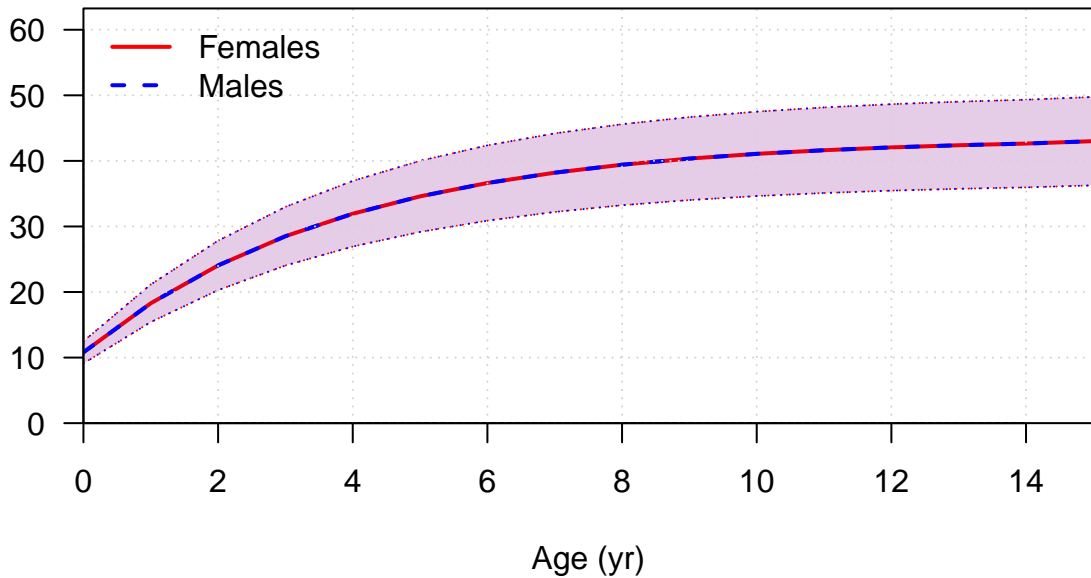
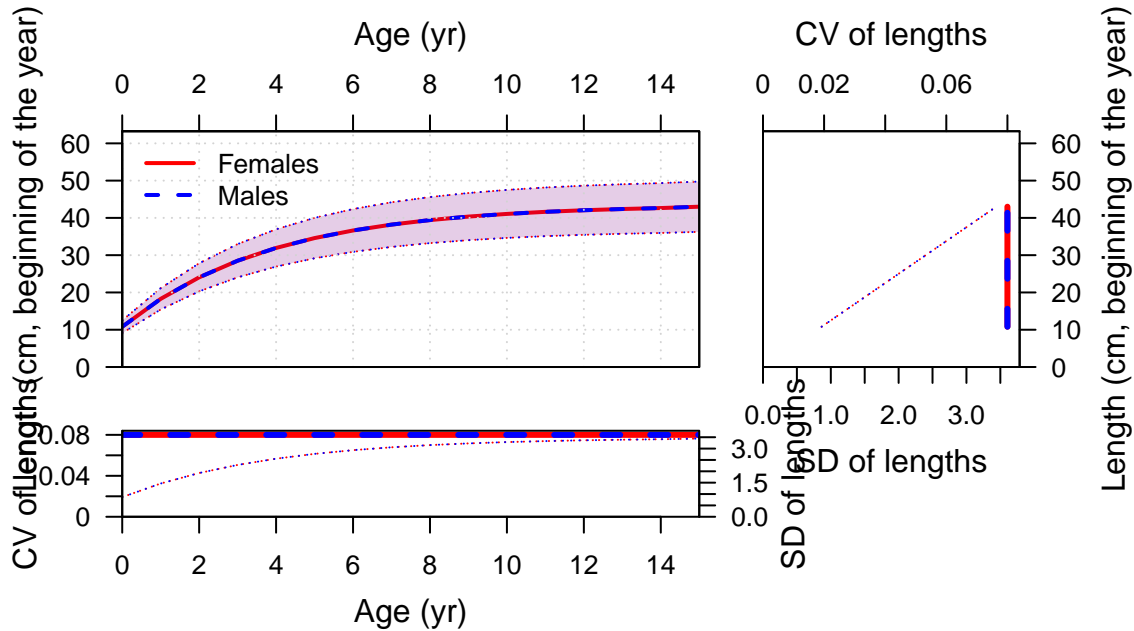
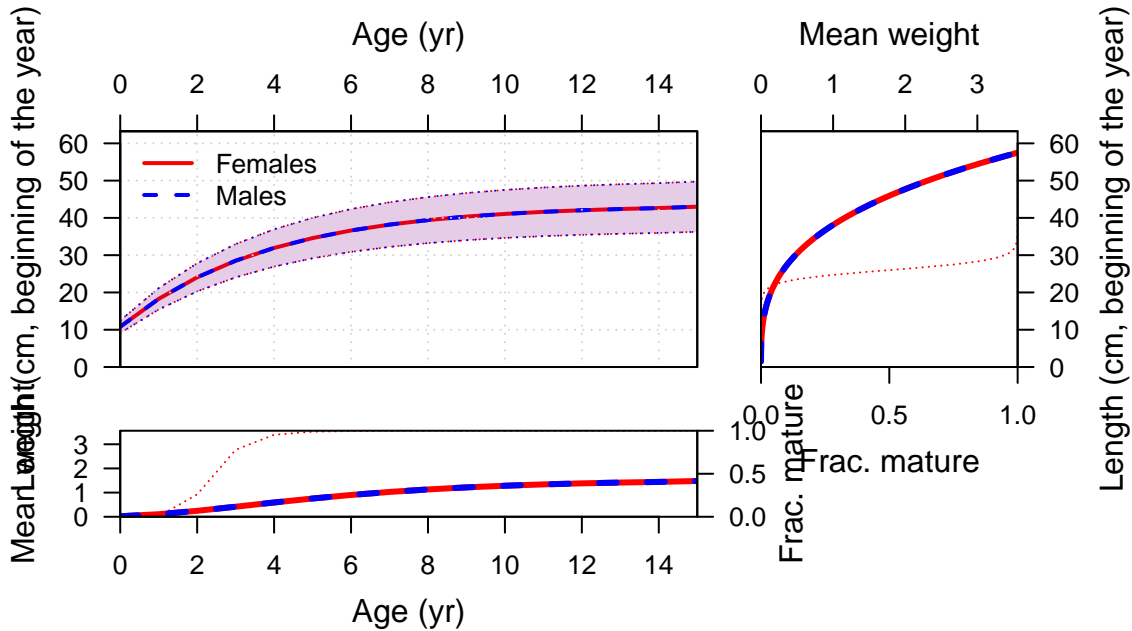


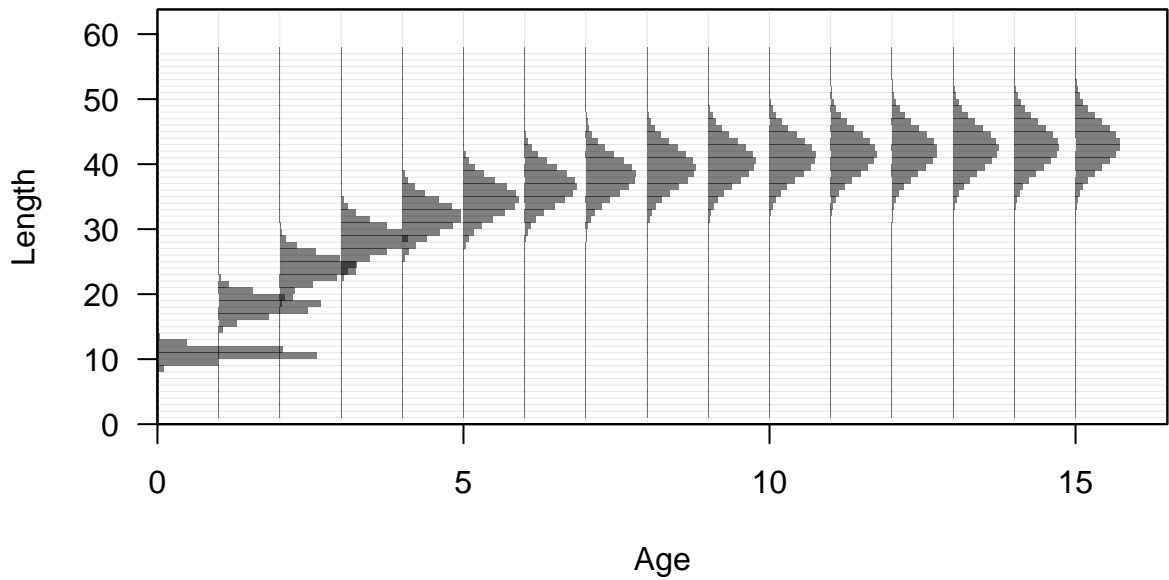
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Wed Aug 03 12:07:02 2022
Data_File: data.ss
Control_File: control.ss

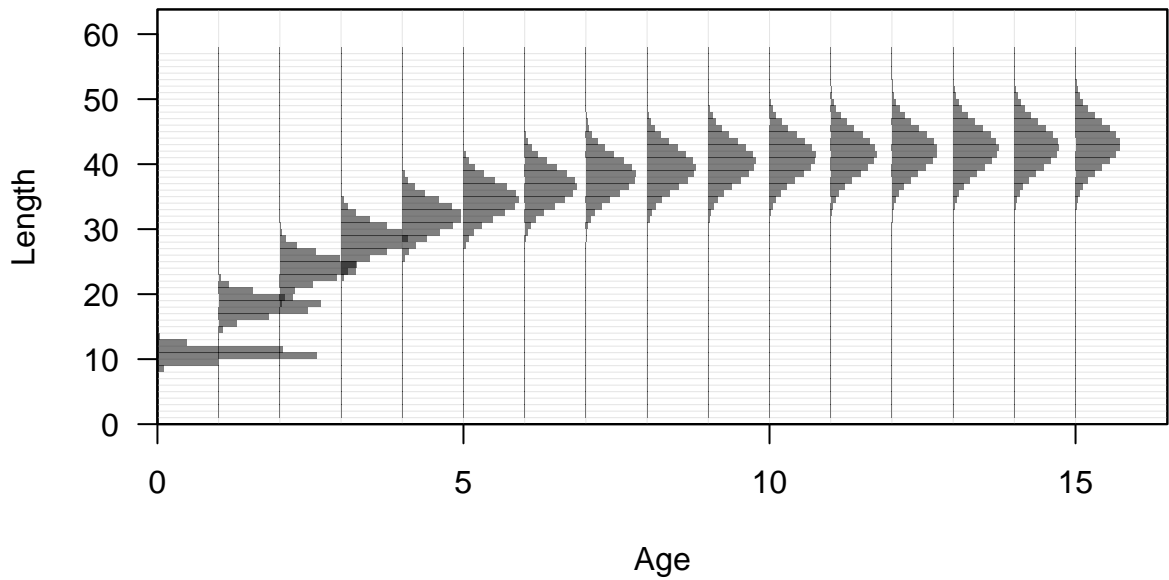
Length (cm, beginning of the year)

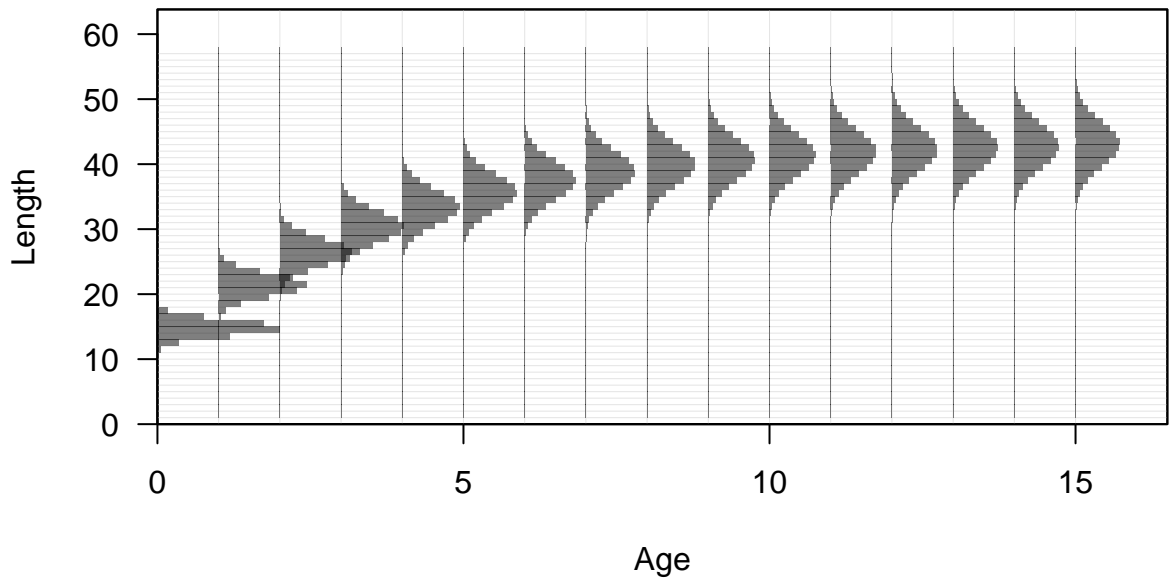


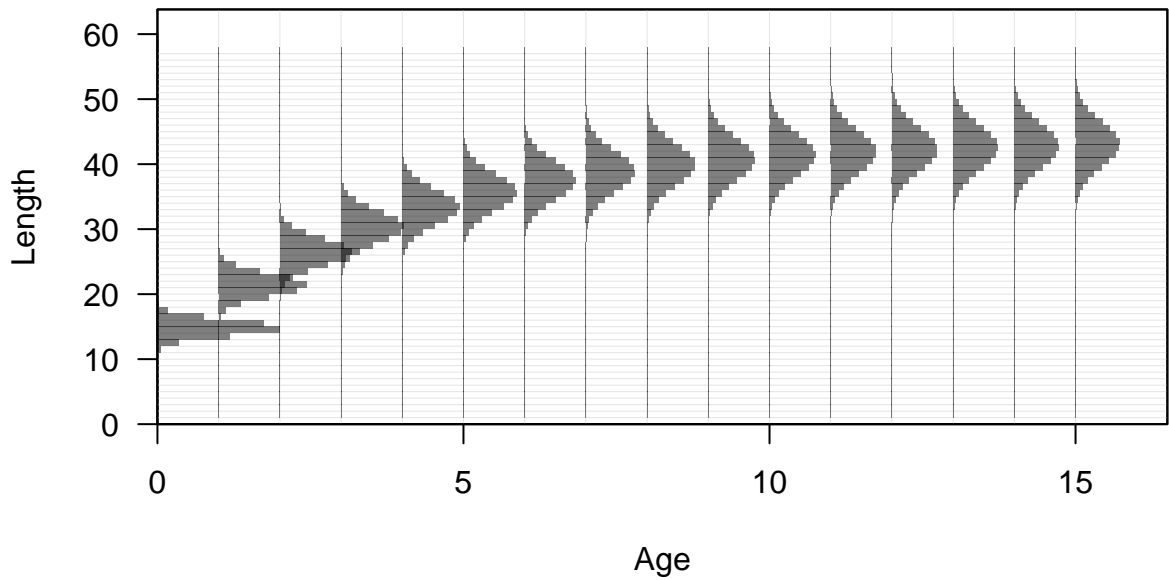




















Fecundity



Fecundity



Spawning output

3

2

1

0

0

10

20

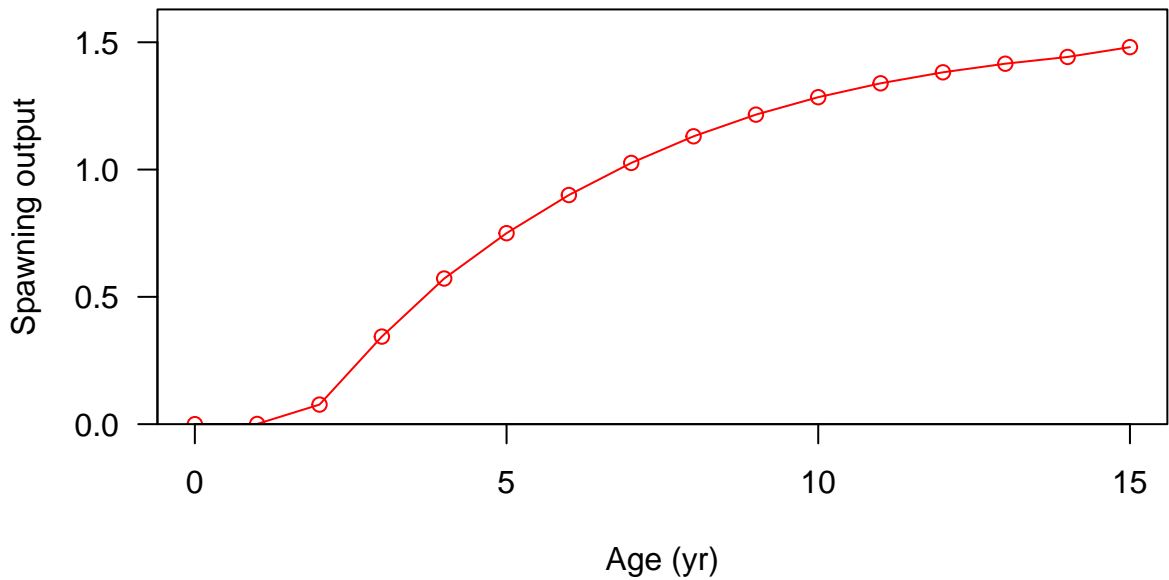
30

40

50

Length (cm)





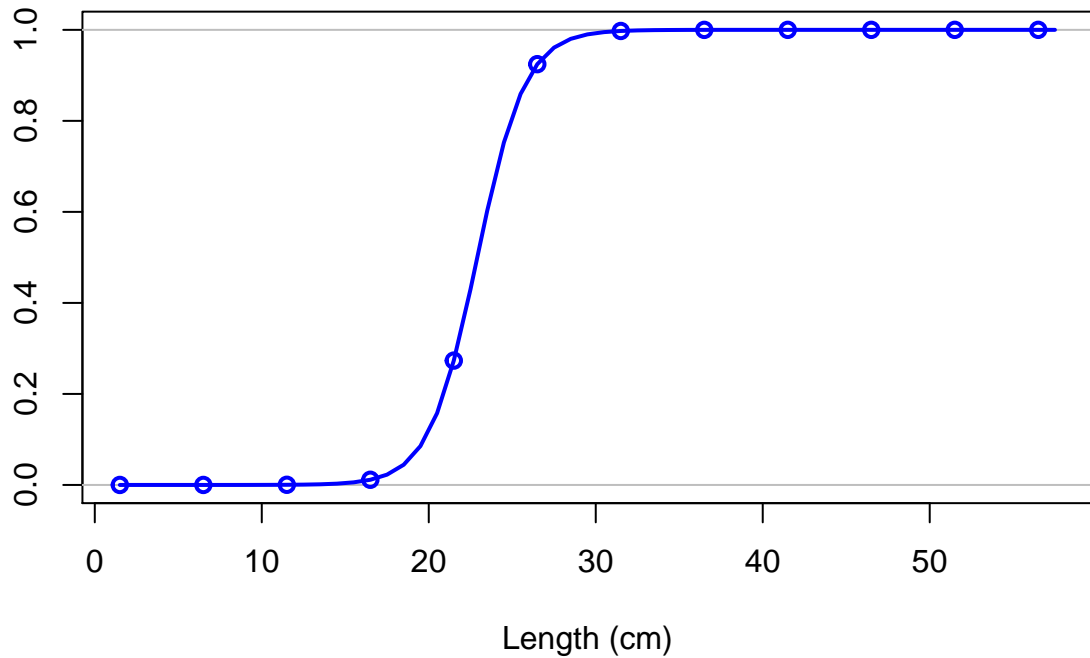
Hermaphroditism transition rate



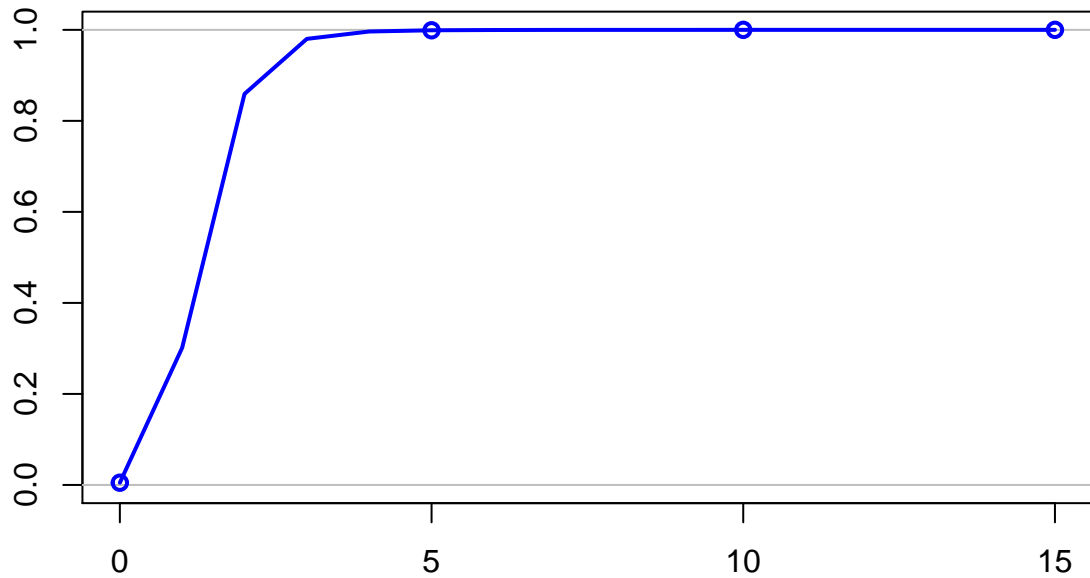
Fraction females by age at equilibrium



Selectivity

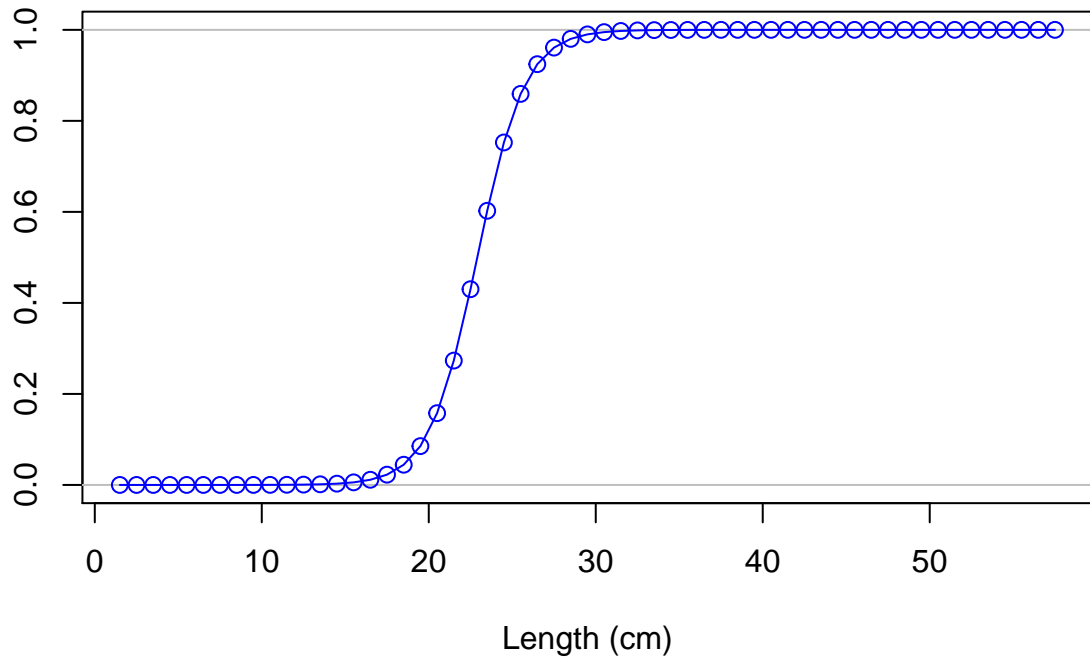


Selectivity

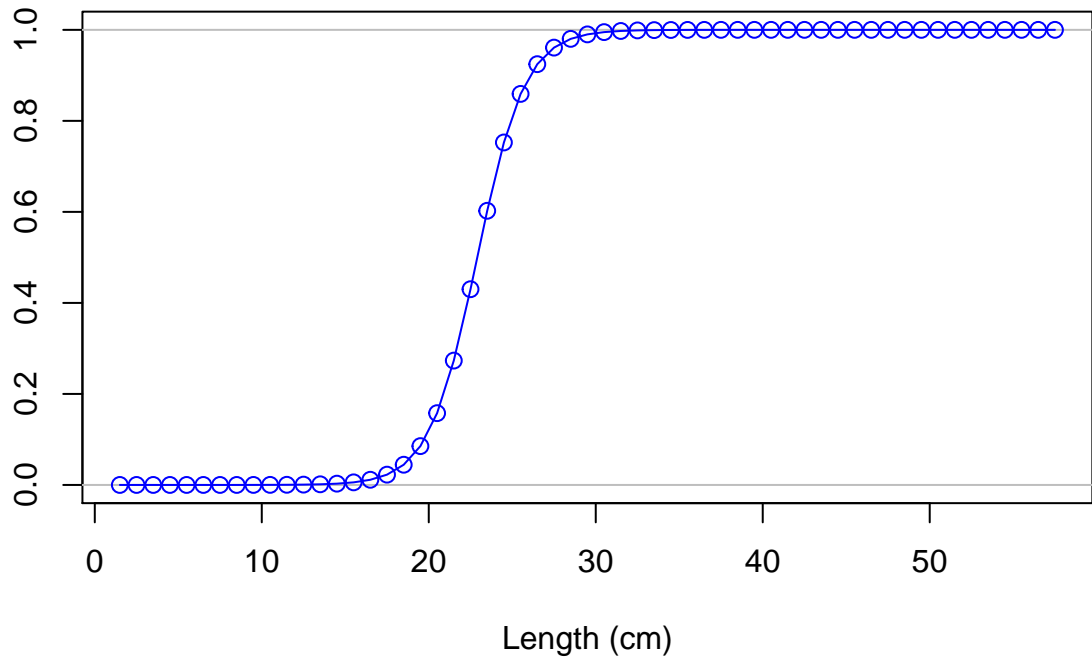


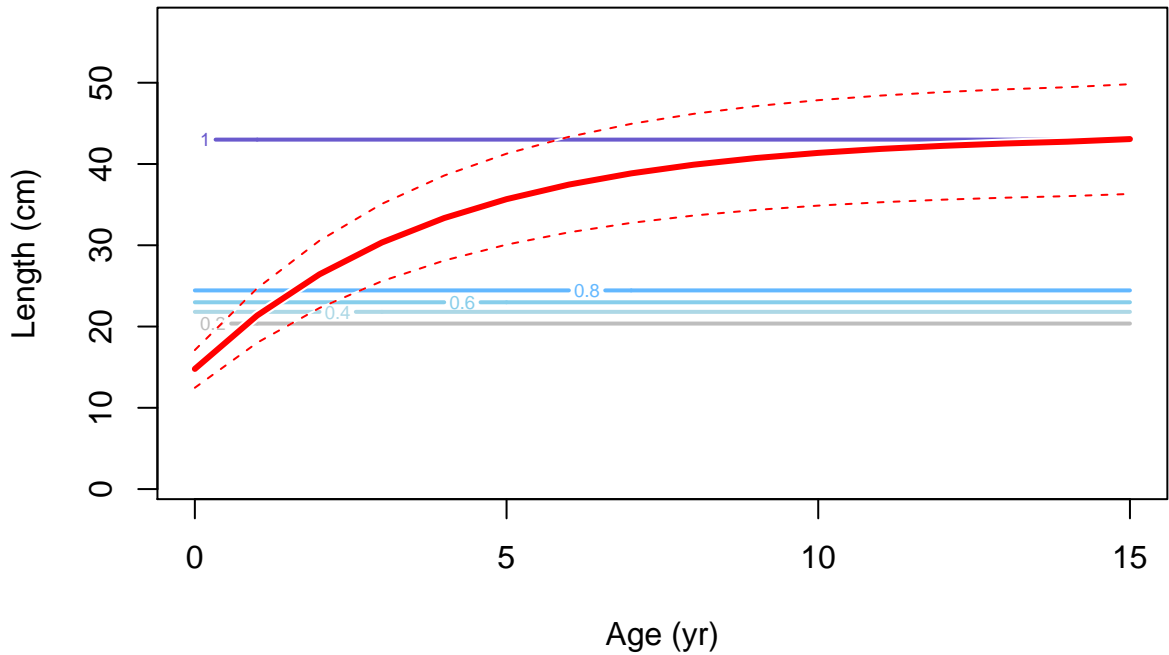
Age (yr)

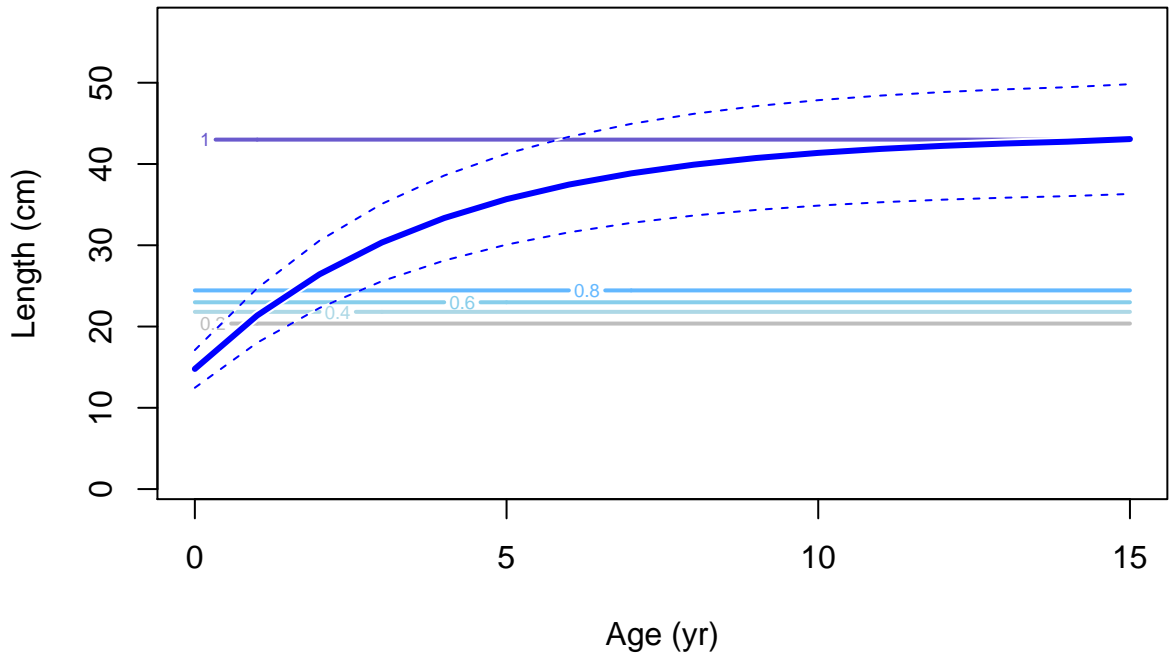
Selectivity

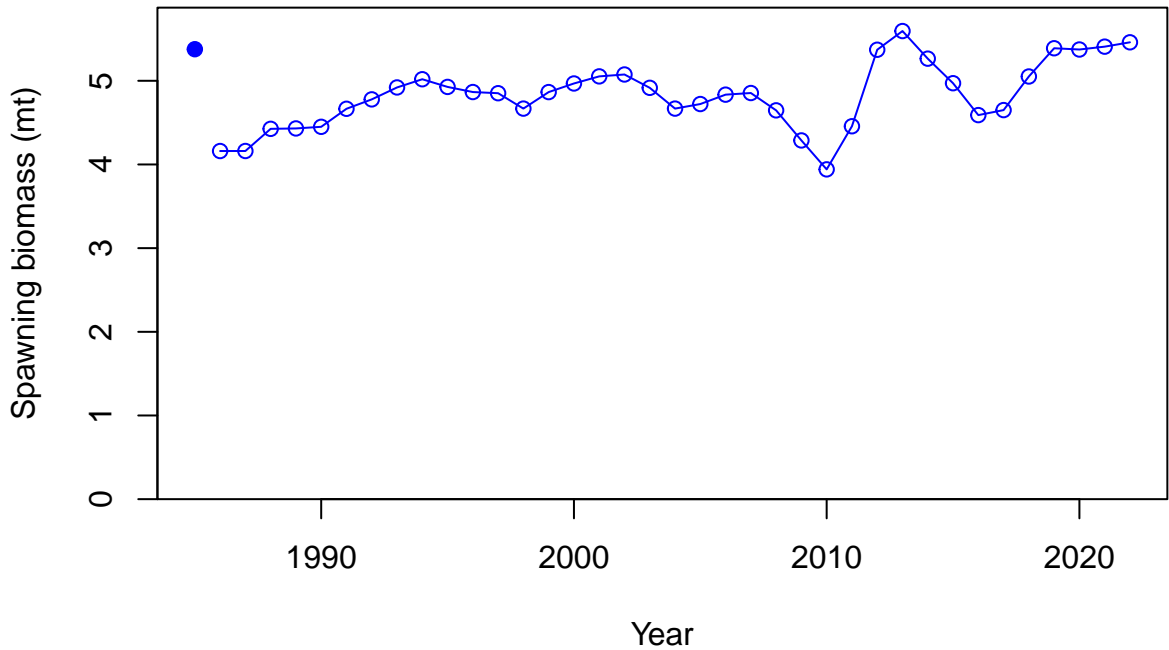


Selectivity

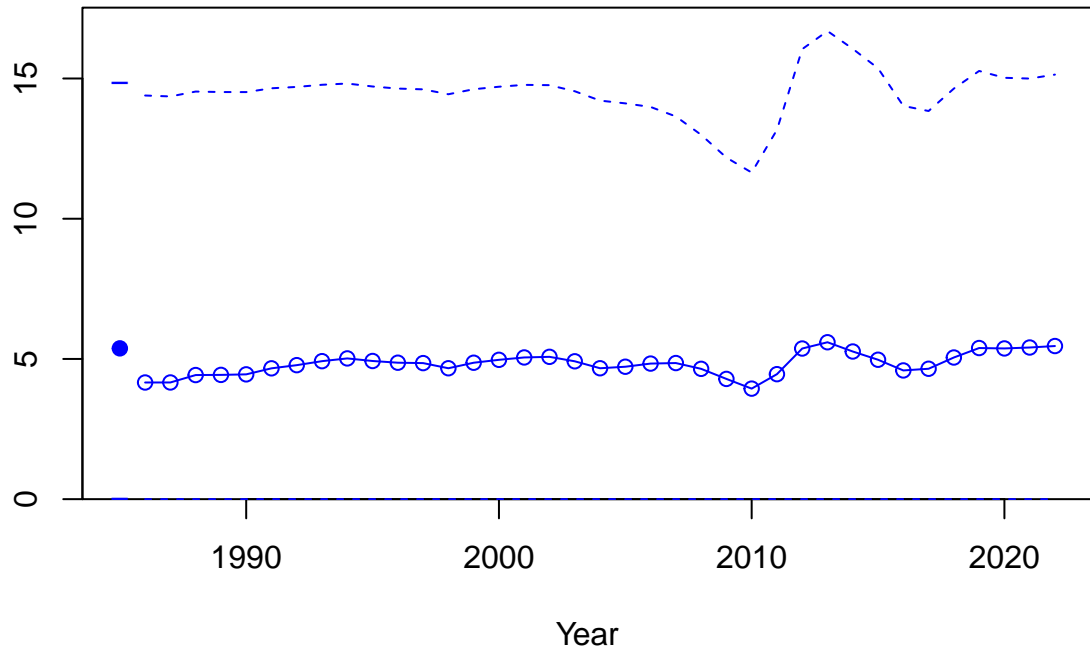




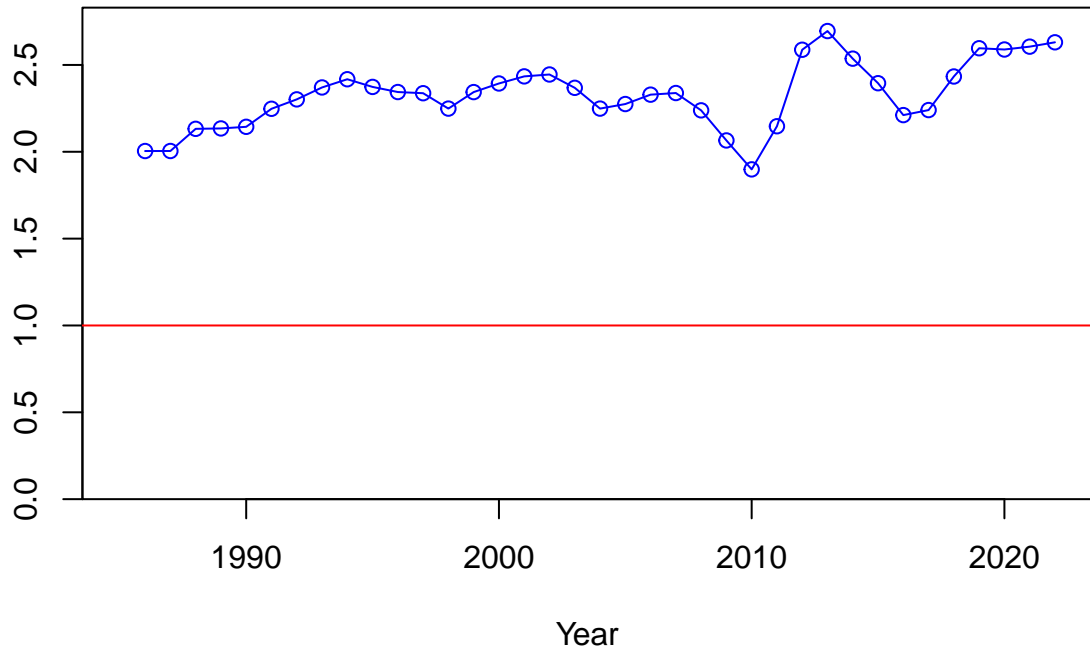




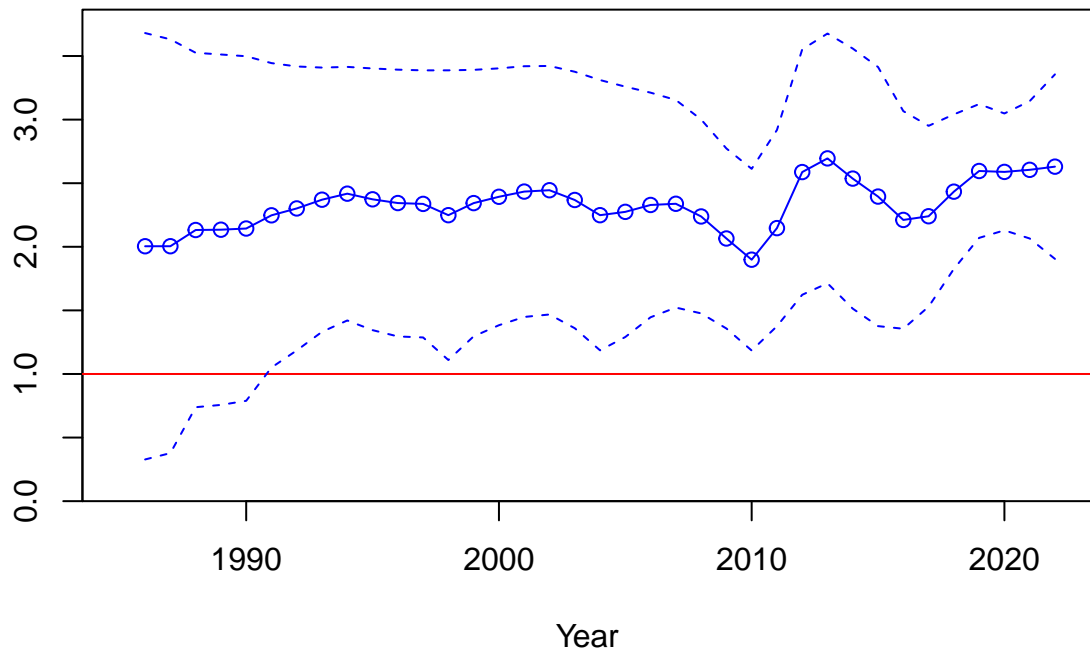
Spawning biomass (mt)

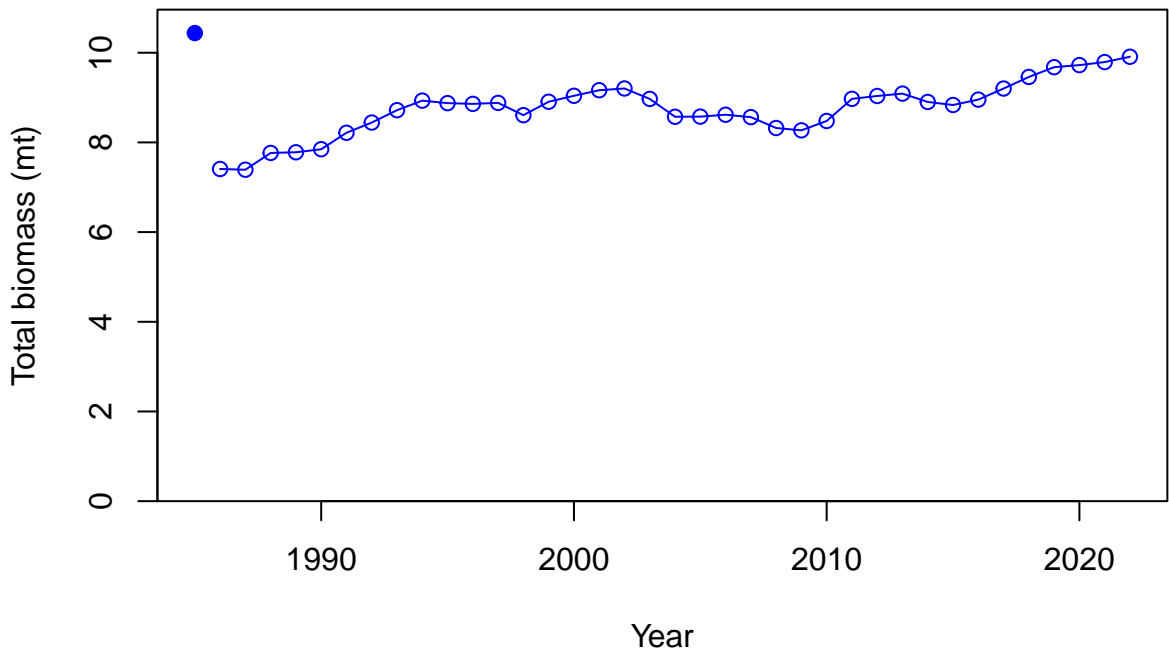


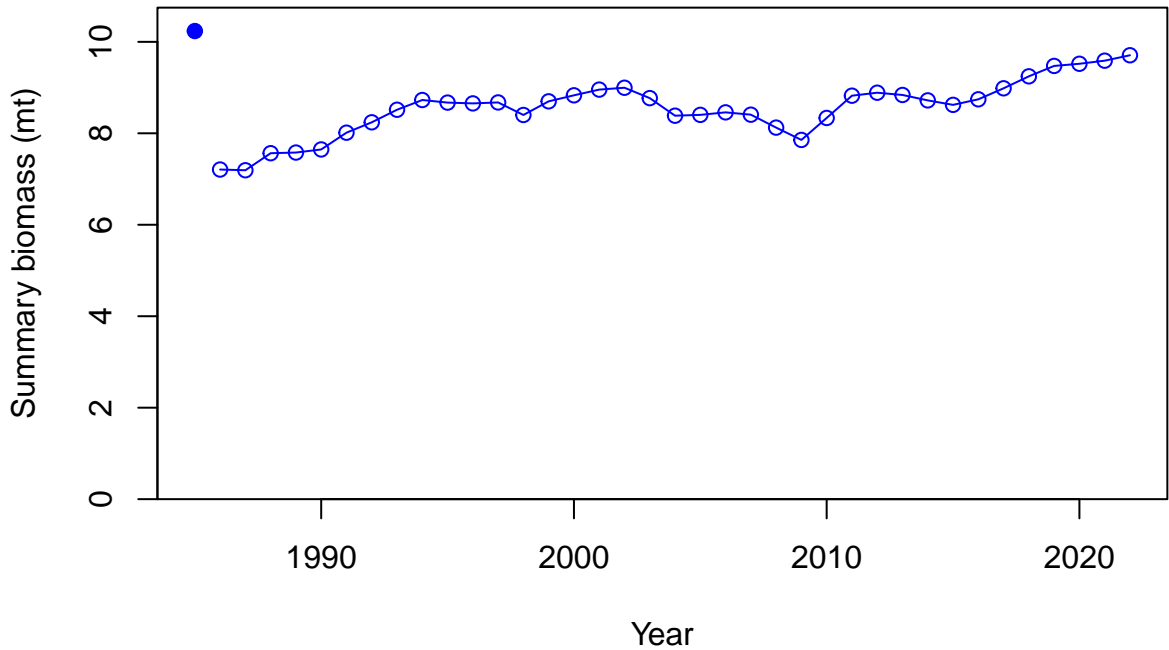
Relative spawning biomass: B/B_{MSY}



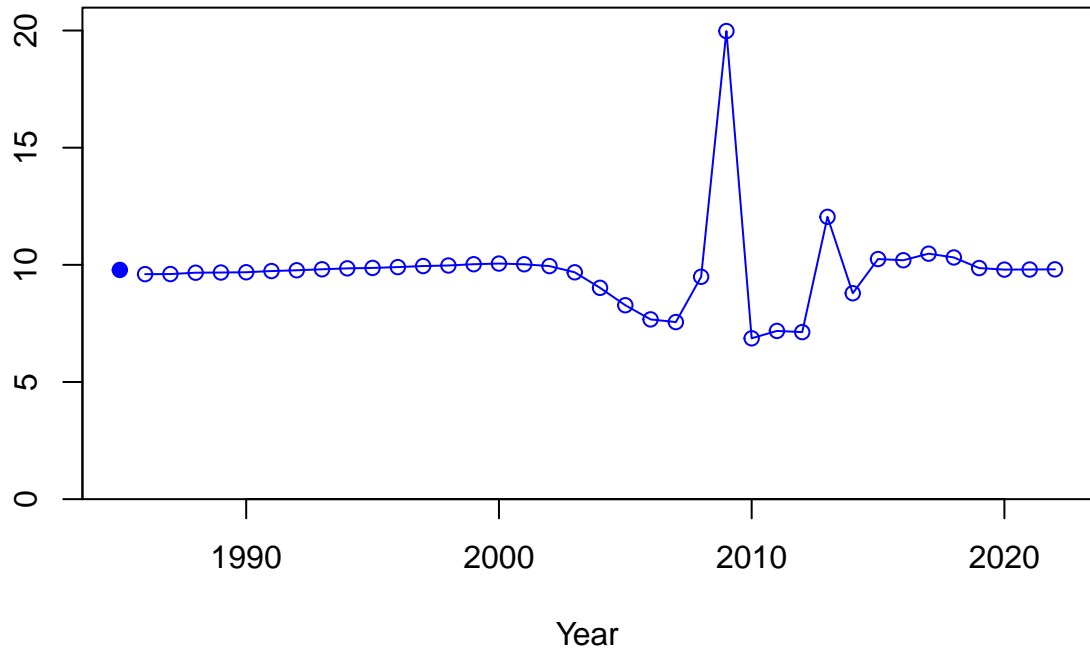
Relative spawning biomass: B/B_{MSY}

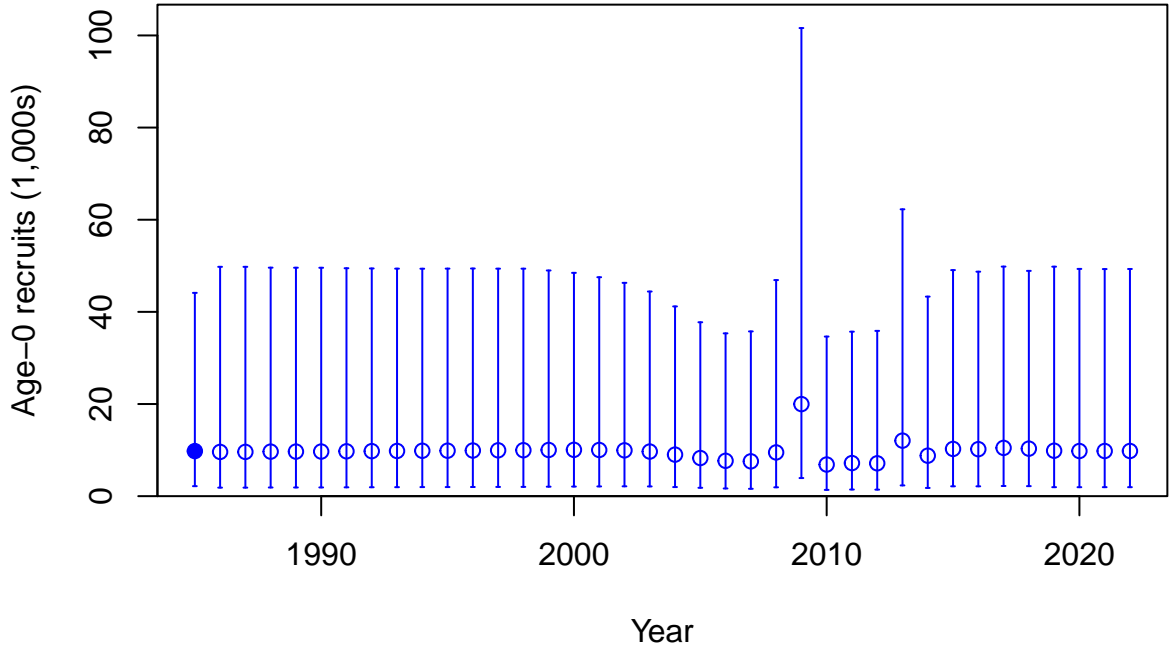




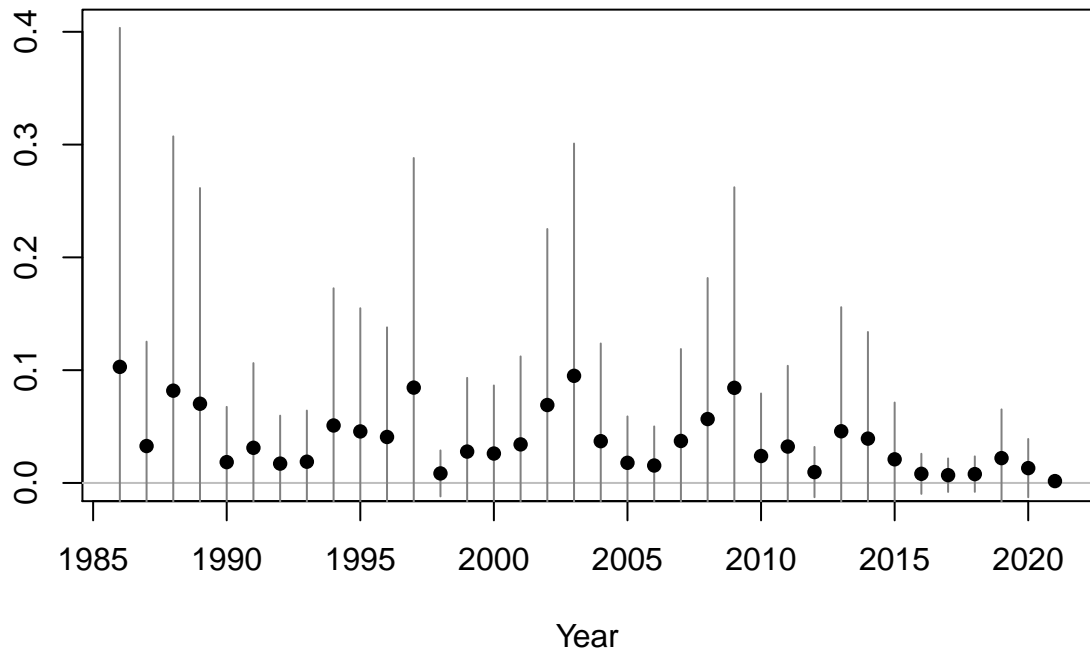


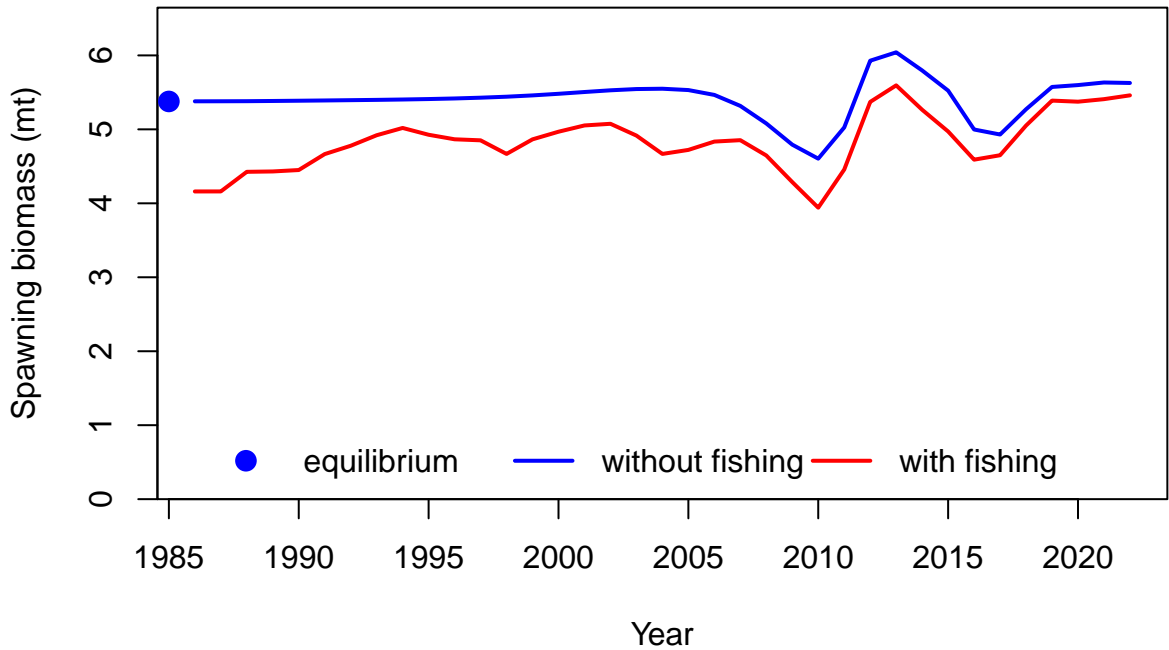
Age-0 recruits (1,000s)



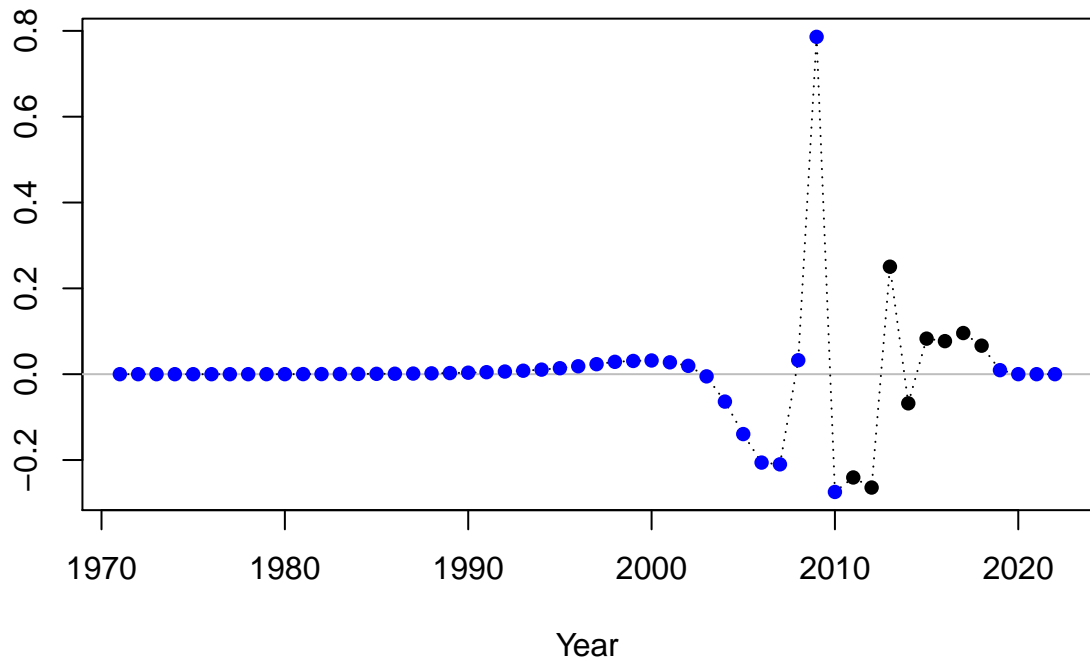


Summary Fishing Mortality

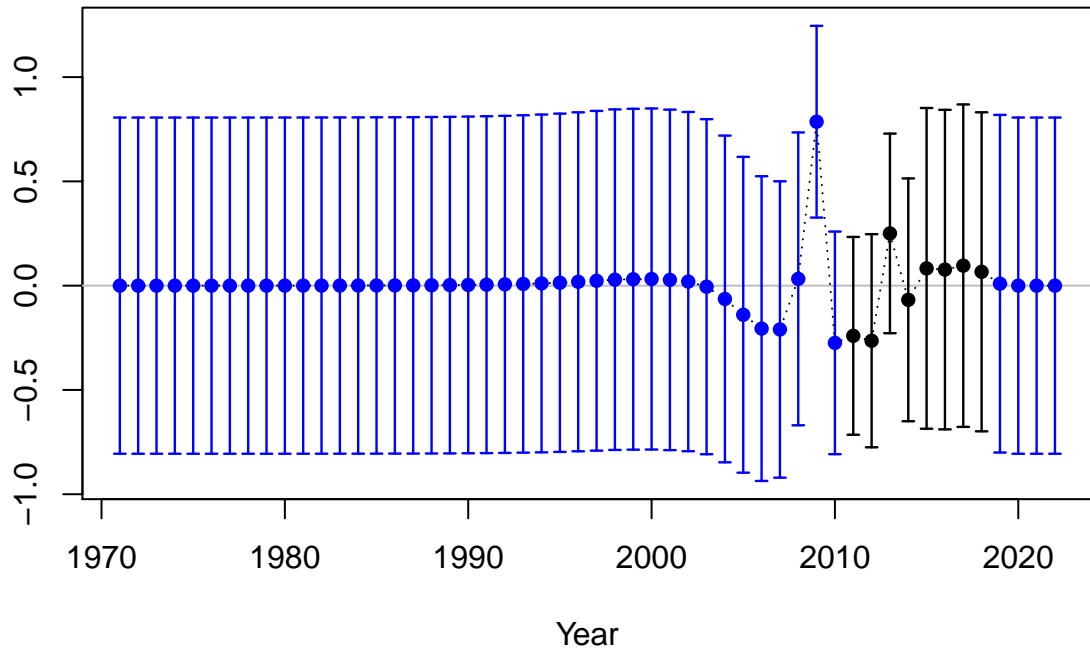




Log recruitment deviation

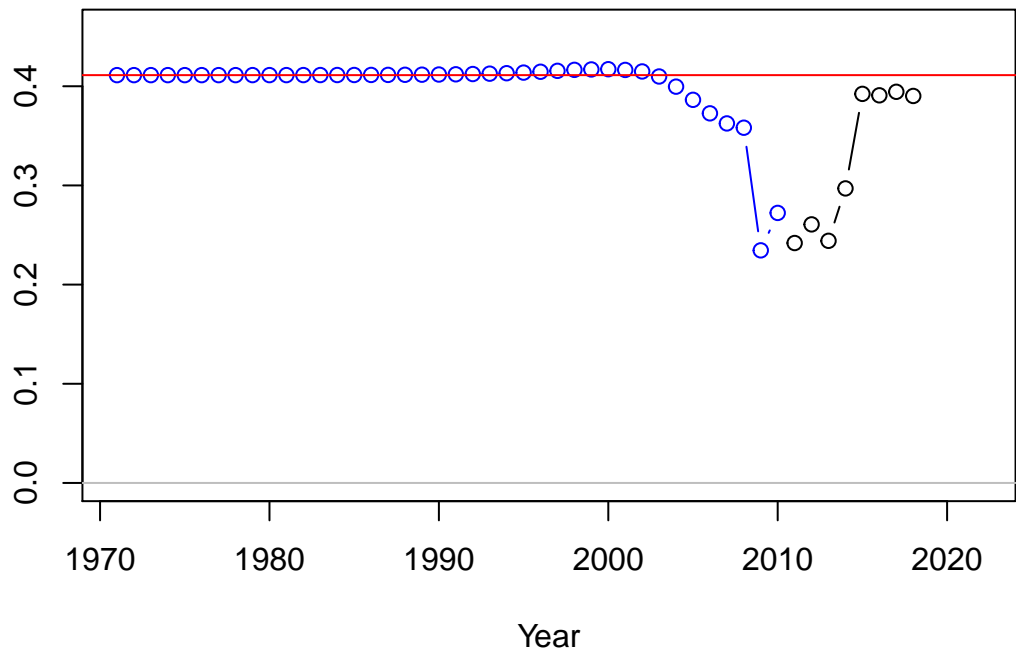


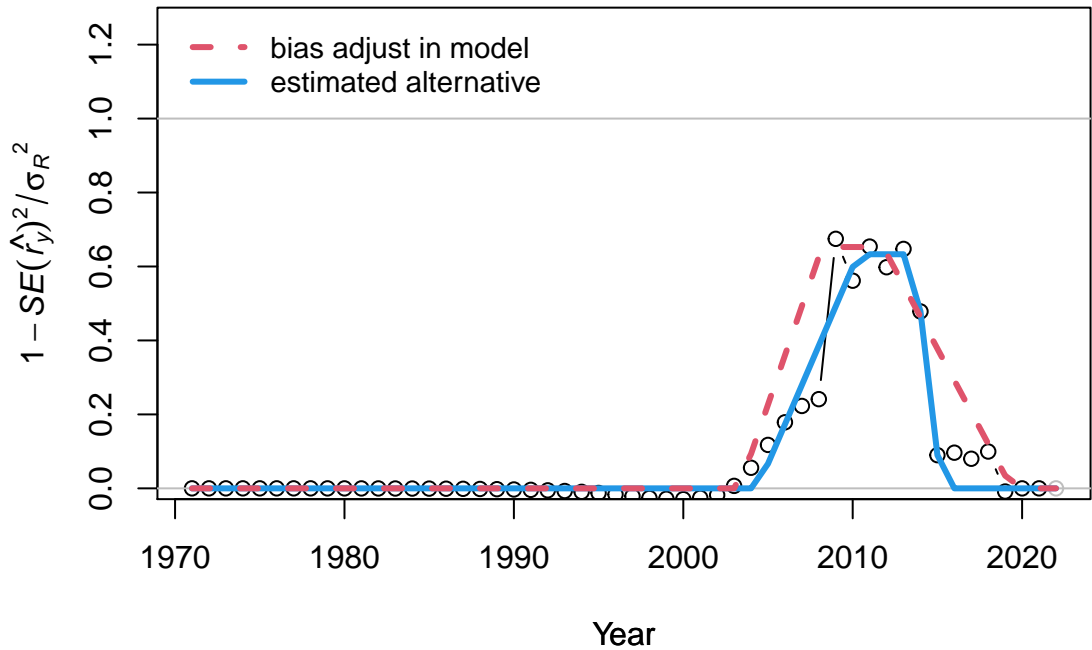
Log recruitment deviation

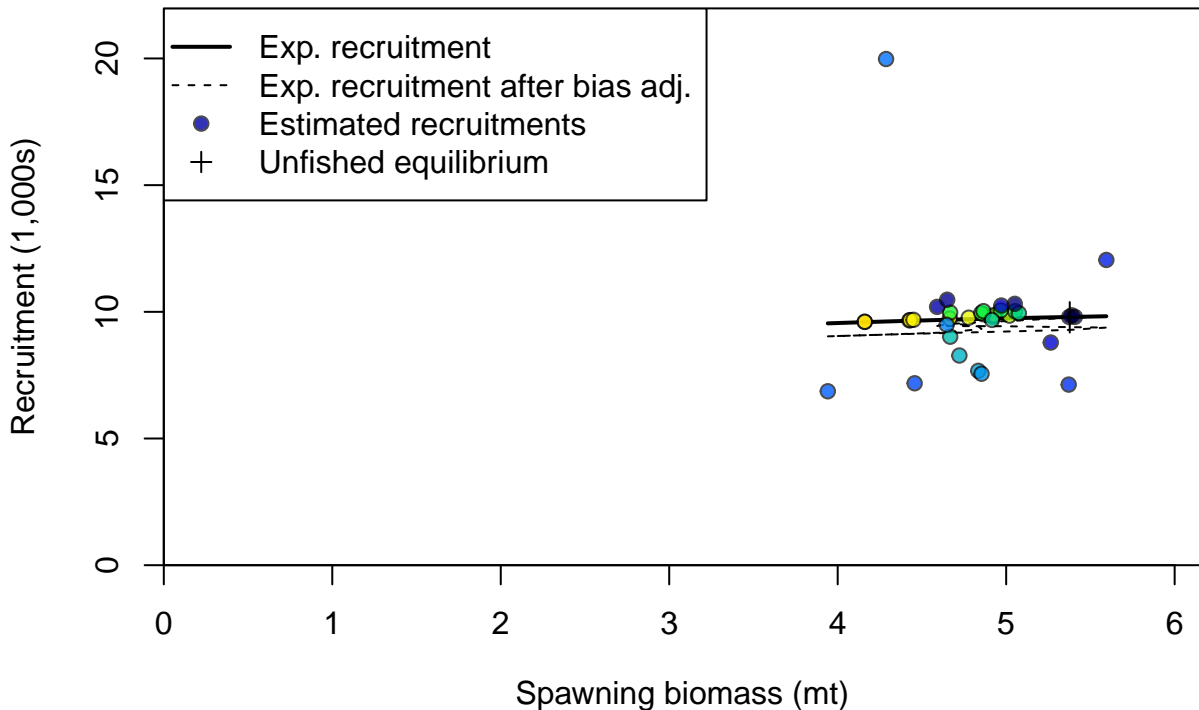


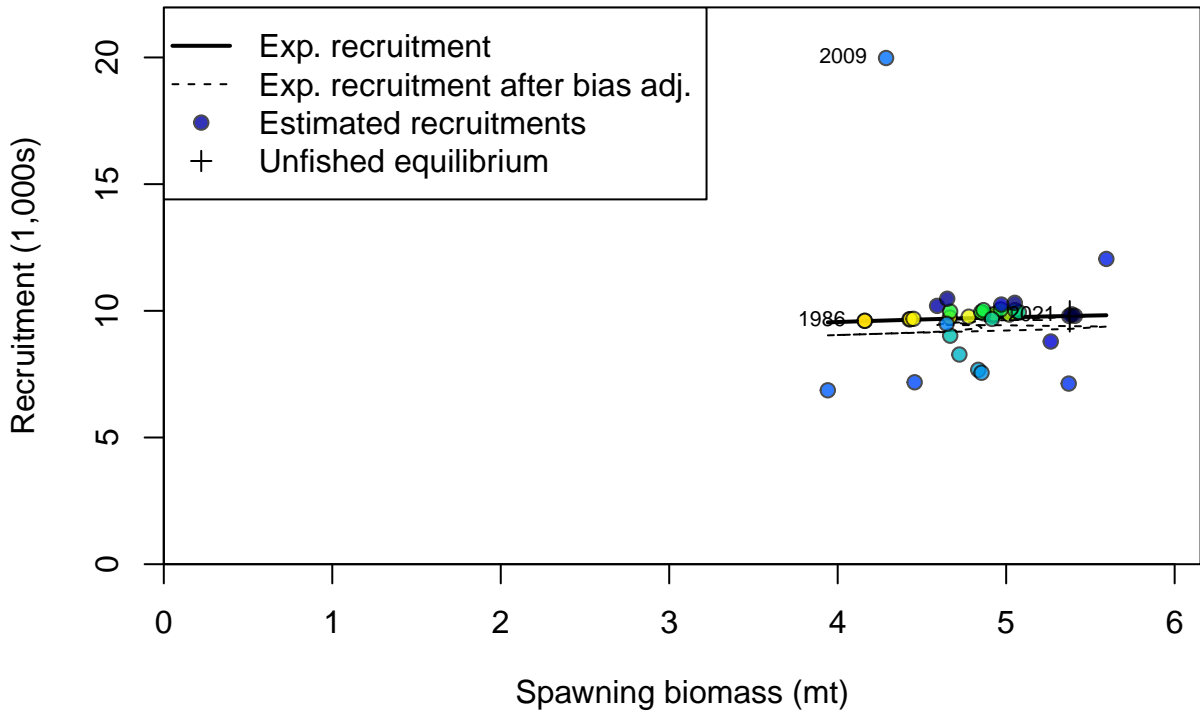
Recruitment deviation variance

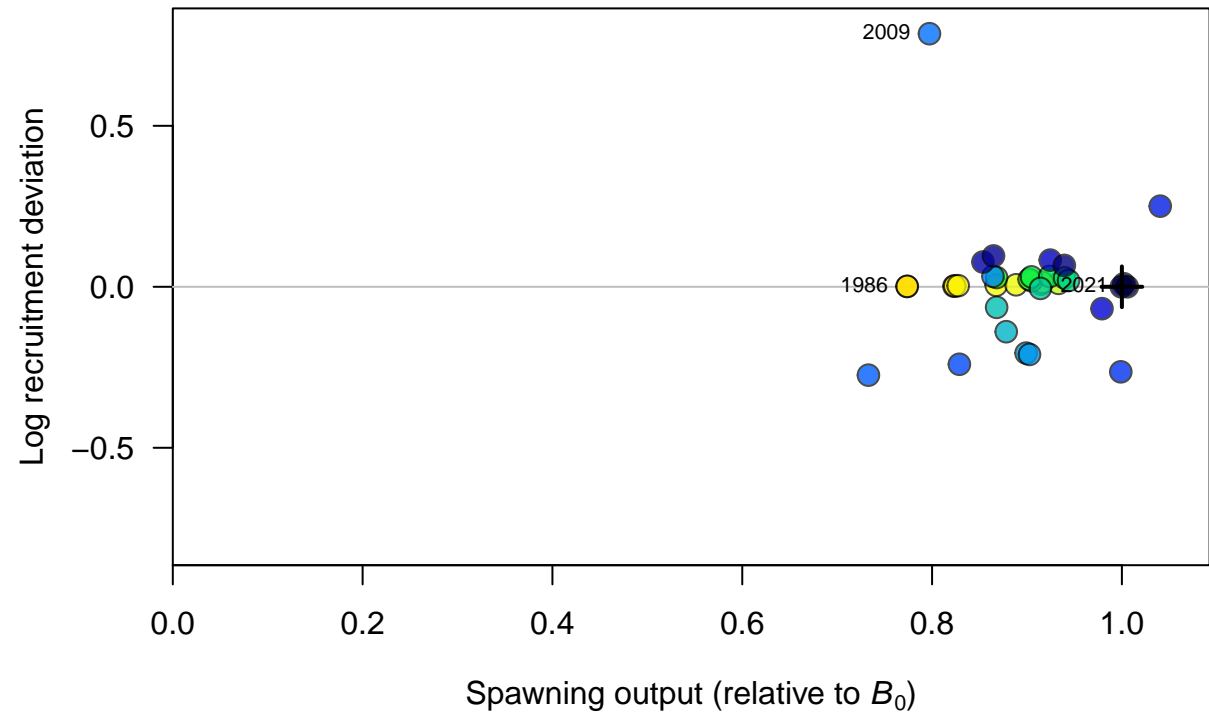
Asymptotic standard error estimate

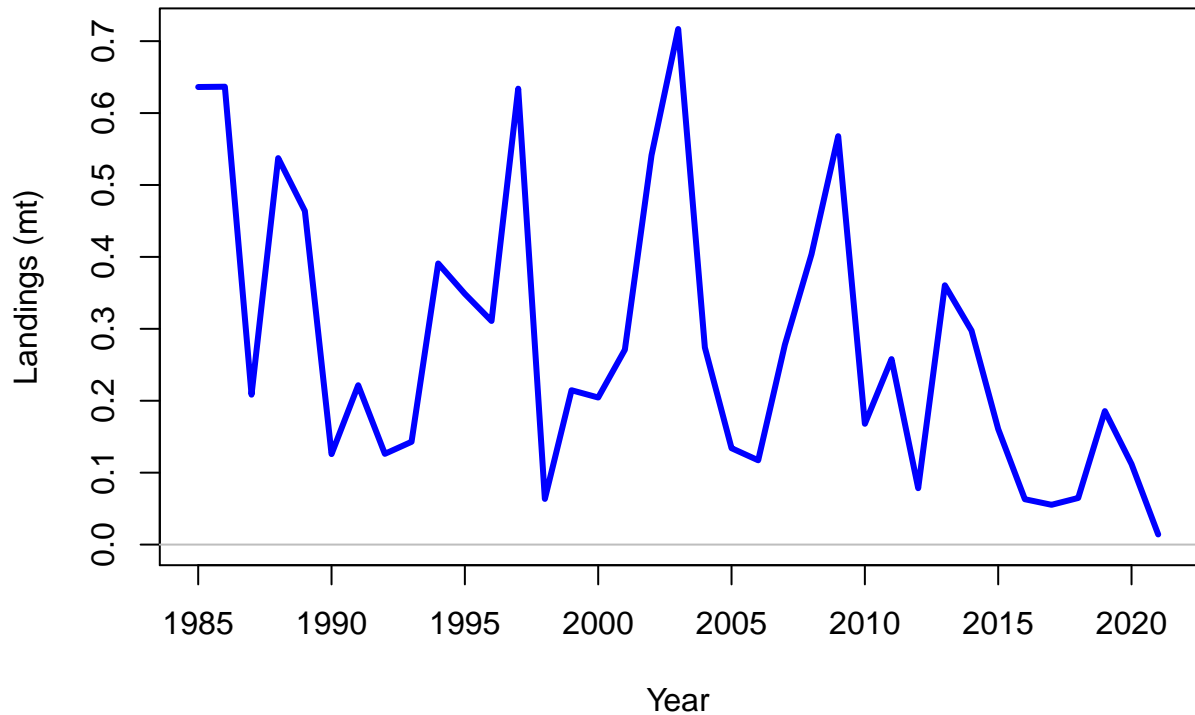


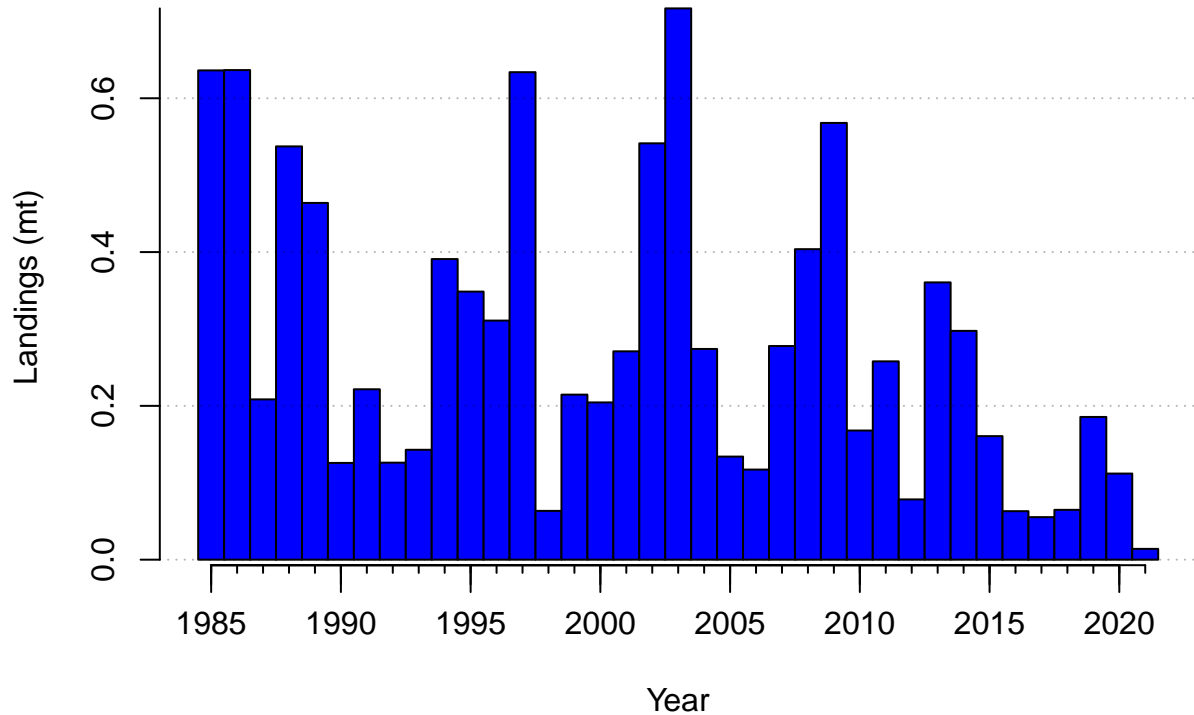


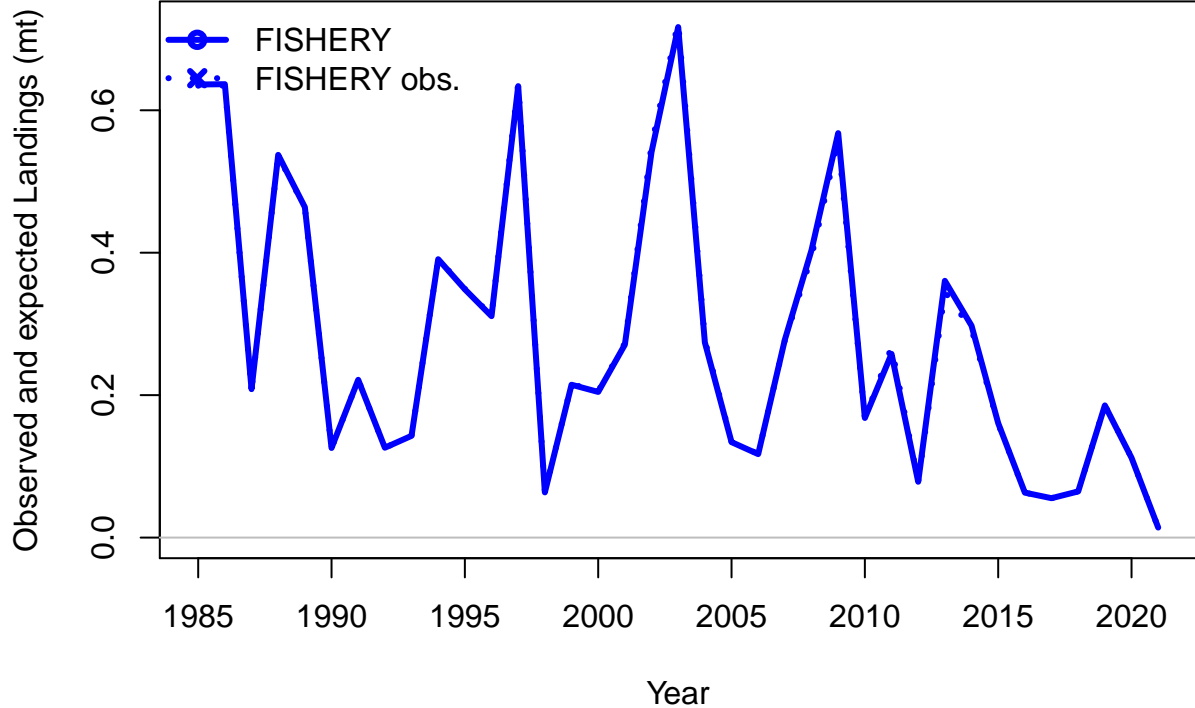


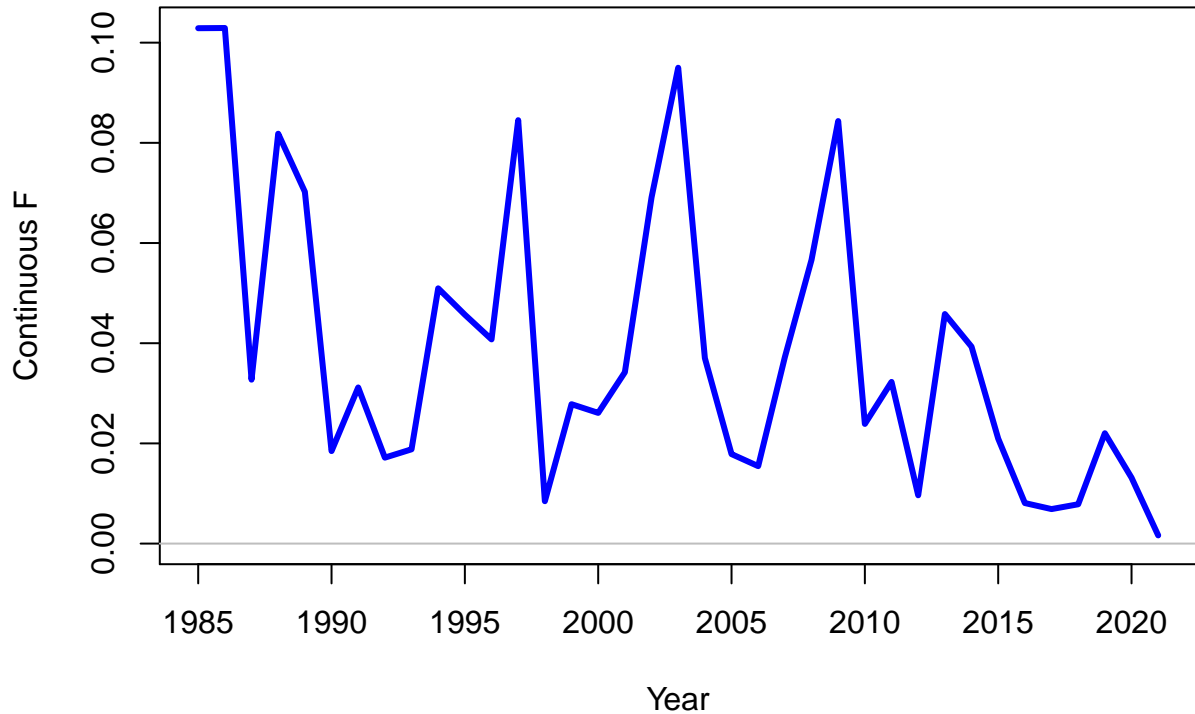




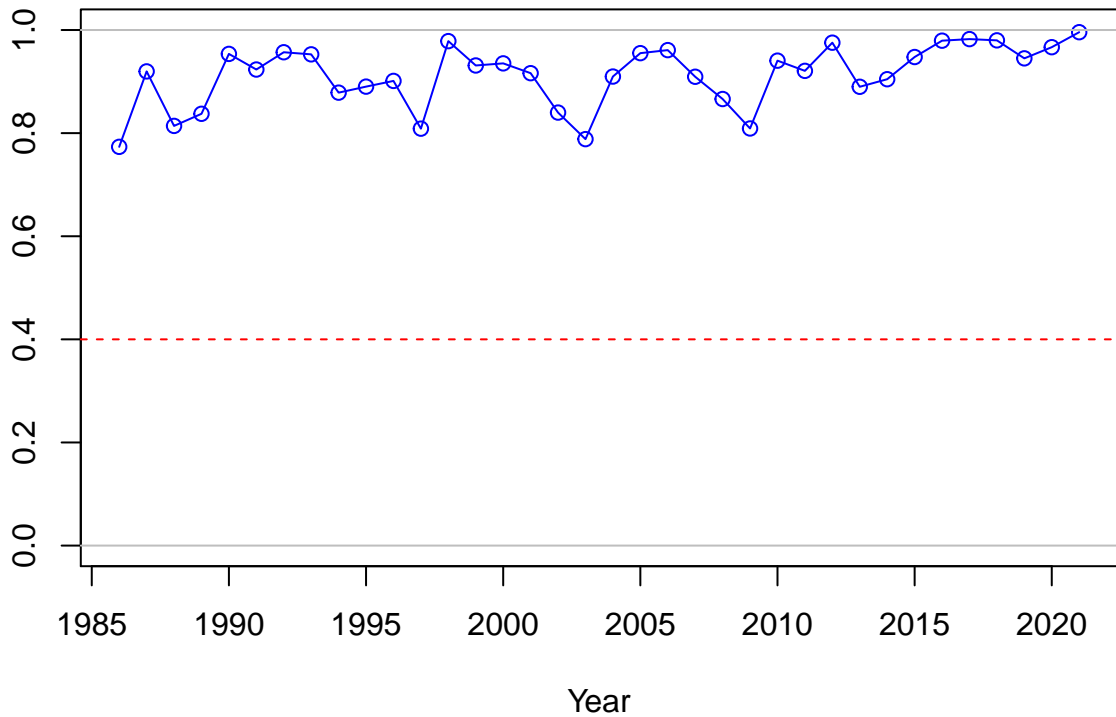




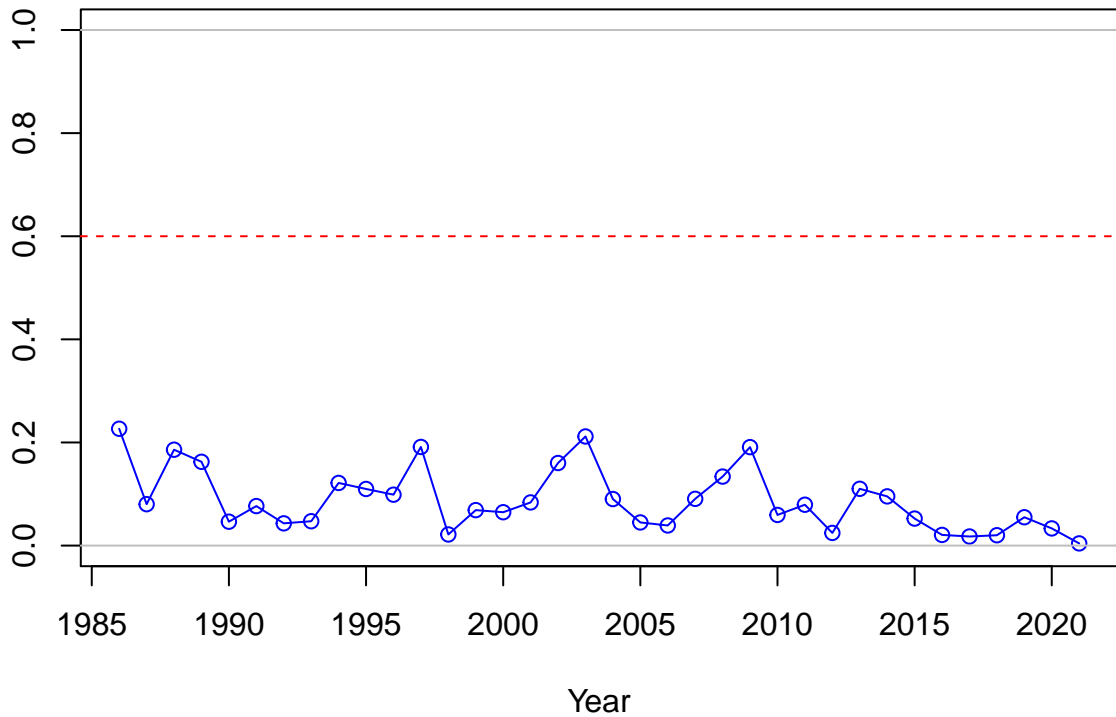




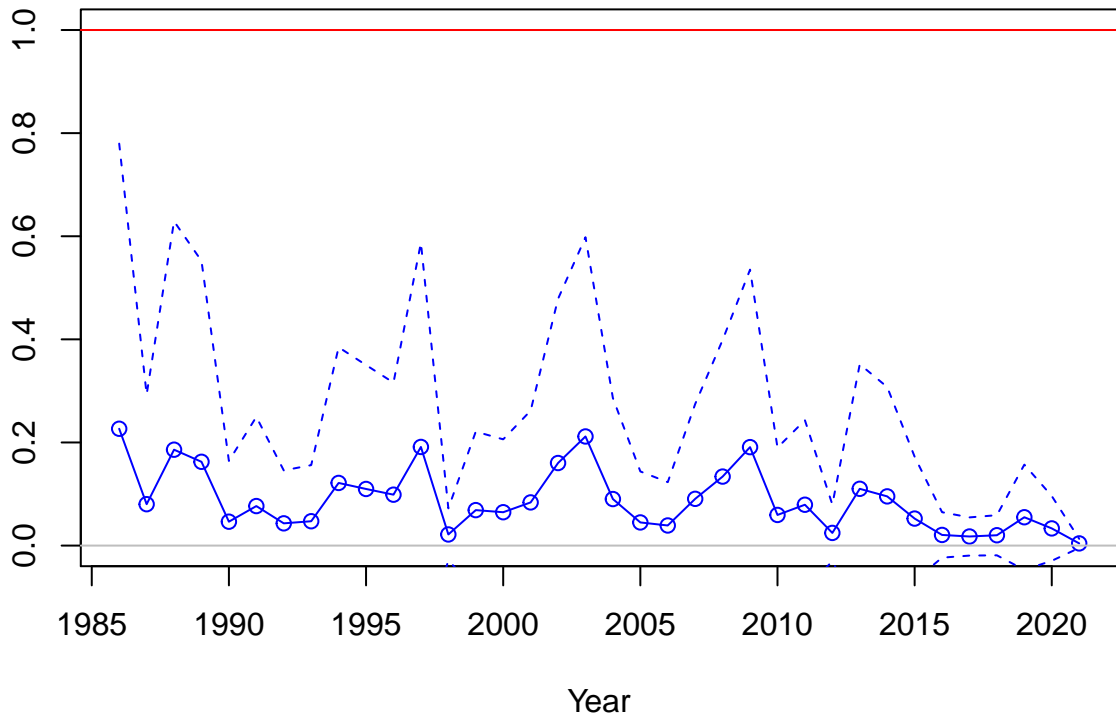
SPR



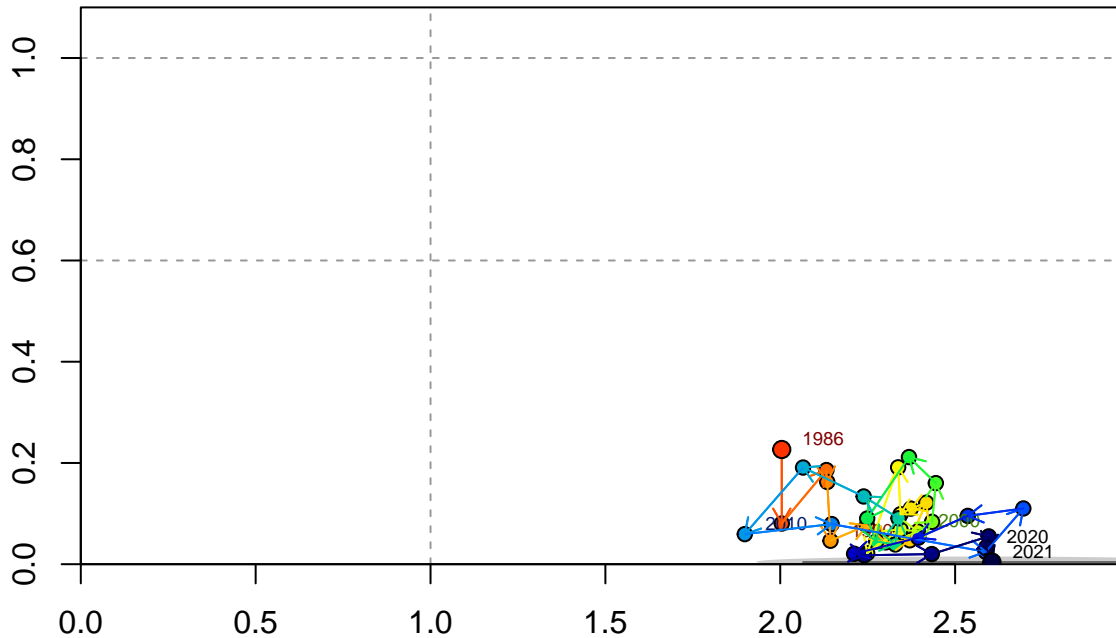
1-SPR



Fishing intensity: 1-SPR

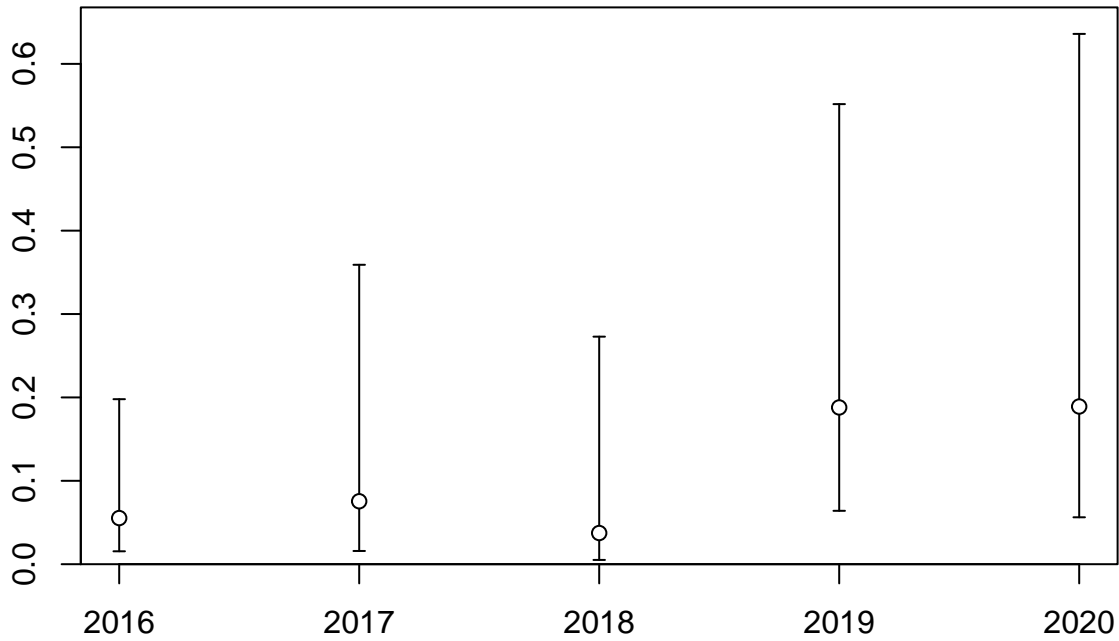


Fishing intensity: 1-SPR



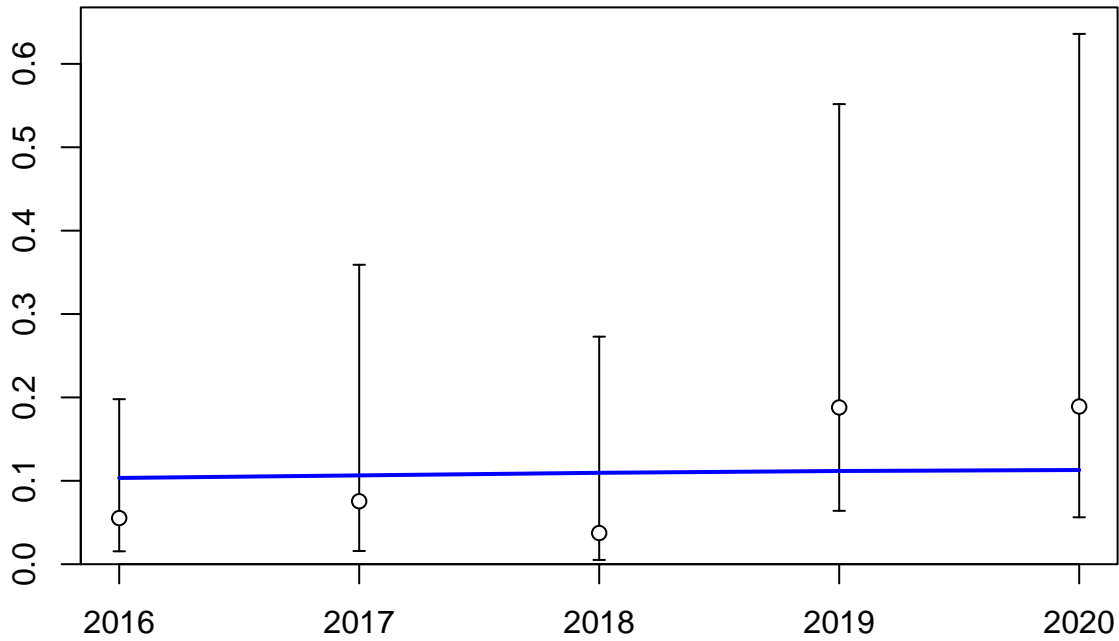
Relative spawning output: B/B_MSY

Index

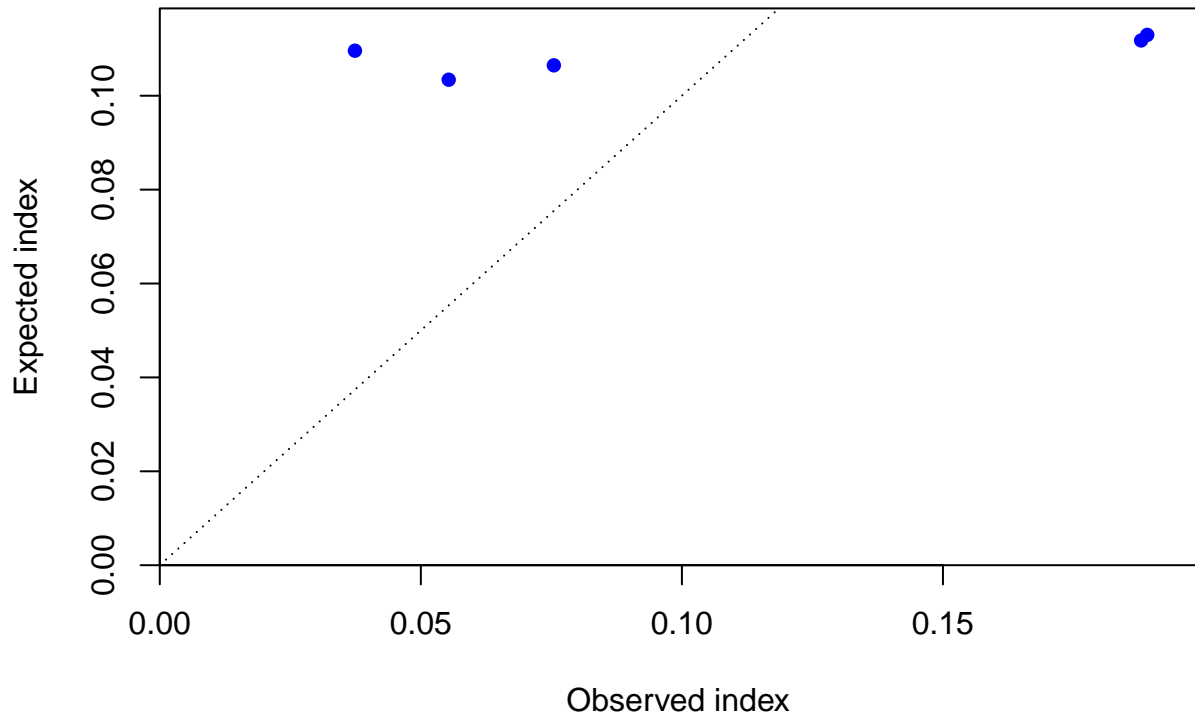


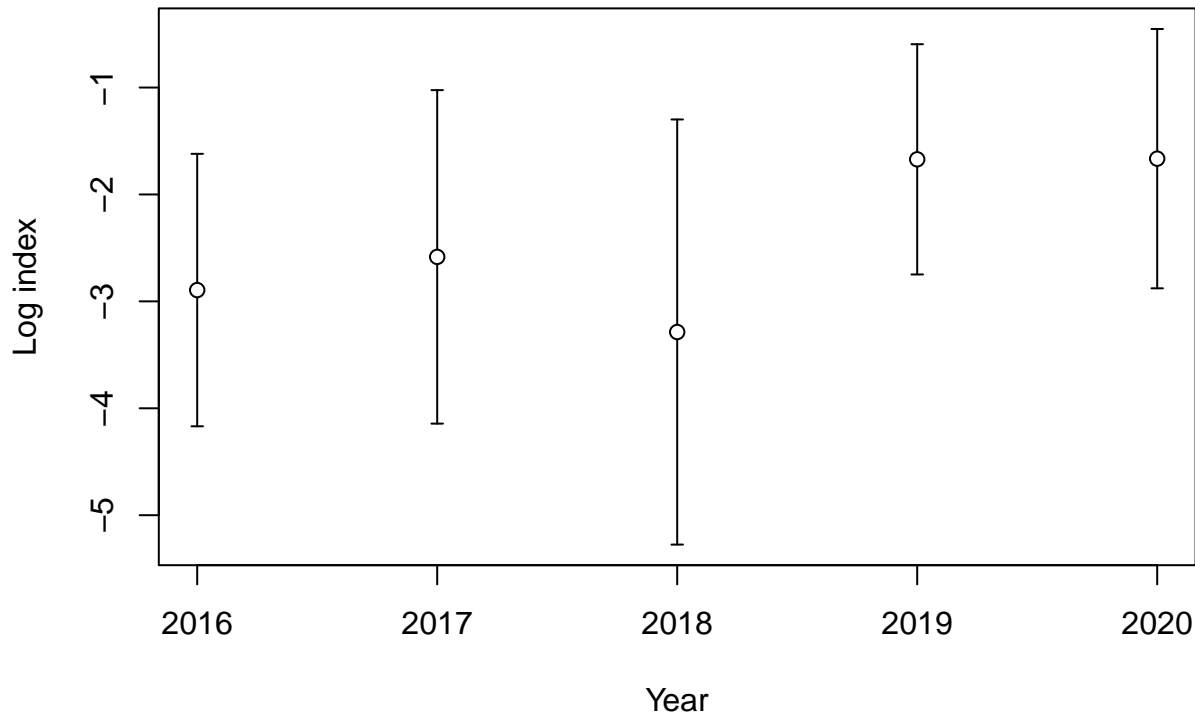
Year

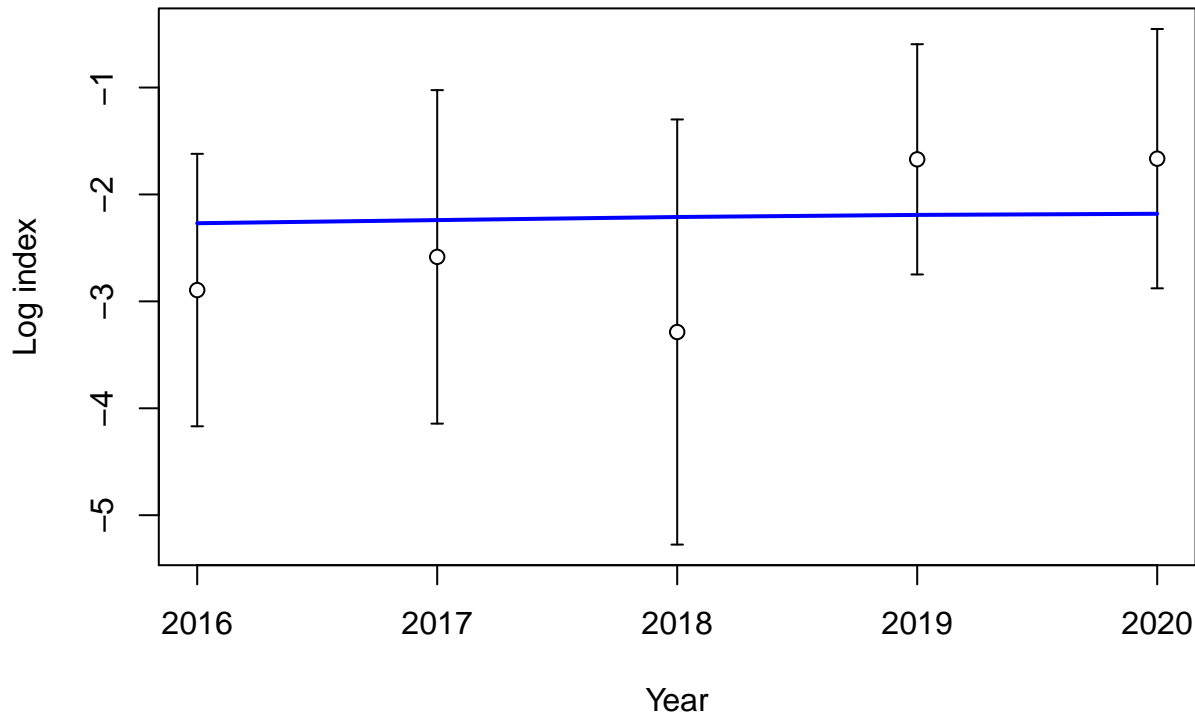
Index

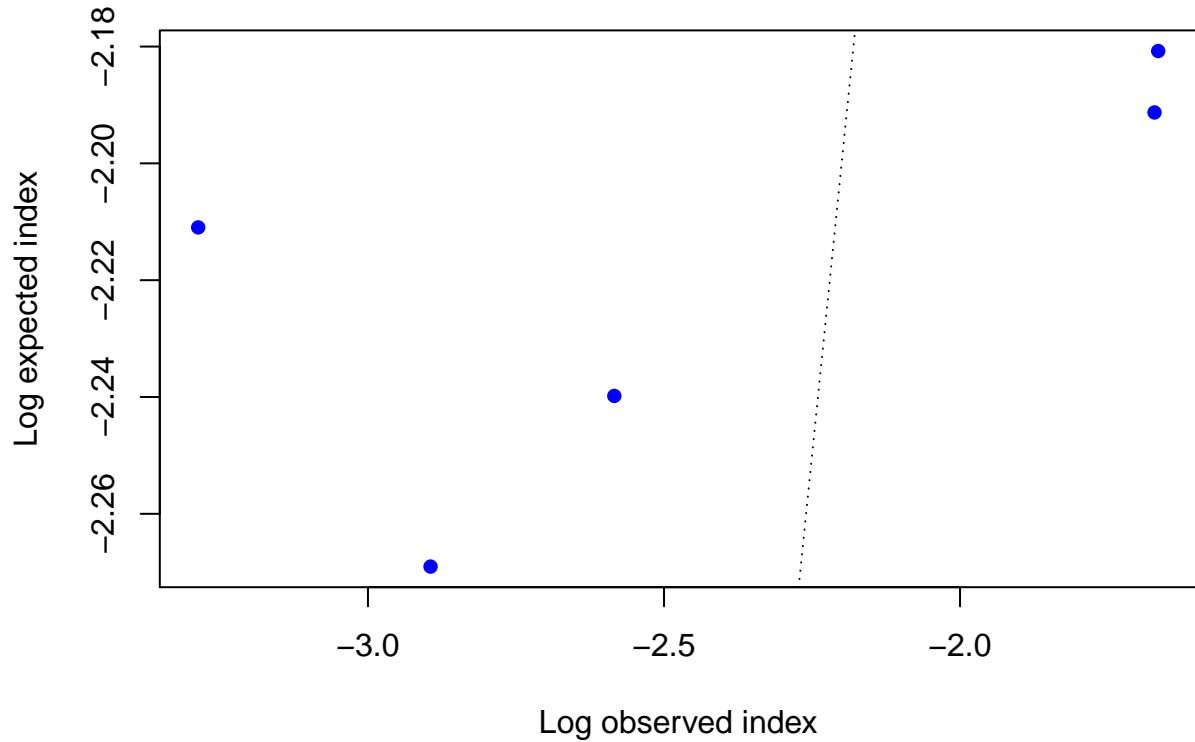


Year

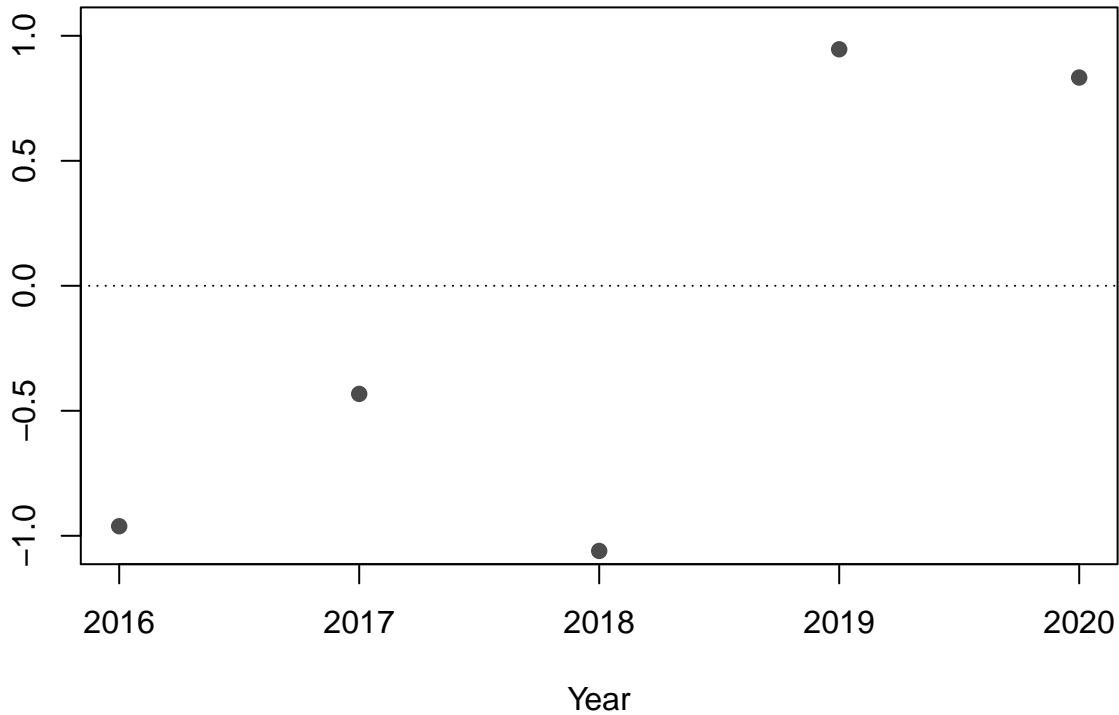




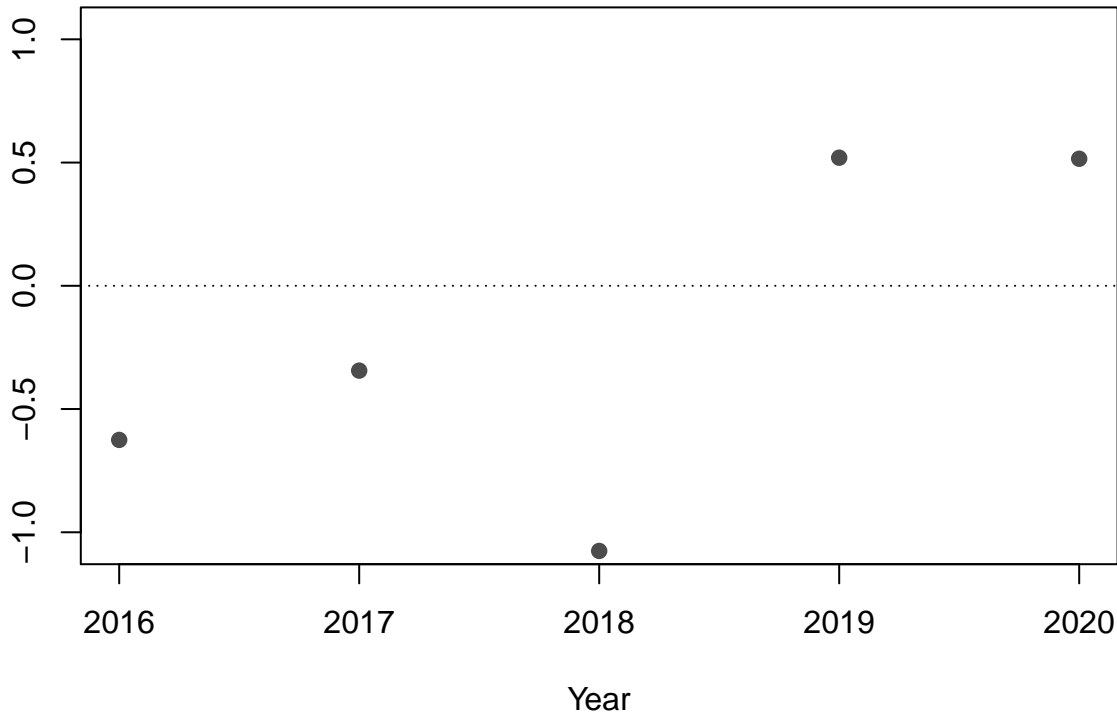


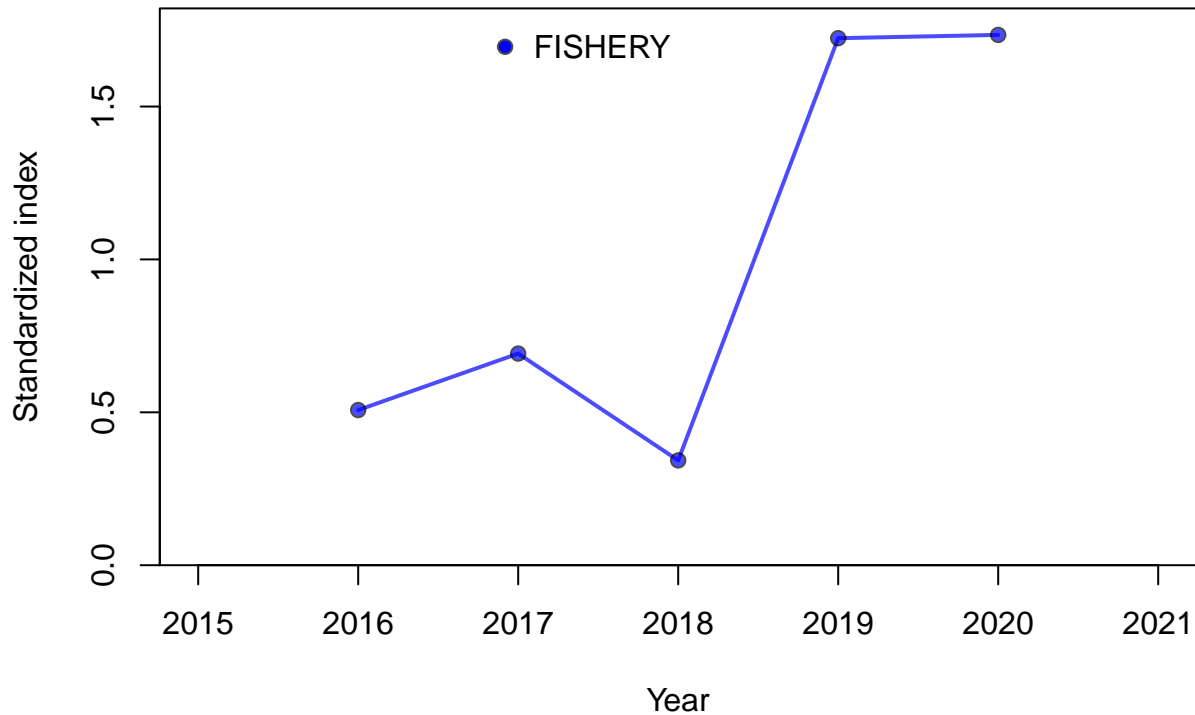


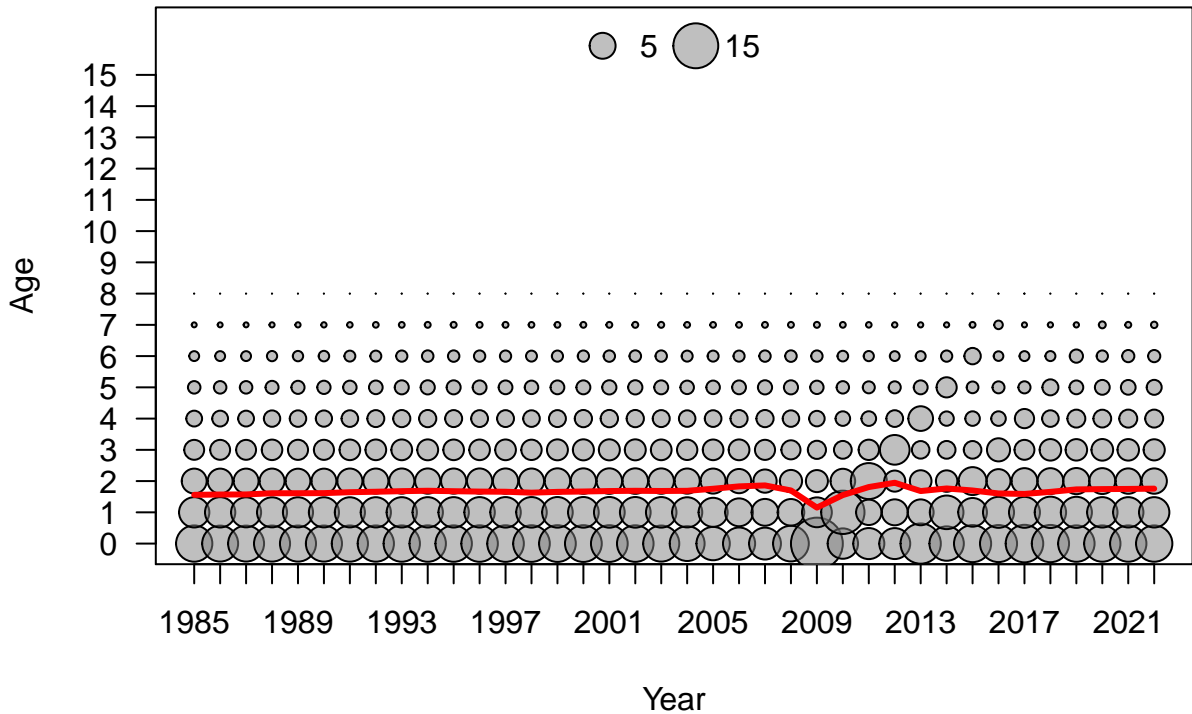
Residual

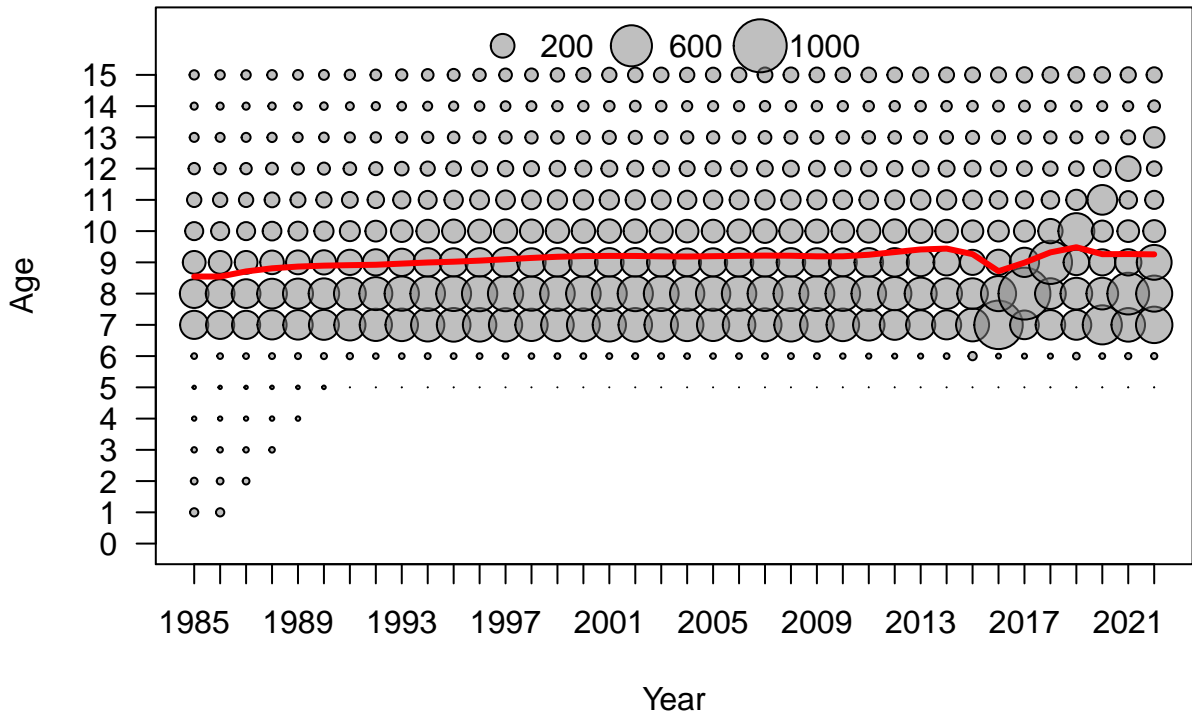


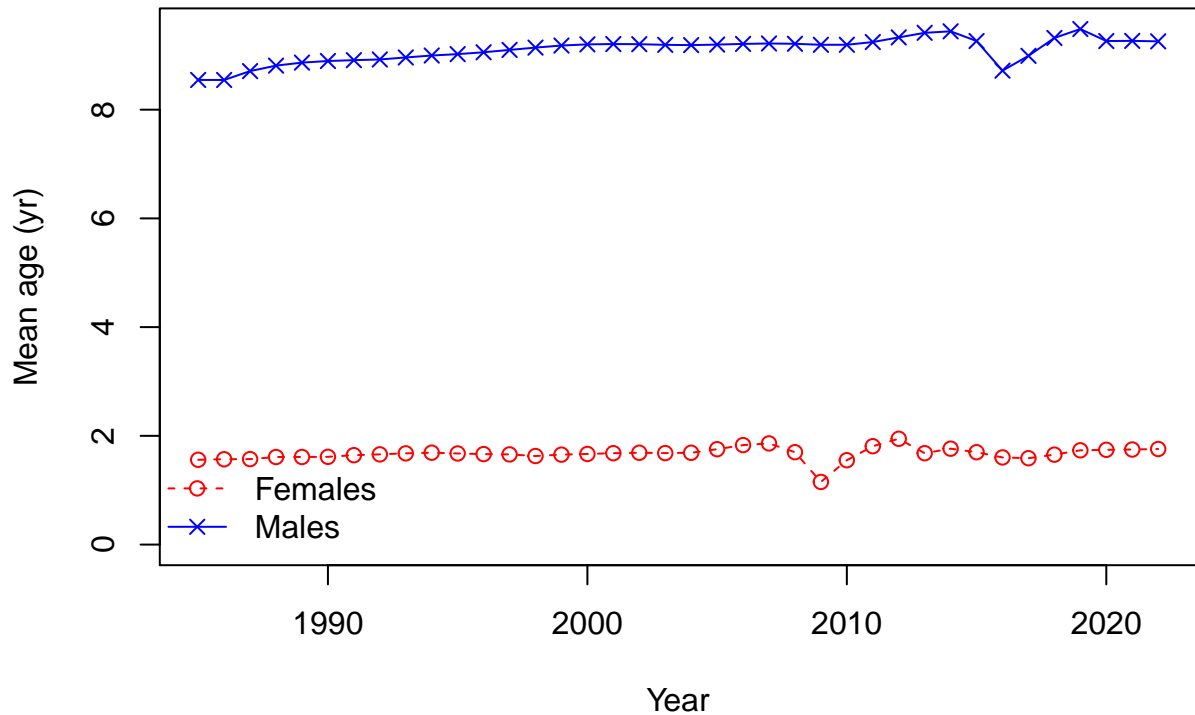
Deviation

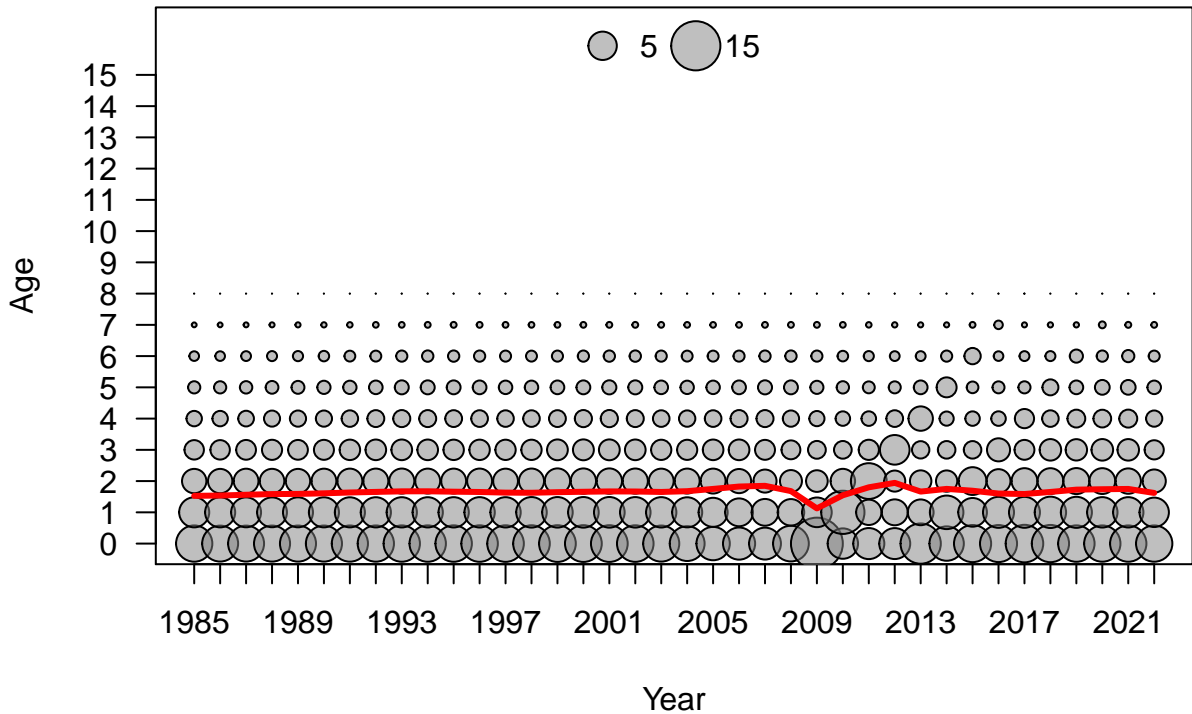


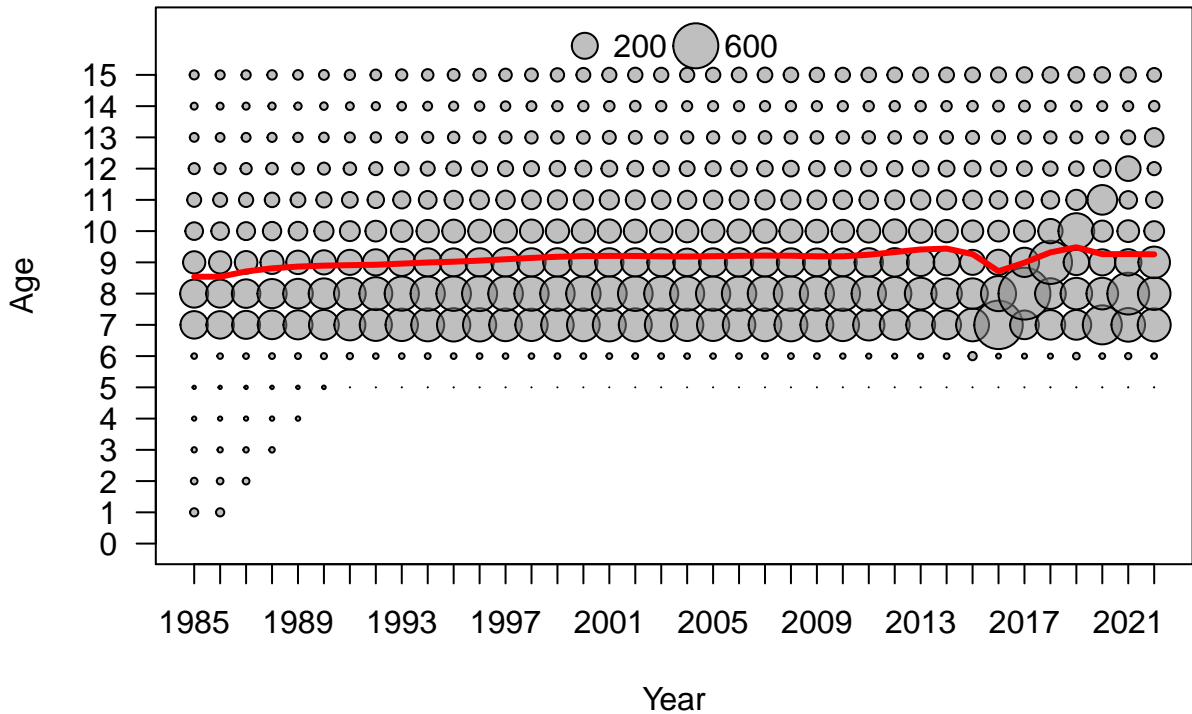


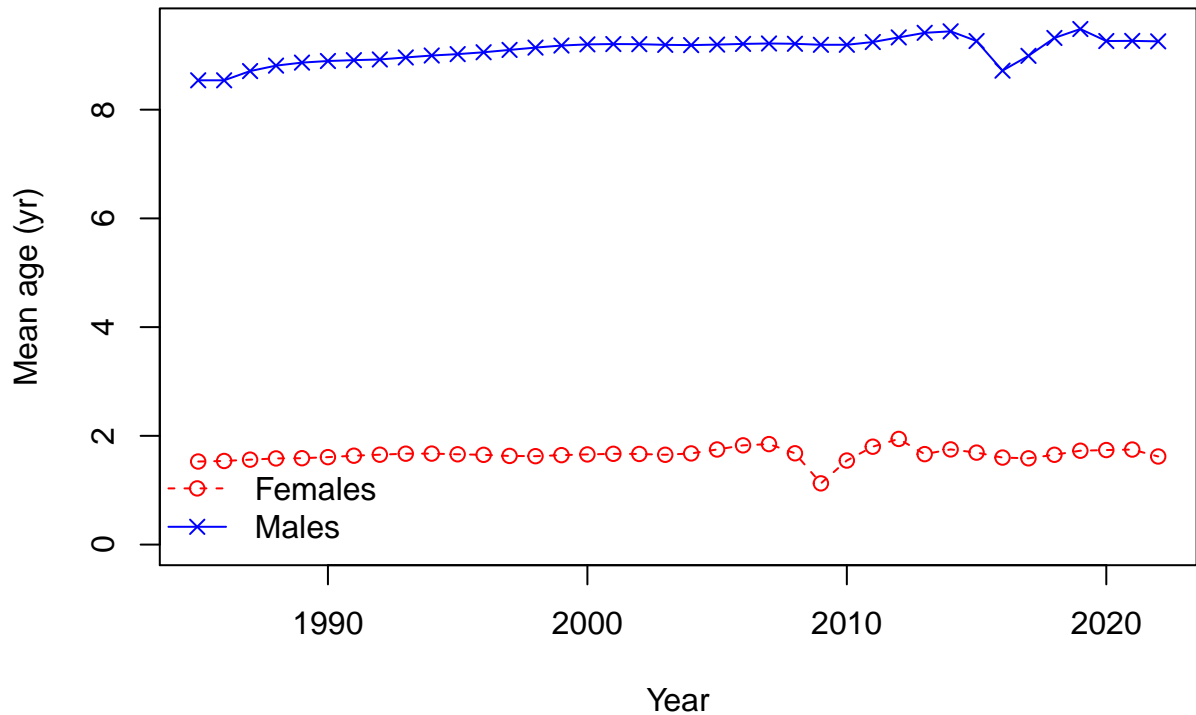












Age

14
12
10
8
6
4
2
0

1985

1990

1995

2000

2005

2010

2015

2020

Year

1

0.6

0.3

0.4

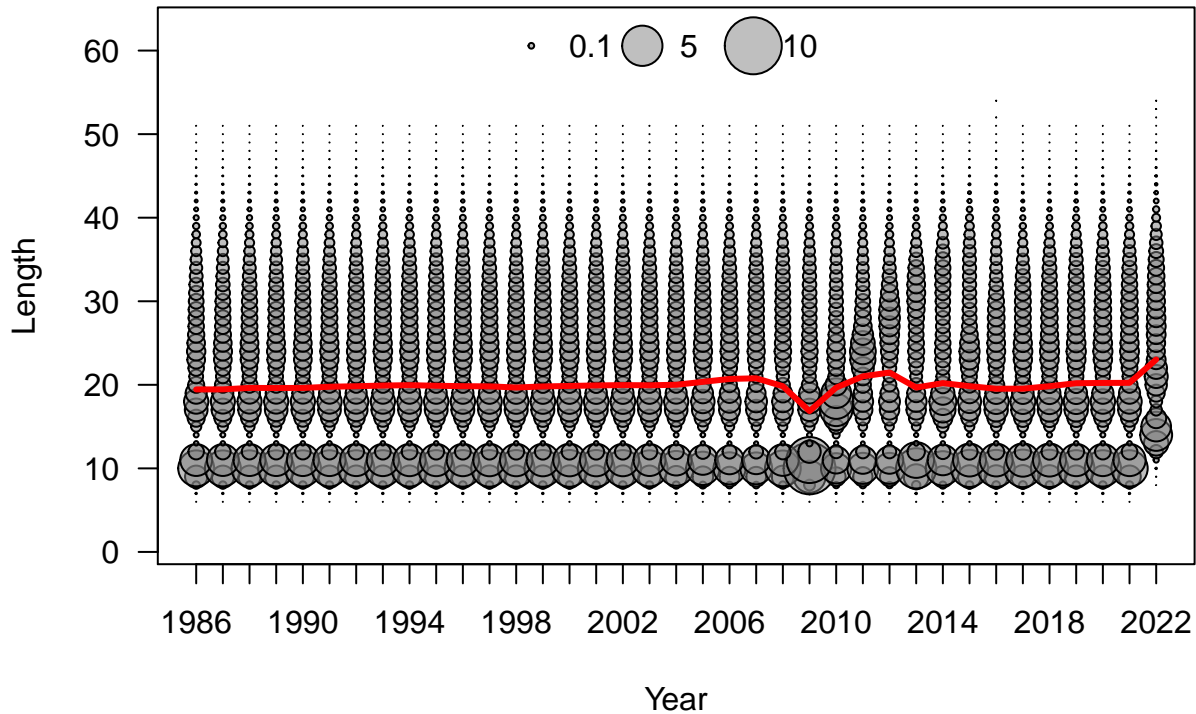
0.5

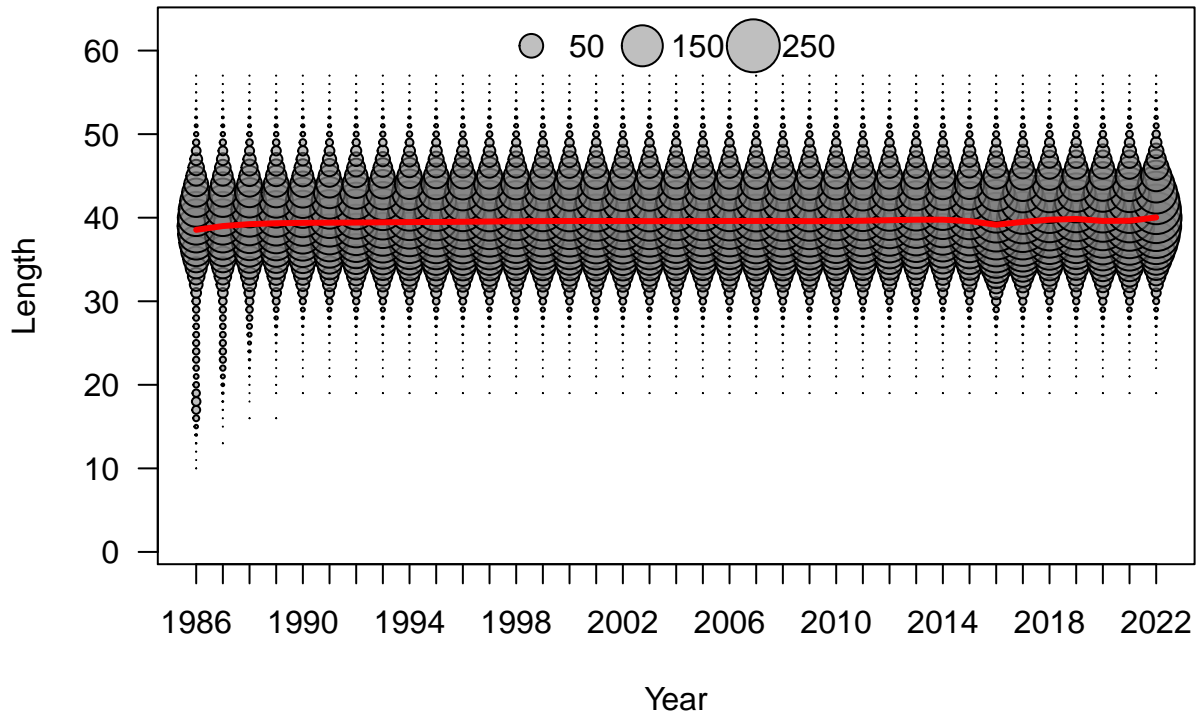
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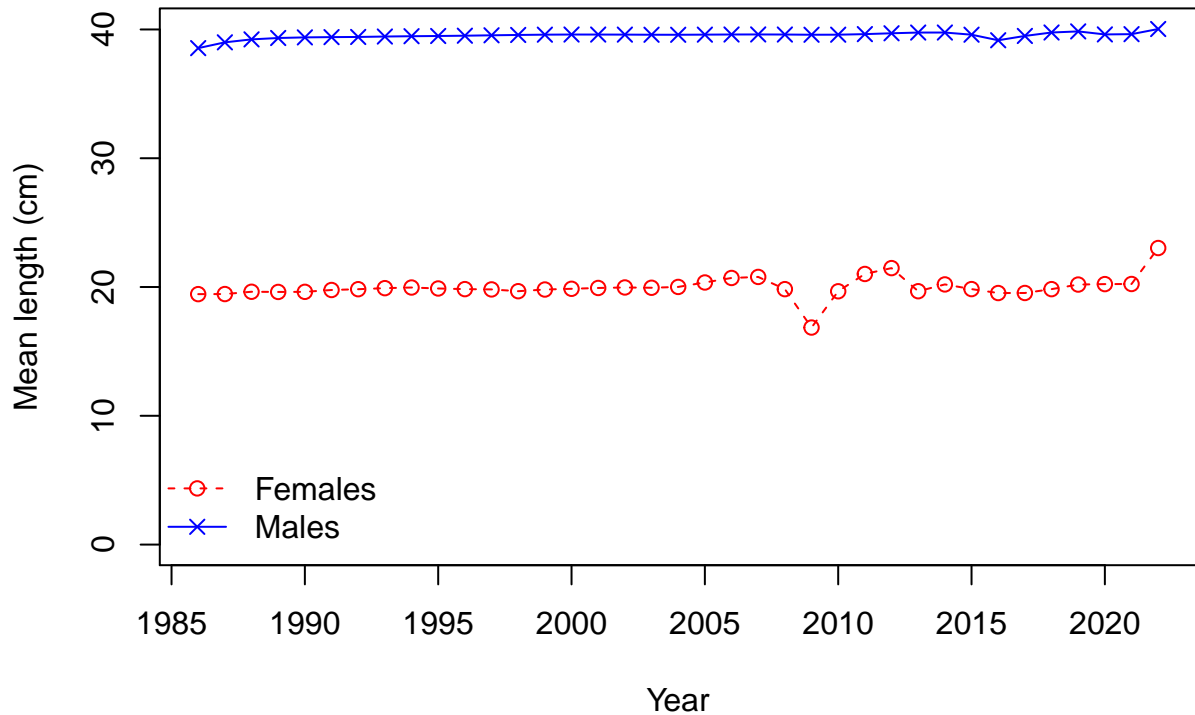
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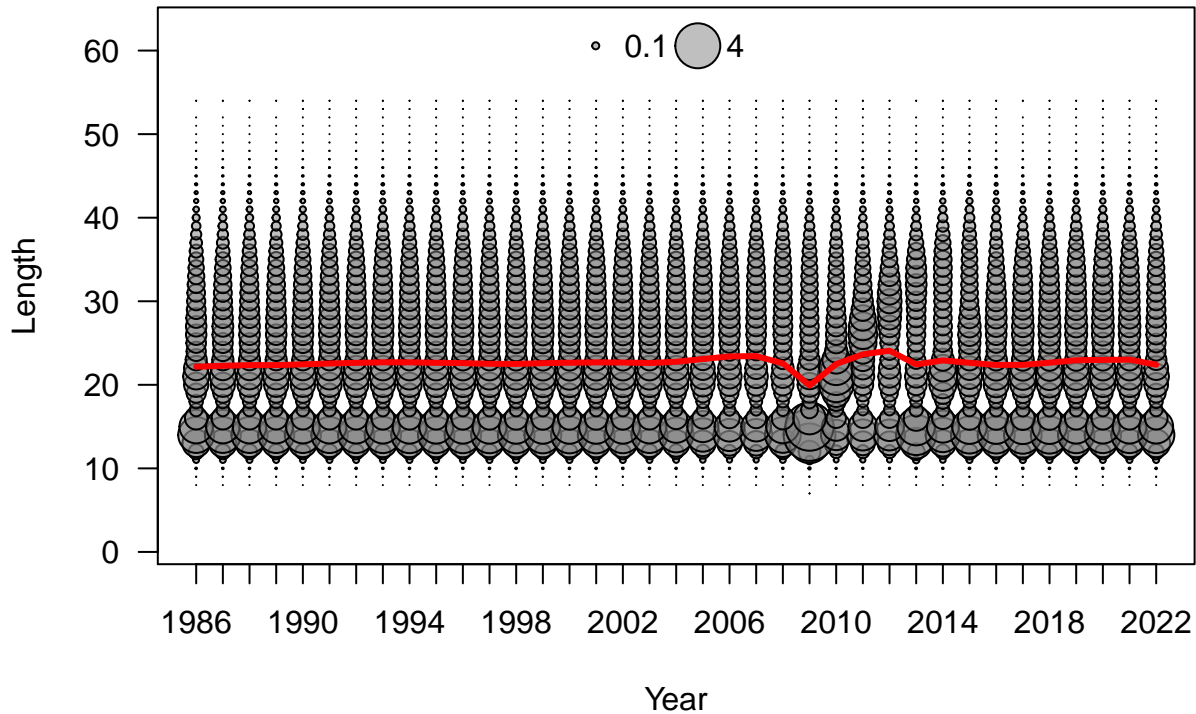
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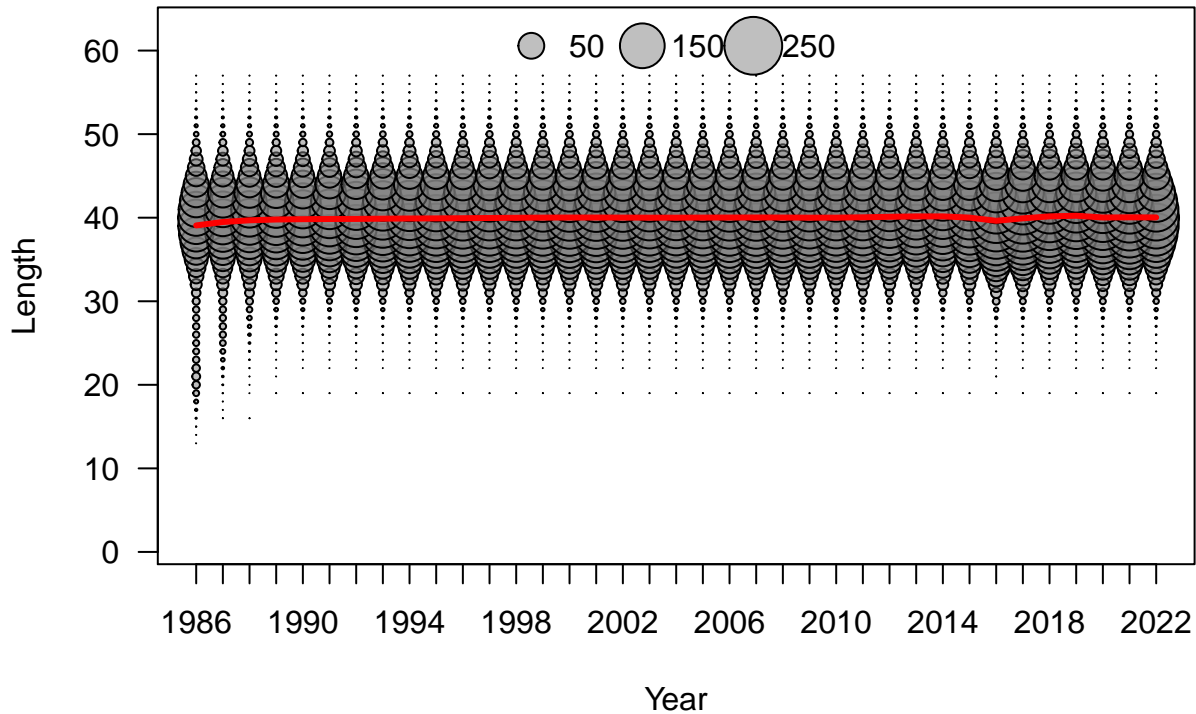
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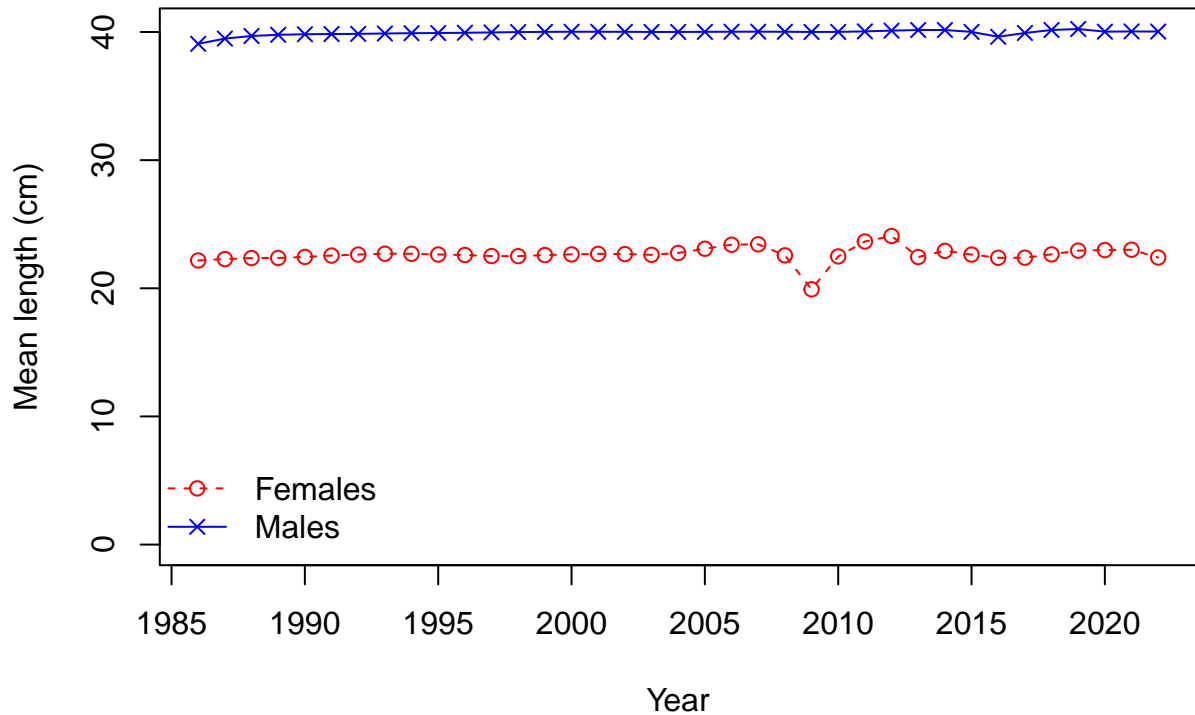


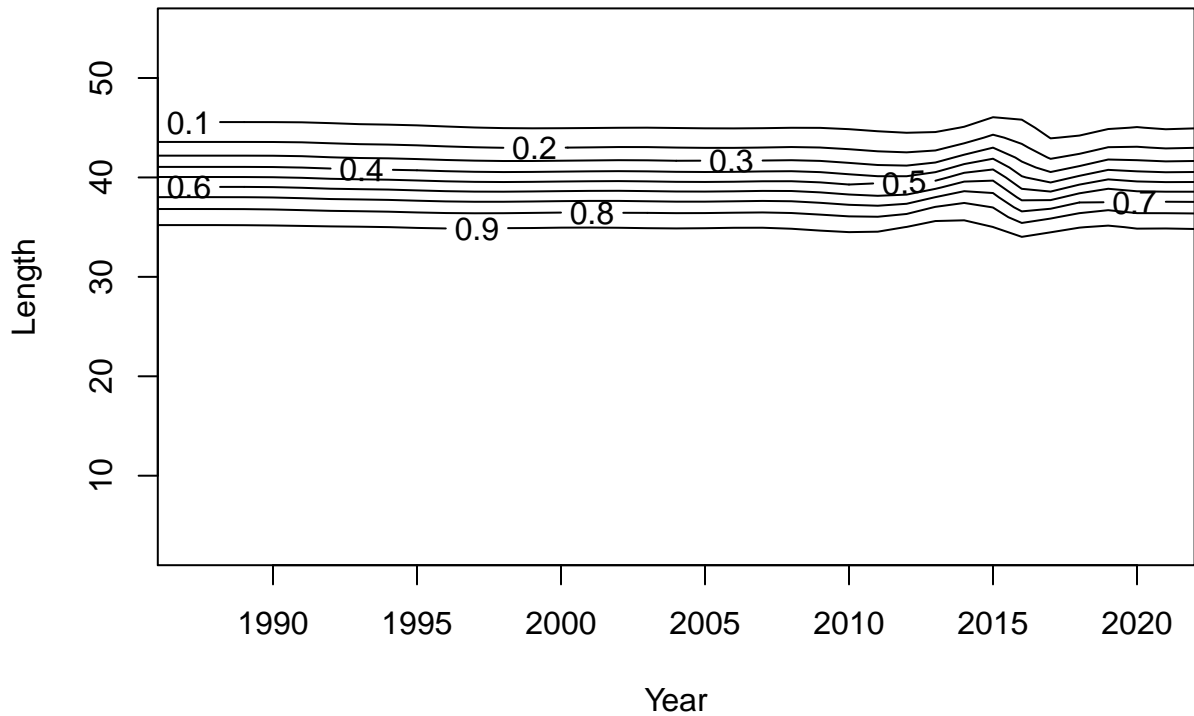


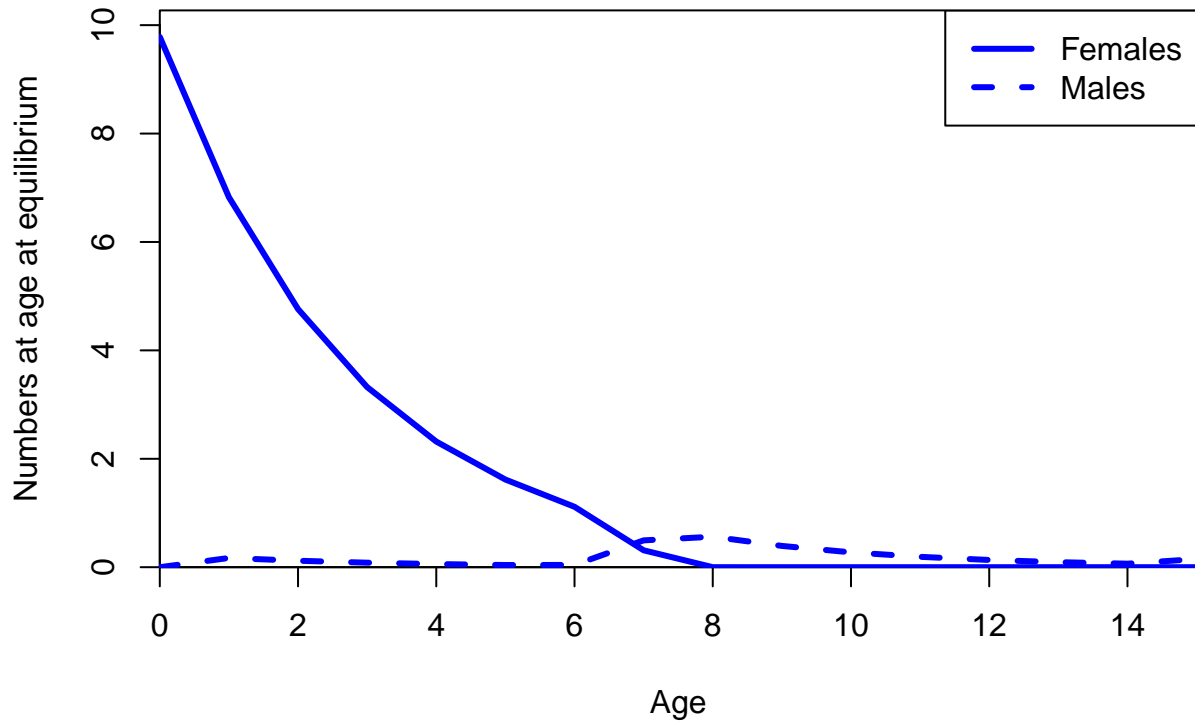


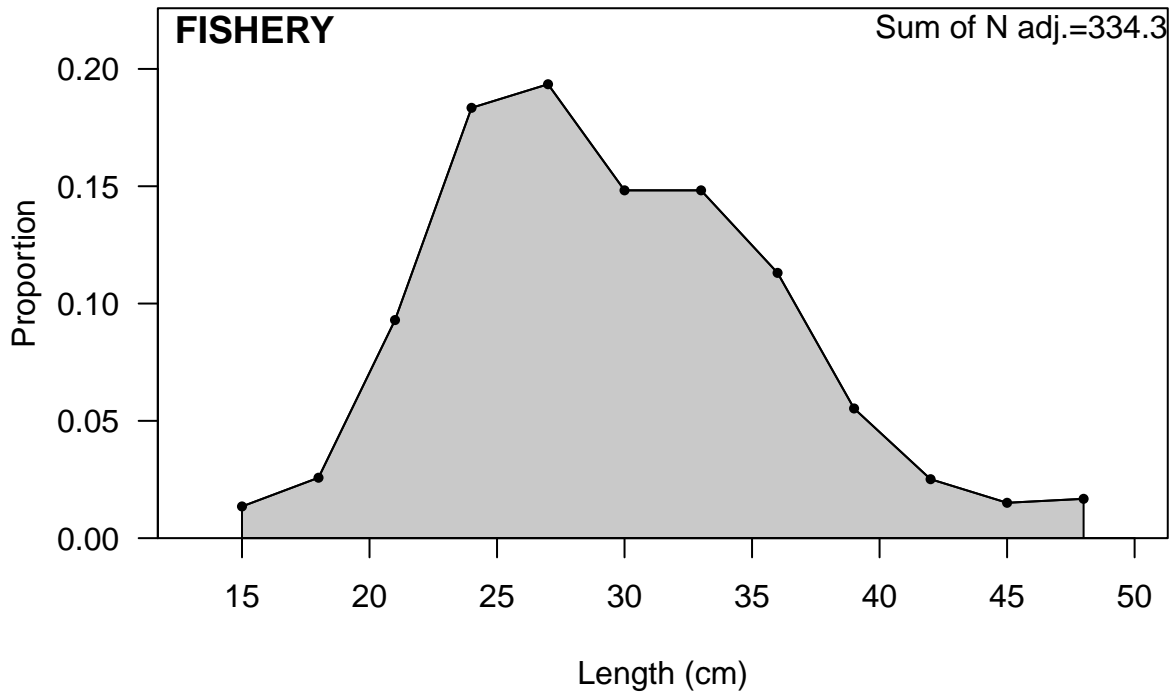


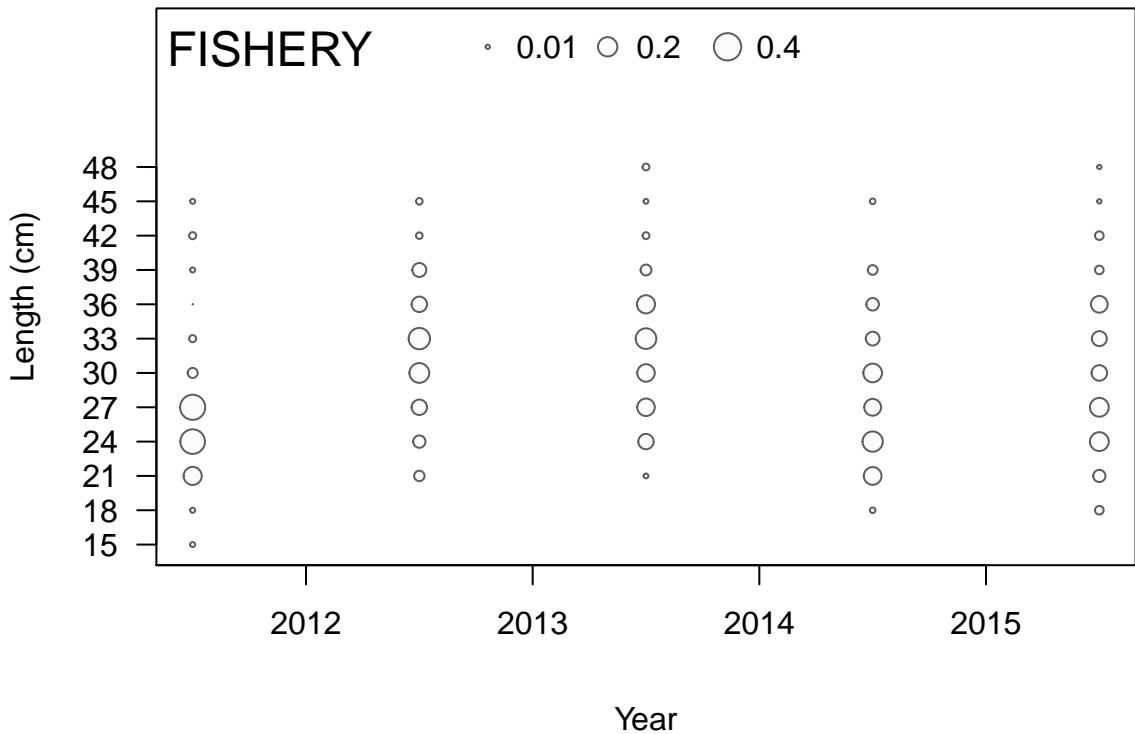




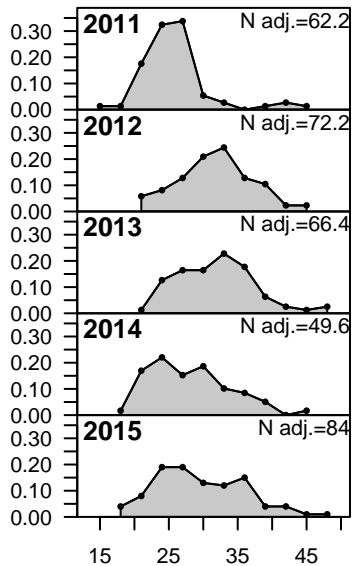




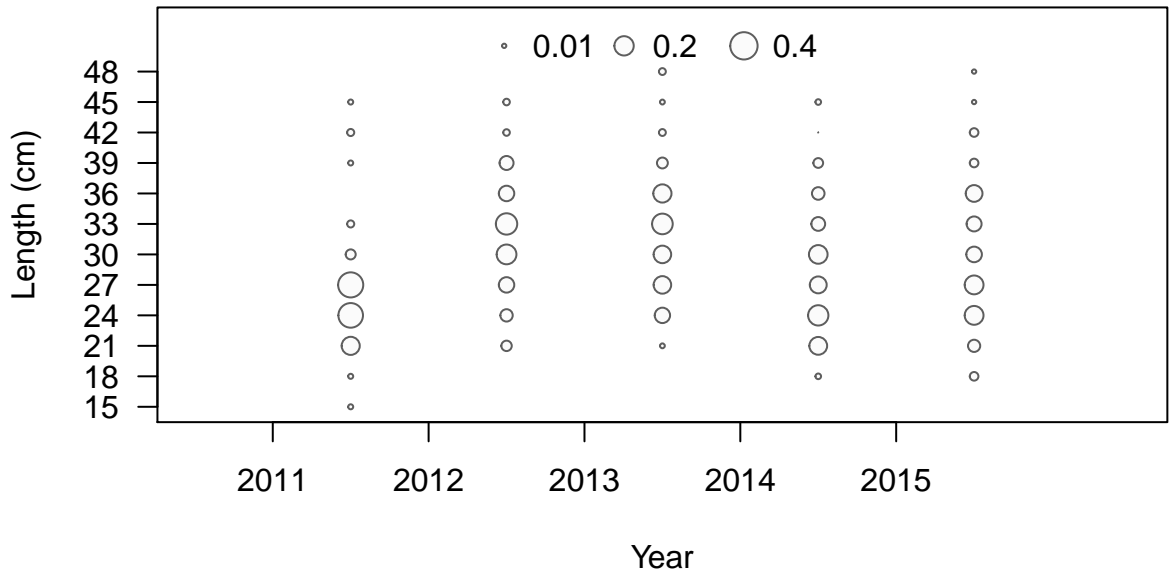




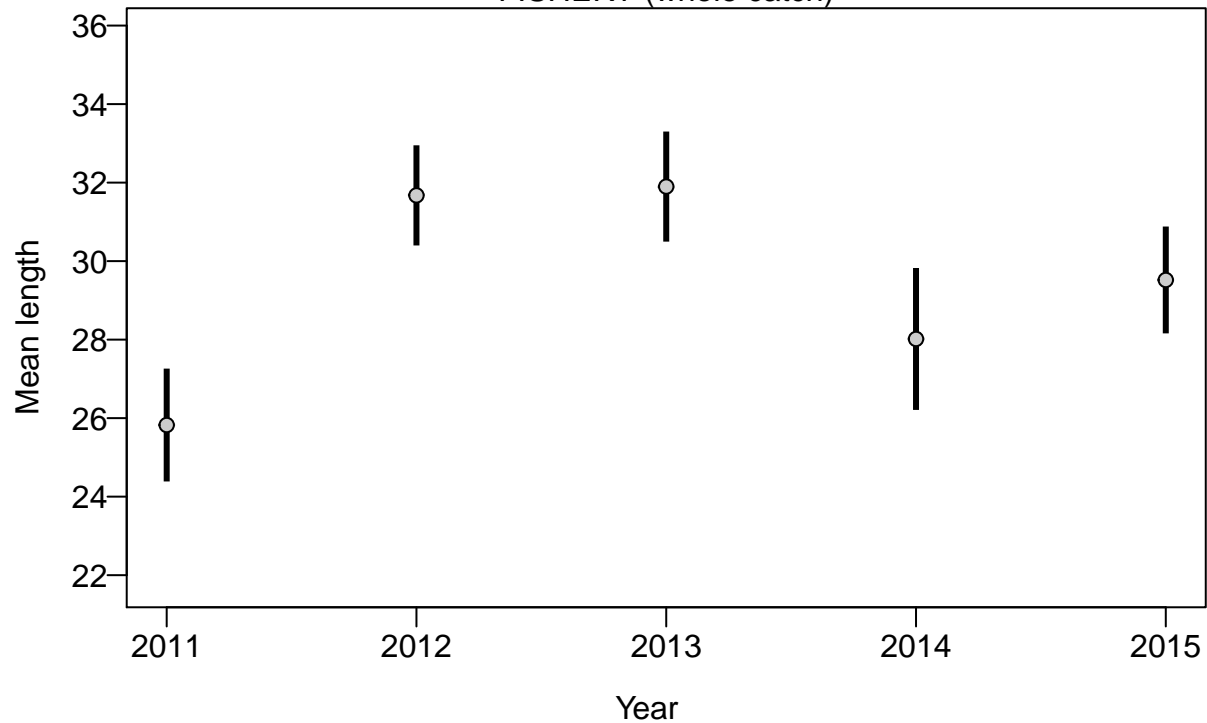
Proportion



Length (cm)

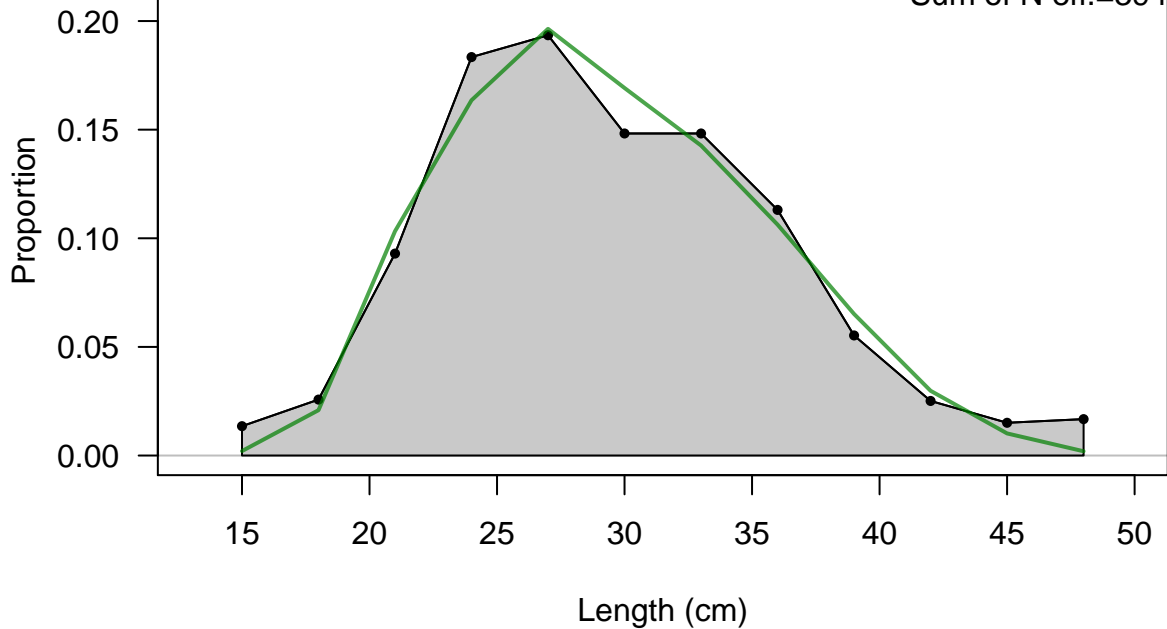


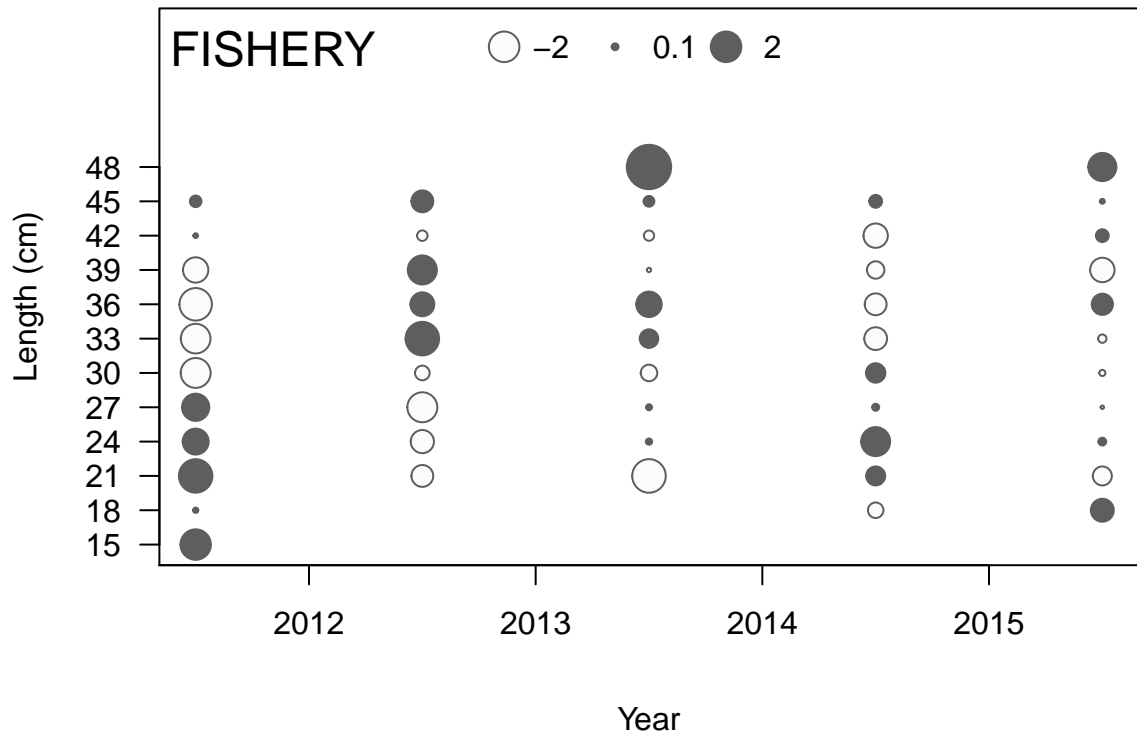
FISHERY (whole catch)



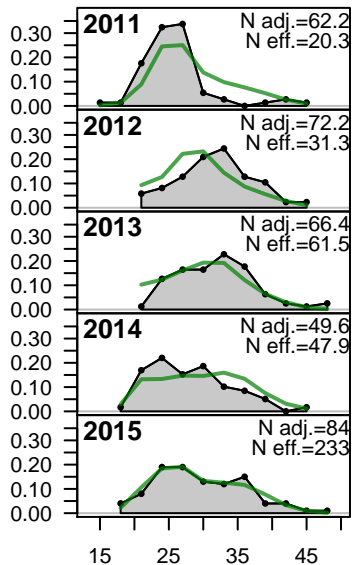
FISHERY

Sum of N adj.=334.3
Sum of N eff.=394

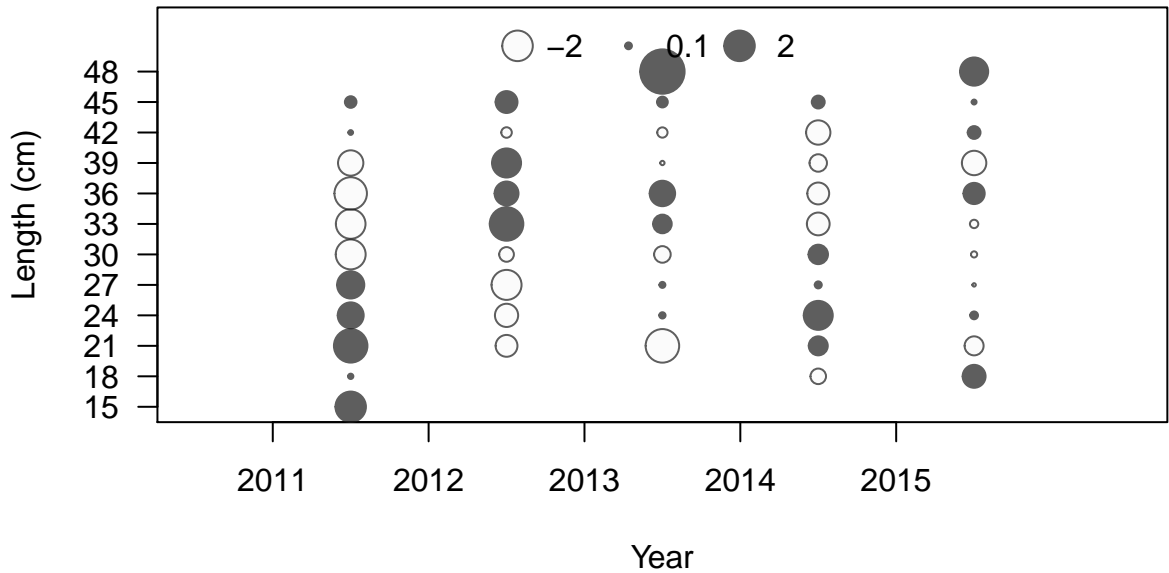




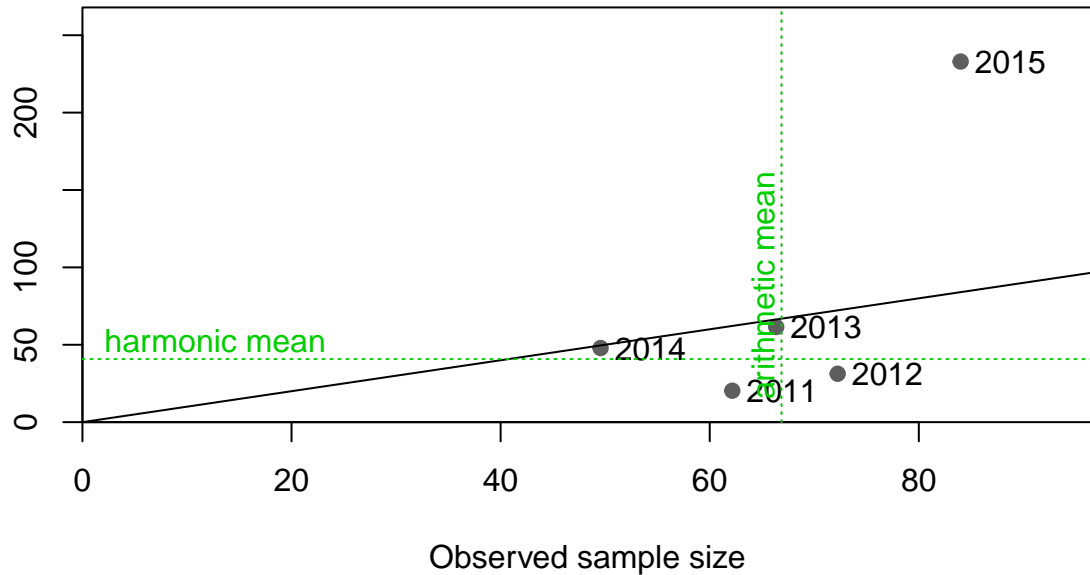
Proportion



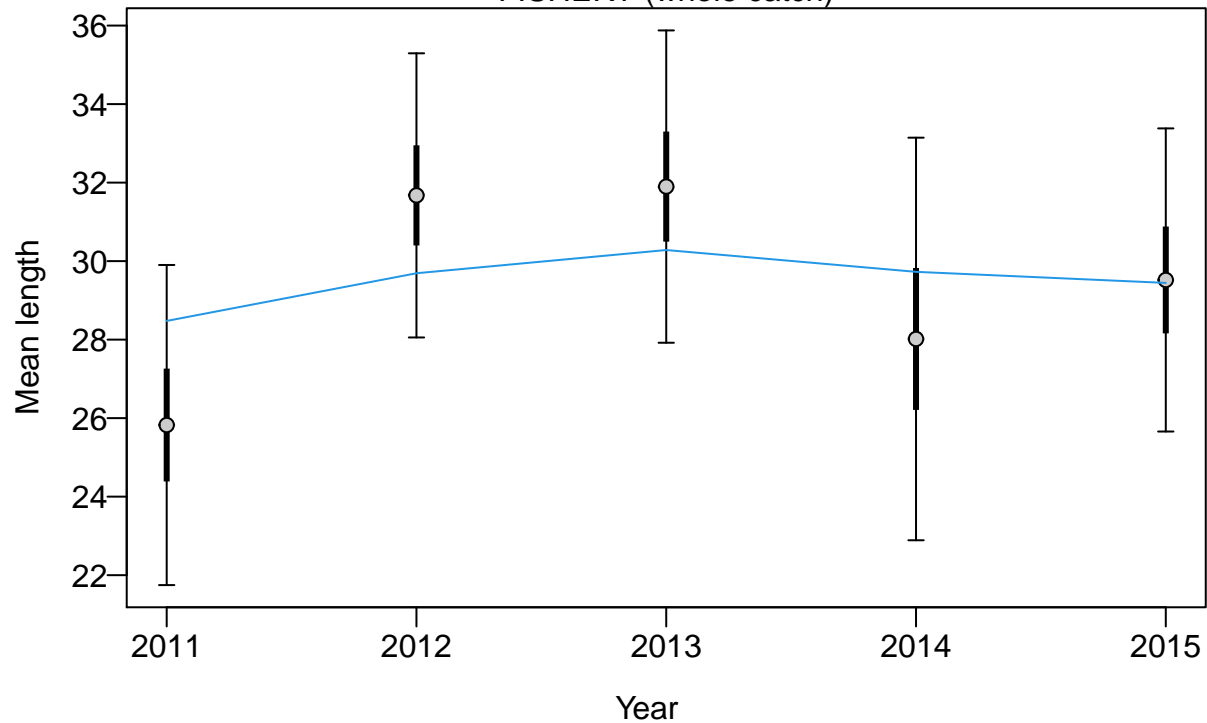
Length (cm)

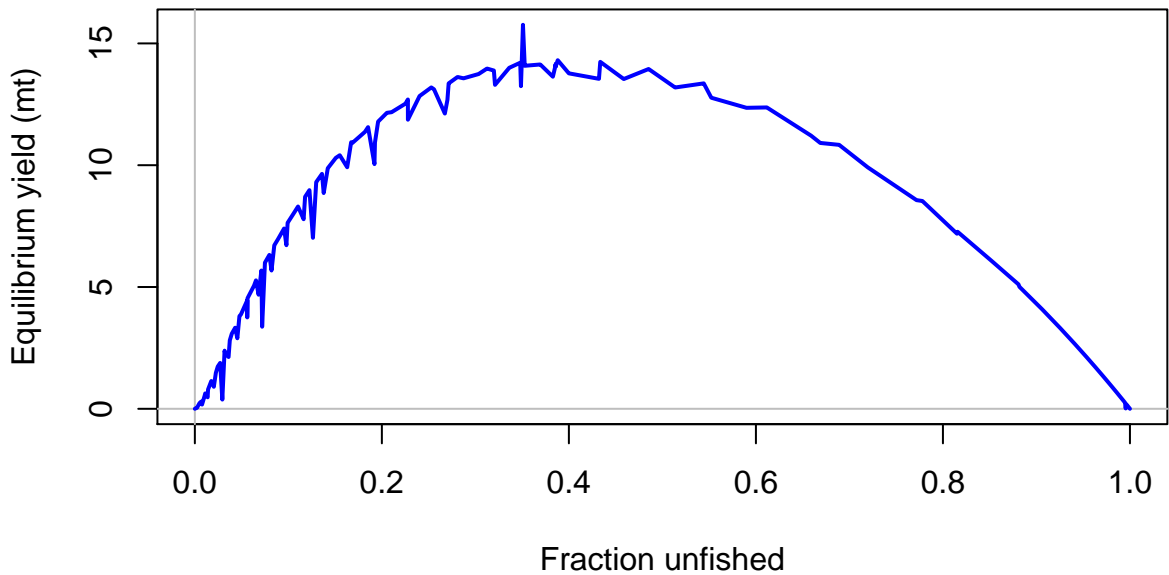


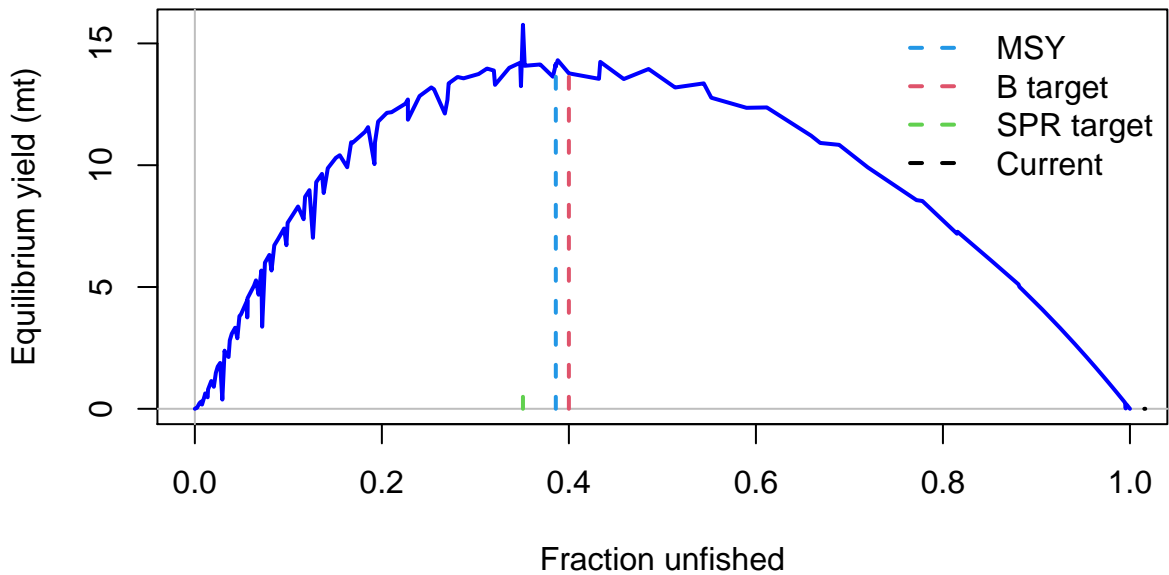
Effective sample size

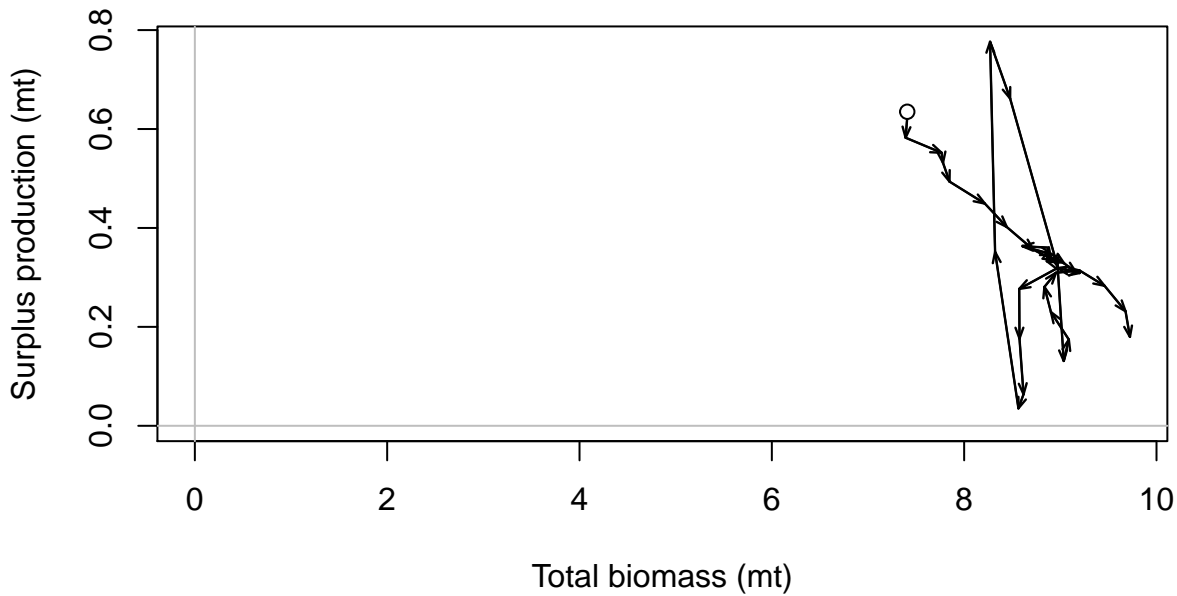


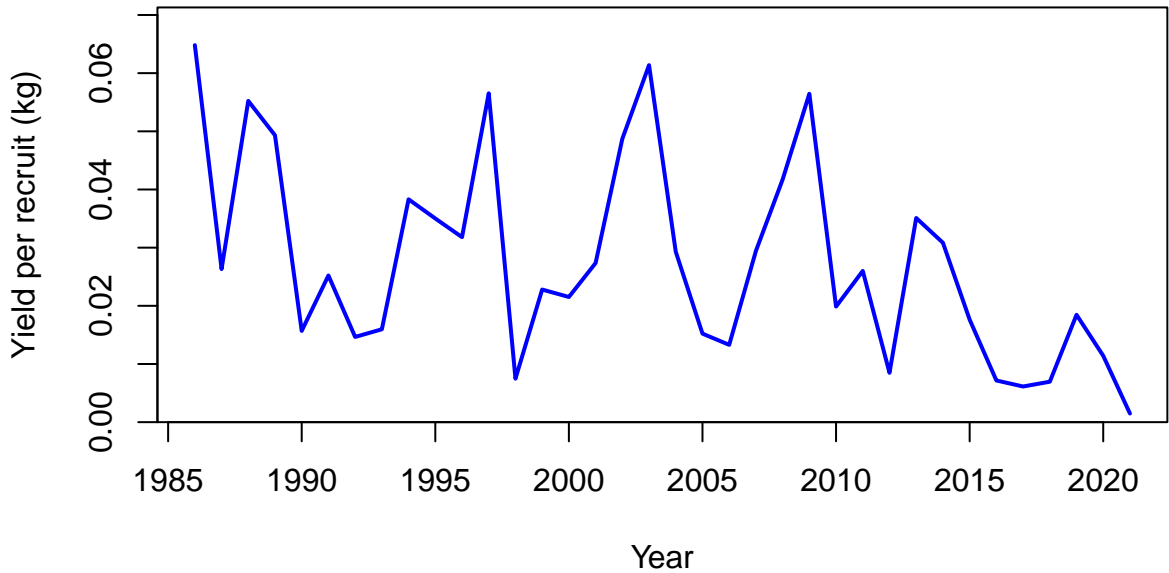
FISHERY (whole catch)

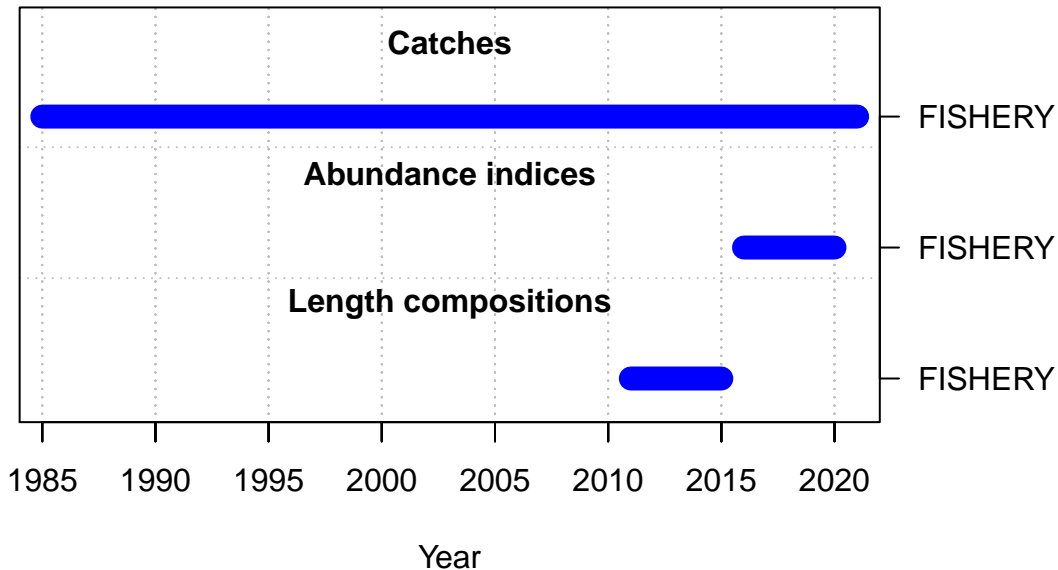


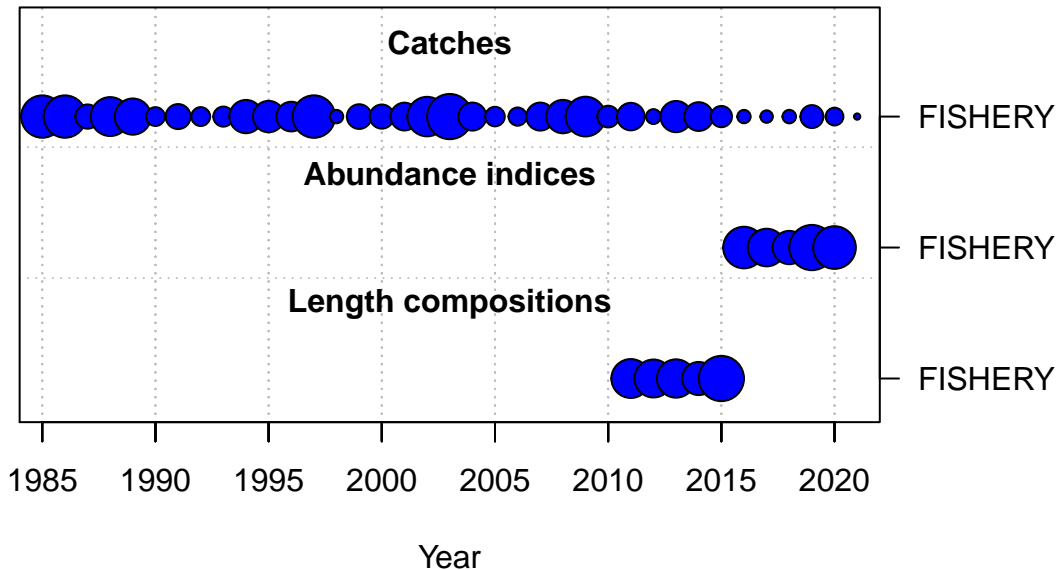




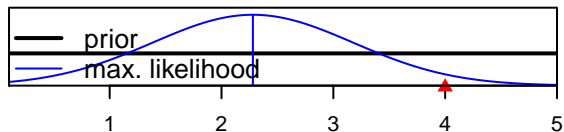




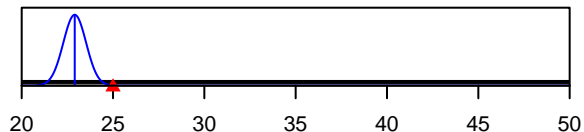




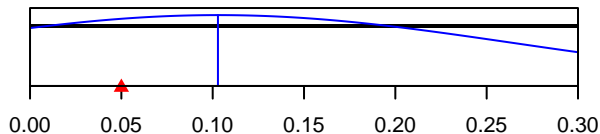
SR_LN(R0)



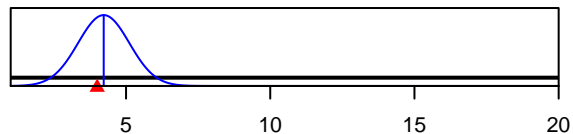
Size_inflection_FISHERY(1)



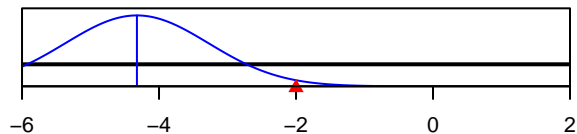
InitF_seas_1_flt_1FISHERY



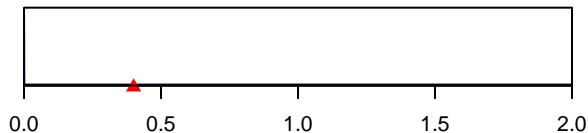
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value