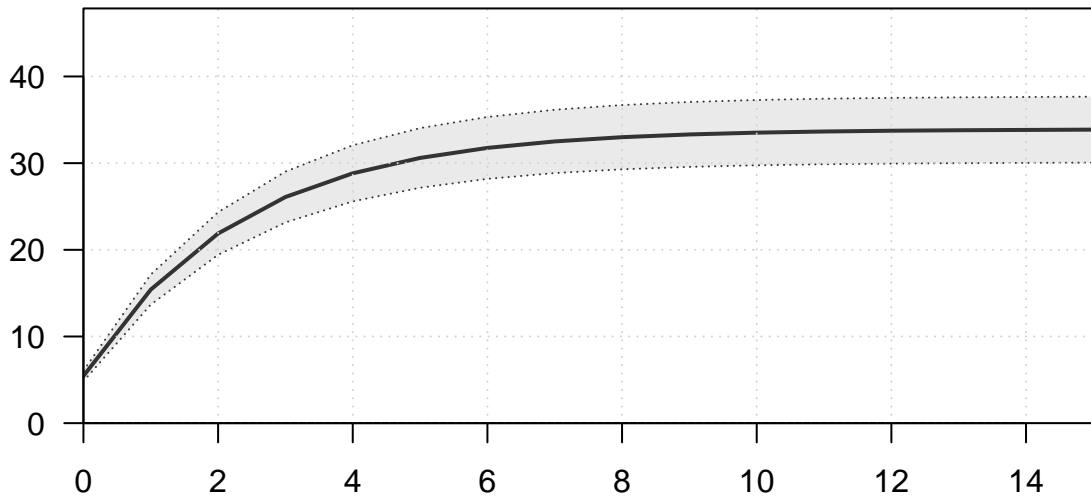
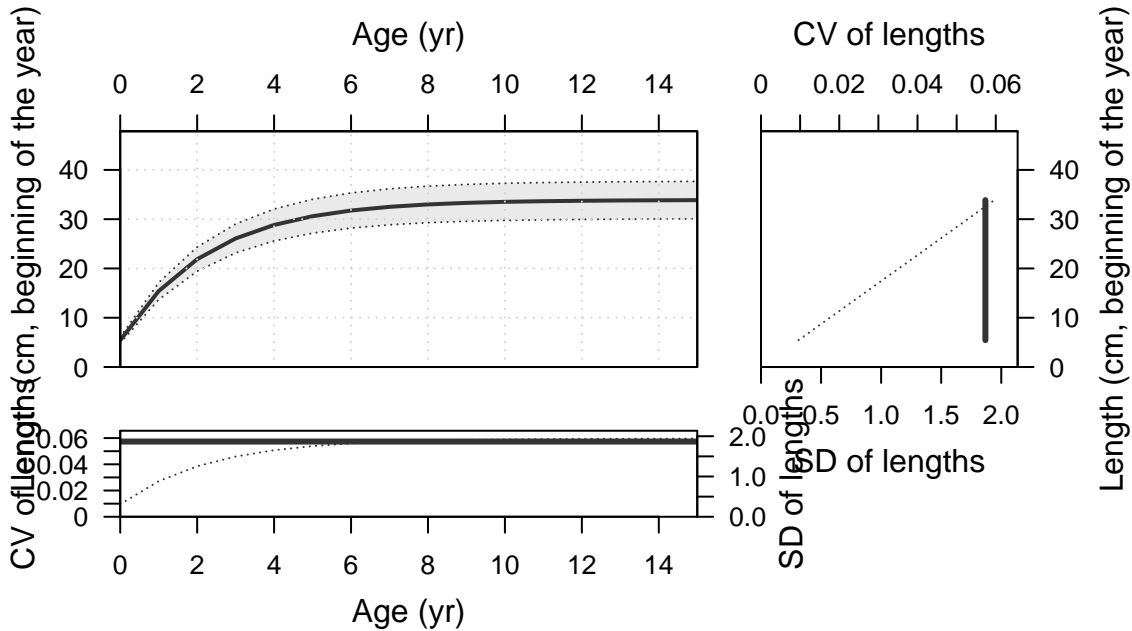


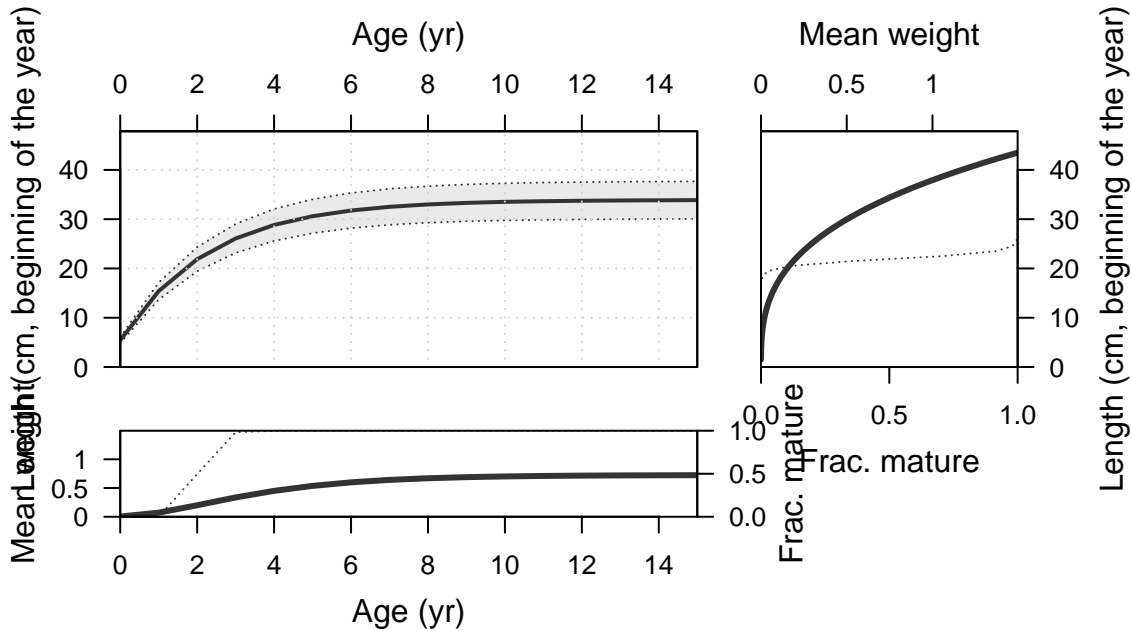
Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Wed Aug 24 10:44:23 2022  
Data\_File: data.ss  
Control\_File: control.ss

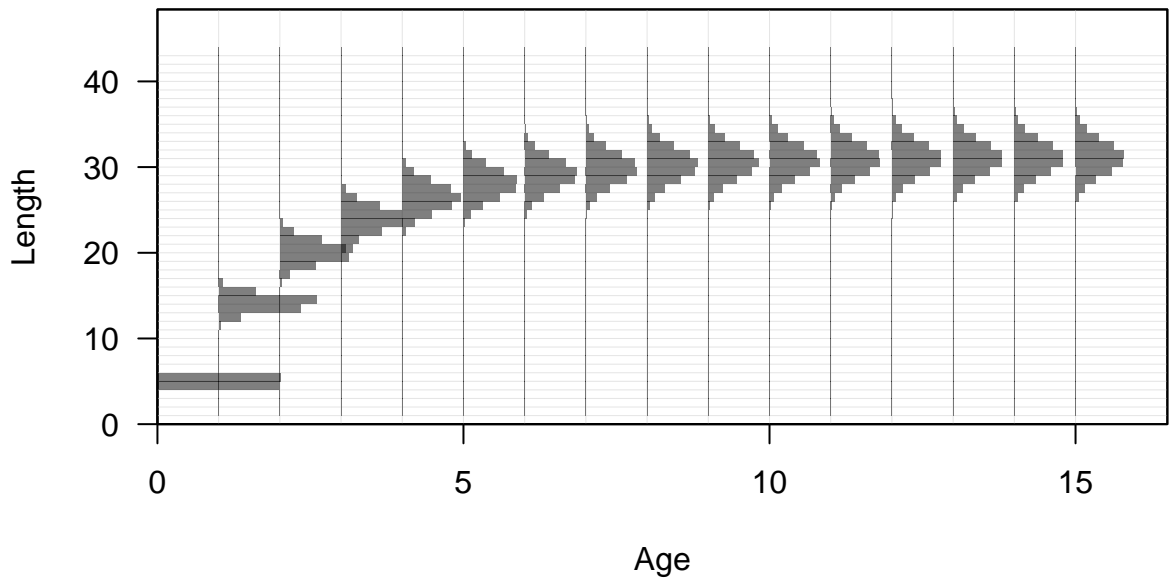
Length (cm, beginning of the year)

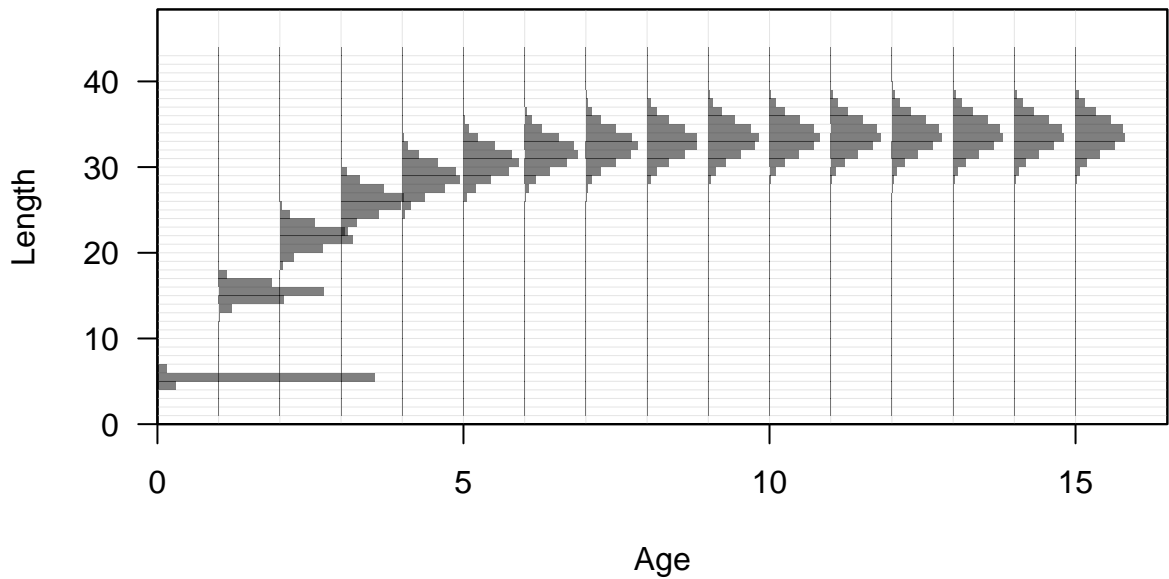


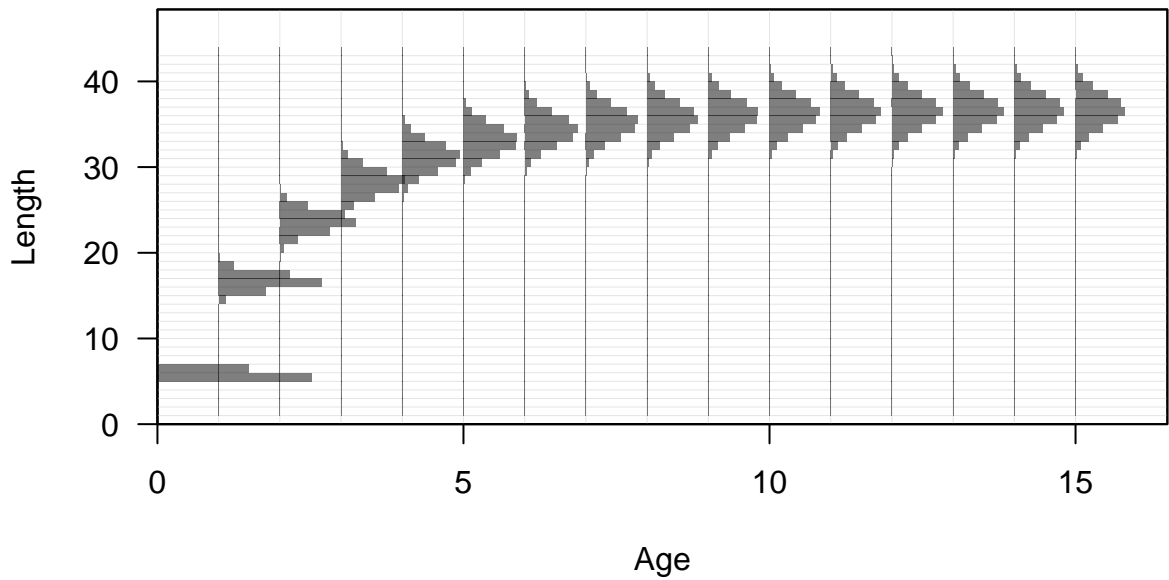
Age (yr)

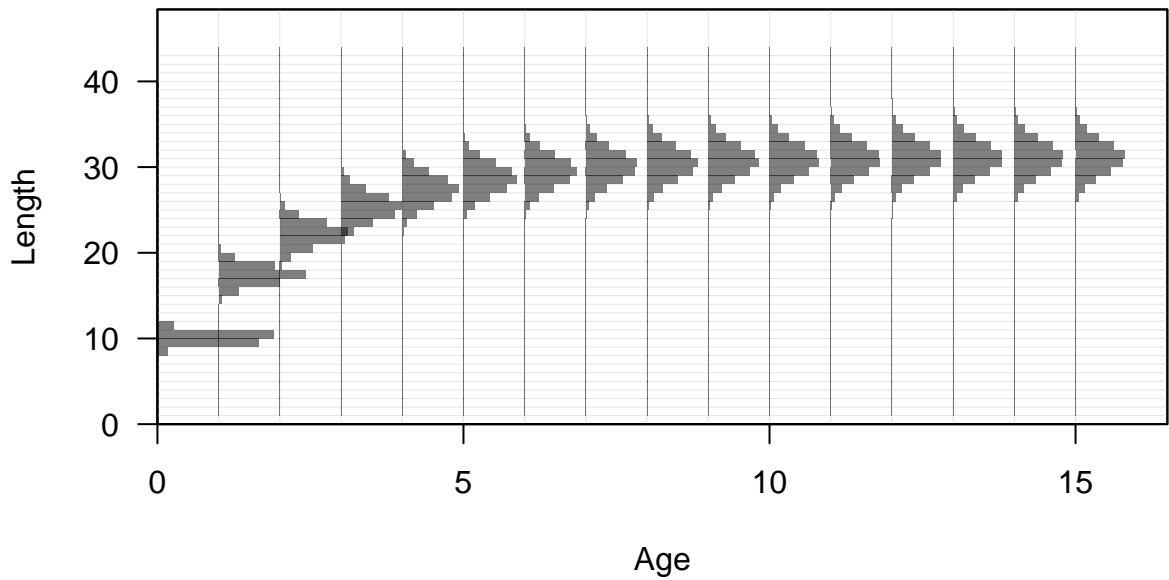




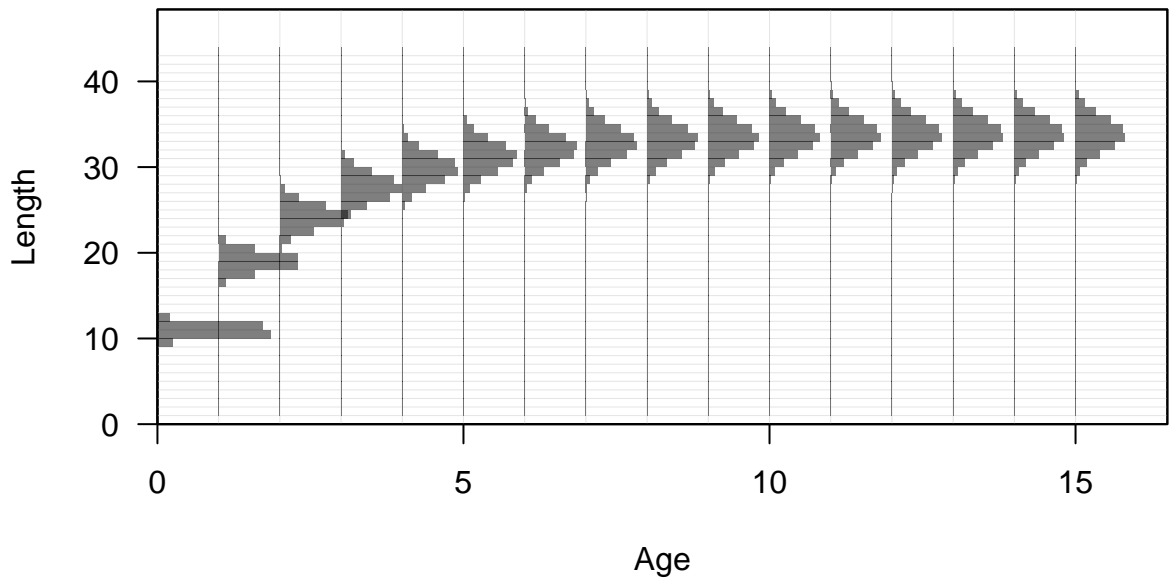


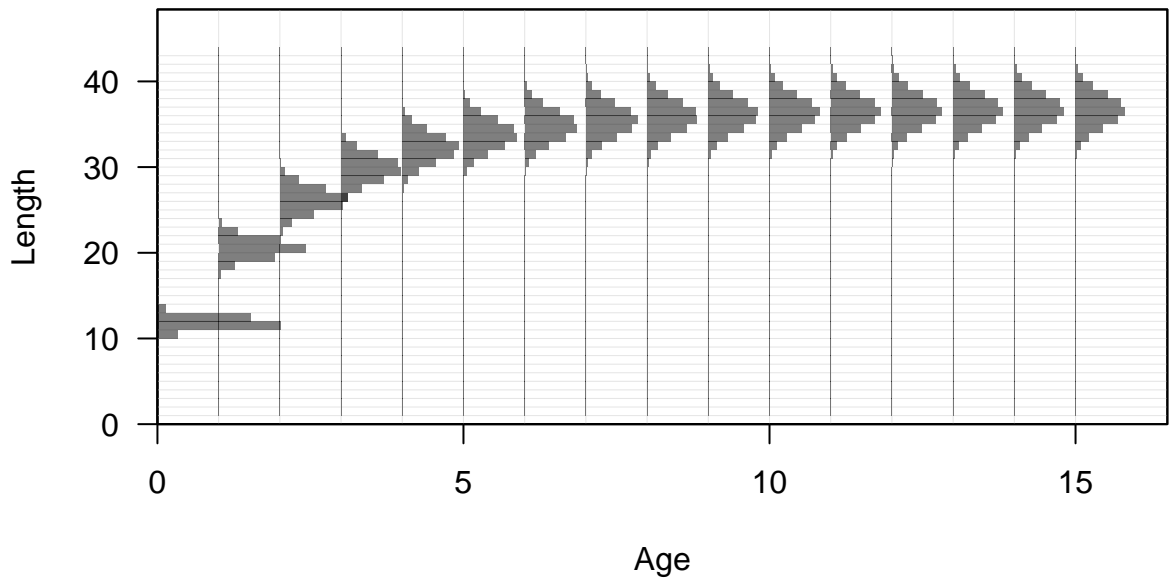


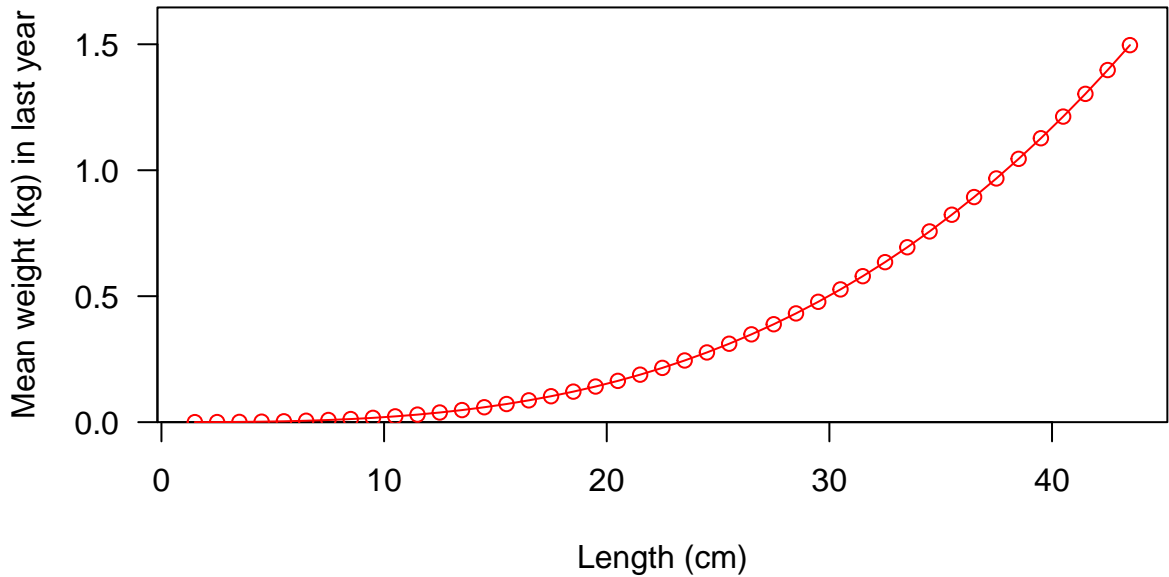


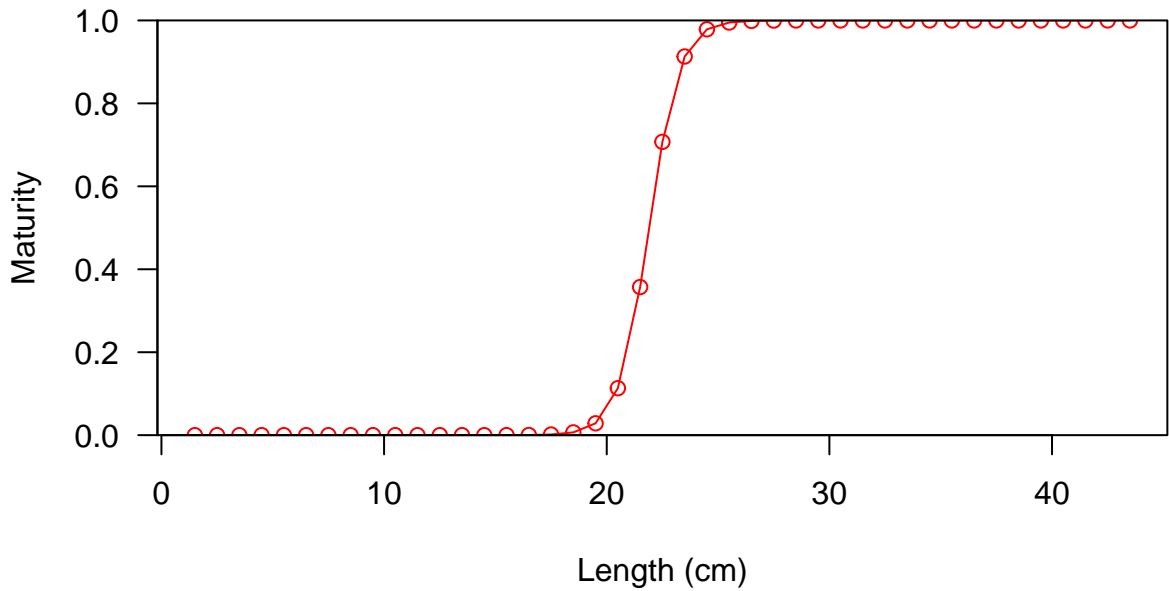


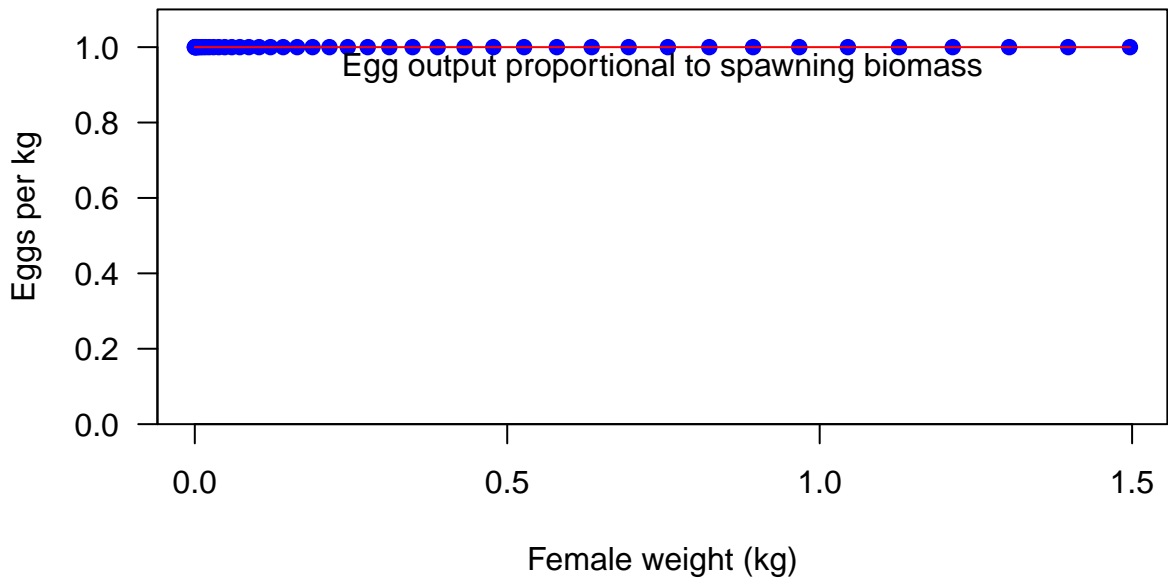


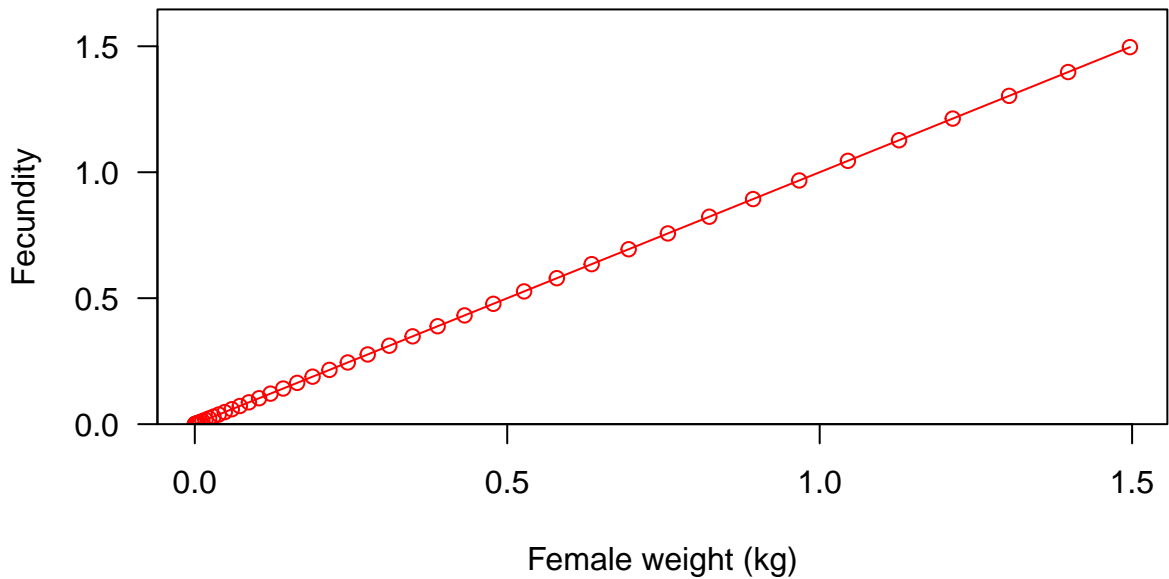


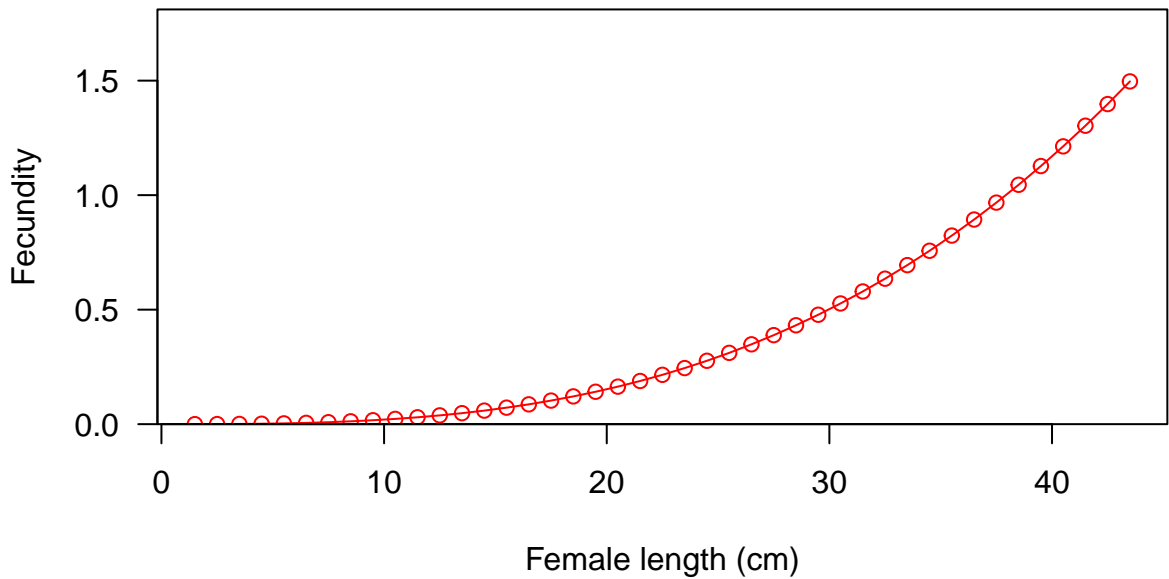


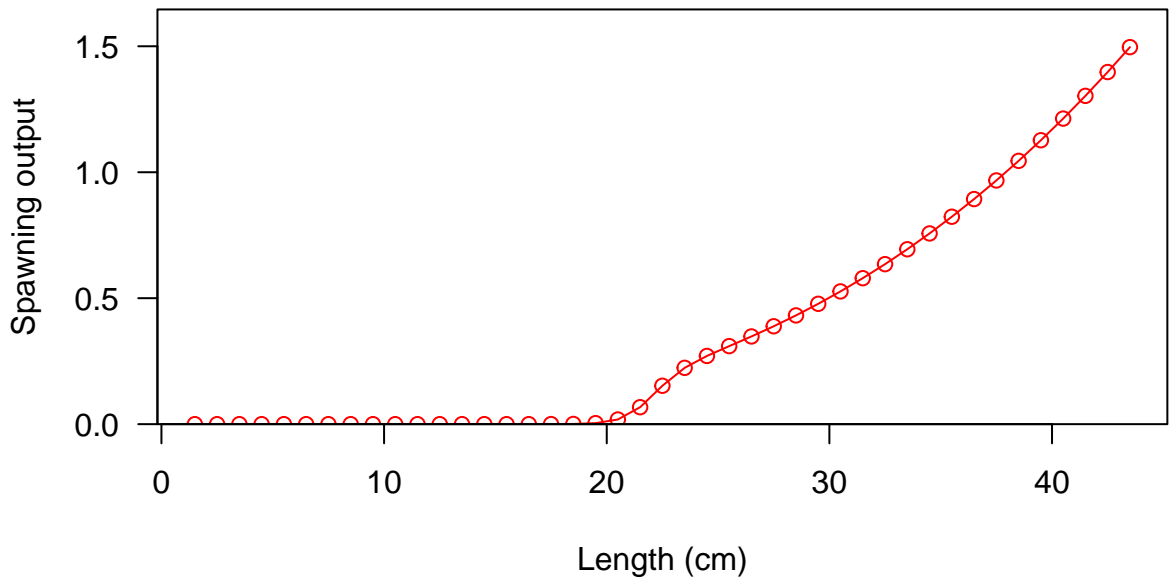




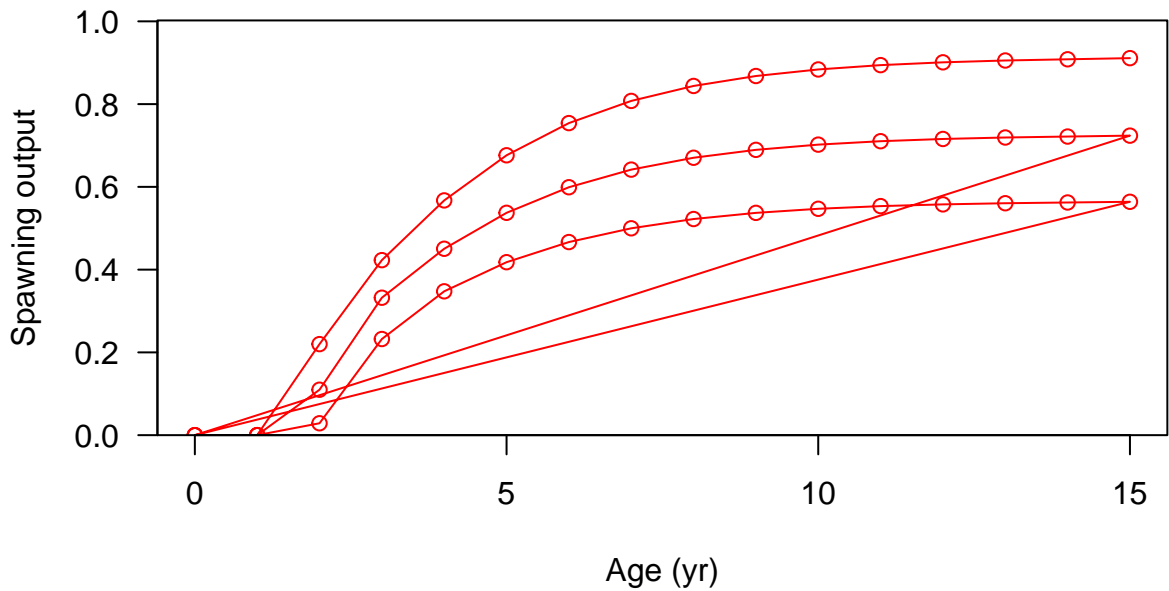




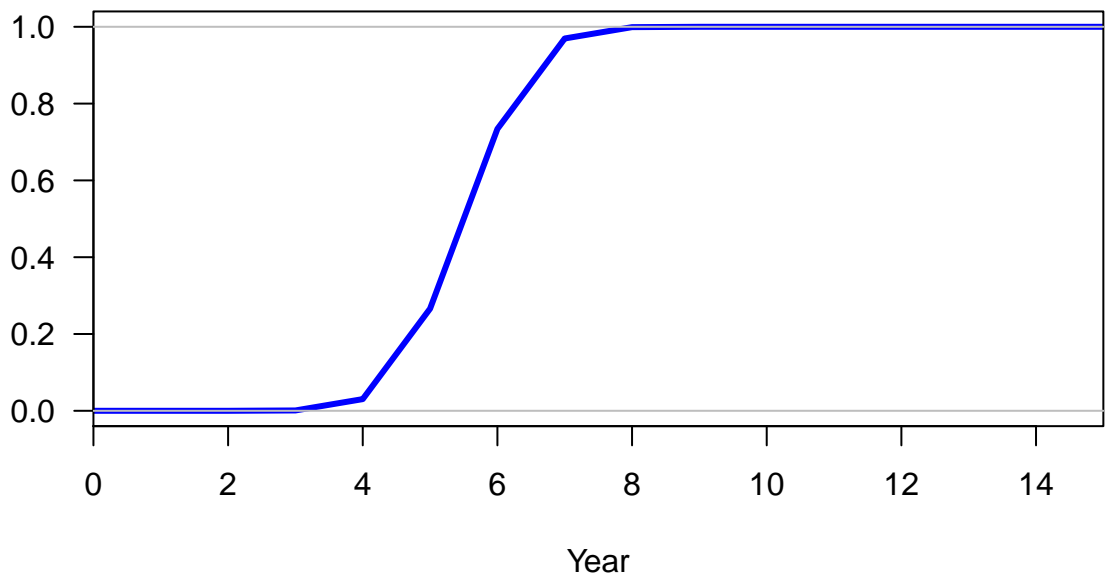




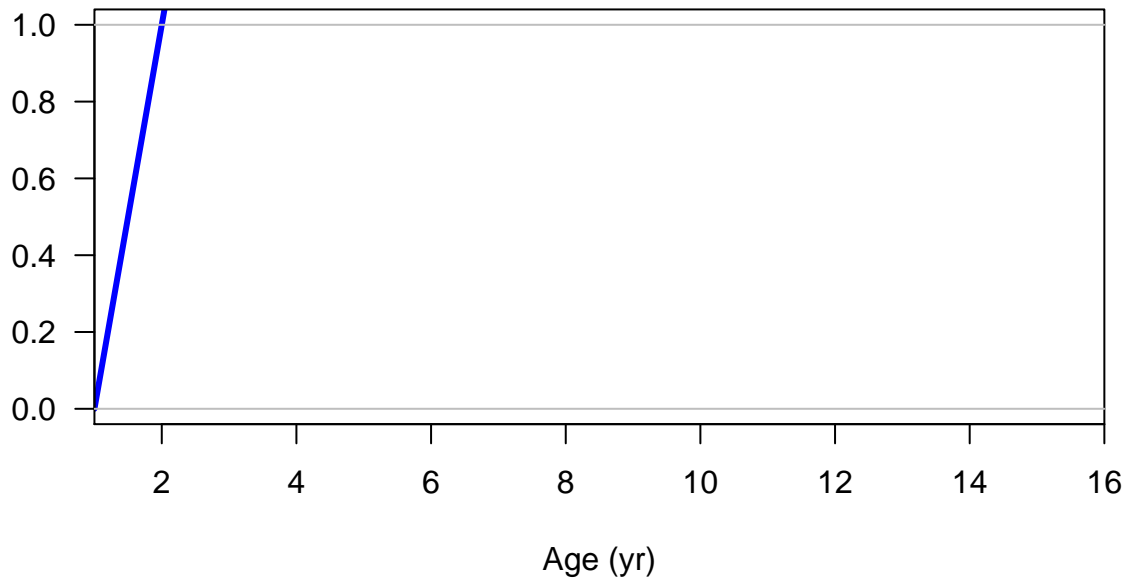




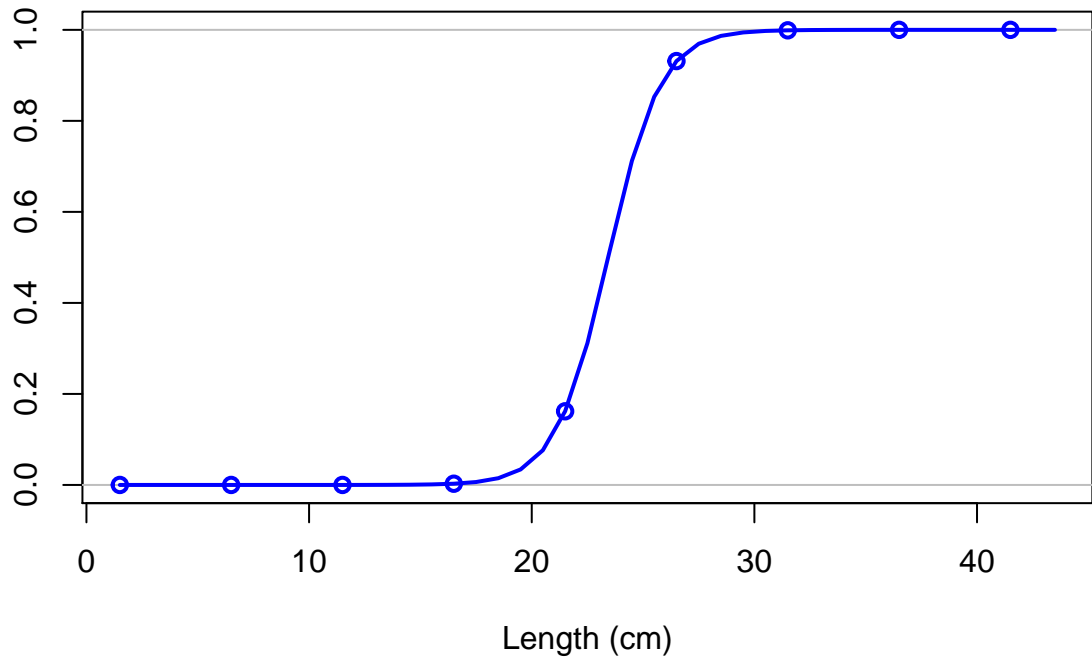
Hermaphroditism transition rate



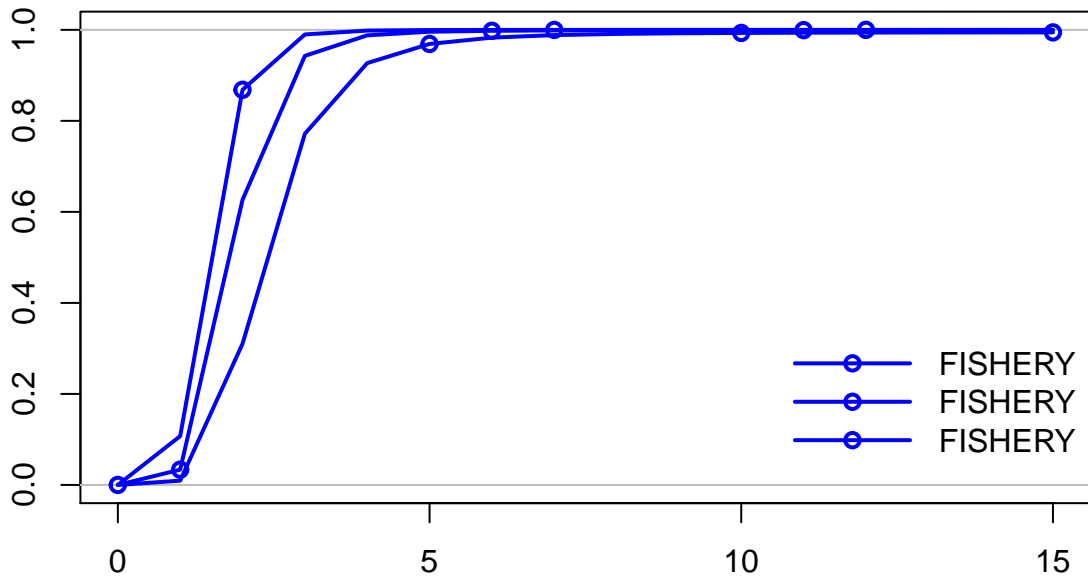
Fraction females by age at equilibrium



Selectivity

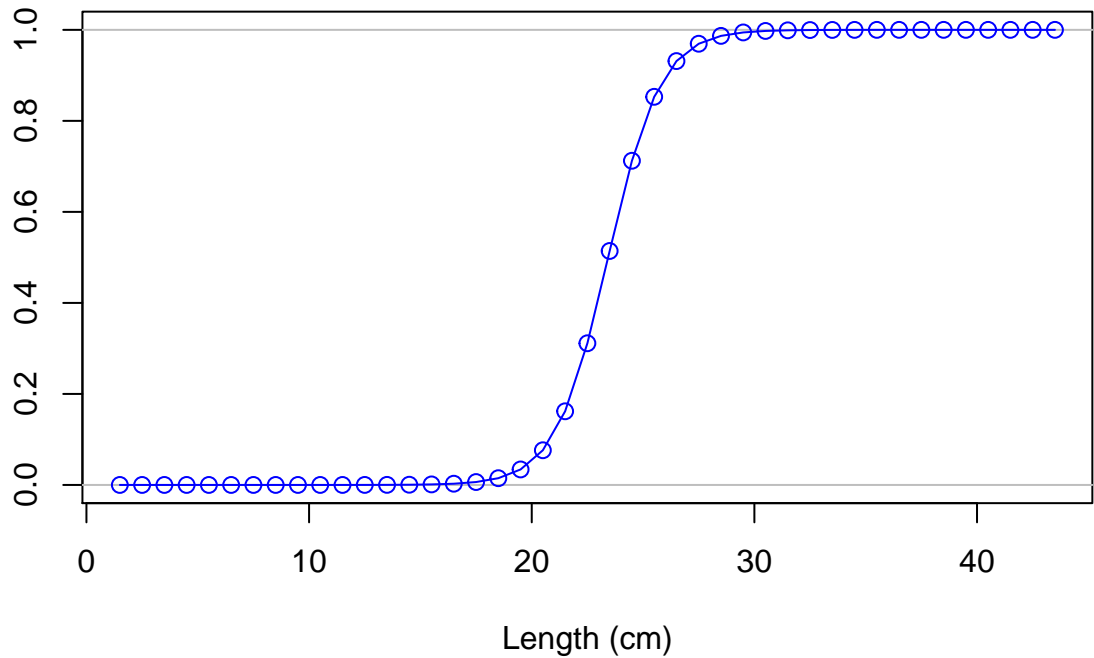


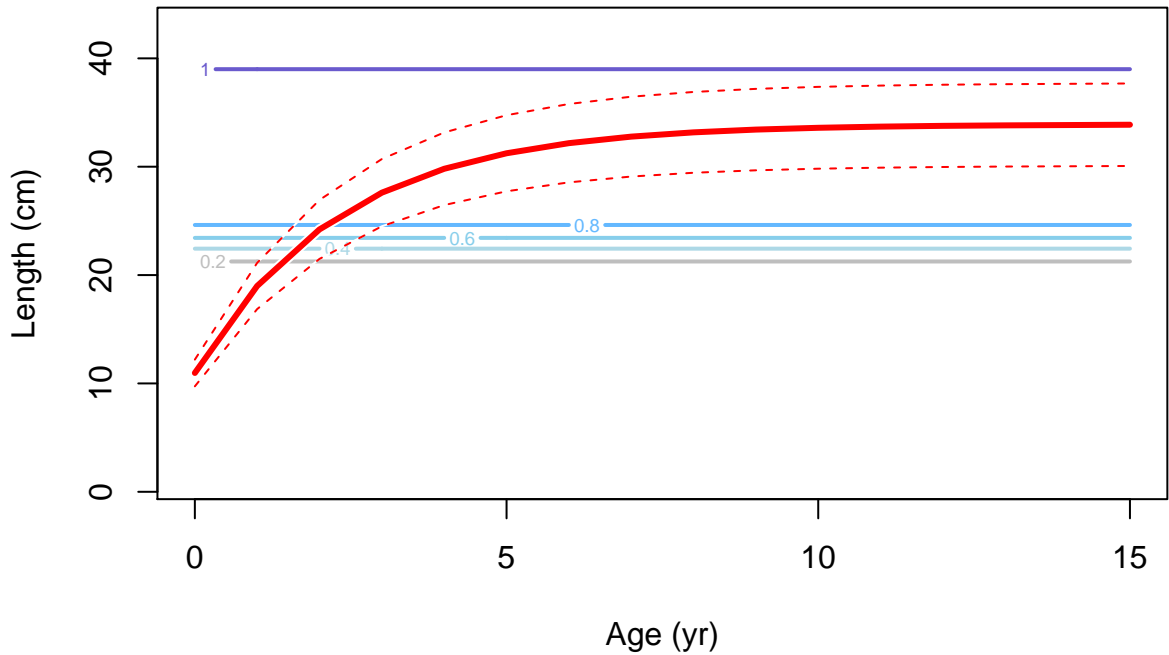
Selectivity

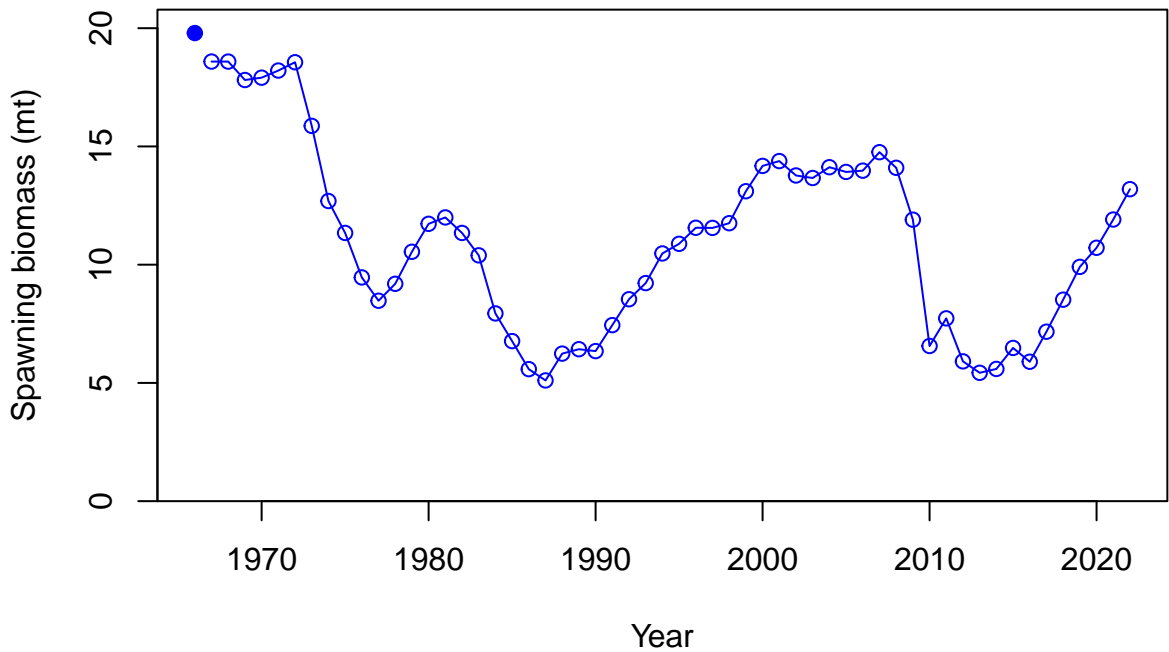


Age (yr)

Selectivity

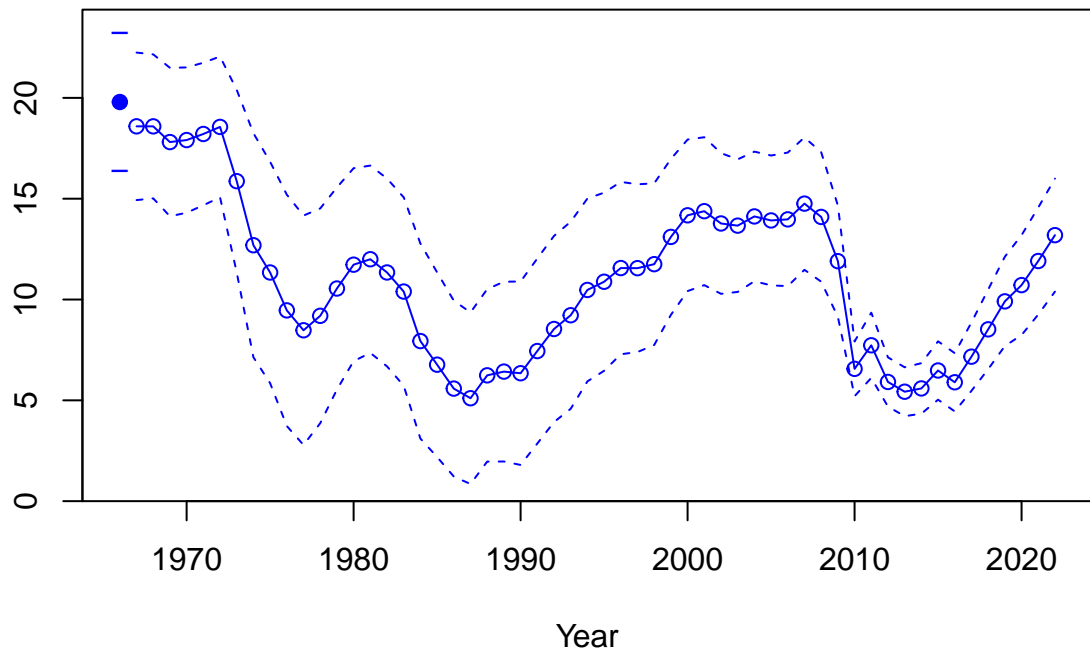




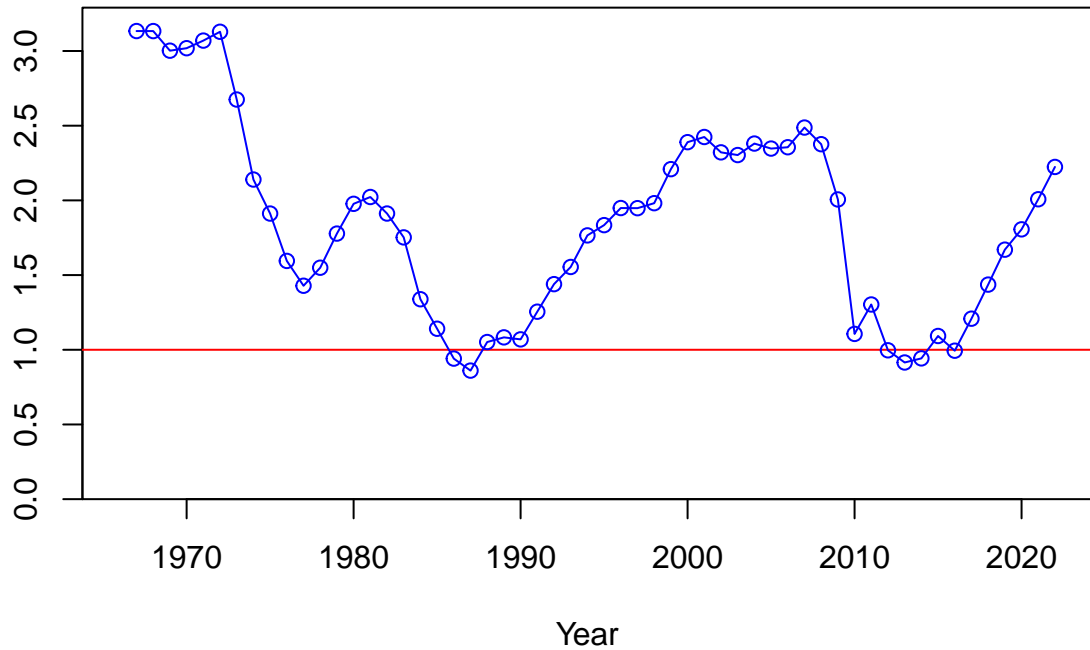




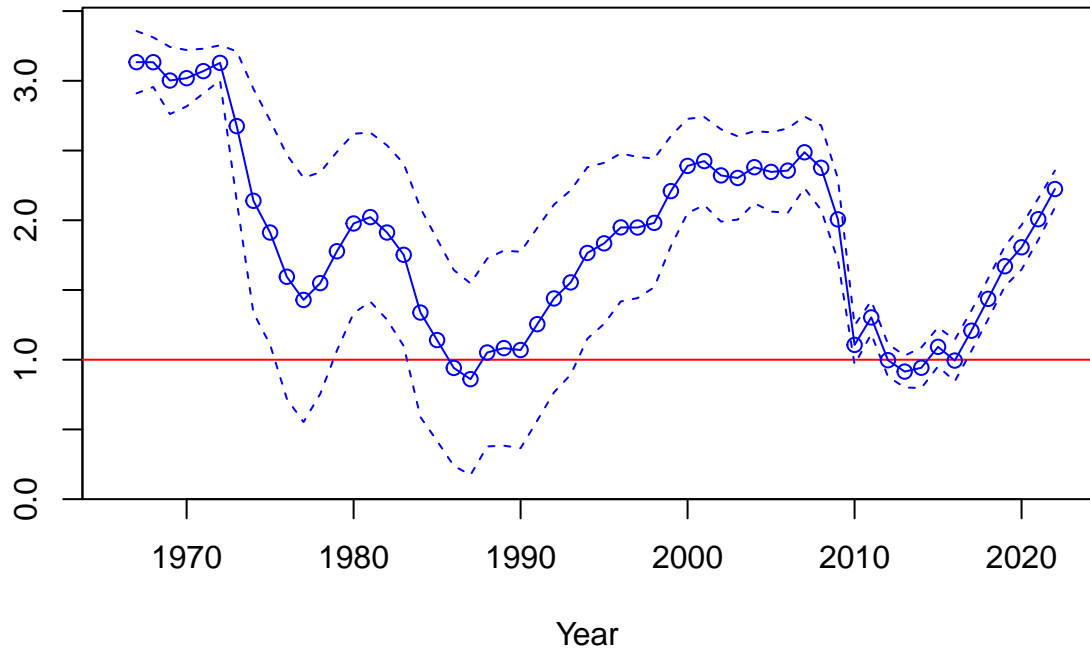
Spawning biomass (mt)

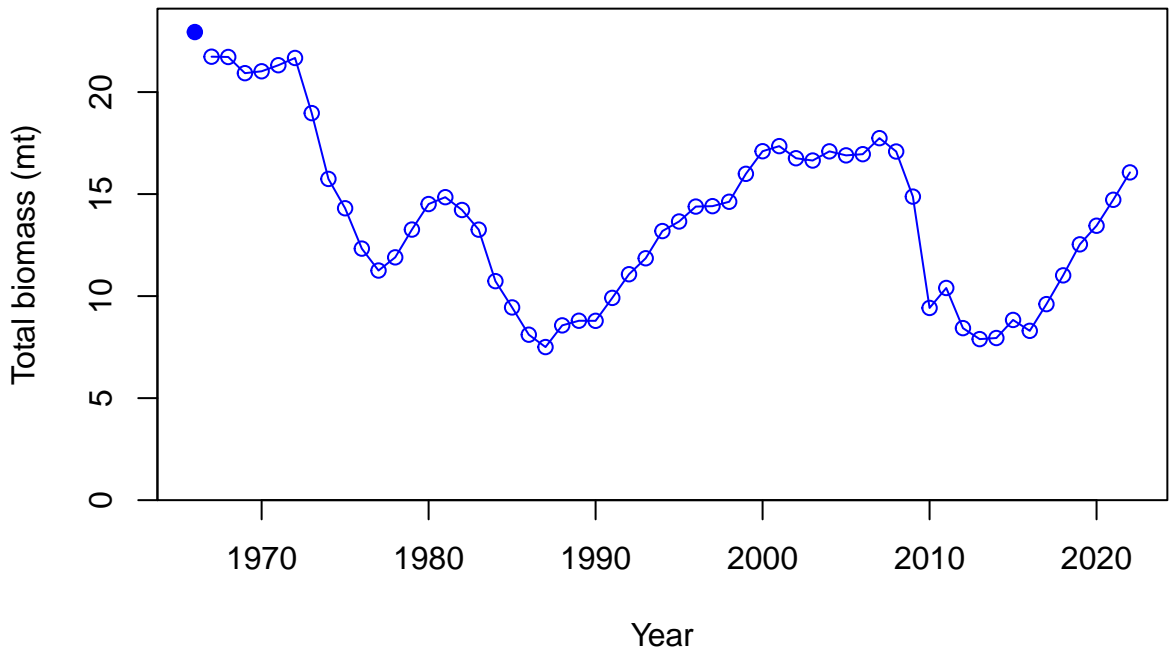


Relative spawning biomass:  $B/B_{MSY}$

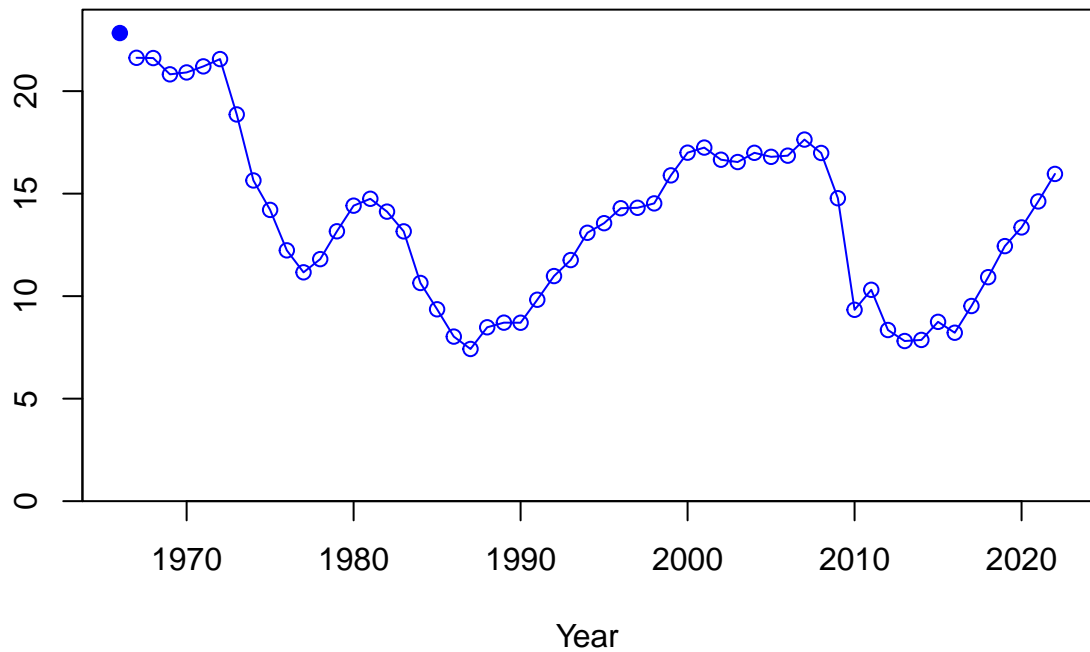


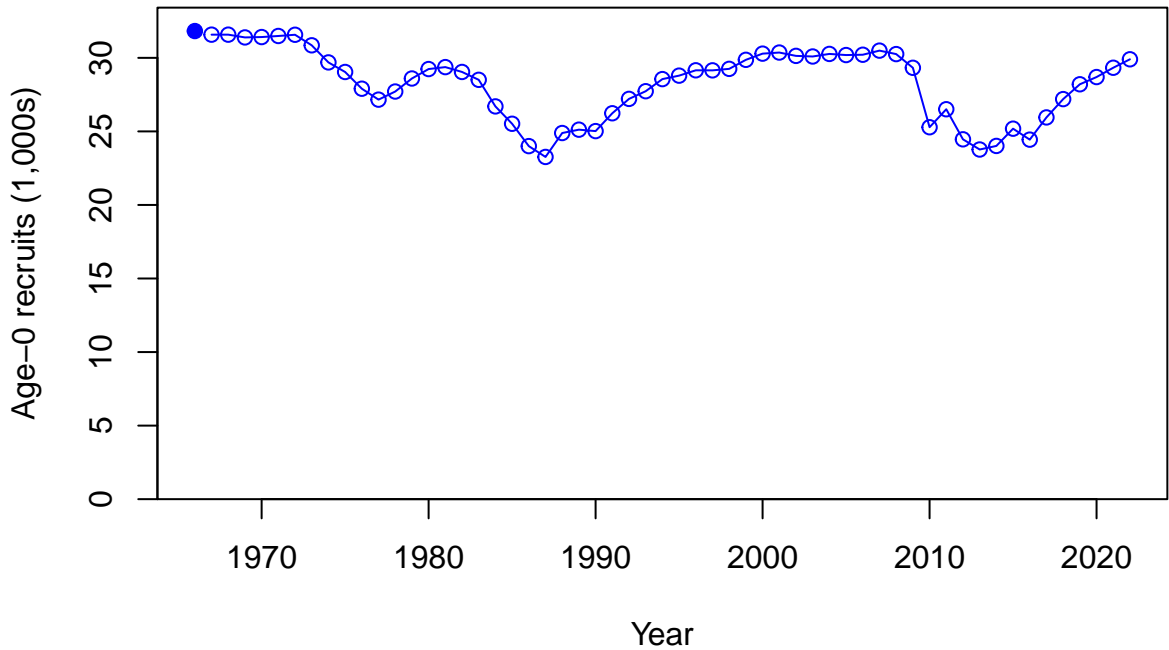
Relative spawning biomass:  $B/B_{MSY}$



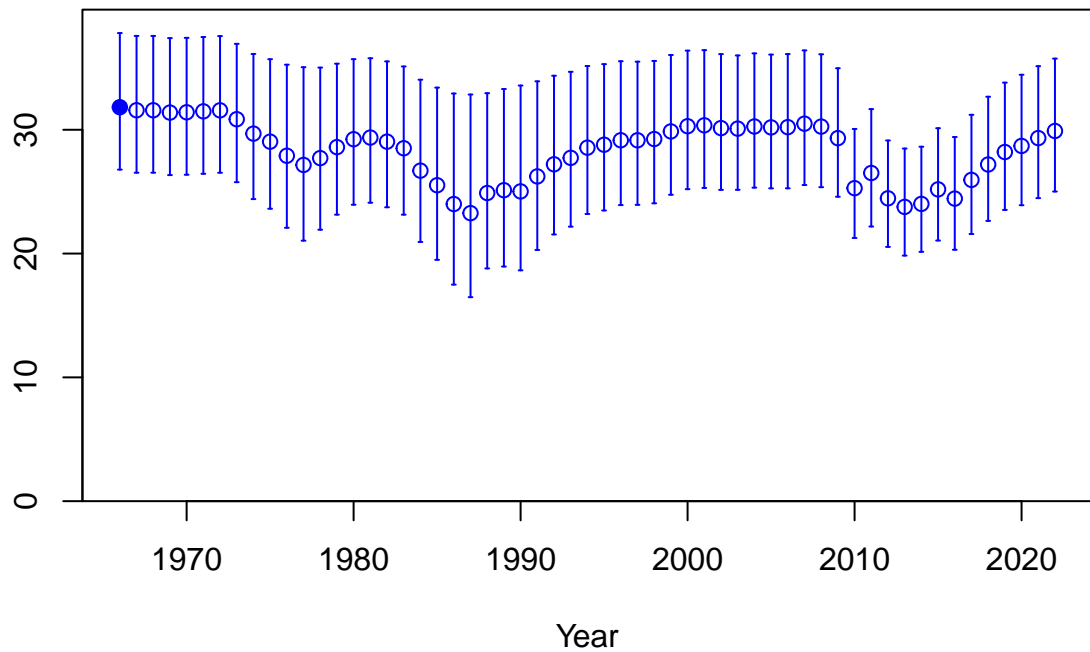


Summary biomass (mt)

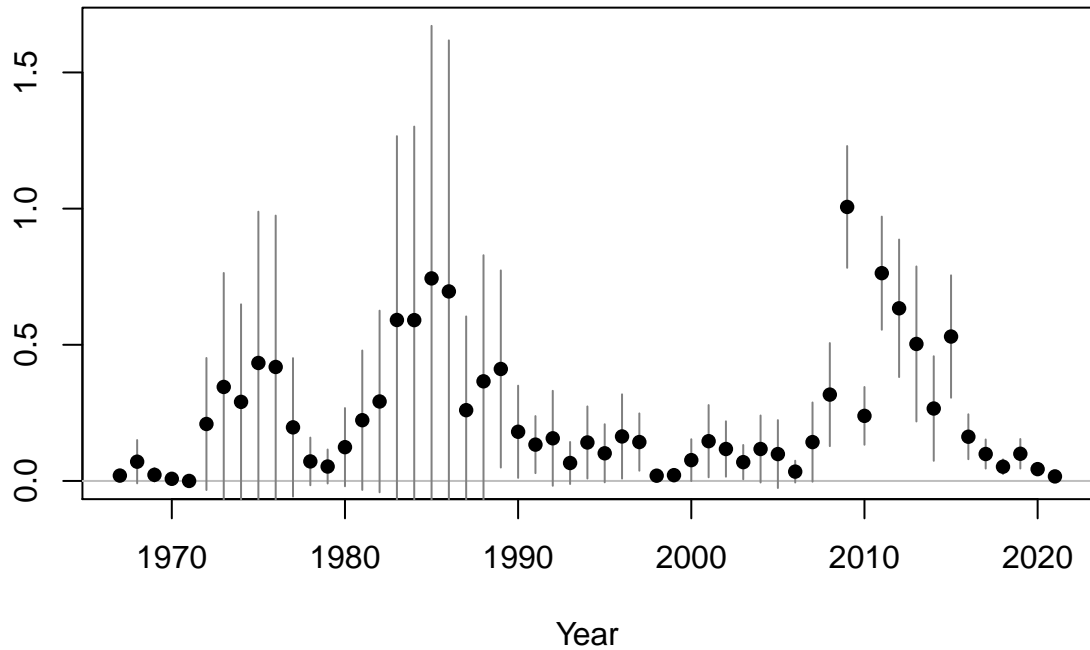




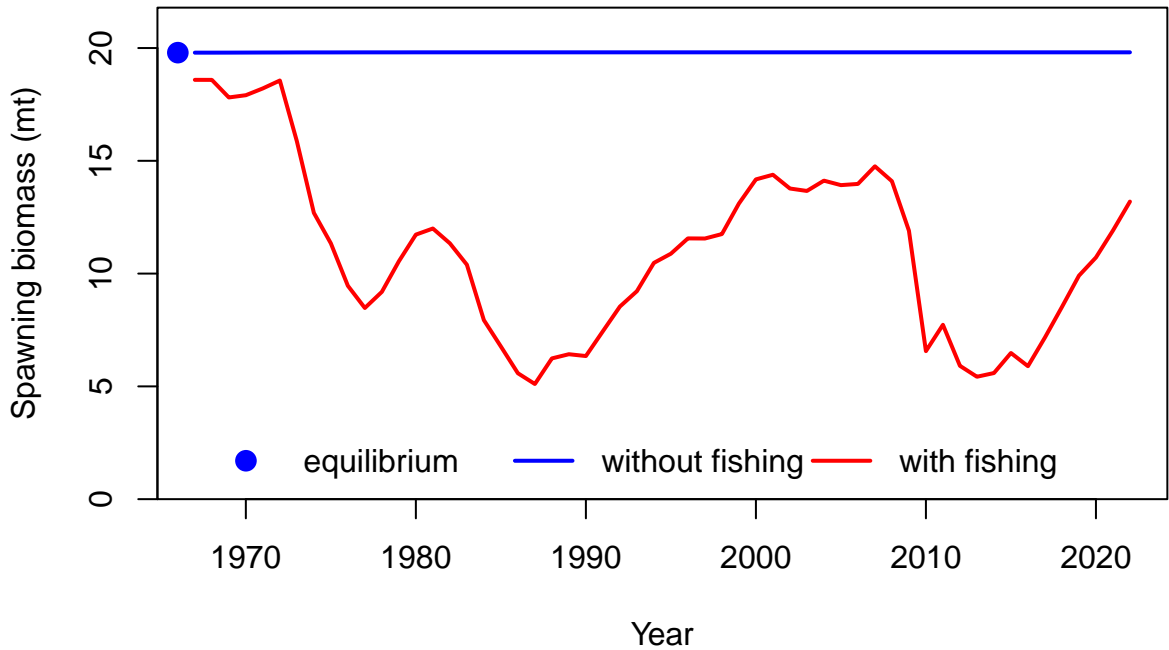
Age-0 recruits (1,000s)

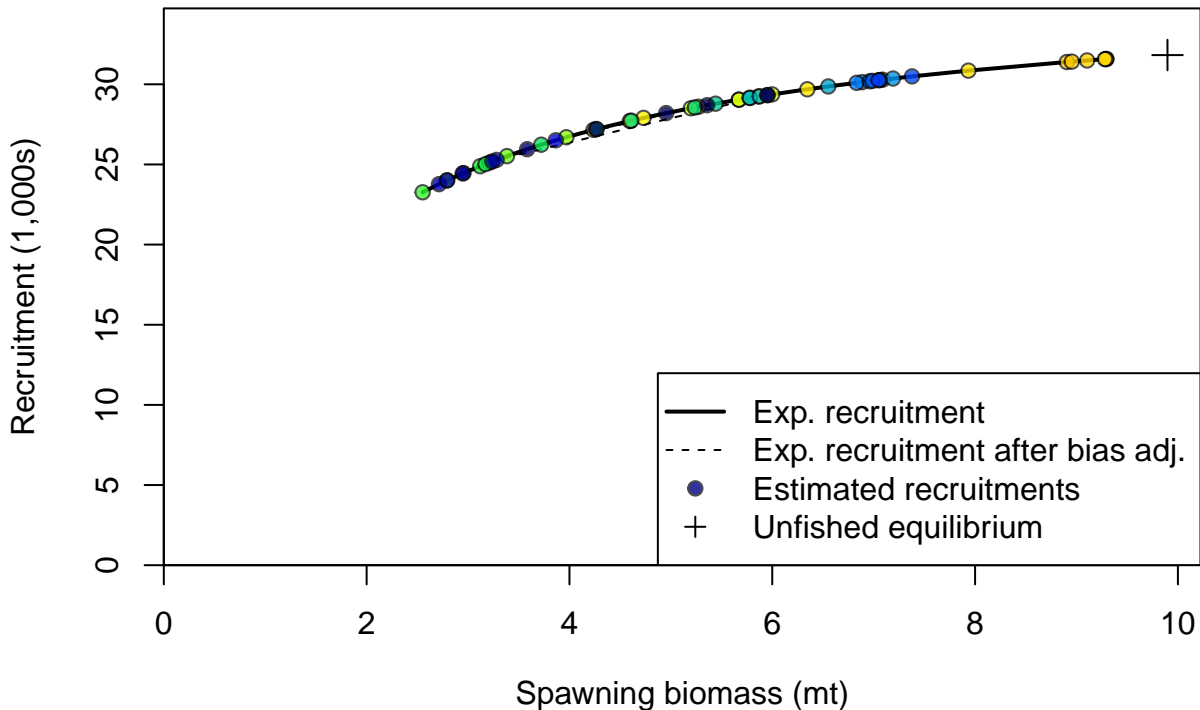


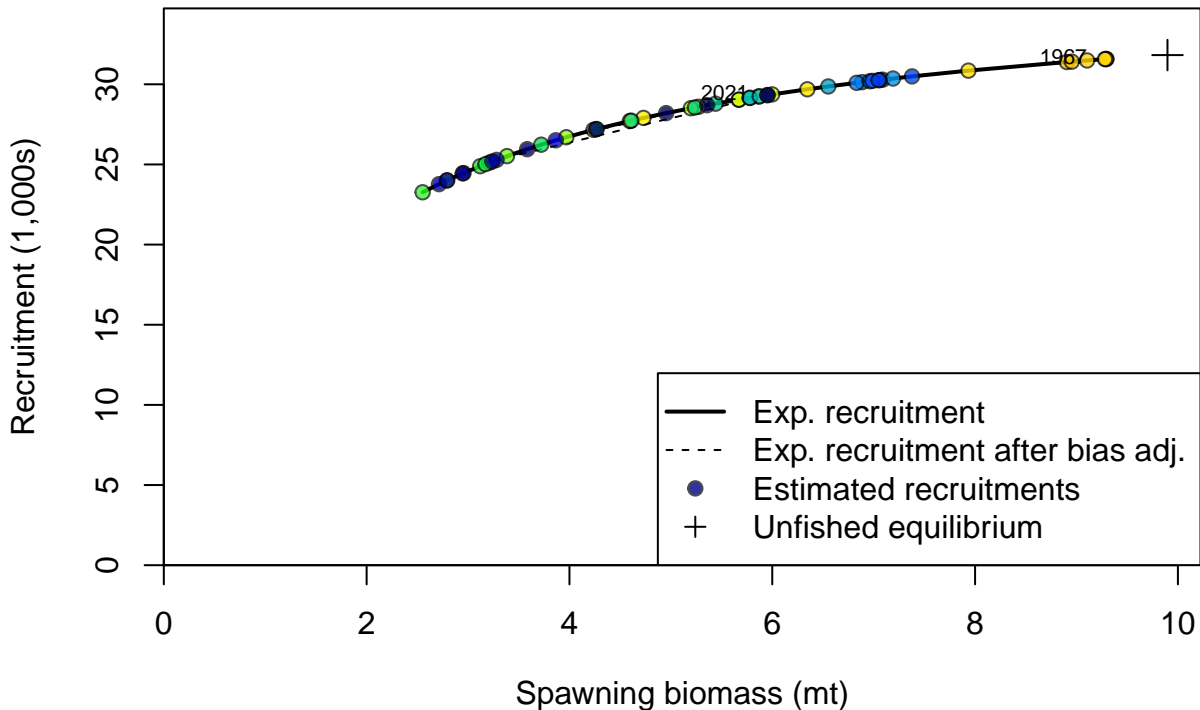
Summary Fishing Mortality

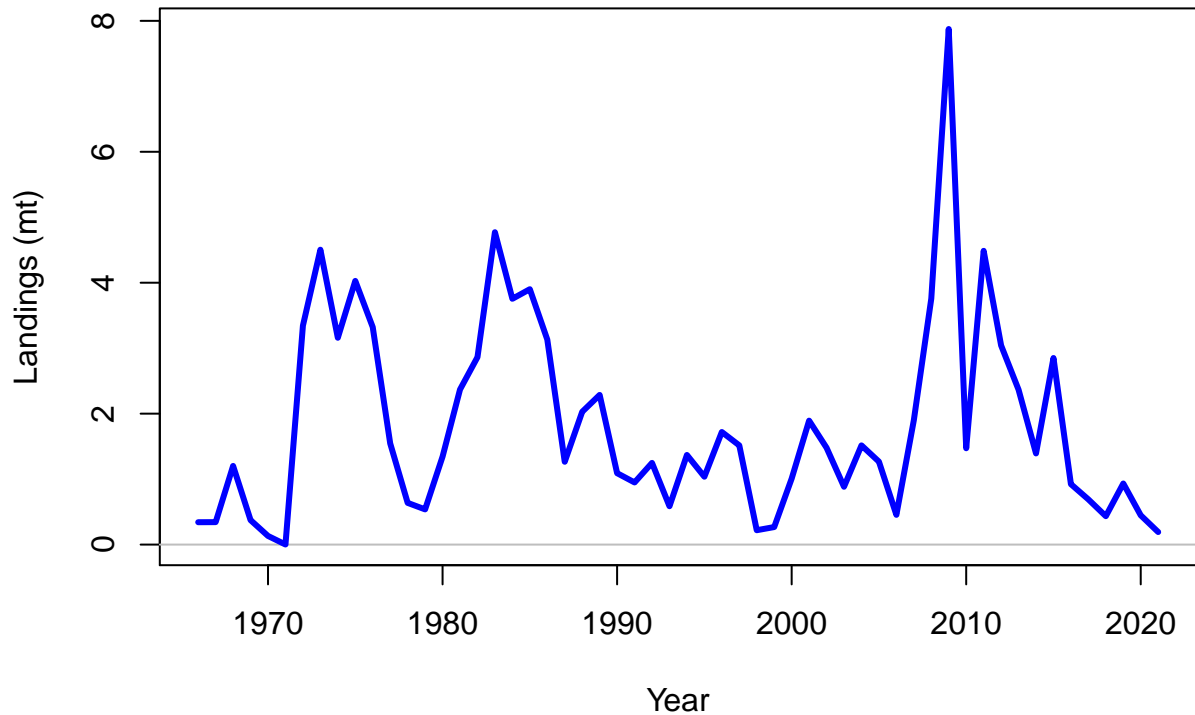


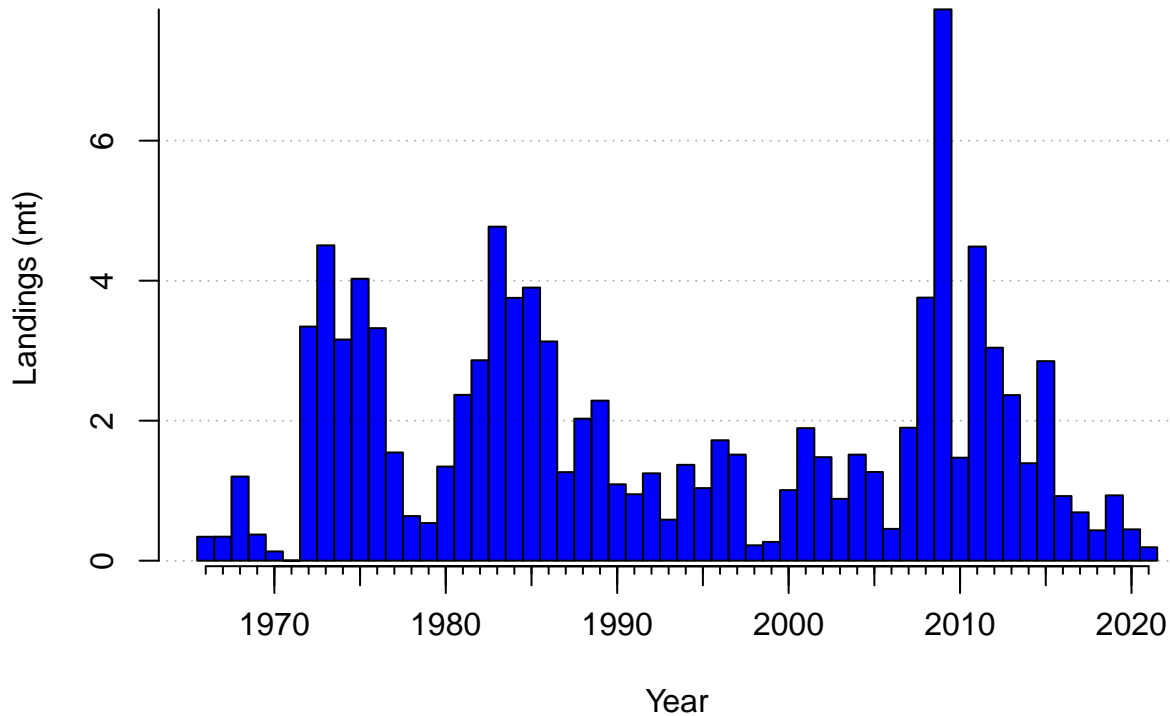




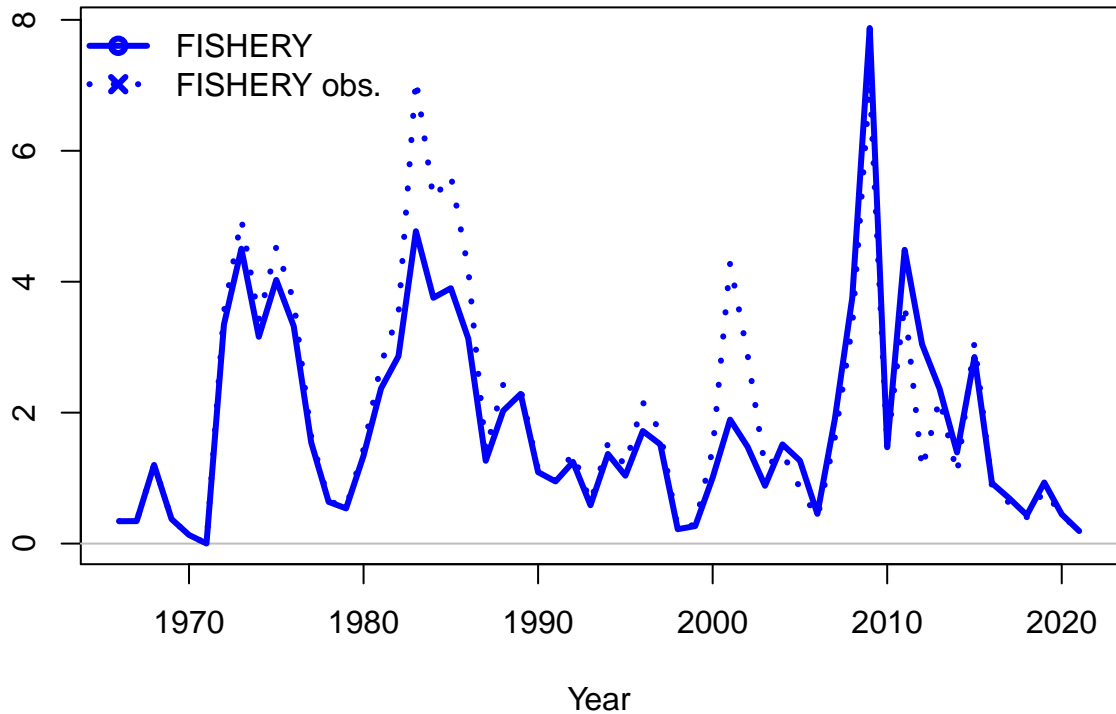


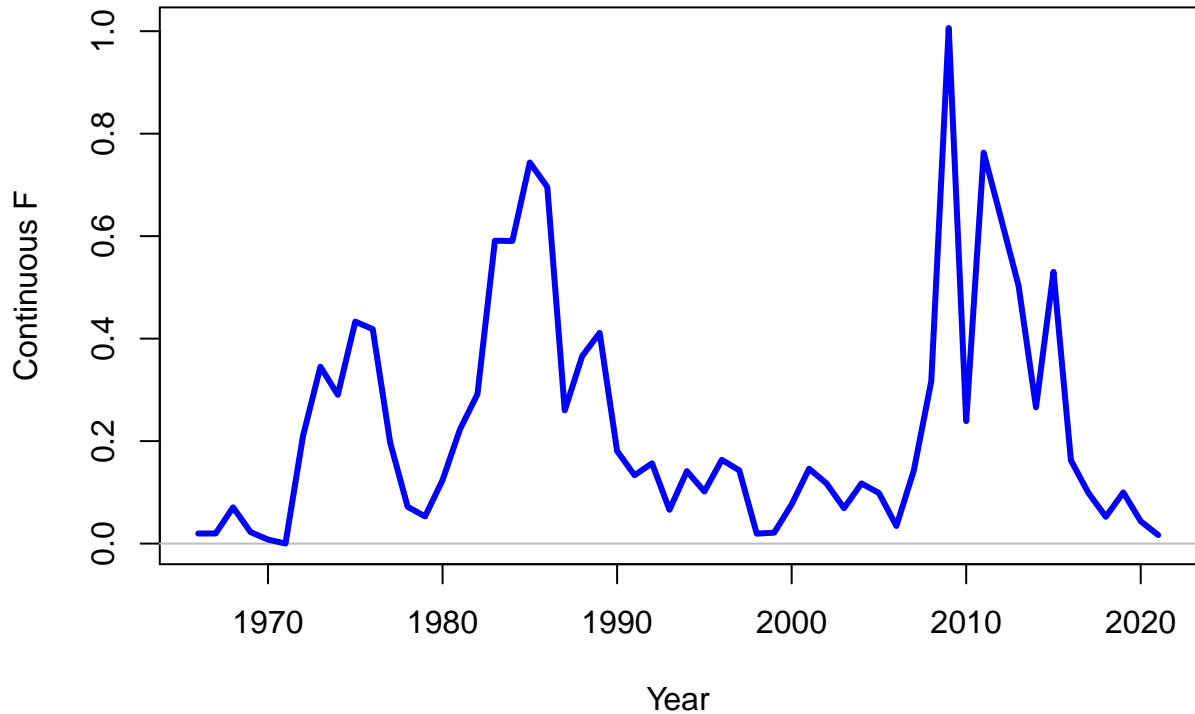




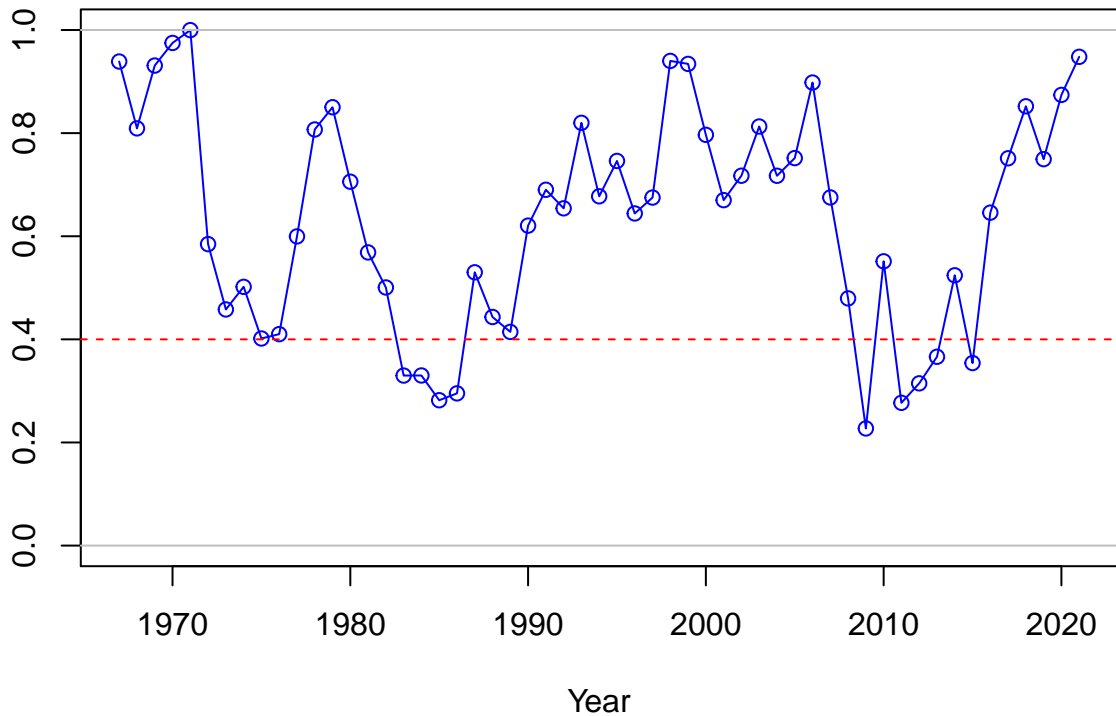


Observed and expected Landings (mt)



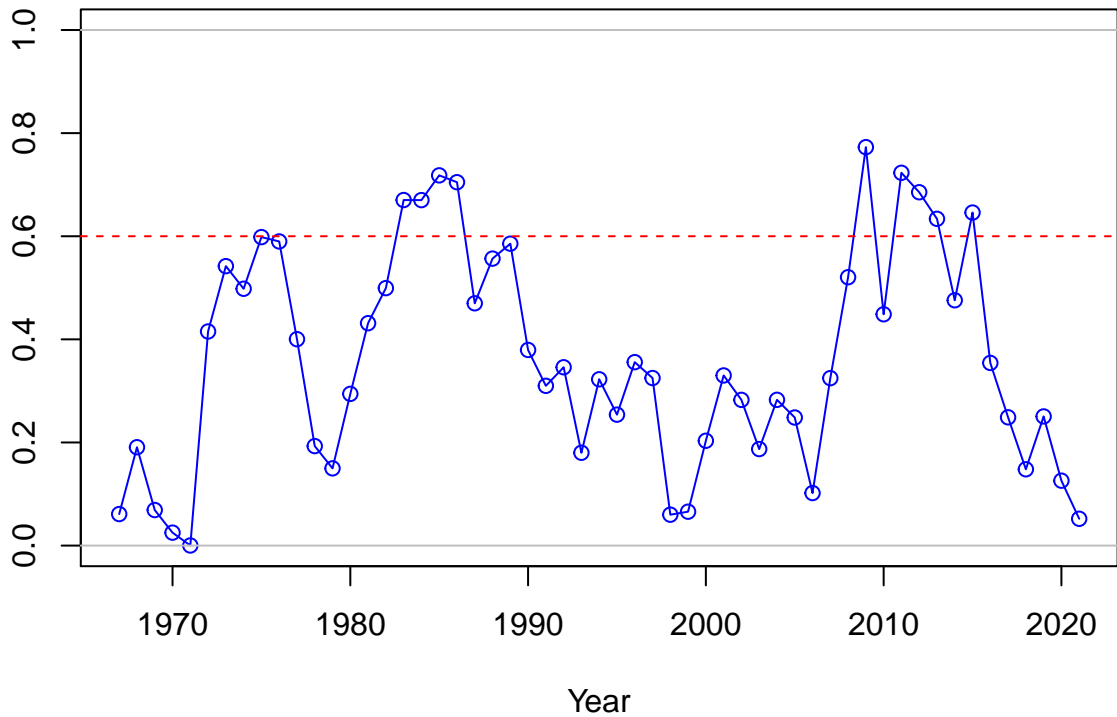


SPR

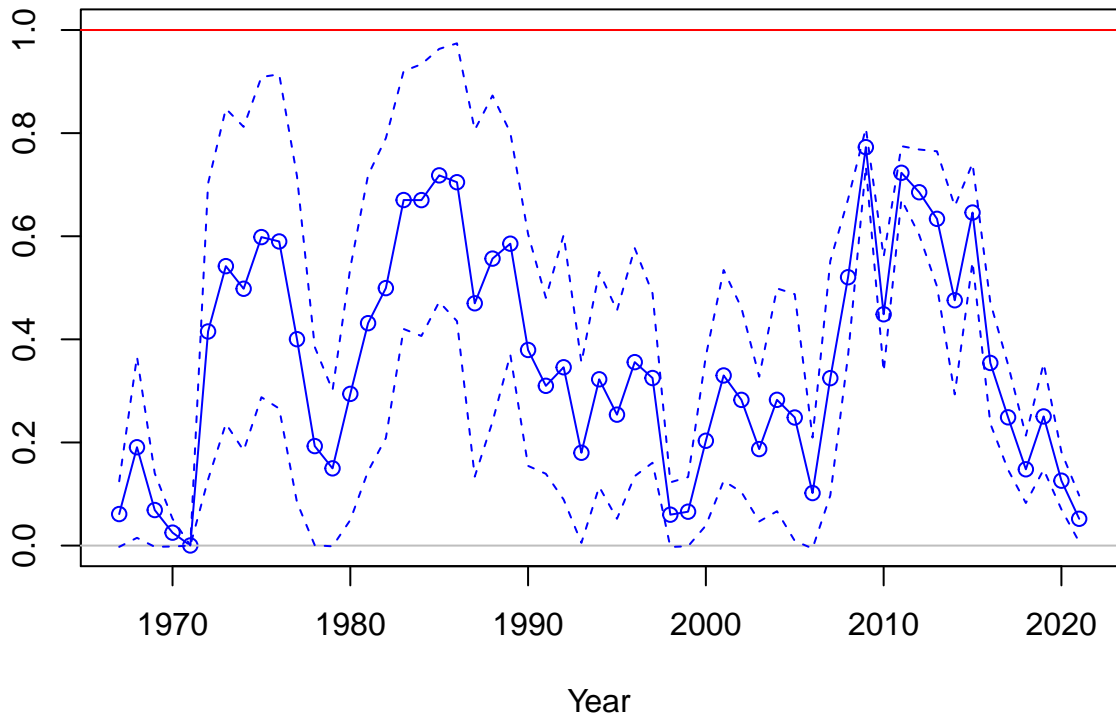




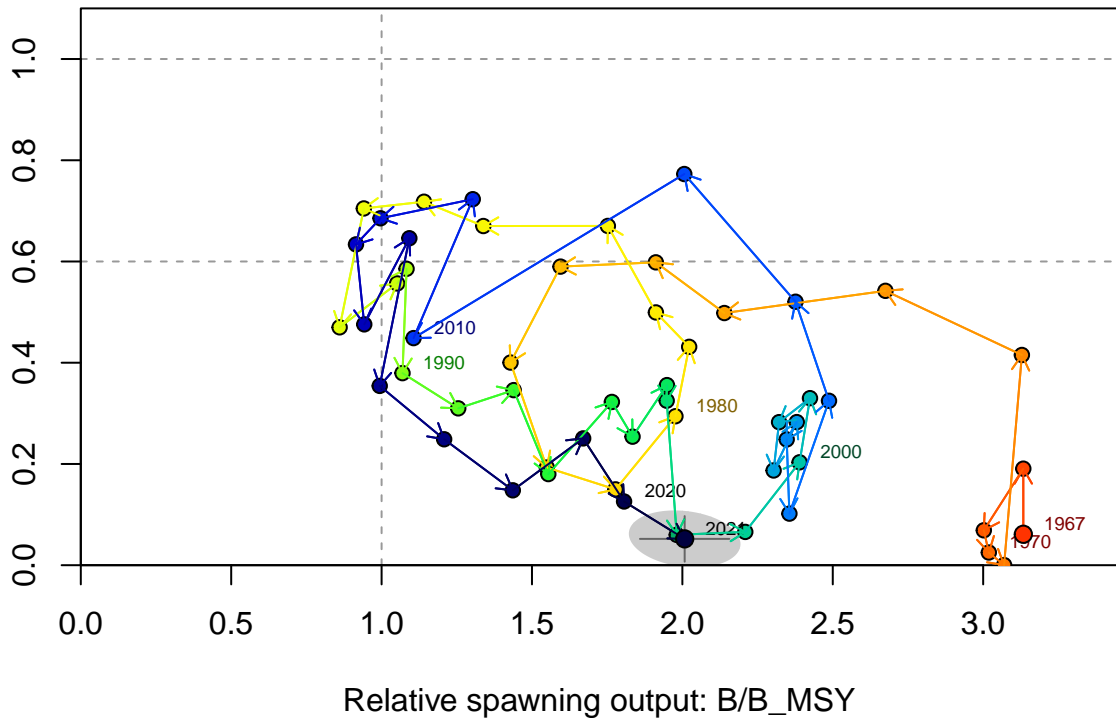
1-SPR



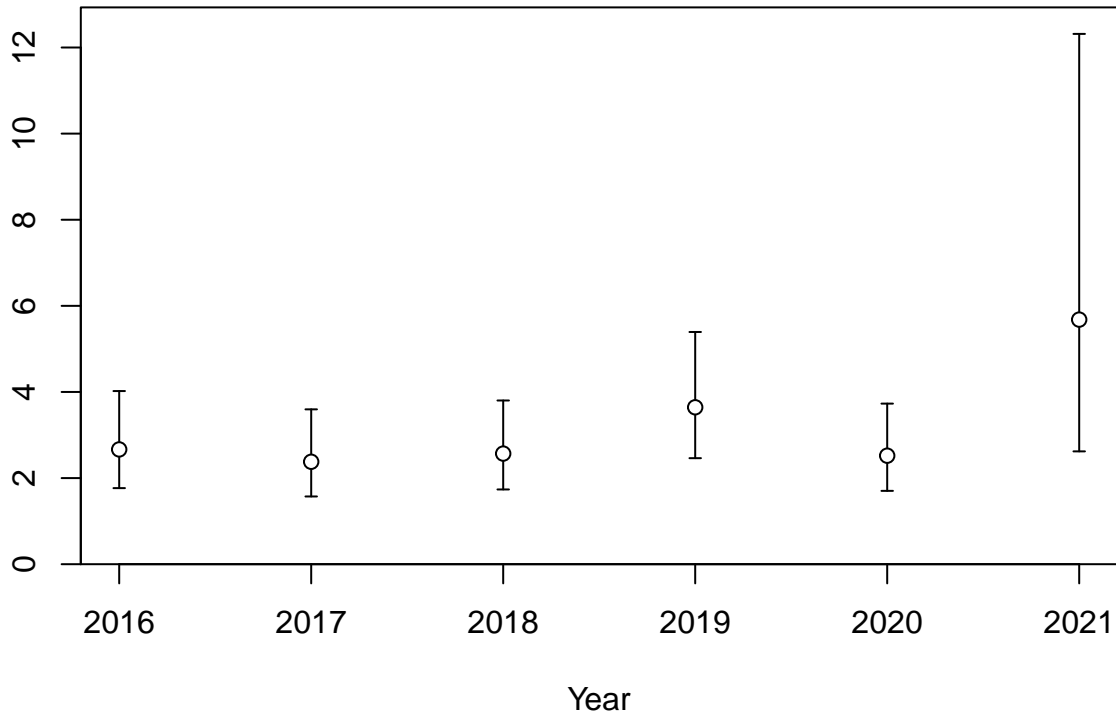
Fishing intensity: 1-SPR



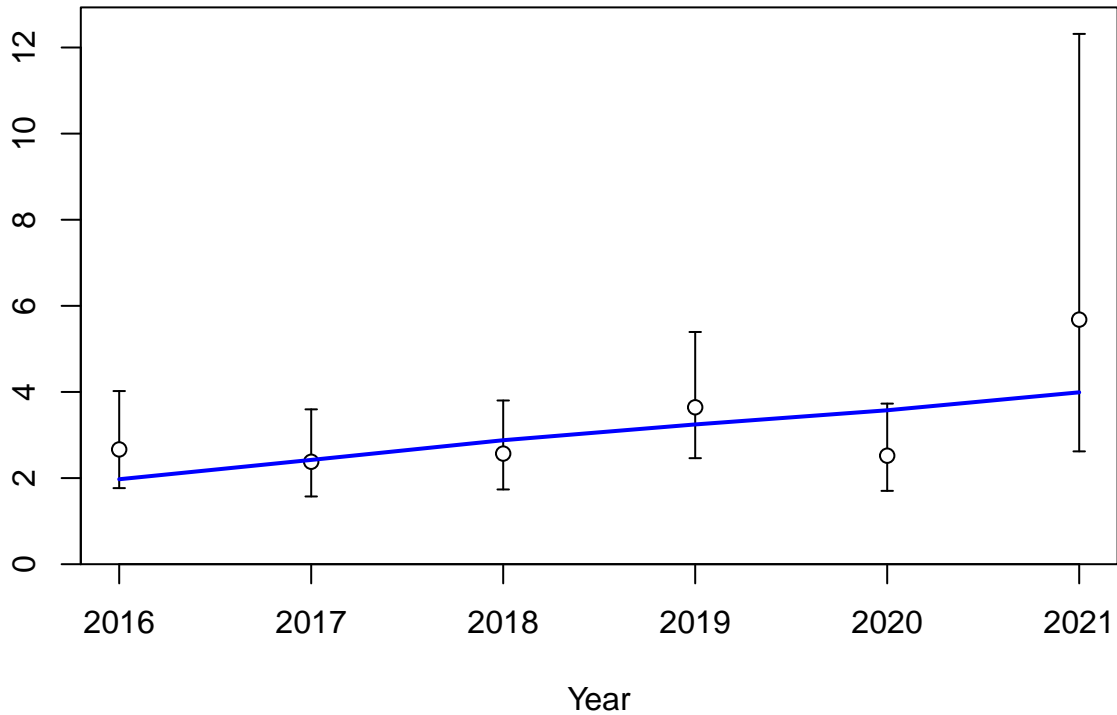
Fishing intensity: 1-SPR

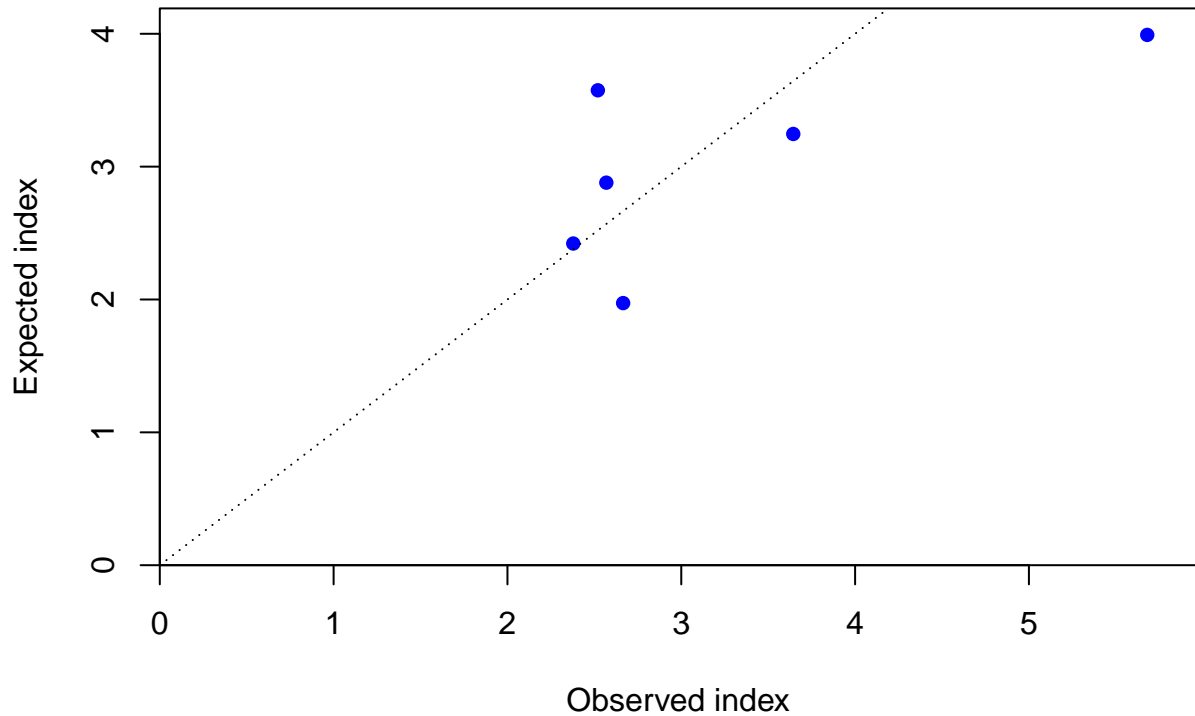


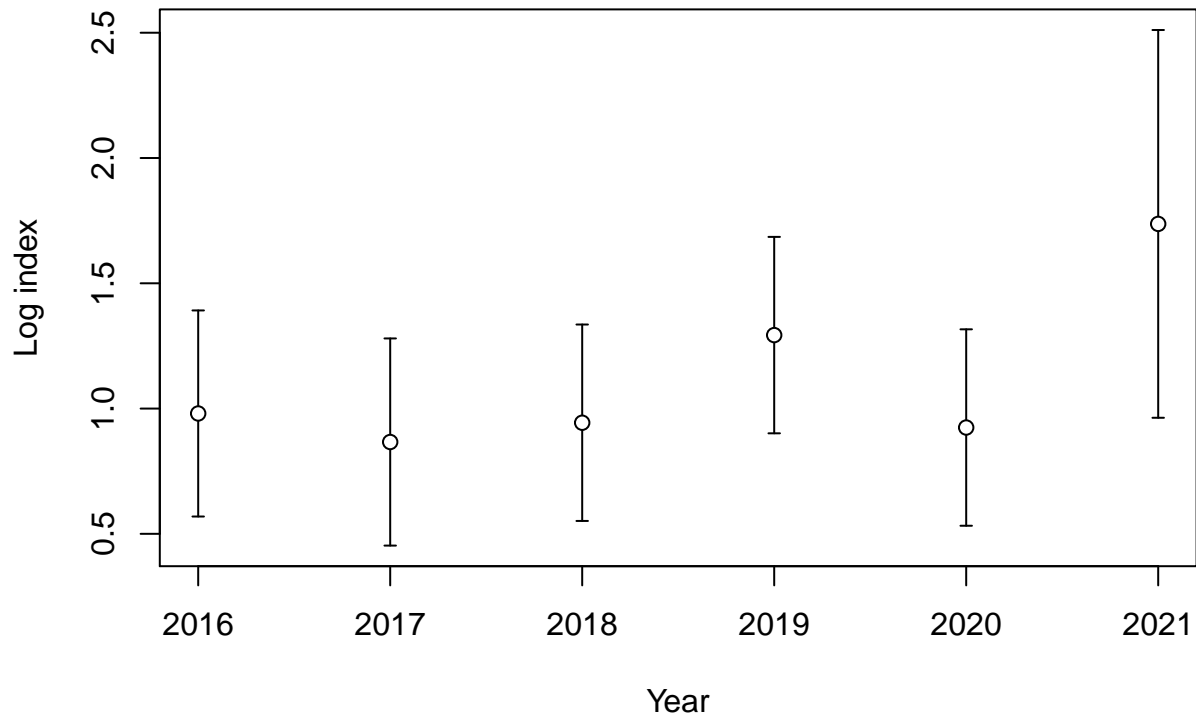
Index

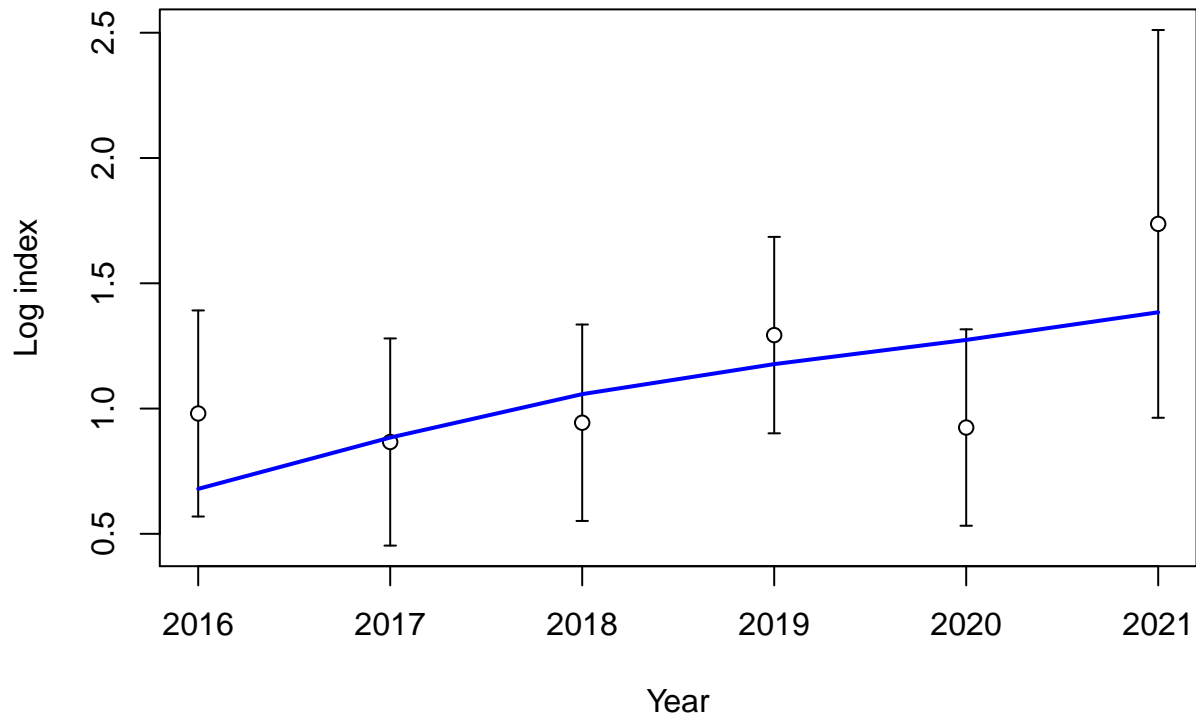


Index





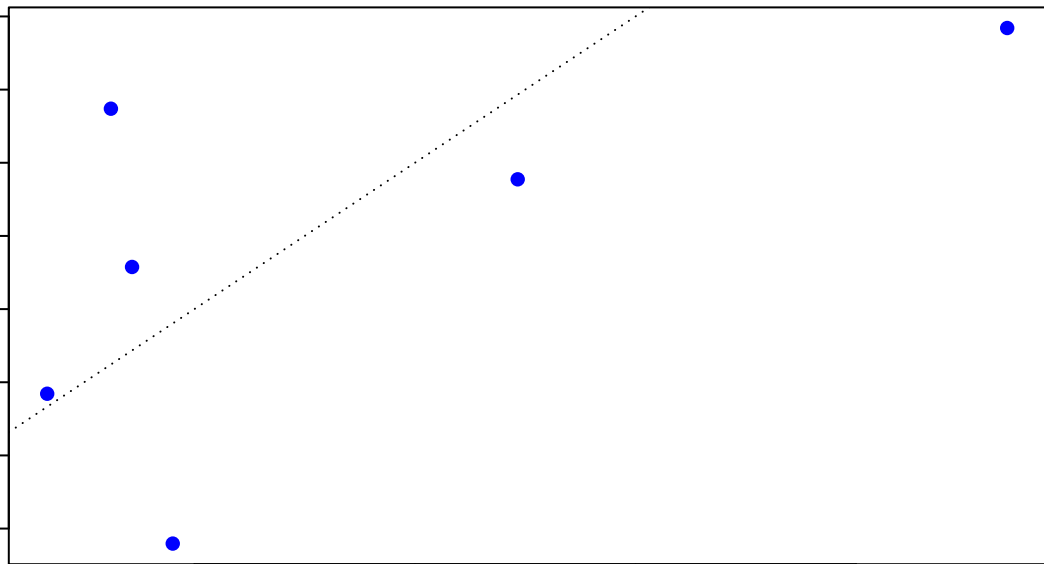






Log expected index

0.7  
0.8  
0.9  
1.0  
1.1  
1.2  
1.3  
1.4



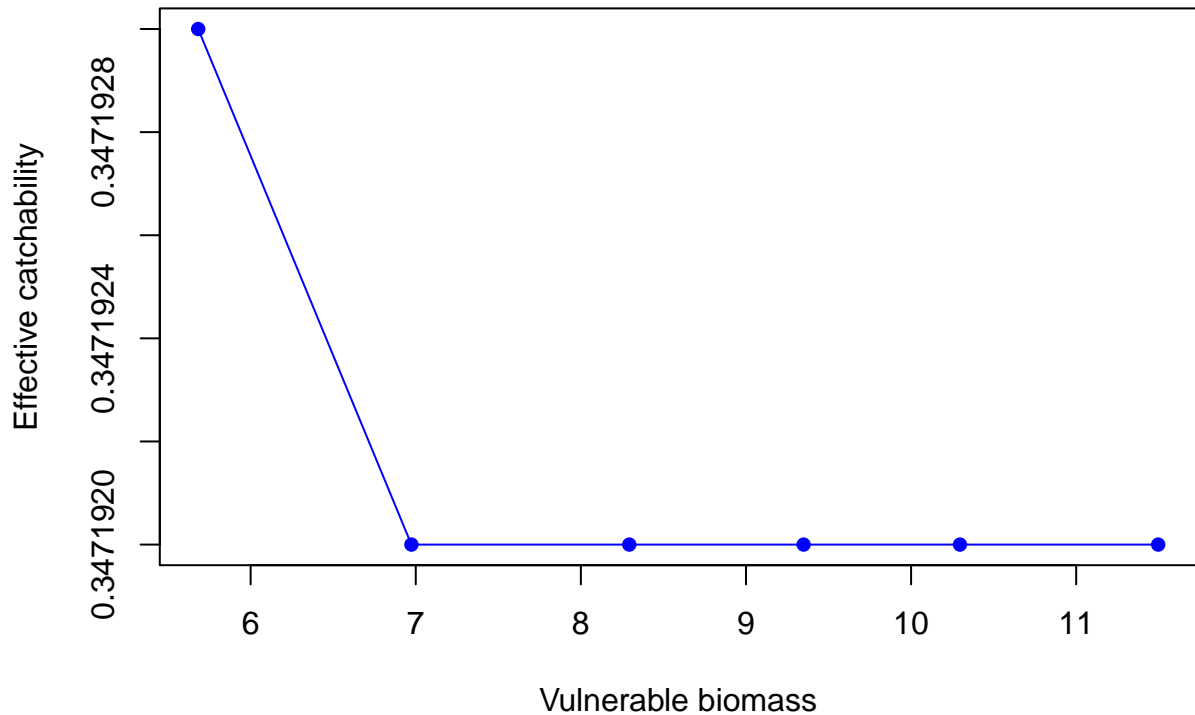
1.0

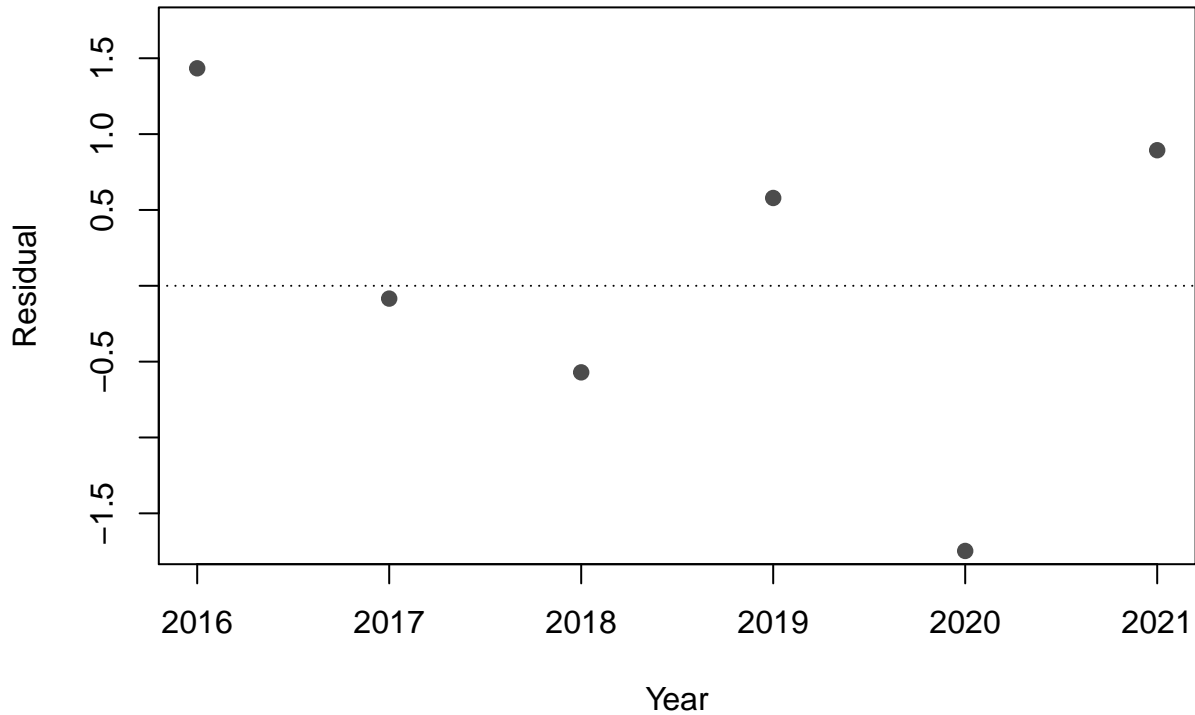
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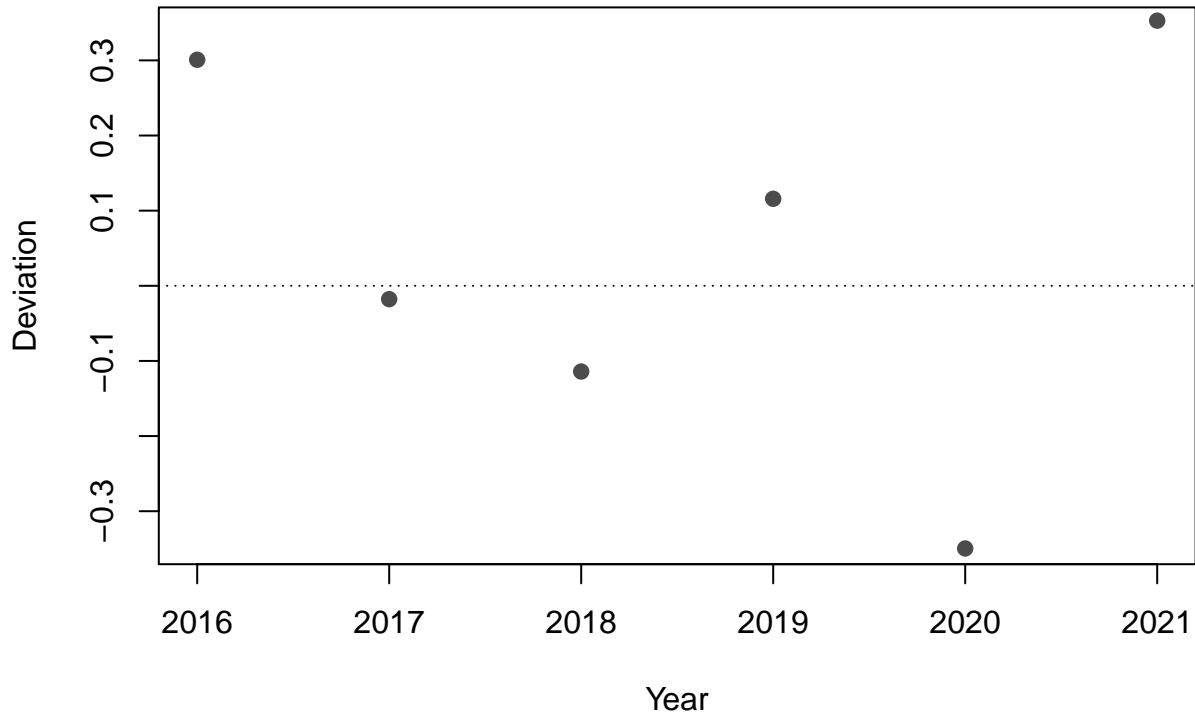
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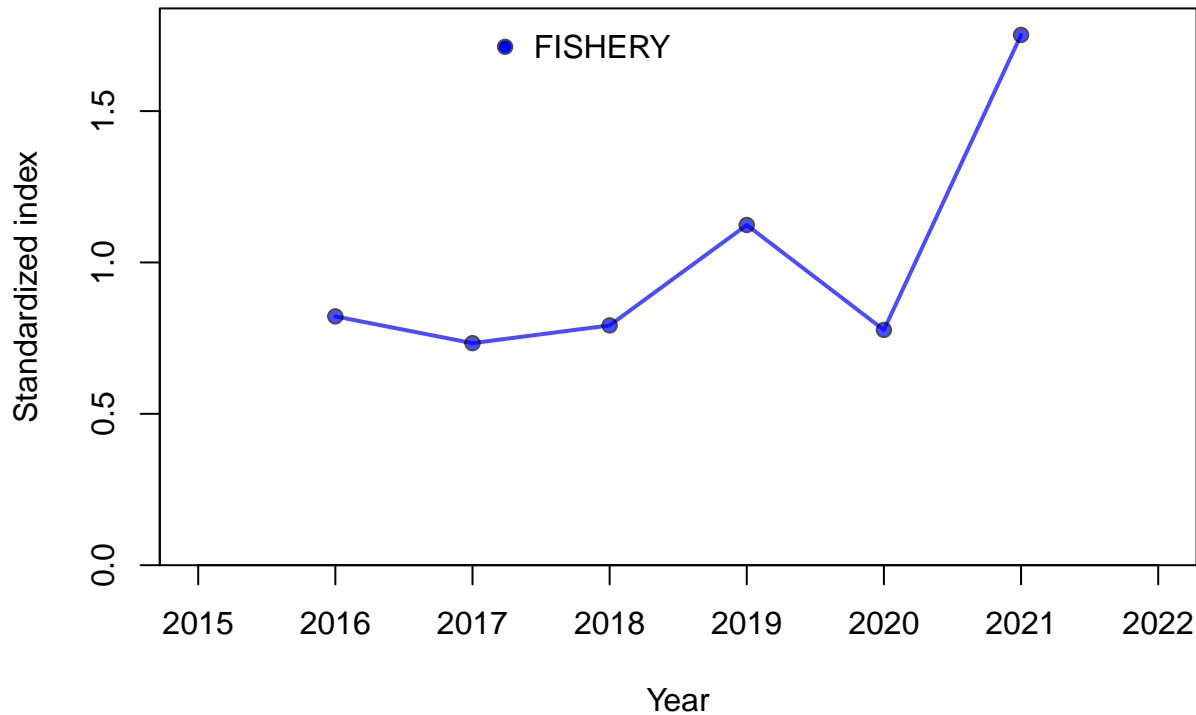
1.6

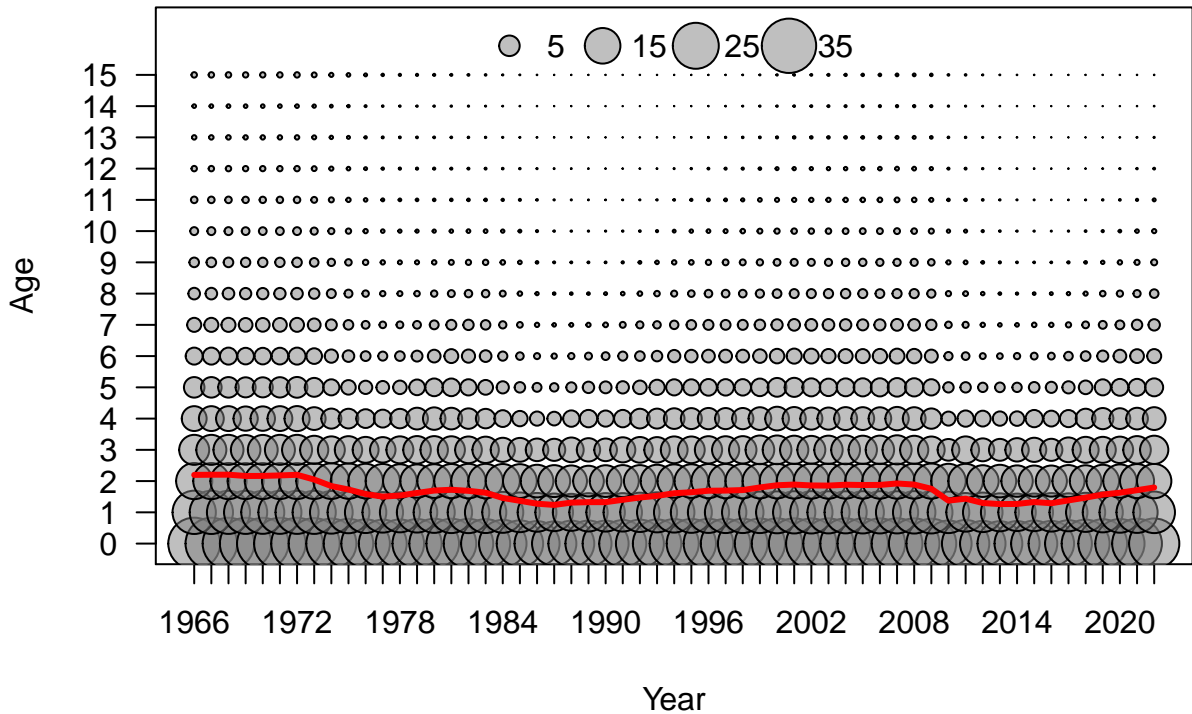
Log observed index



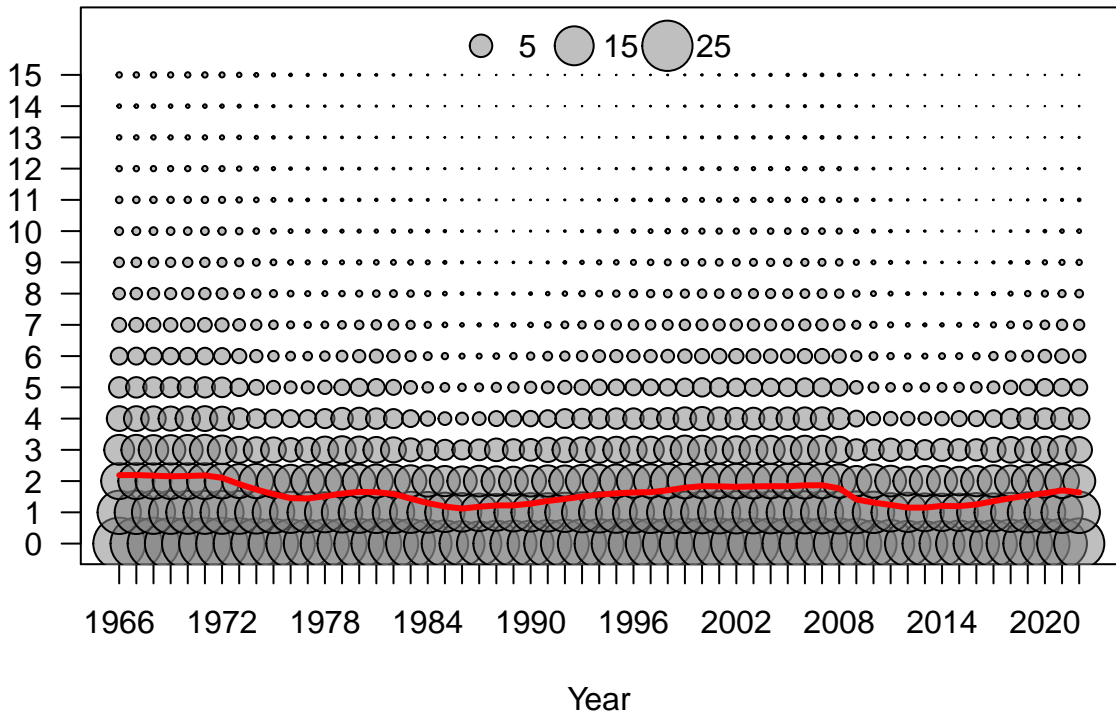


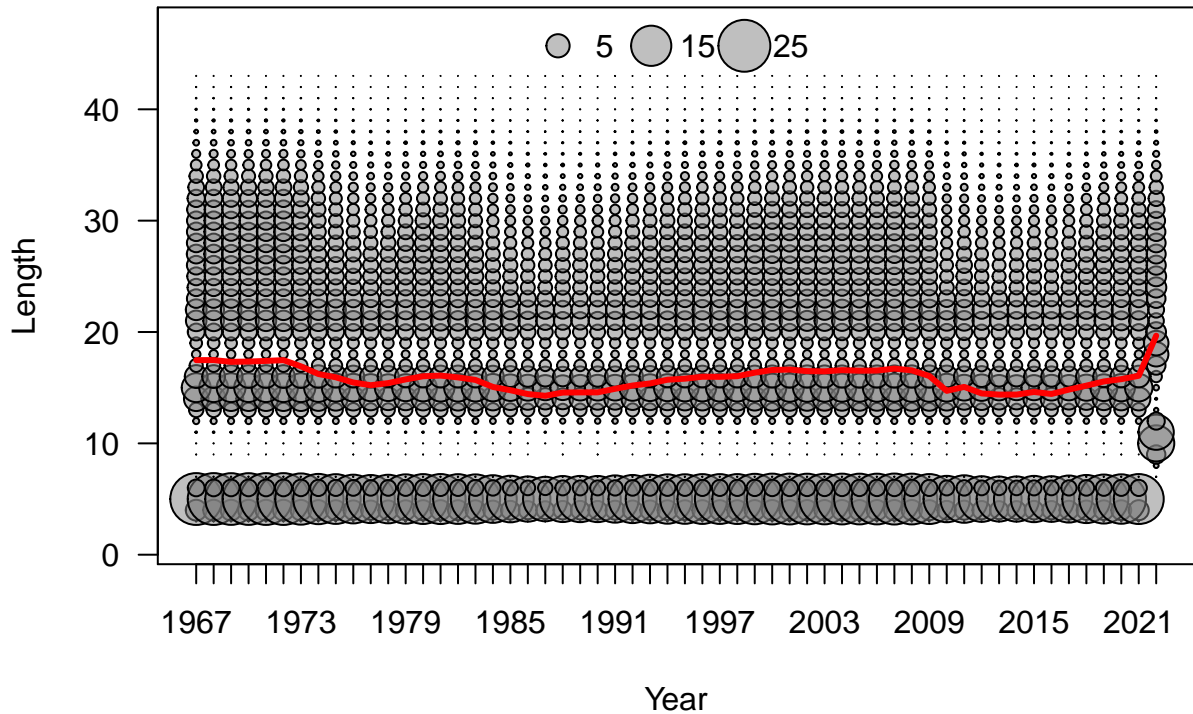




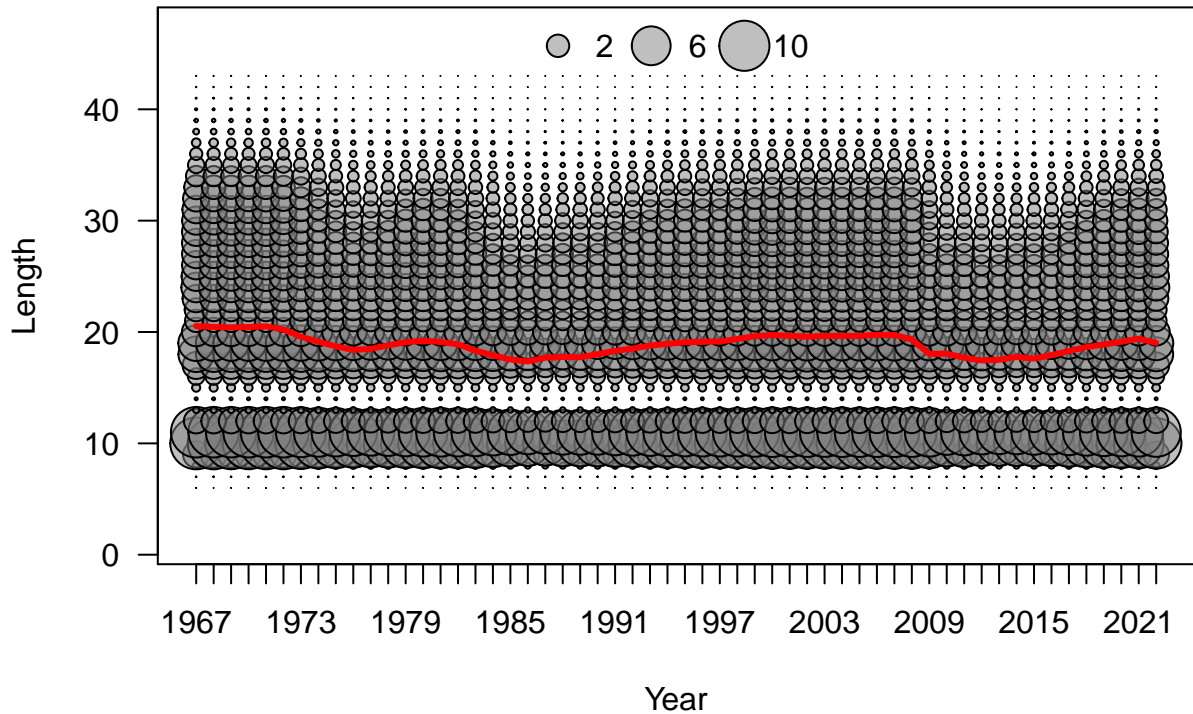


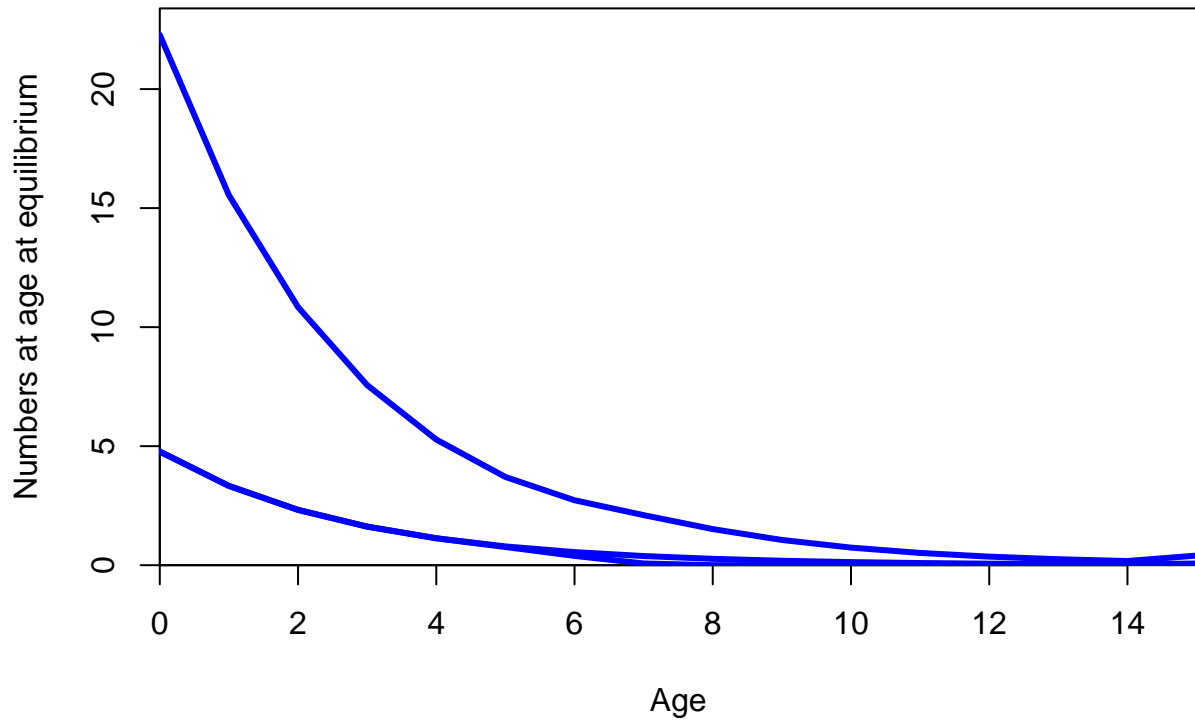
Age





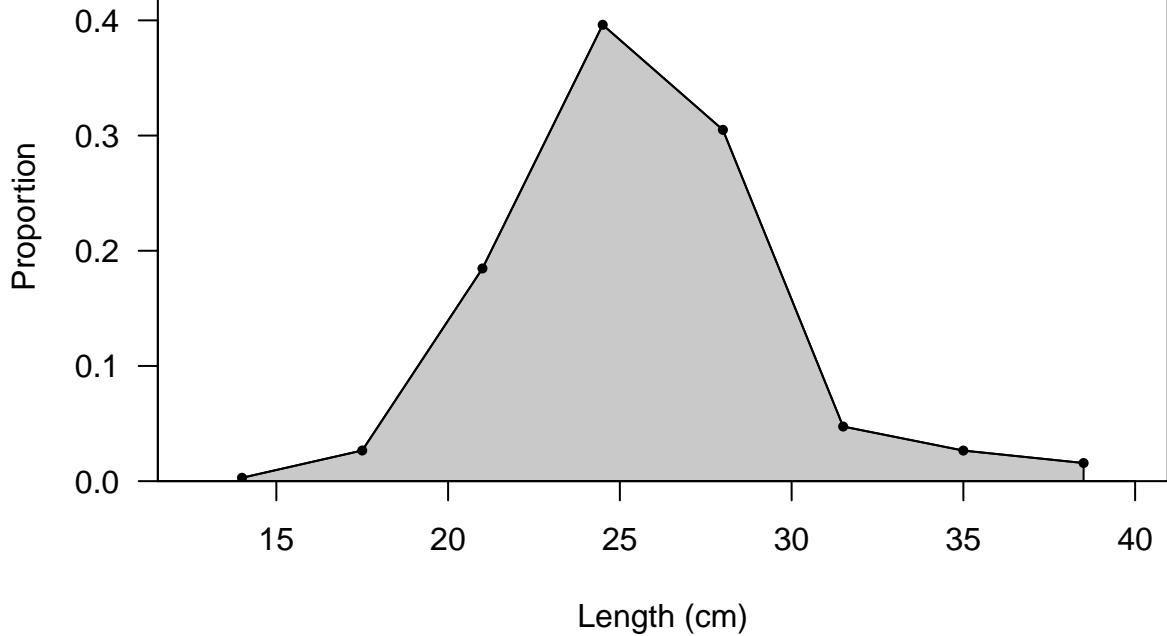


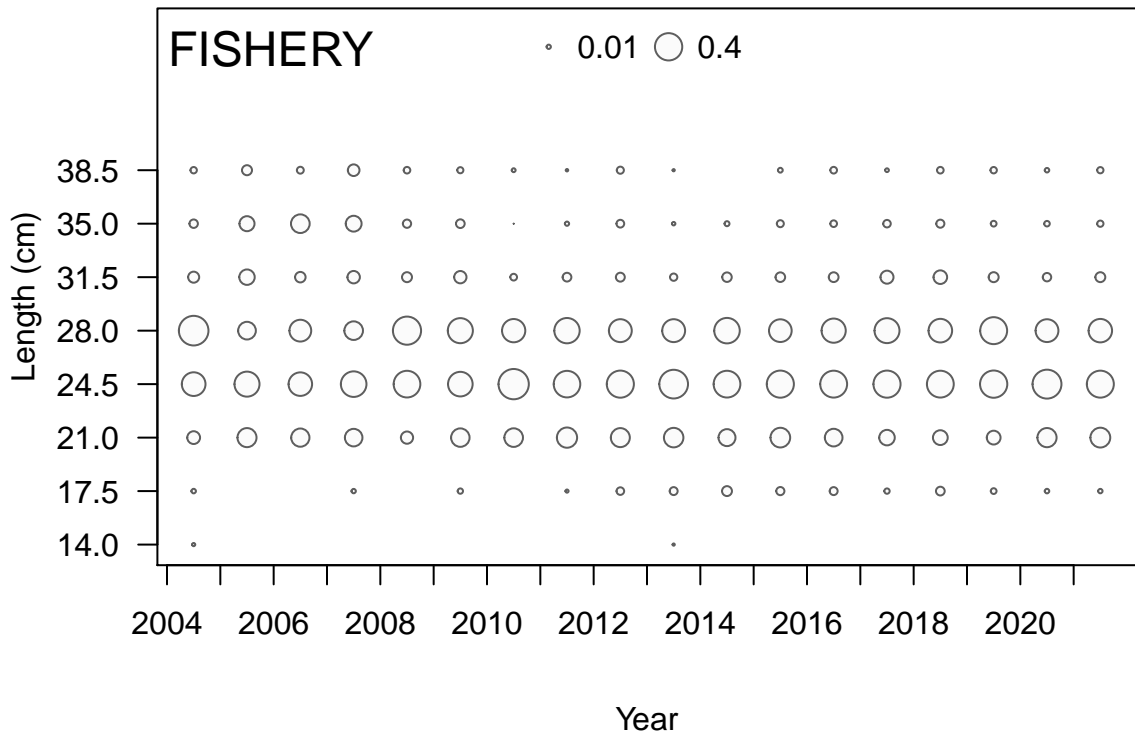




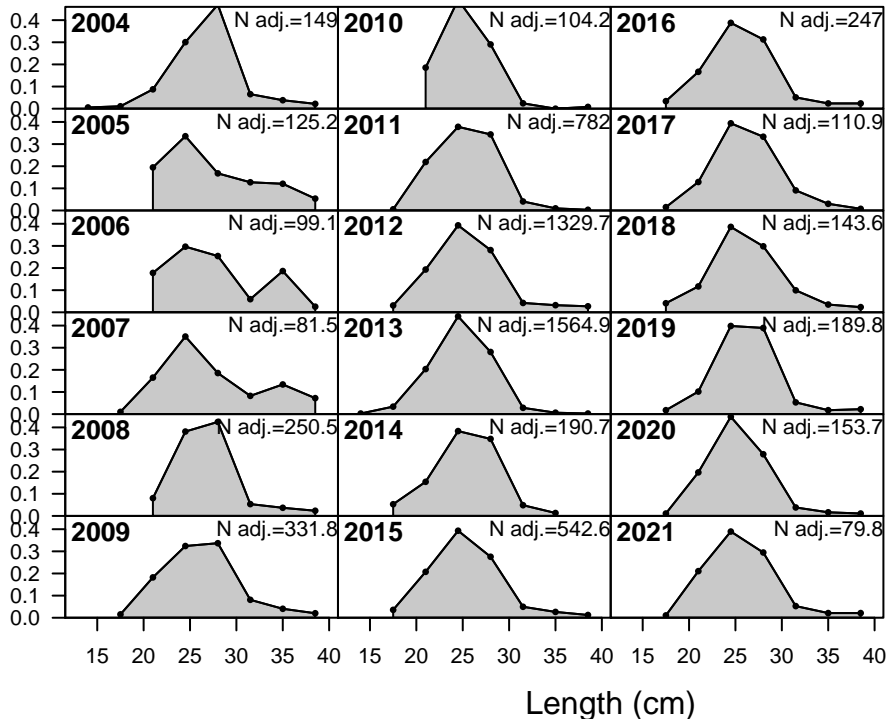
**FISHERY**

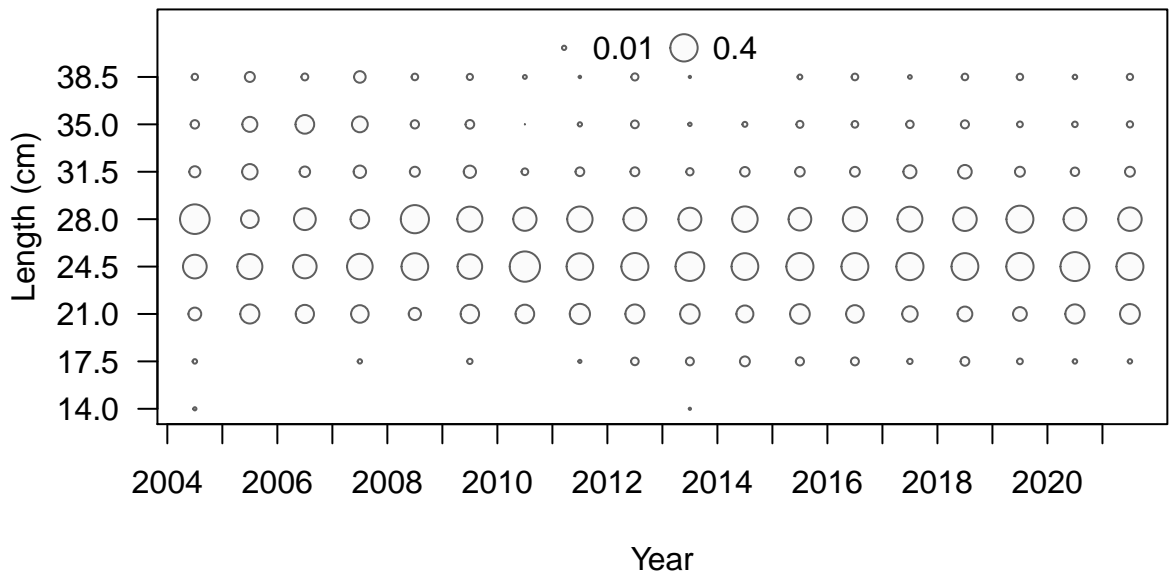
Sum of N adj.=6476



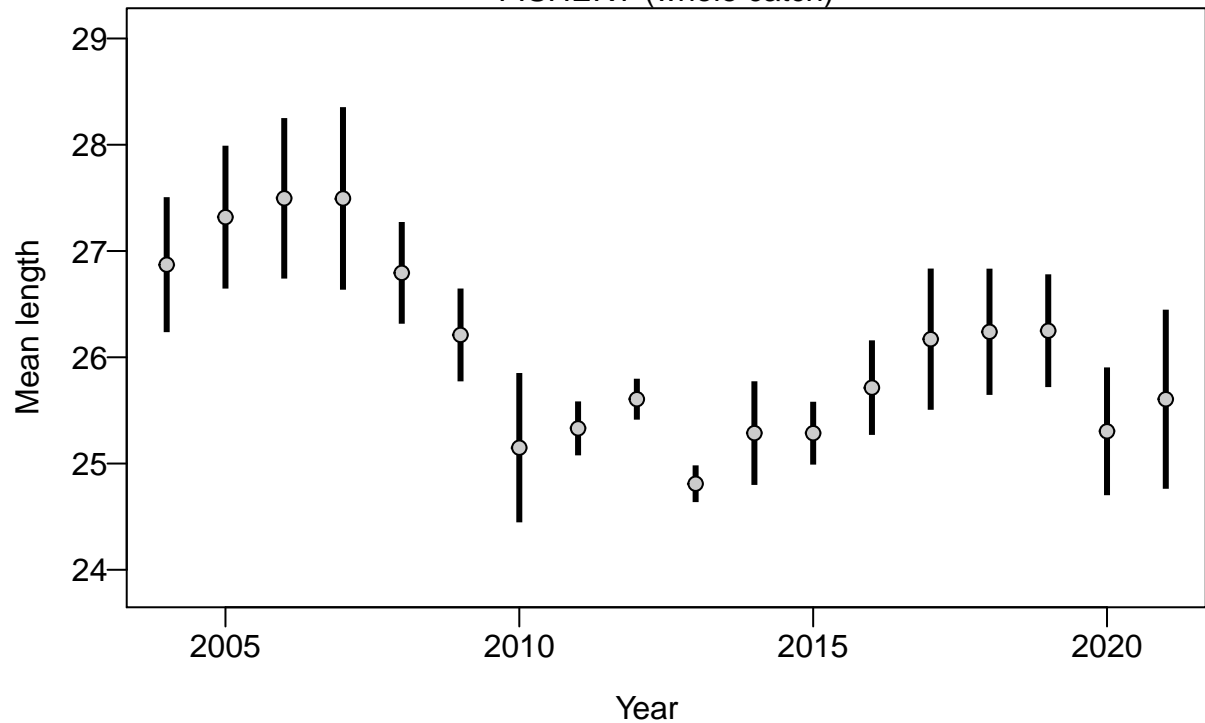


Proportion



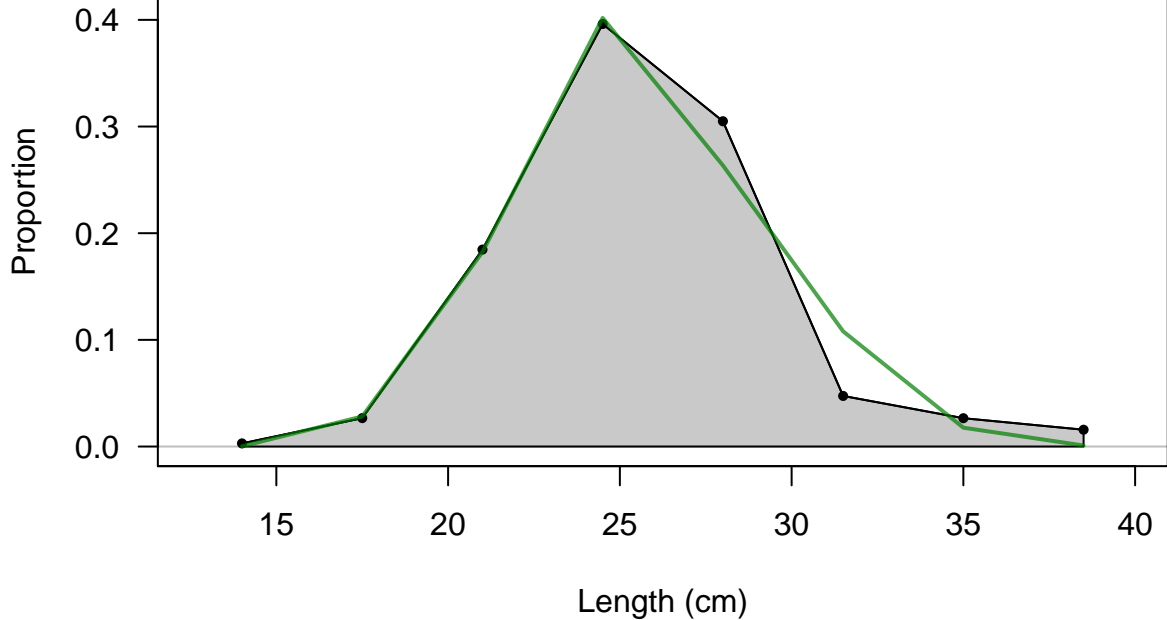


FISHERY (whole catch)

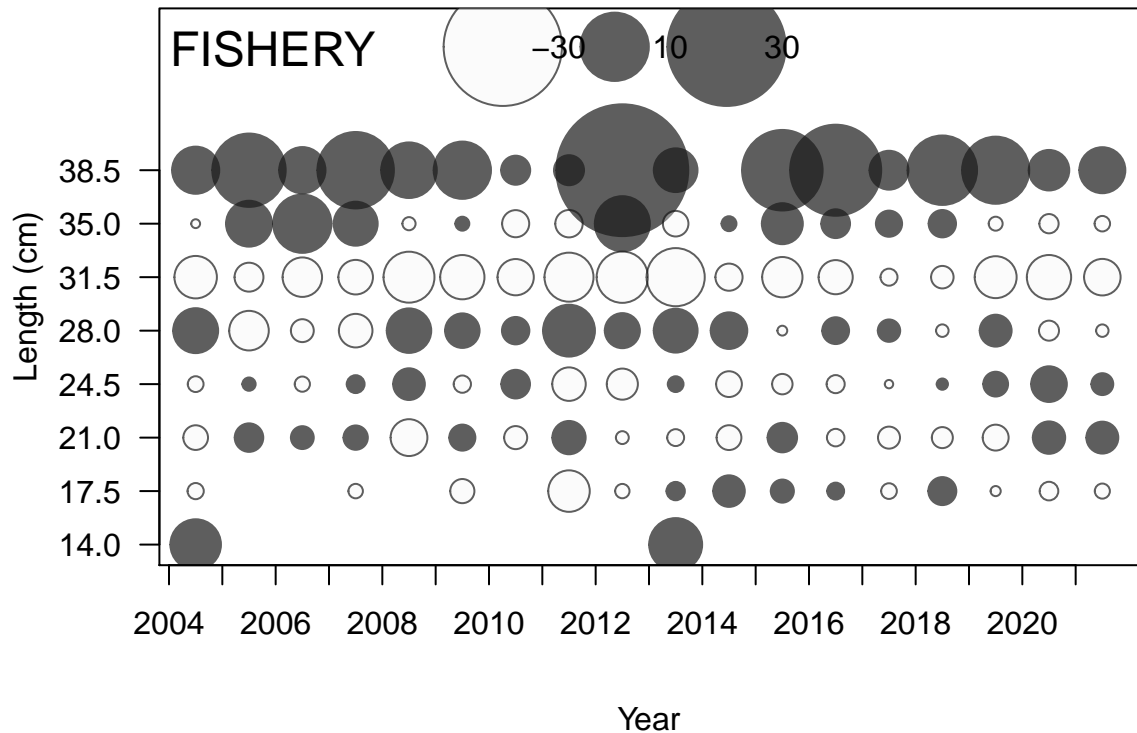


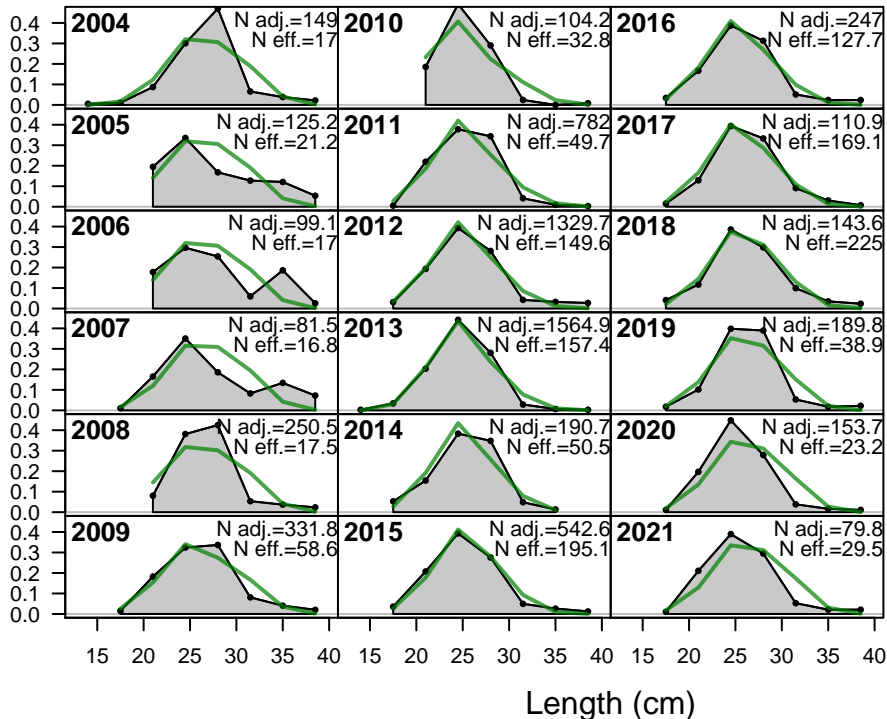
# FISHERY

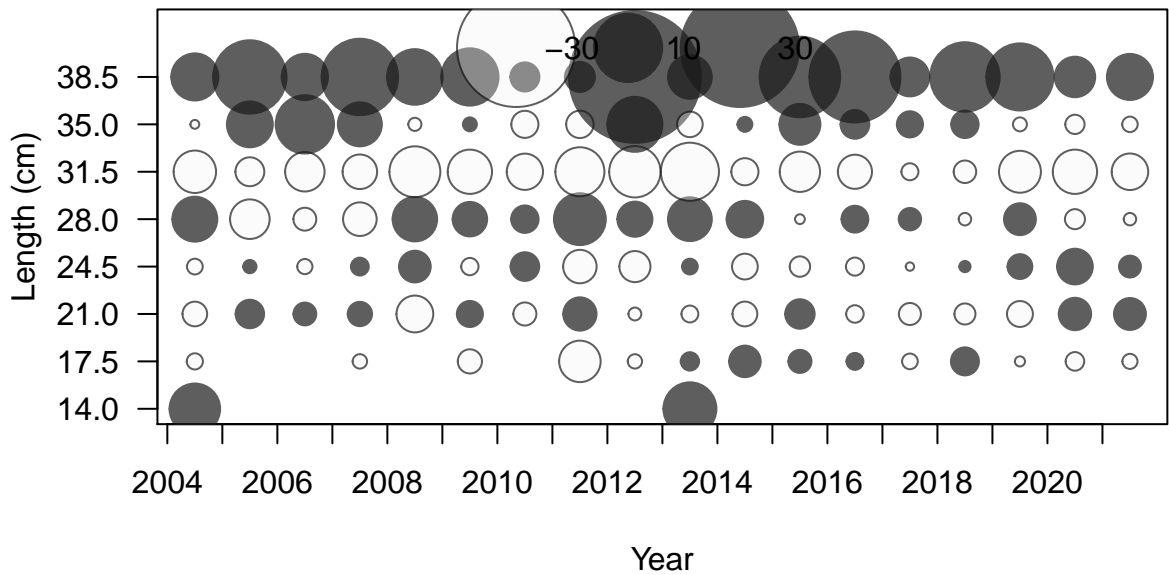
Sum of N adj.=6476  
Sum of N eff.=1396.4

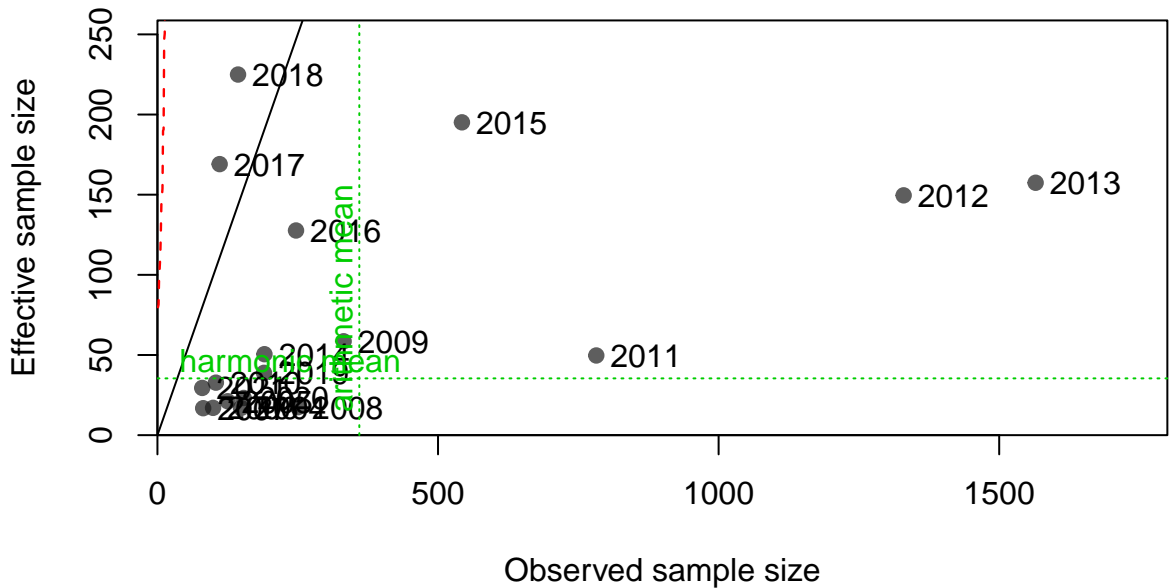




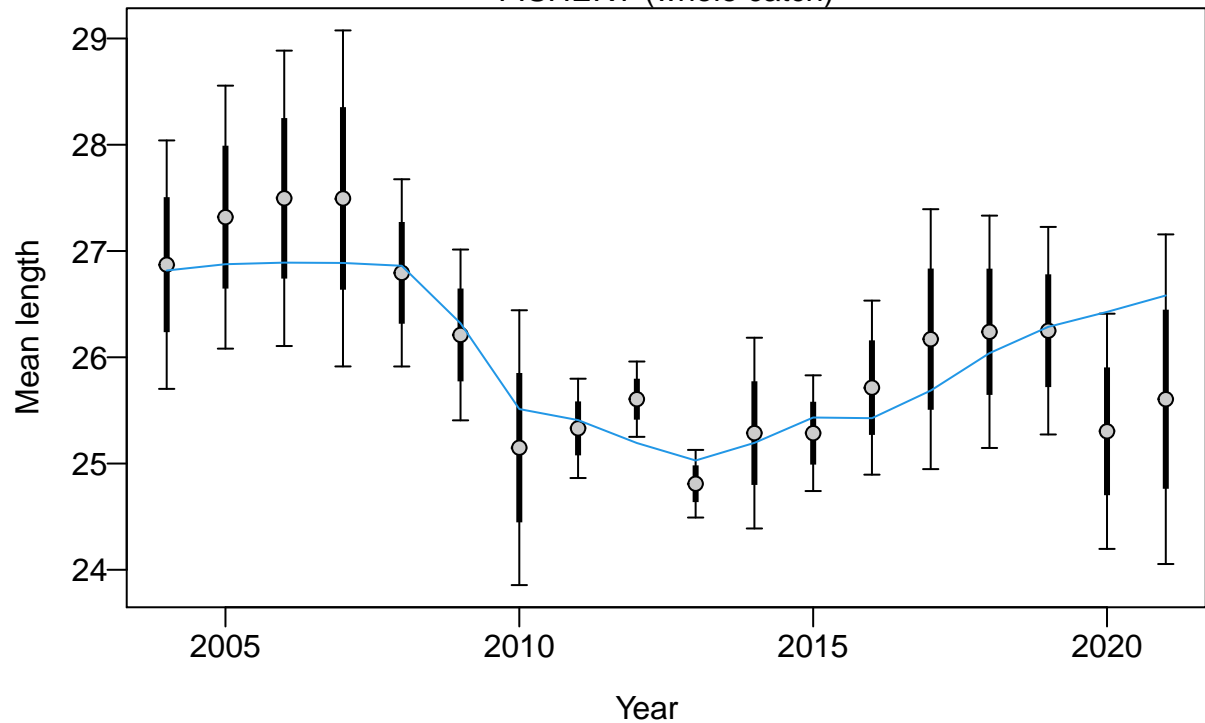


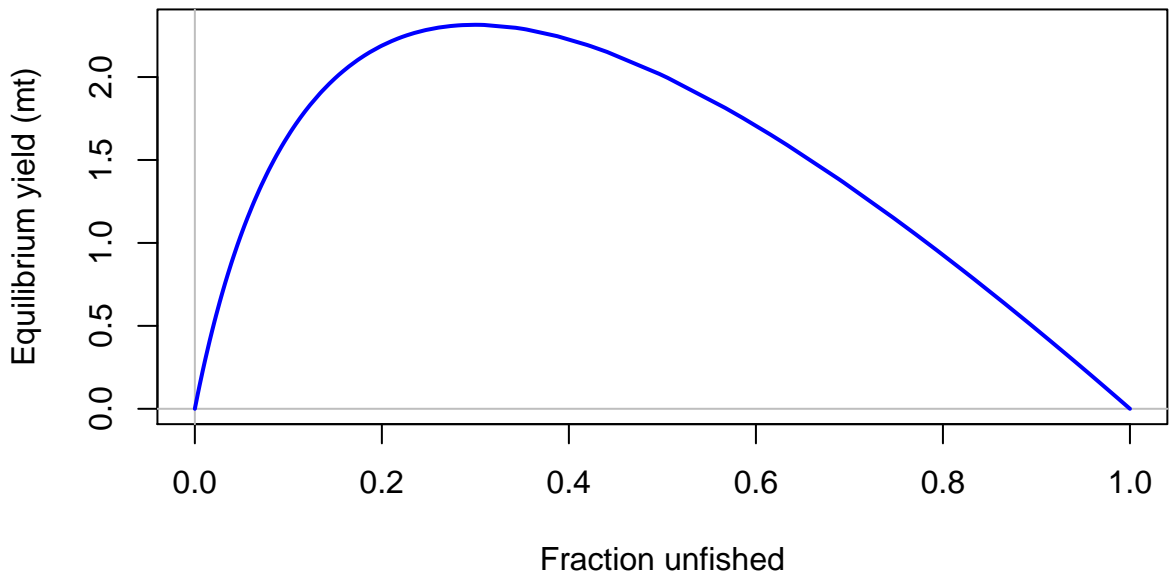


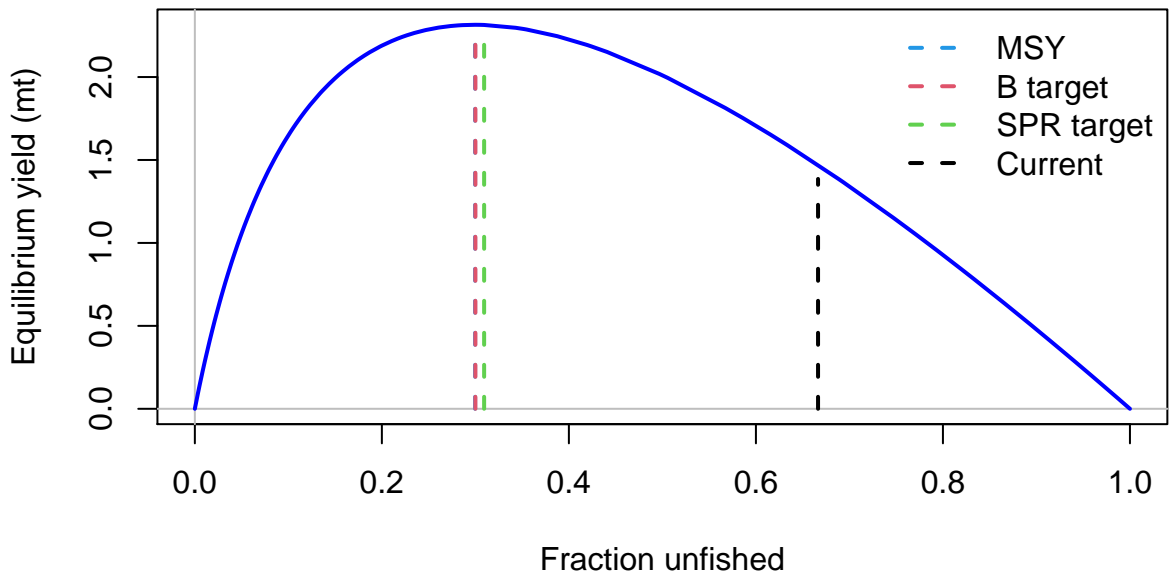


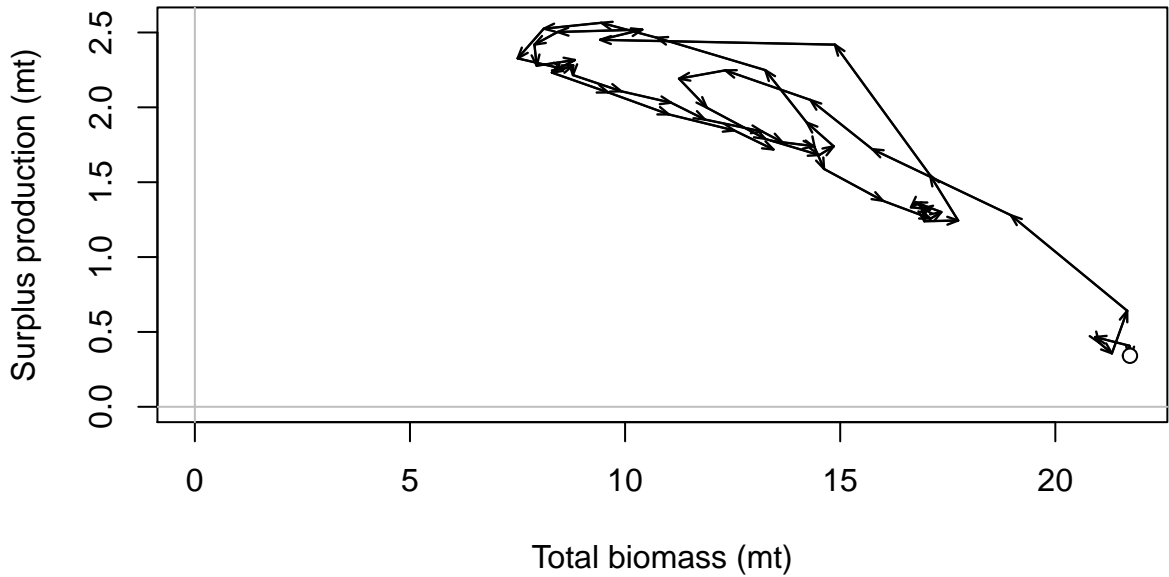


FISHERY (whole catch)

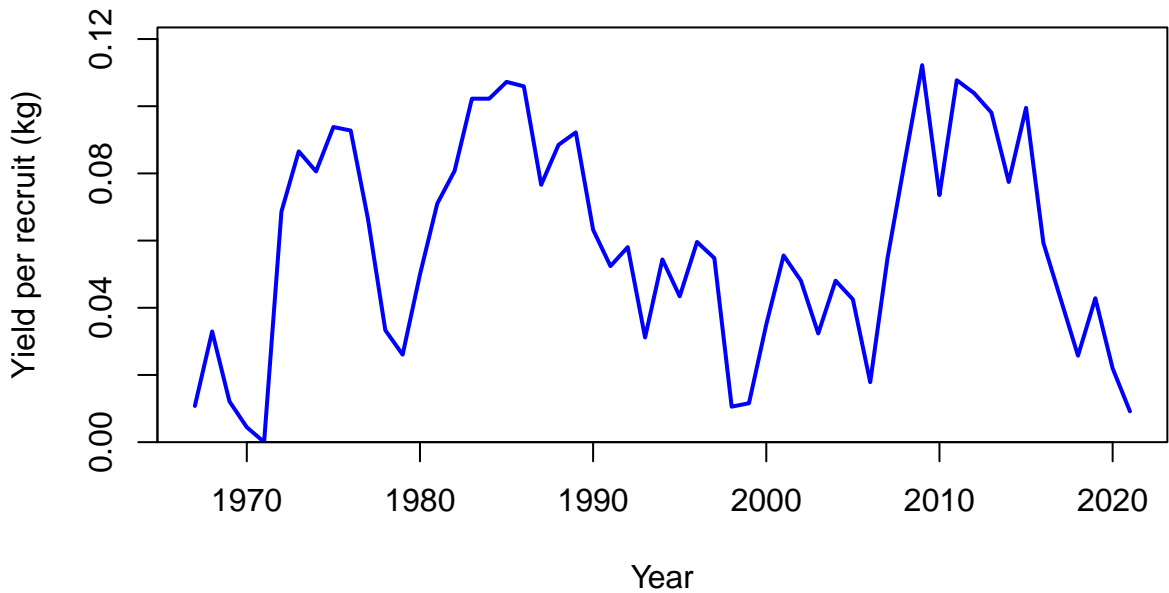


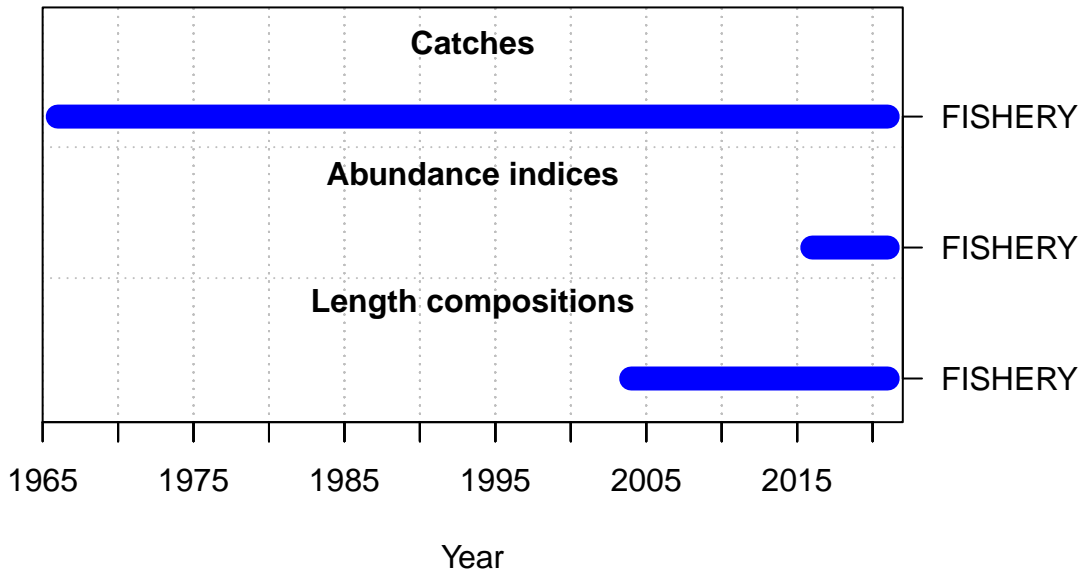


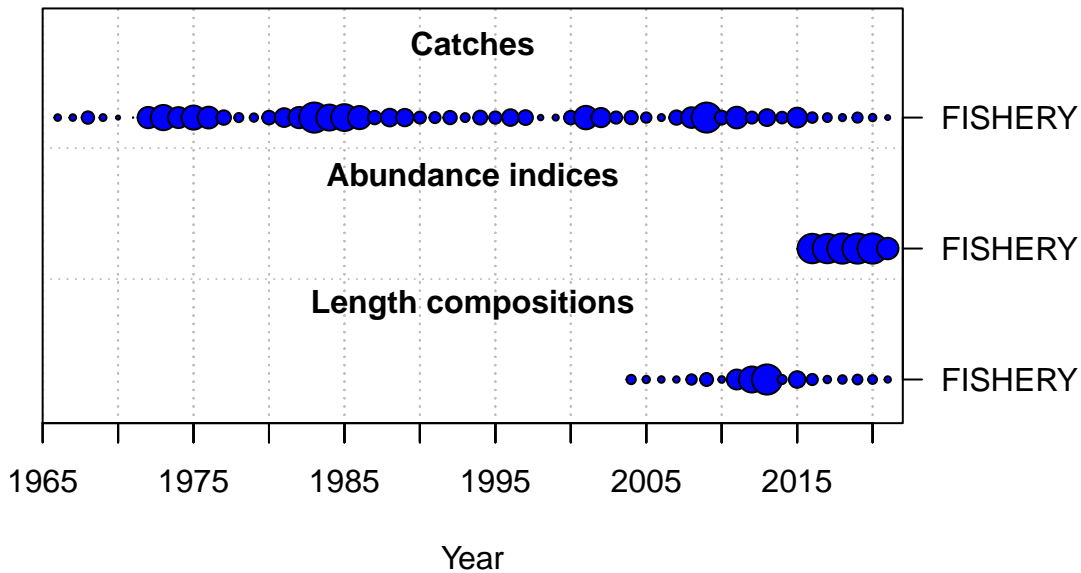




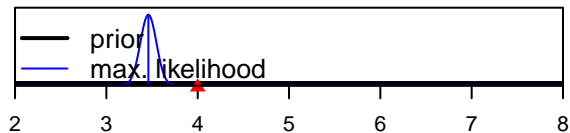




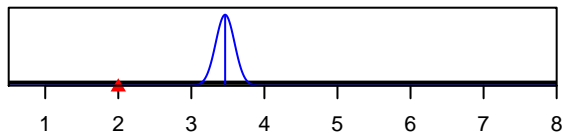




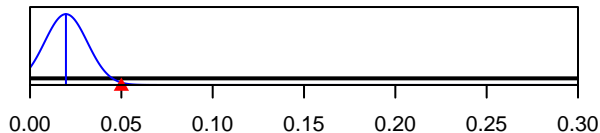
SR\_LN(R0)



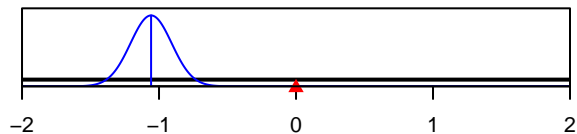
Size\_95%width\_FISHERY(1)



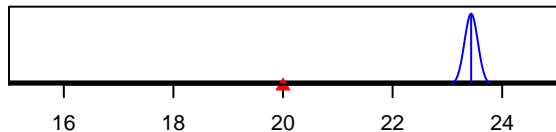
InitF\_seas\_1\_flt\_1FISHERY



LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Parameter value