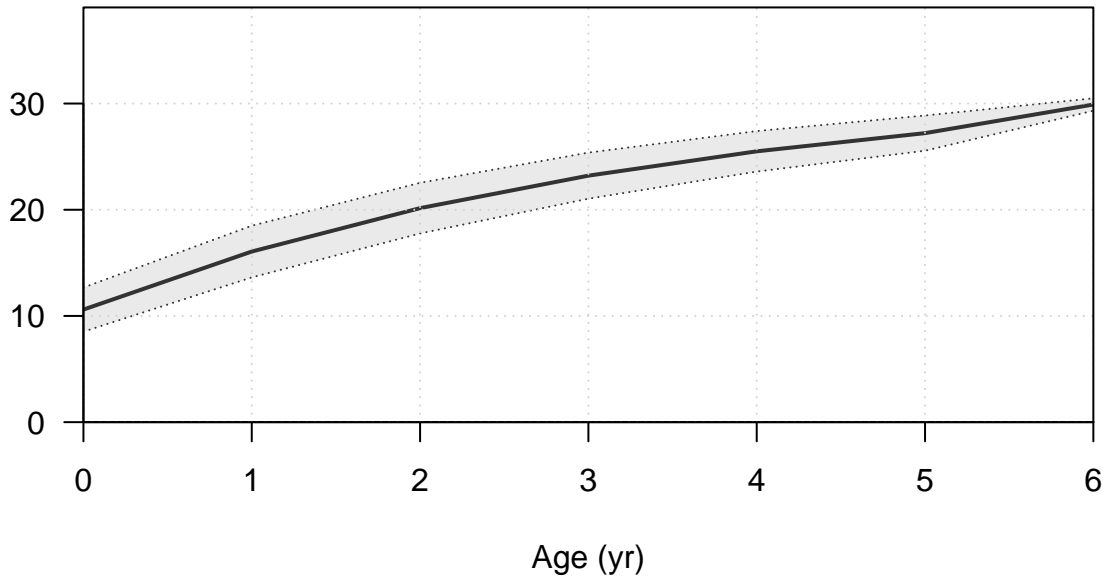
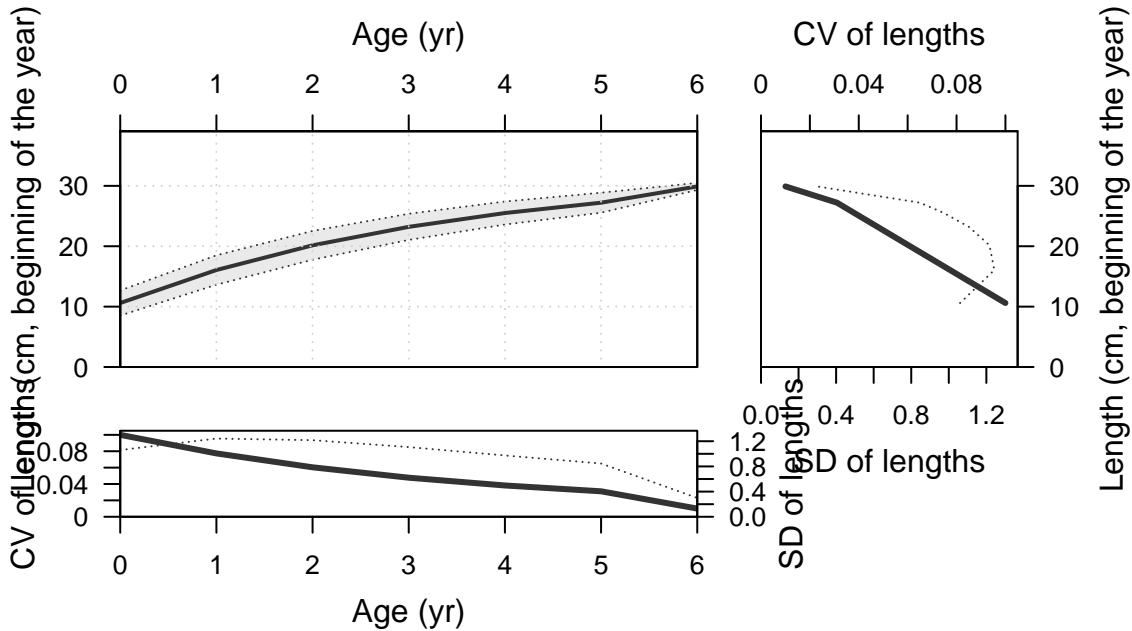
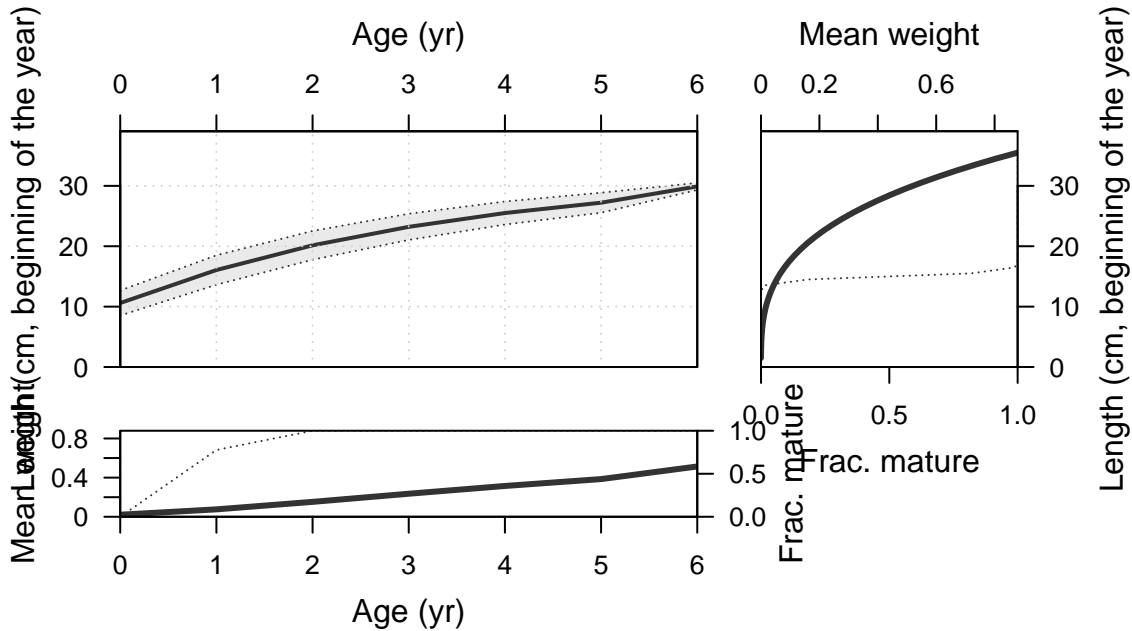


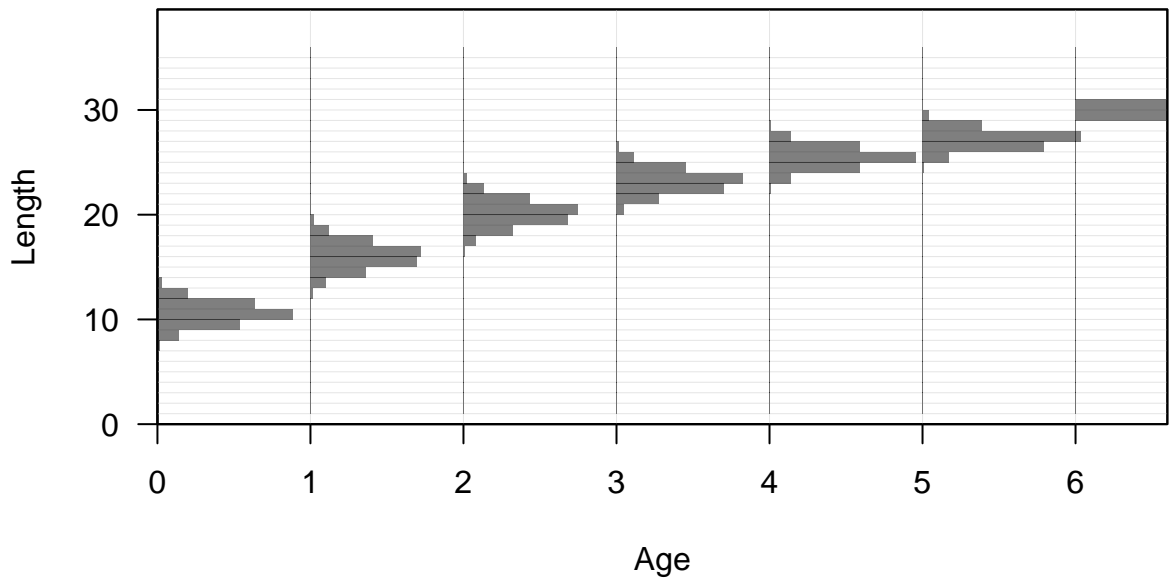
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Thu Jul 14 17:29:08 2022
Data_File: data.ss
Control_File: control.ss

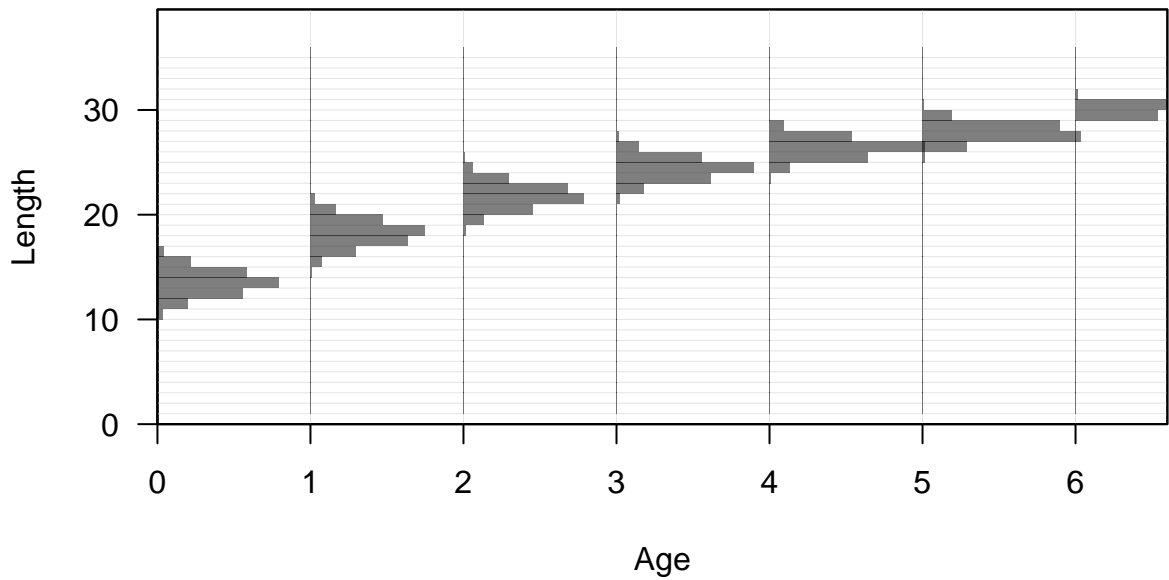
Length (cm, beginning of the year)

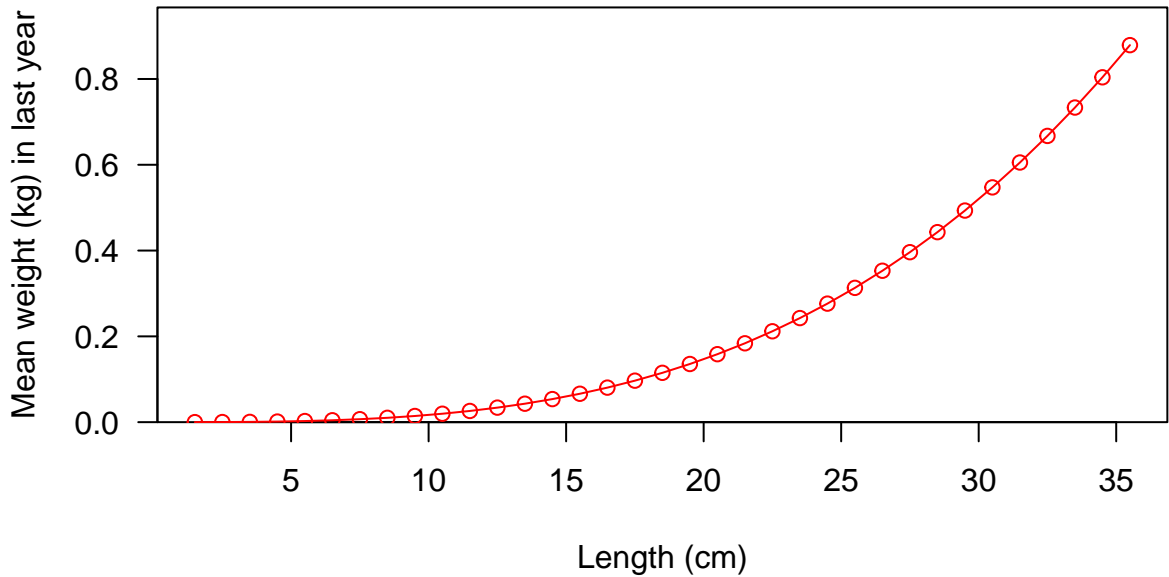


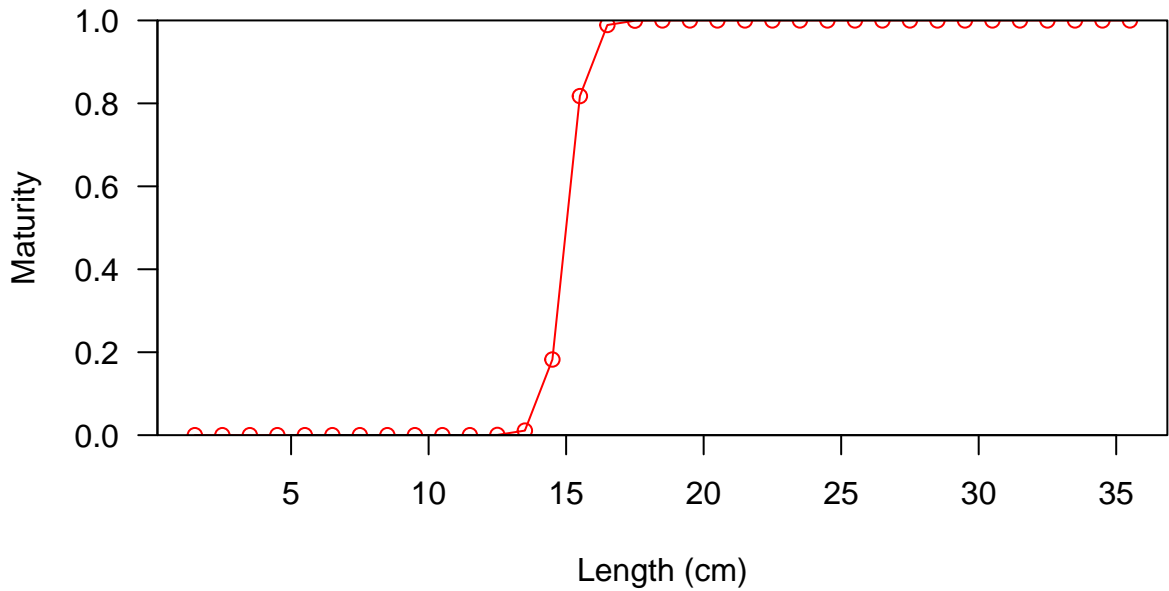


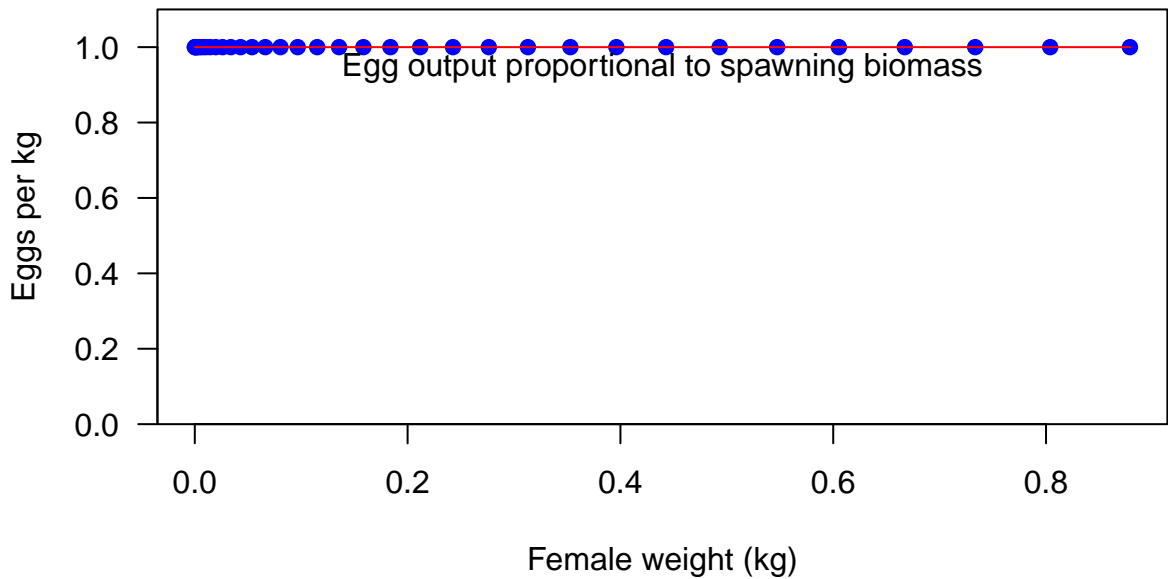


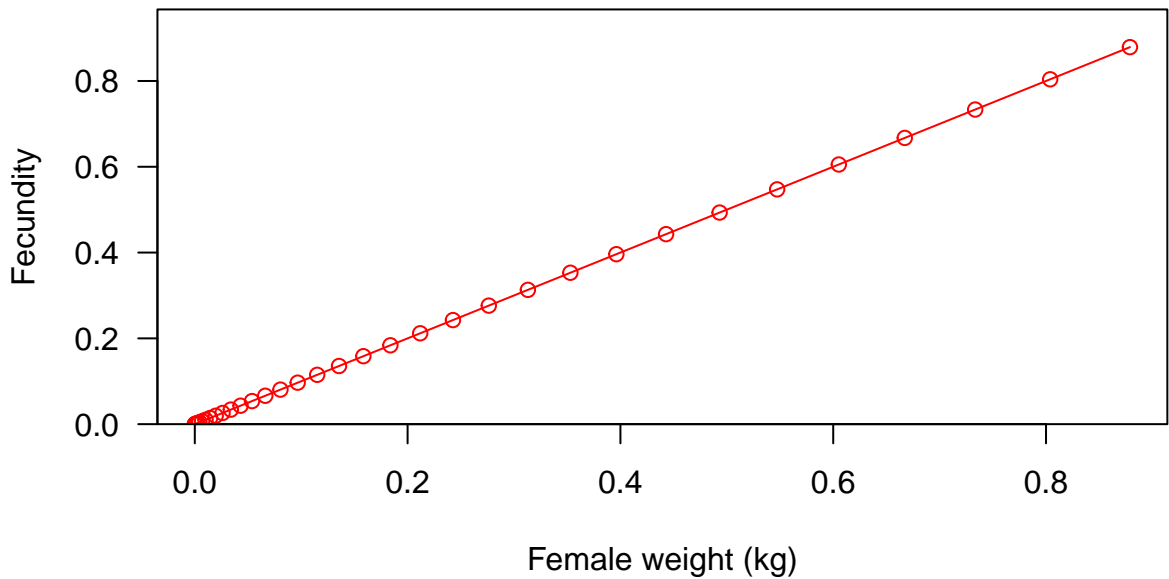


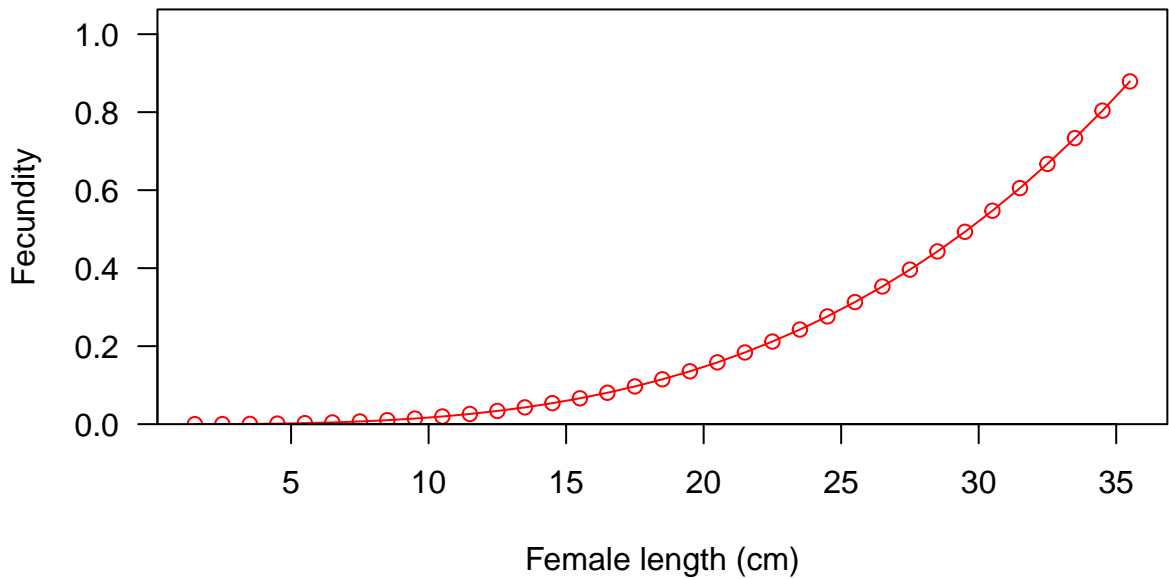


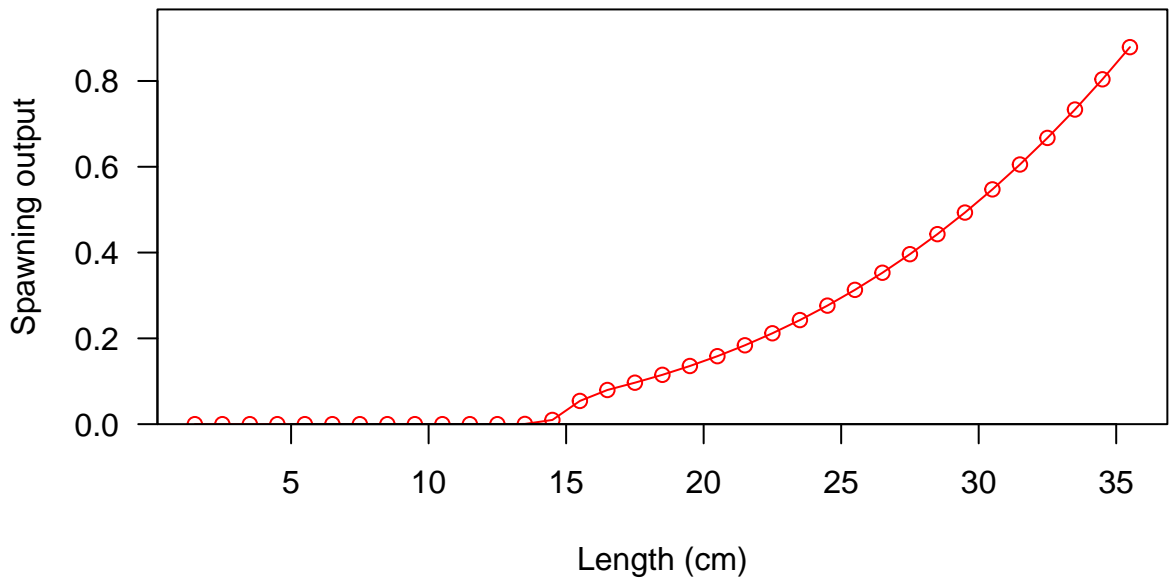


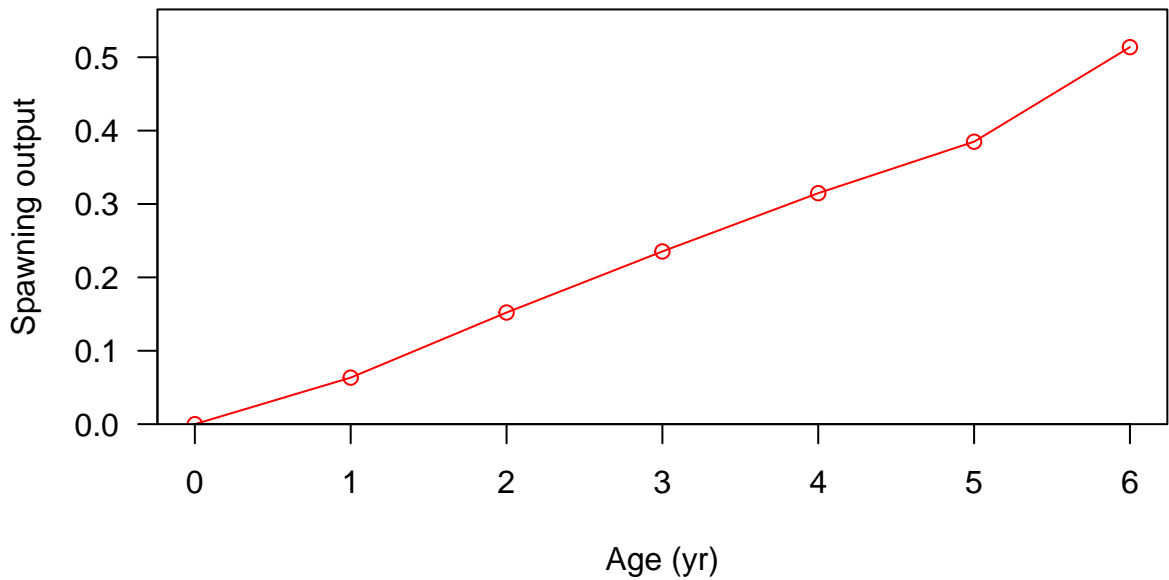




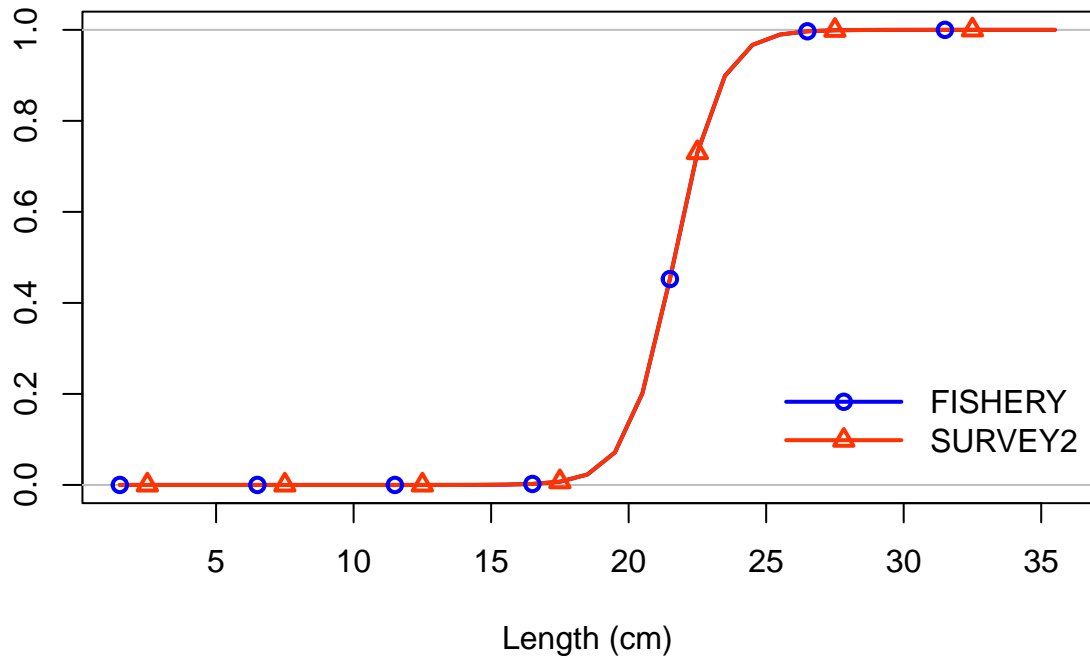




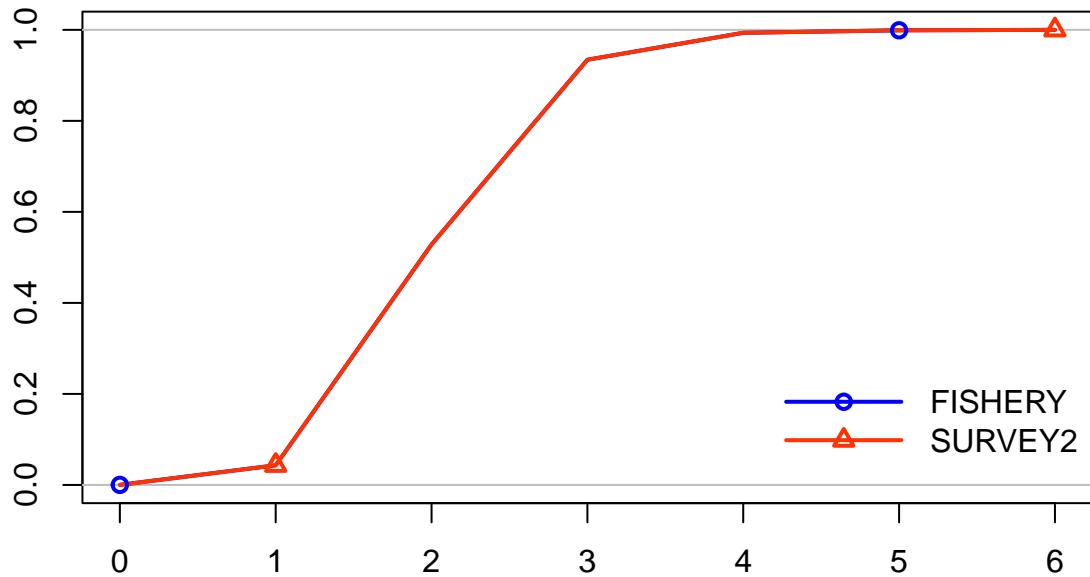




Selectivity

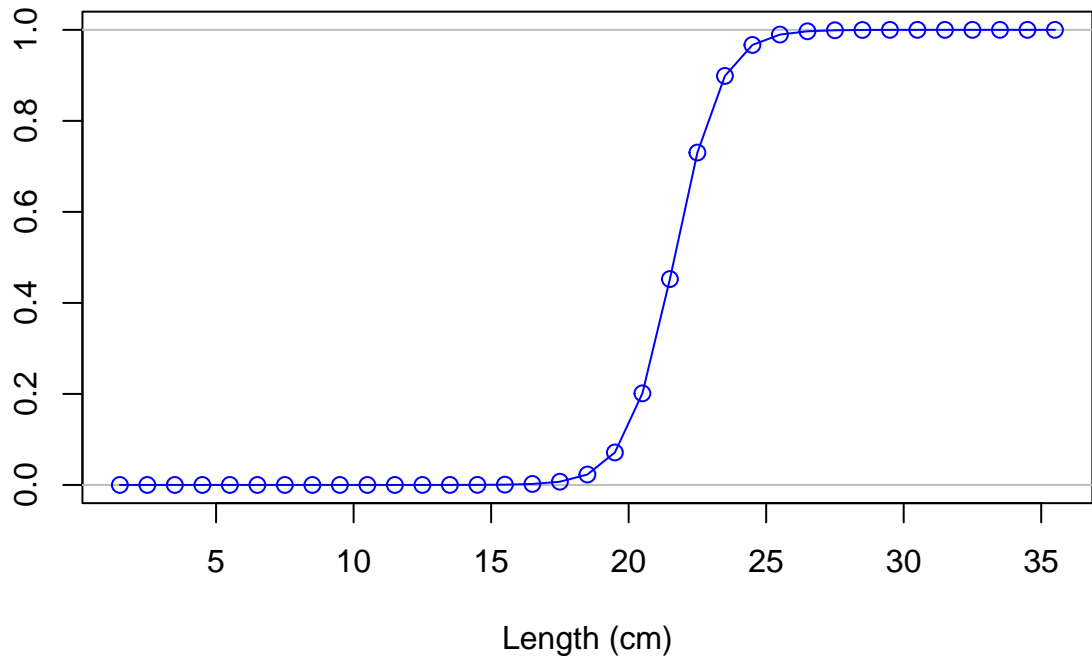


Selectivity

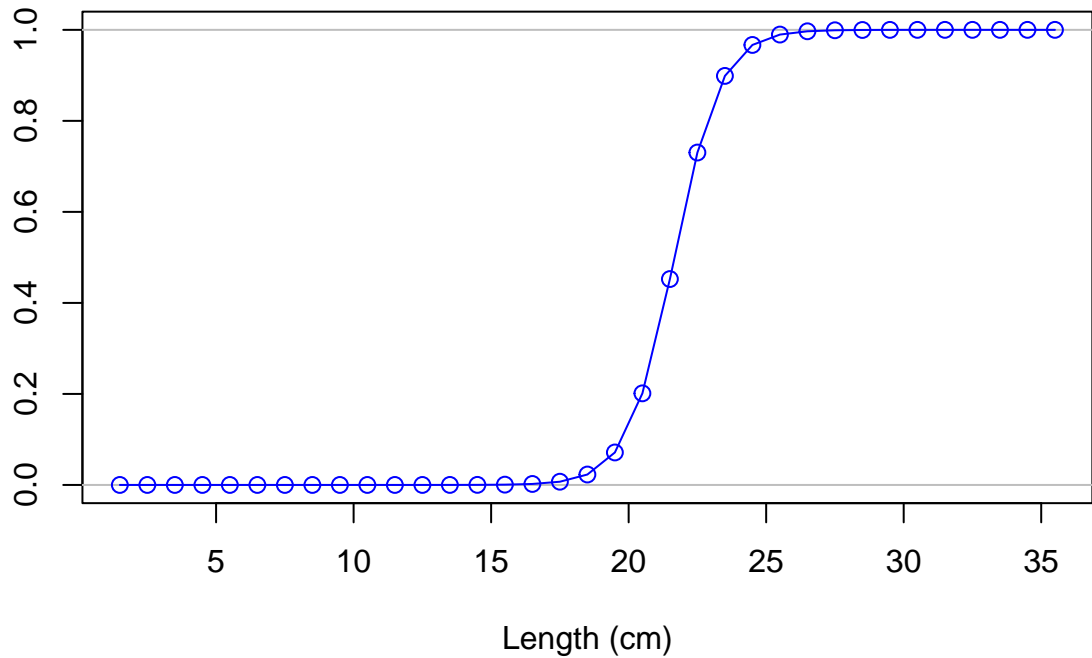


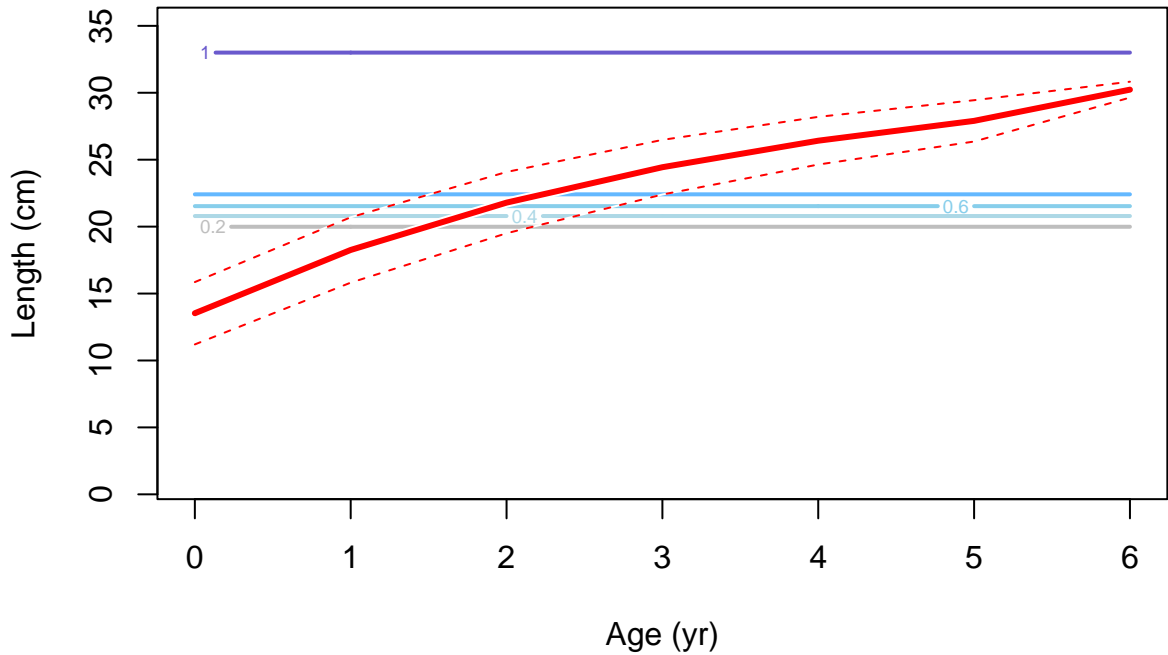
Age (yr)

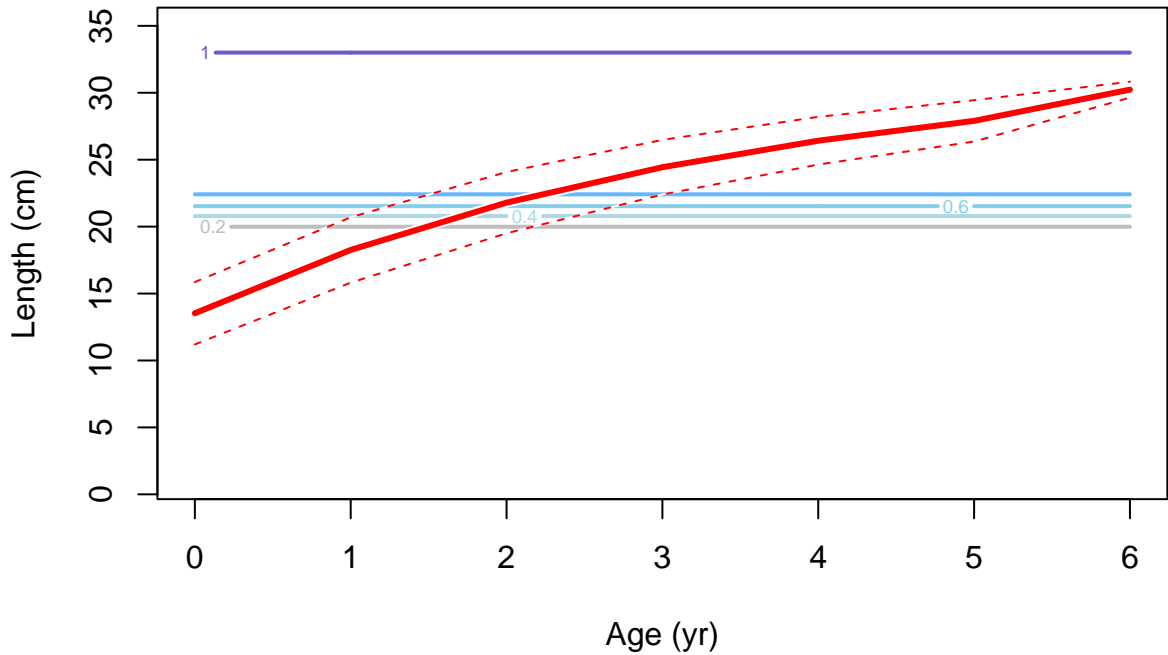
Selectivity



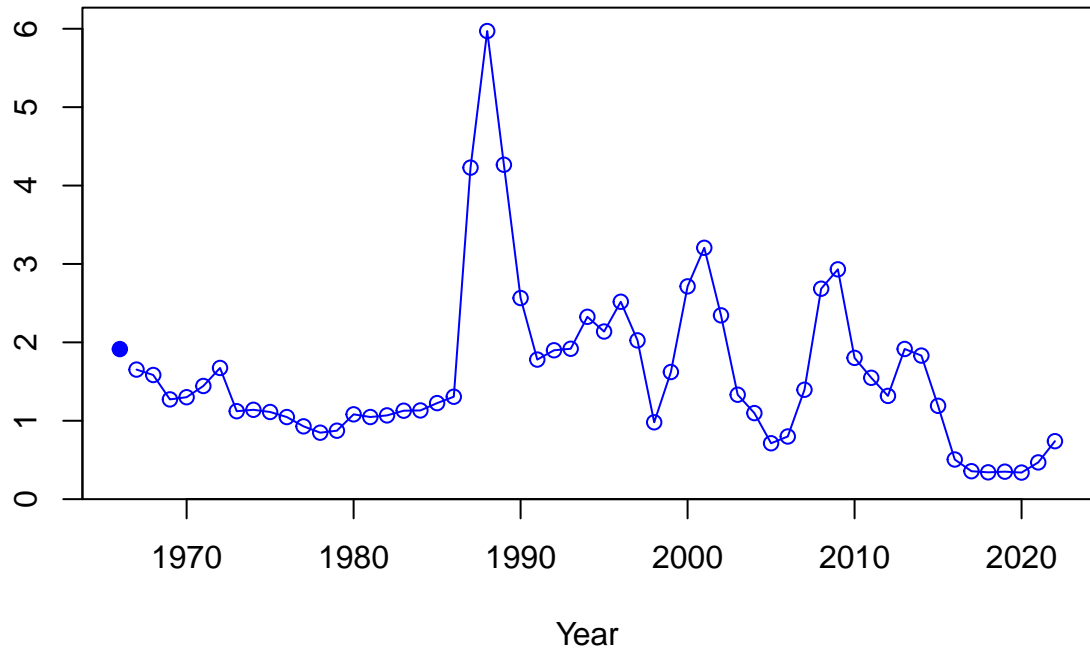
Selectivity



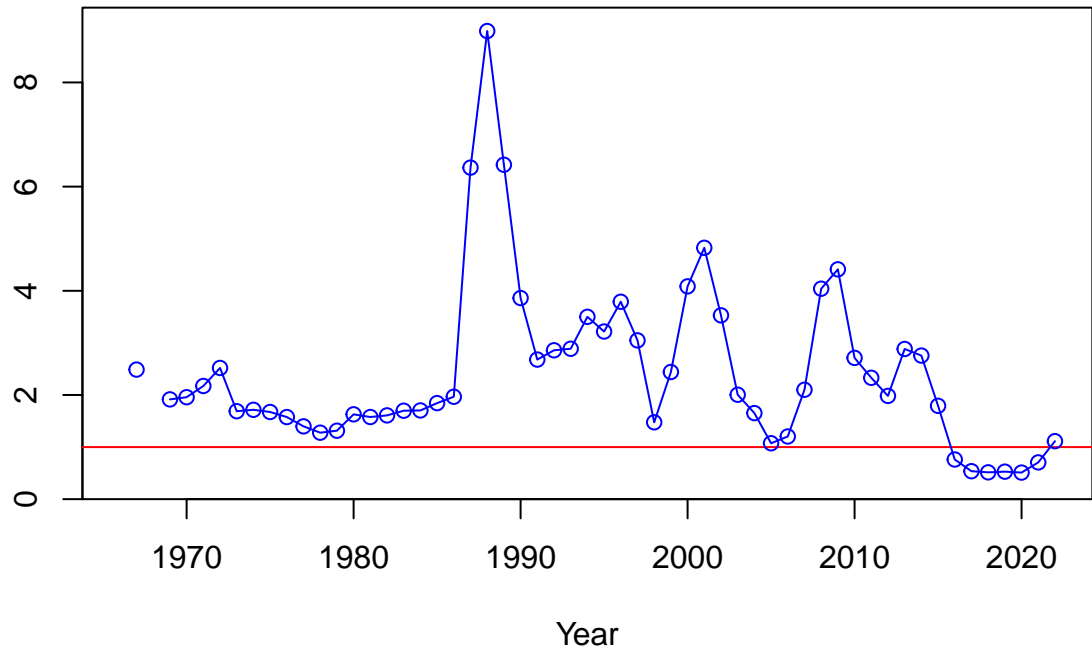


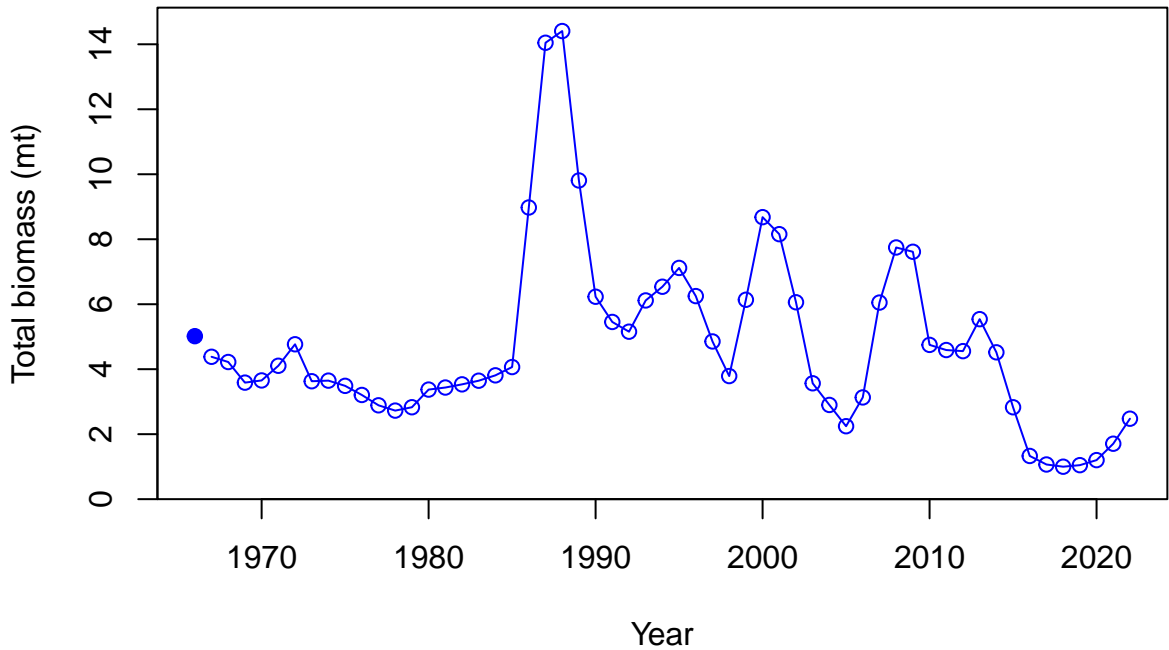


Spawning biomass (mt)

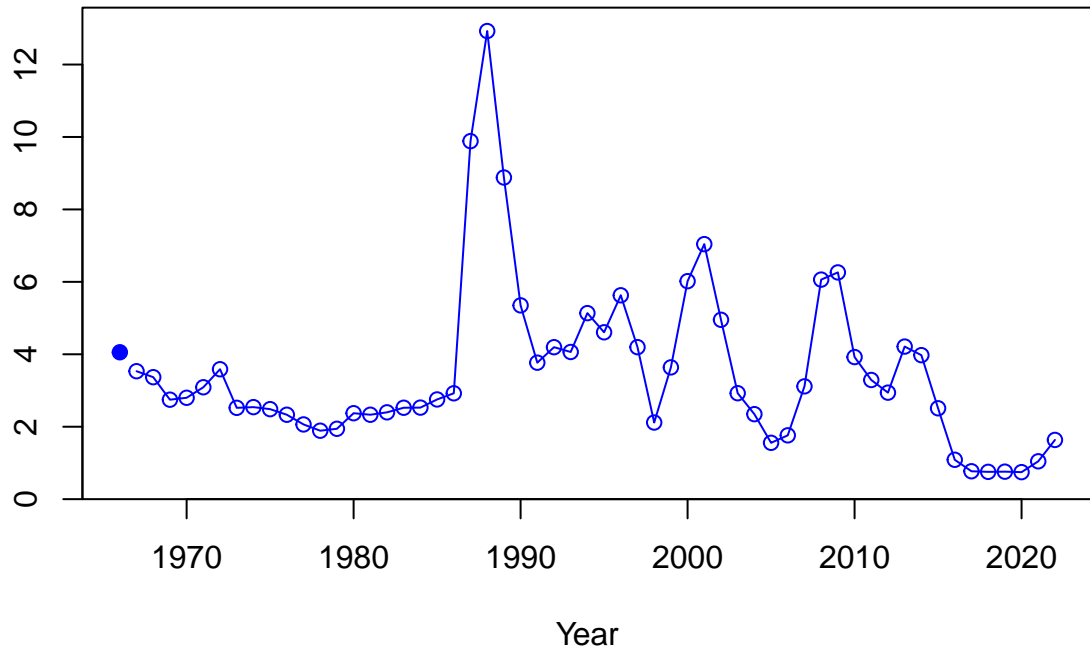


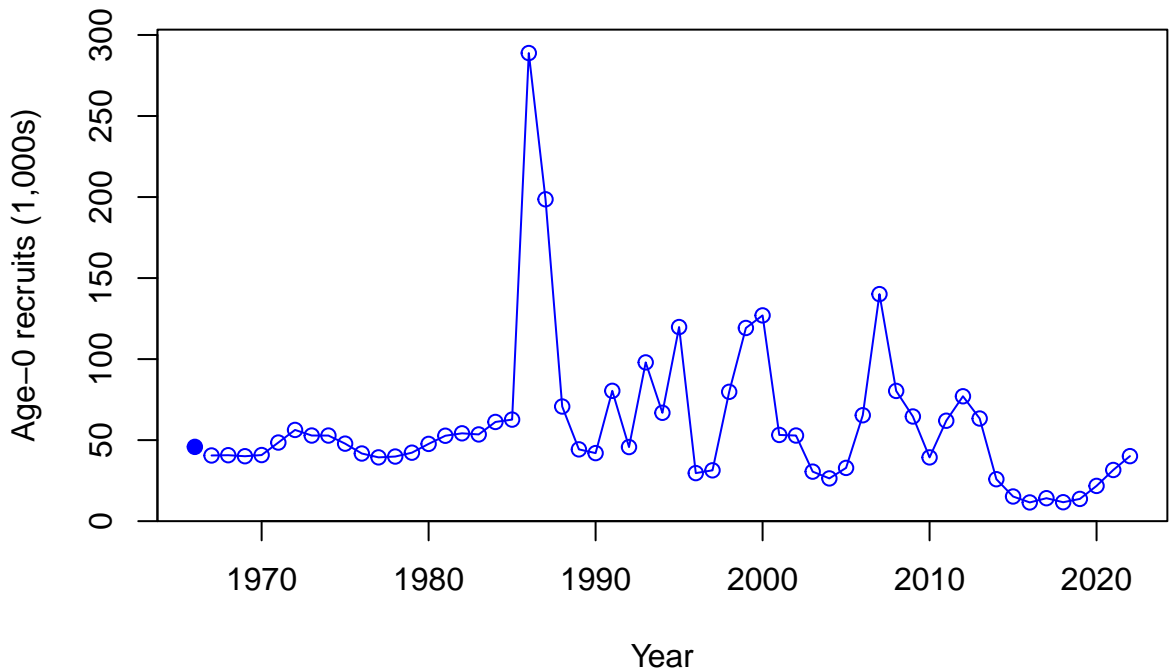
Relative spawning biomass: B/B_{MSY}



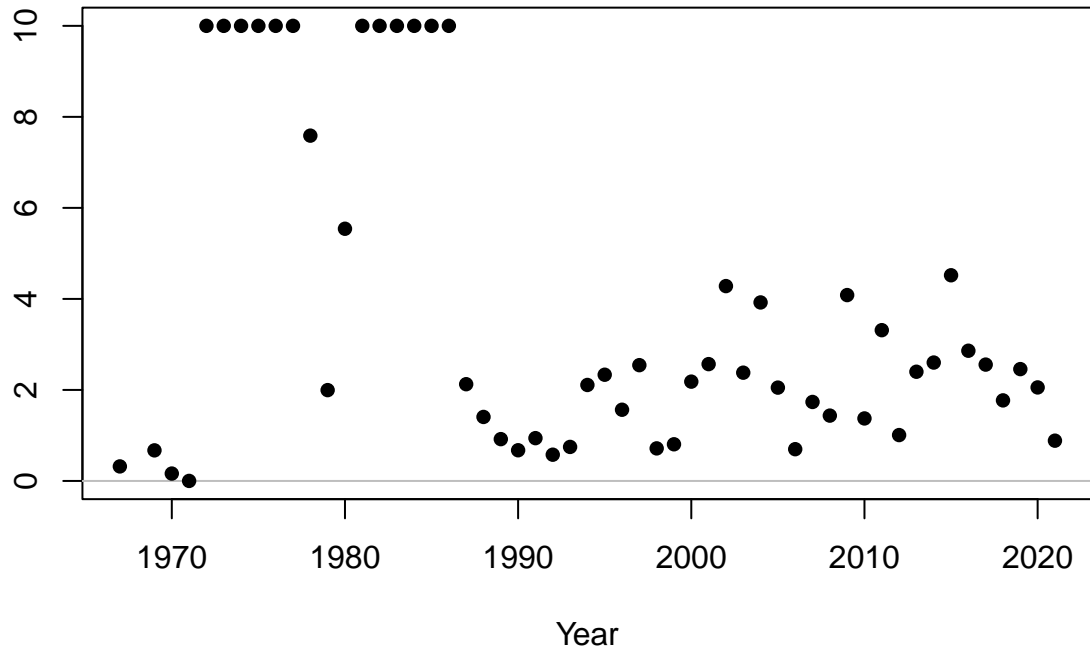


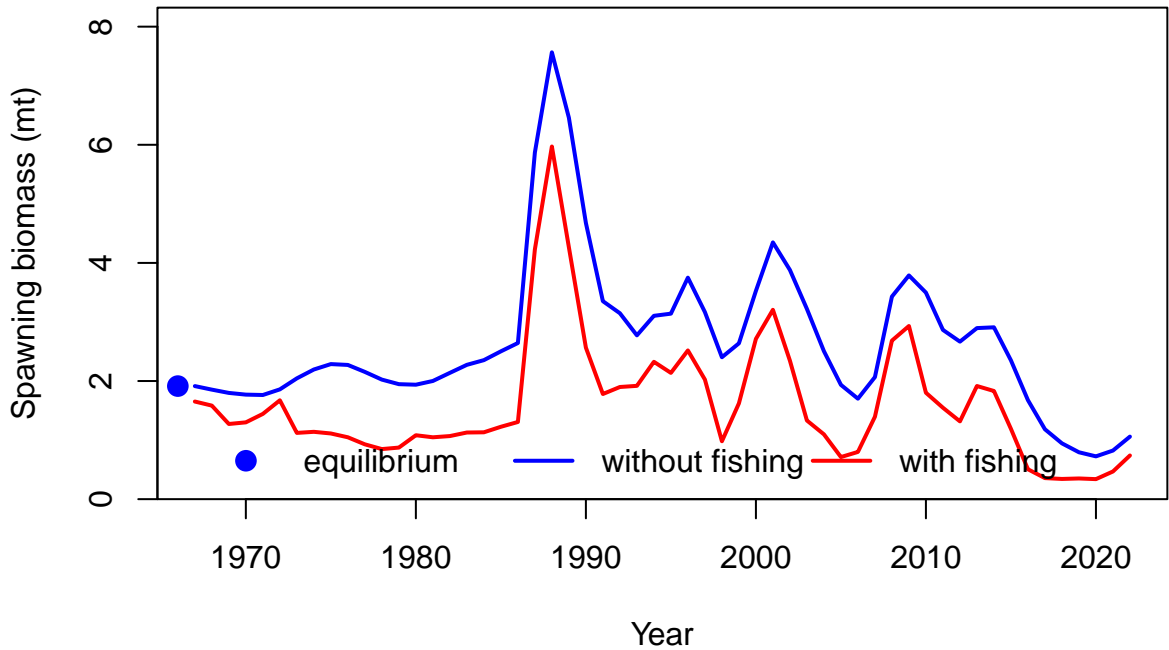
Summary biomass (mt)



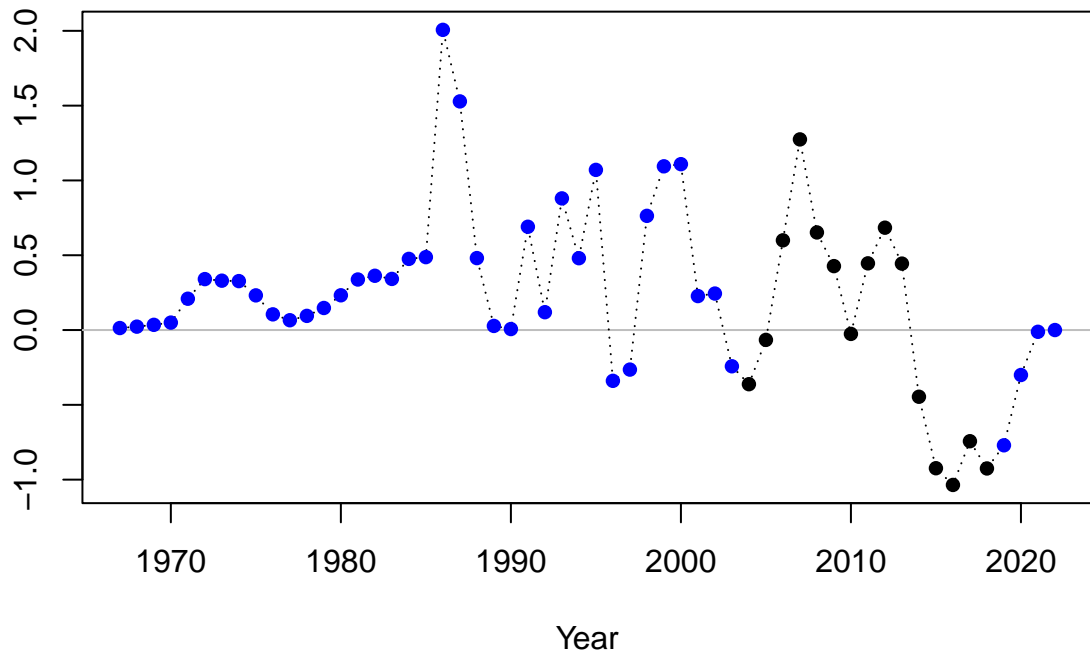


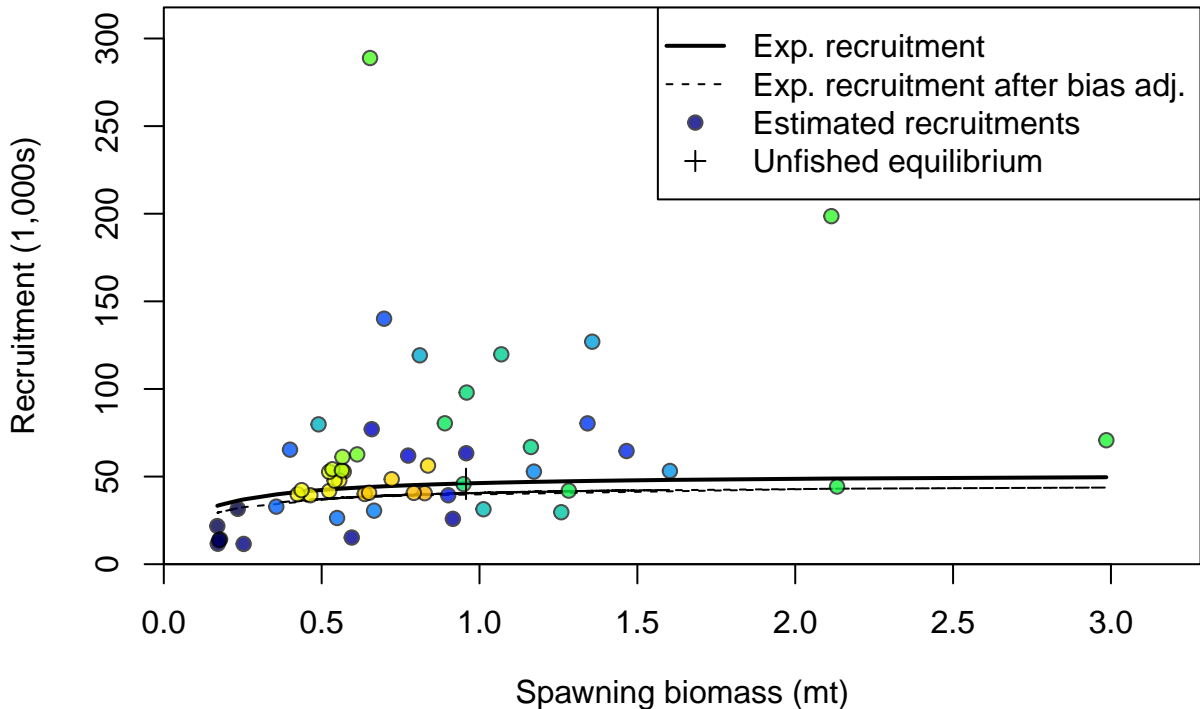
Summary Fishing Mortality

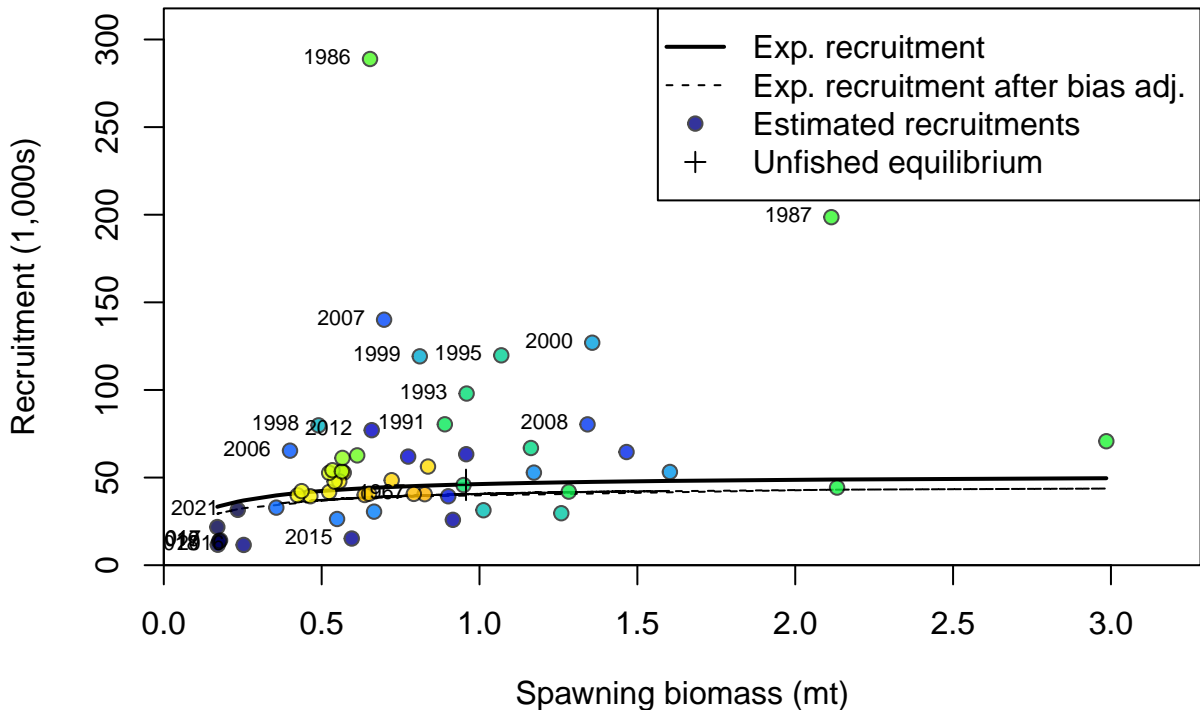




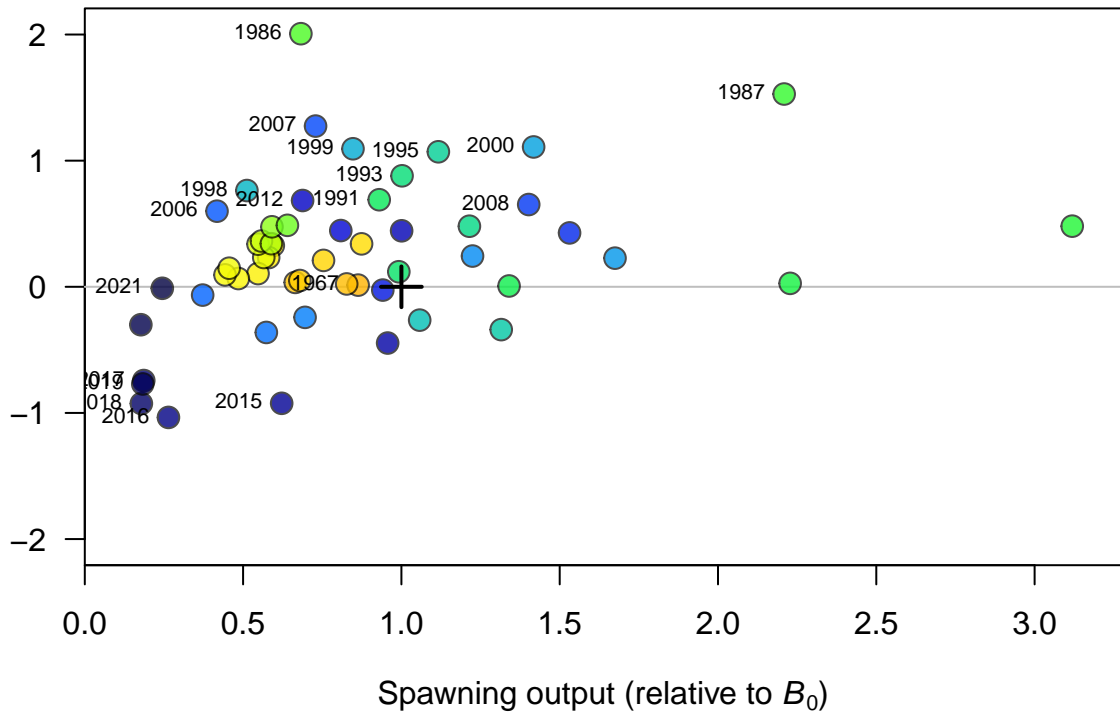
Log recruitment deviation

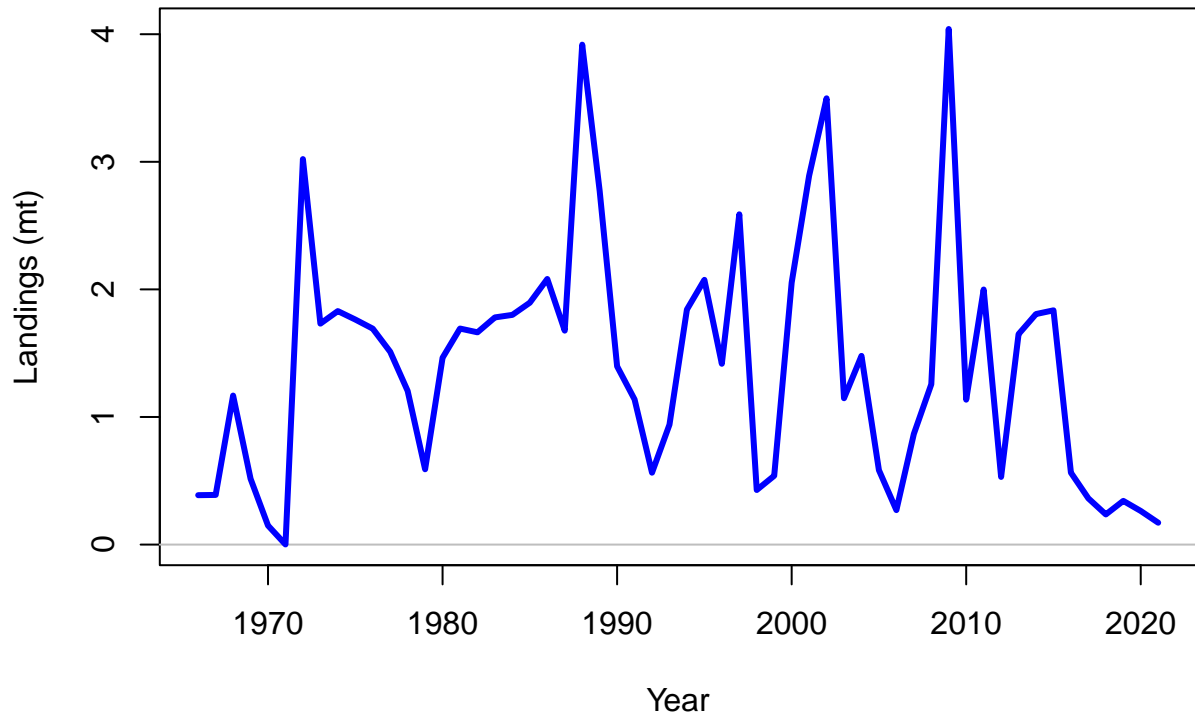


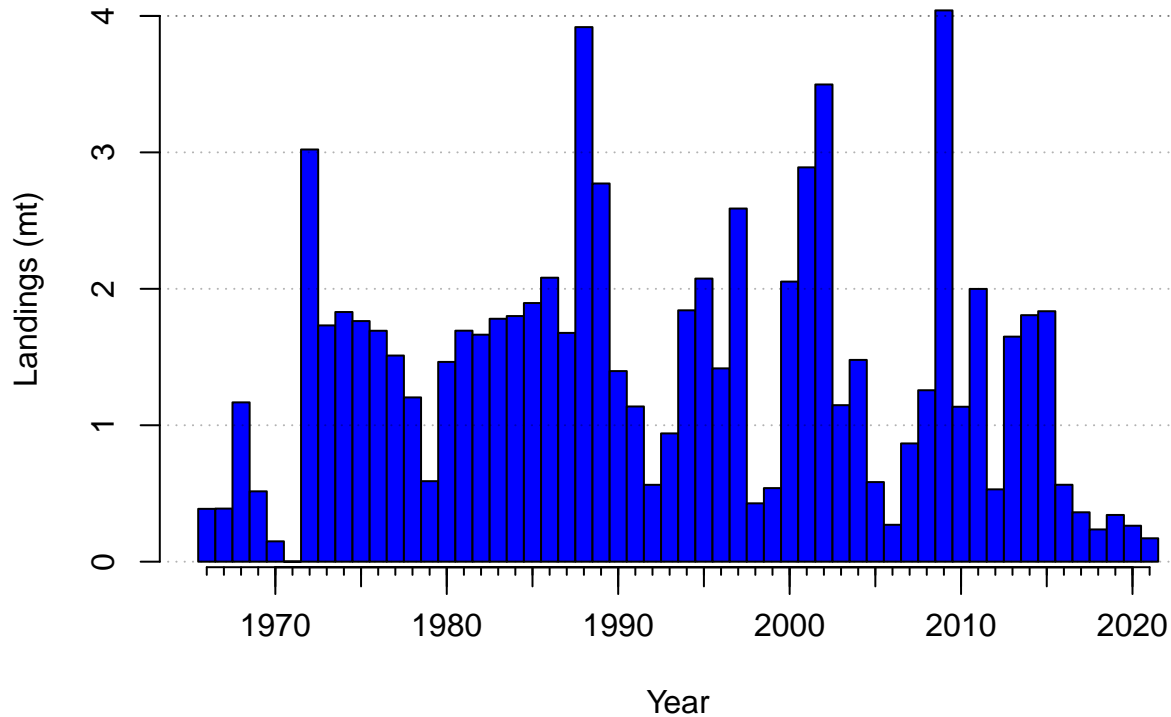




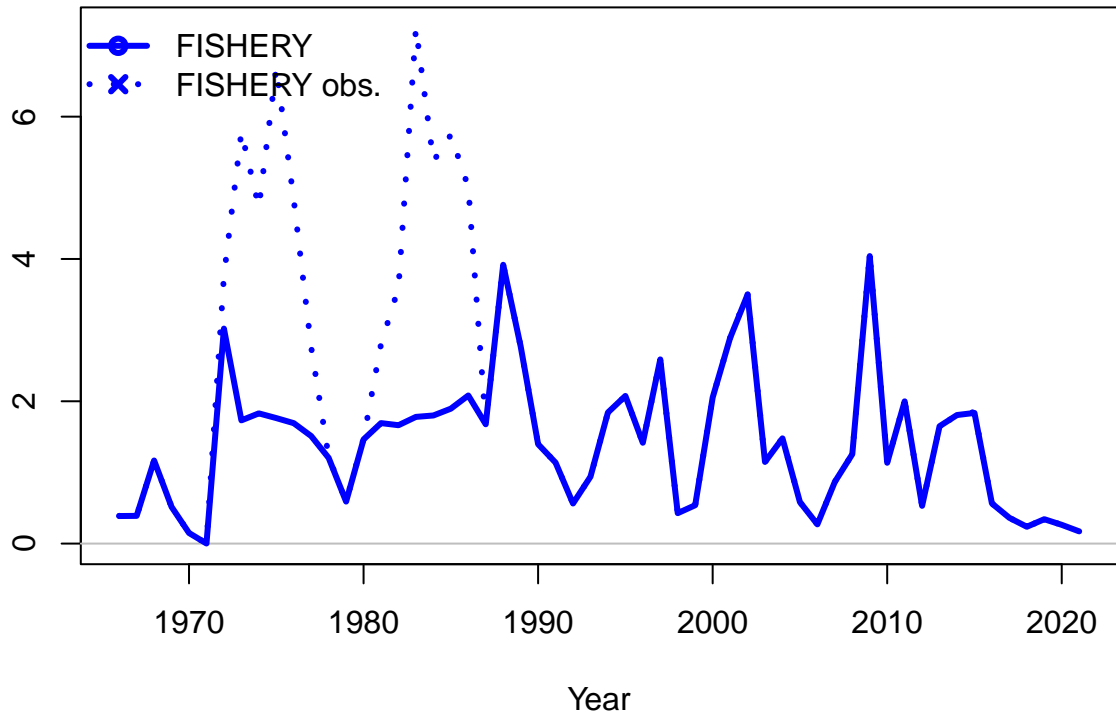
Log recruitment deviation

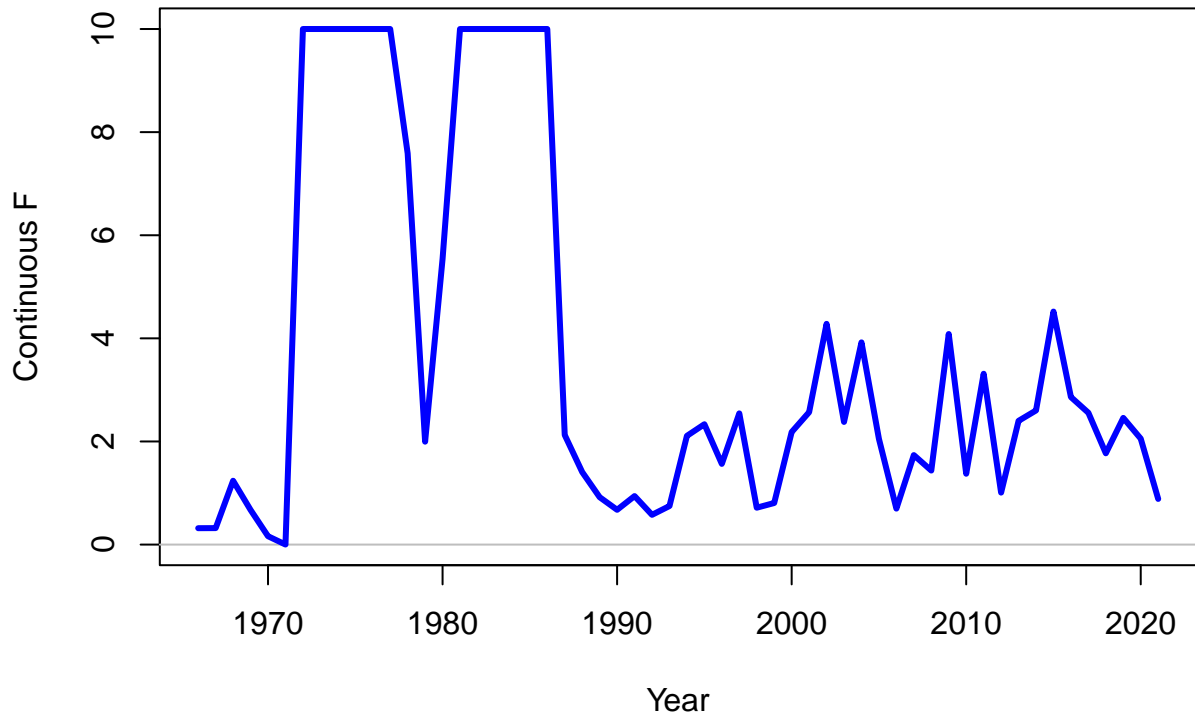




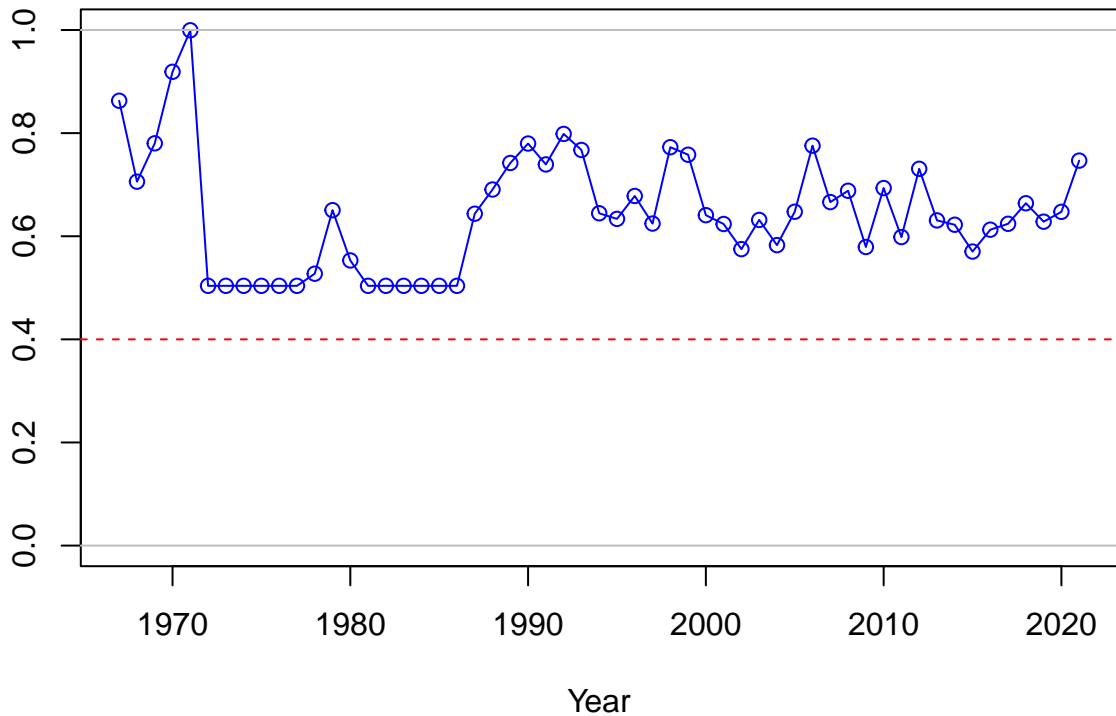


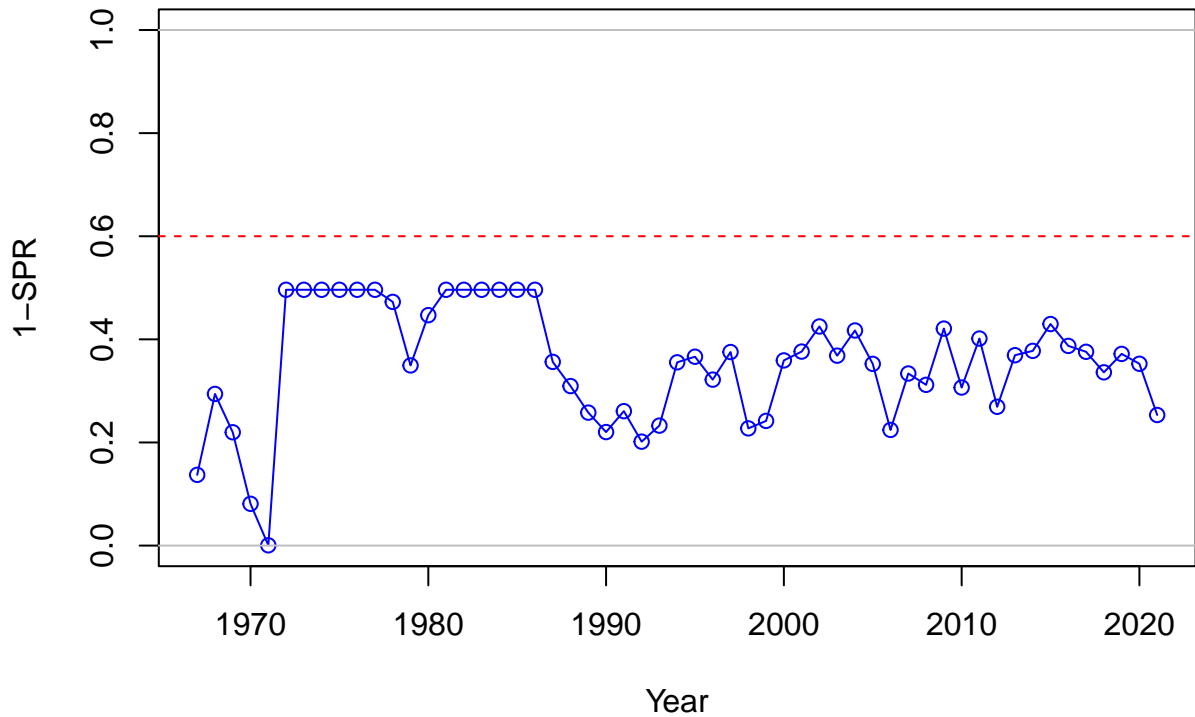
Observed and expected Landings (mt)



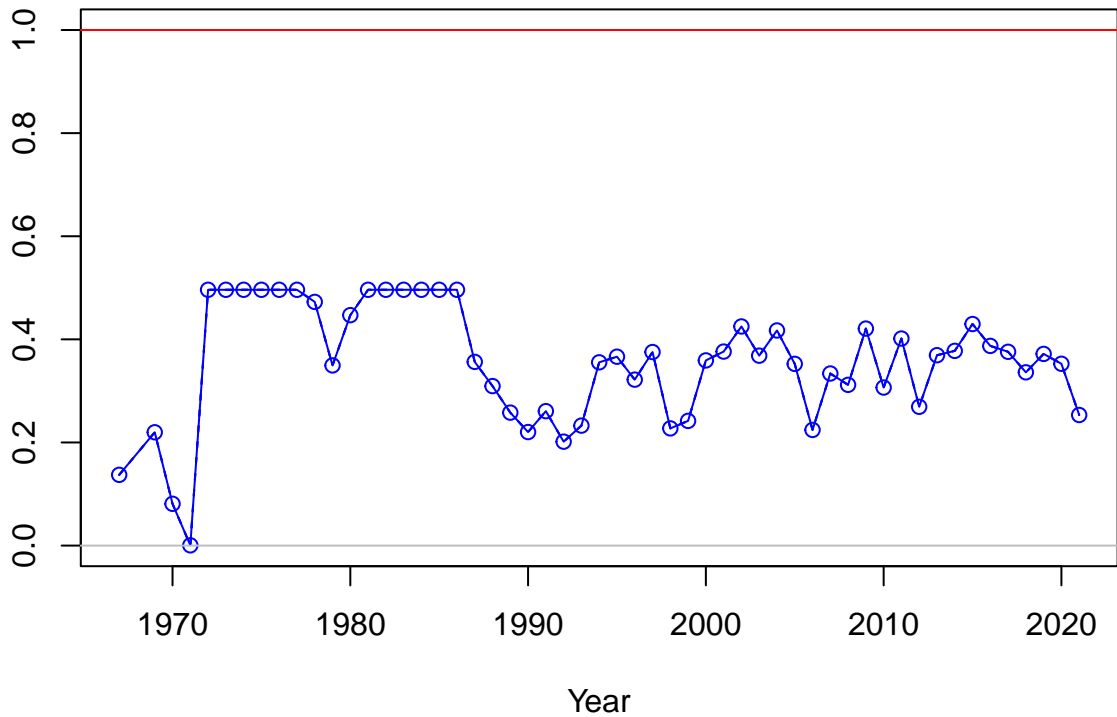


SPR

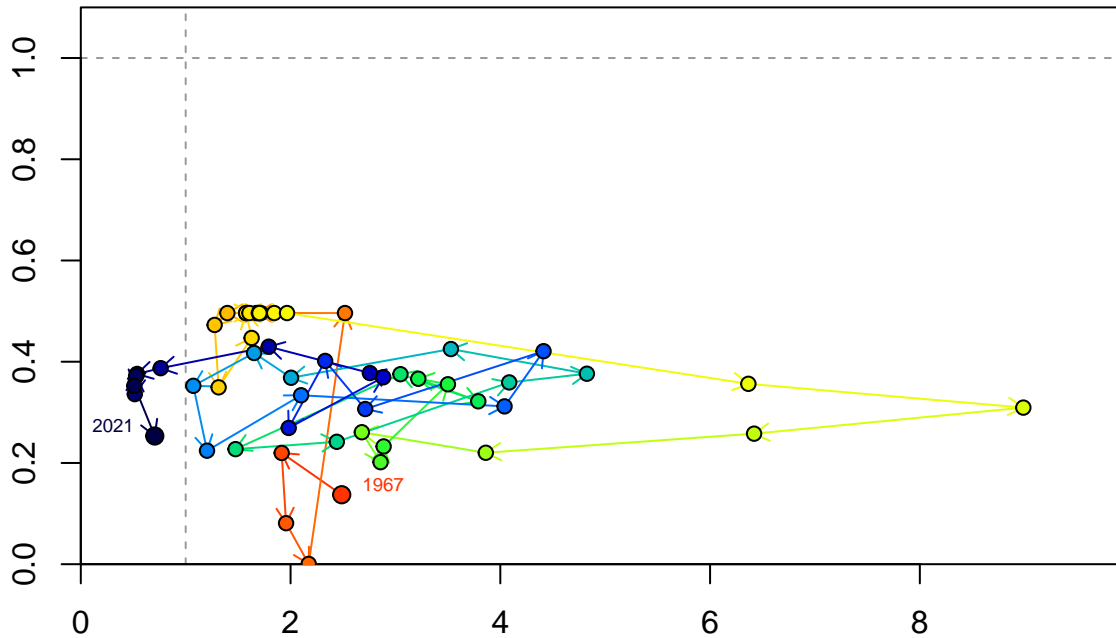




Fishing intensity: 1-SPR

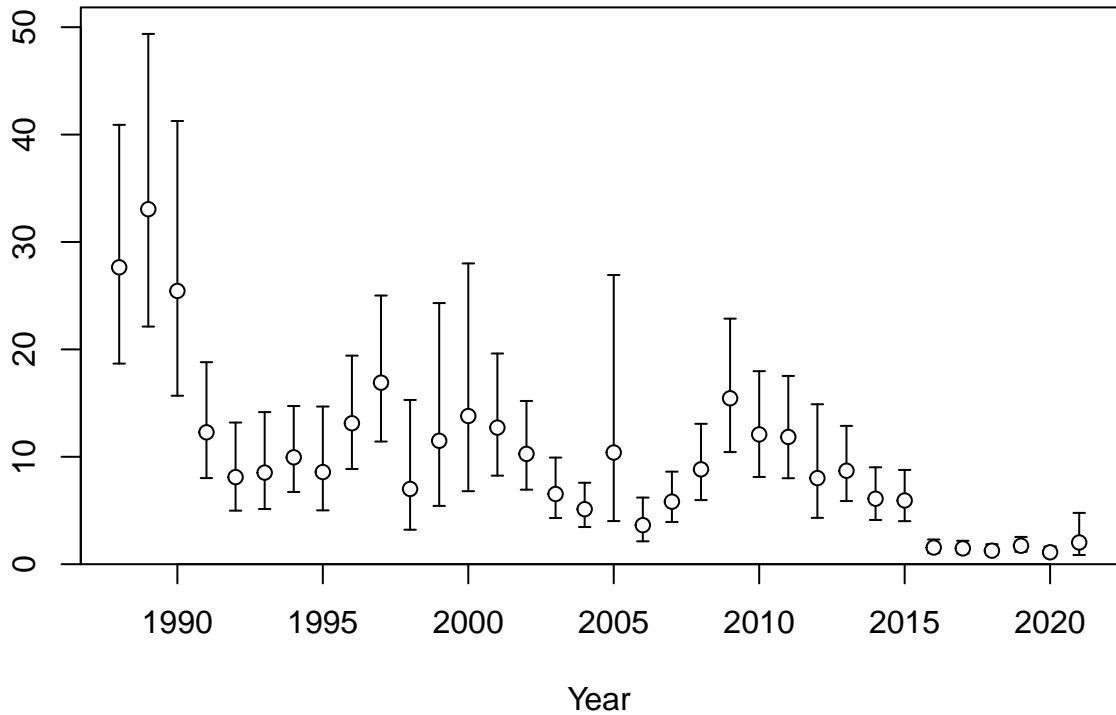


Fishing intensity: 1-SPR

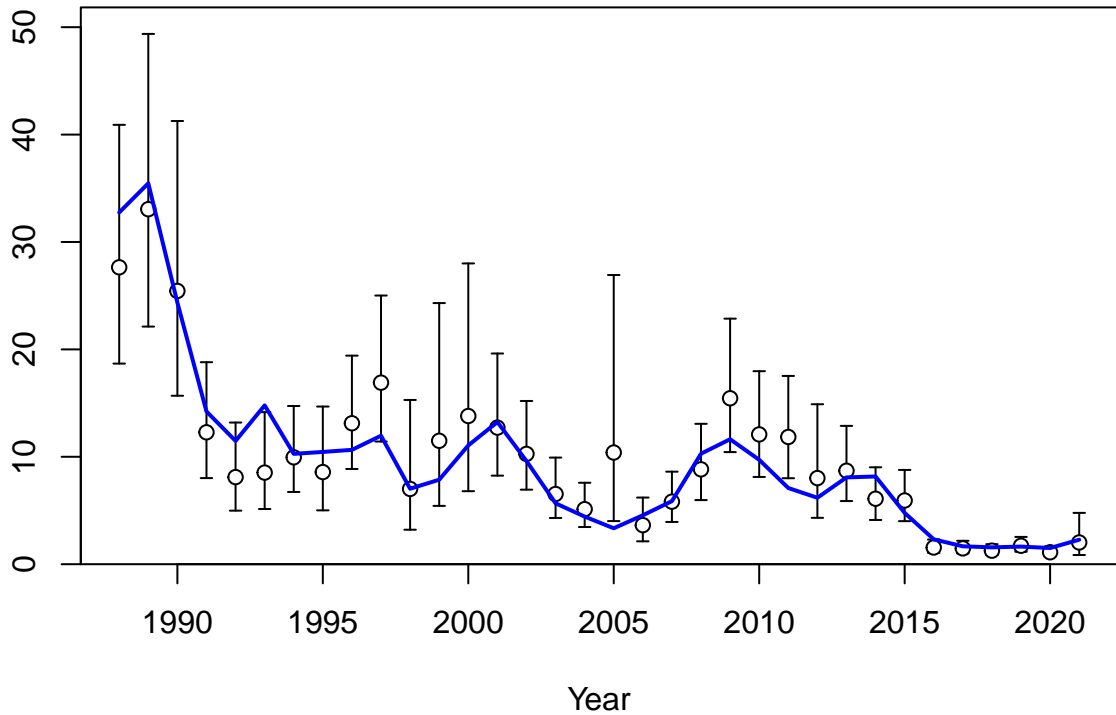


Relative spawning output: B/B_MSY

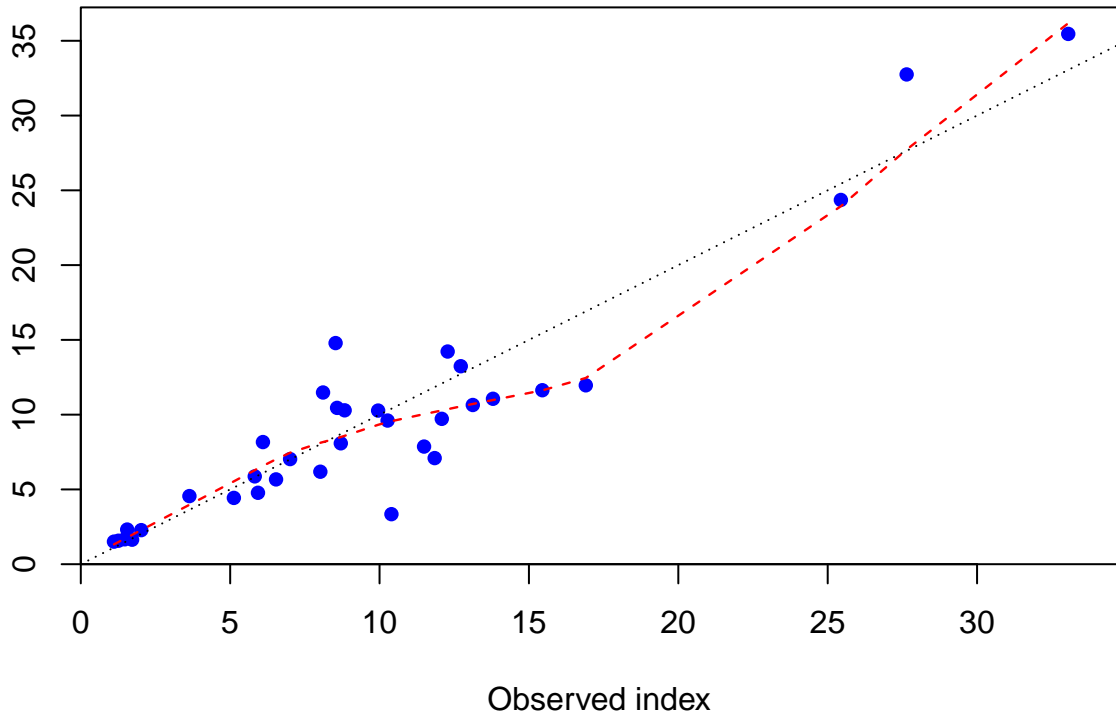
Index



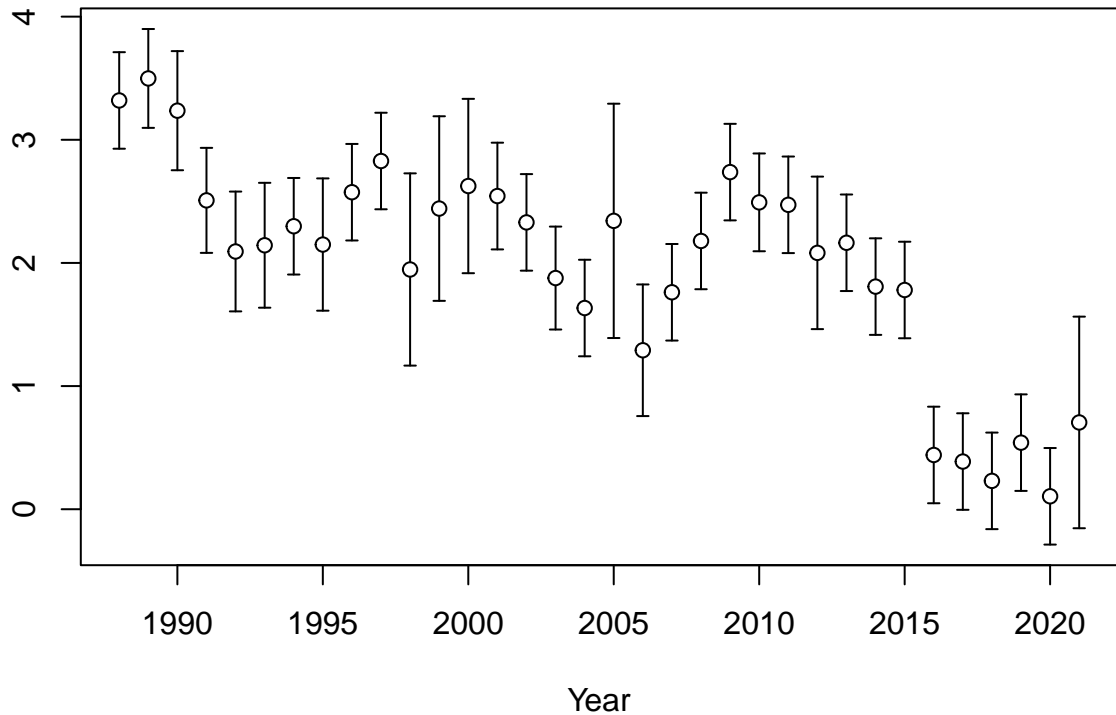
Index



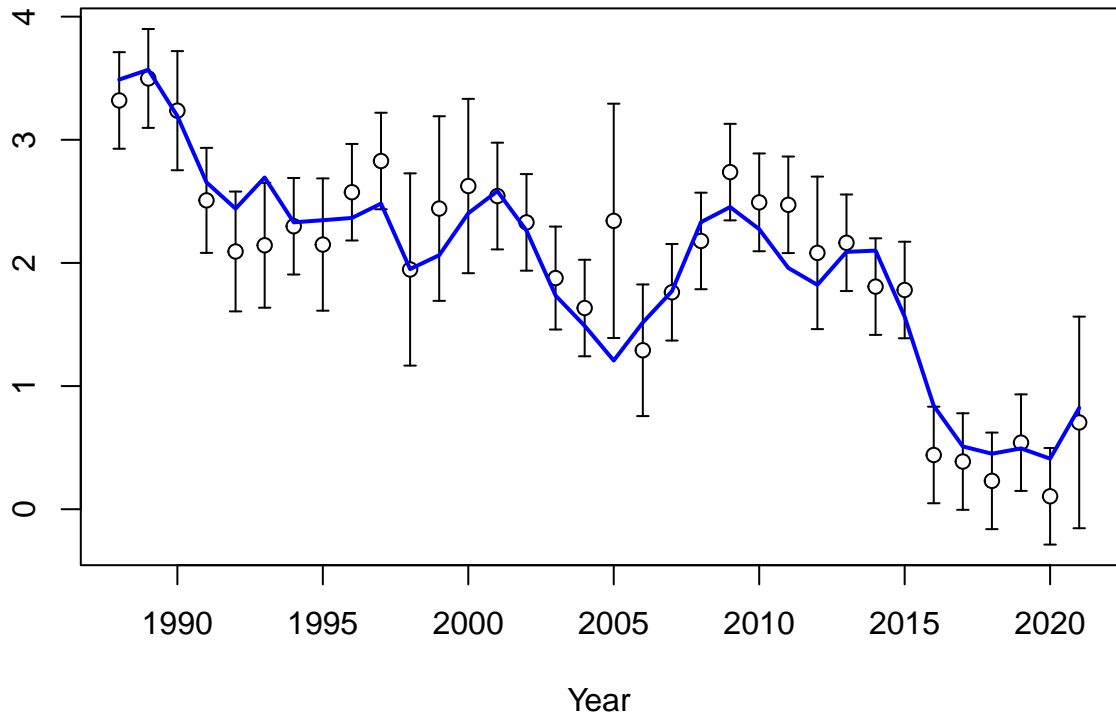
Expected index

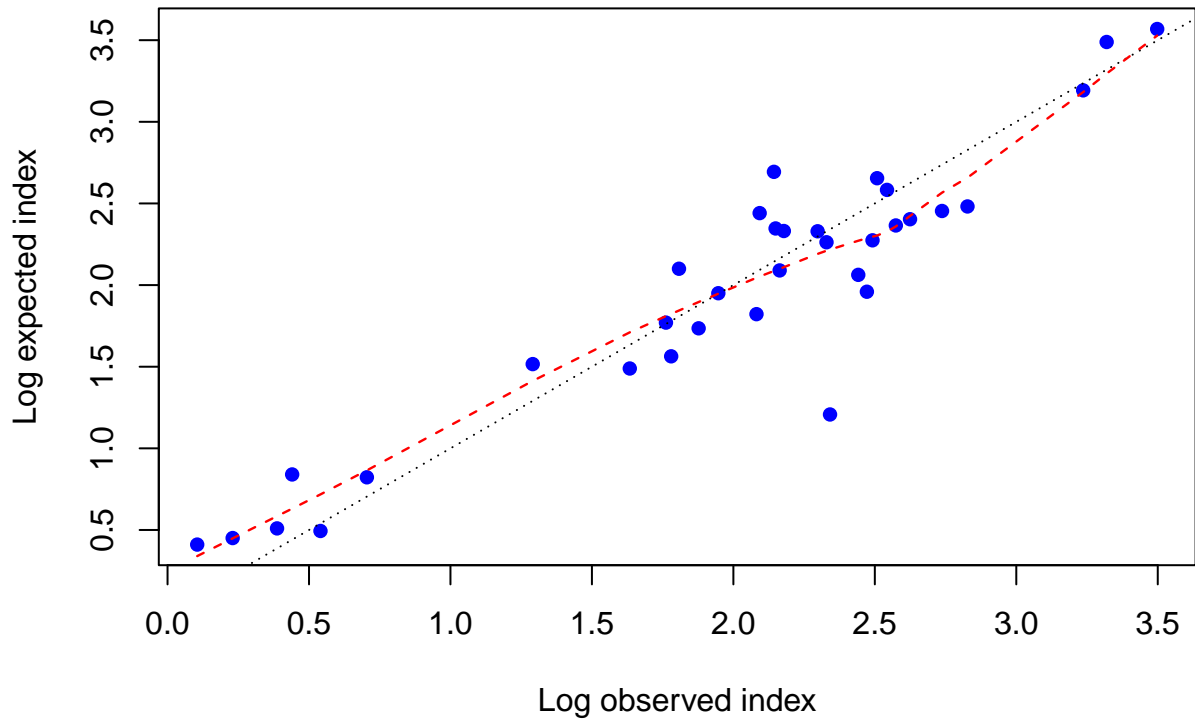


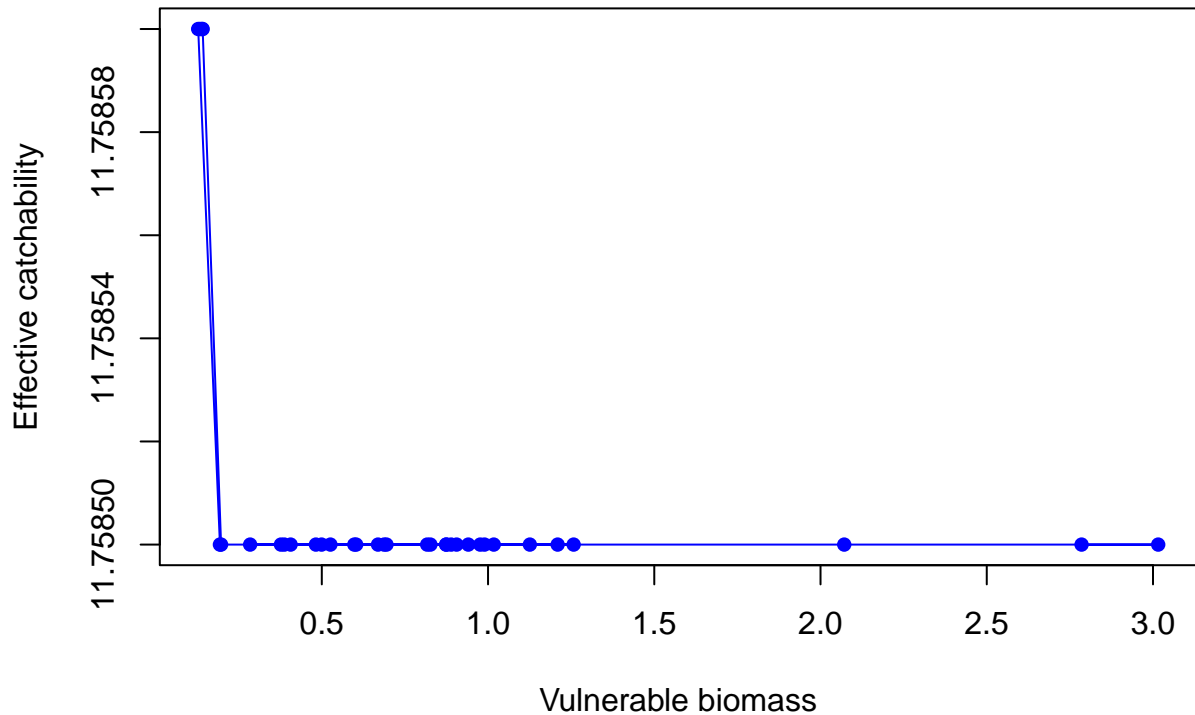
Log index

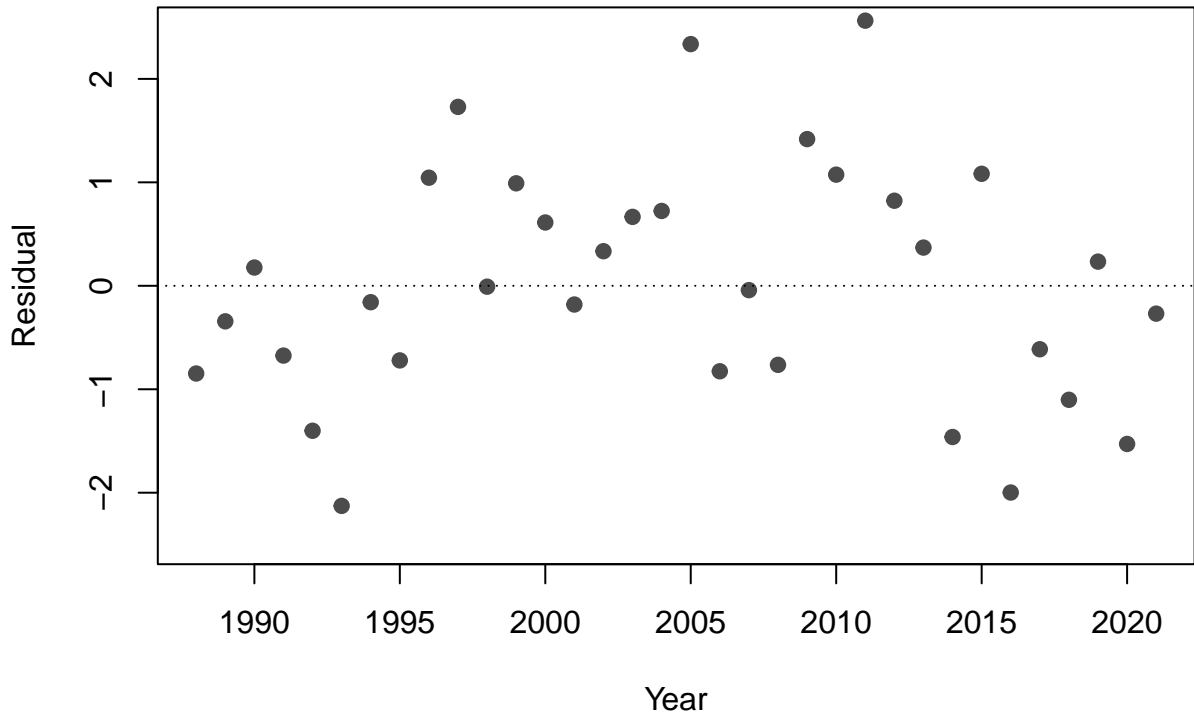


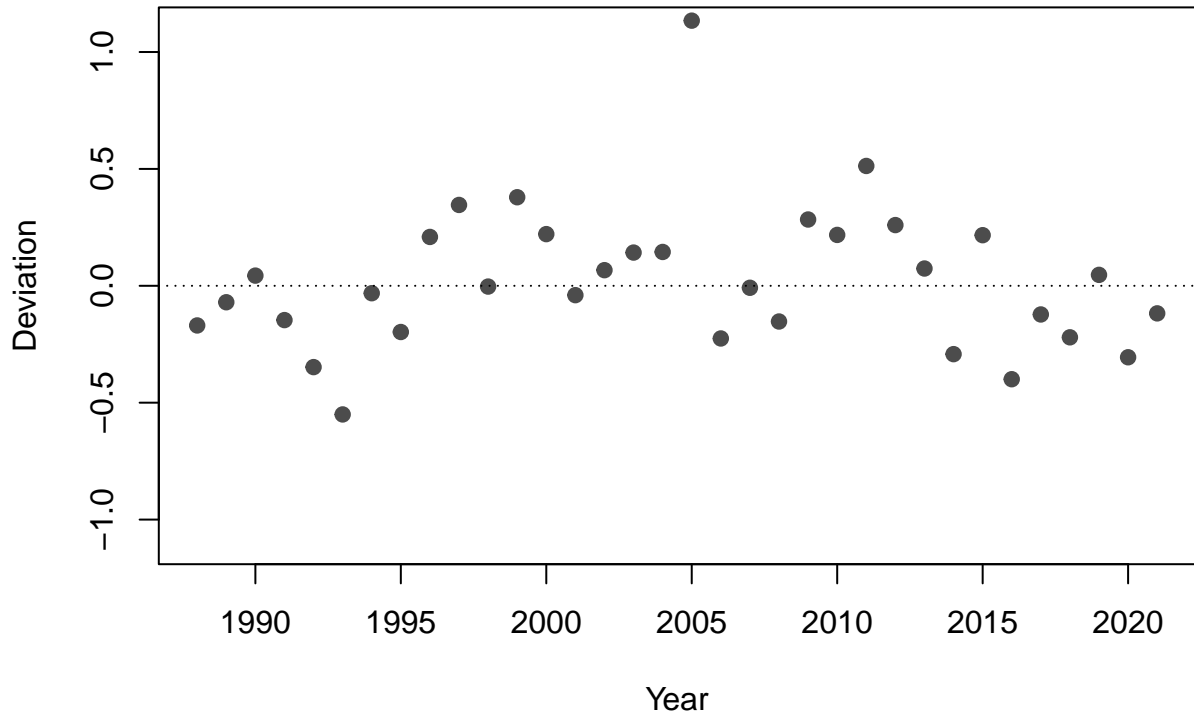
Log index

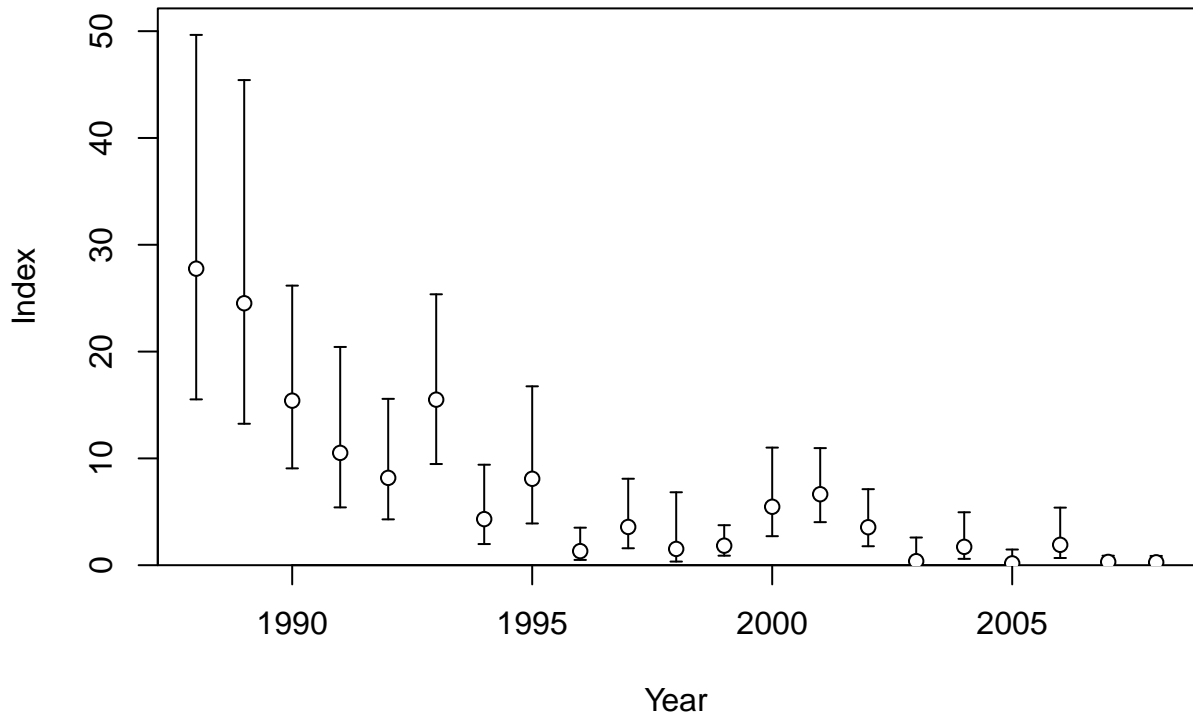


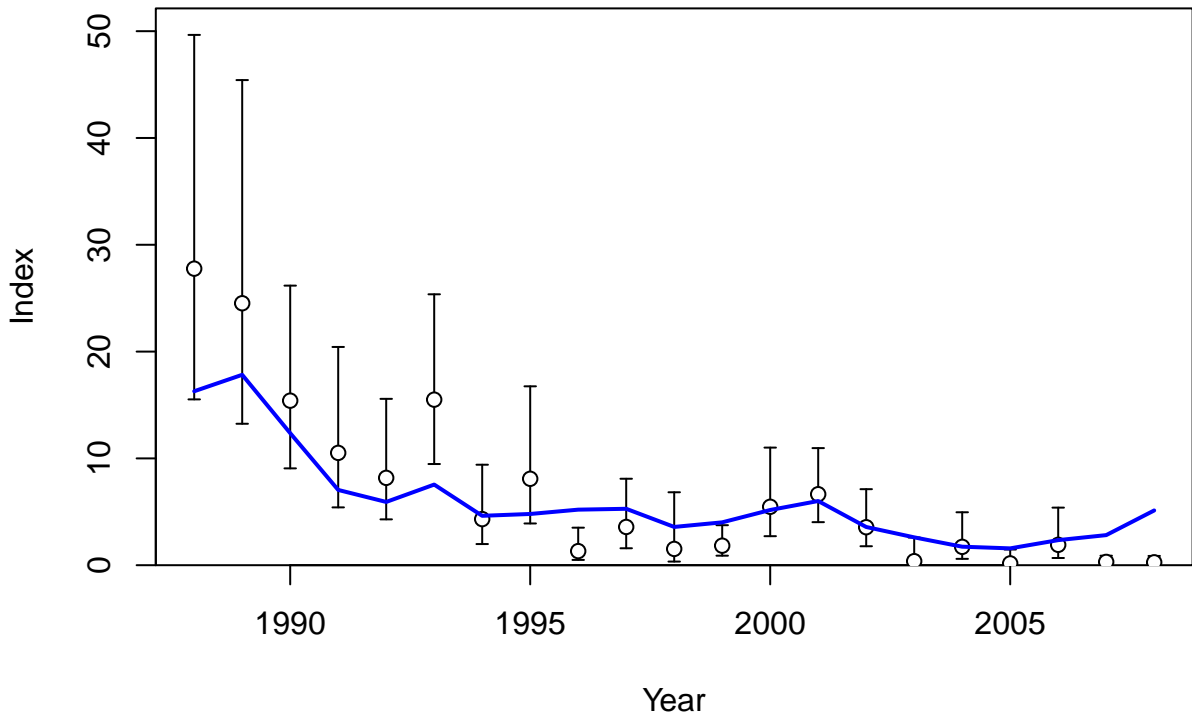


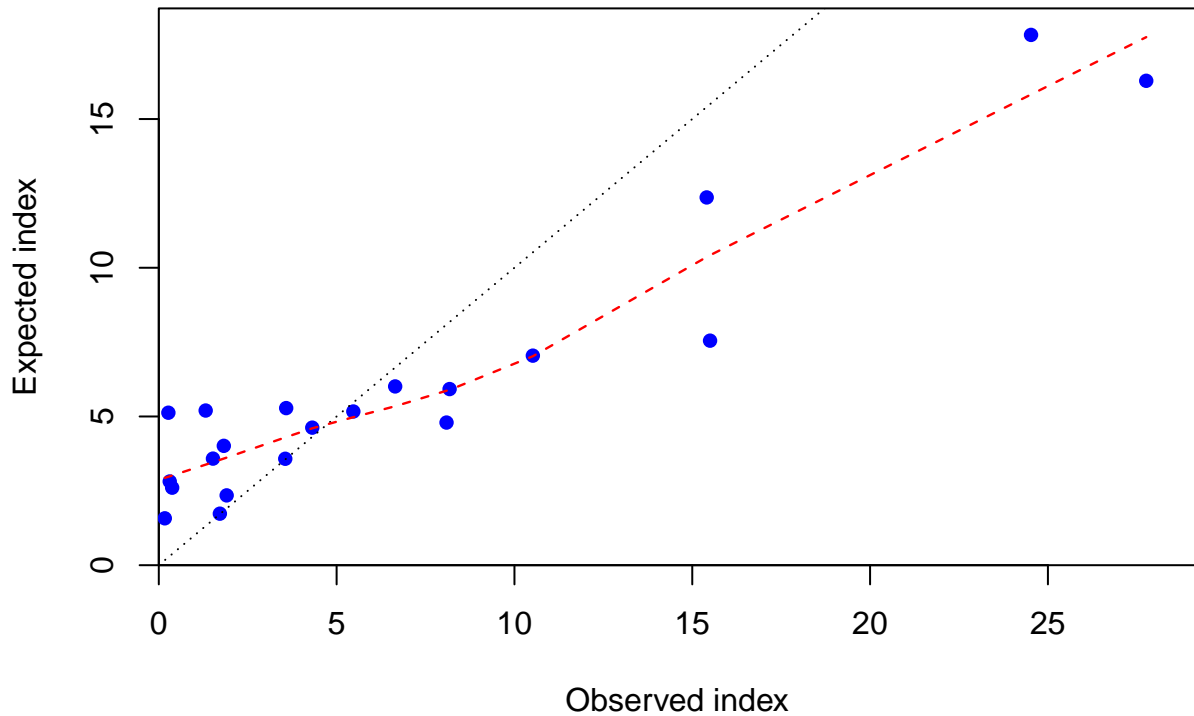


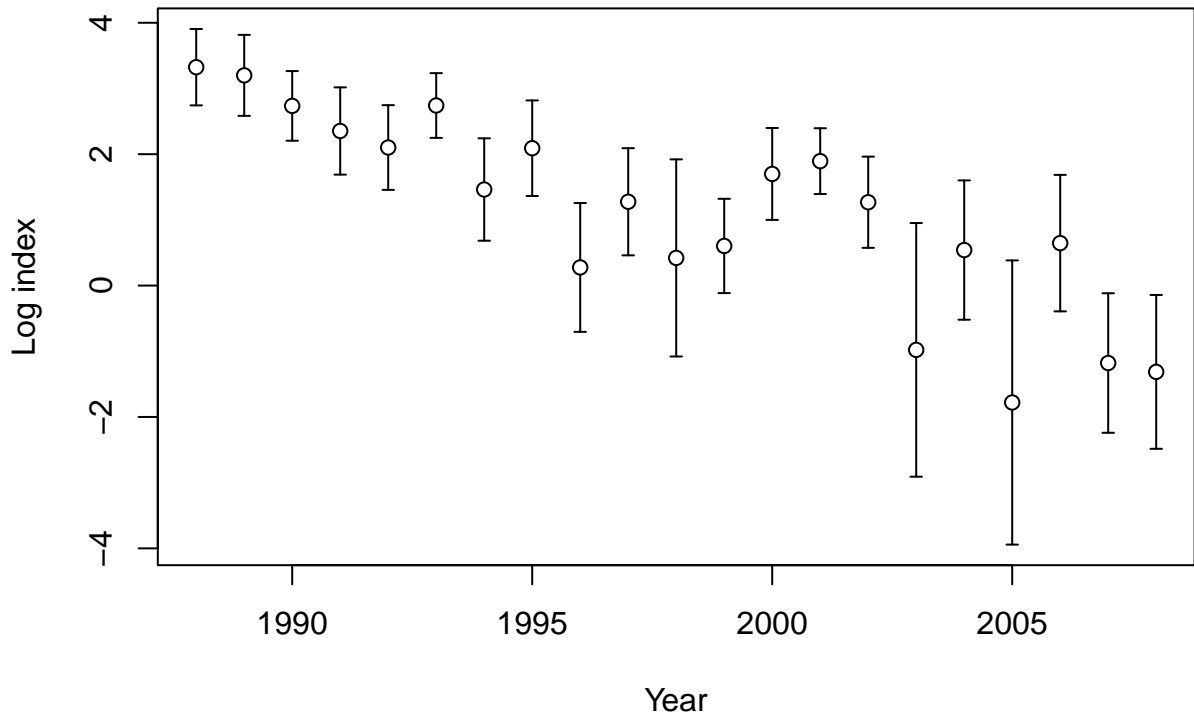


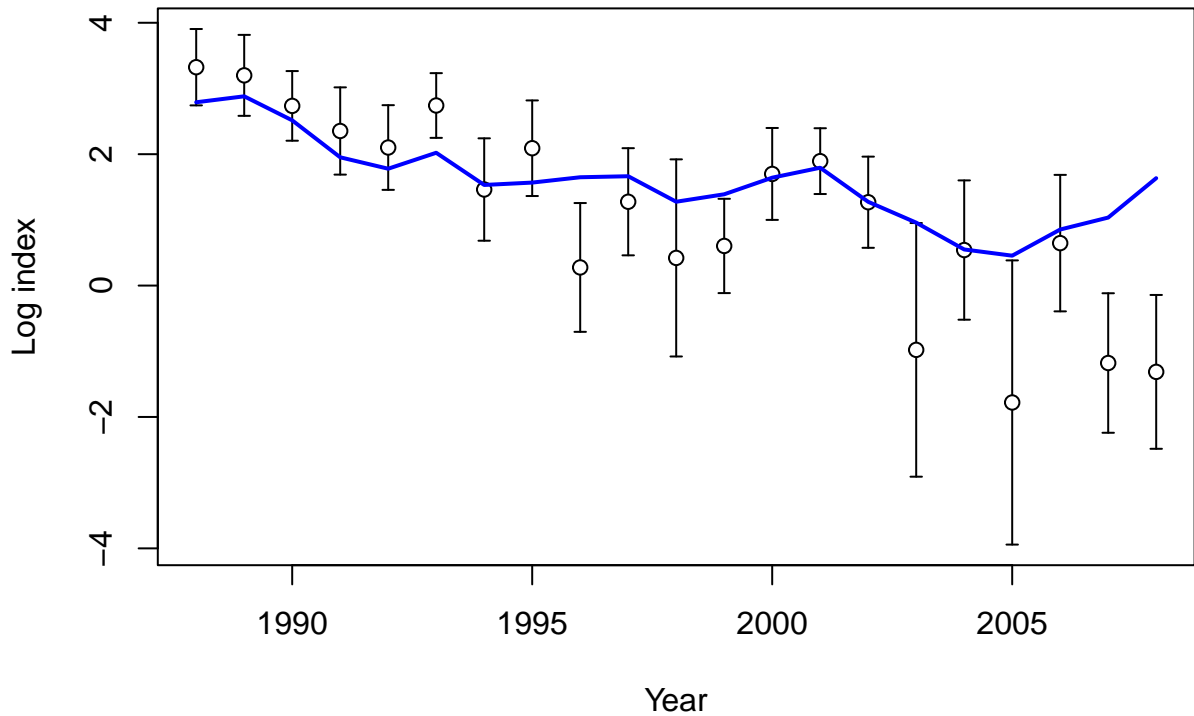


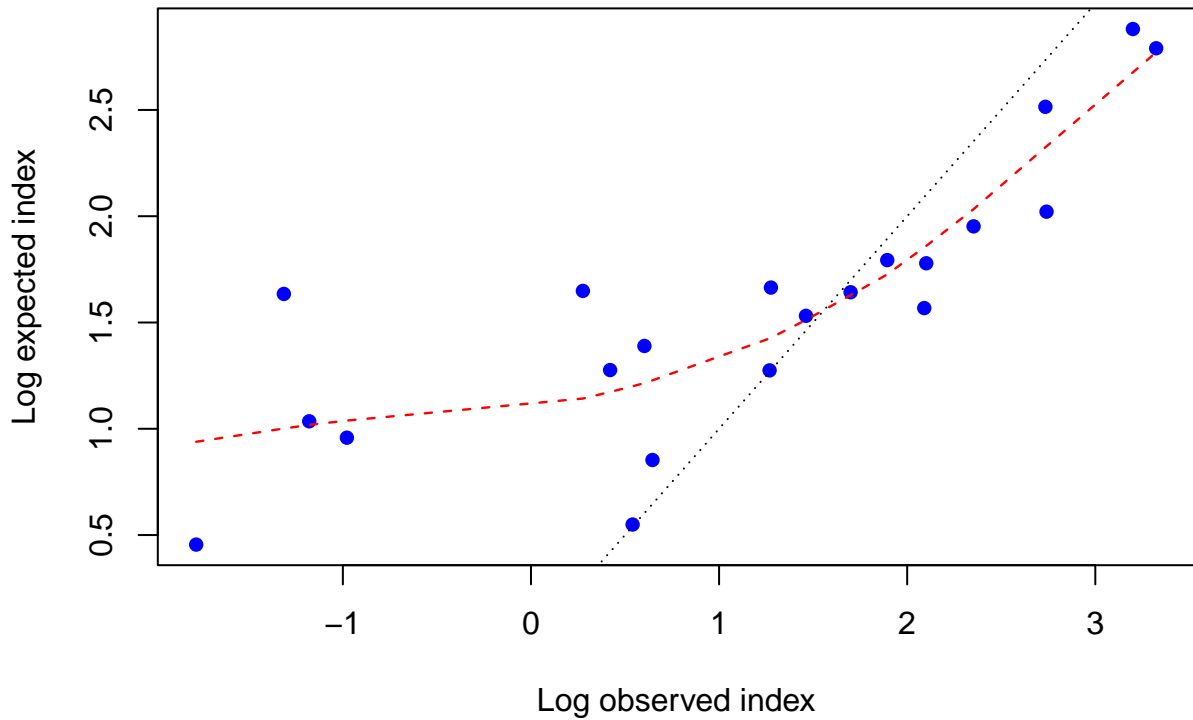




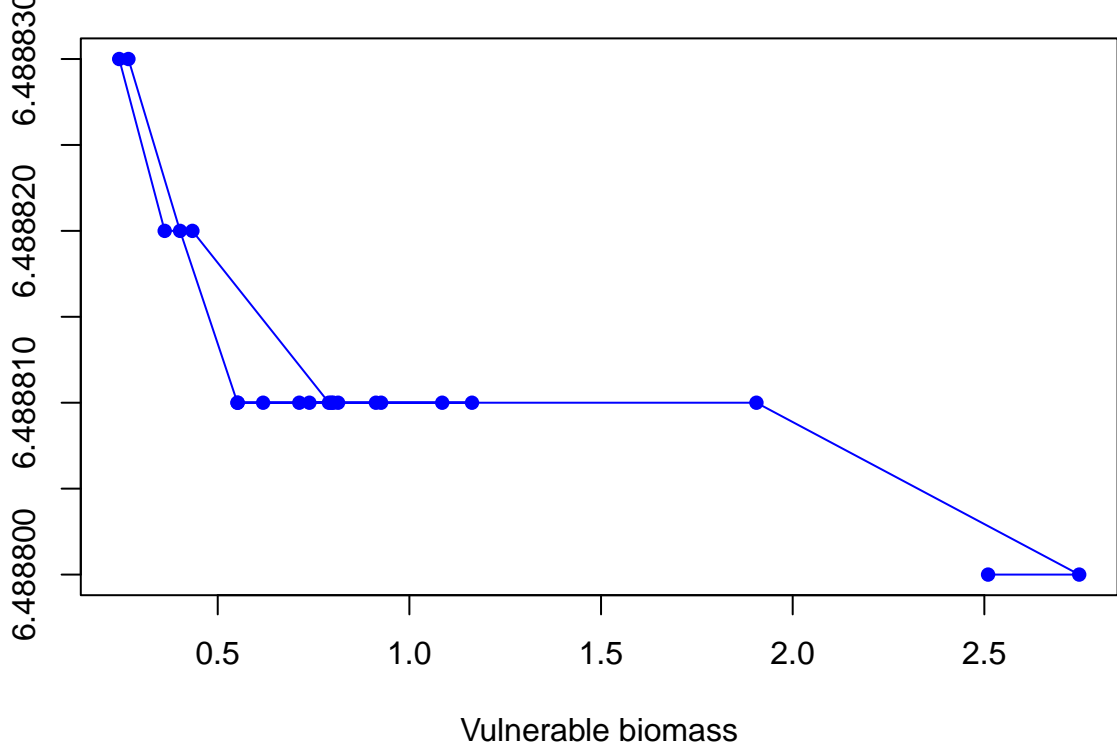


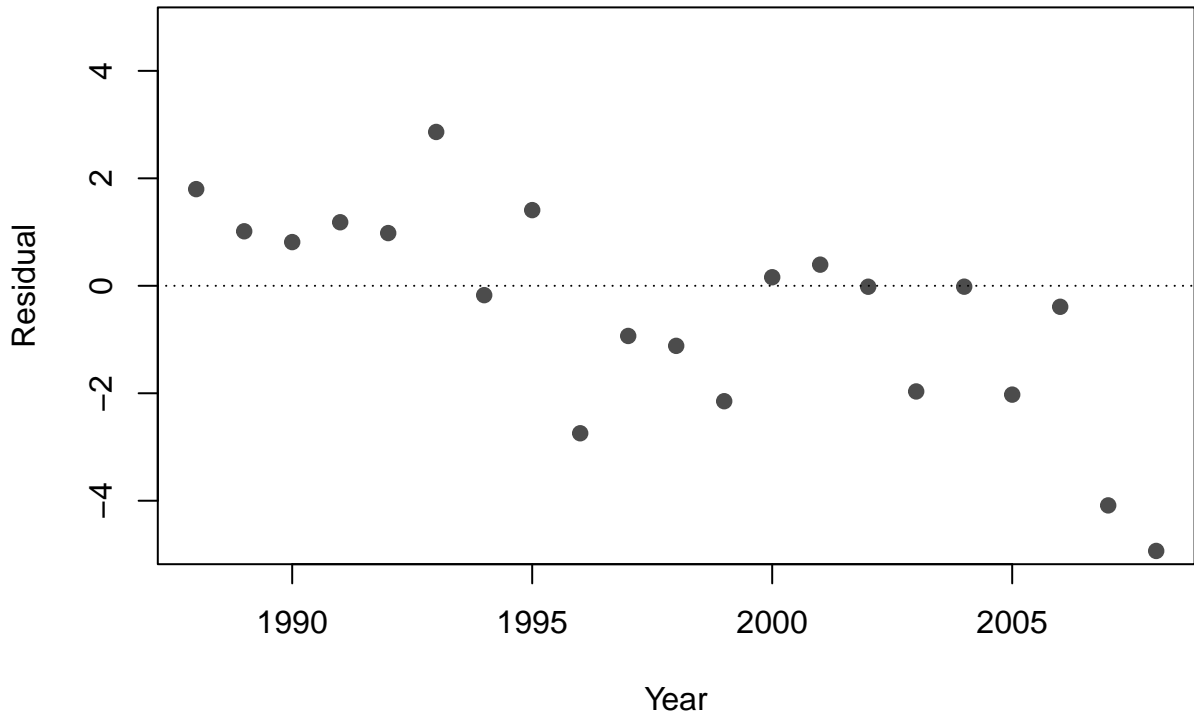




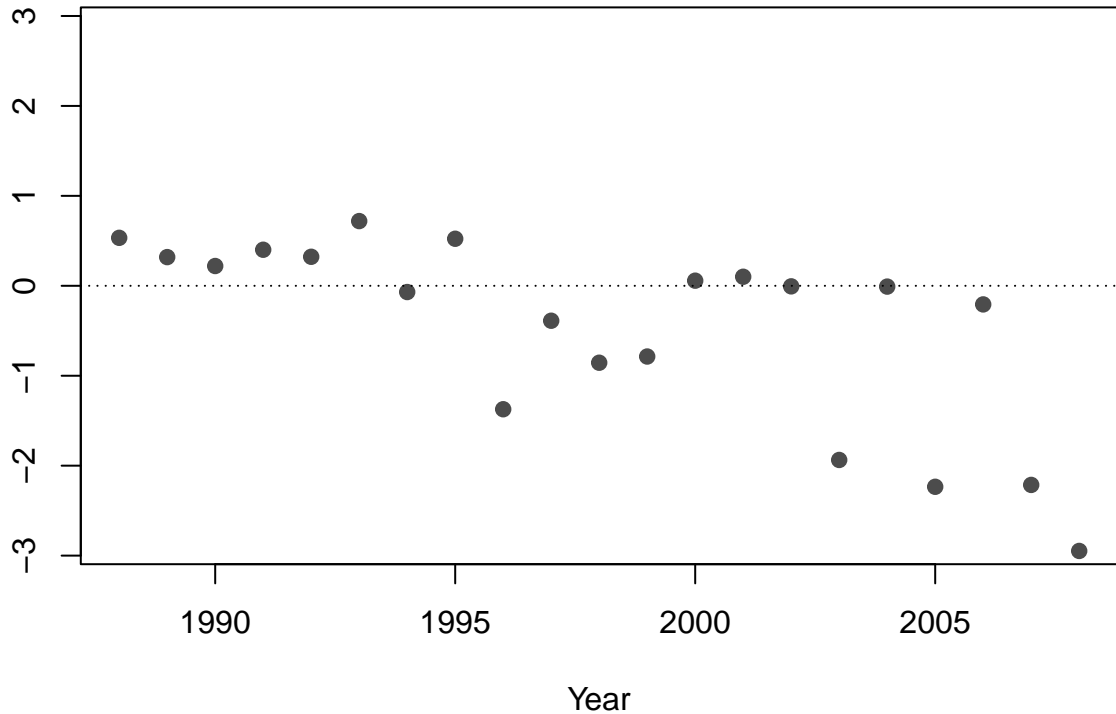


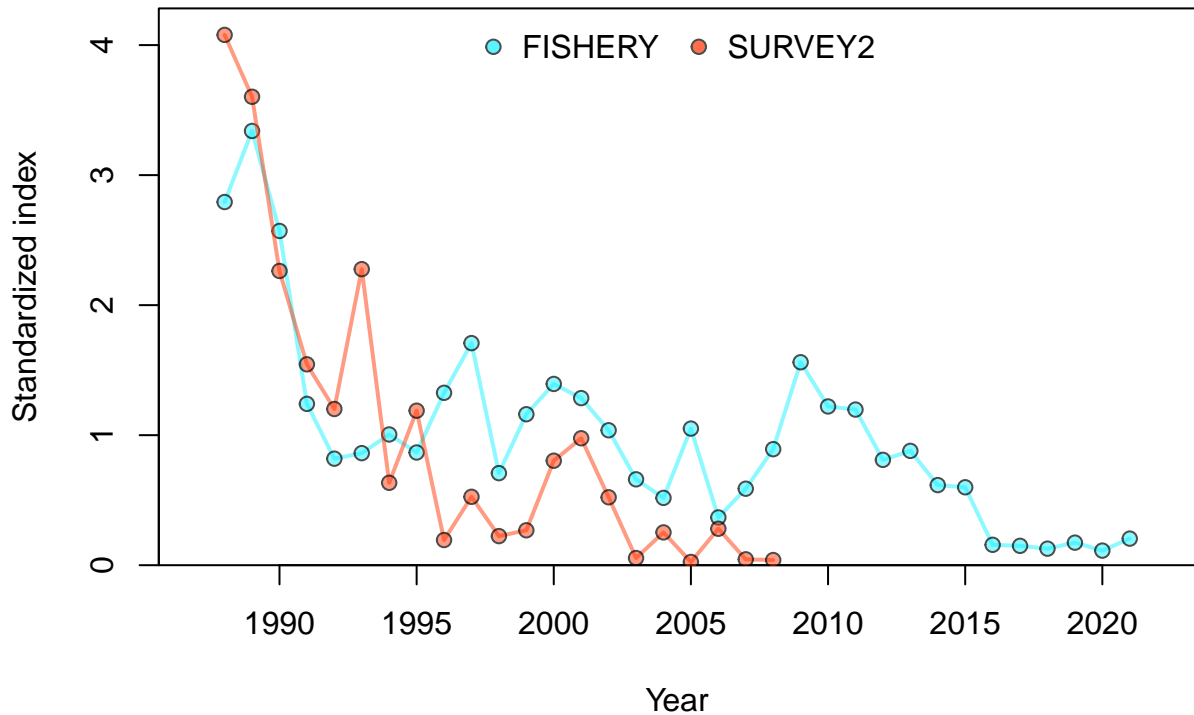
Effective catchability



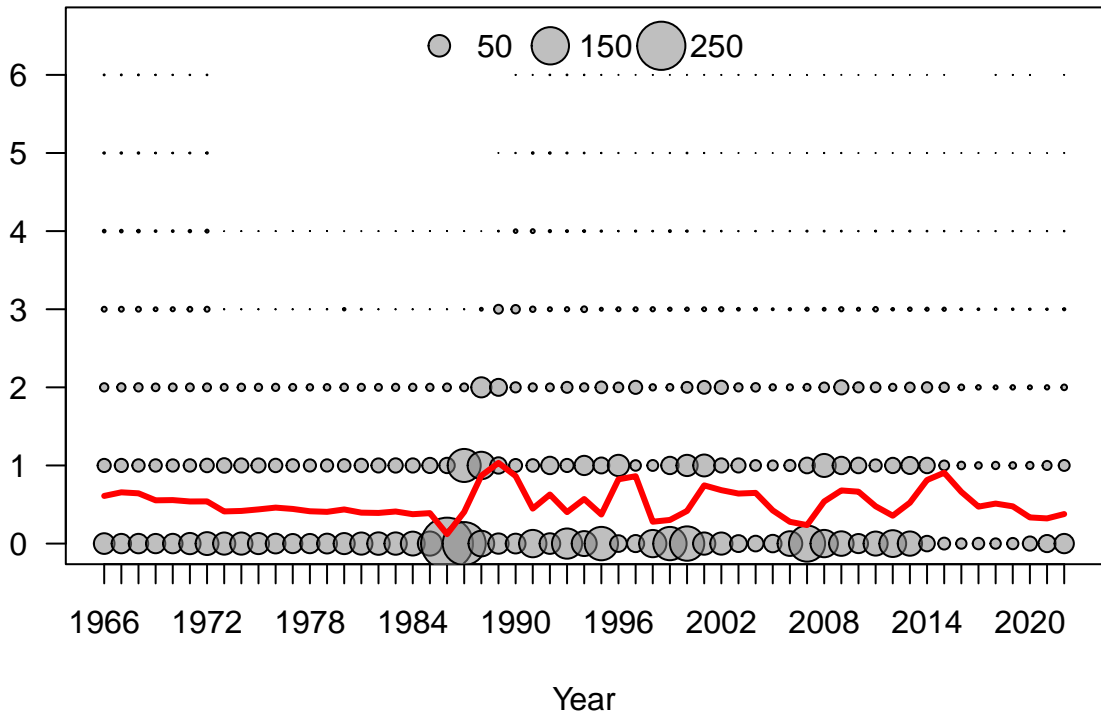


Deviation

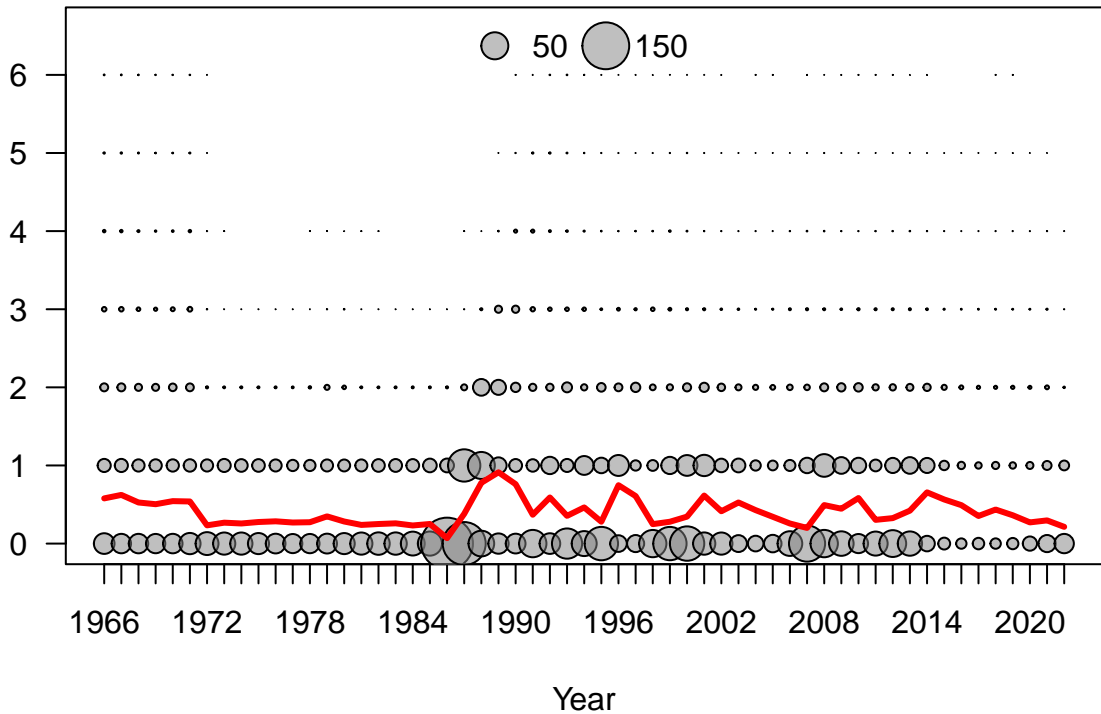


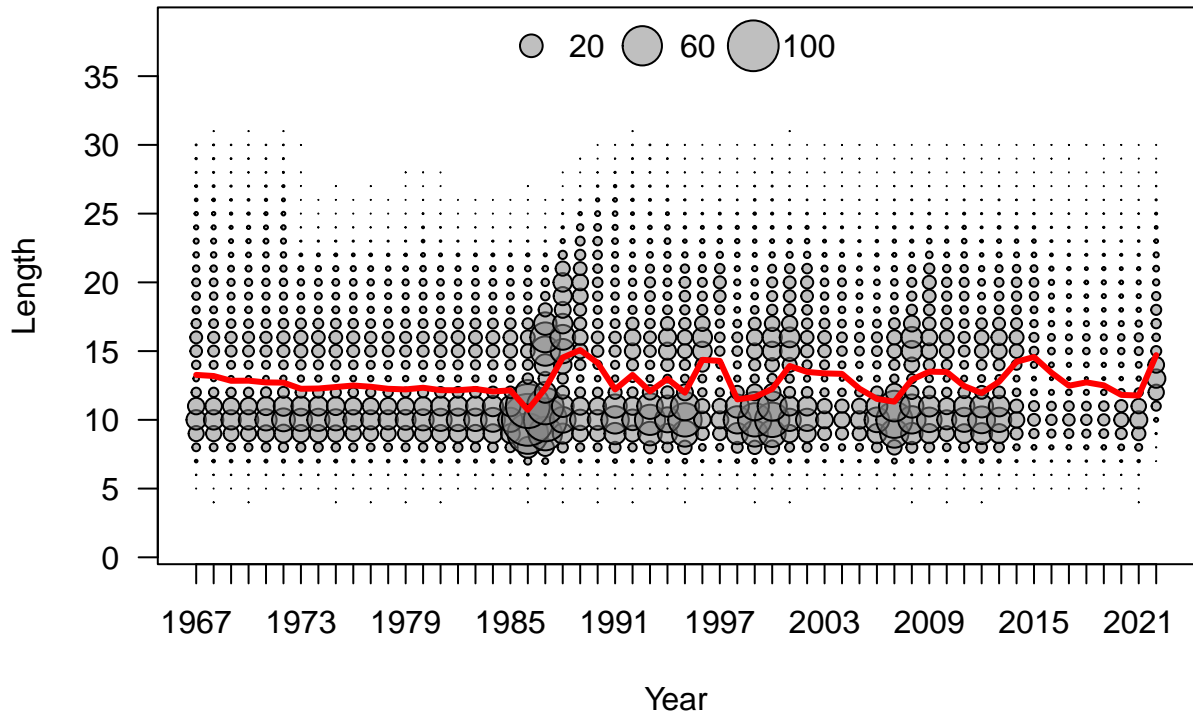


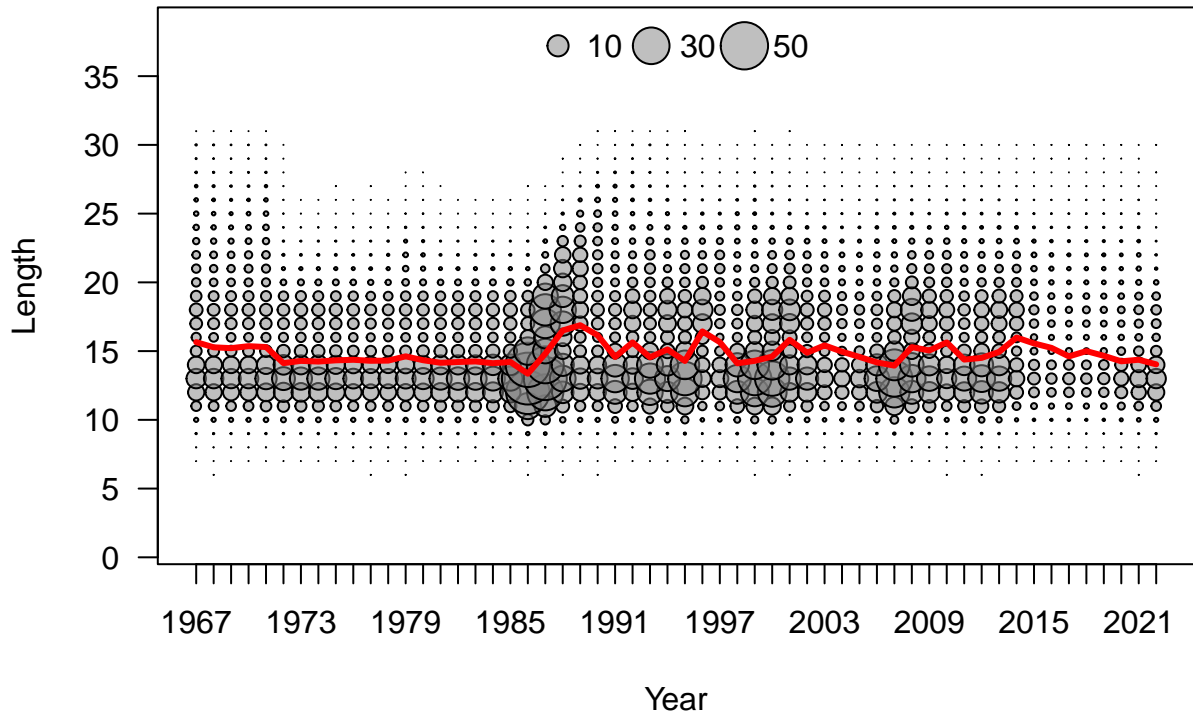
Age

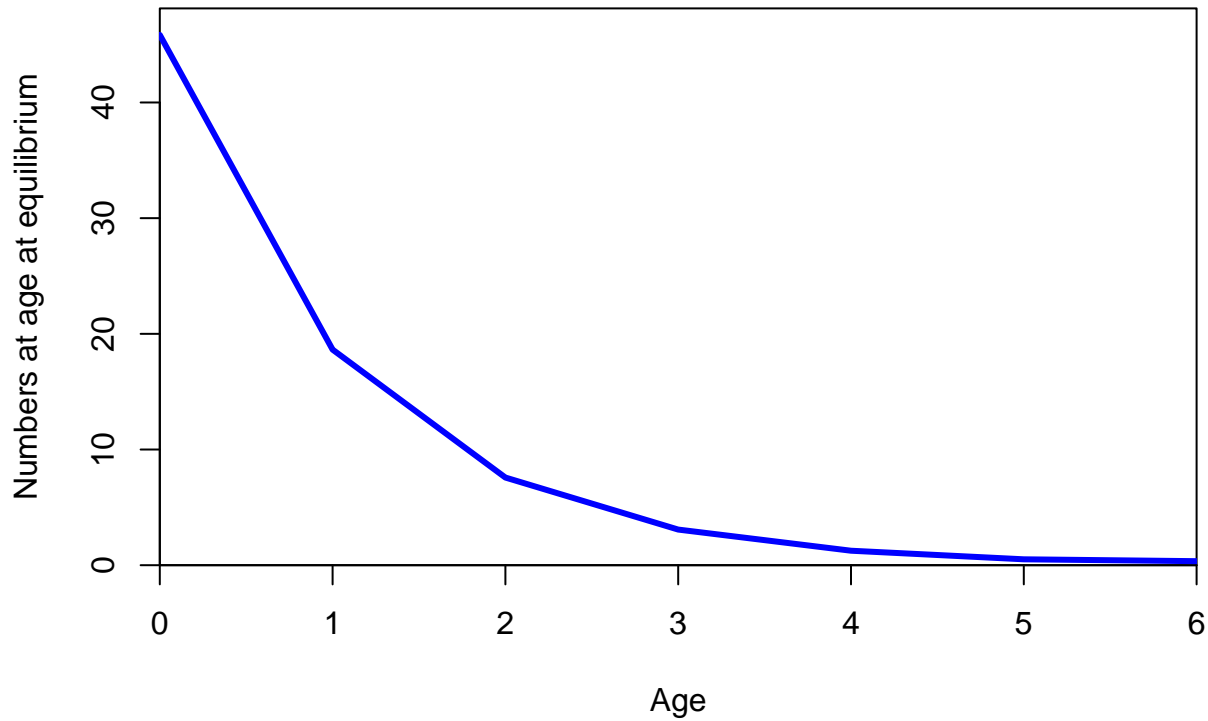


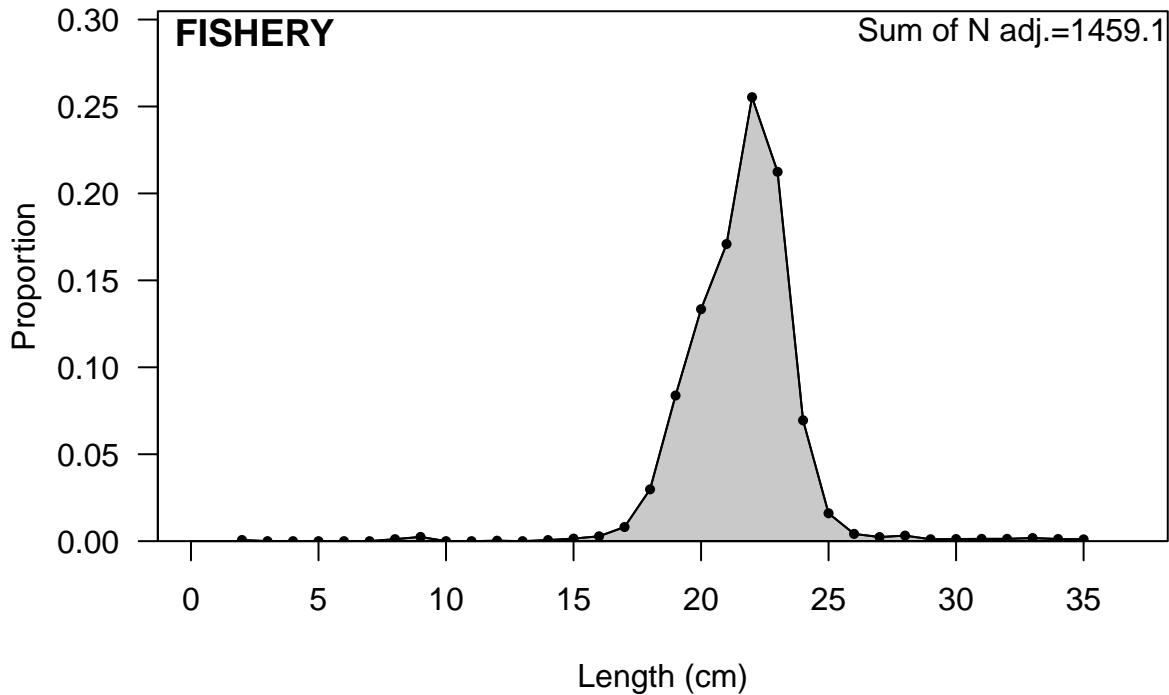
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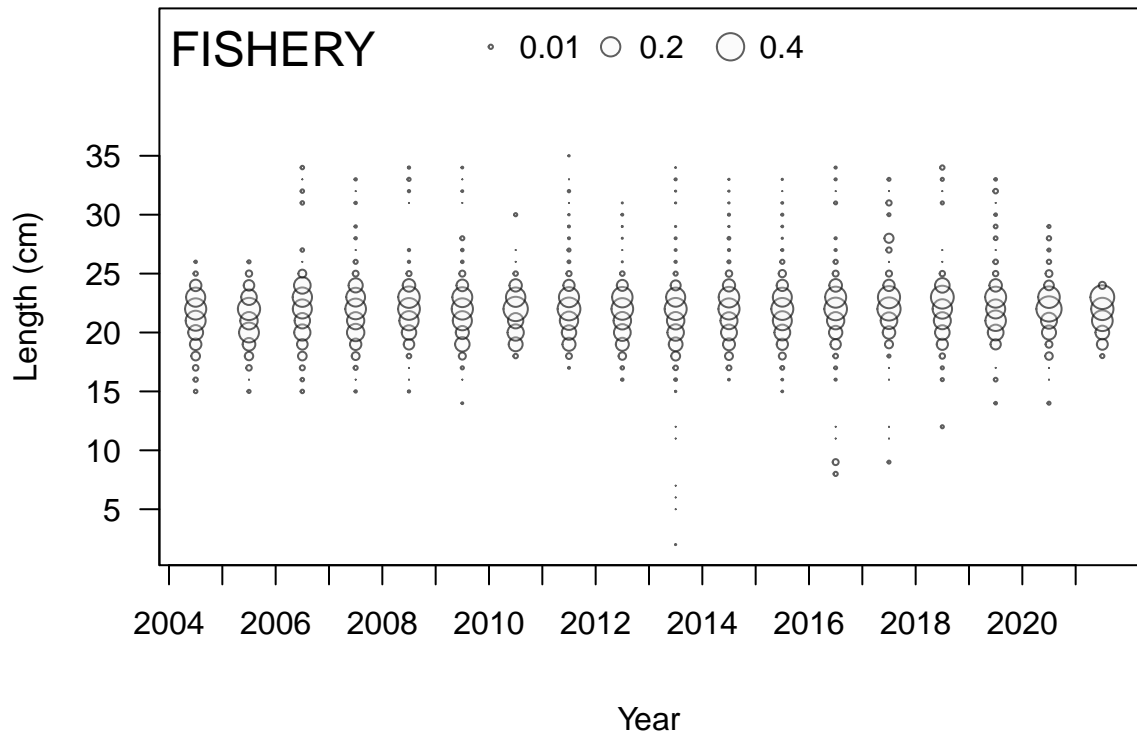


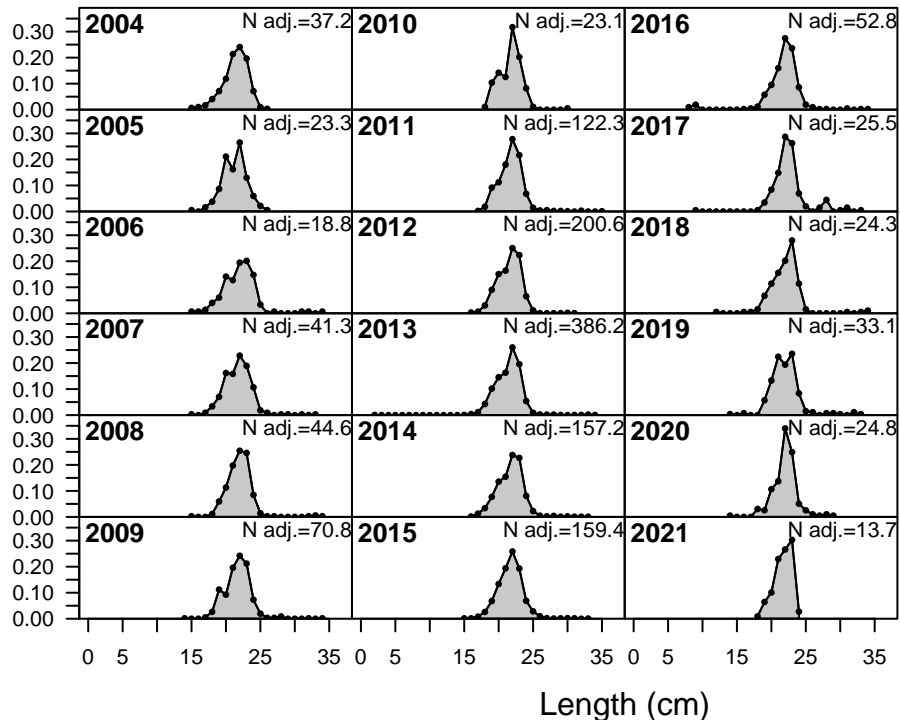


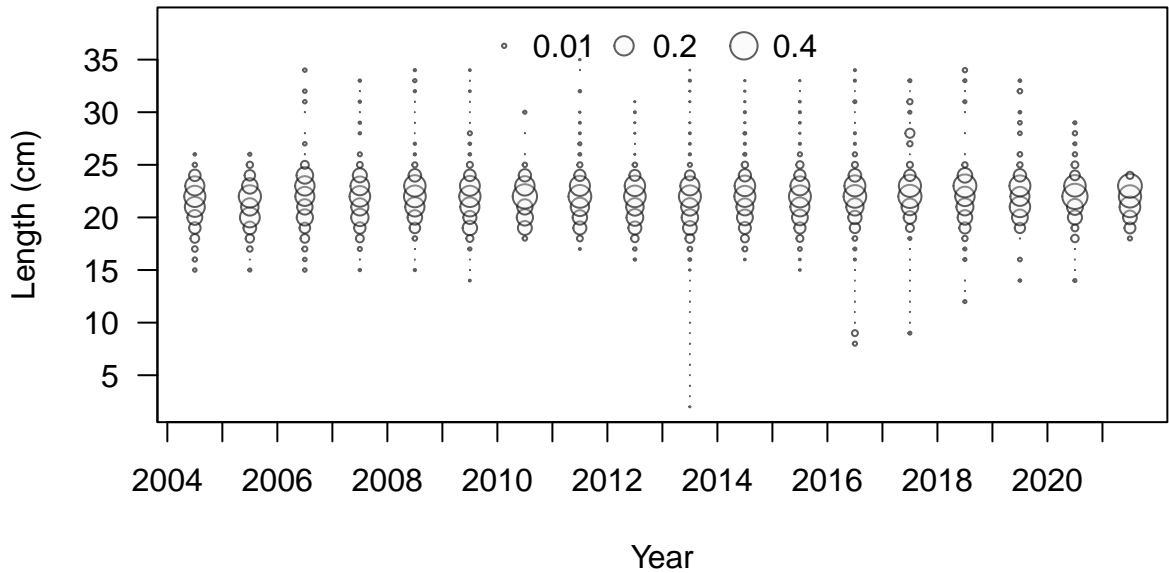




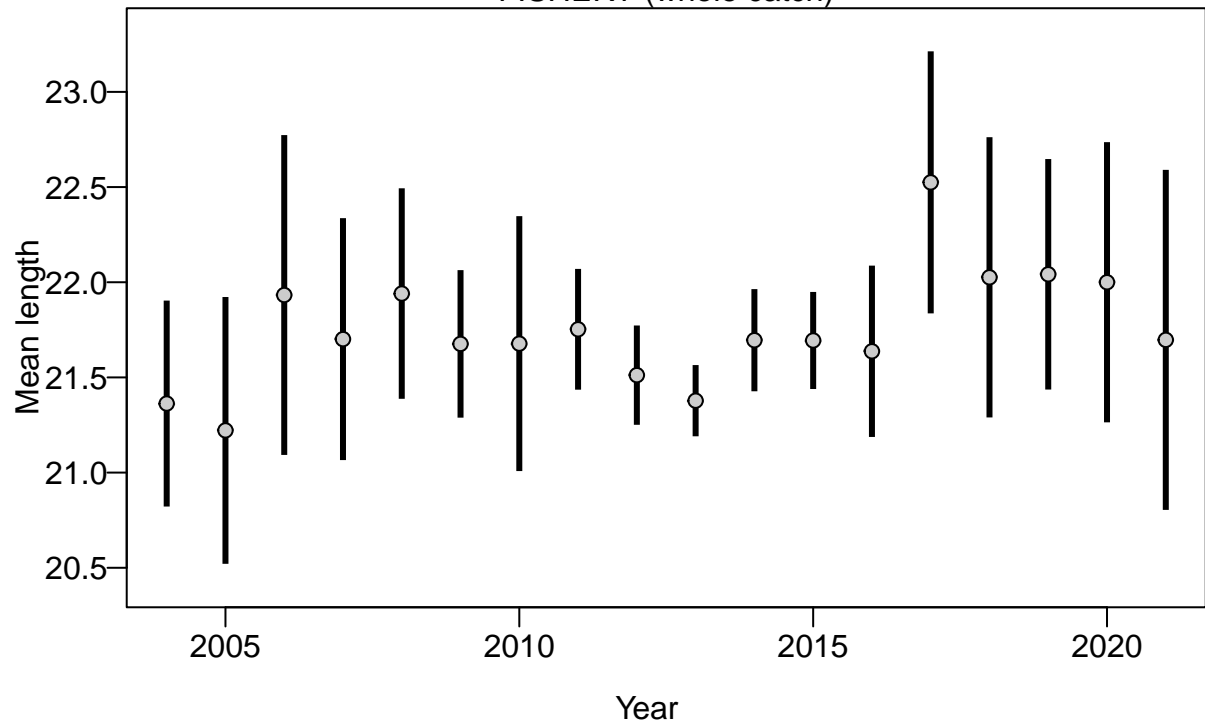


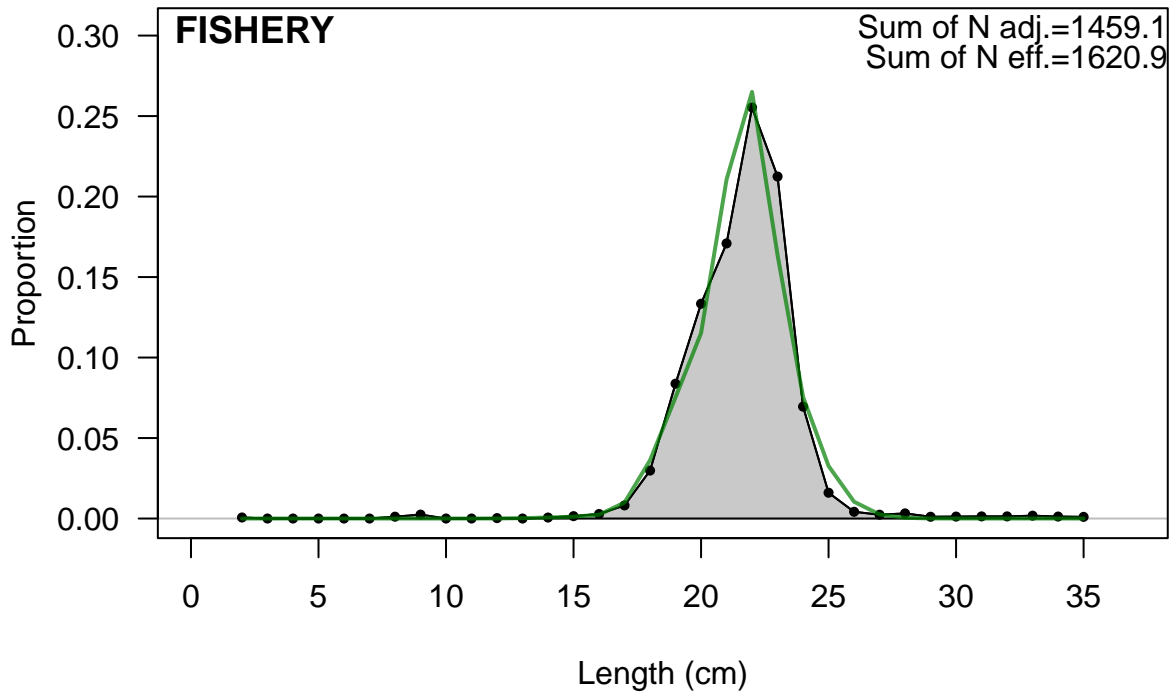


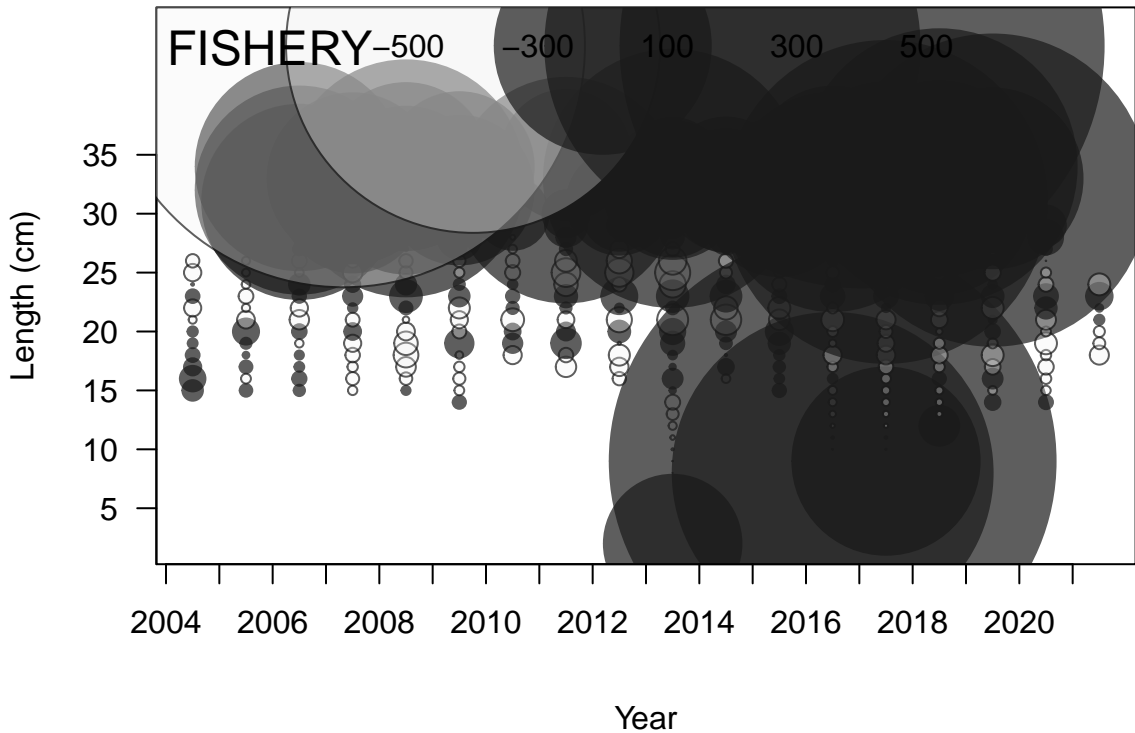


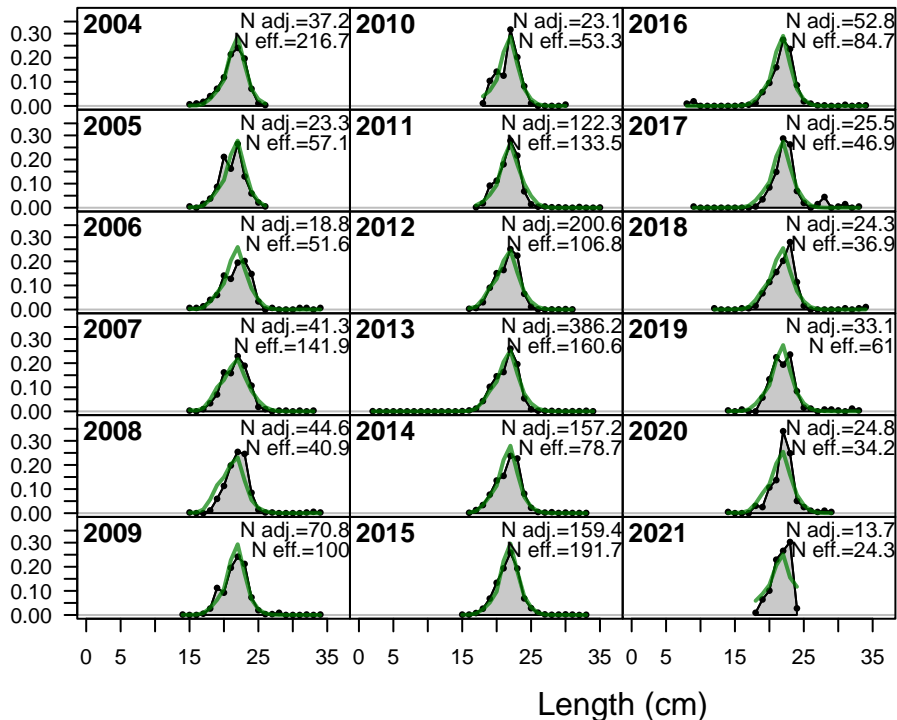


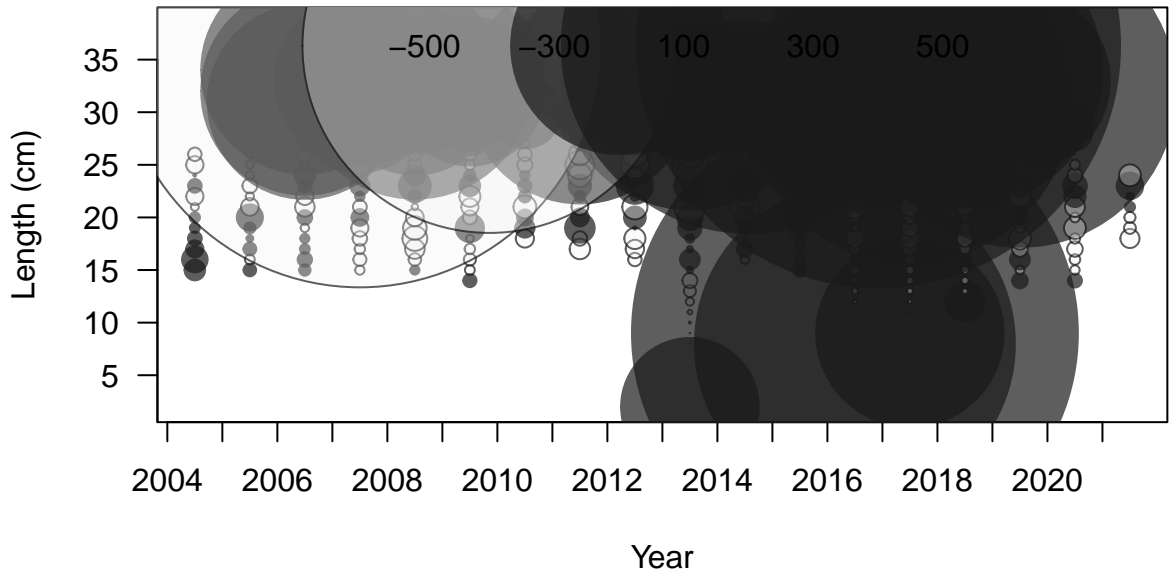
FISHERY (whole catch)



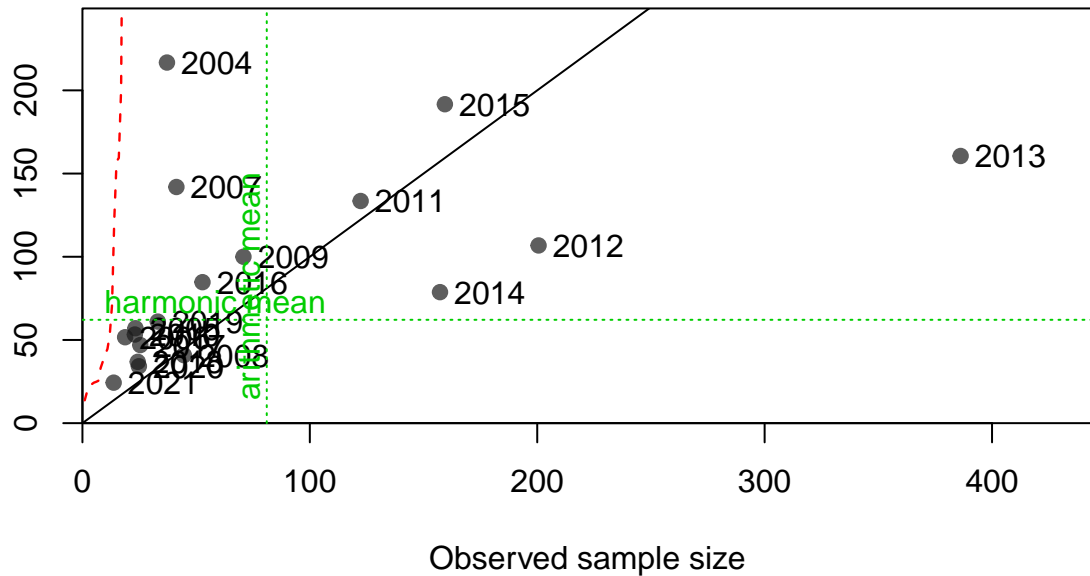




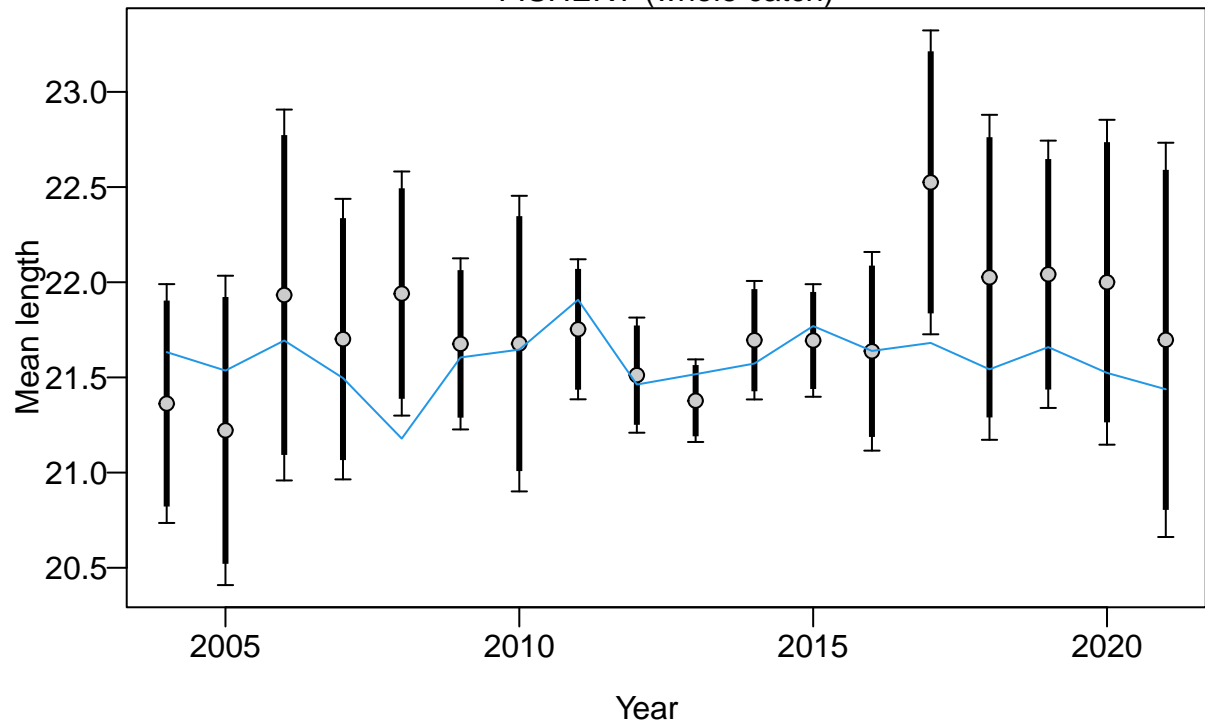


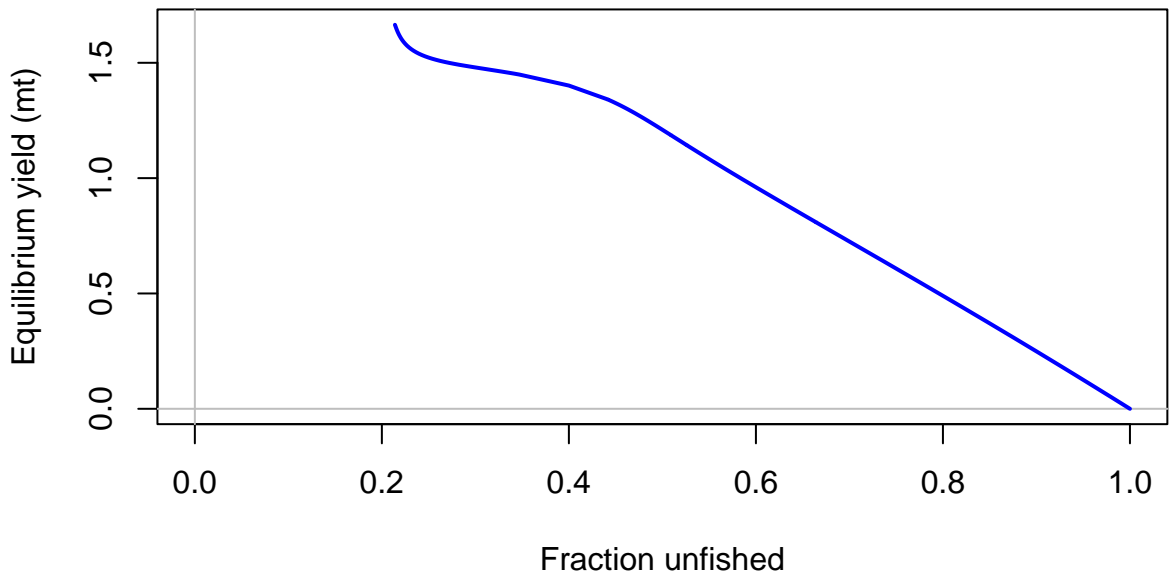


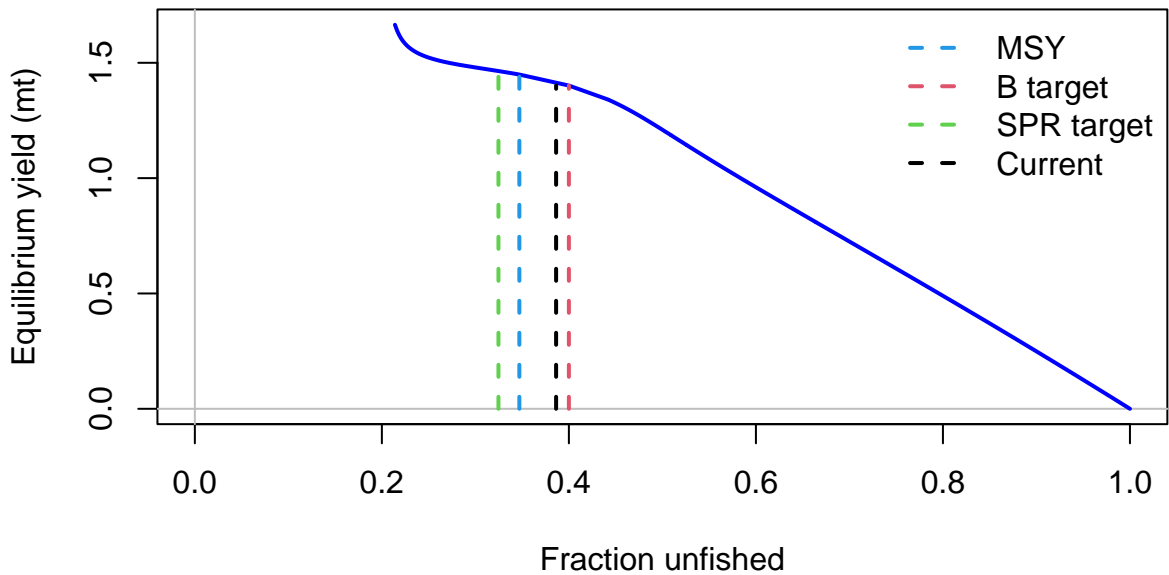
Effective sample size



FISHERY (whole catch)







Surplus production (mt)

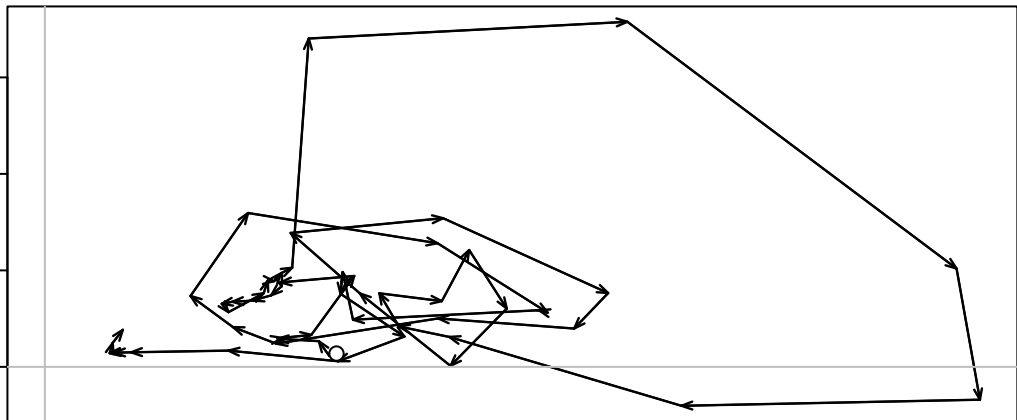
6
4
2
0

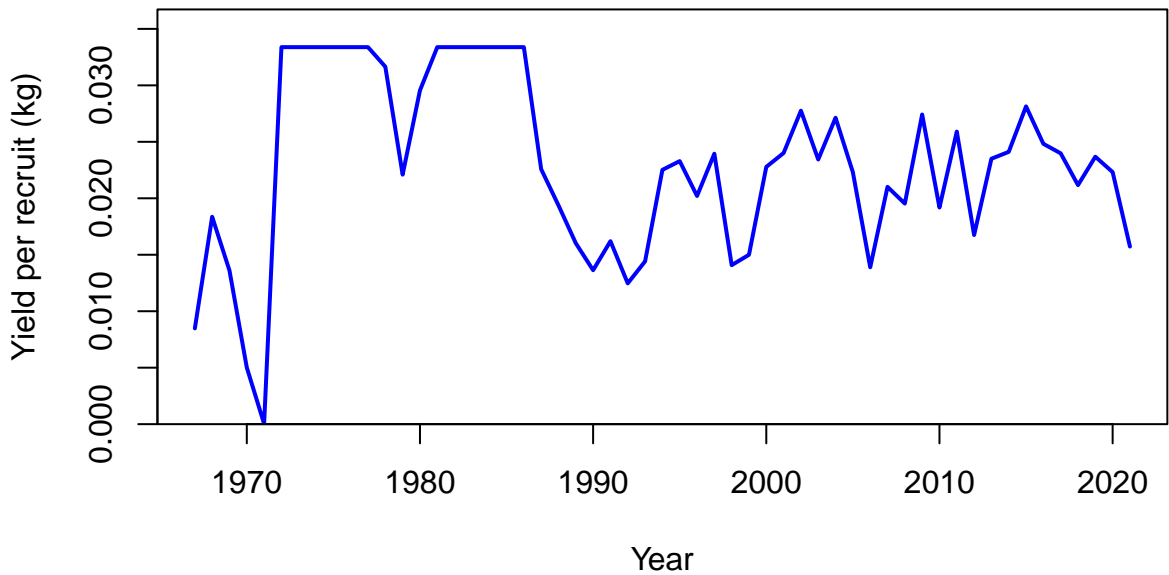
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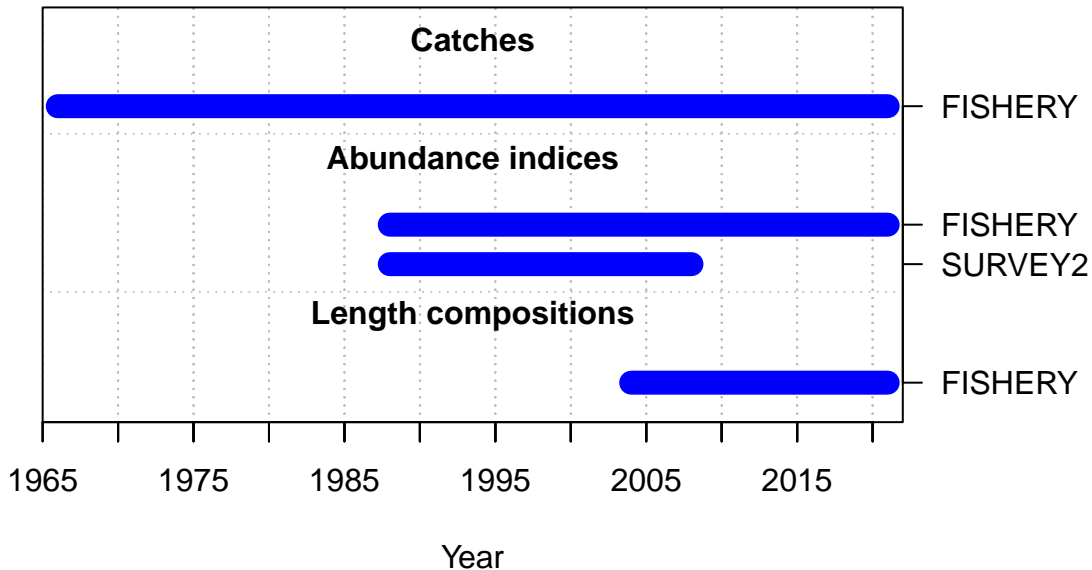
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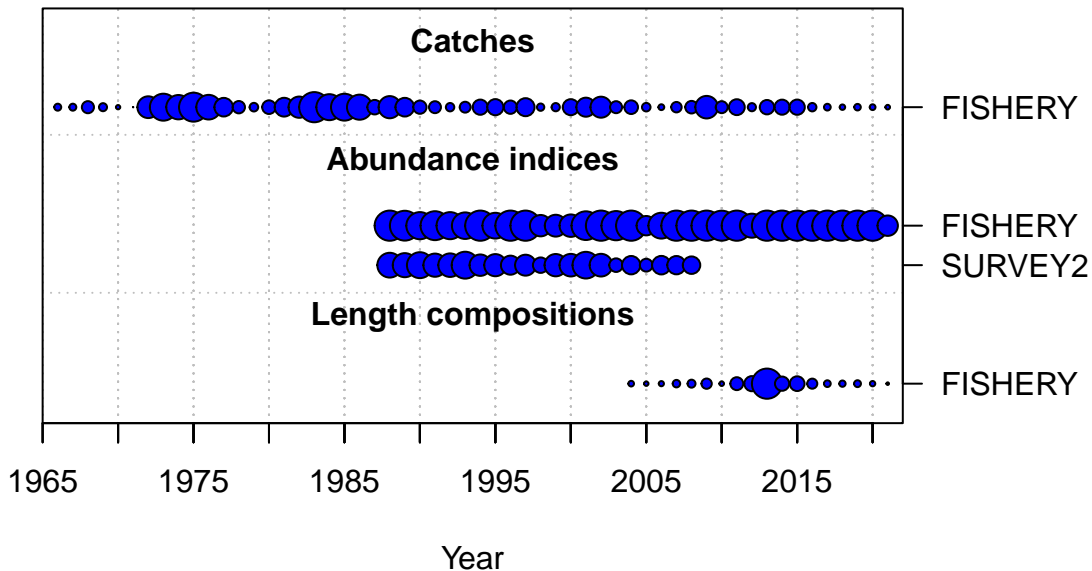
10

Total biomass (mt)







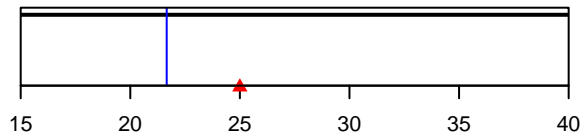


Density

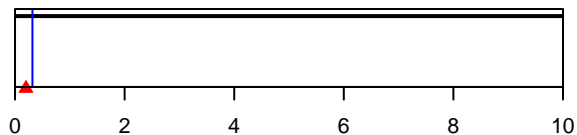
SR_LN(R0)



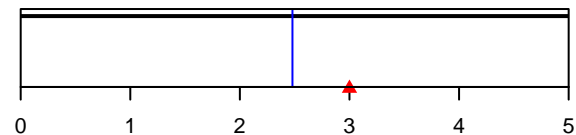
Size_inflection_FISHERY(1)



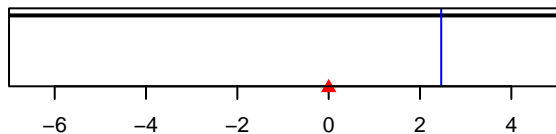
InitF_seas_1_flt_1FISHERY



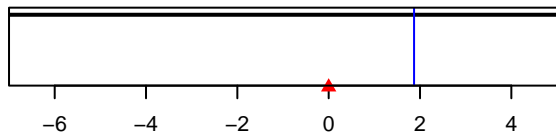
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value