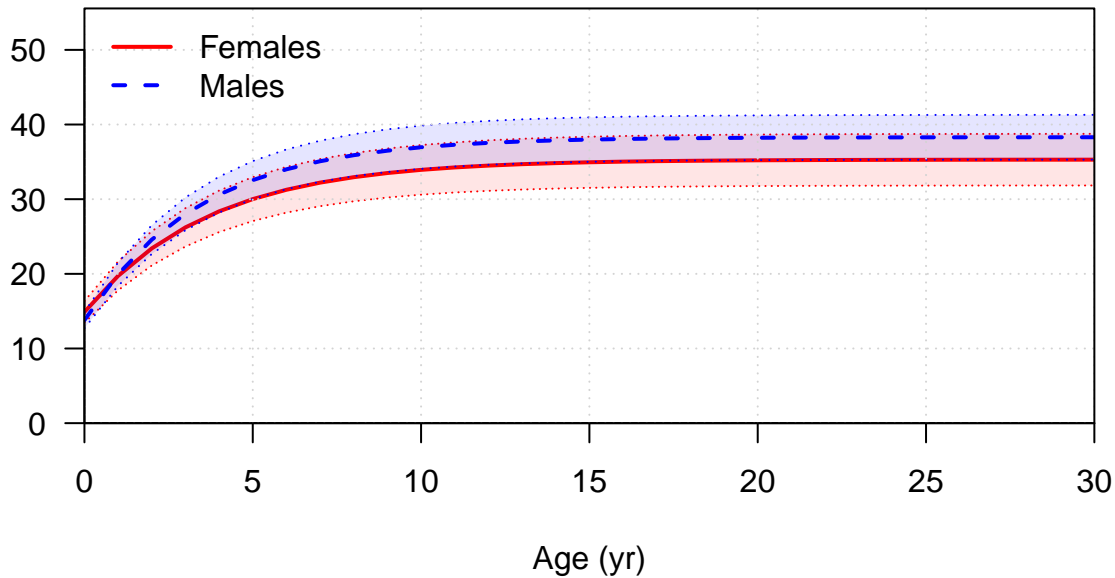
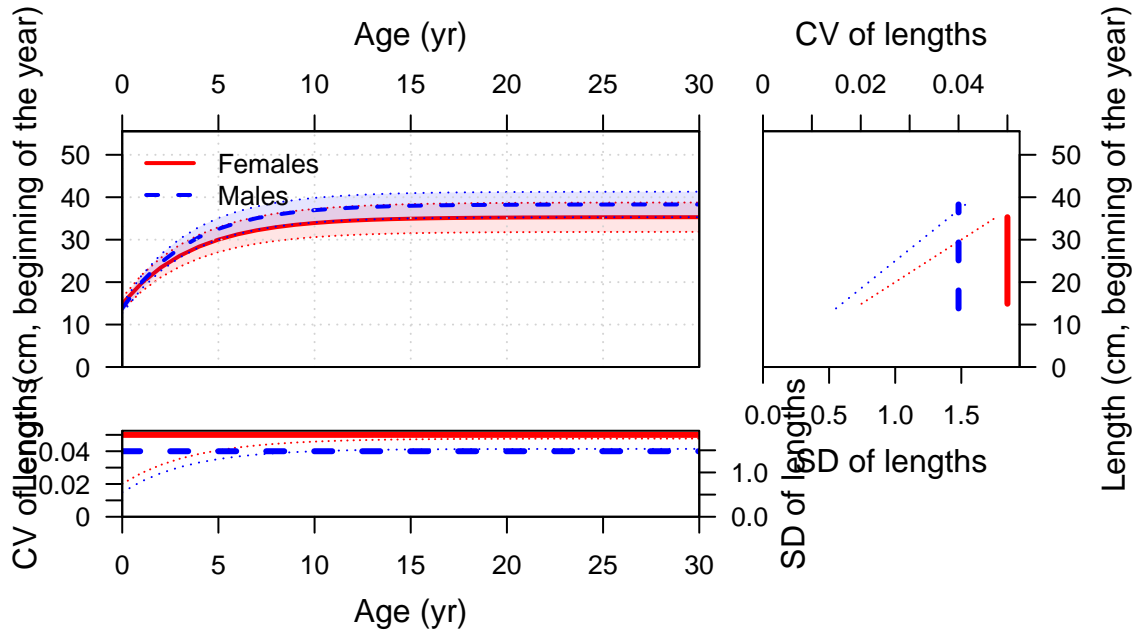
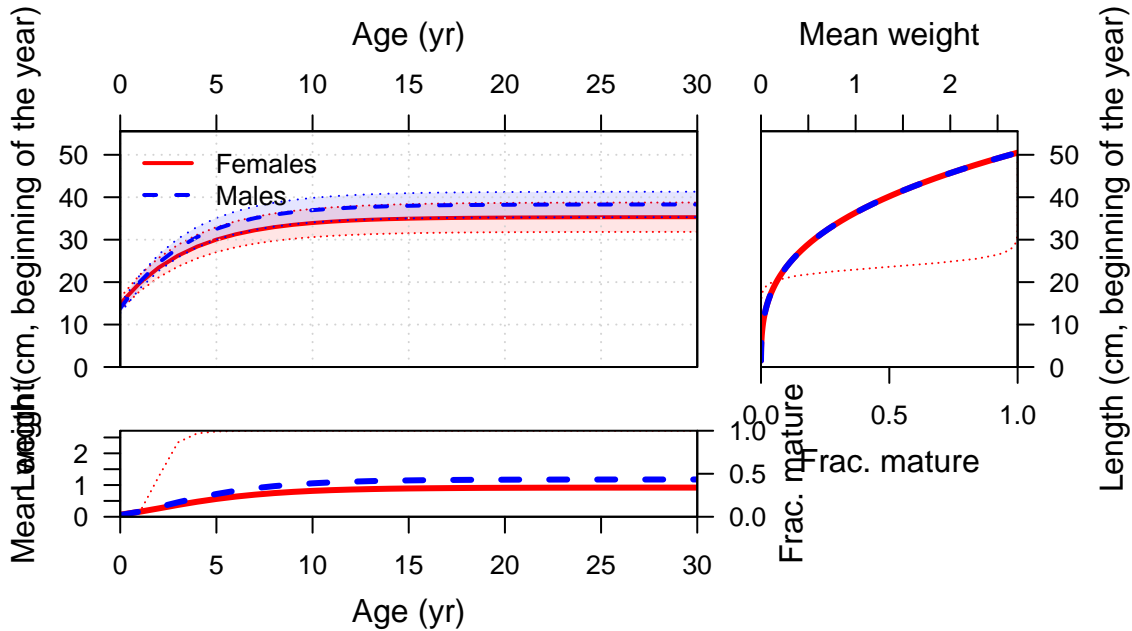


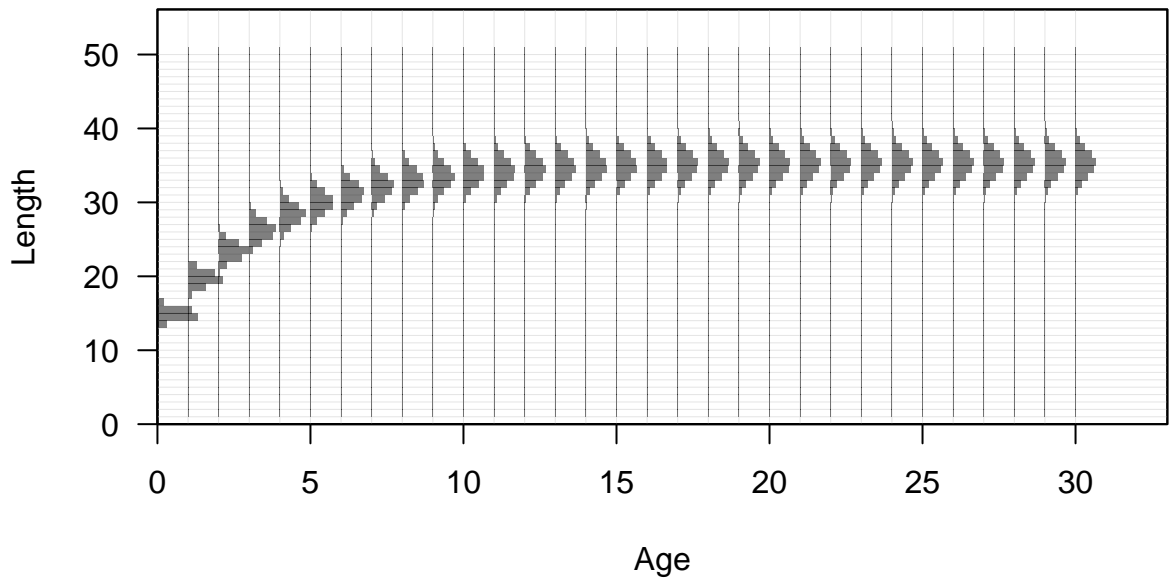
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Thu Jul 28 11:12:07 2022  
Data\_File: data.ss  
Control\_File: control.ss

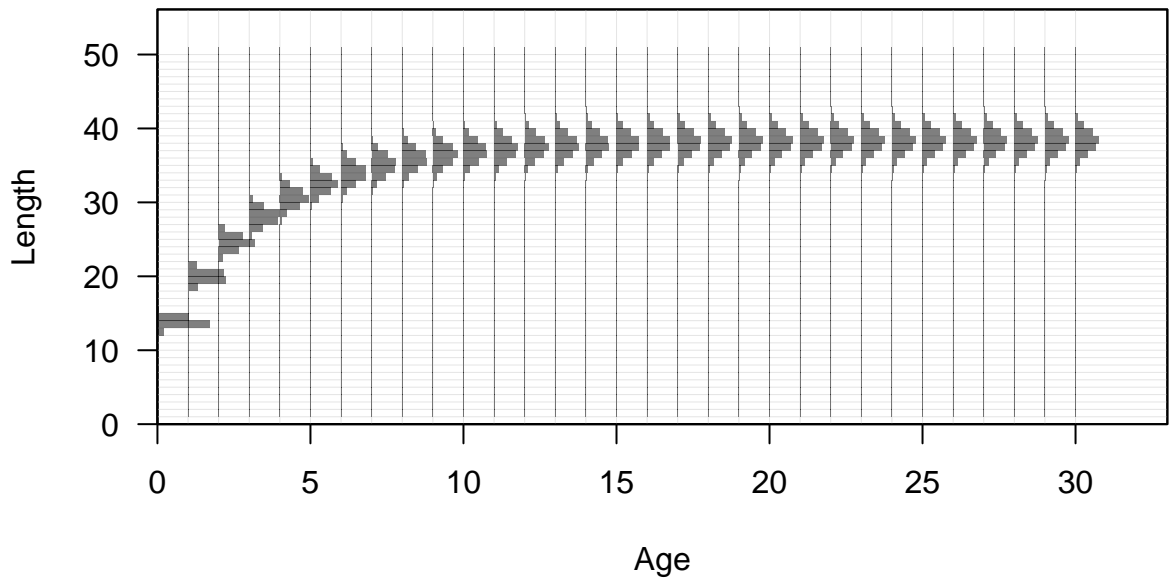
Length (cm, beginning of the year)

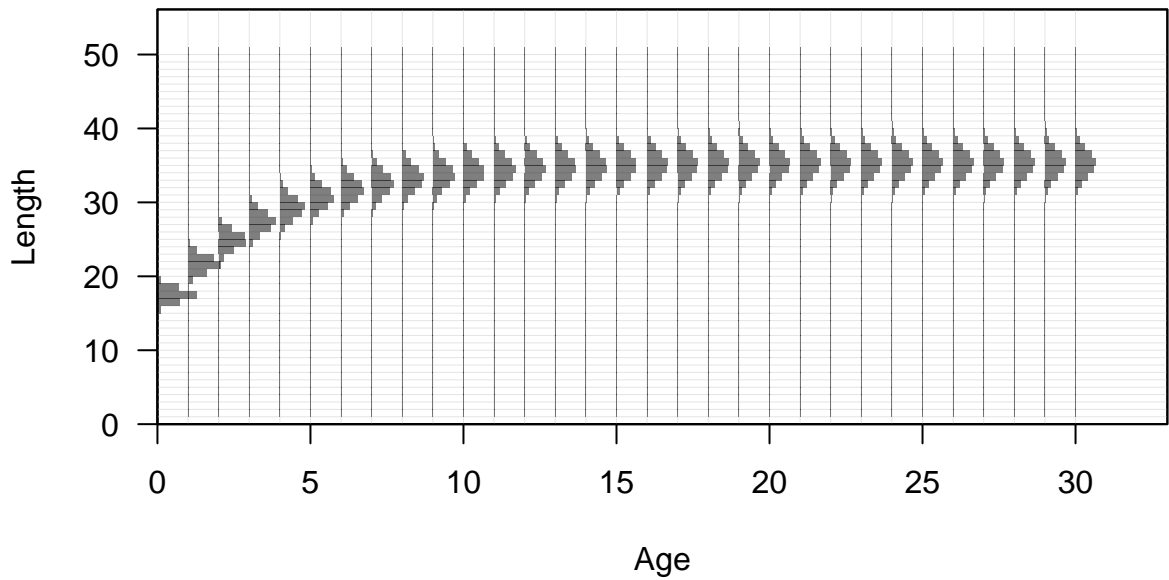


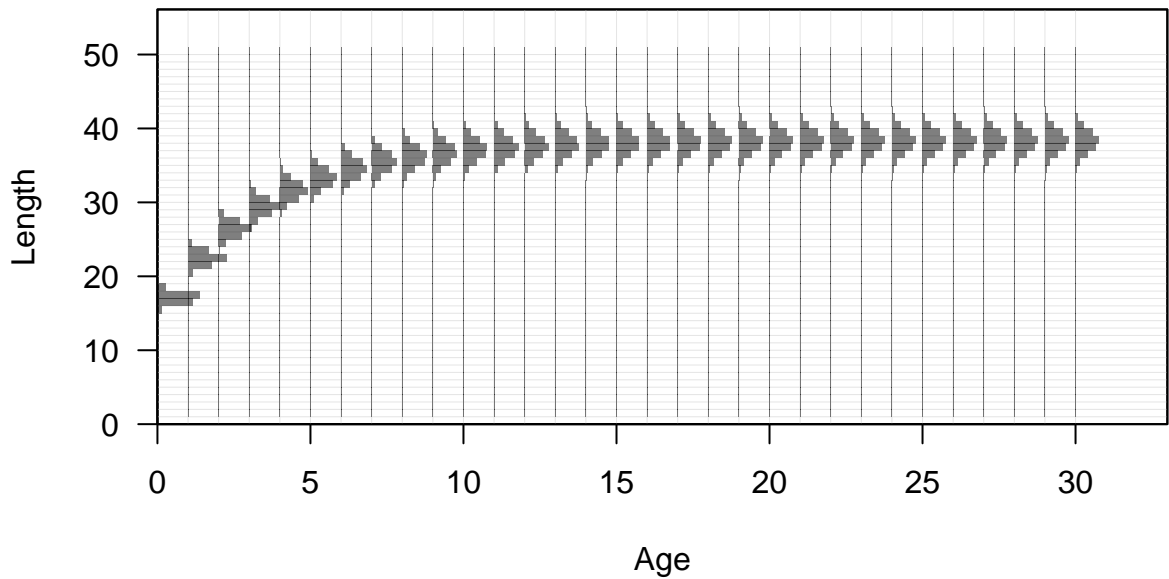




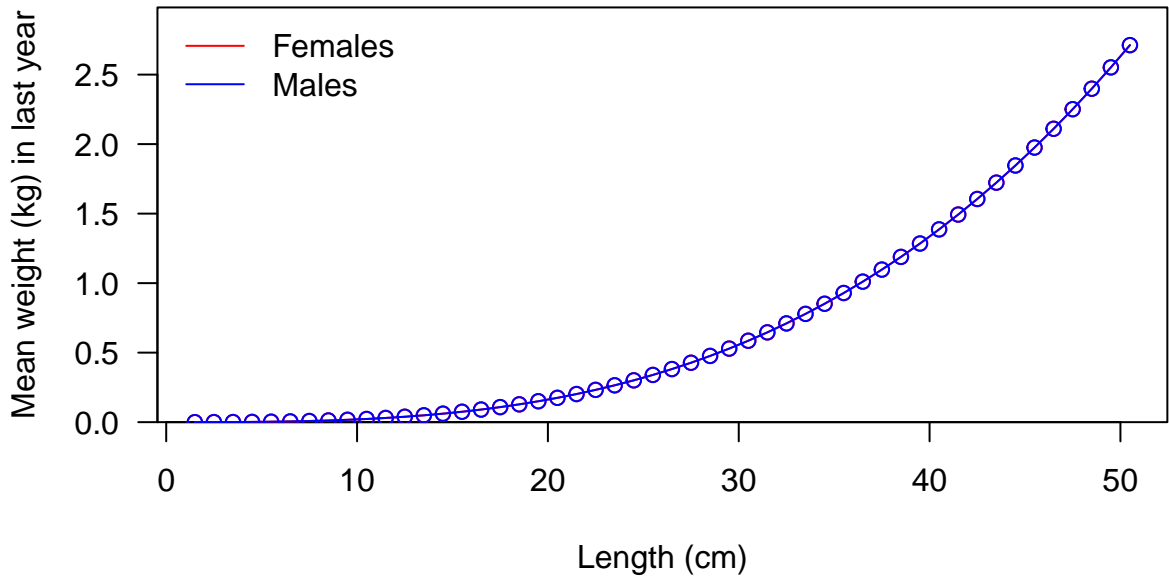


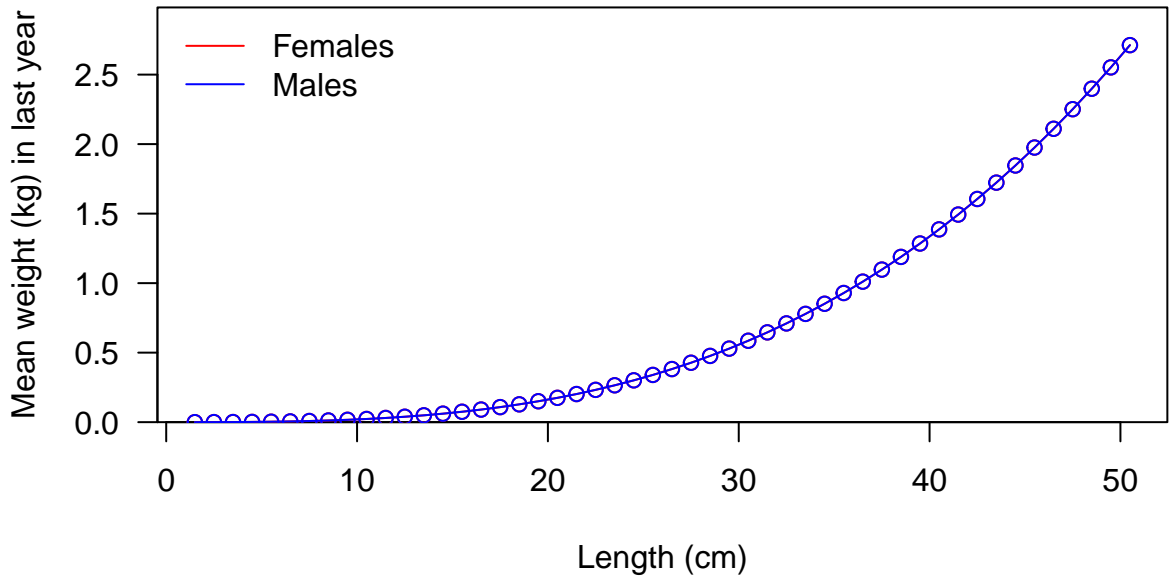


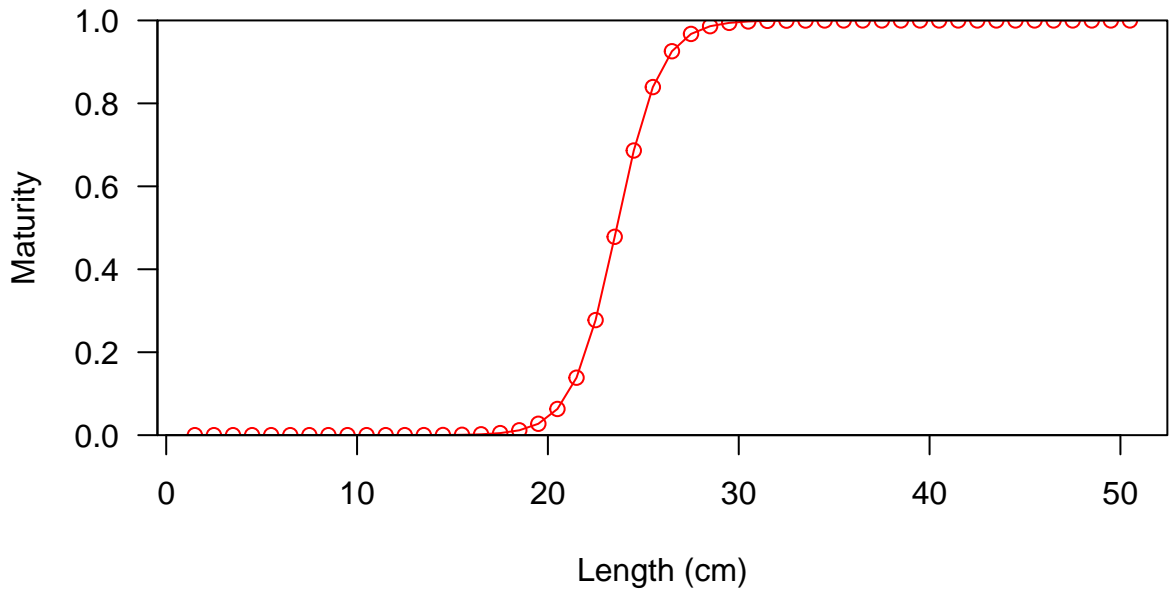


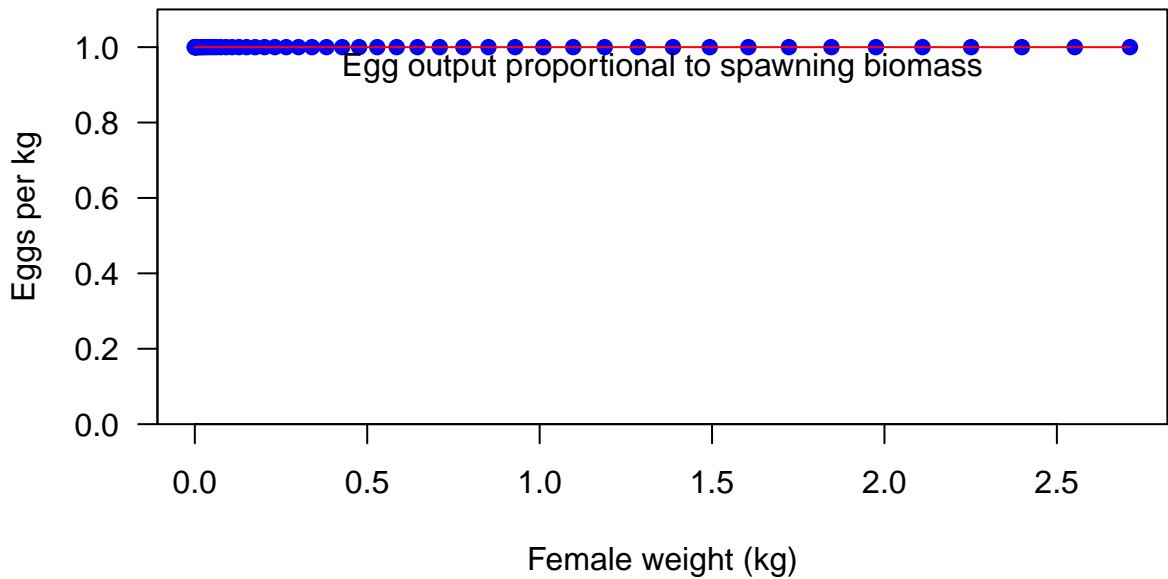


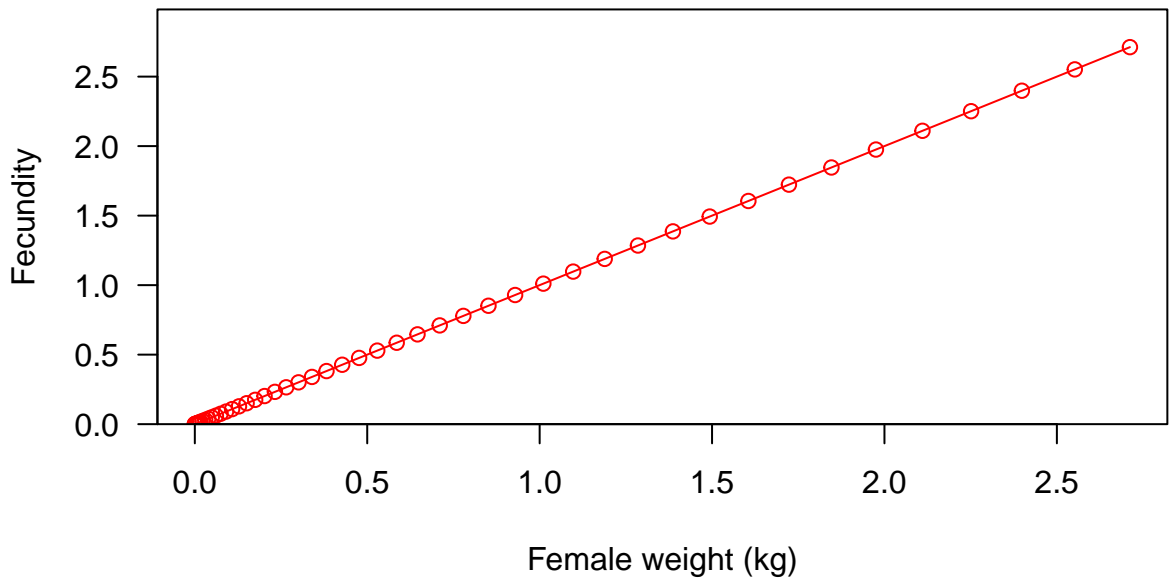


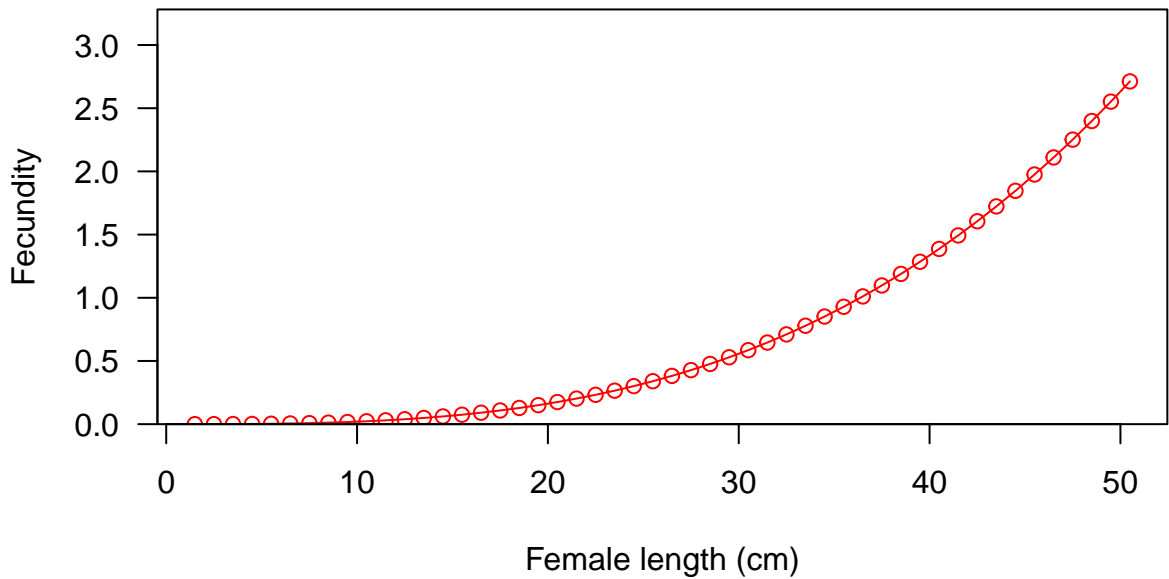


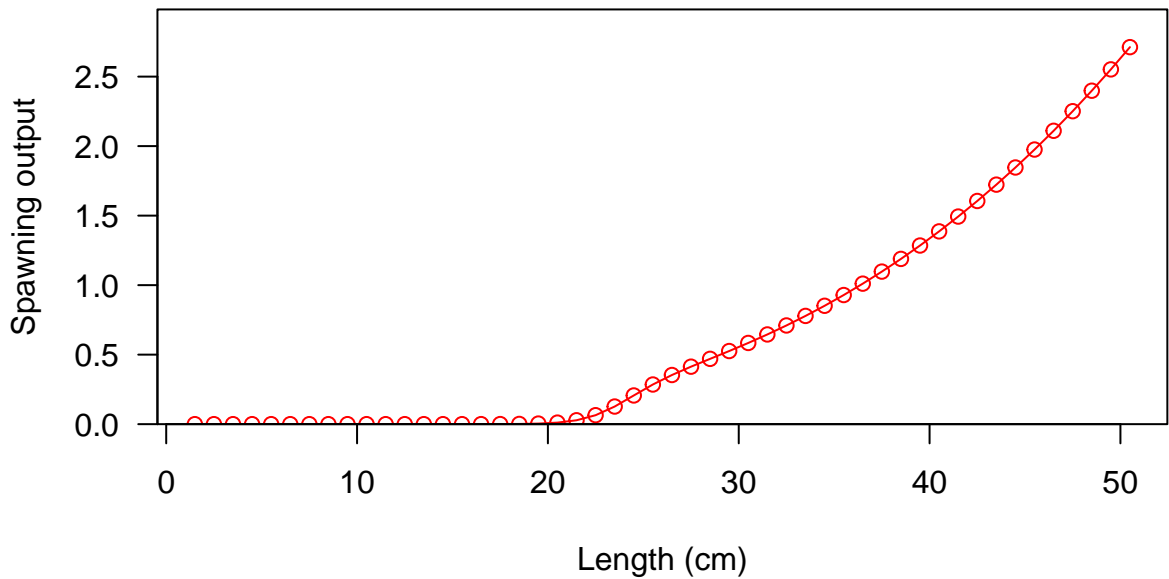


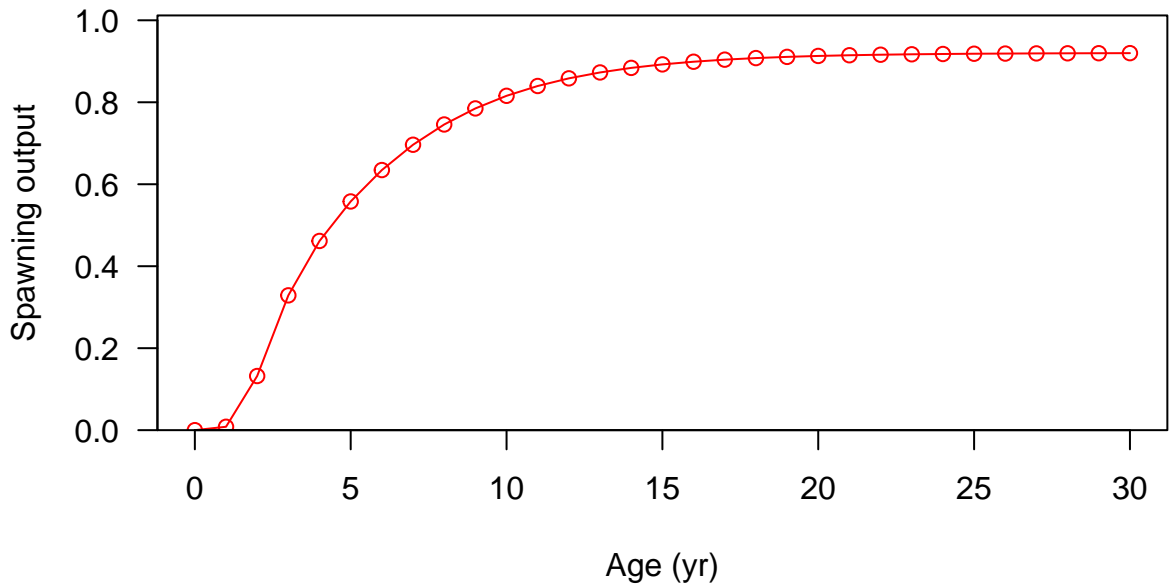






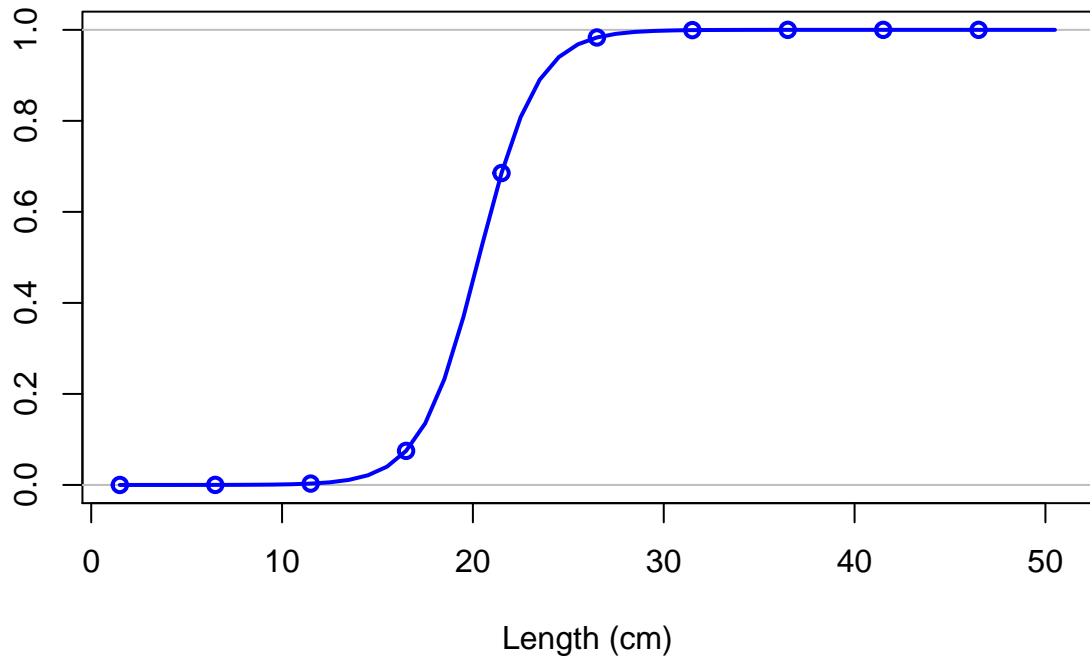




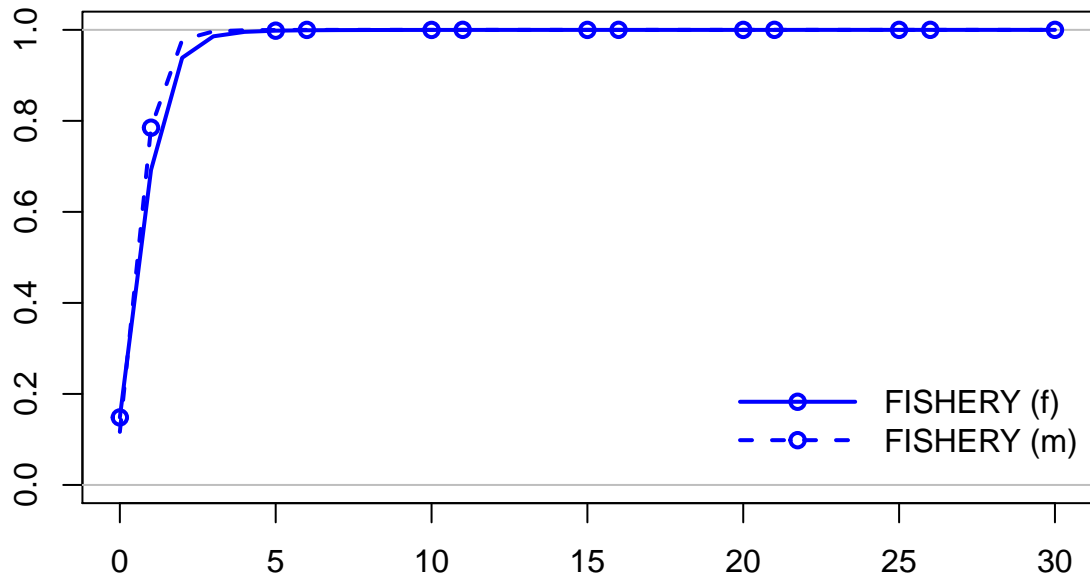




Selectivity



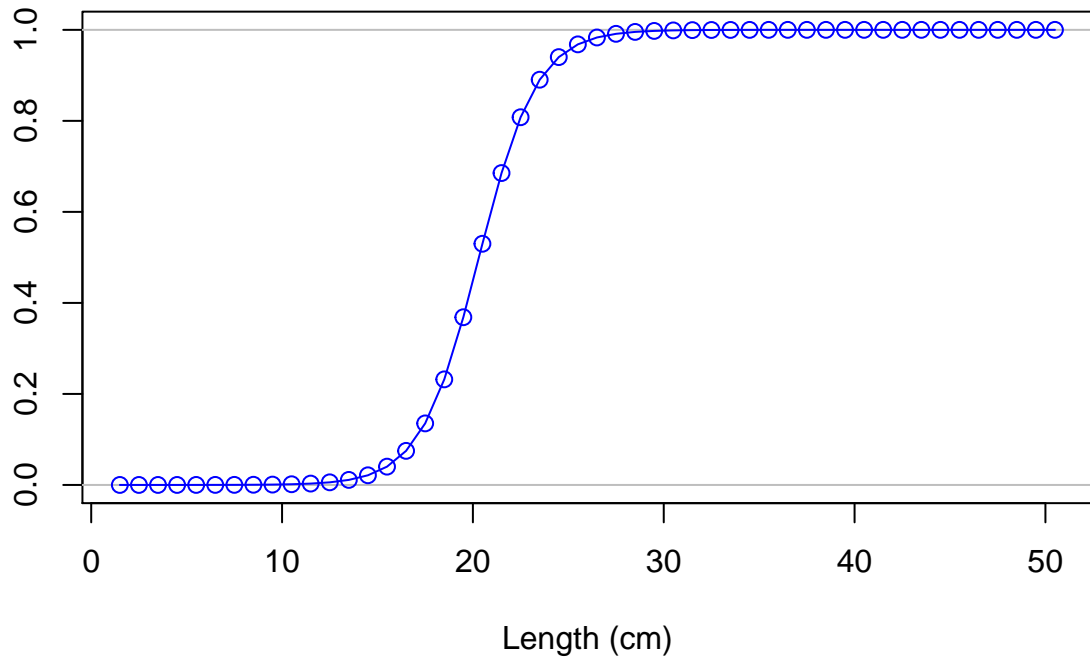
Selectivity



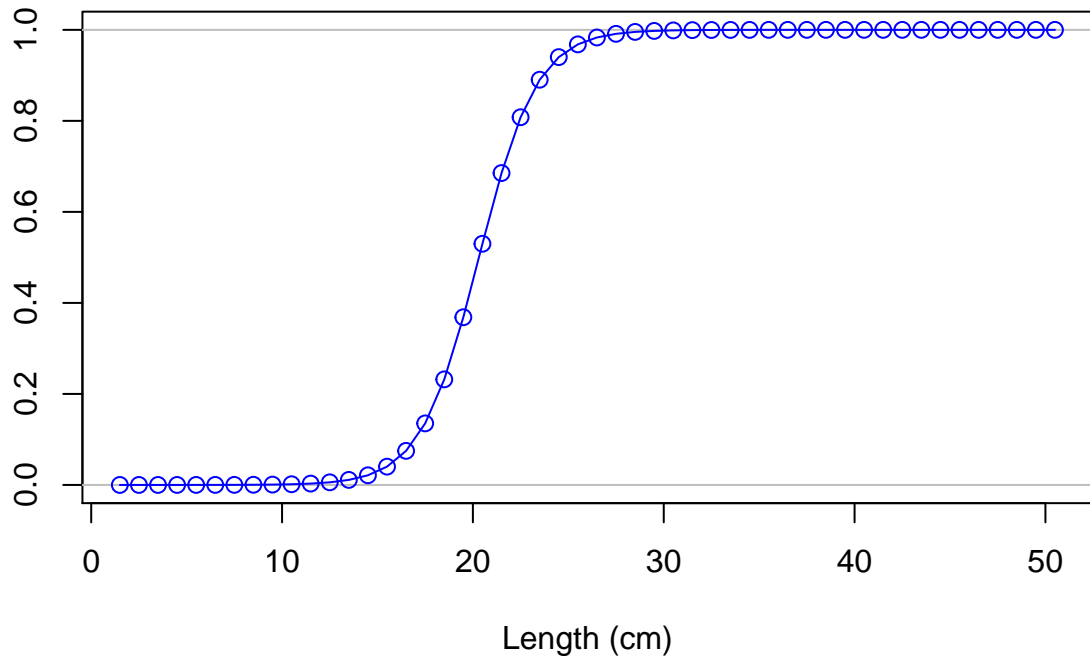
Age (yr)

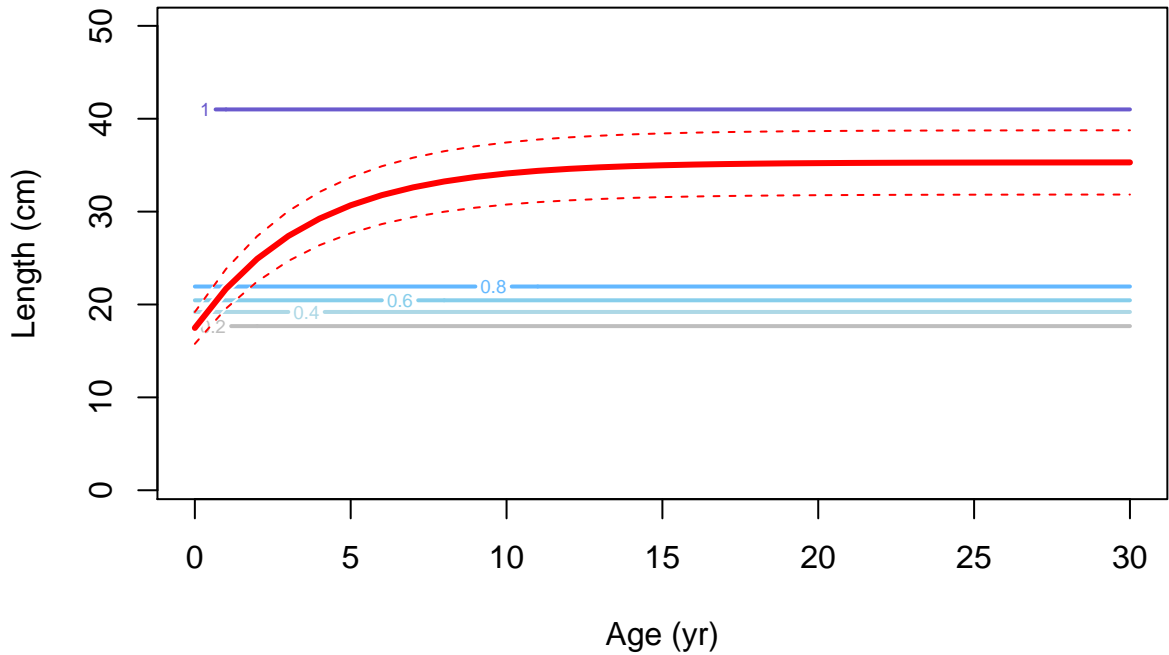
FISHERY (f)  
FISHERY (m)

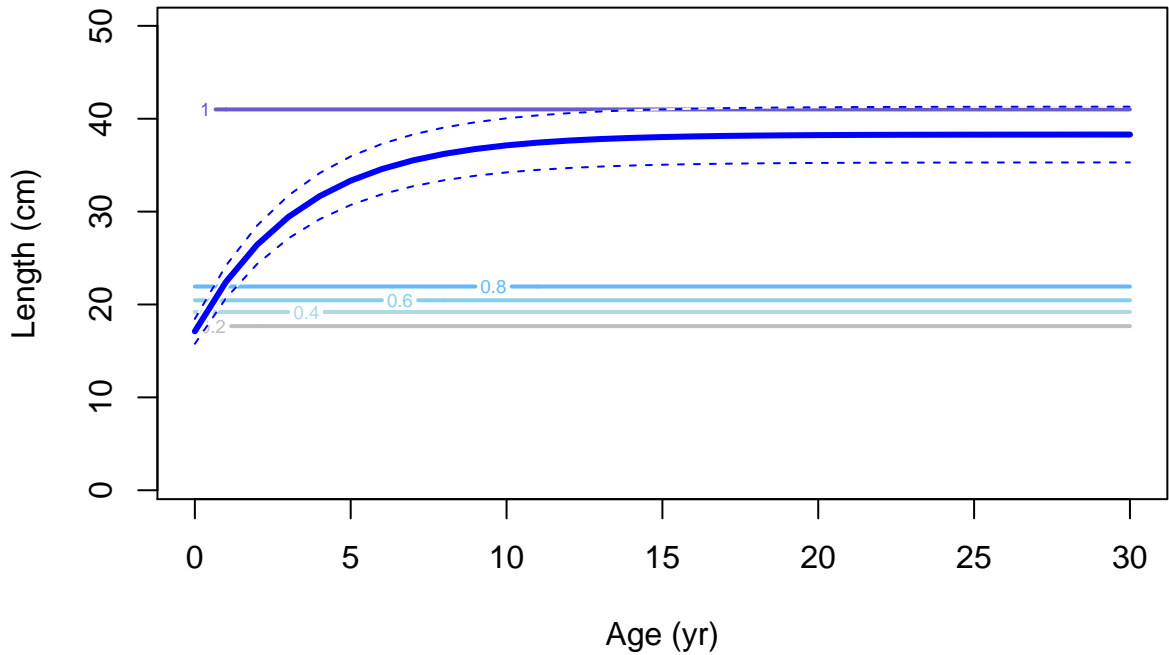
Selectivity

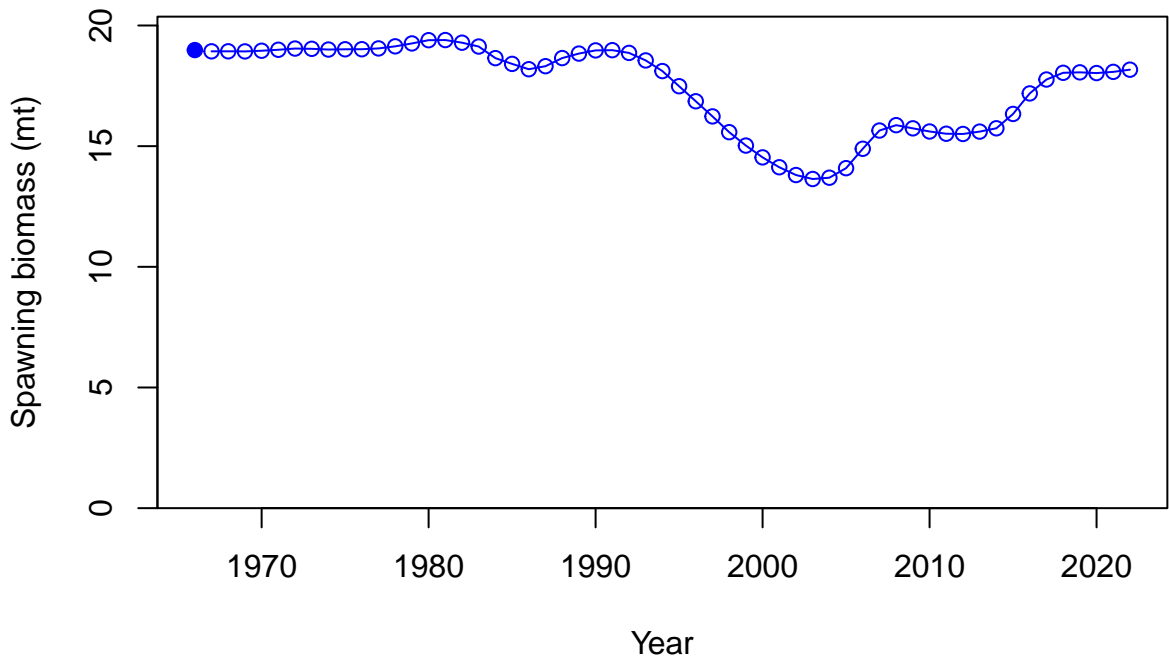


Selectivity

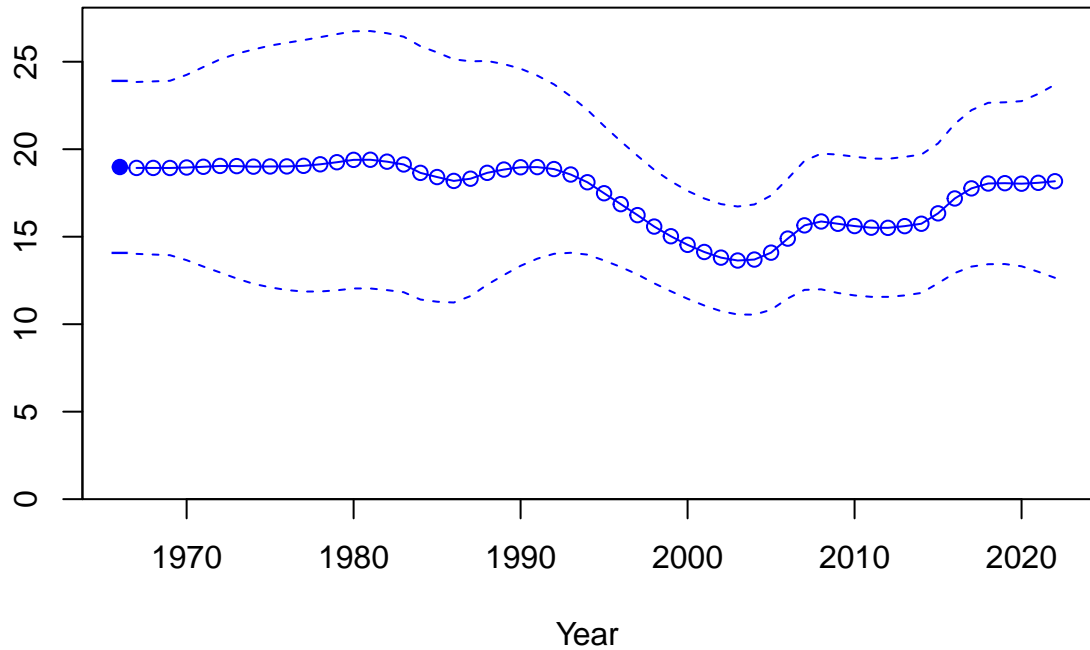






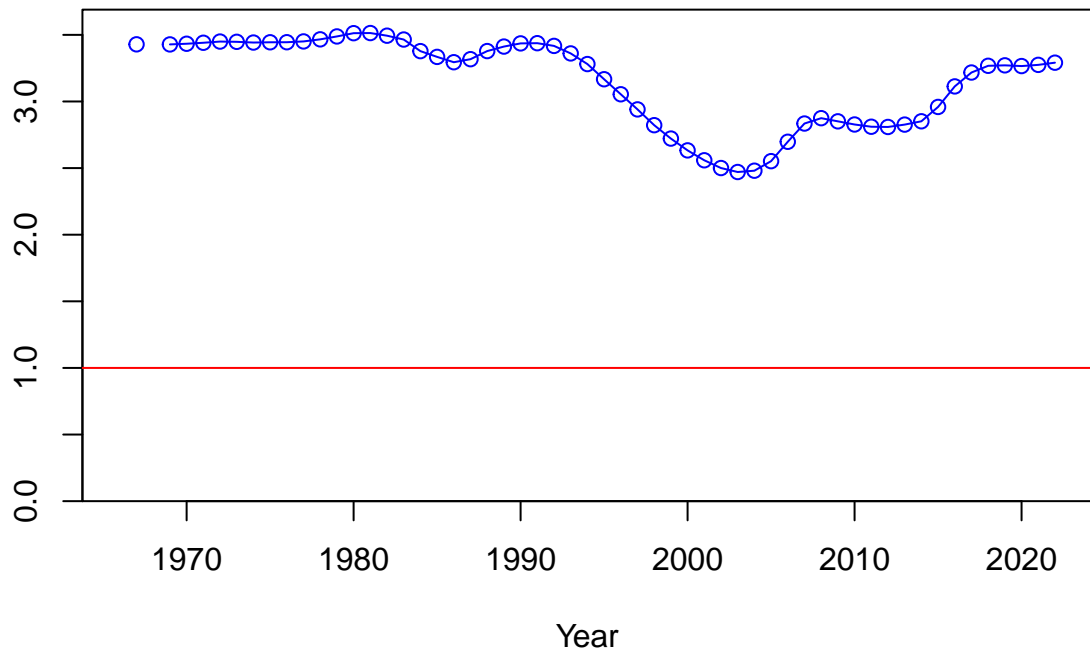


Spawning biomass (mt)

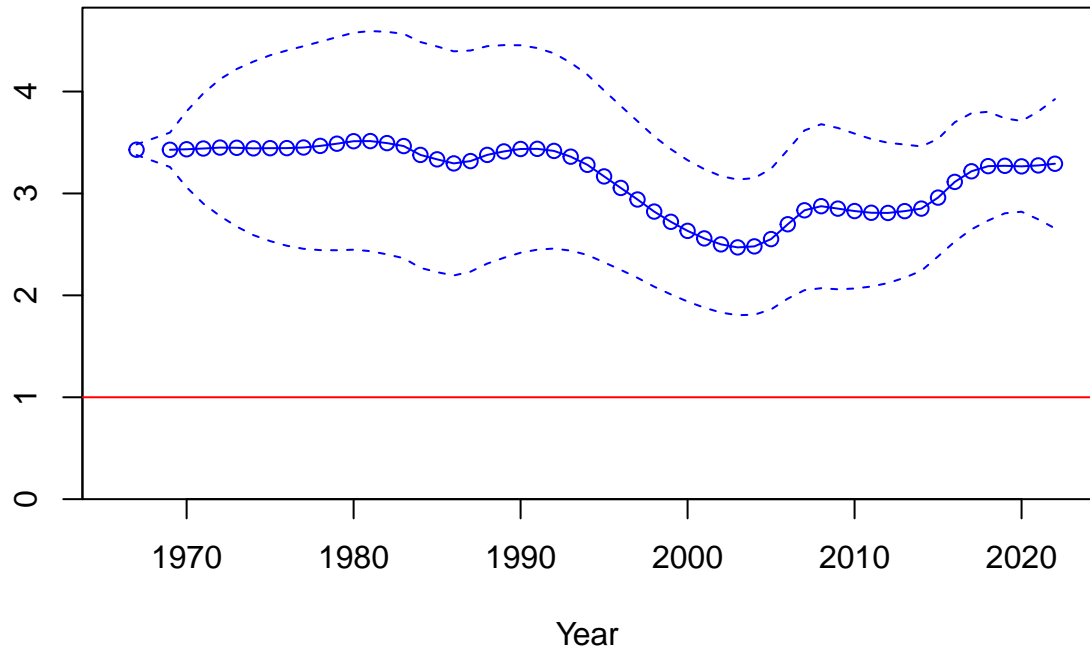


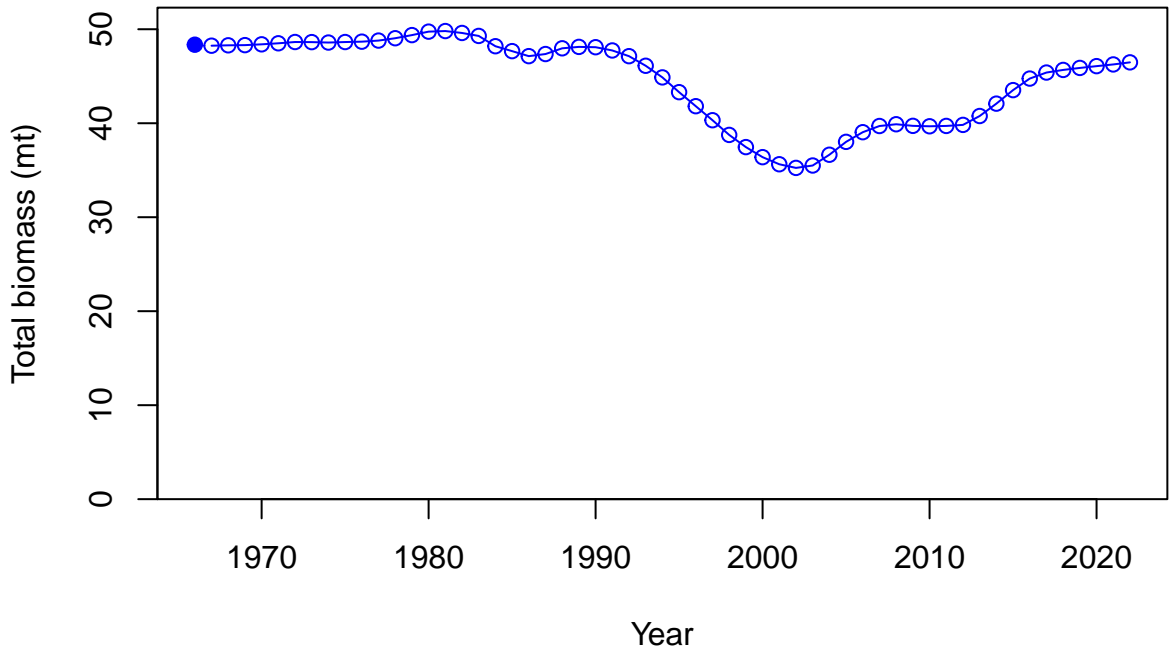


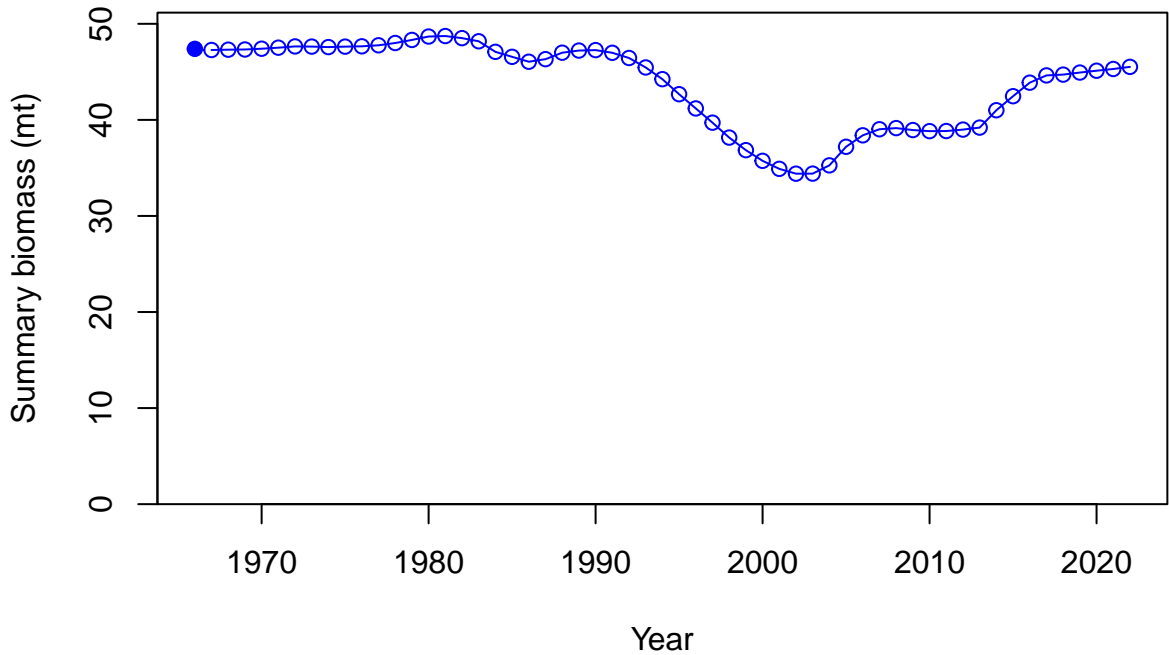
Relative spawning biomass:  $B/B_{MSY}$



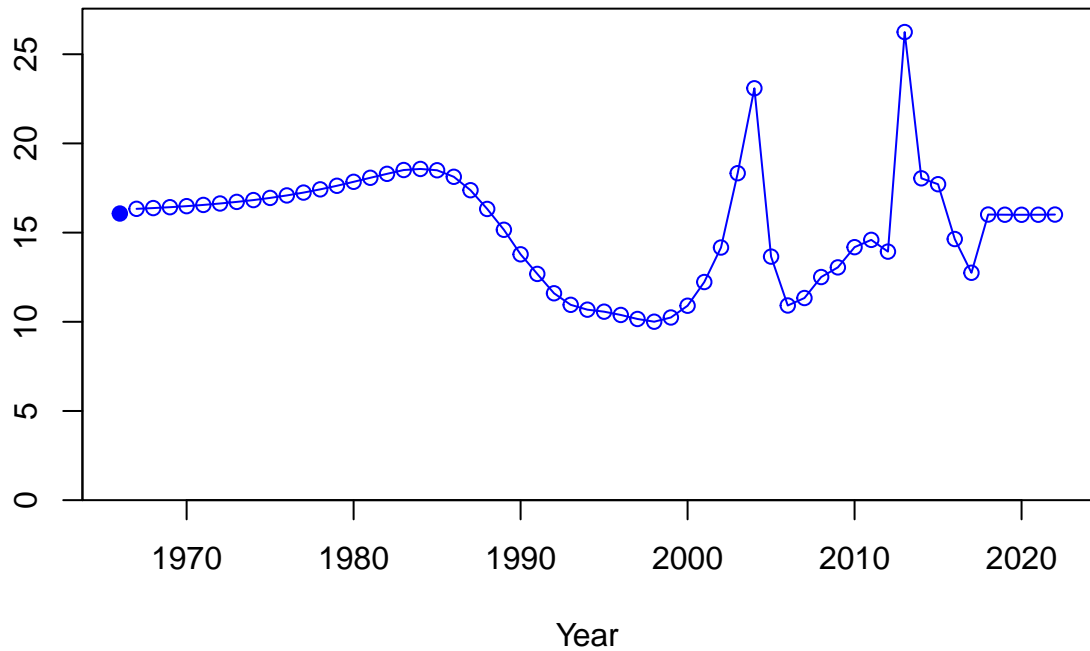
Relative spawning biomass:  $B/B_{MSY}$



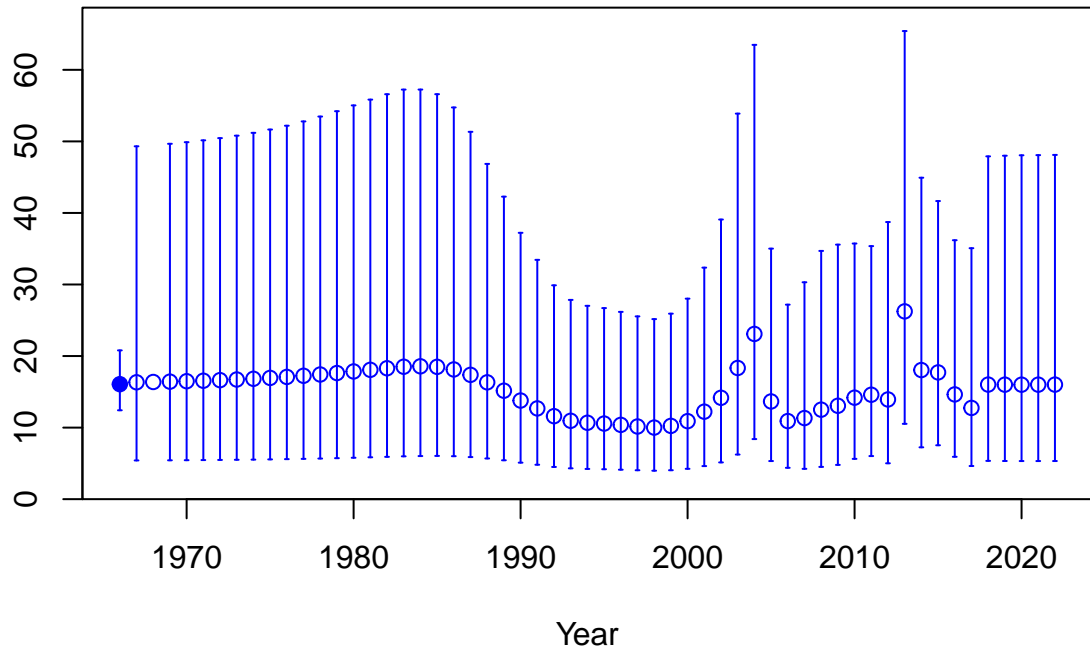




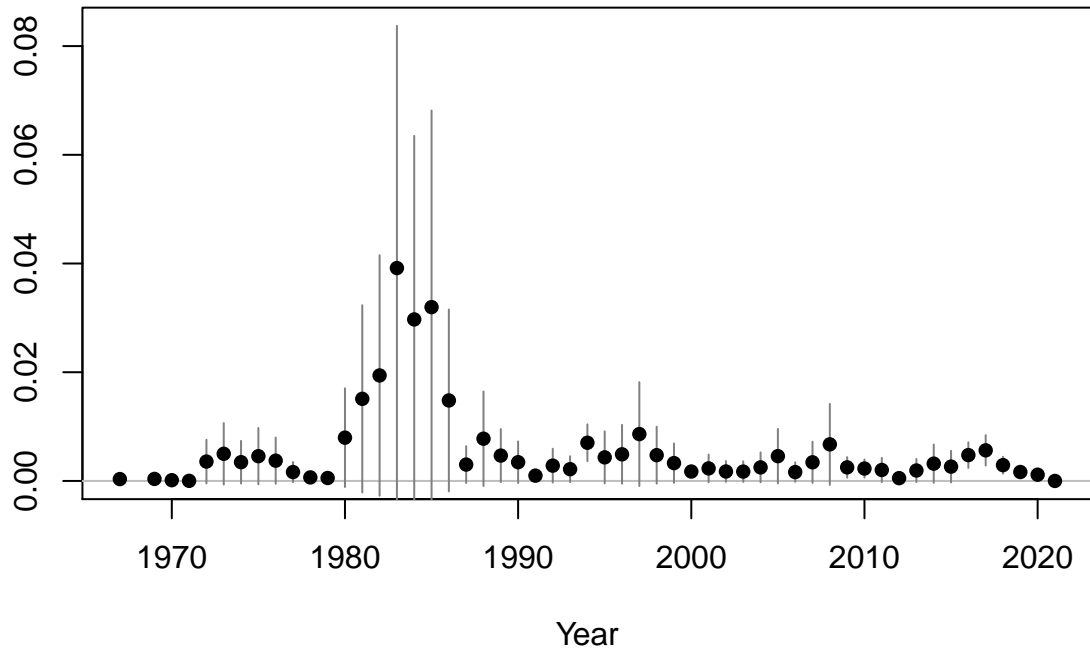
Age-0 recruits (1,000s)

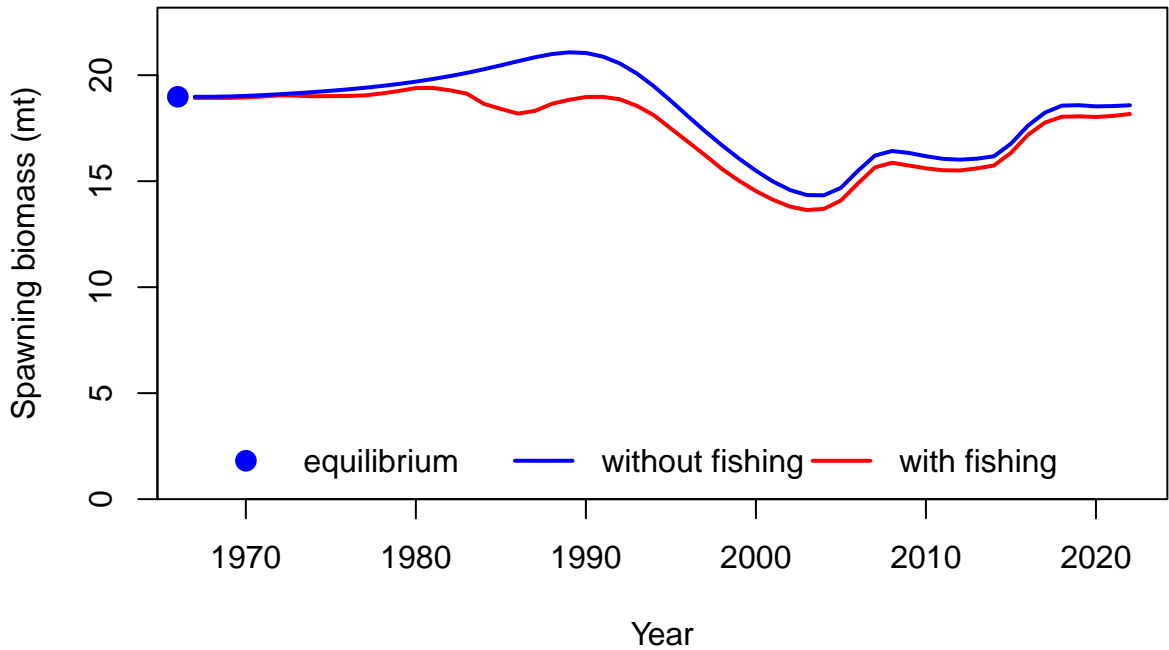


Age-0 recruits (1,000s)



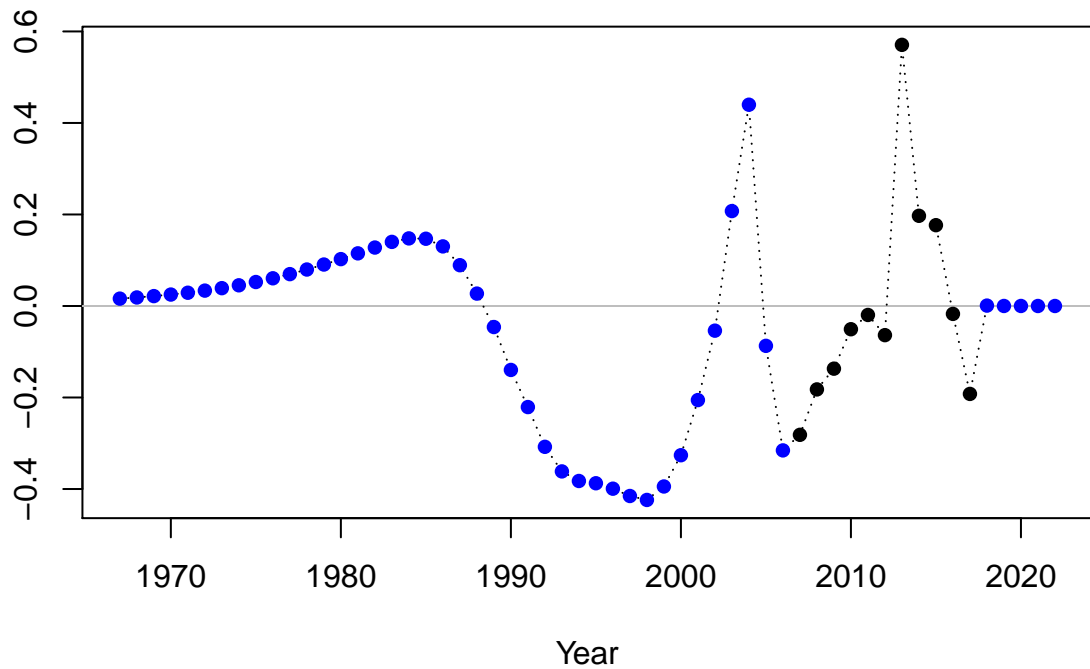
Summary Fishing Mortality



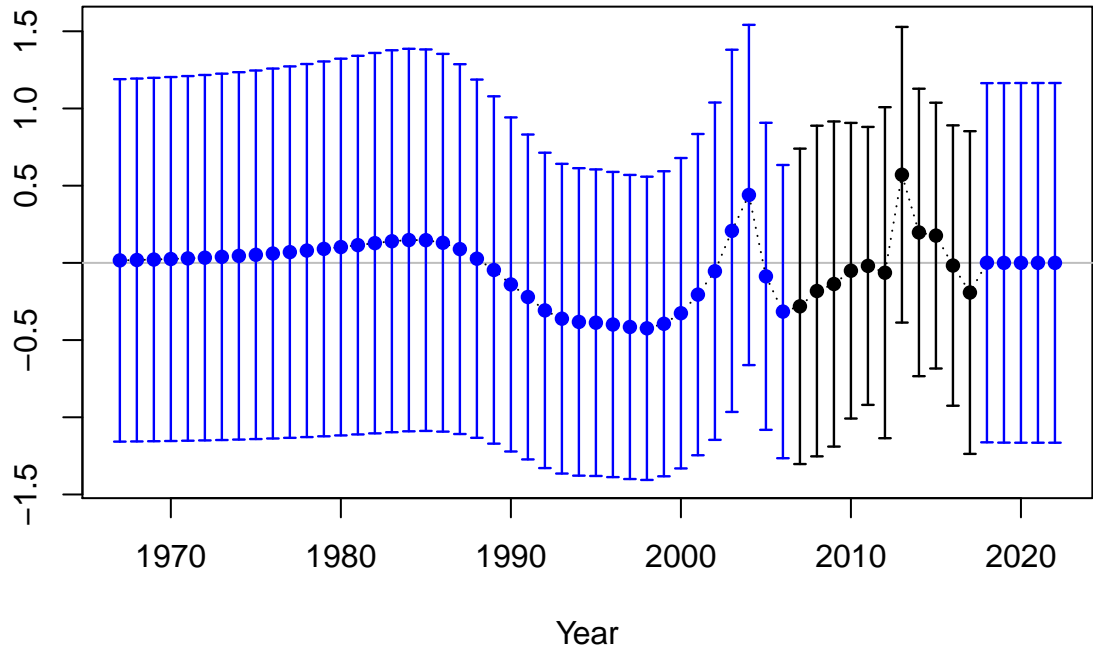




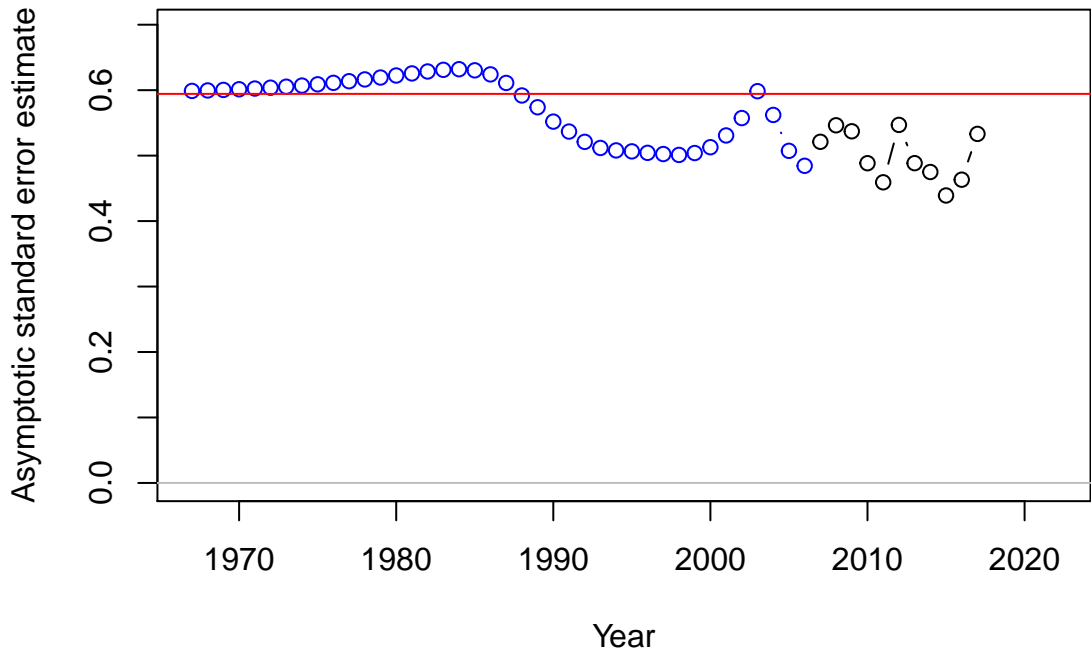
Log recruitment deviation

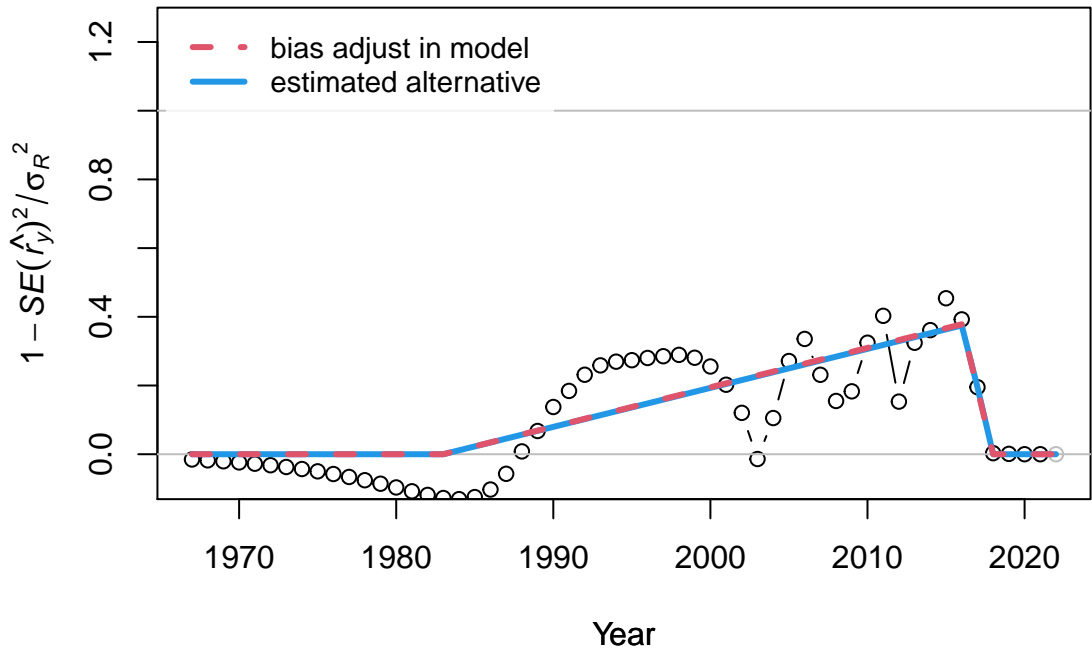


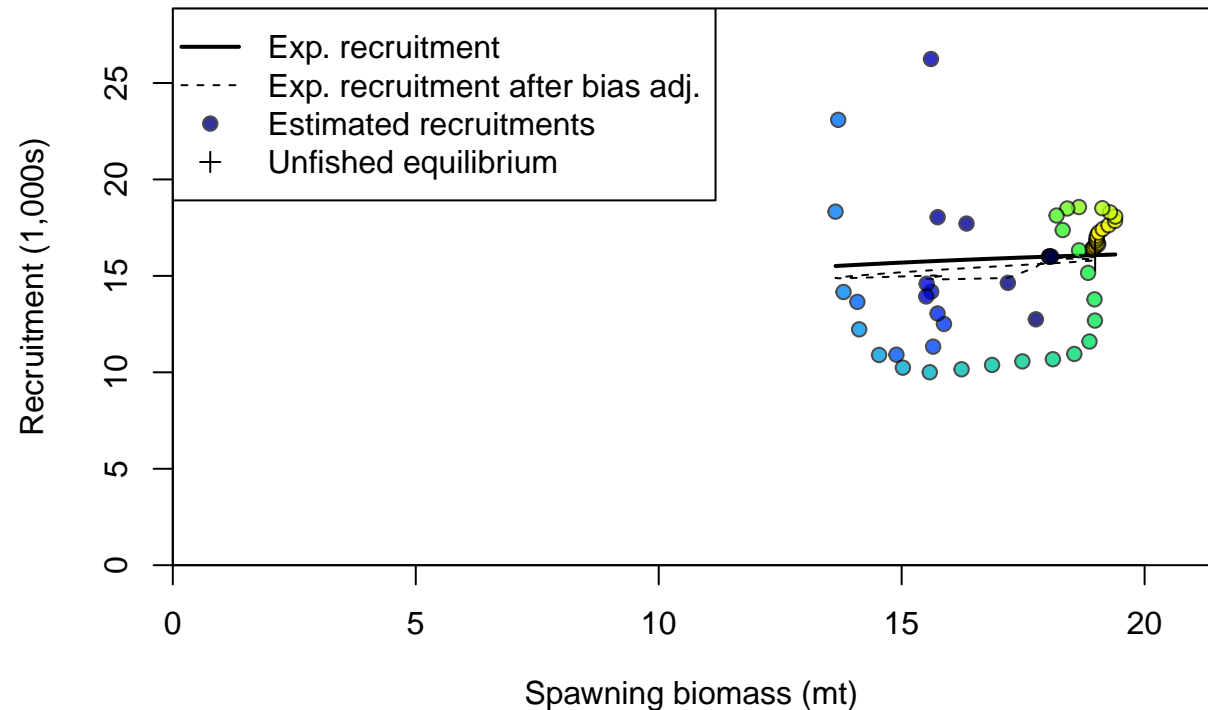
Log recruitment deviation

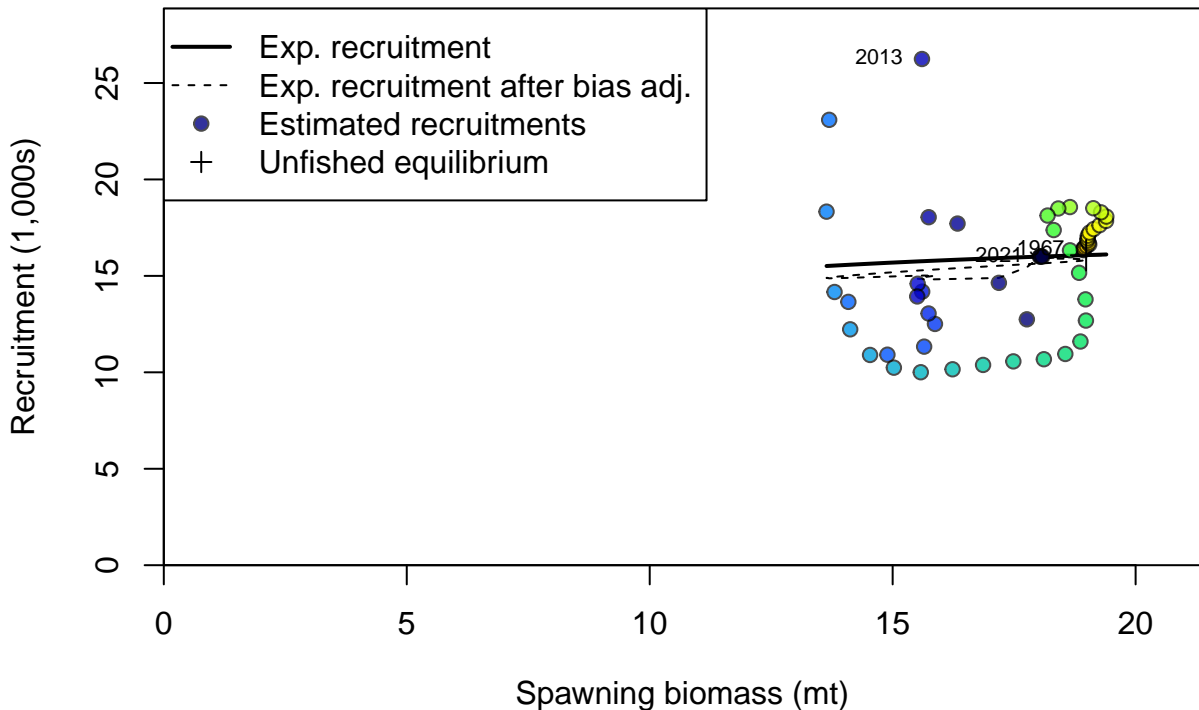


## Recruitment deviation variance

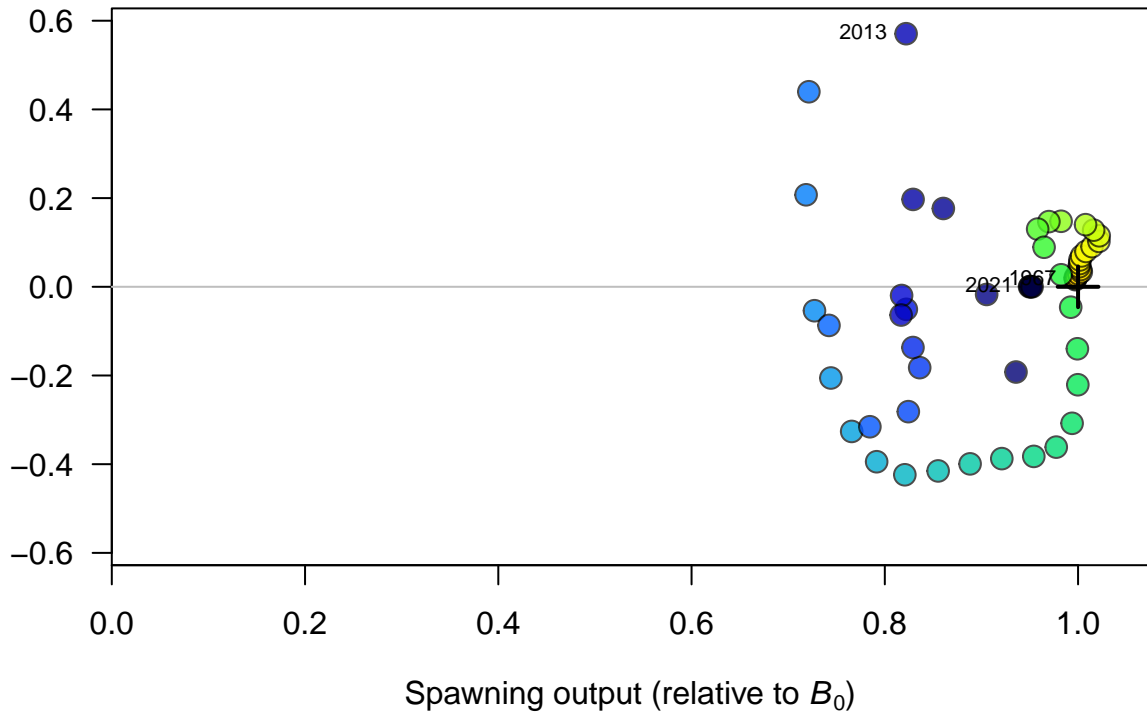


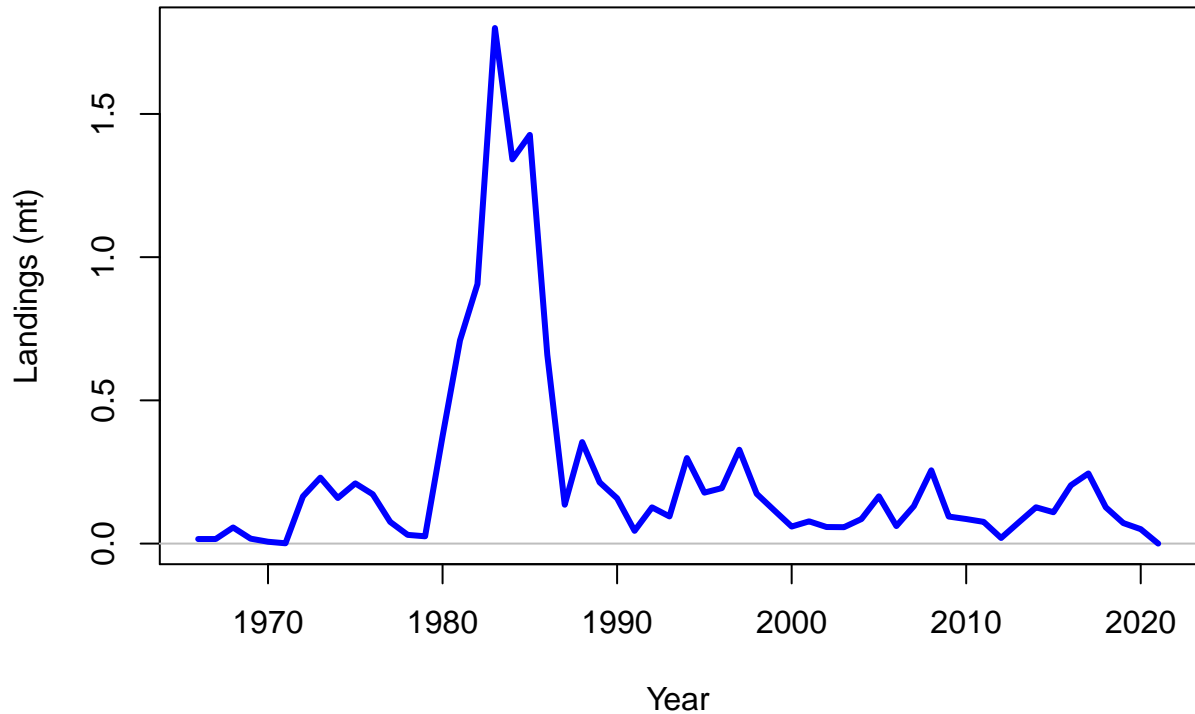




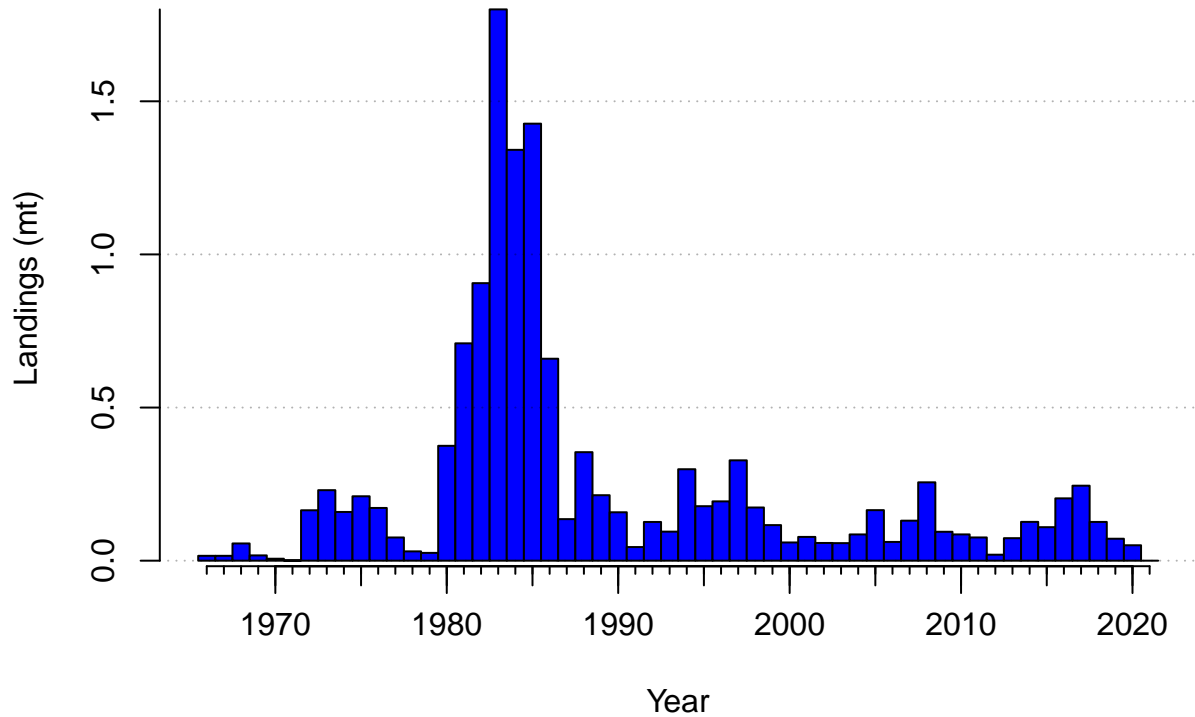


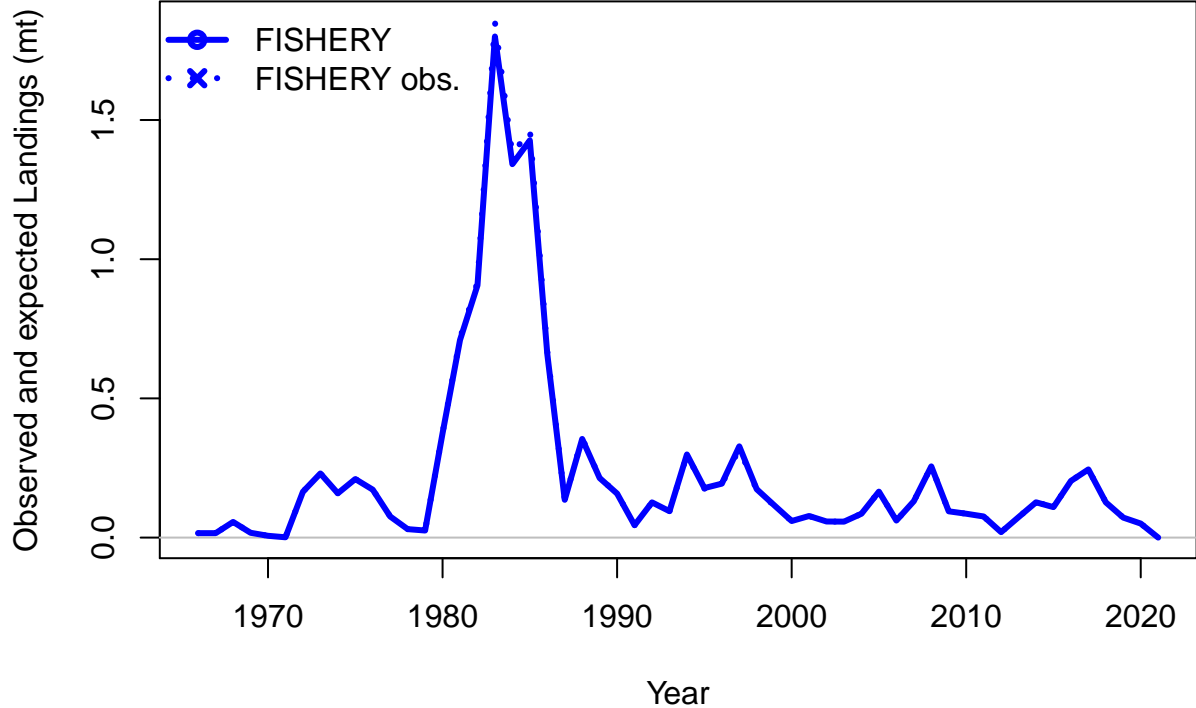
Log recruitment deviation

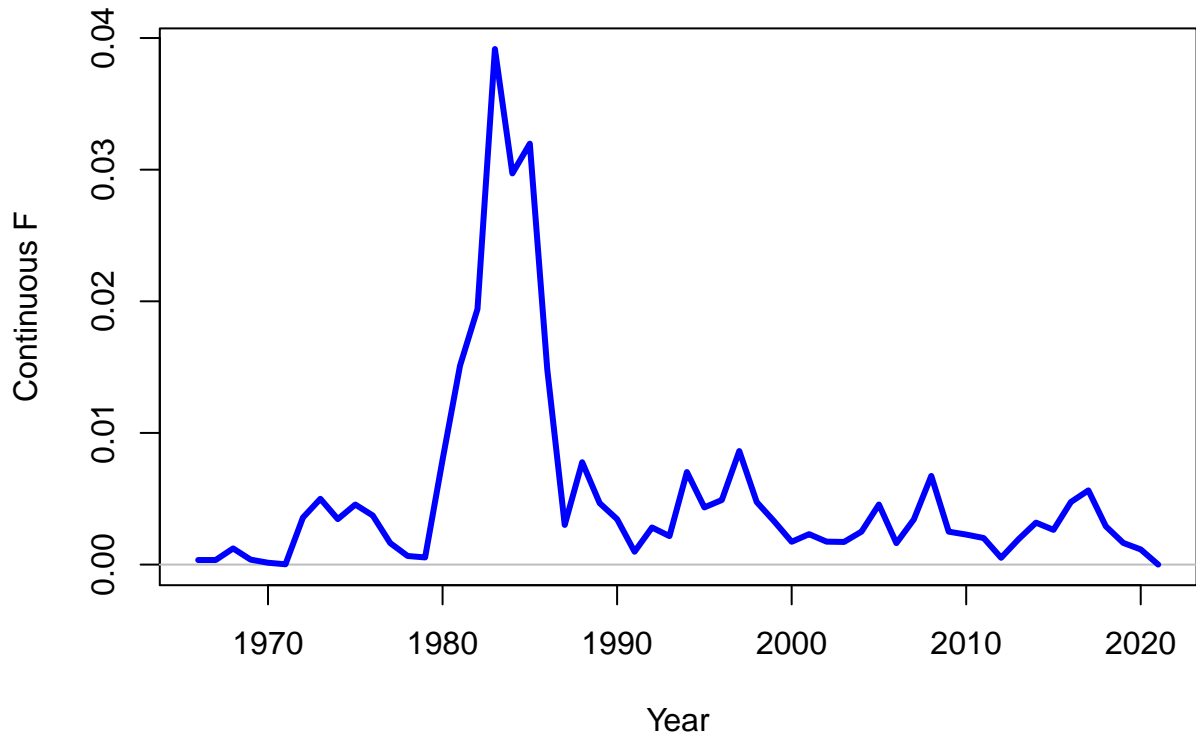




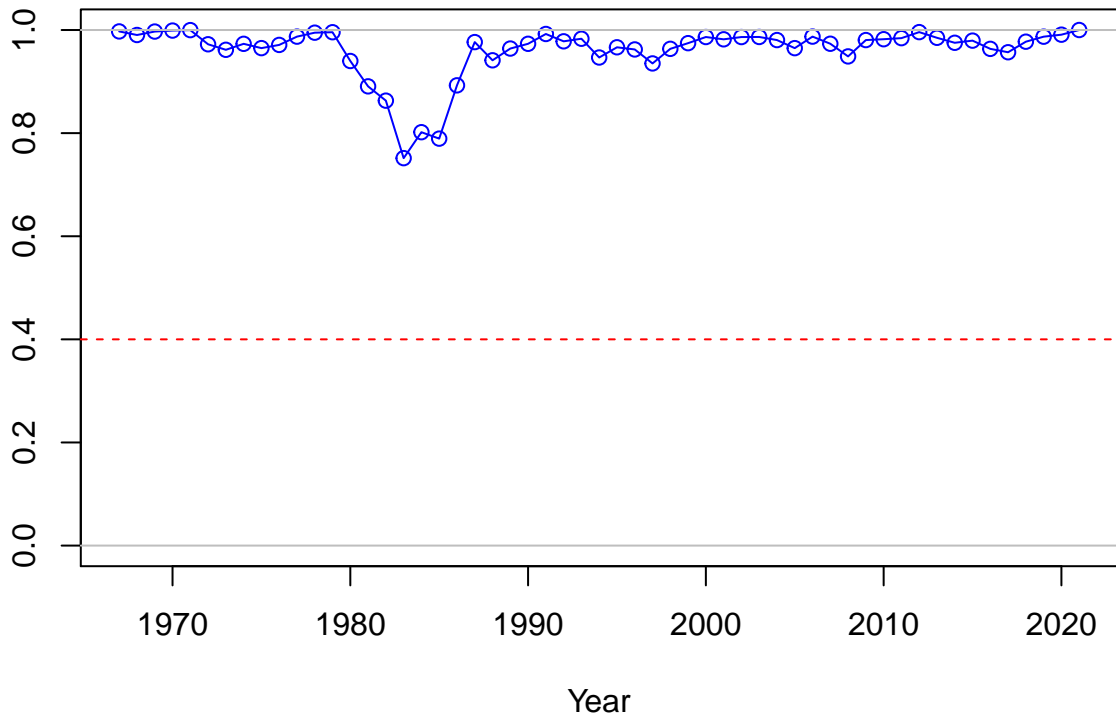




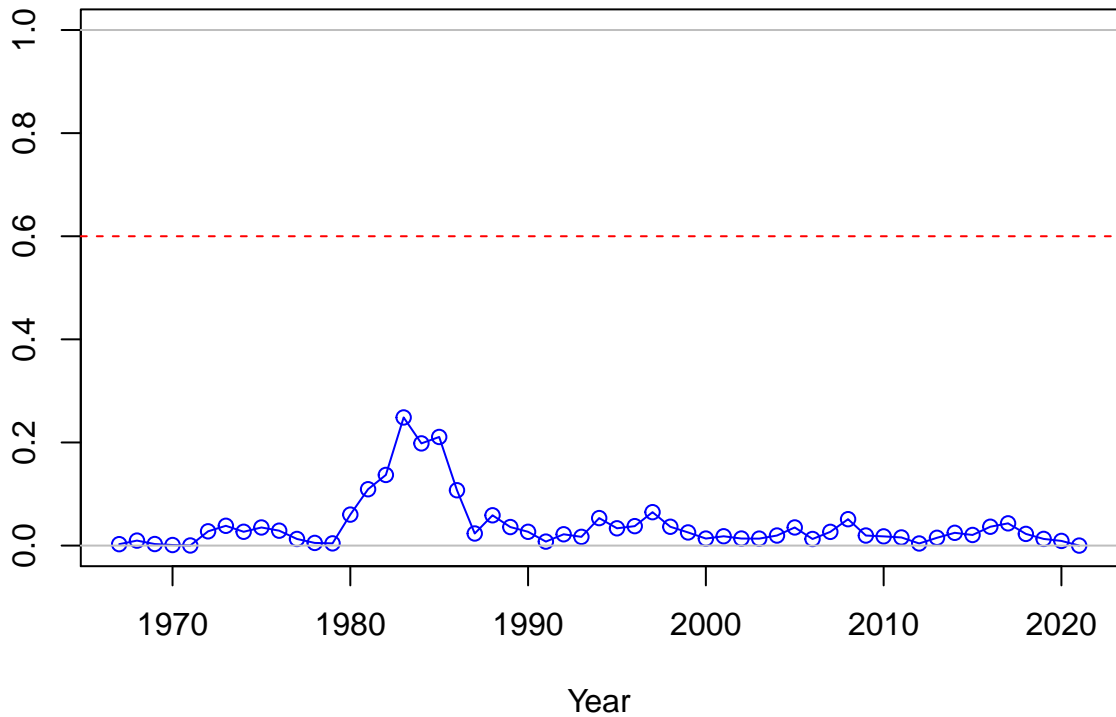




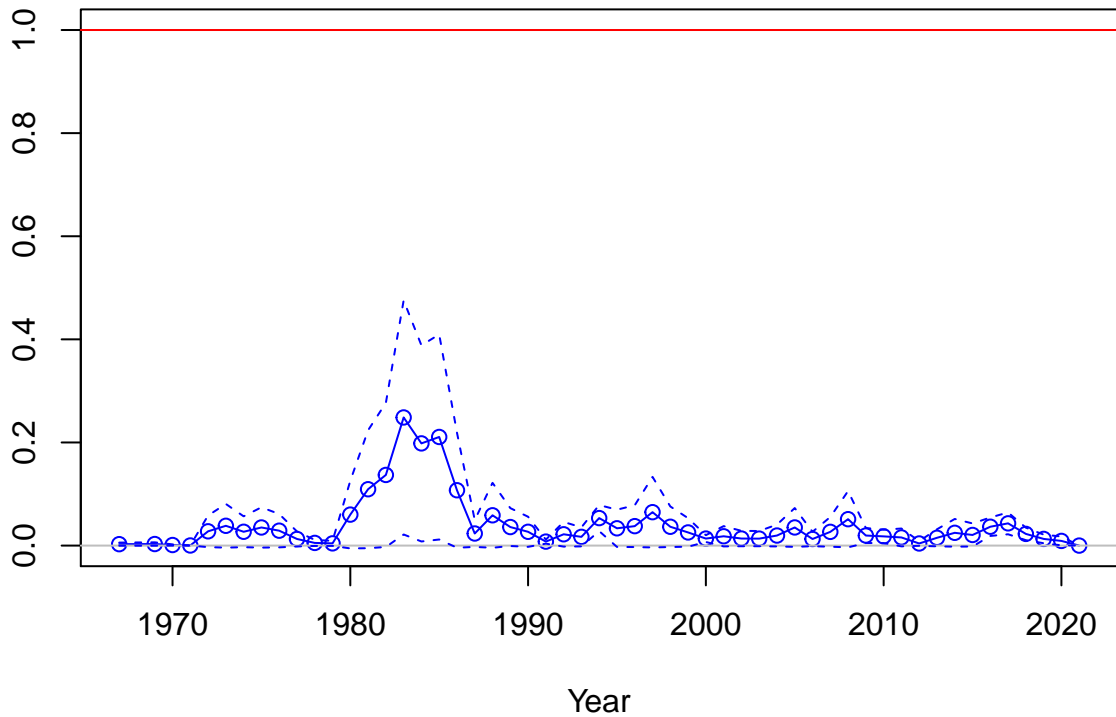
SPR



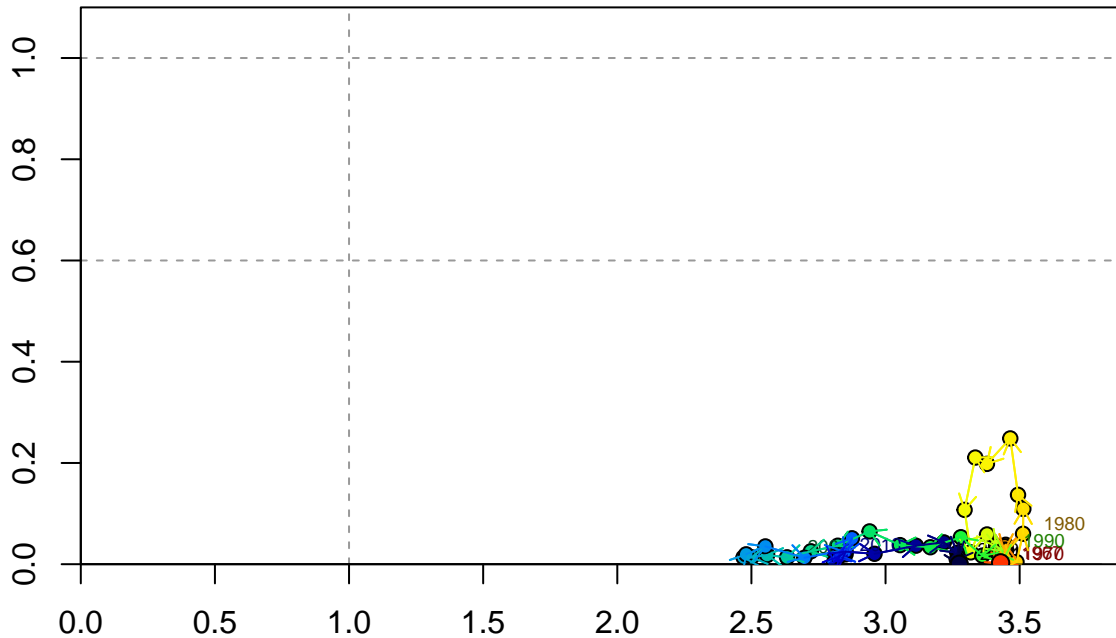
1-SPR



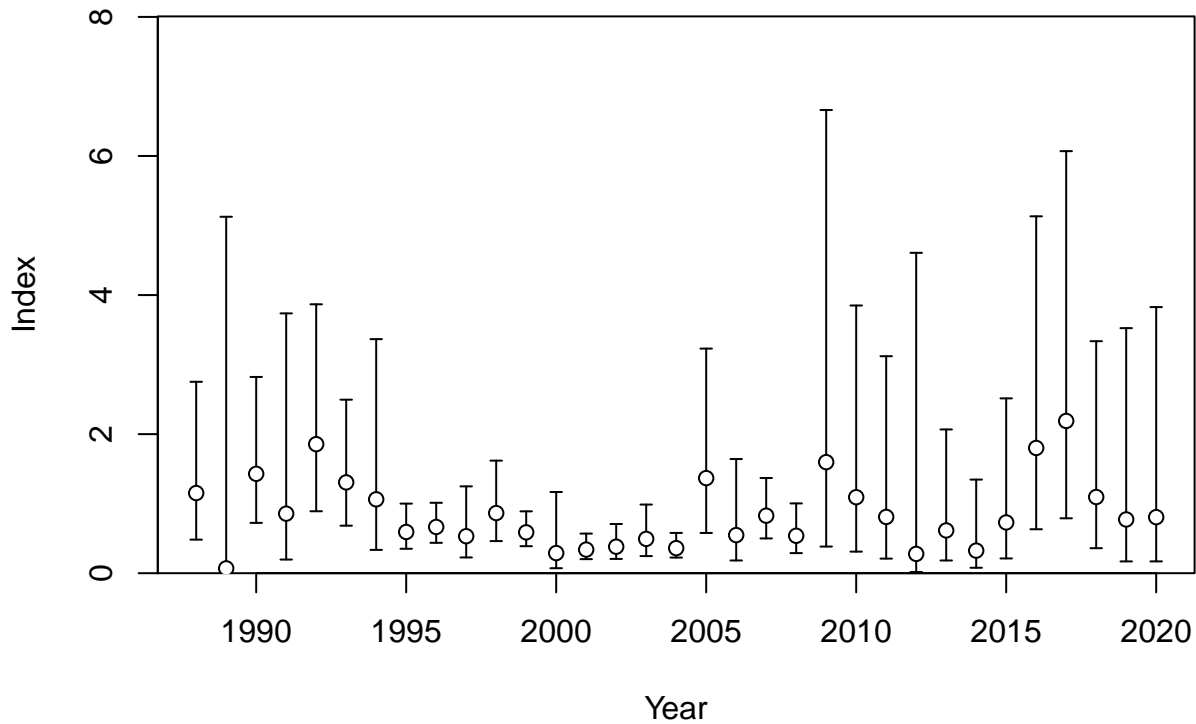
Fishing intensity: 1-SPR



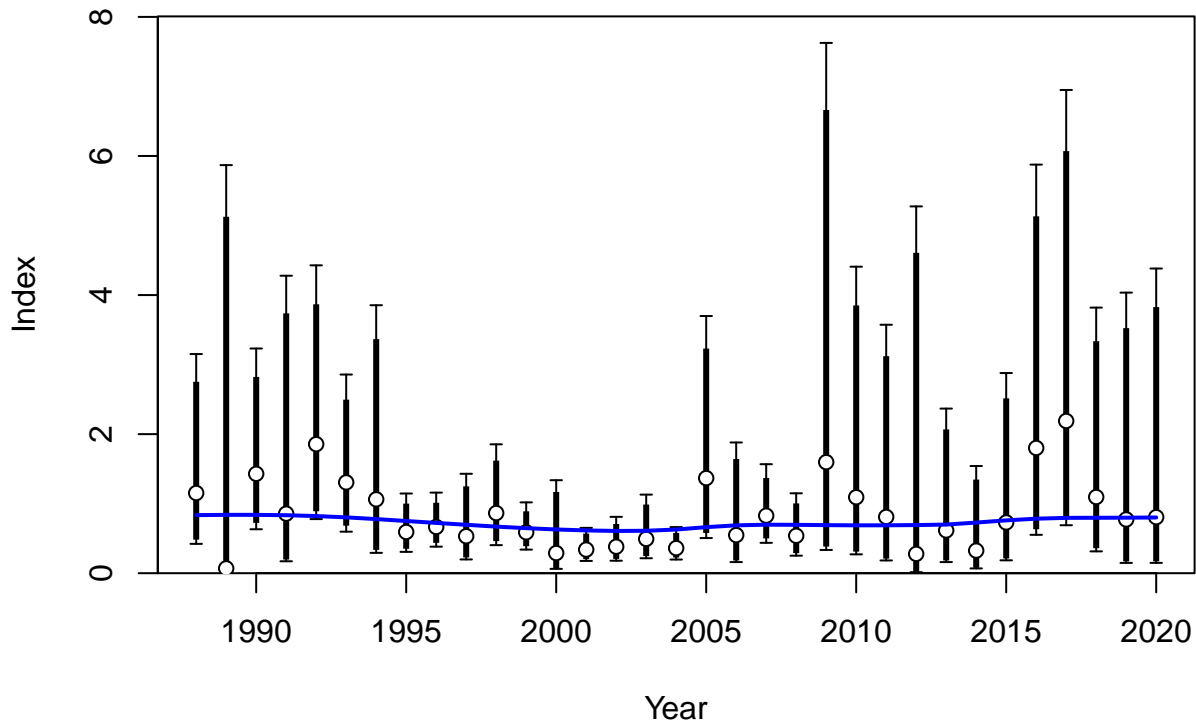
Fishing intensity: 1-SPR

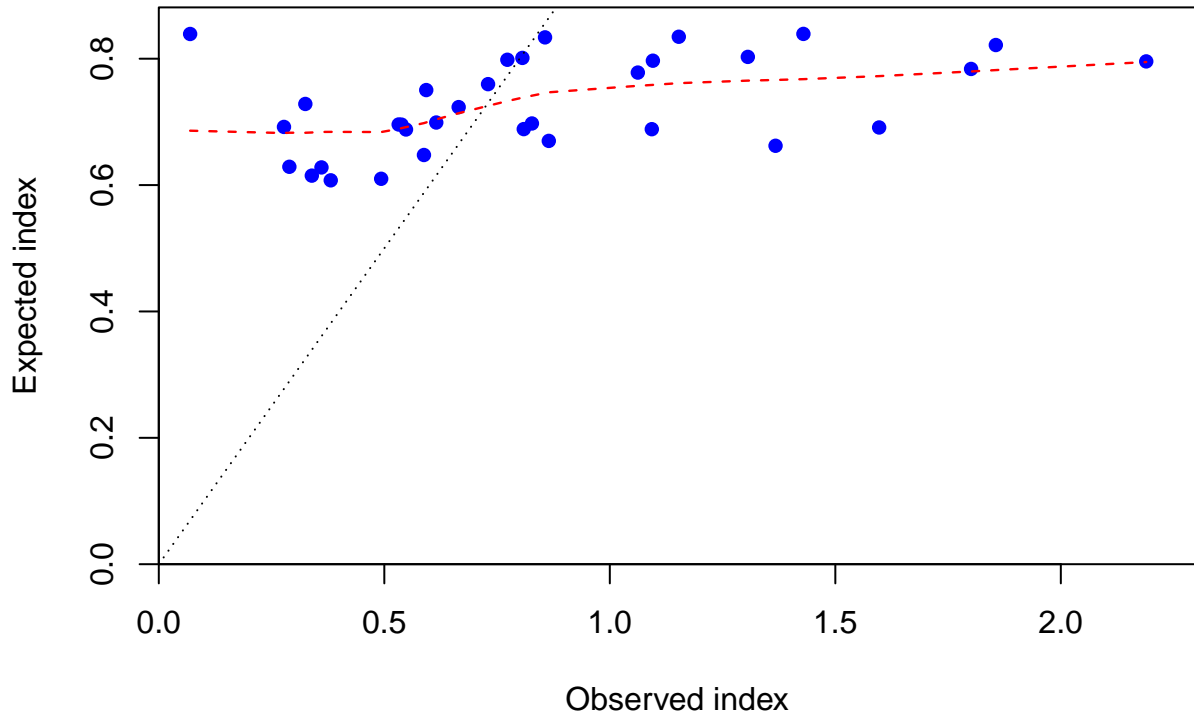


Relative spawning output:  $B/B_{MSY}$









Log index

2  
0  
-2  
-4  
-6

1990

1995

2000

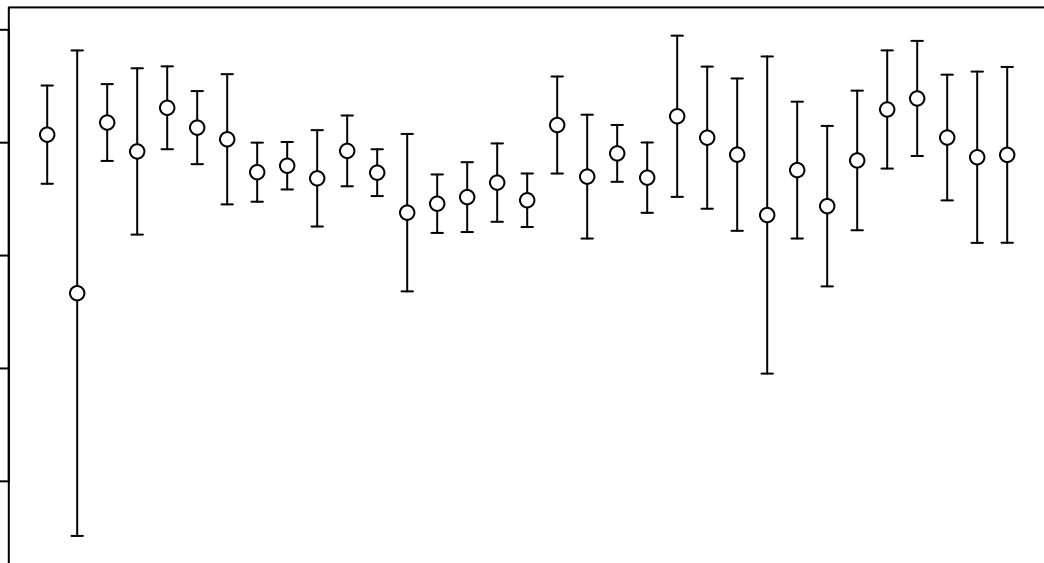
2005

2010

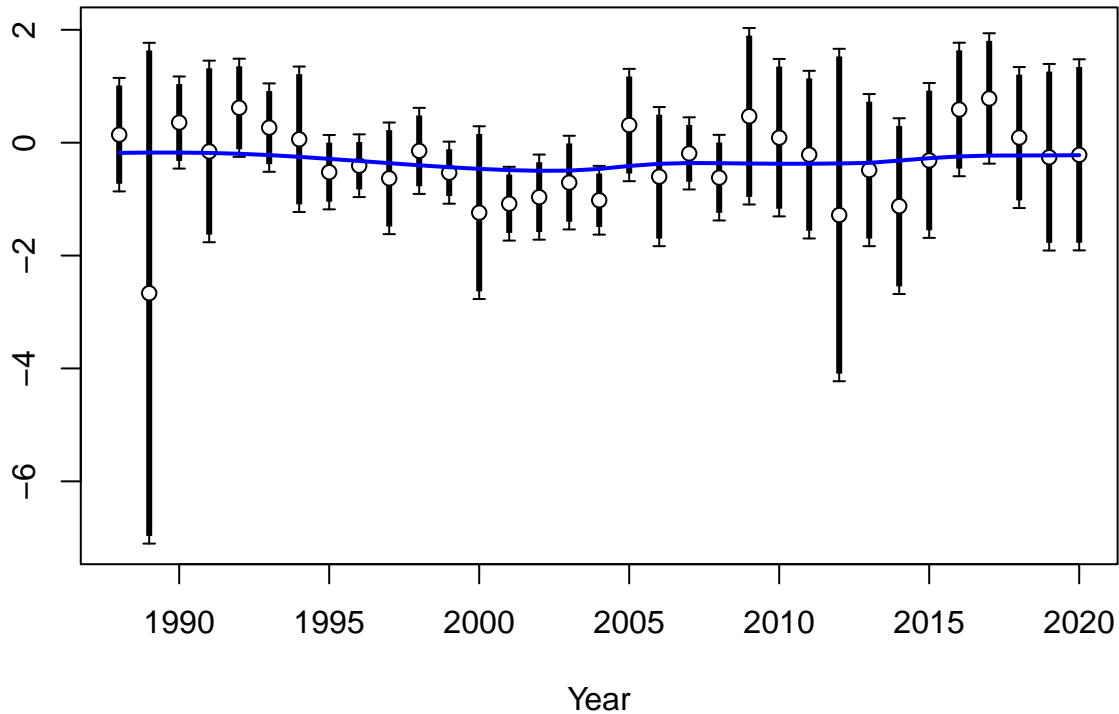
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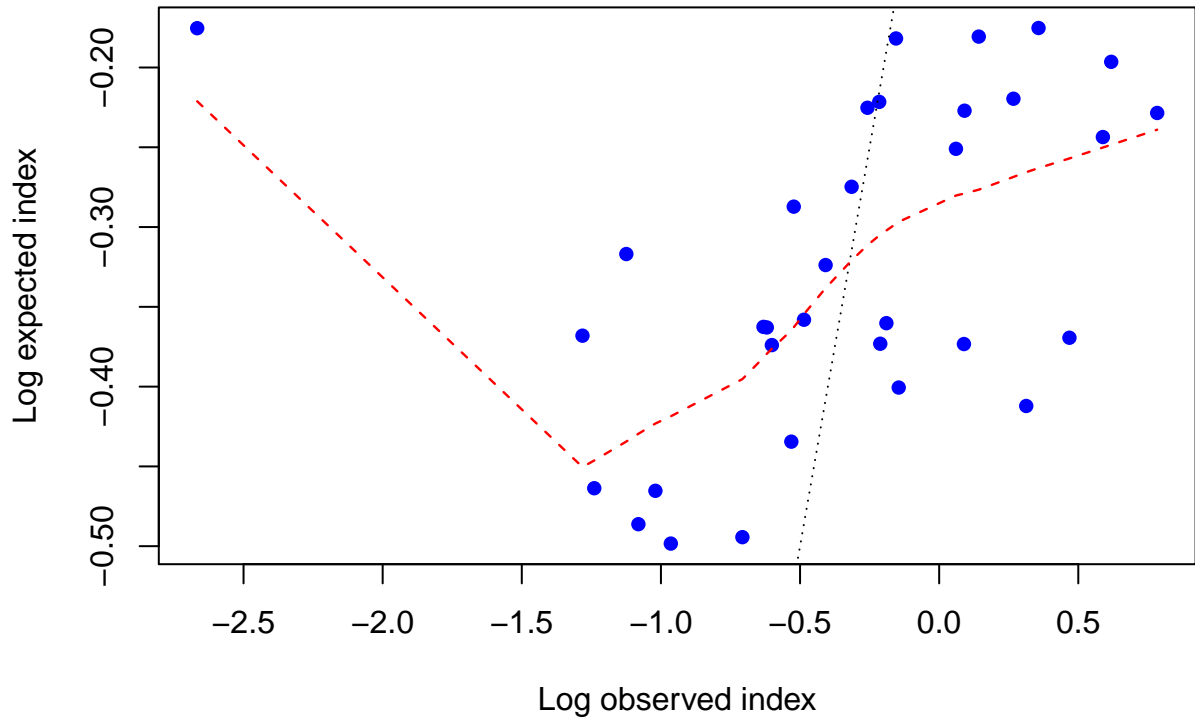
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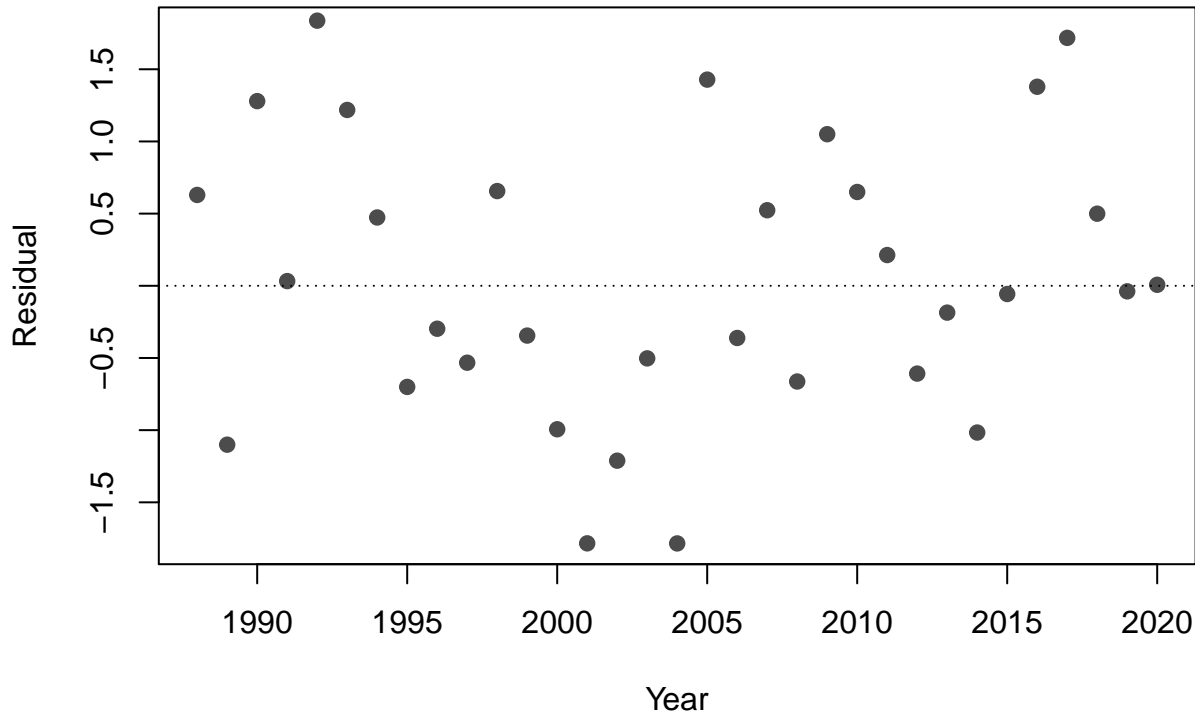
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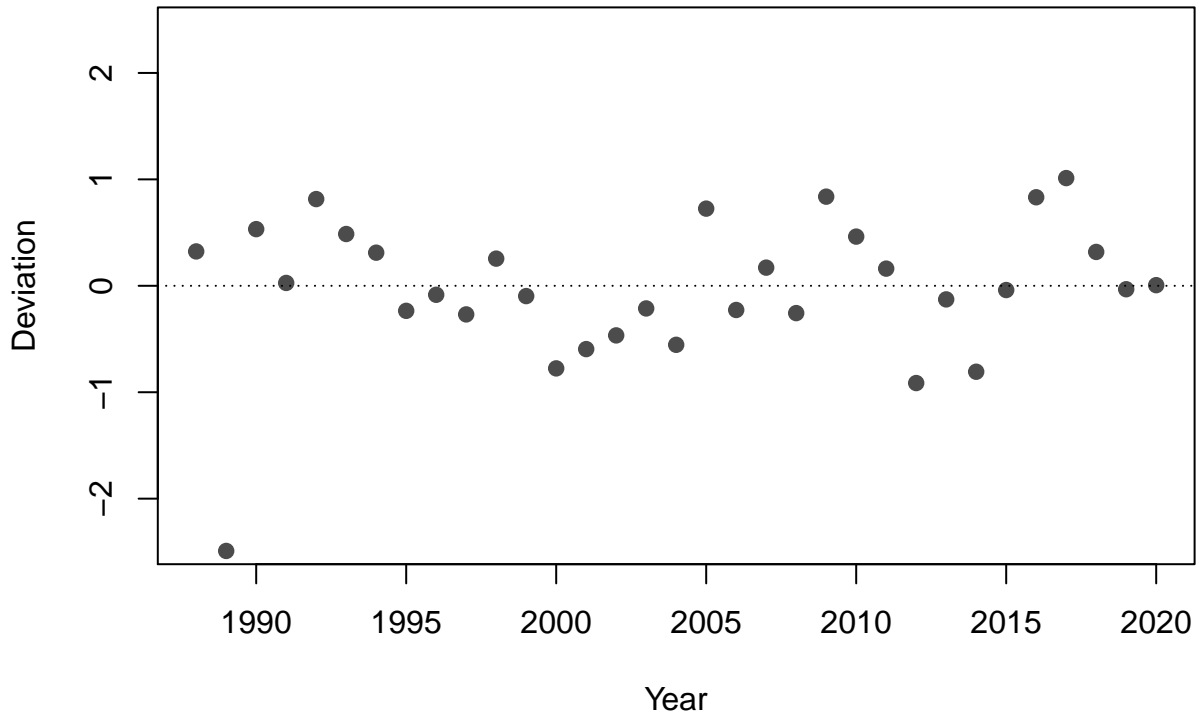


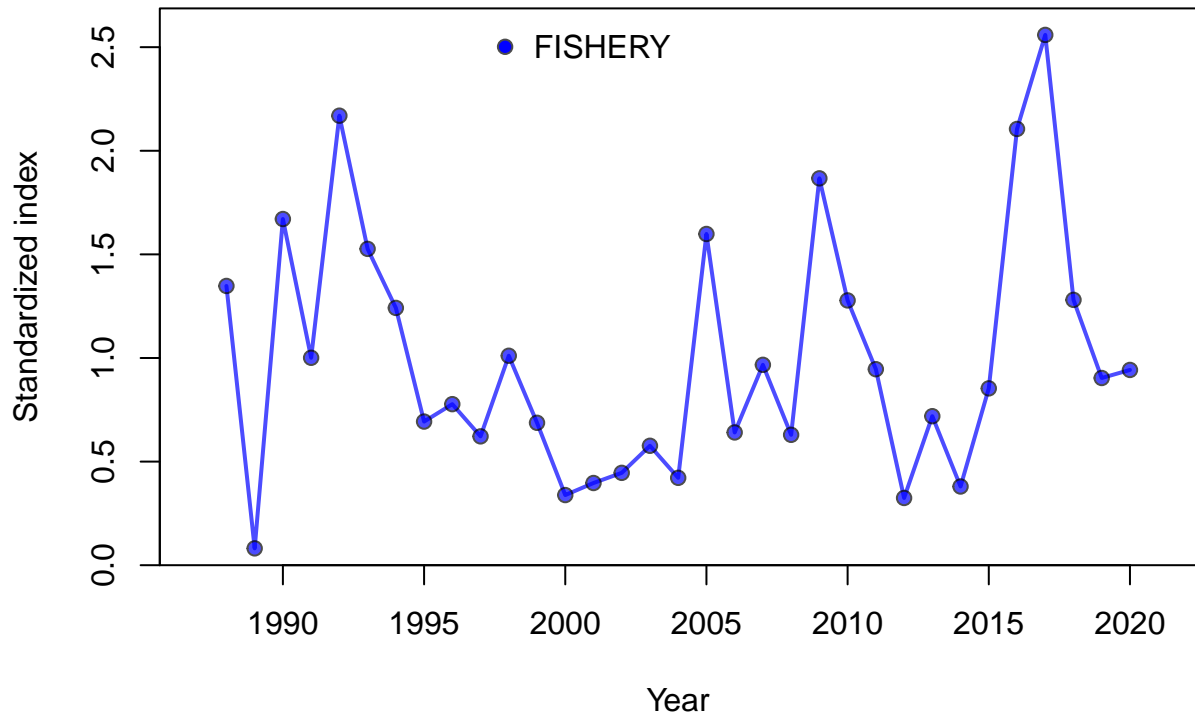
Log index



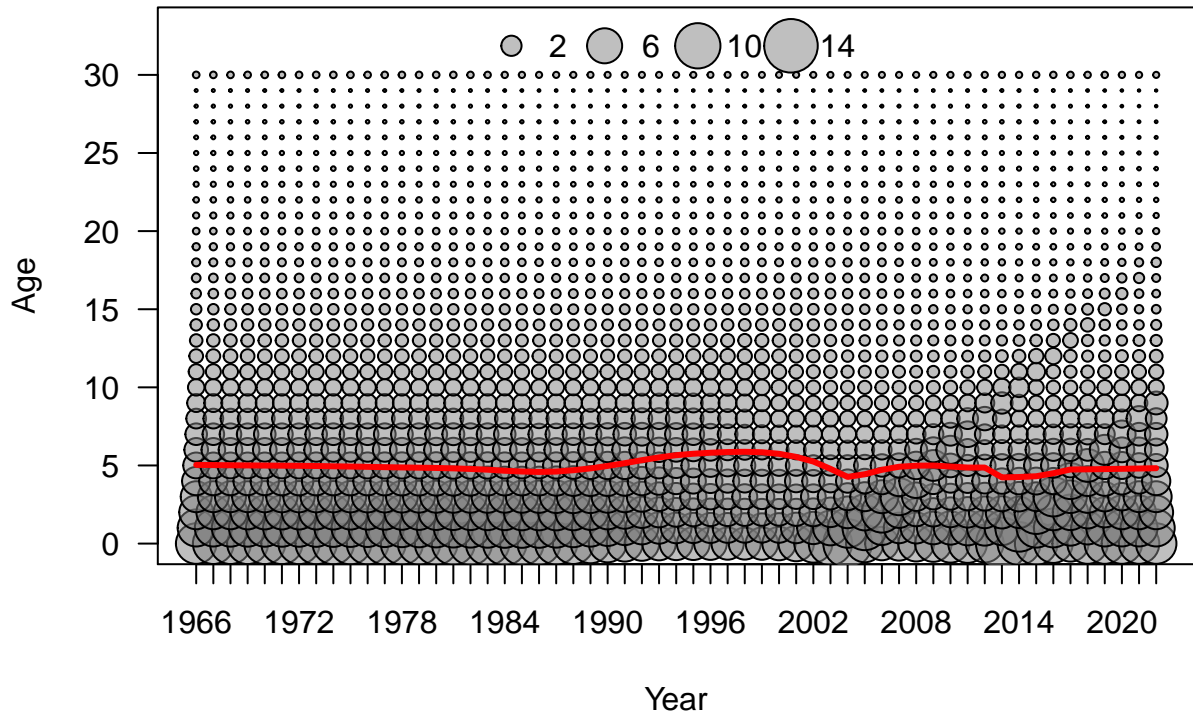


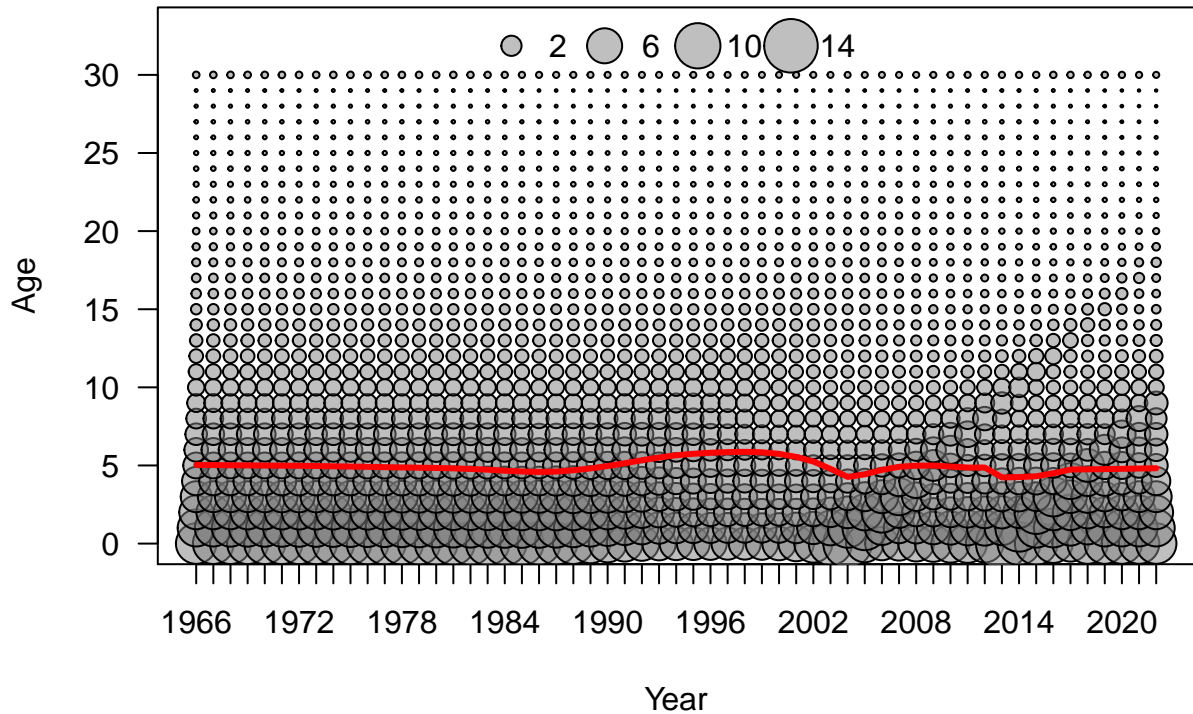


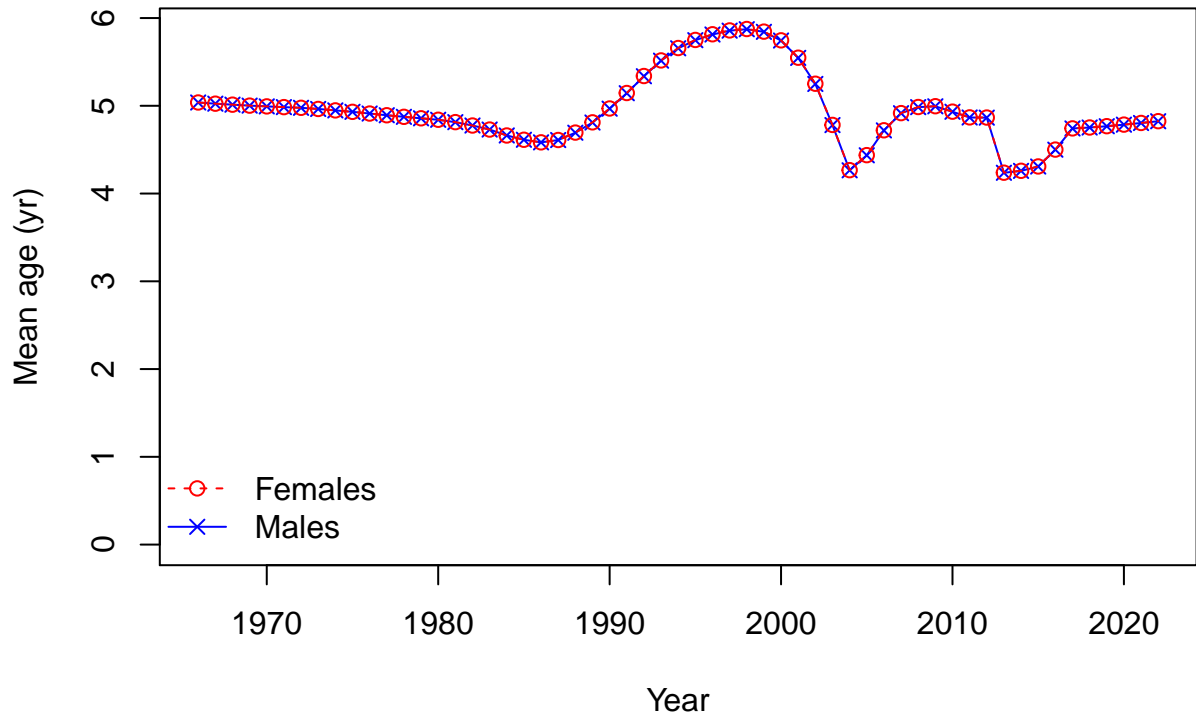


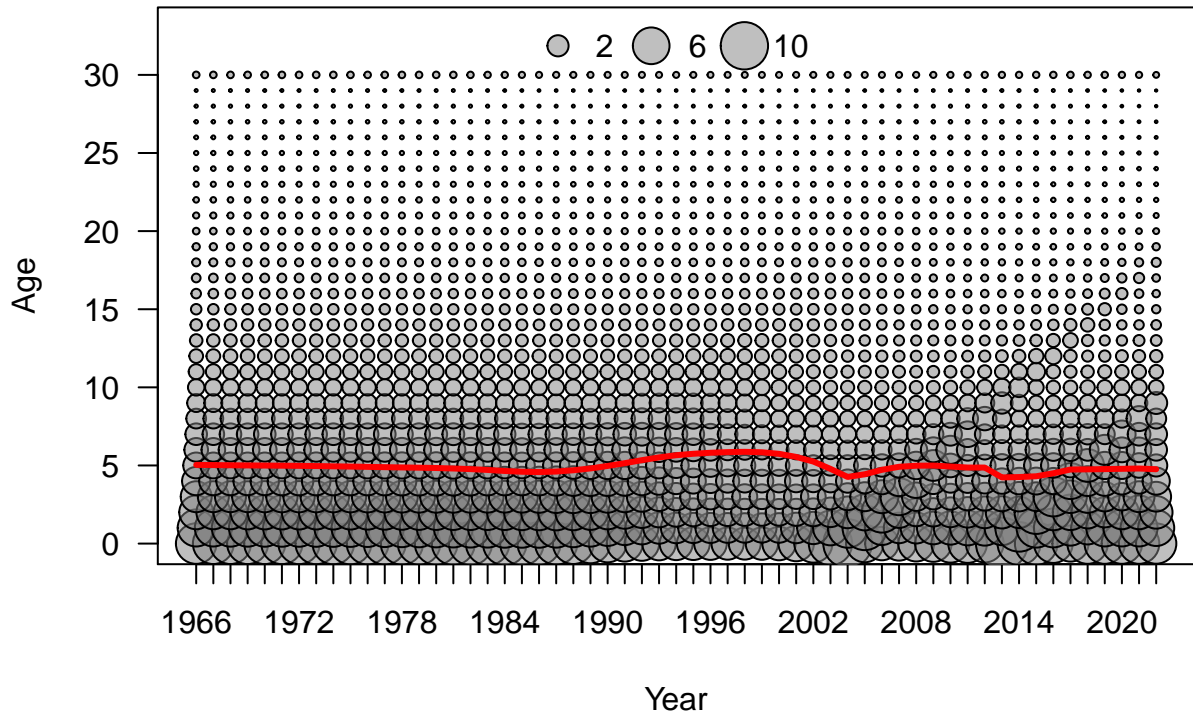


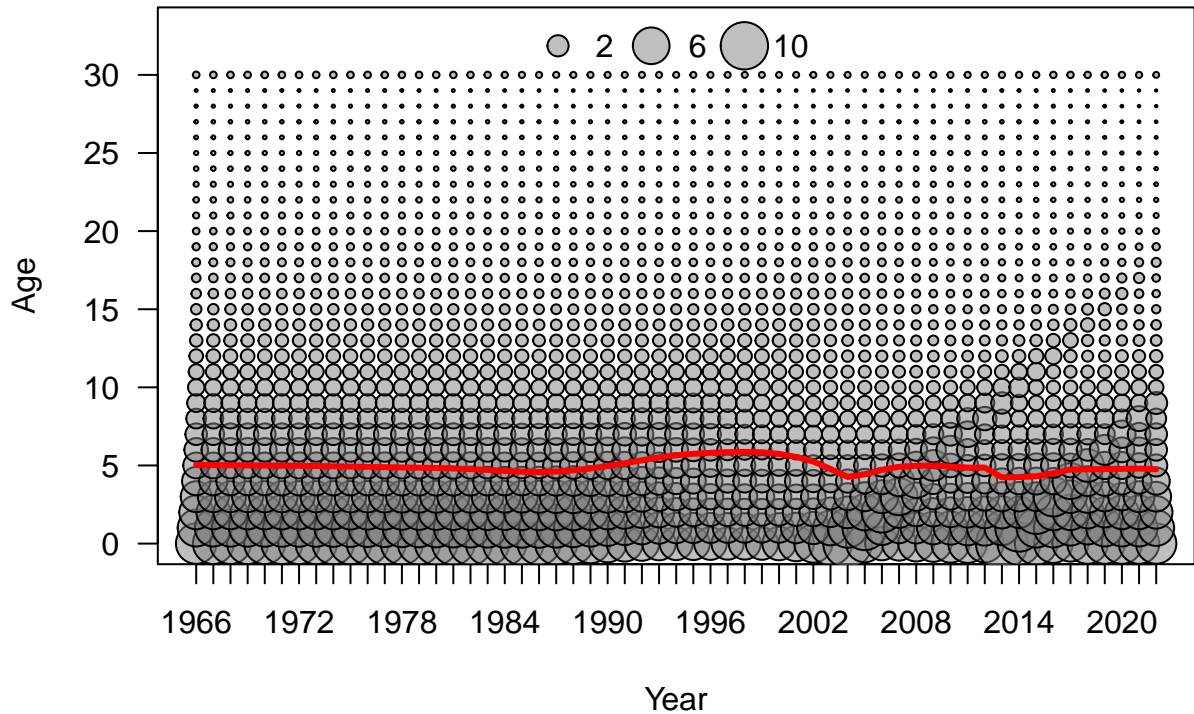


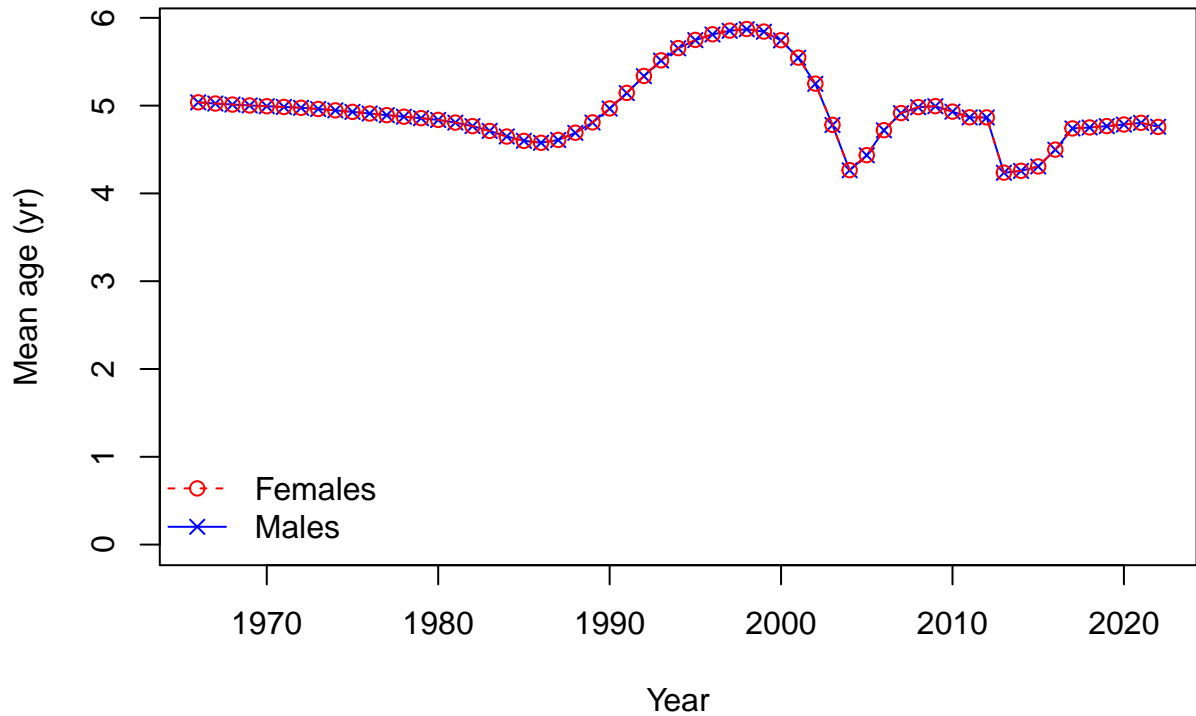


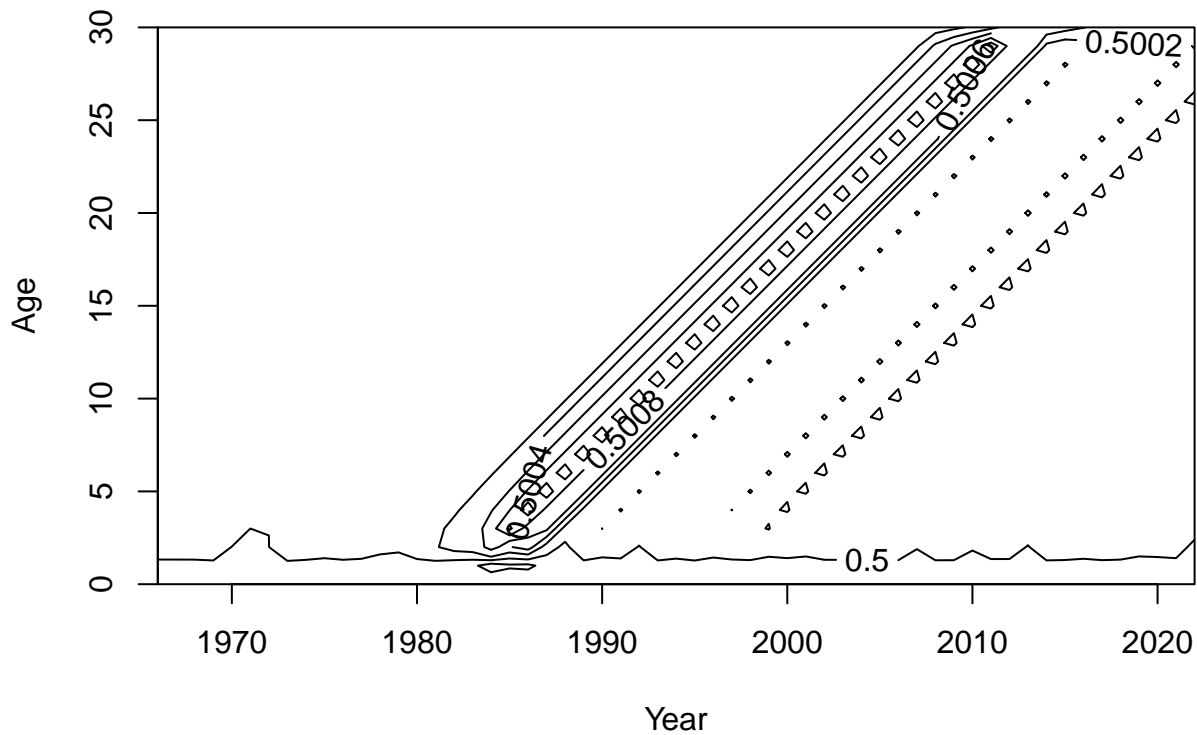


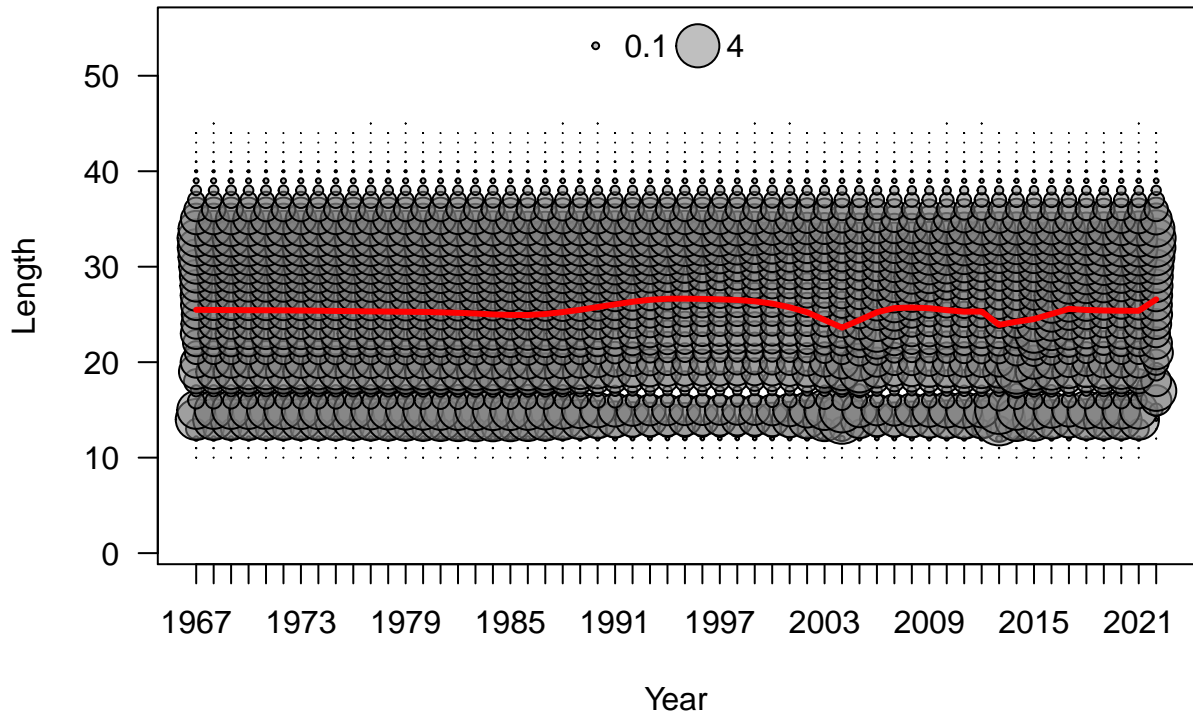




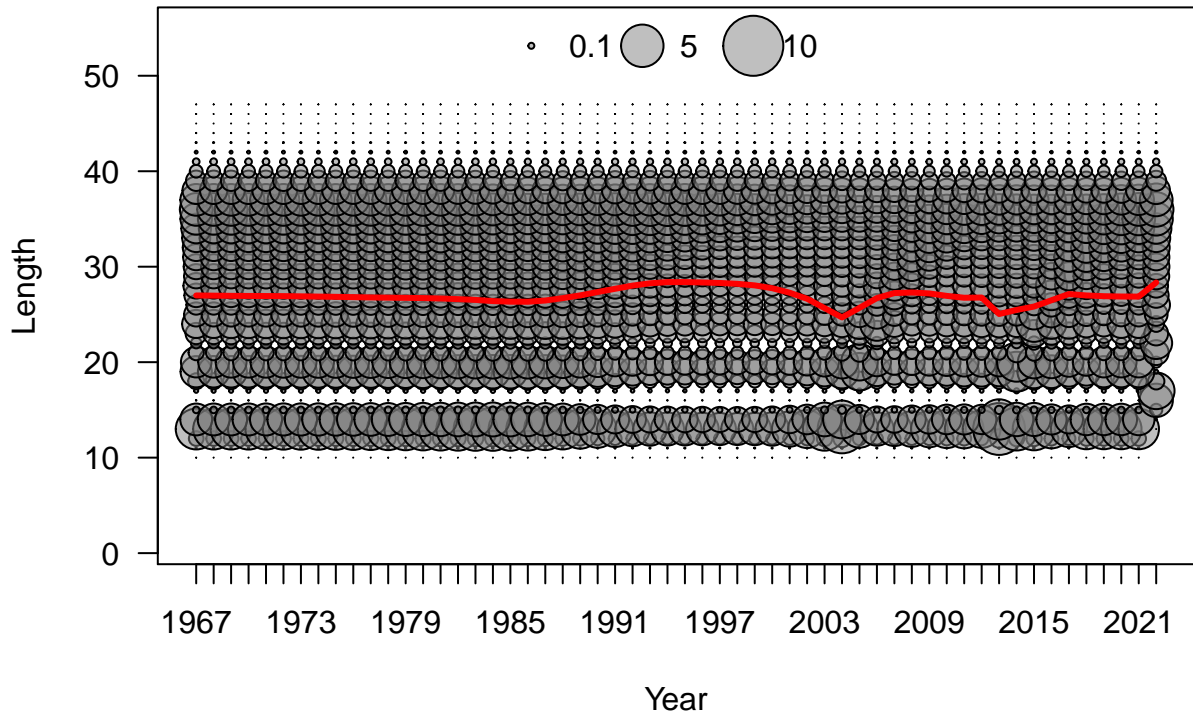


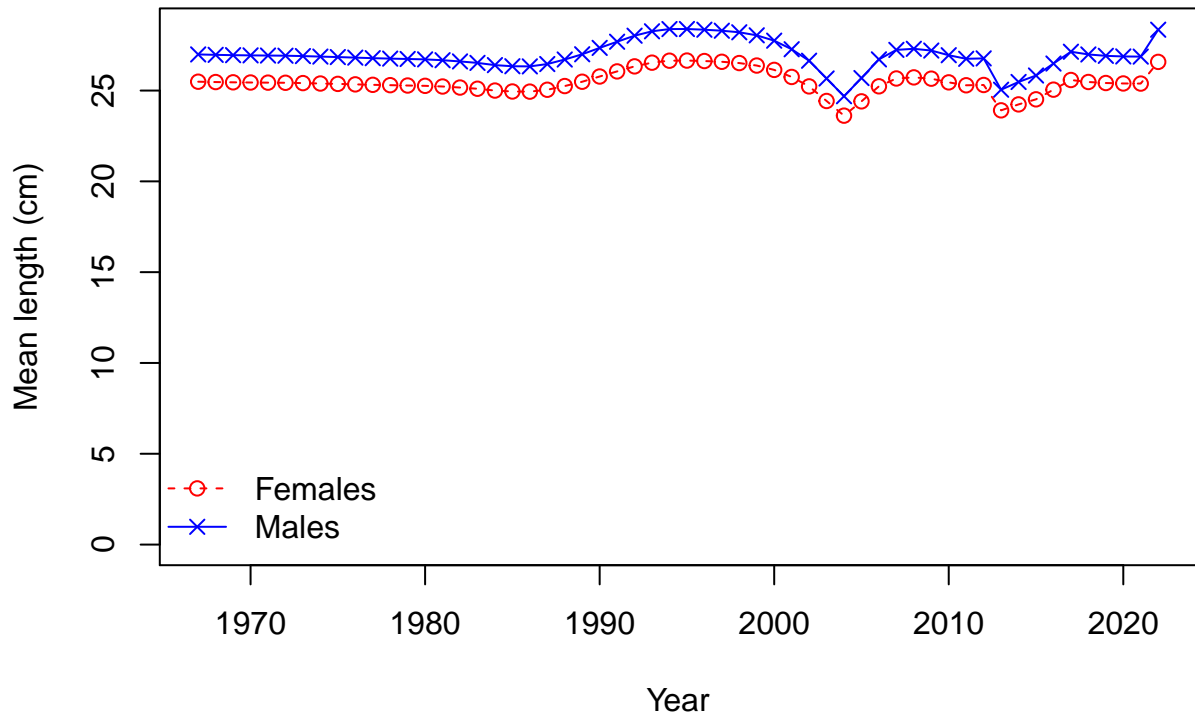


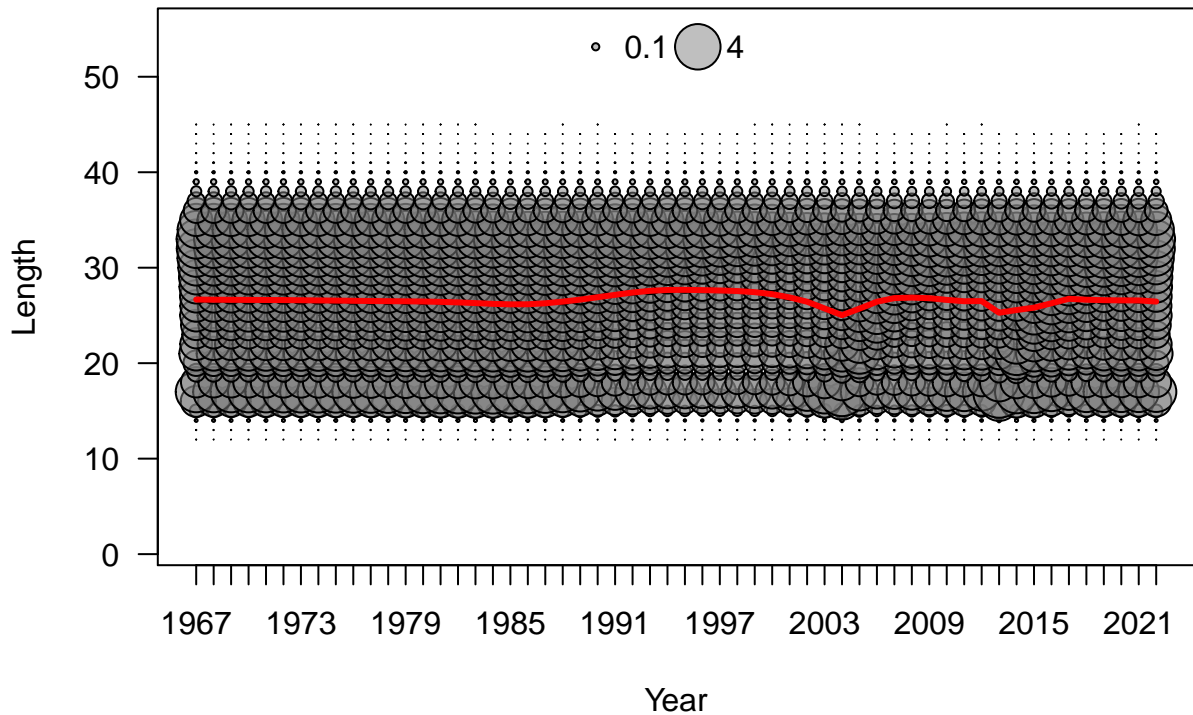


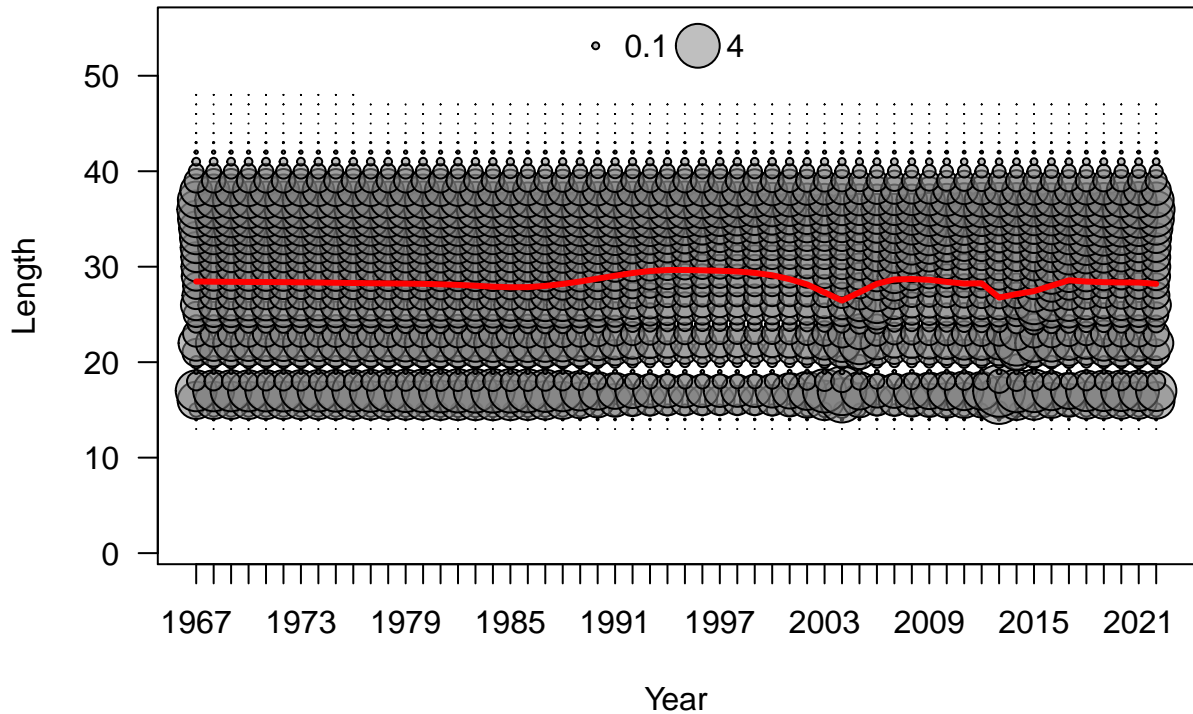


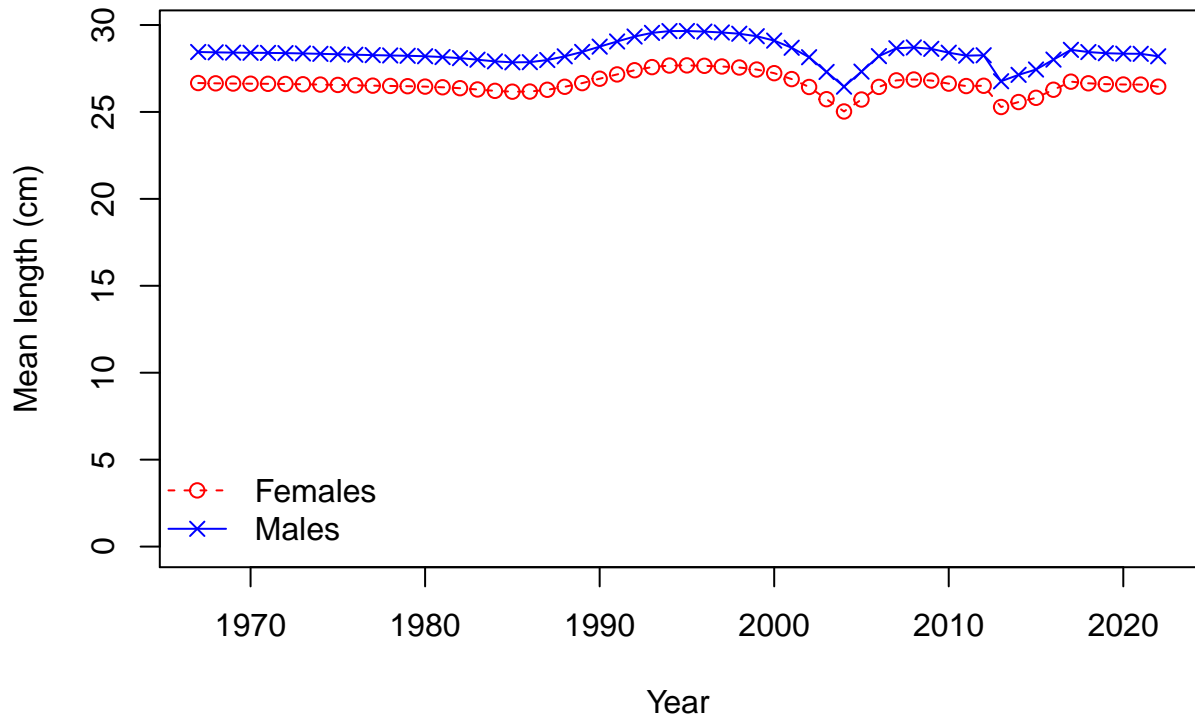


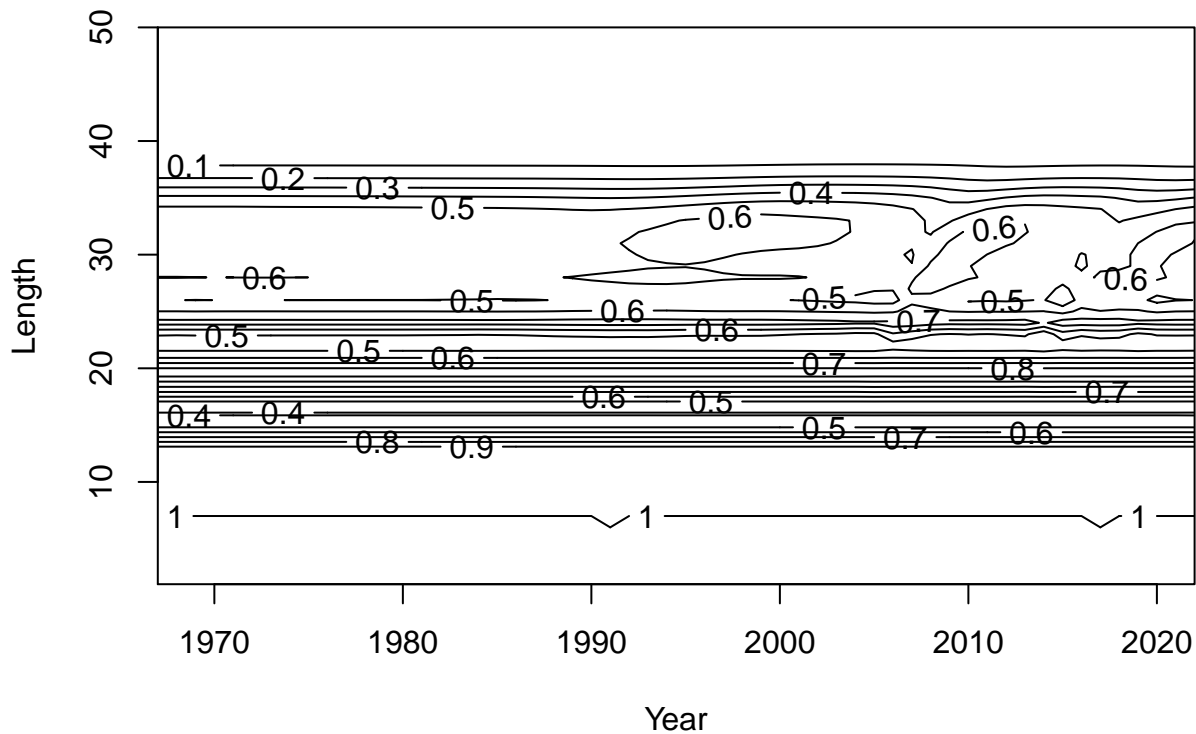


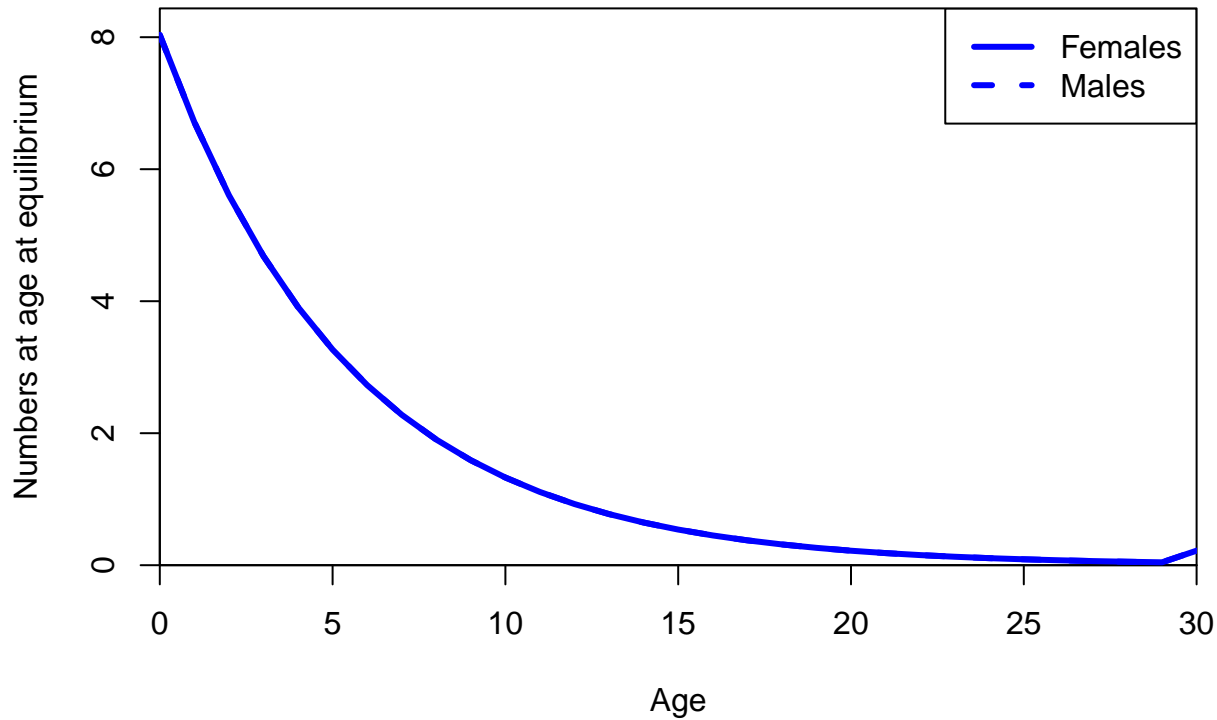


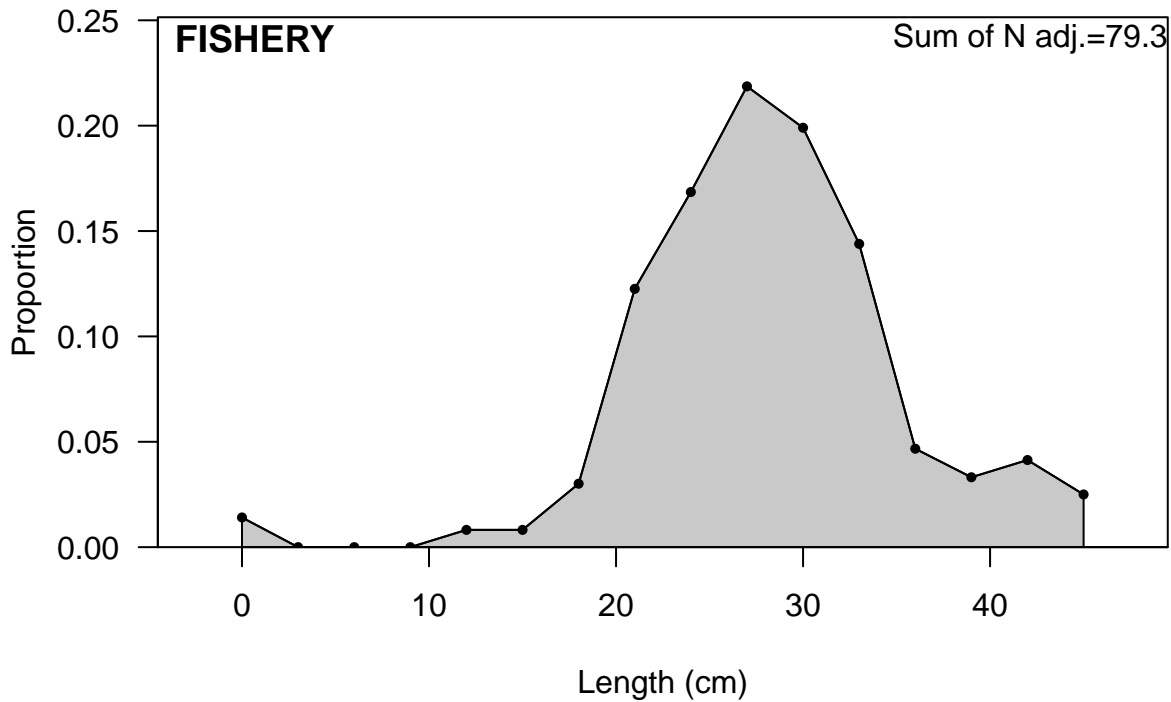




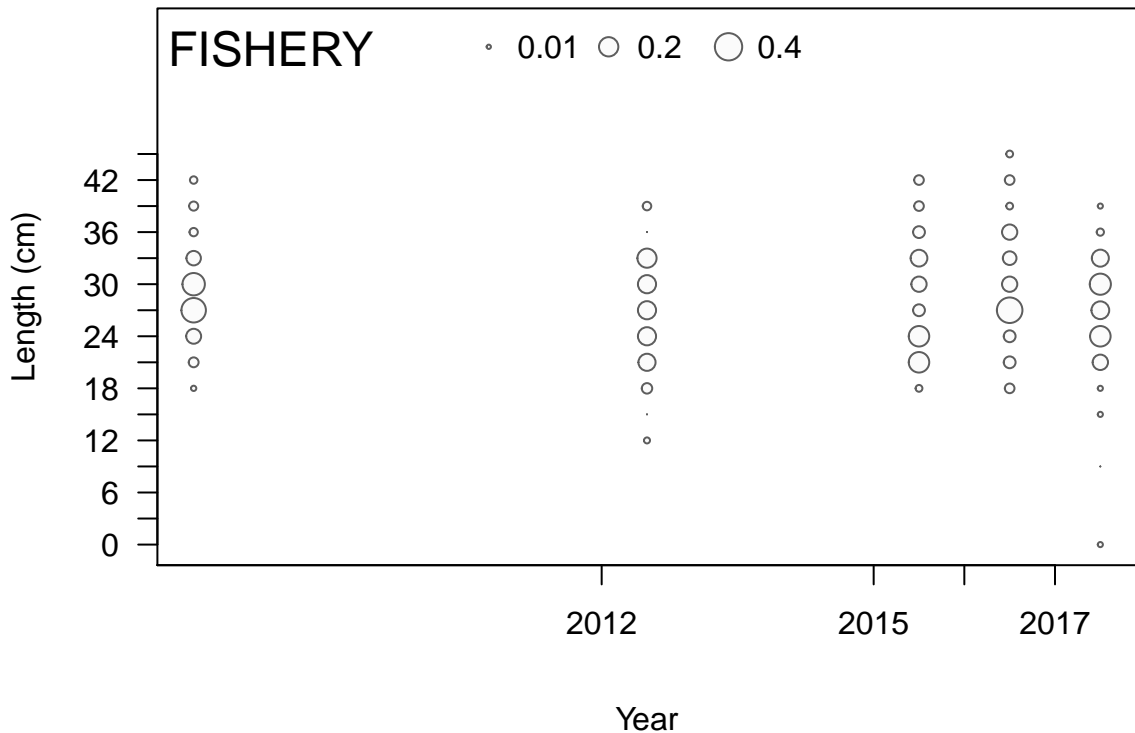




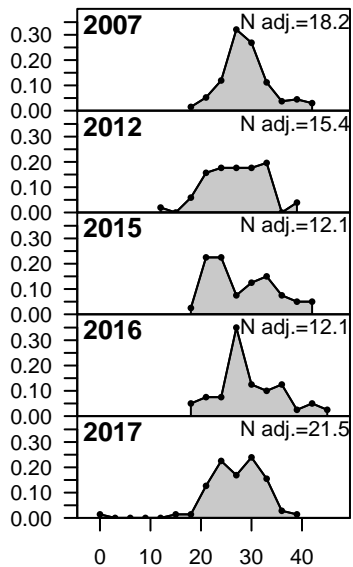




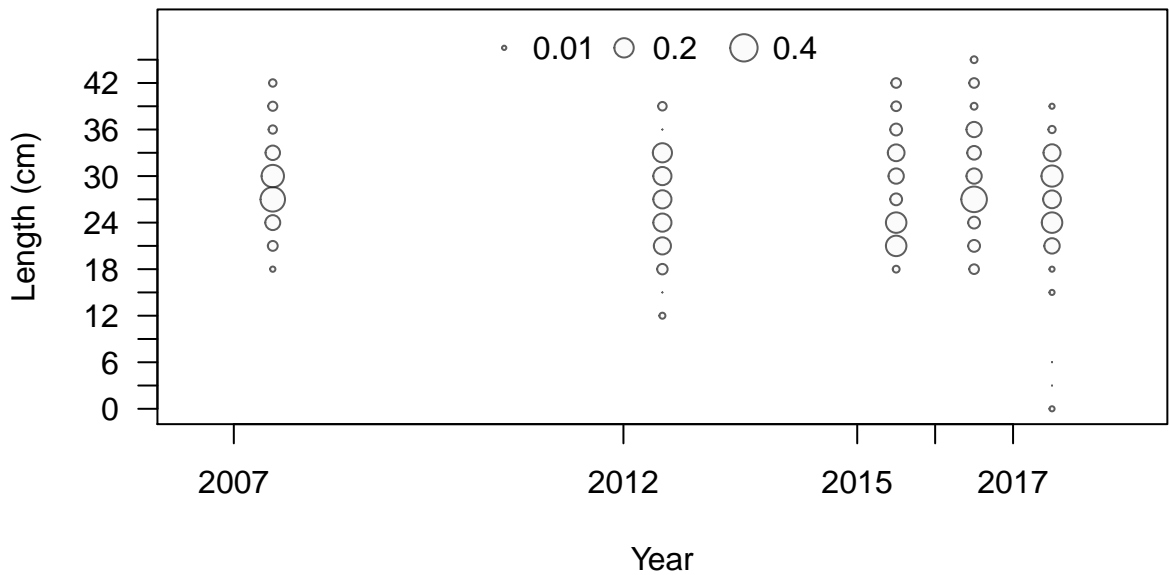




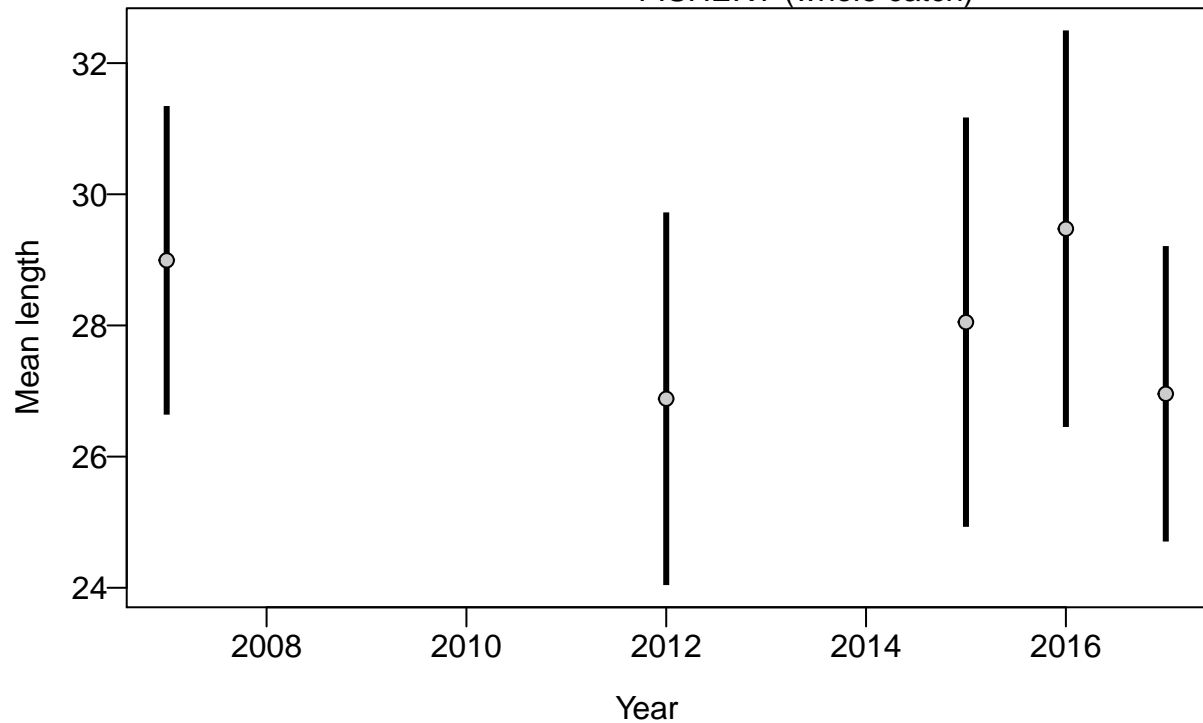
Proportion

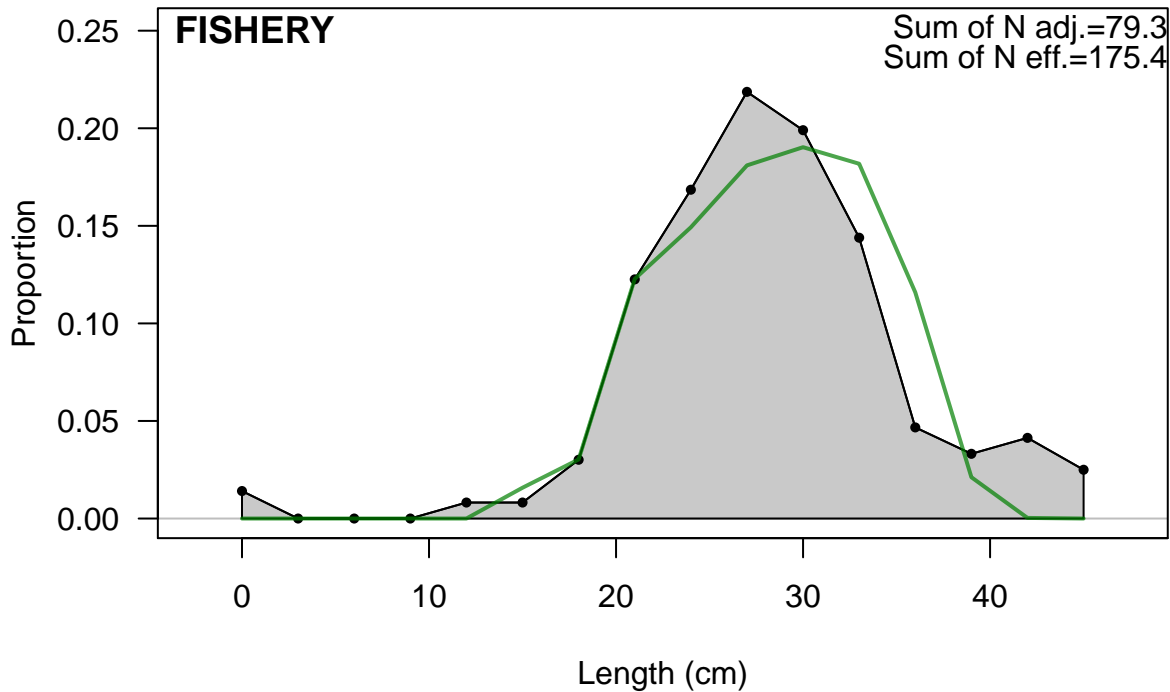


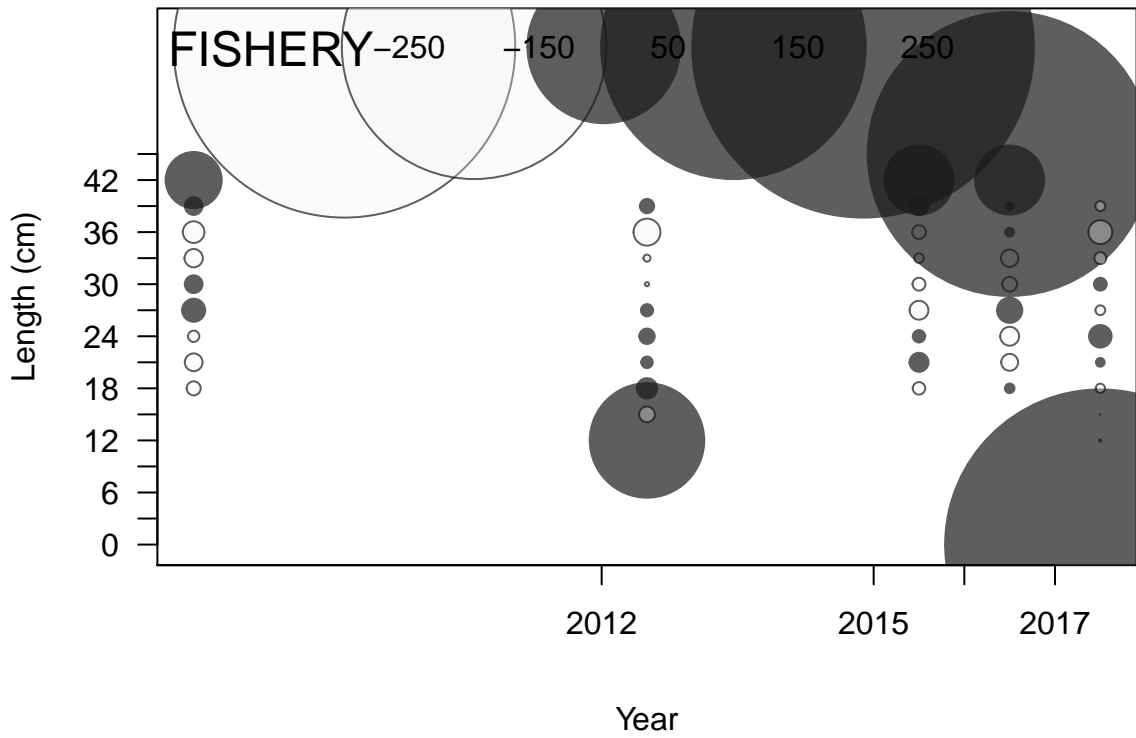
Length (cm)



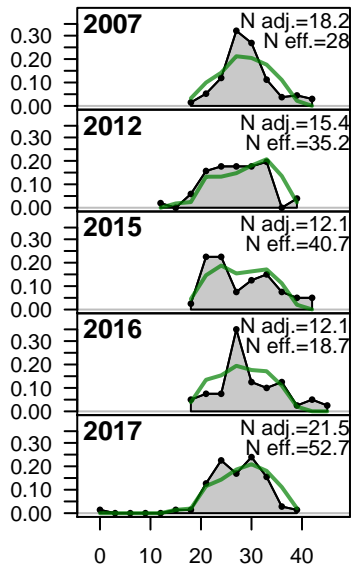
# FISHERY (whole catch)



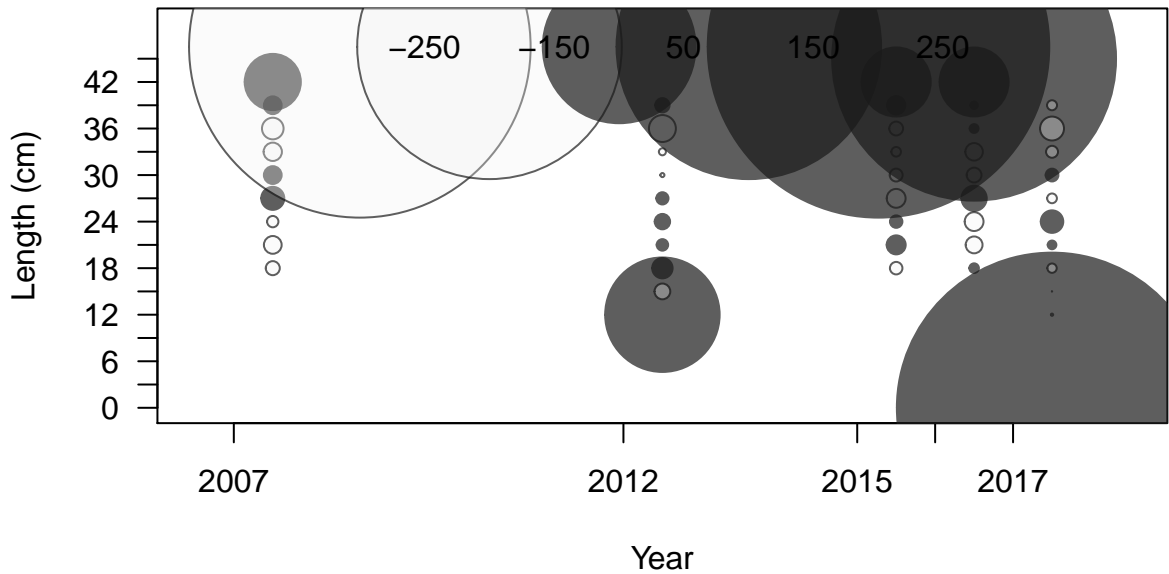




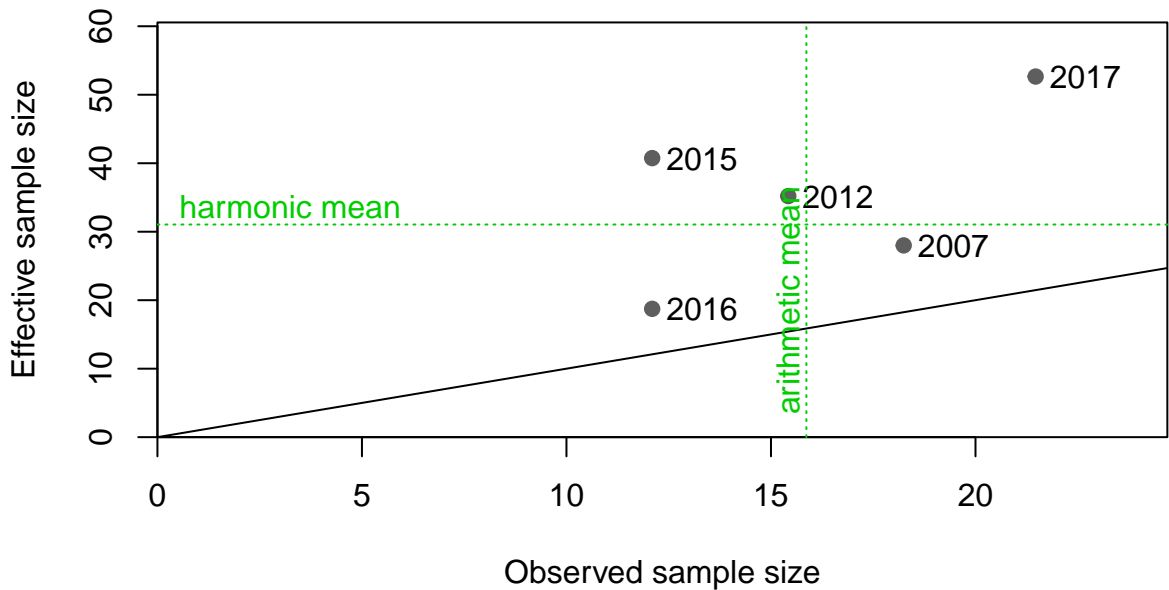
Proportion



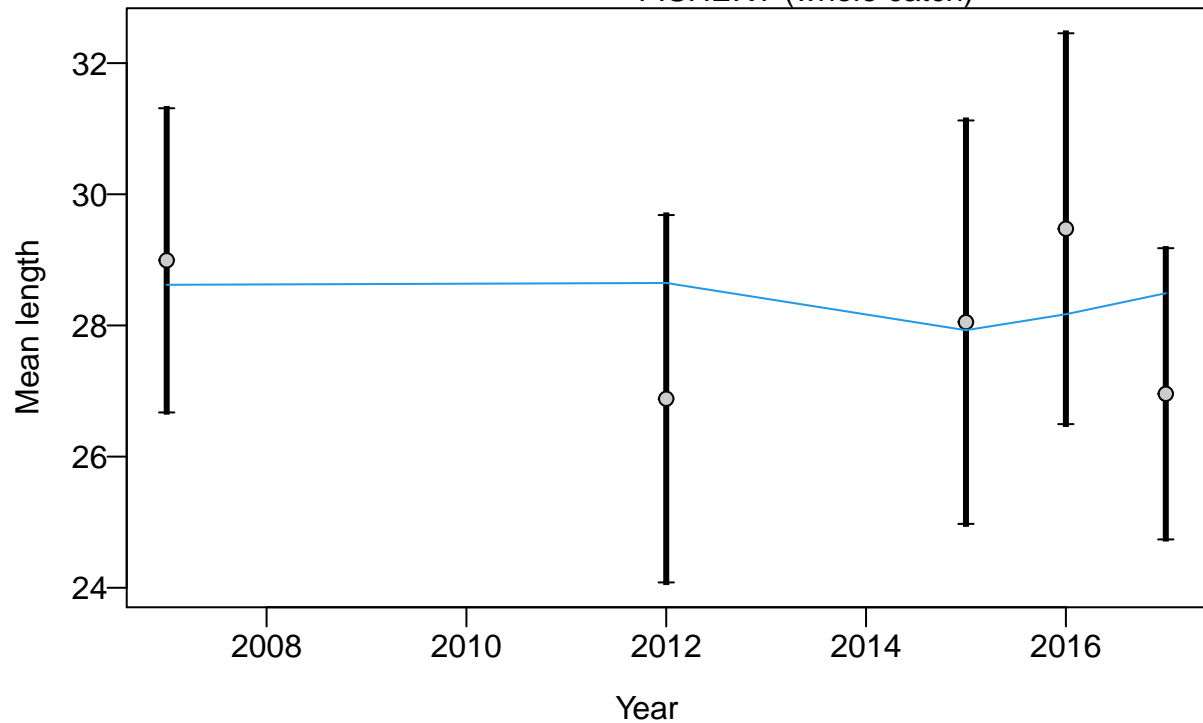
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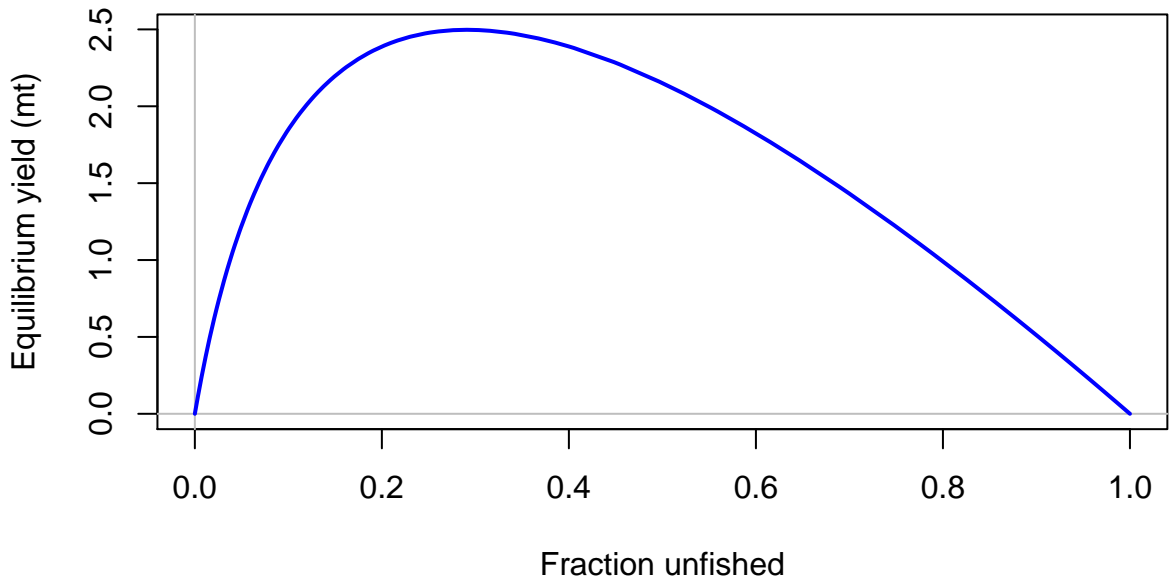


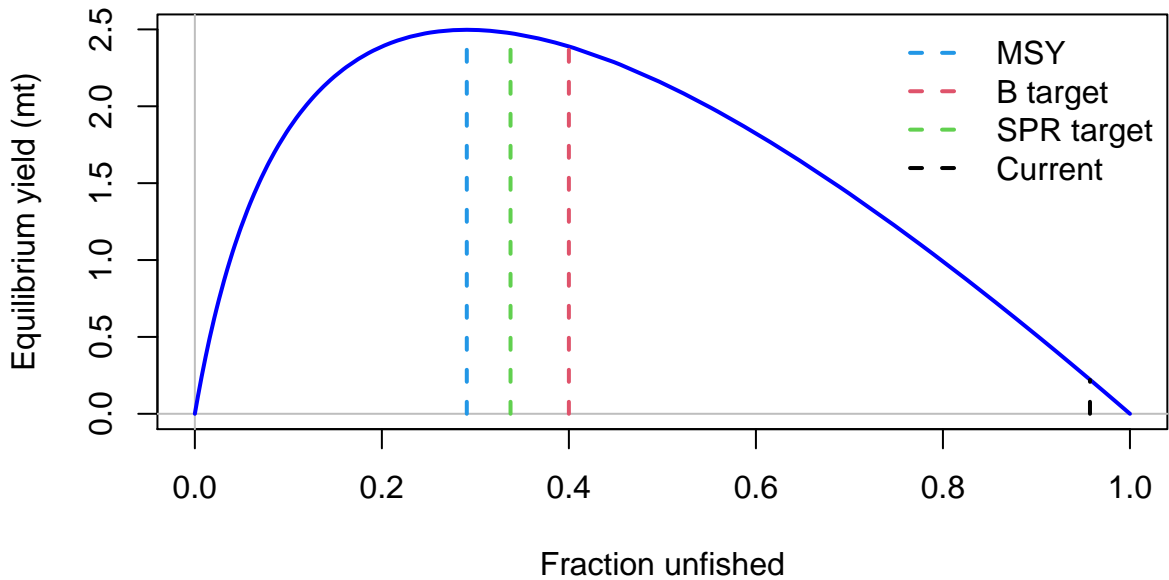


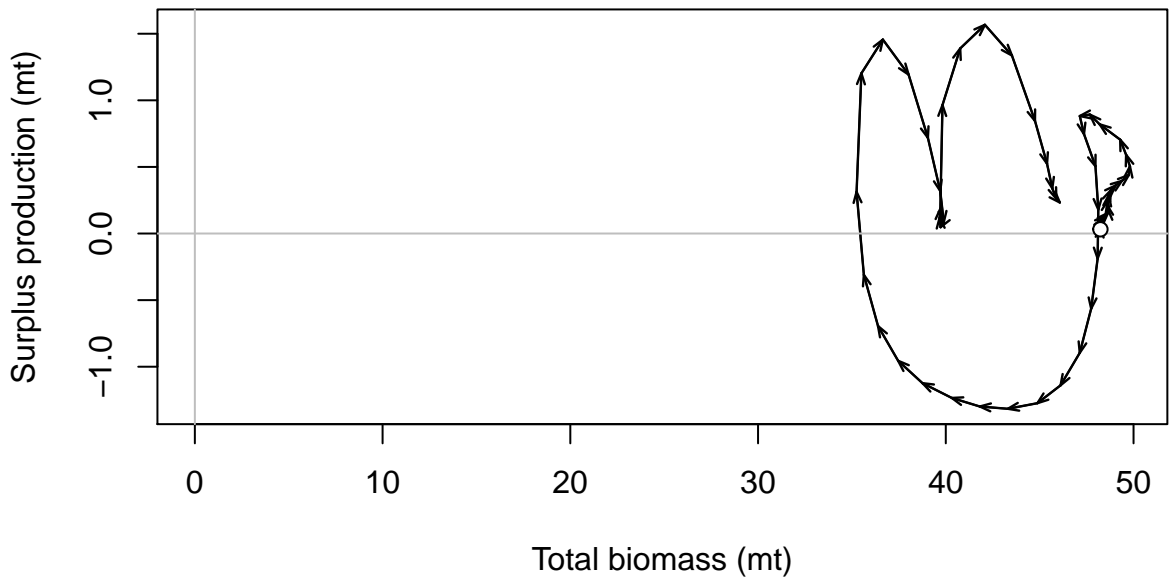


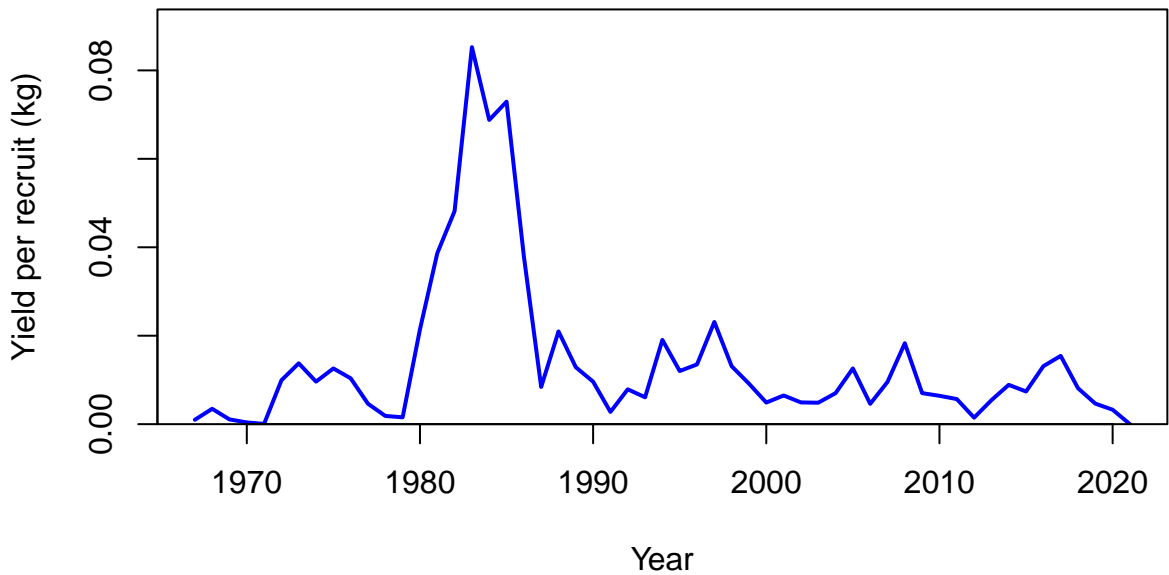
FISHERY (whole catch)

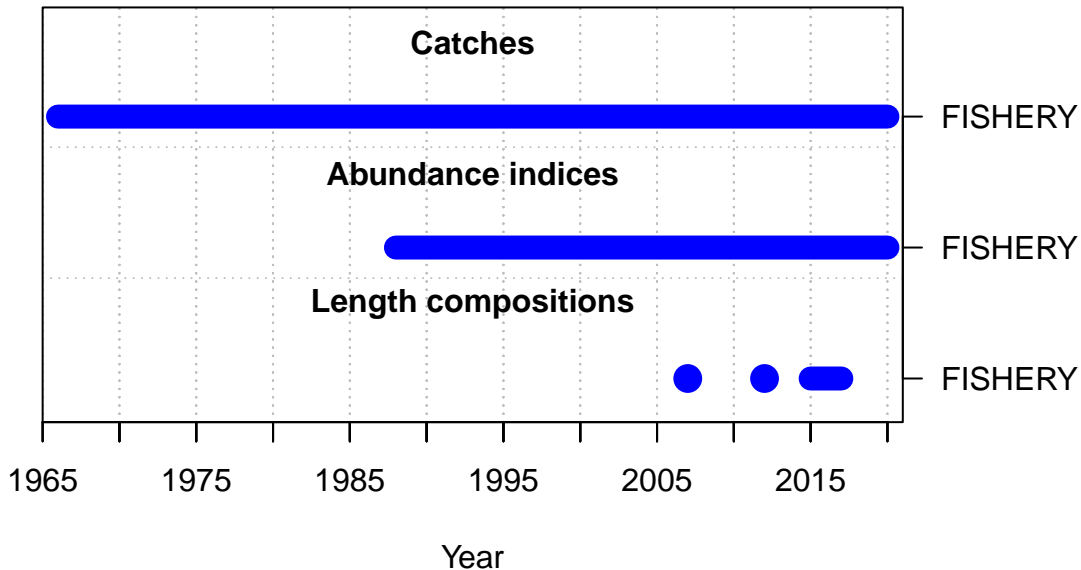


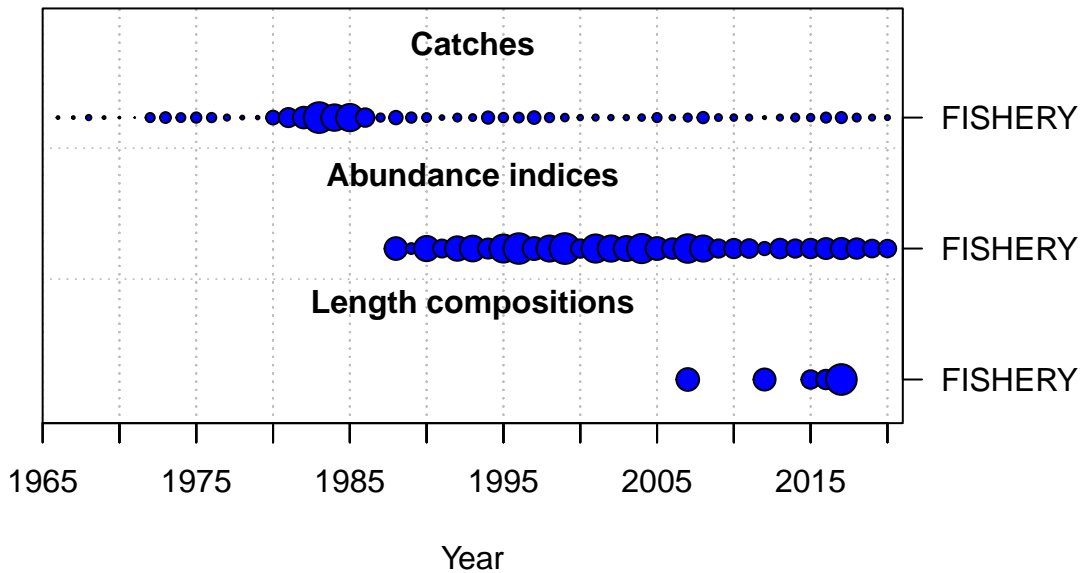






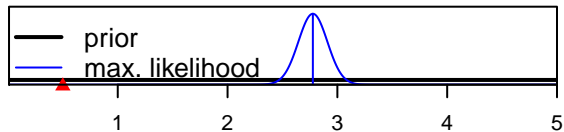




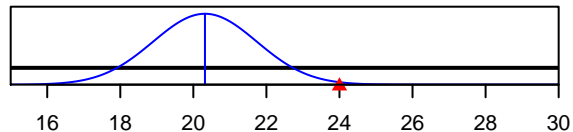




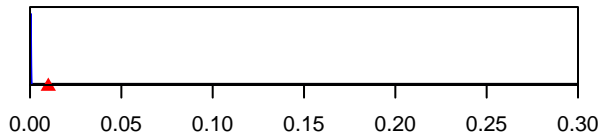
SR\_LN(R0)



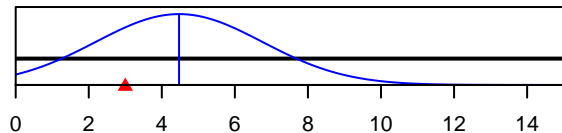
Size\_inflection\_FISHERY(1)



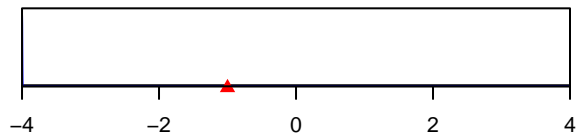
InitF\_seas\_1\_flt\_1FISHERY



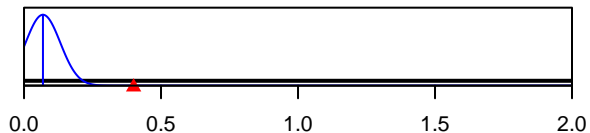
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



Q\_extraSD\_FISHERY(1)



Parameter value