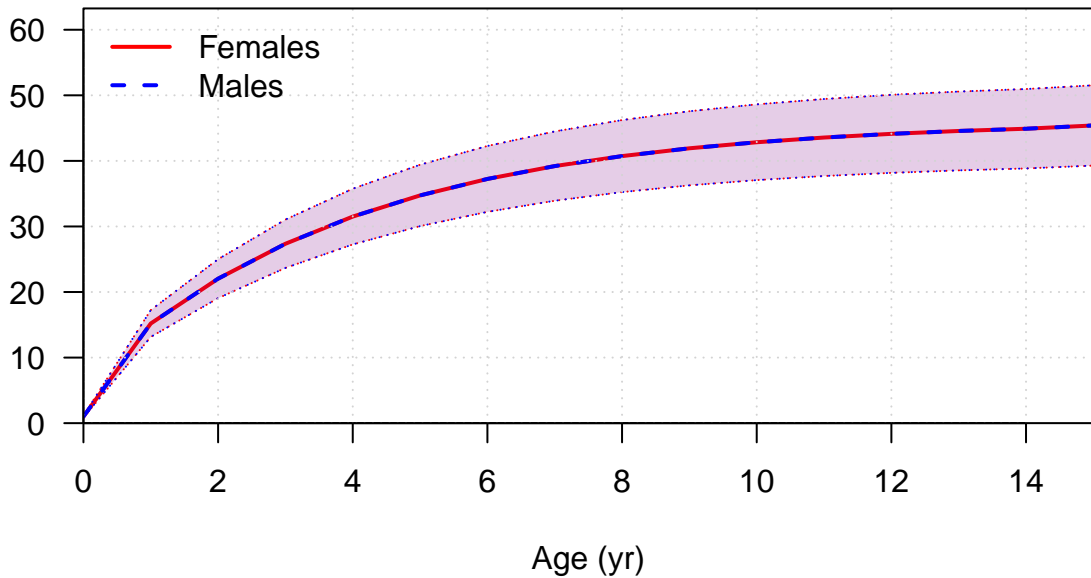
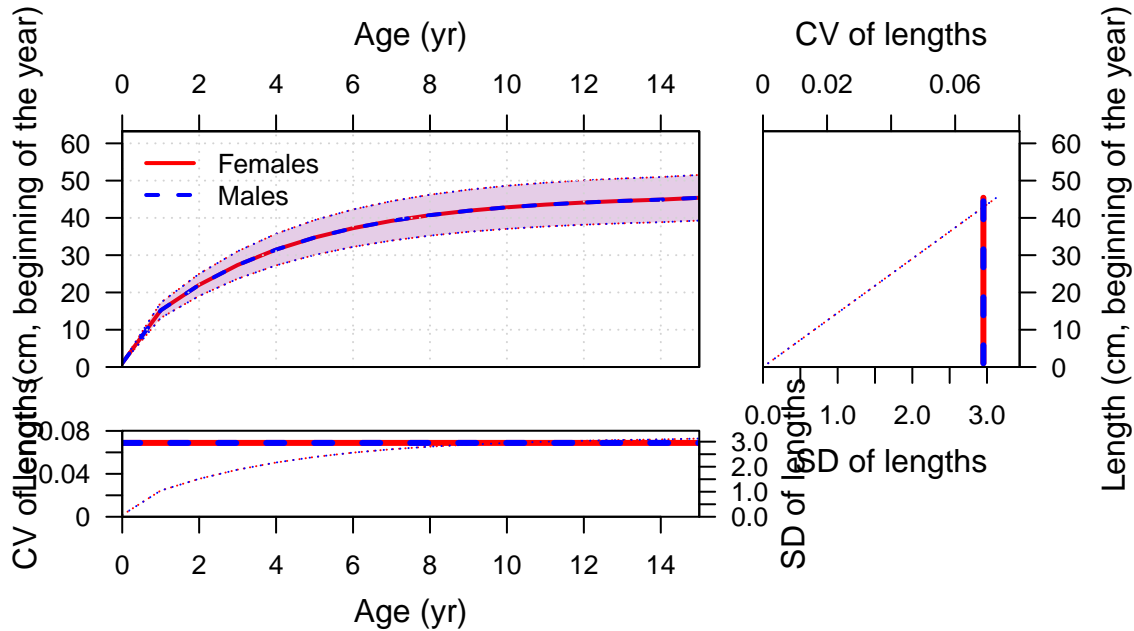
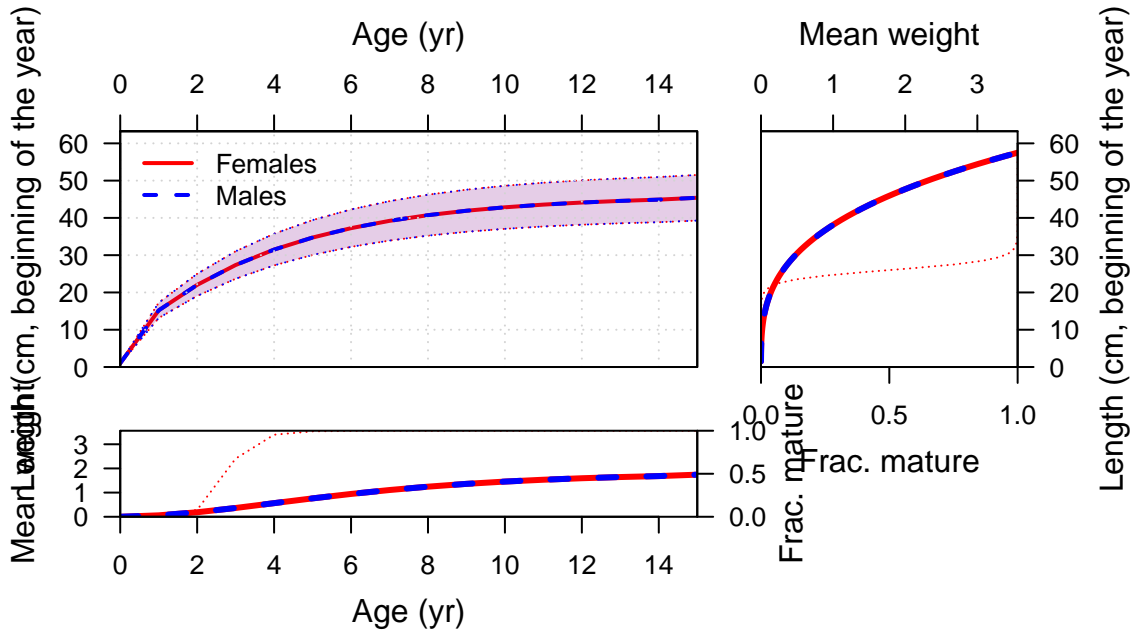


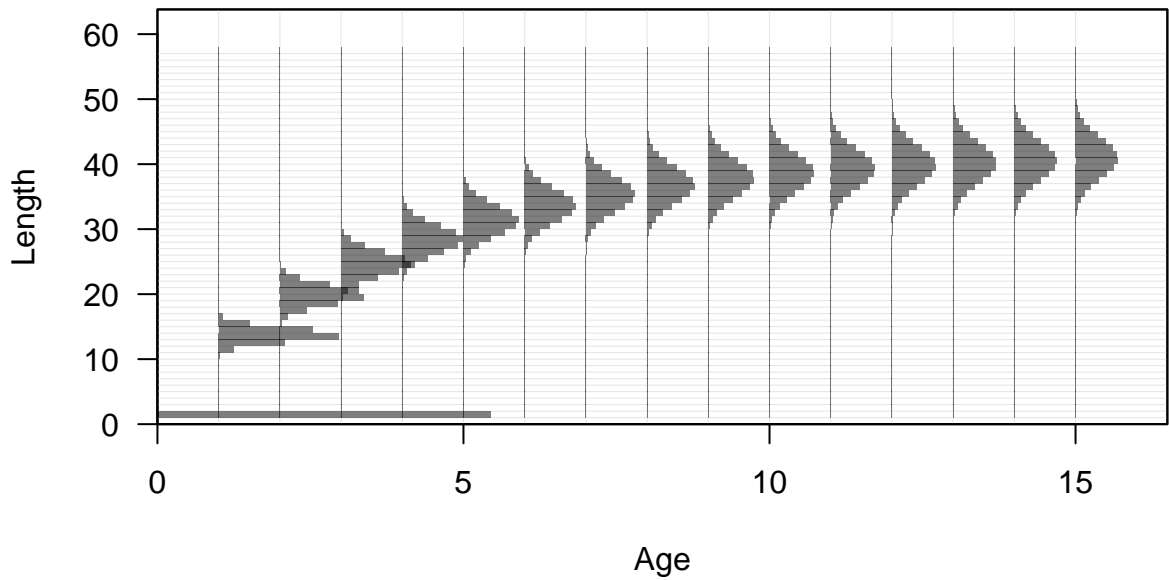
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Tue Jan 24 11:46:24 2023
Data_File: data.ss
Control_File: control.ss

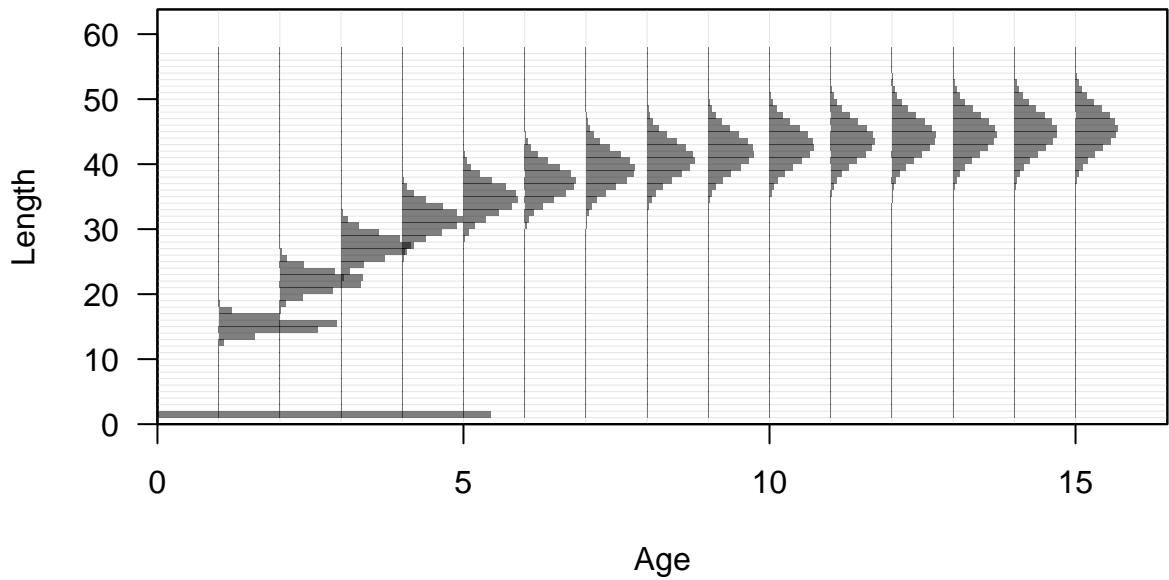
Length (cm, beginning of the year)

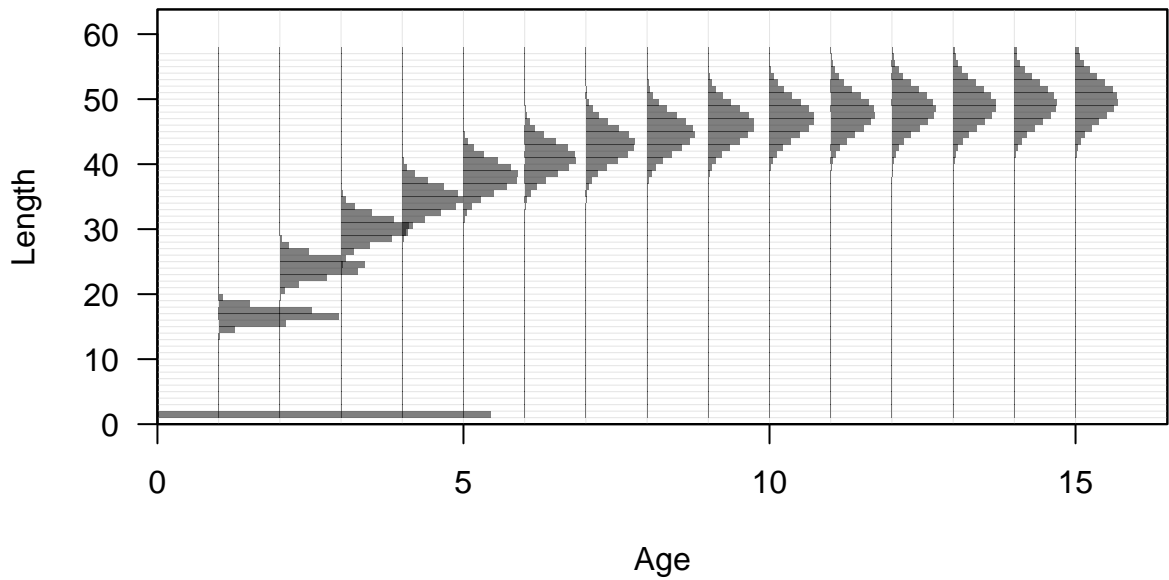


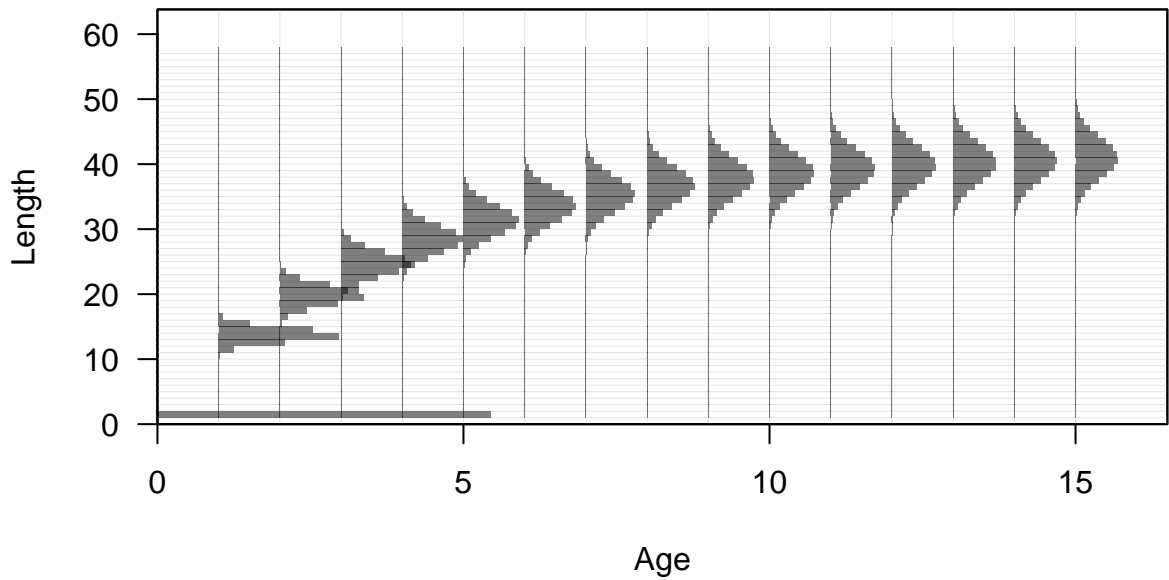


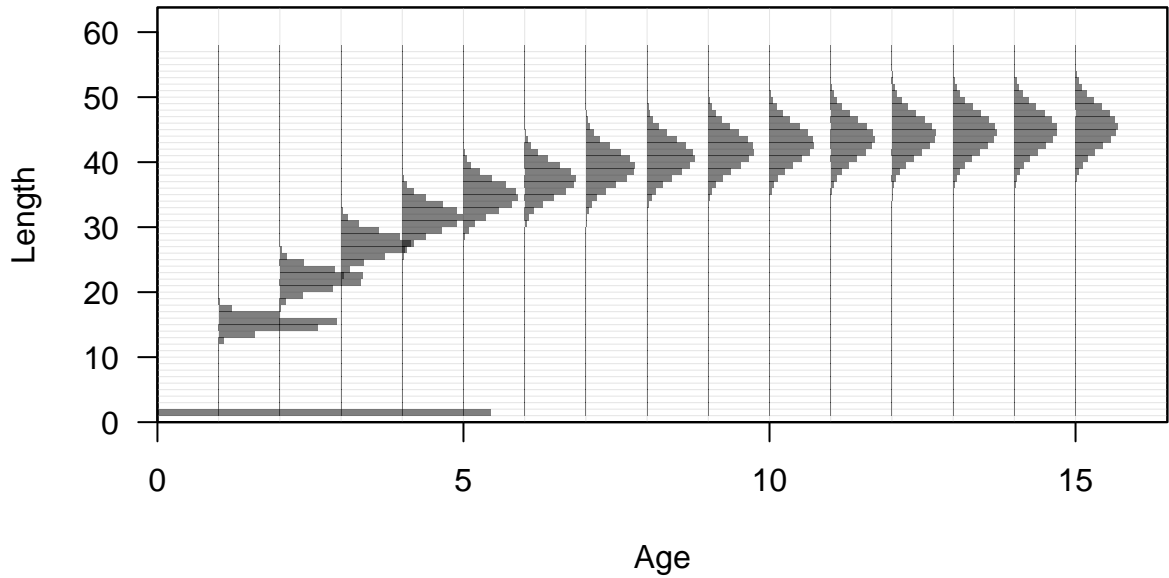


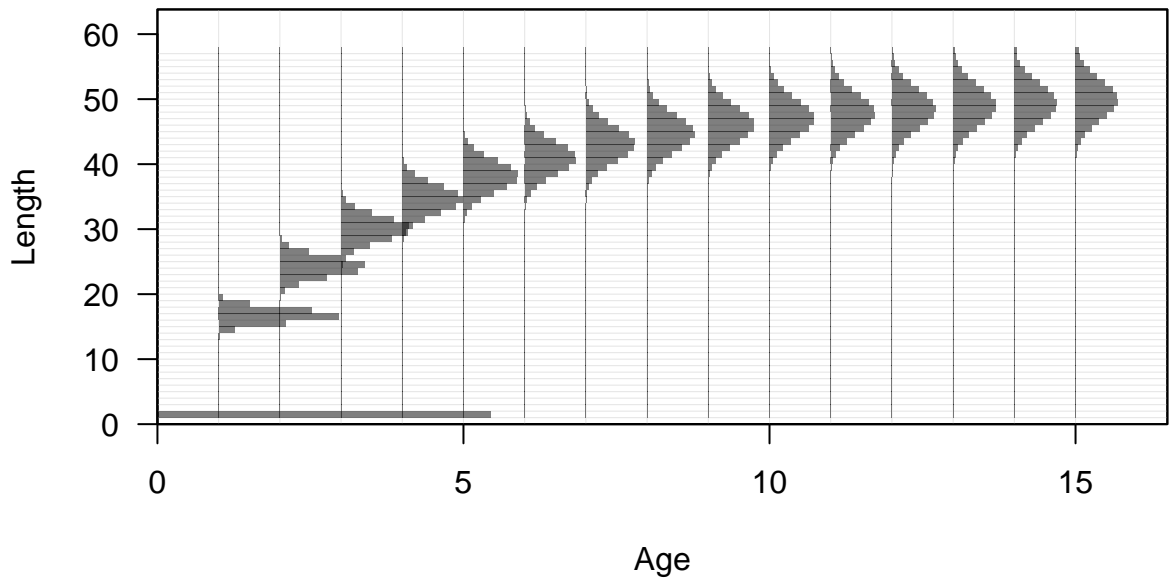


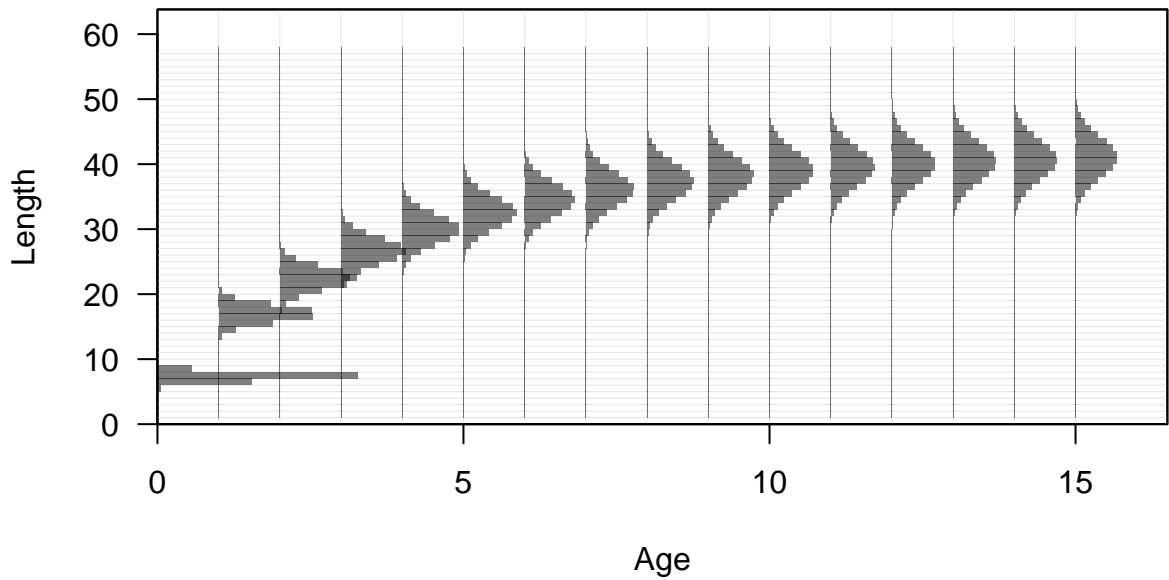


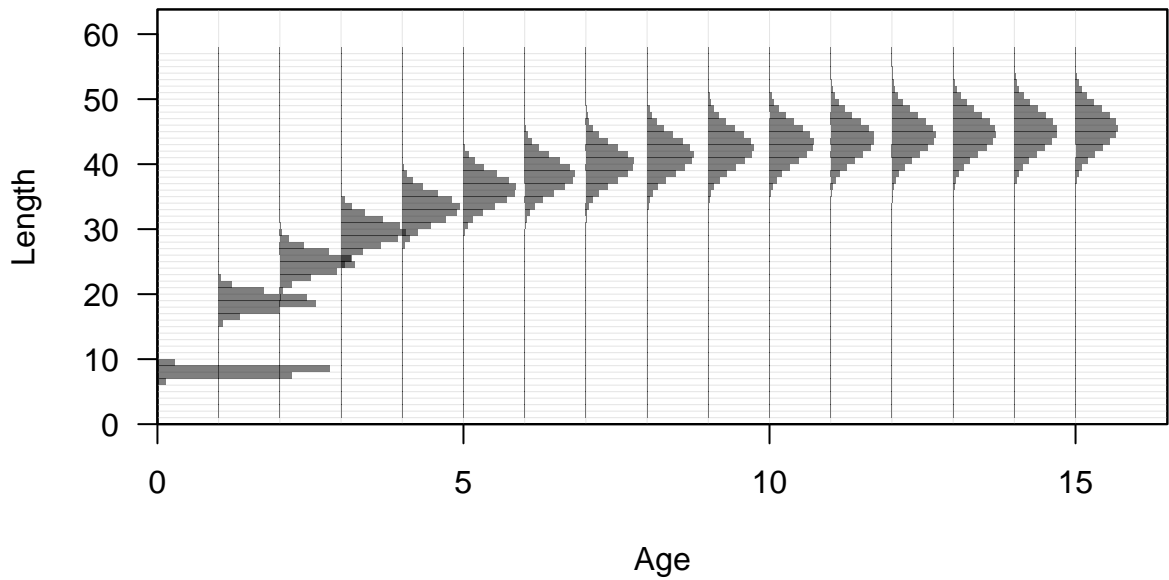


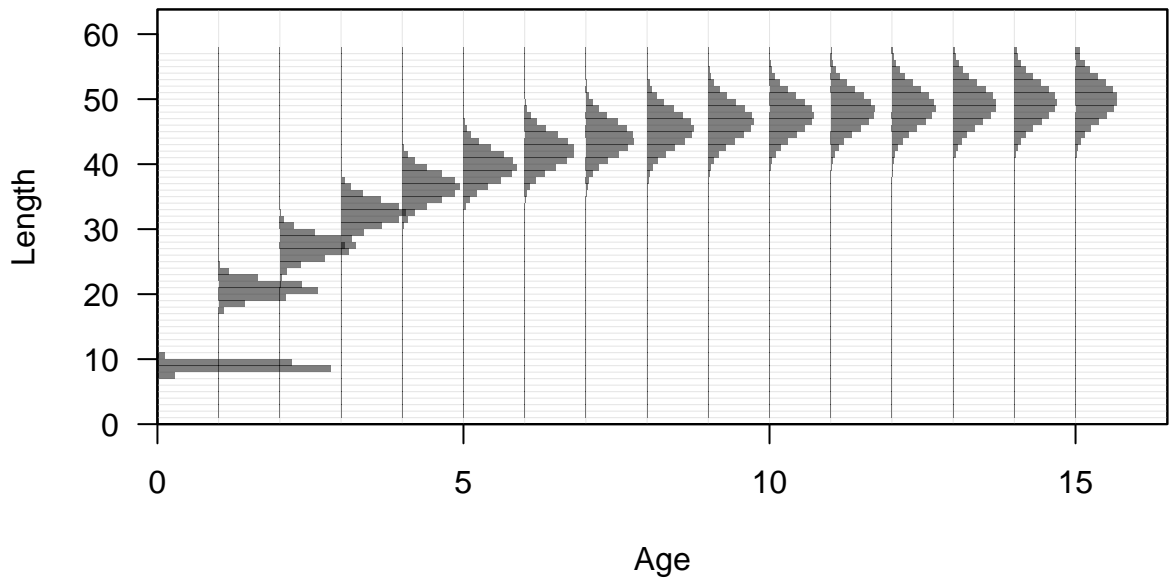


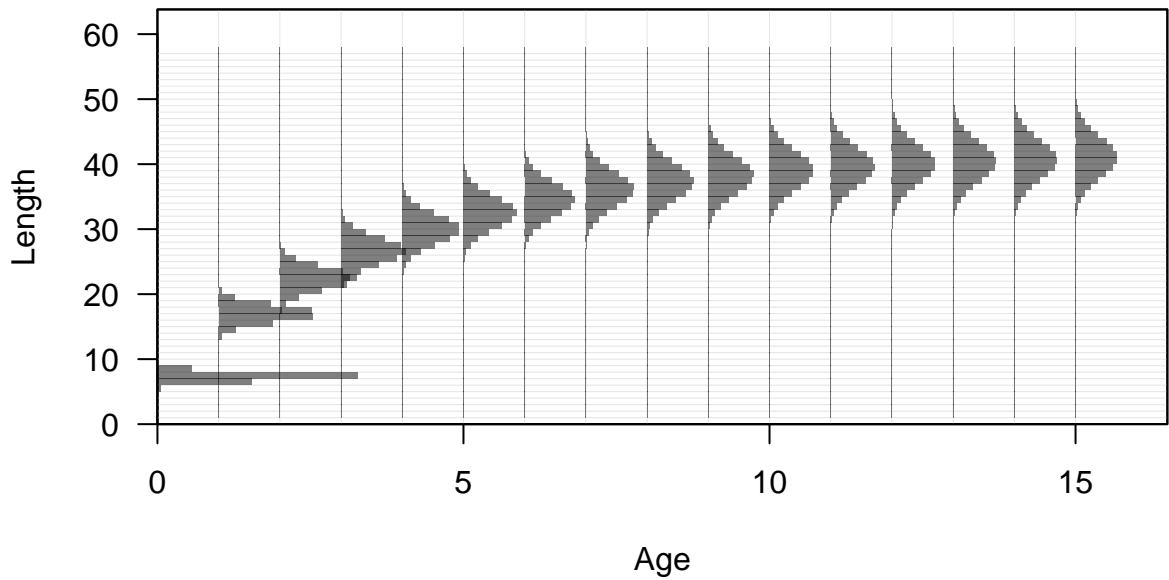


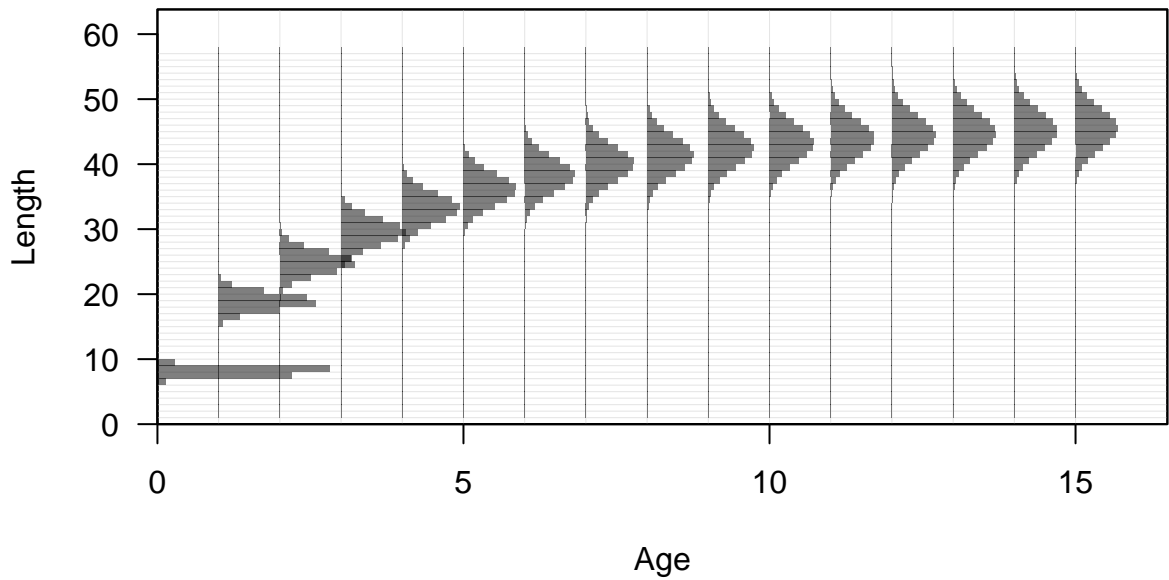


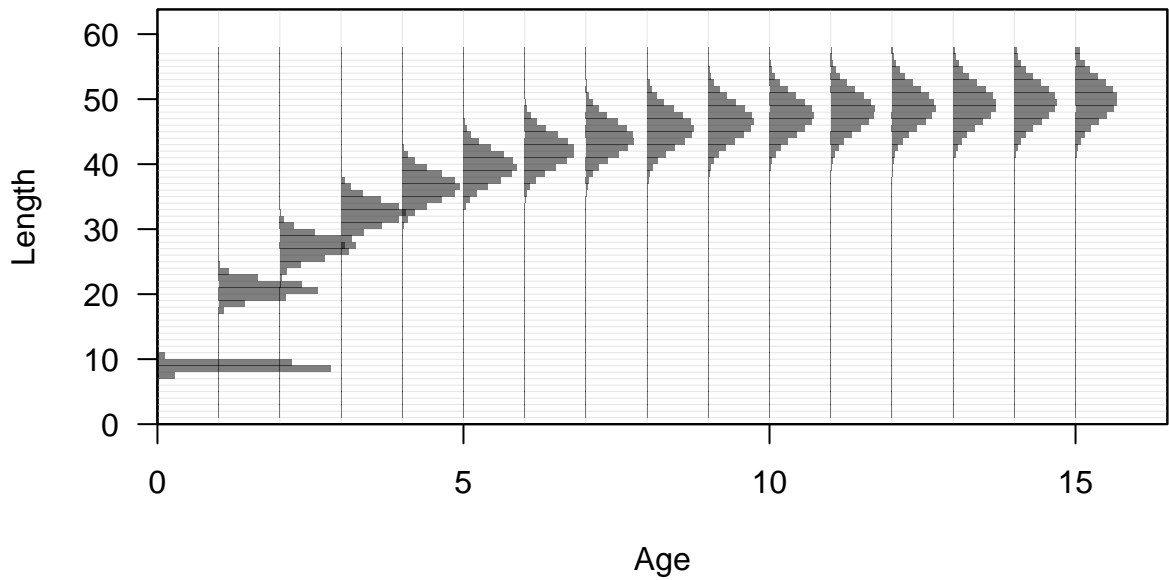








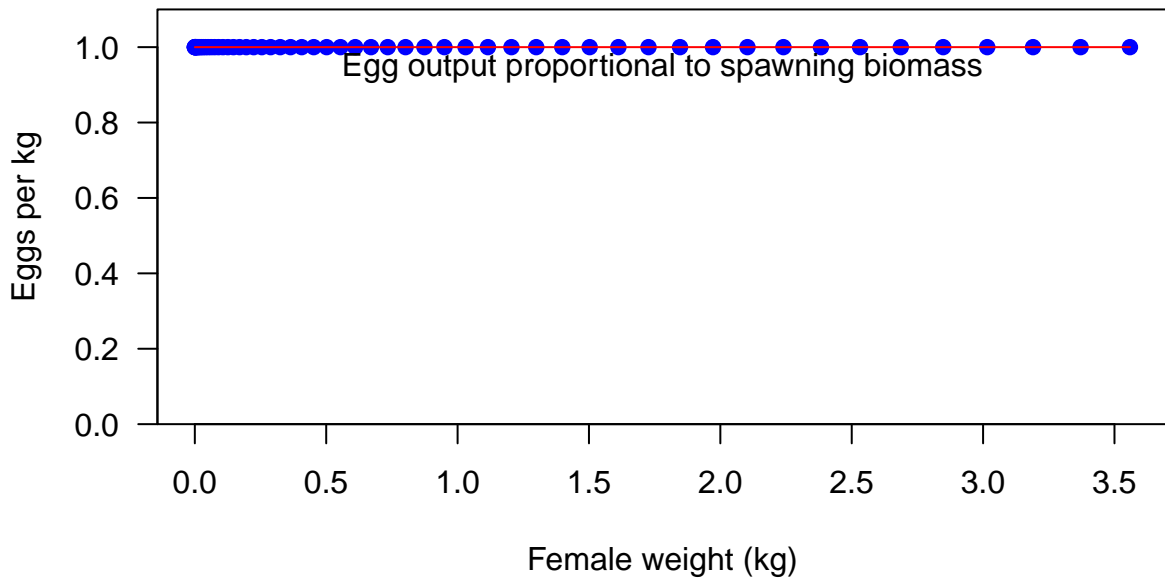












Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

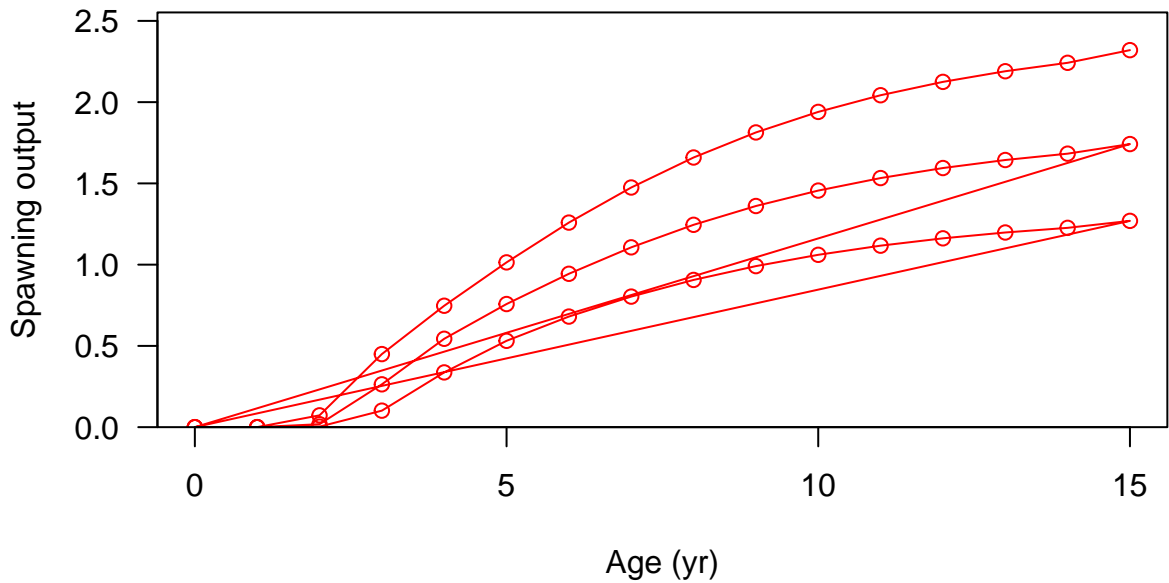
30

40

50

Length (cm)

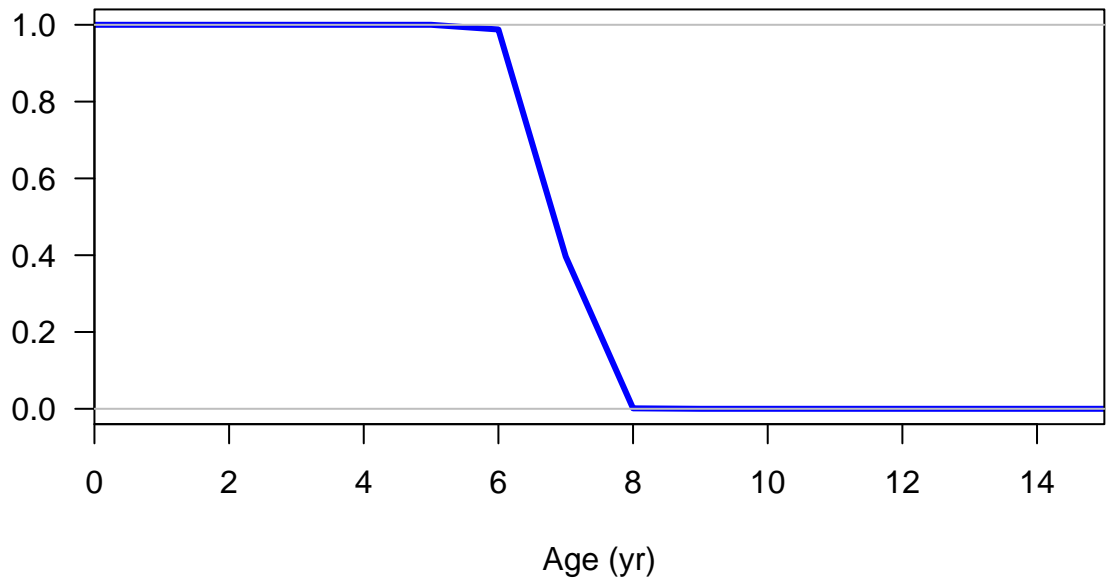




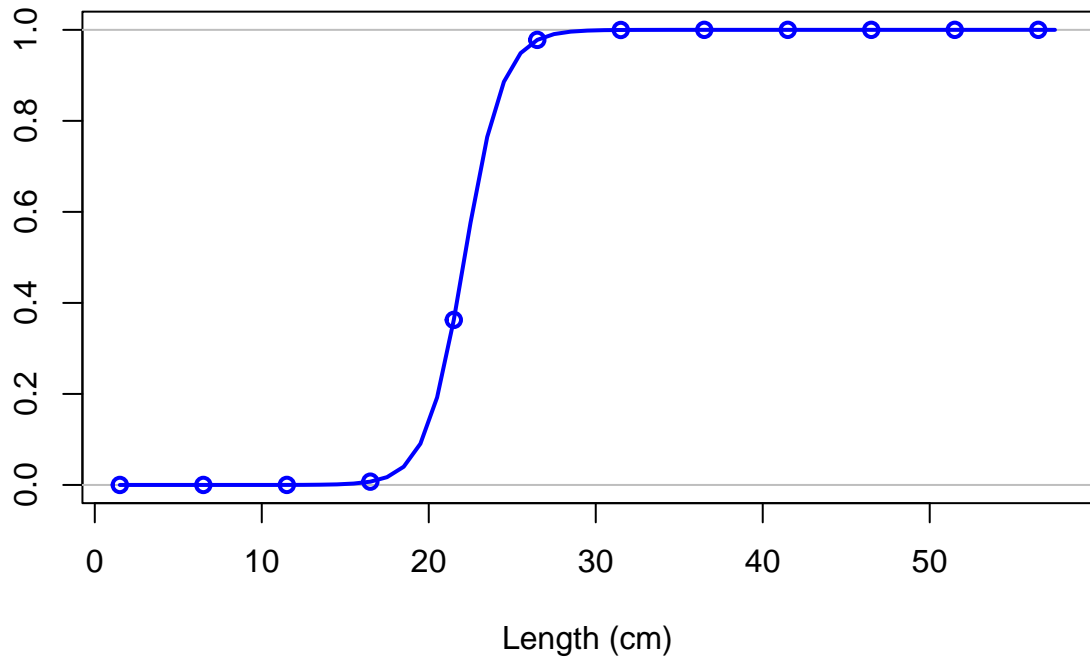
Hermaphroditism transition rate



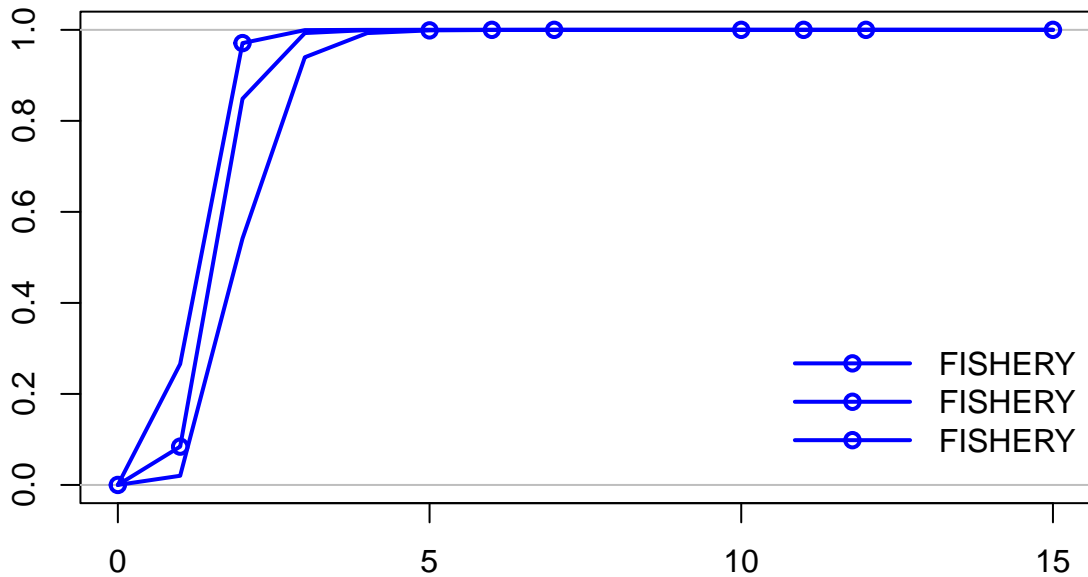
Fraction females by age at equilibrium



Selectivity

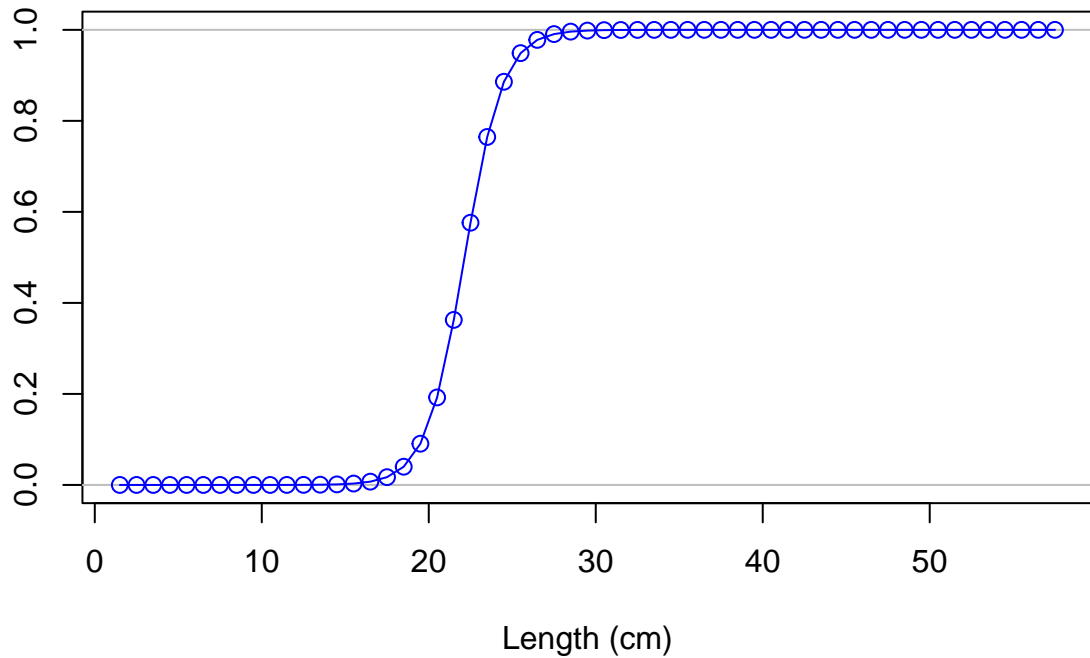


Selectivity

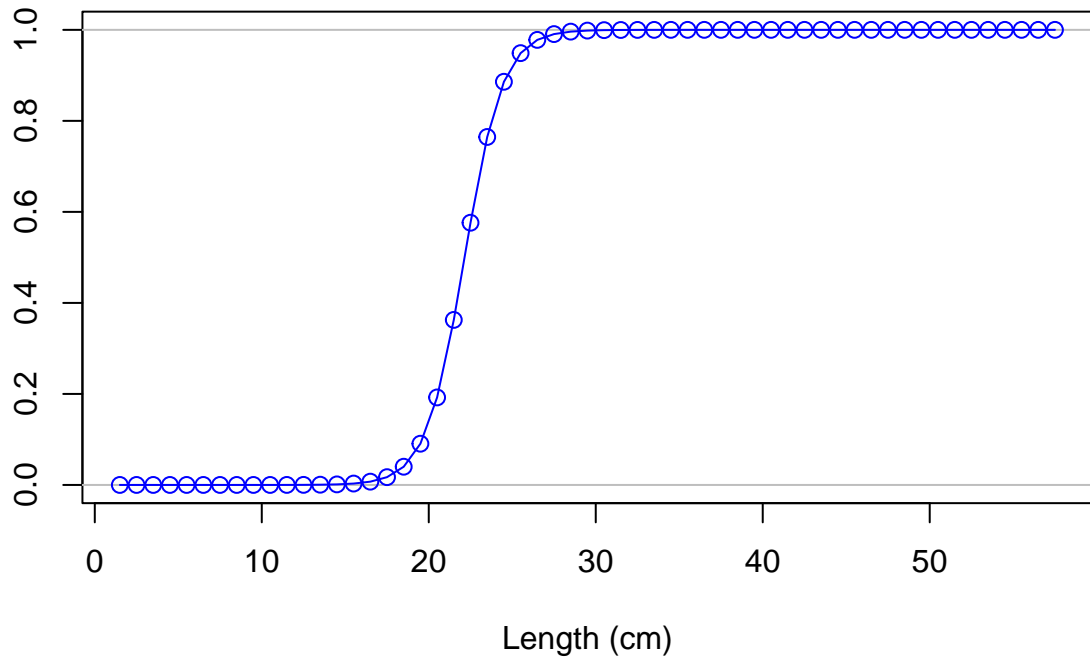


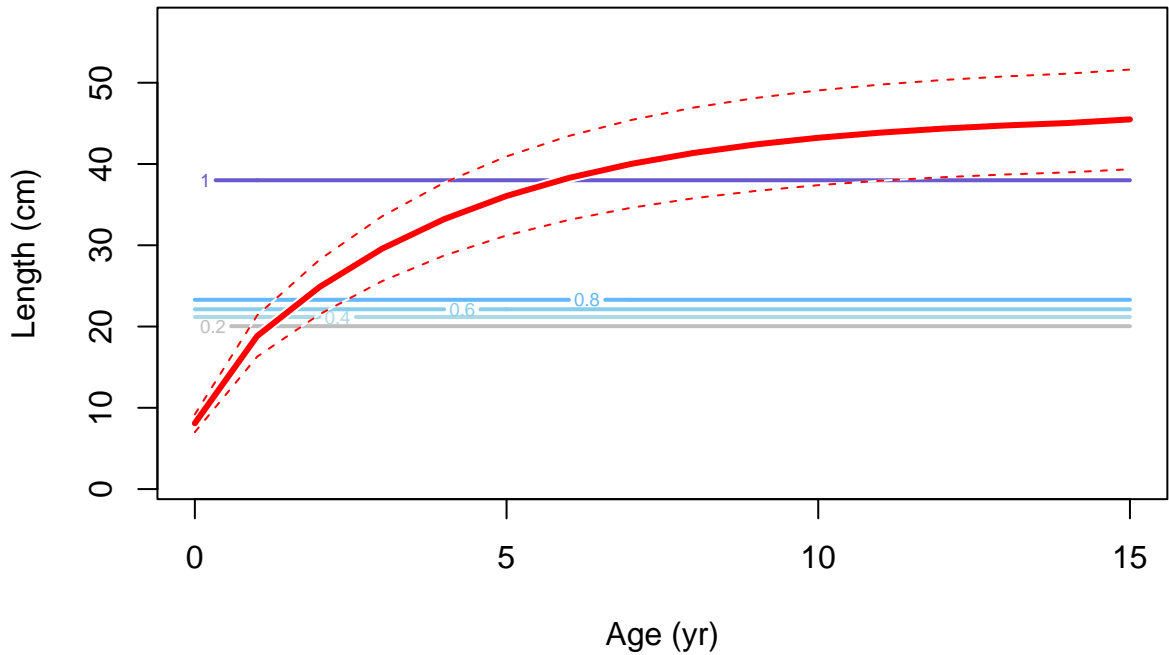
Age (yr)

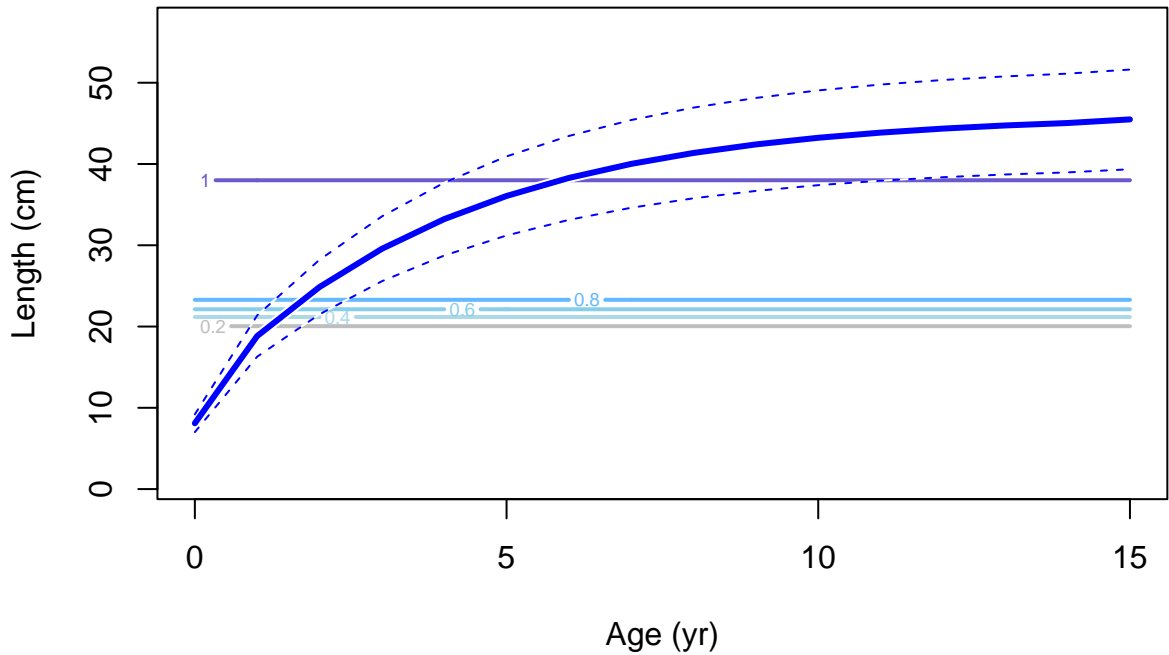
Selectivity

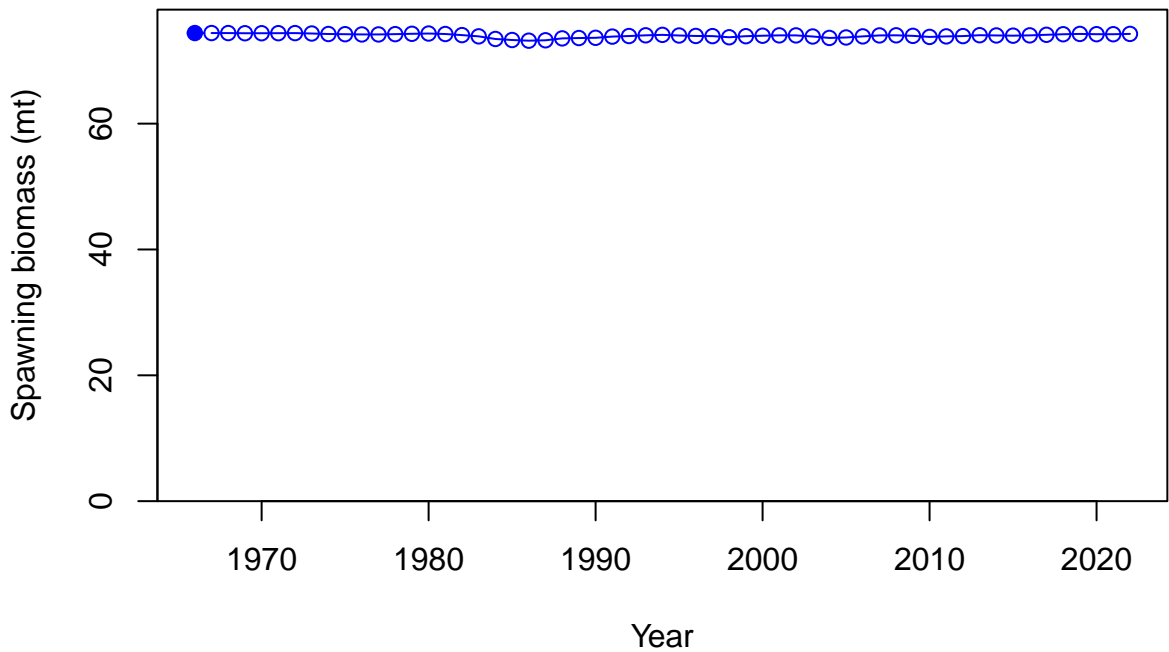


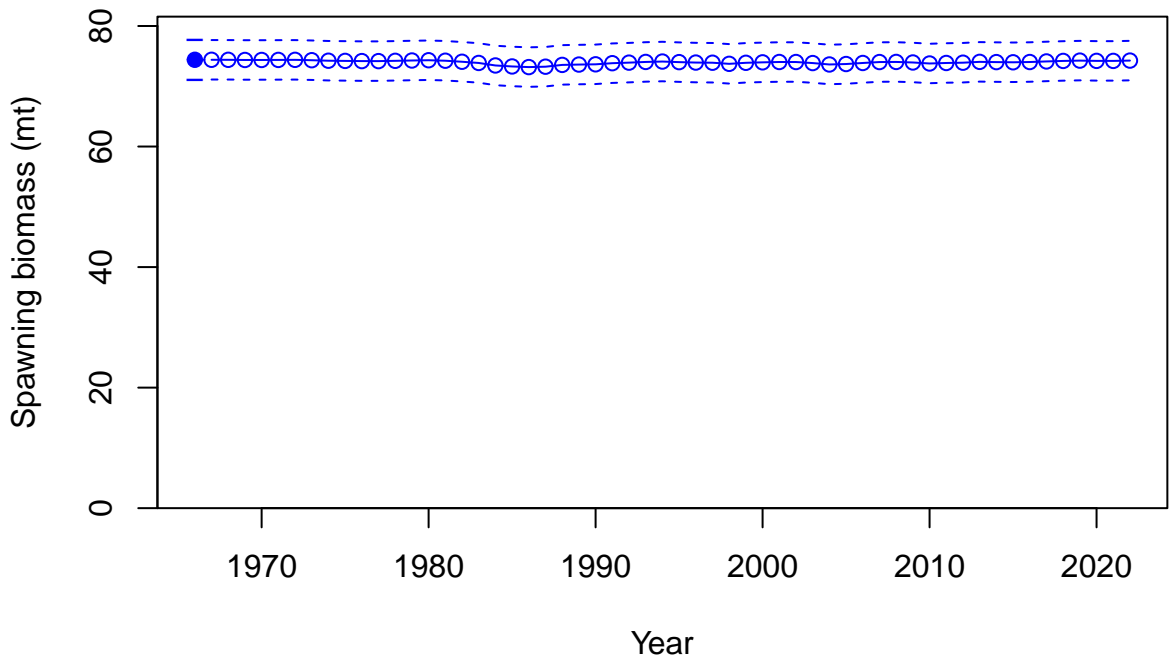
Selectivity



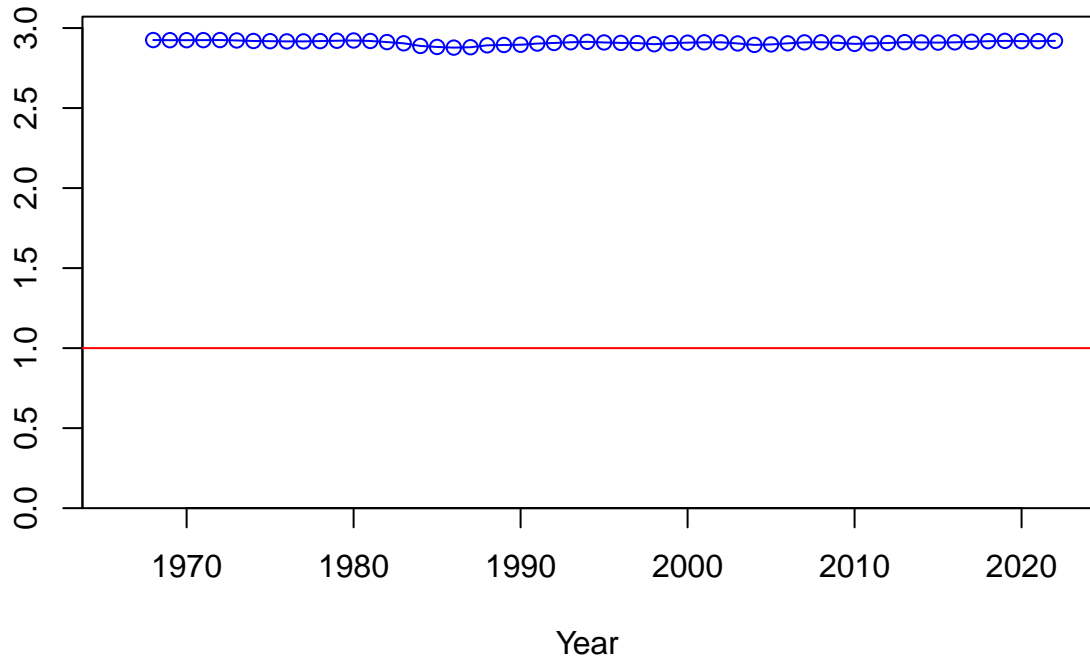




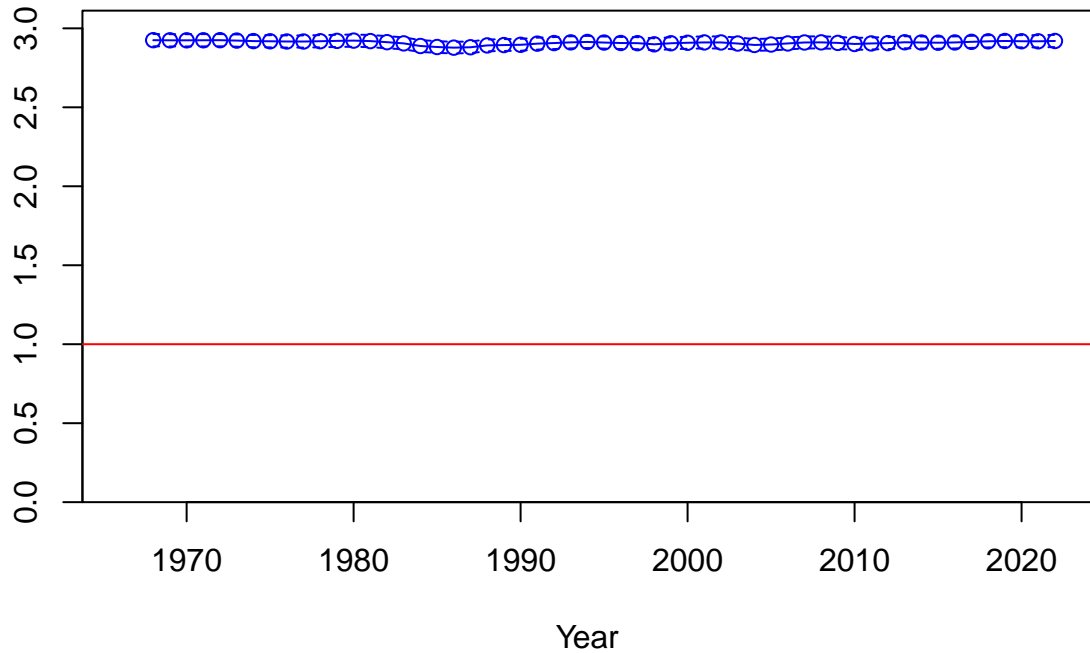


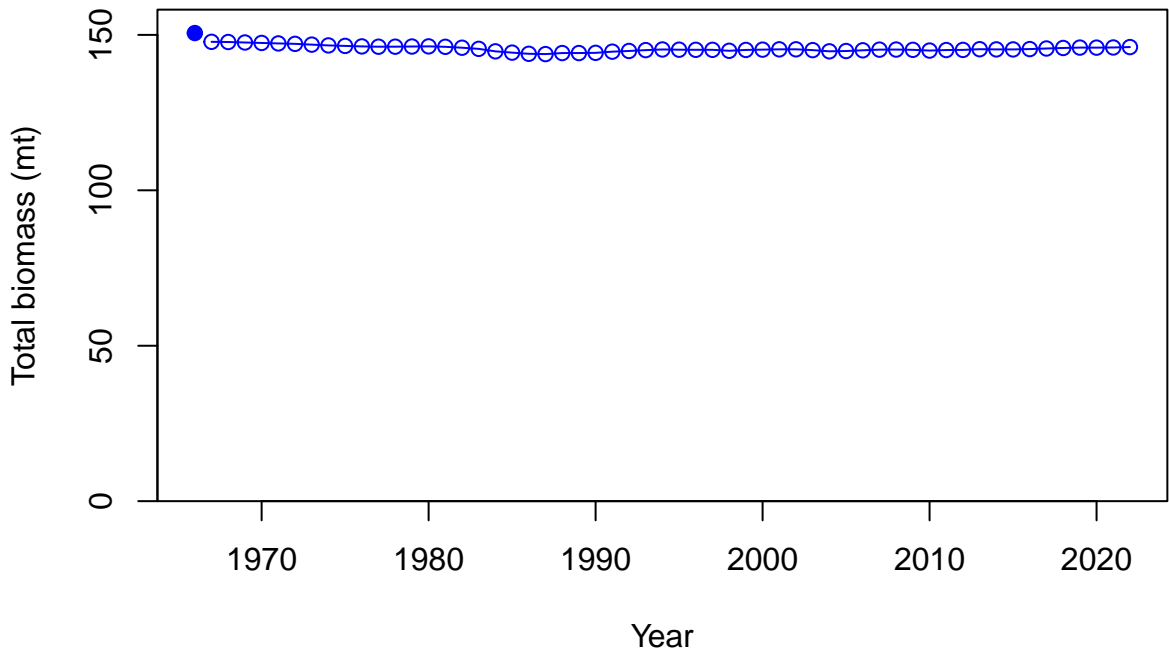


Relative spawning biomass: B/B_MSY

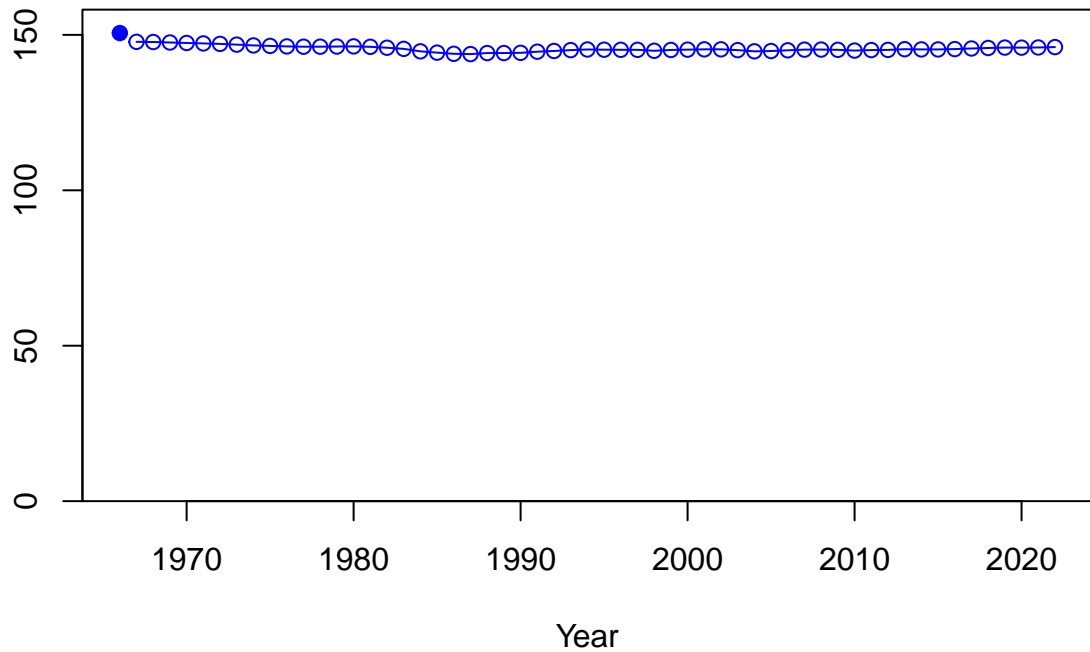


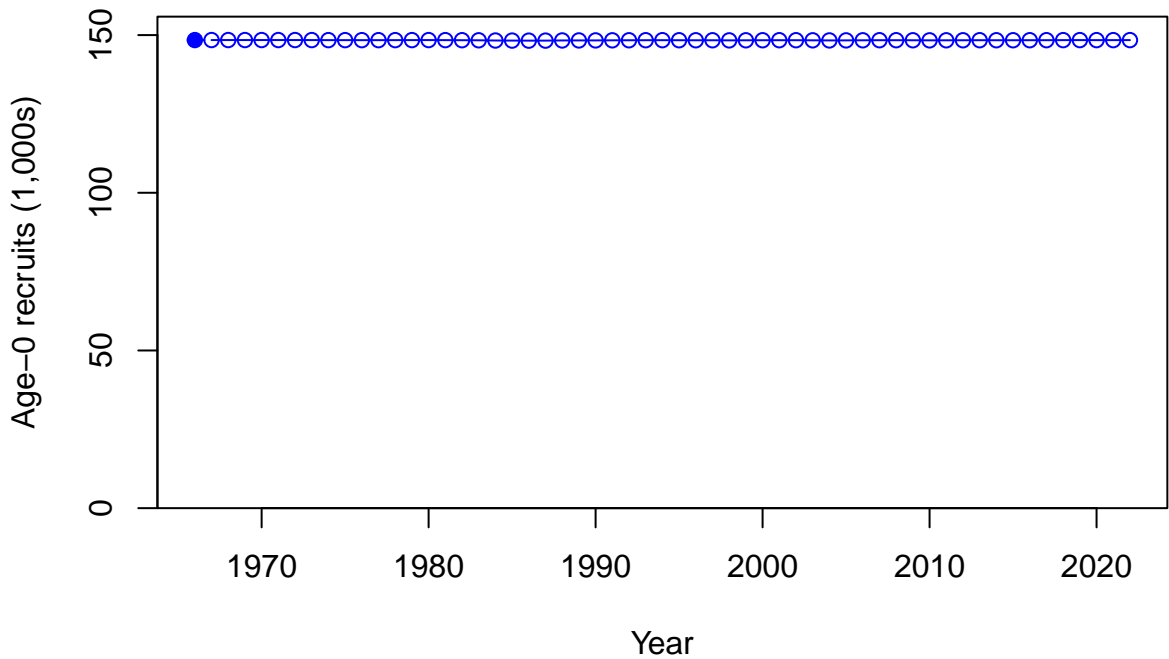
Relative spawning biomass: B/B_{MSY}



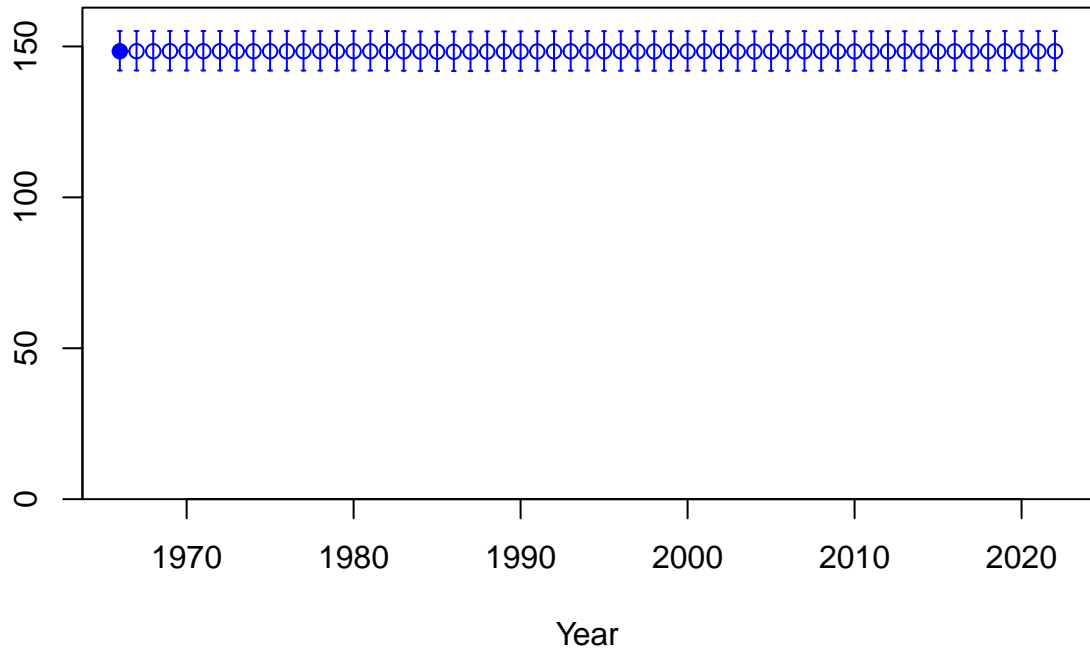


Summary biomass (mt)

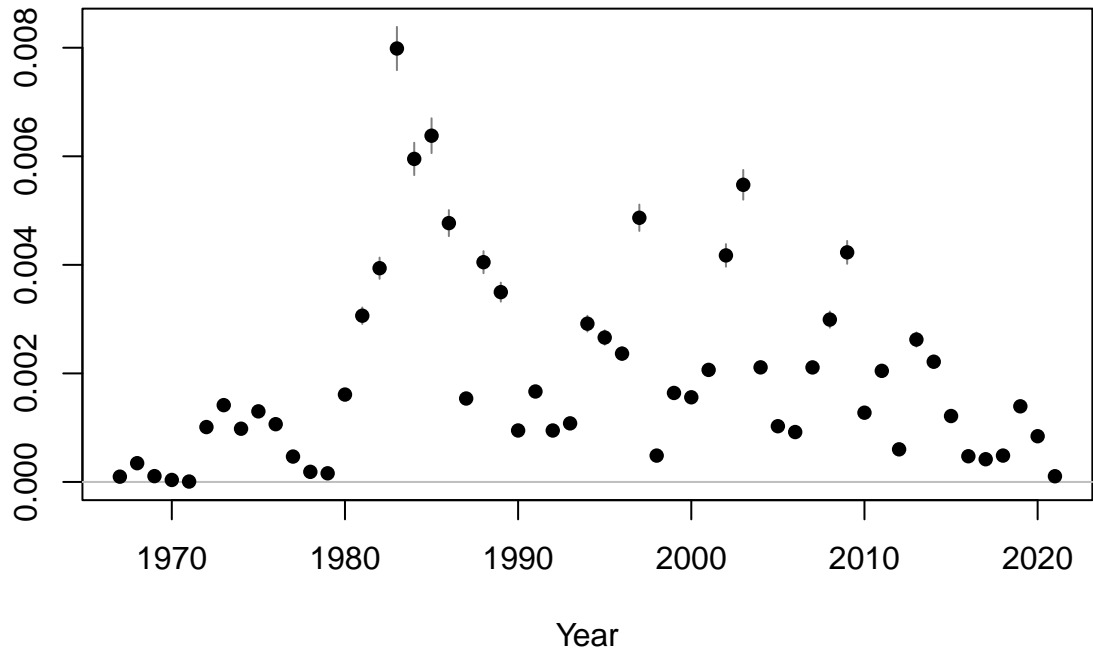


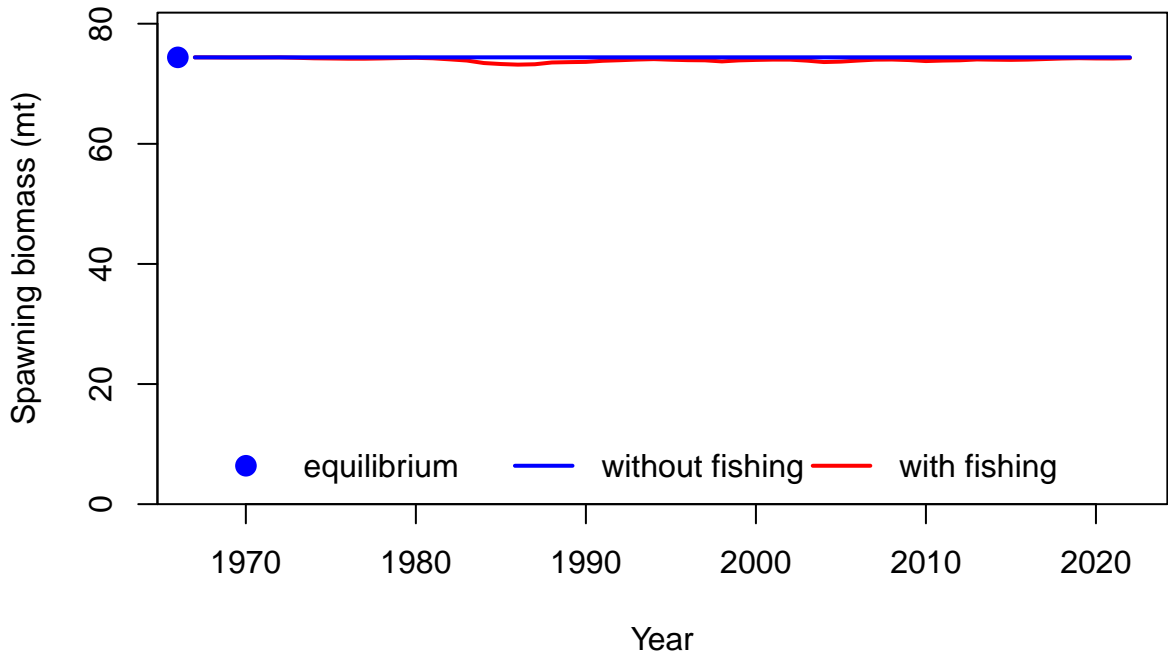


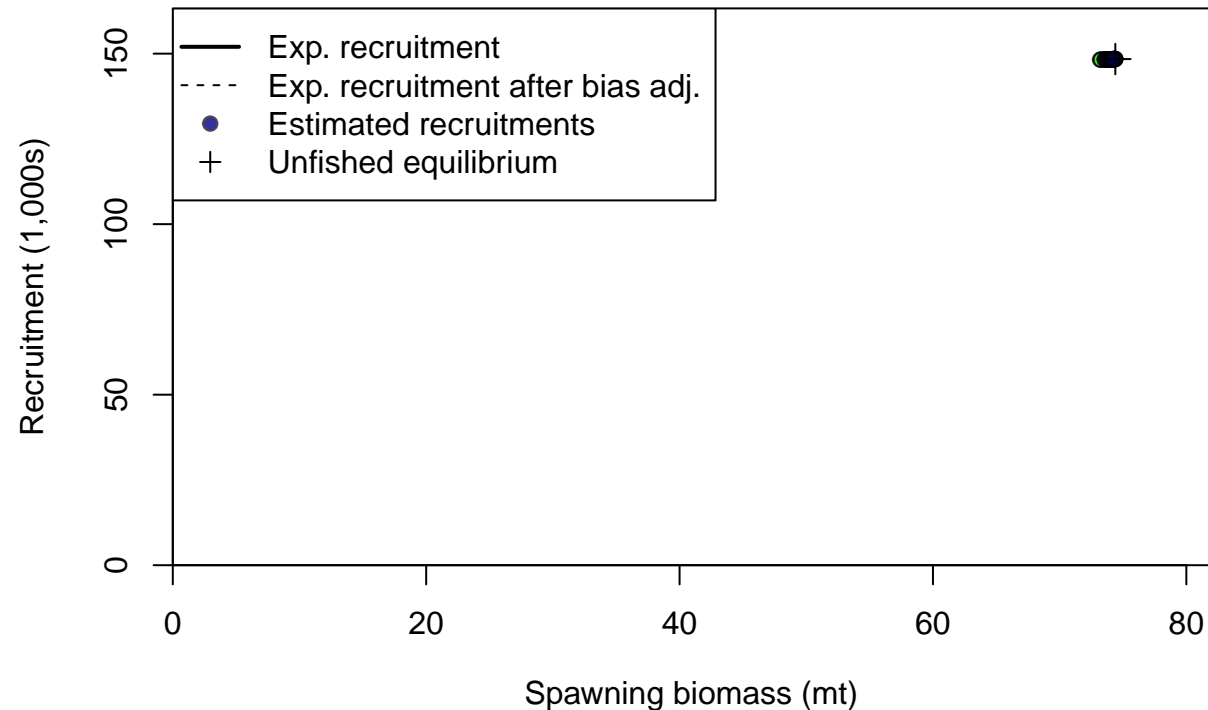
Age-0 recruits (1,000s)

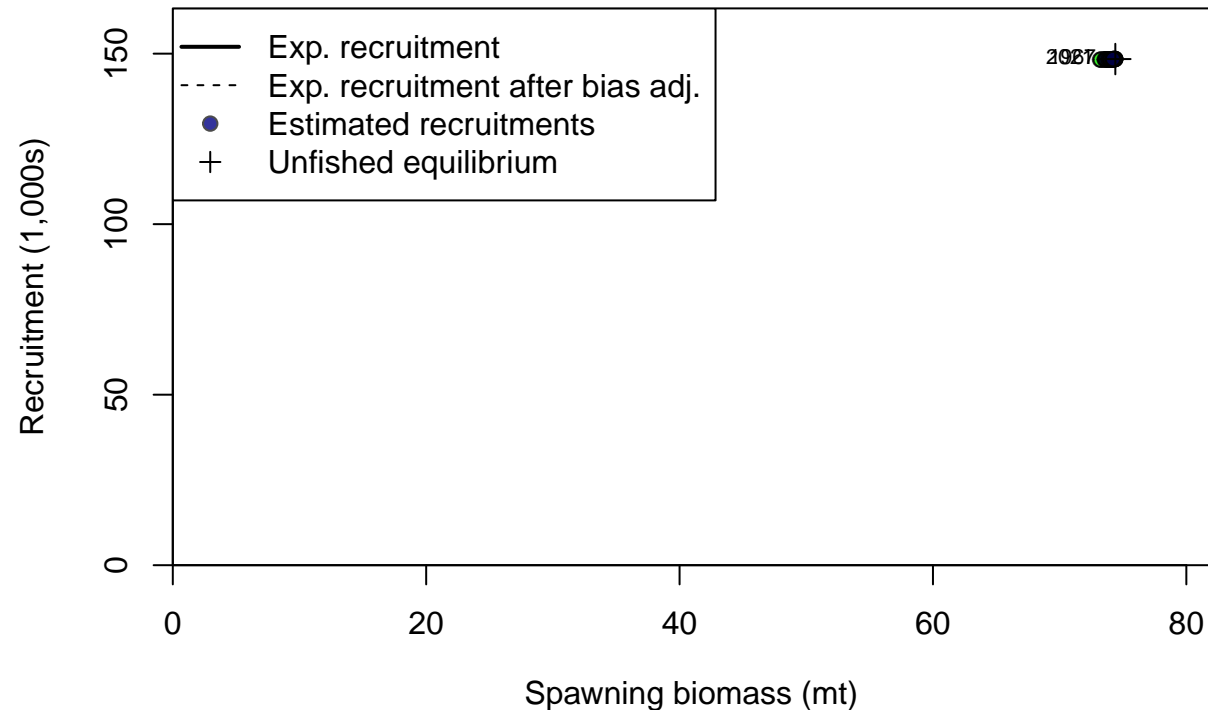


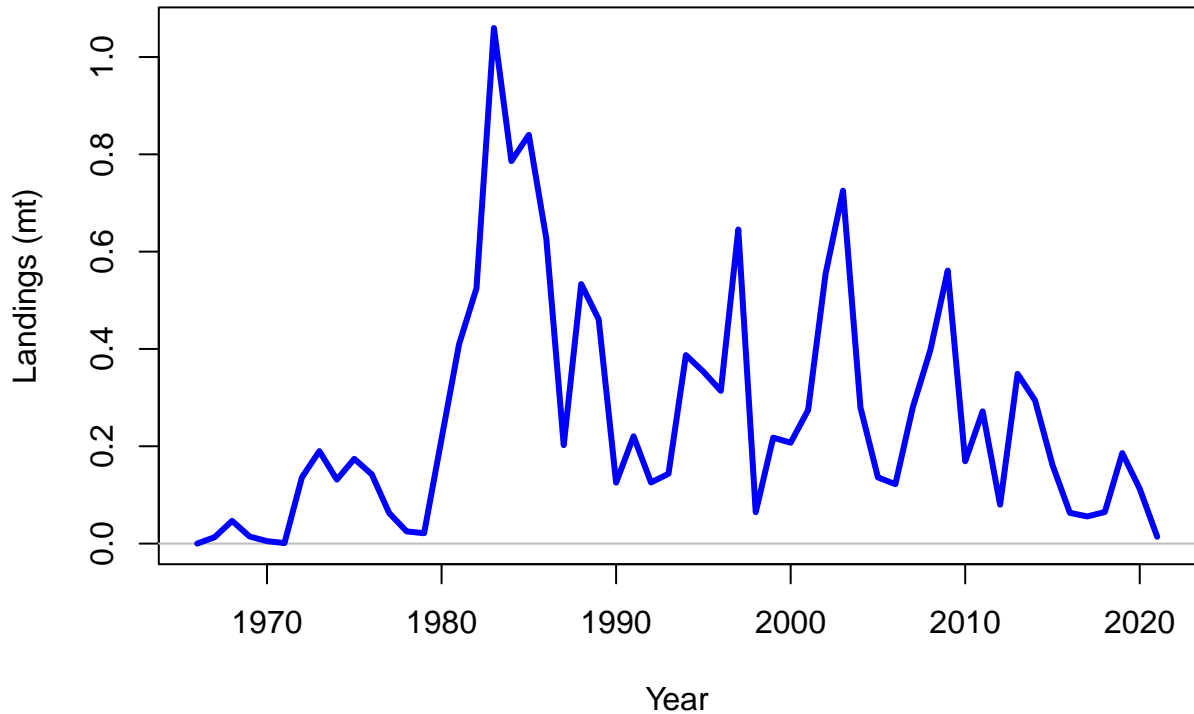
Summary Fishing Mortality

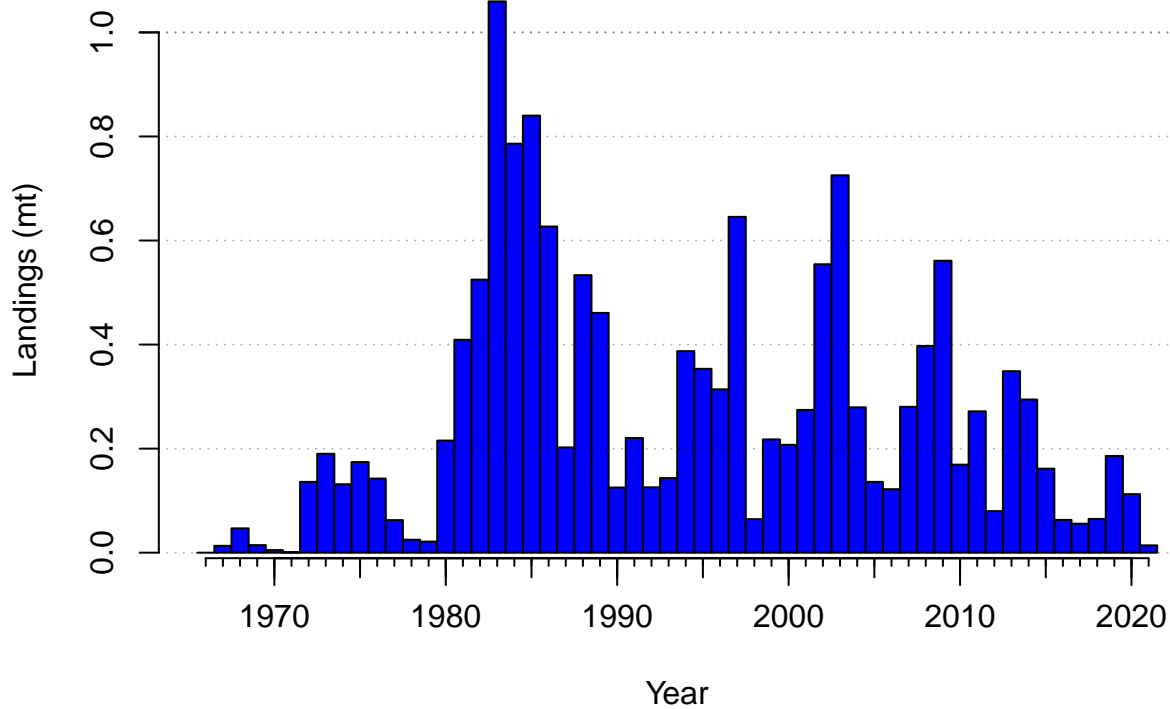


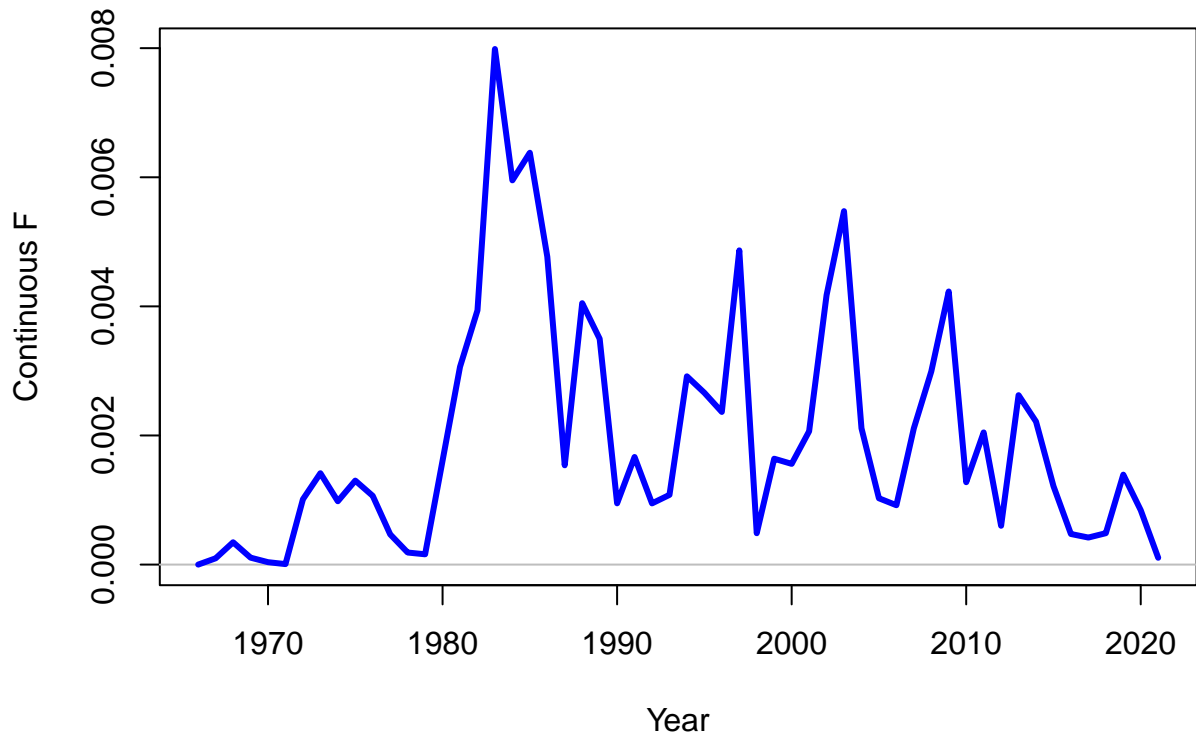




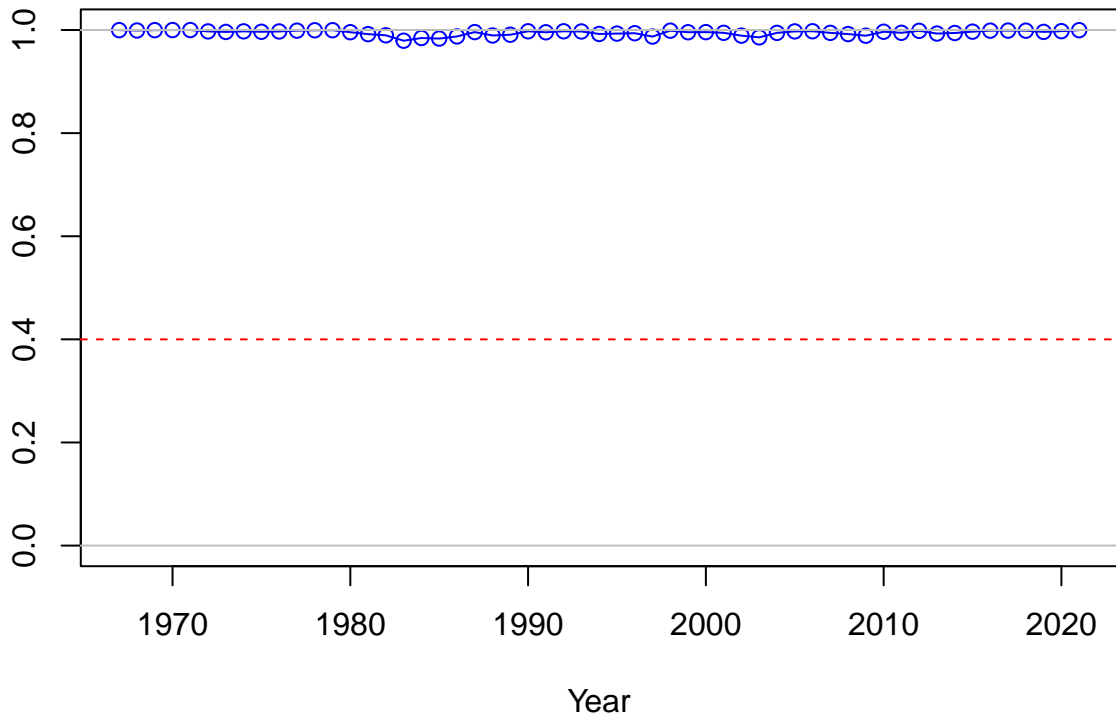


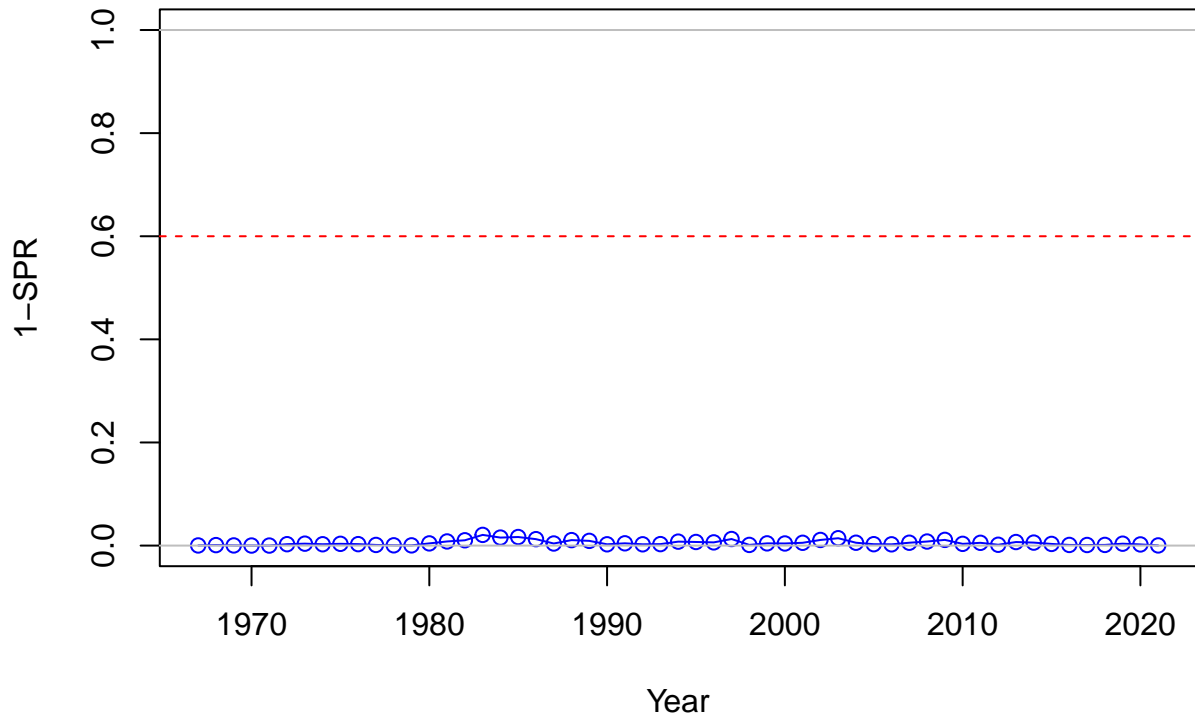




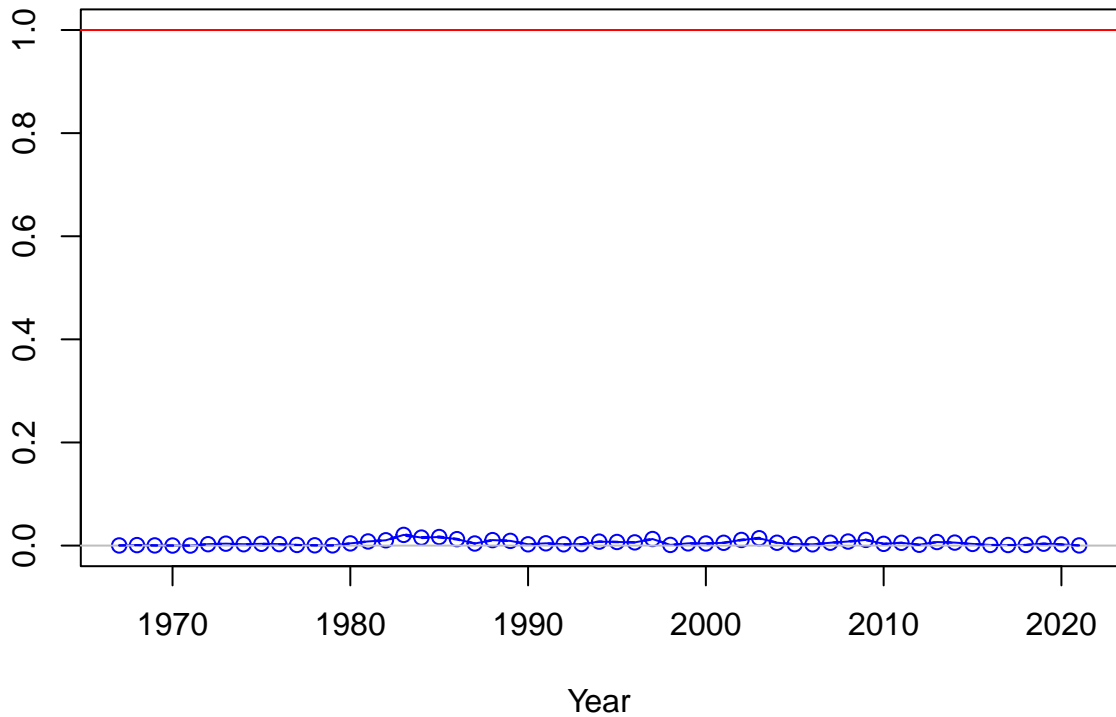


SPR

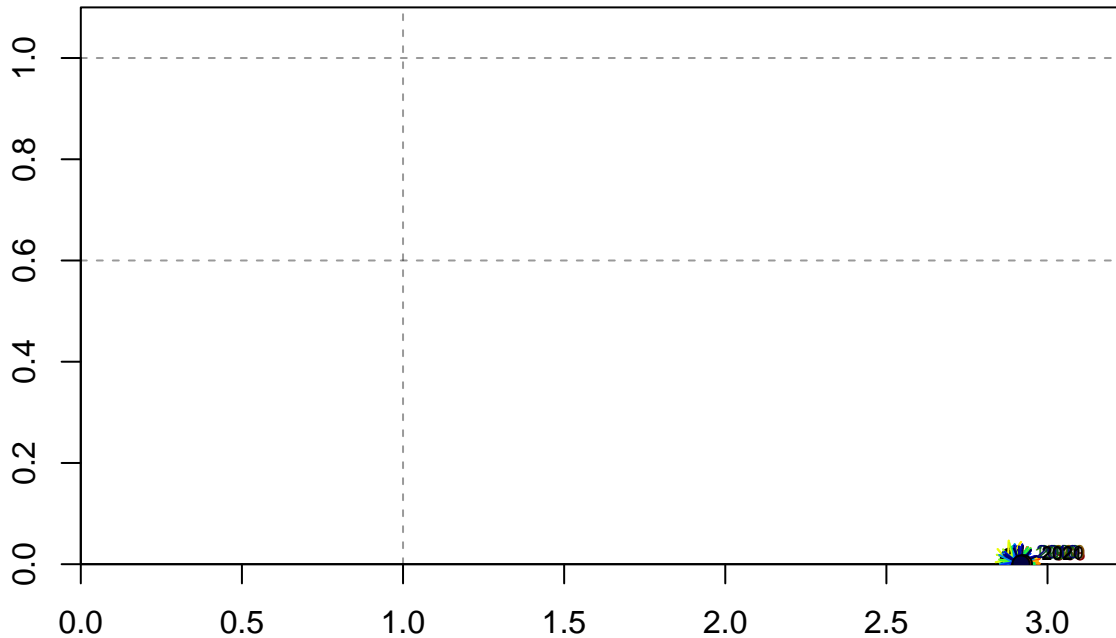


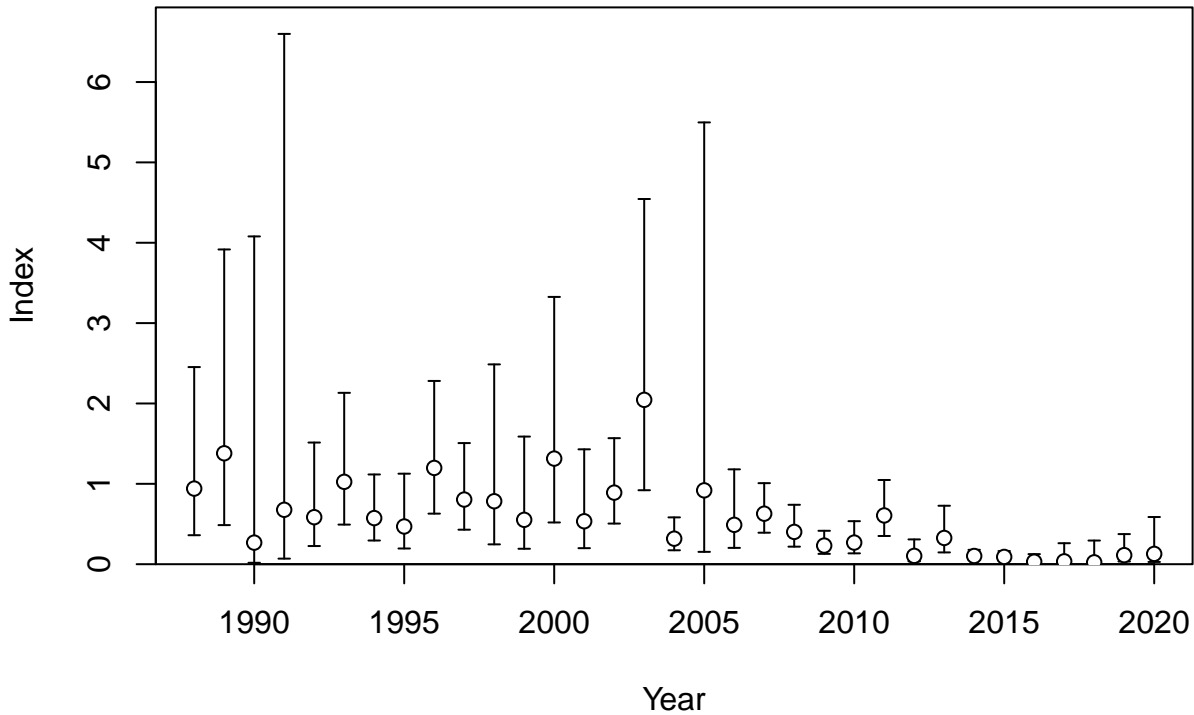


Fishing intensity: 1-SPR

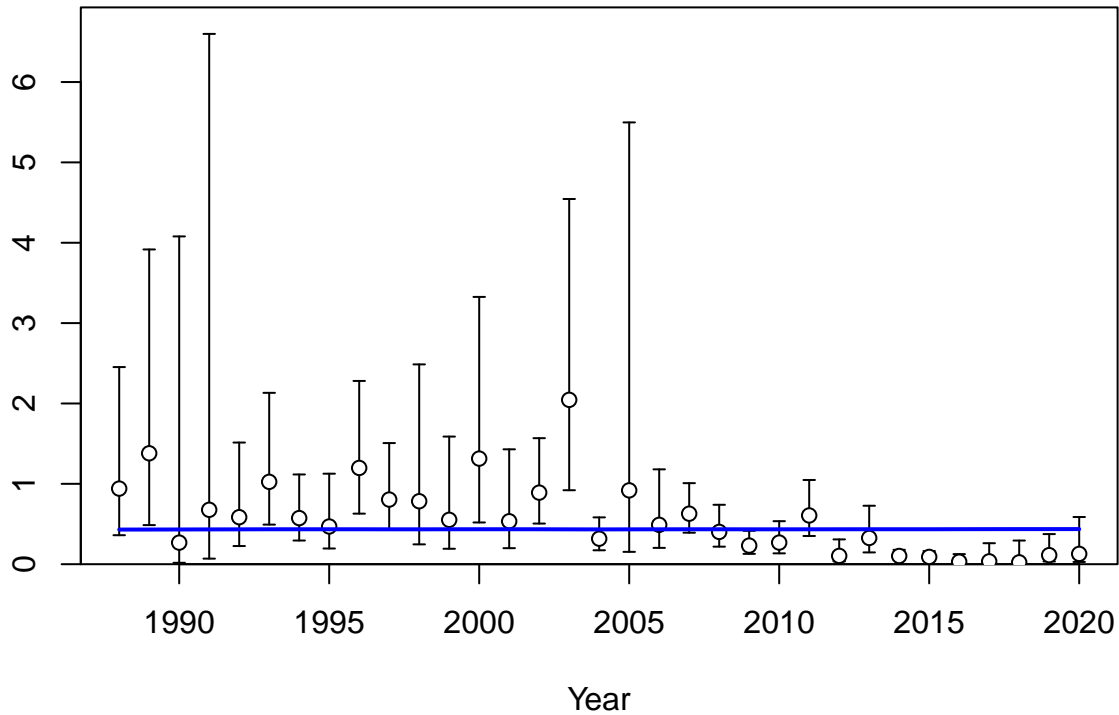


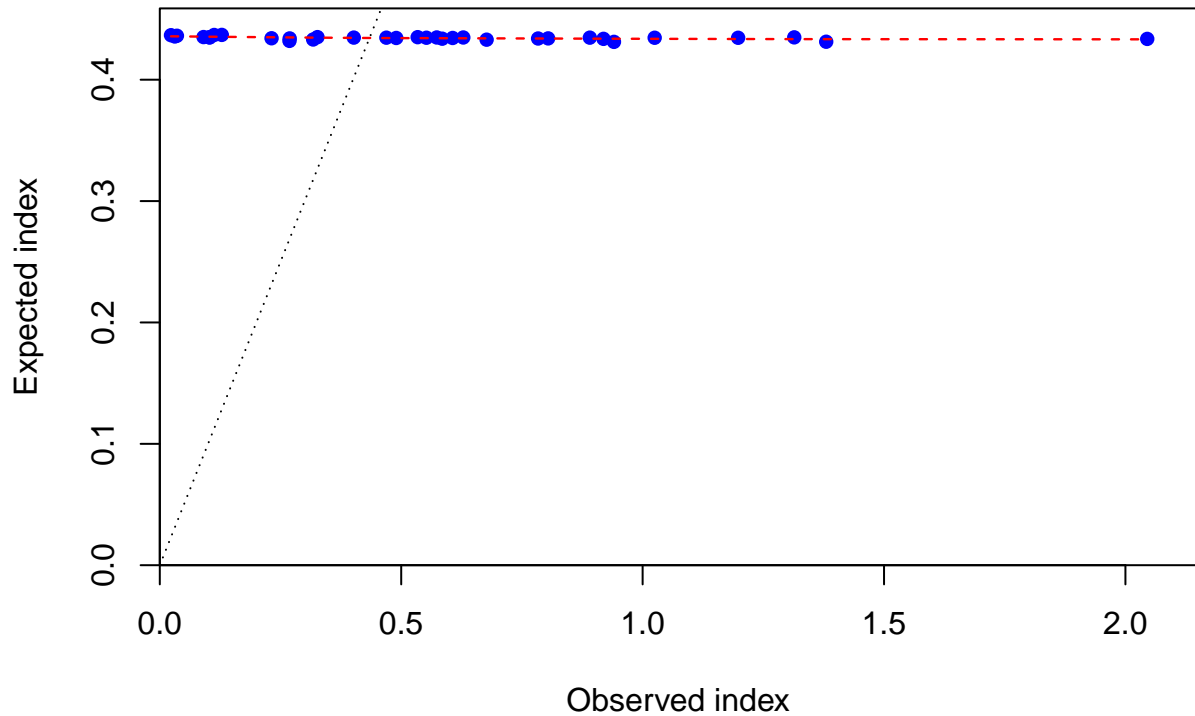
Fishing intensity: 1-SPR



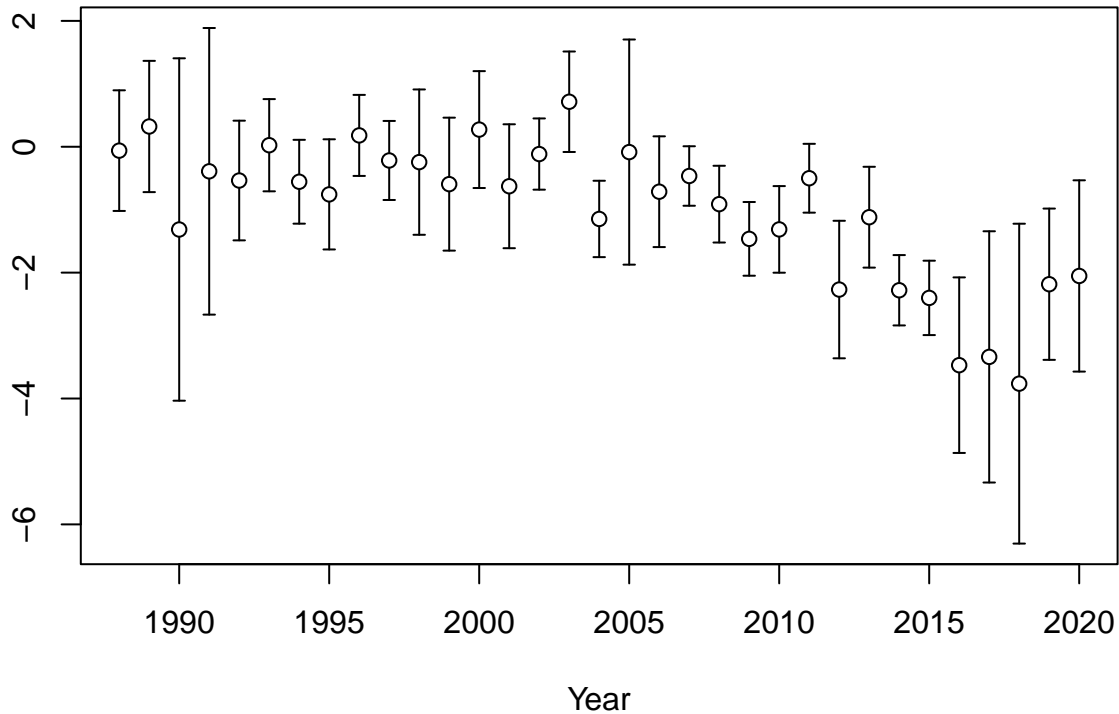


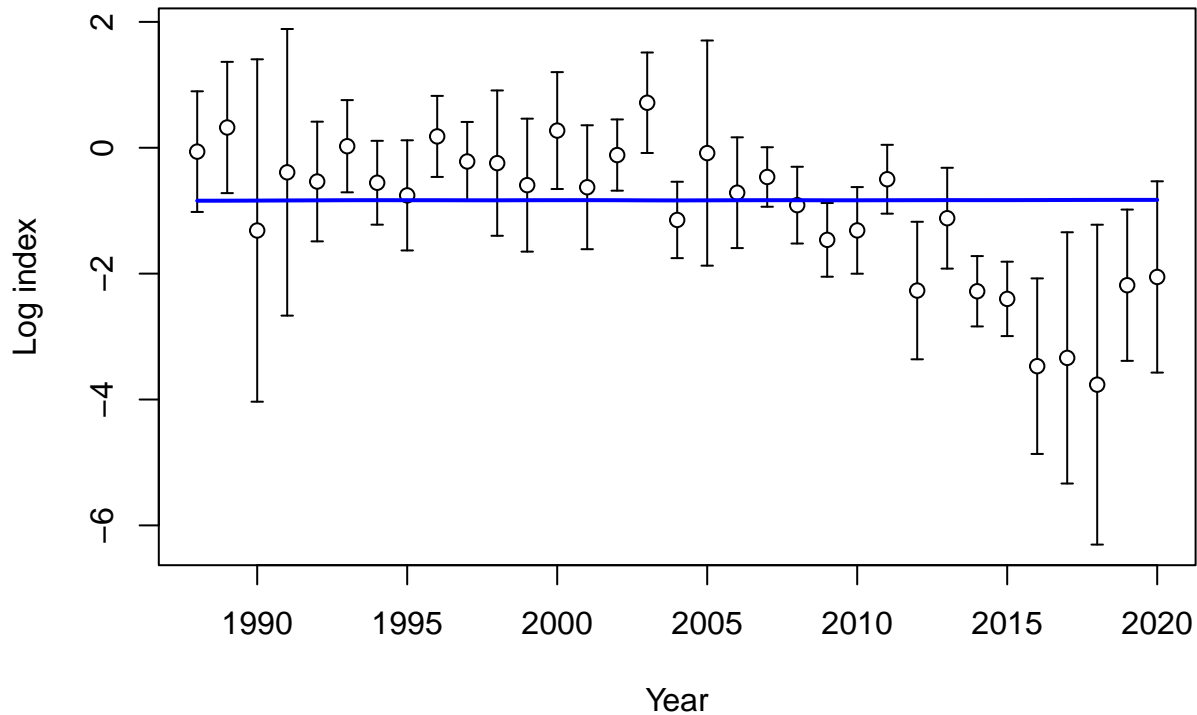
Index

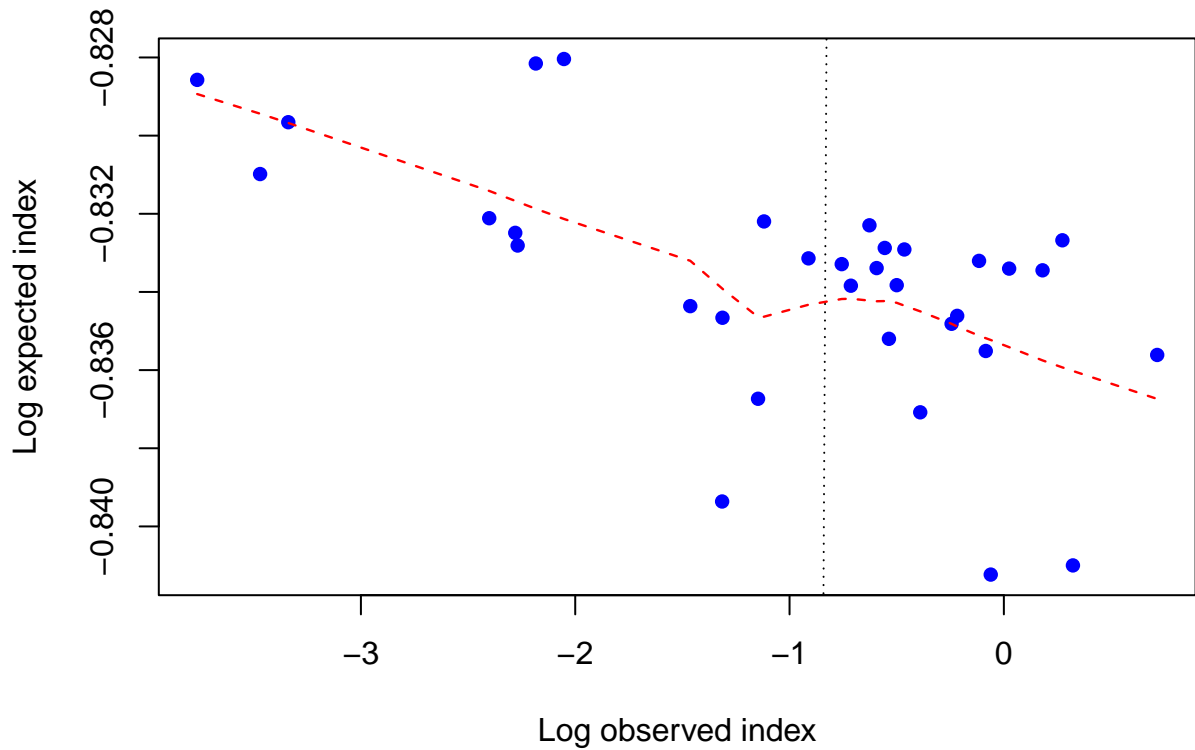


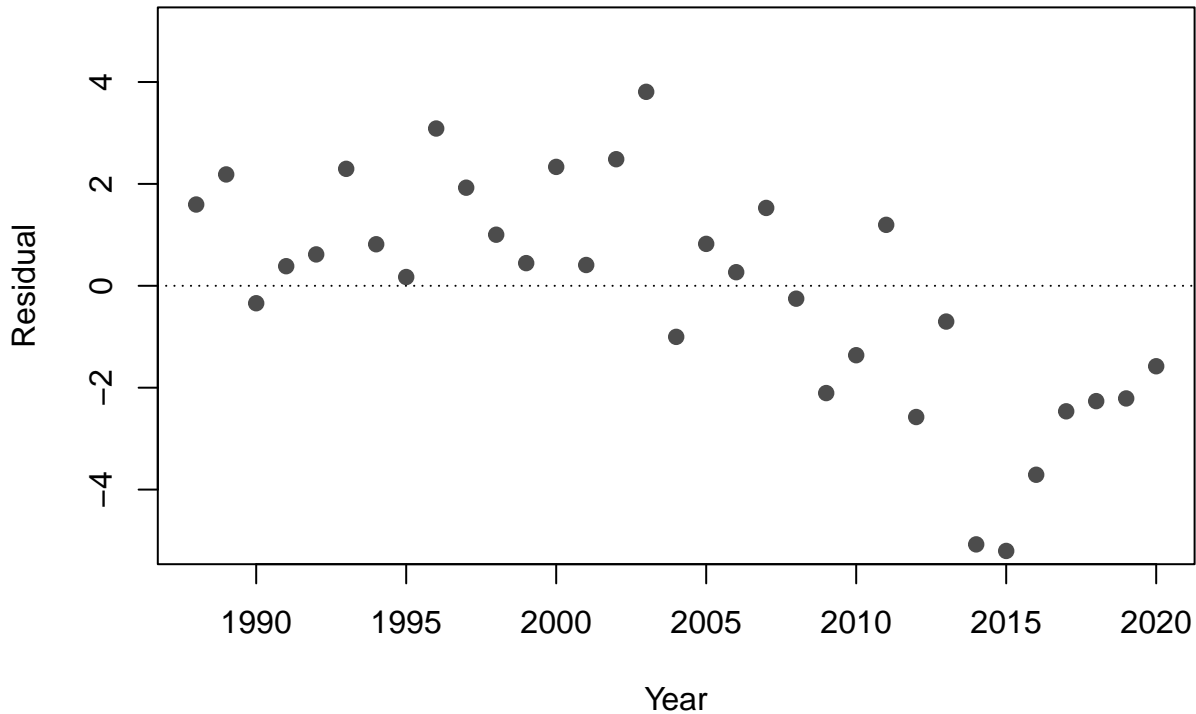


Log index

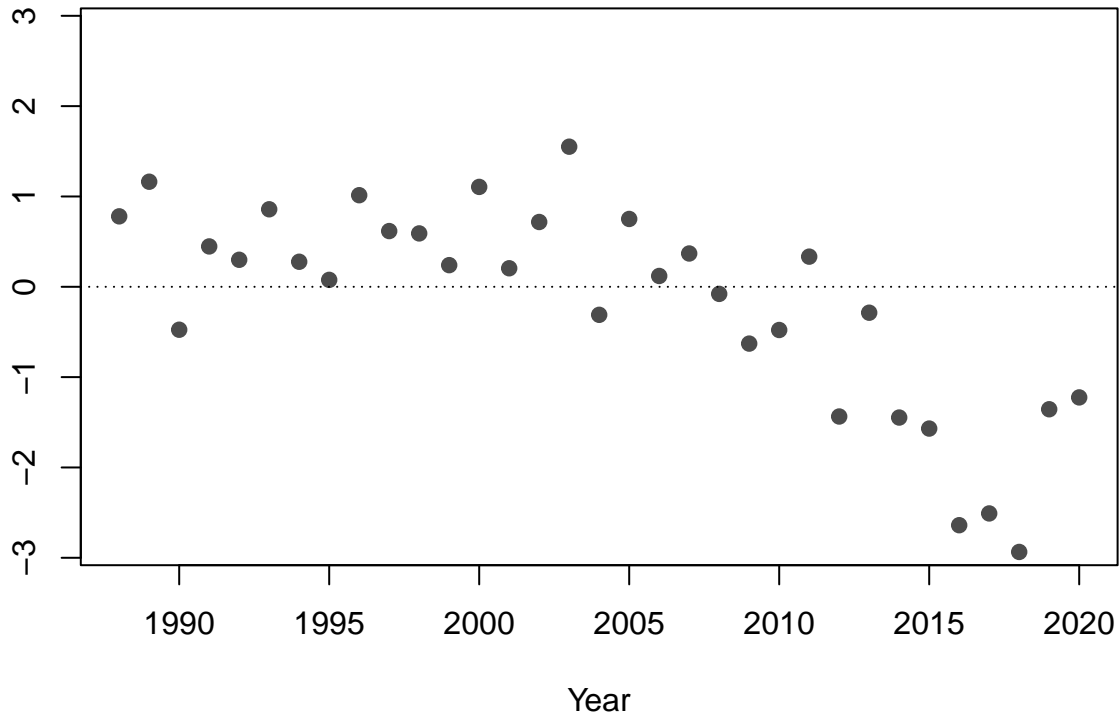


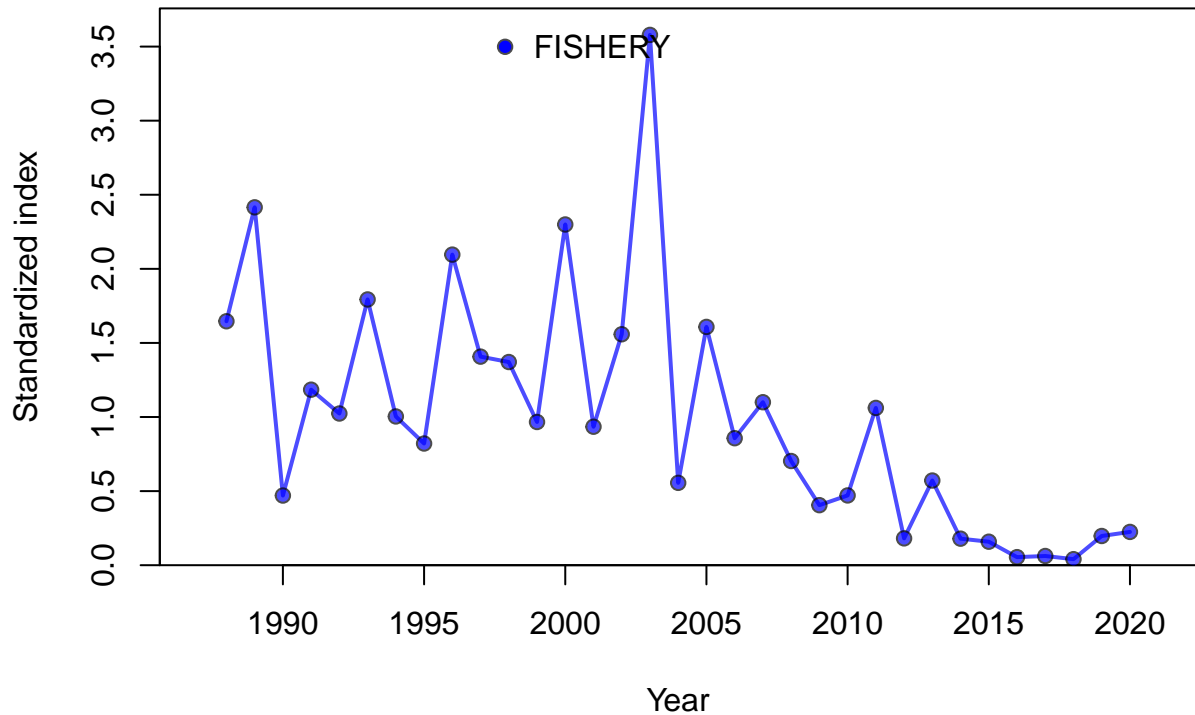


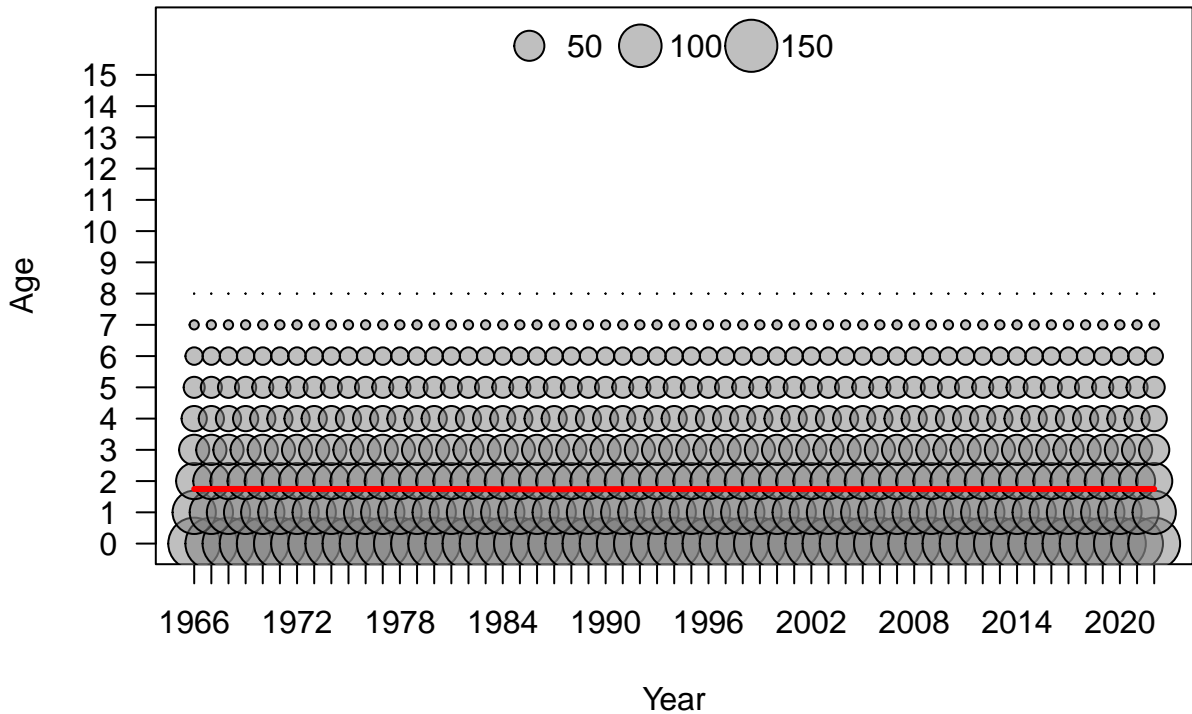




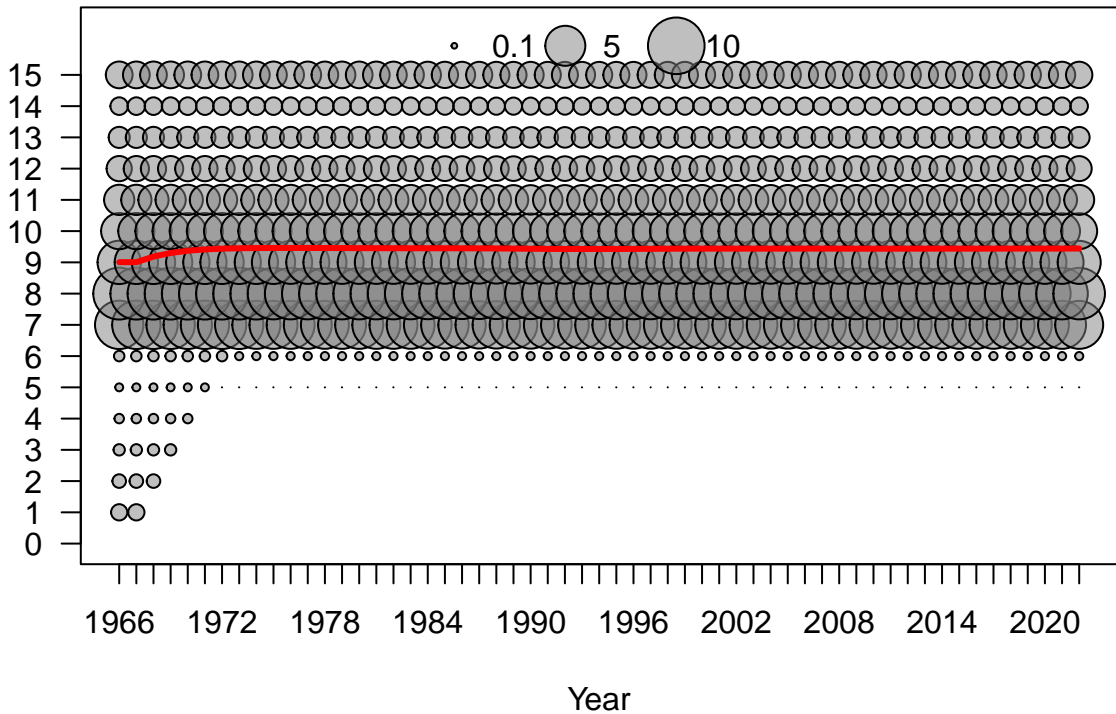
Deviation

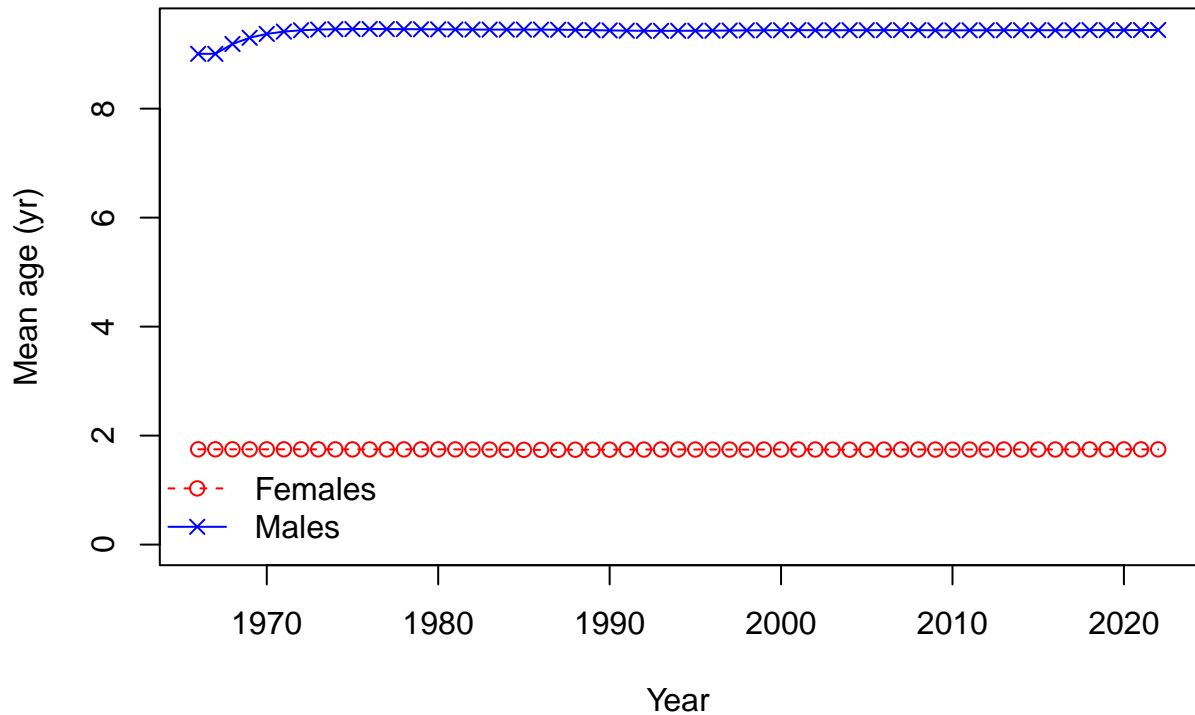




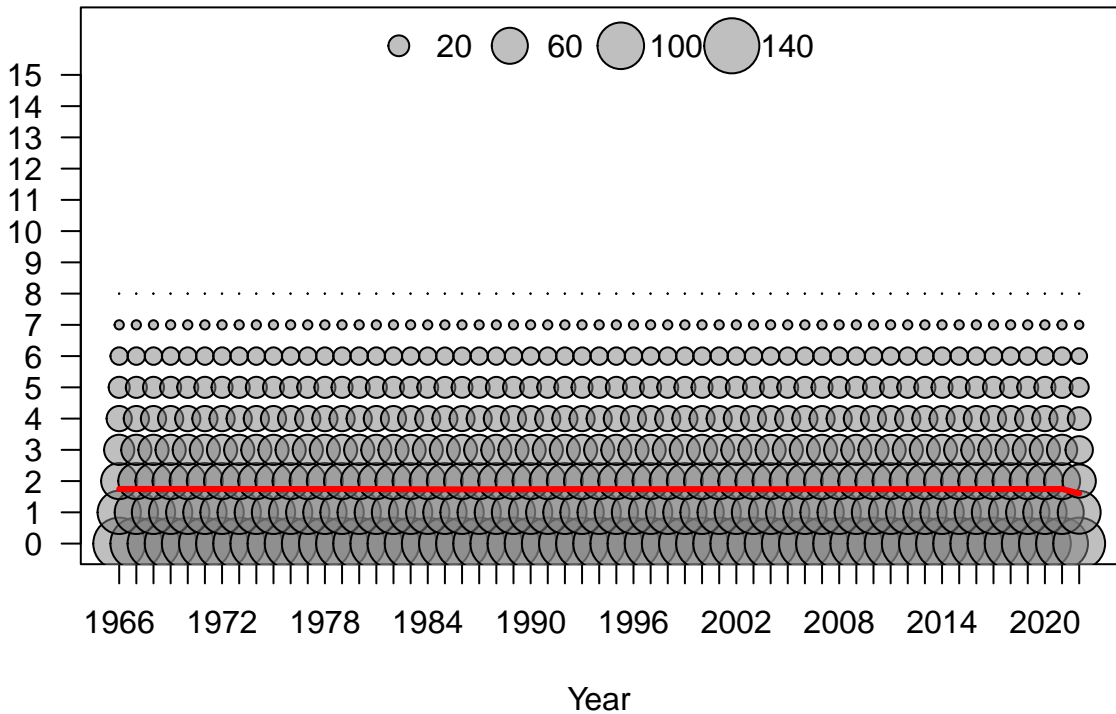


Age

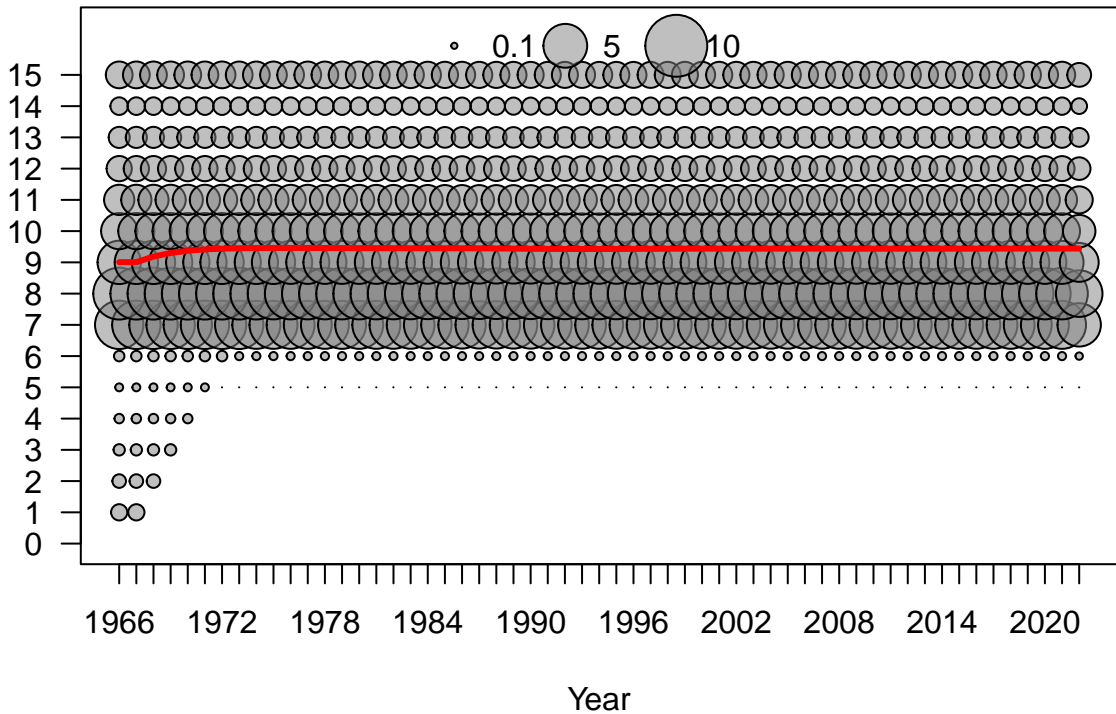


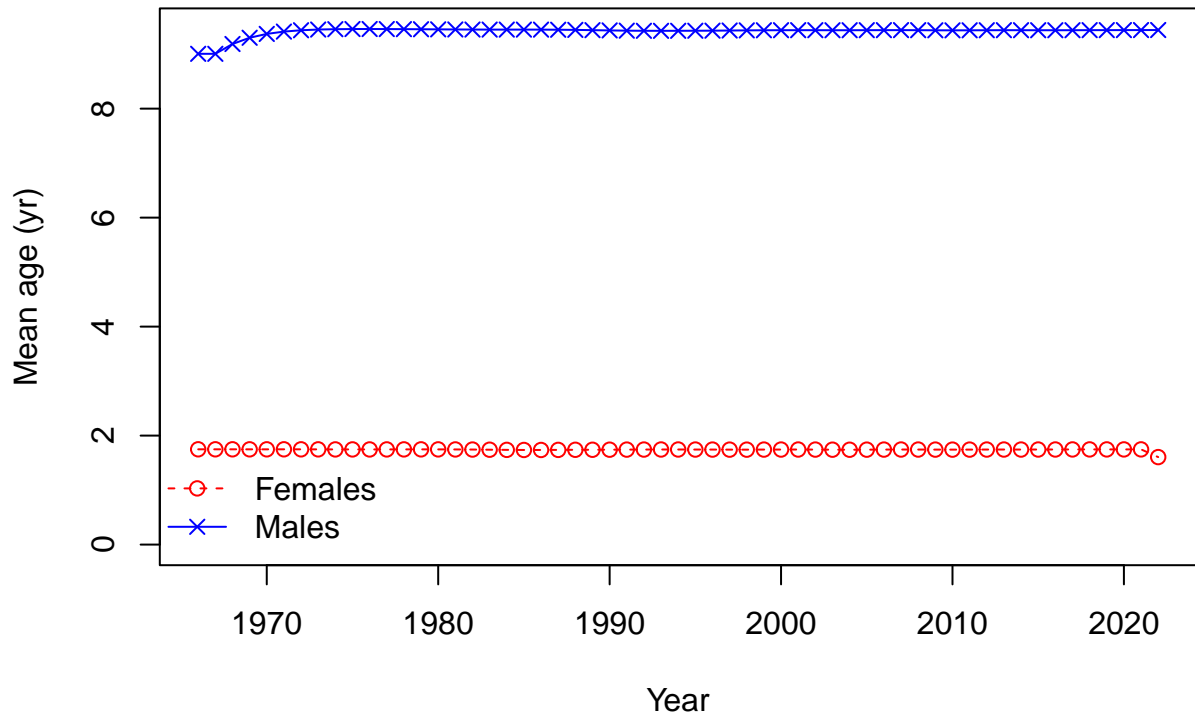


Age



Age





Age

0
2
4
6
8
10
12
14

1970

1980

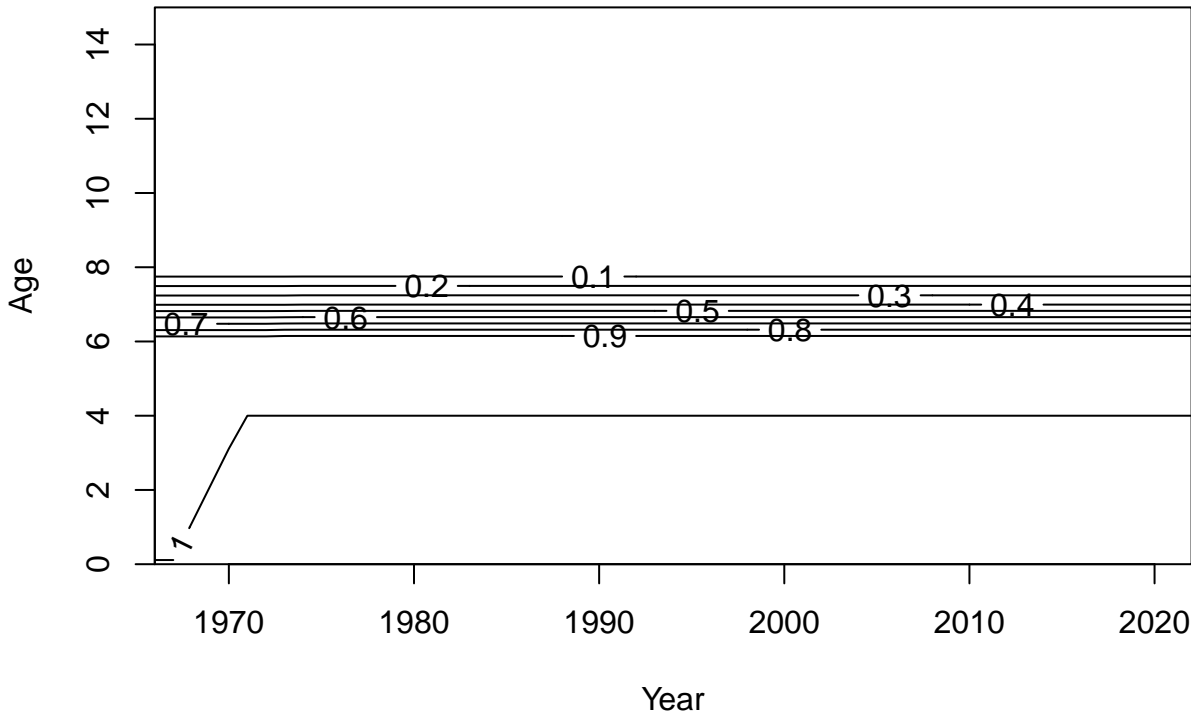
1990

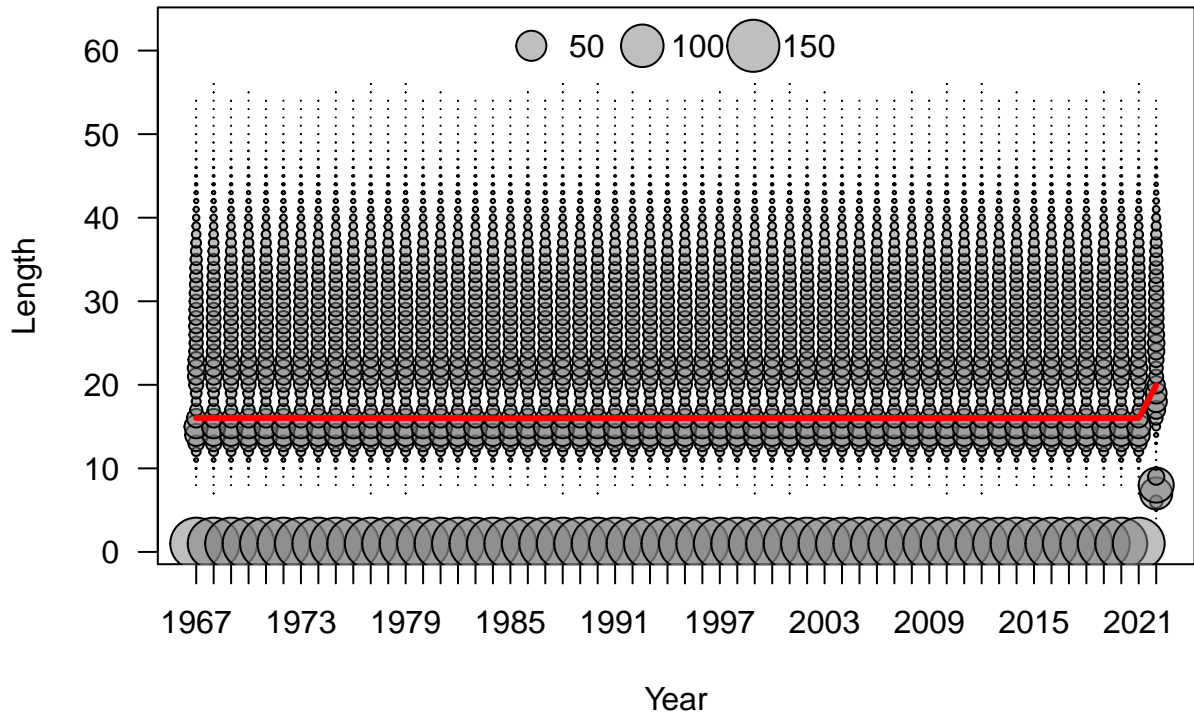
2000

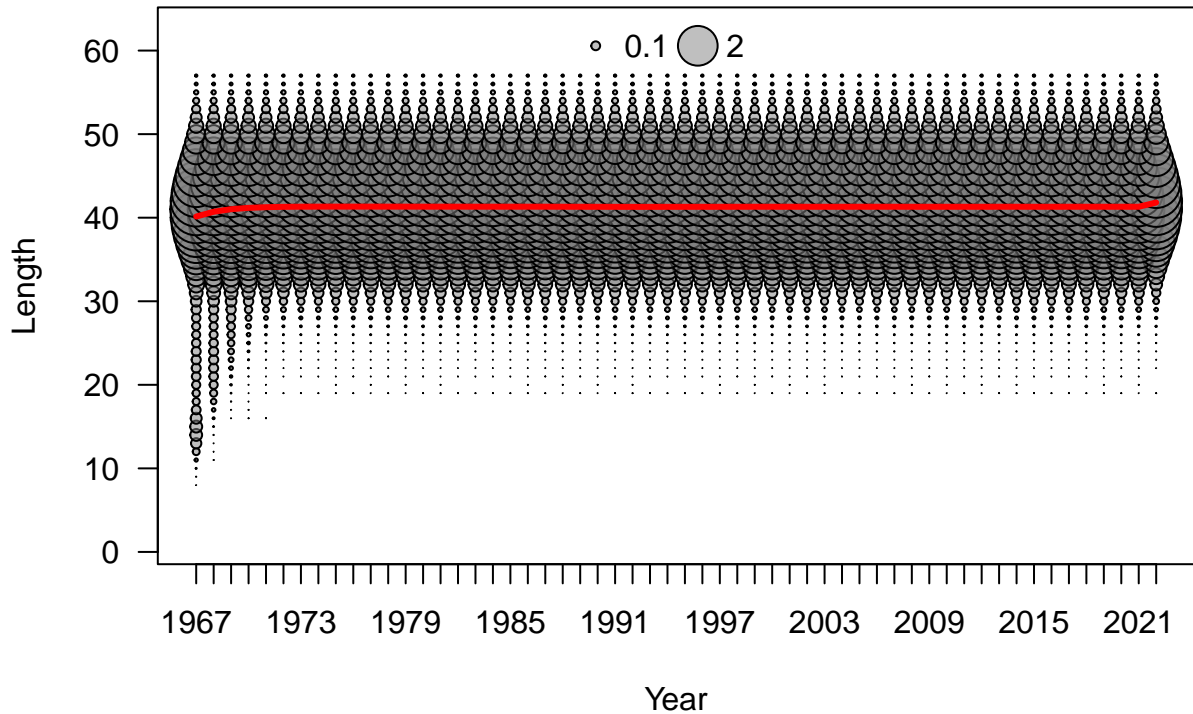
2010

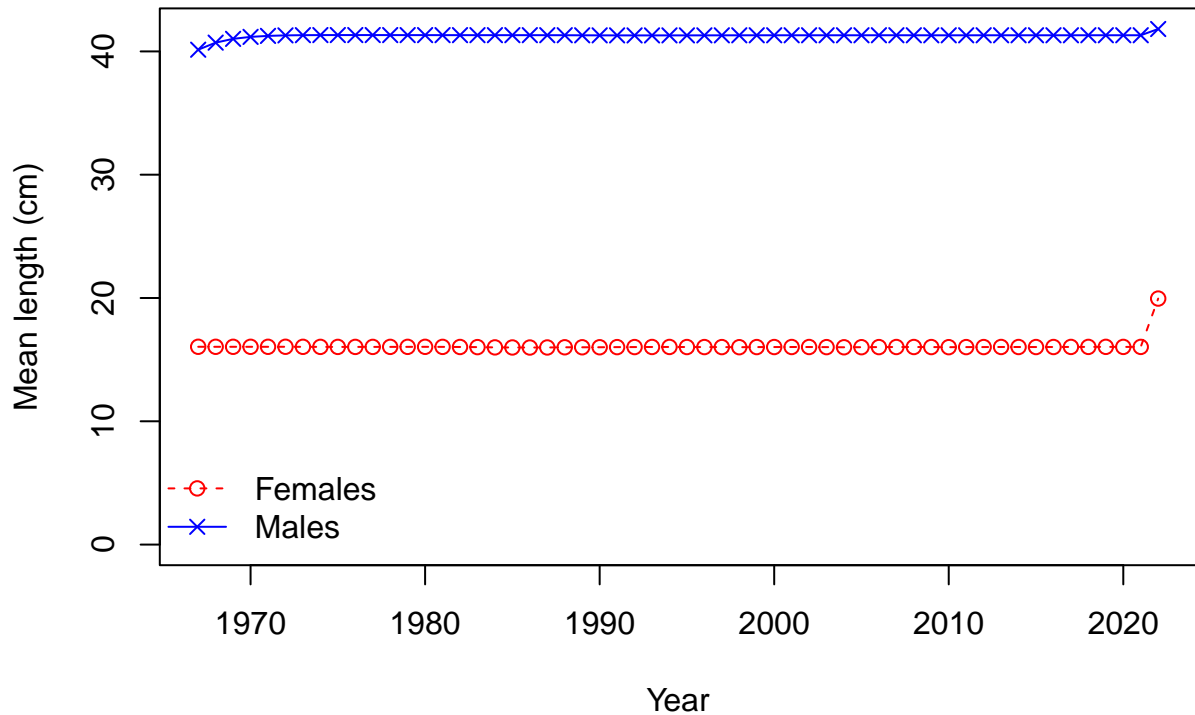
2020

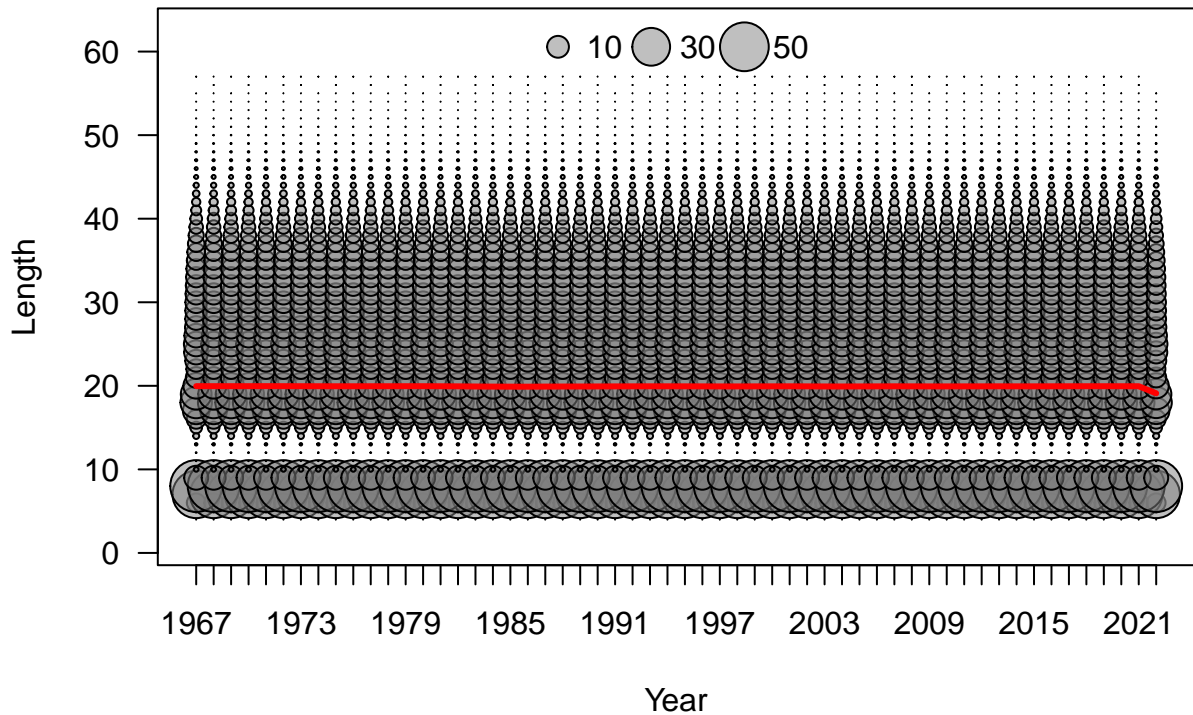
Year

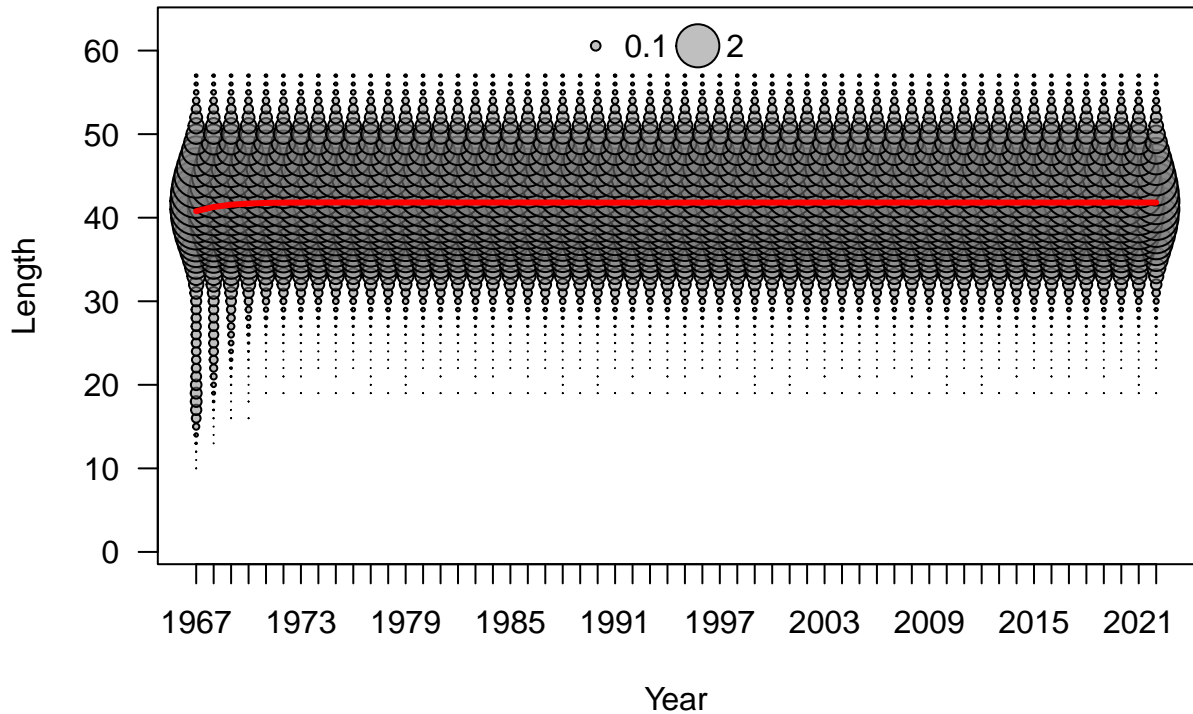


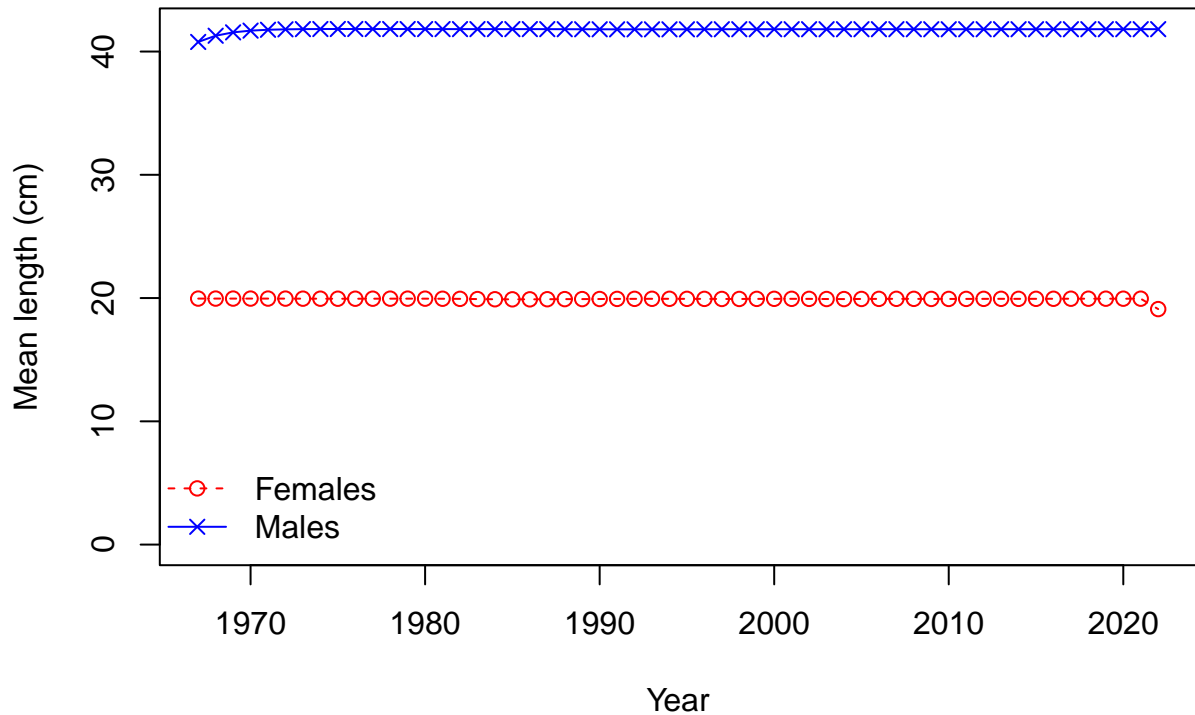












Length

50

40

30

20

10

1970

1980

1990

2000

2010

2020

Year

0.1

0.2

0.3

0.5

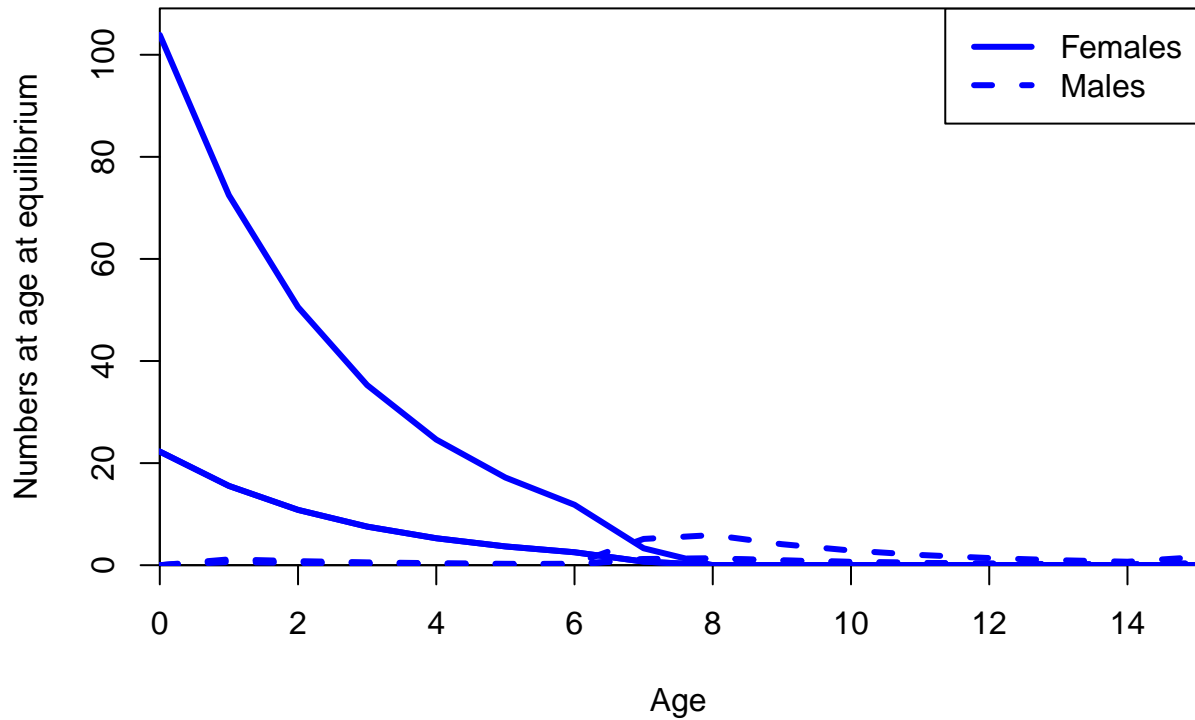
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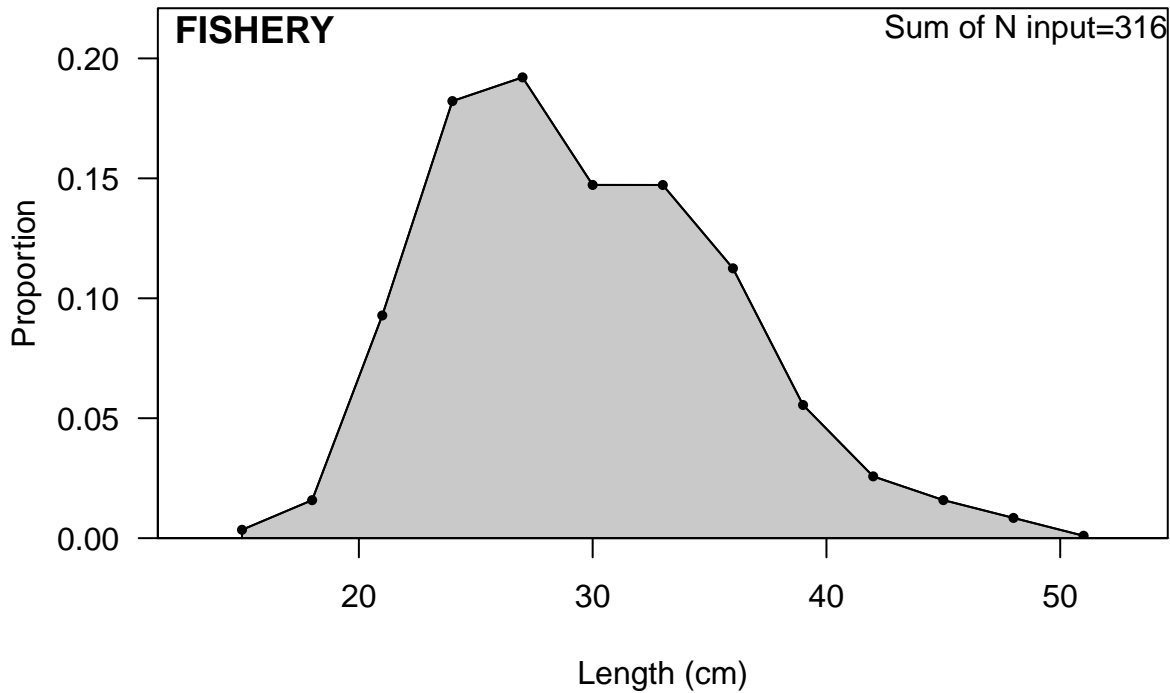
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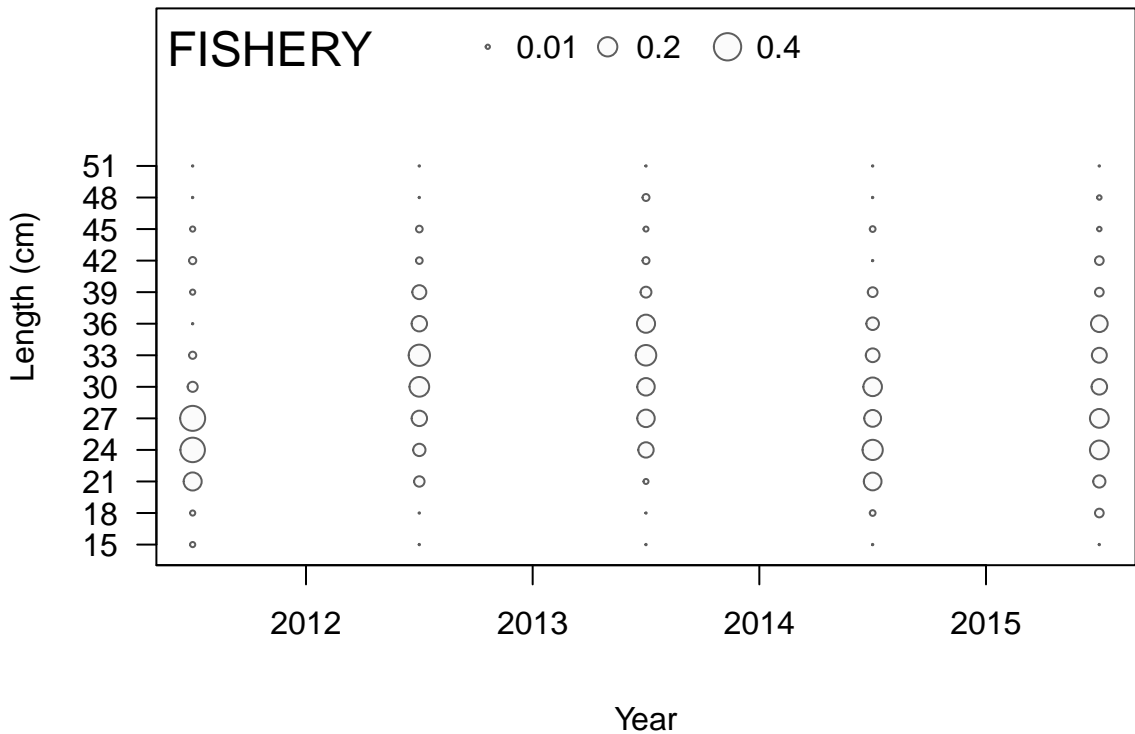
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0.4

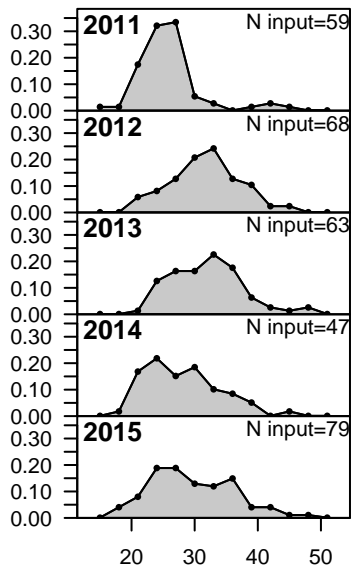
0.9



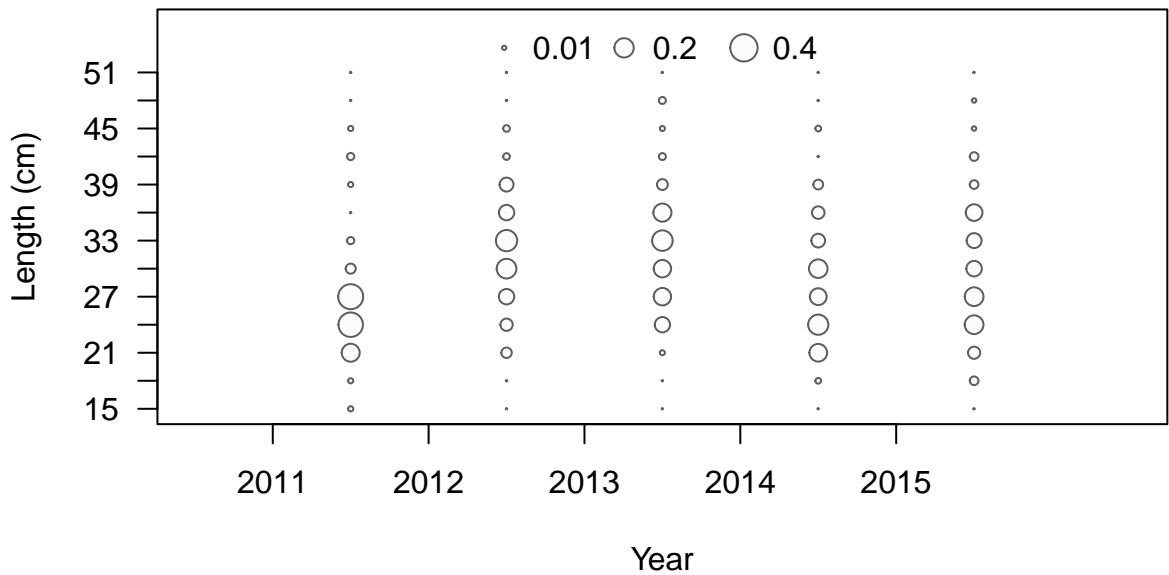




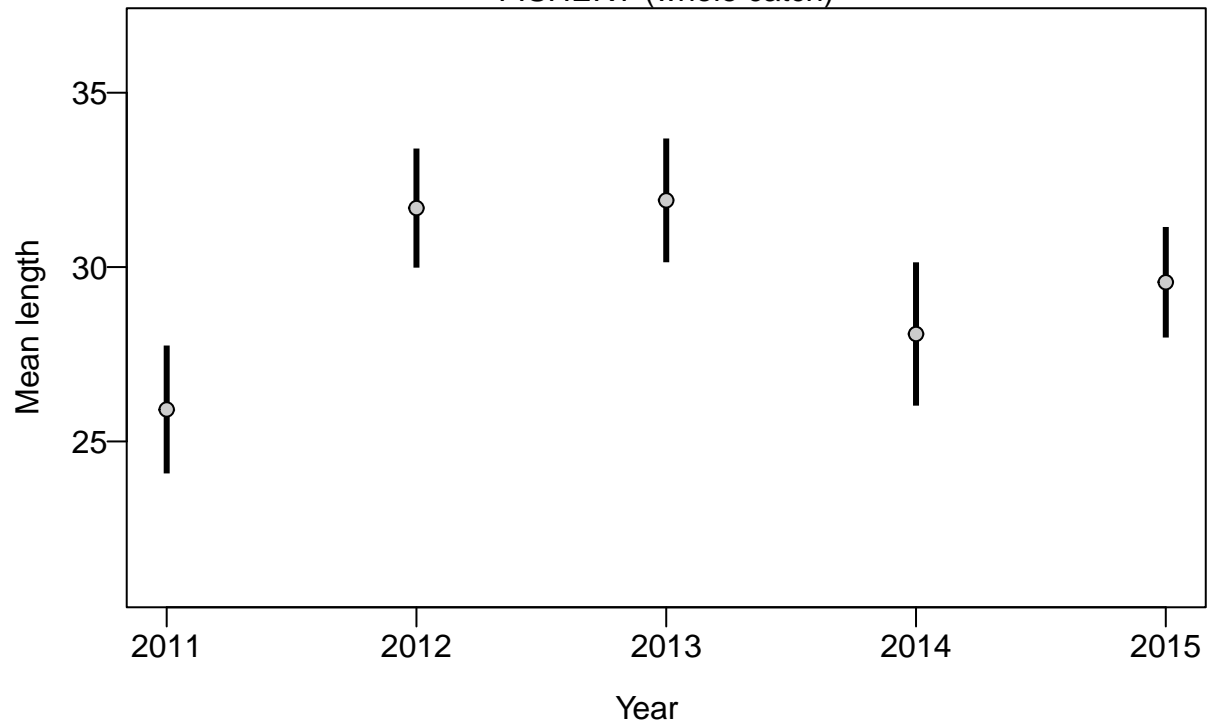
Proportion

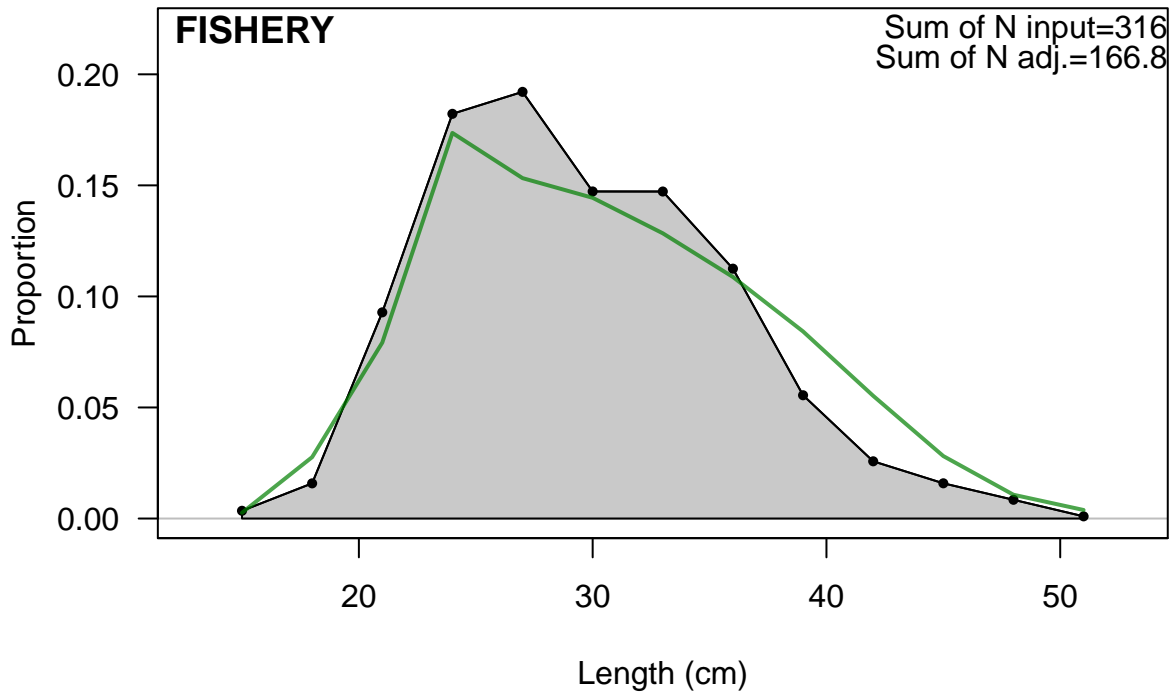


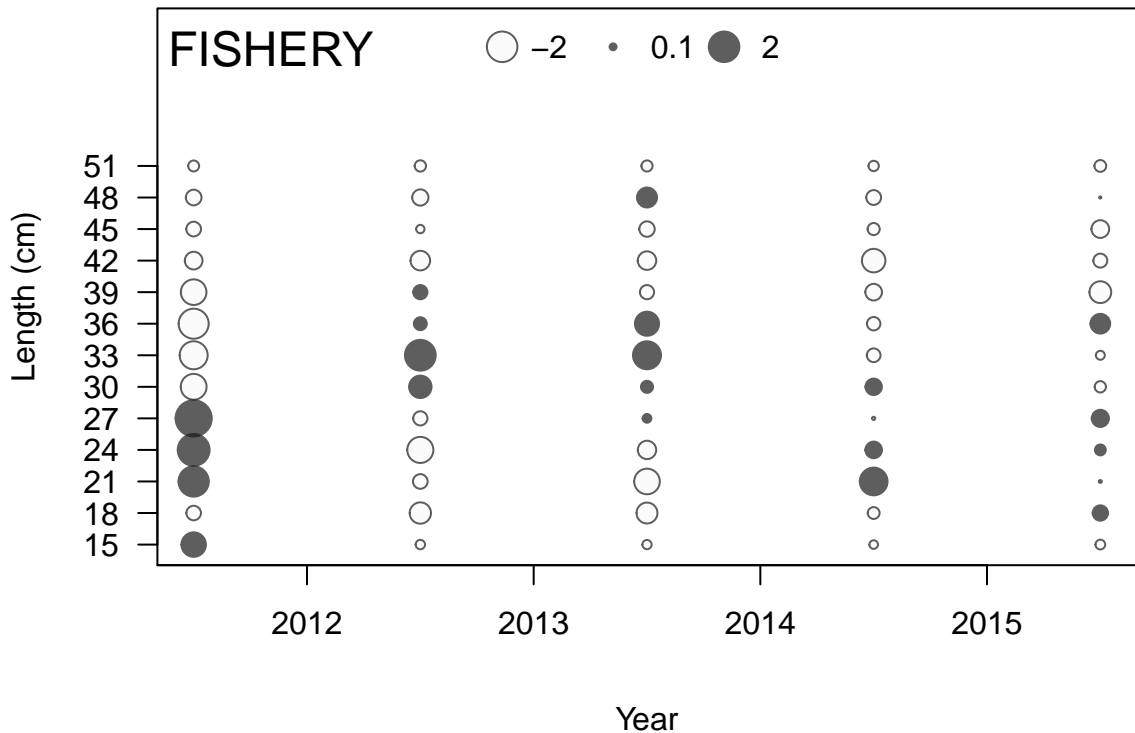
Length (cm)



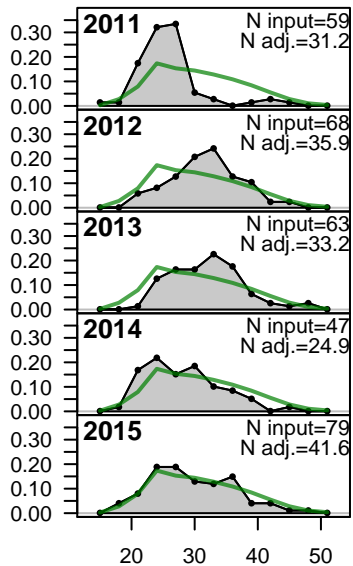
FISHERY (whole catch)



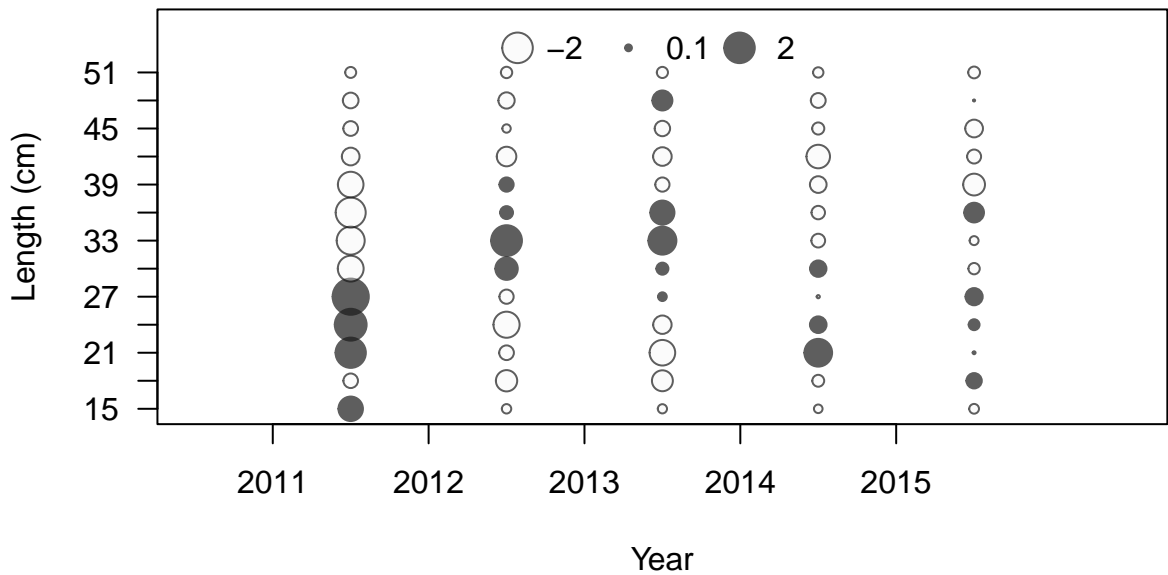




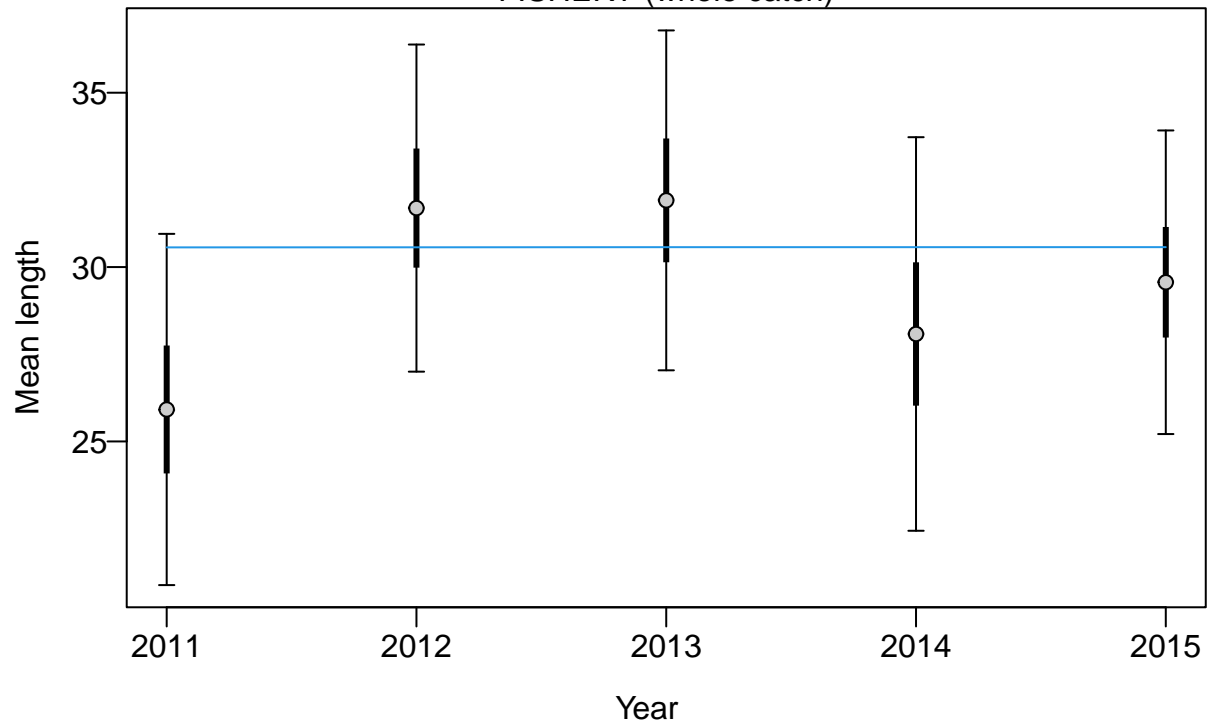
Proportion

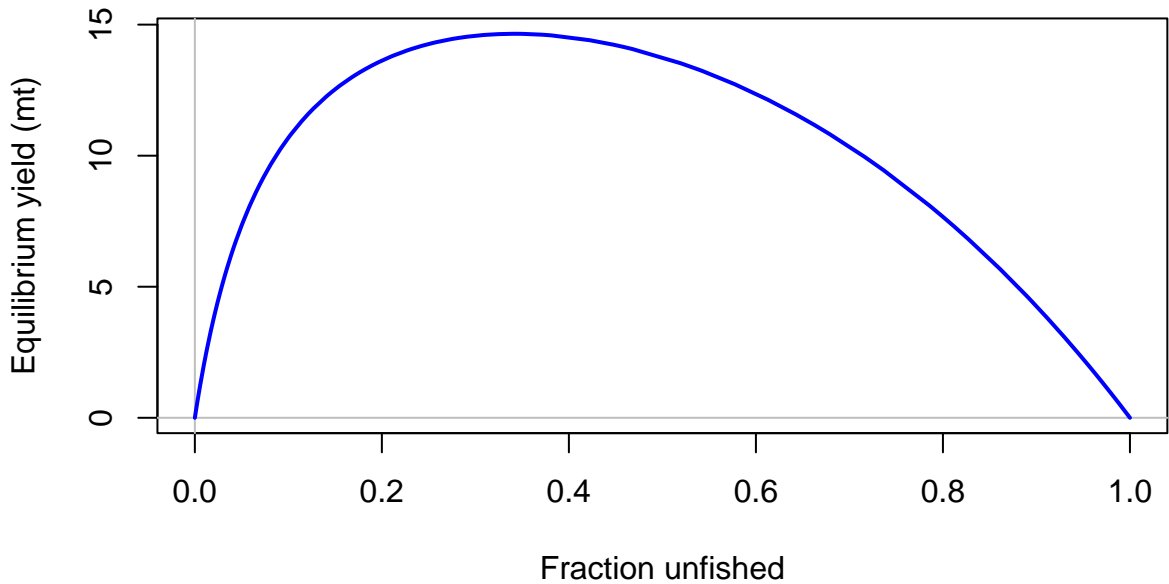


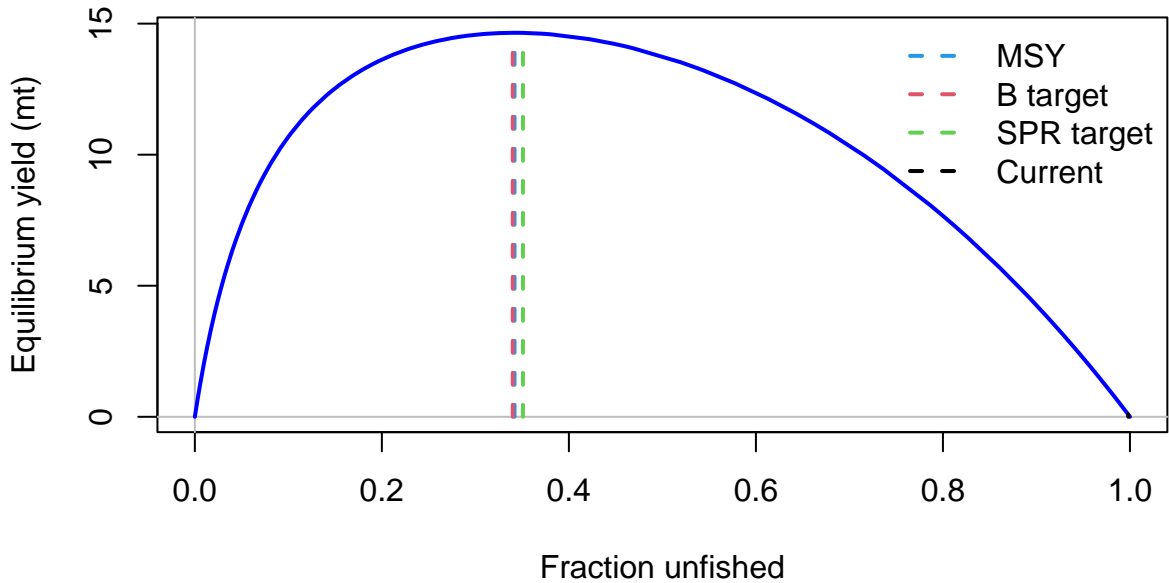
Length (cm)

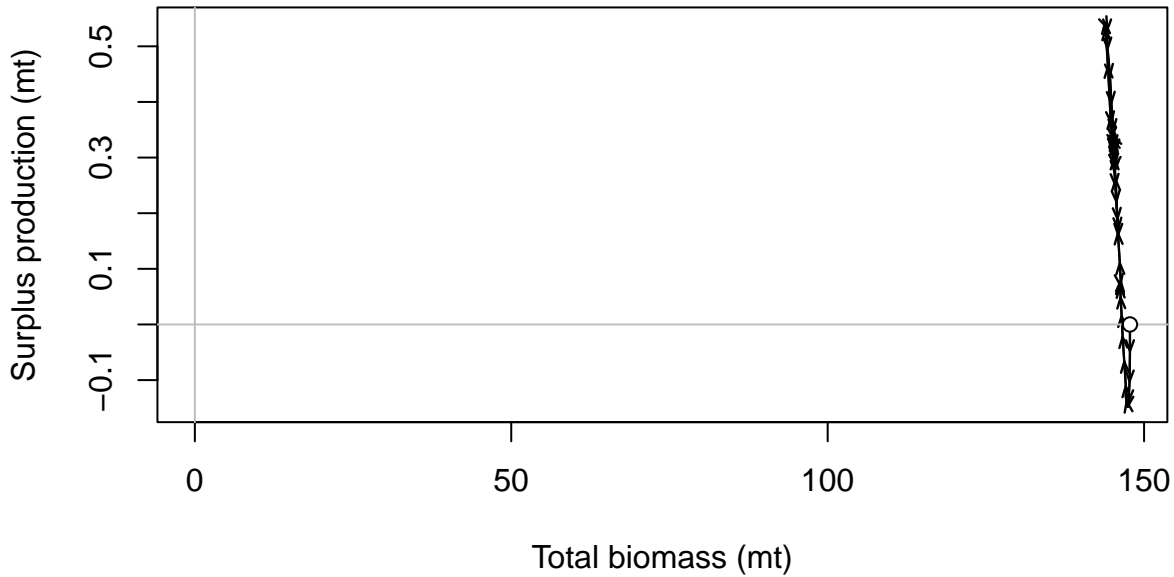


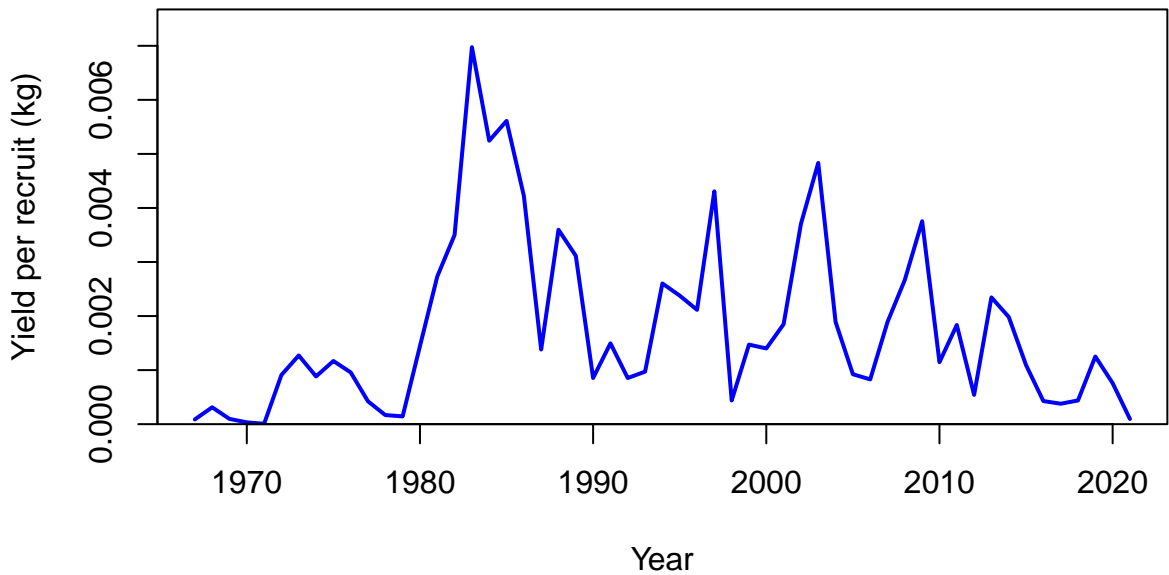
FISHERY (whole catch)

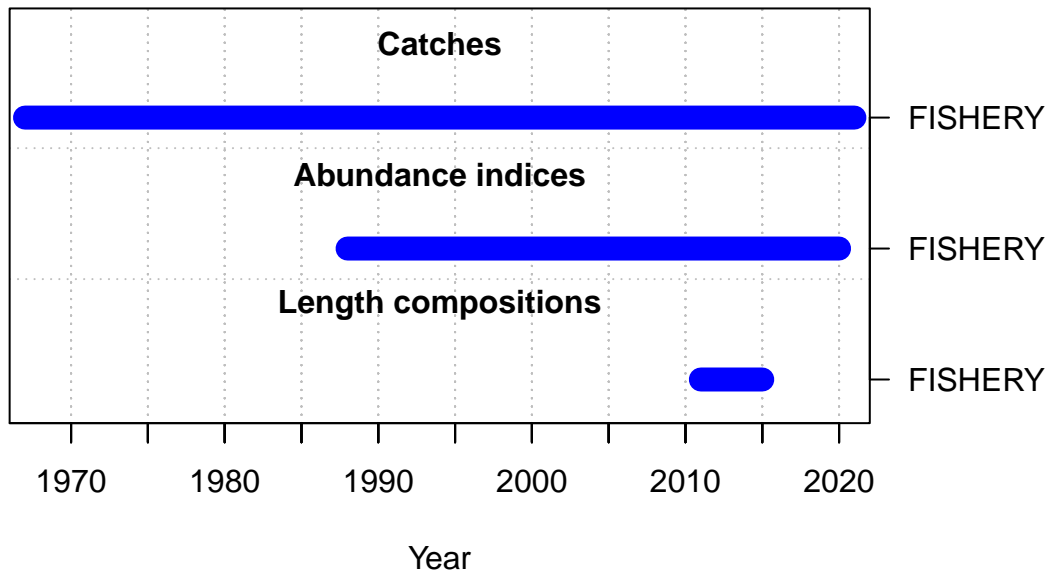


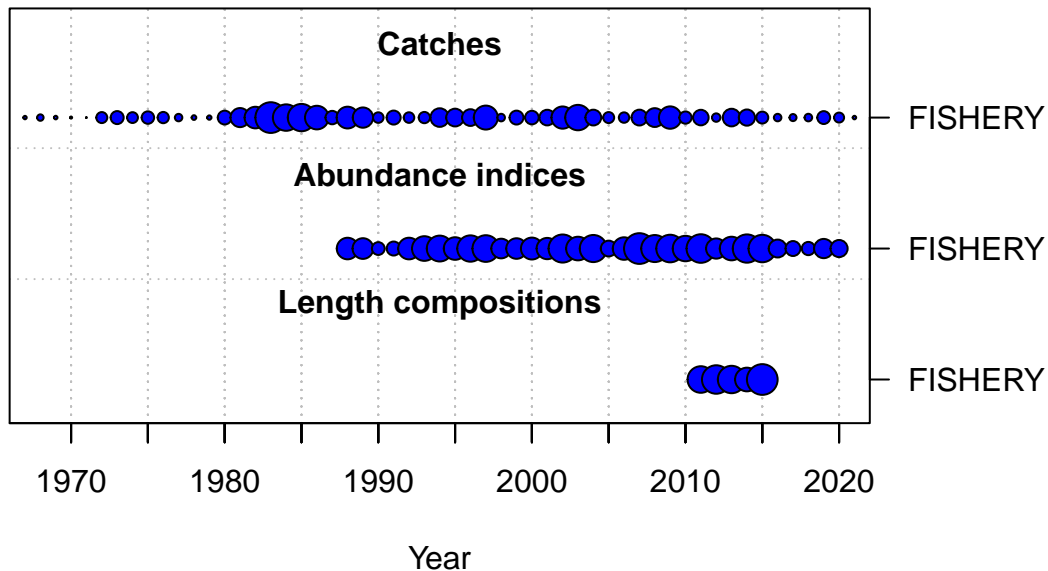




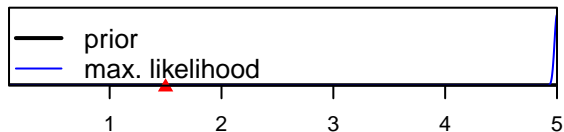




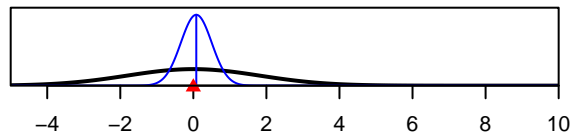




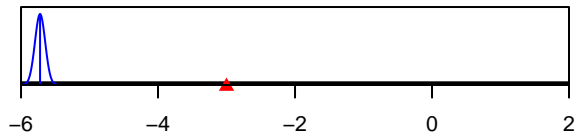
SR_LN(R0)



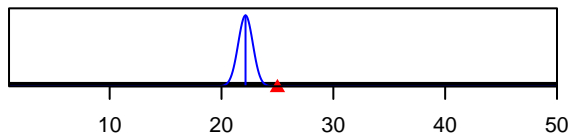
ln(DM_theta)_1



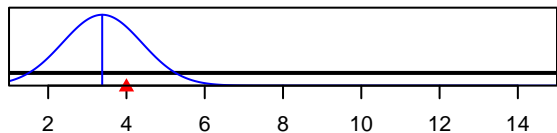
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value