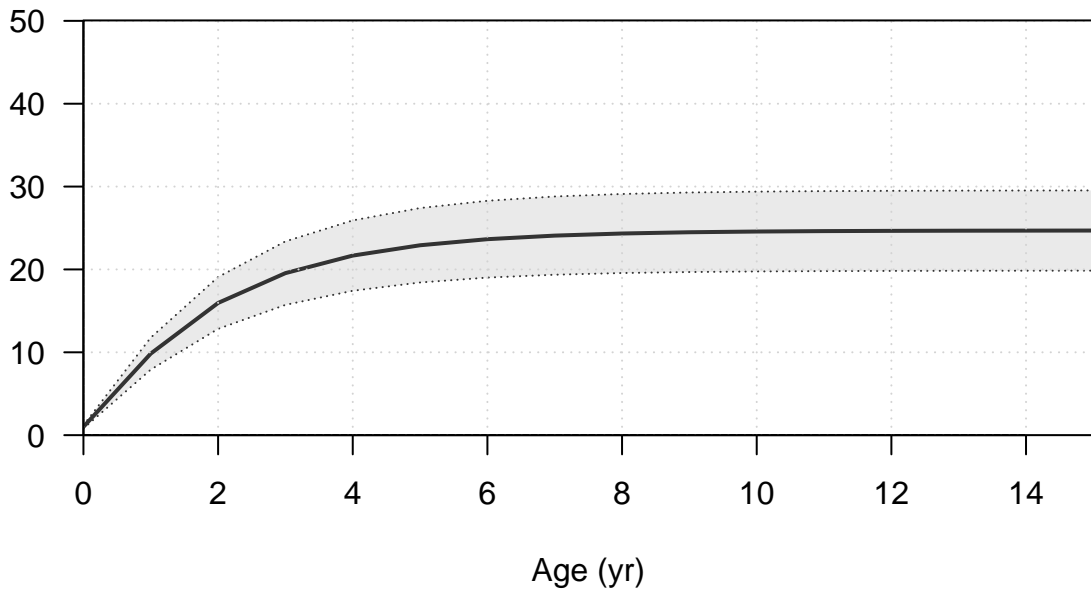
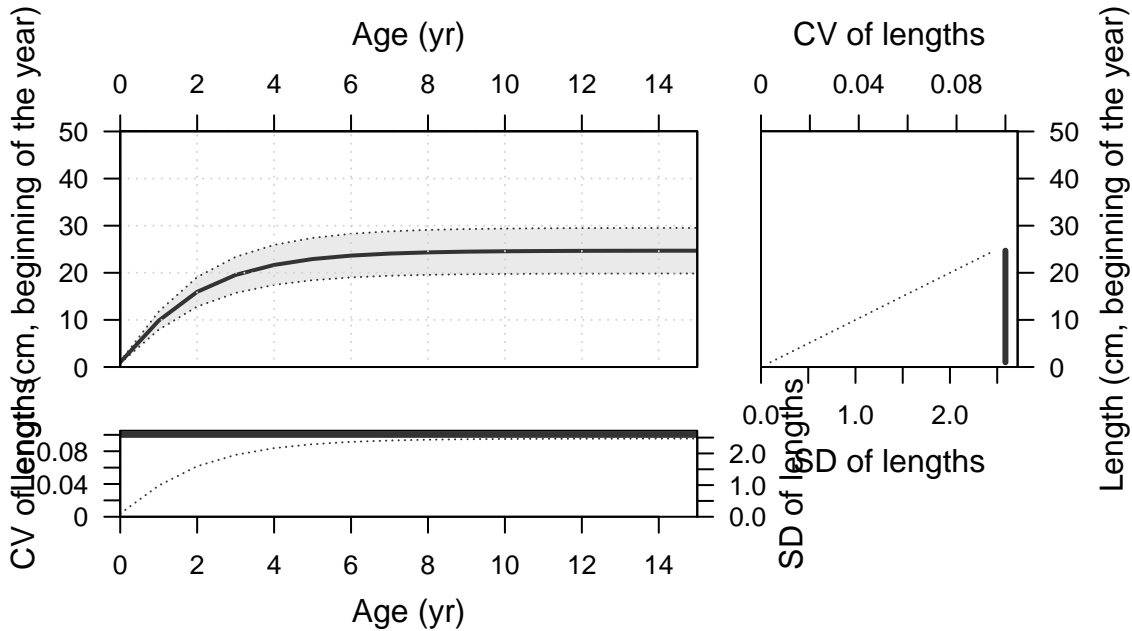
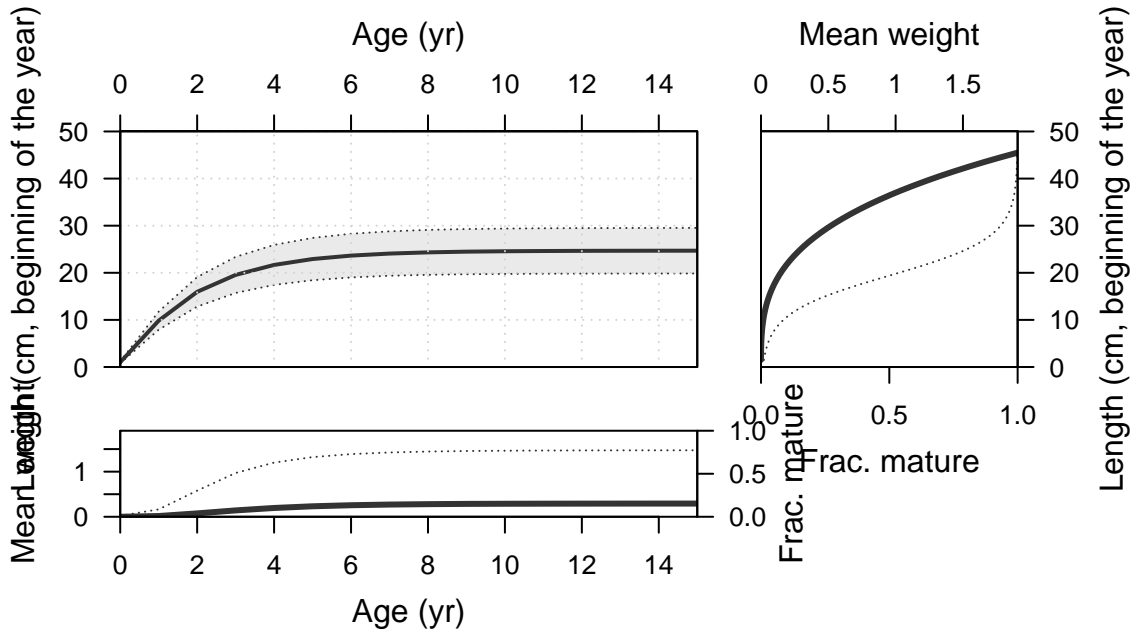


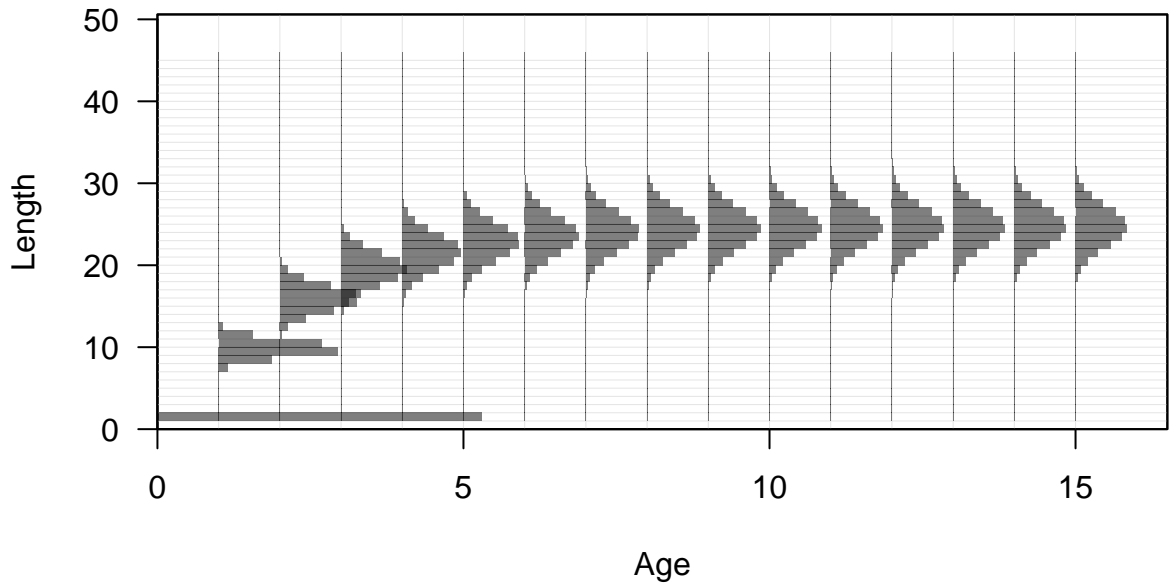
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Thu Jul 07 14:14:52 2022
Data_File: data.ss
Control_File: control.ss

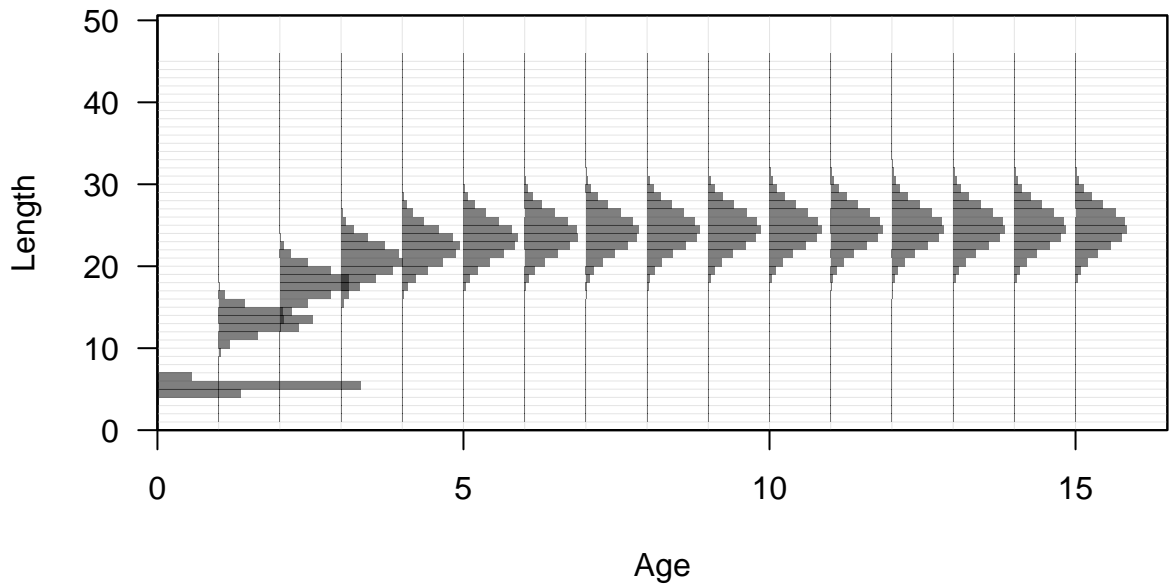
Length (cm, beginning of the year)



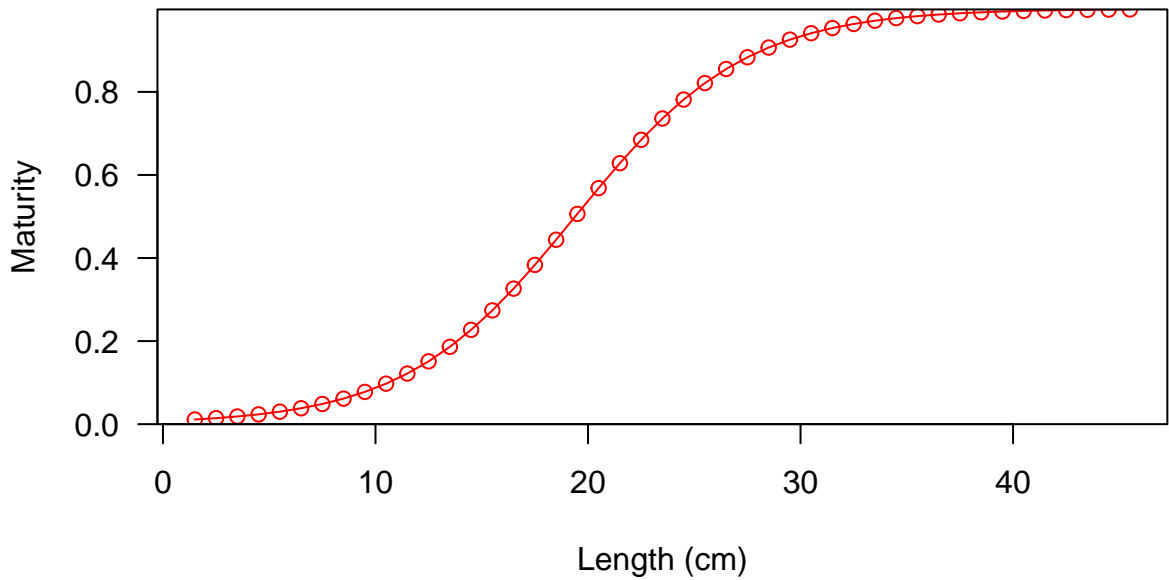




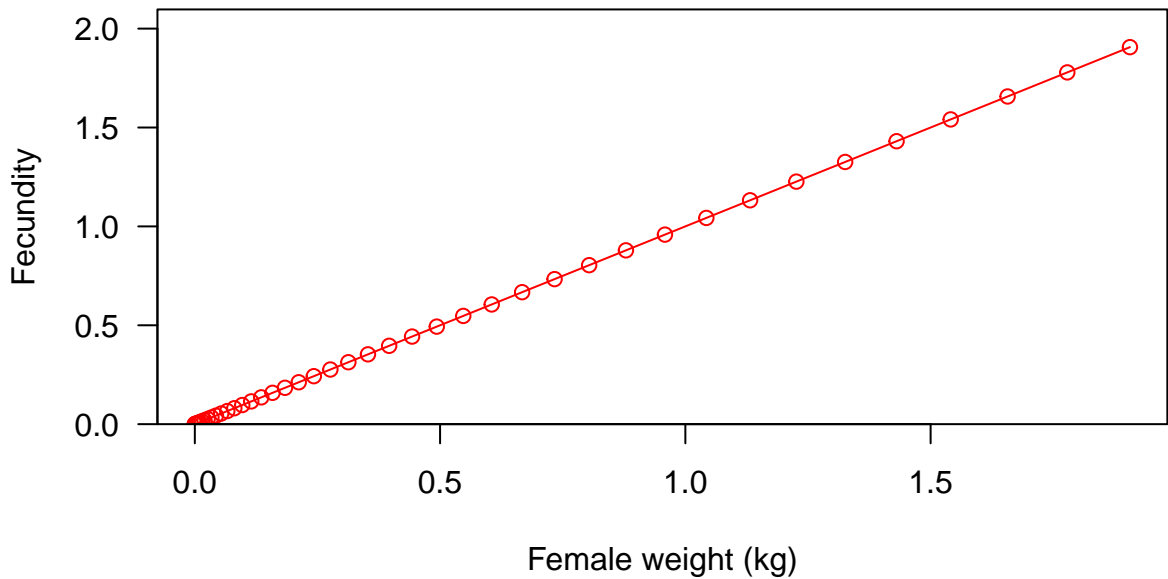




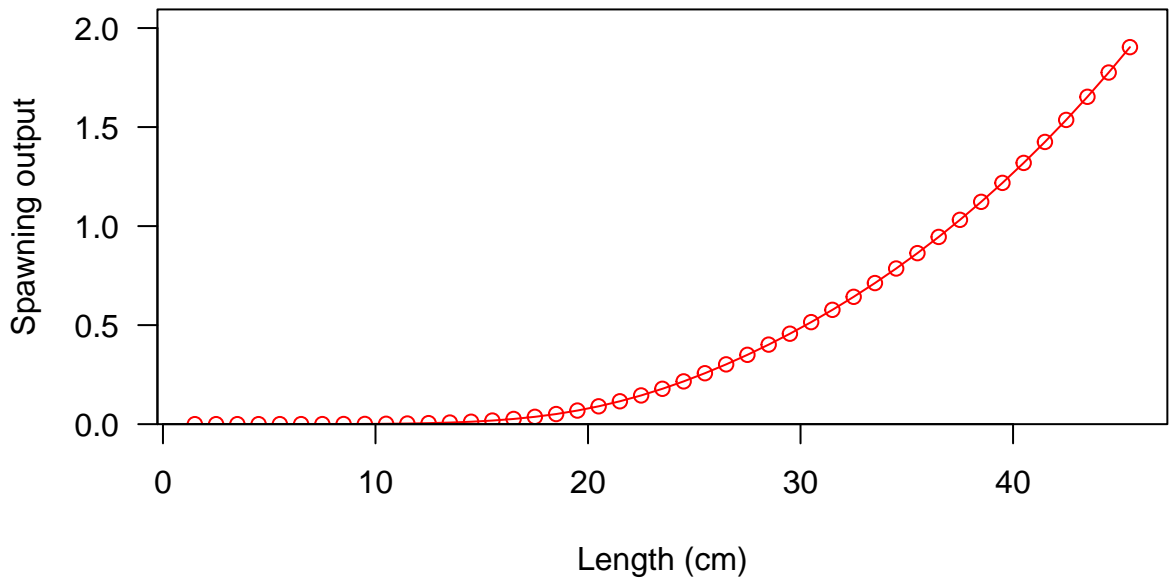


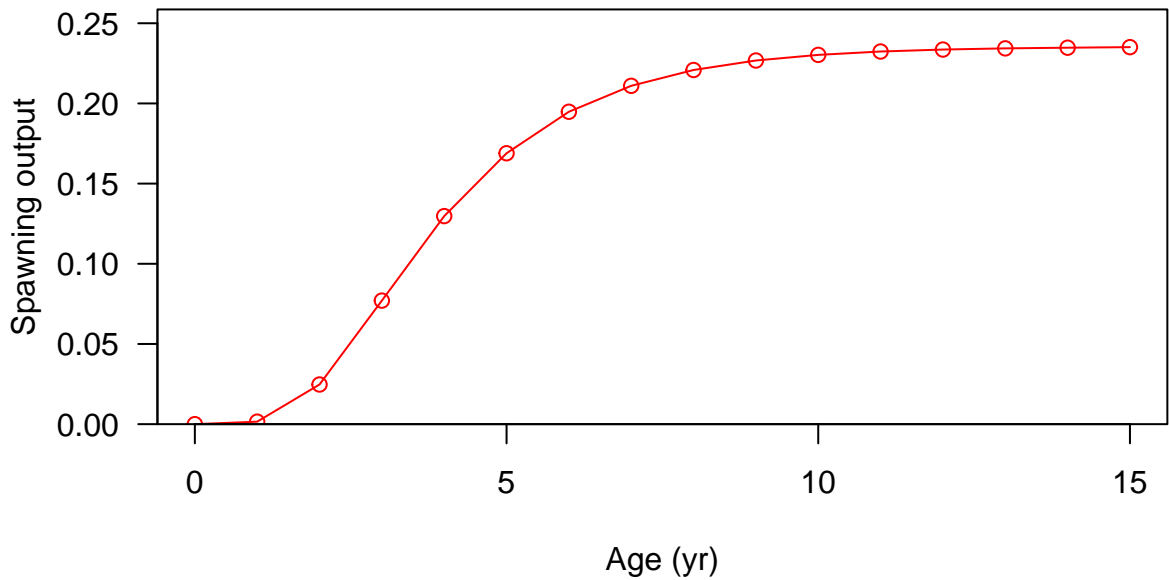




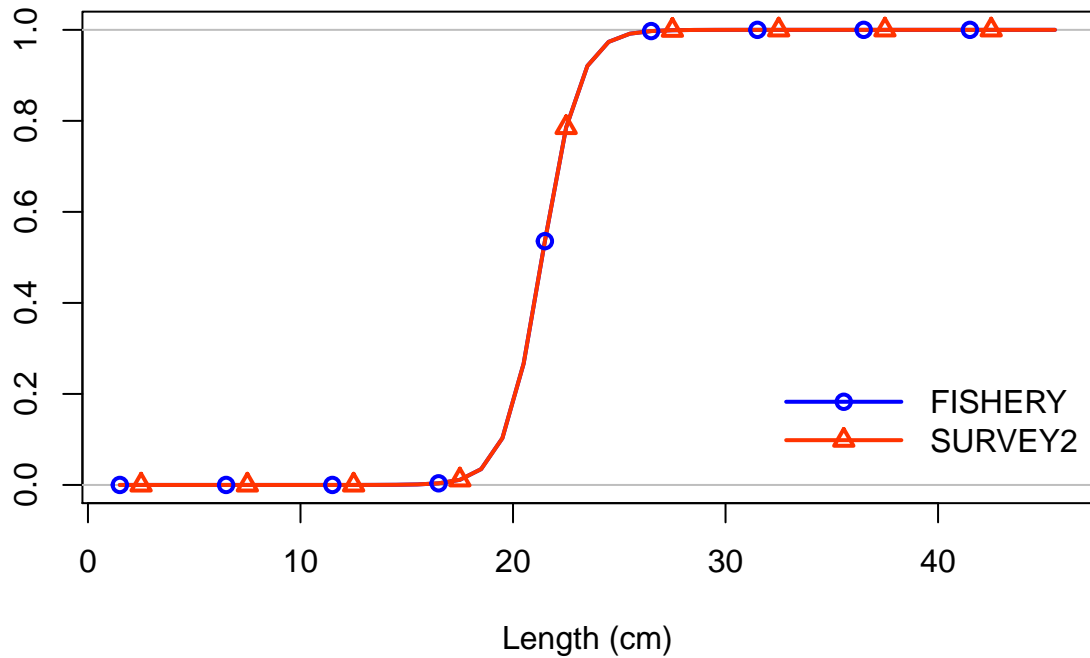




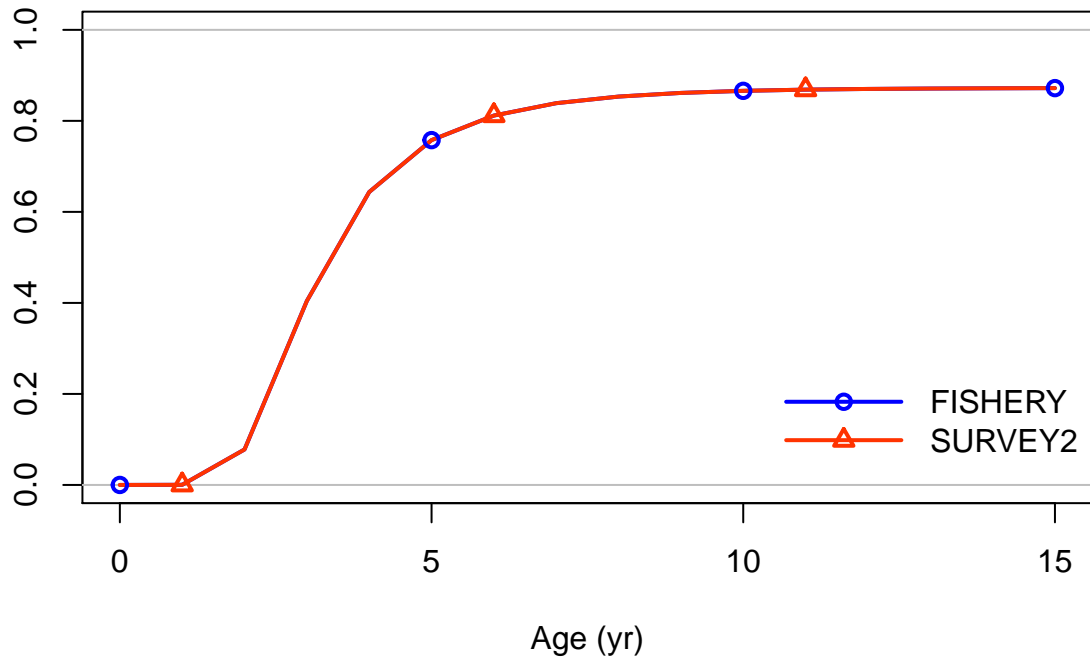




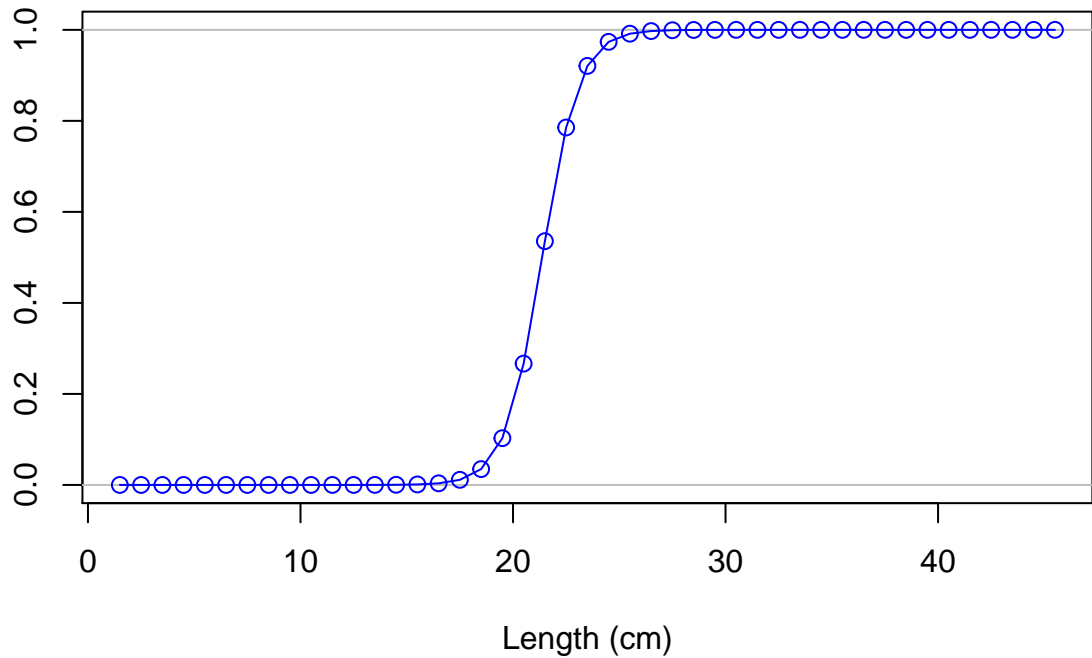
Selectivity



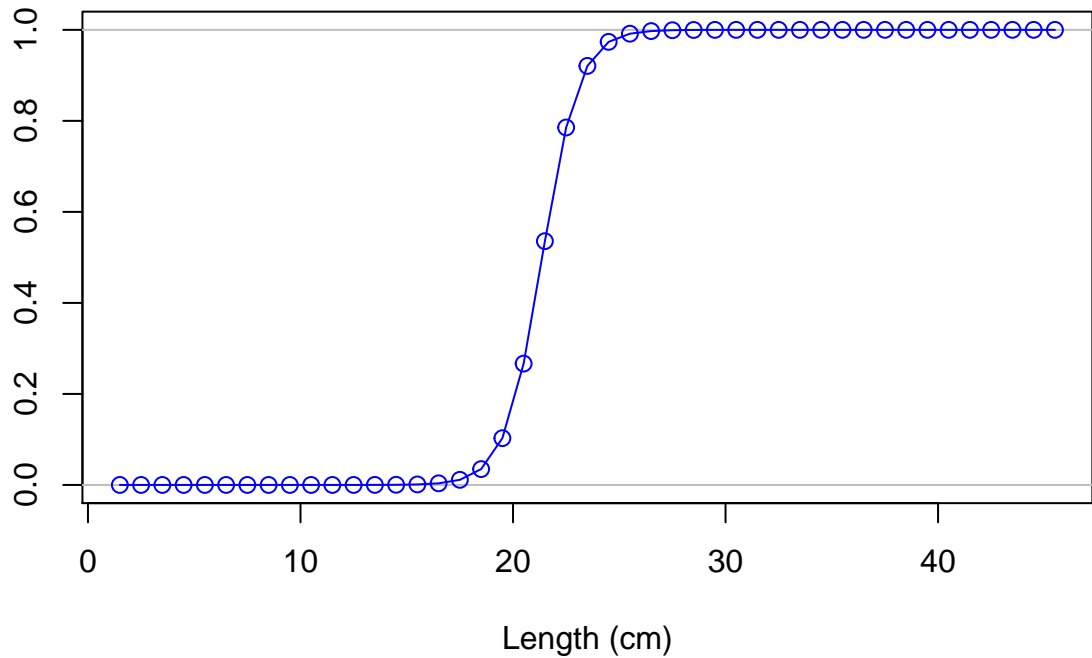
Selectivity

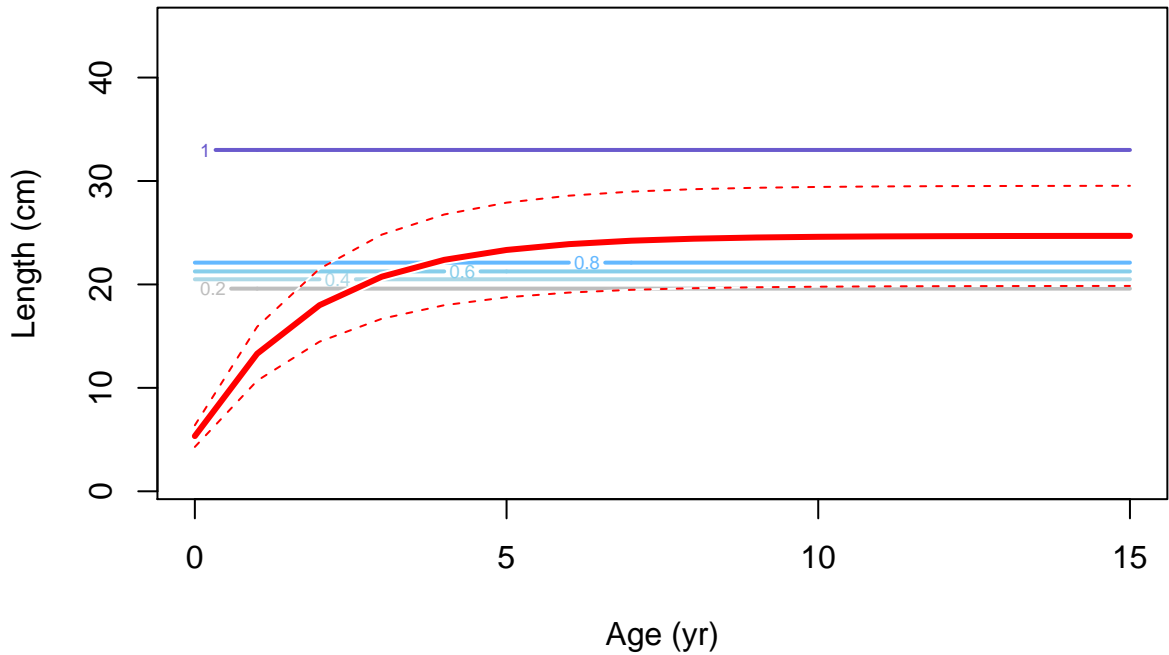


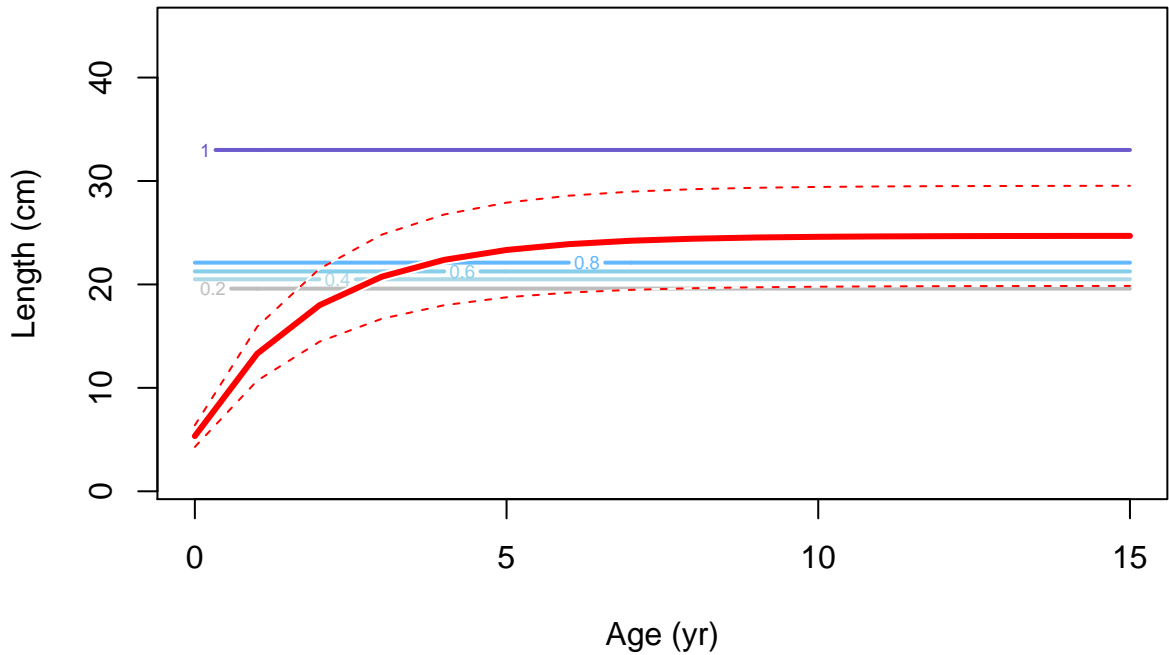
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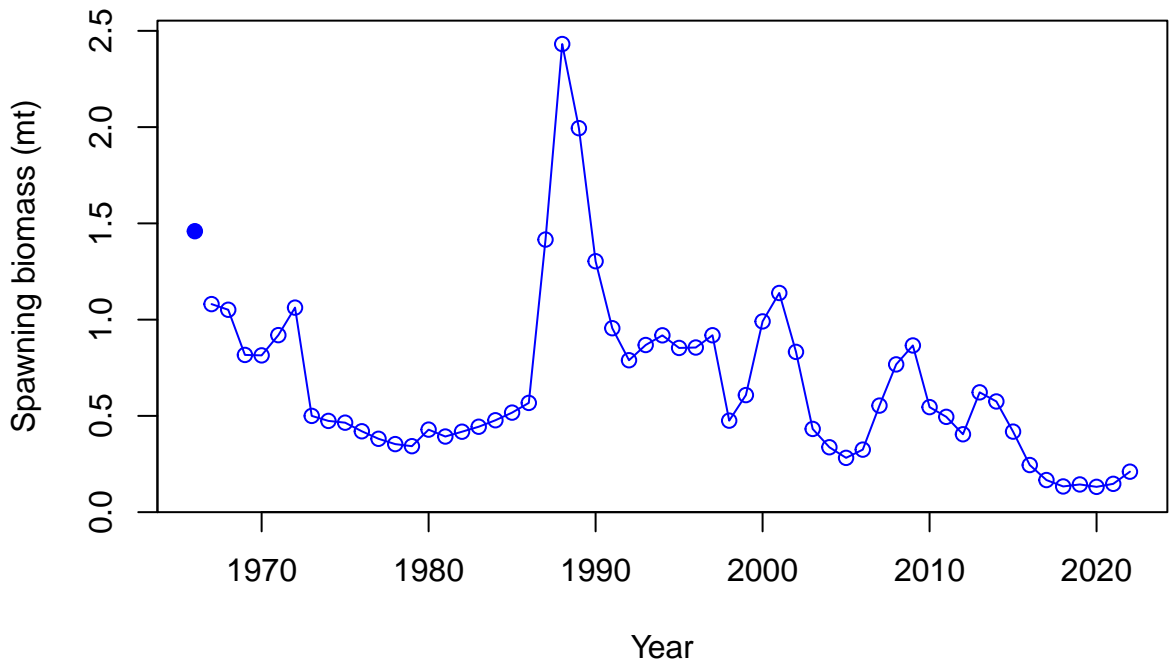


Selectivity

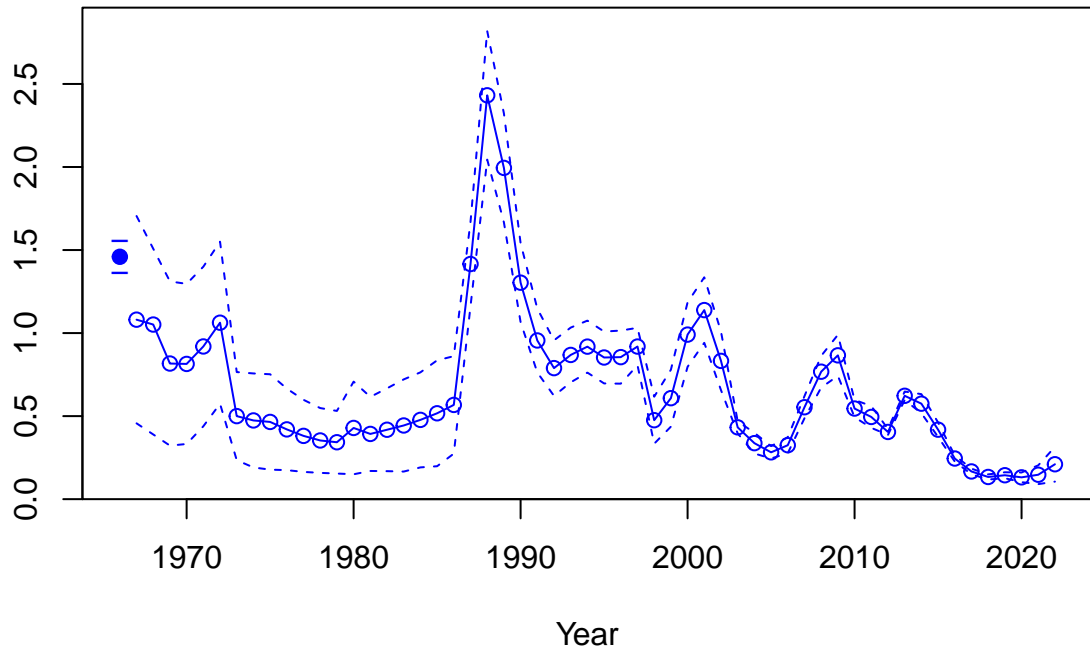




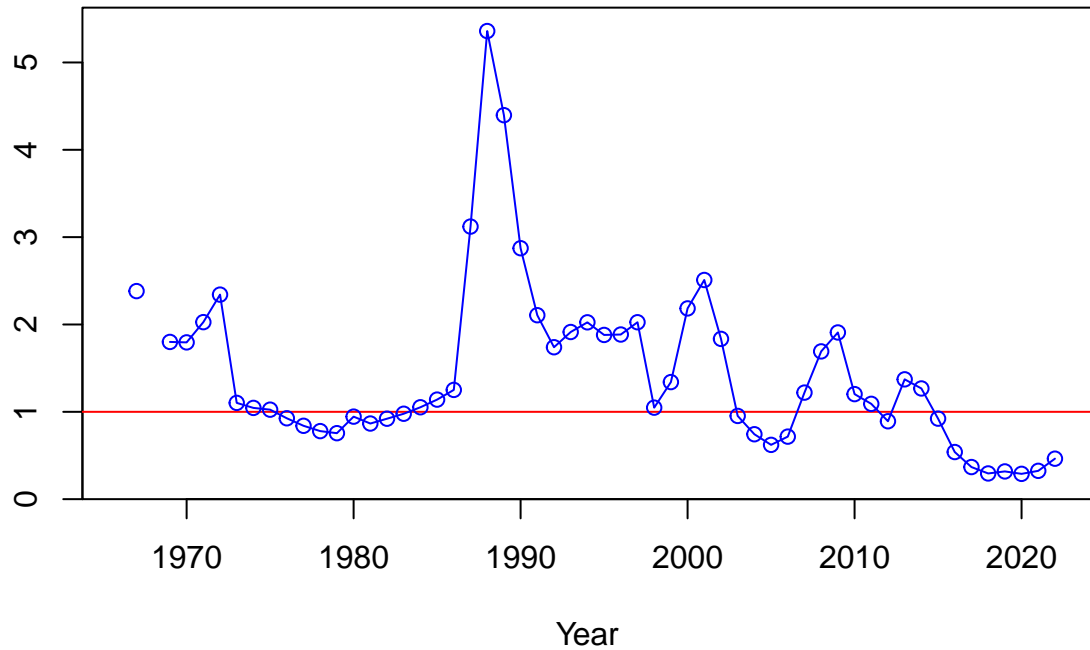




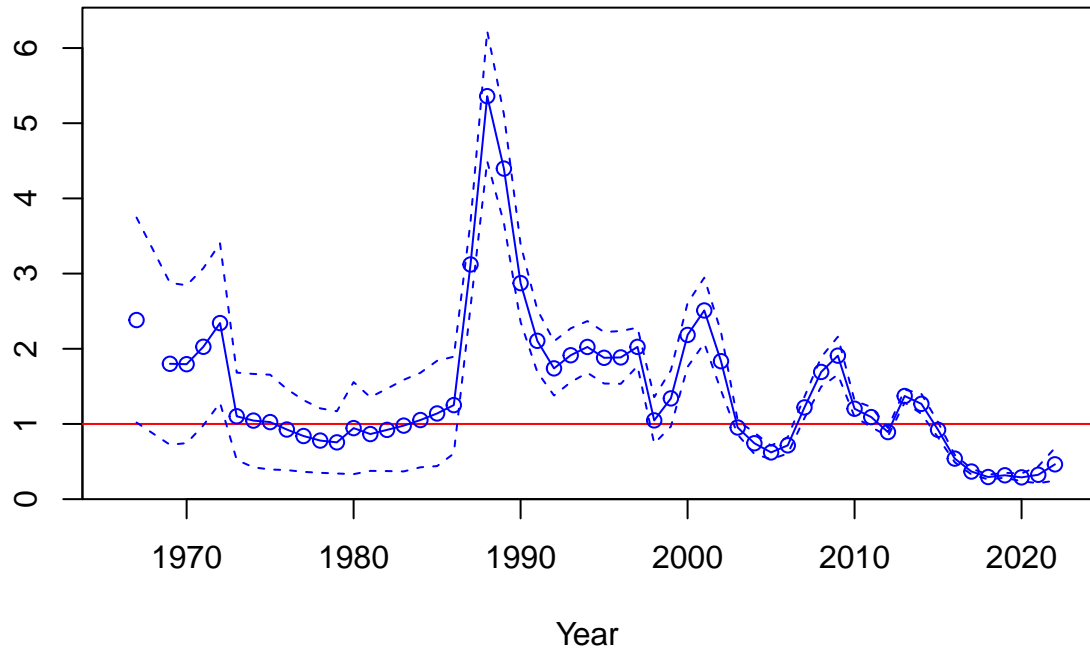
Spawning biomass (mt)

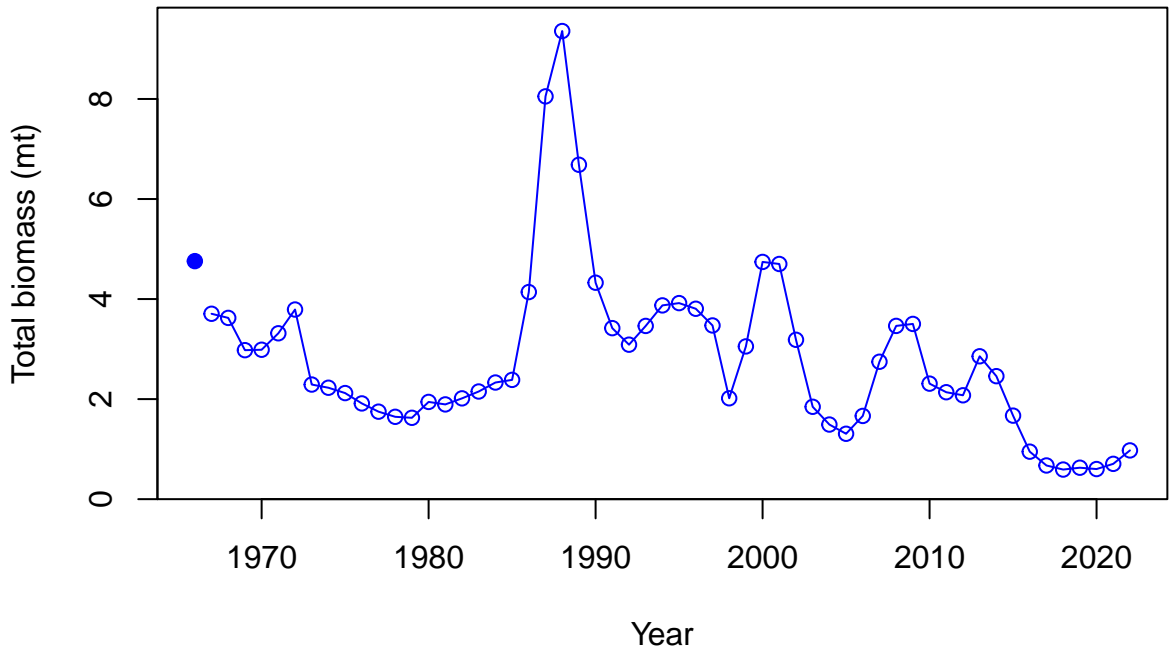


Relative spawning biomass: B/B_{MSY}

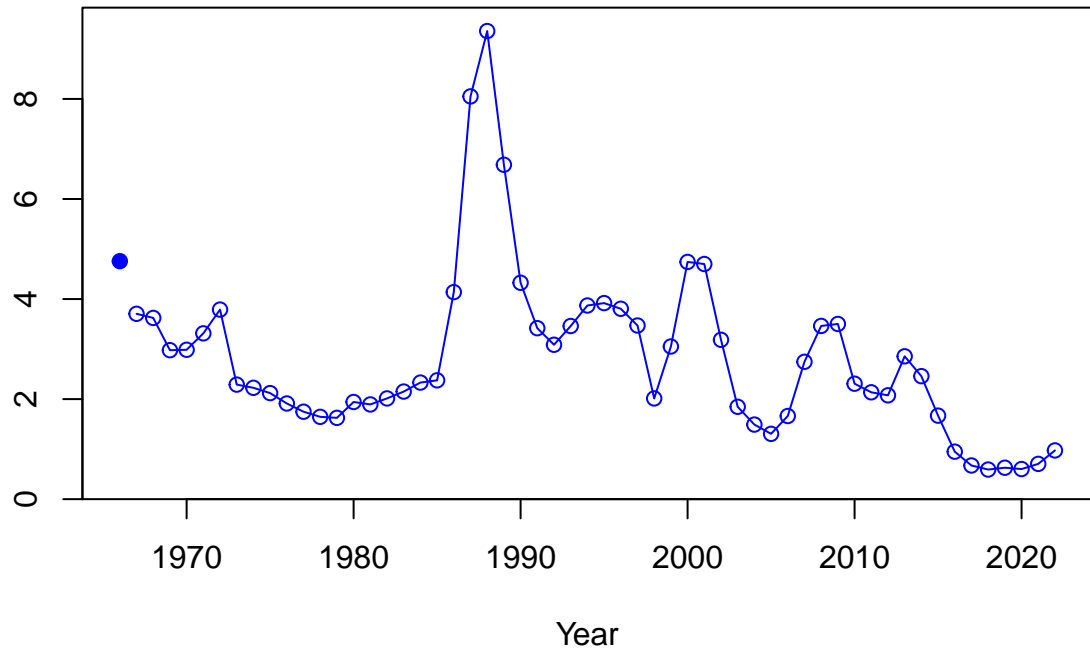


Relative spawning biomass: B/B_{MSY}

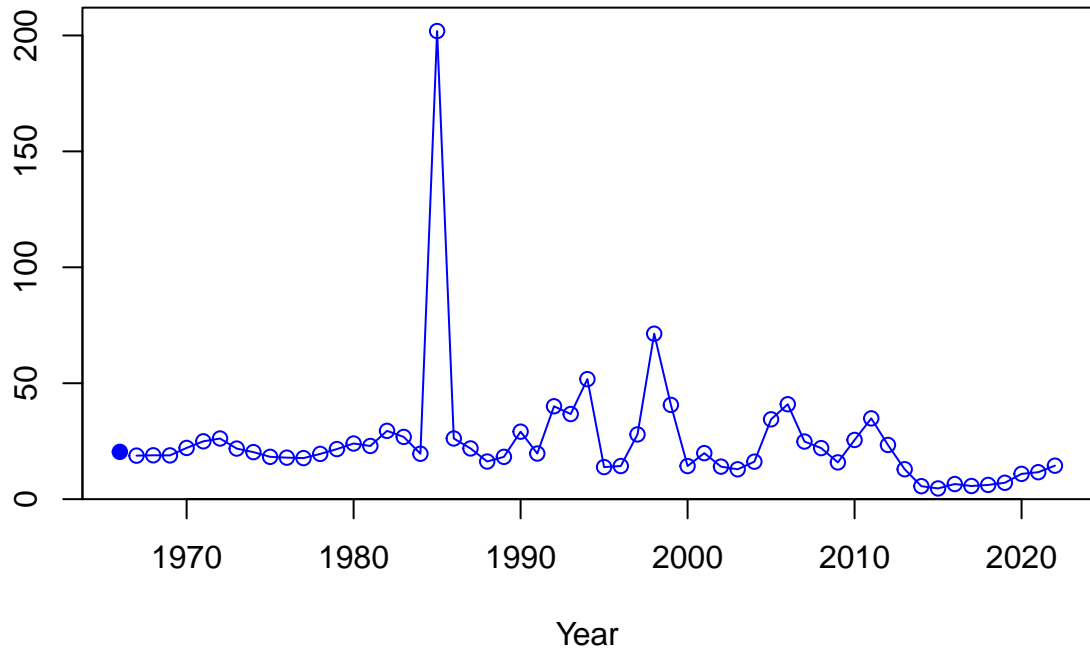


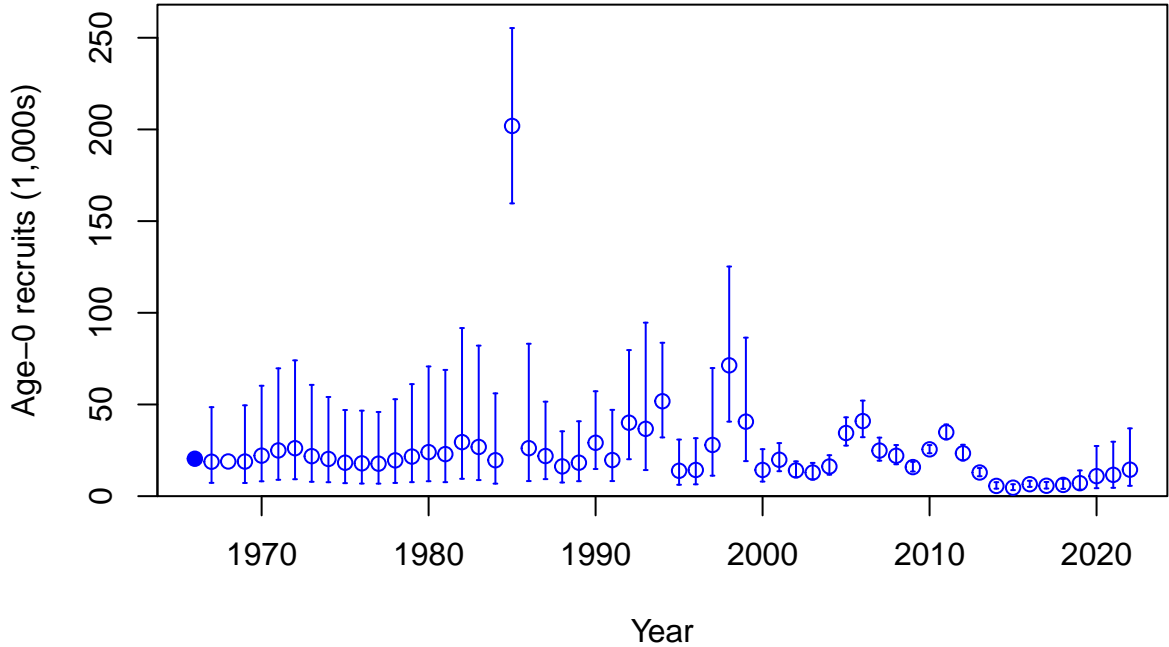


Summary biomass (mt)

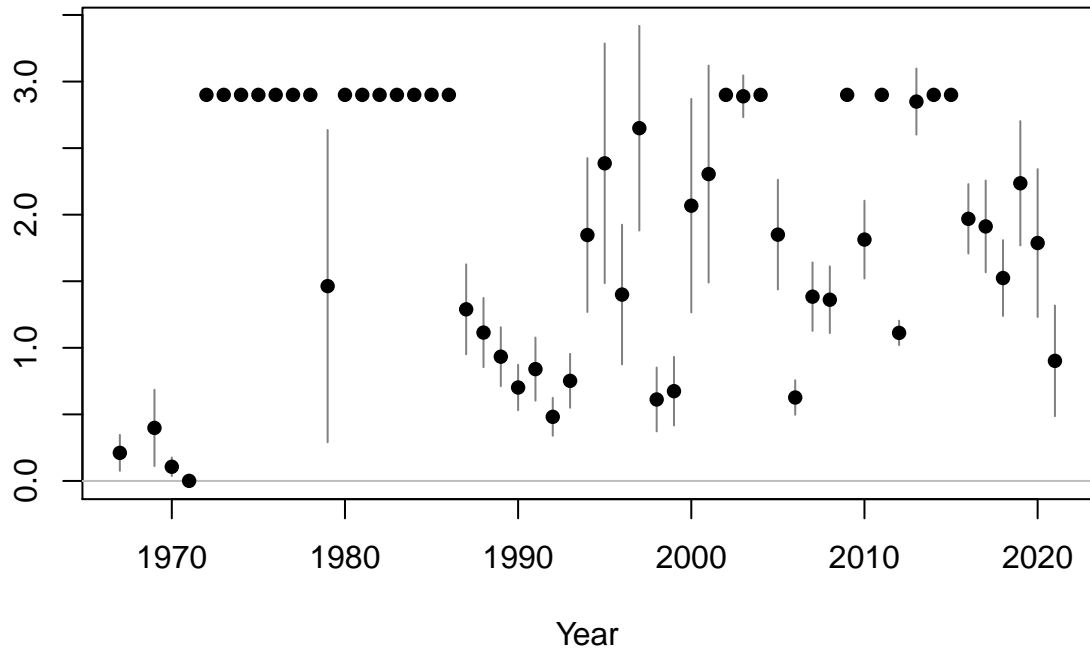


Age-0 recruits (1,000s)

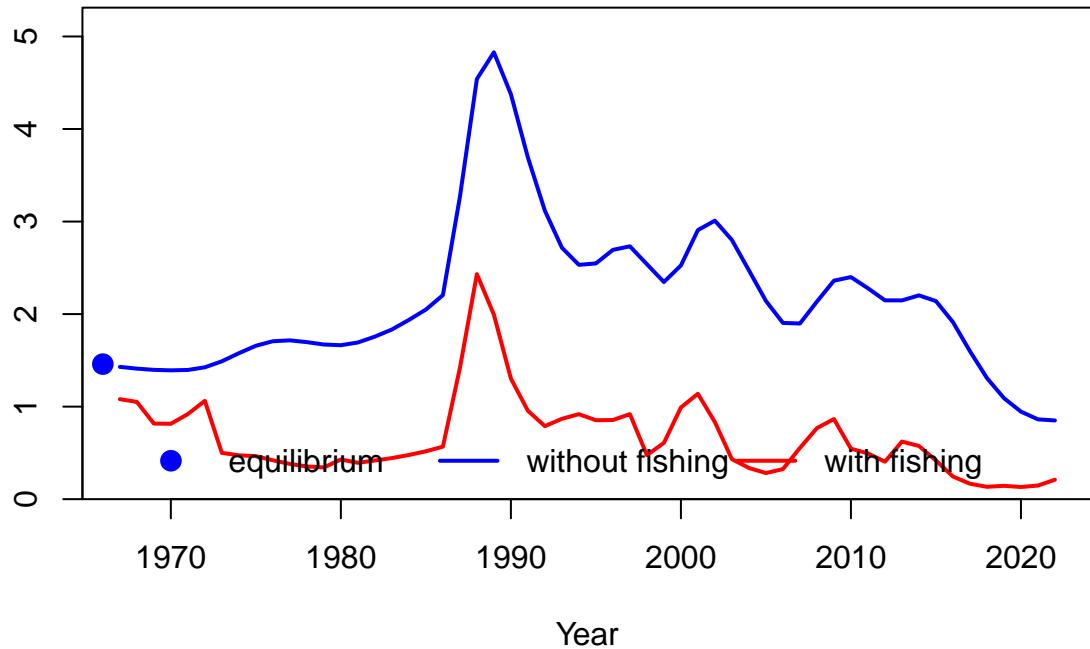




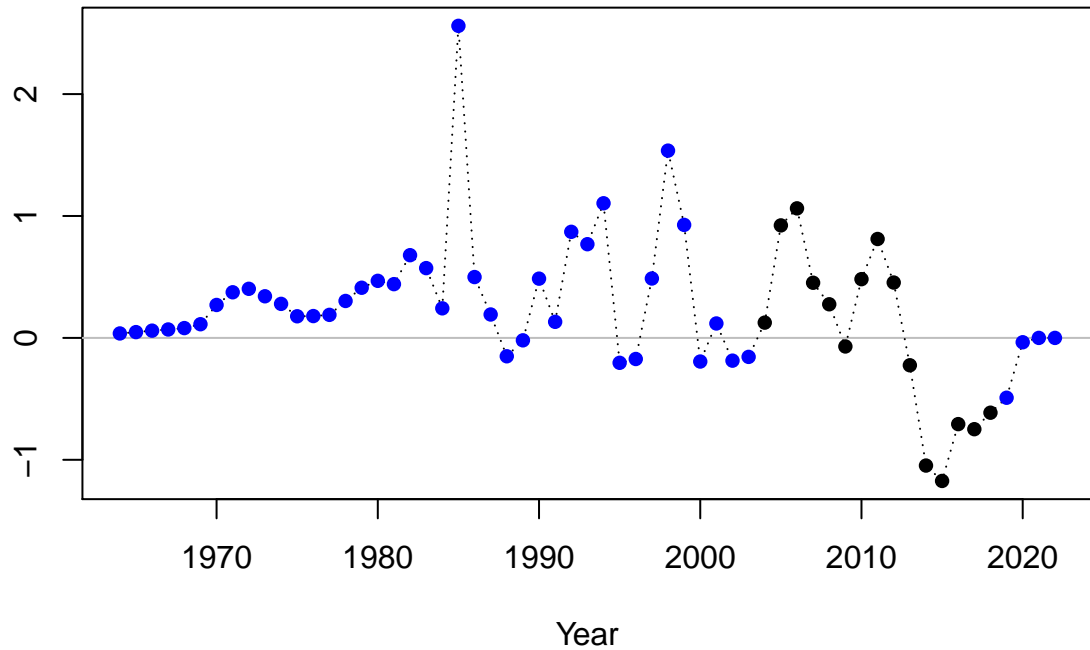
Summary Fishing Mortality



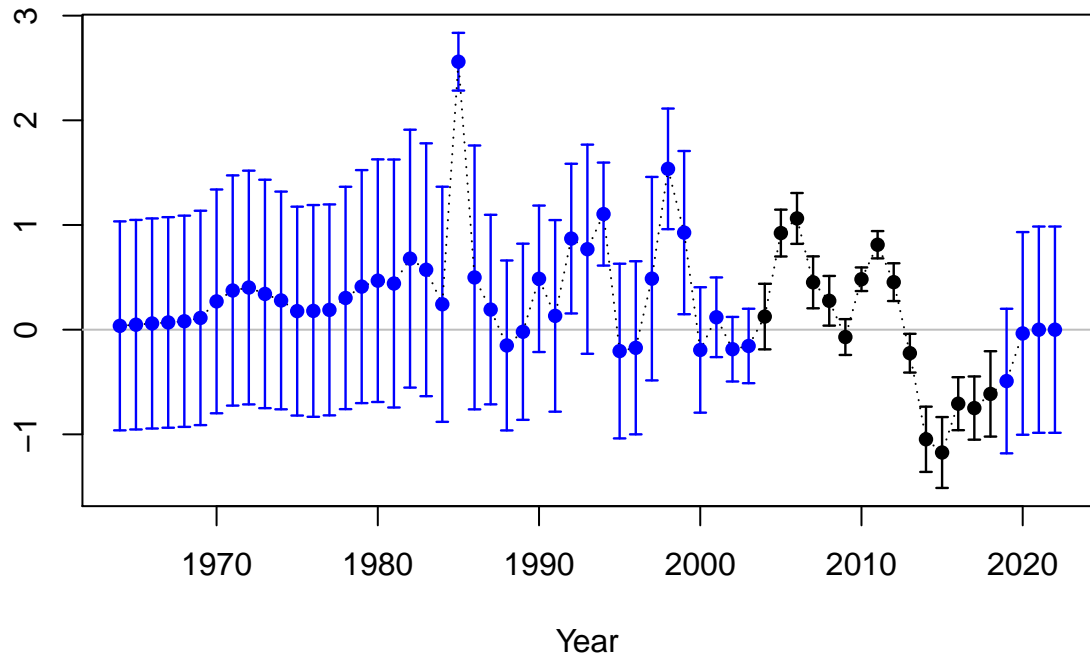
Spawning biomass (mt)



Log recruitment deviation

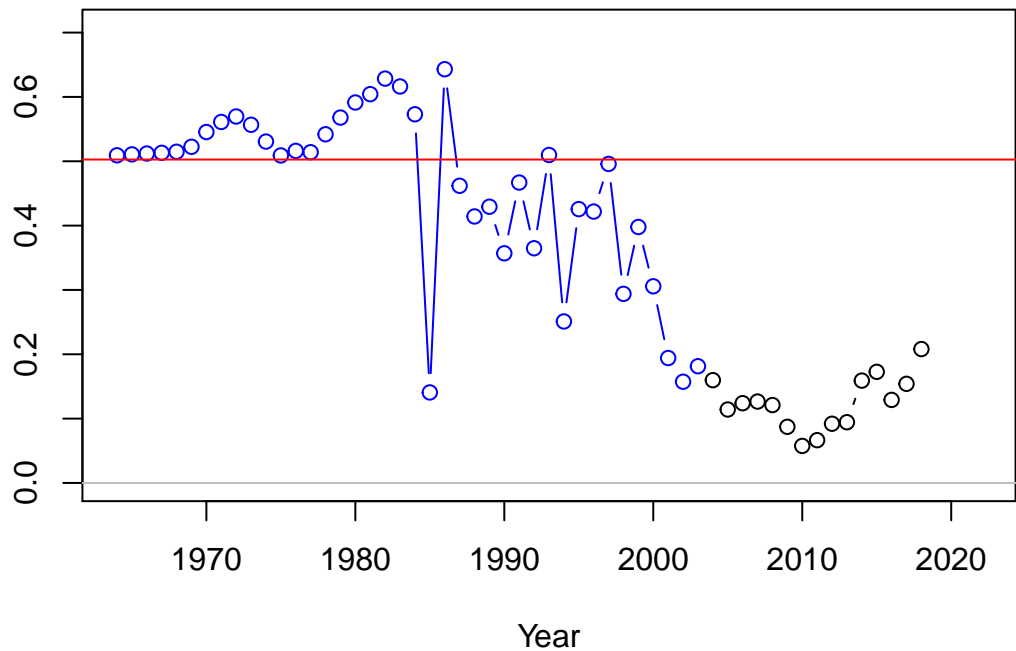


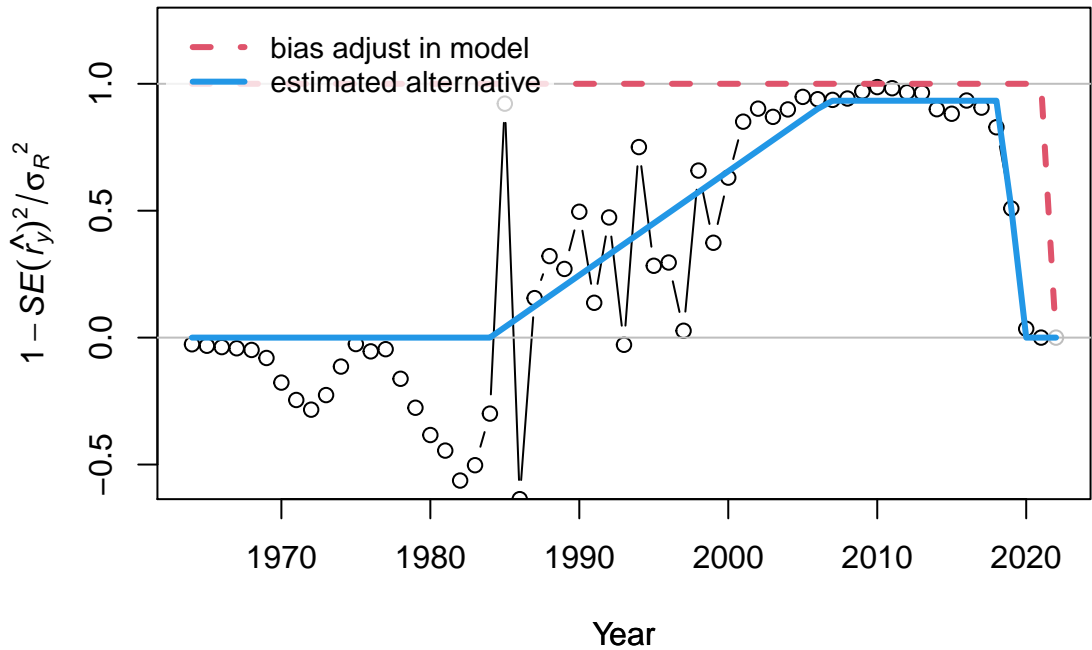
Log recruitment deviation

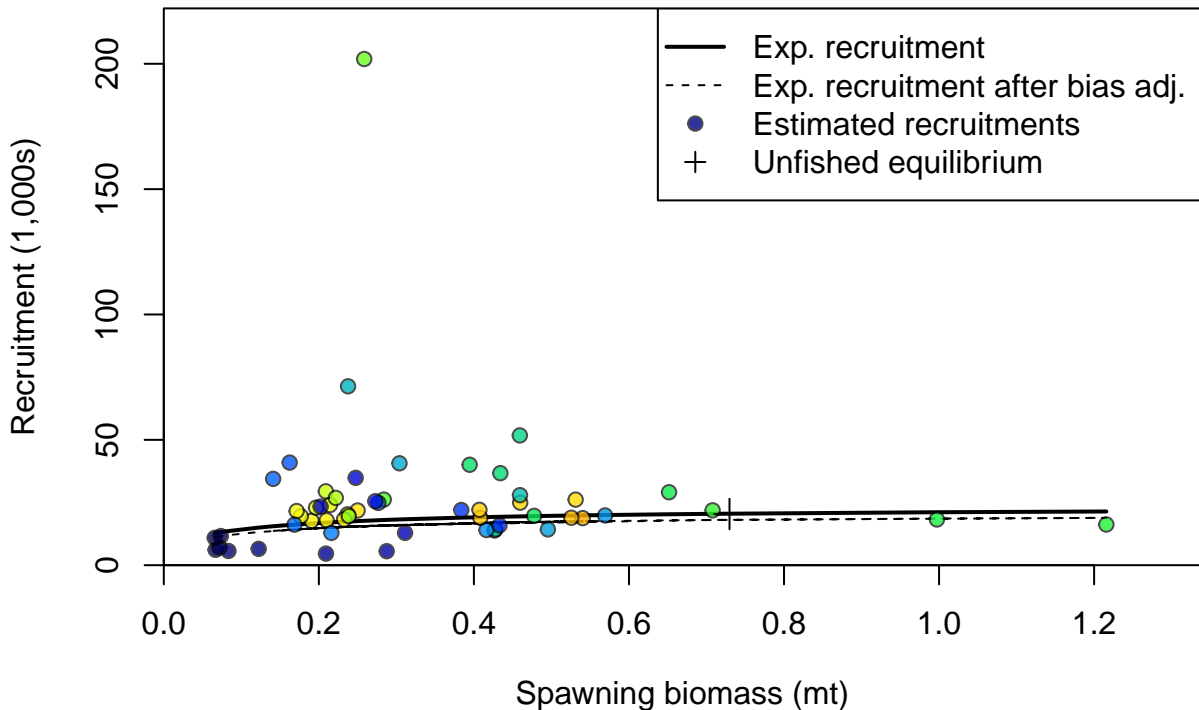


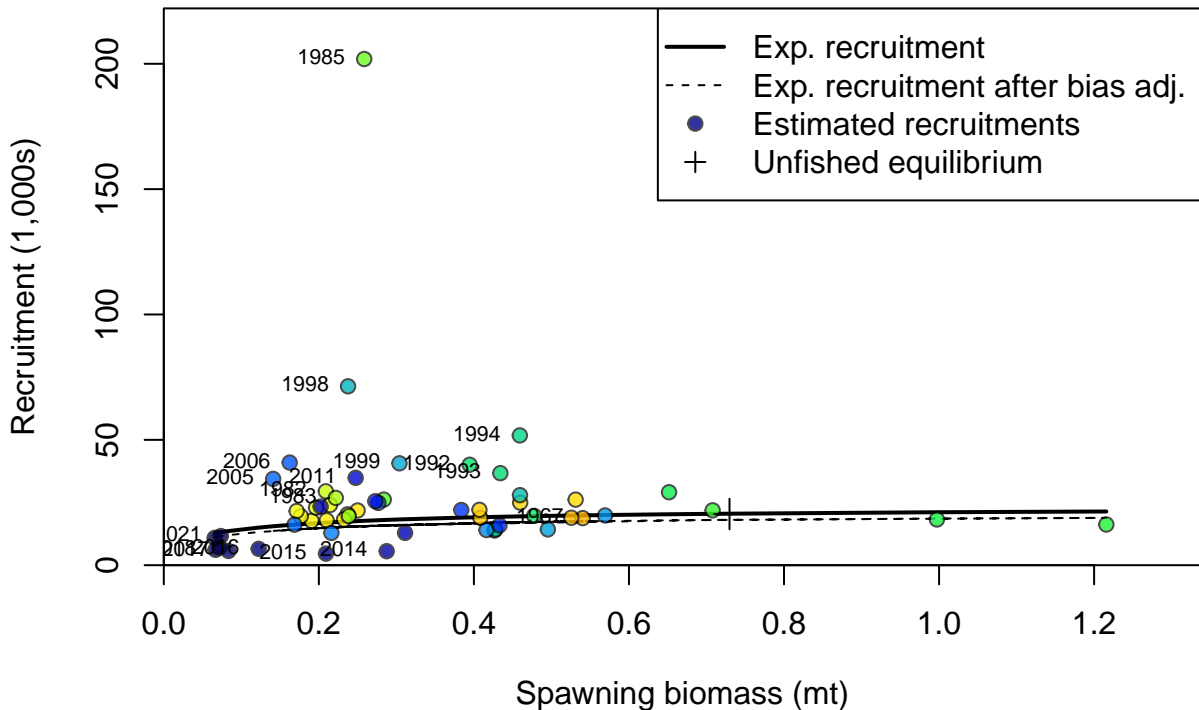
Recruitment deviation variance

Asymptotic standard error estimate

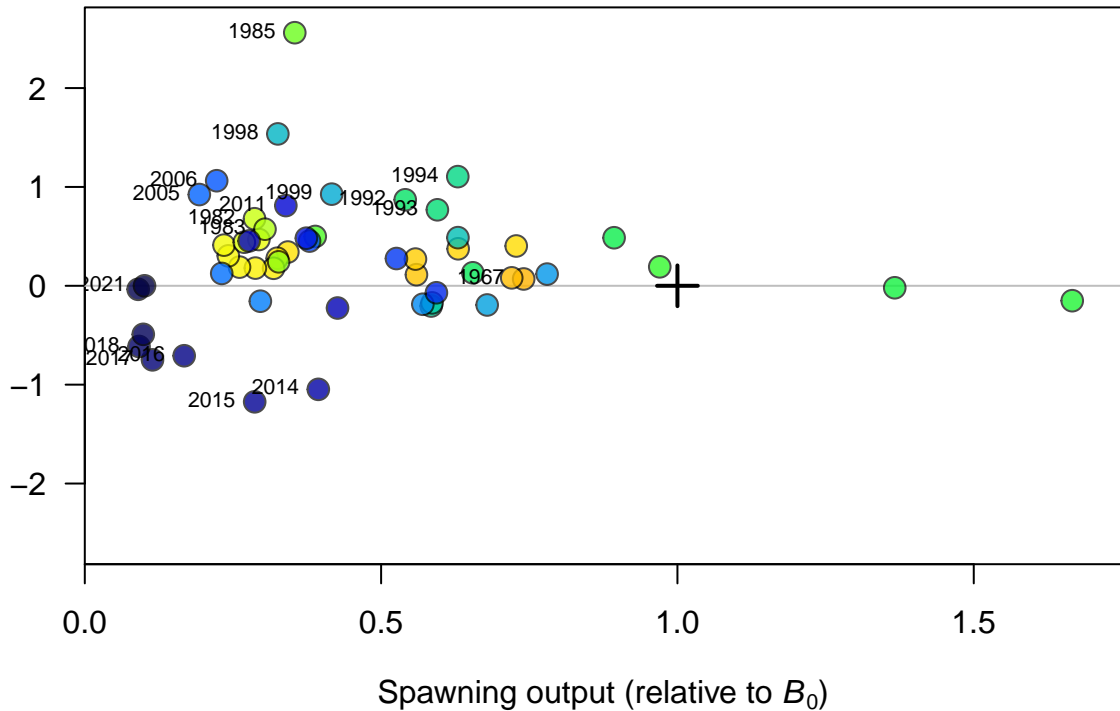


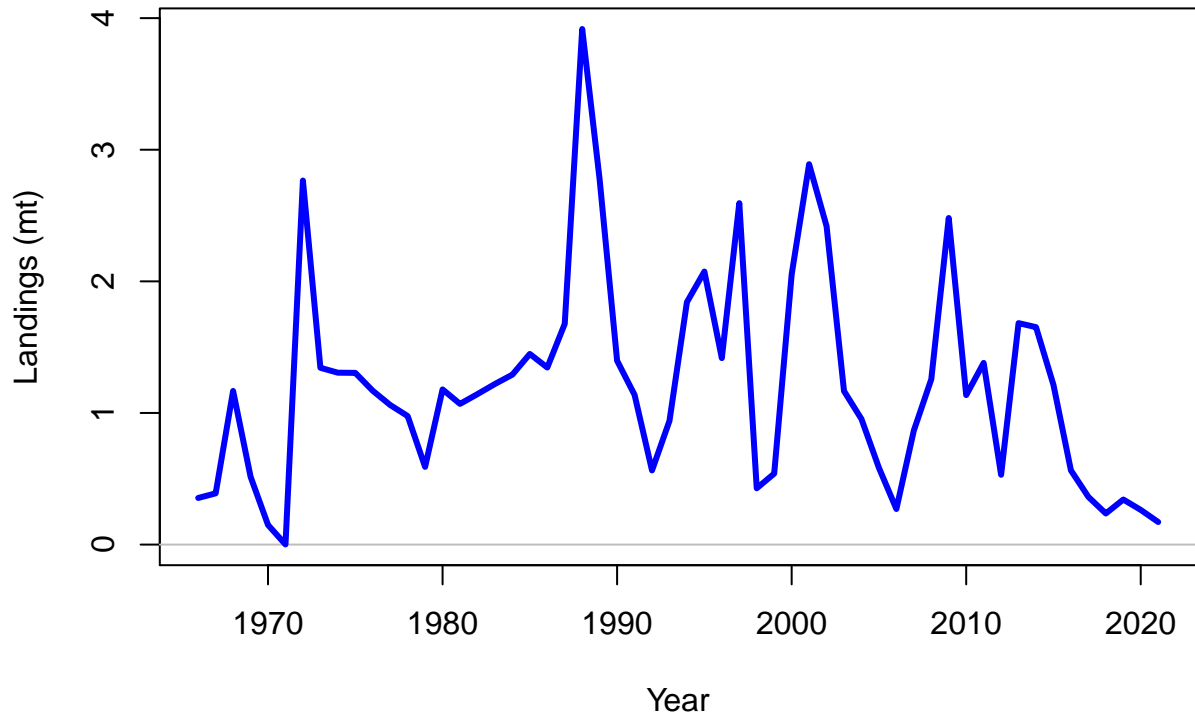


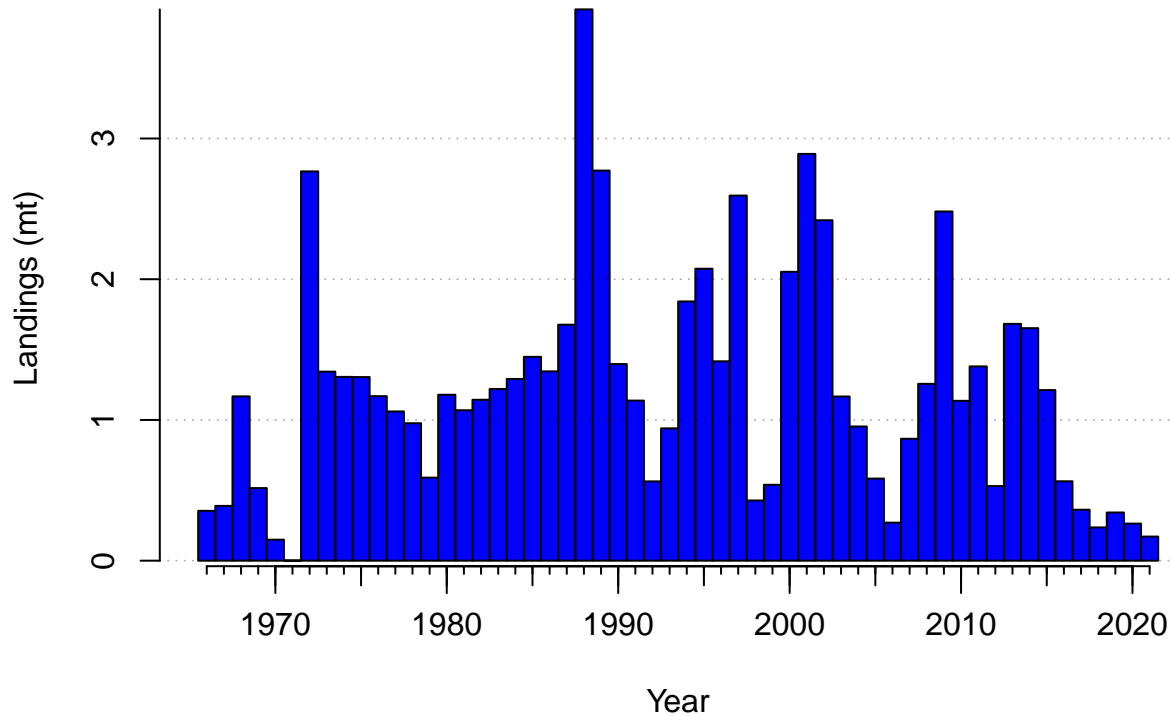




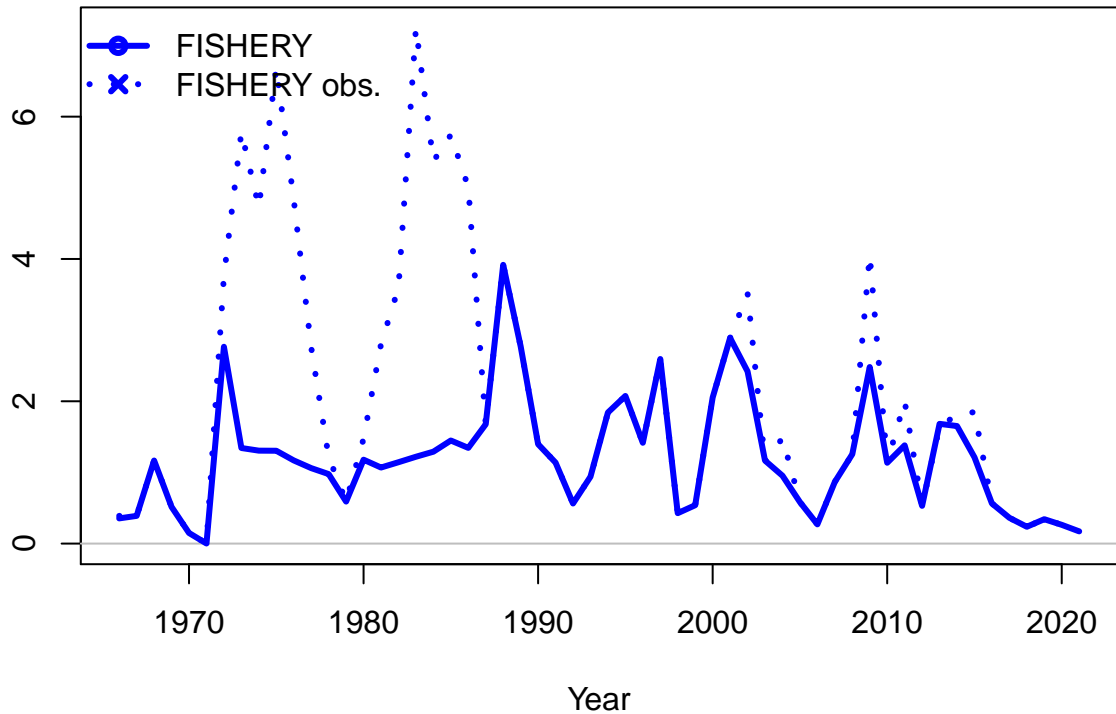
Log recruitment deviation

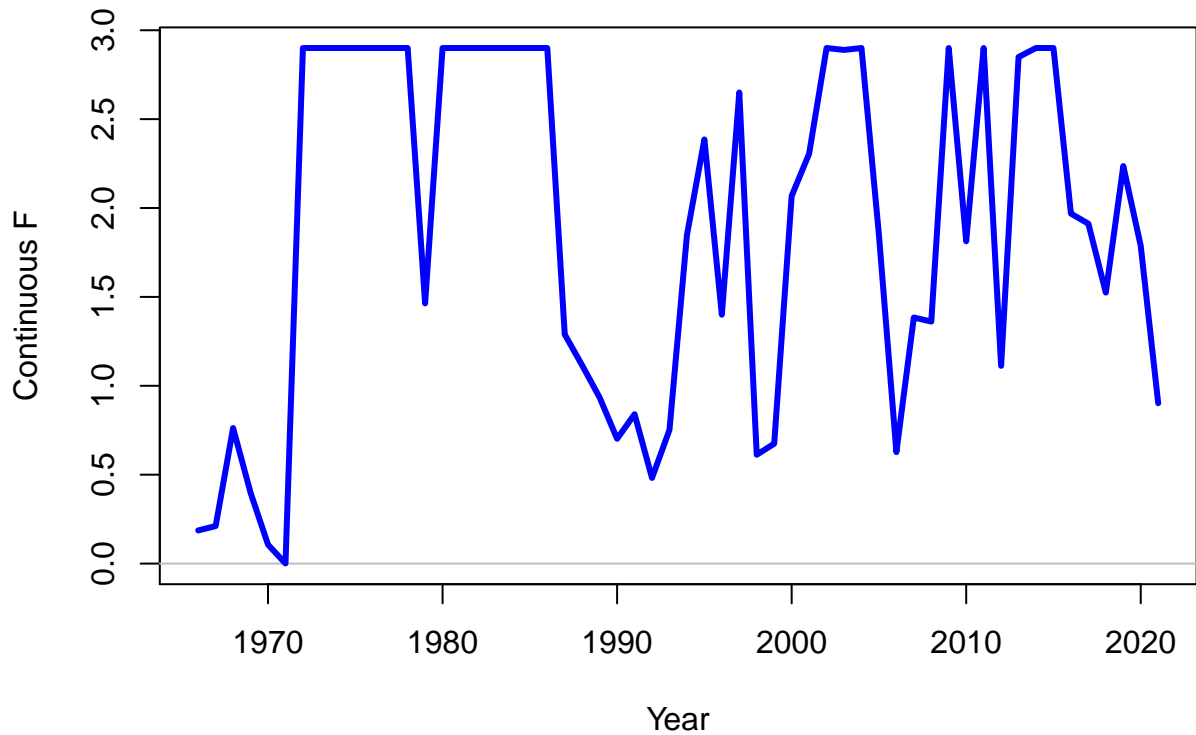




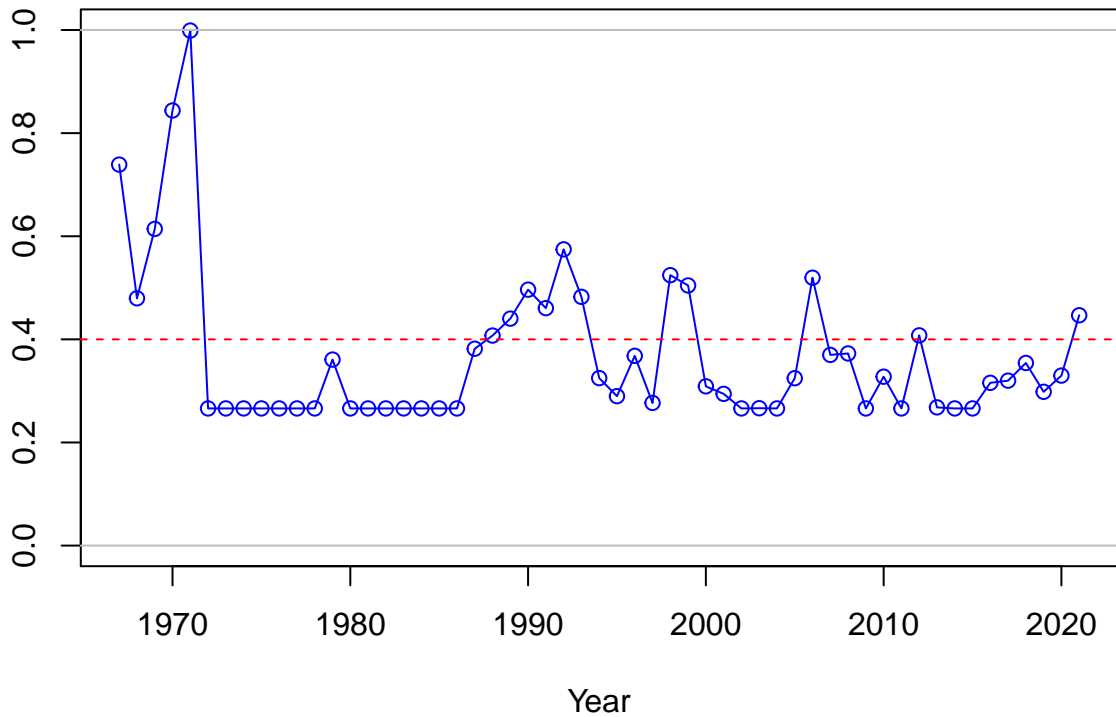


Observed and expected Landings (mt)

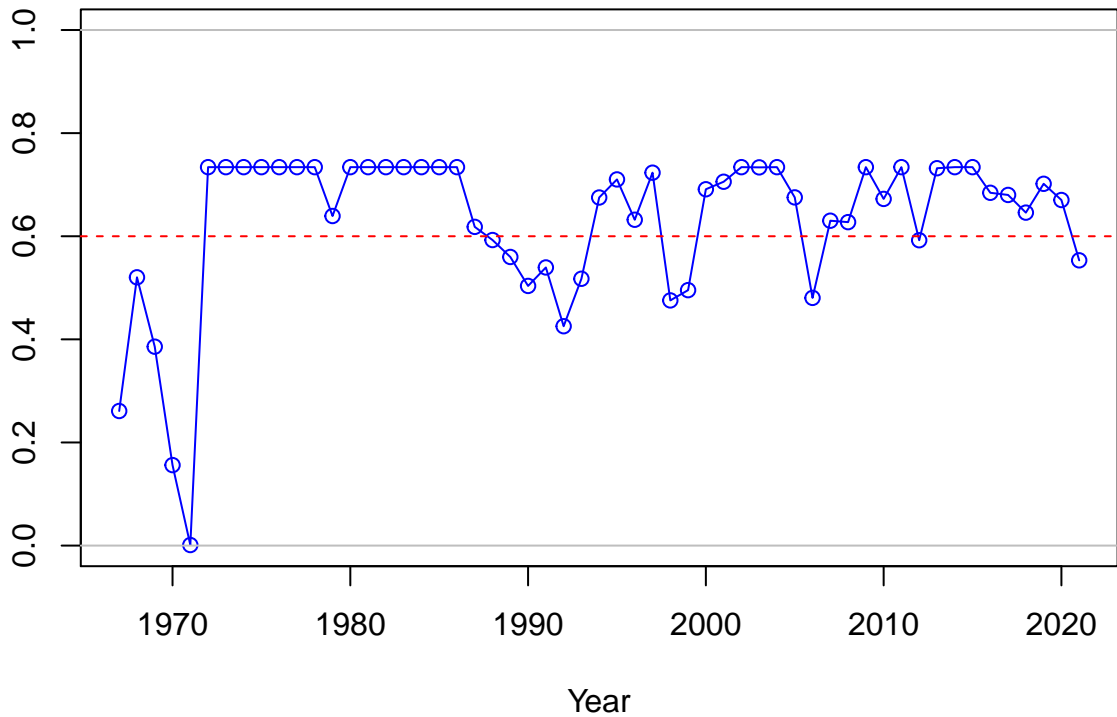




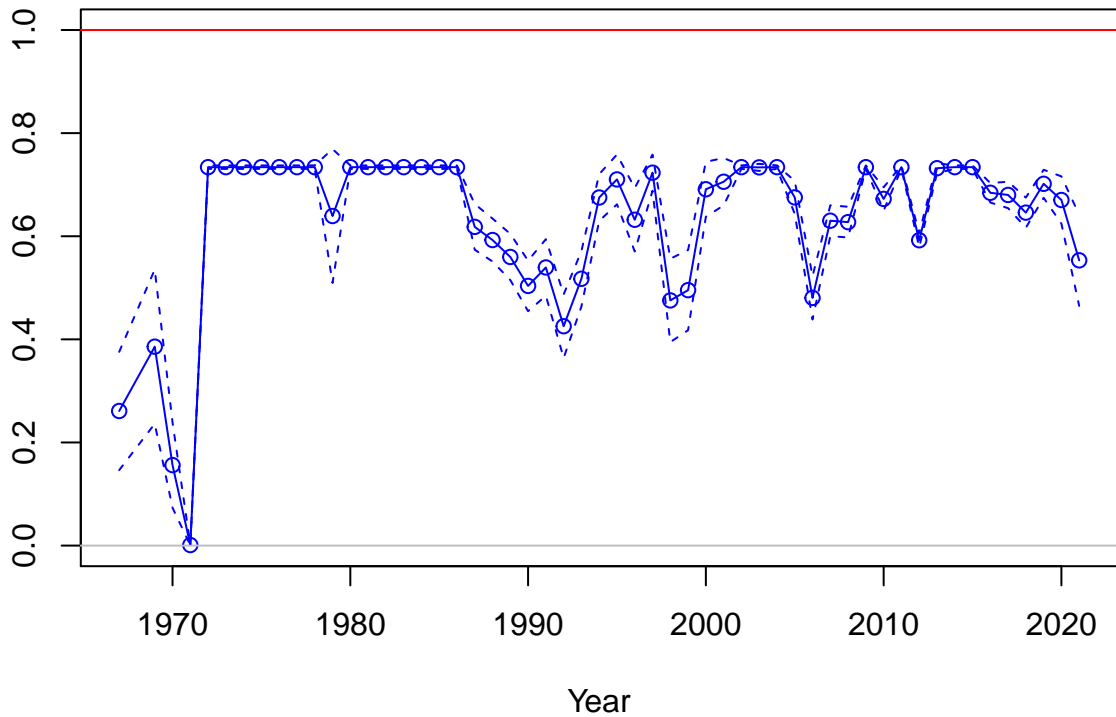
SPR



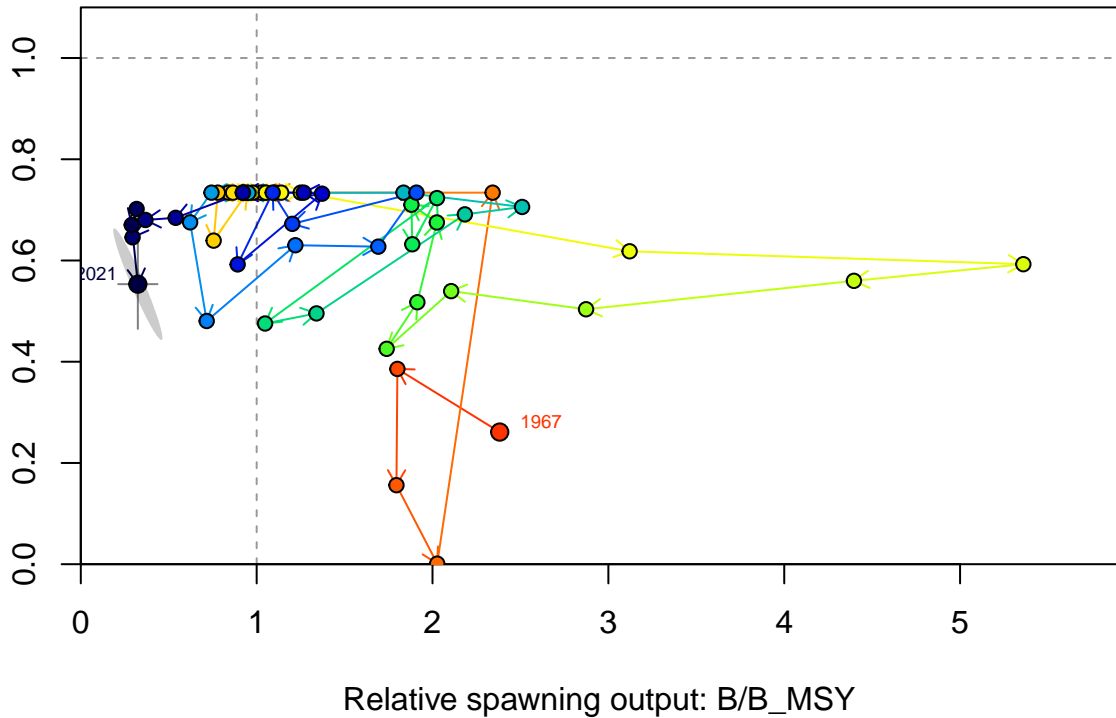
1-SPR



Fishing intensity: 1-SPR



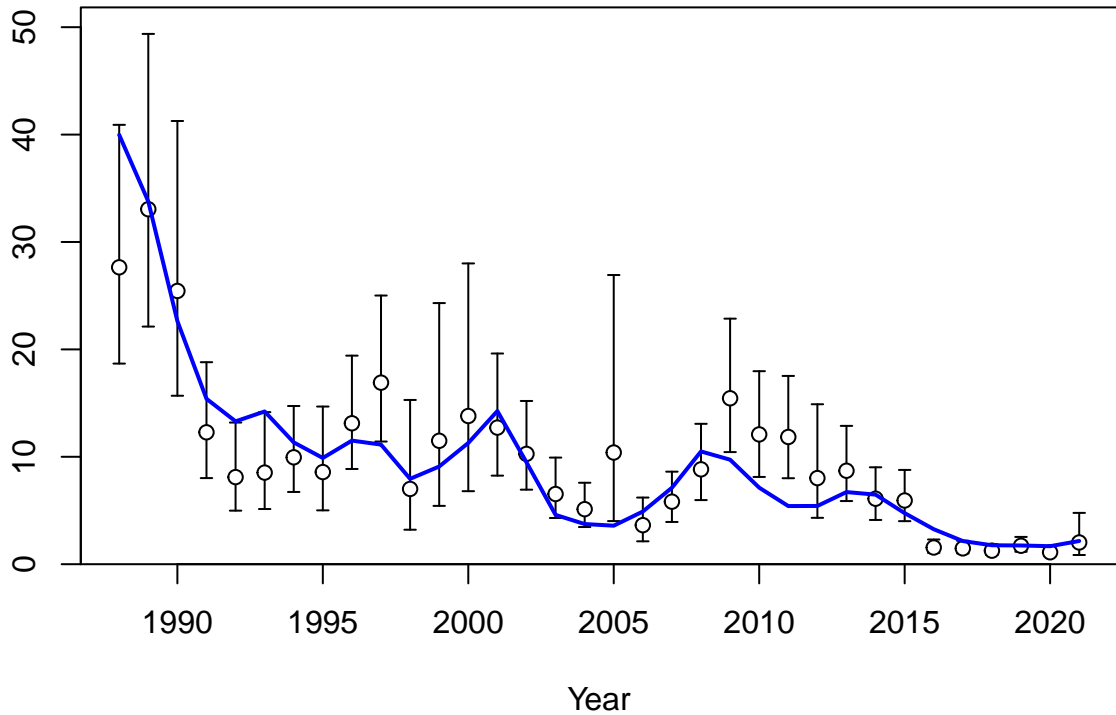
Fishing intensity: 1-SPR

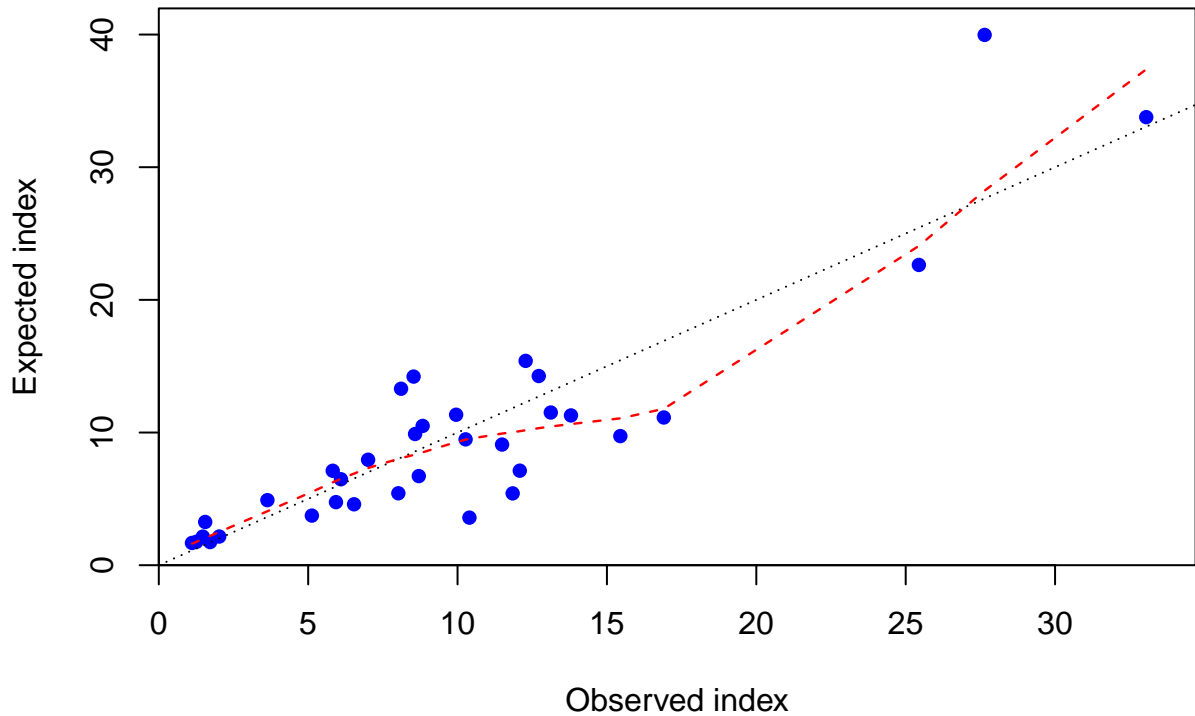


Index

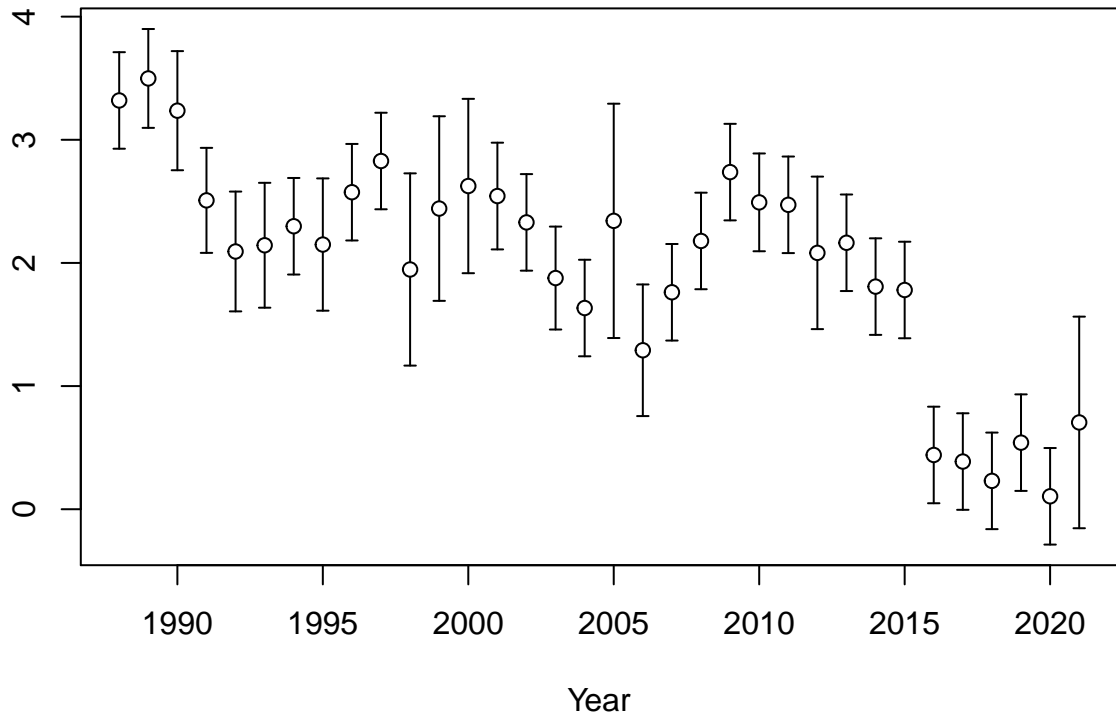


Index

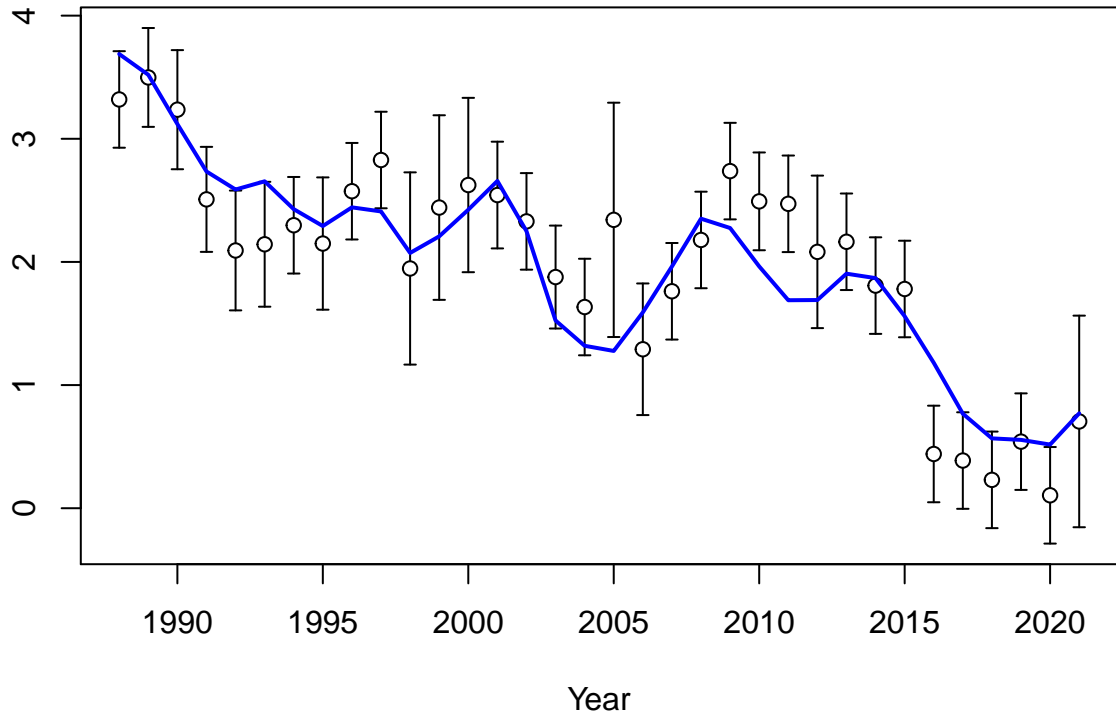


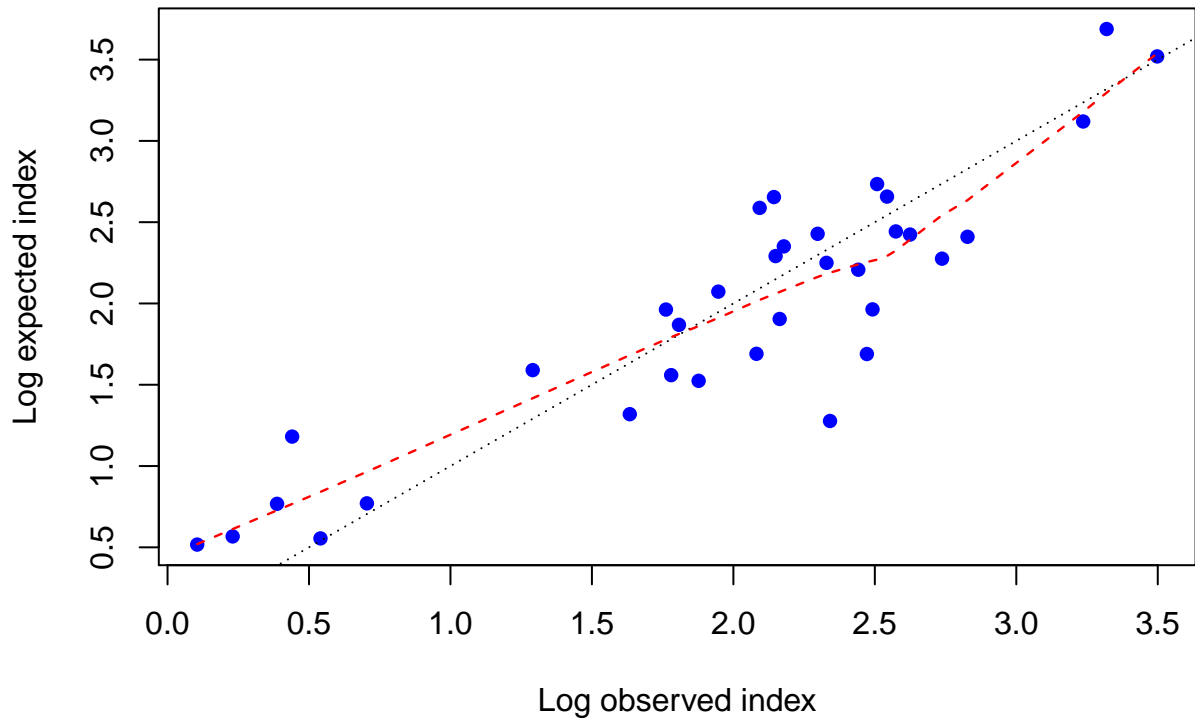


Log index

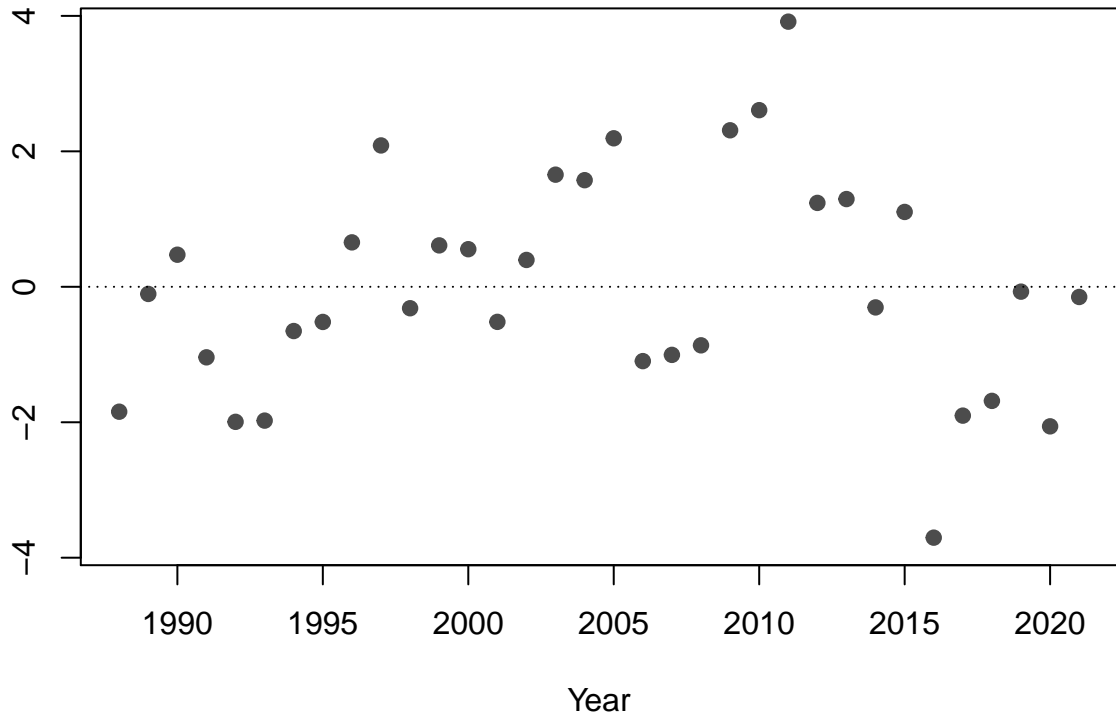


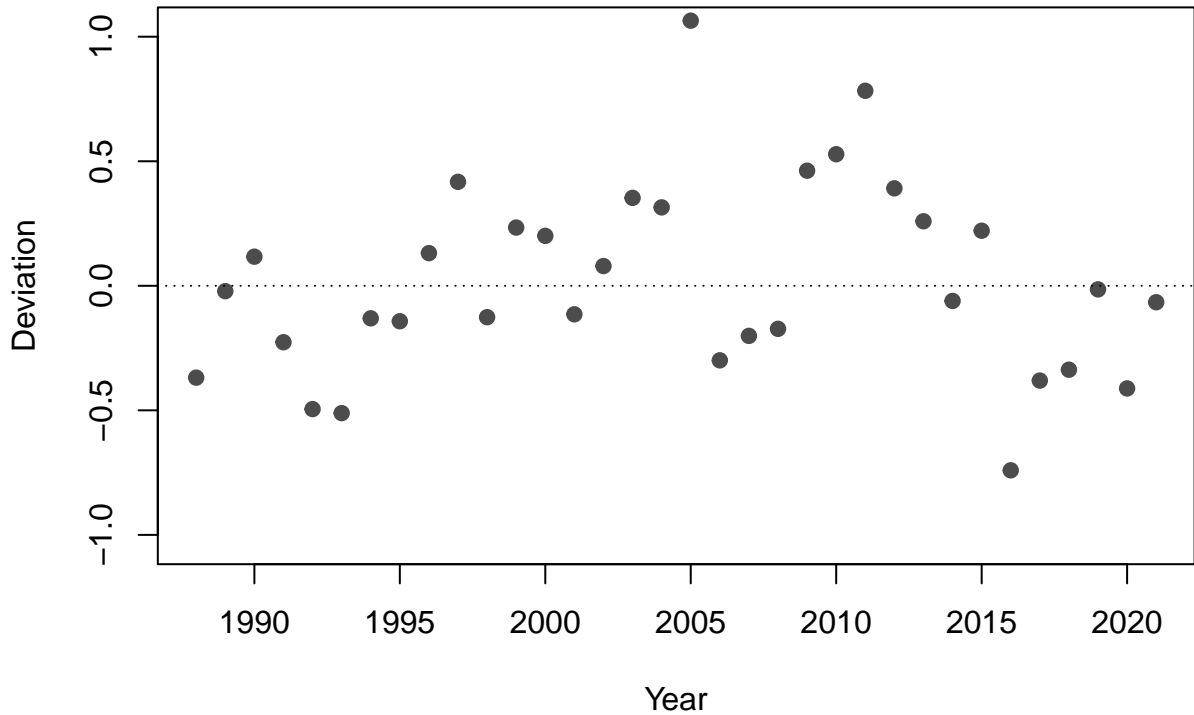
Log index

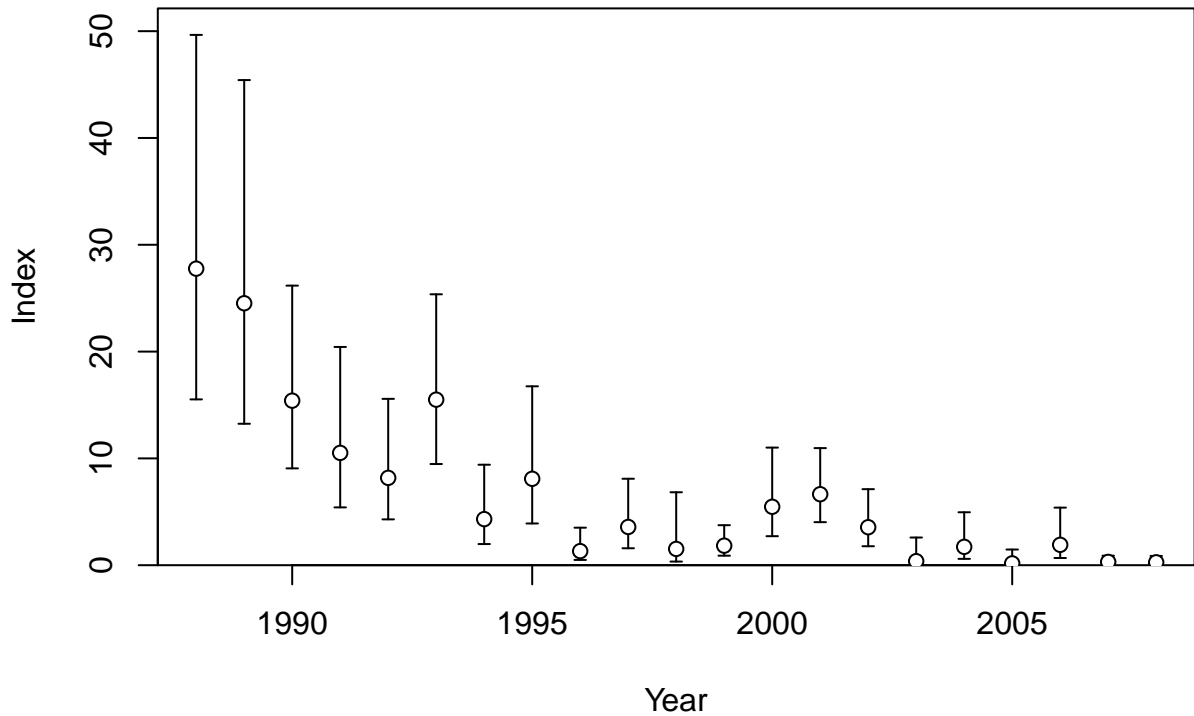


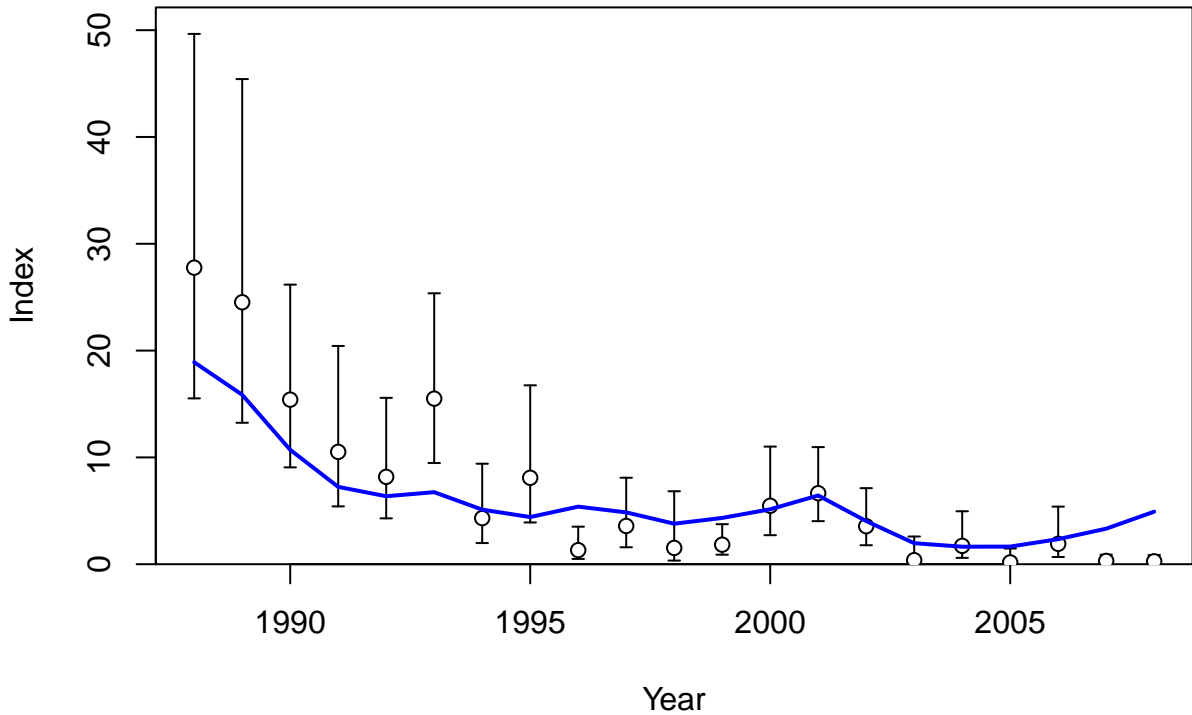


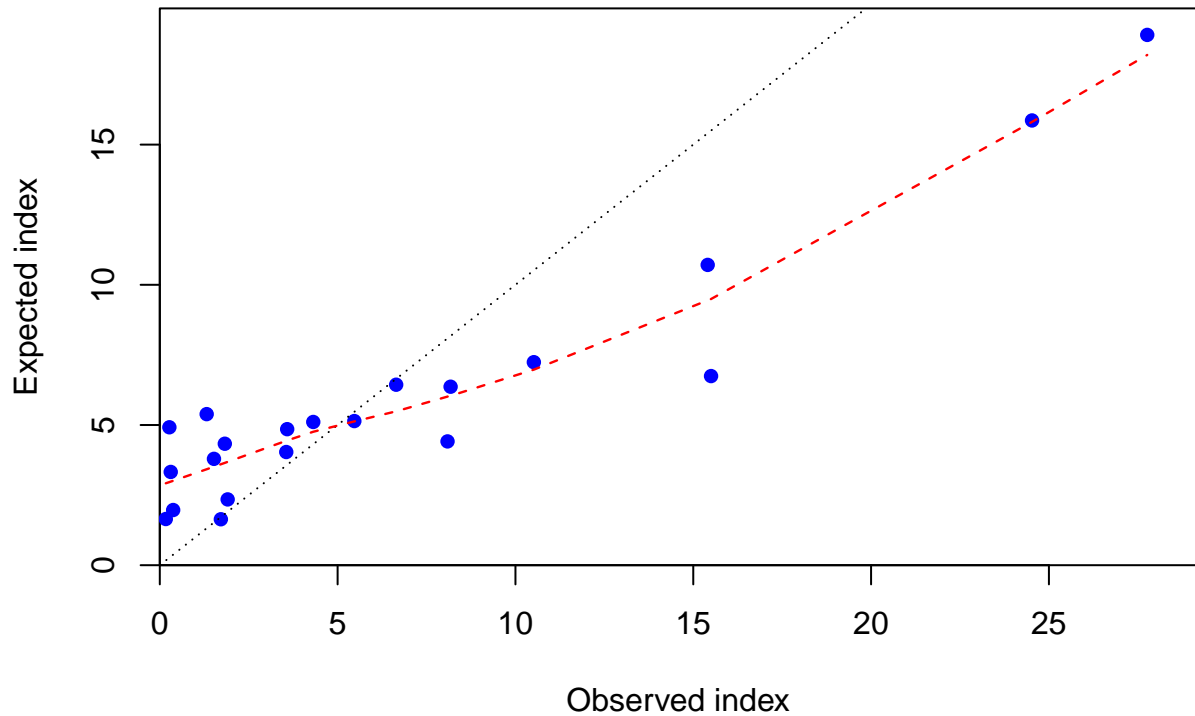
Residual

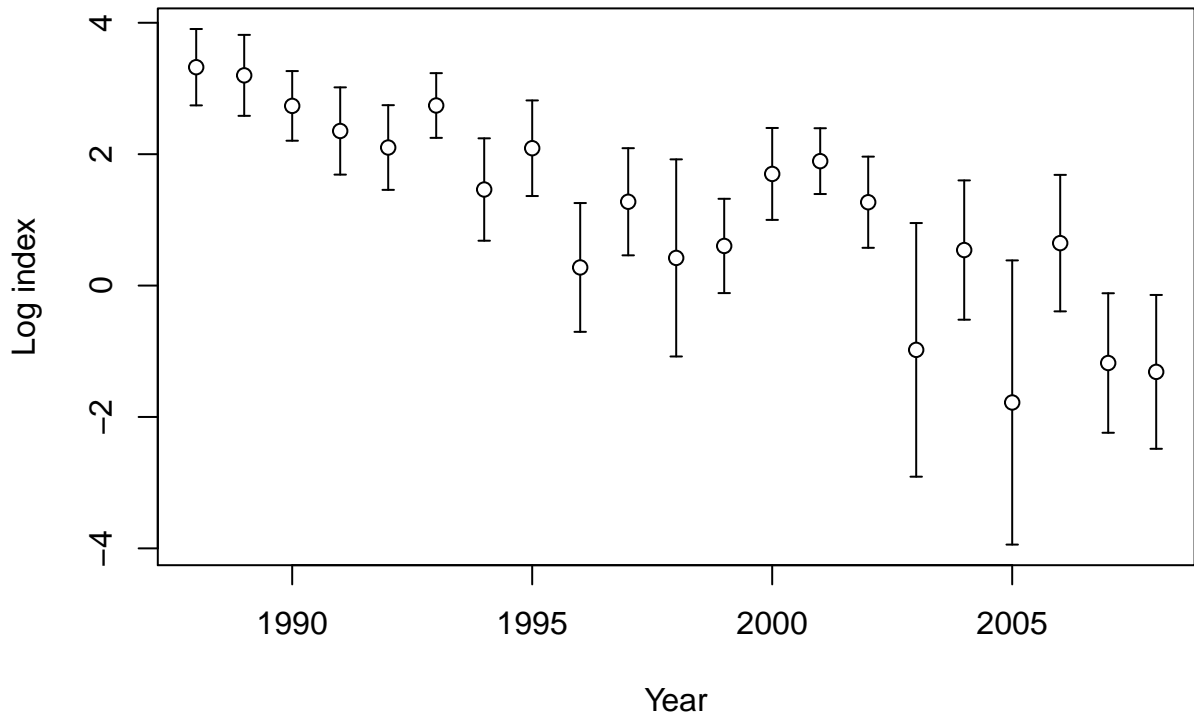




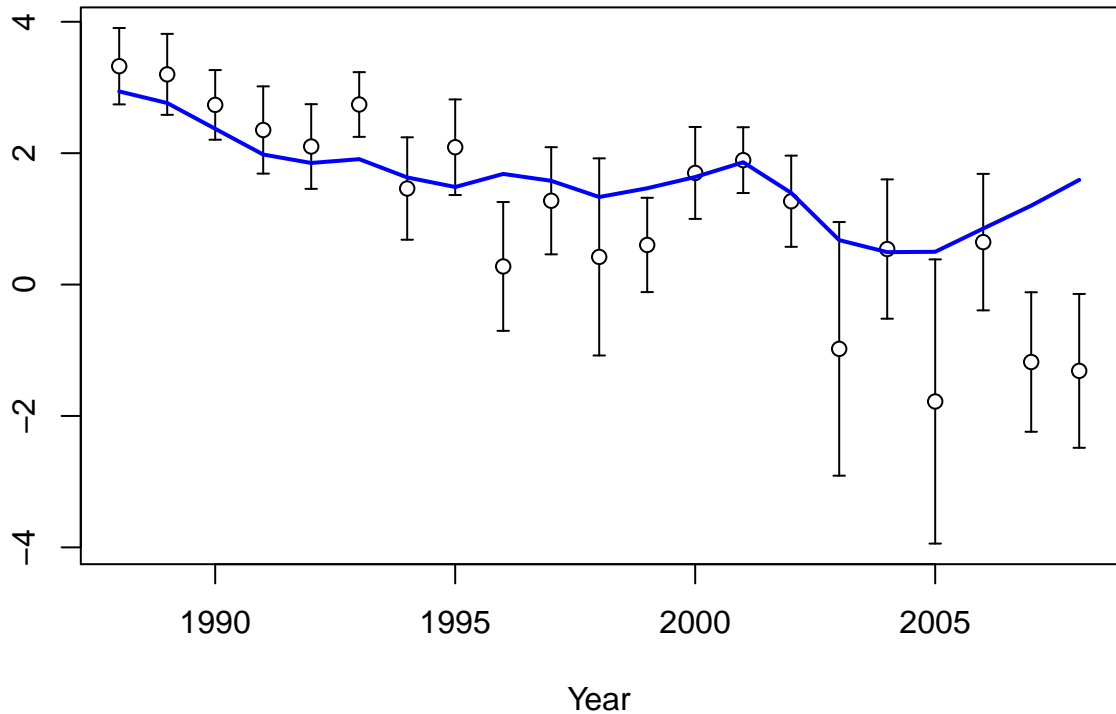




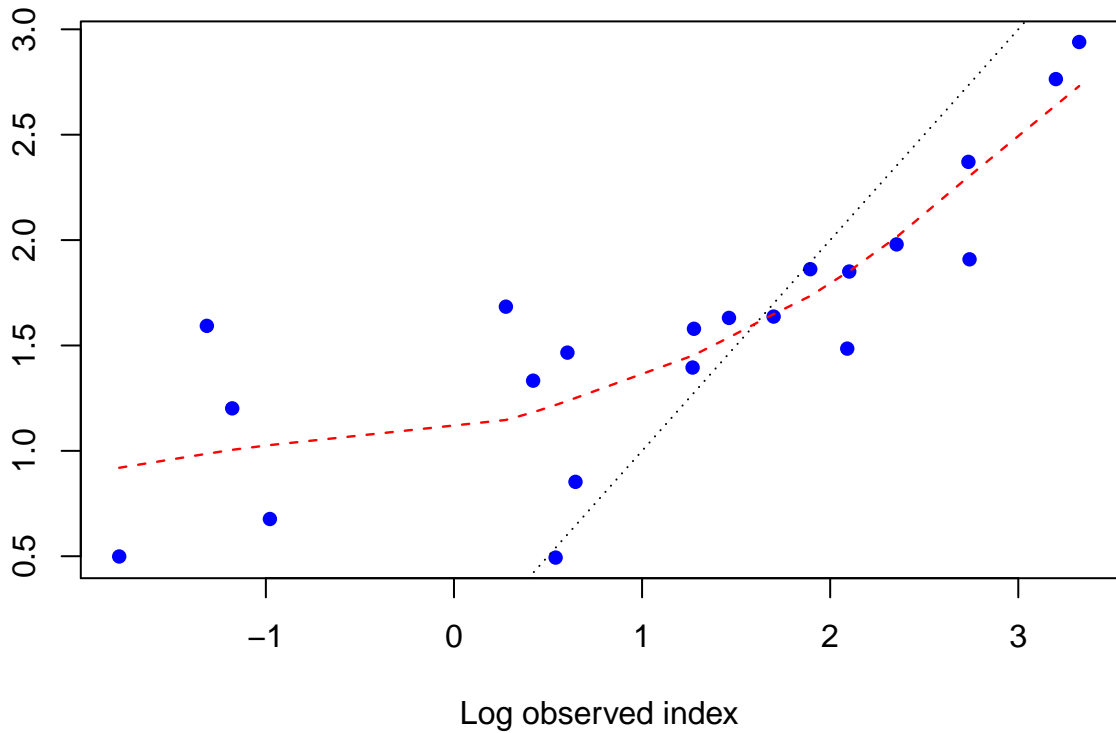




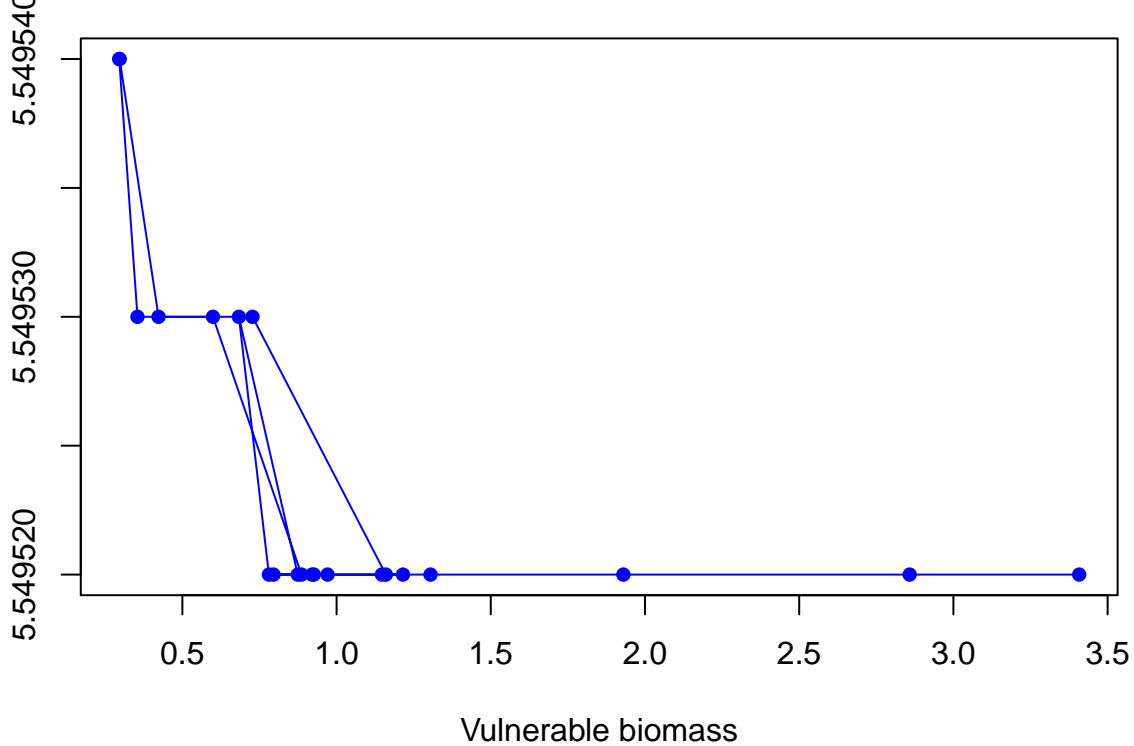
Log index

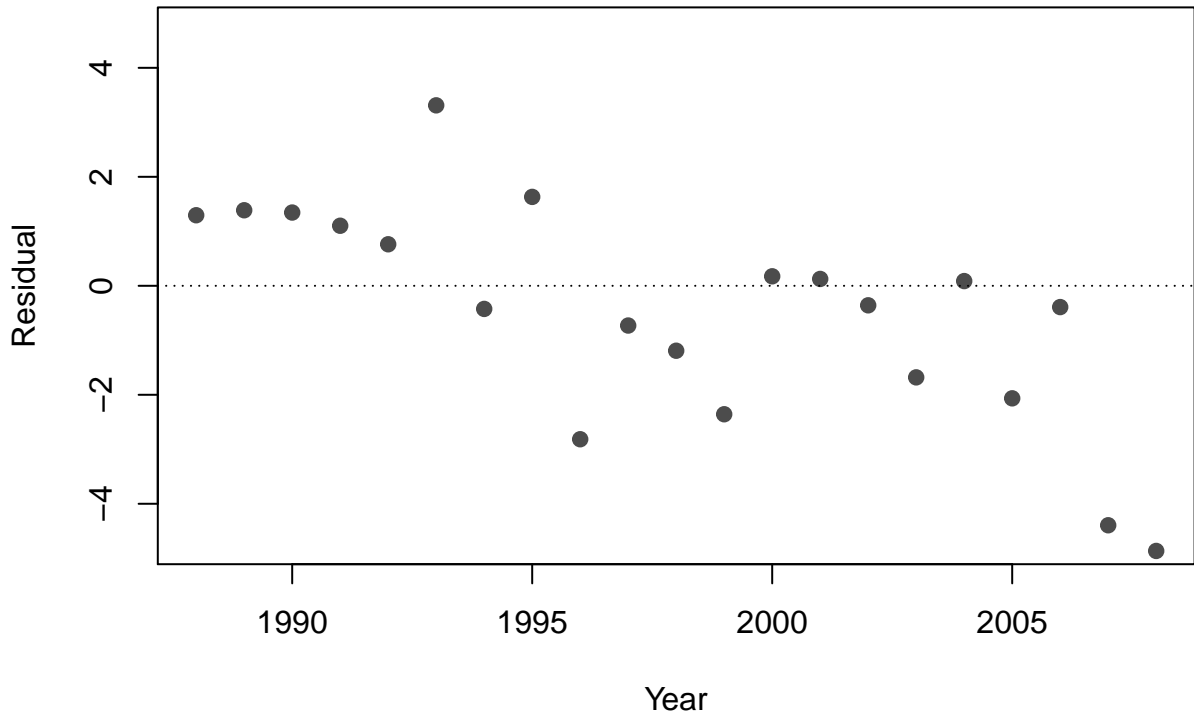


Log expected index

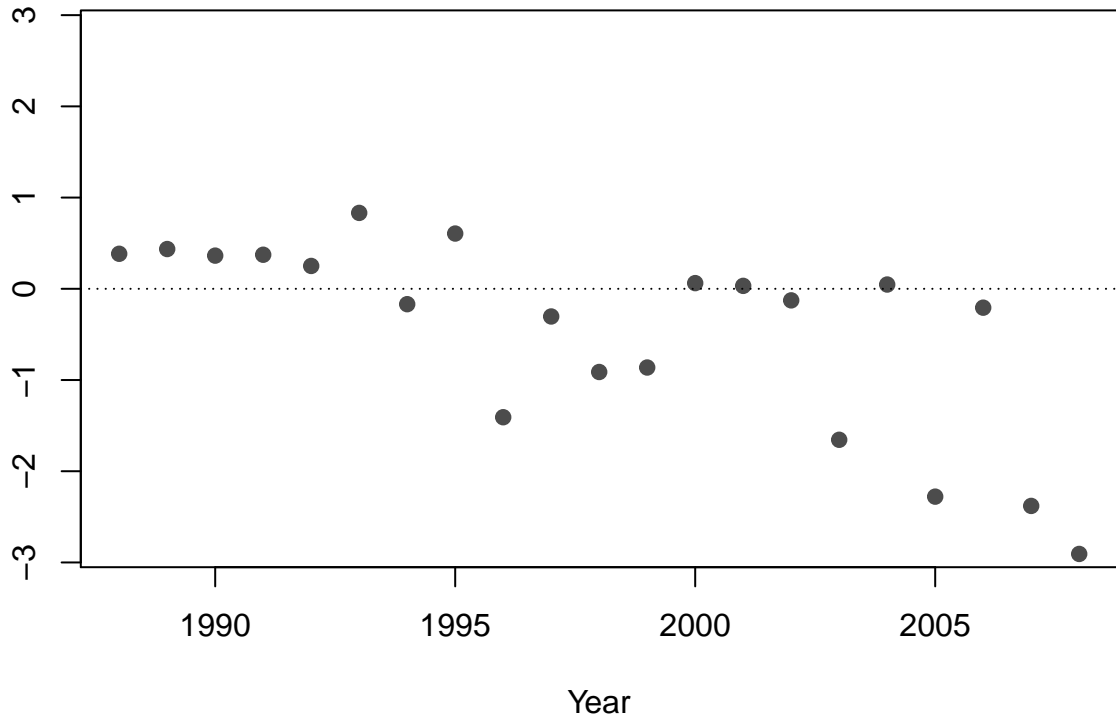


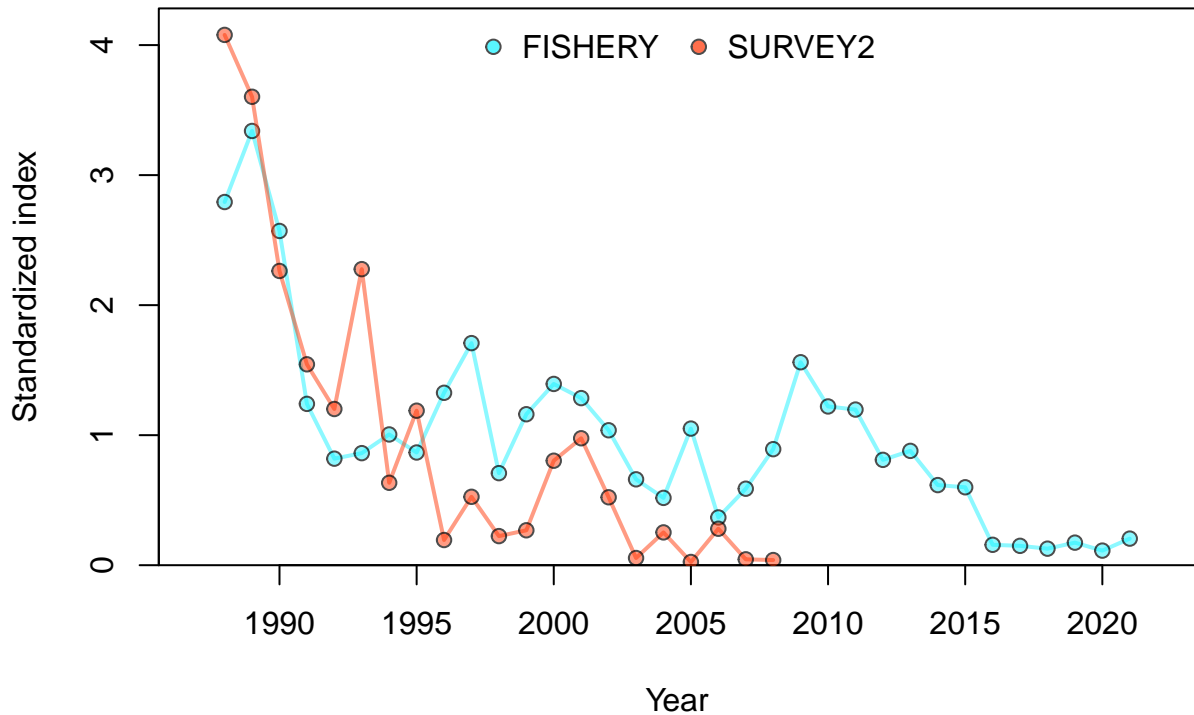
Effective catchability



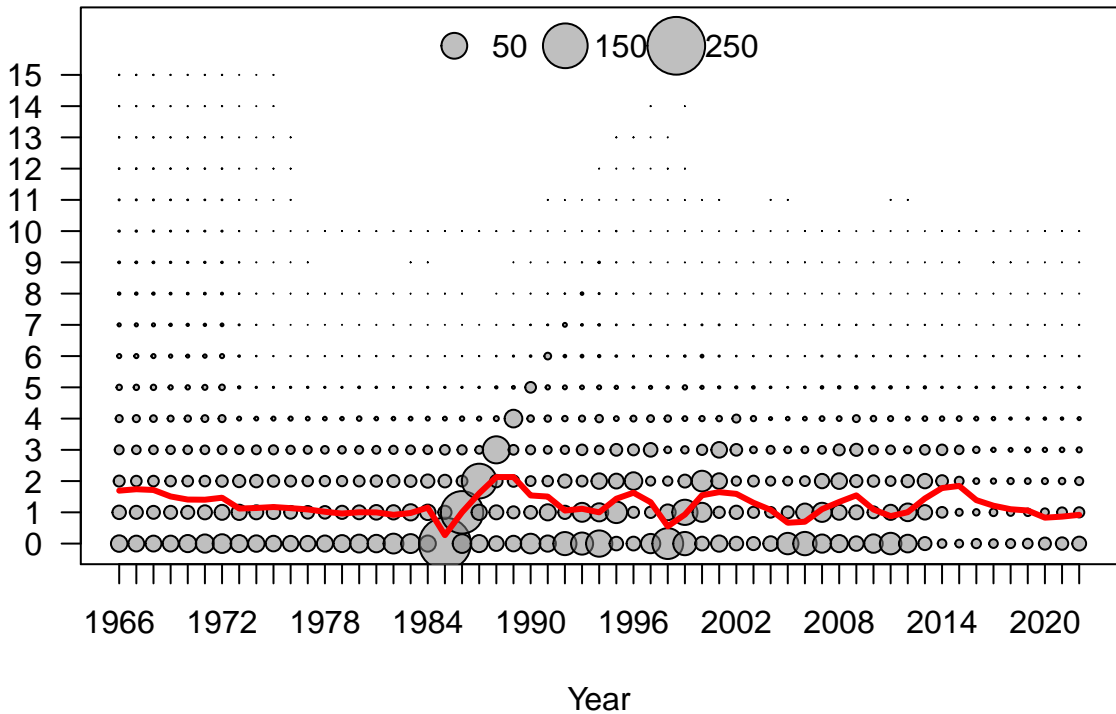


Deviation

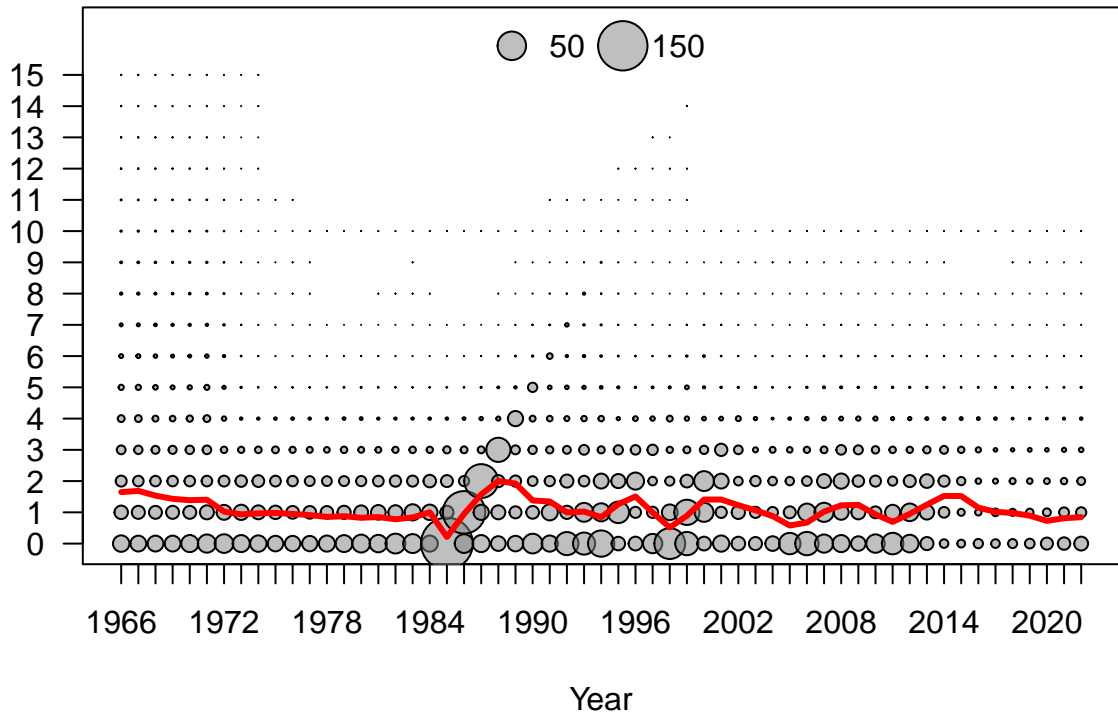


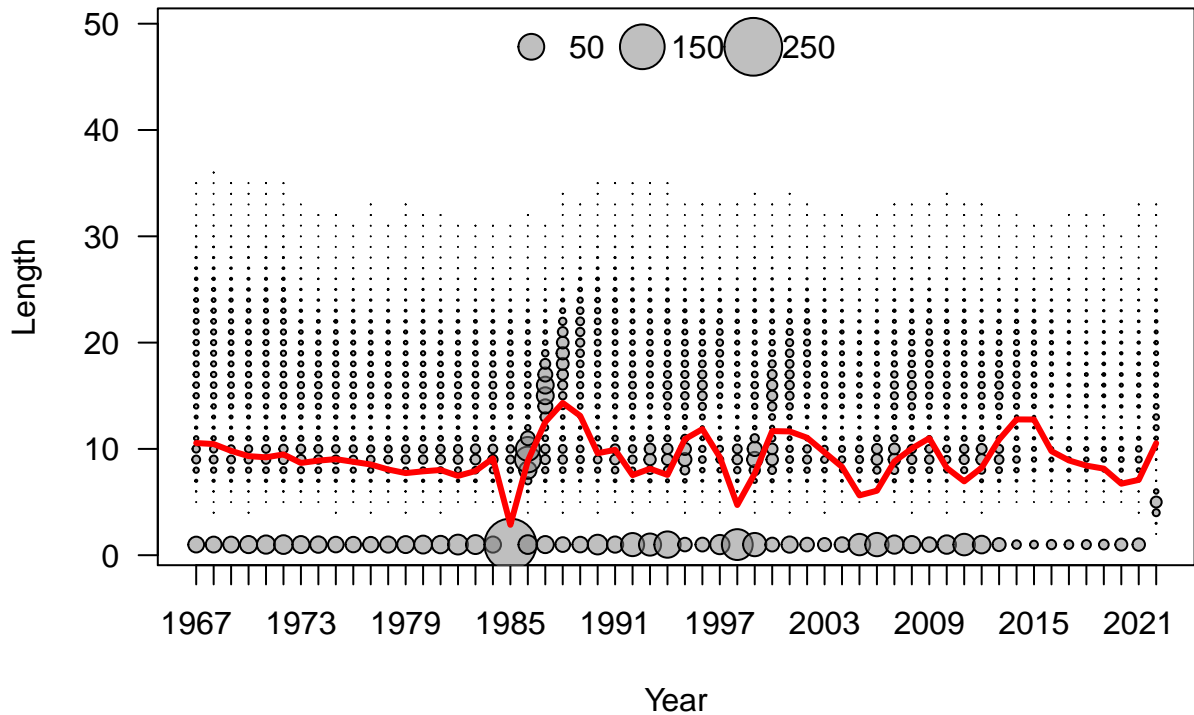


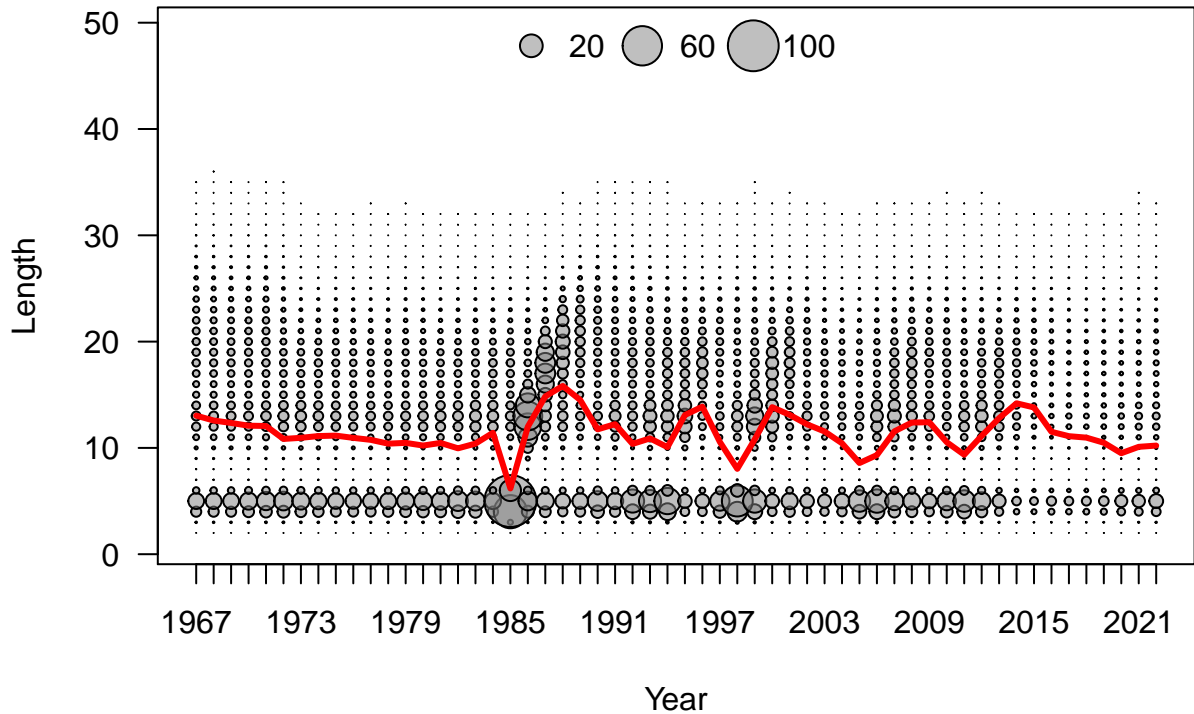
Age

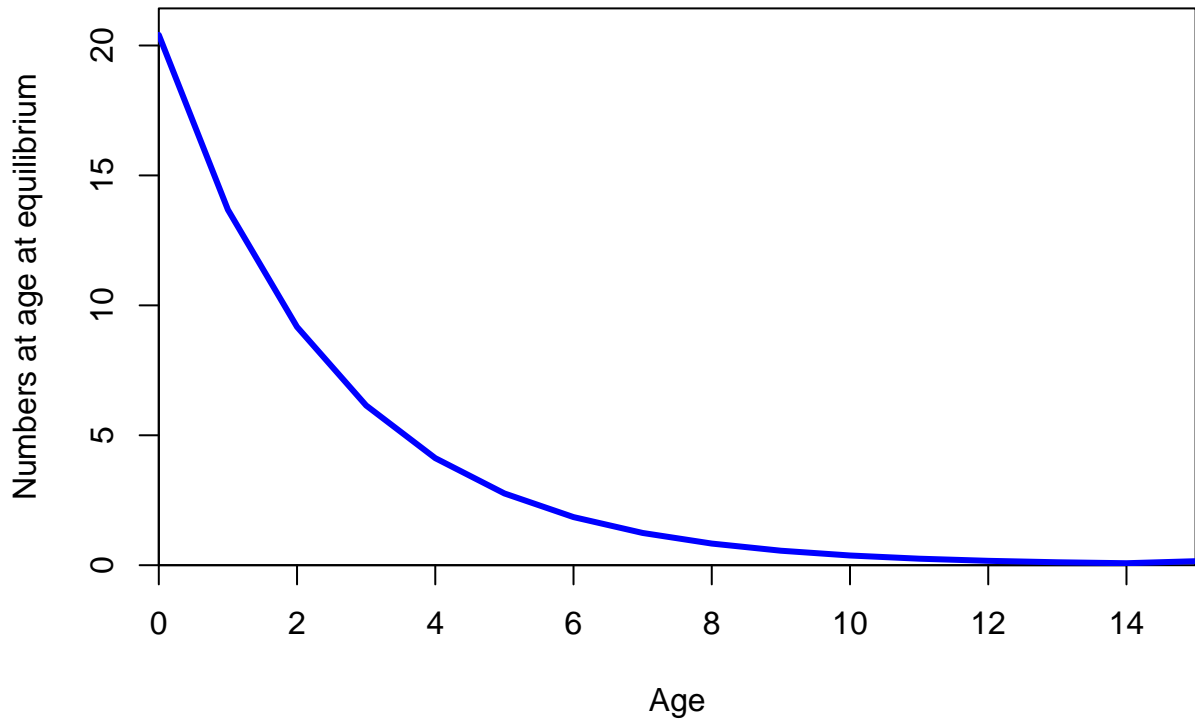


Age



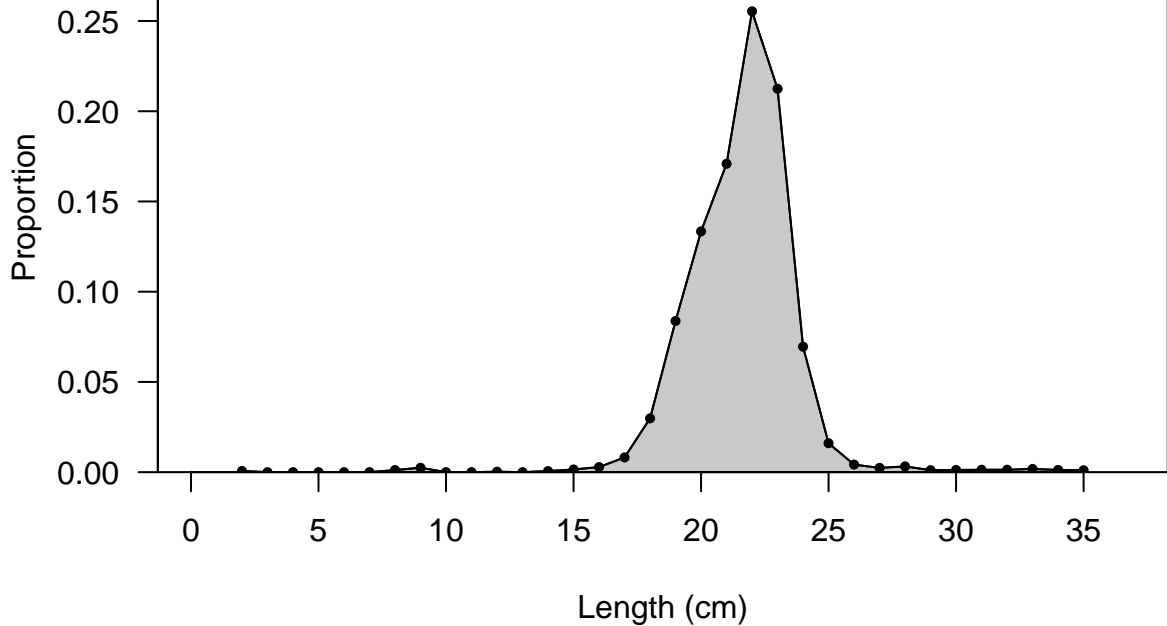


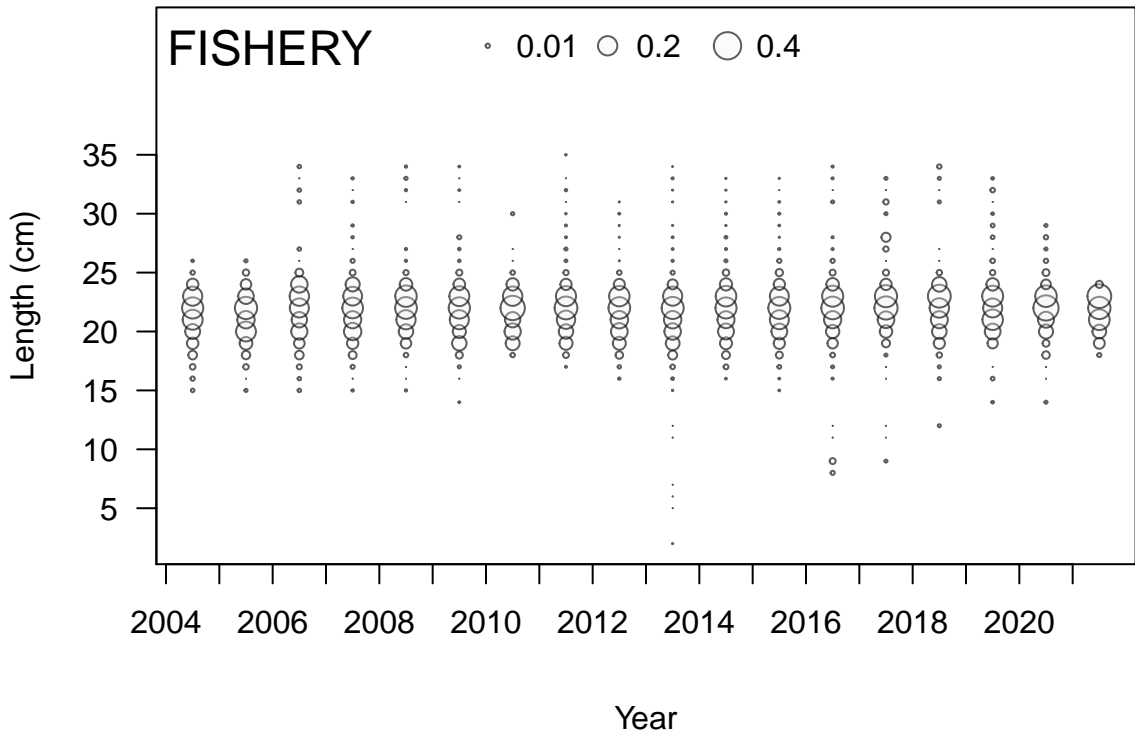


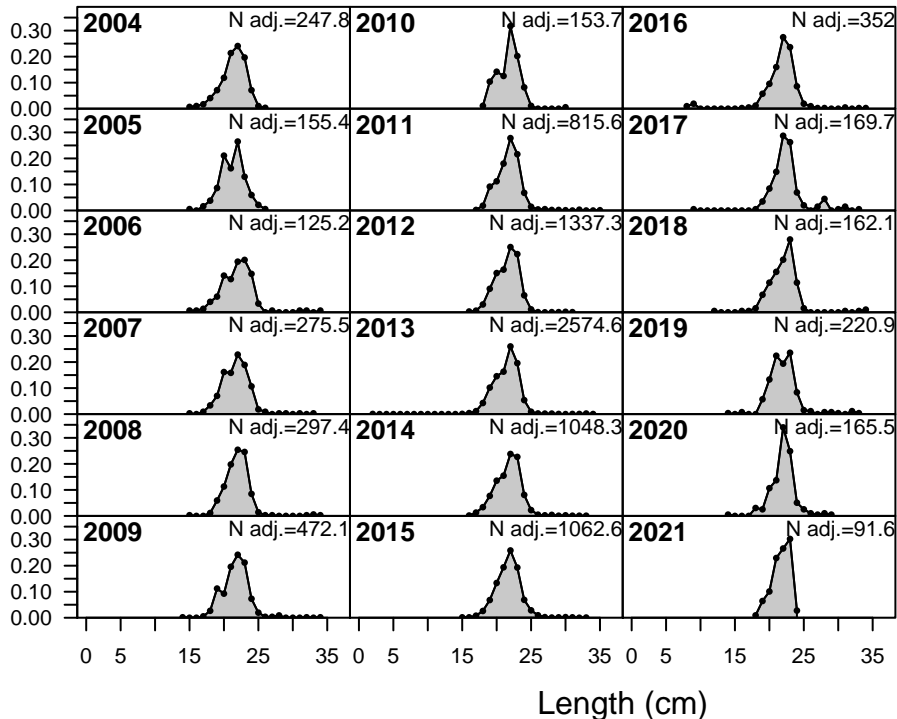


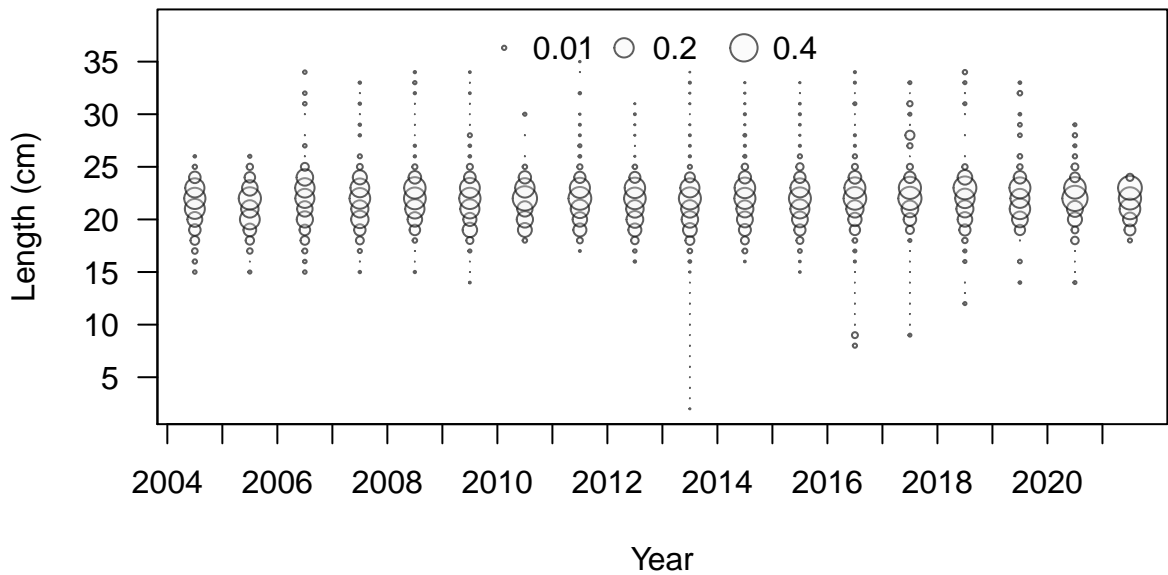
FISHERY

Sum of N adj.=9727.2

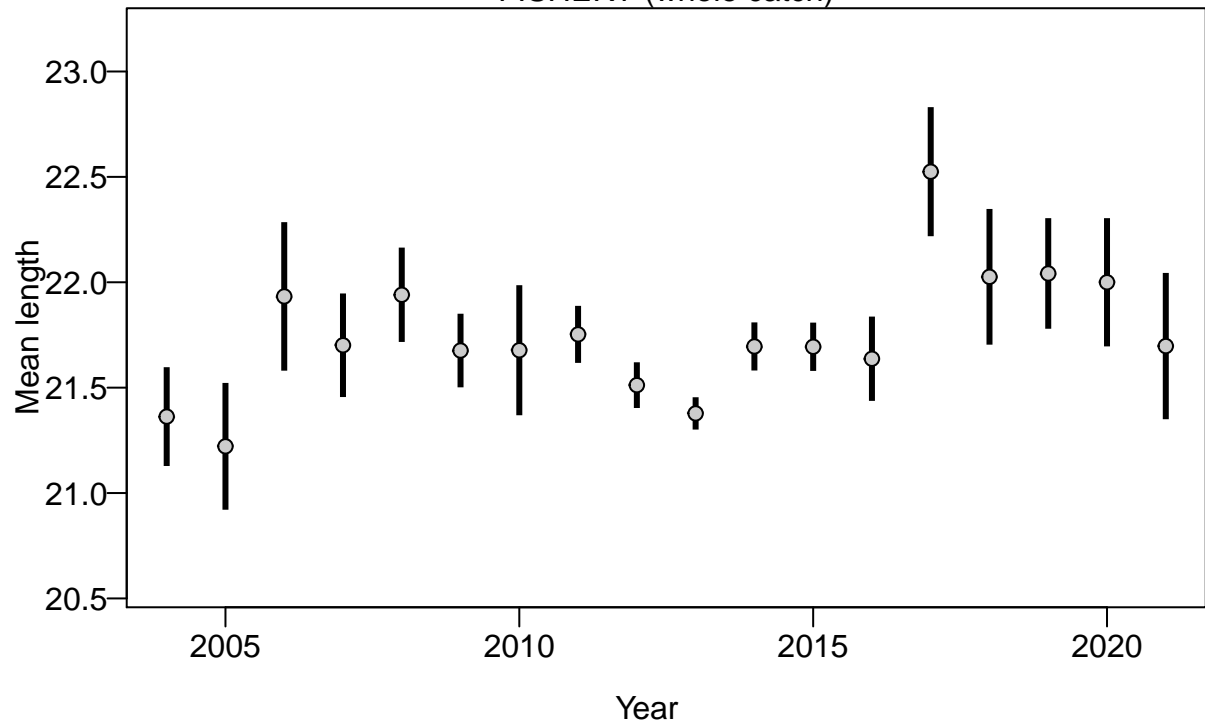


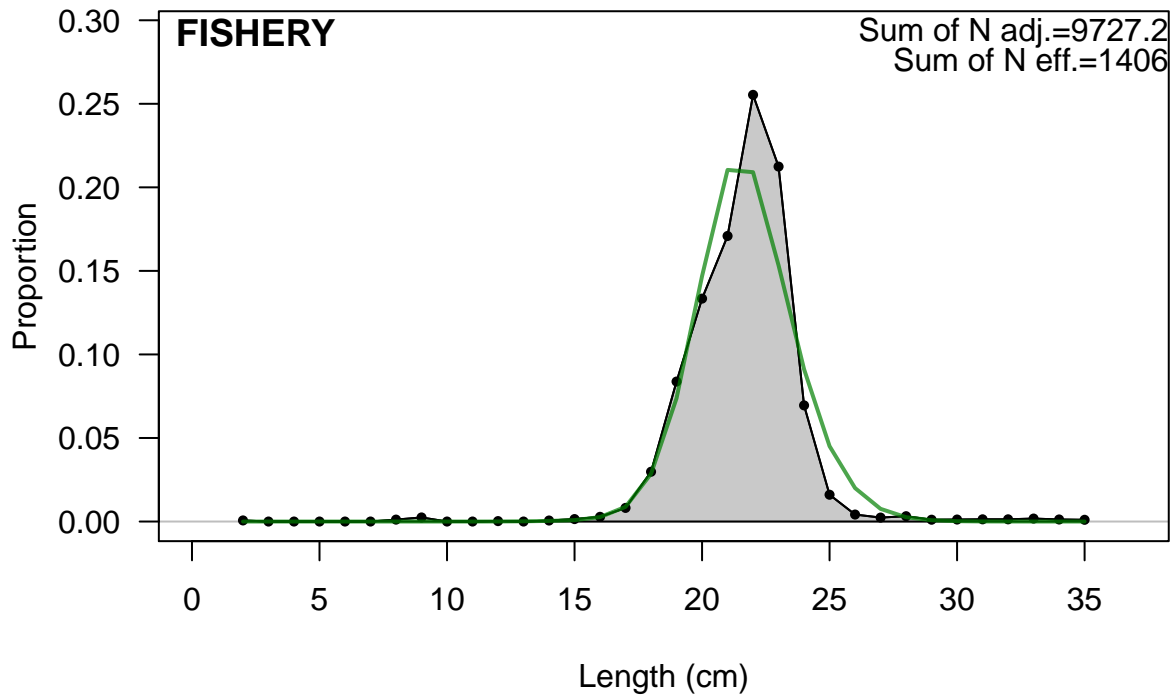


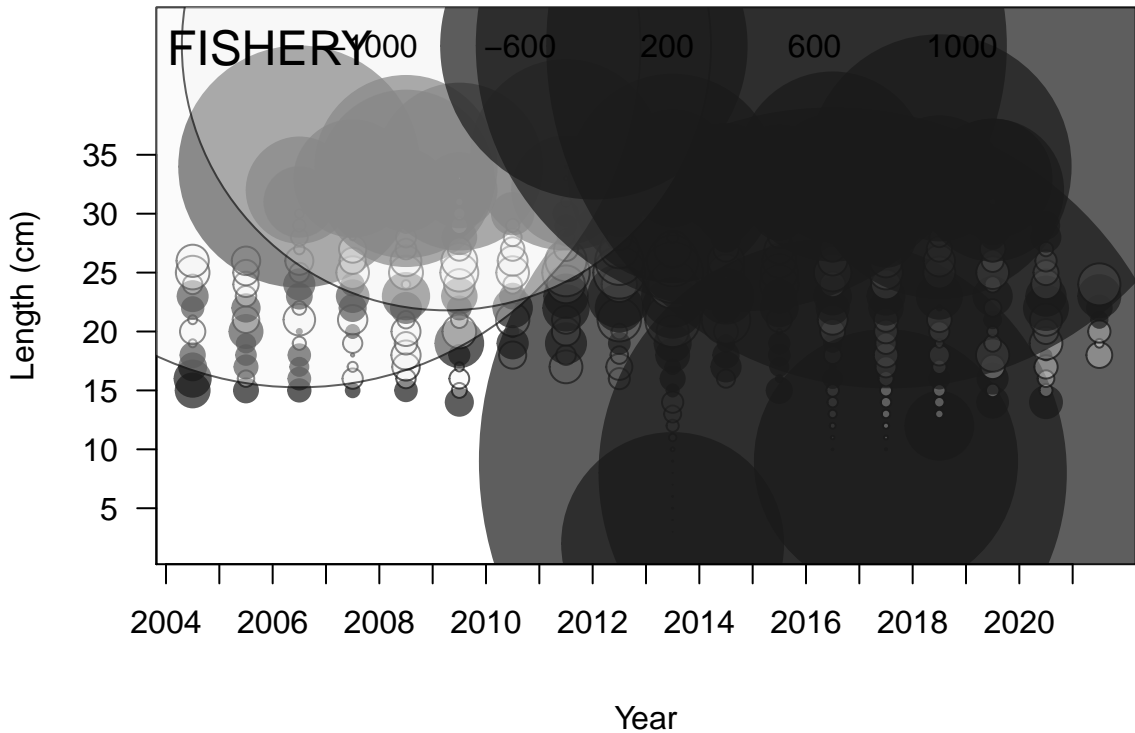


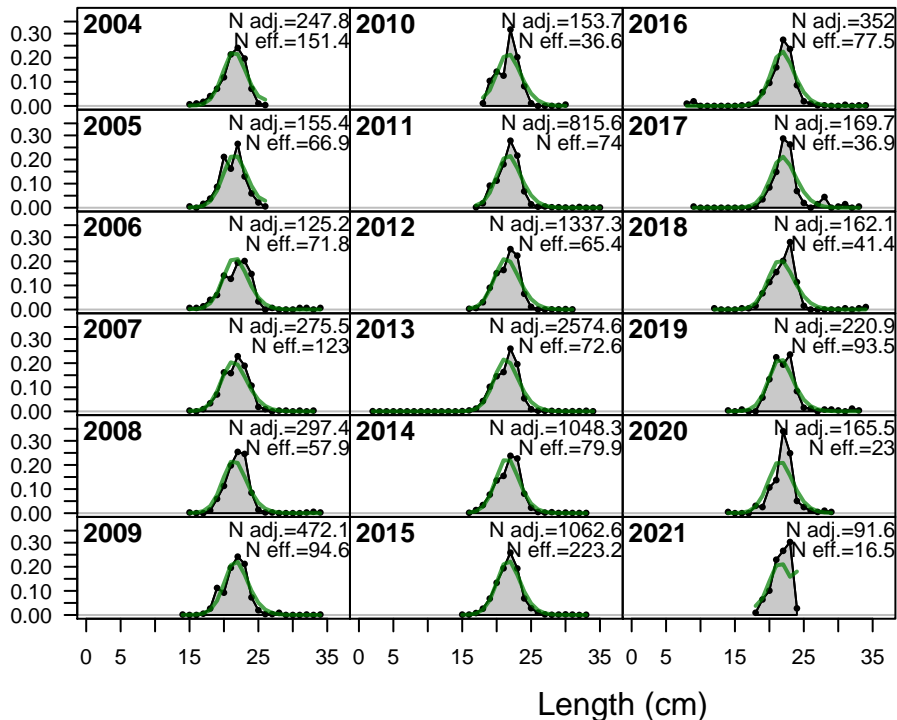


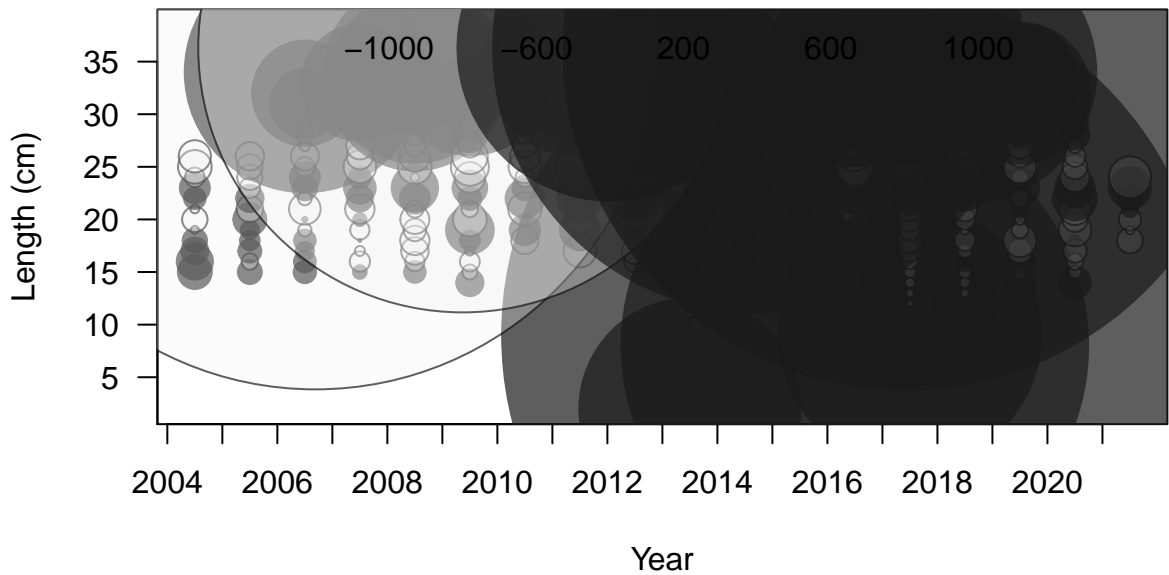
FISHERY (whole catch)



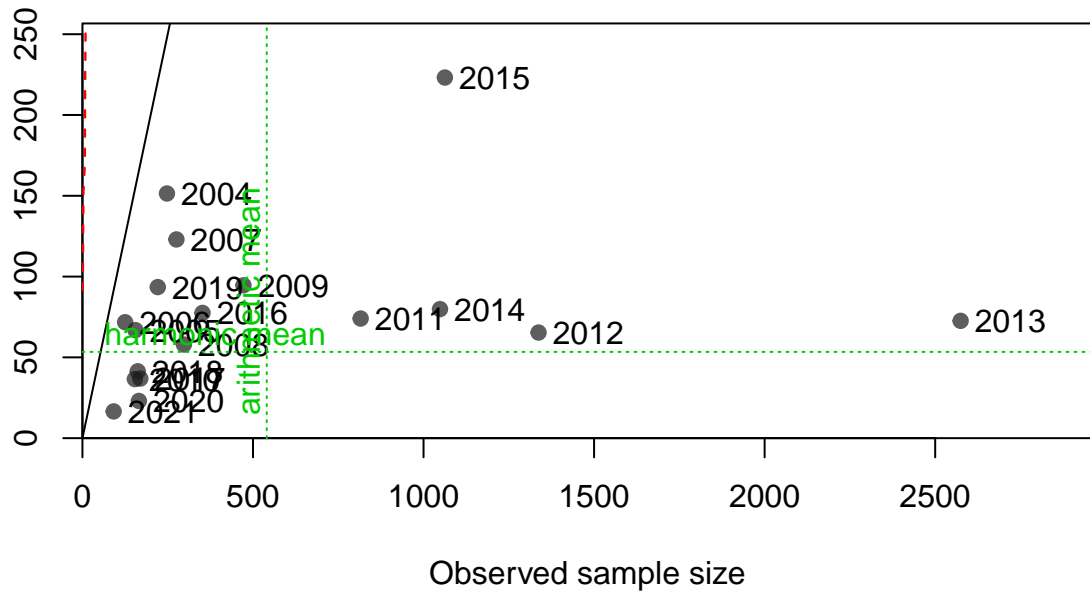




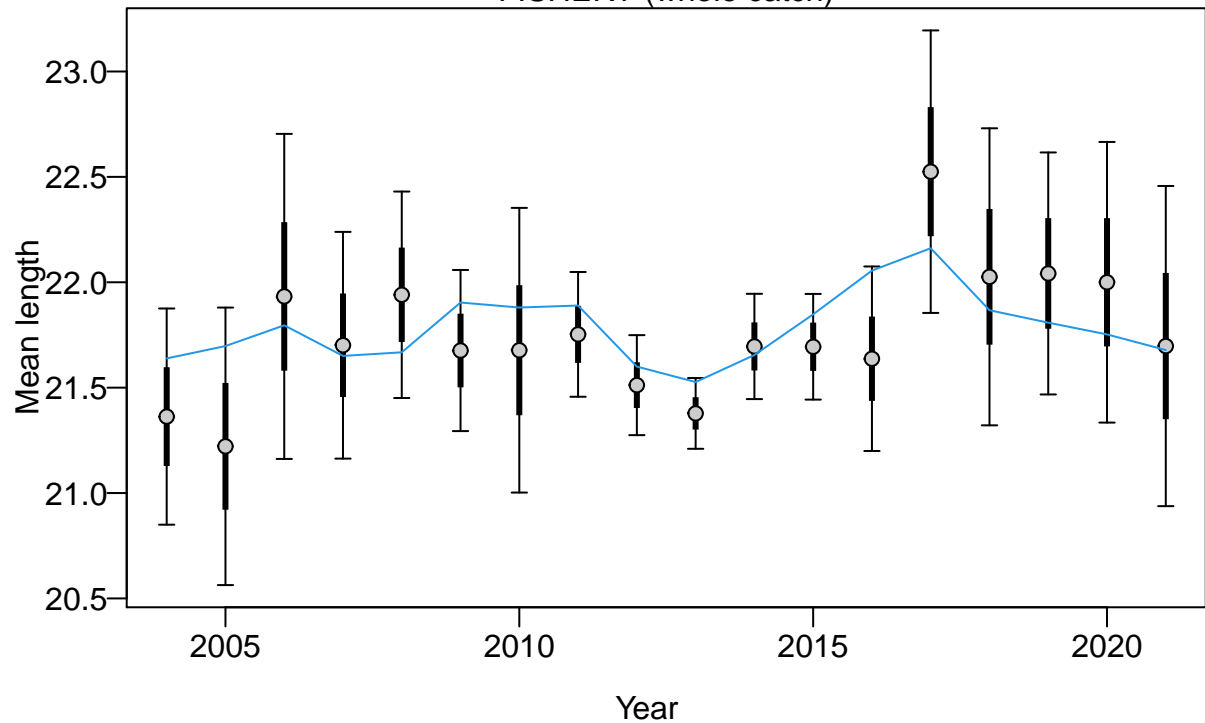


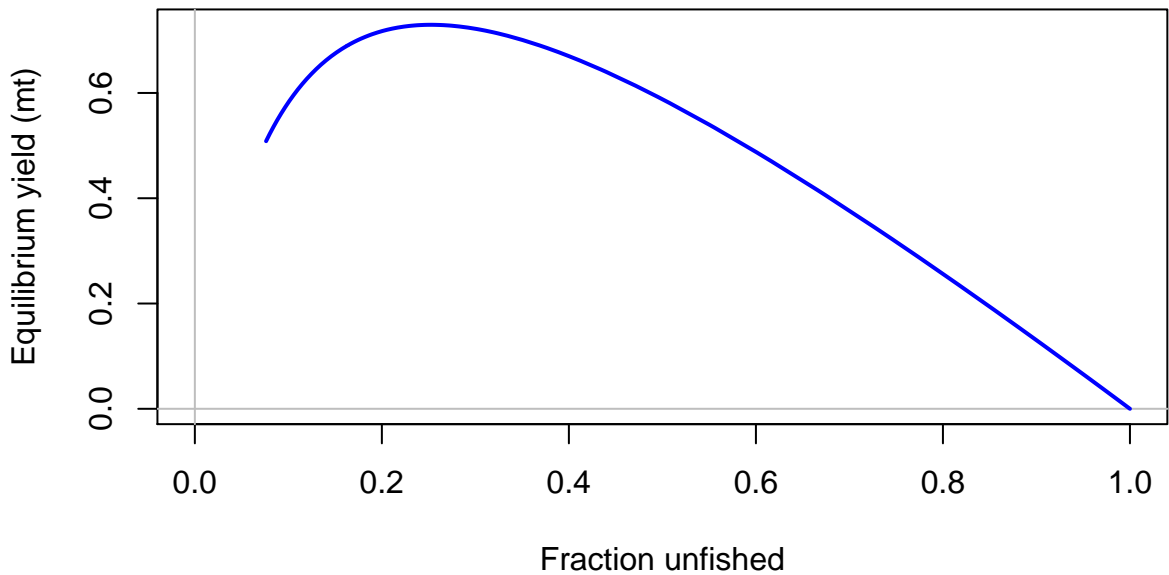


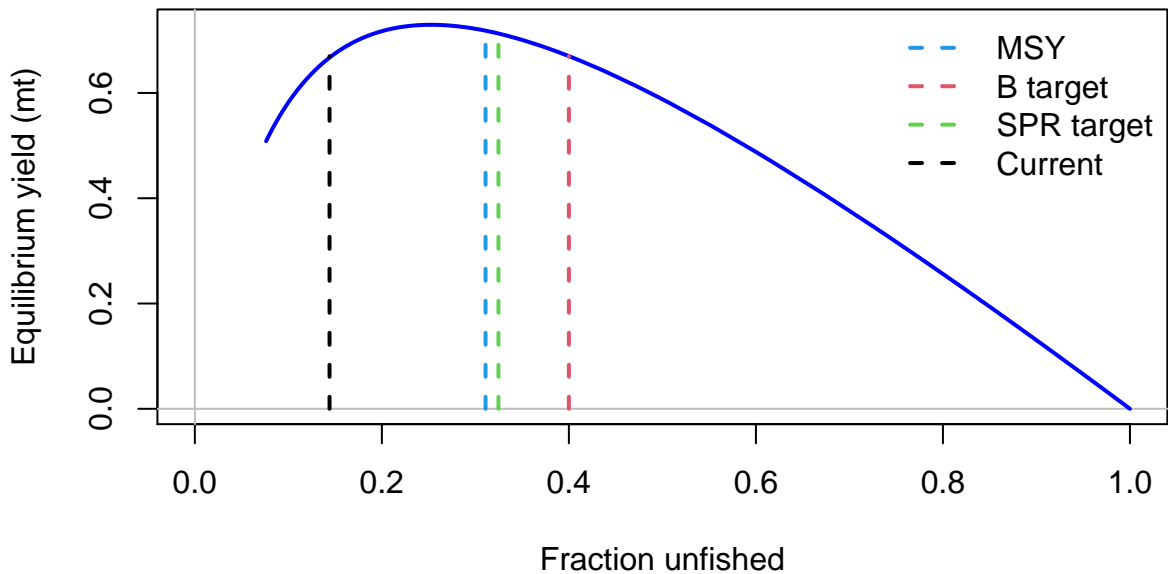
Effective sample size

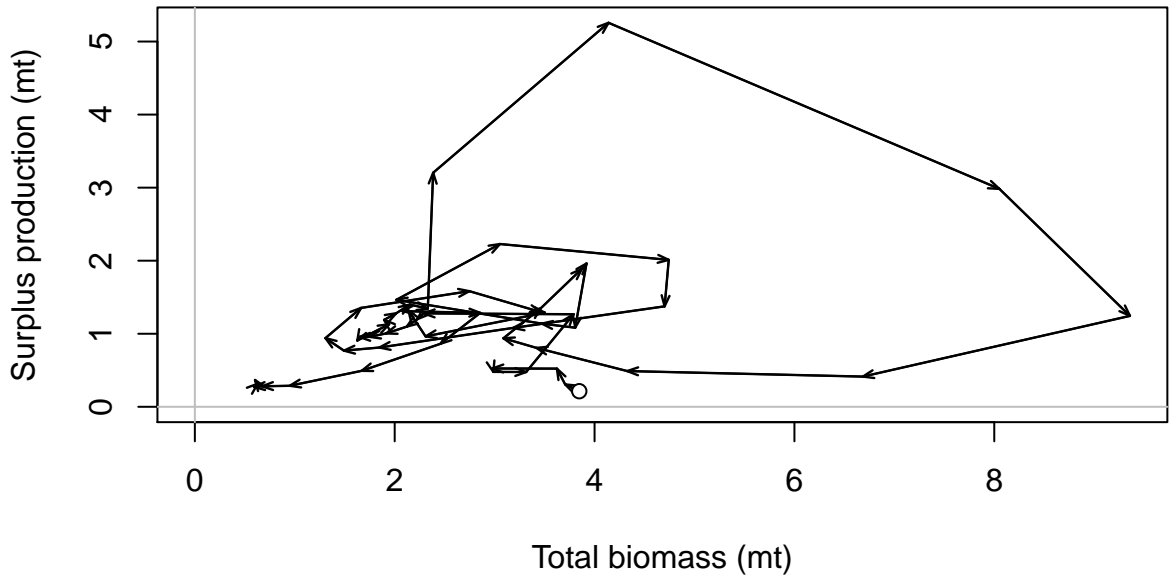


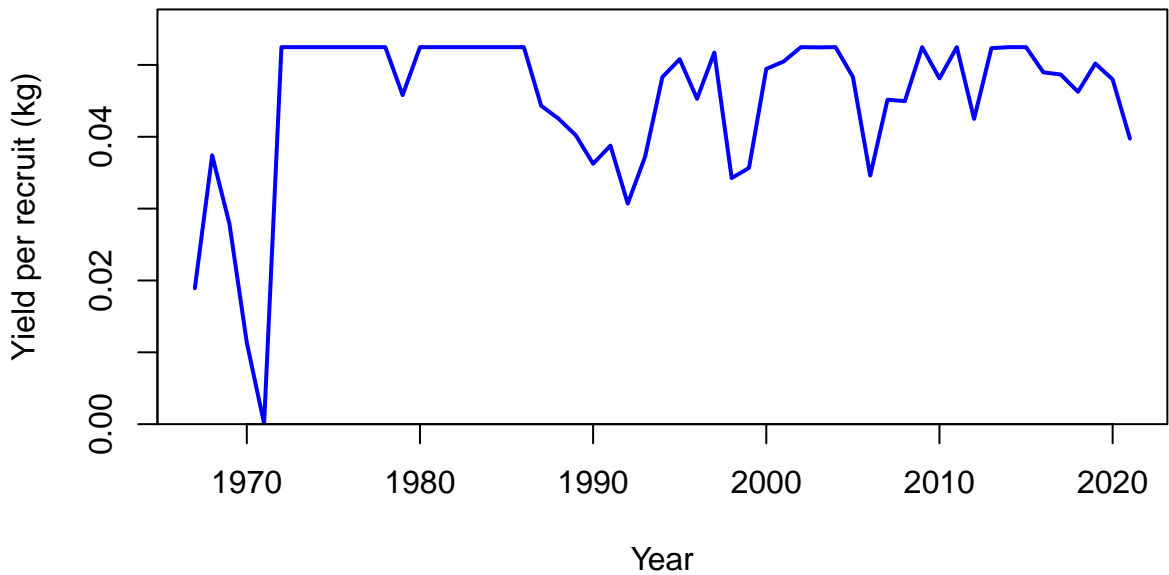
FISHERY (whole catch)

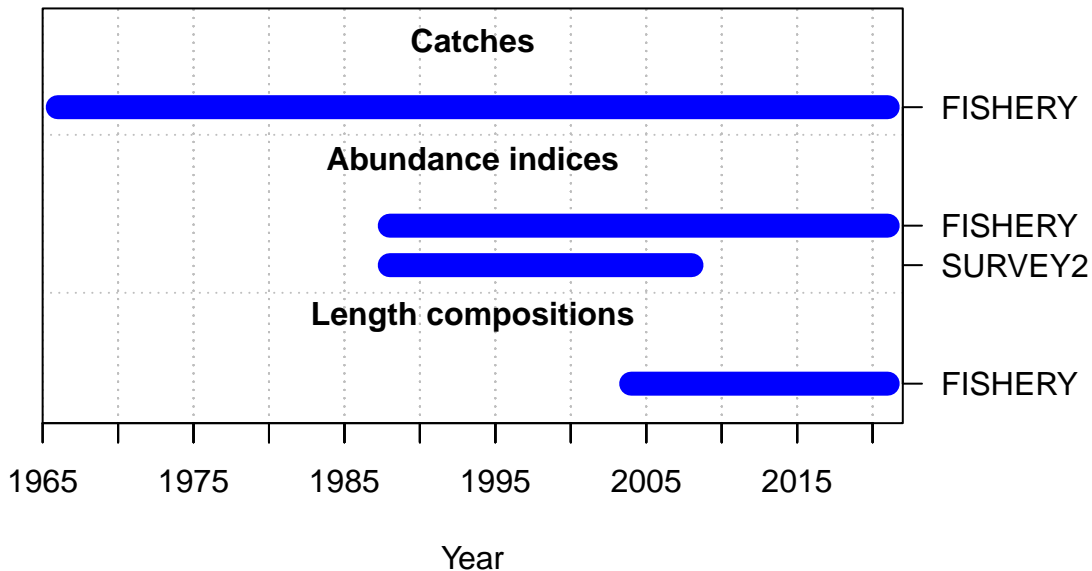


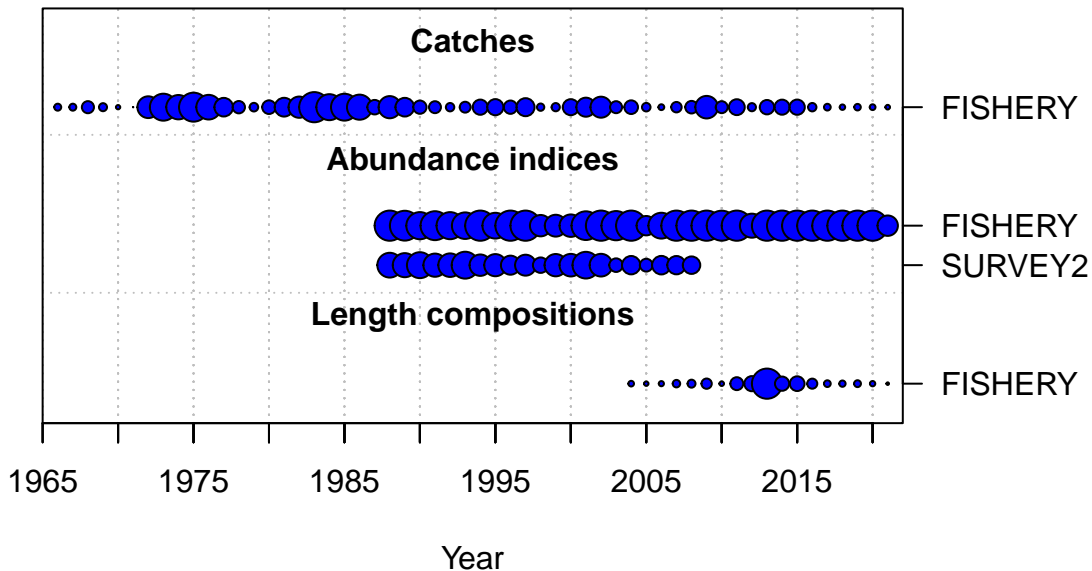




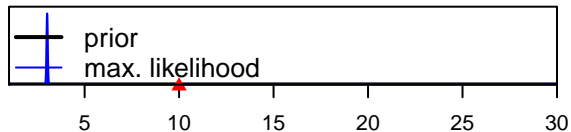




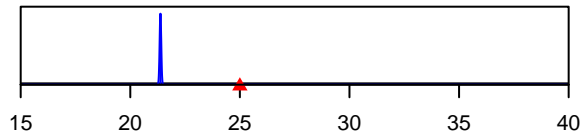




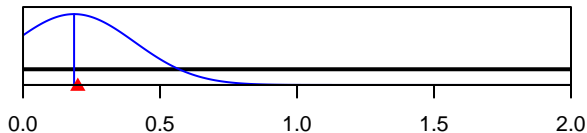
SR_LN(R0)



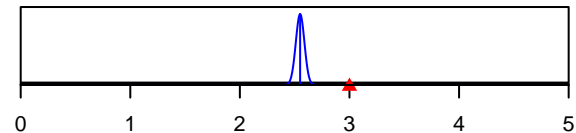
Size_inflection_FISHERY(1)



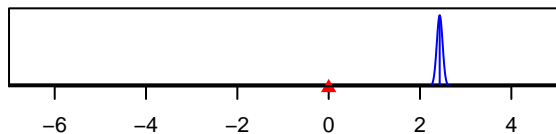
InitF_seas_1flt_1FISHERY



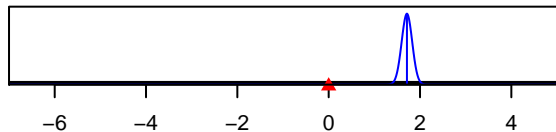
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value