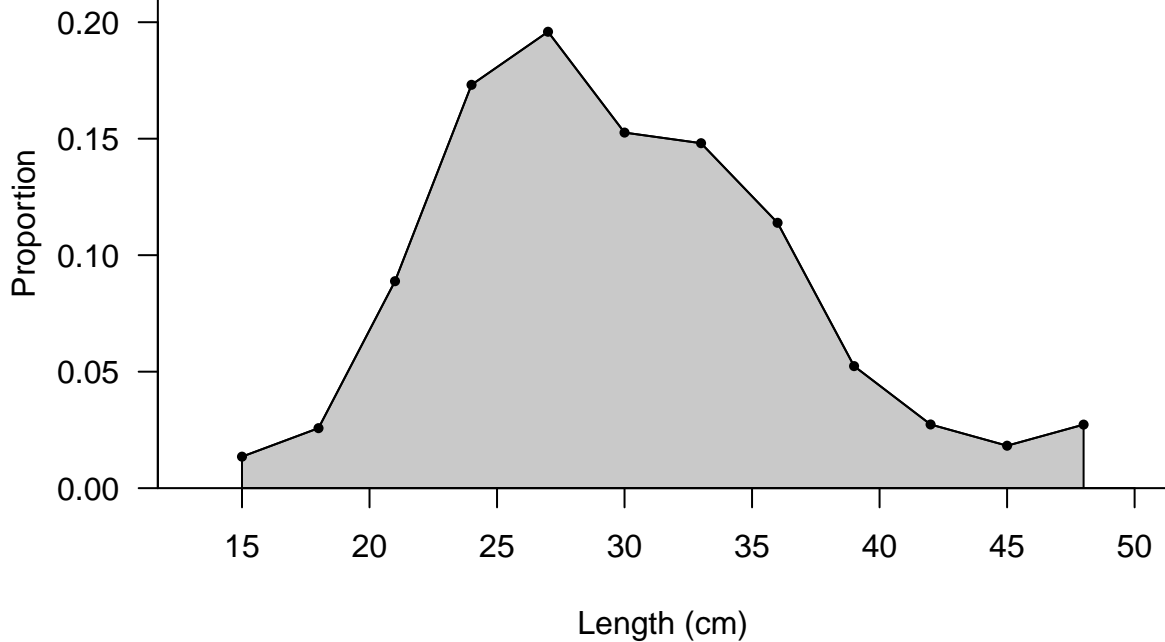
Year

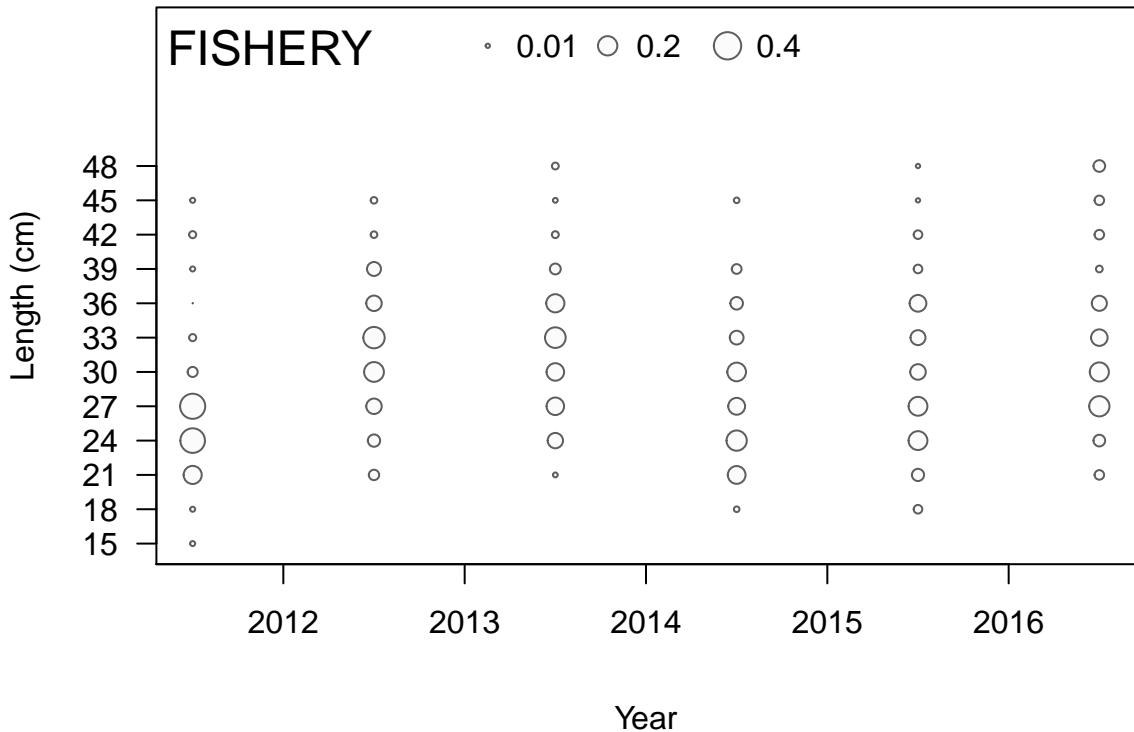




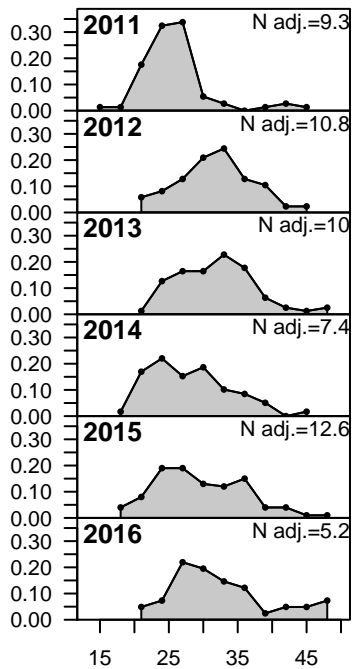
**FISHERY**

Sum of N adj.=55.3

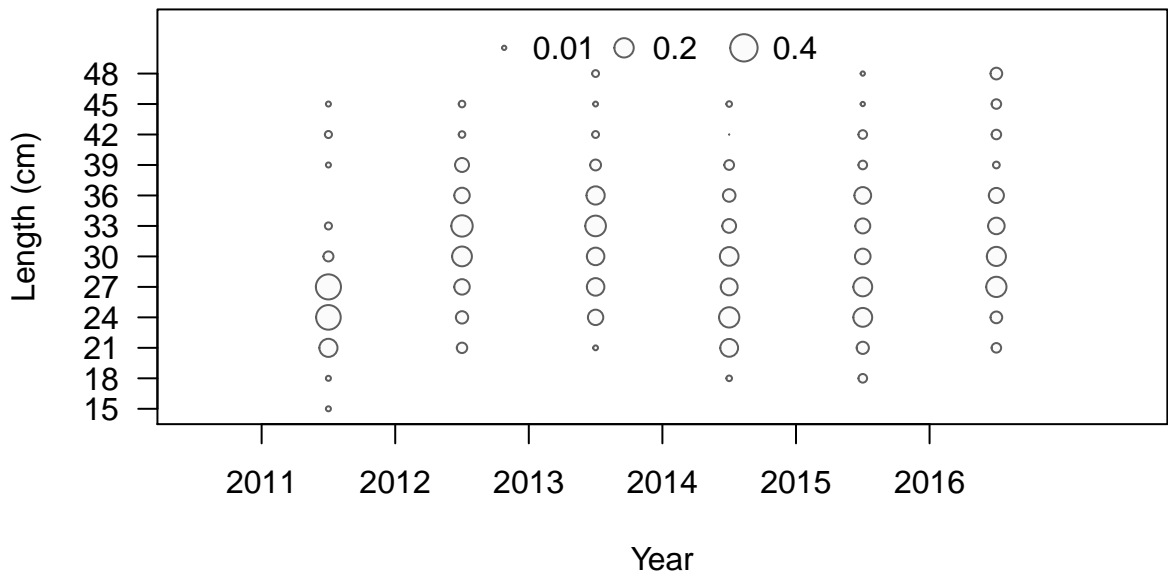




Proportion

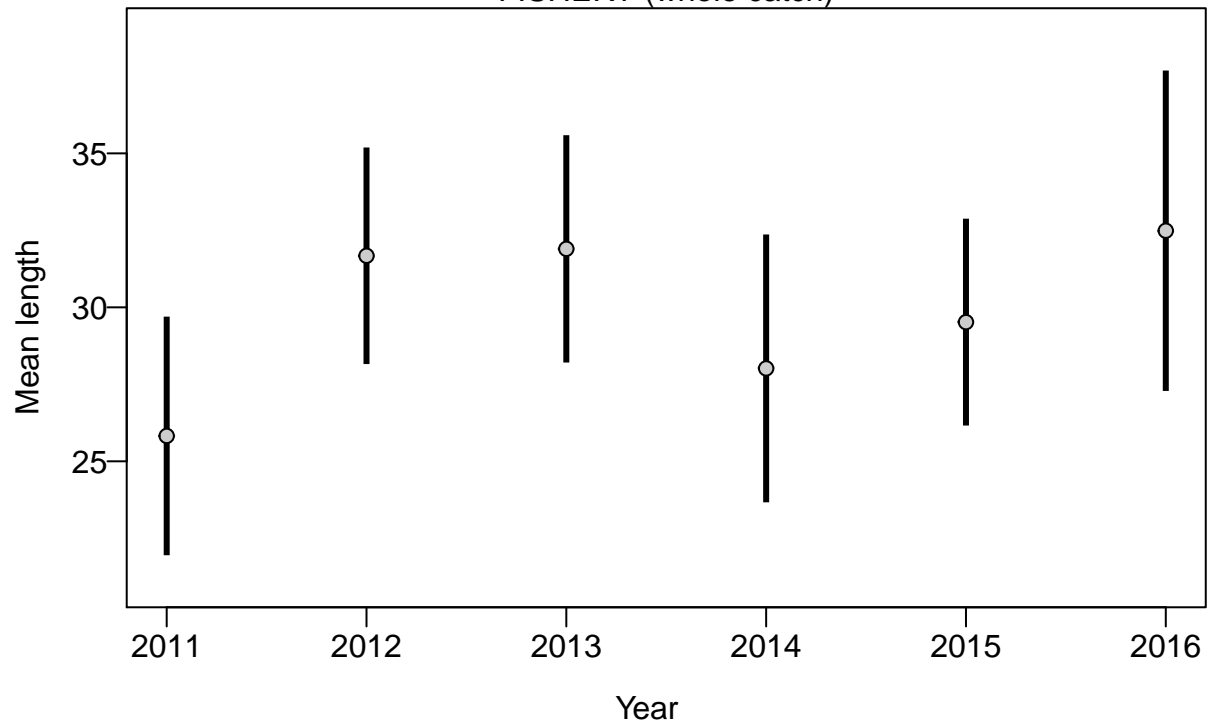


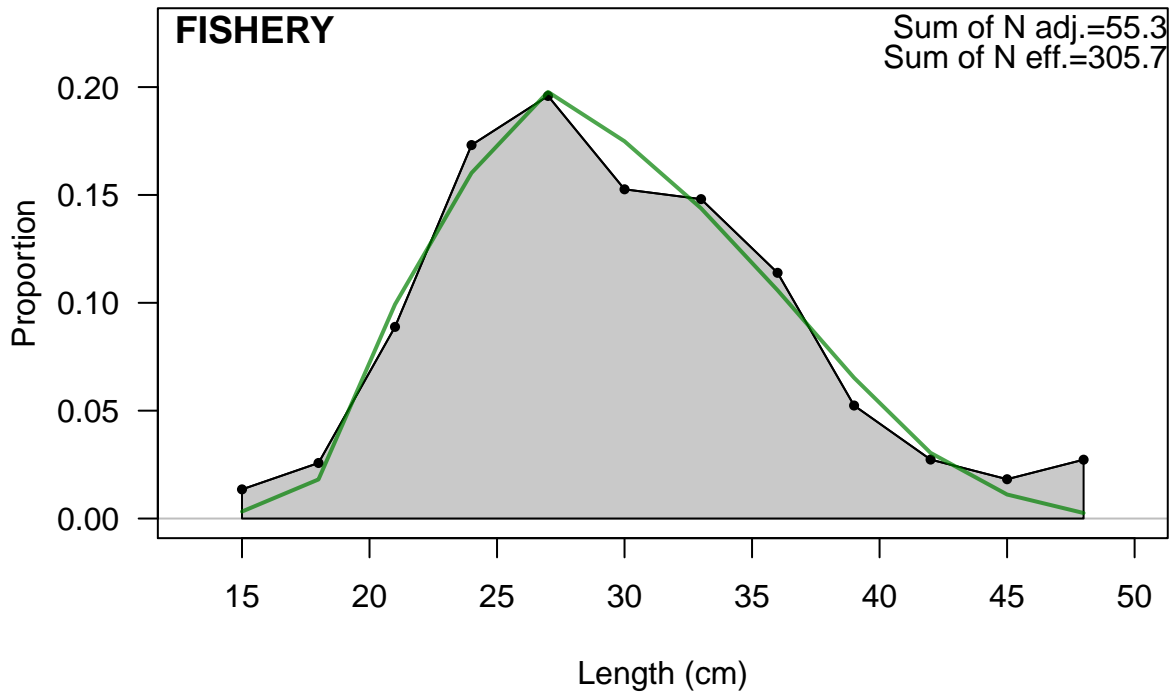
Length (cm)

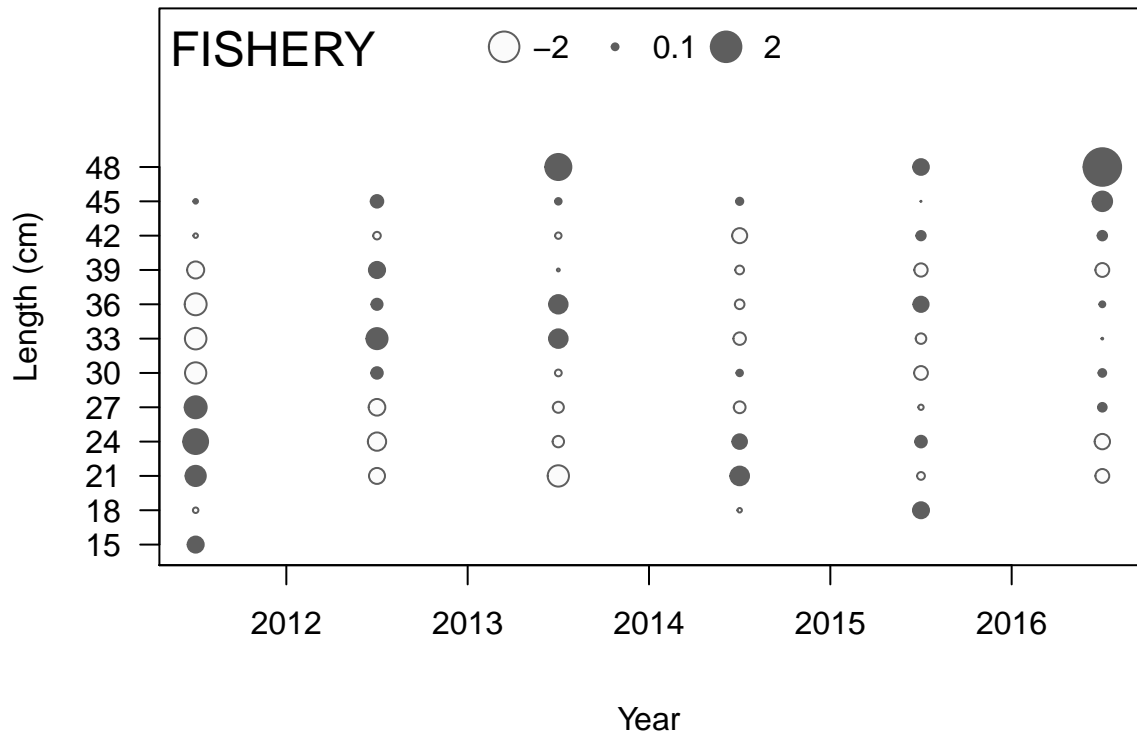




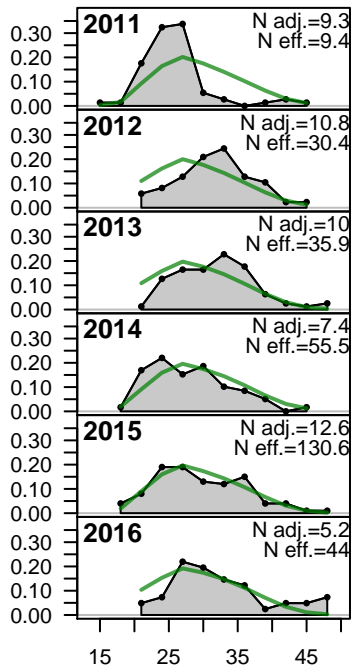
FISHERY (whole catch)



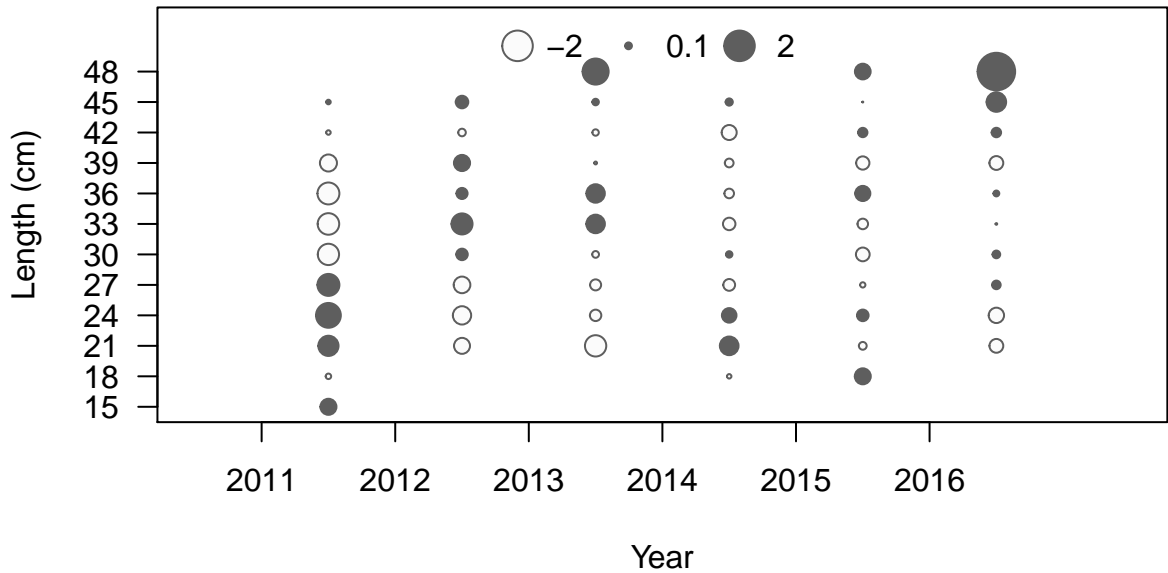




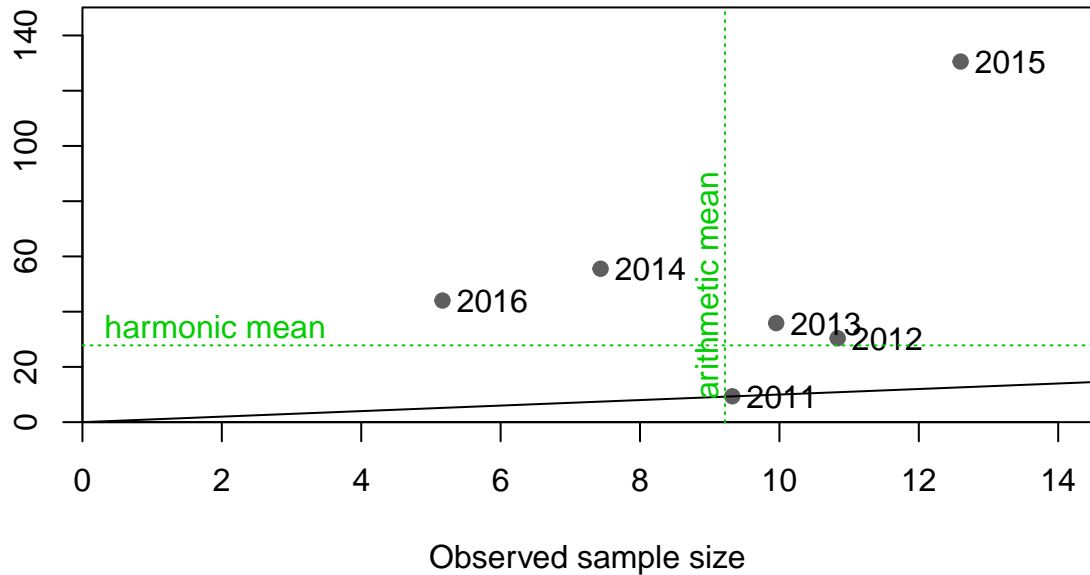
Proportion



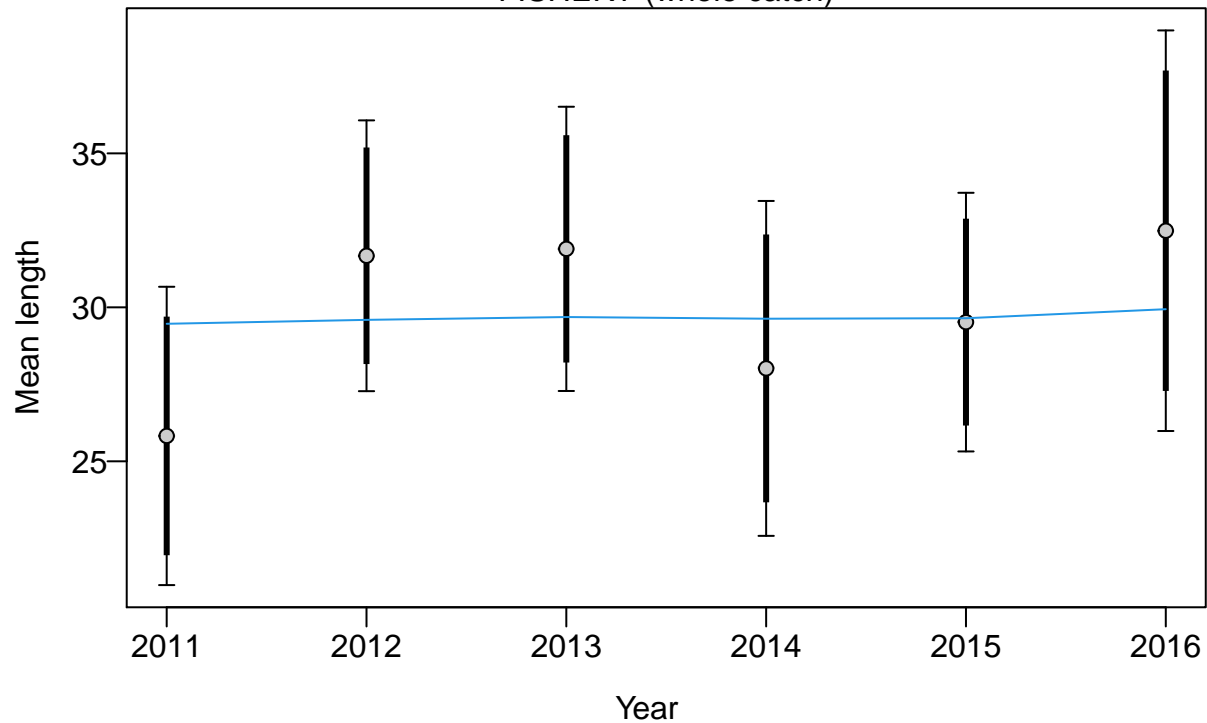
Length (cm)

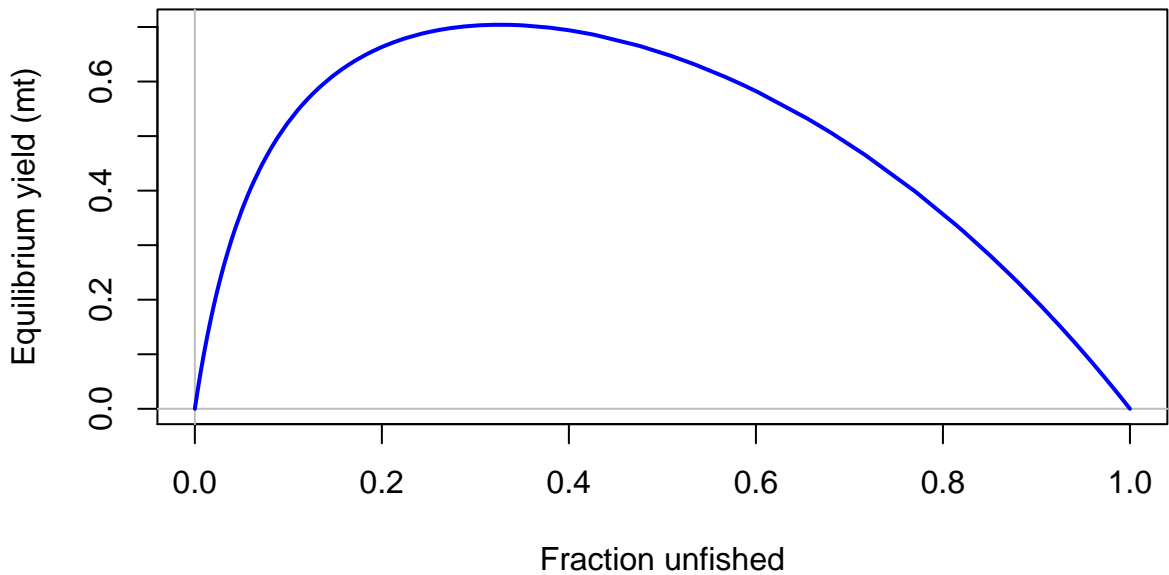


Effective sample size

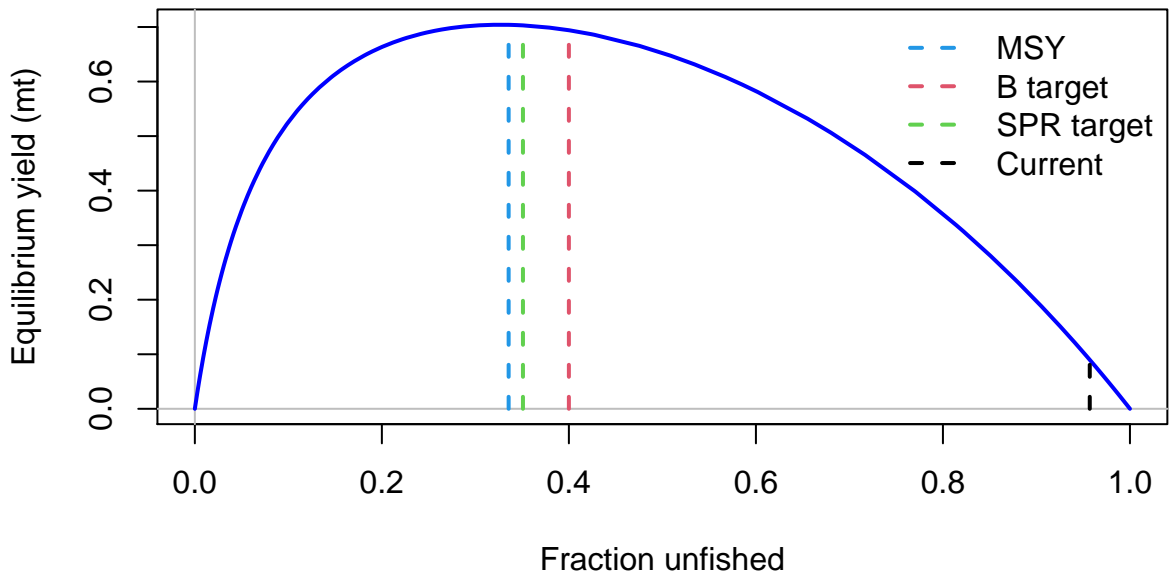


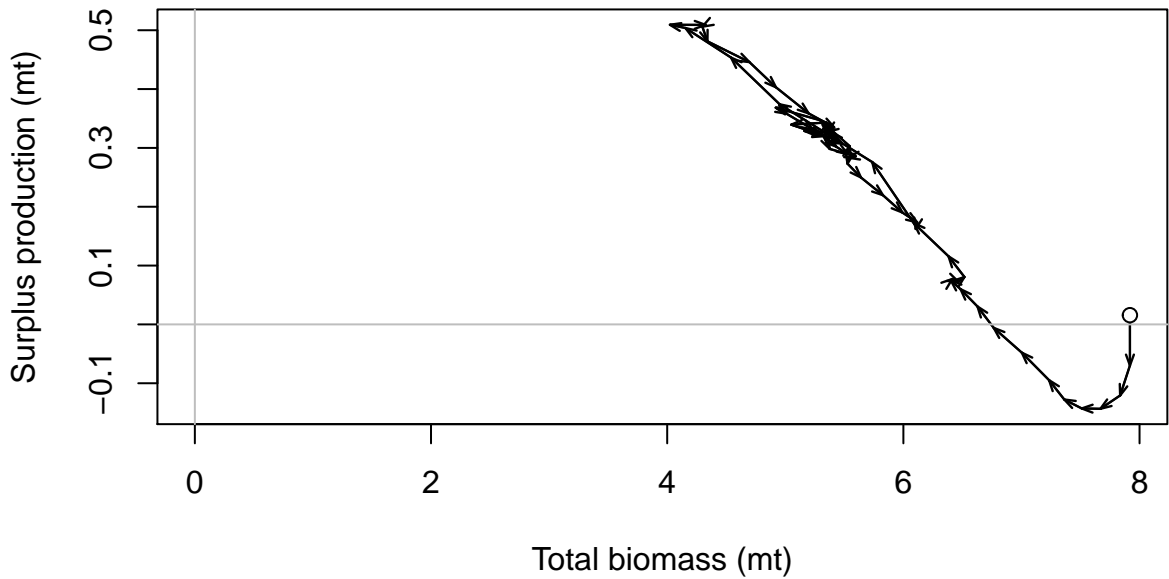
FISHERY (whole catch)

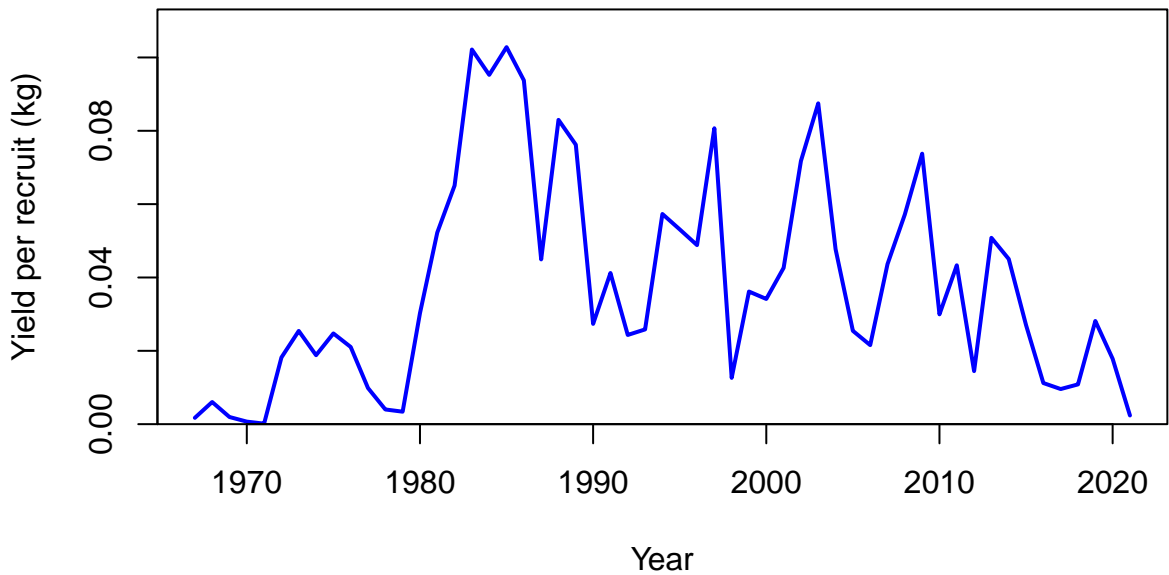


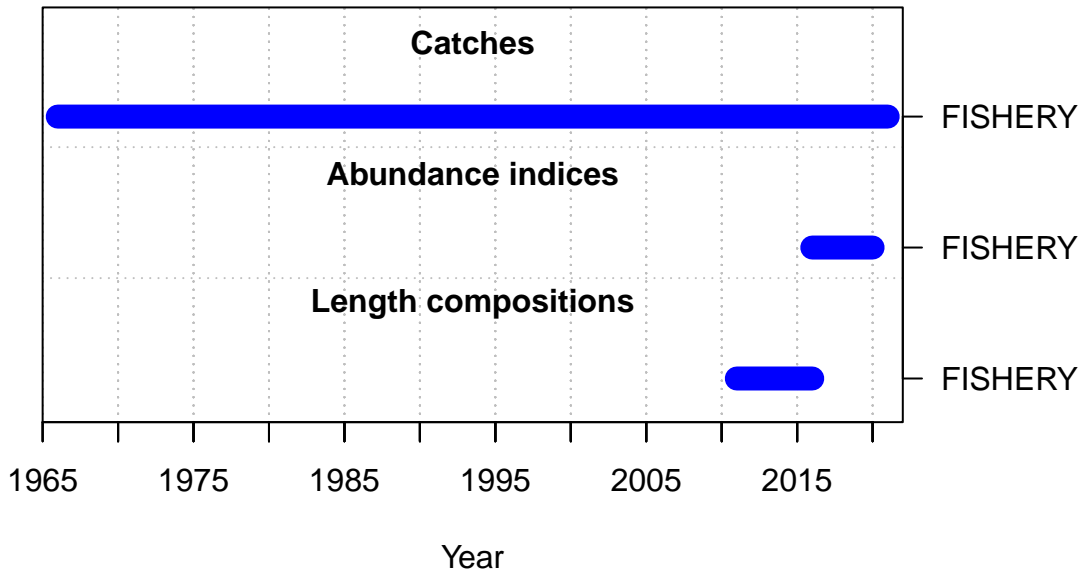


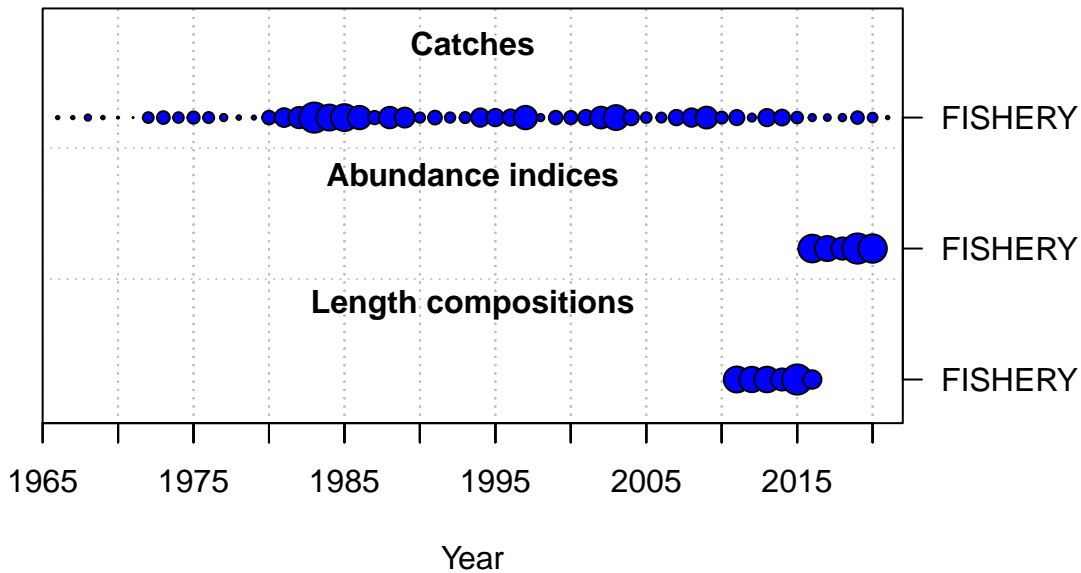




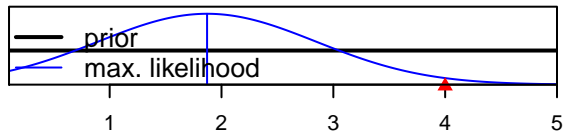




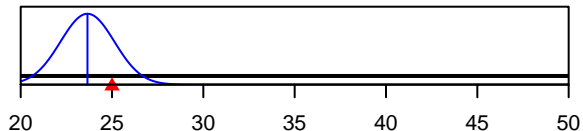




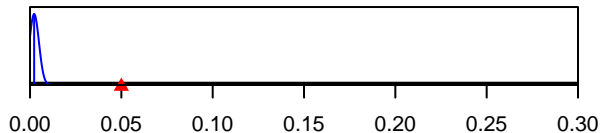
SR\_LN(R0)



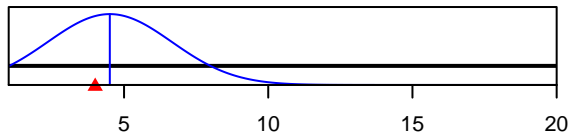
Size\_inflection\_FISHERY(1)



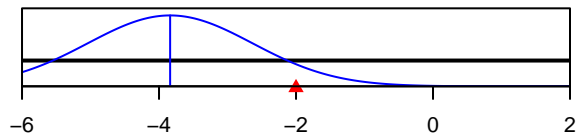
InitF\_seas\_1\_flt\_1FISHERY



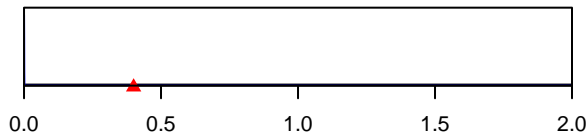
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value