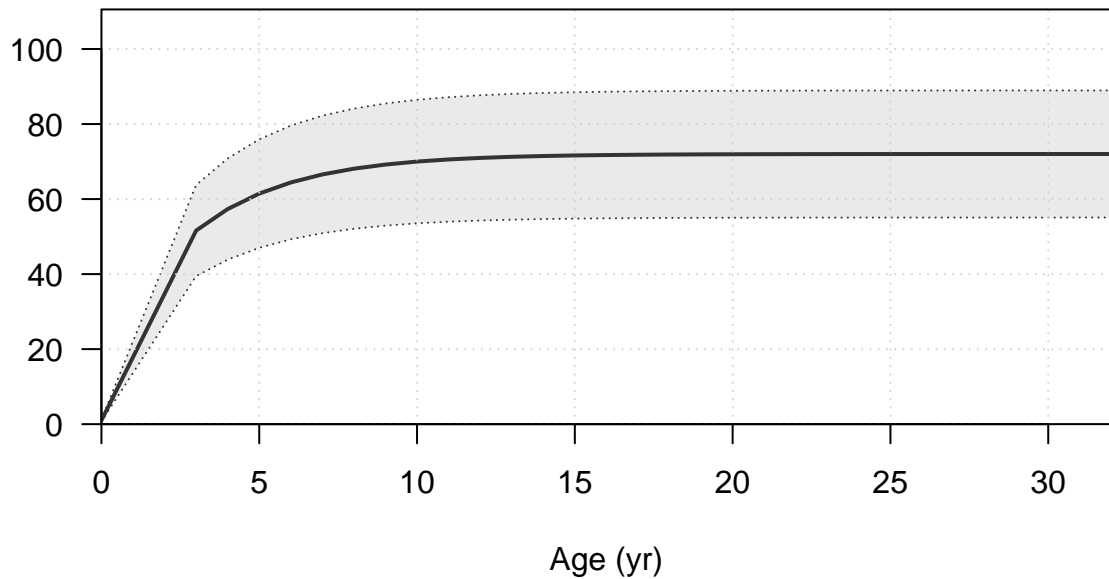
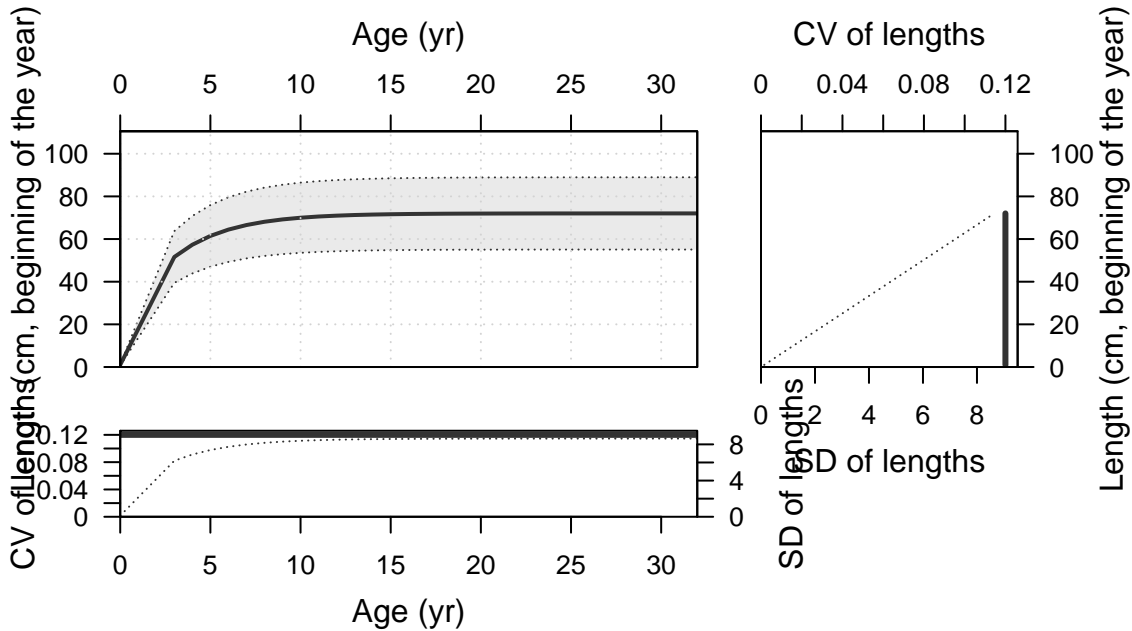
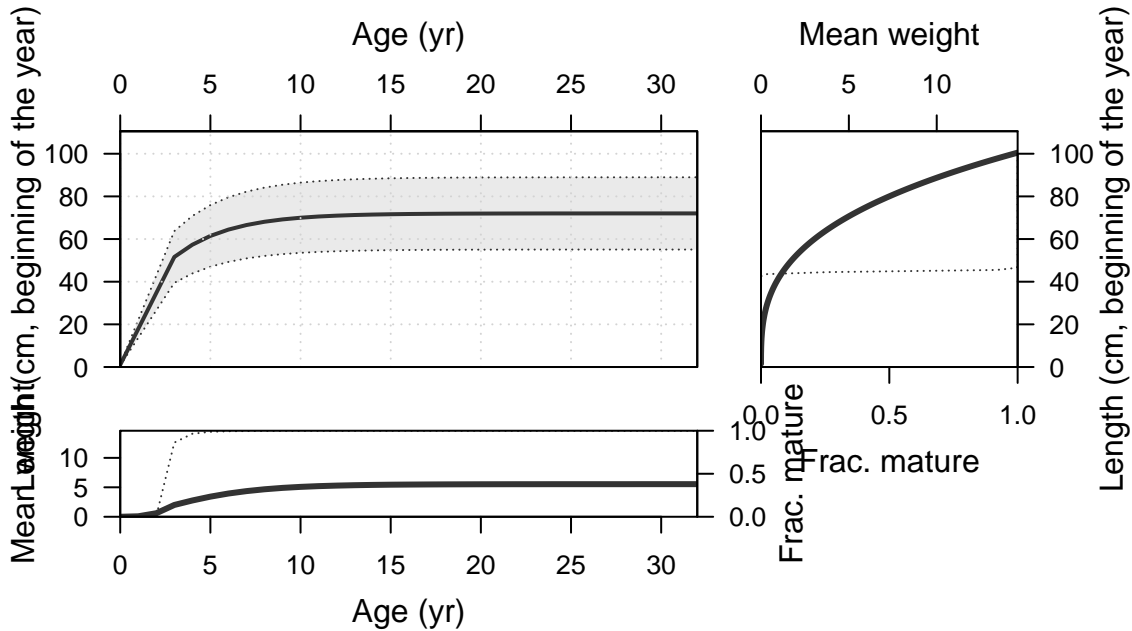


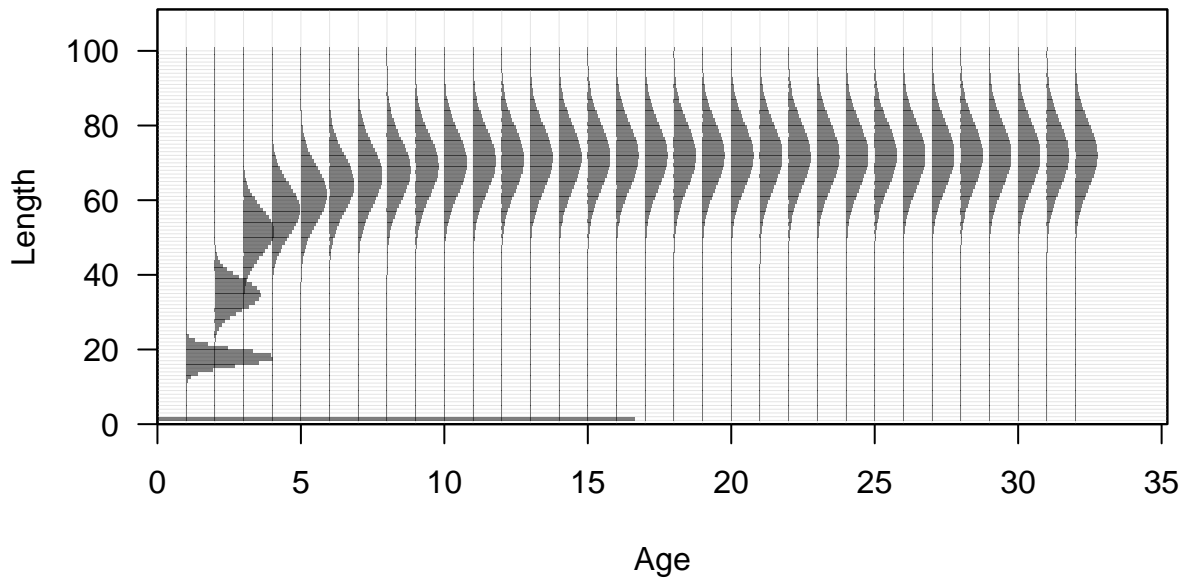
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.b
StartTime: Fri Jun 17 13:07:05 2022
Data_File: data.ss
Control_File: control.ss

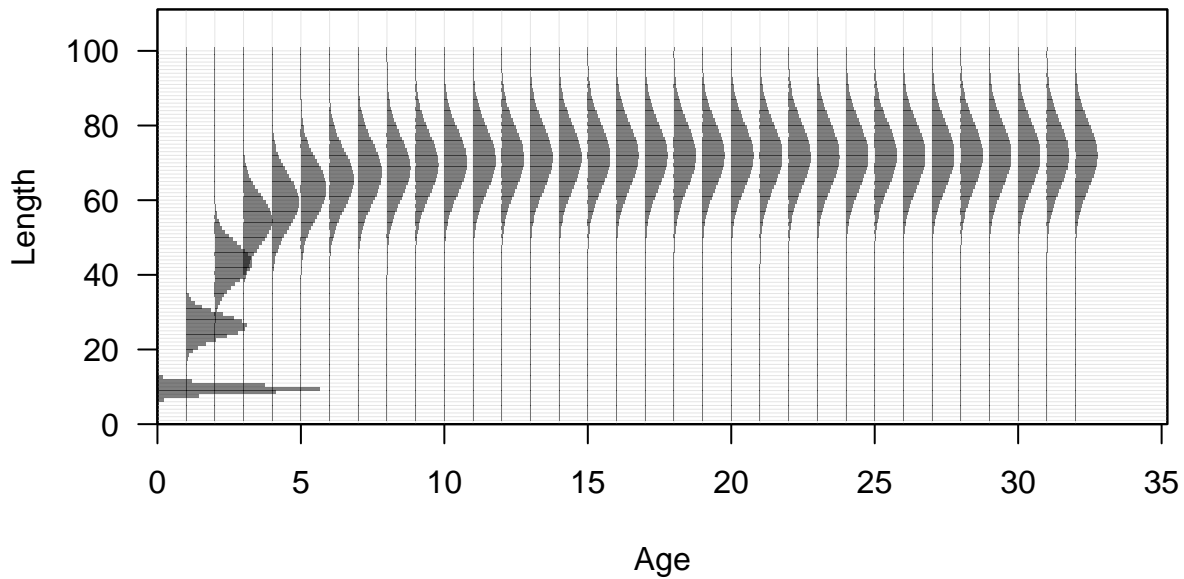
Length (cm, beginning of the year)













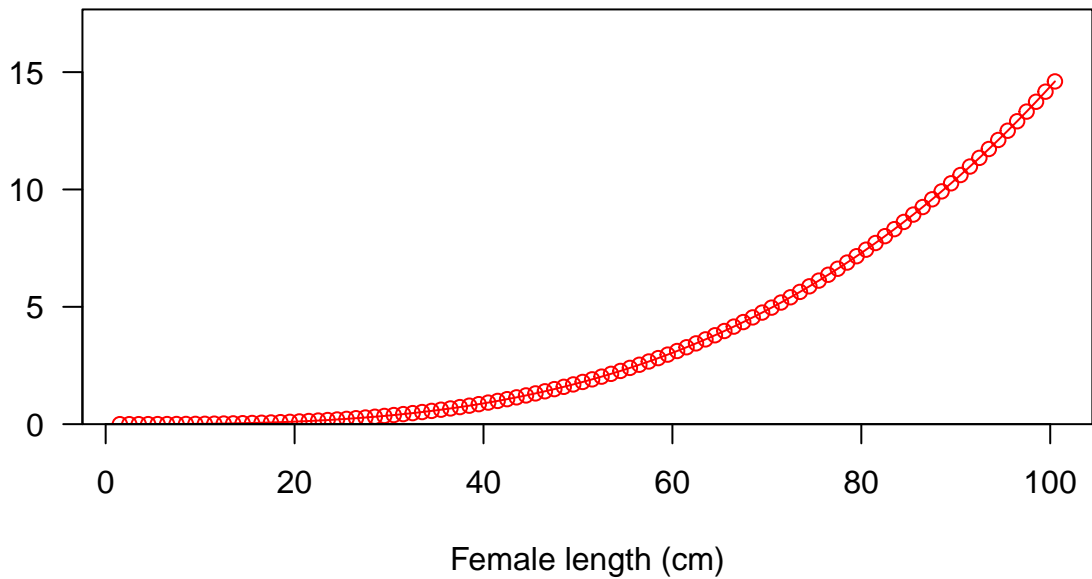




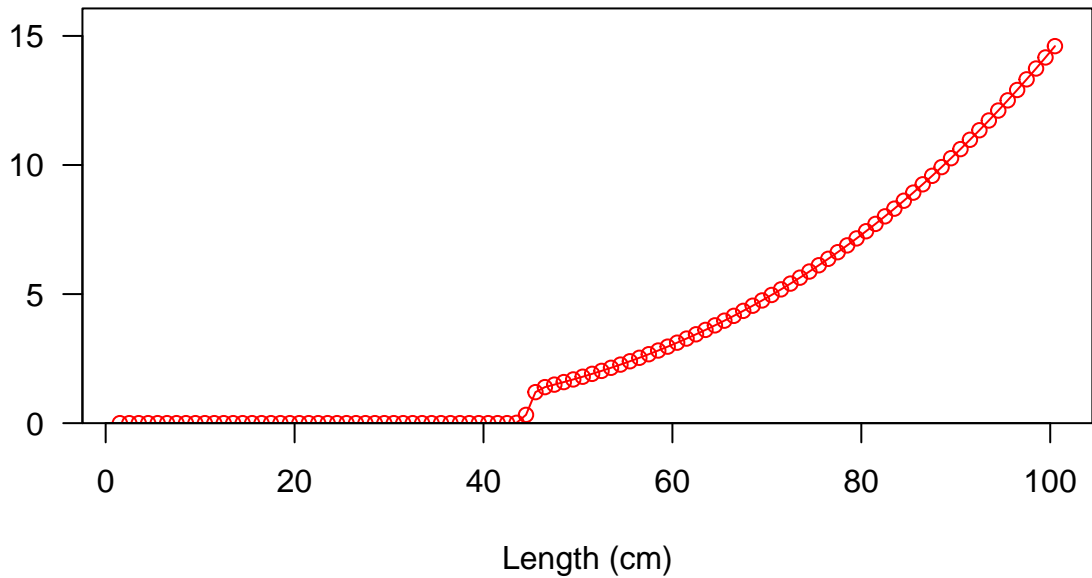
Fecundity

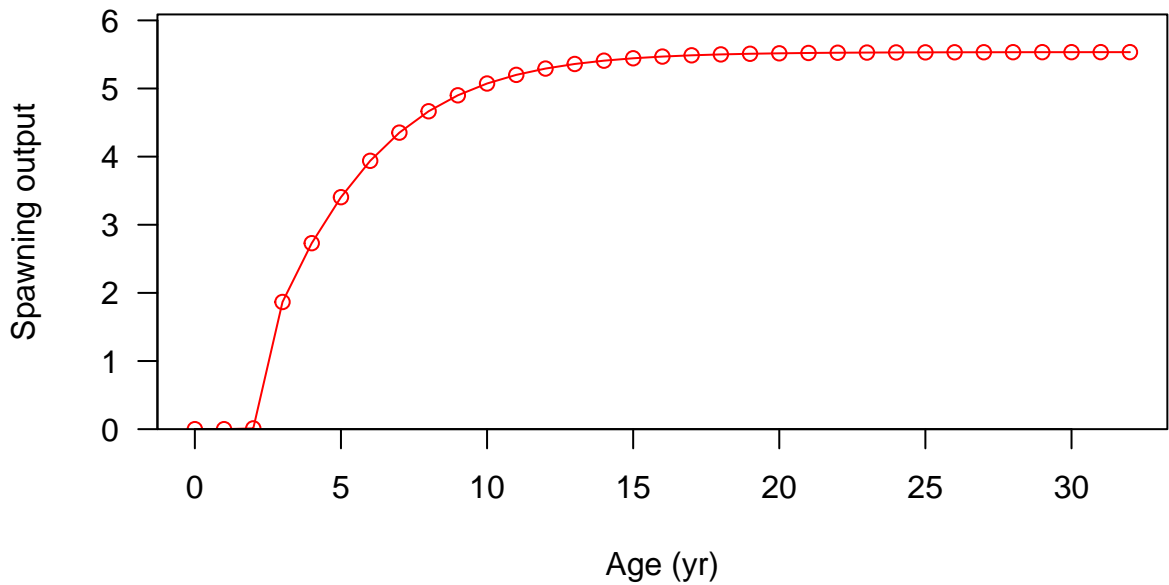


Fecundity

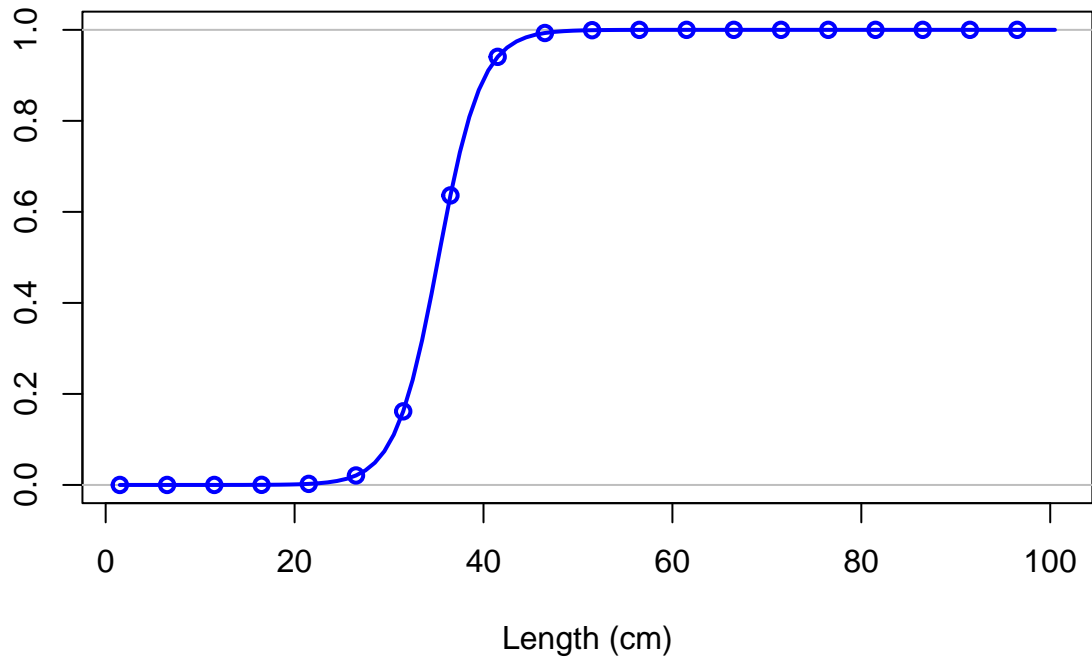


Spawning output

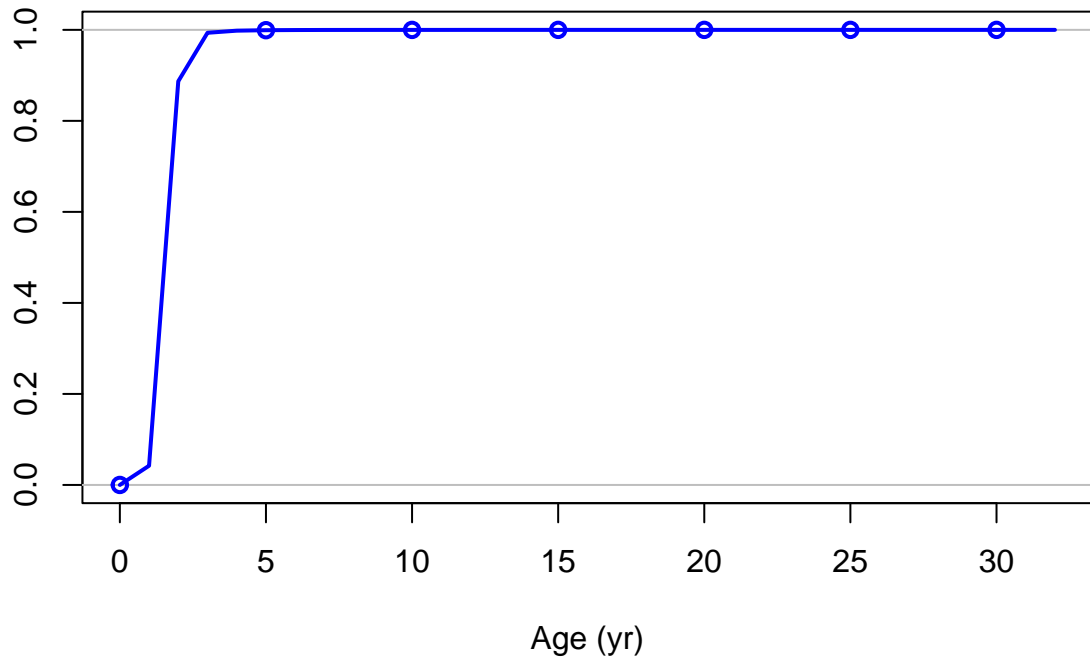




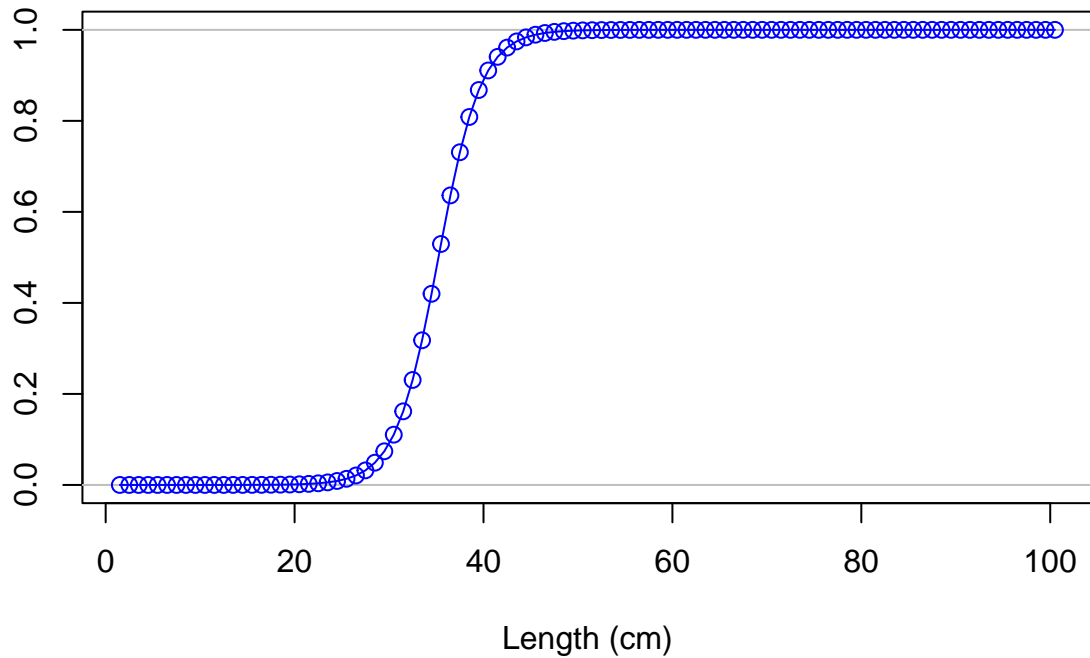
Selectivity

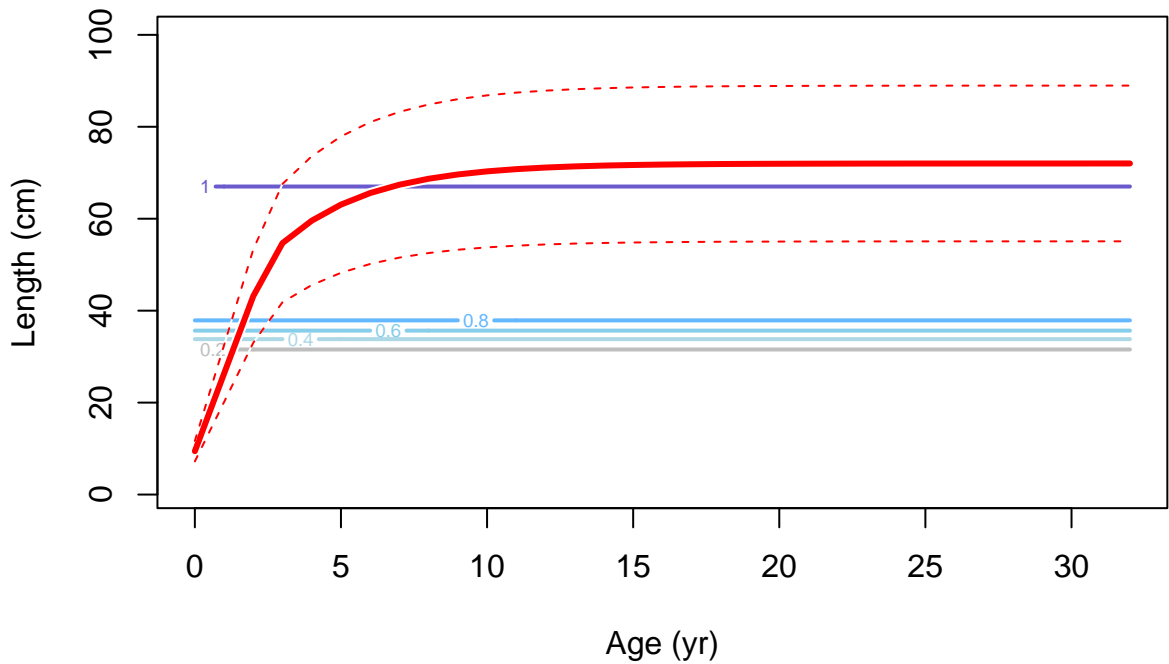


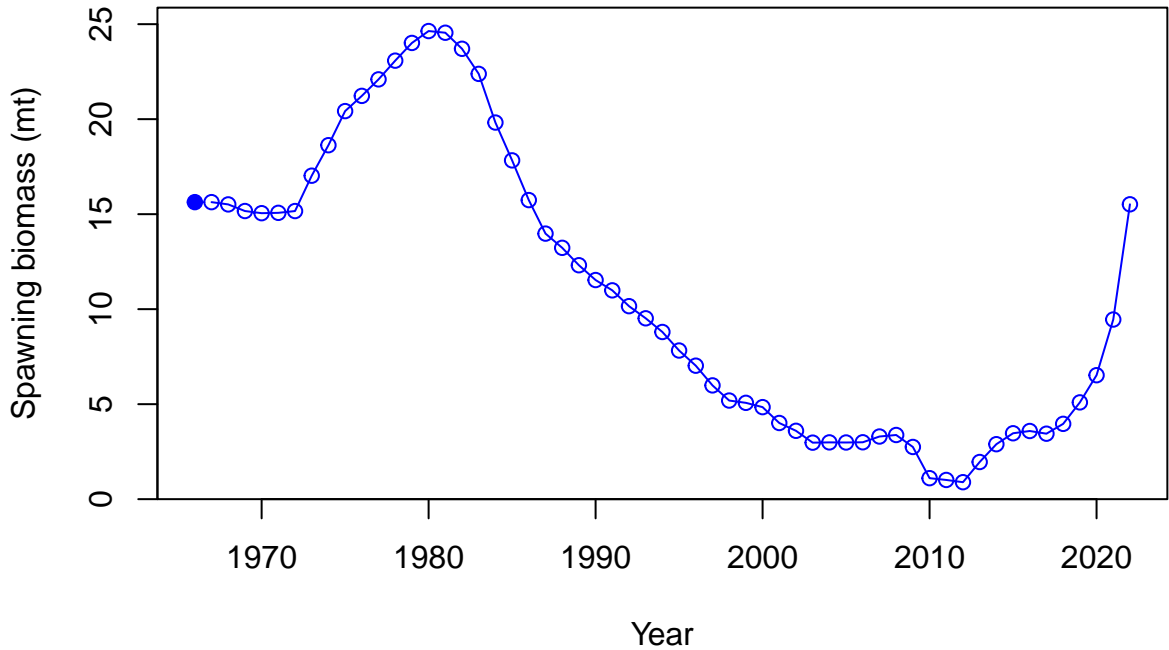
Selectivity

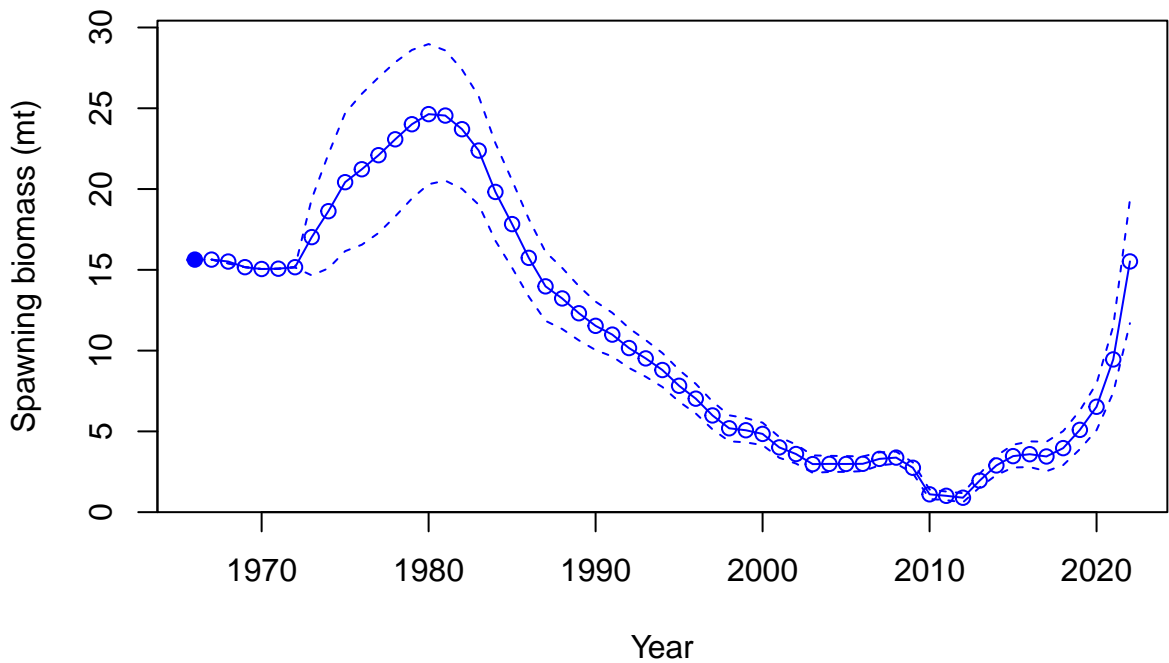


Selectivity

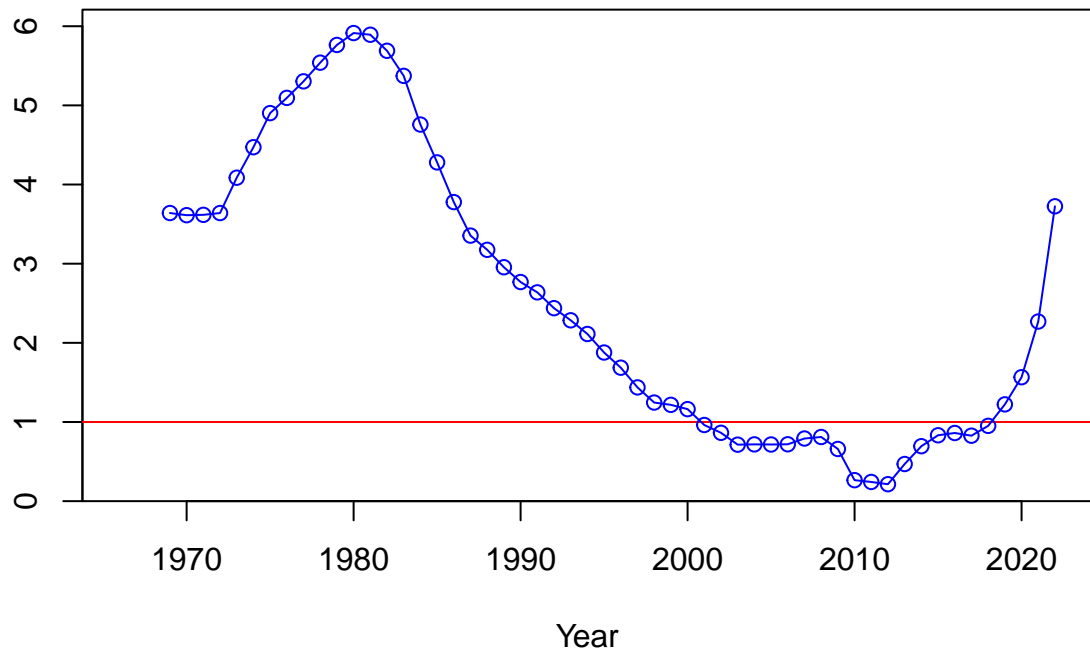




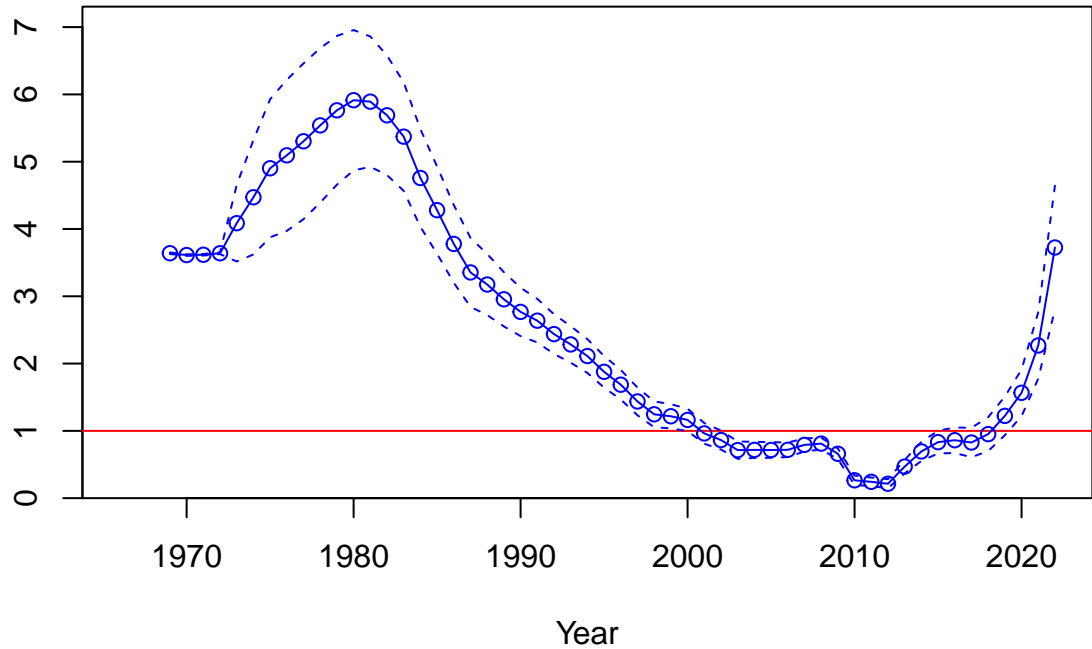


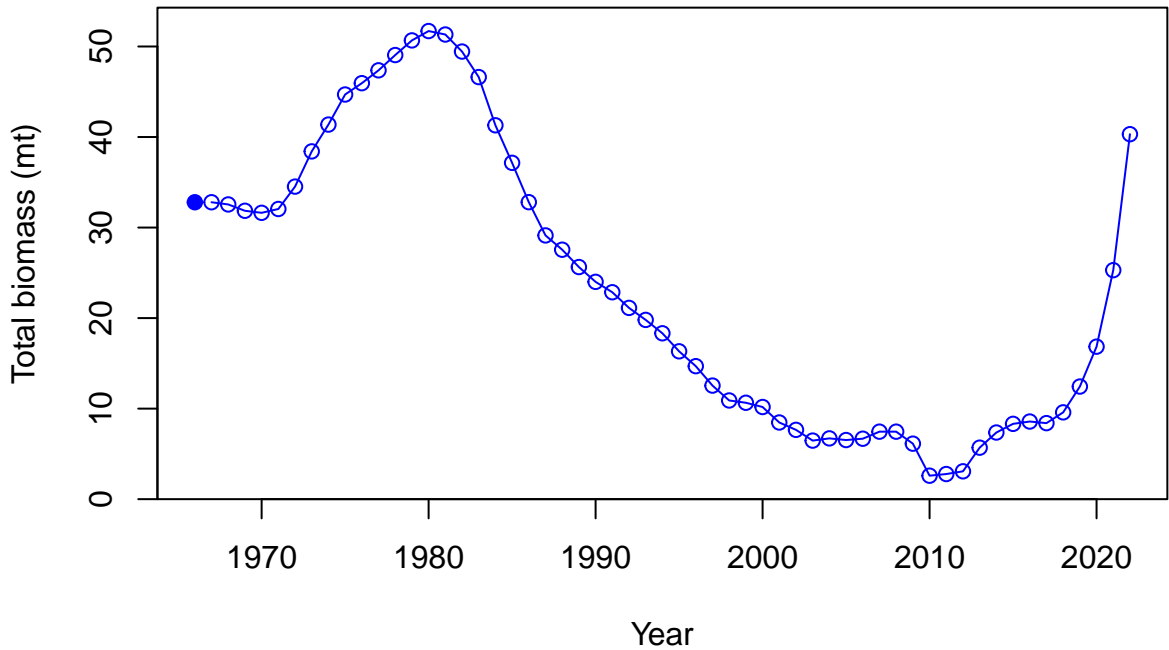


Relative spawning biomass: B/B_{MSY}

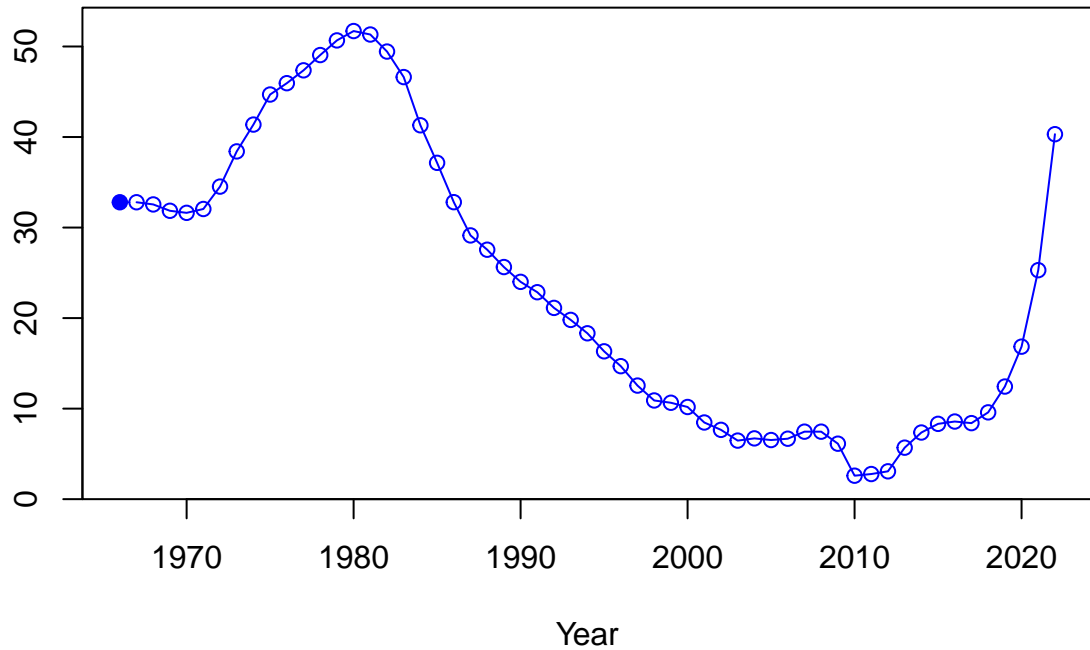


Relative spawning biomass: B/B_{MSY}

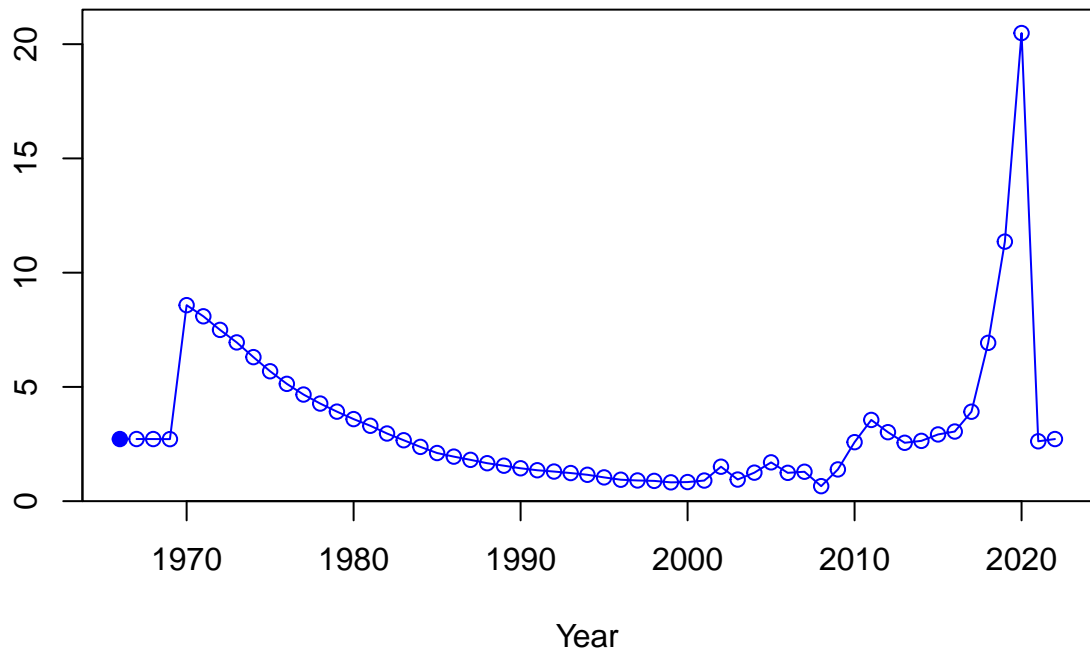




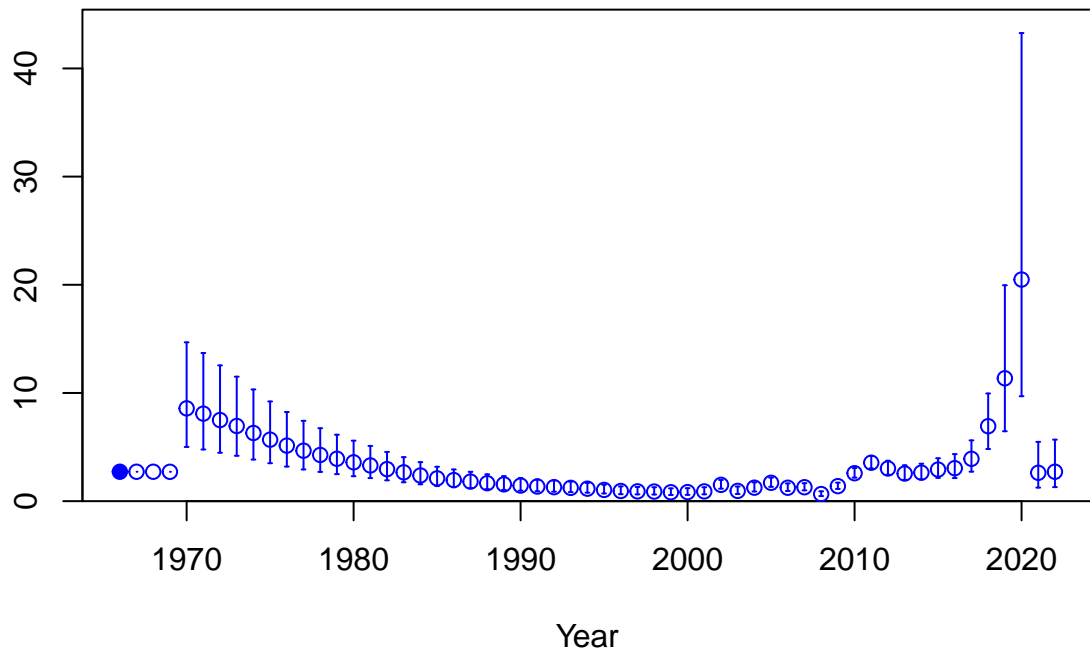
Summary biomass (mt)



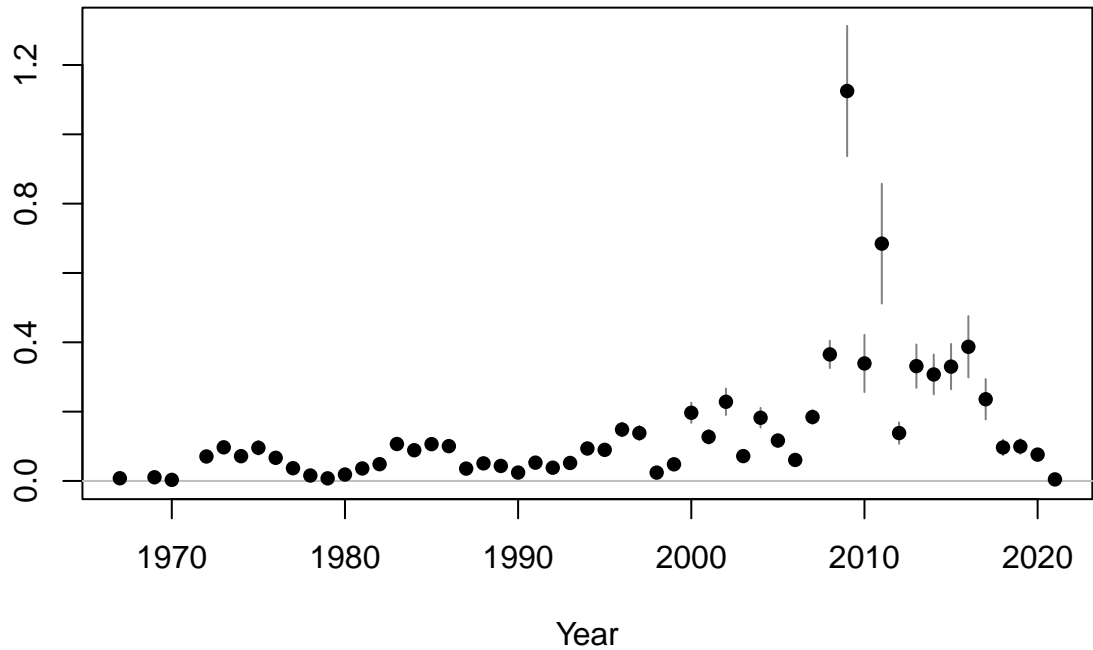
Age-0 recruits (1,000s)

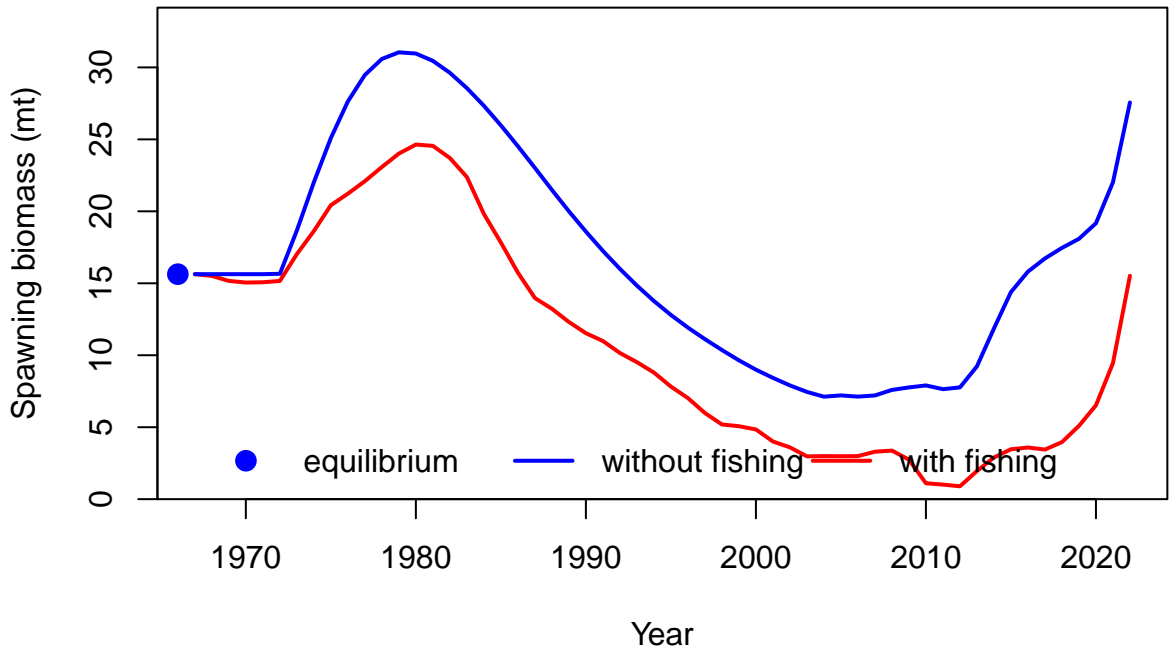


Age-0 recruits (1,000s)

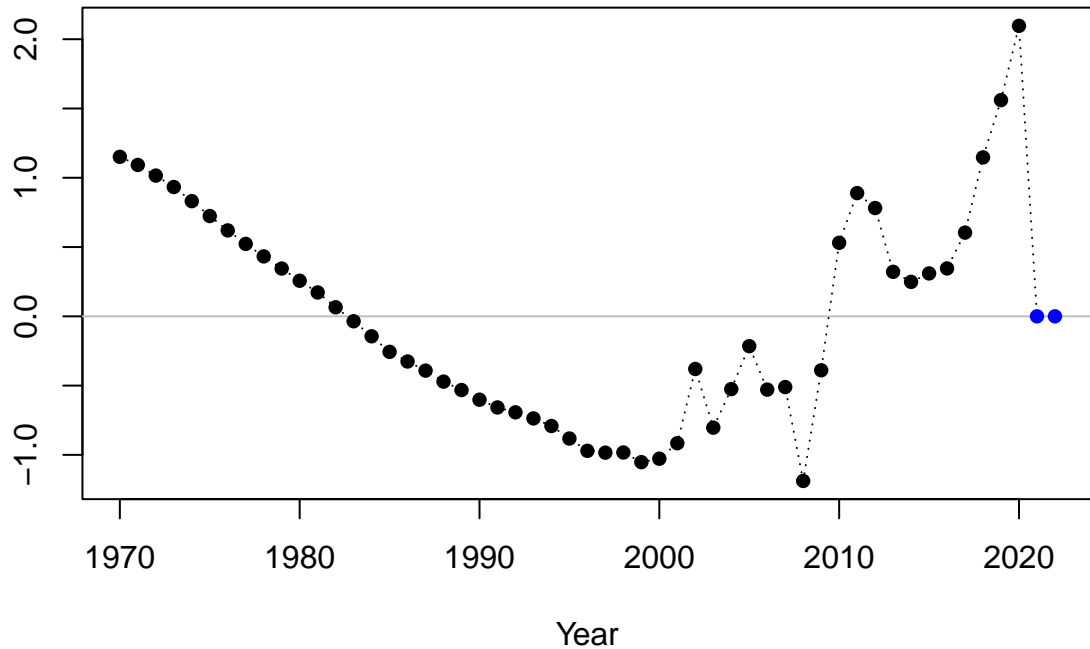


Summary Fishing Mortality

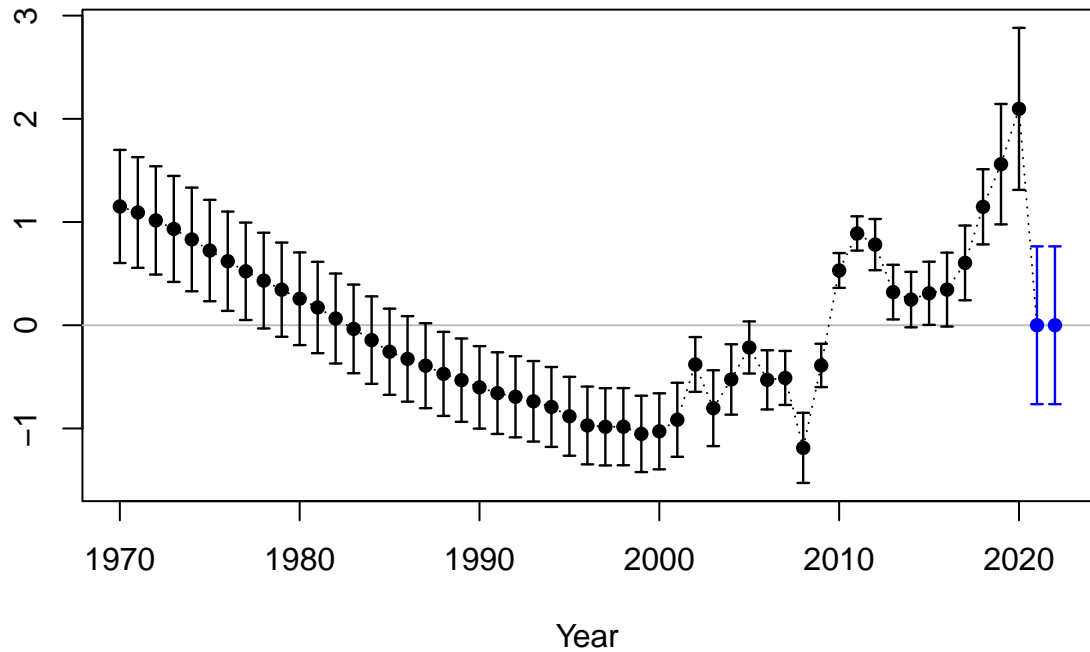




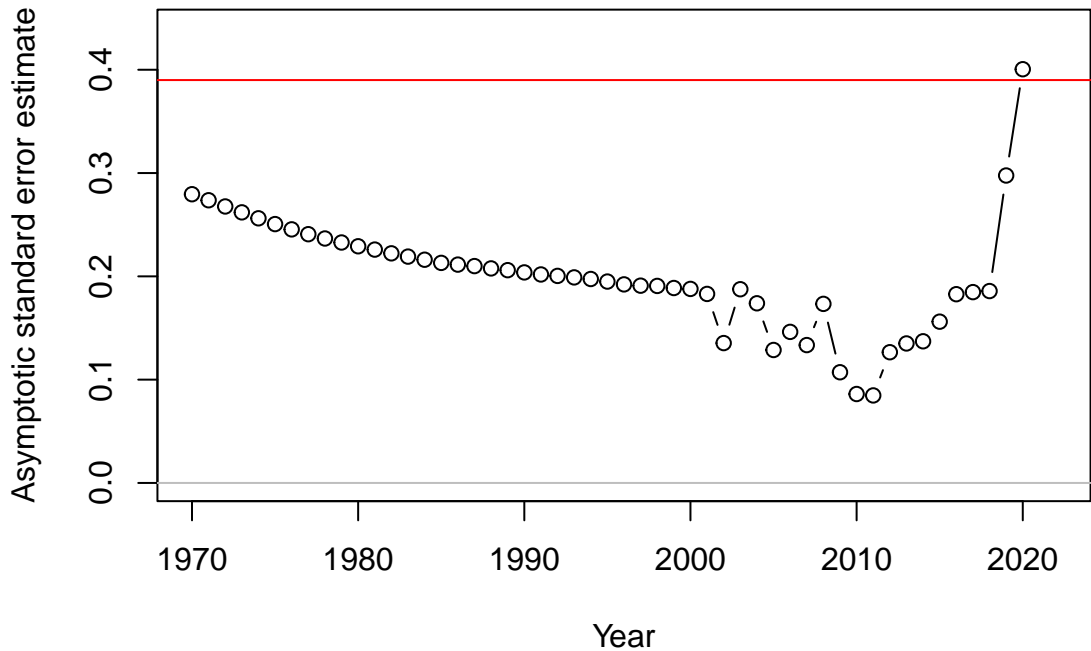
Log recruitment deviation

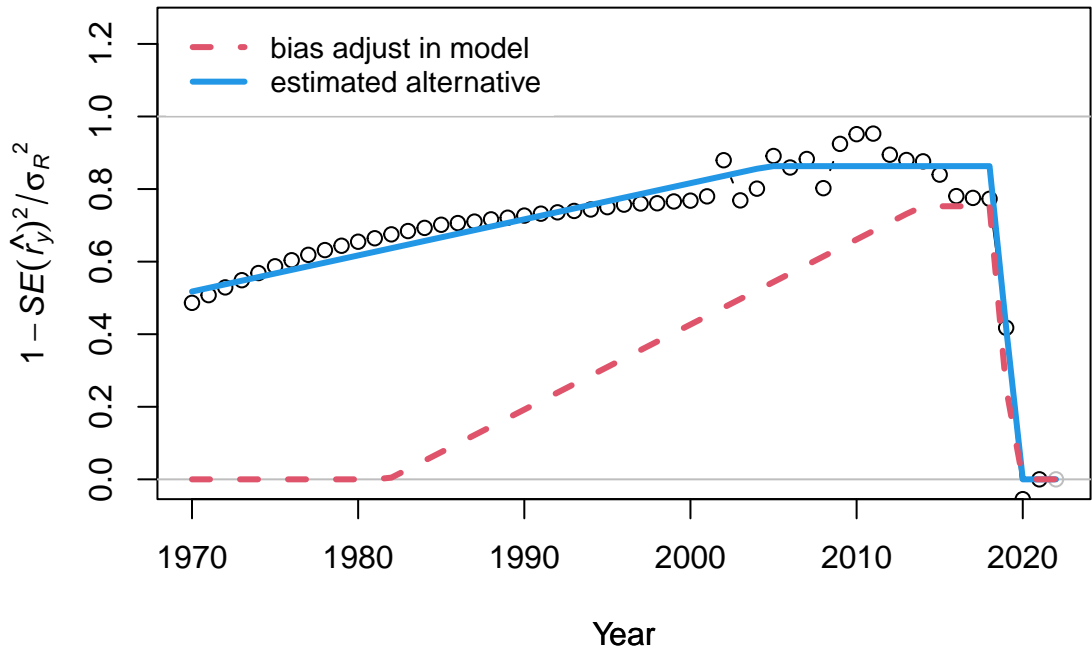


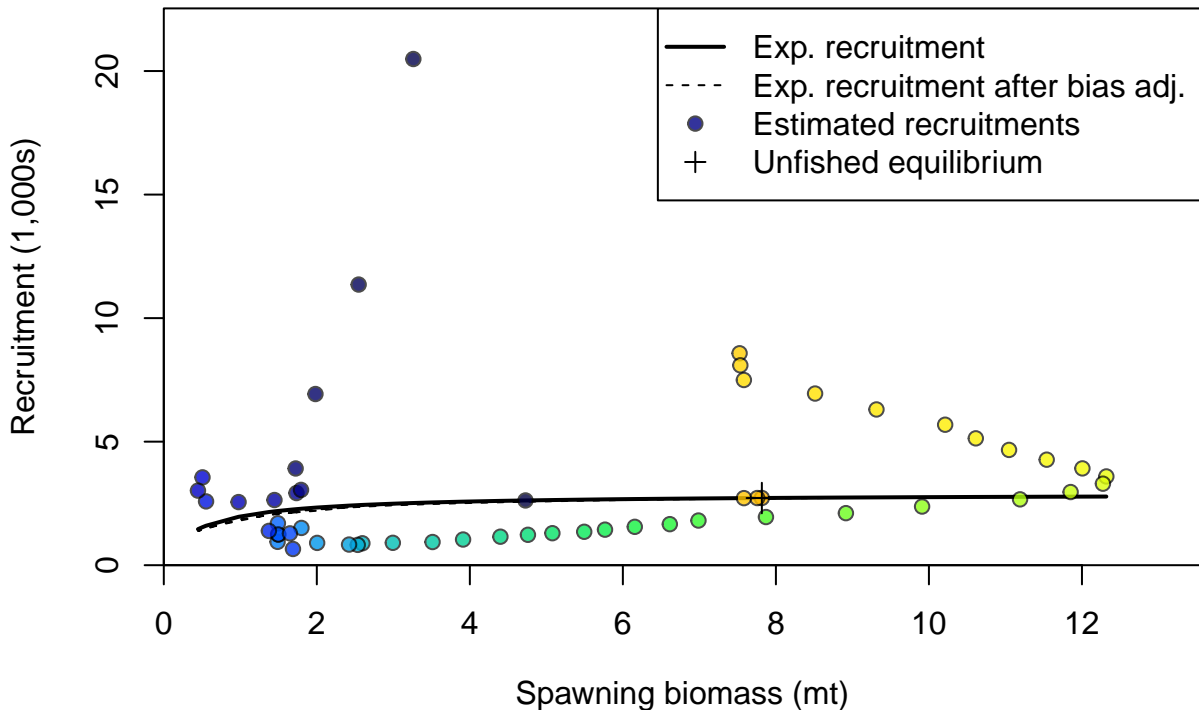
Log recruitment deviation

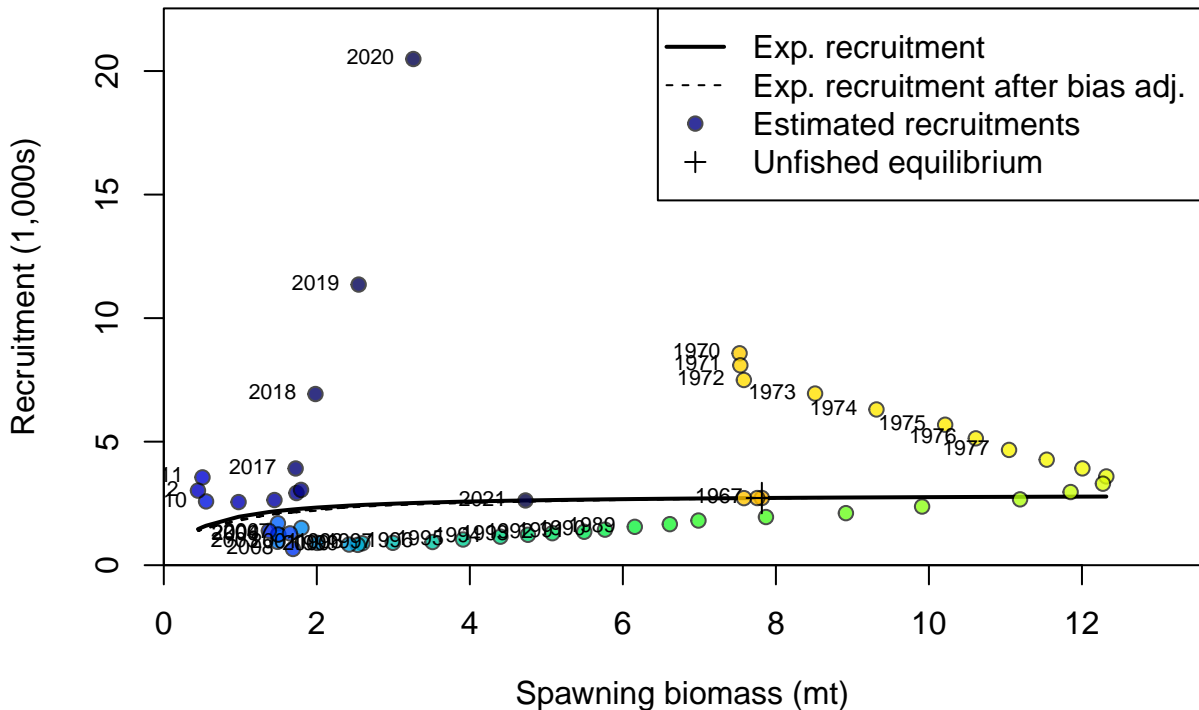


Recruitment deviation variance

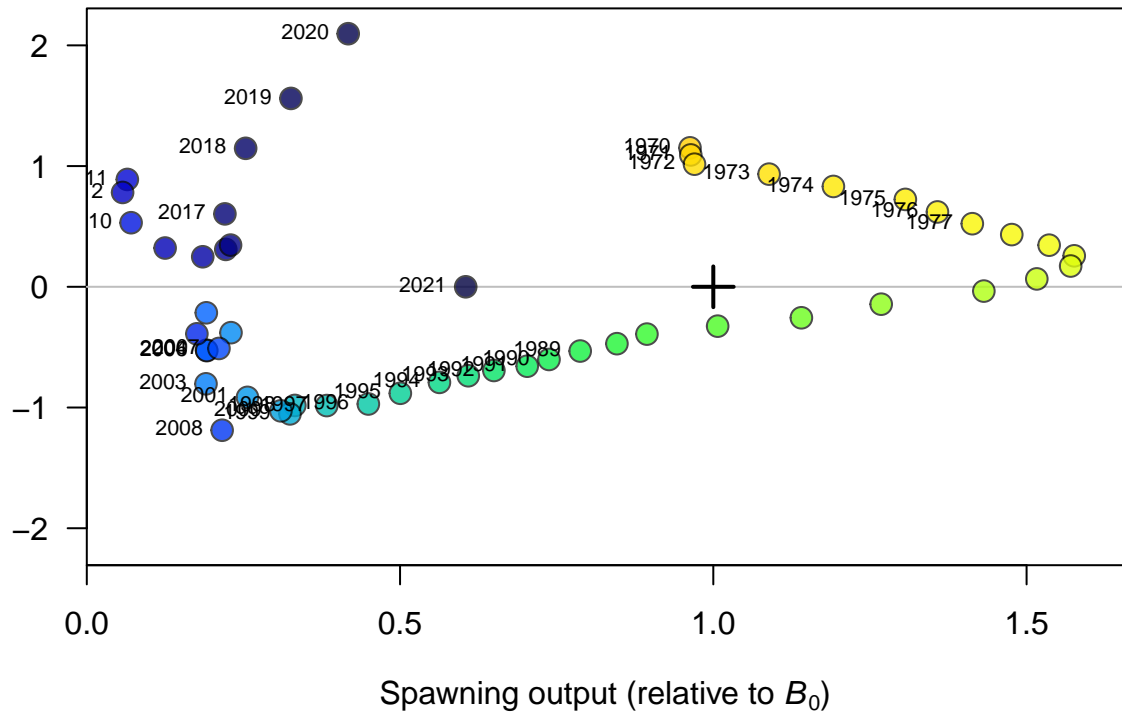


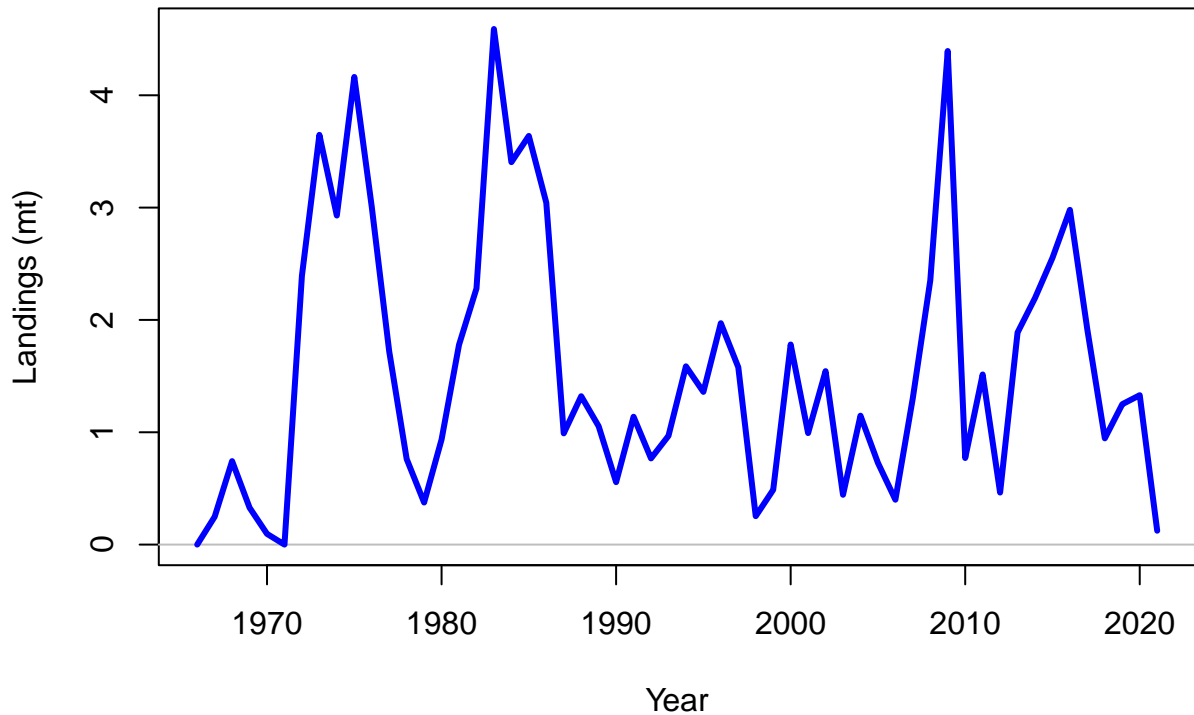


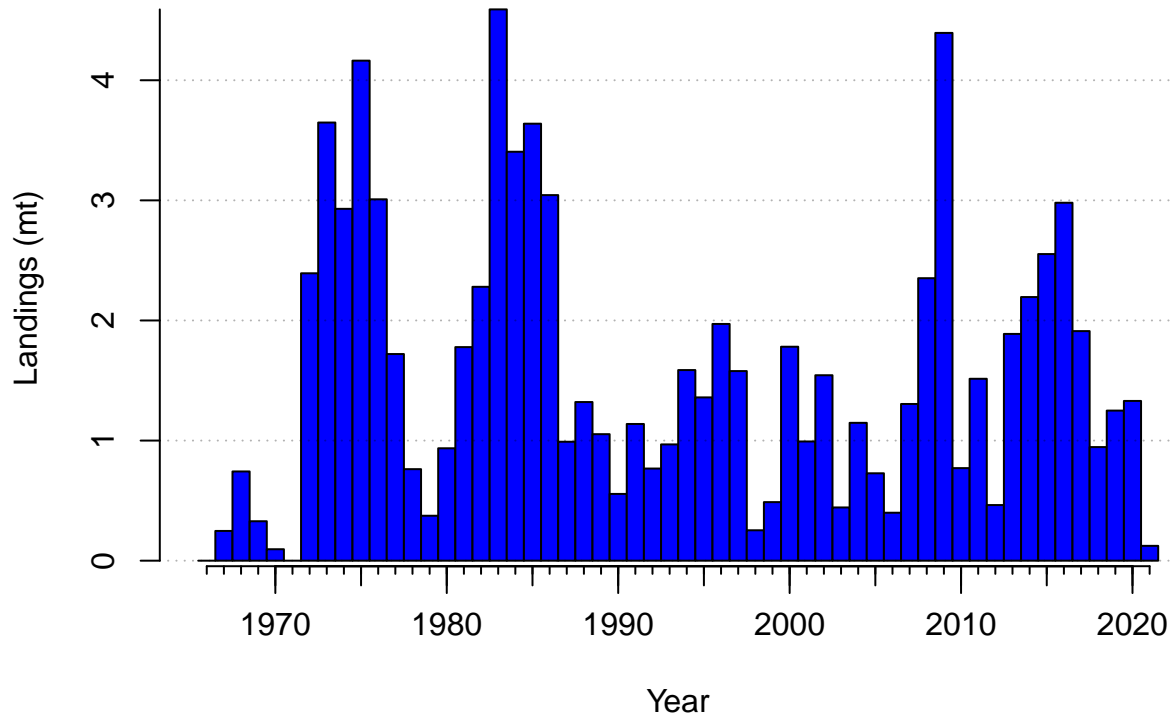


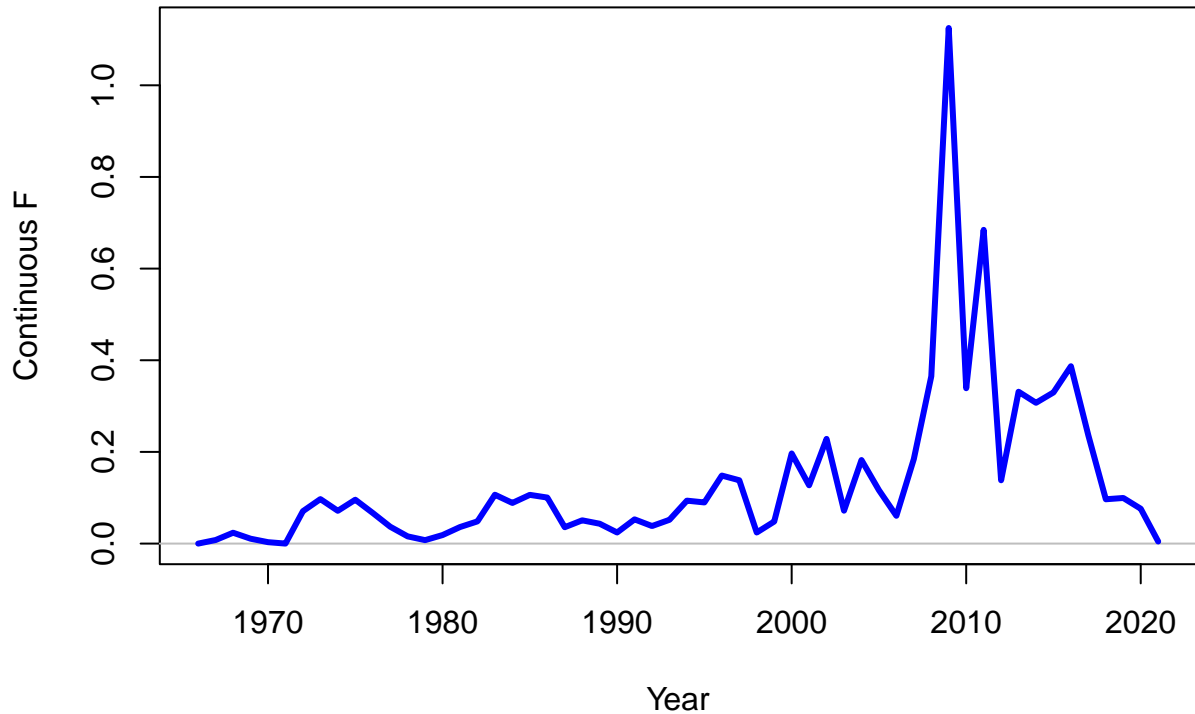


Log recruitment deviation

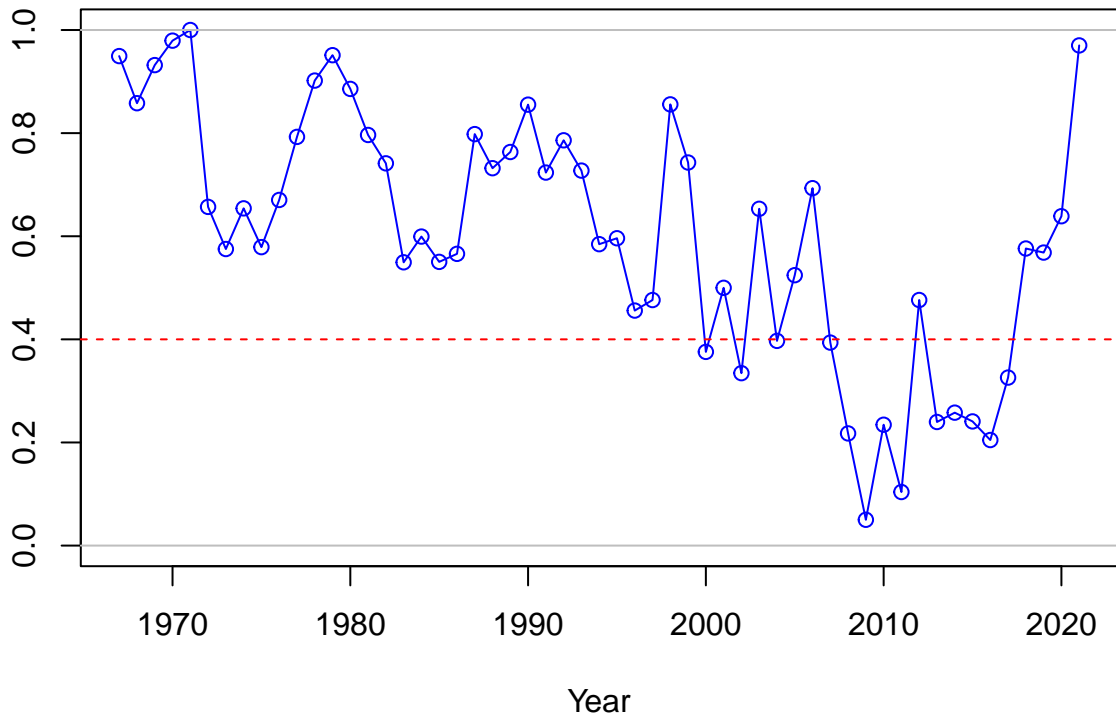




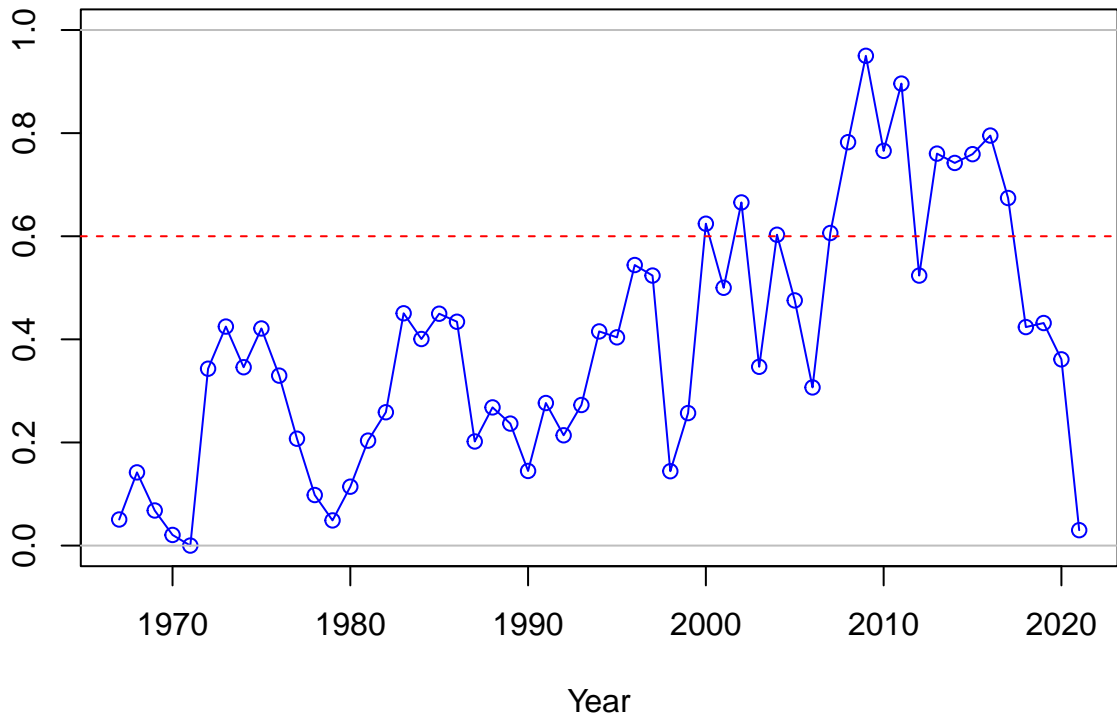




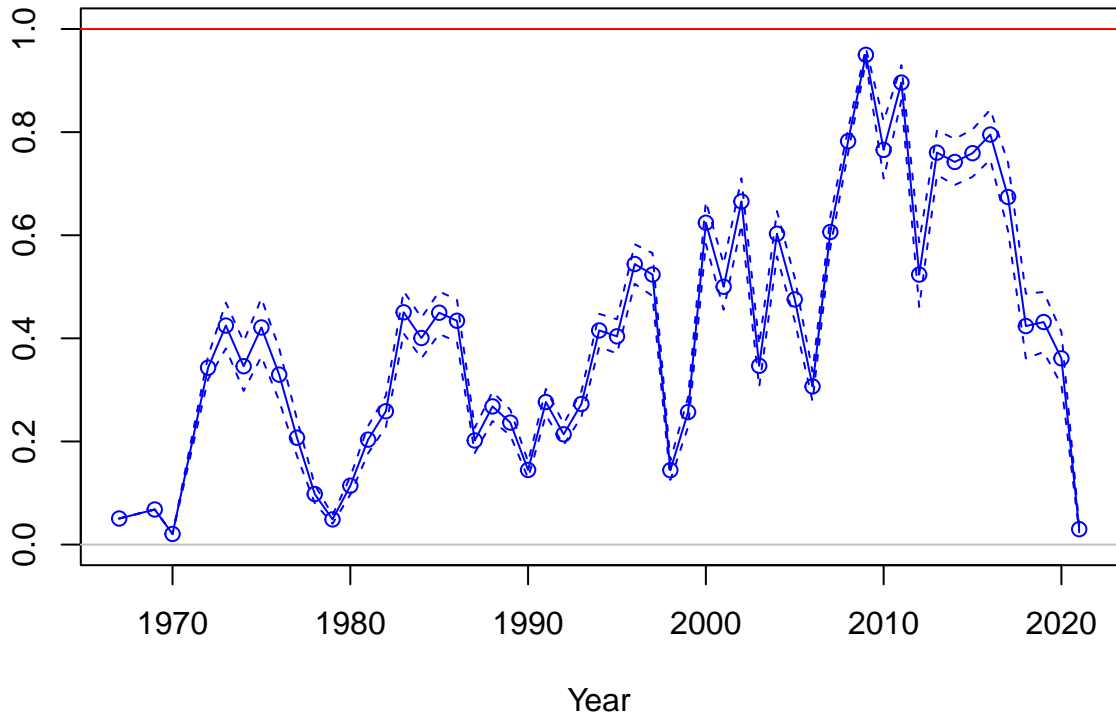
SPR



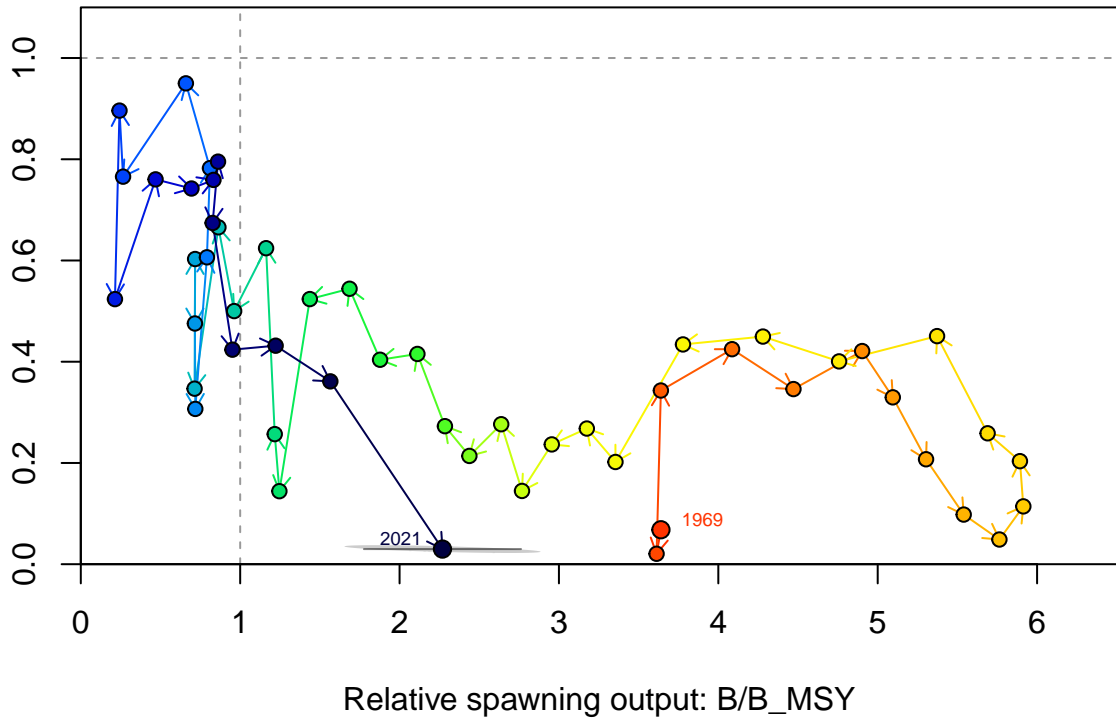
1-SPR



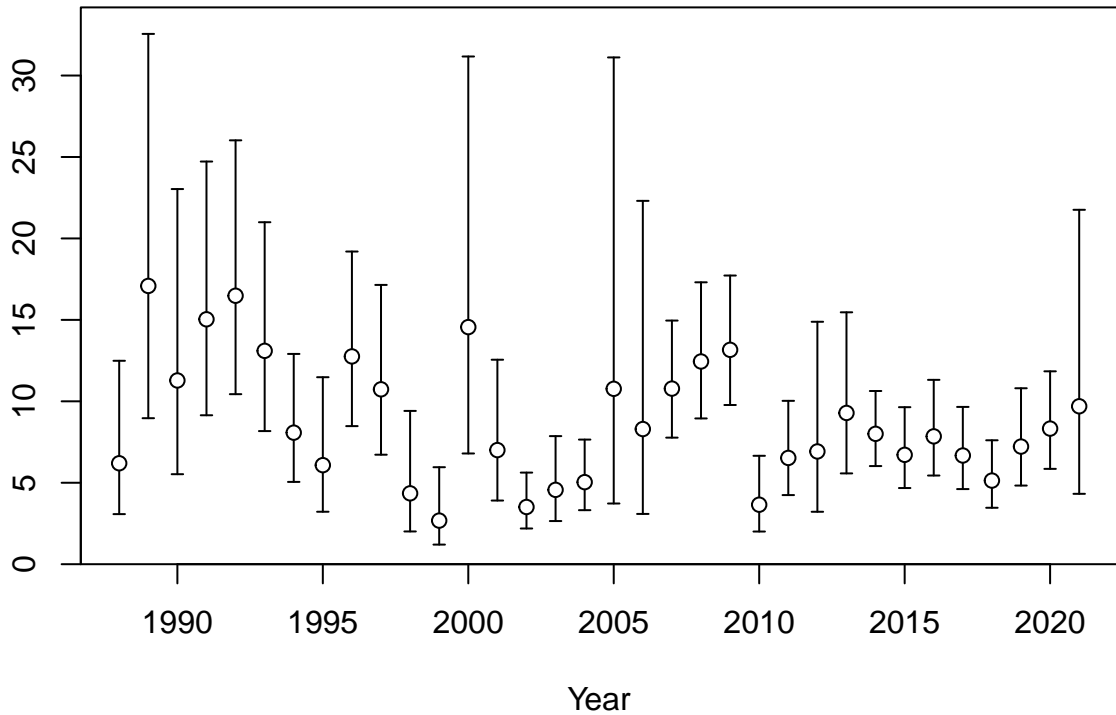
Fishing intensity: 1-SPR

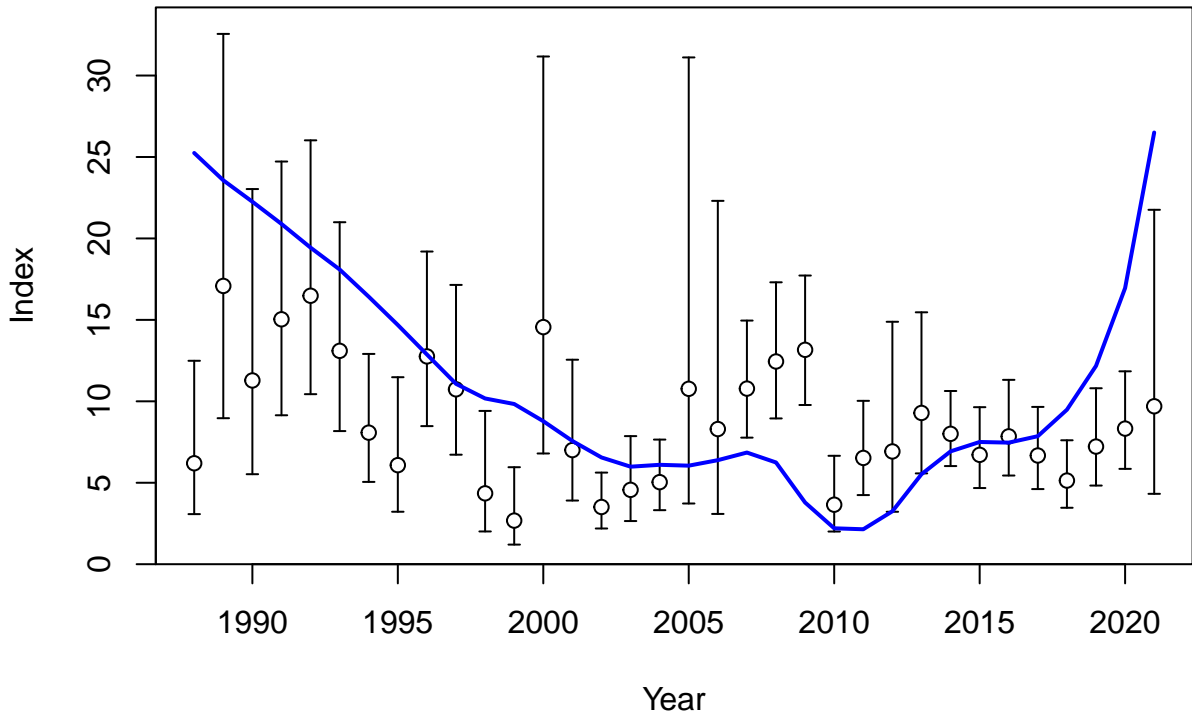


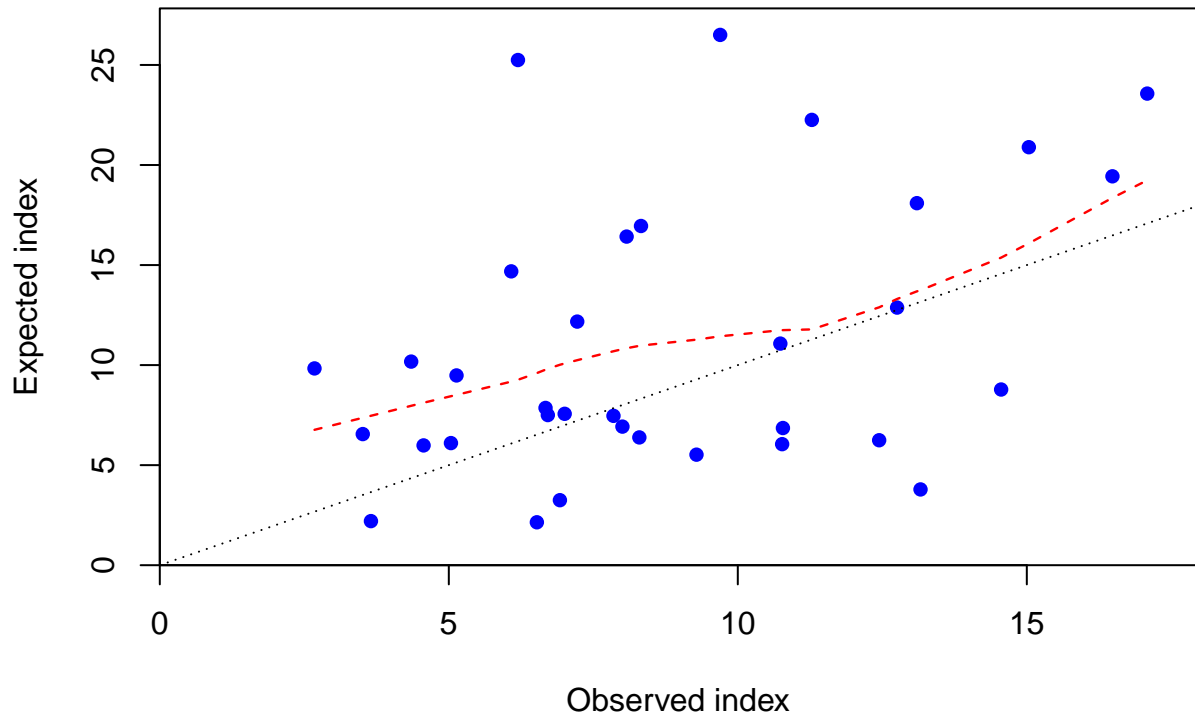
Fishing intensity: 1-SPR



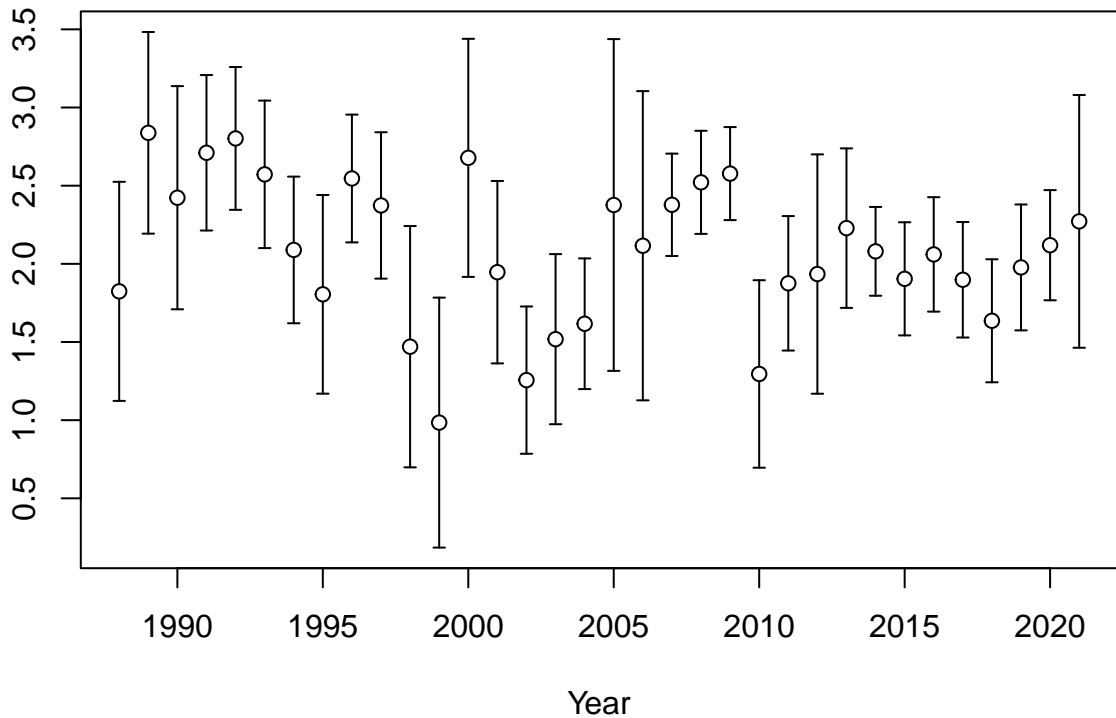
Index



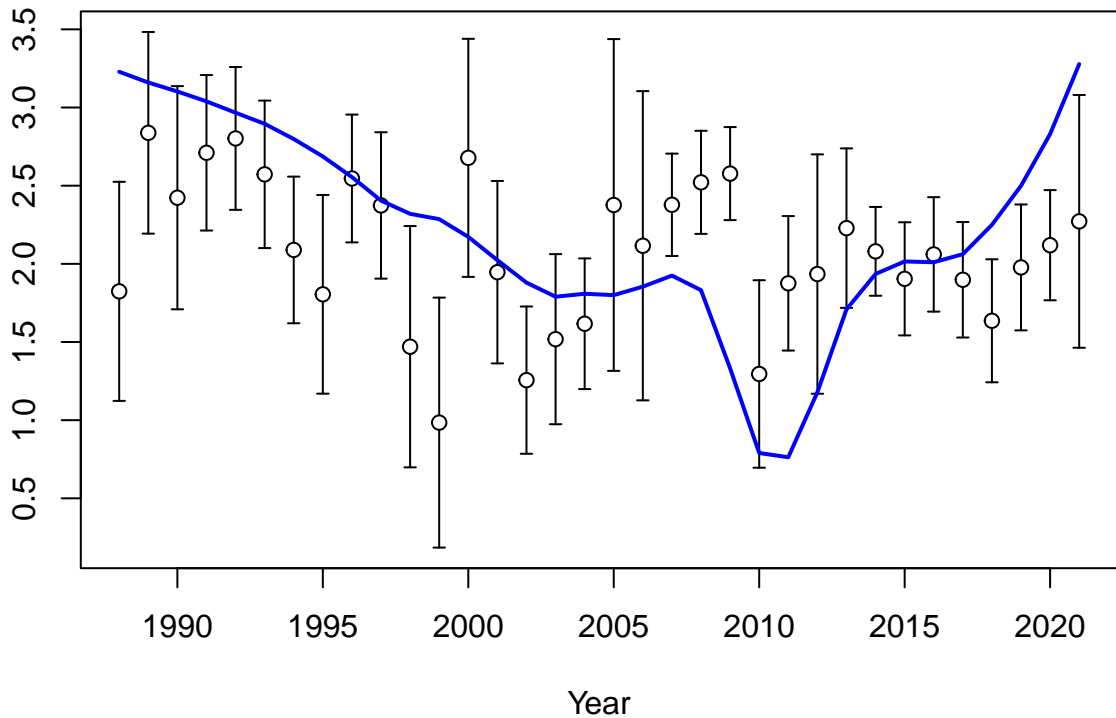


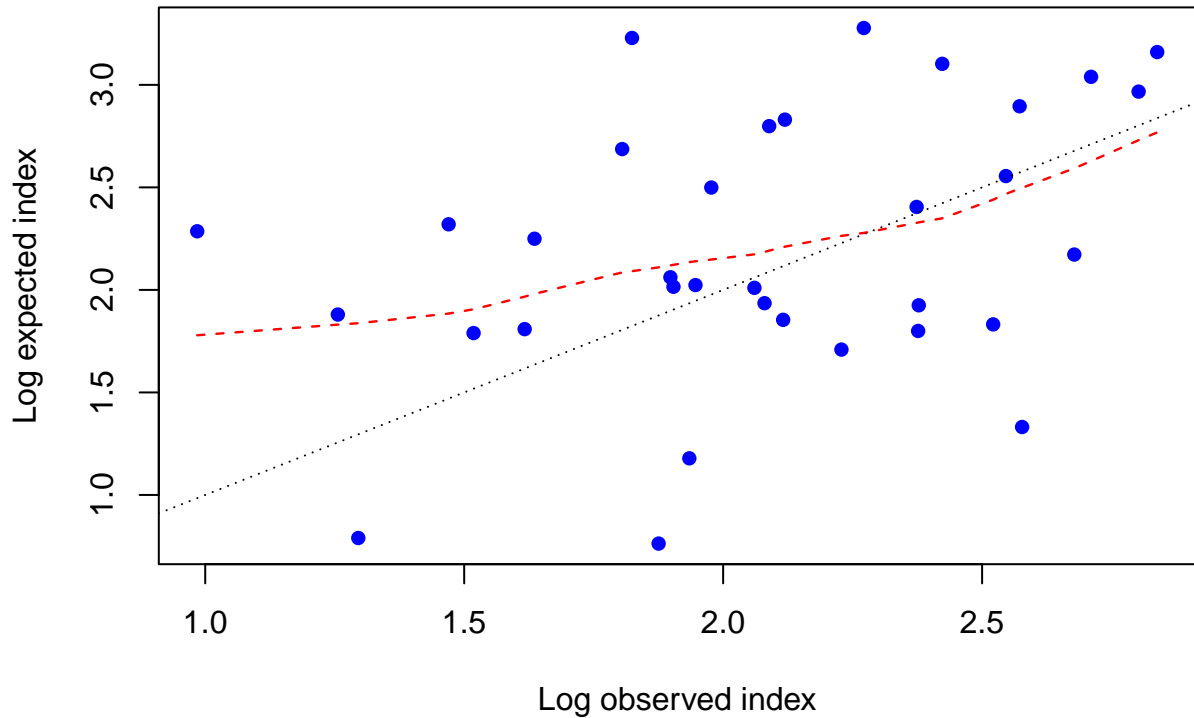


Log index



Log index





Effective catchability

0.9693448
0.9693444
0.9693440

5

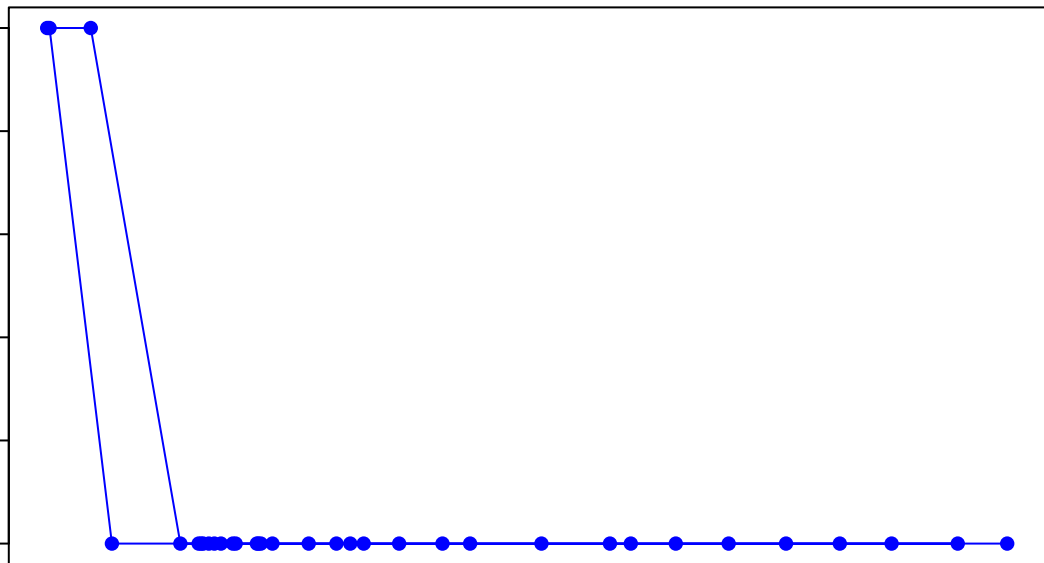
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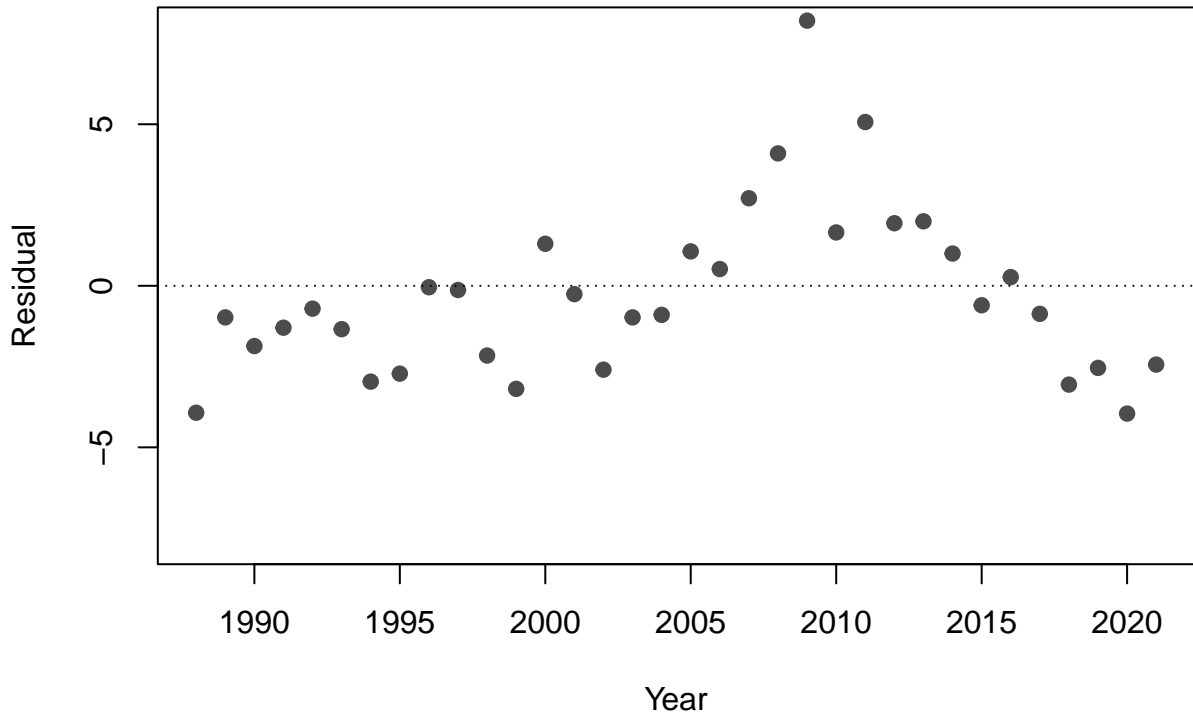
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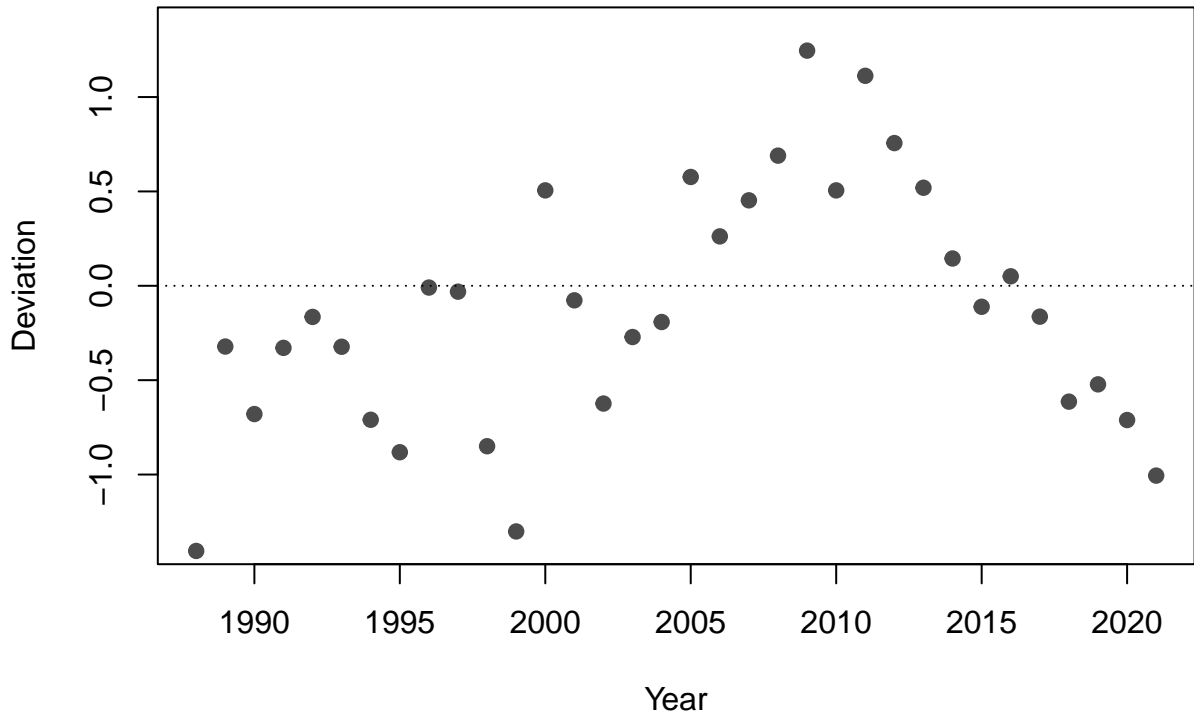
20

25

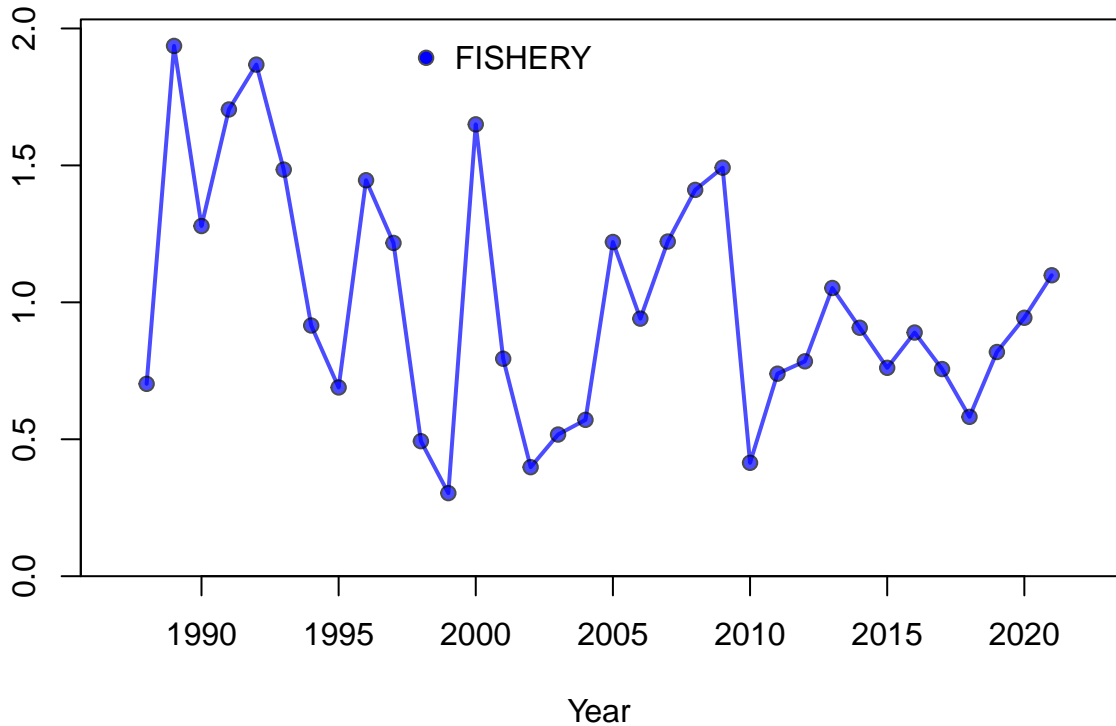
Vulnerable biomass

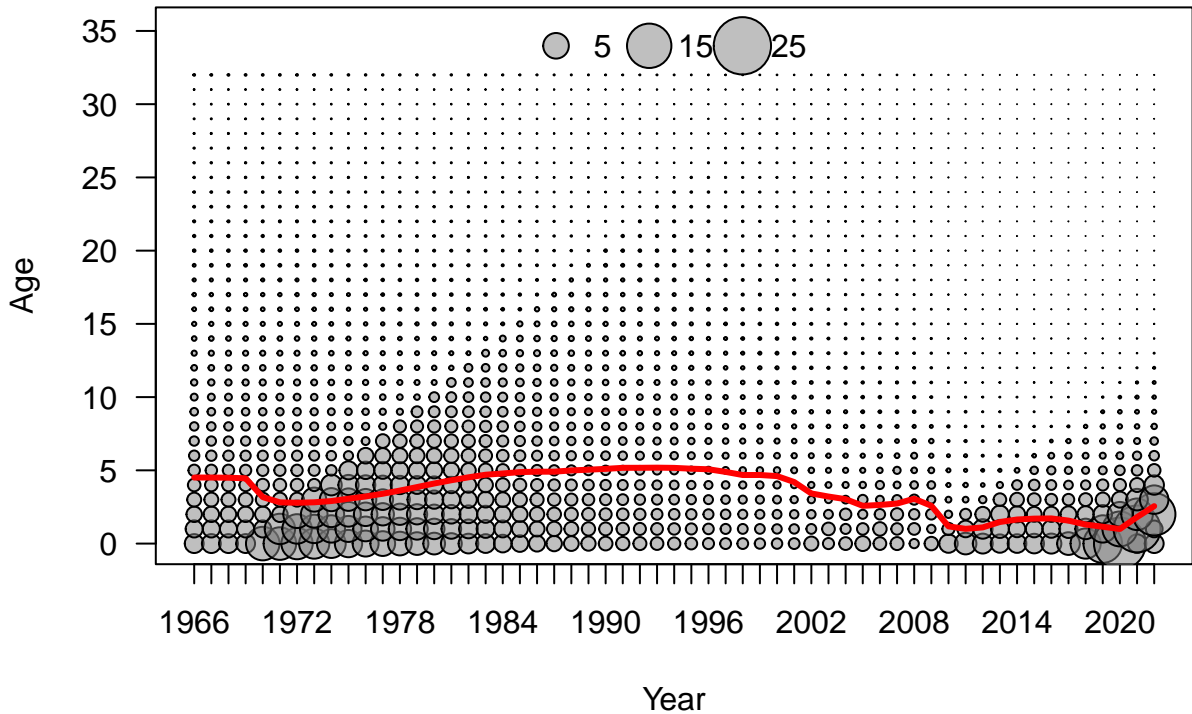


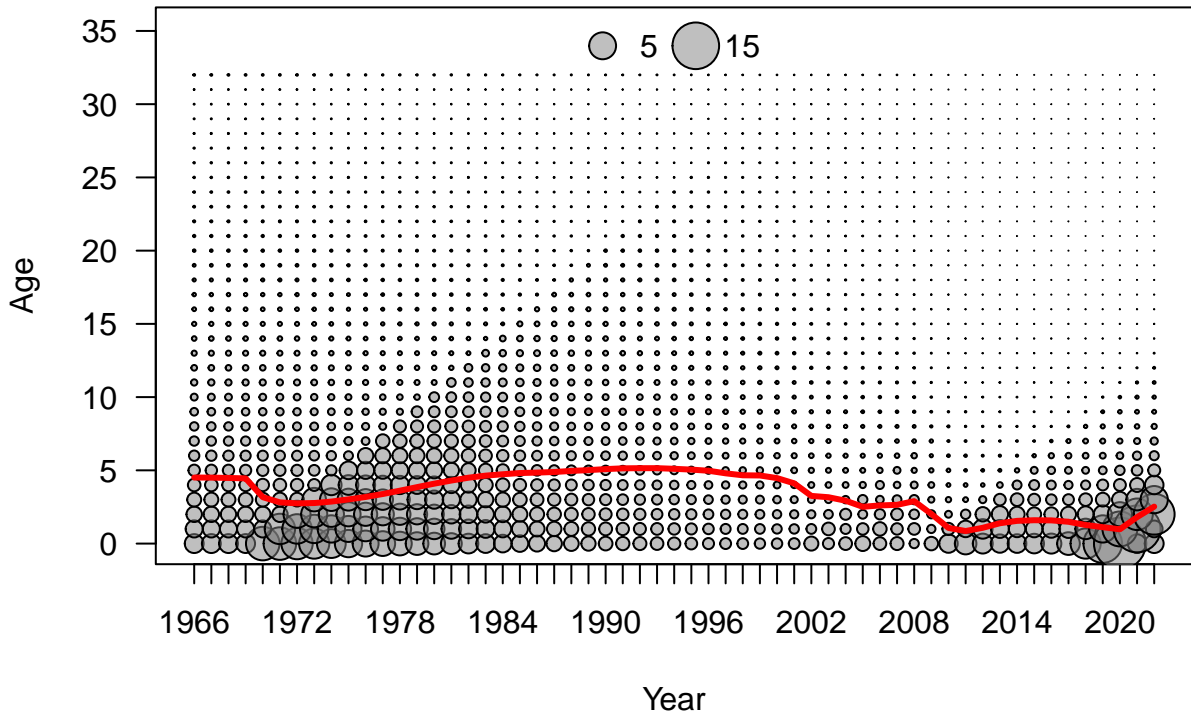


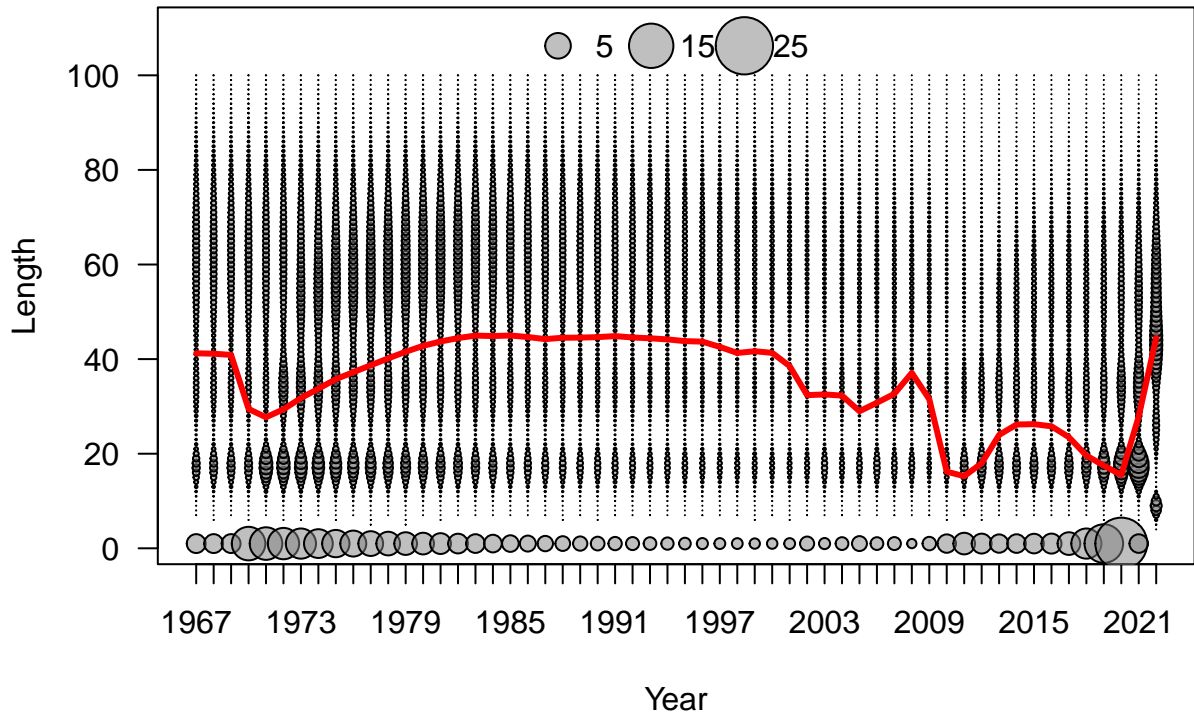


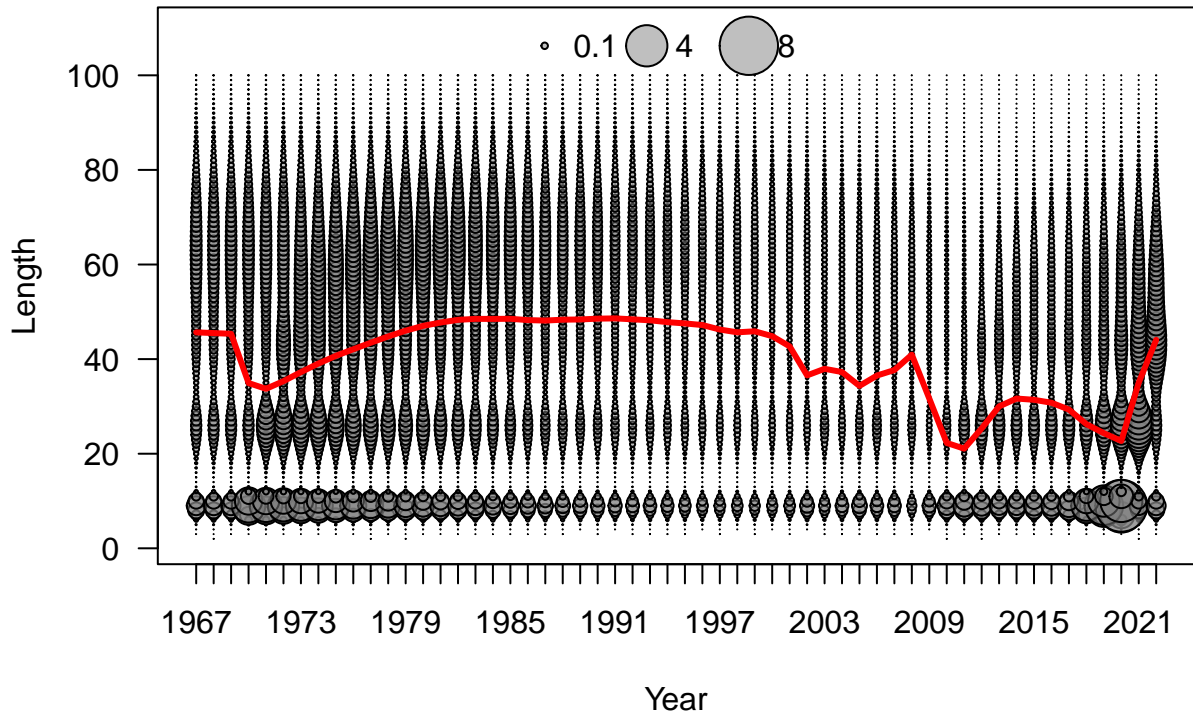
Standardized index

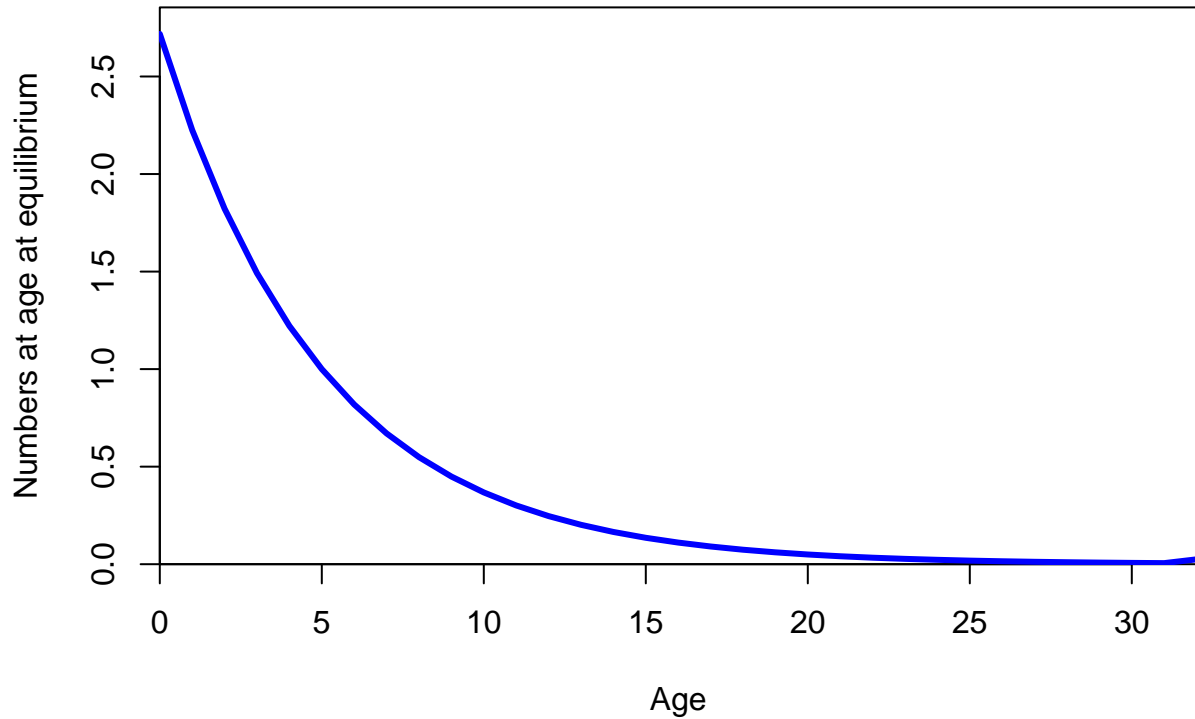


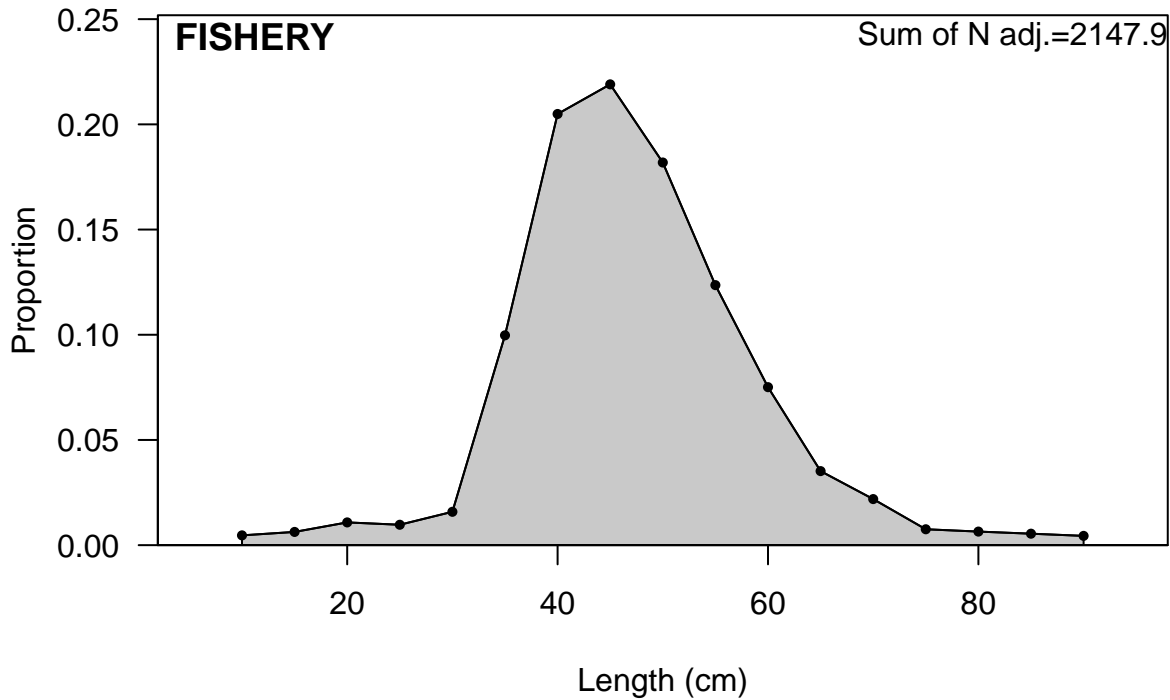






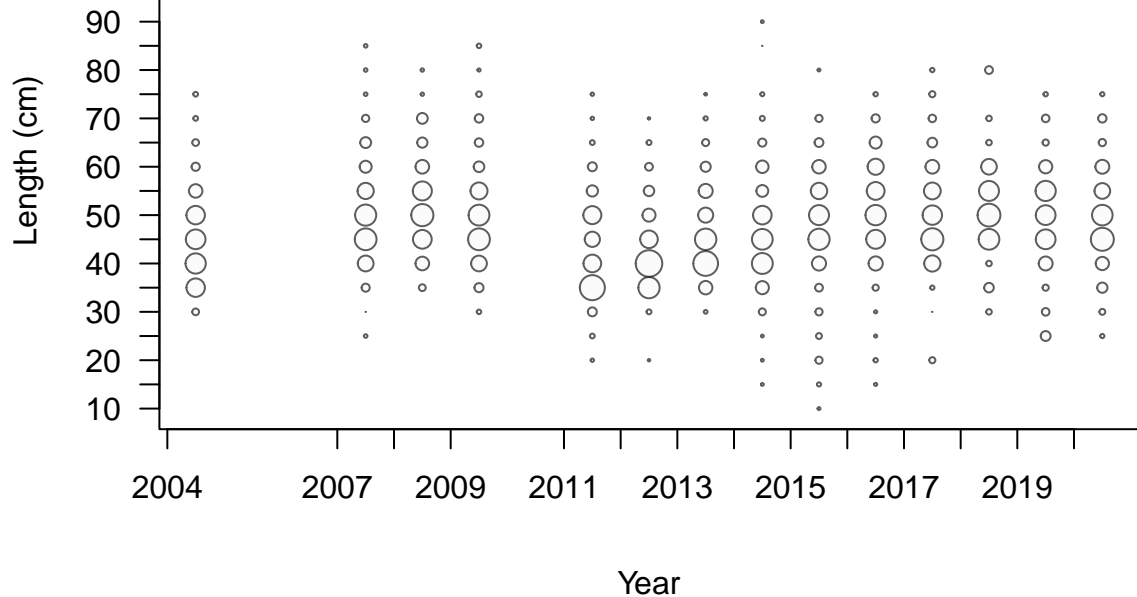




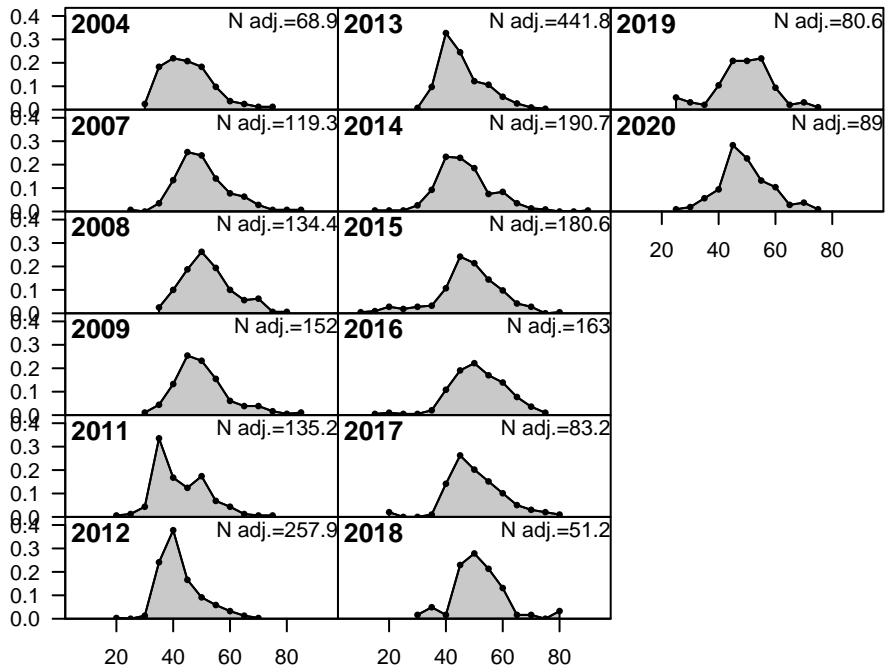


FISHERY

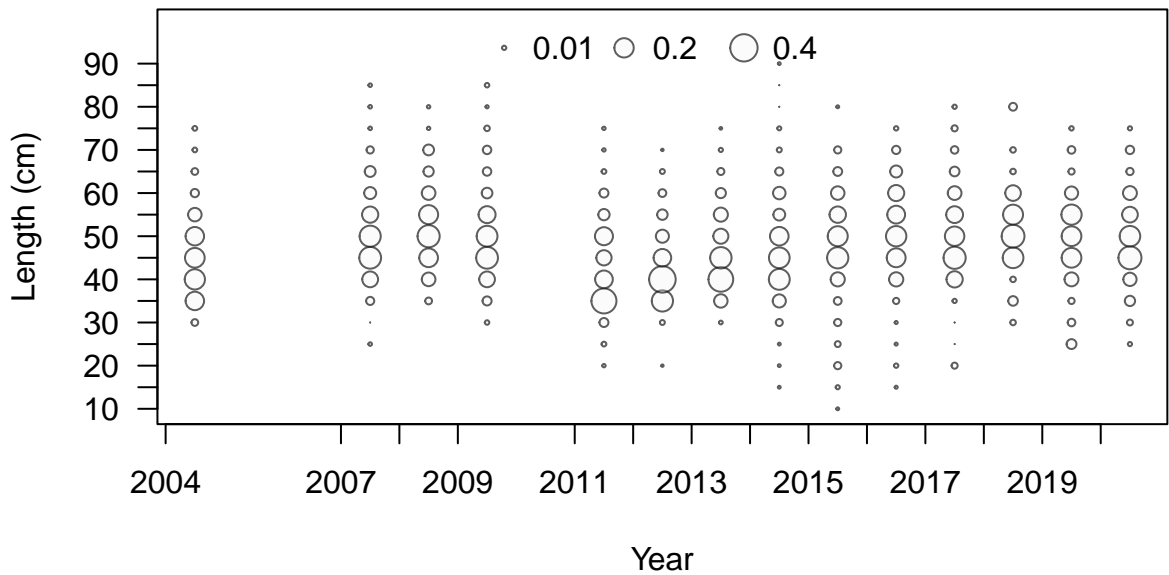
• 0.01 ○ 0.2 ○ 0.4



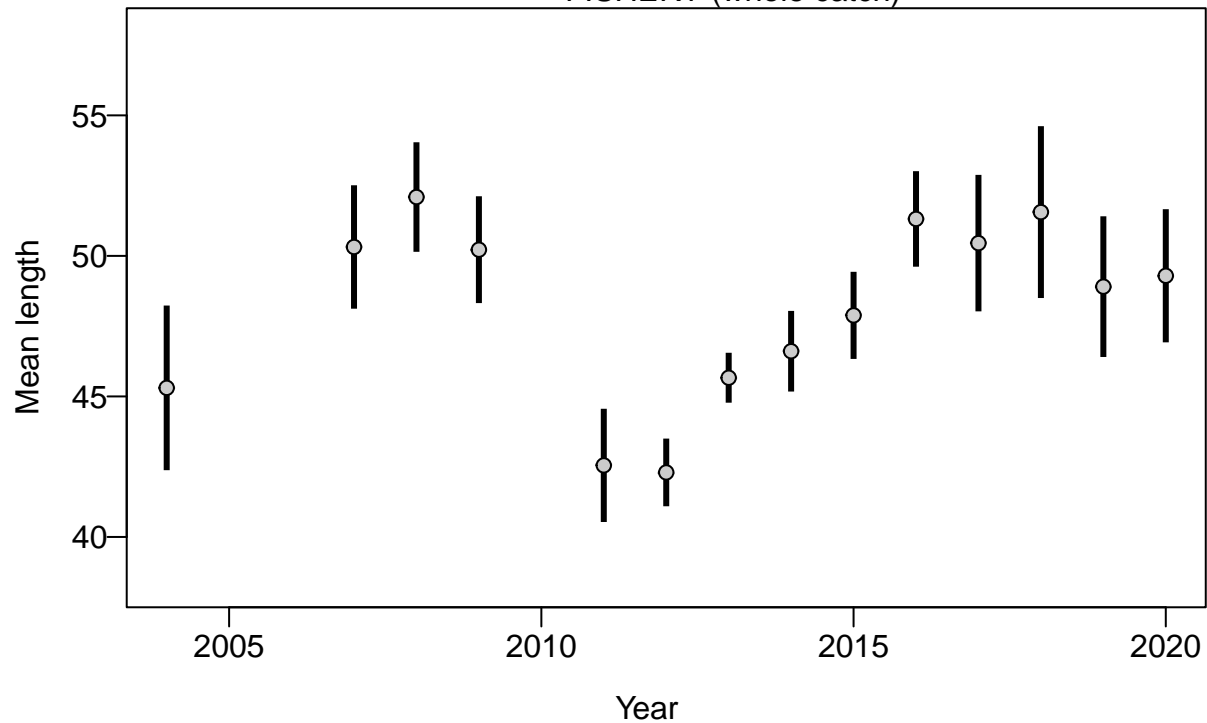
Proportion

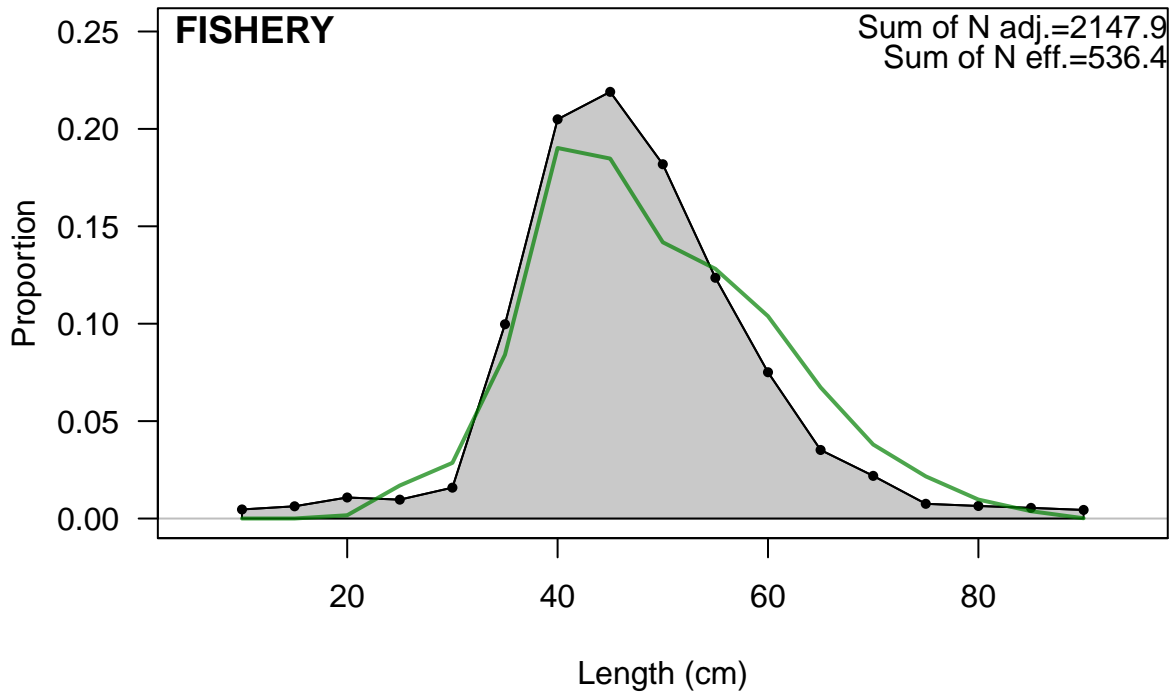


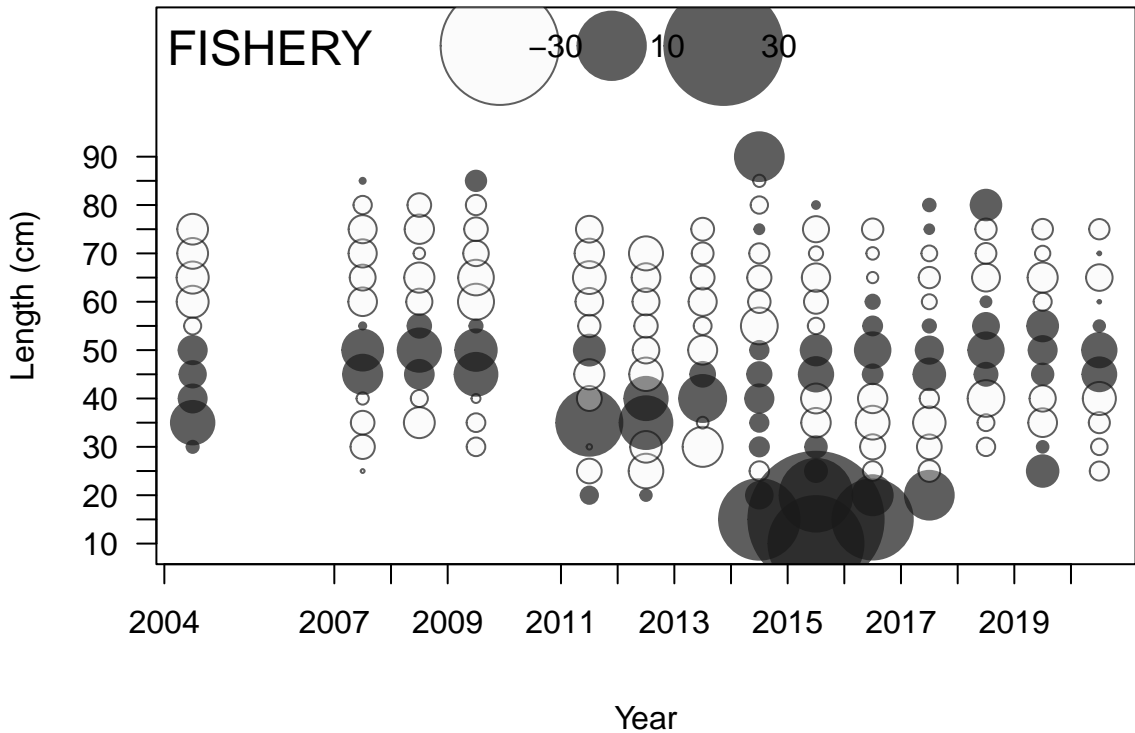
Length (cm)



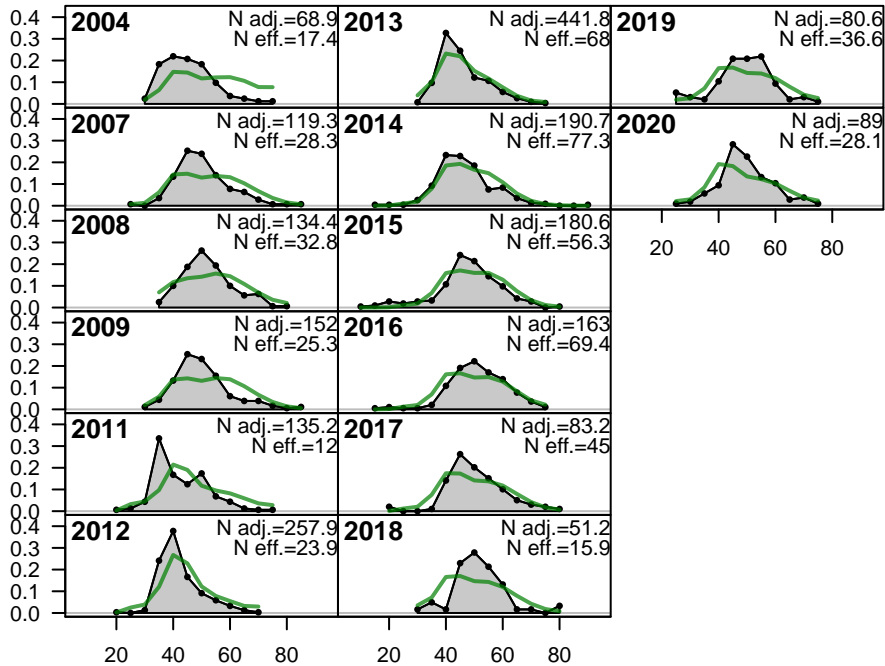
FISHERY (whole catch)





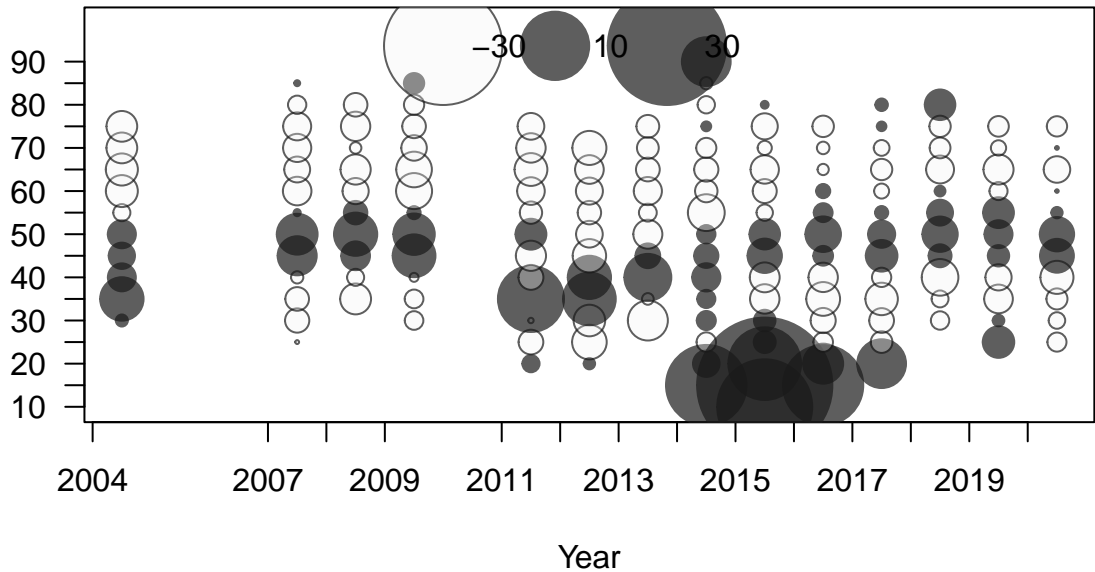


Proportion

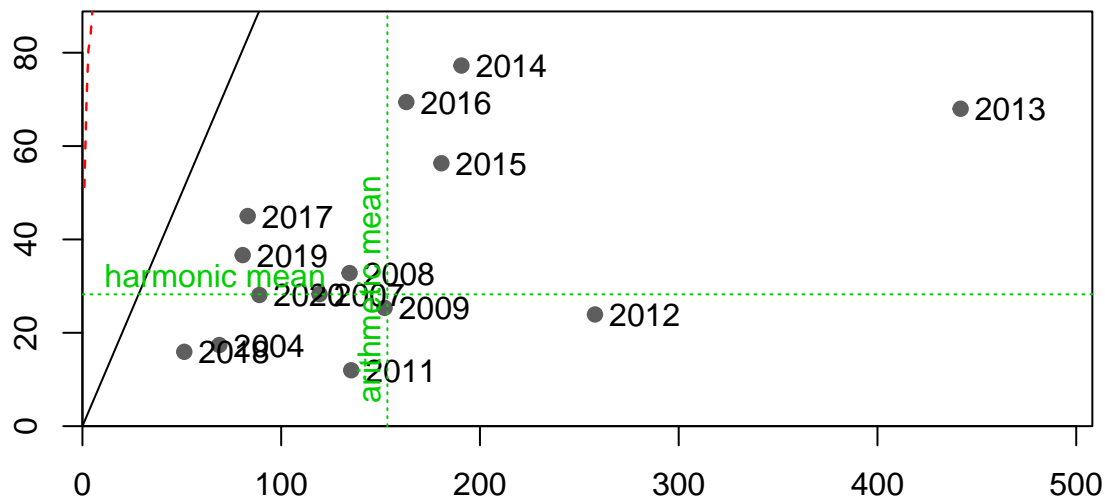


Length (cm)

Length (cm)



Effective sample size



Observed sample size

FISHERY (whole catch)

