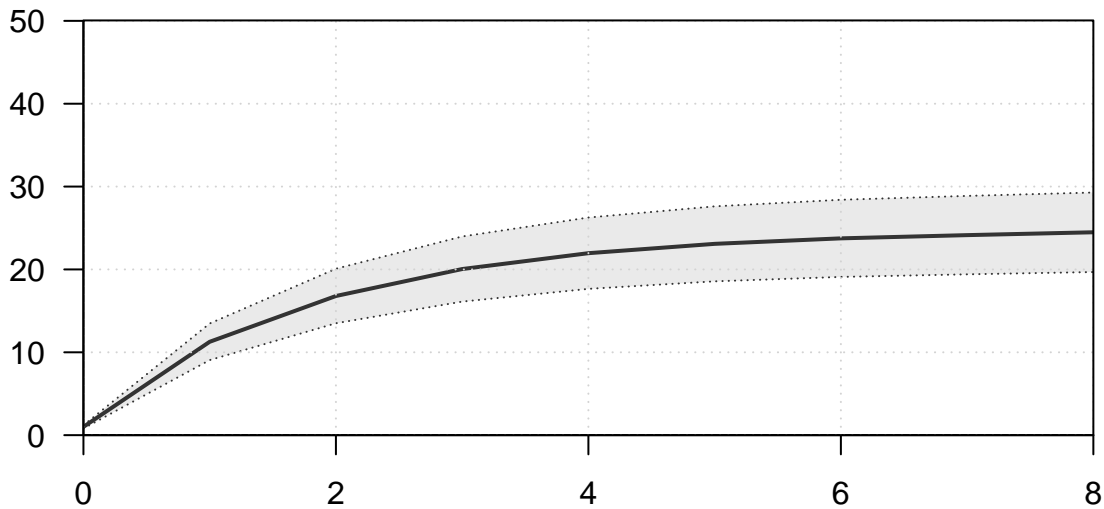
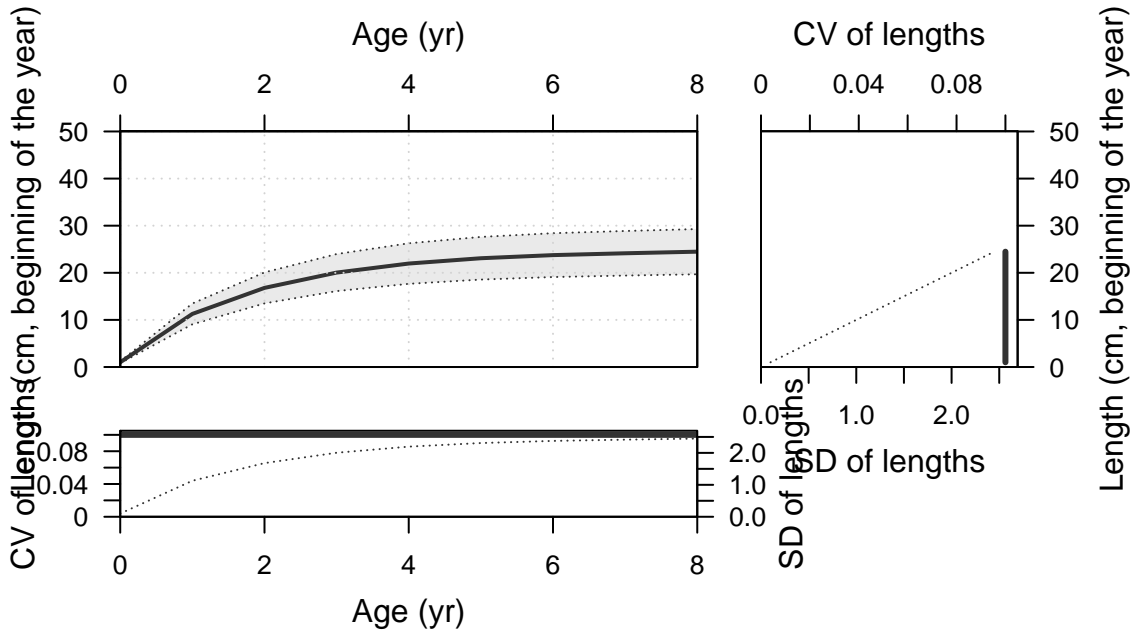


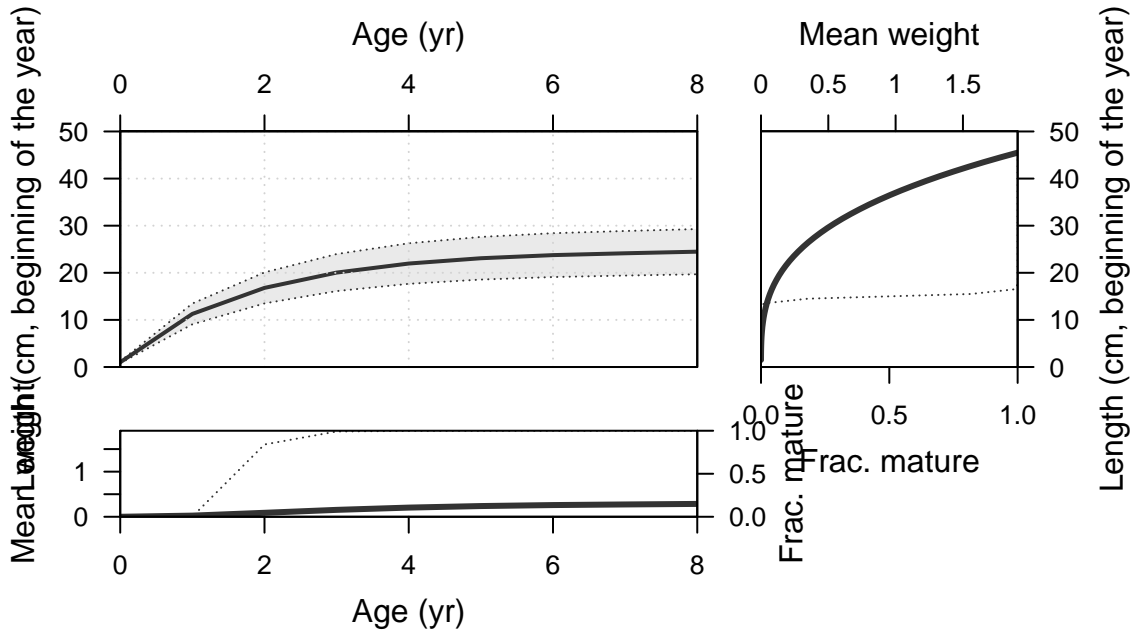
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sat Jul 09 09:56:20 2022
Data_File: data.ss
Control_File: control.ss

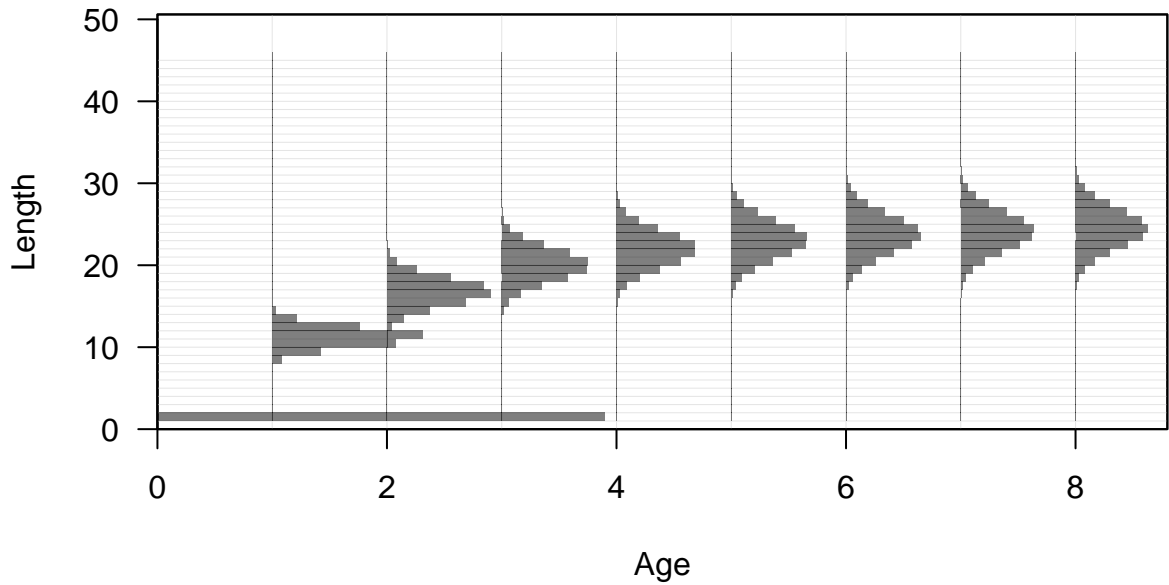
Length (cm, beginning of the year)

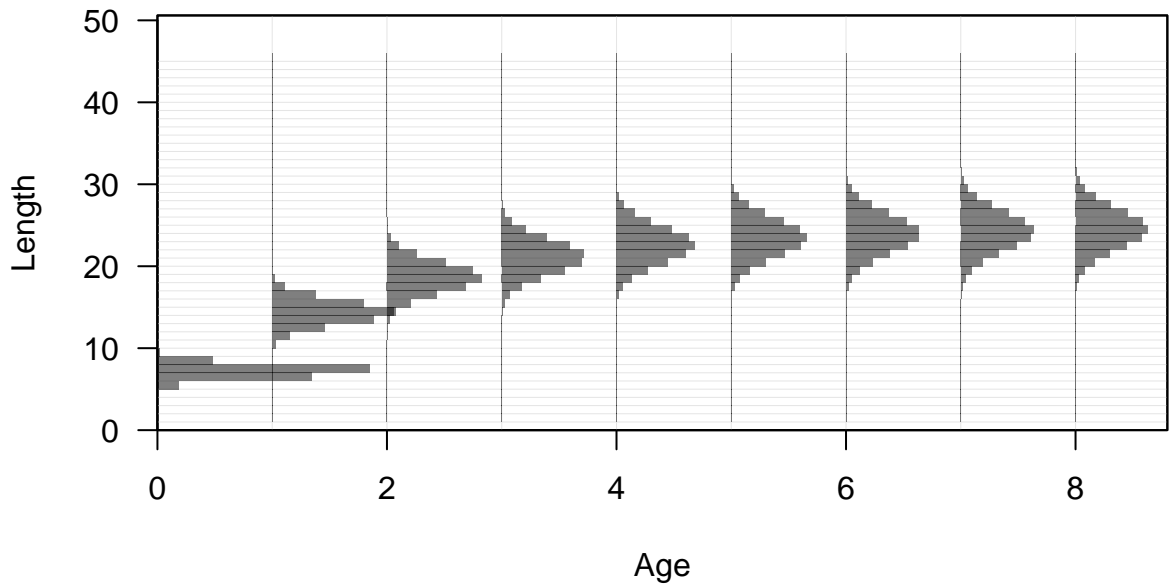


Age (yr)

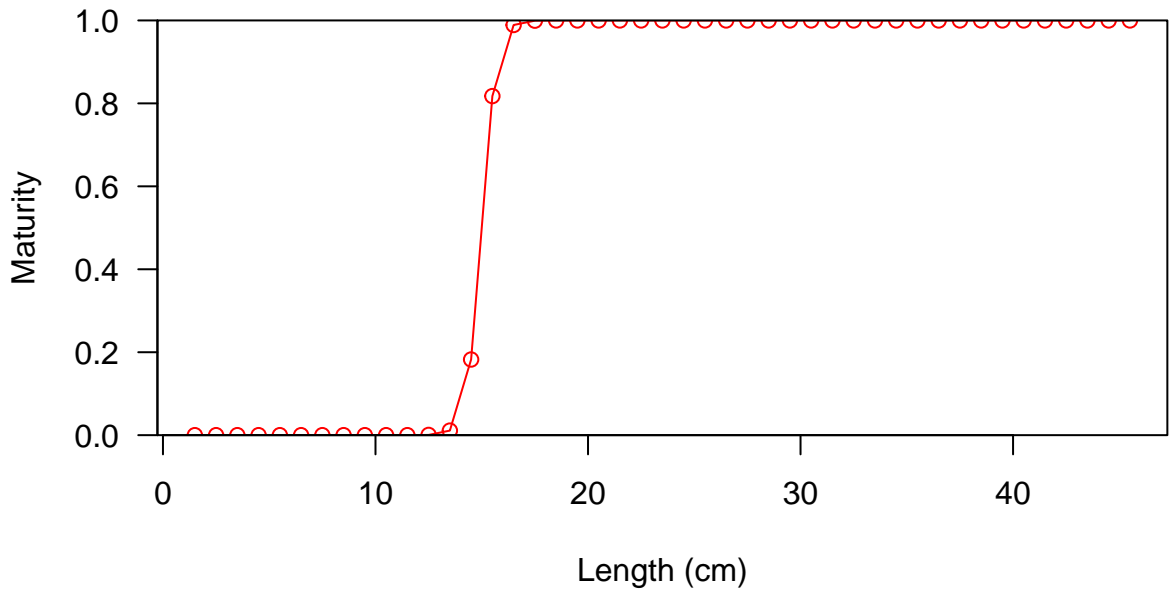




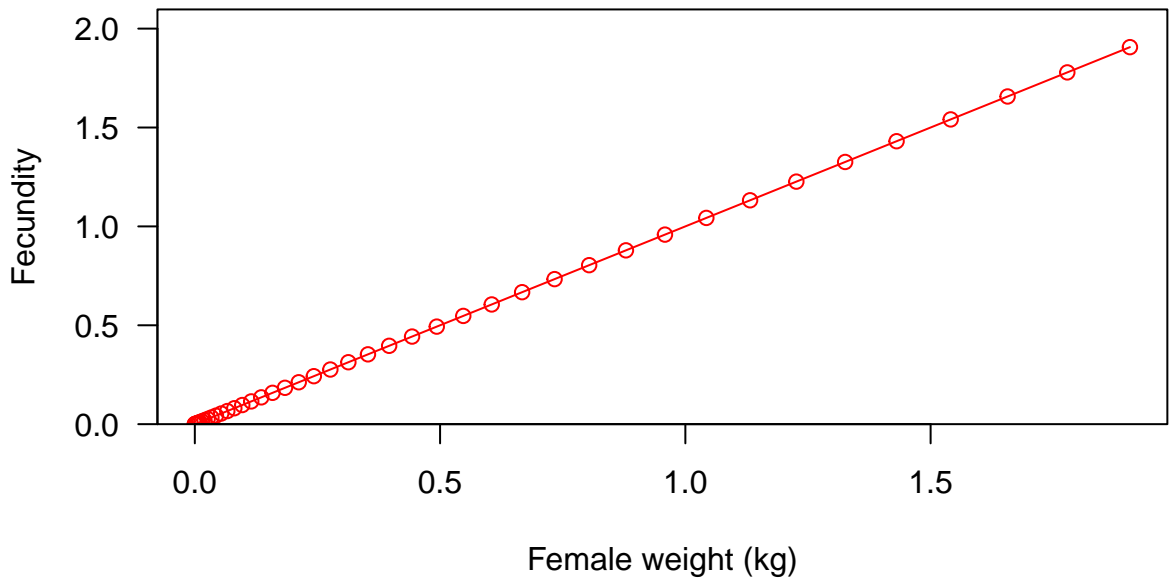




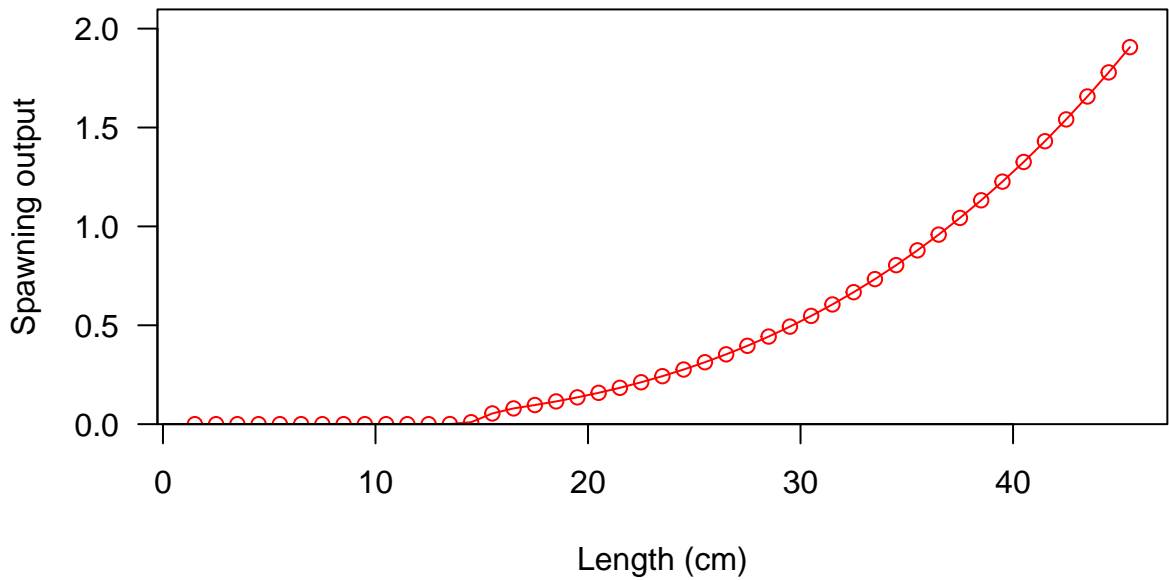


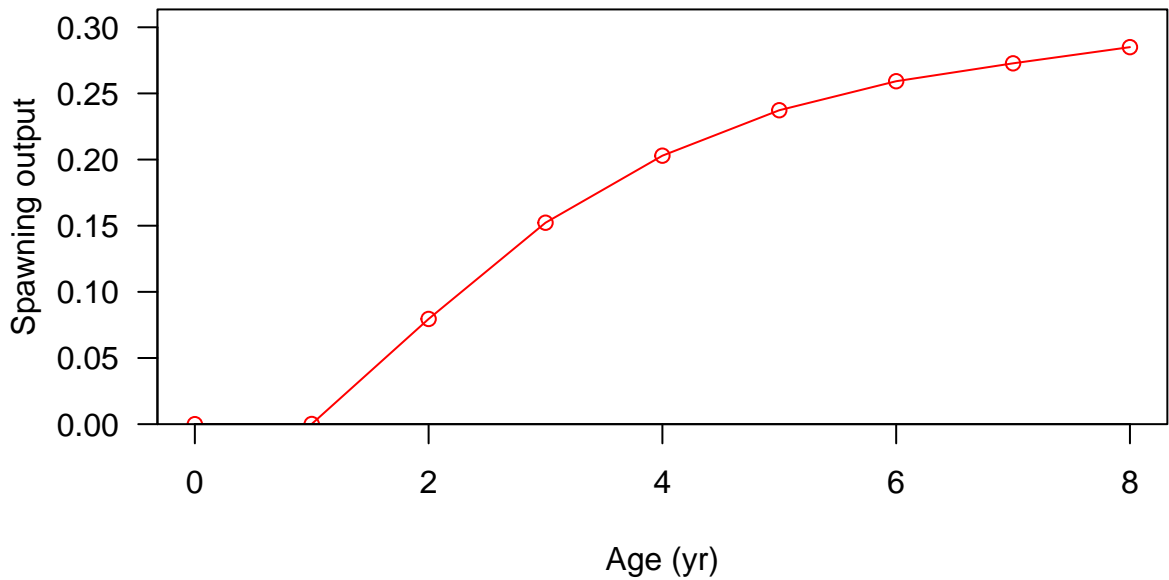




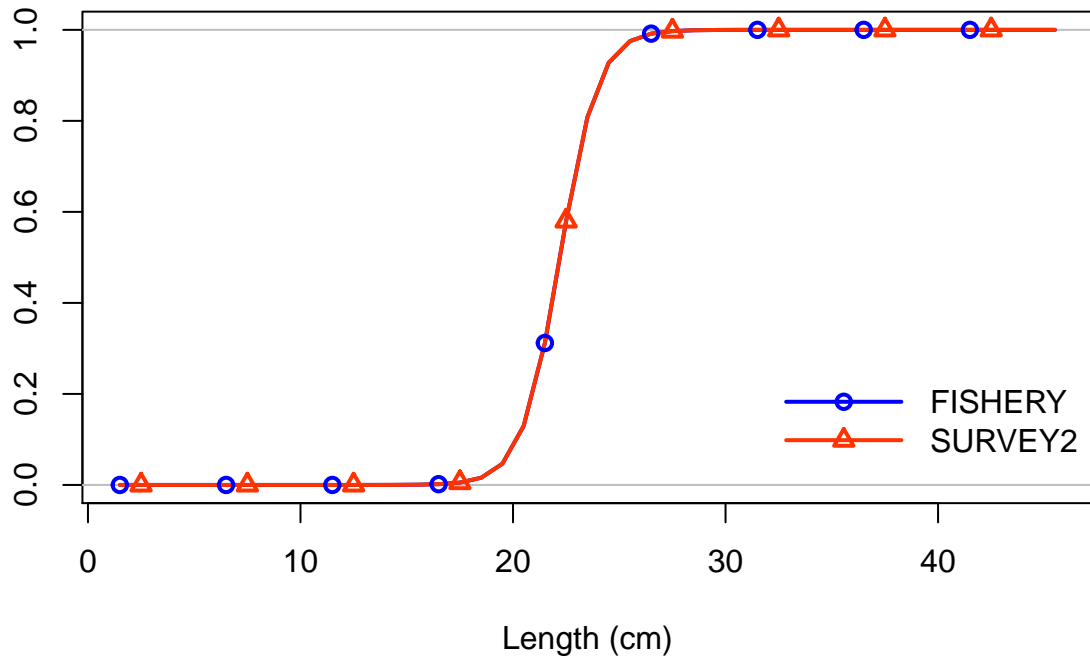




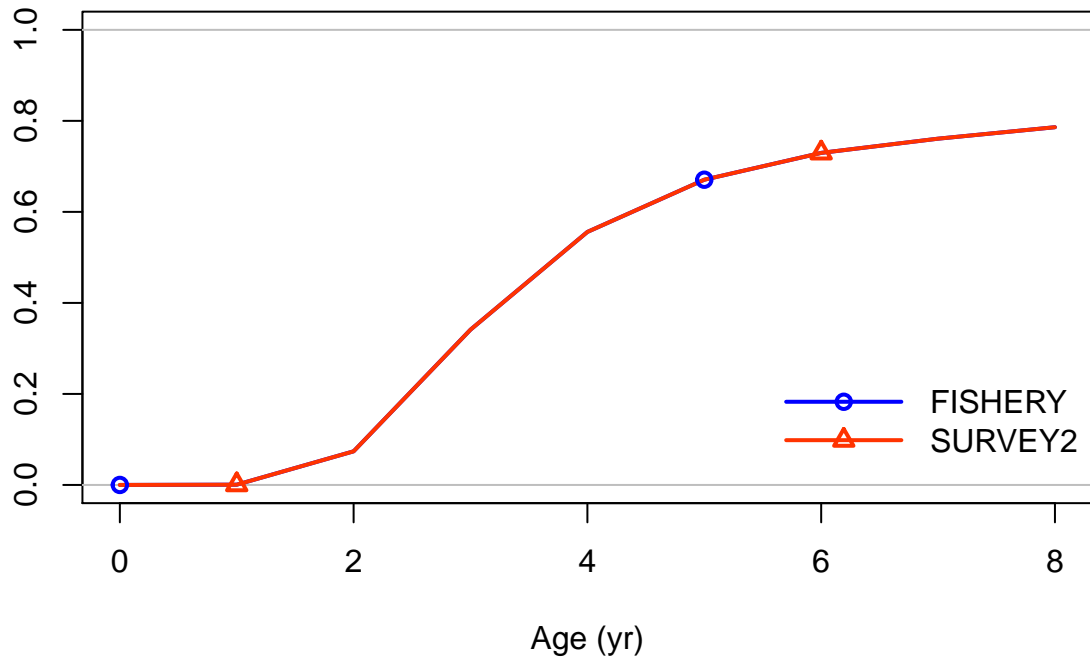




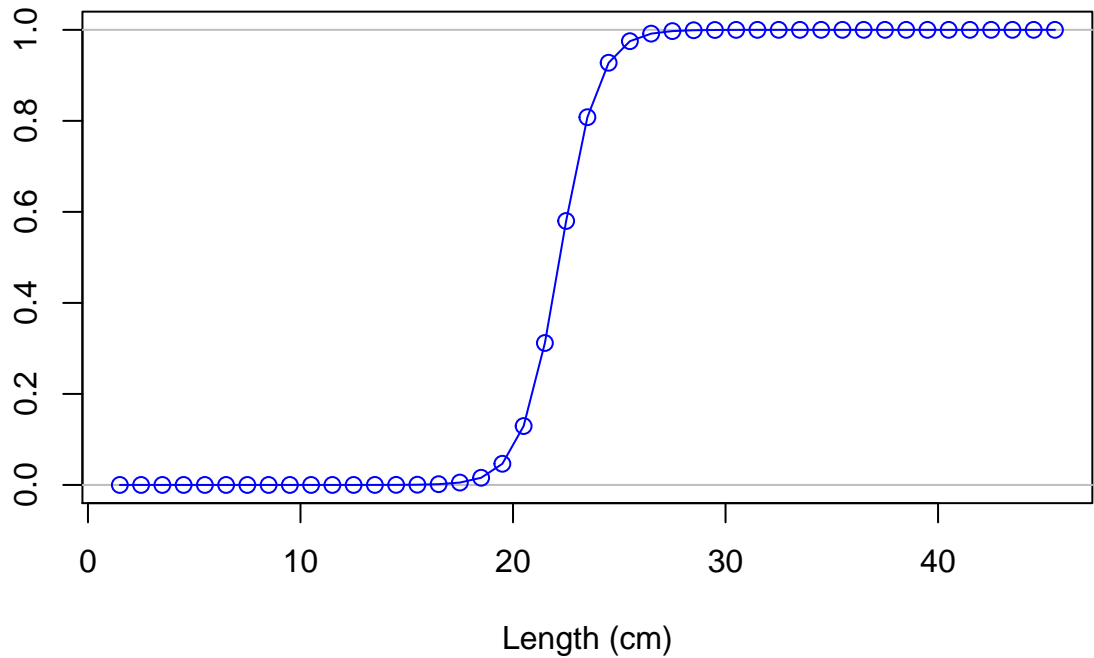
Selectivity



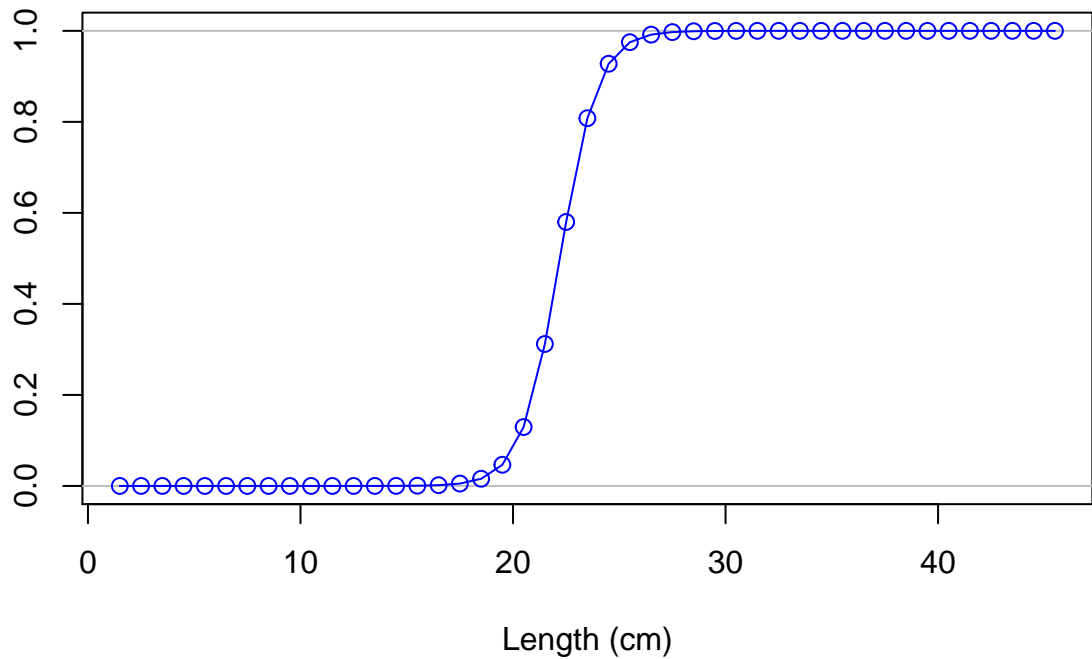
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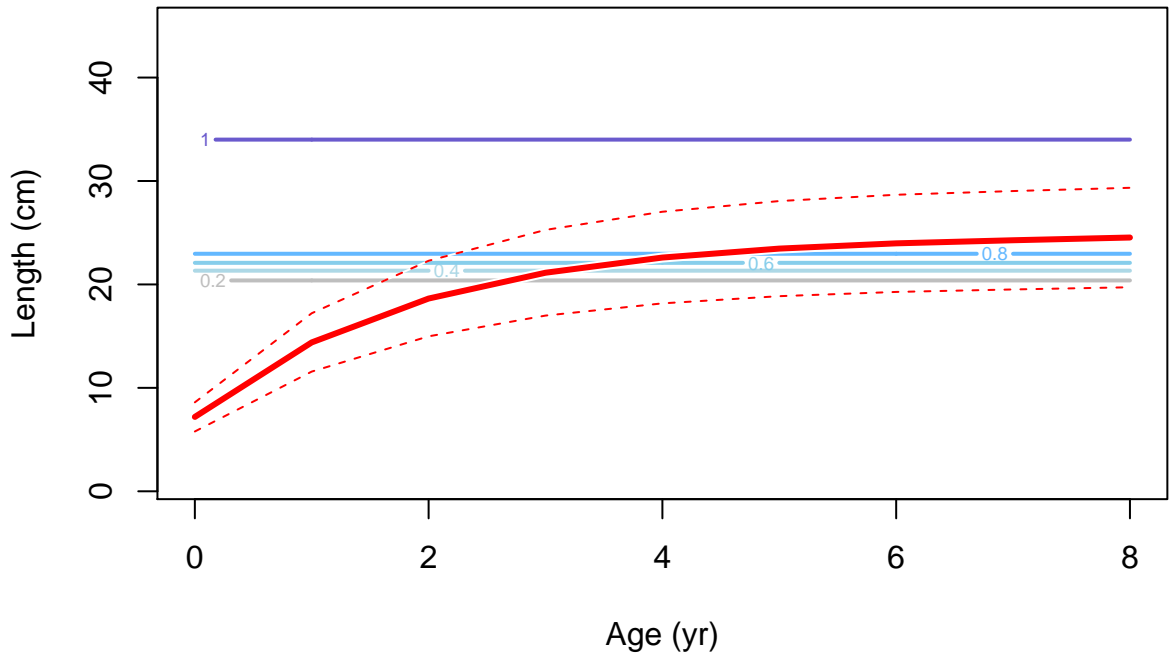


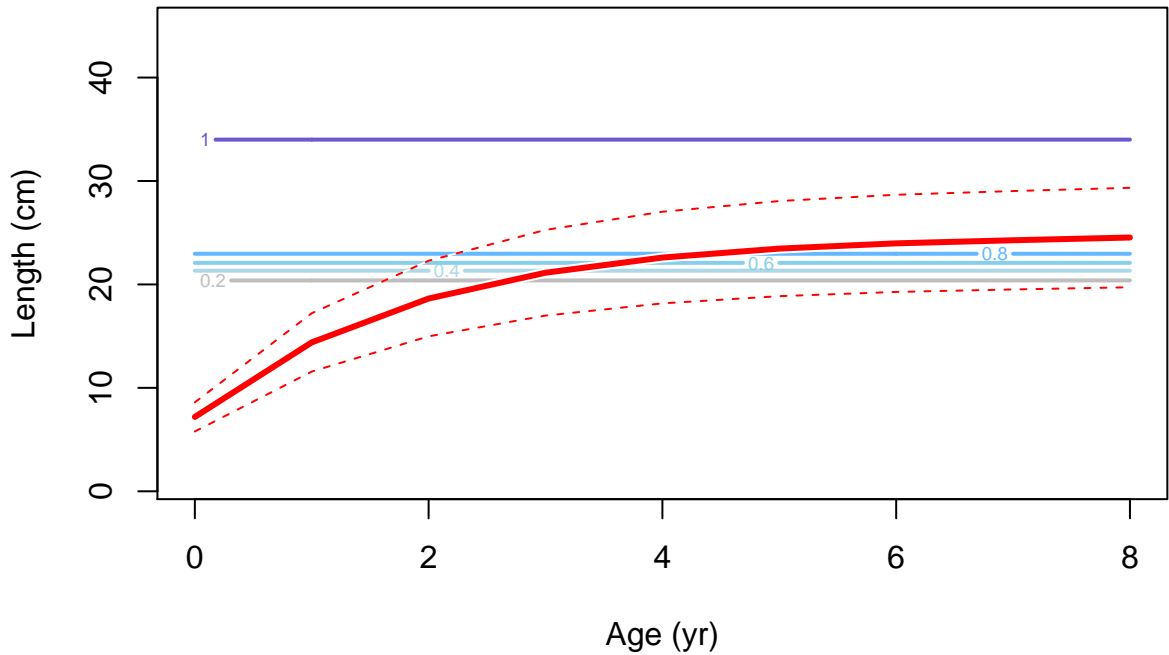
Selectivity



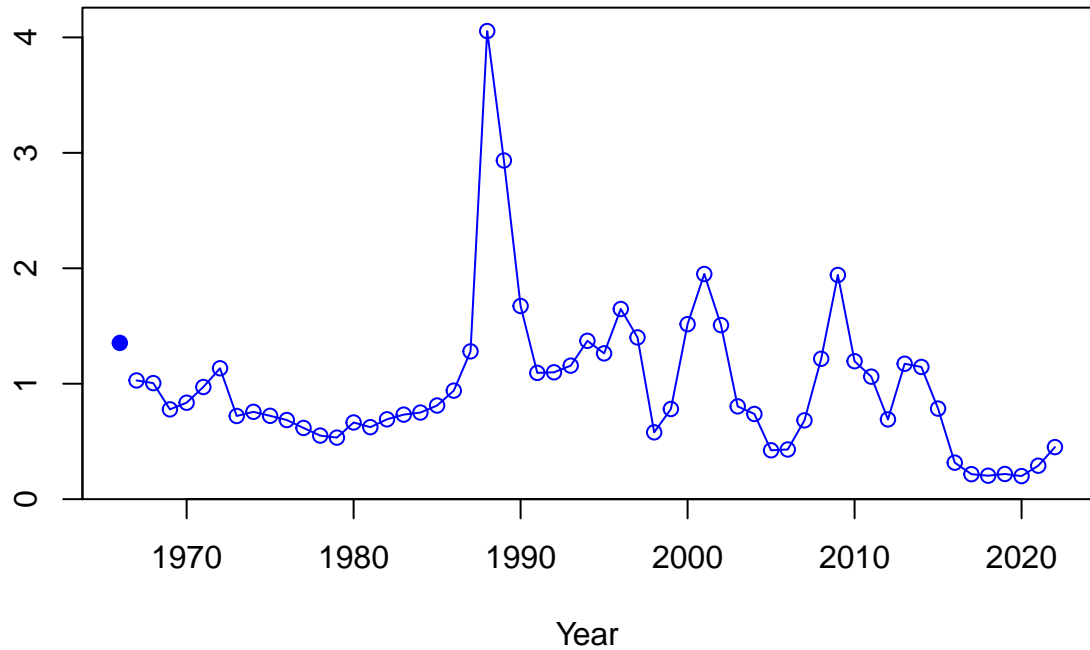
Selectivity



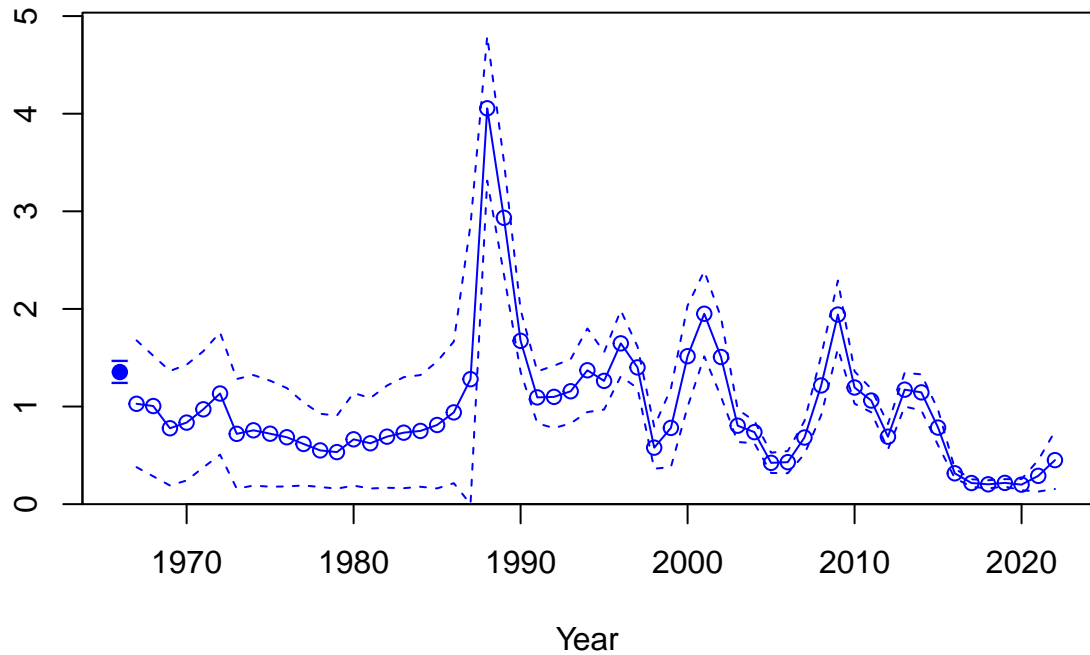




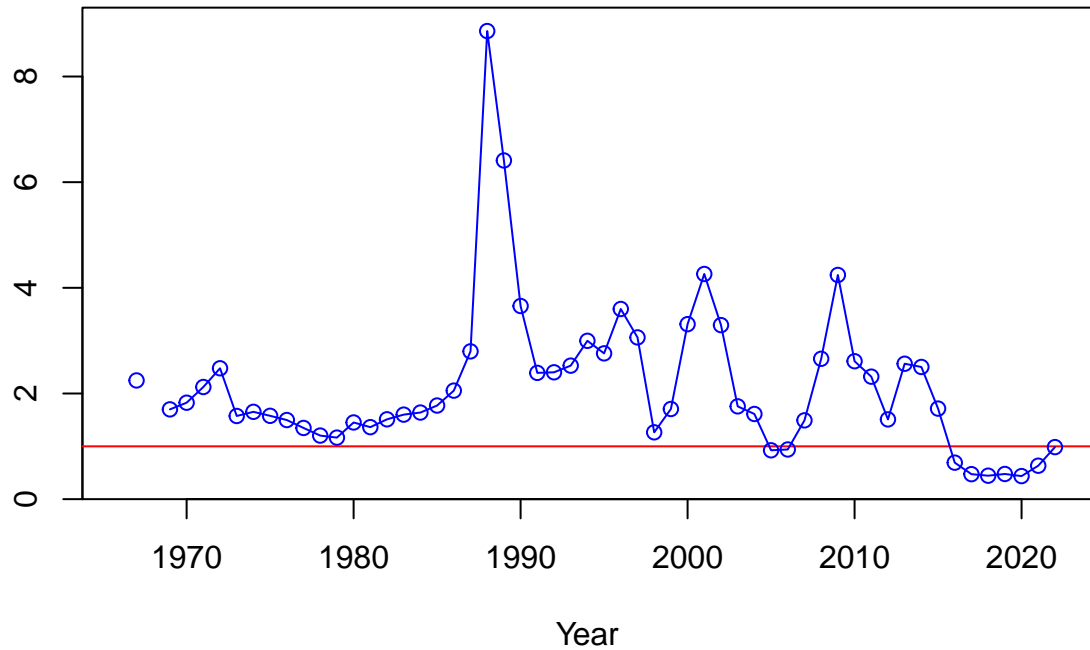
Spawning biomass (mt)



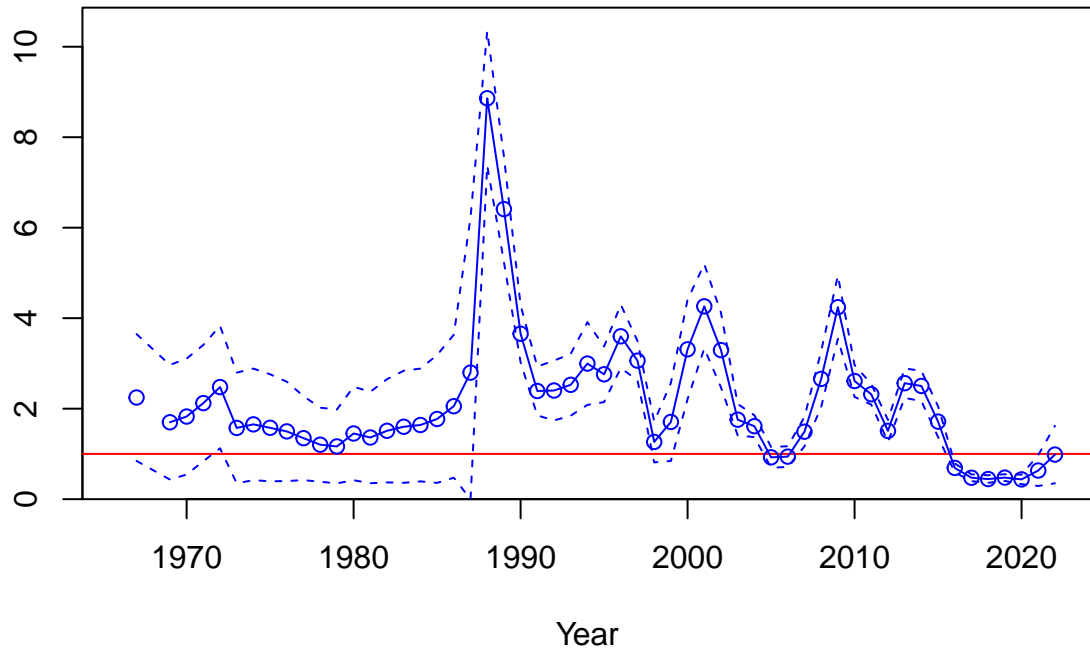
Spawning biomass (mt)

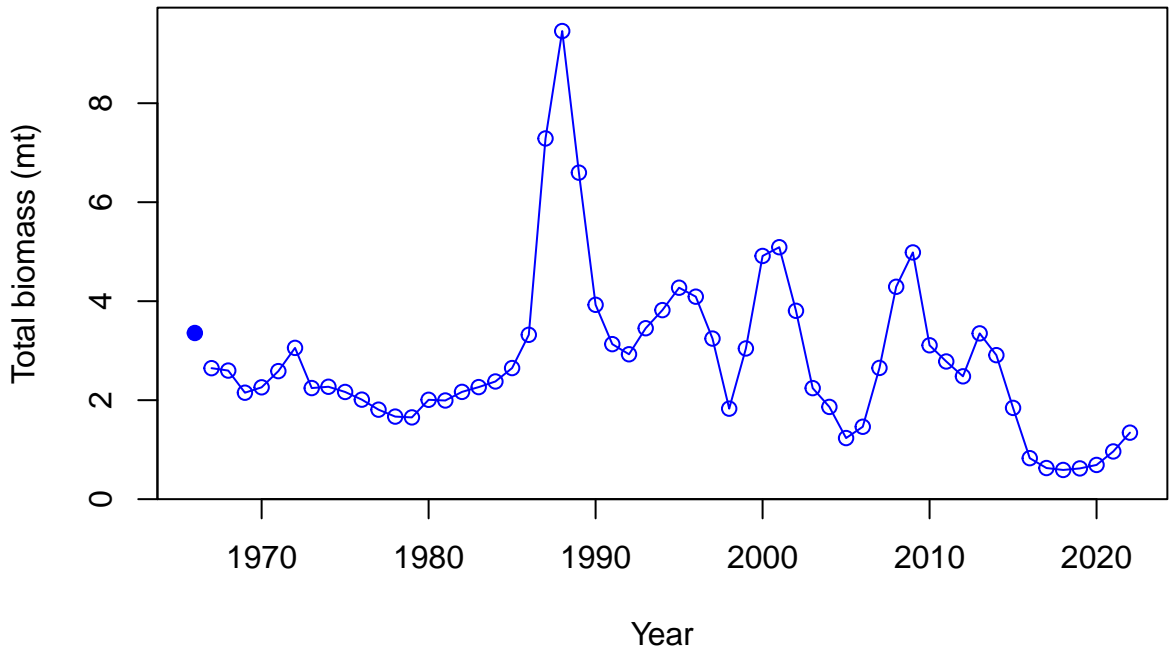


Relative spawning biomass: B/B_{MSY}

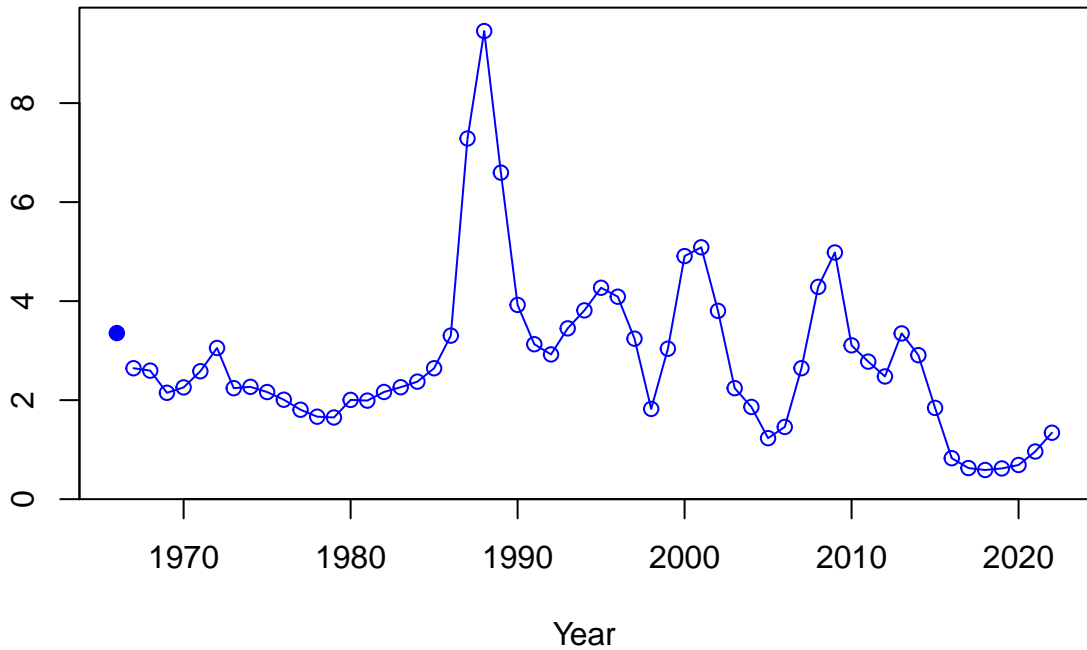


Relative spawning biomass: B/B_{MSY}

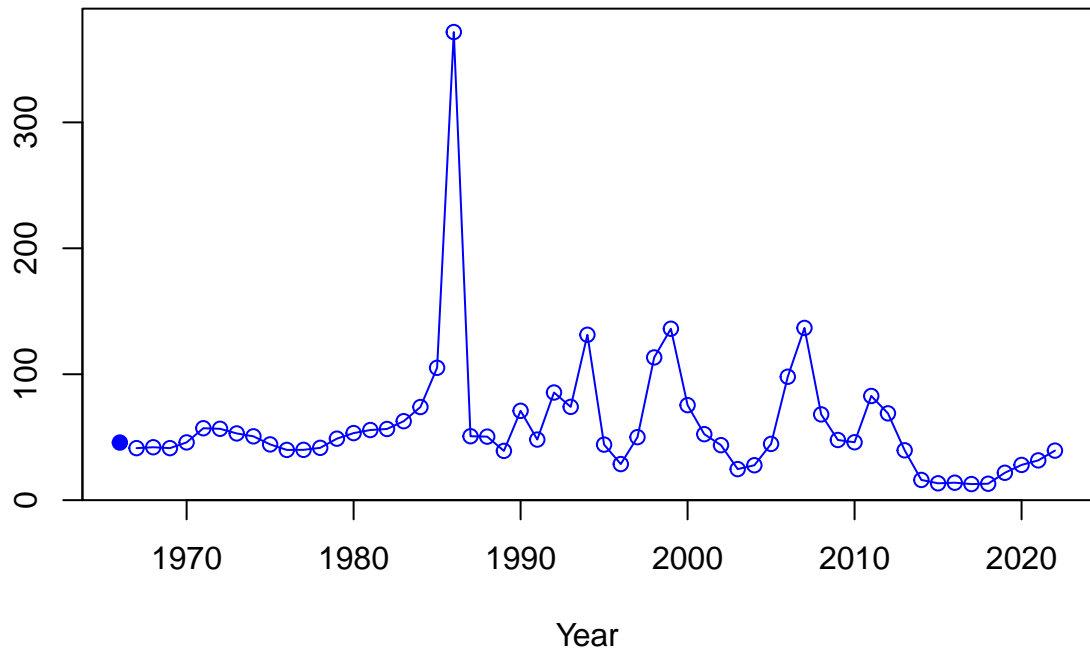




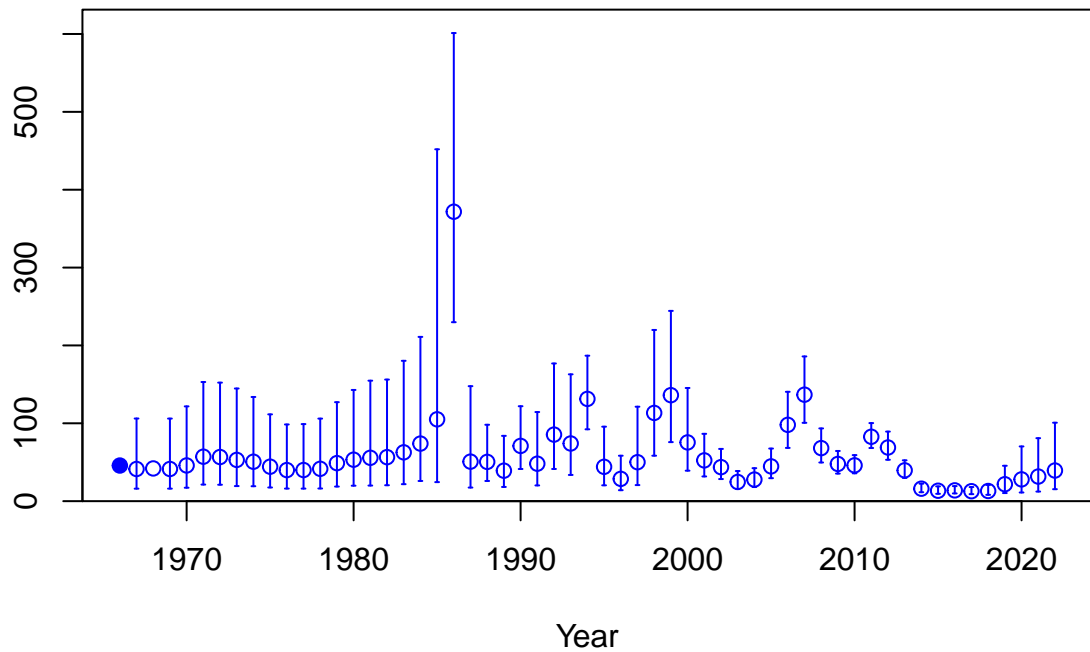
Summary biomass (mt)



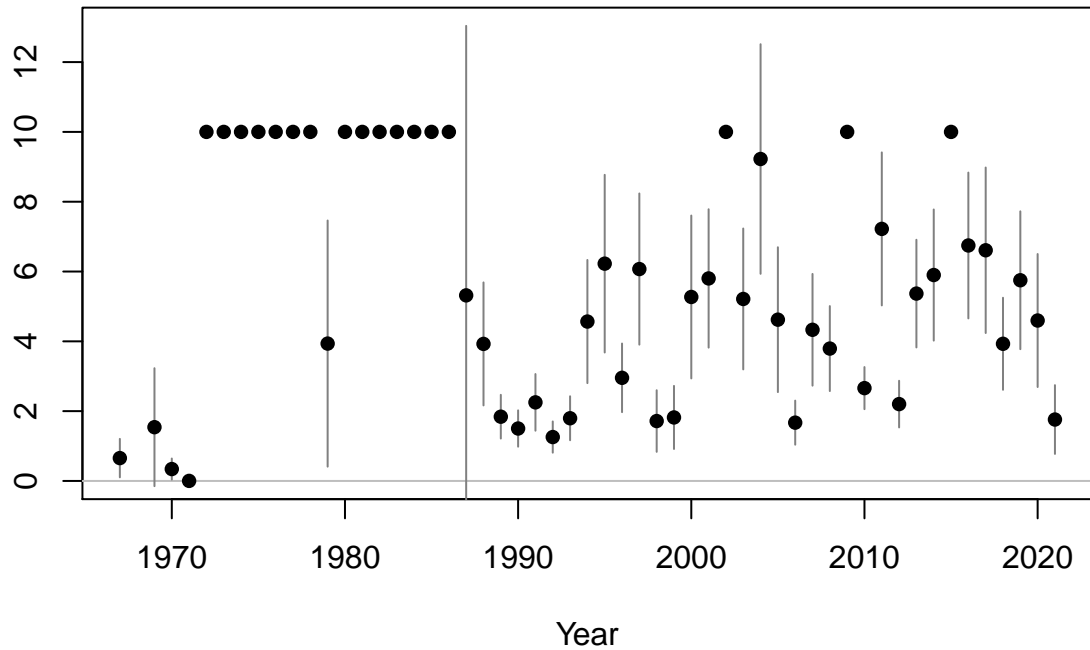
Age-0 recruits (1,000s)

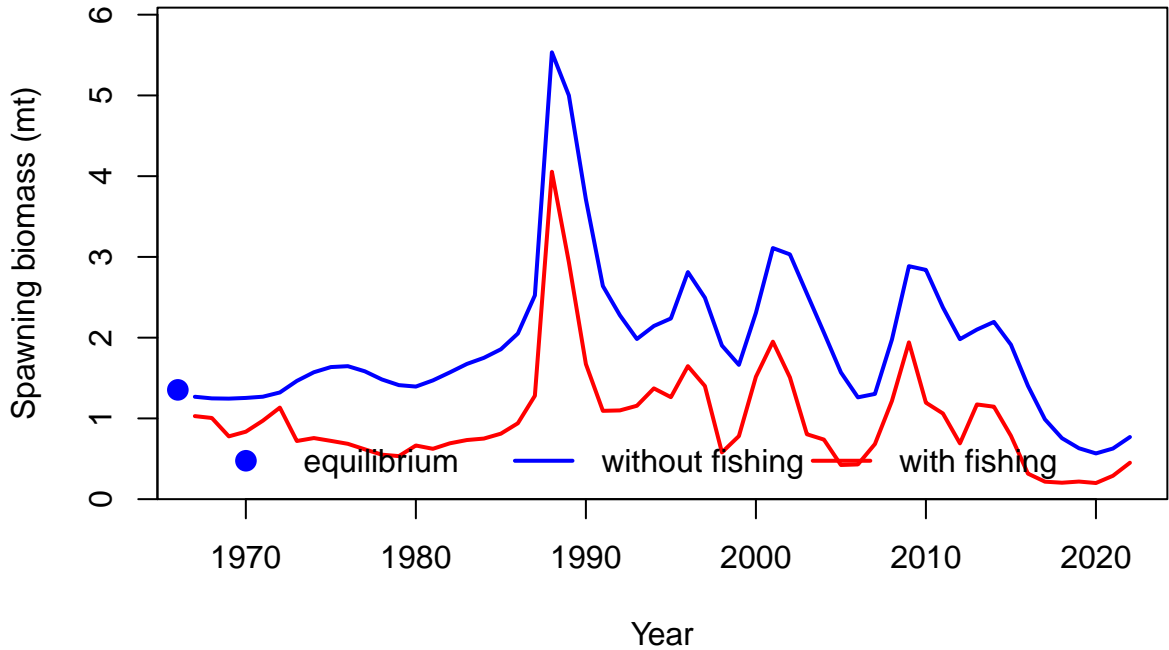


Age-0 recruits (1,000s)

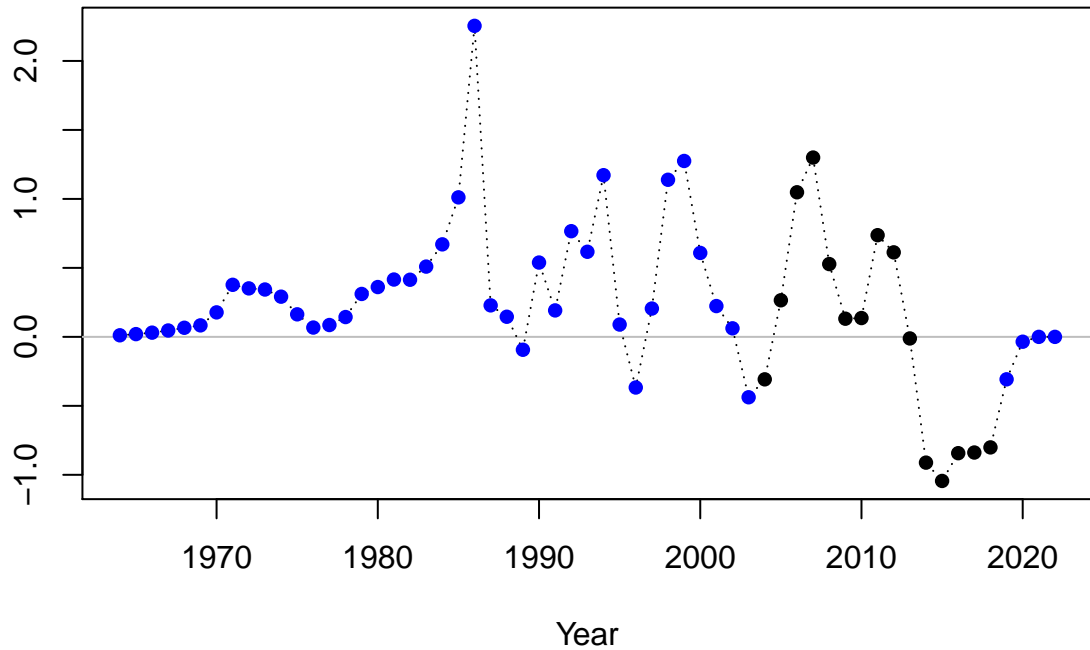


Summary Fishing Mortality

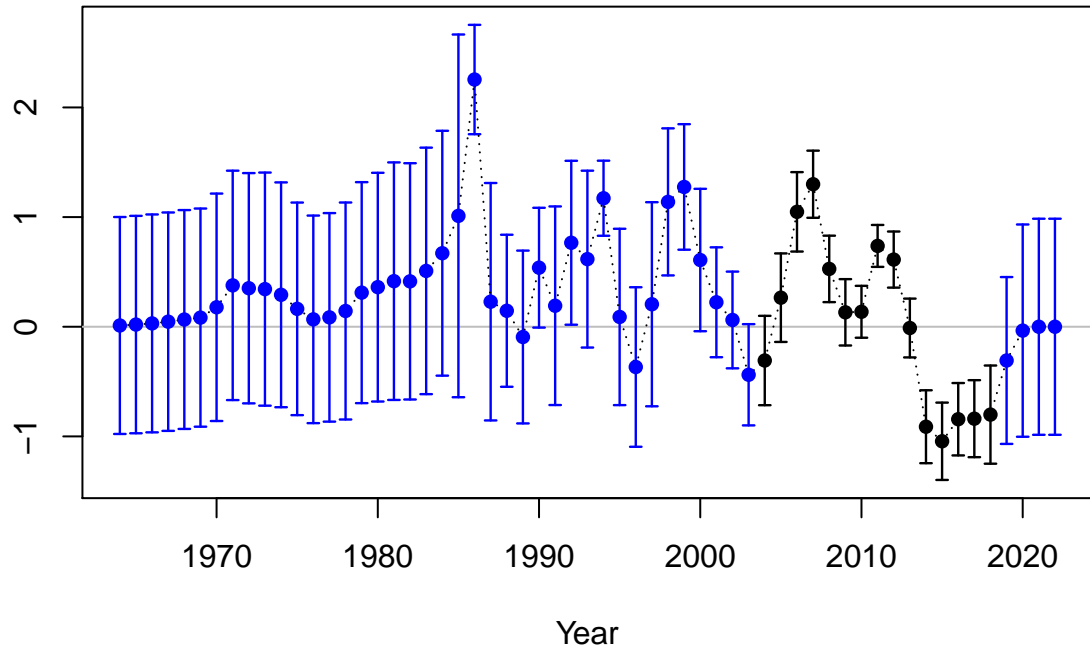




Log recruitment deviation

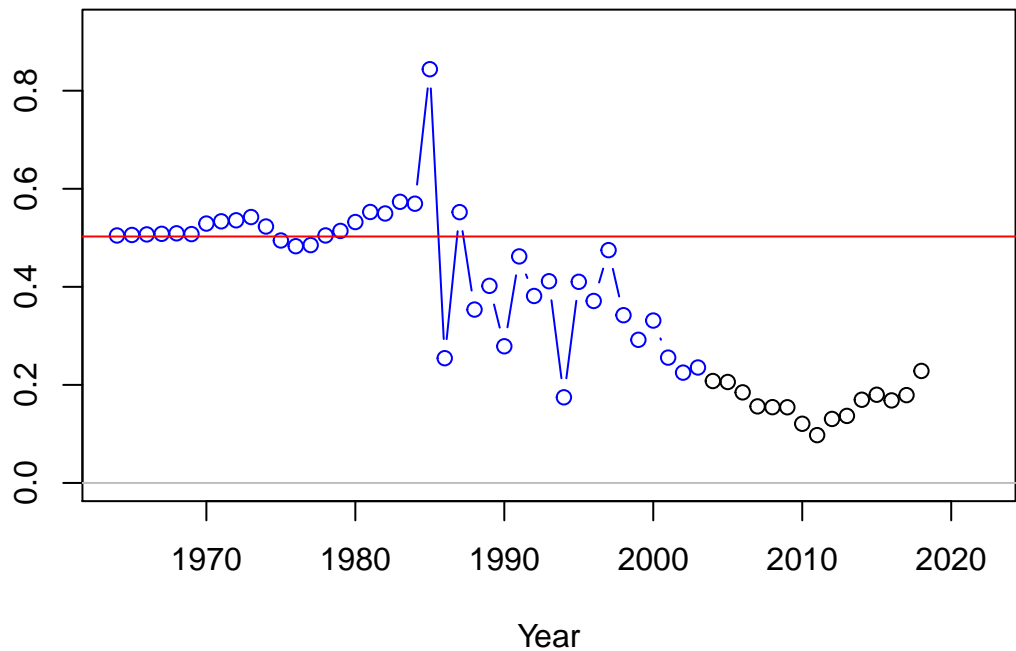


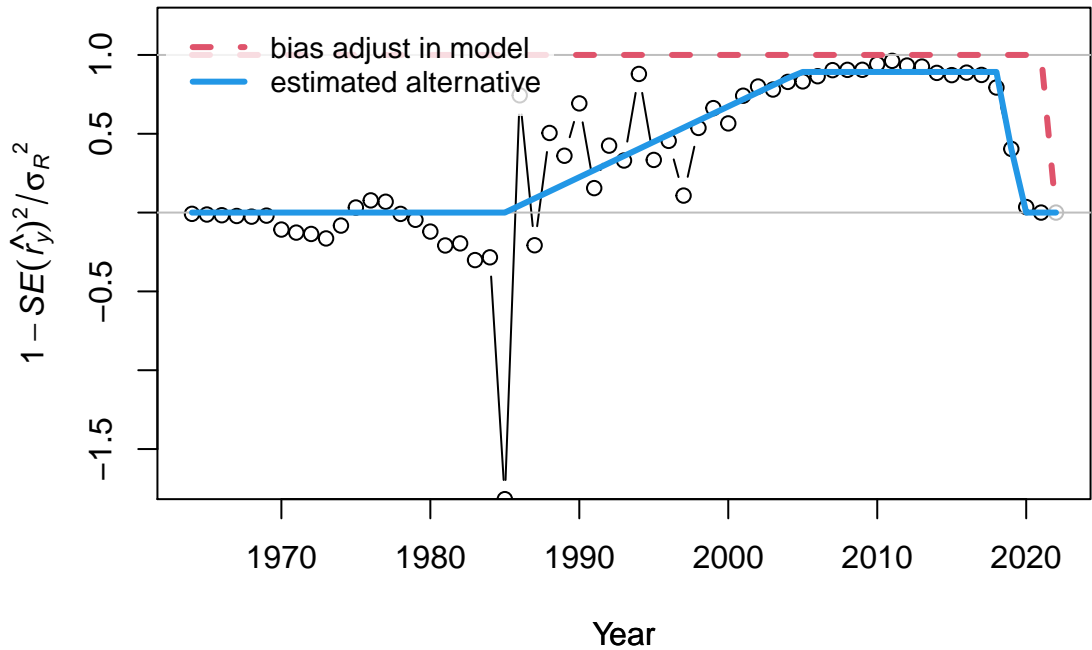
Log recruitment deviation



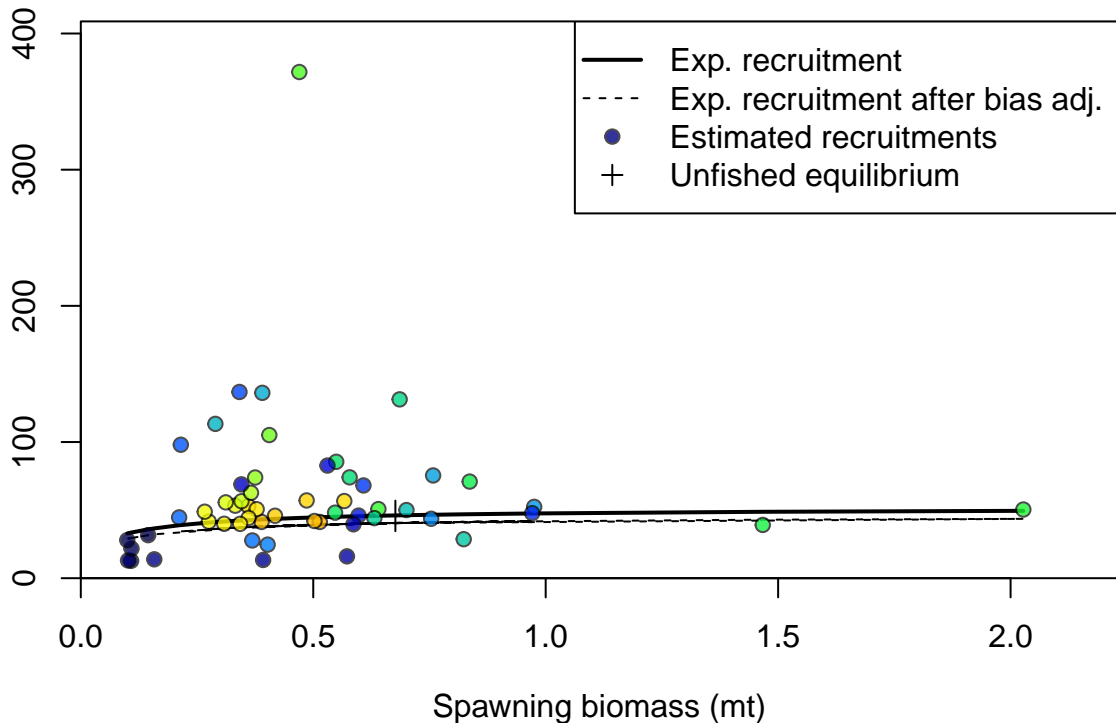
Recruitment deviation variance

Asymptotic standard error estimate

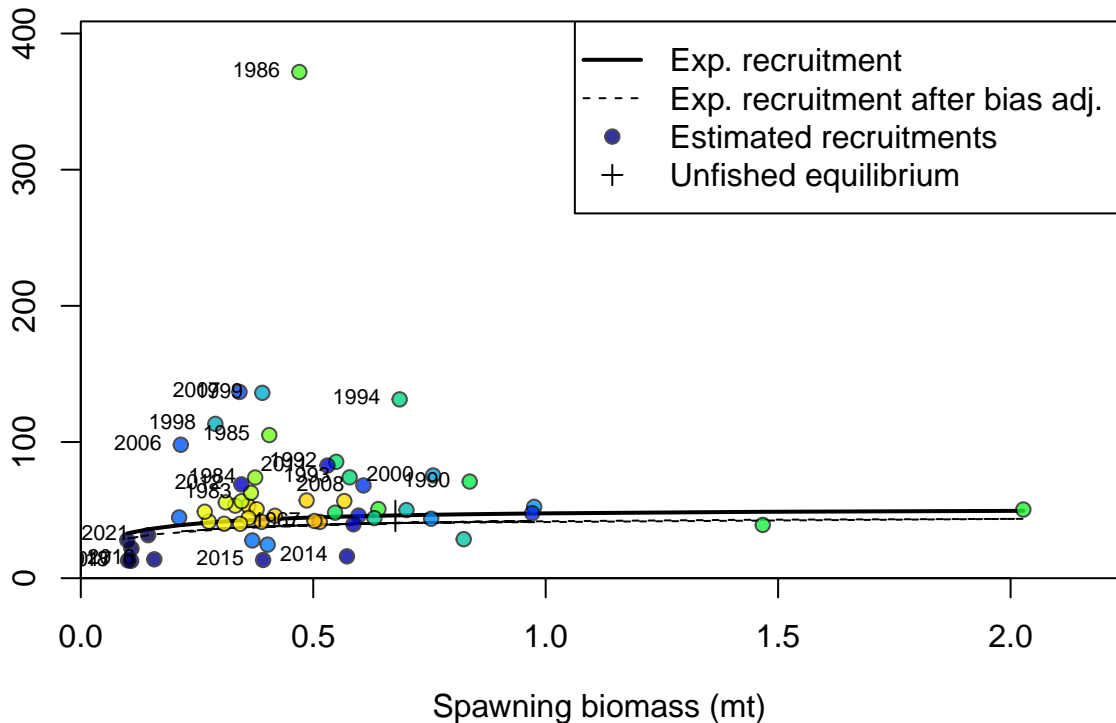




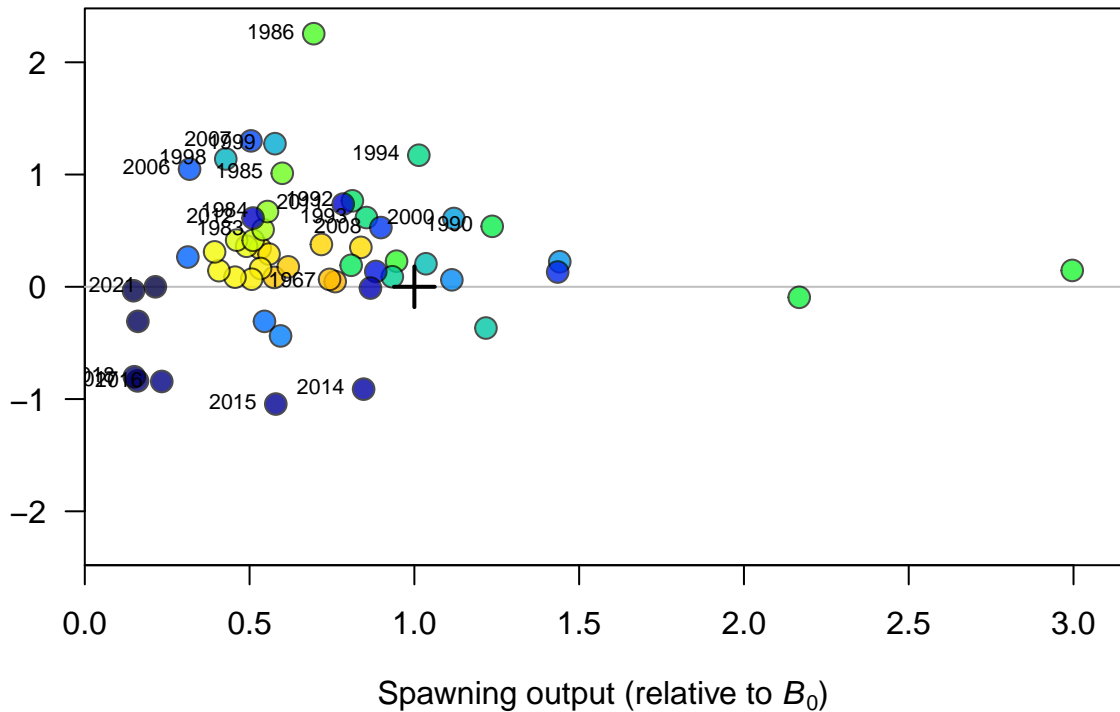
Recruitment (1,000s)

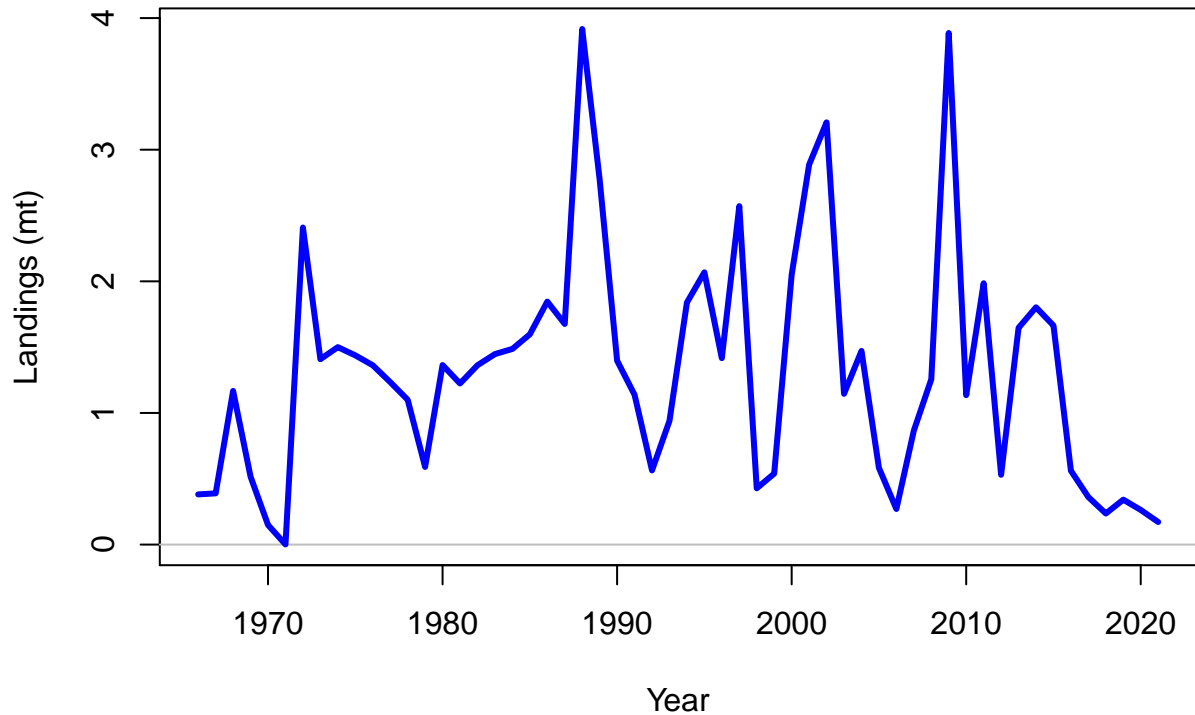


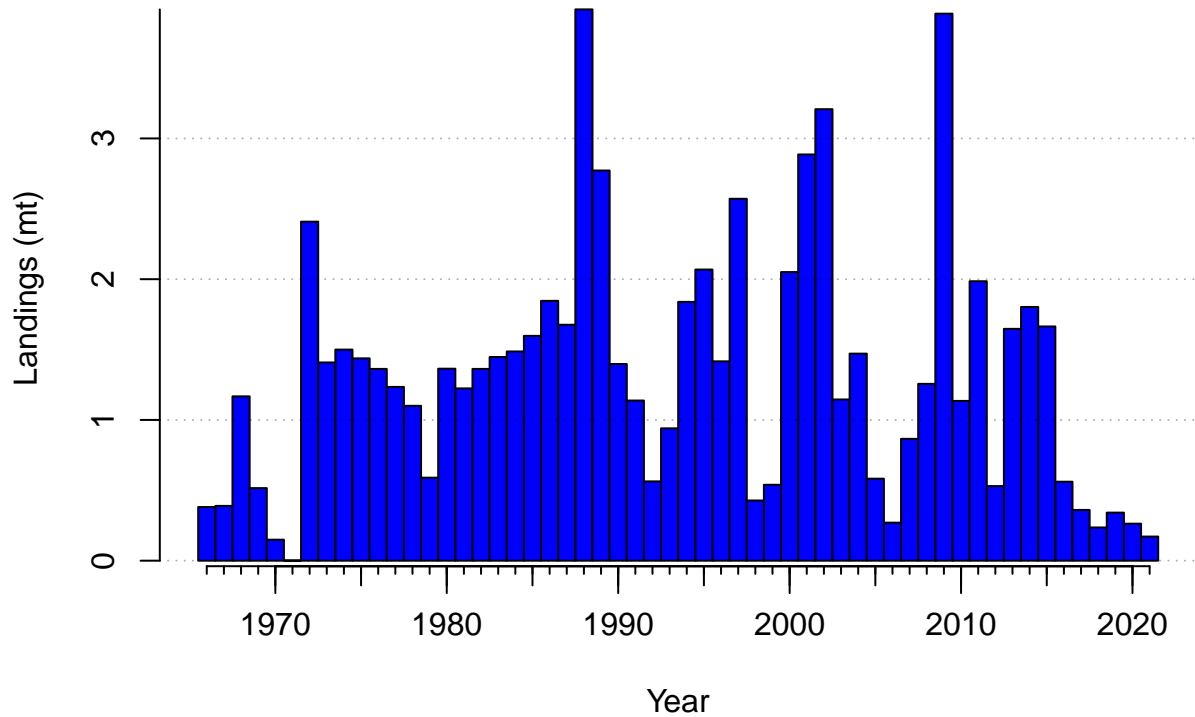
Recruitment (1,000s)

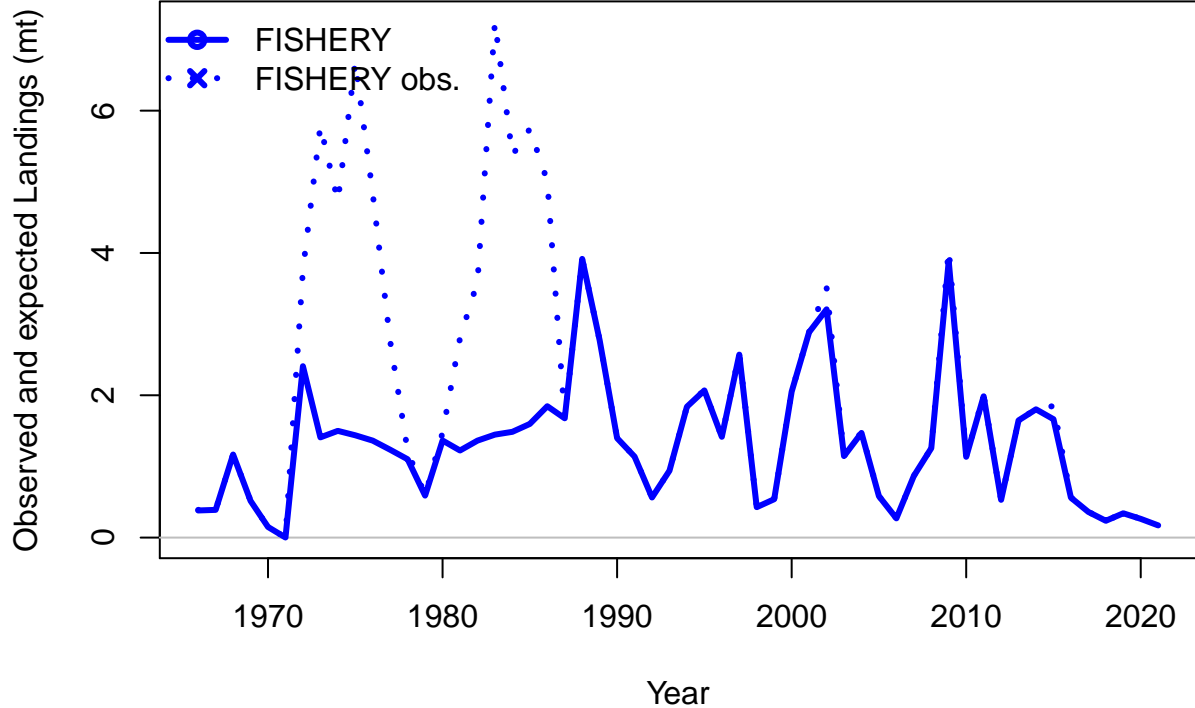


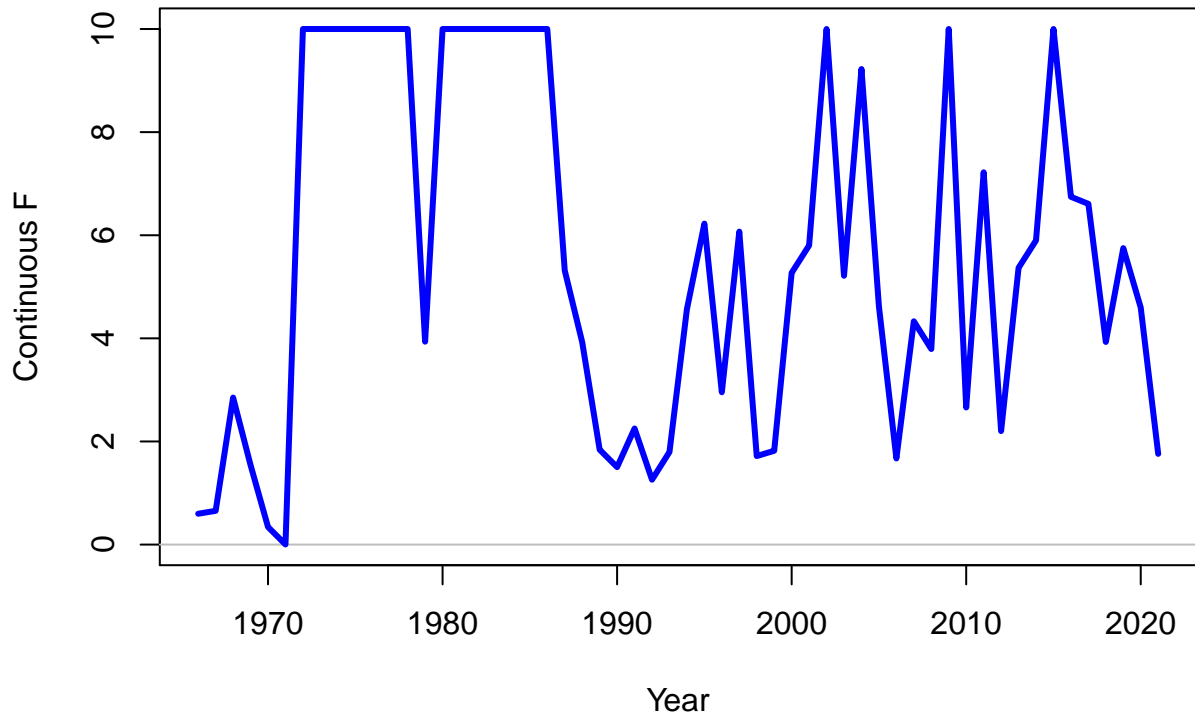
Log recruitment deviation



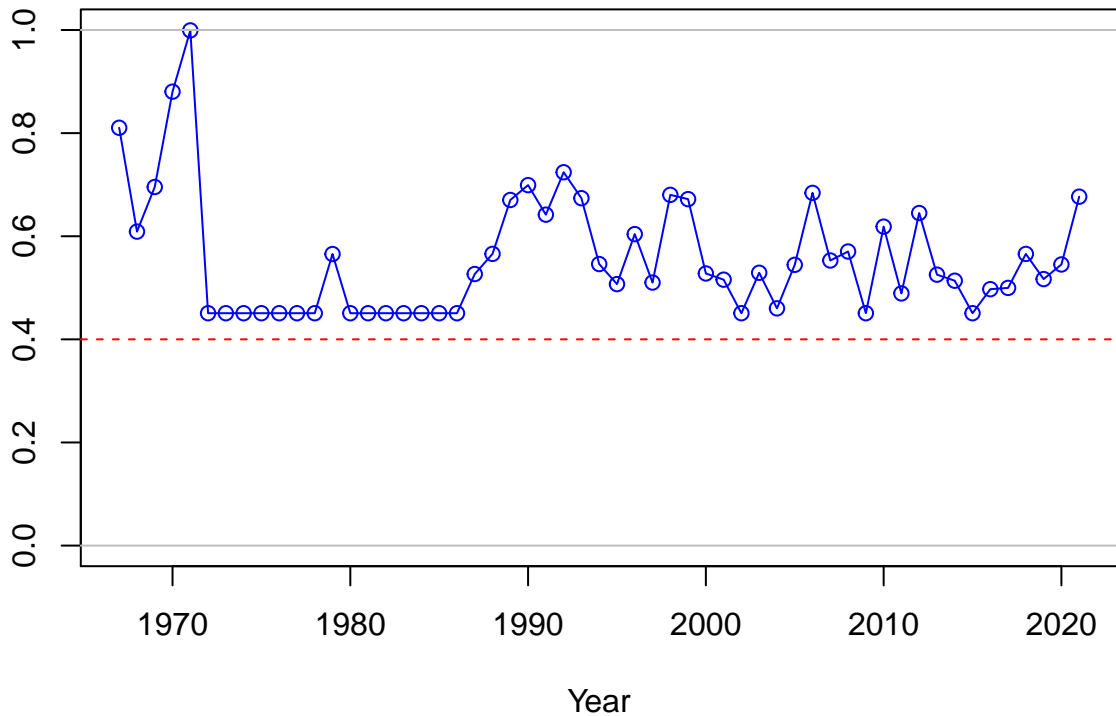


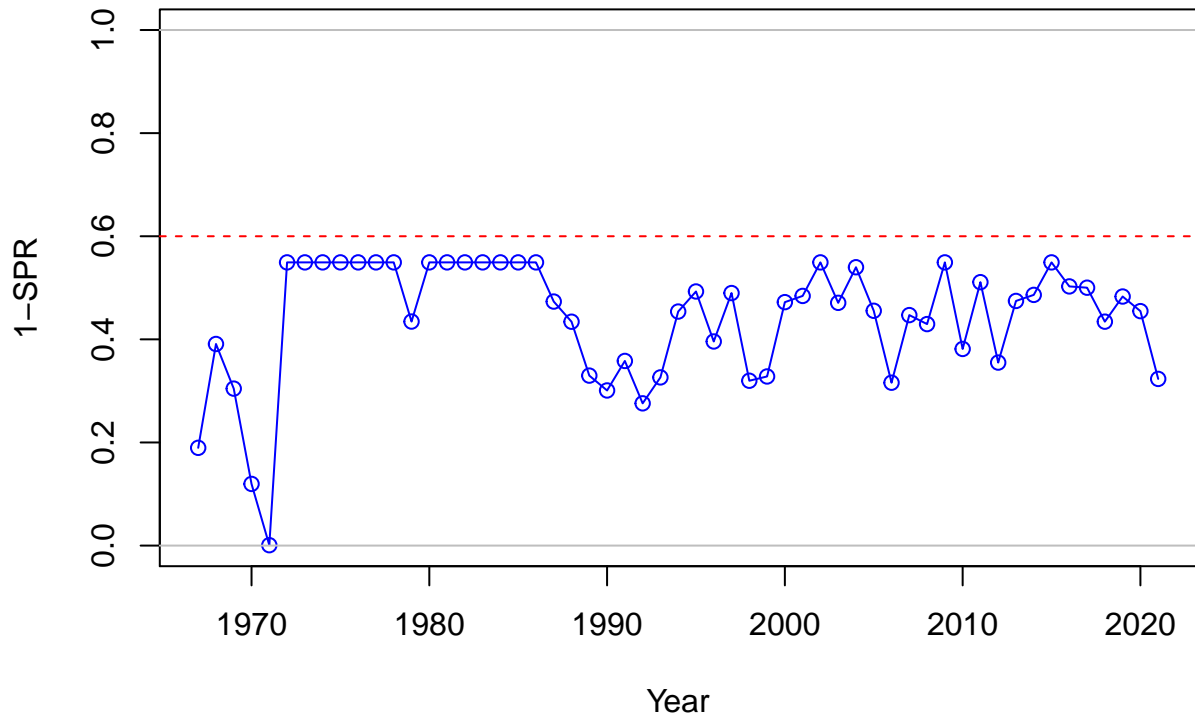




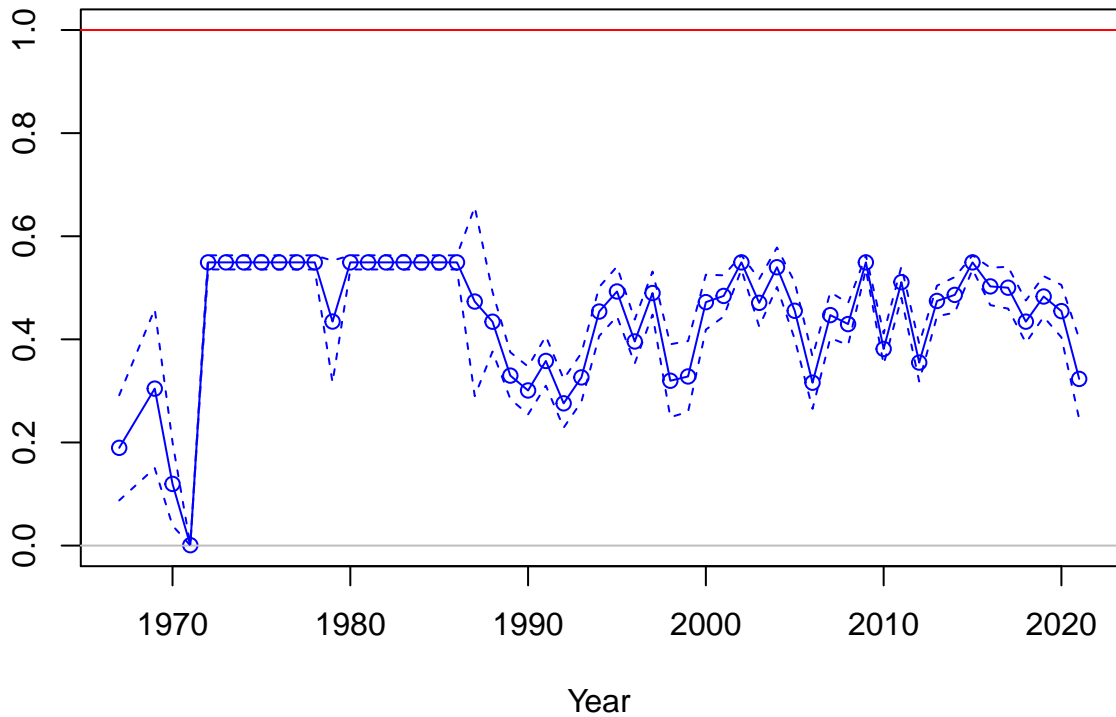


SPR

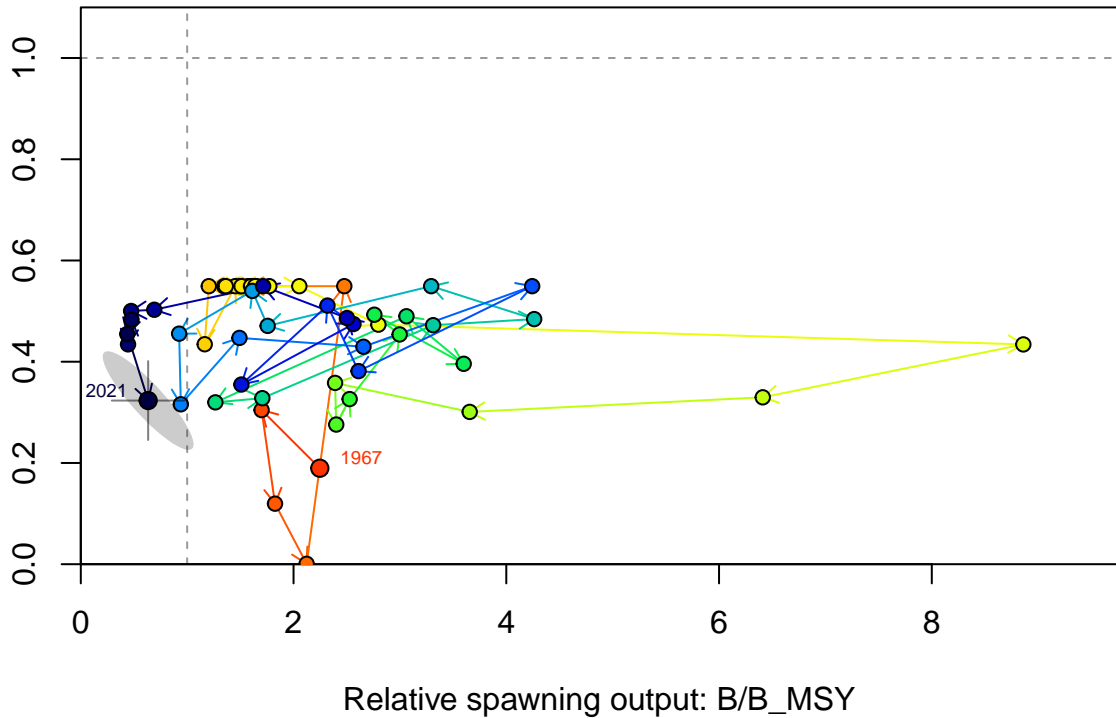




Fishing intensity: 1-SPR



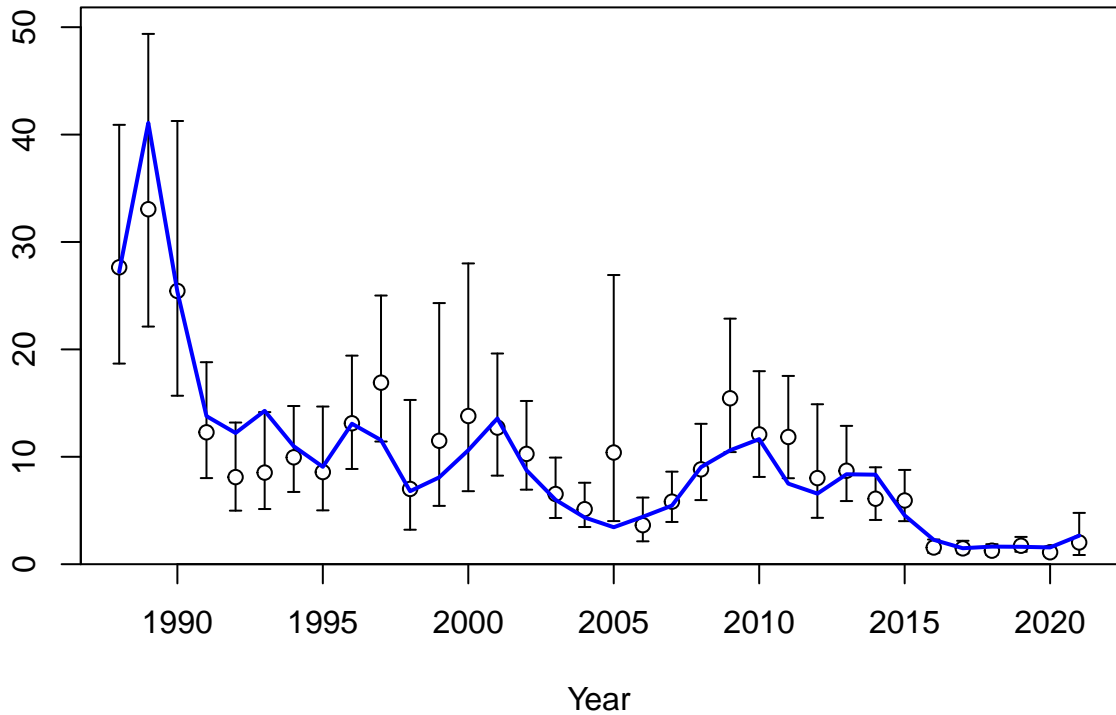
Fishing intensity: 1-SPR

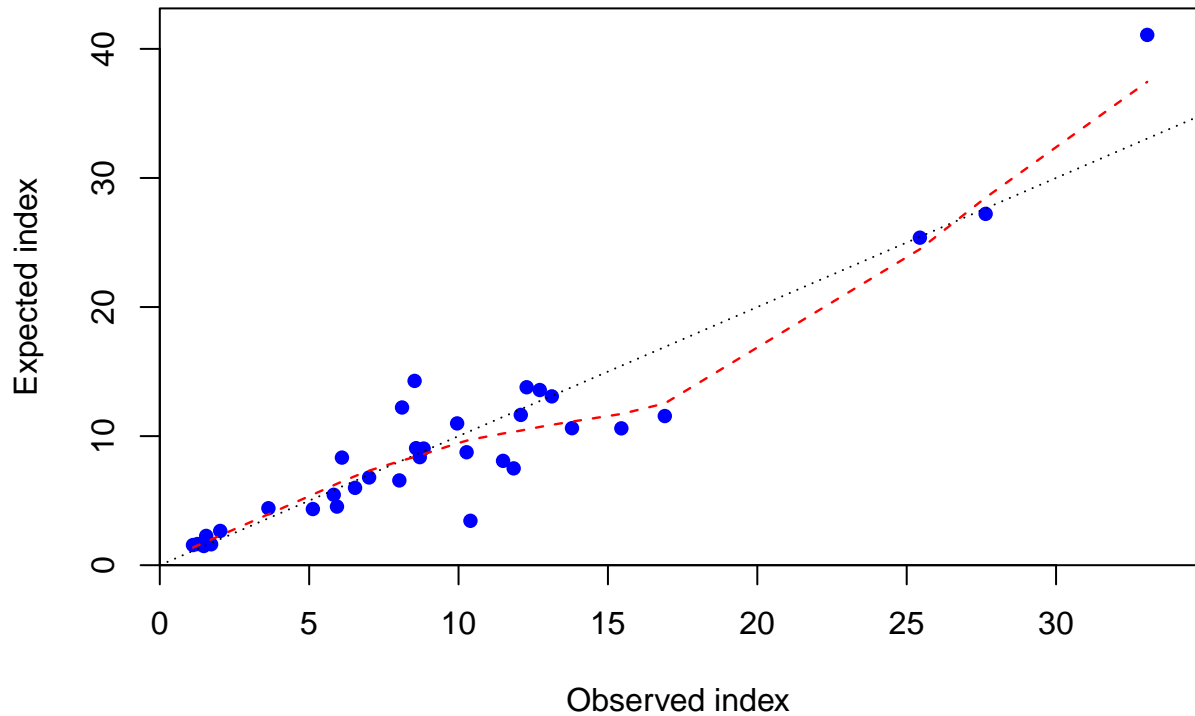


Index

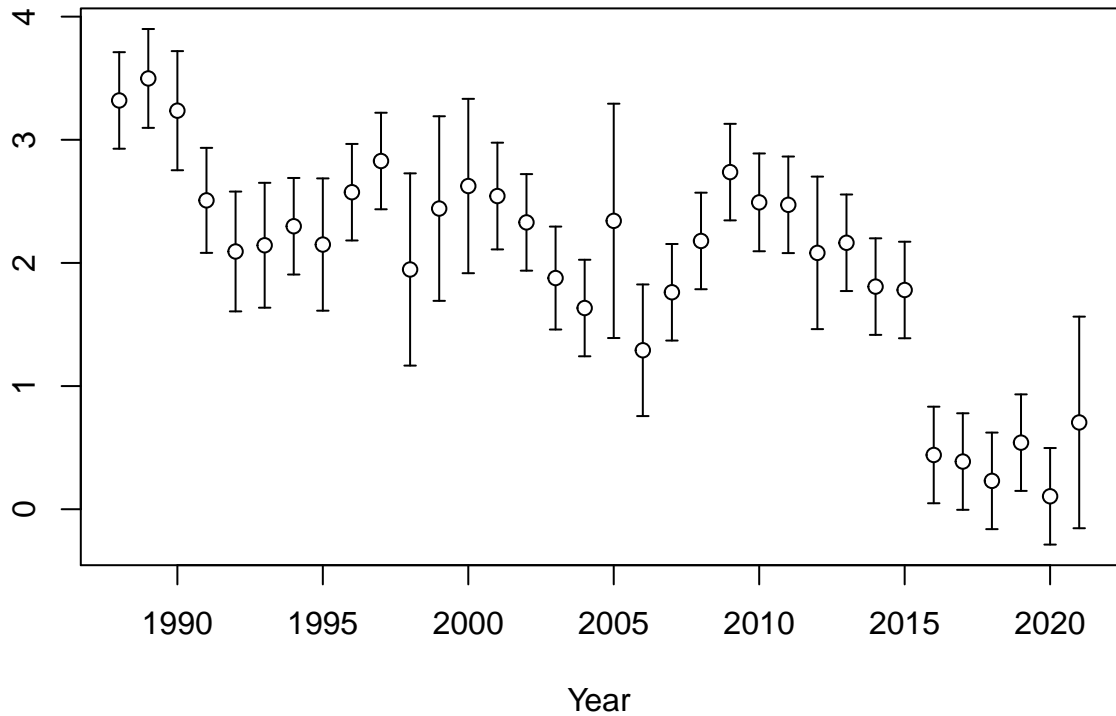


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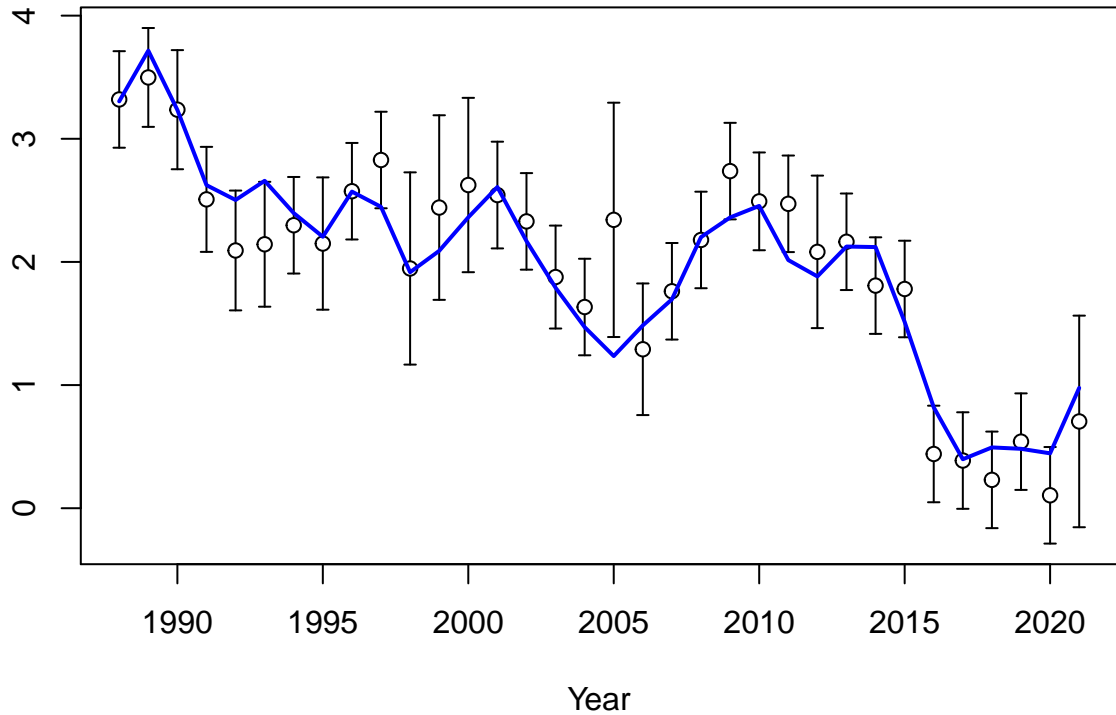


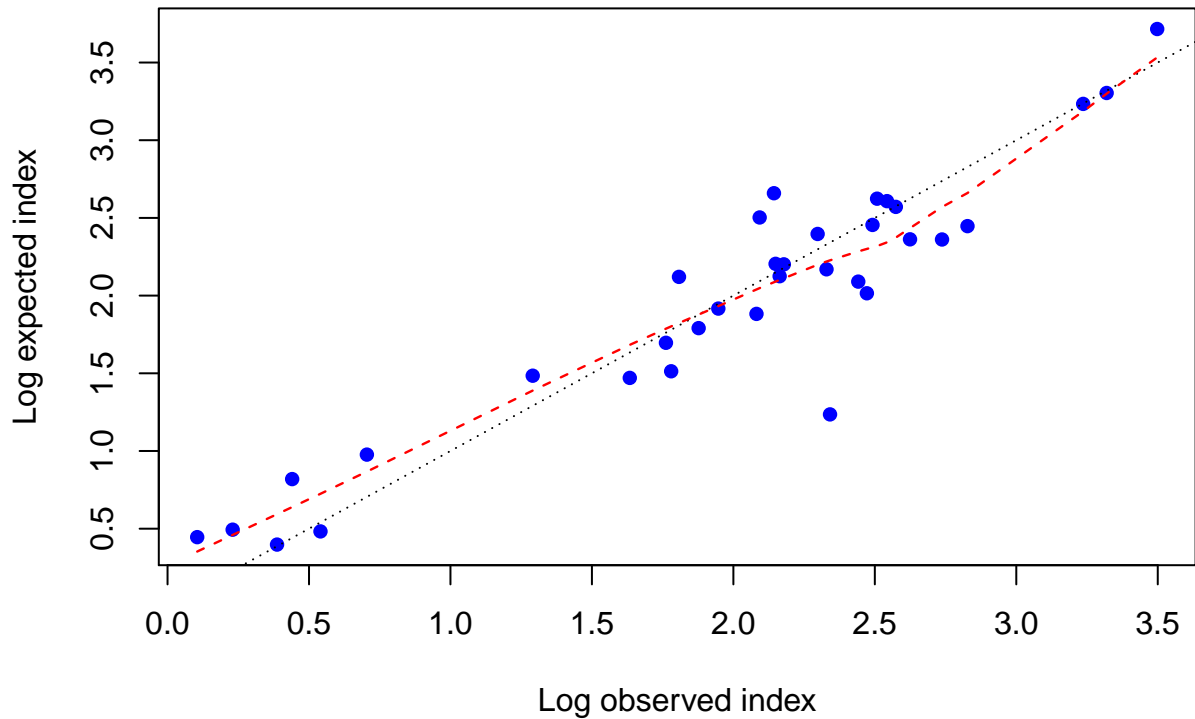


Log index

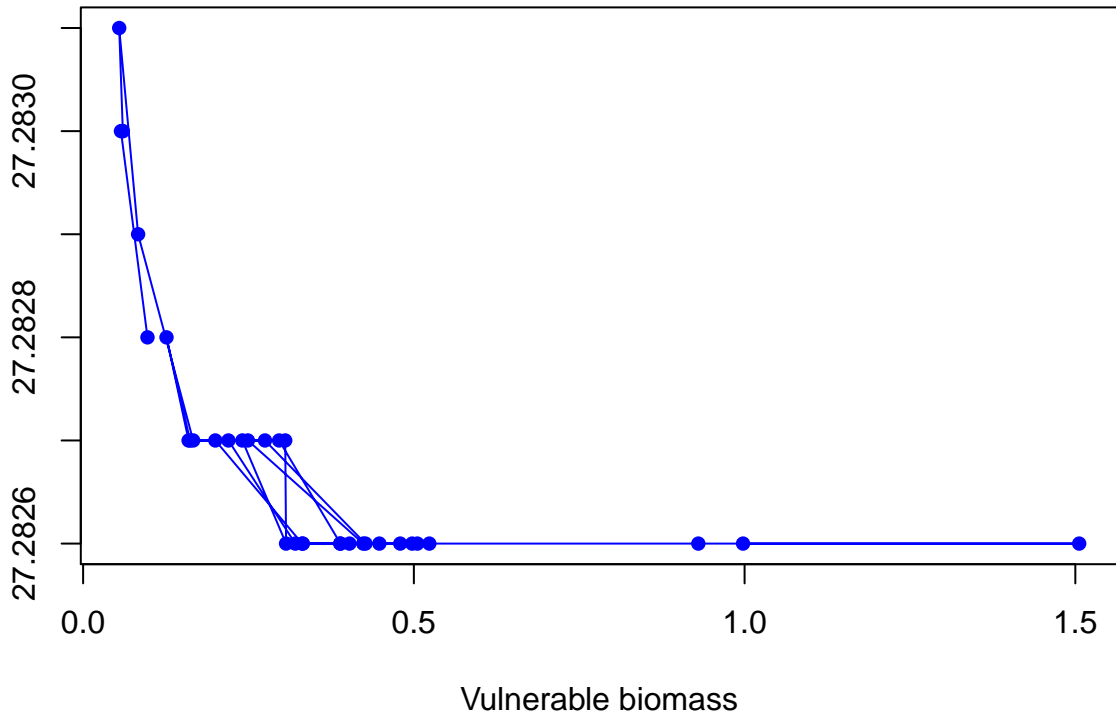


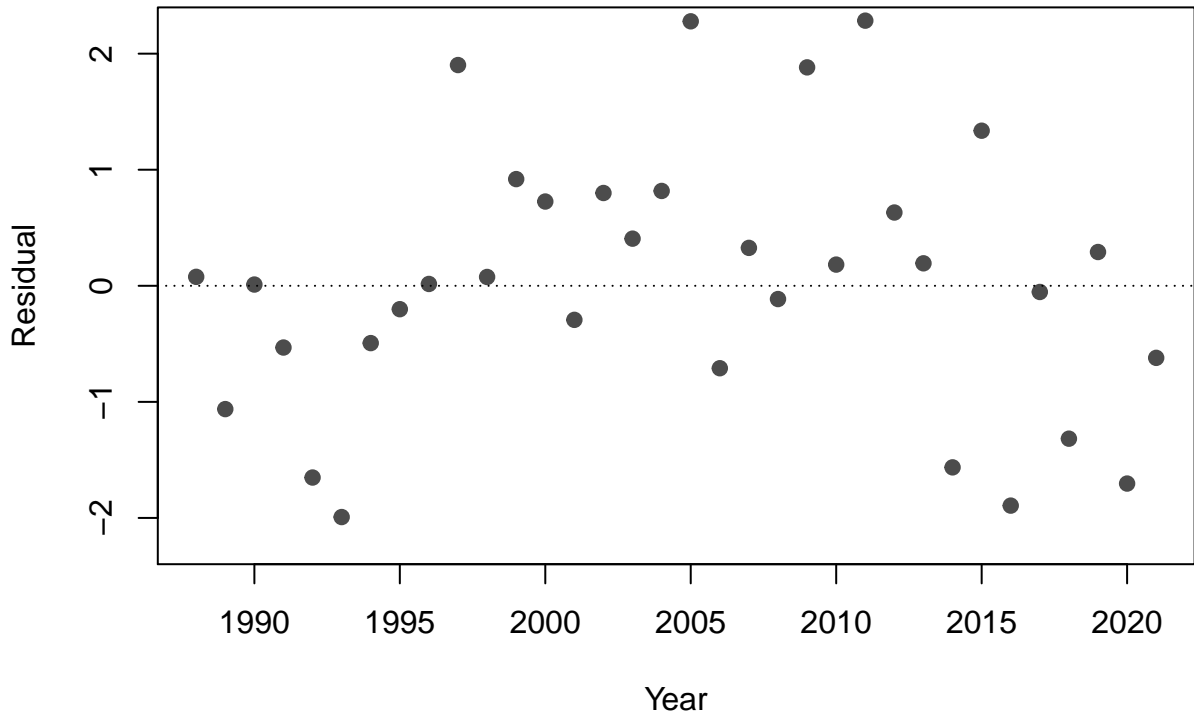
Log index

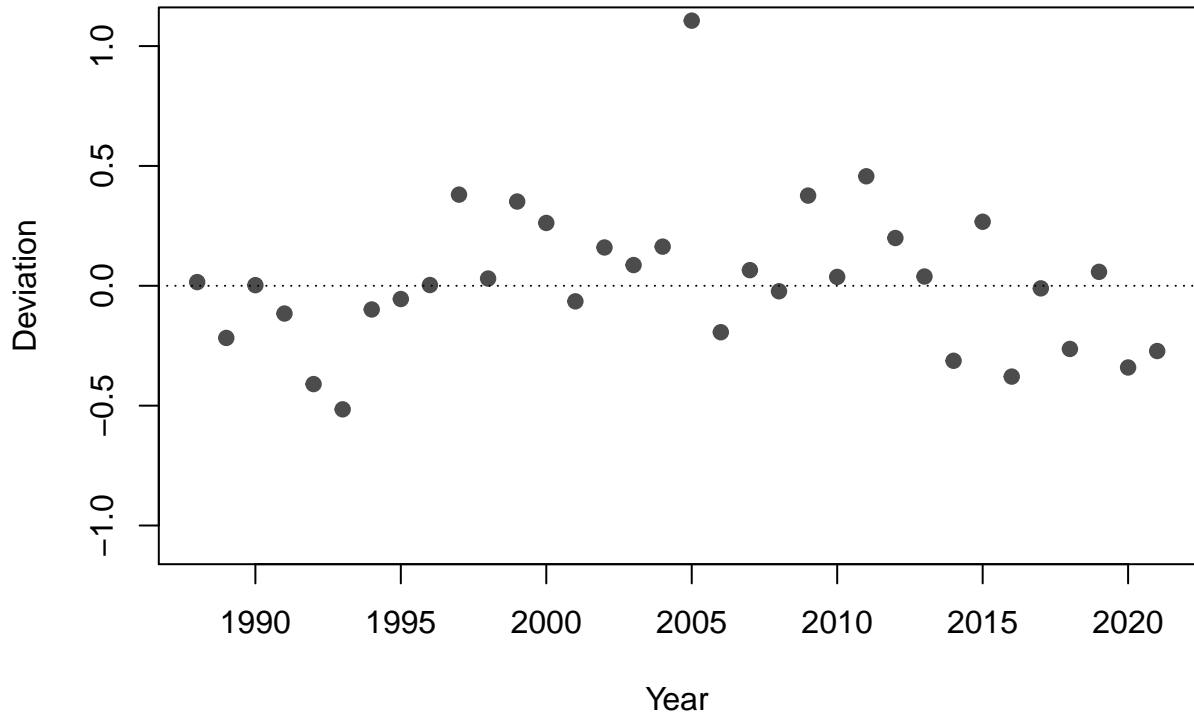




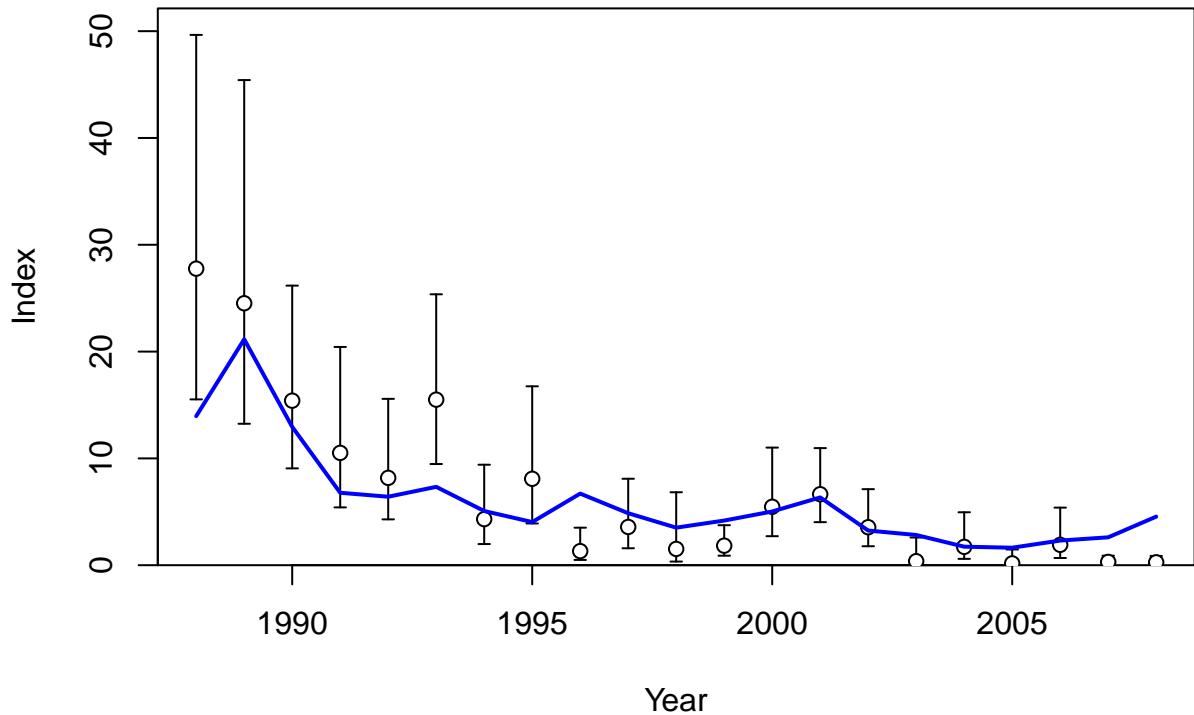
Effective catchability

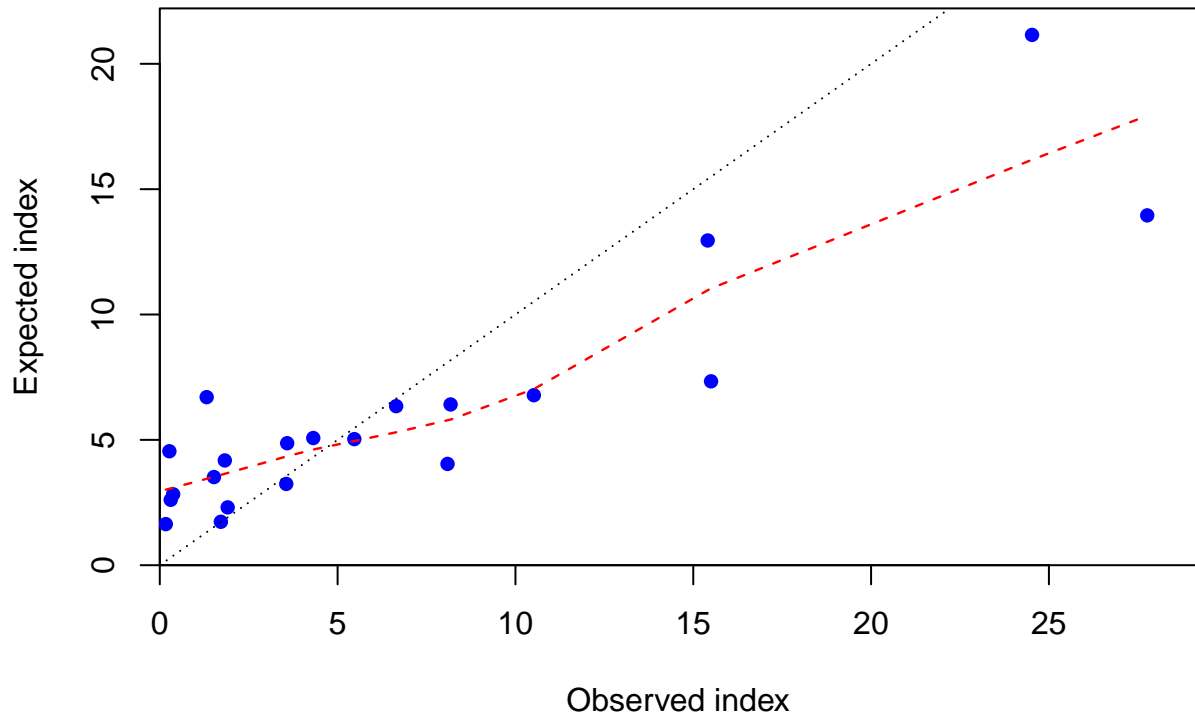




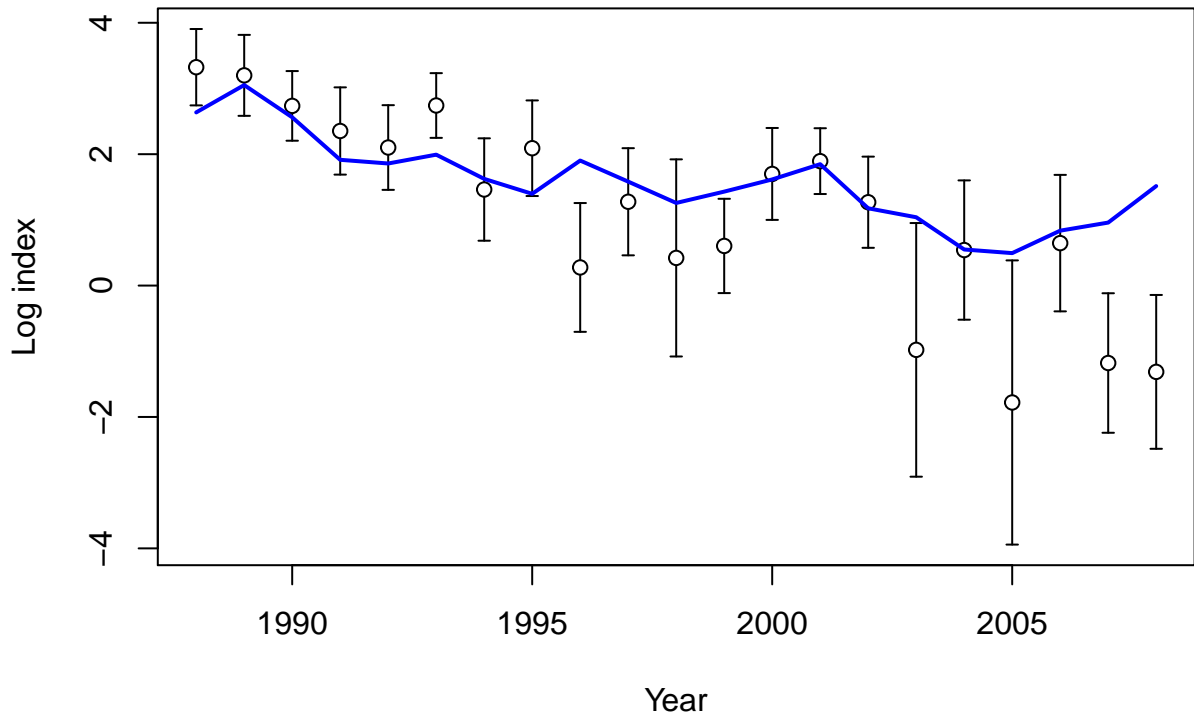


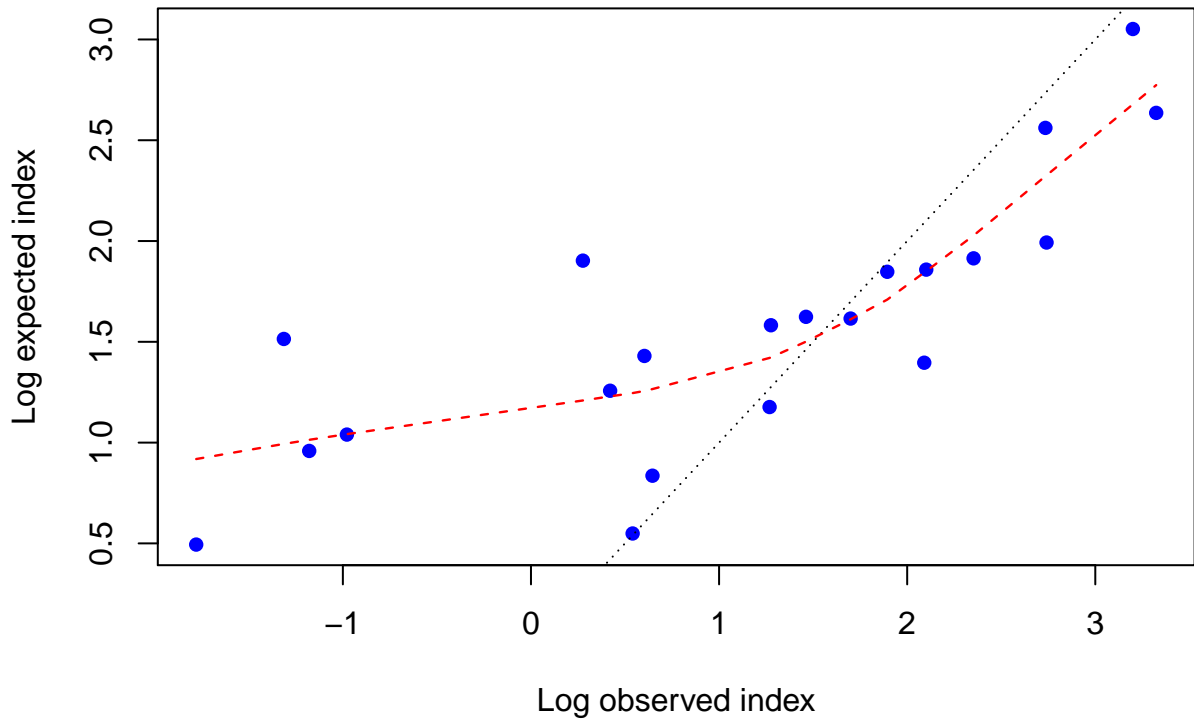




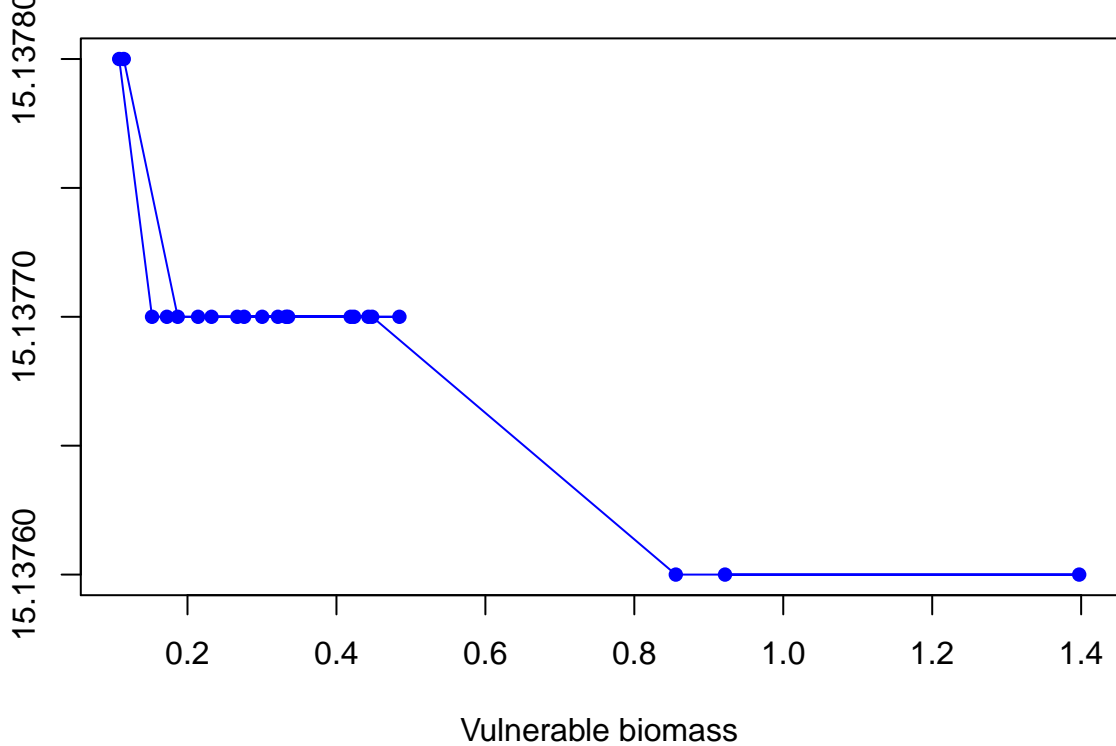


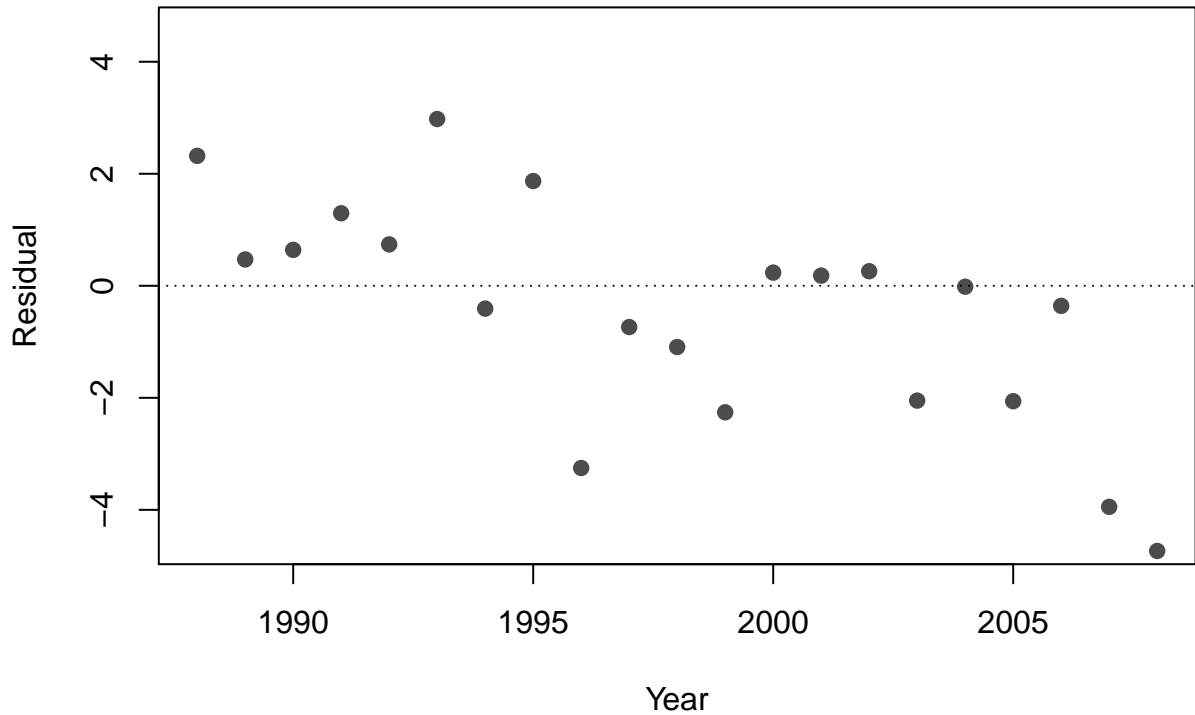


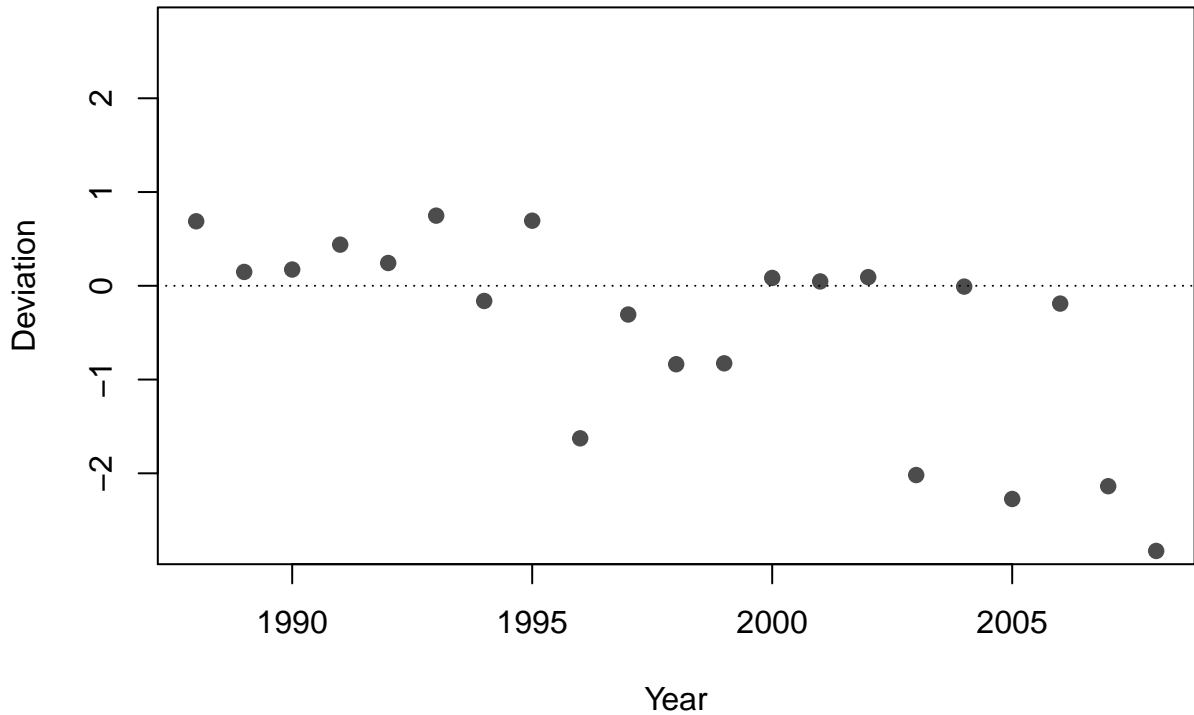




Effective catchability

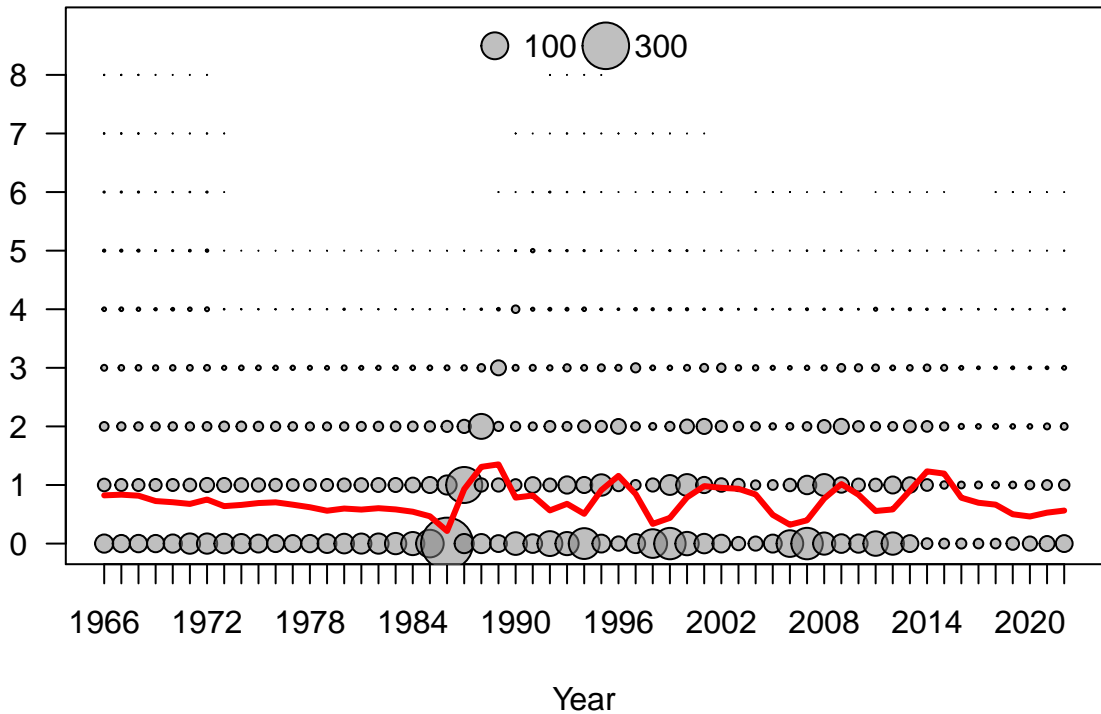




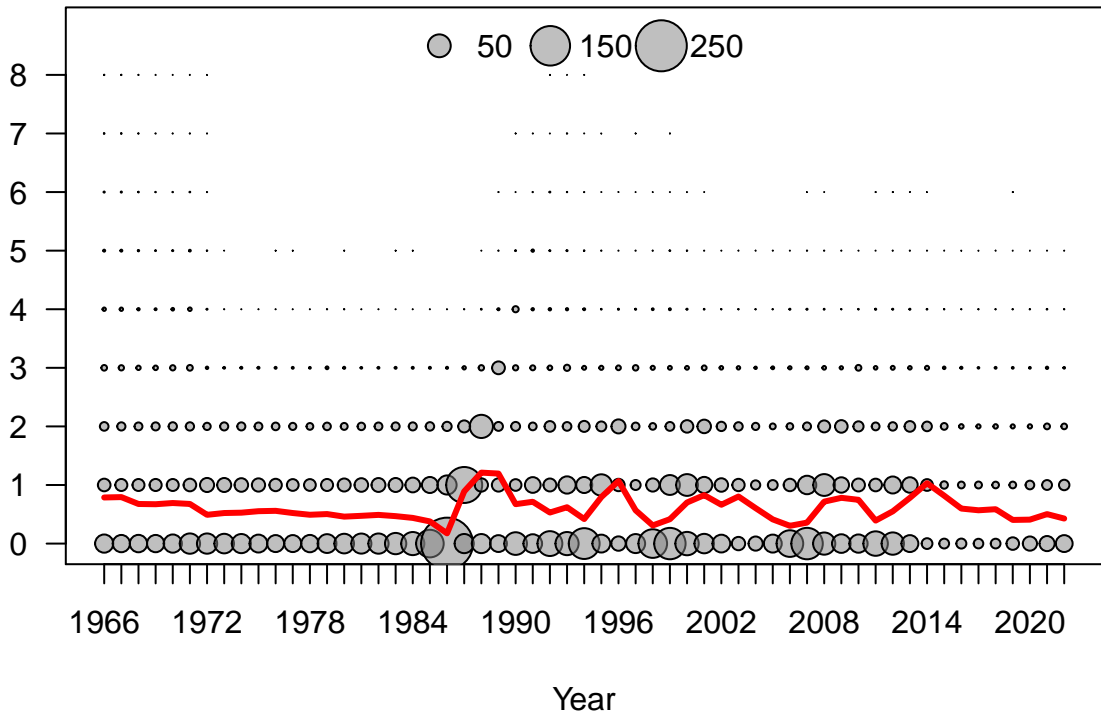


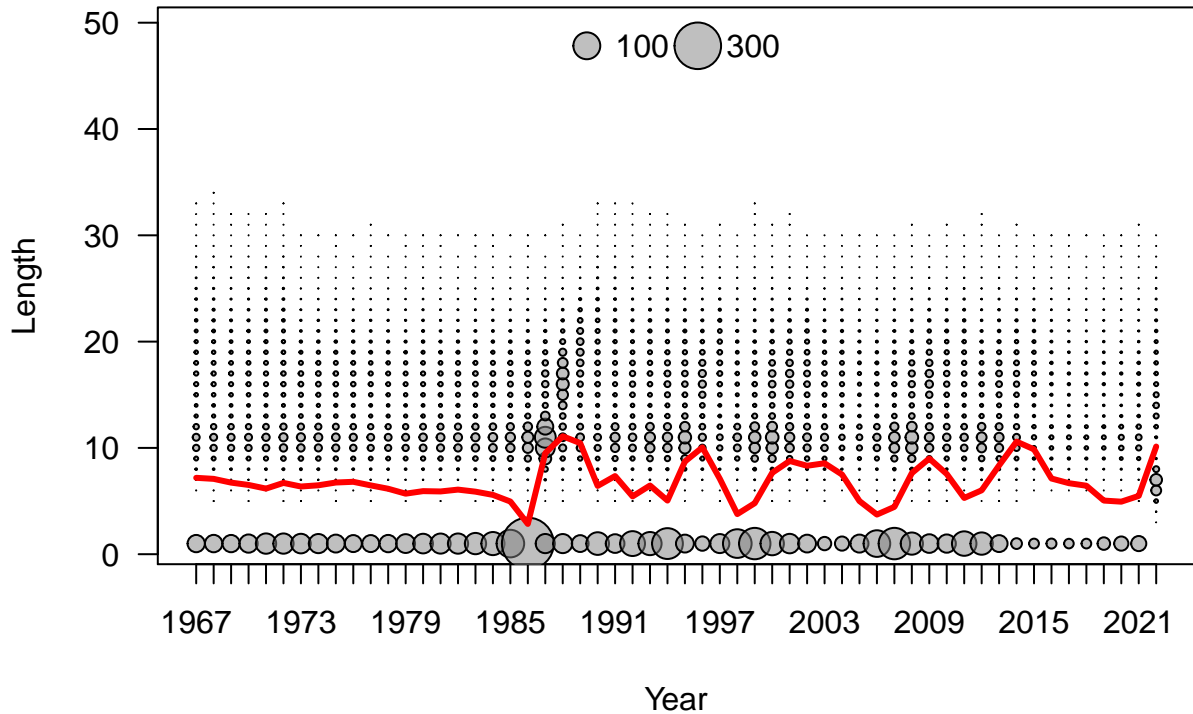


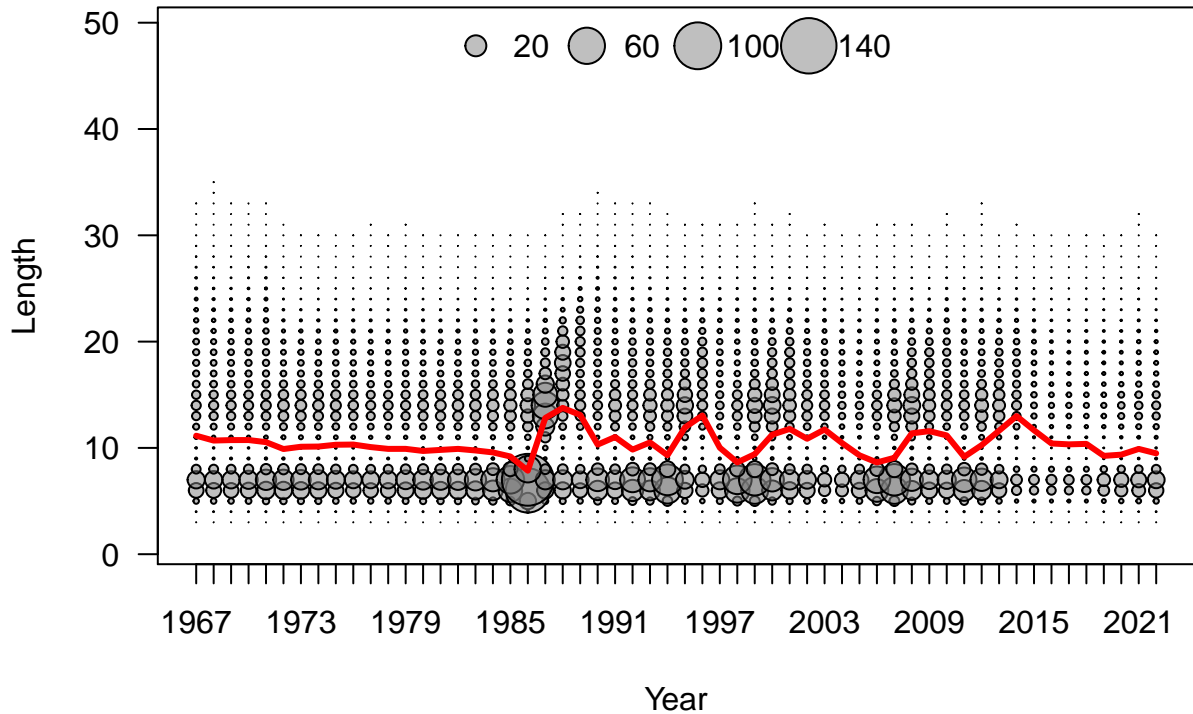
Age

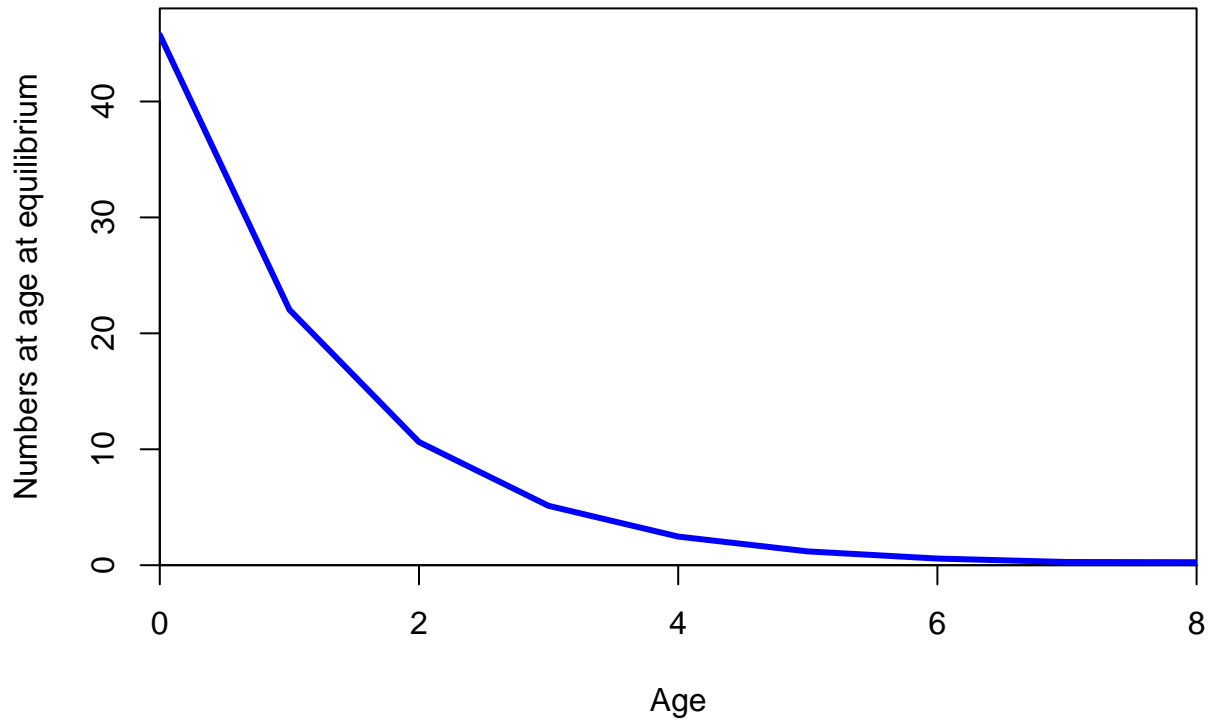


Age



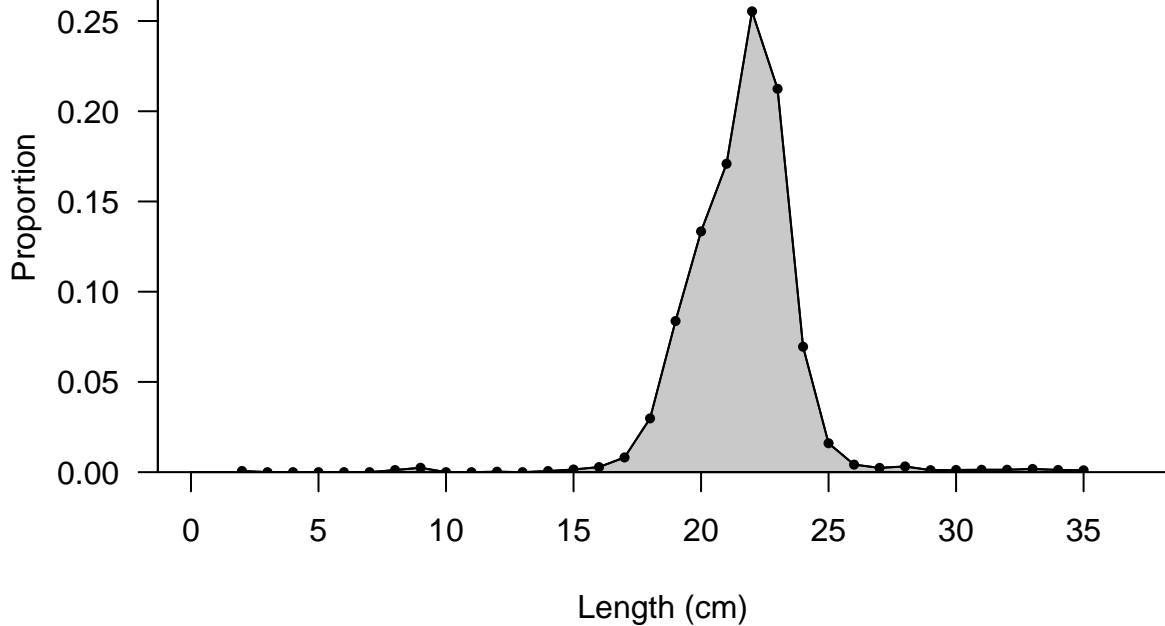


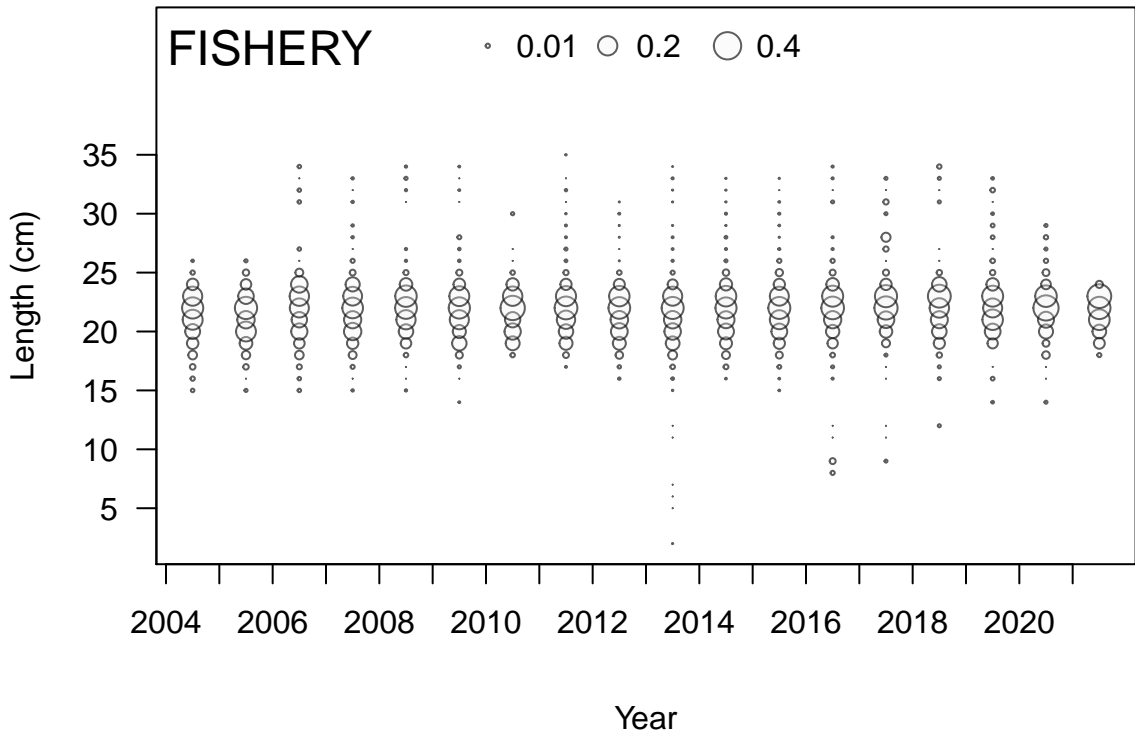


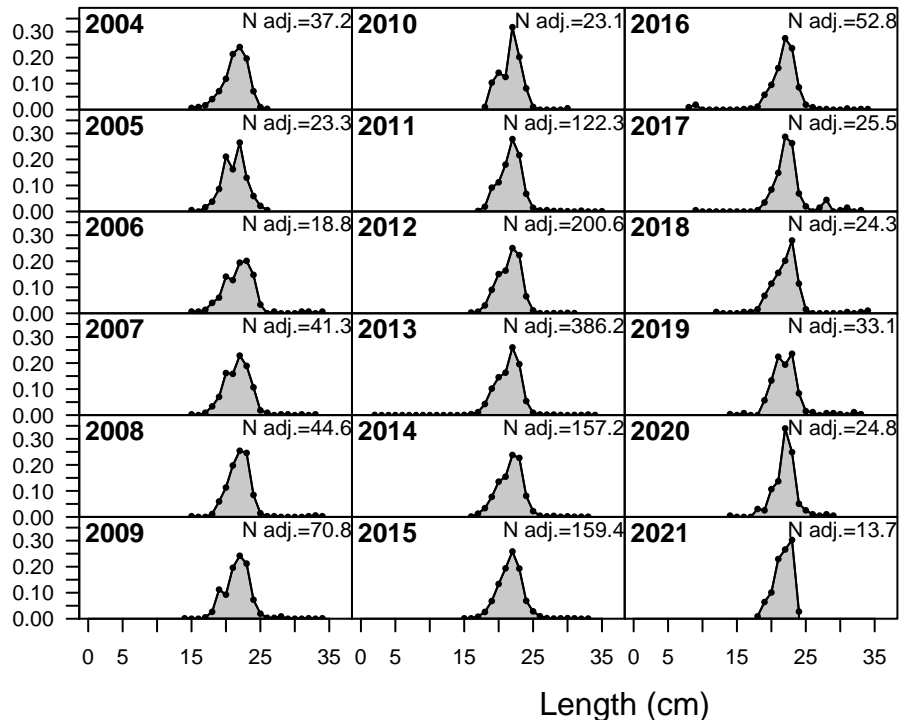


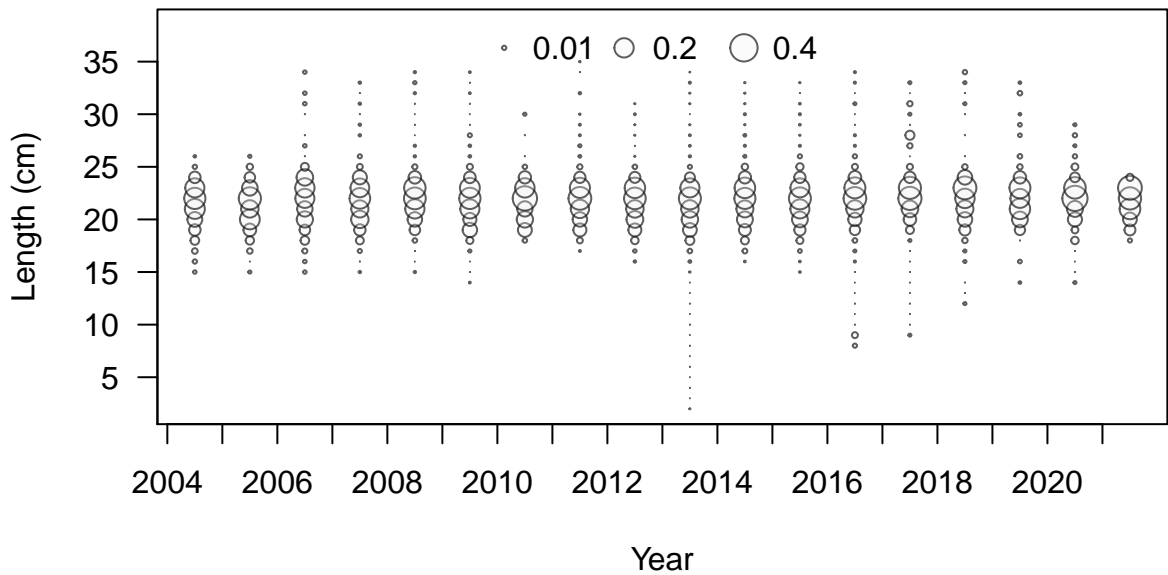
FISHERY

Sum of N adj.=1459.1

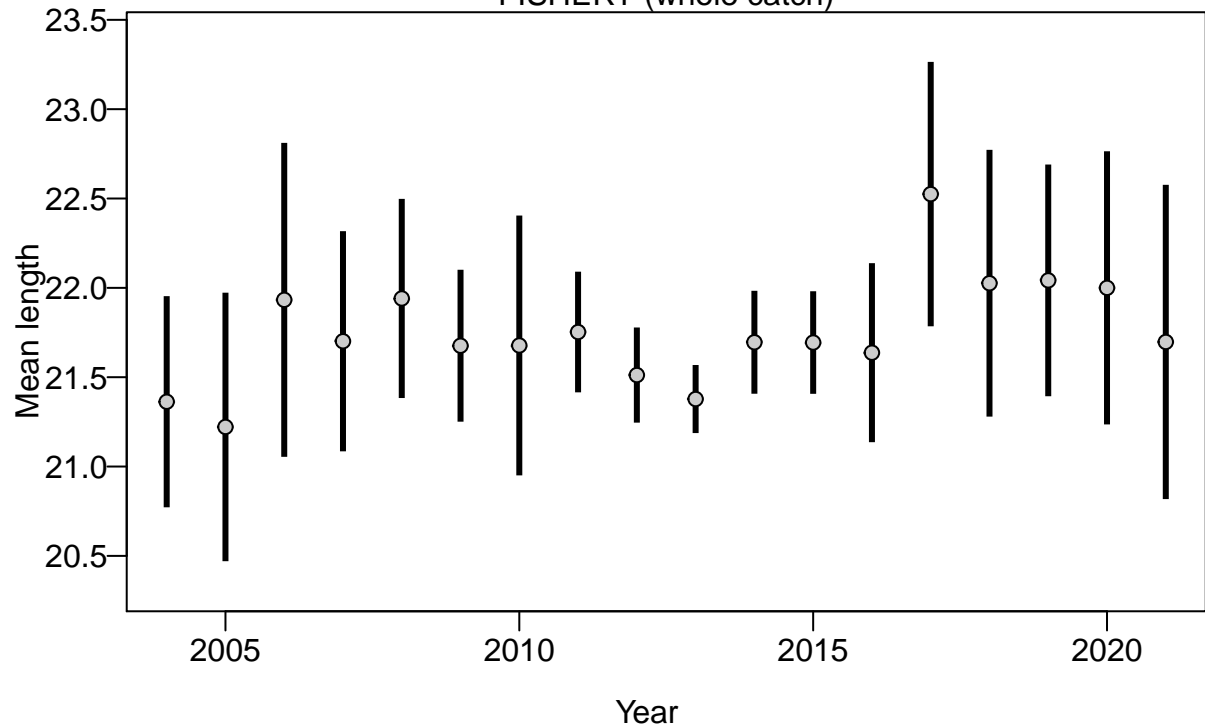


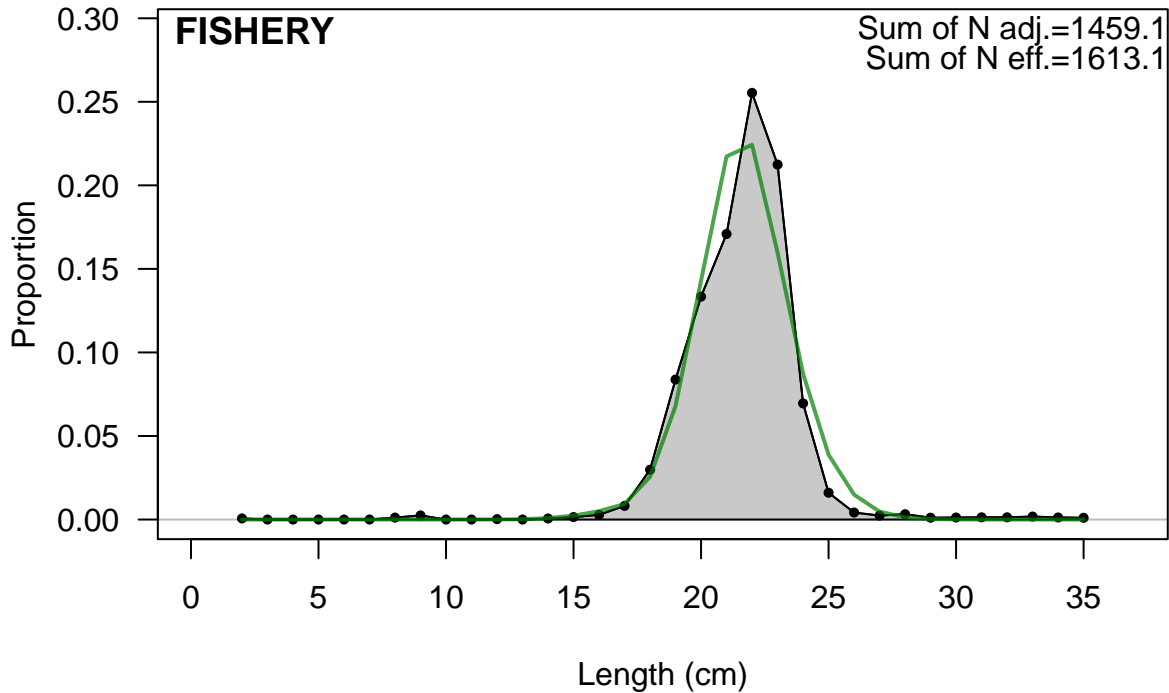


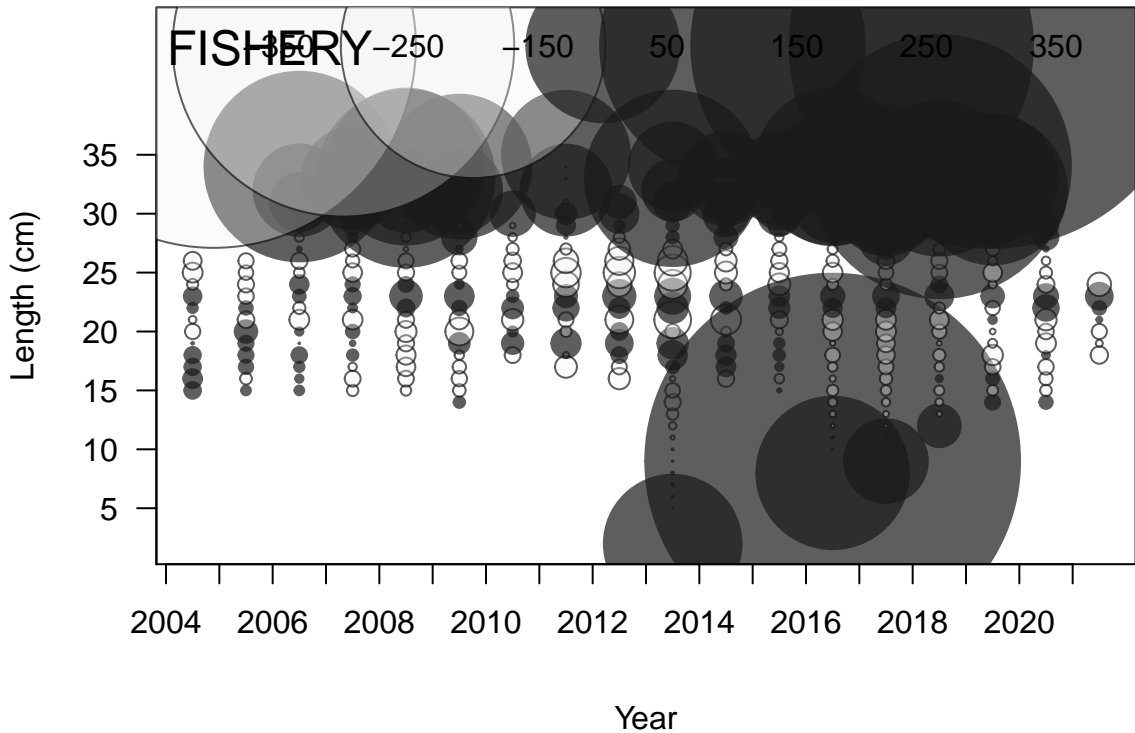


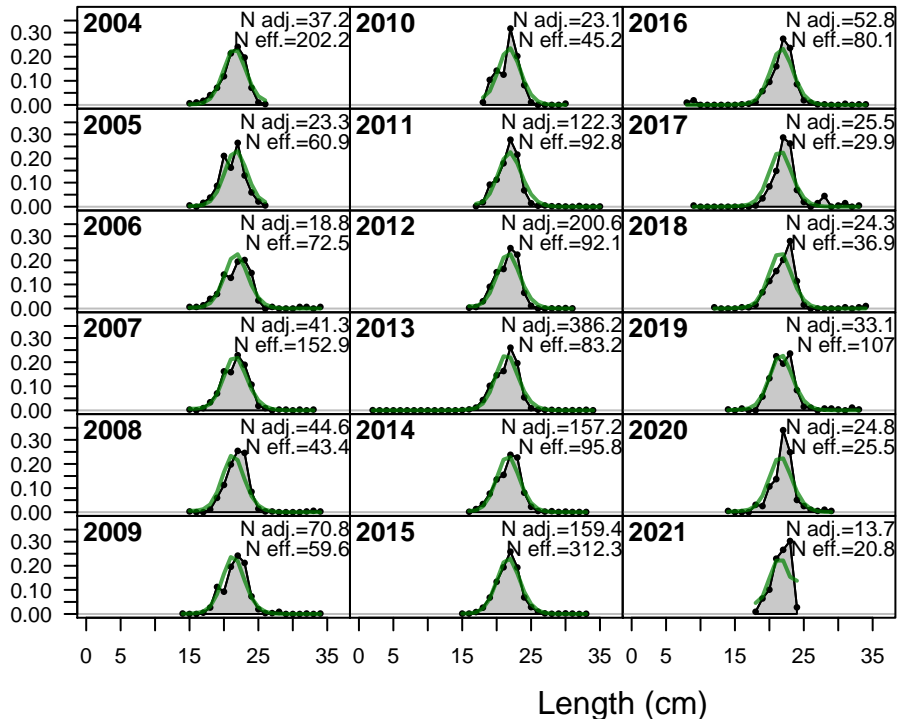


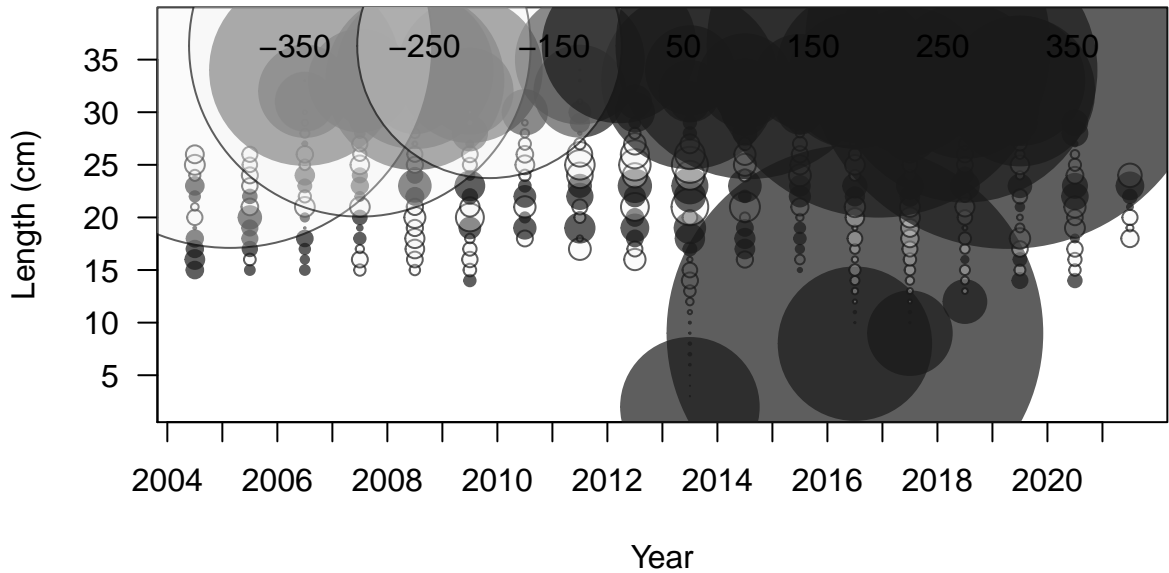
FISHERY (whole catch)



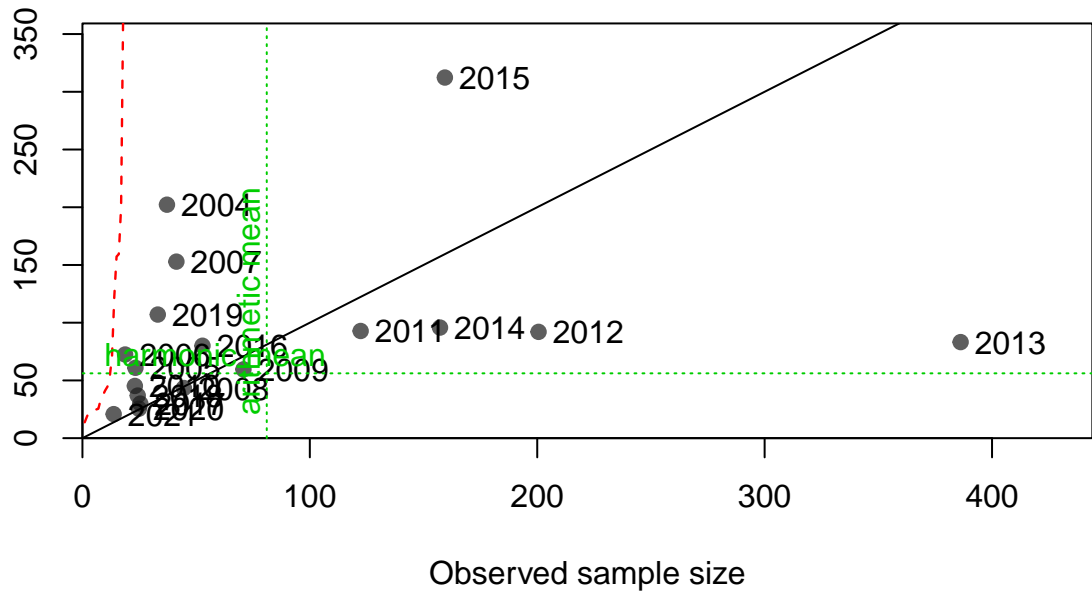




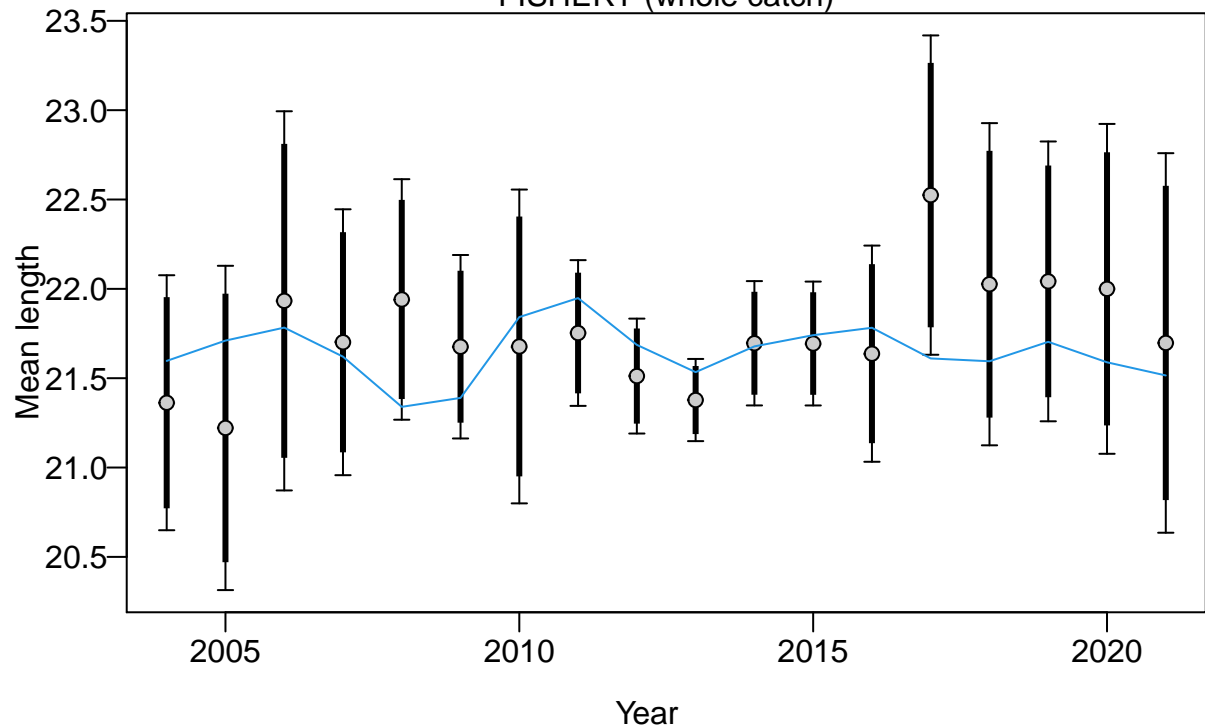


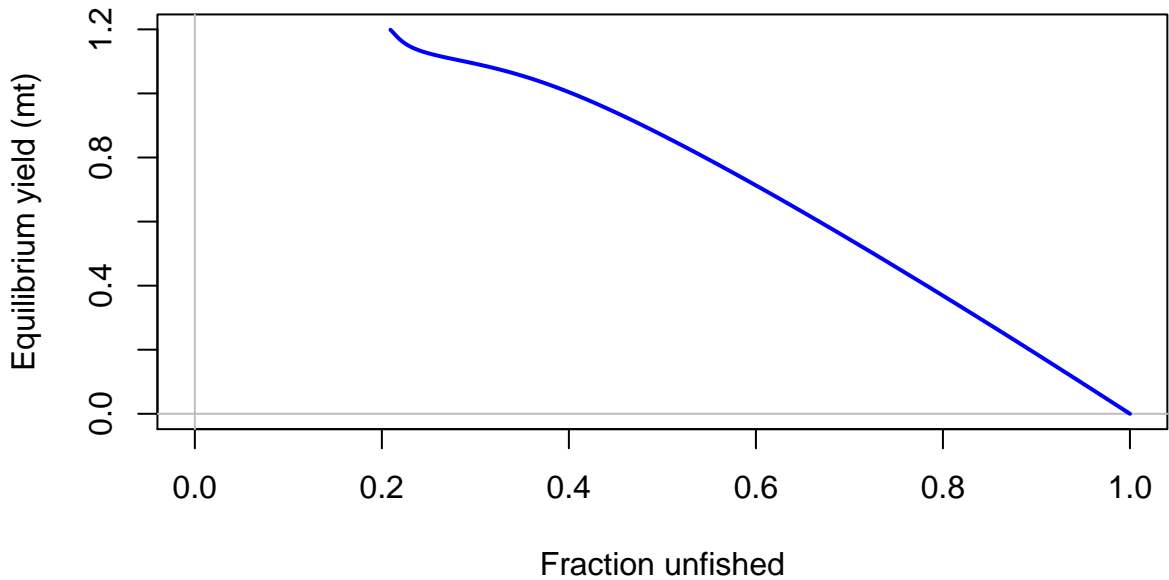


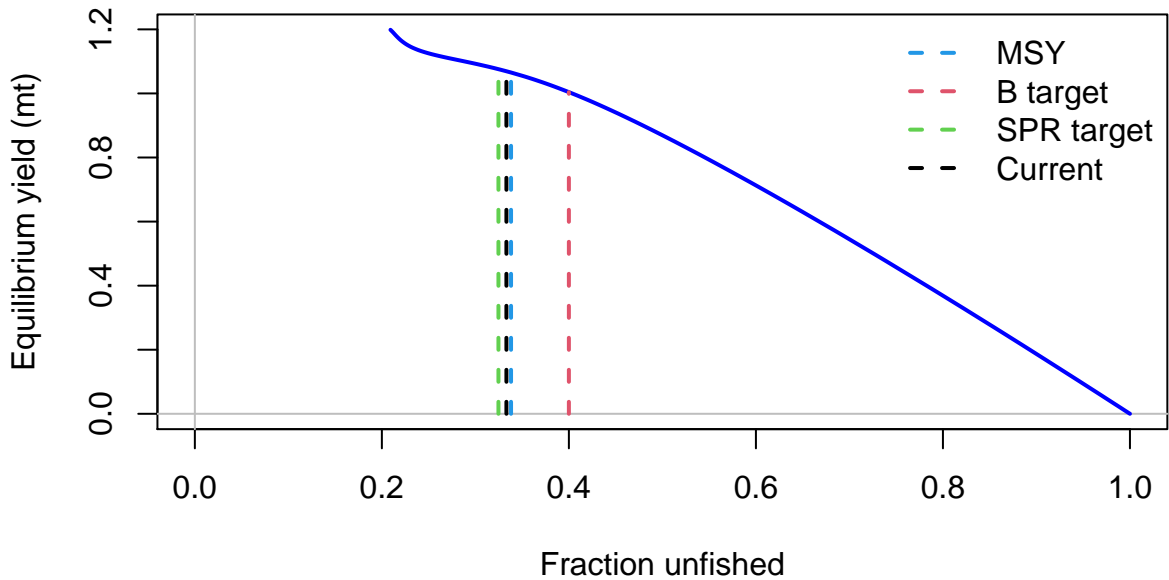
Effective sample size

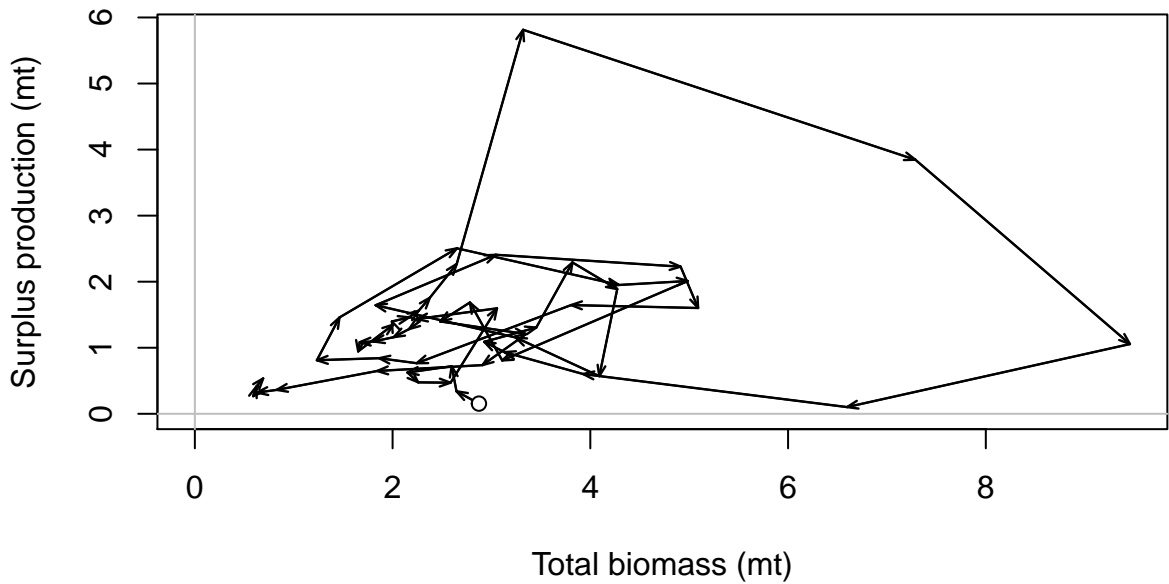


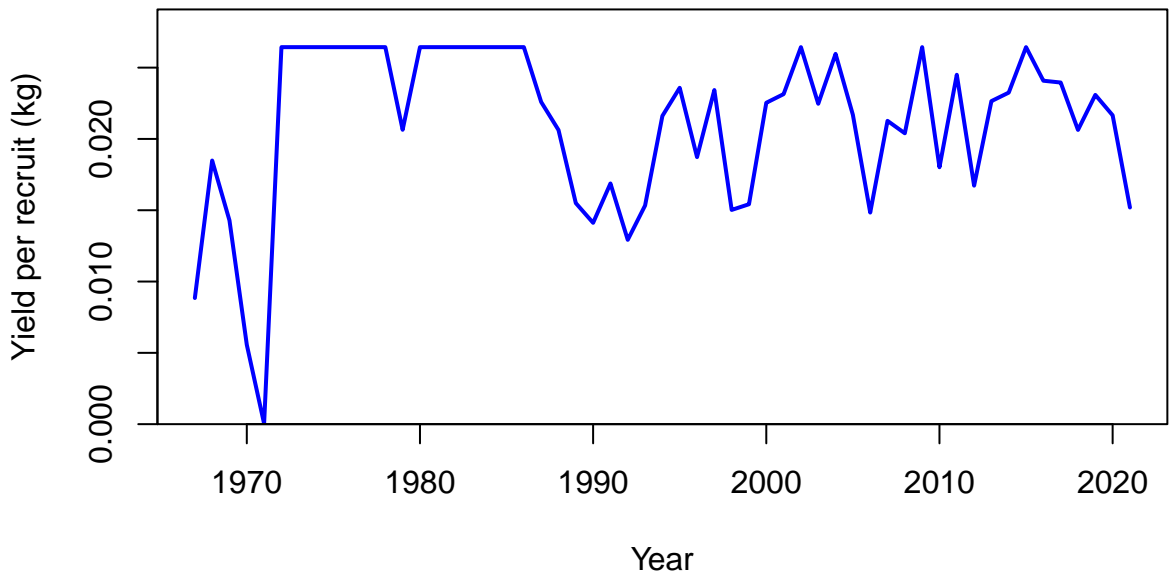
FISHERY (whole catch)

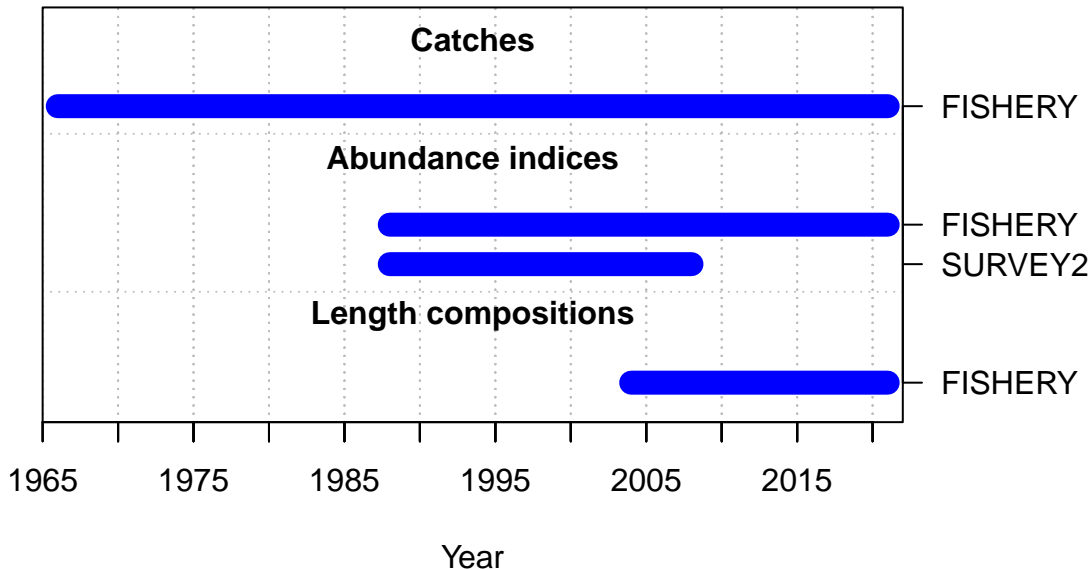


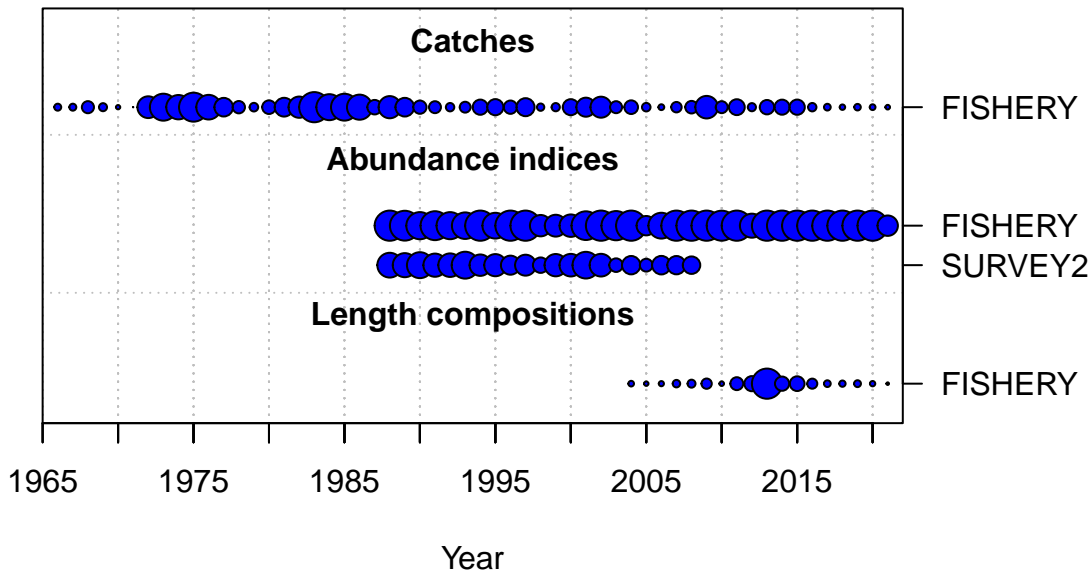






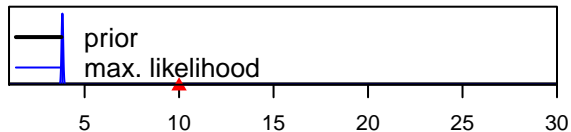




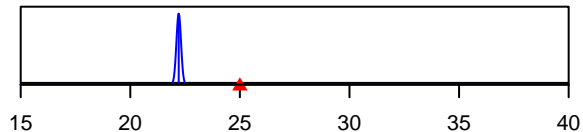


Density

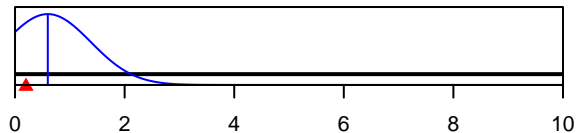
SR_LN(R0)



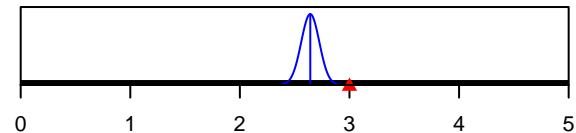
Size_inflection_FISHERY(1)



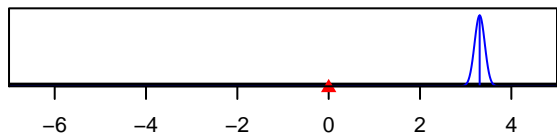
InitF_seas_1_flt_1FISHERY



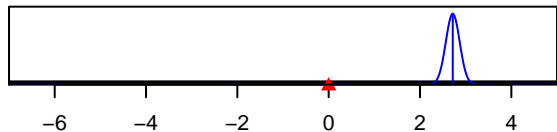
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value