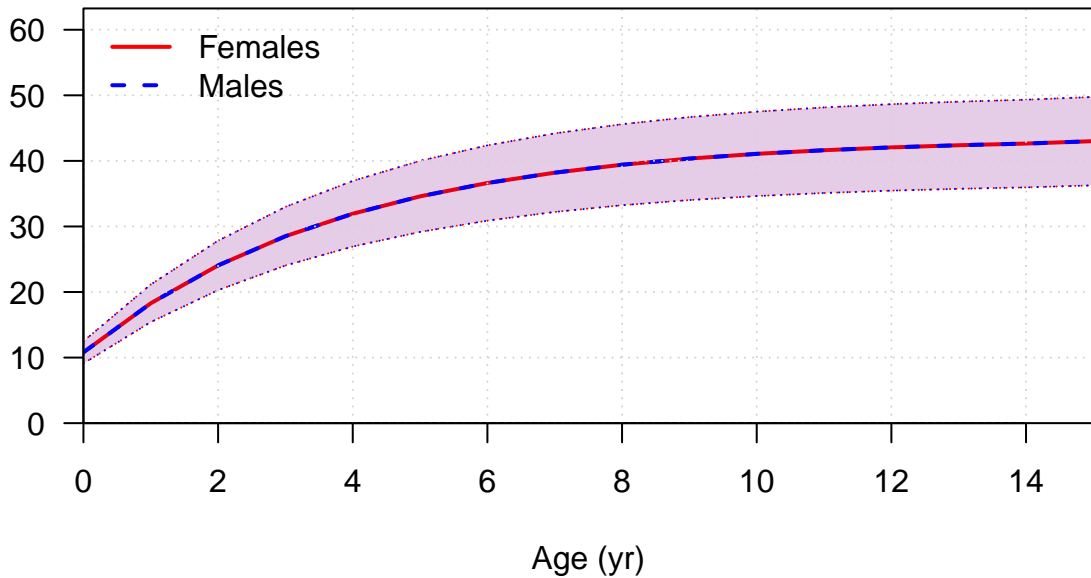
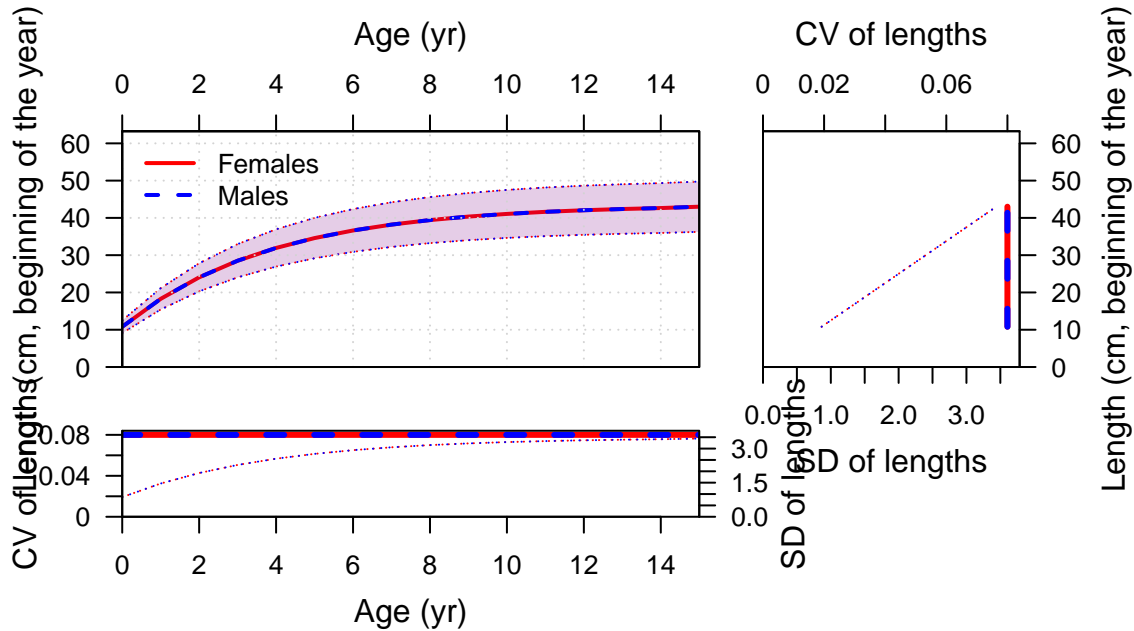
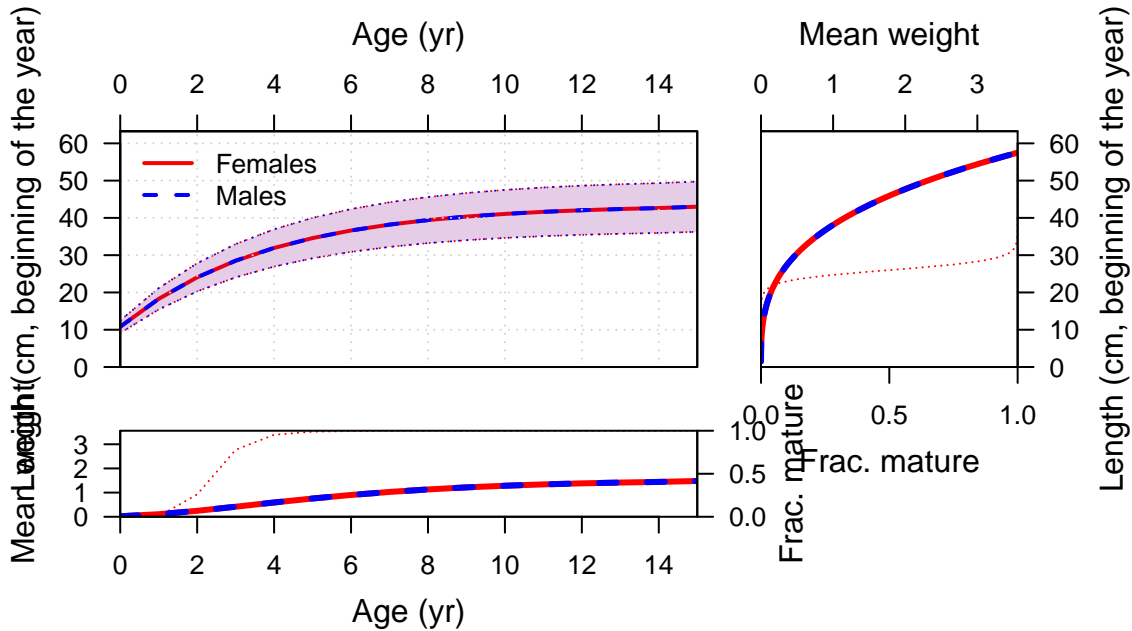


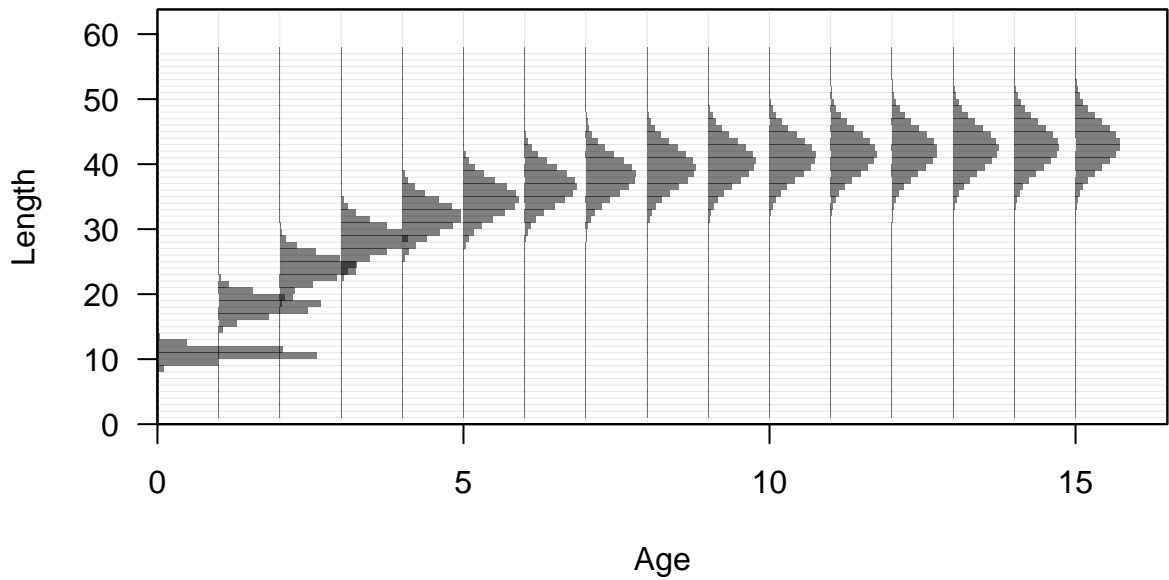
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Mon Aug 08 10:14:10 2022  
Data\_File: data.ss  
Control\_File: control.ss

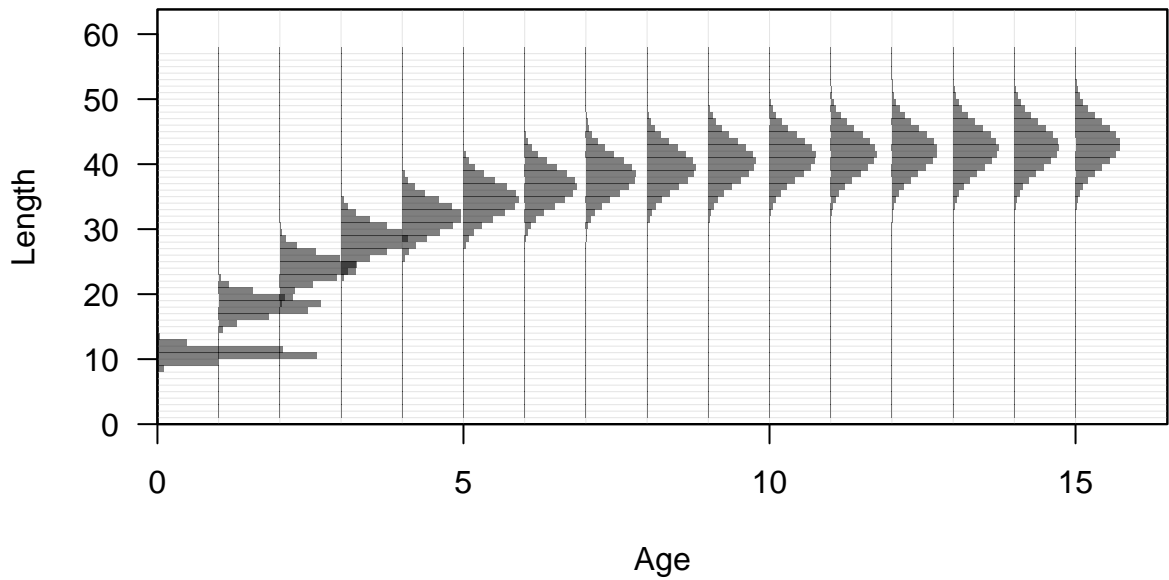
Length (cm, beginning of the year)

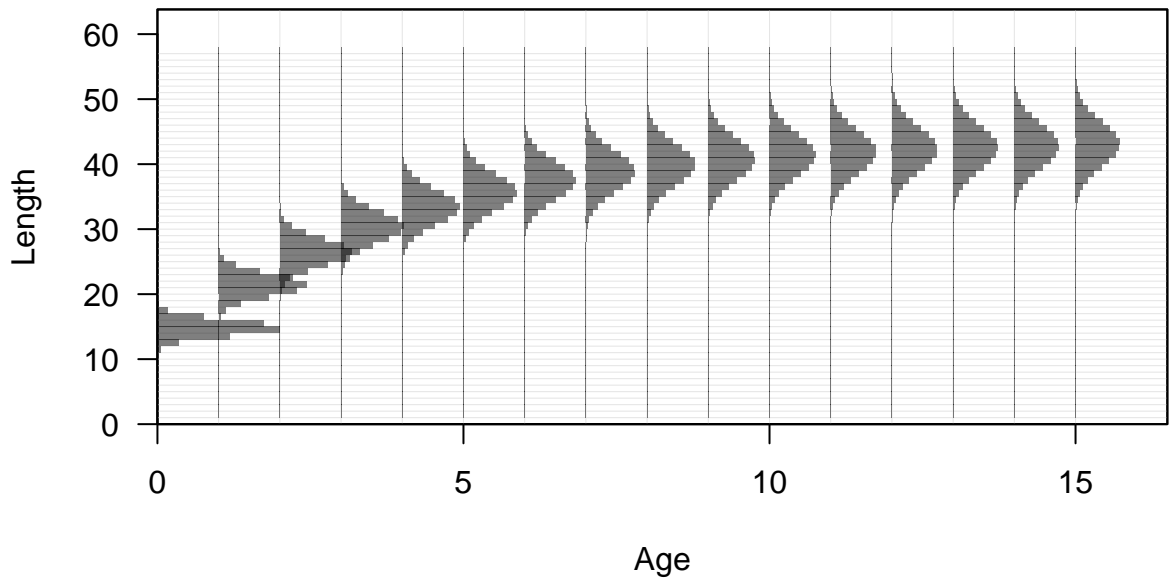


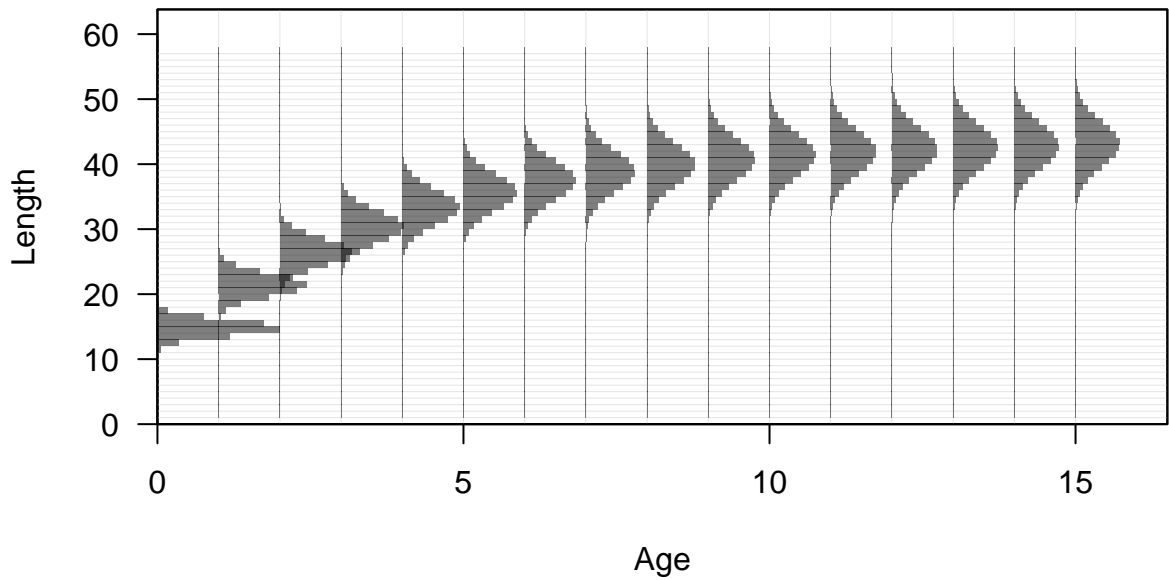






















Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

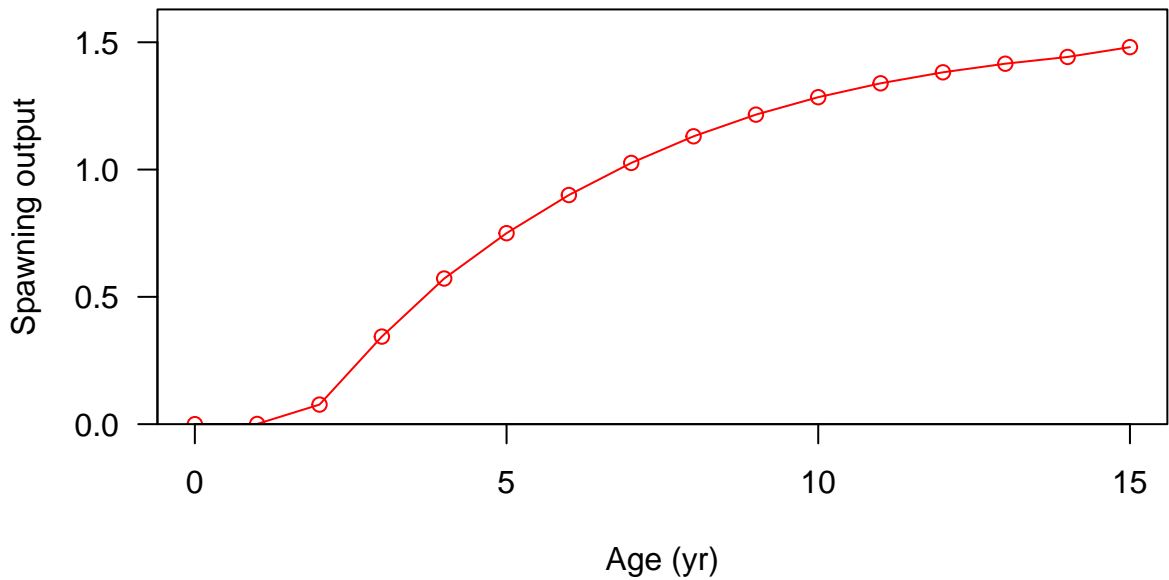
30

40

50

Length (cm)



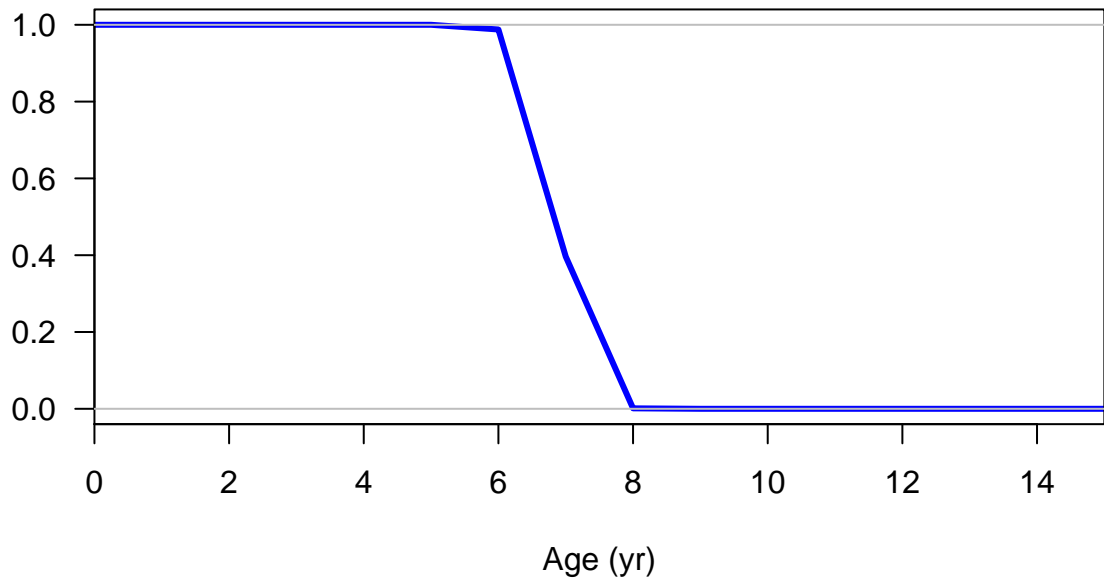




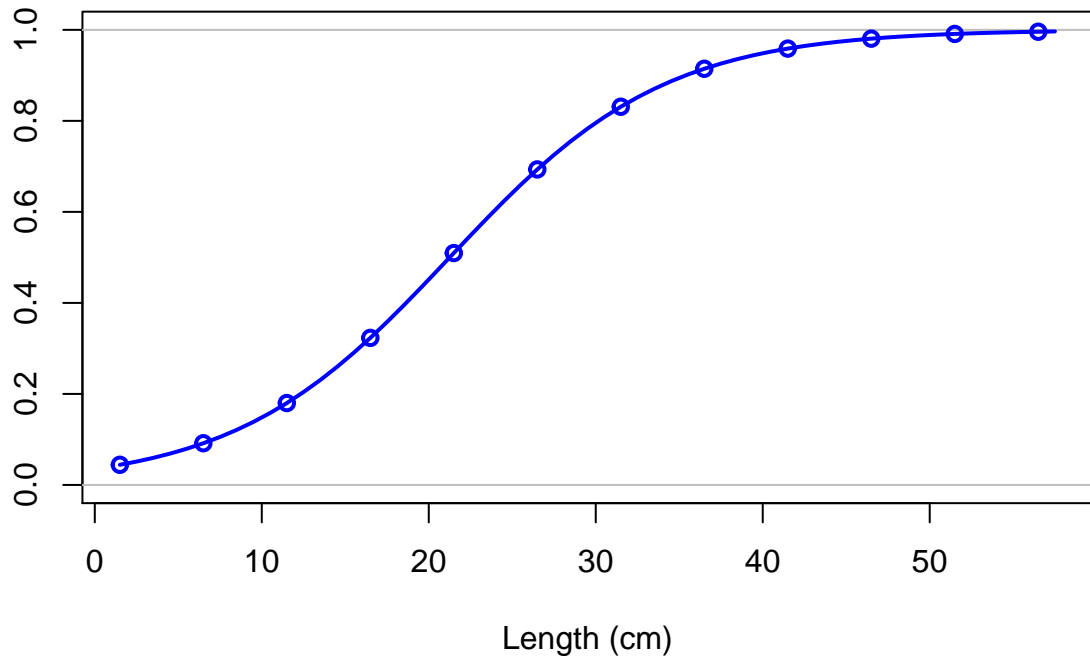
Hermaphroditism transition rate



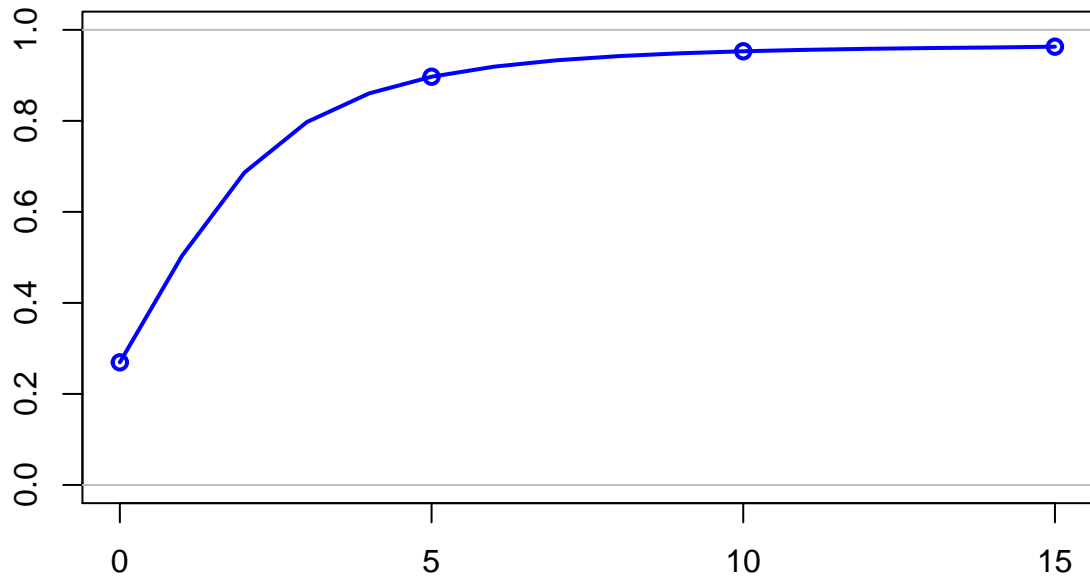
Fraction females by age at equilibrium



Selectivity

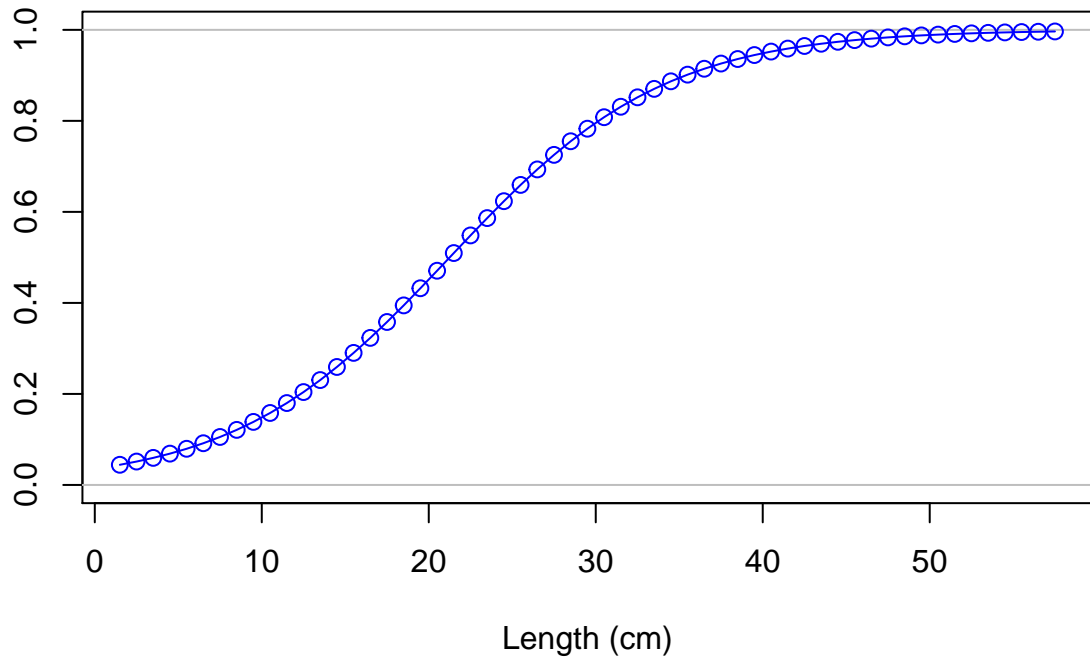


Selectivity

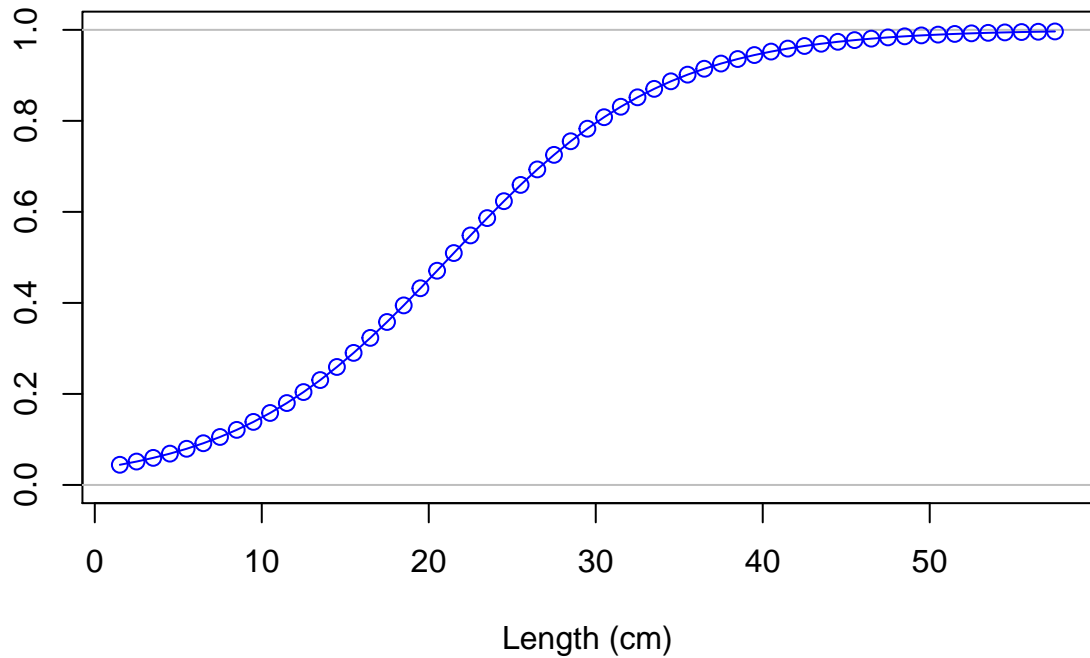


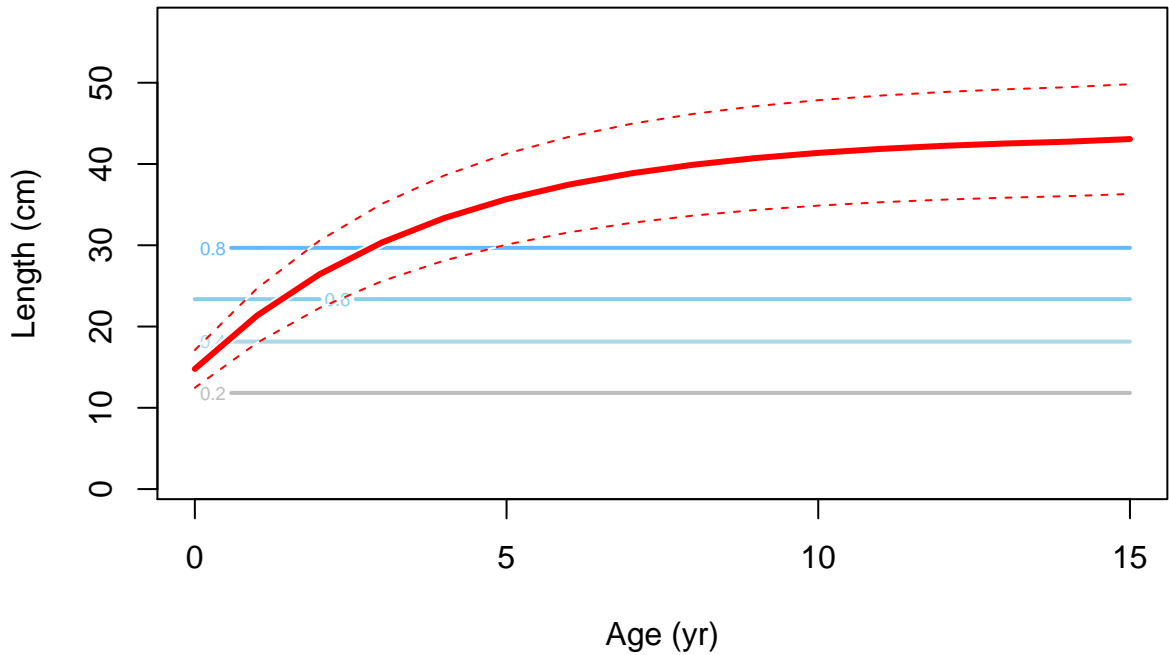
Age (yr)

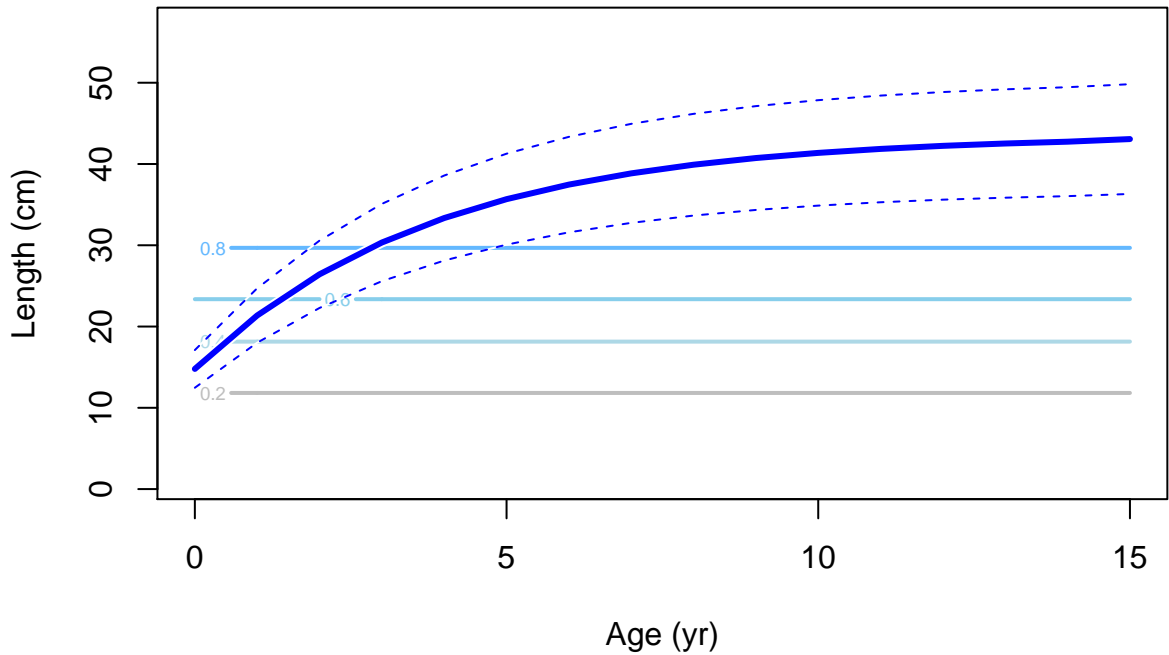
Selectivity



Selectivity

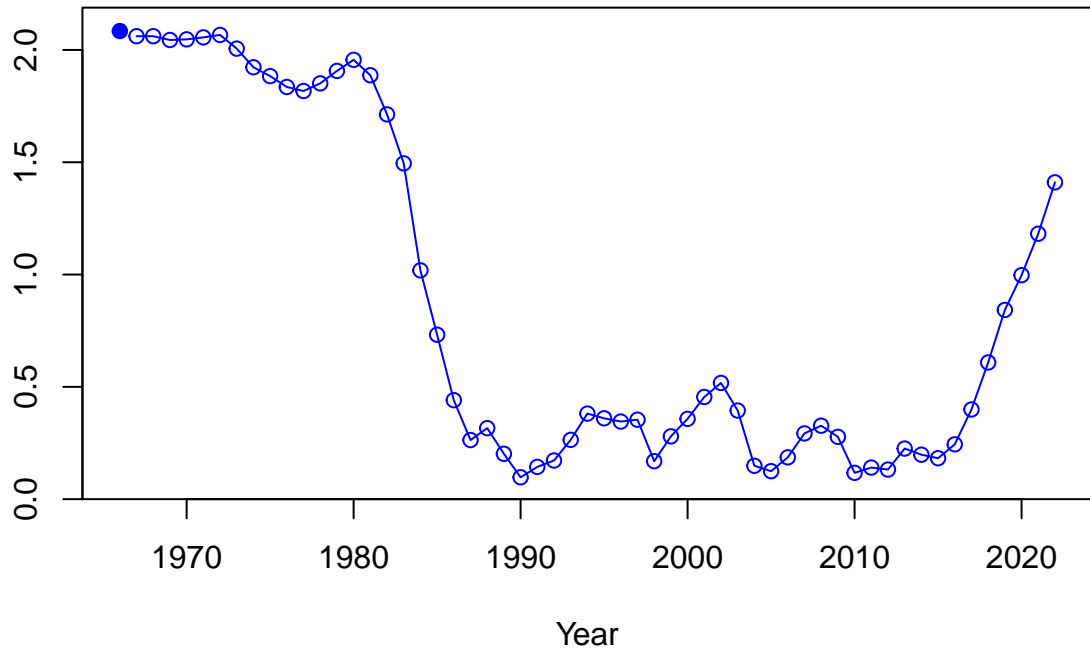




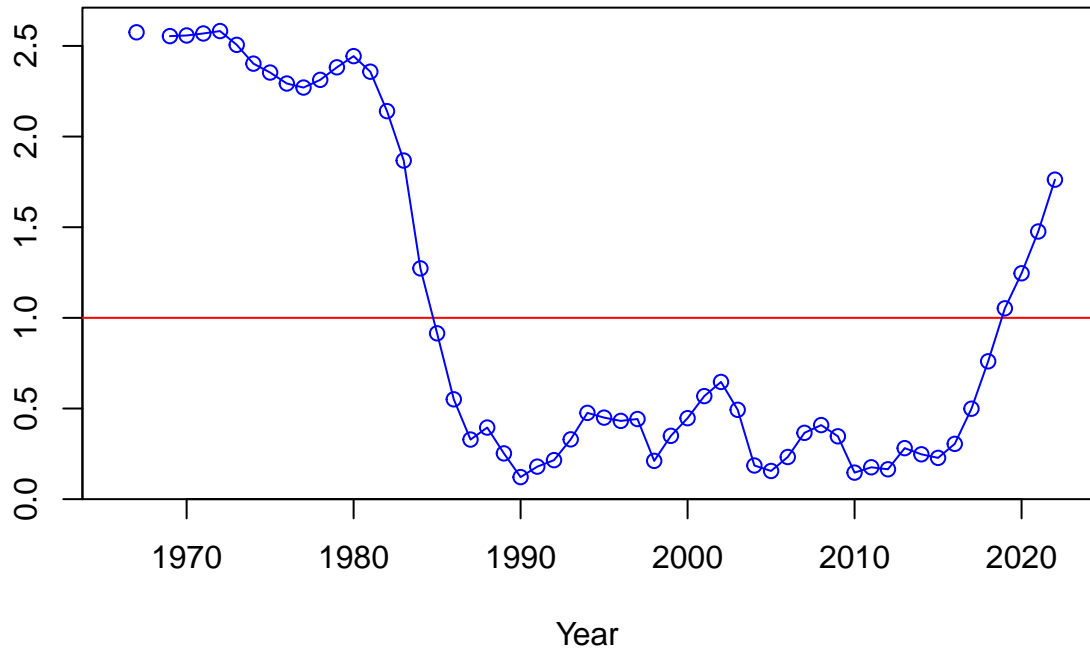


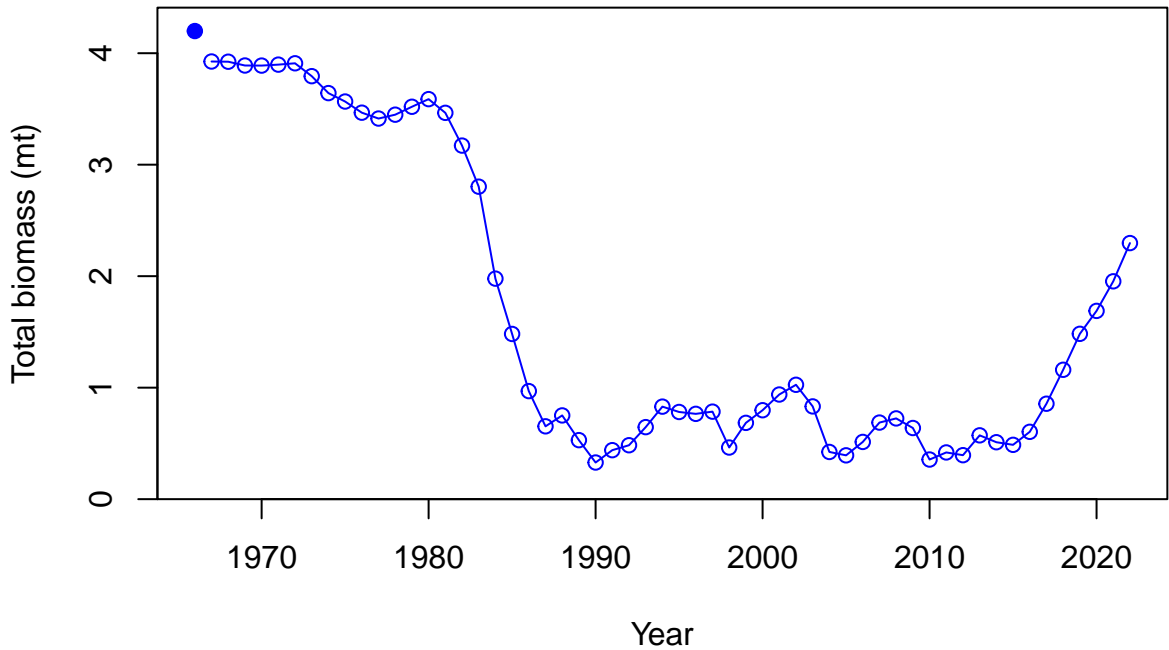


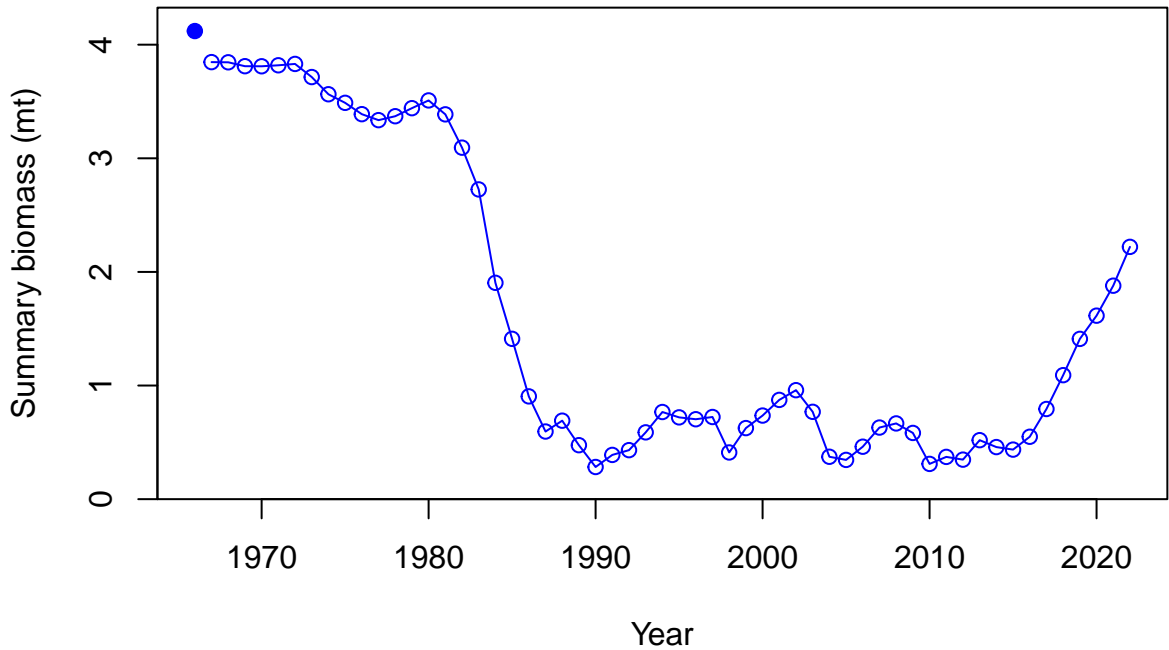
Spawning biomass (mt)



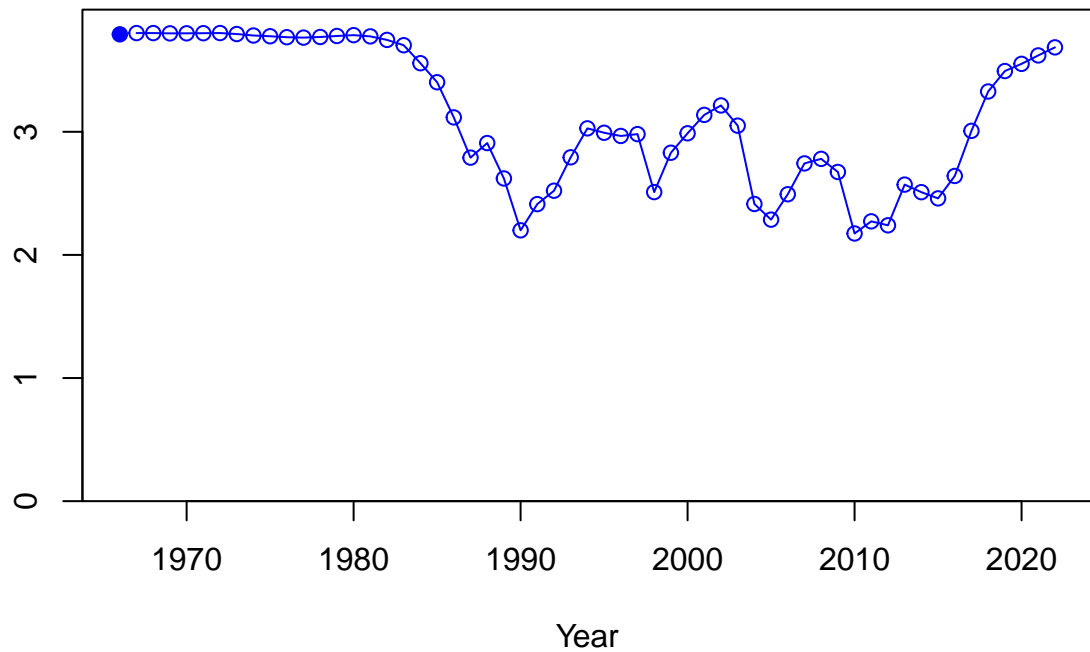
Relative spawning biomass:  $B/B_{MSY}$



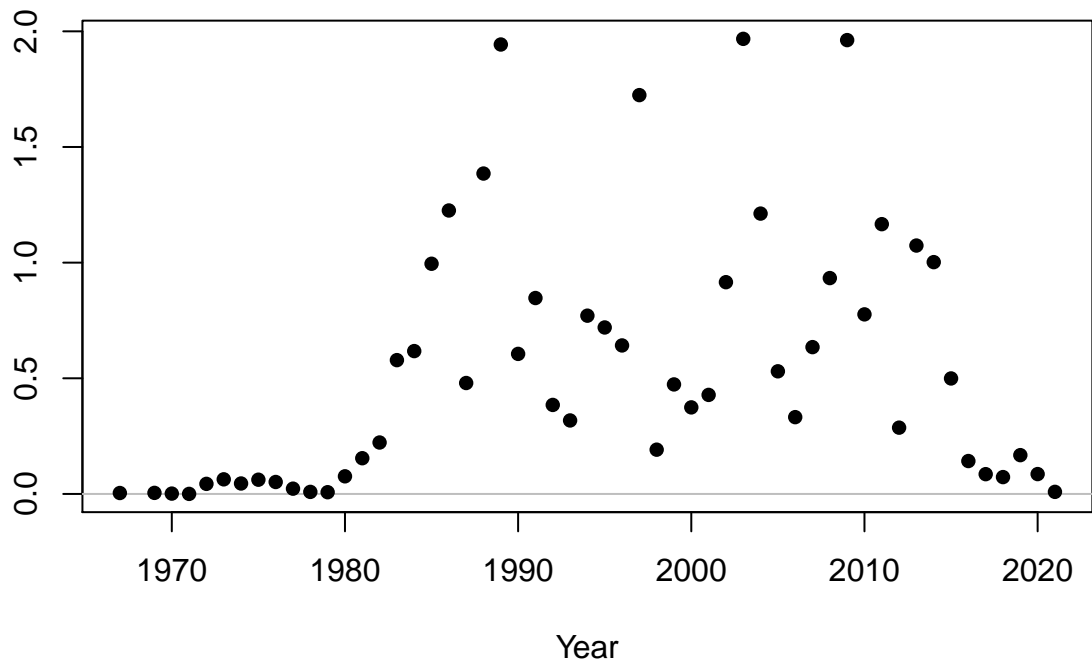


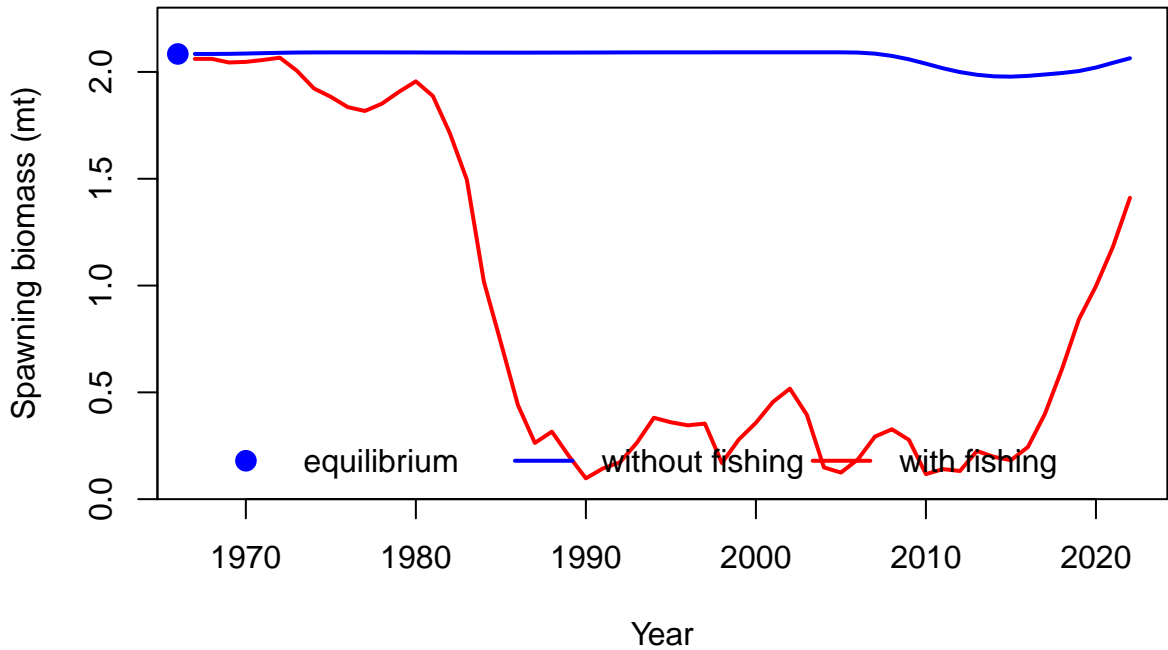


Age-0 recruits (1,000s)



Summary Fishing Mortality





Log recruitment deviation

0.010  
0.000  
-0.010

1970

1980

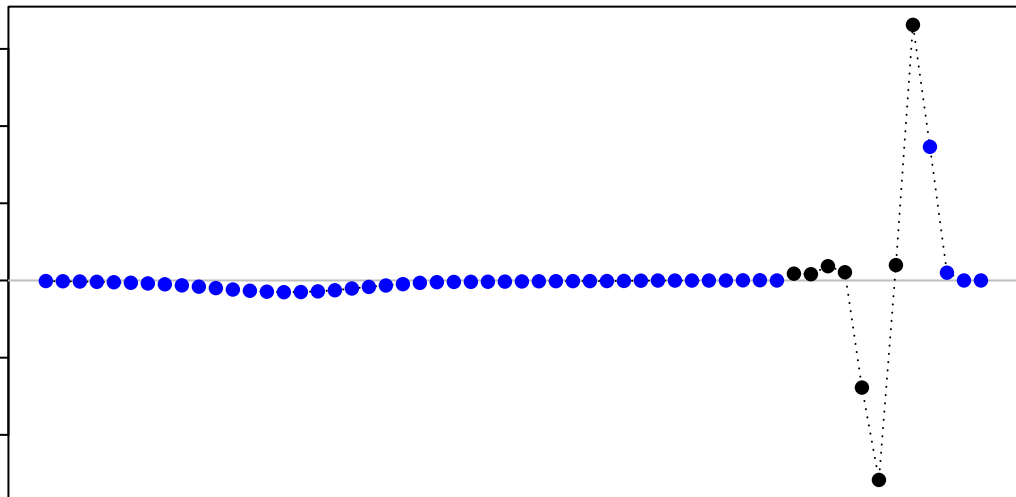
1990

2000

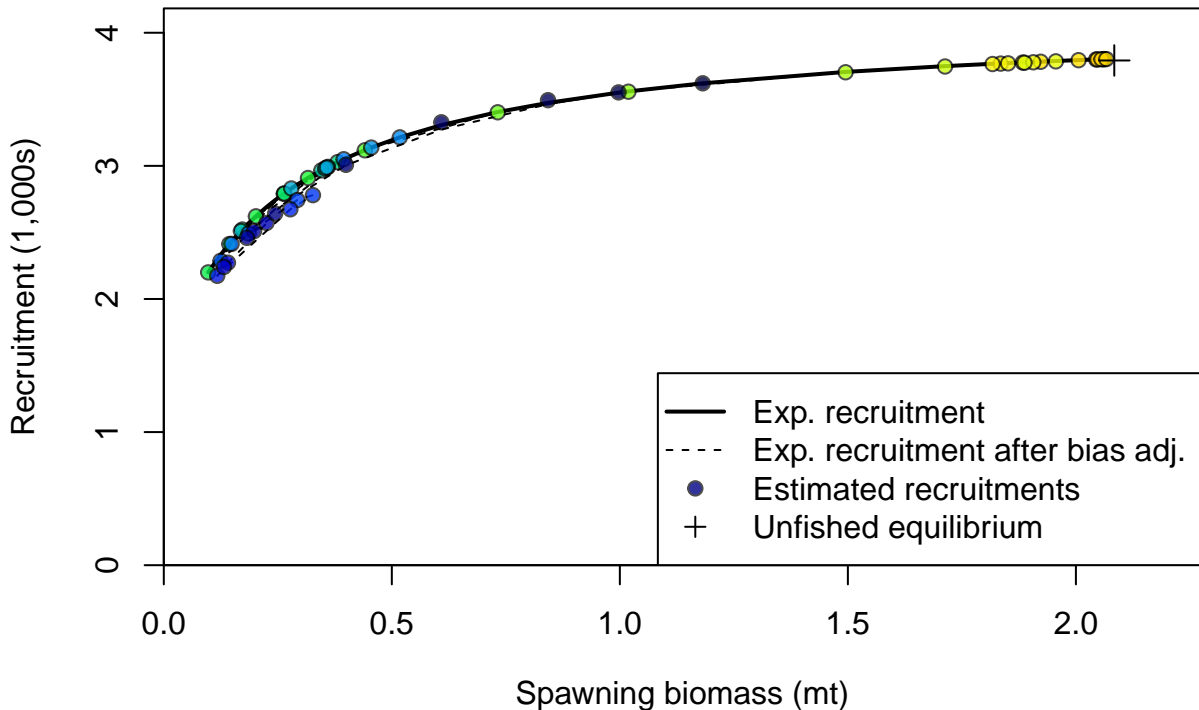
2010

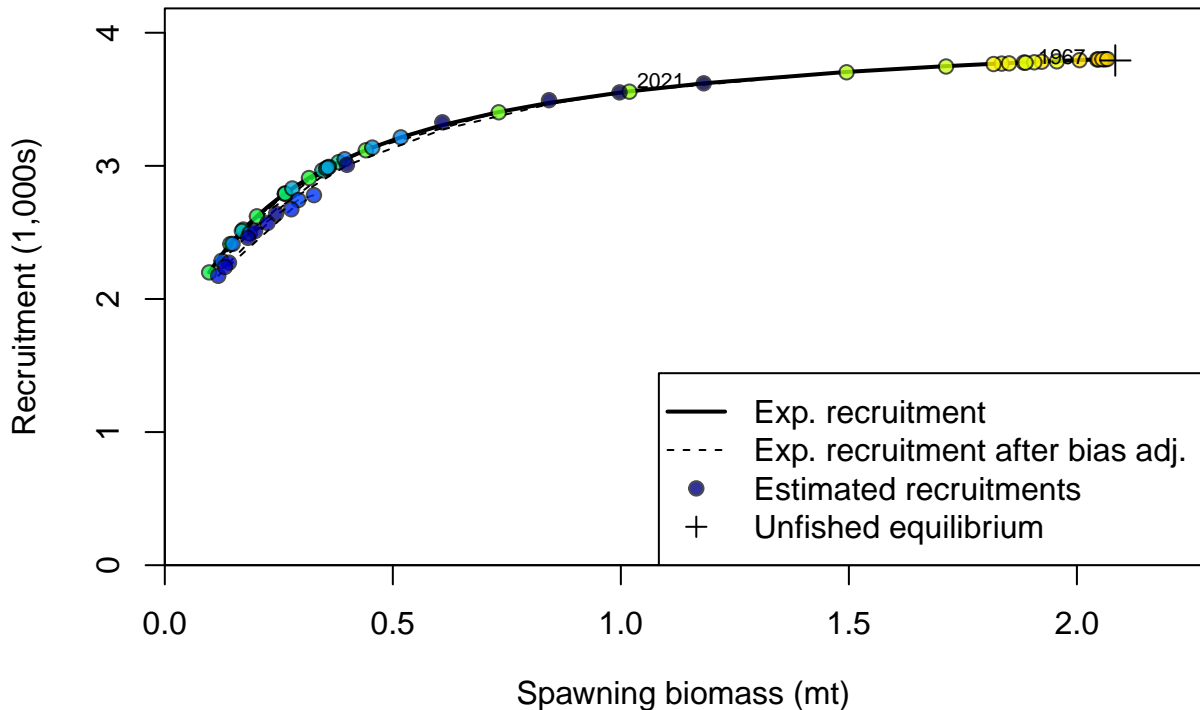
2020

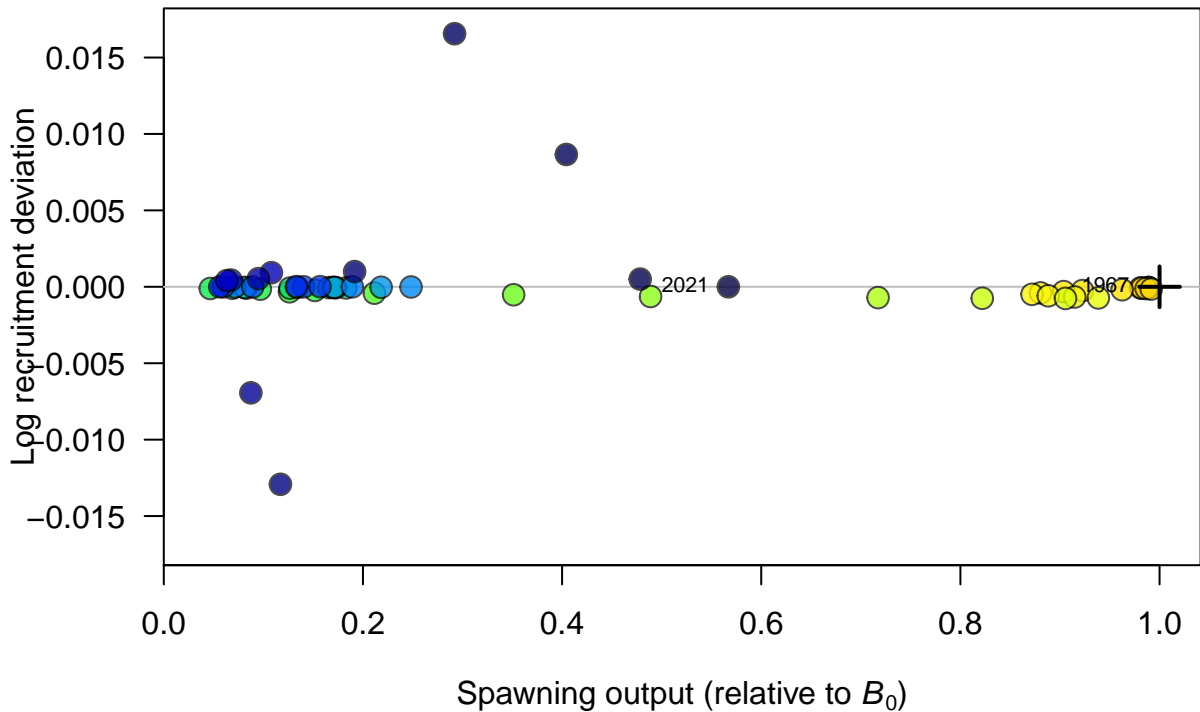
Year

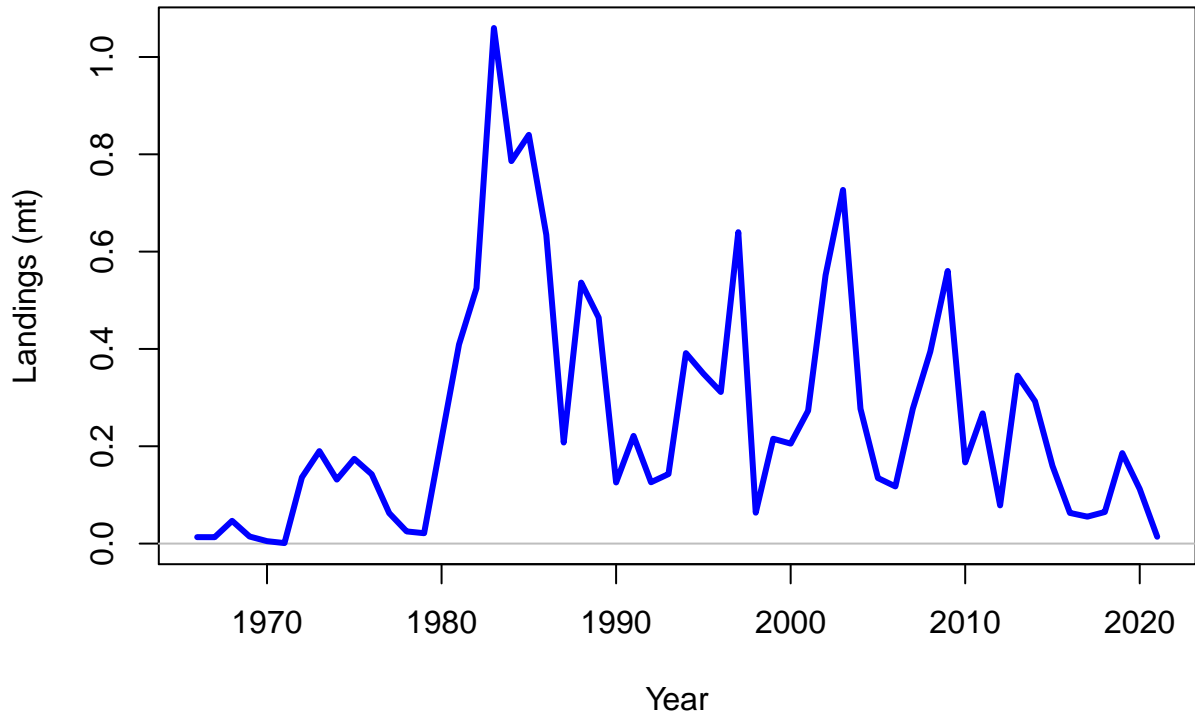


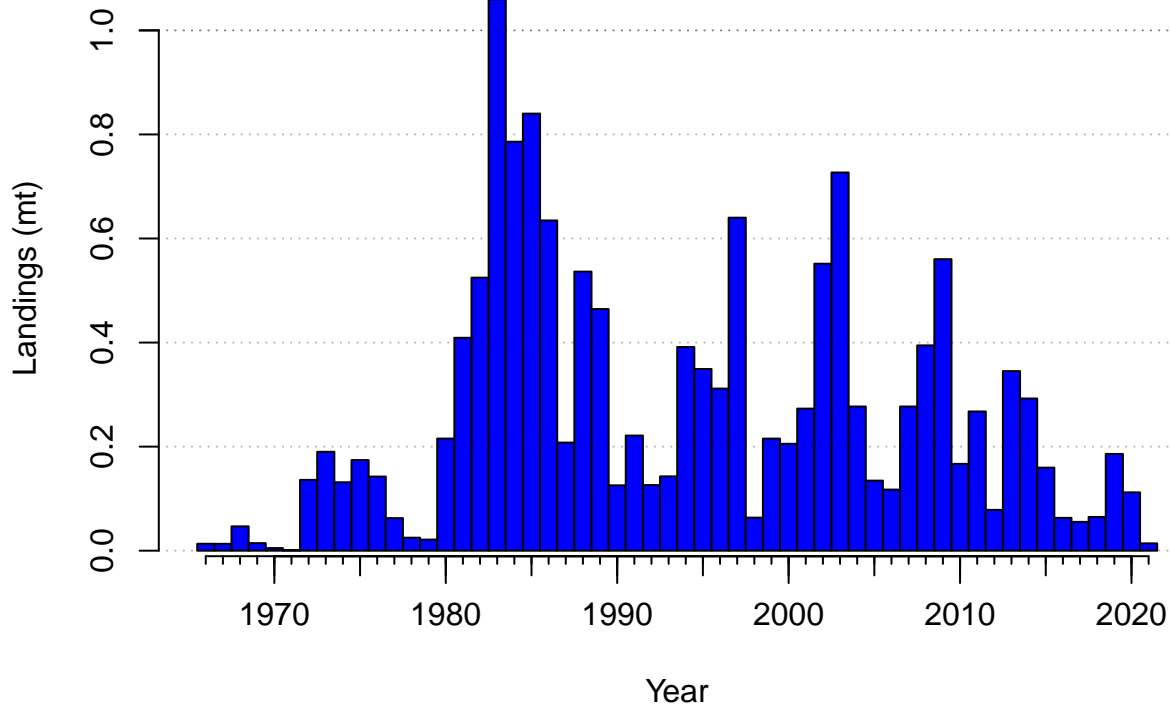


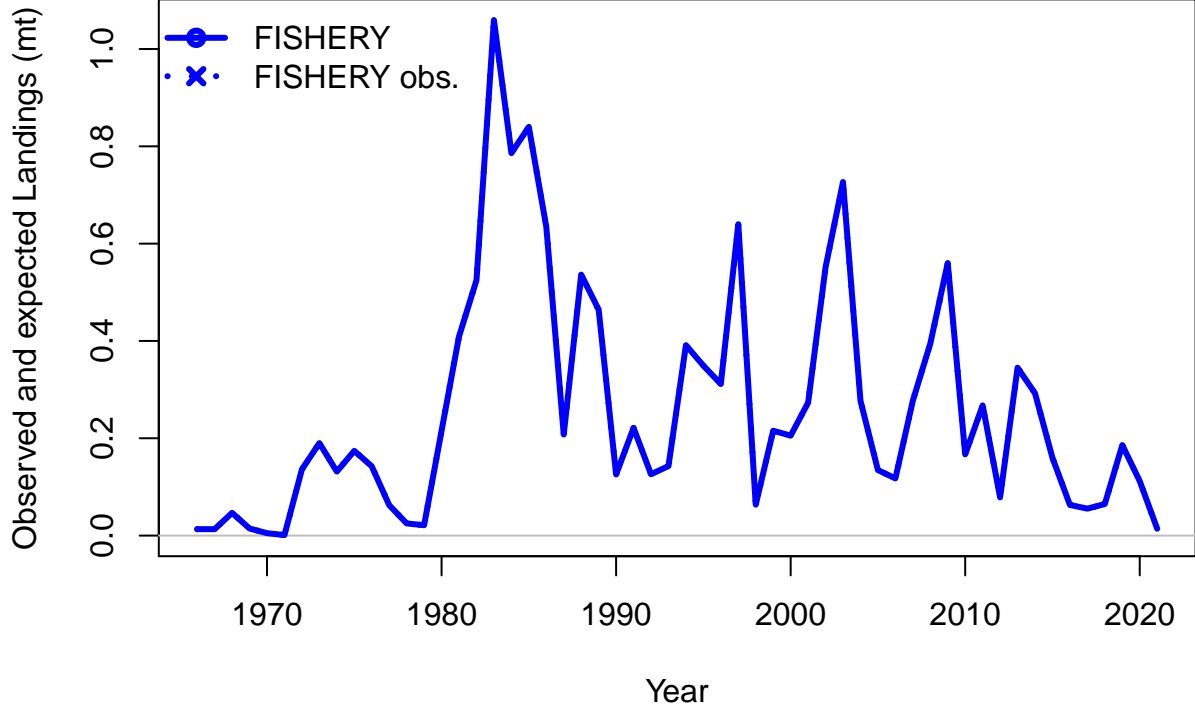




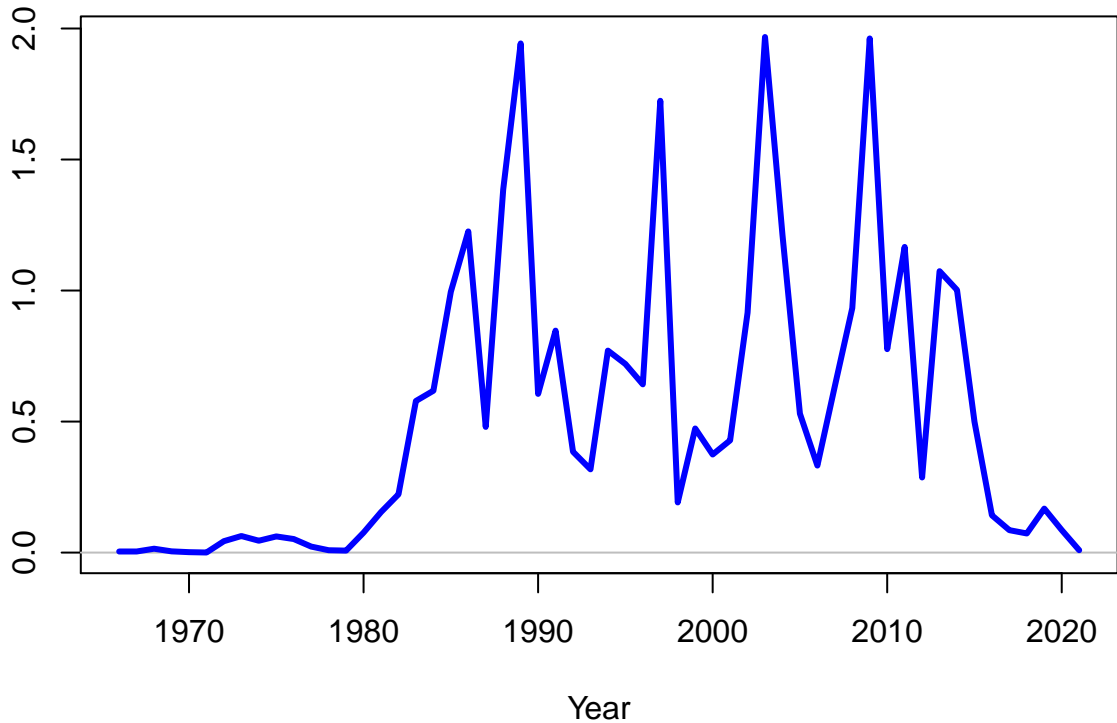




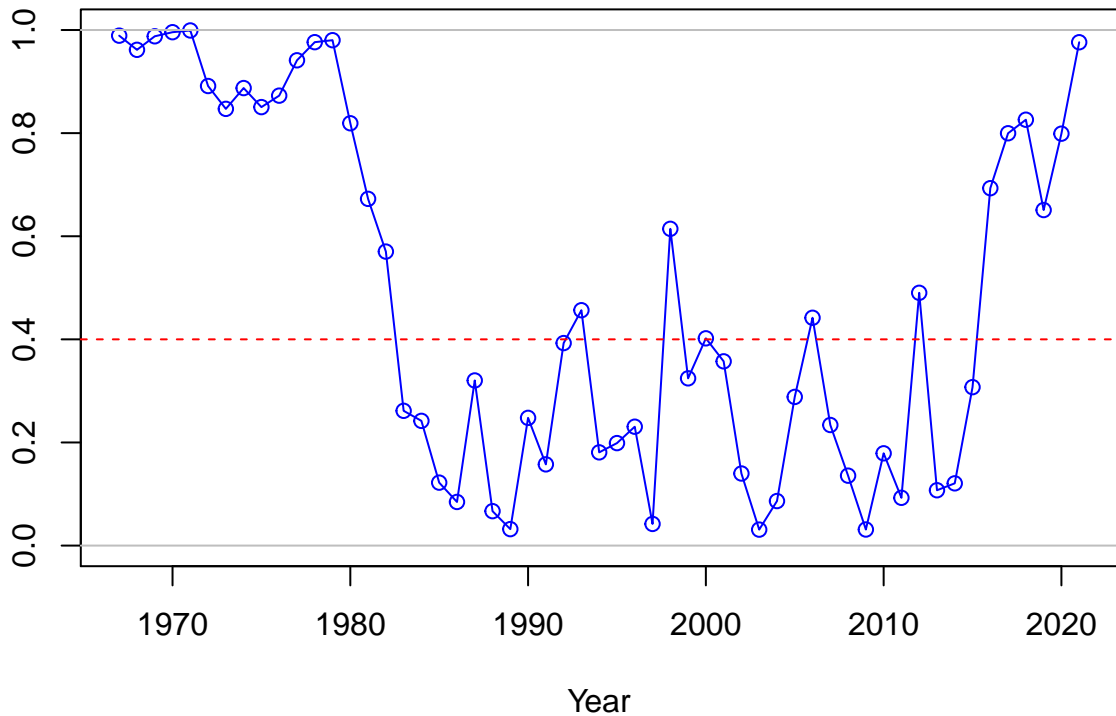




Continuous F

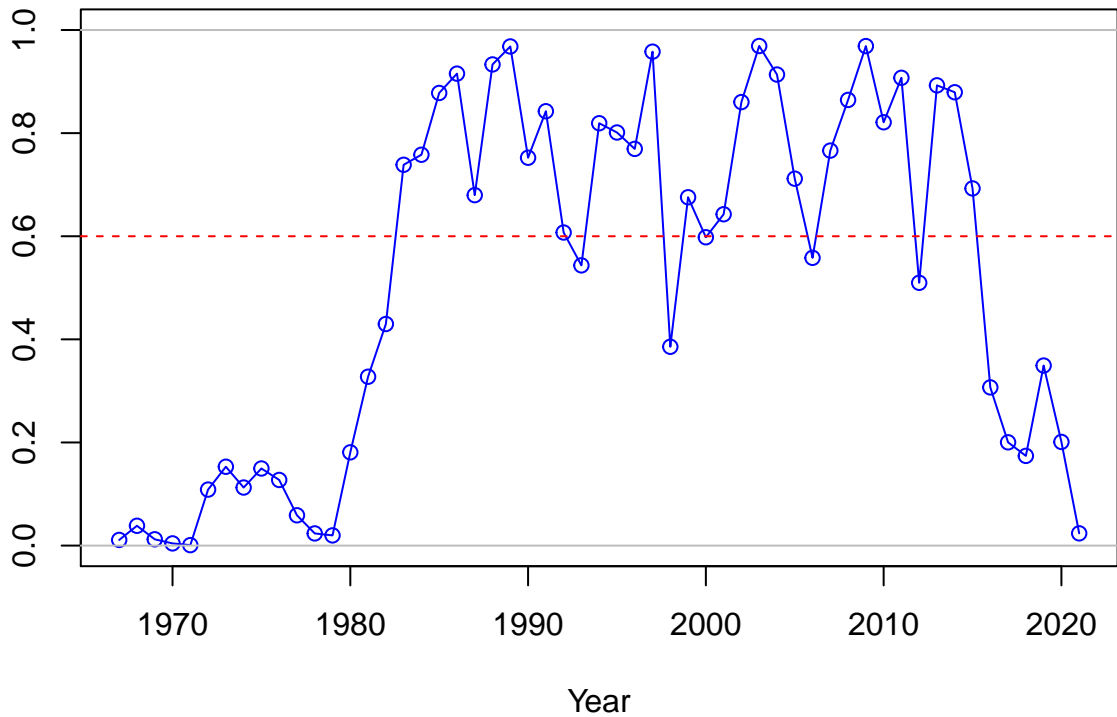


SPR

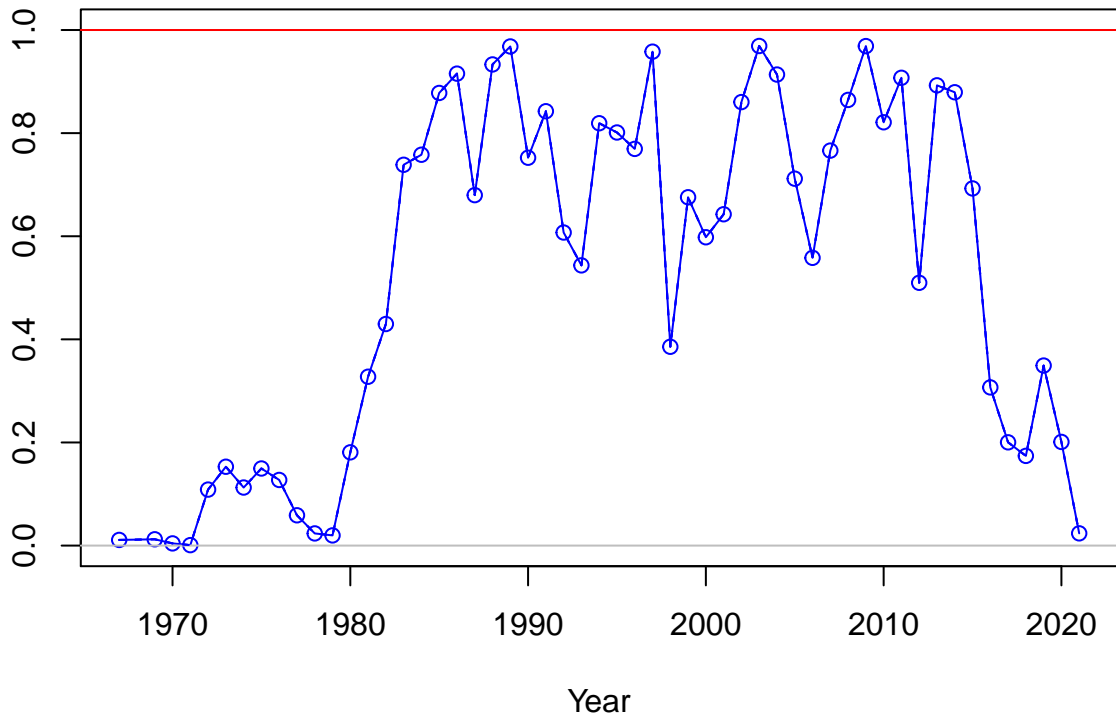




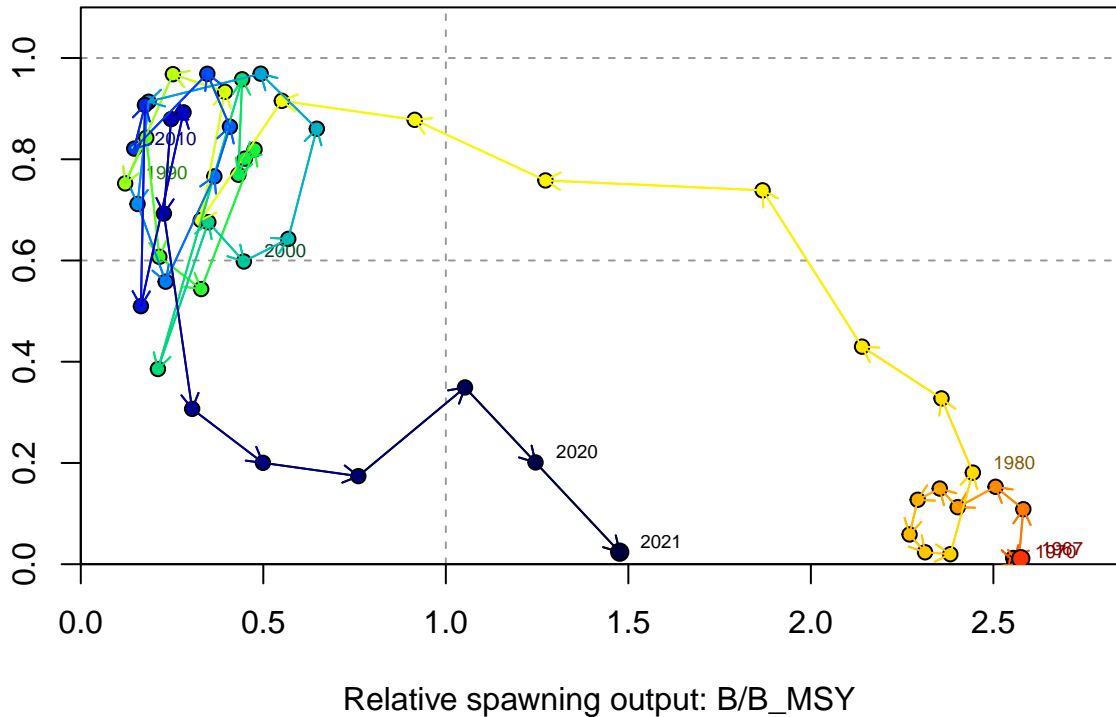
1-SPR



Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

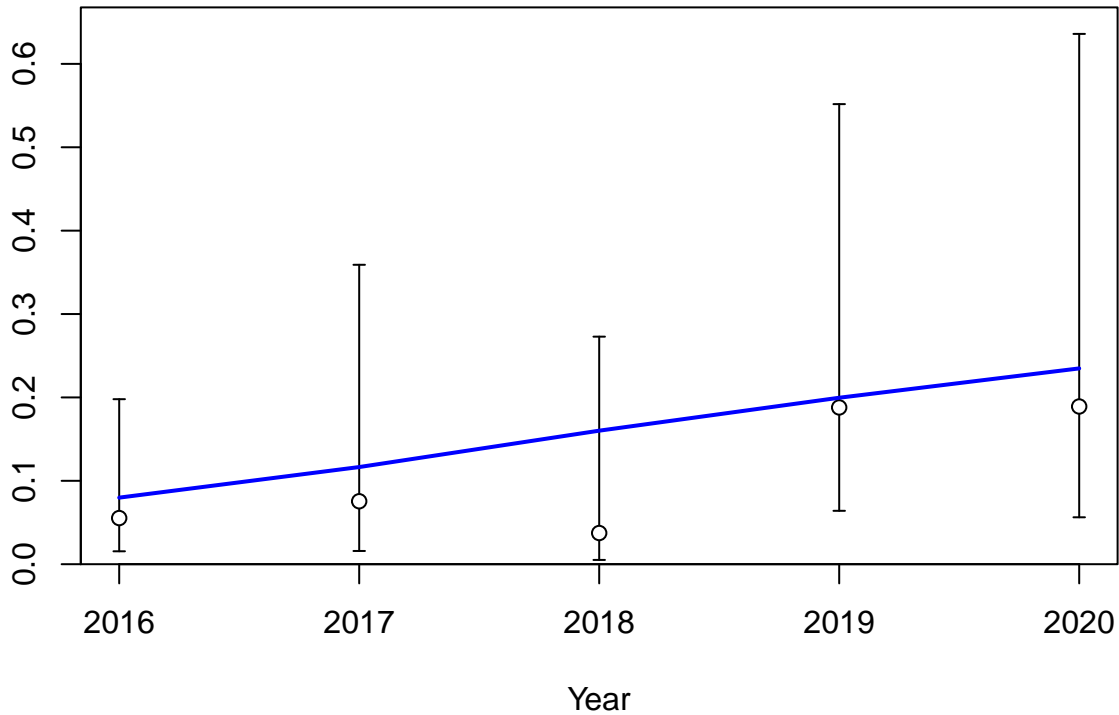


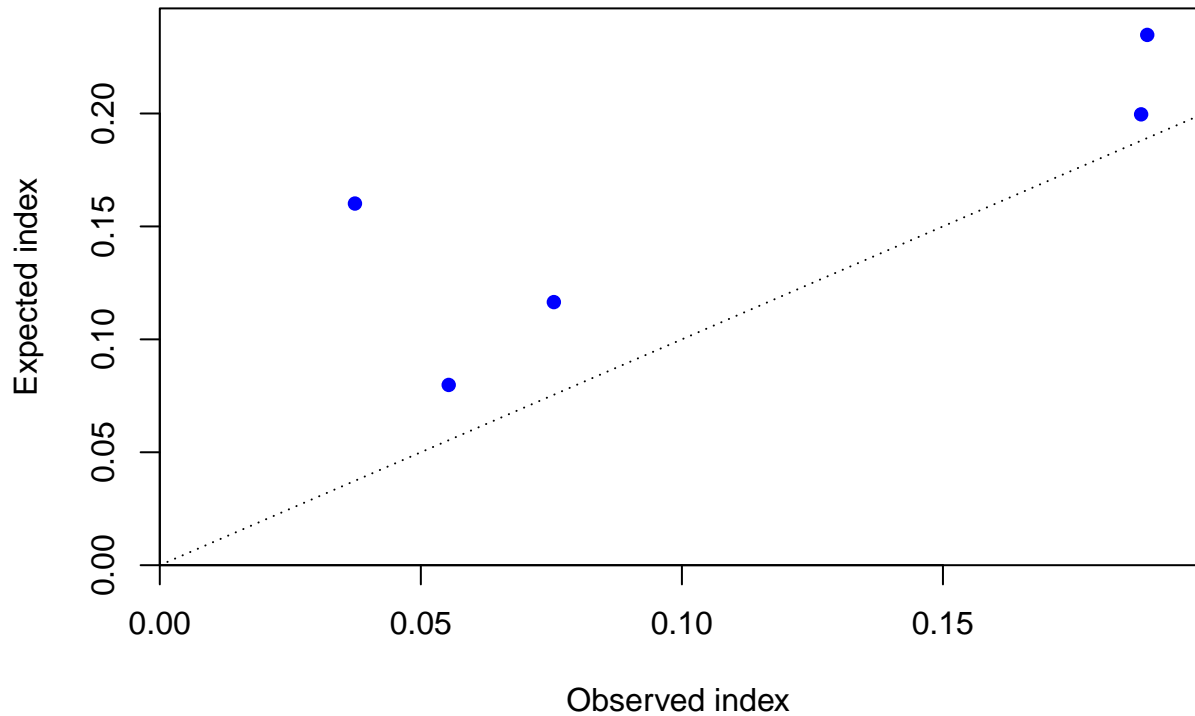
Index



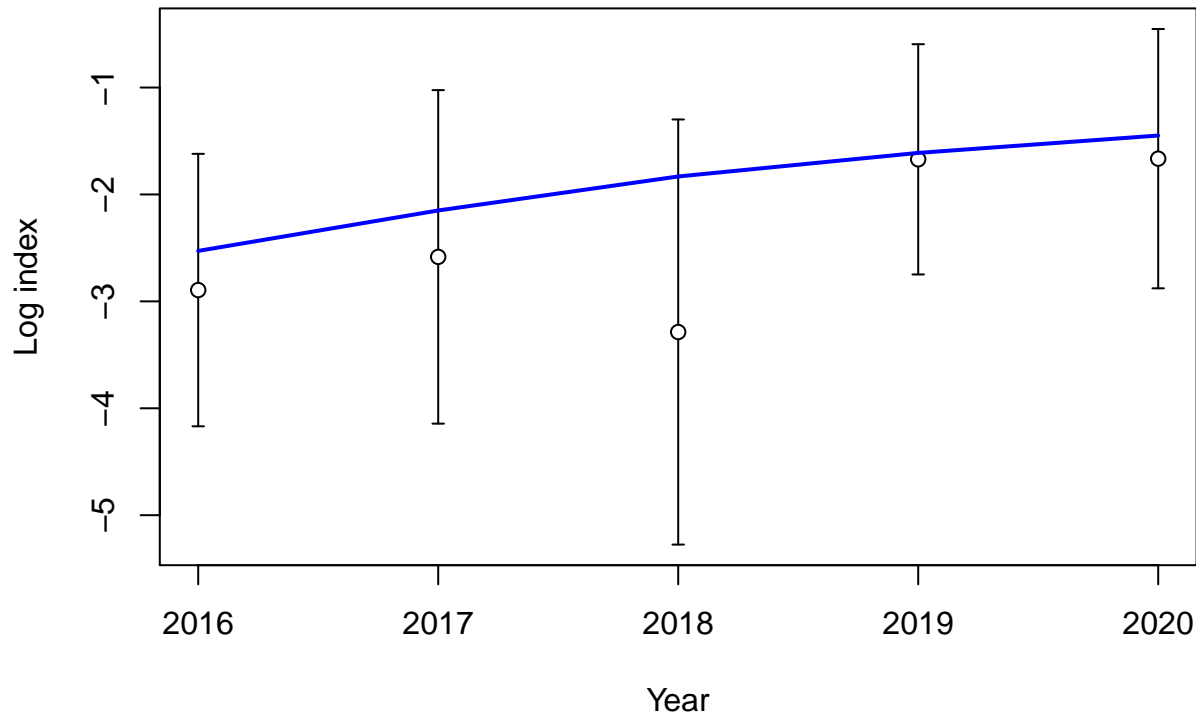
Year

Index

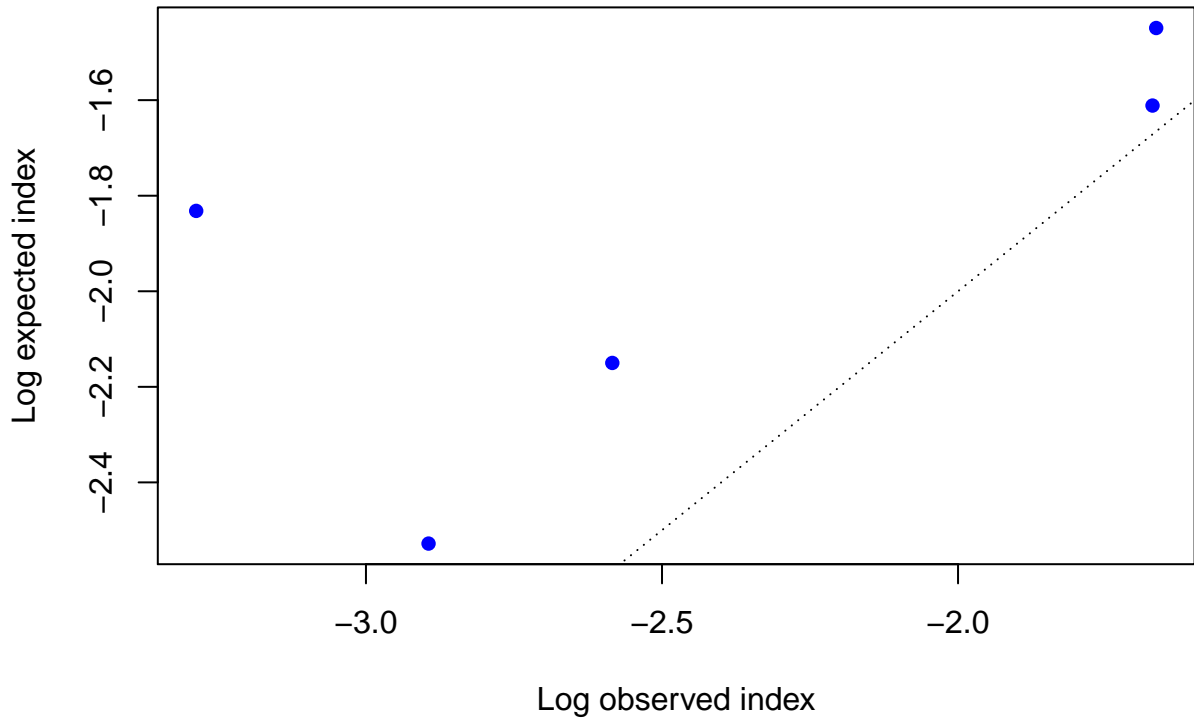


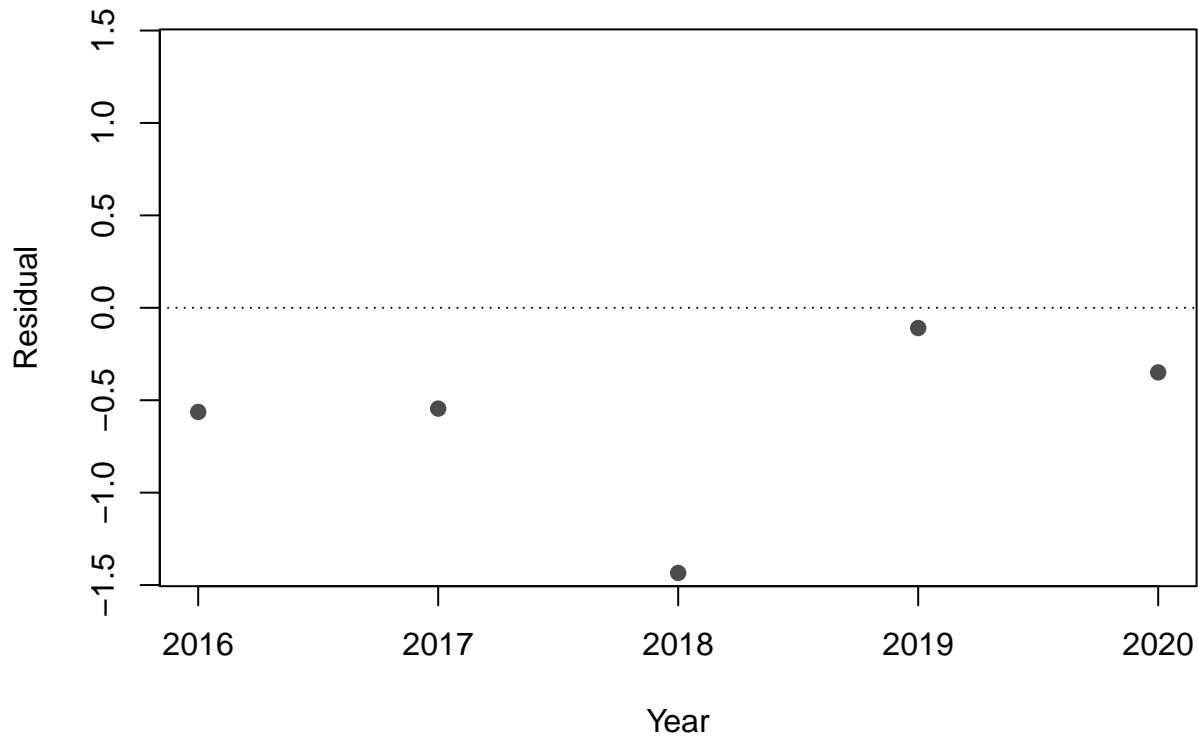


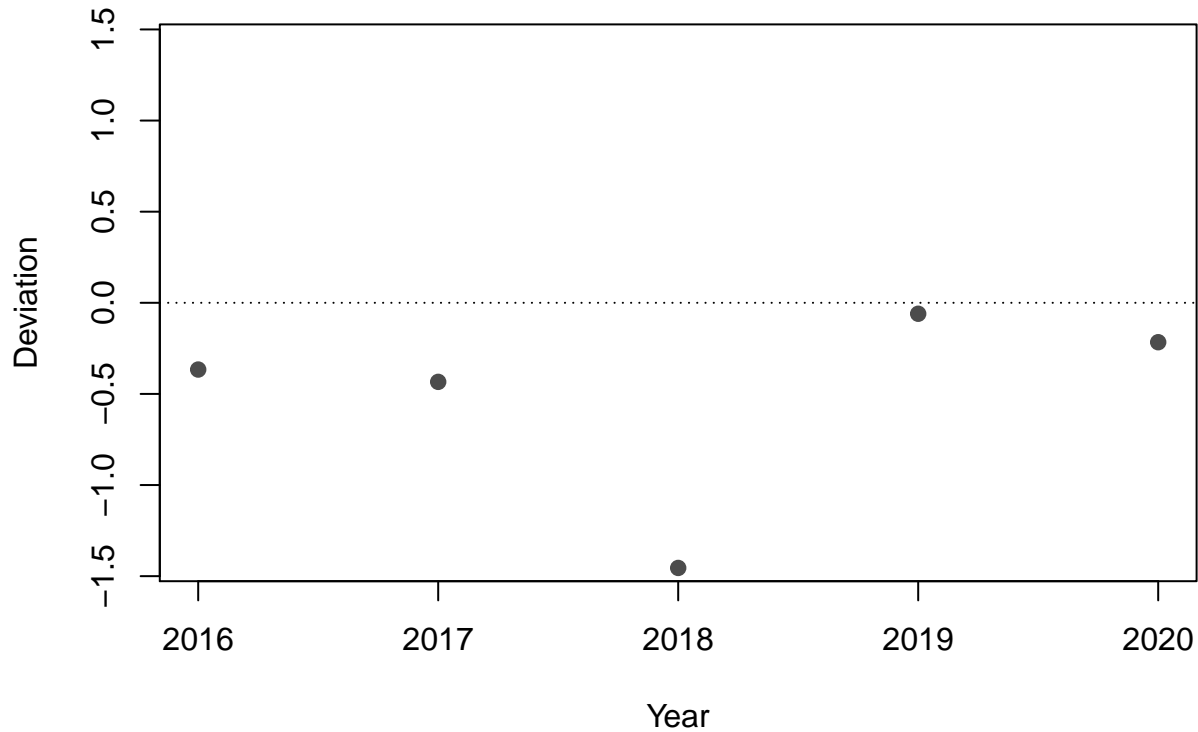






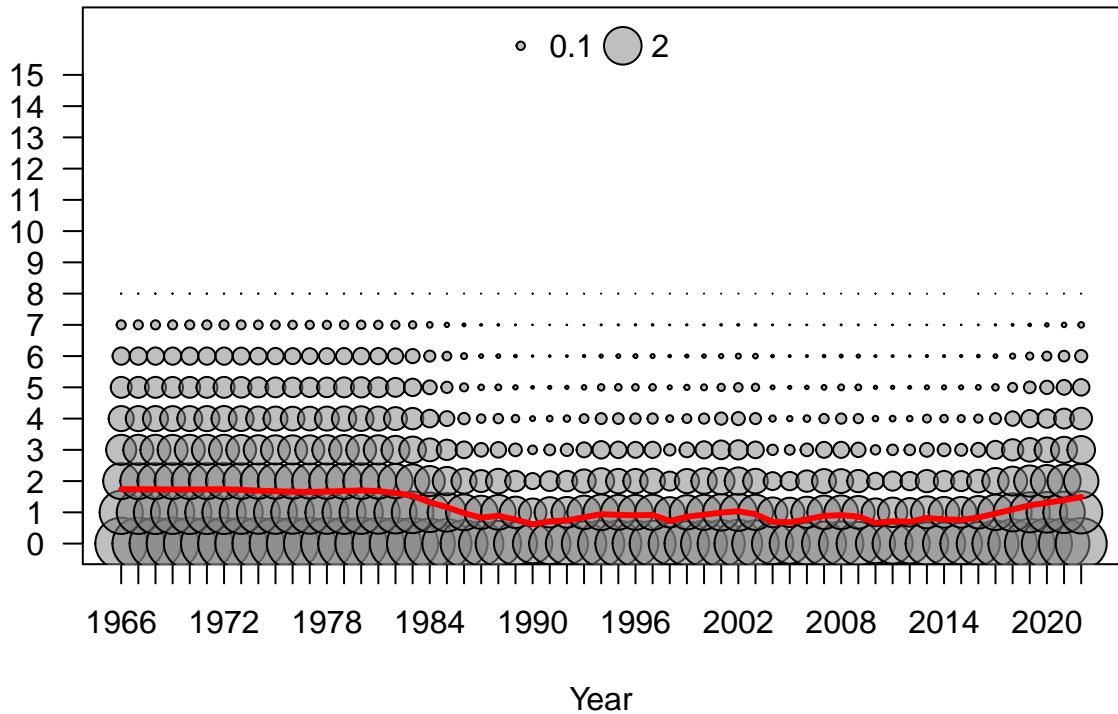


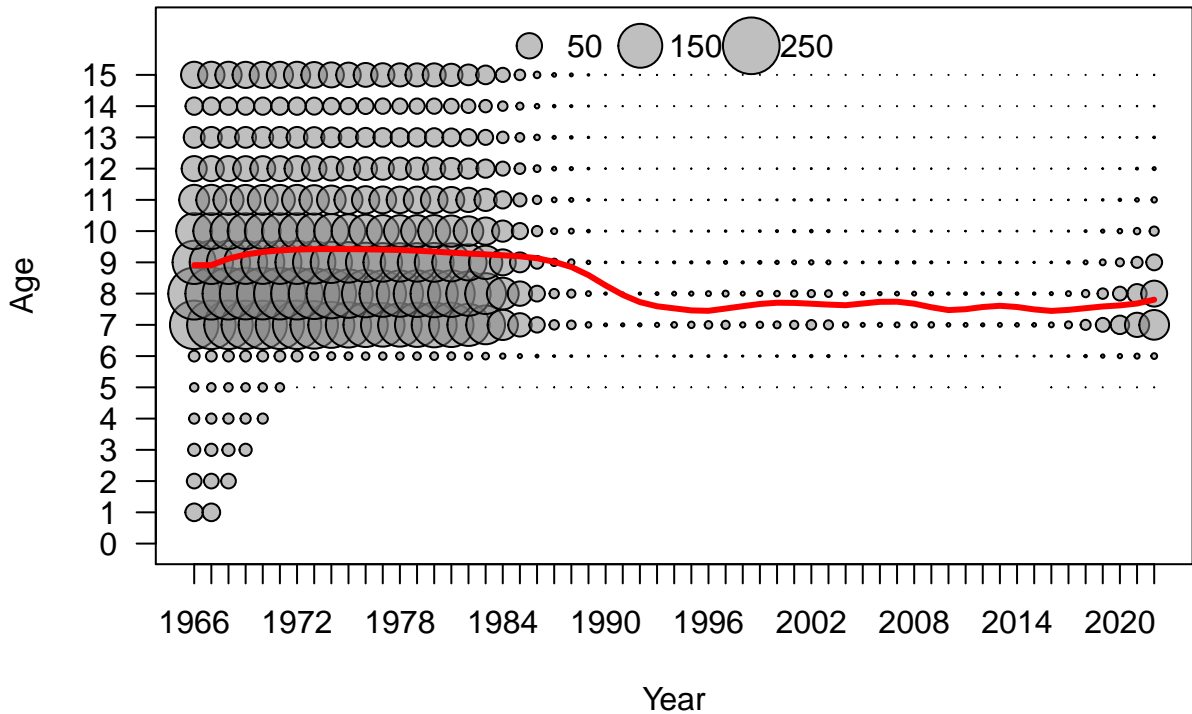


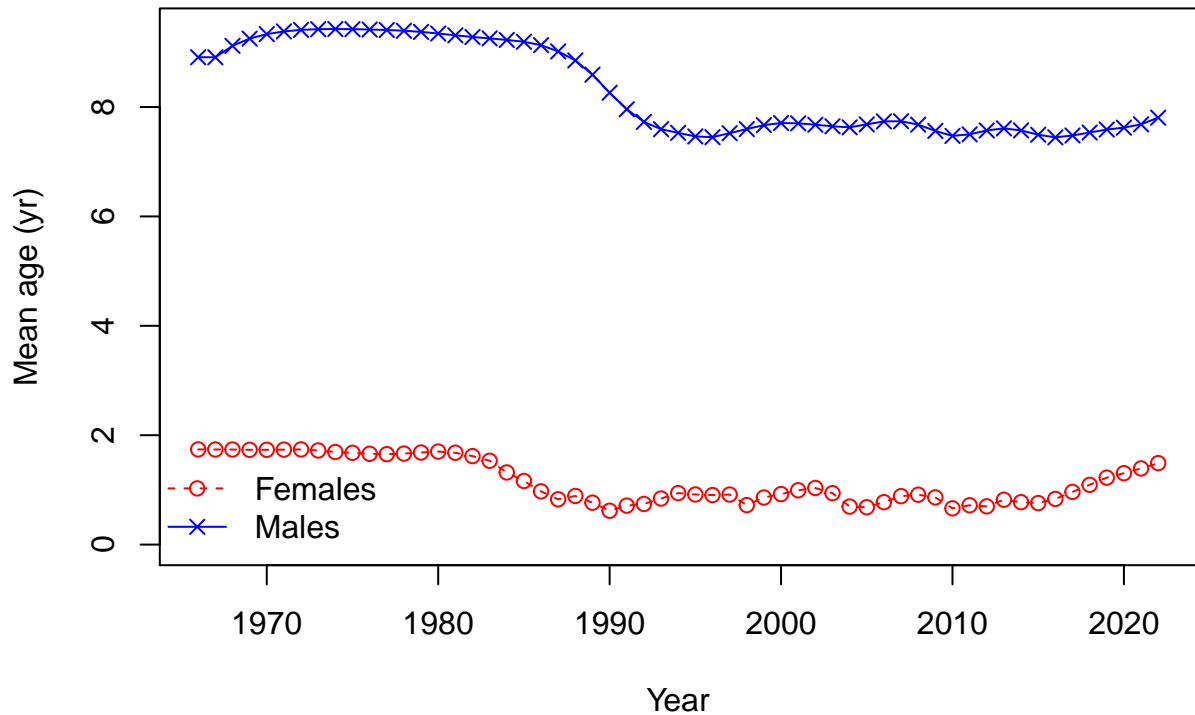




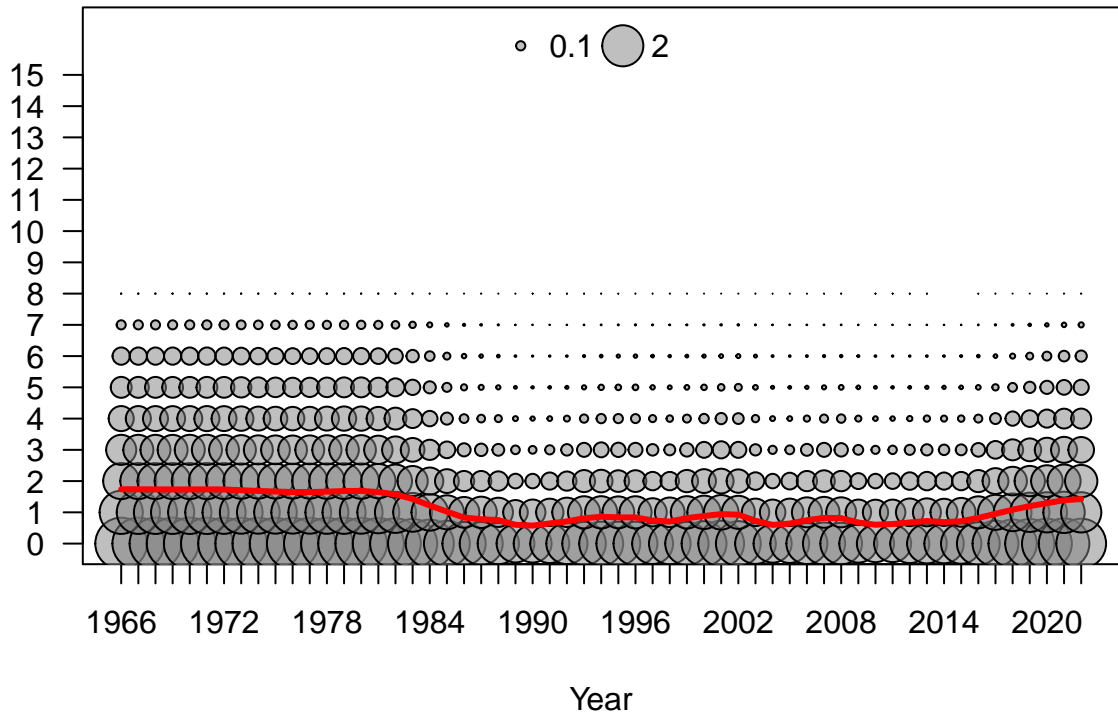
Age



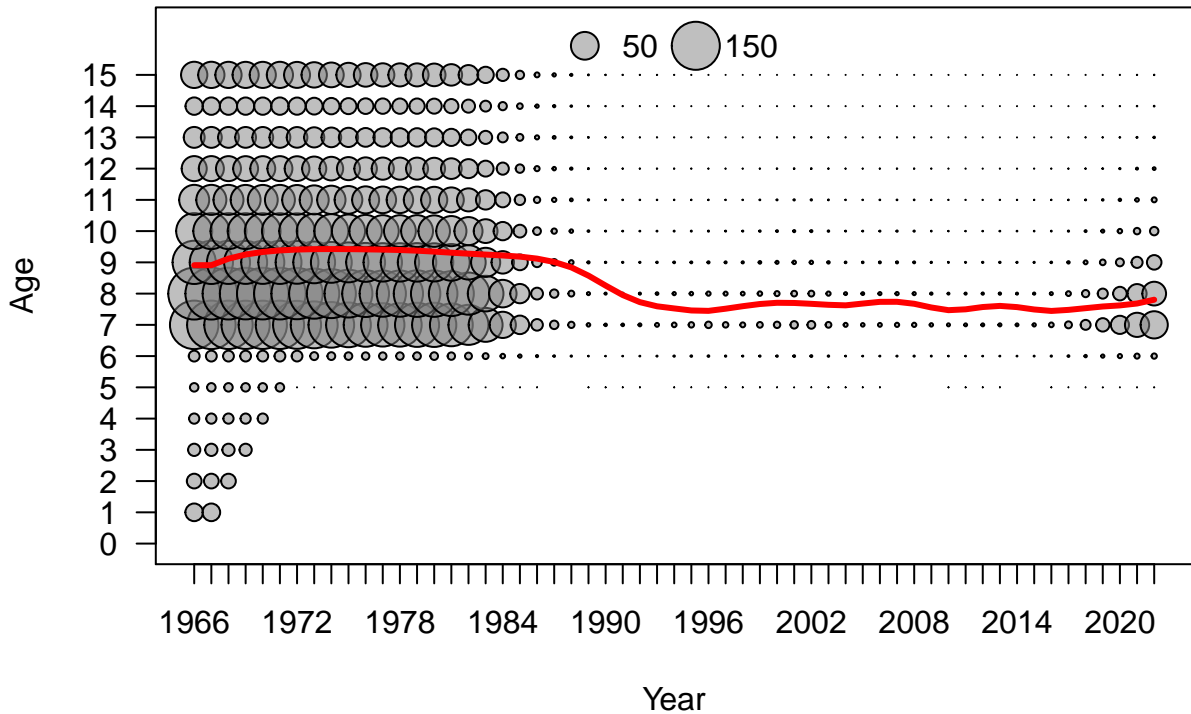


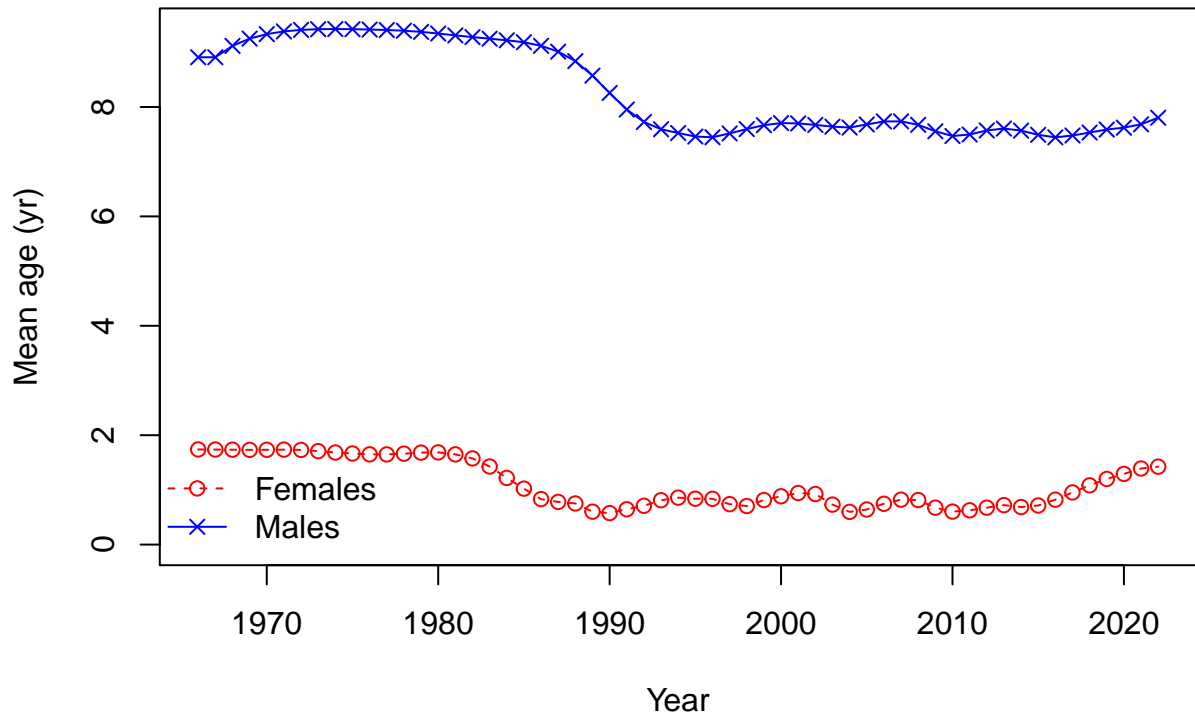


Age









Age

0  
2  
4  
6  
8  
10  
12  
14

1970

1980

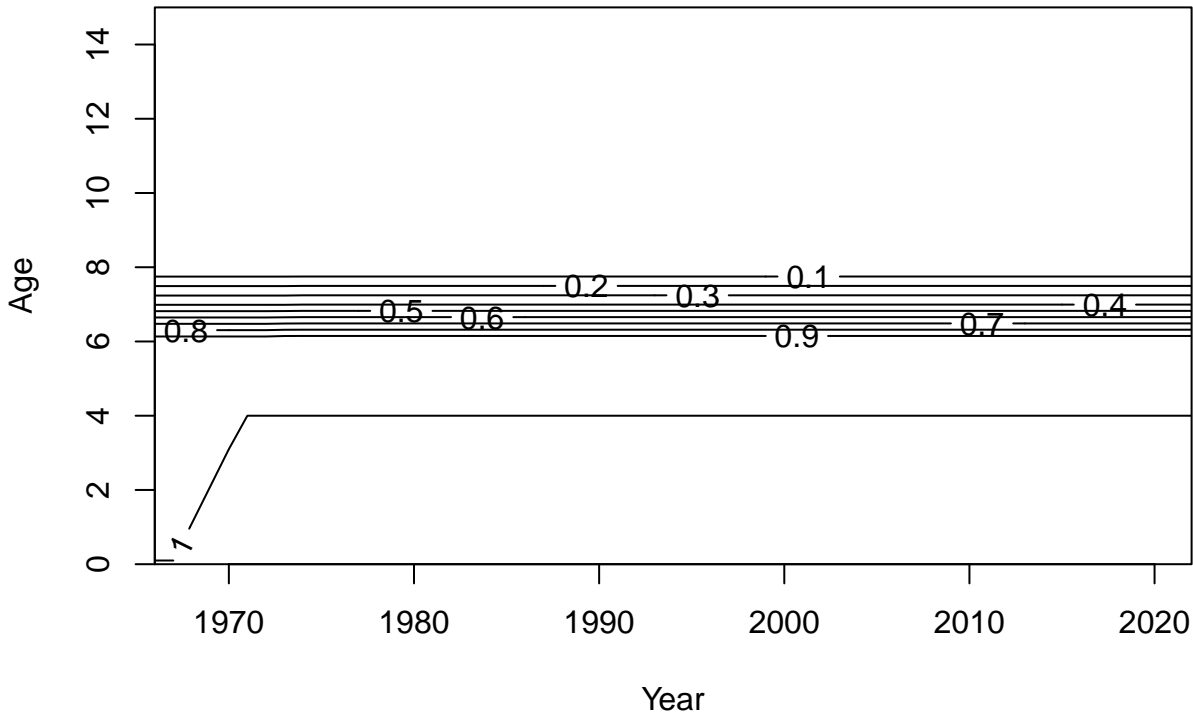
1990

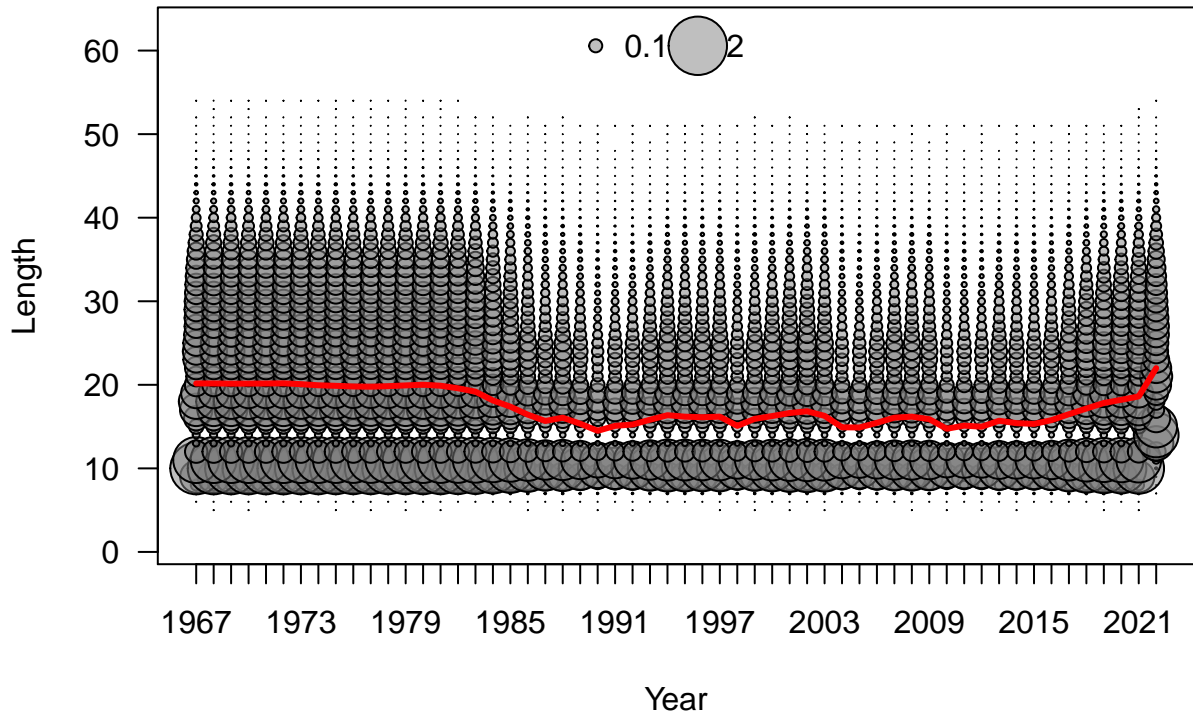
2000

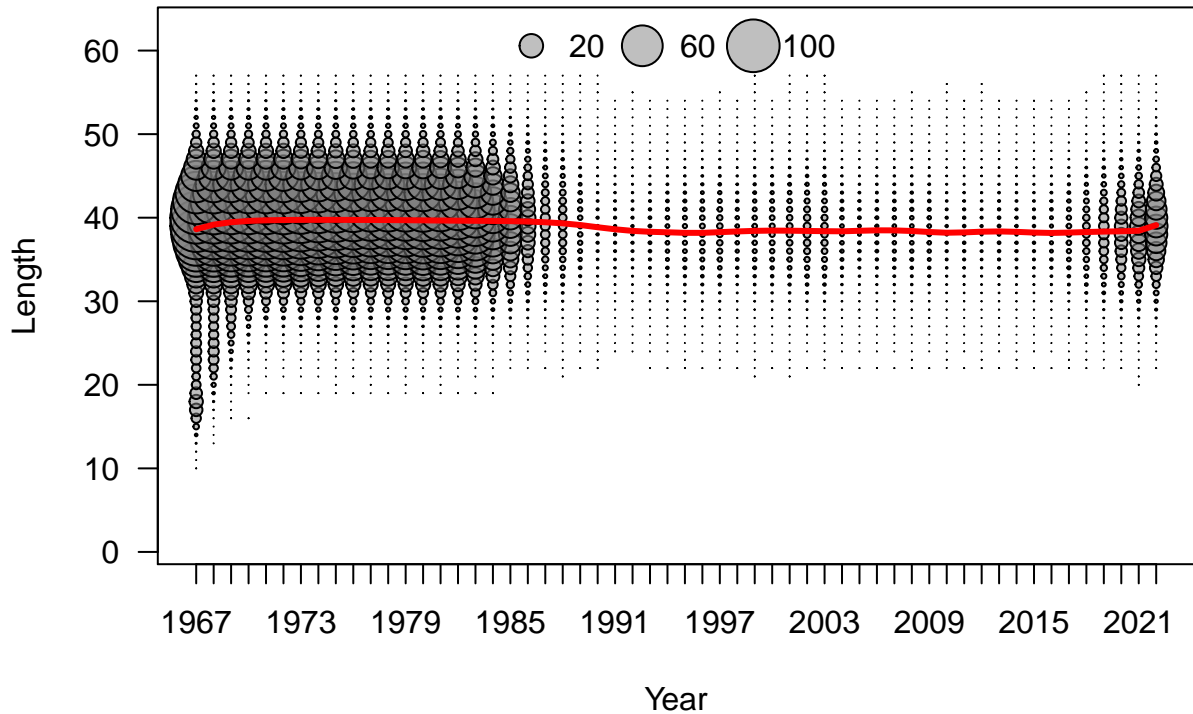
2010

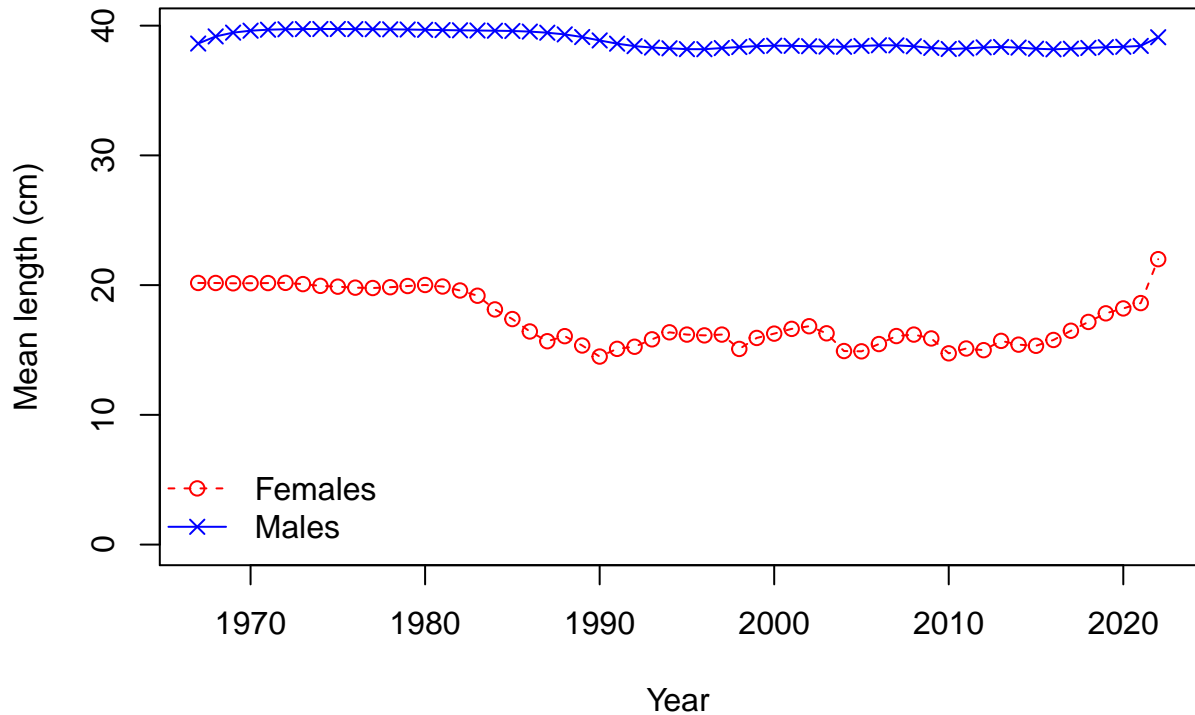
2020

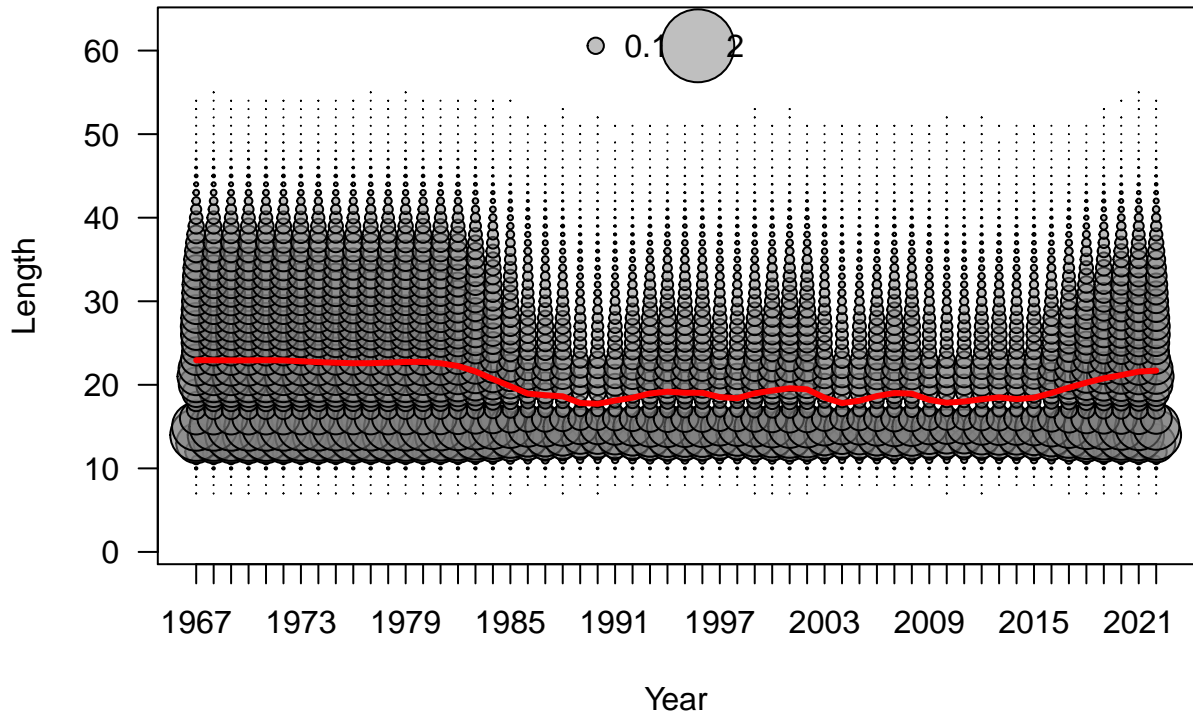
Year

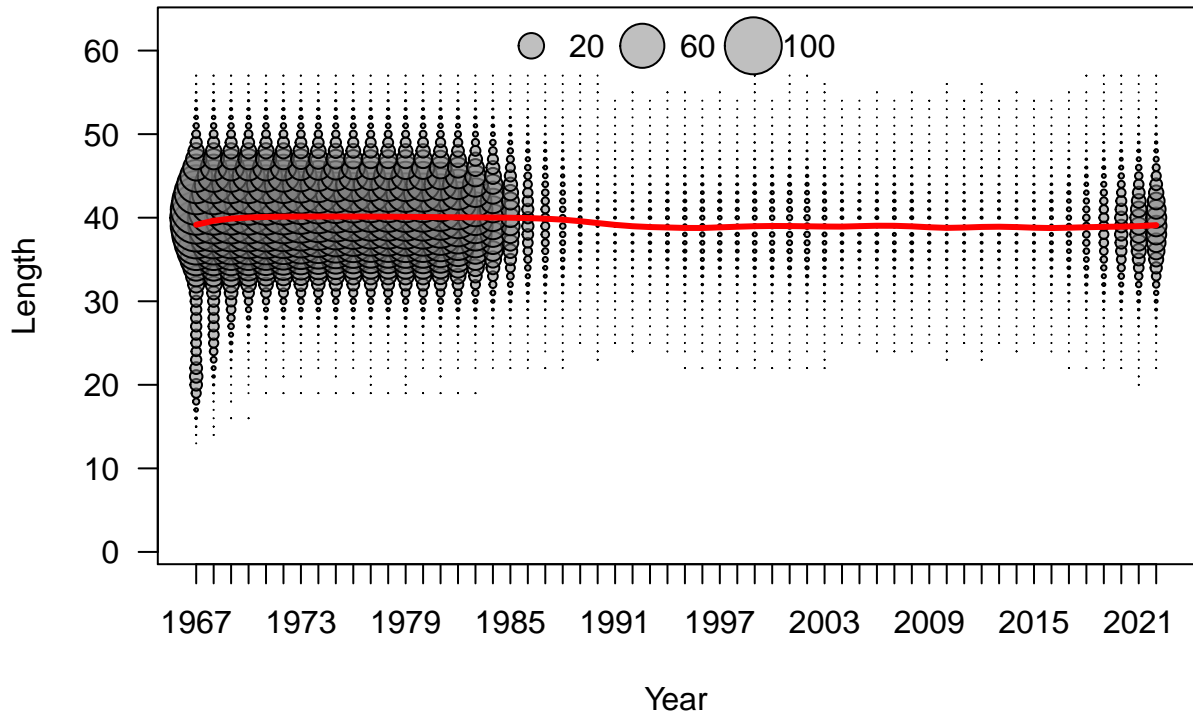




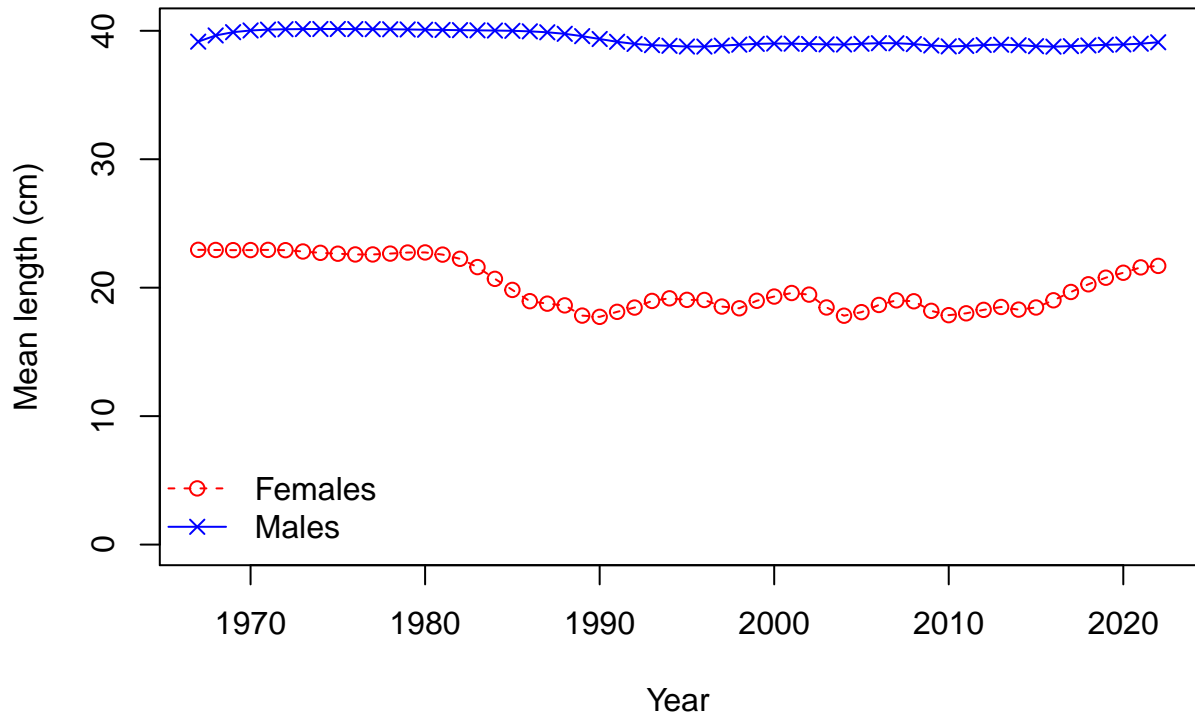




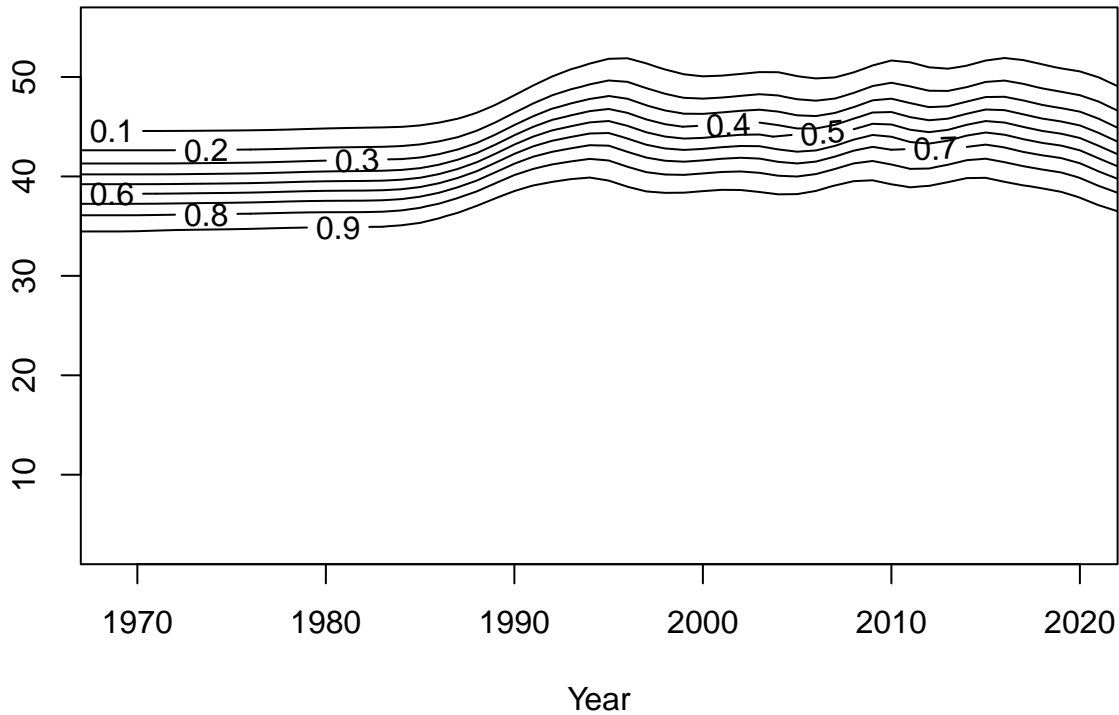


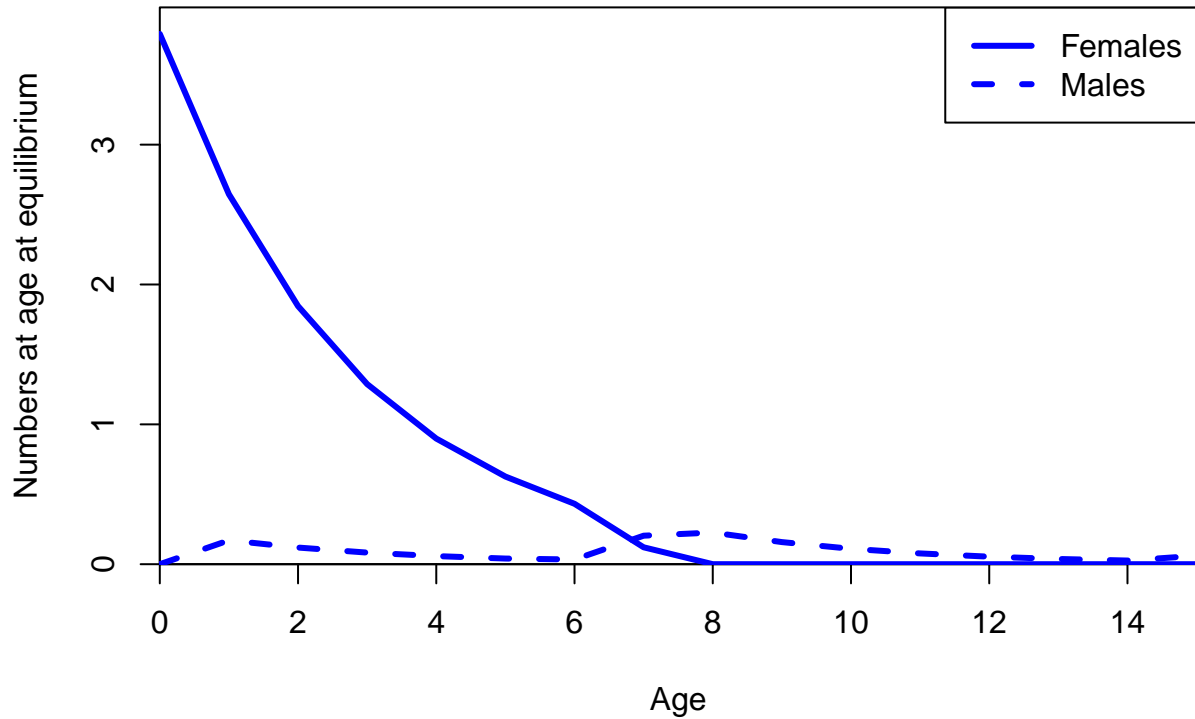


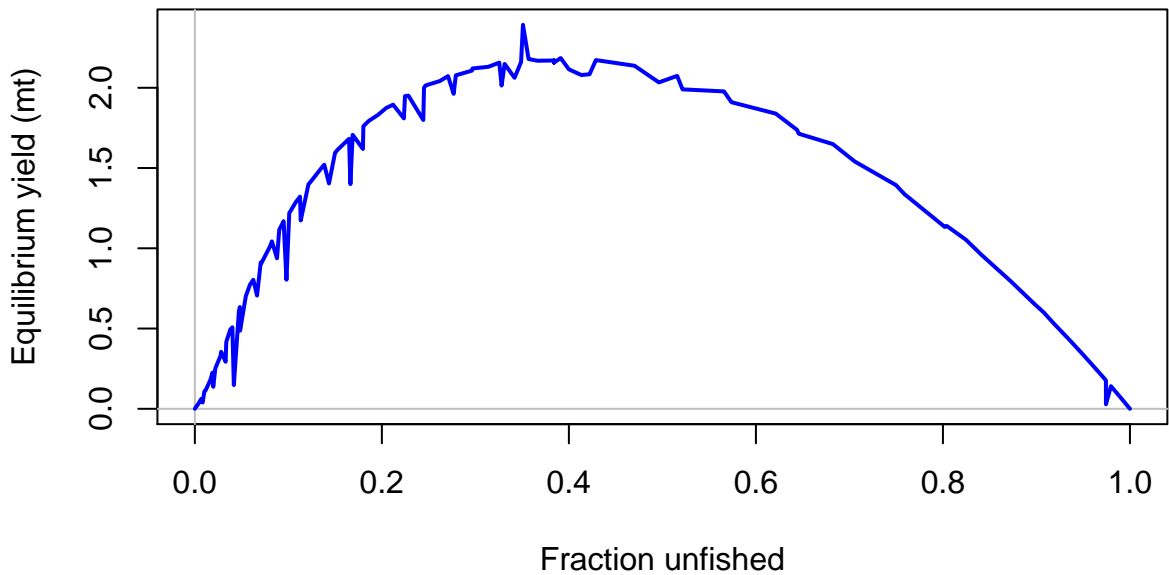


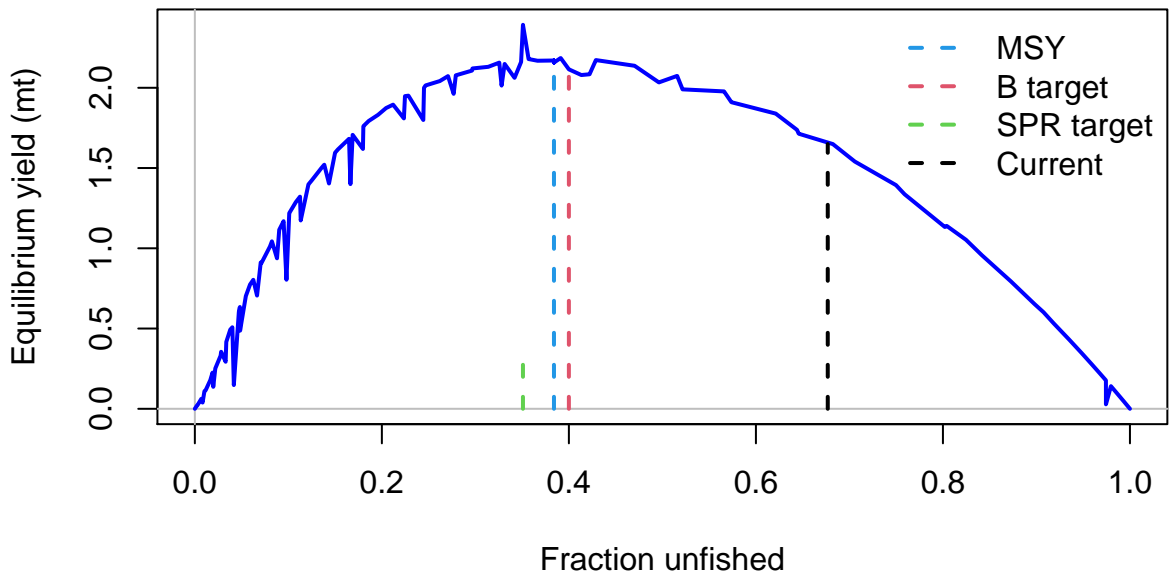


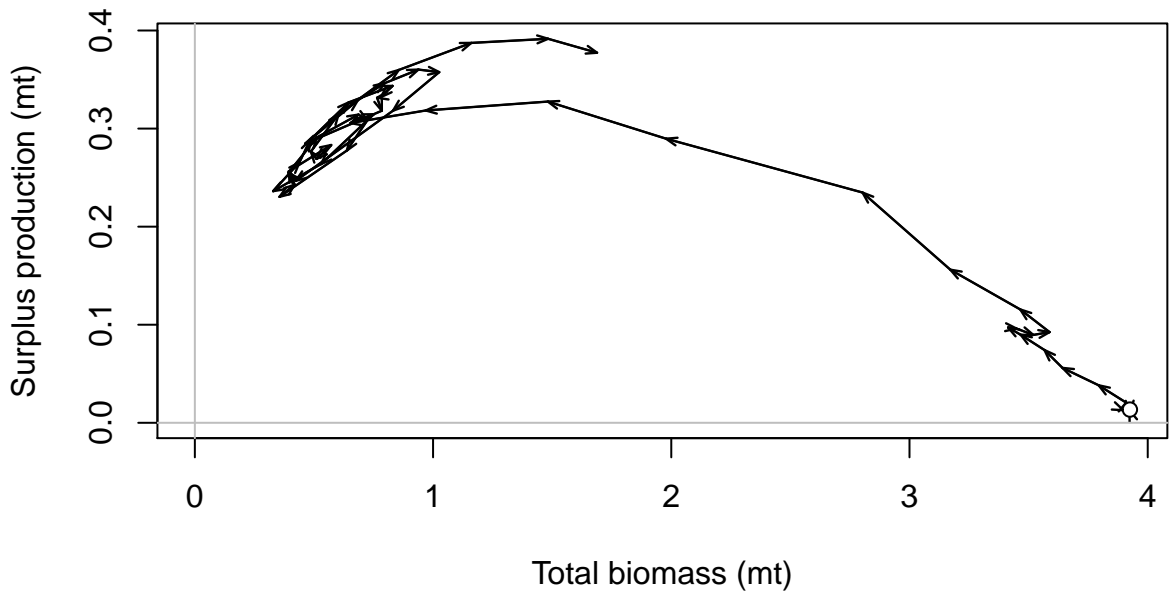
Length

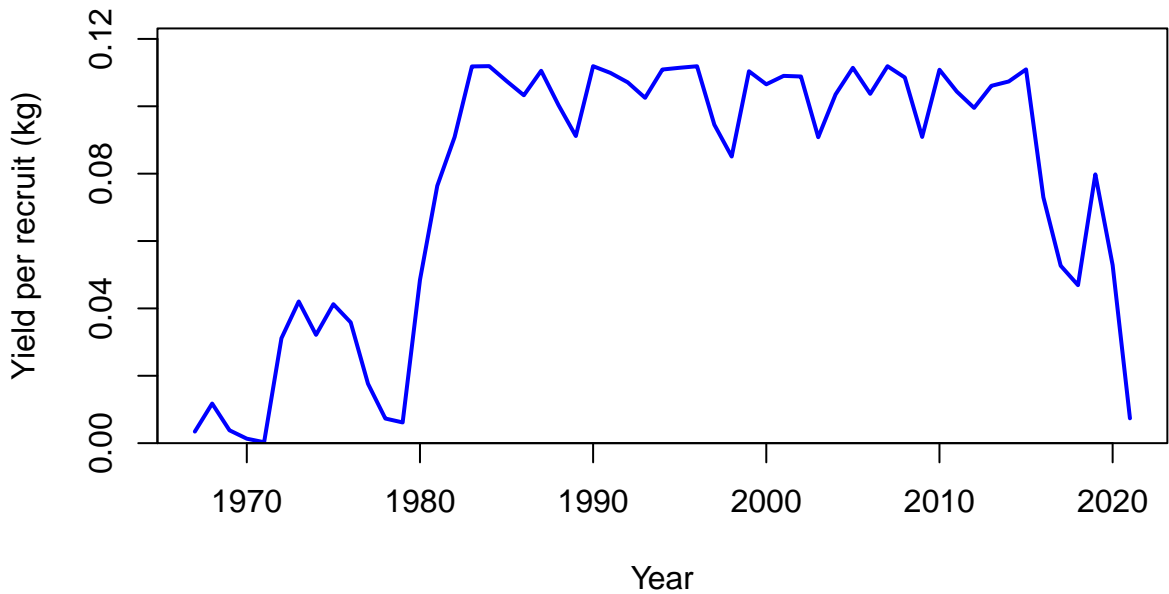


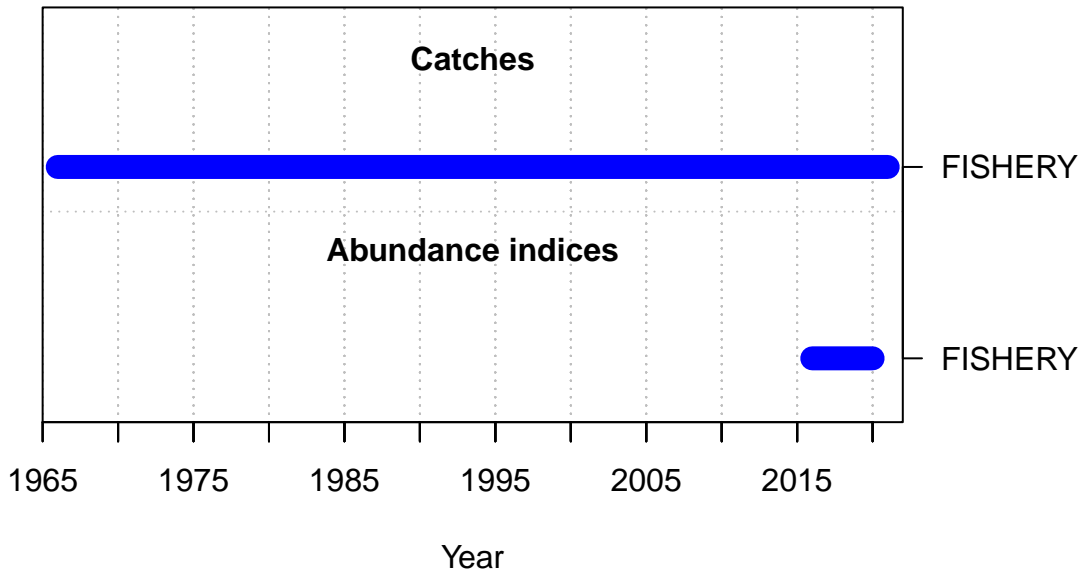




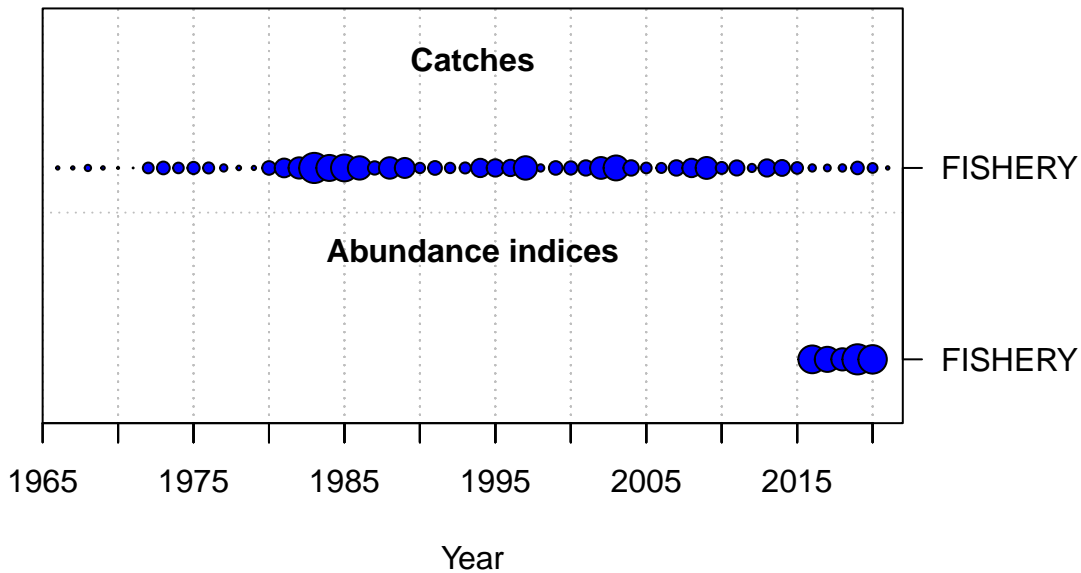










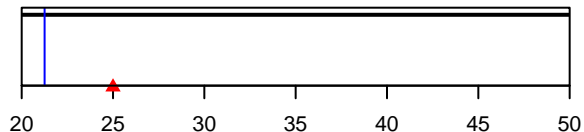


Density

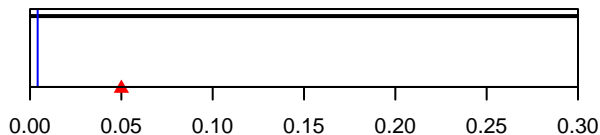
SR\_LN(R0)



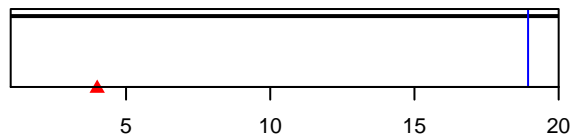
Size\_inflection\_FISHERY(1)



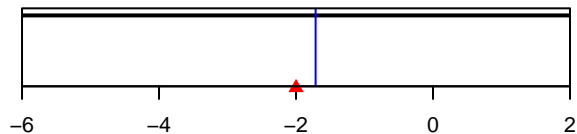
InitF\_seas\_1\_flt\_1FISHERY



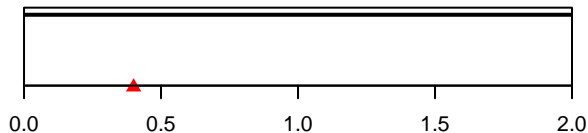
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LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value