

Plots created using the 'r4ss' package in R

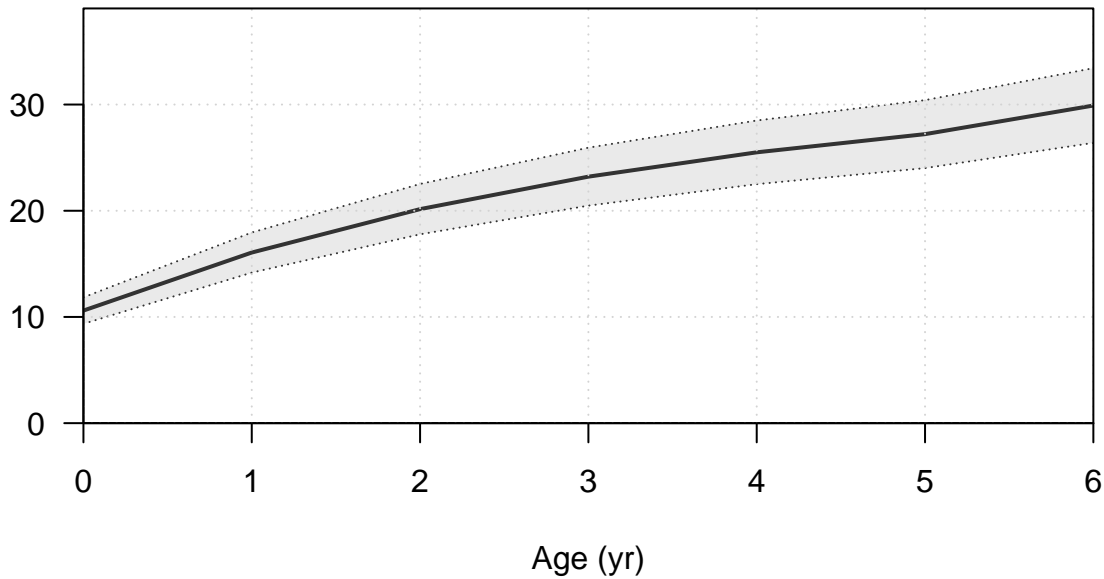
Stock Synthesis version: 3.30.19.0

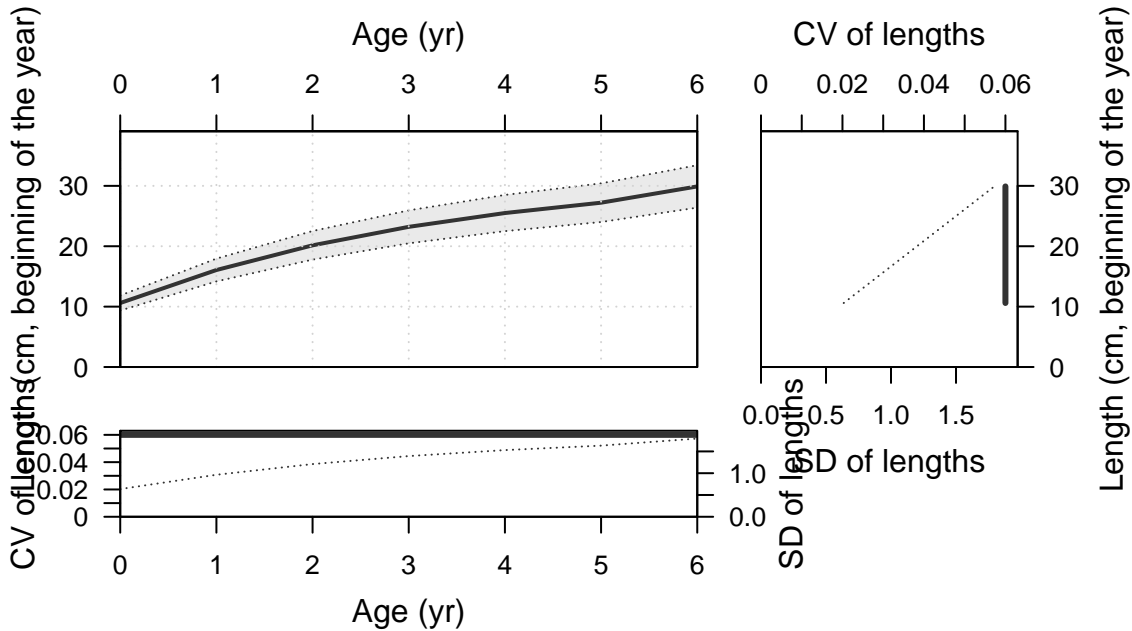
StartTime: Thu Jul 14 17:25:11 2022

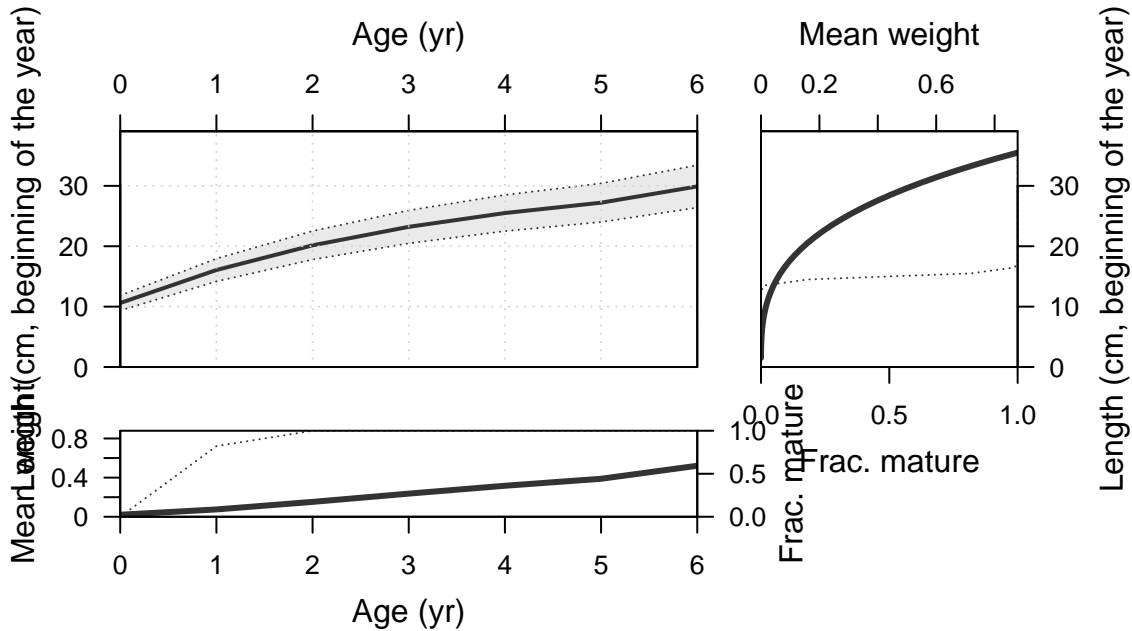
Data_File: data.ss

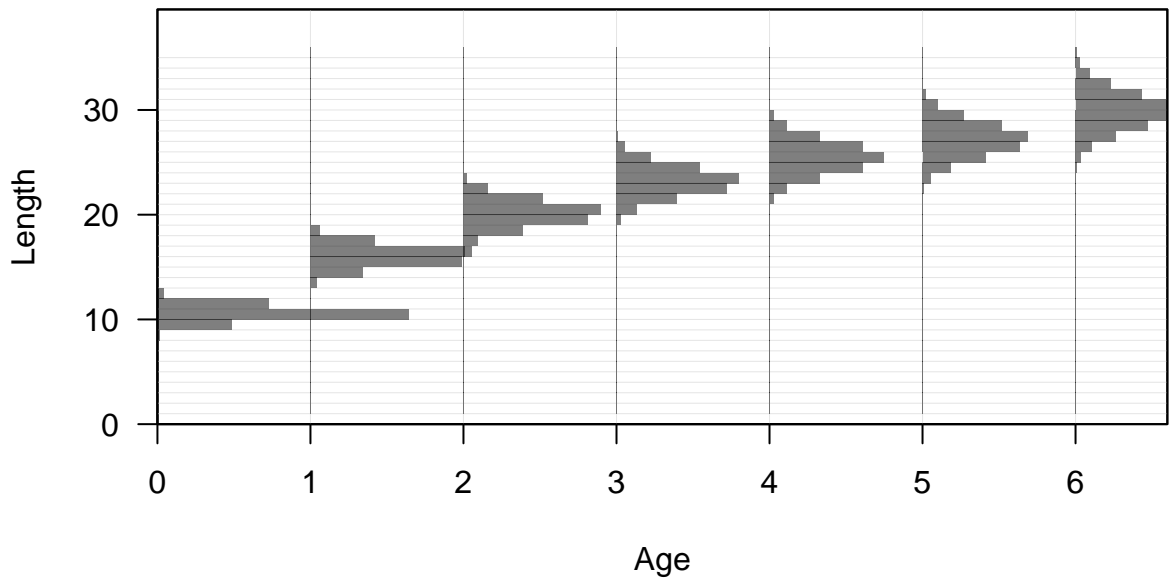
Control_File: control.ss

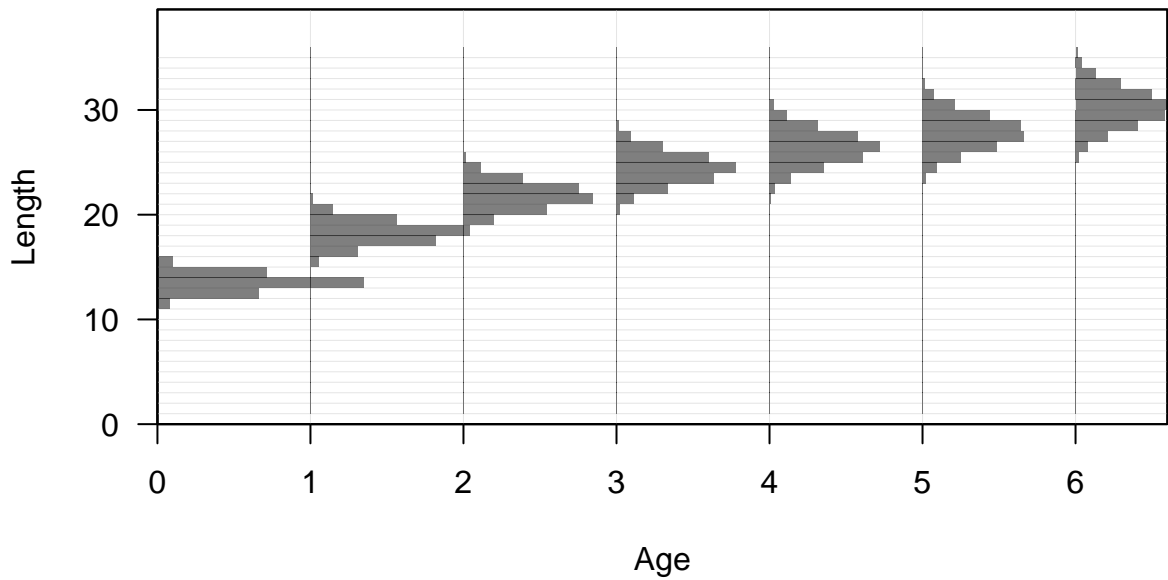
Length (cm, beginning of the year)

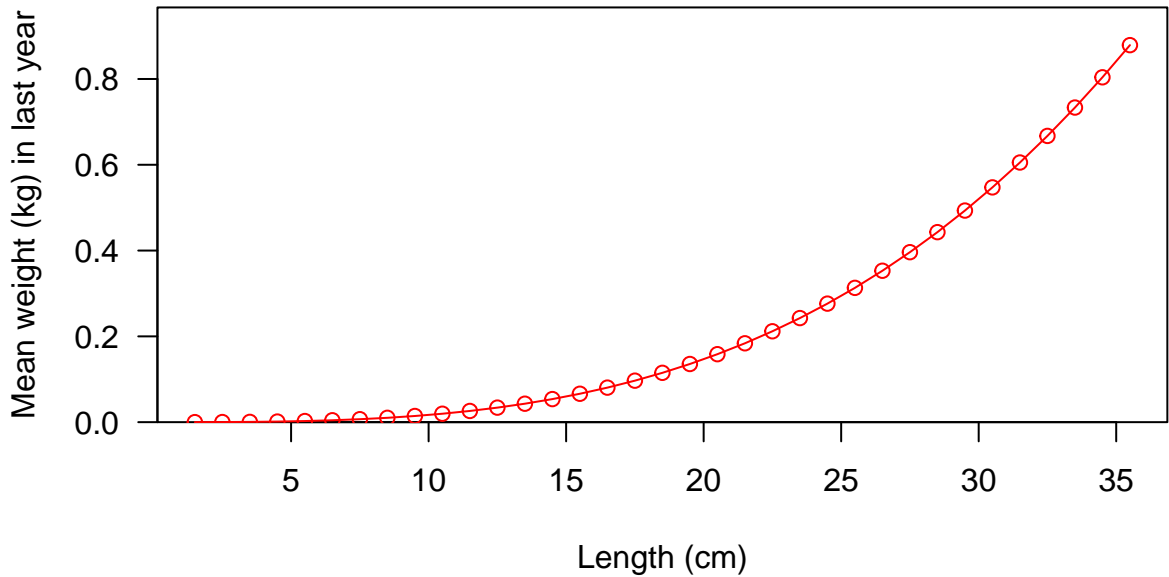


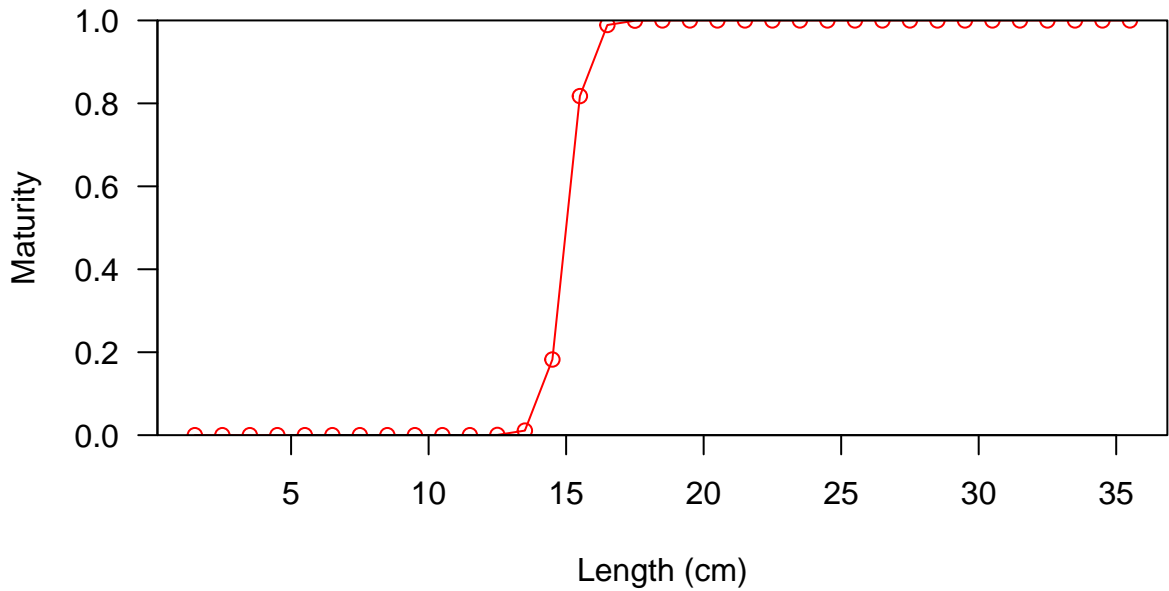


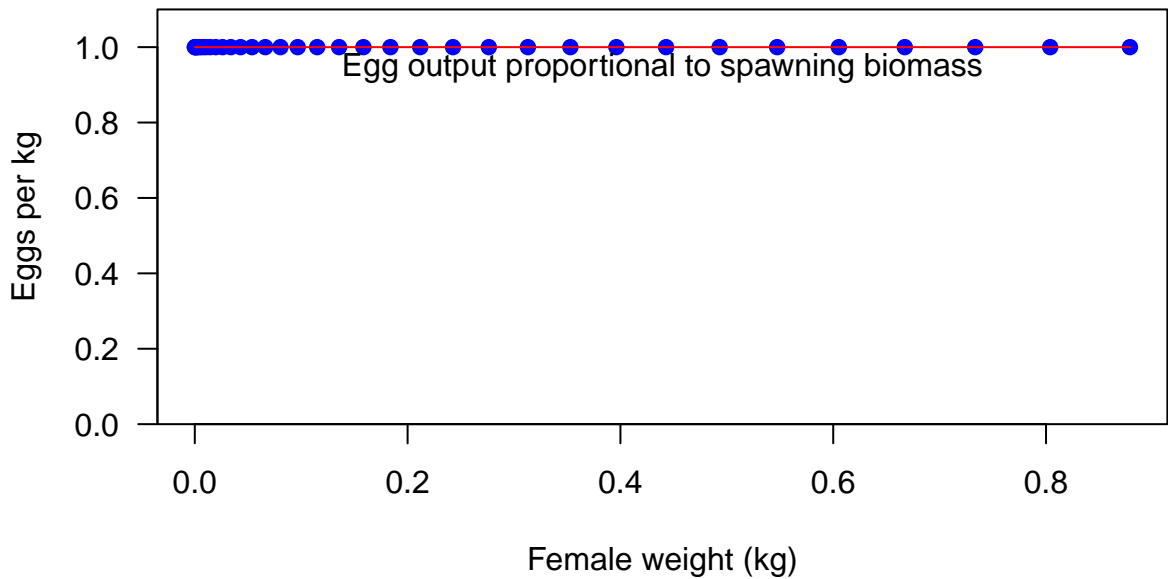


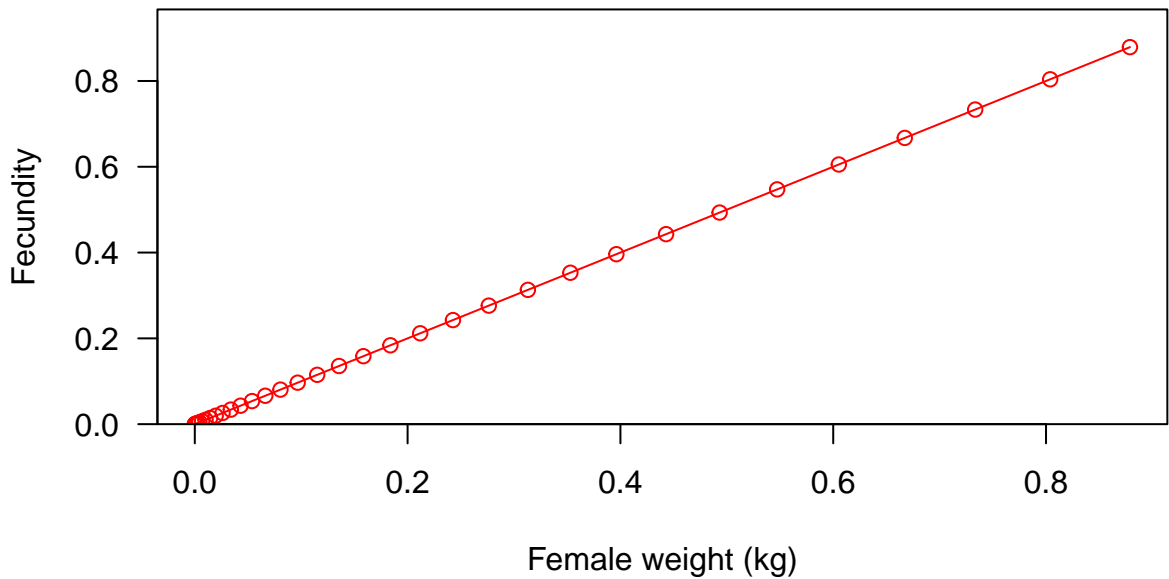


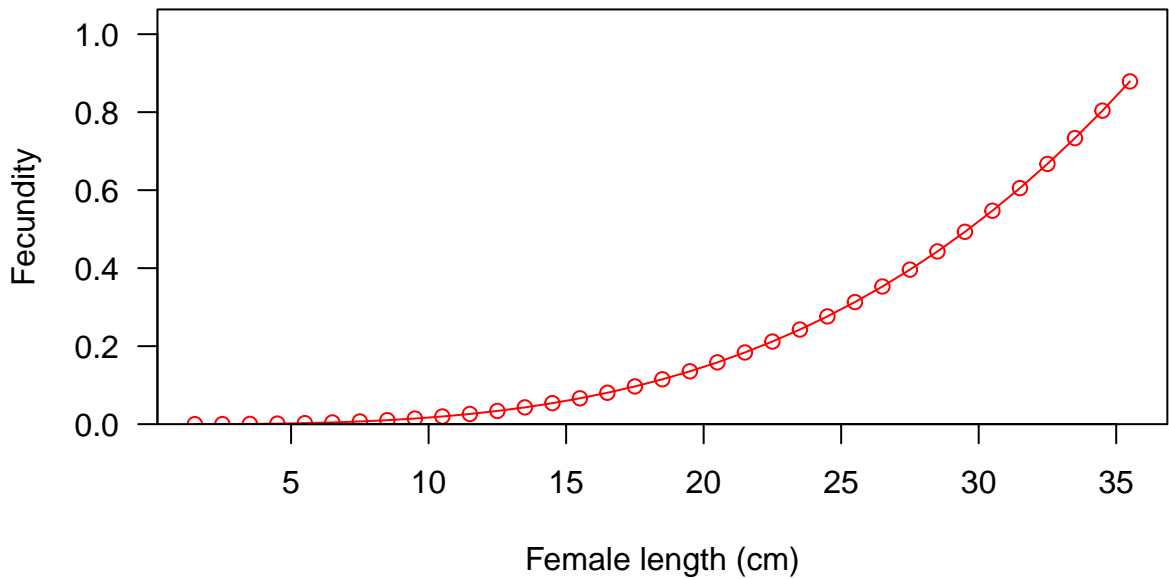


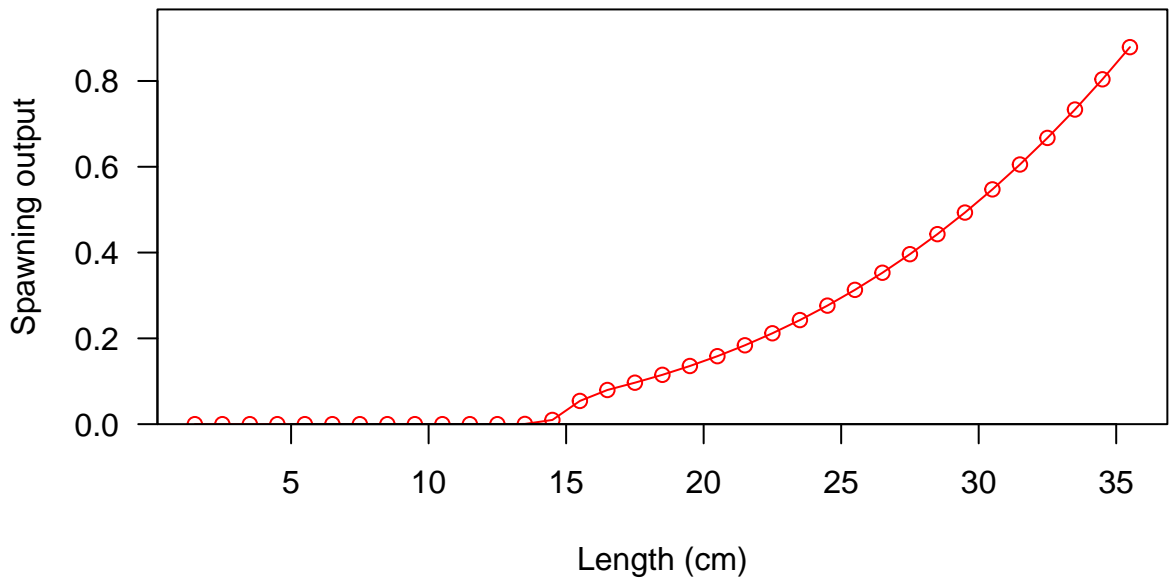


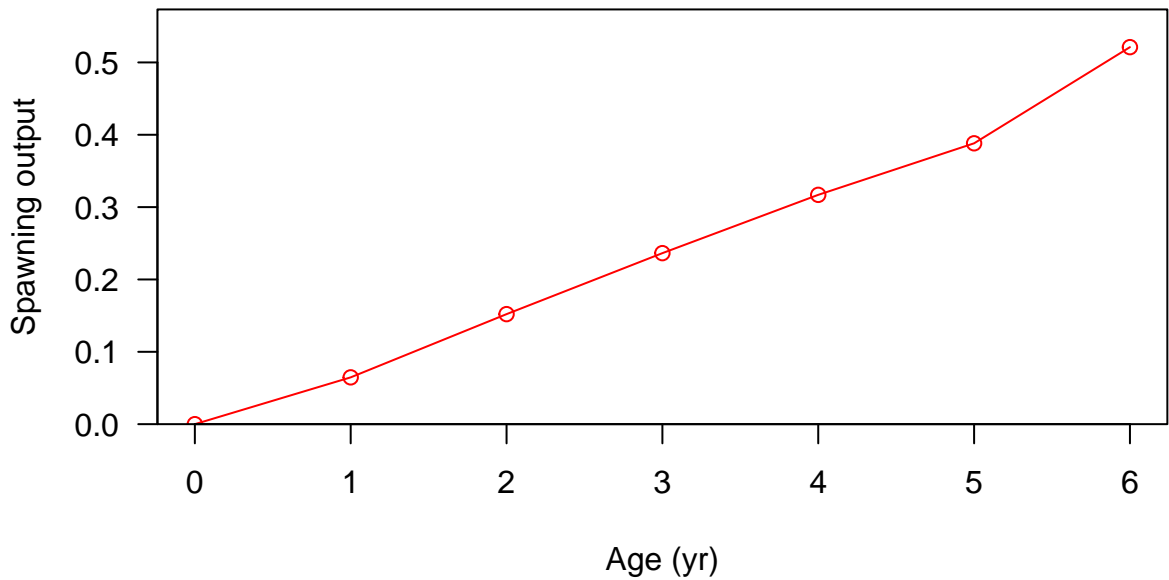




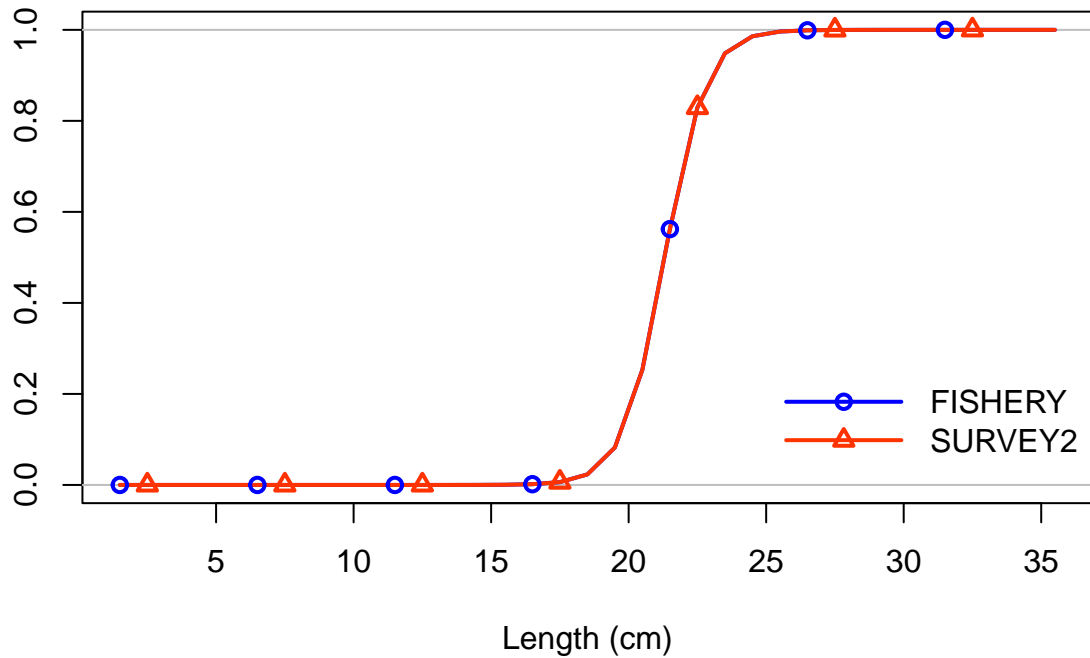




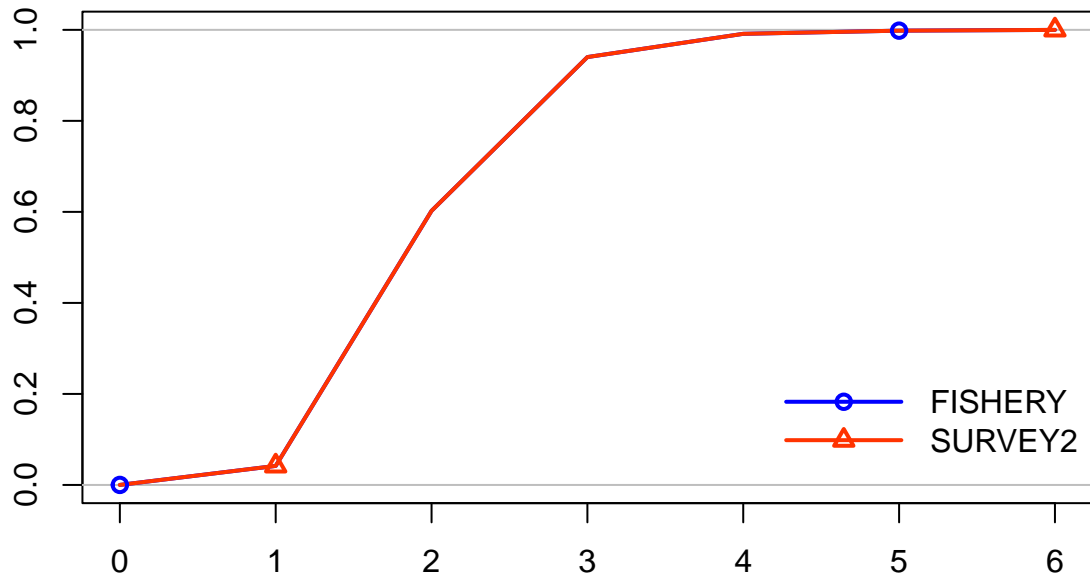




Selectivity

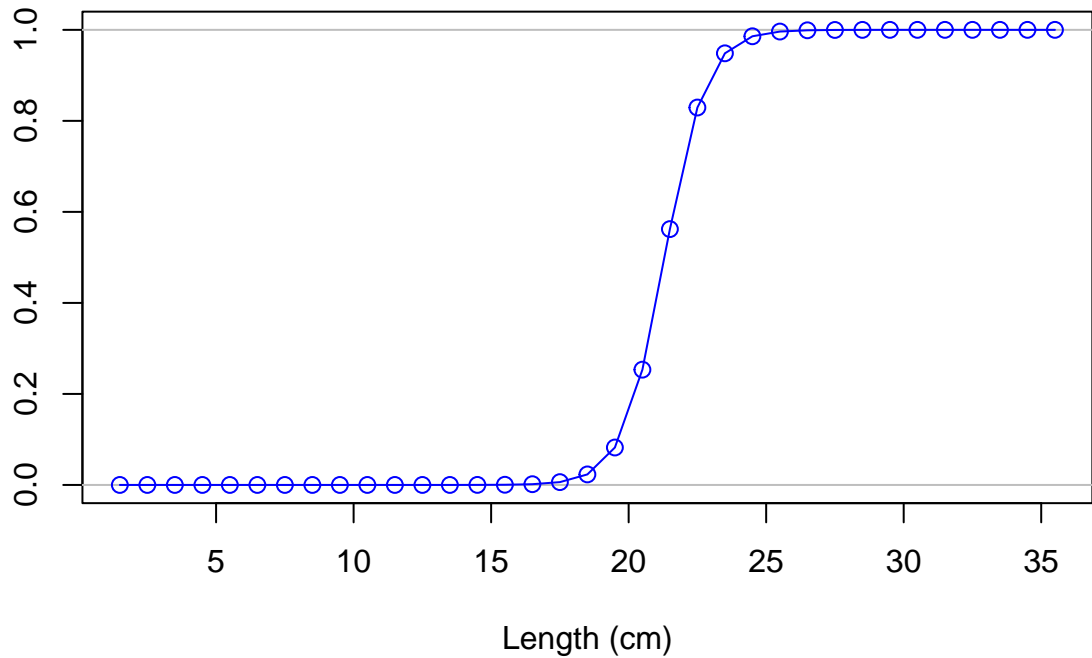


Selectivity

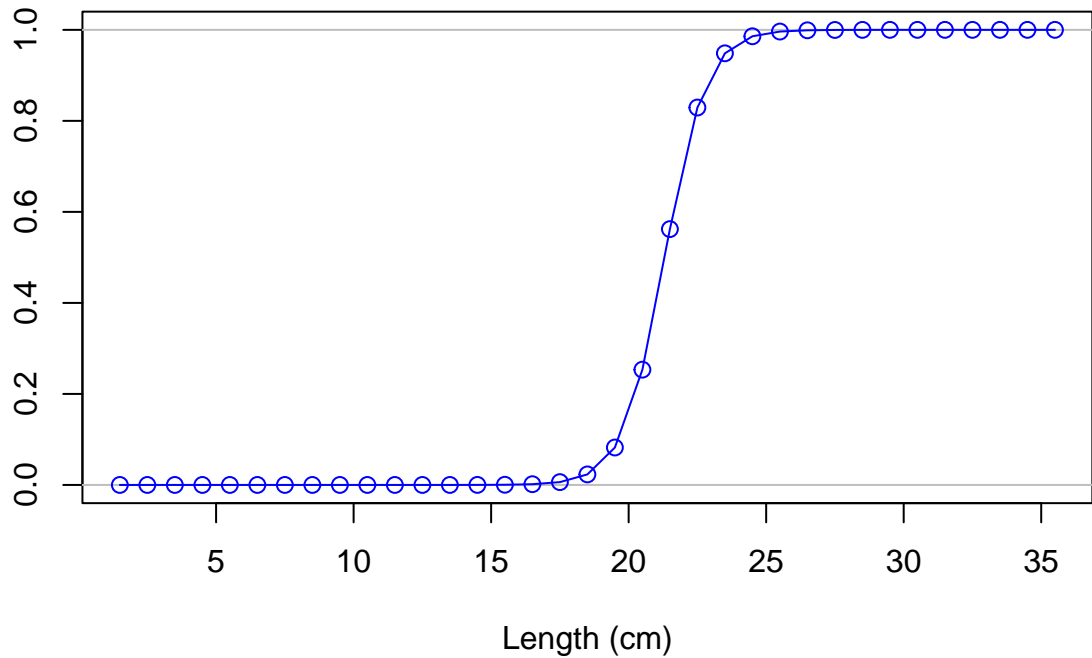


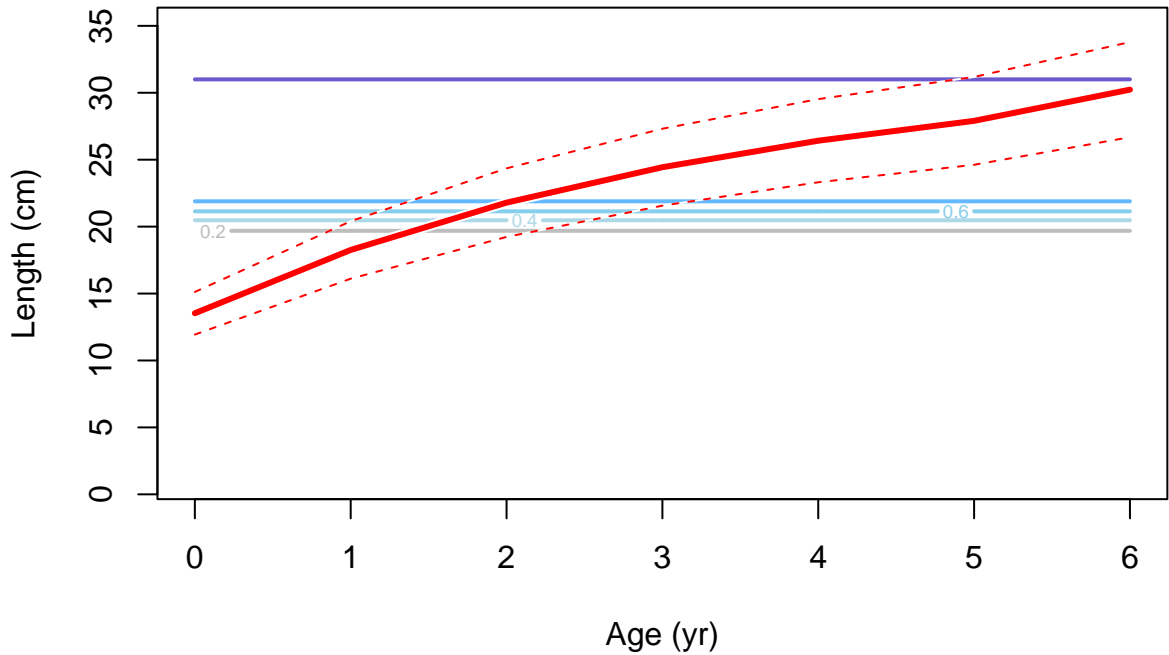
Age (yr)

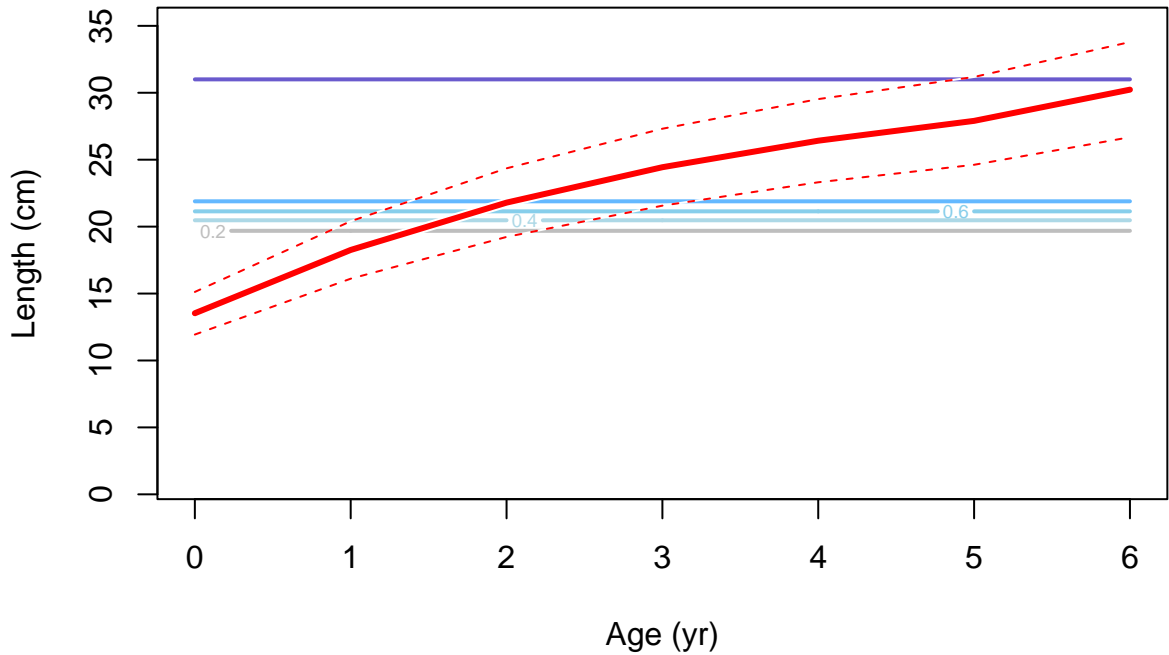
Selectivity



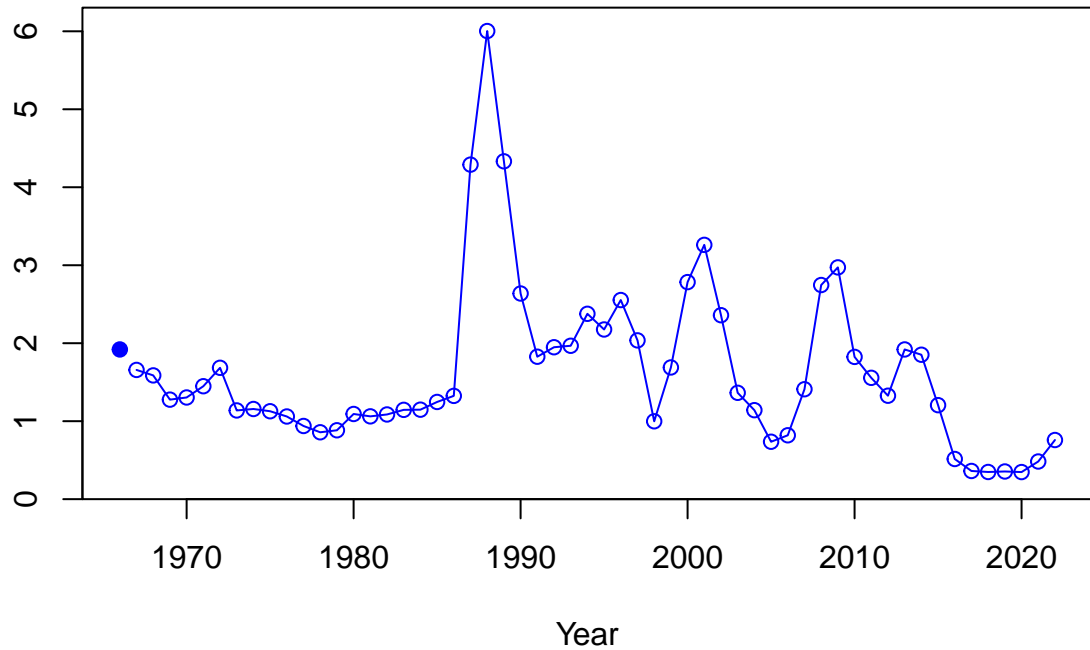
Selectivity



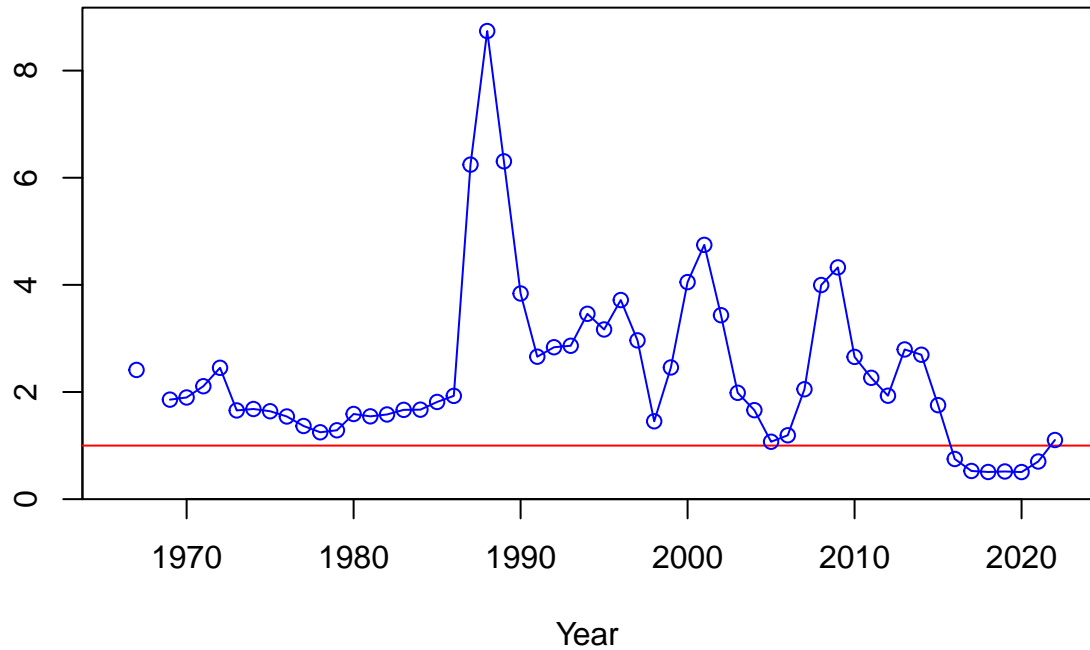


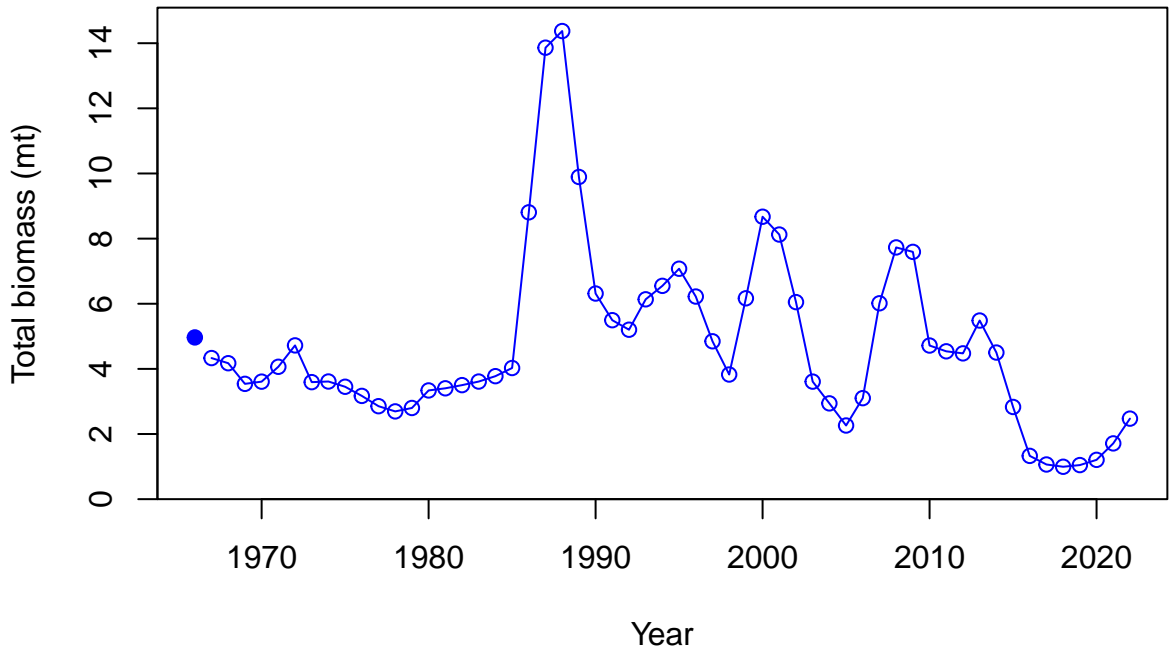


Spawning biomass (mt)

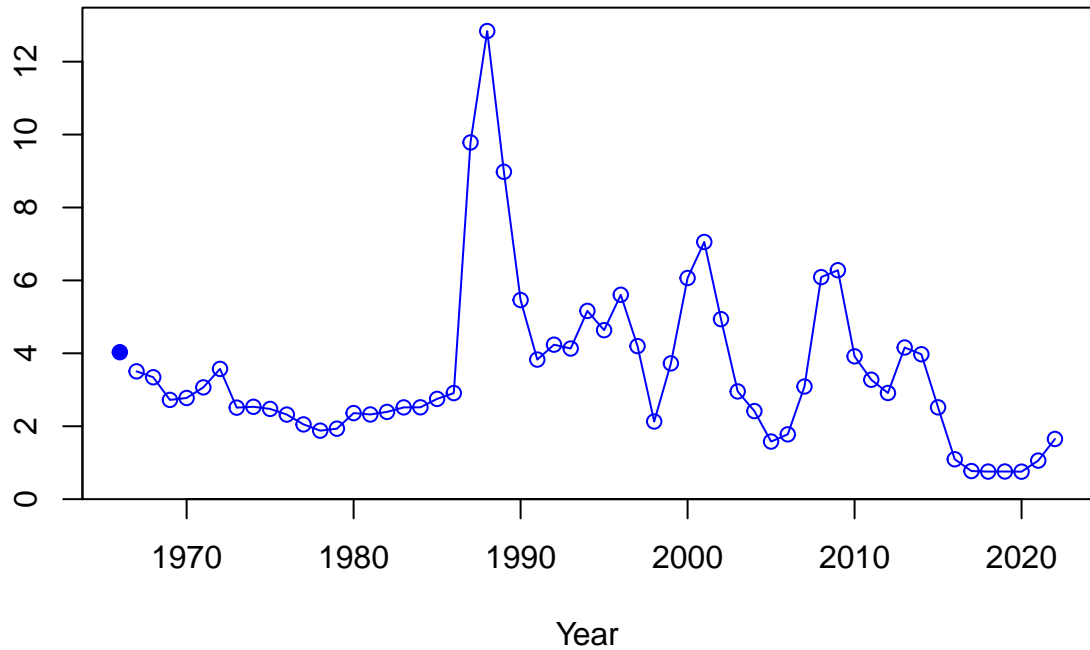


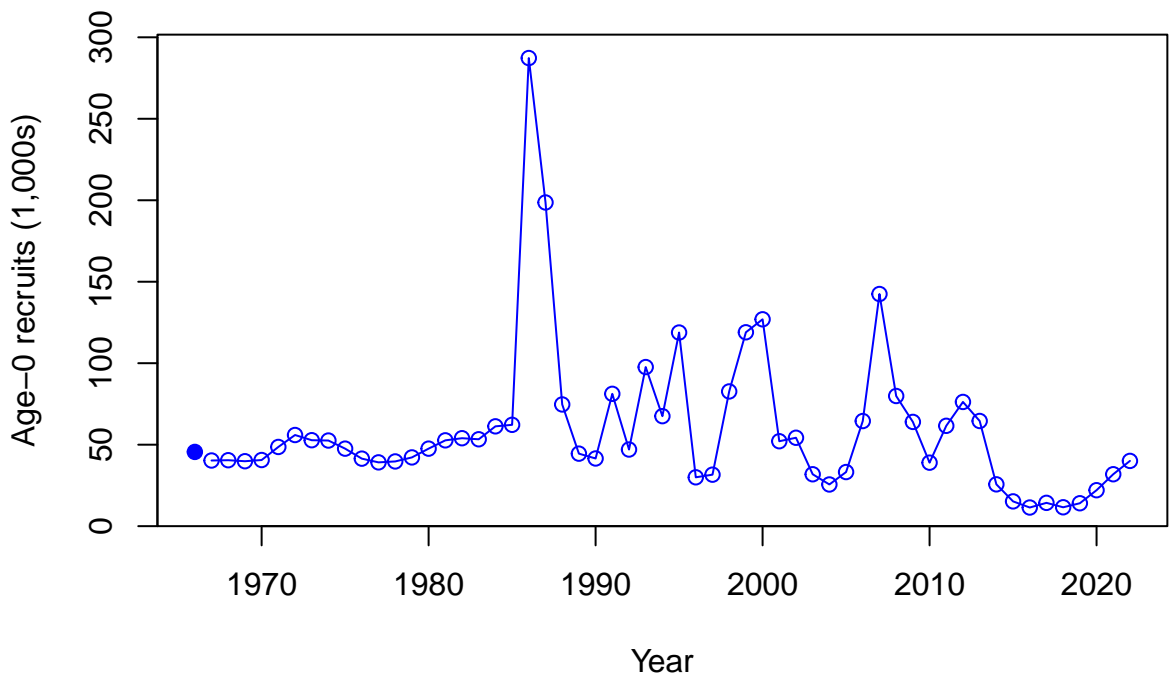
Relative spawning biomass: B/B_{MSY}



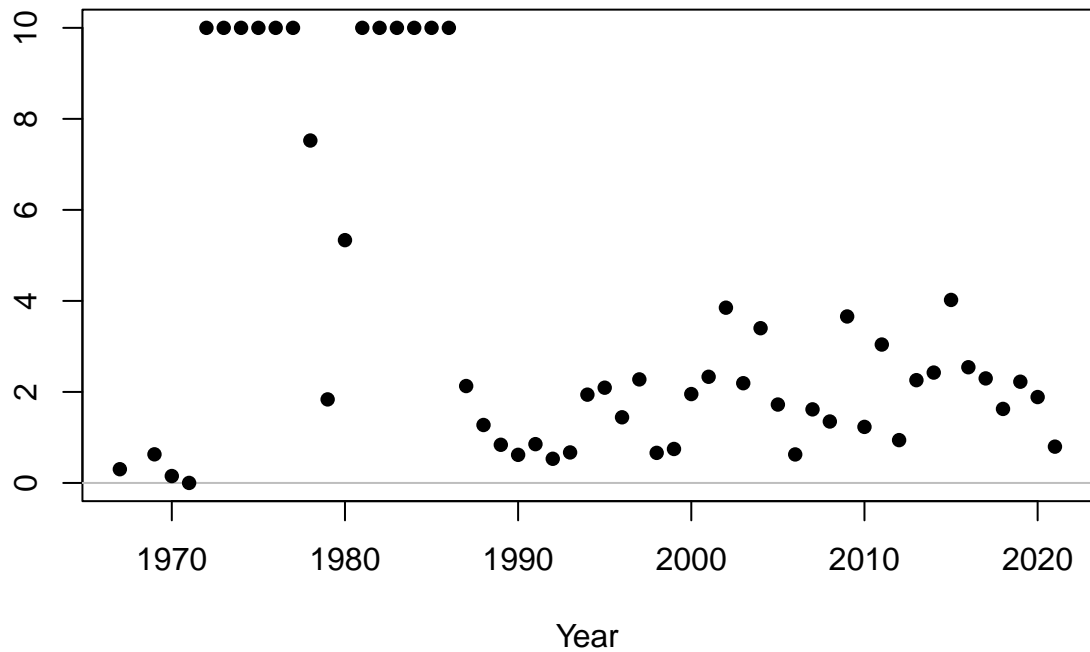


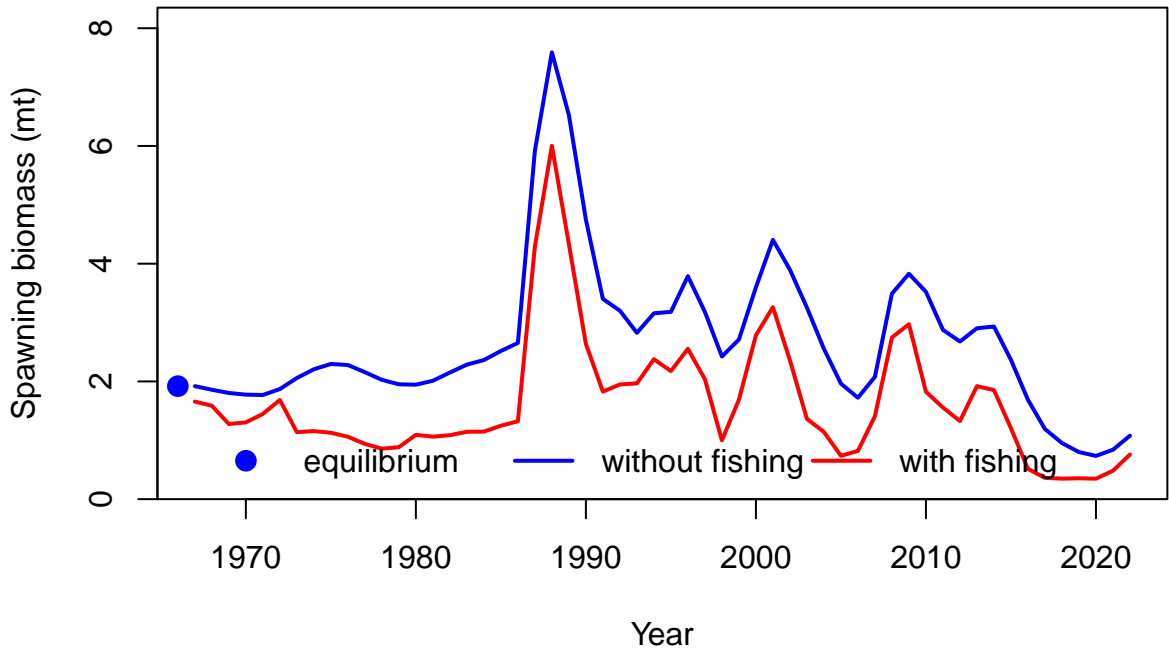
Summary biomass (mt)



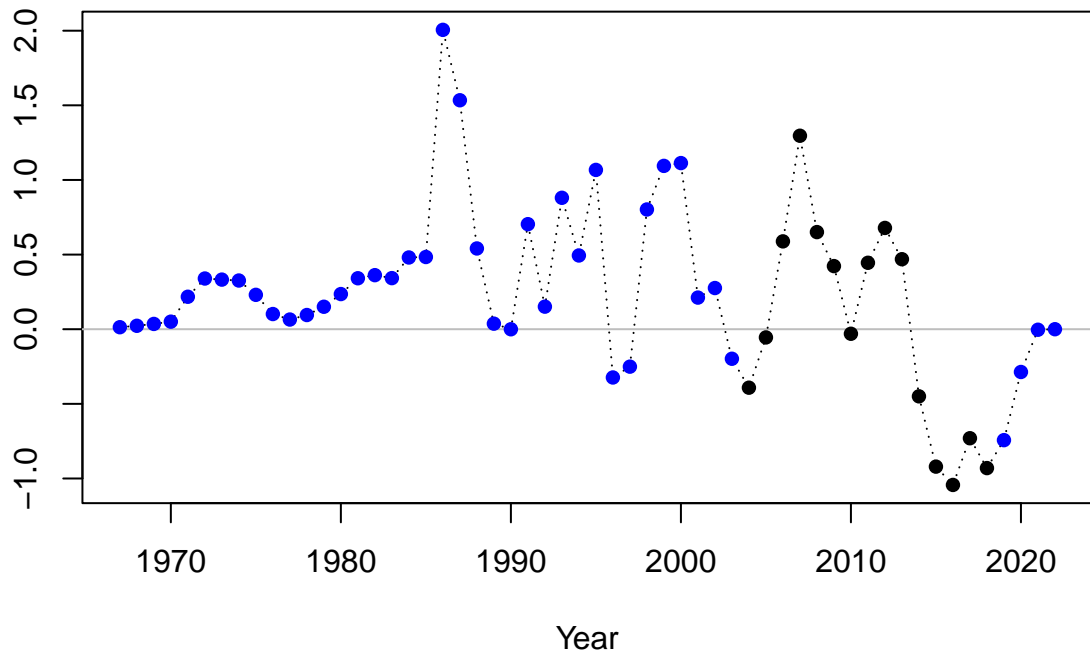


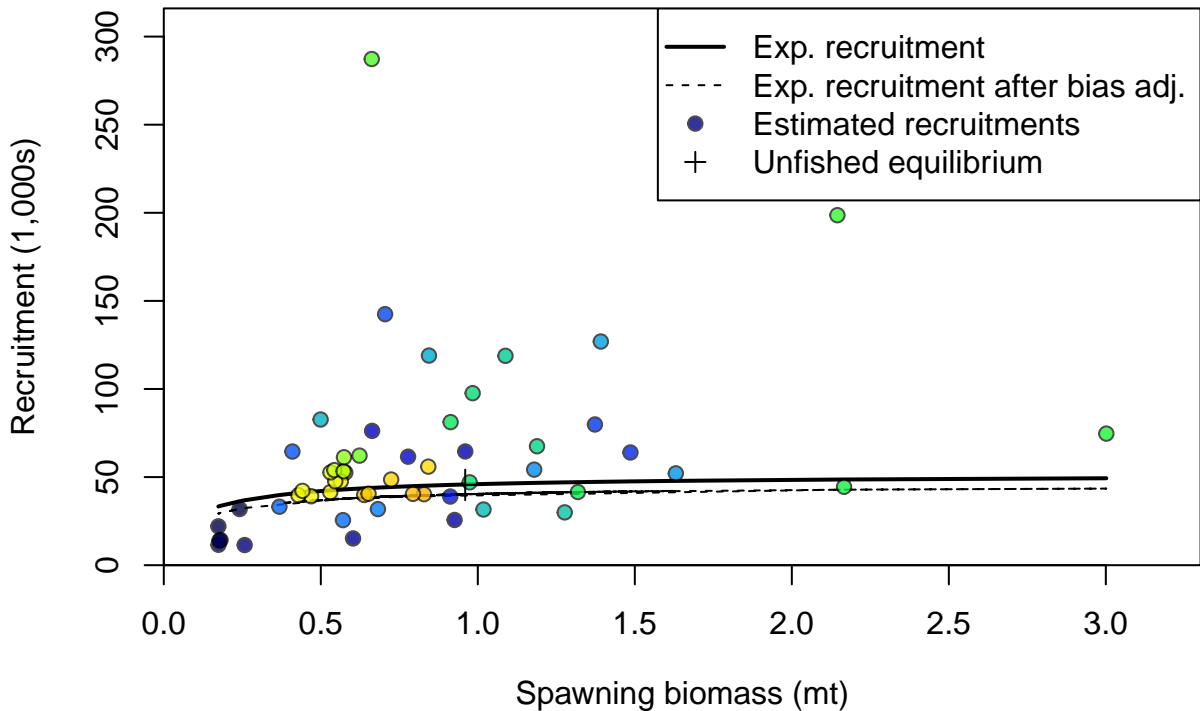
Summary Fishing Mortality

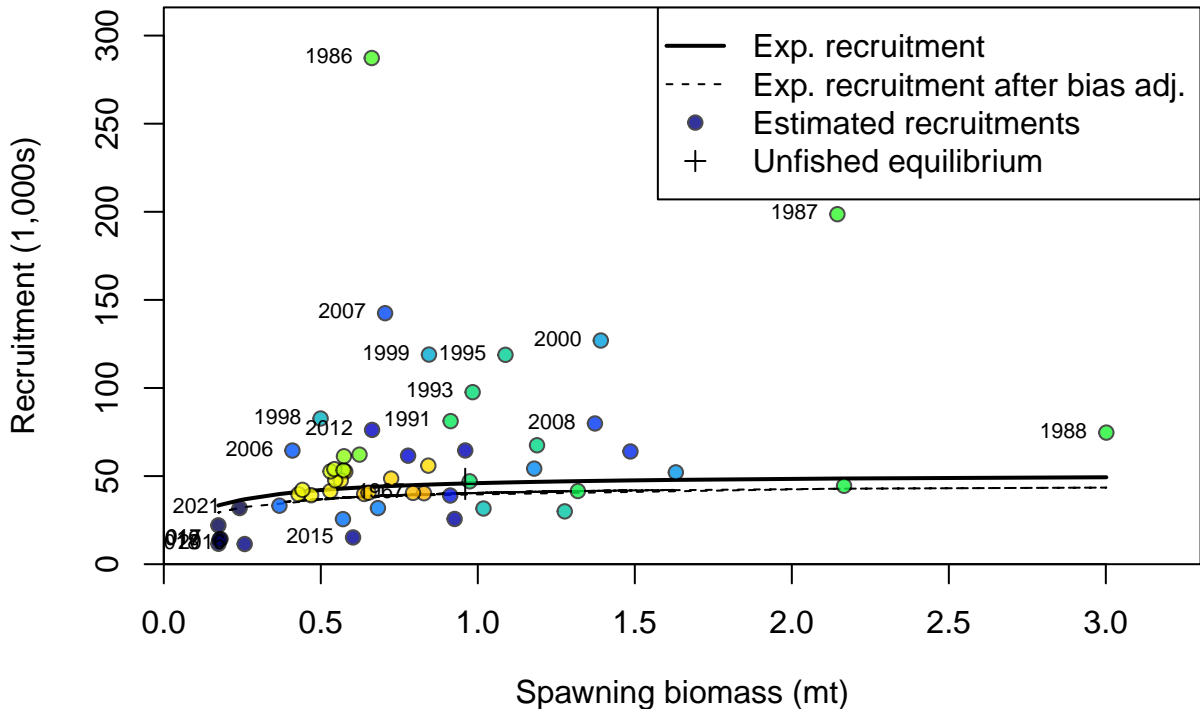




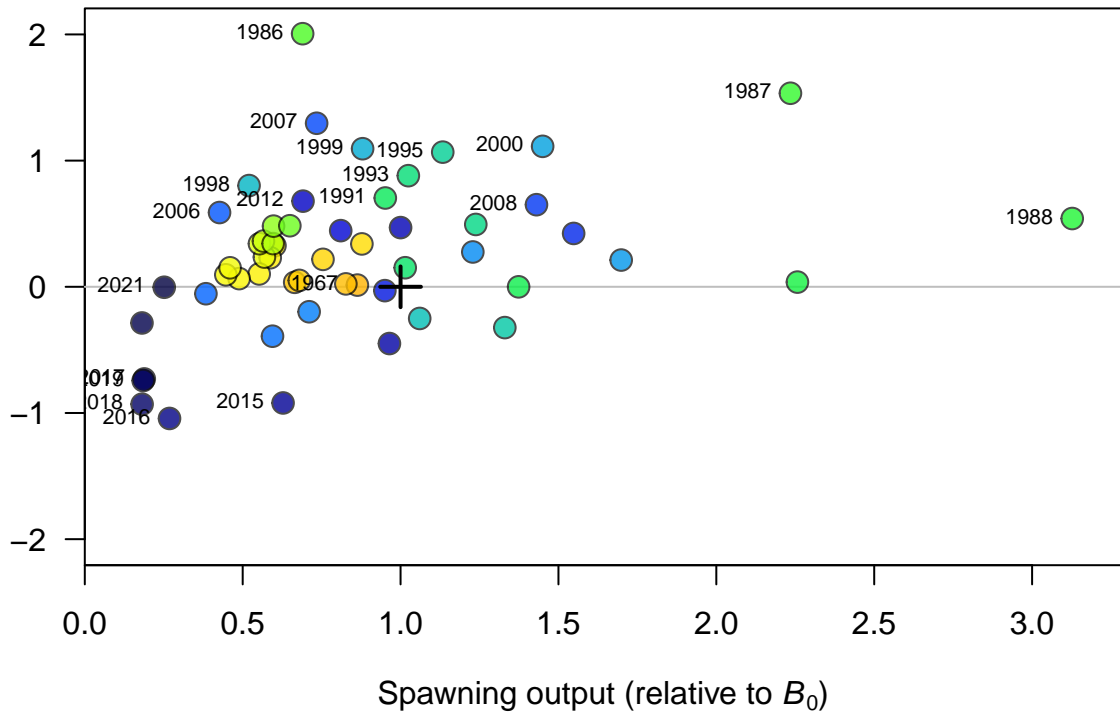
Log recruitment deviation

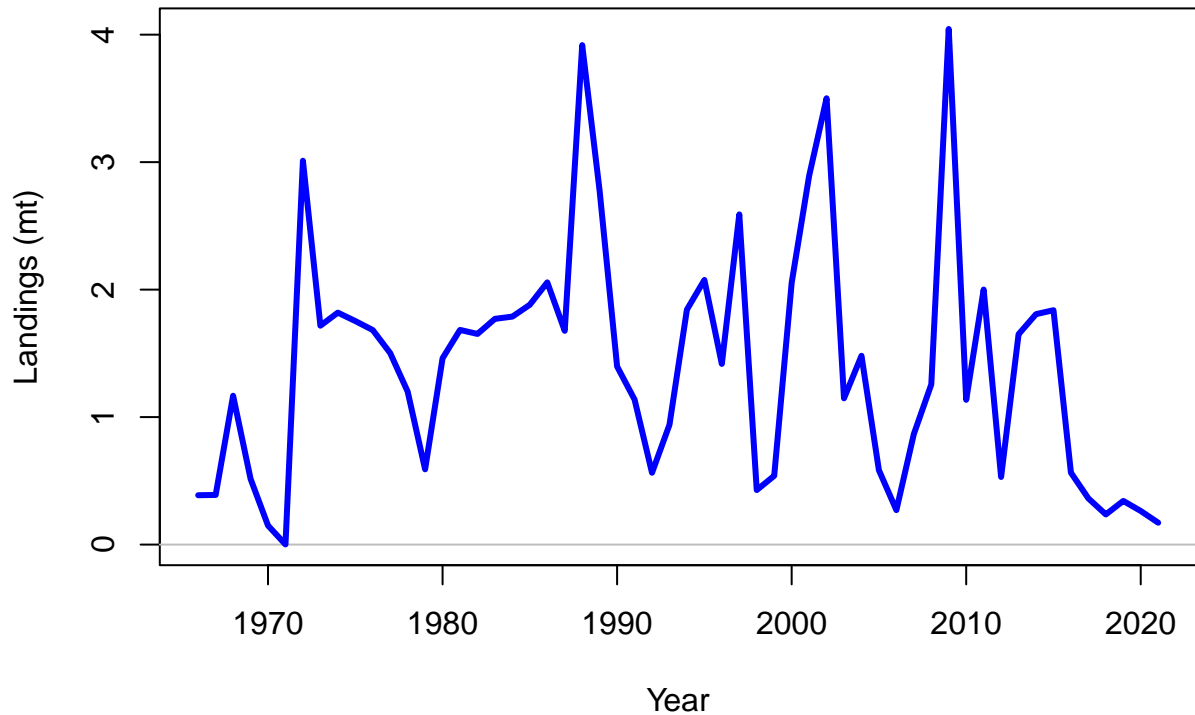


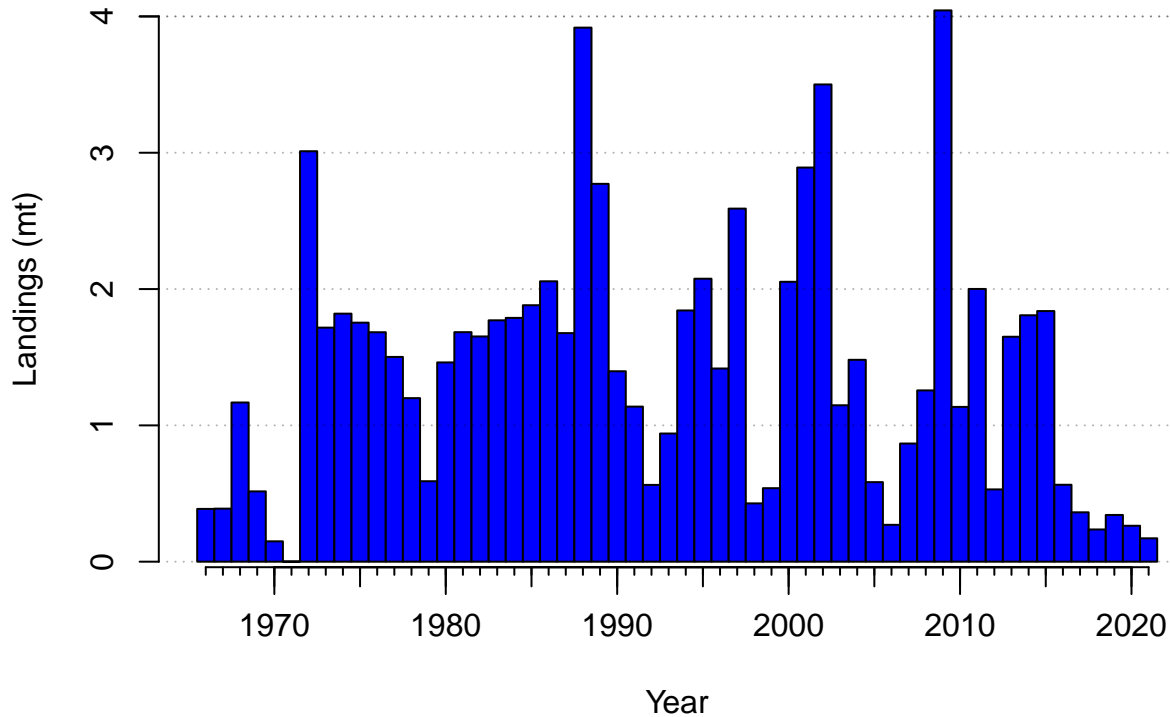




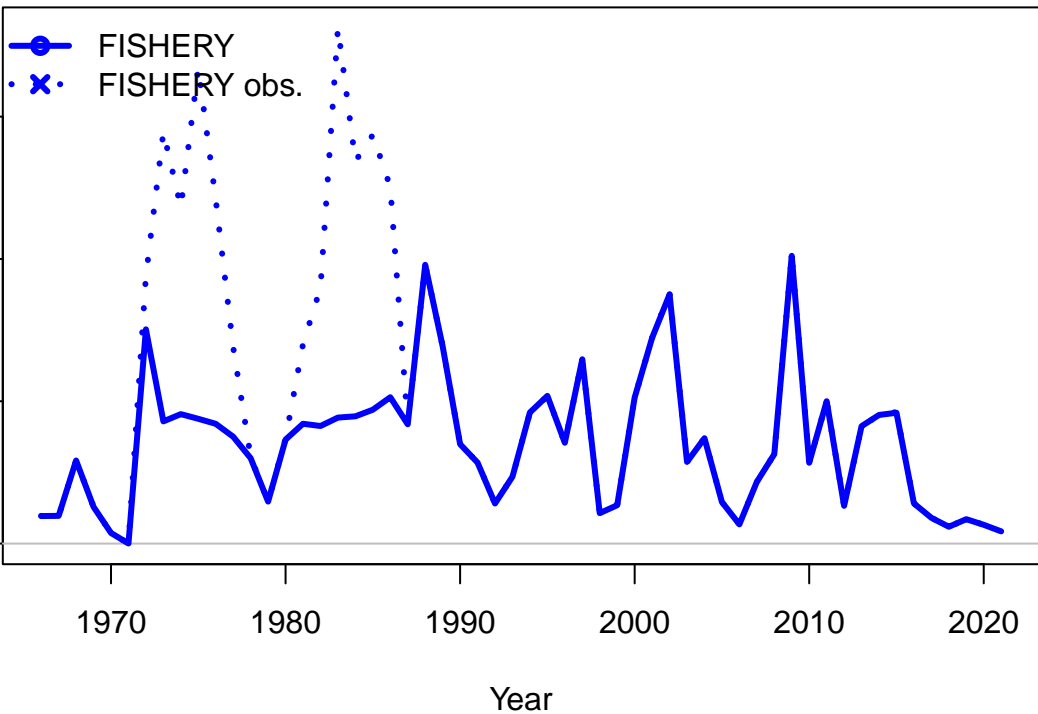
Log recruitment deviation

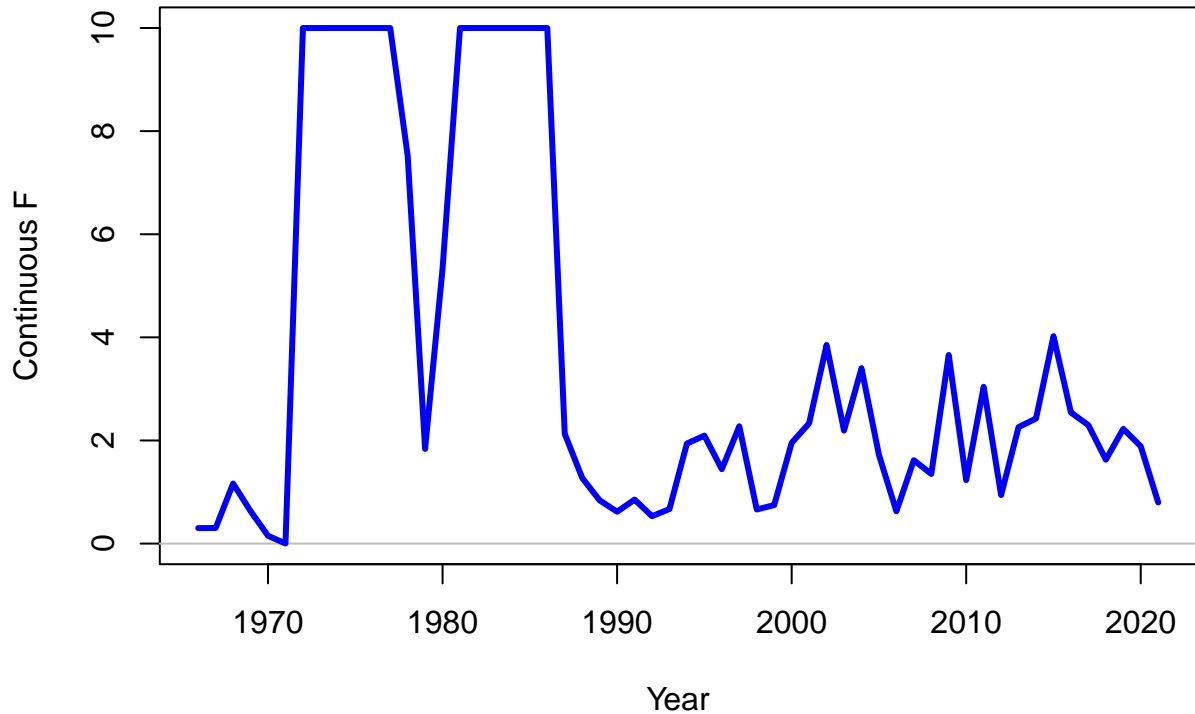




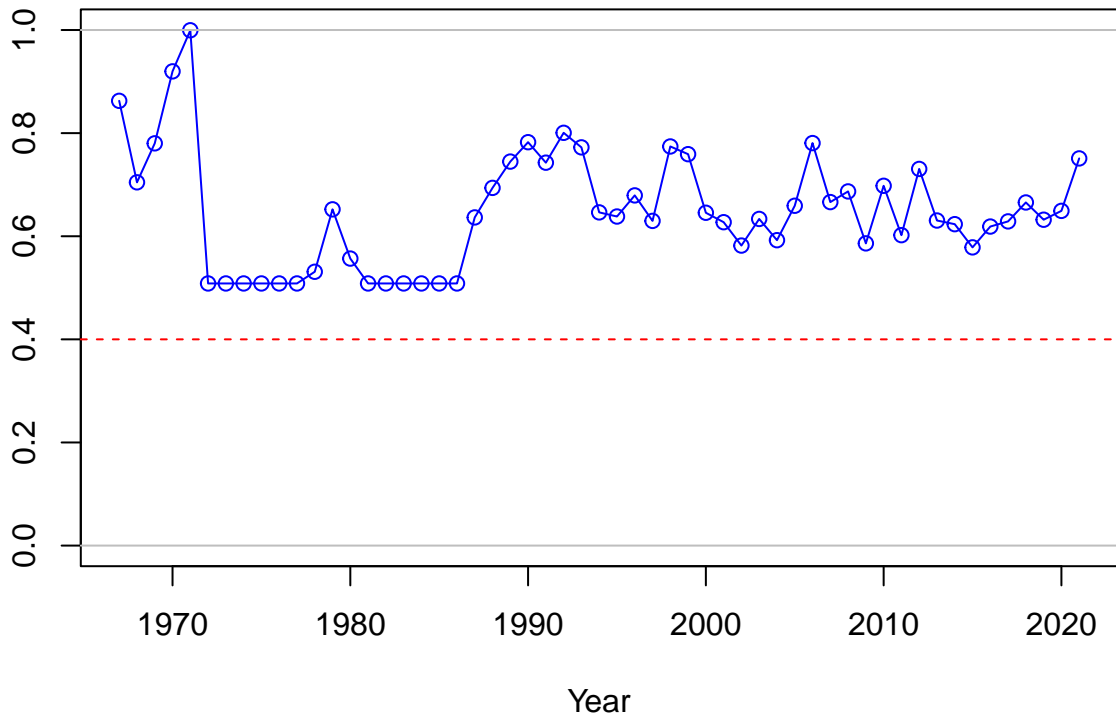


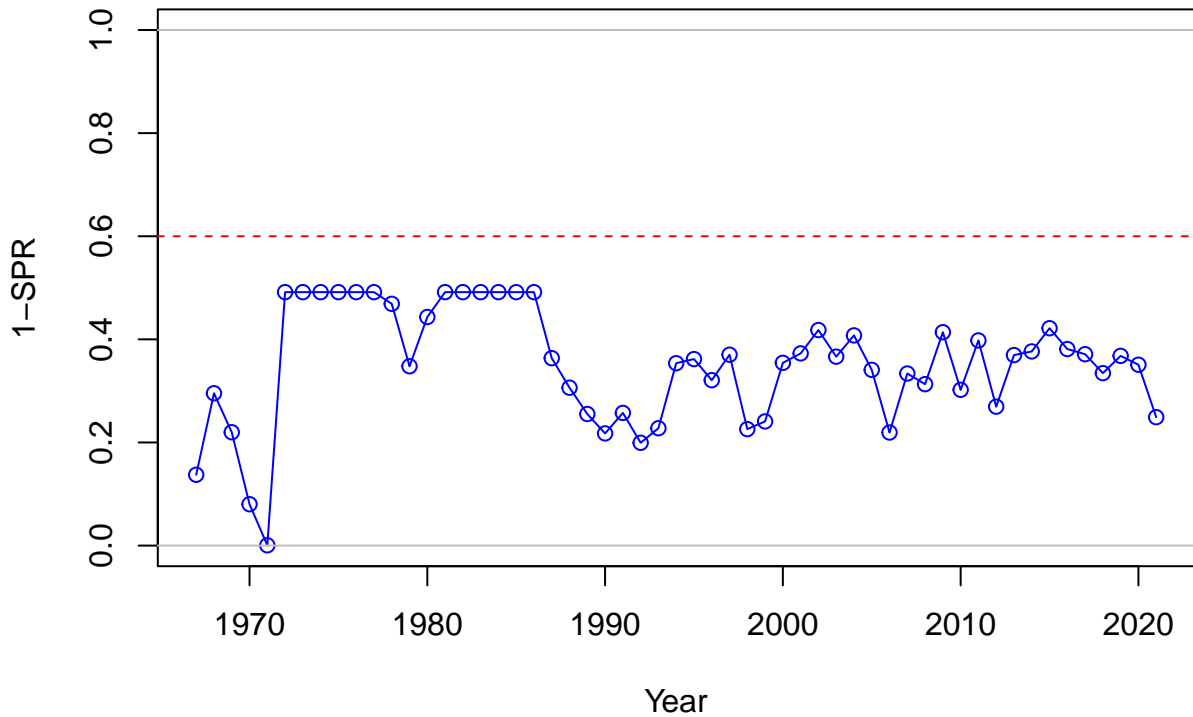
Observed and expected Landings (mt)



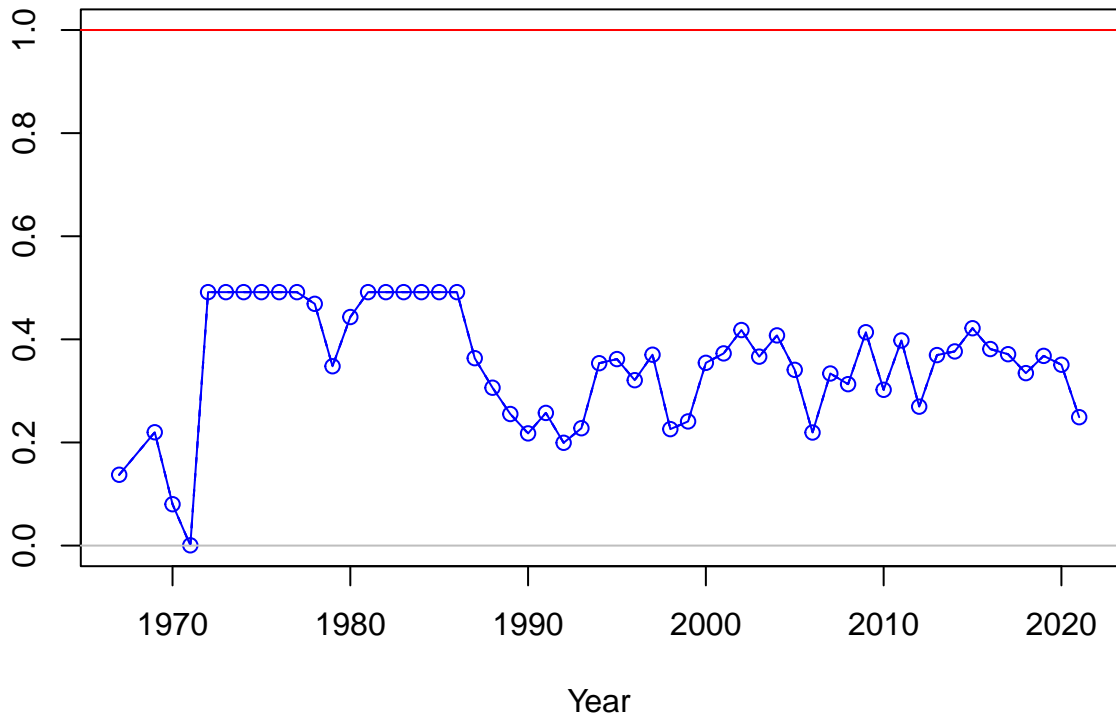


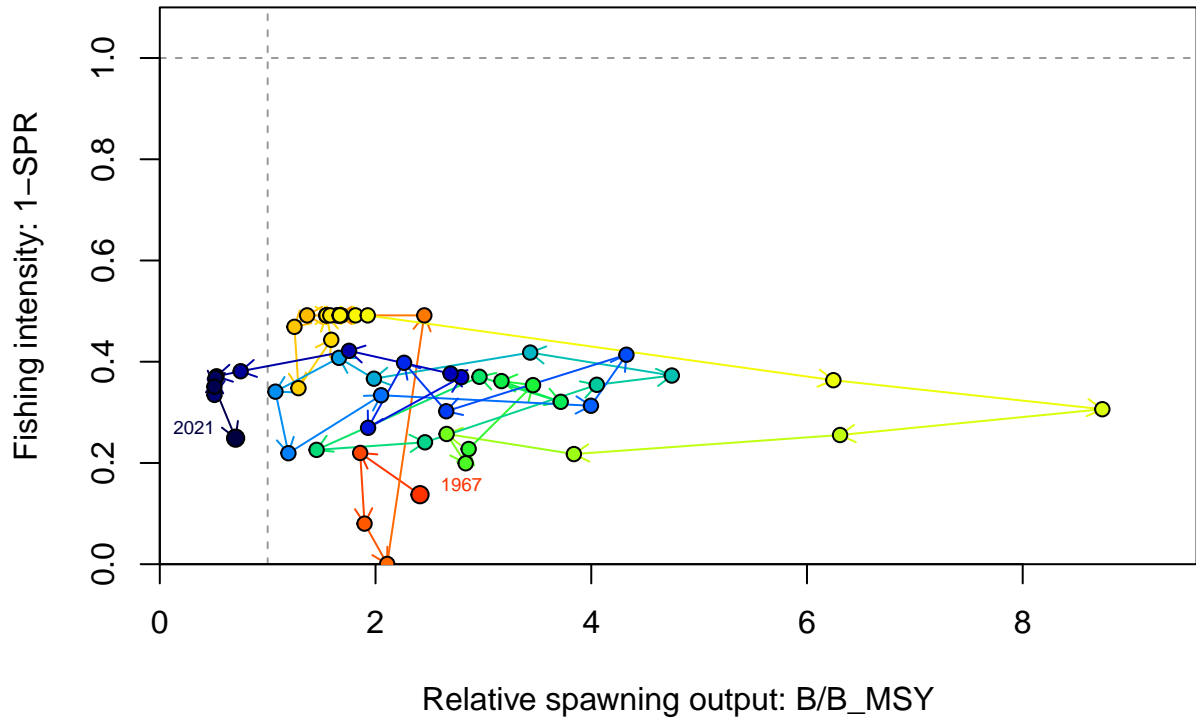
SPR



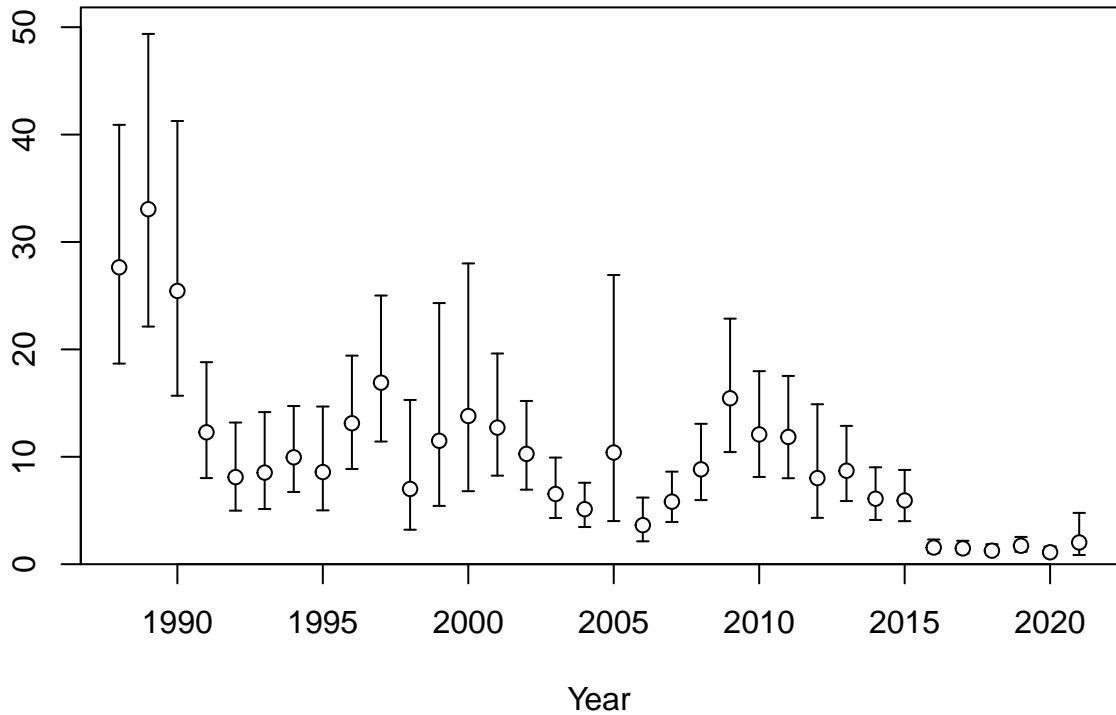


Fishing intensity: 1-SPR

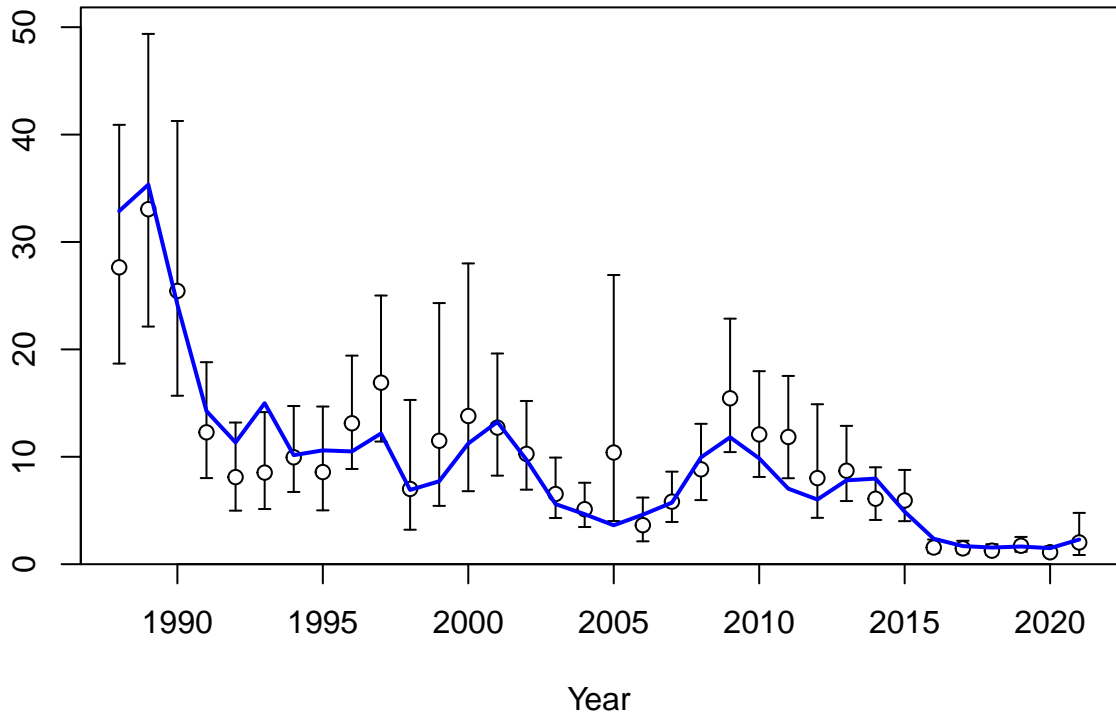




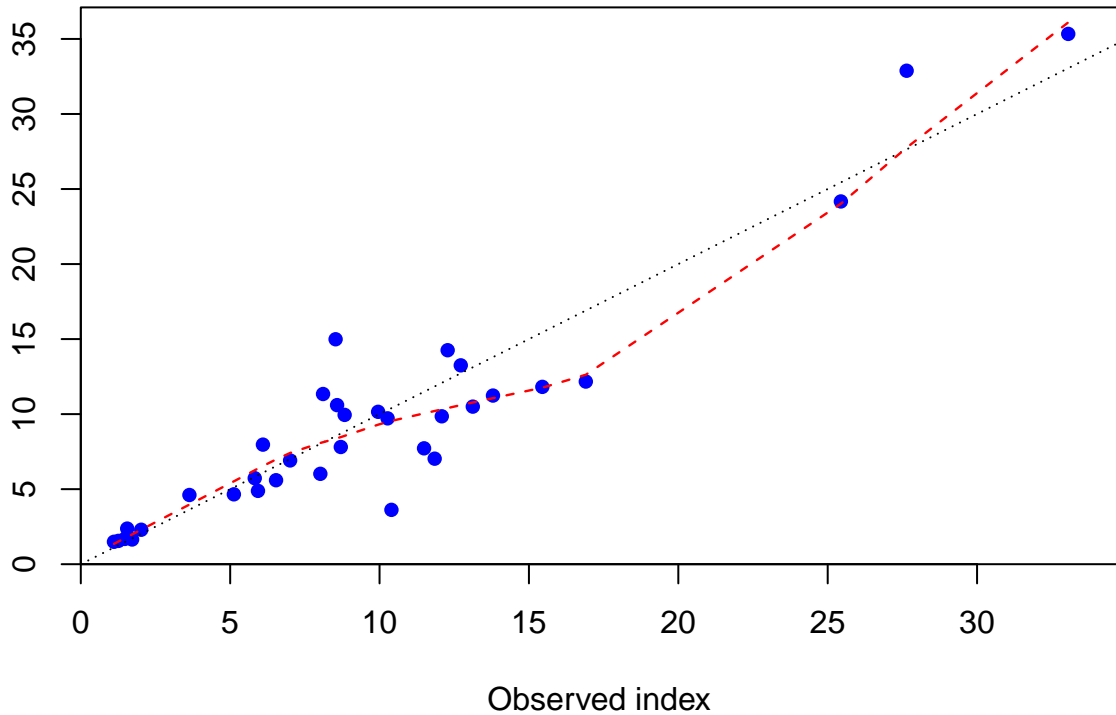
Index



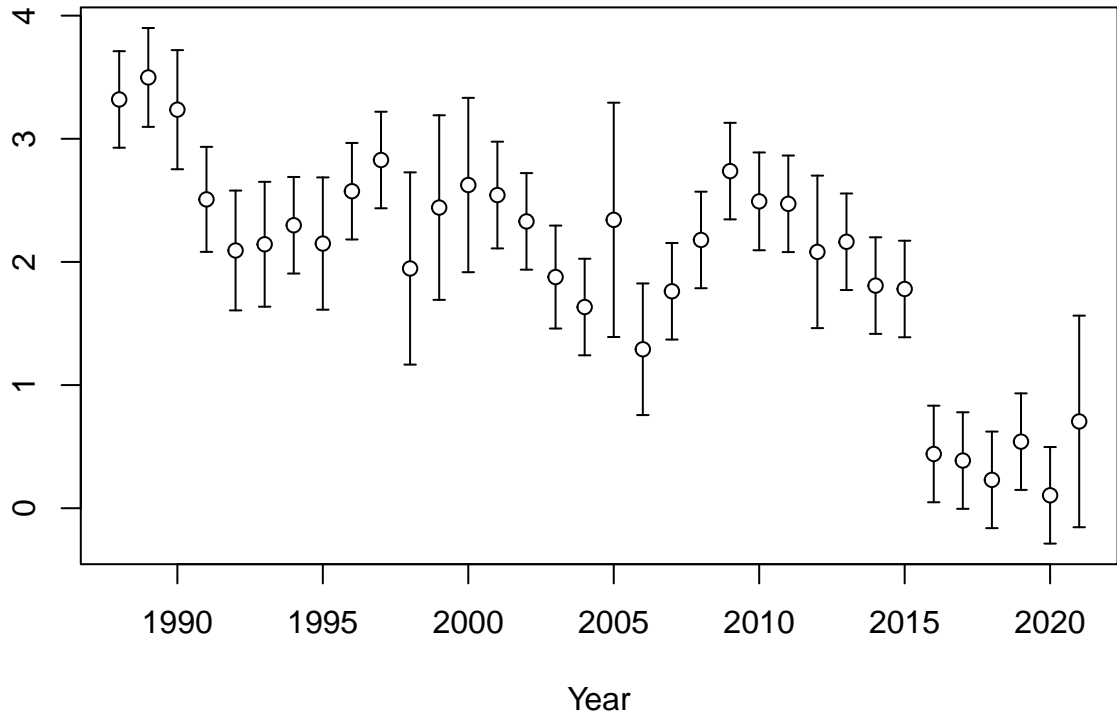
Index



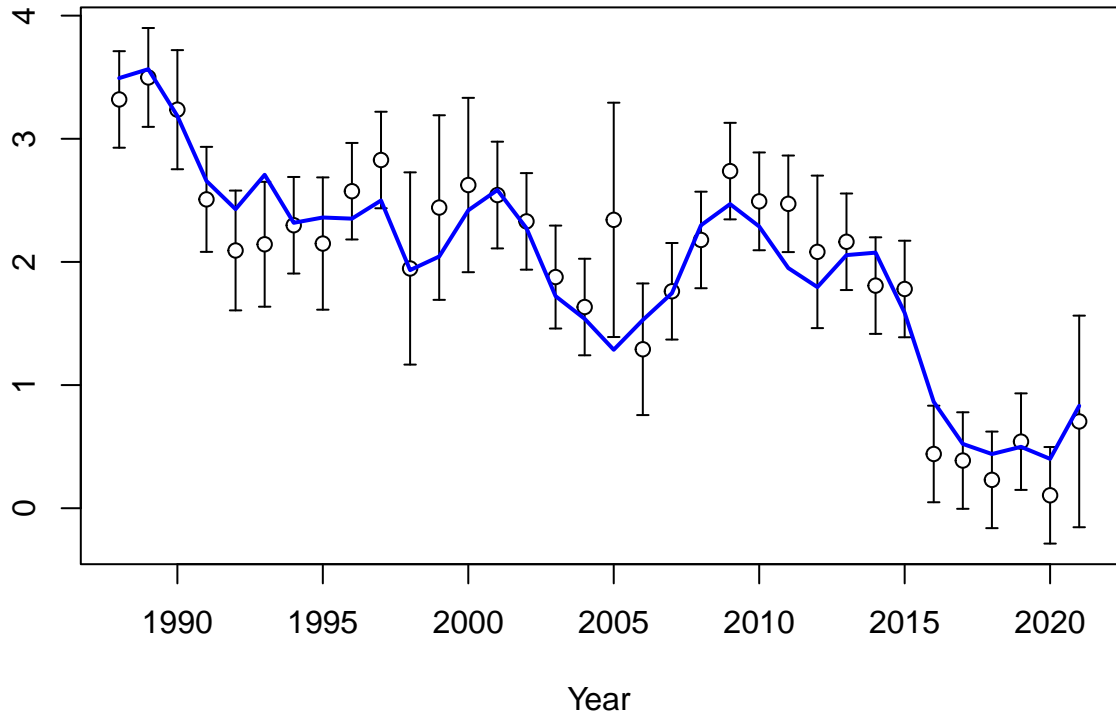
Expected index

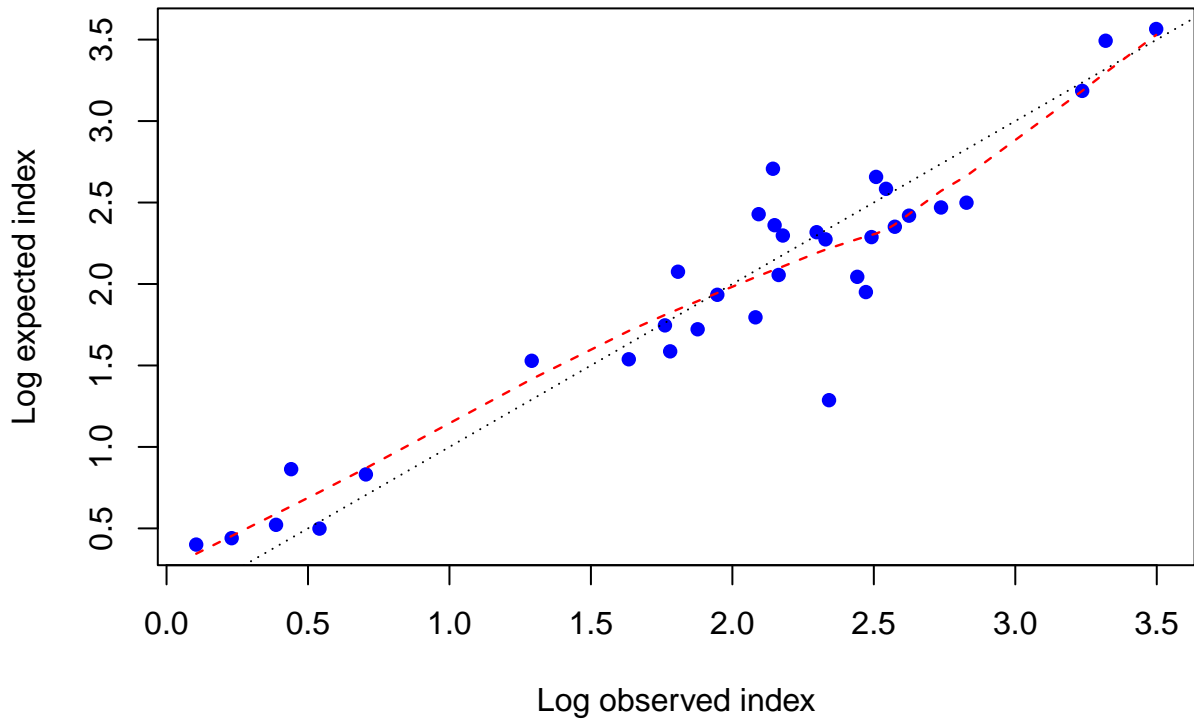


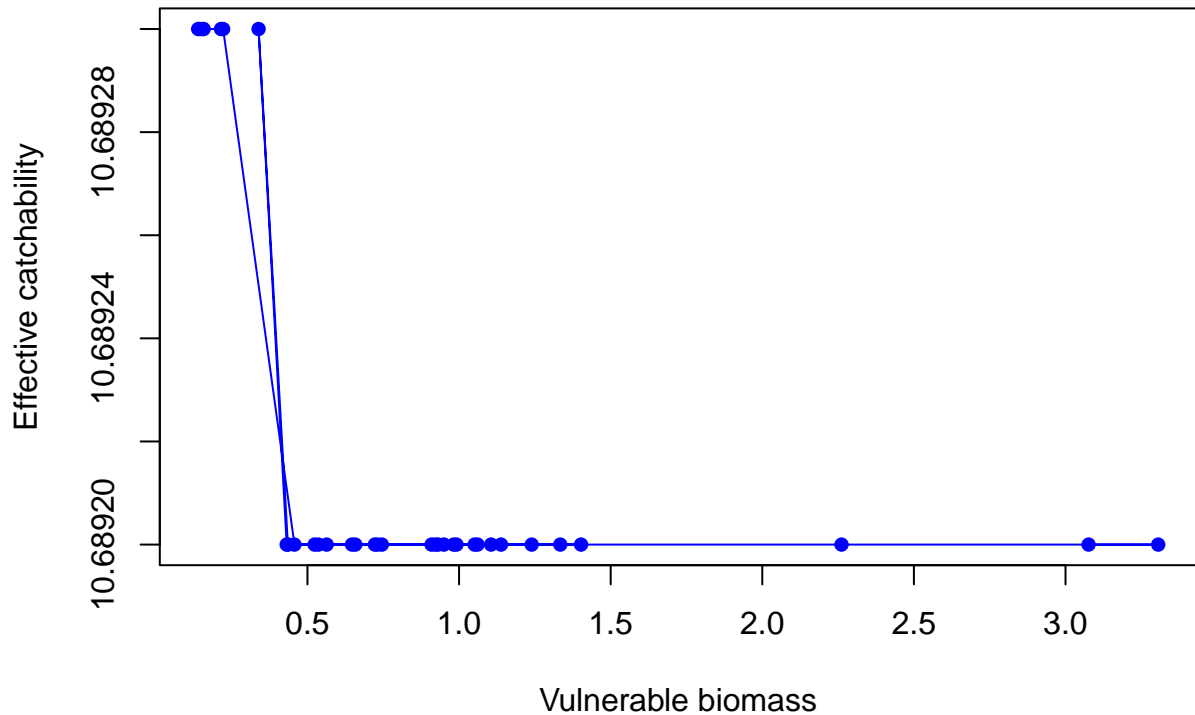
Log index

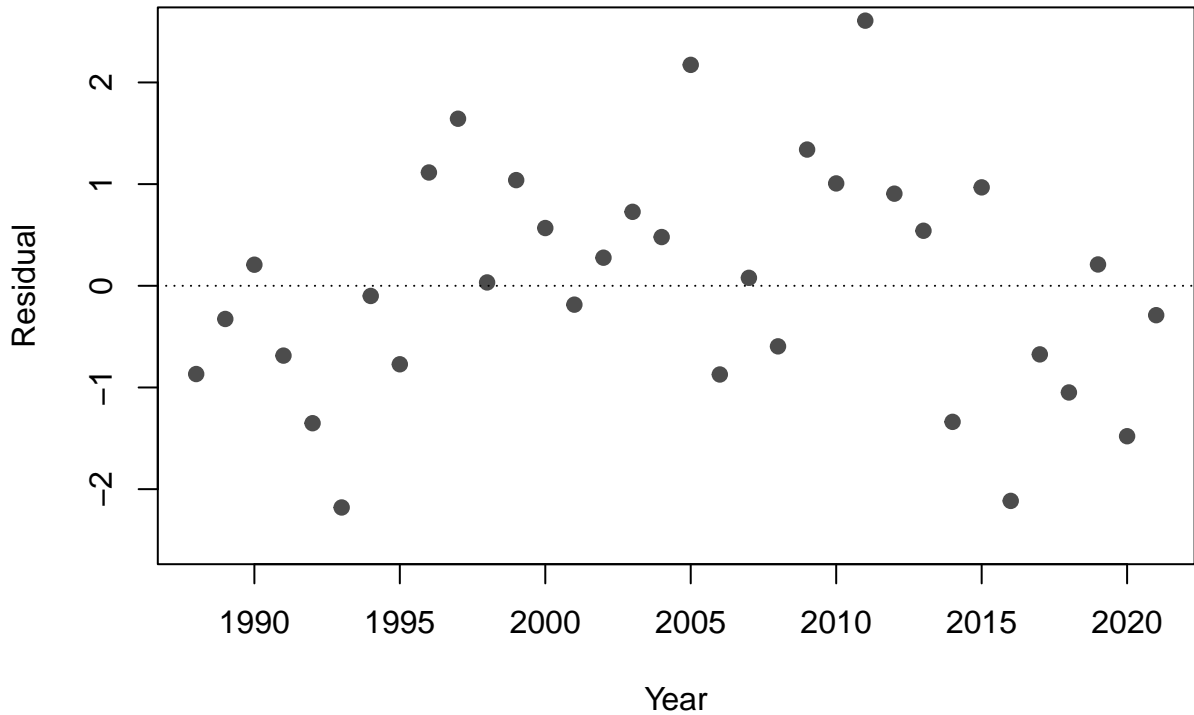


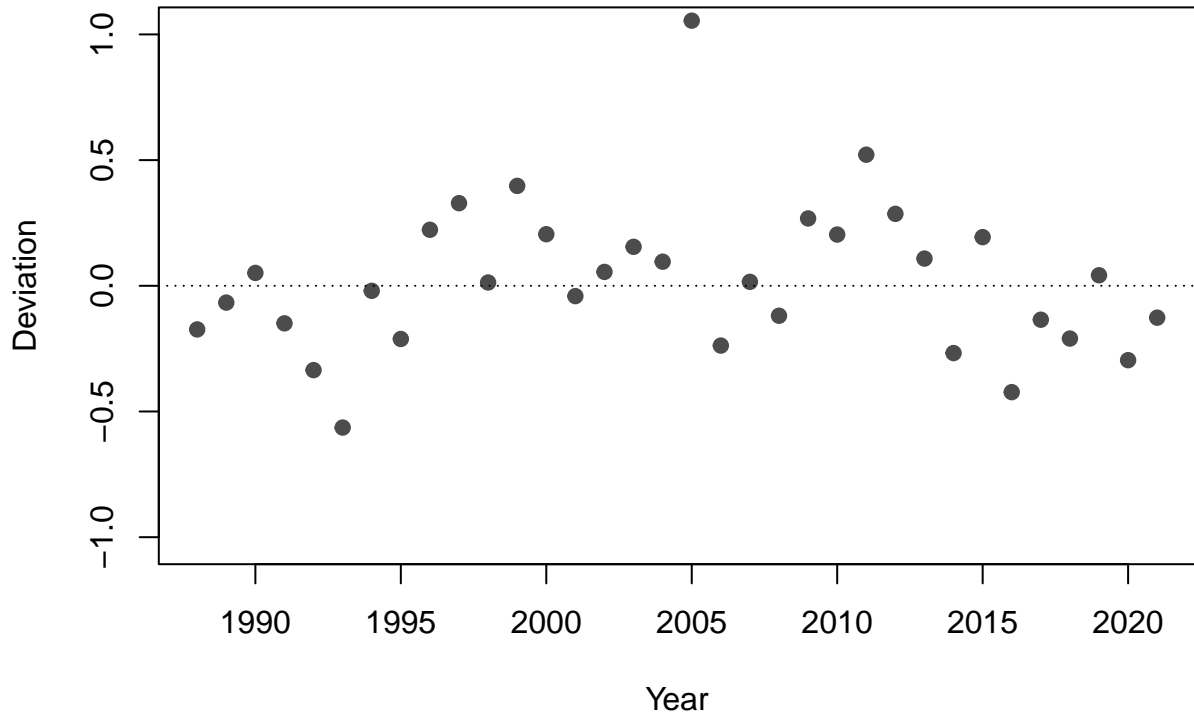
Log index

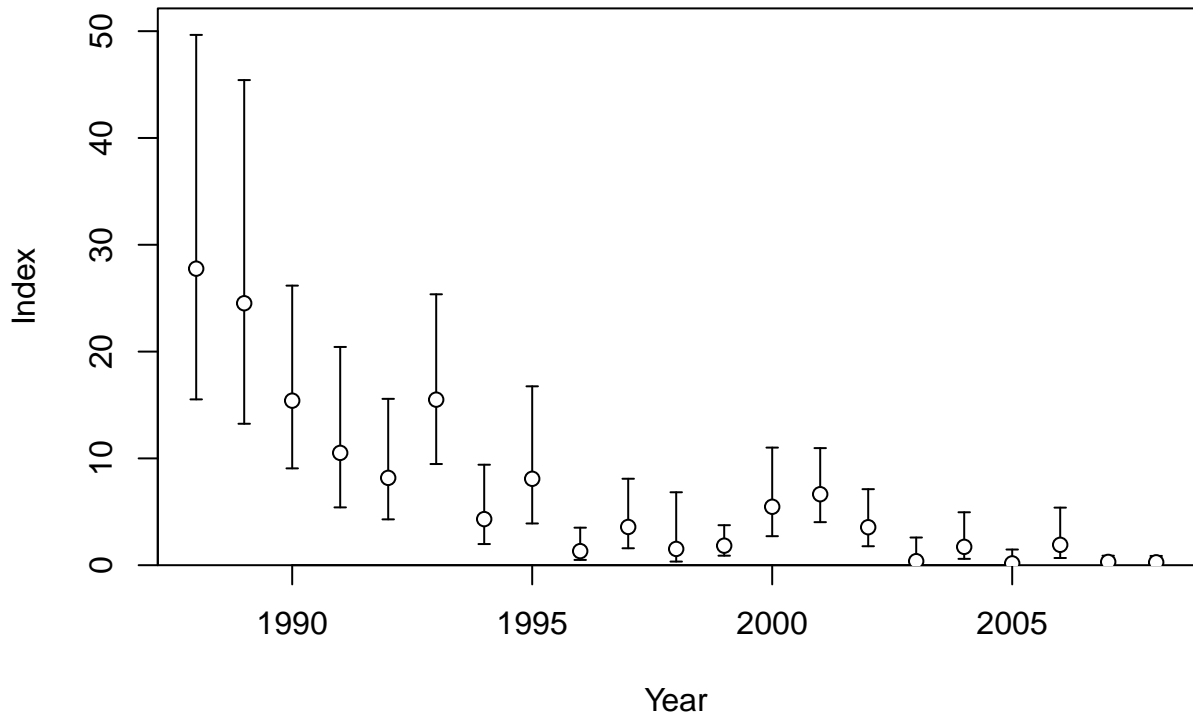


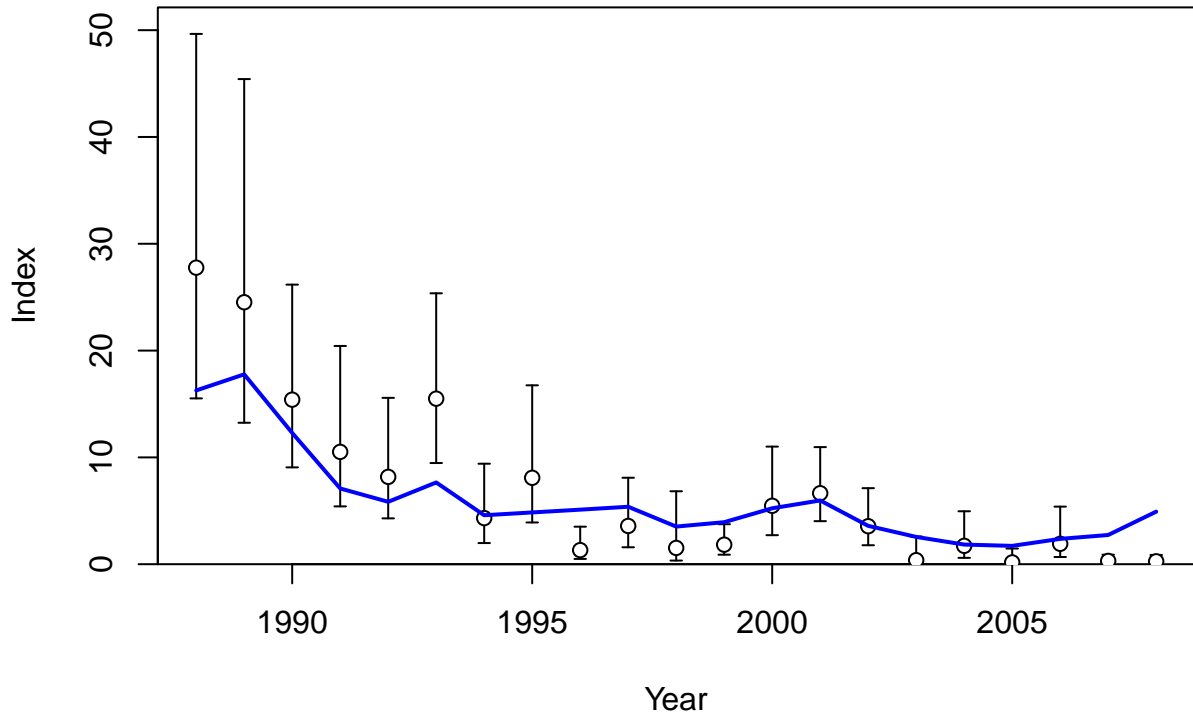


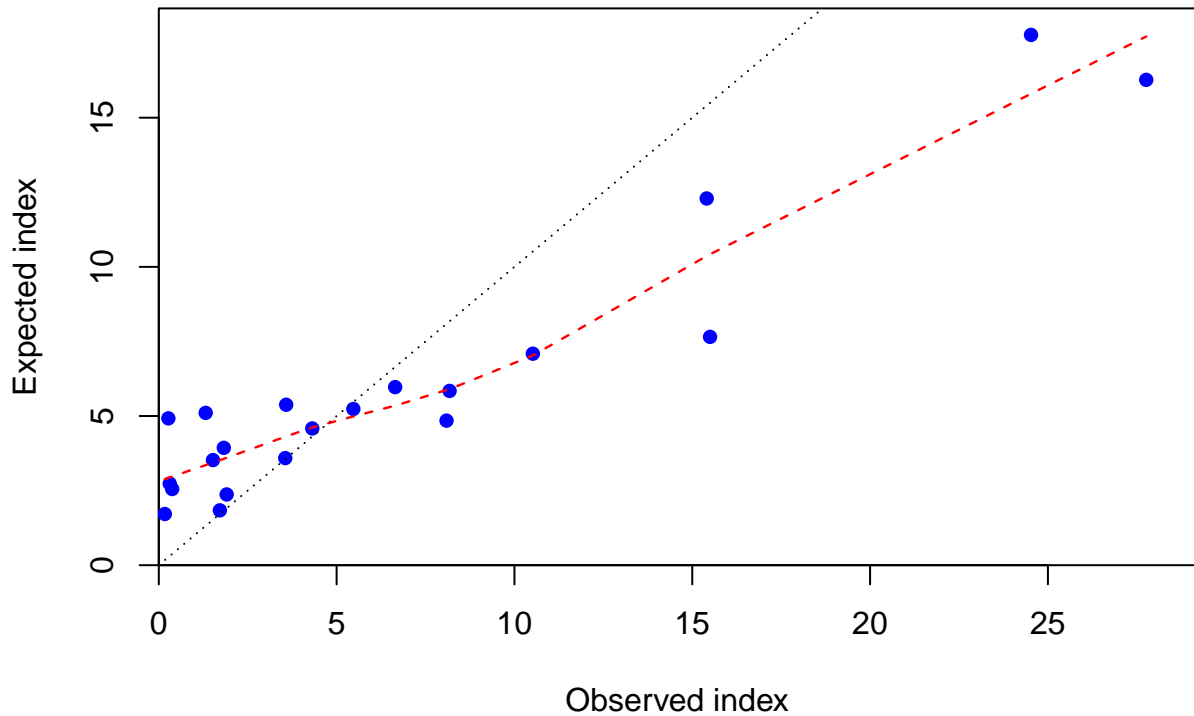


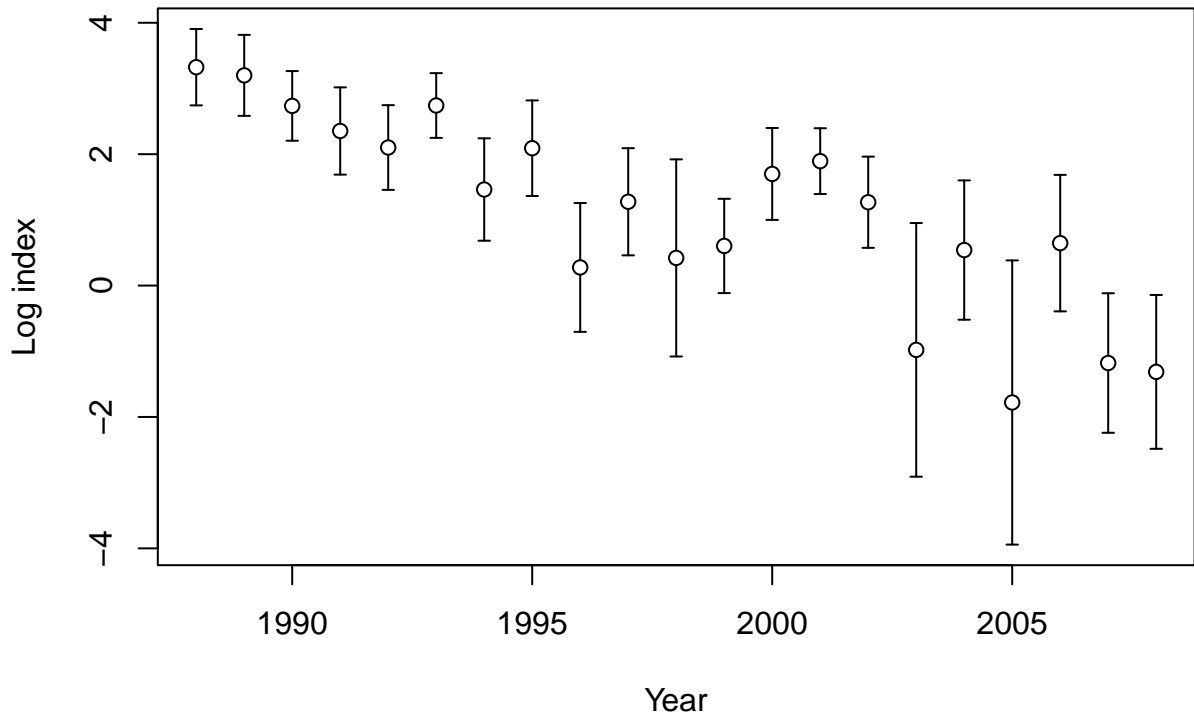


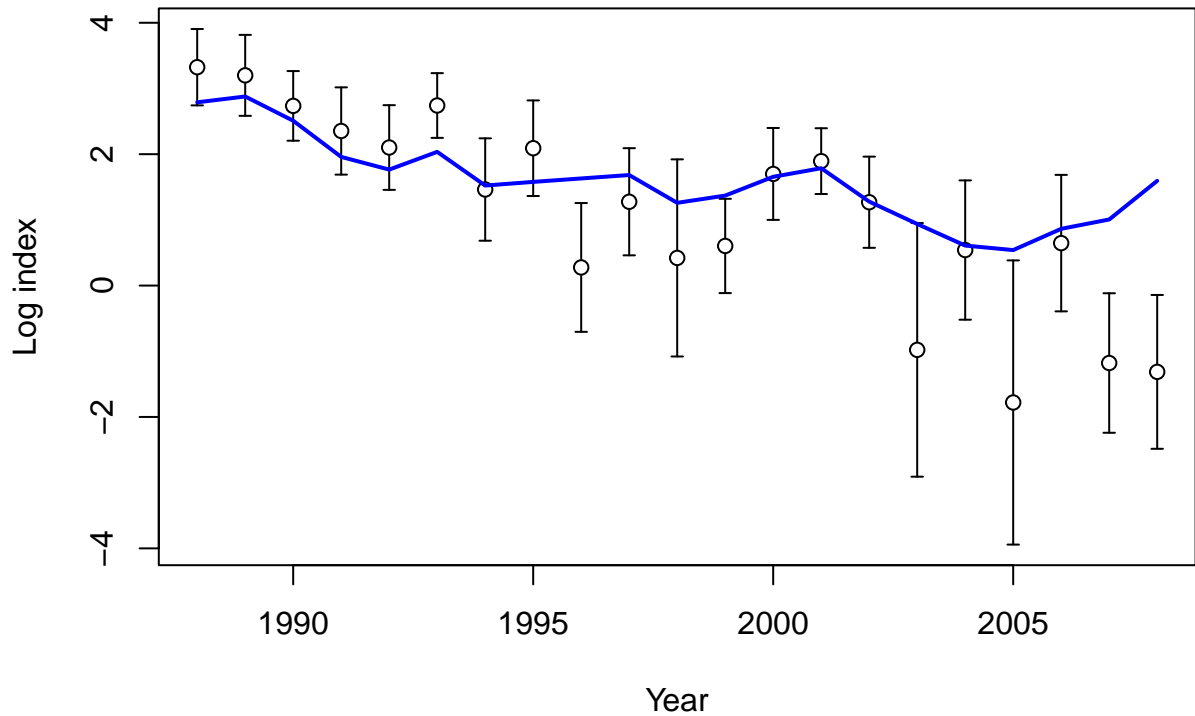


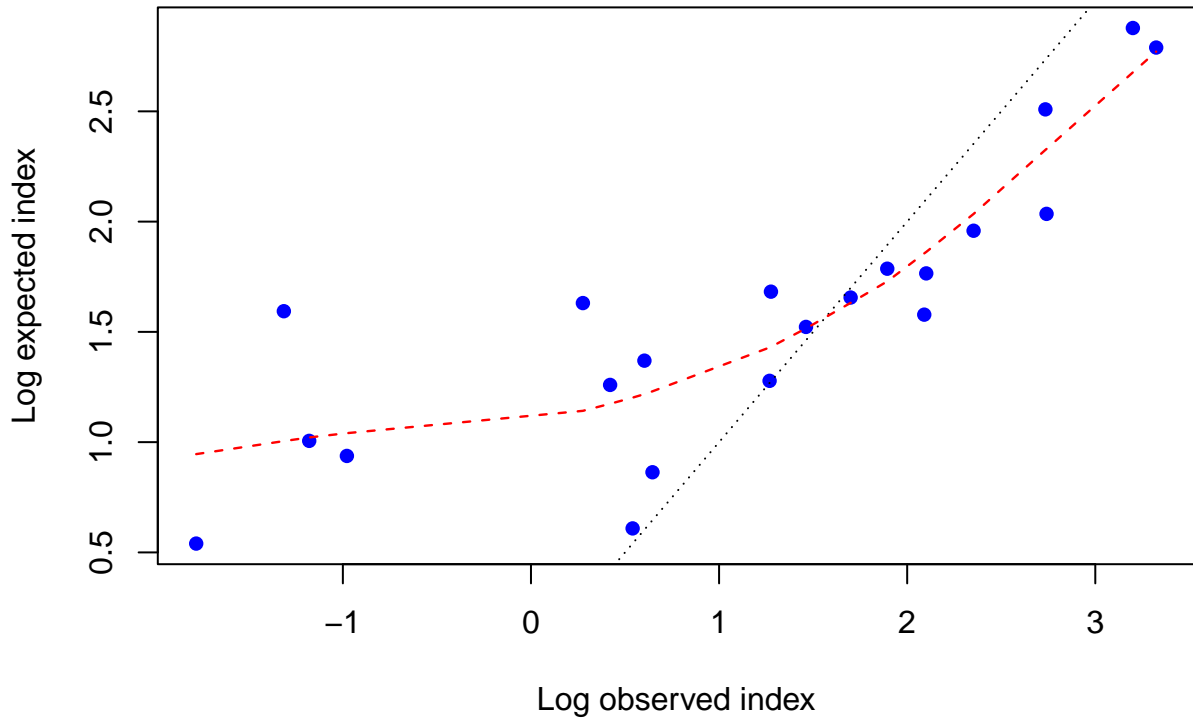




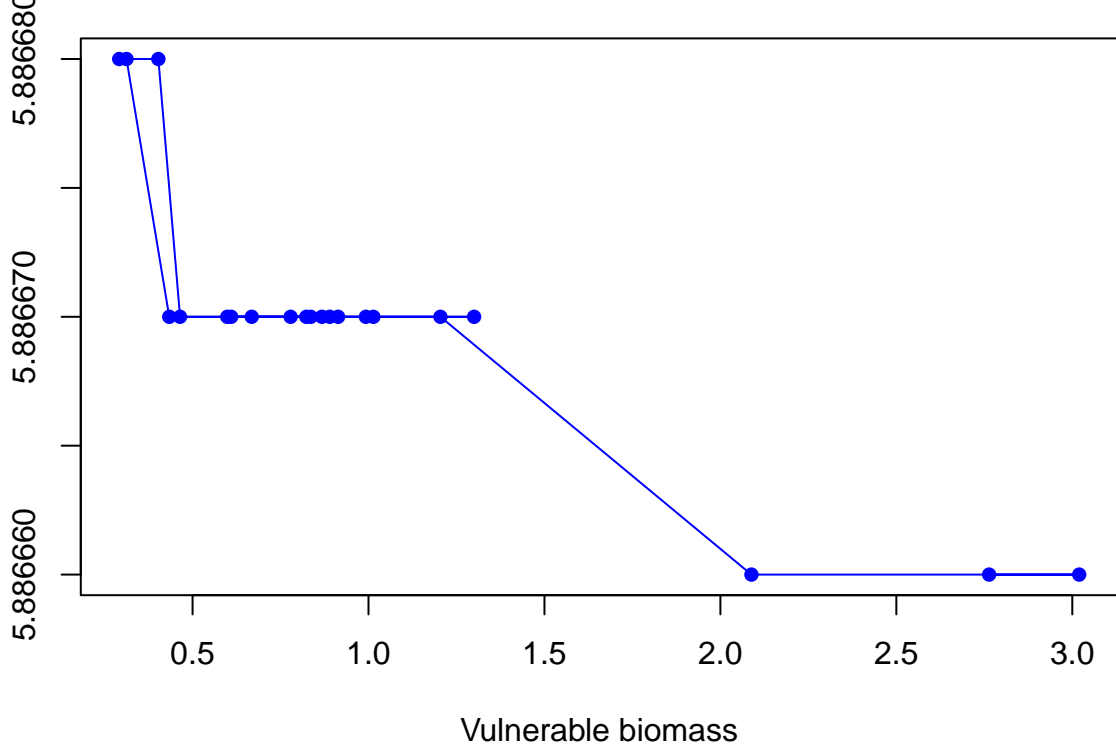


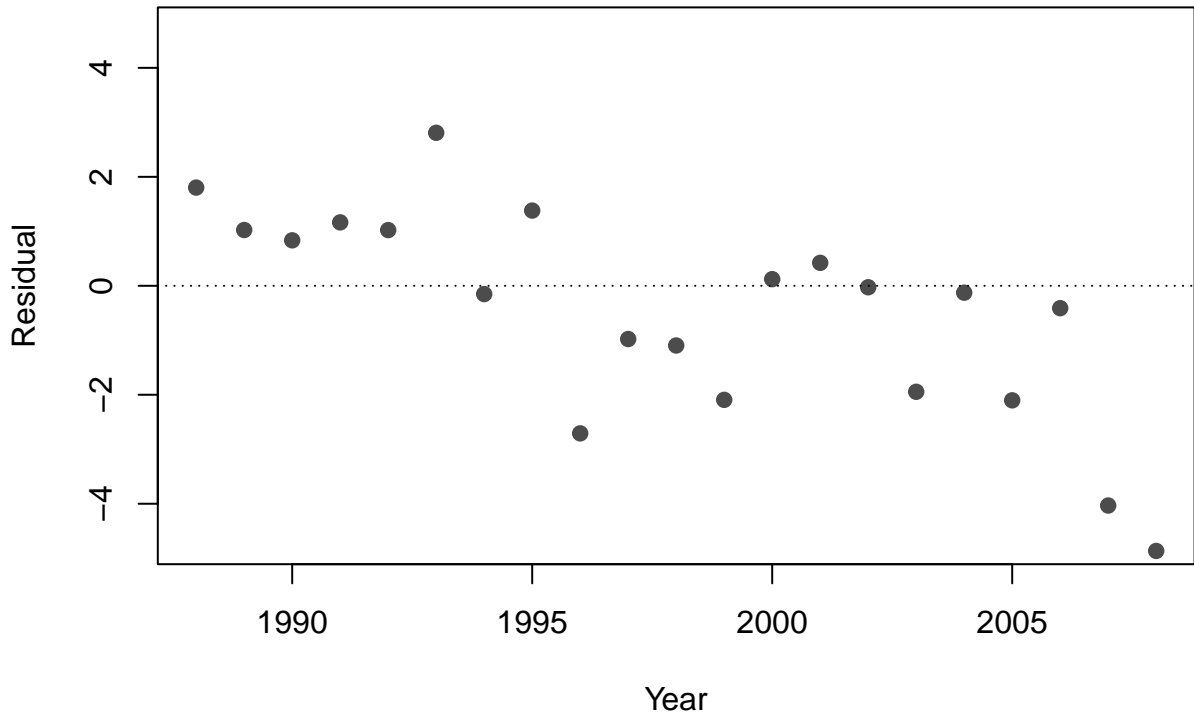




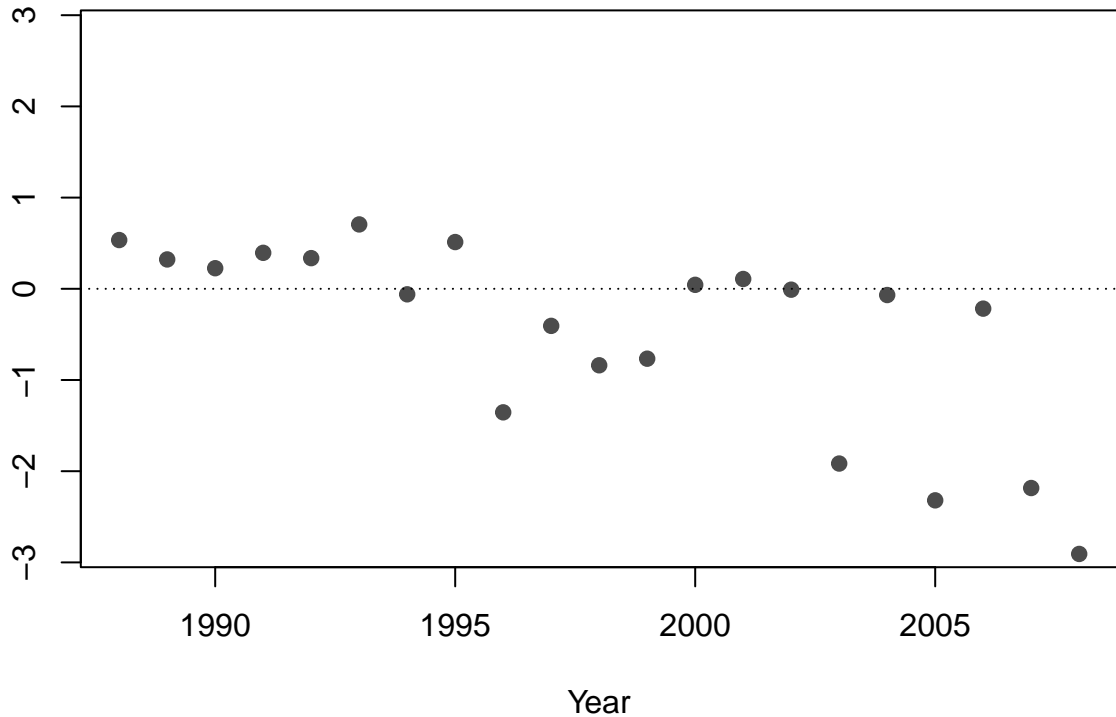


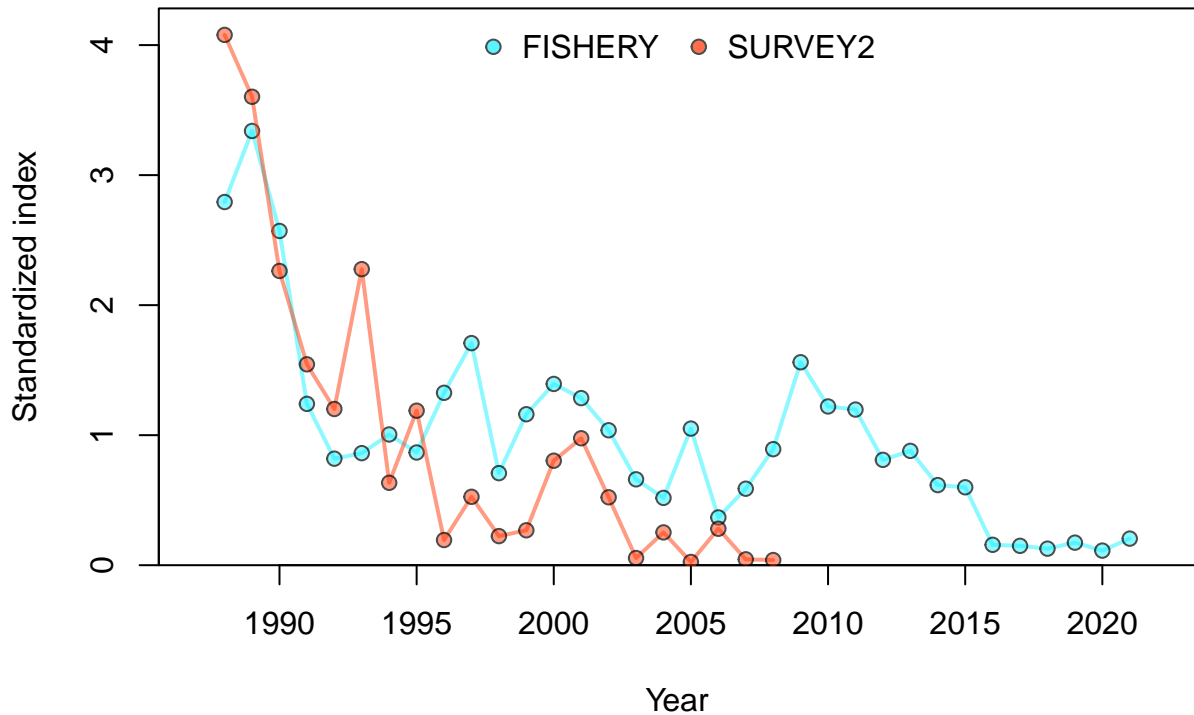
Effective catchability



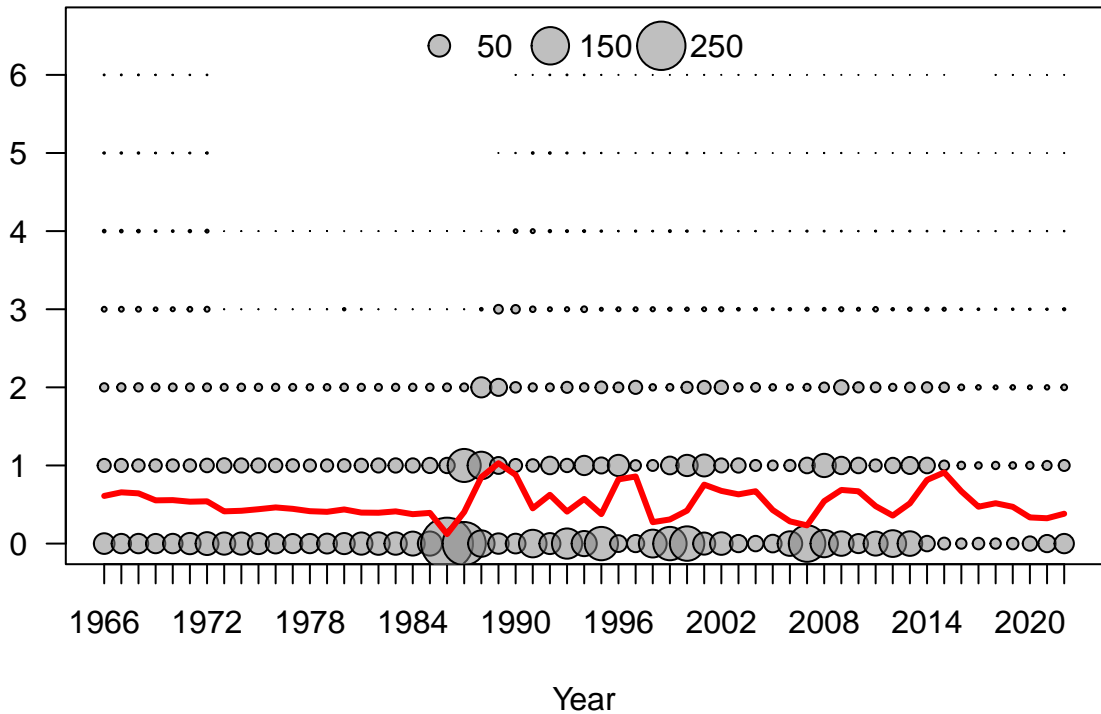


Deviation

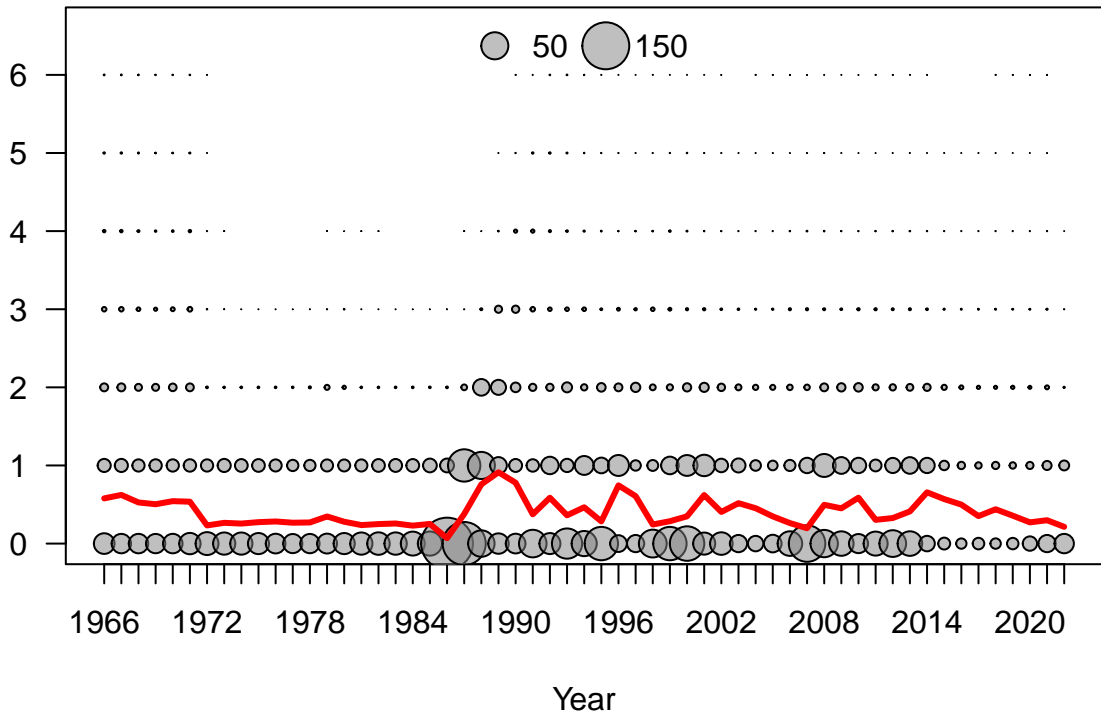


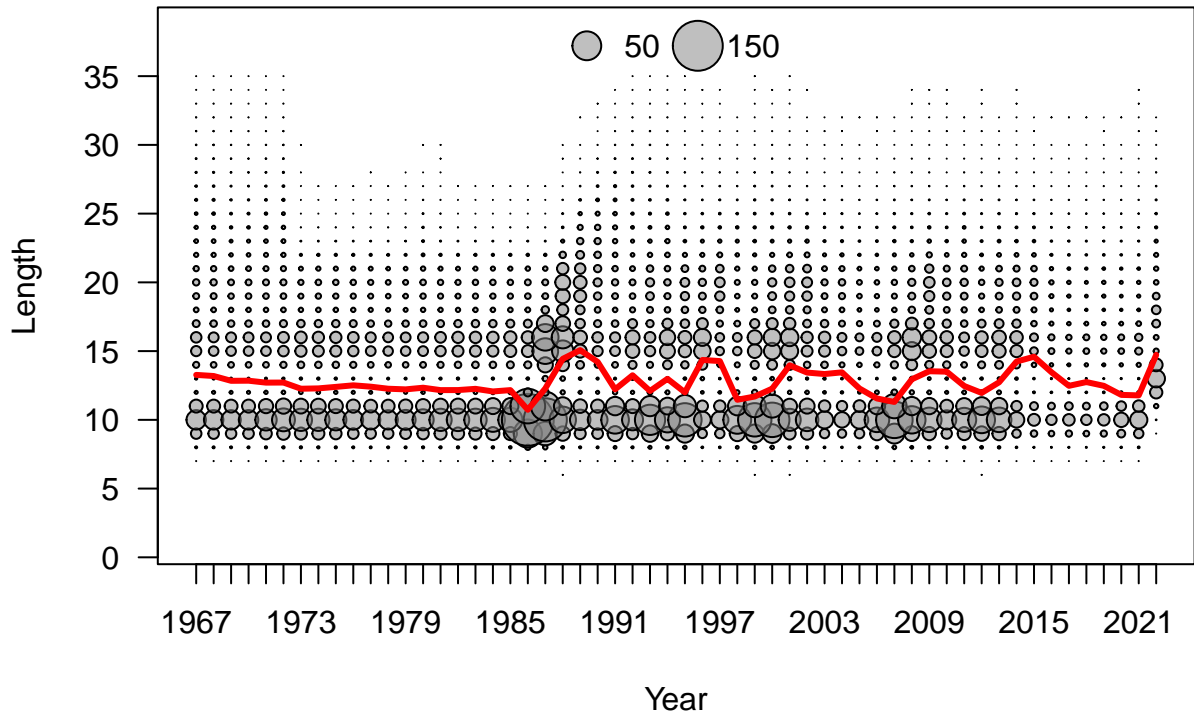


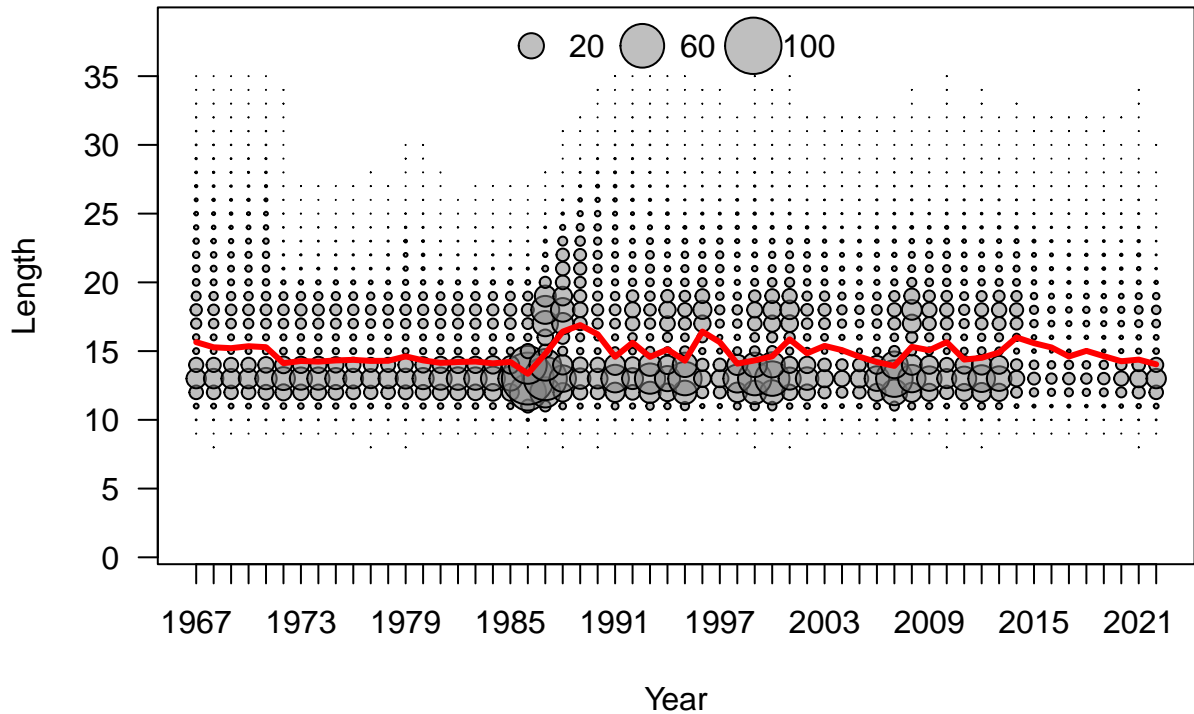
Age

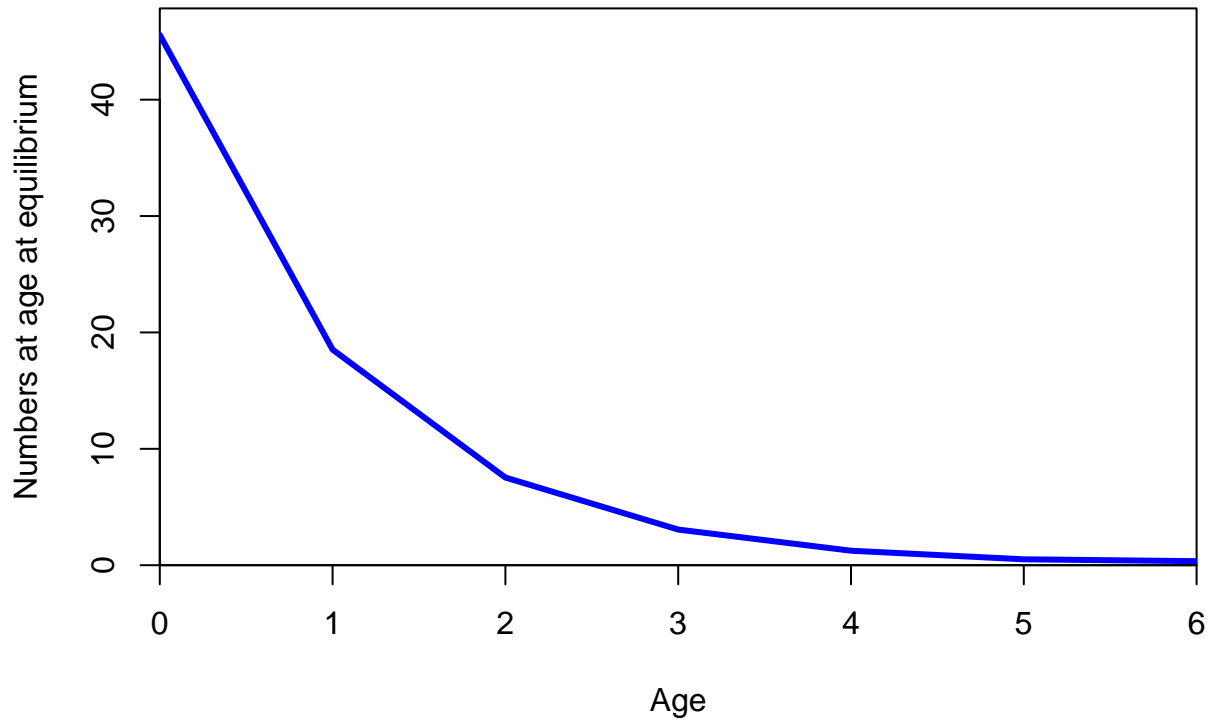


Age



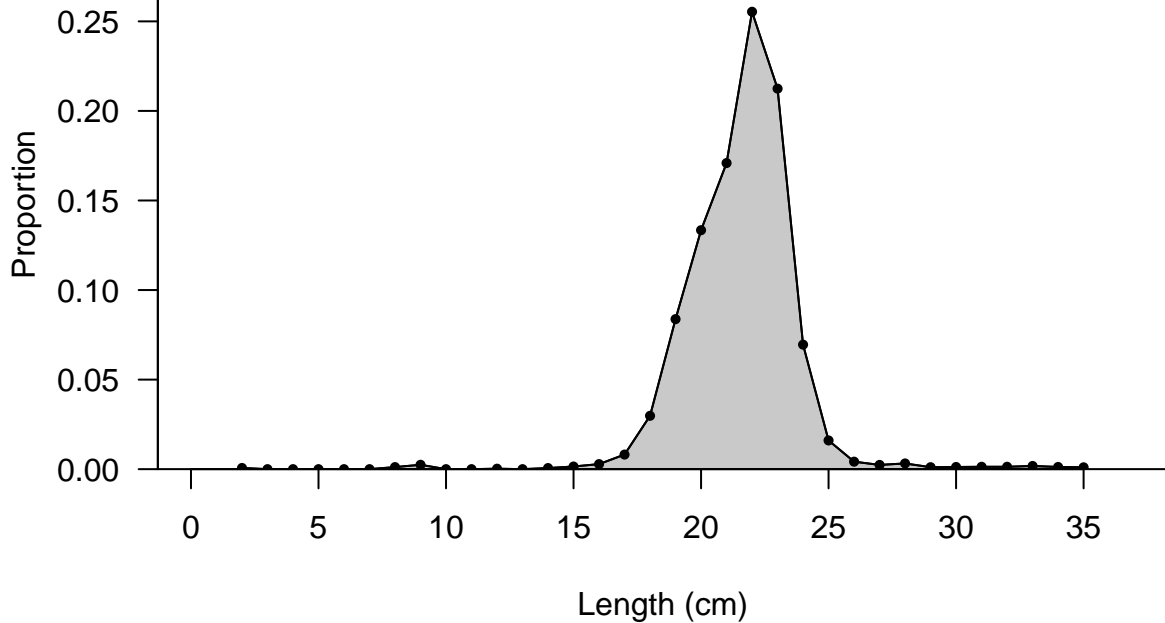


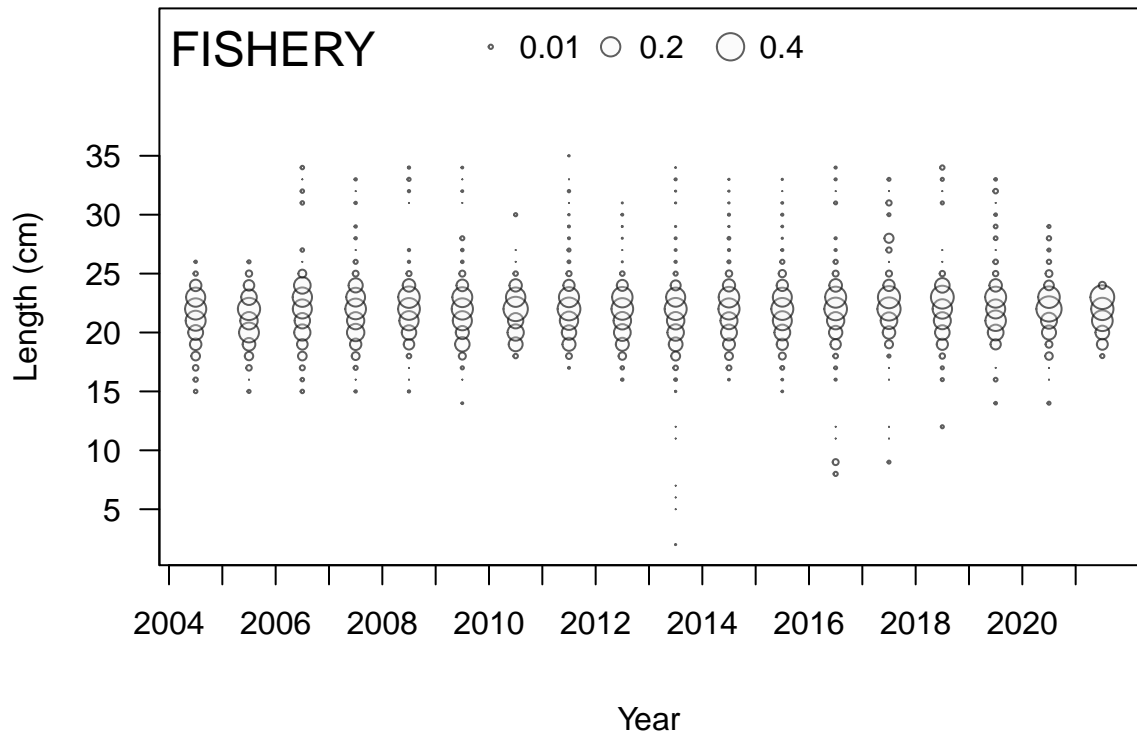


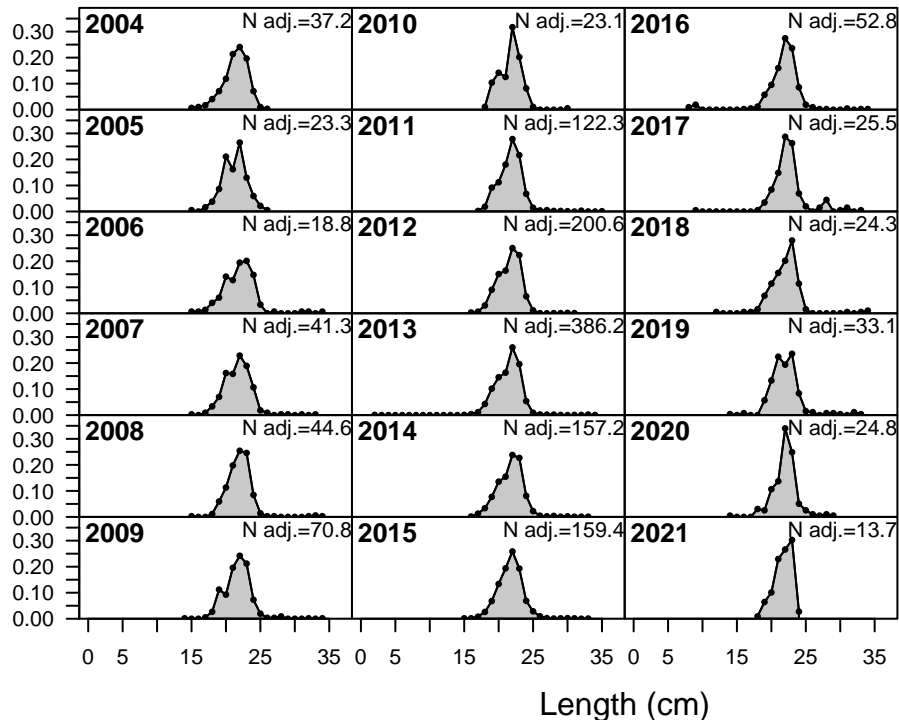


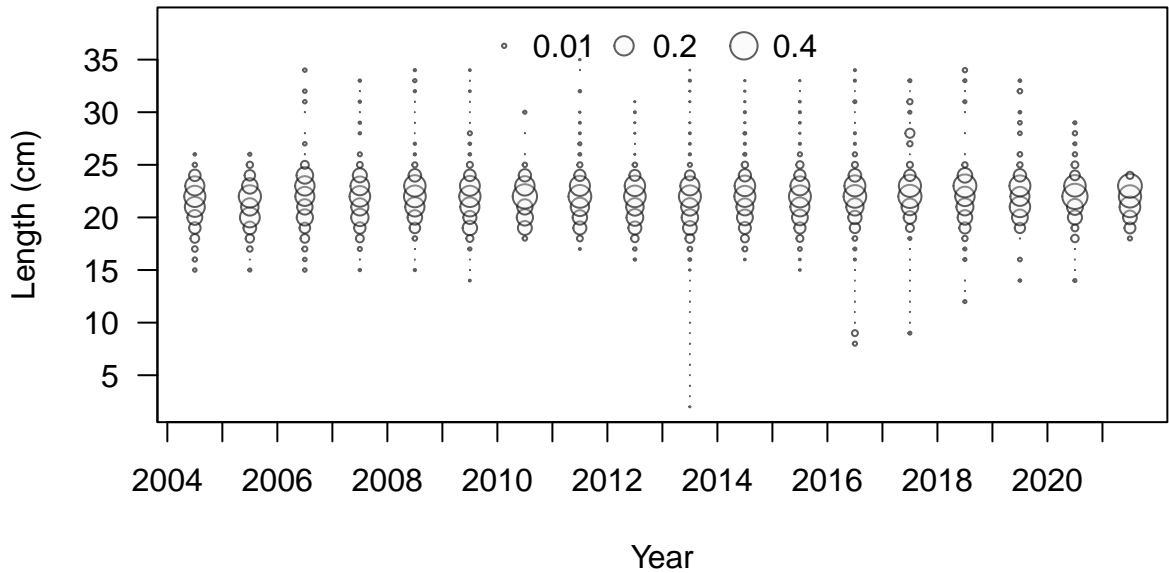
FISHERY

Sum of N adj.=1459.1

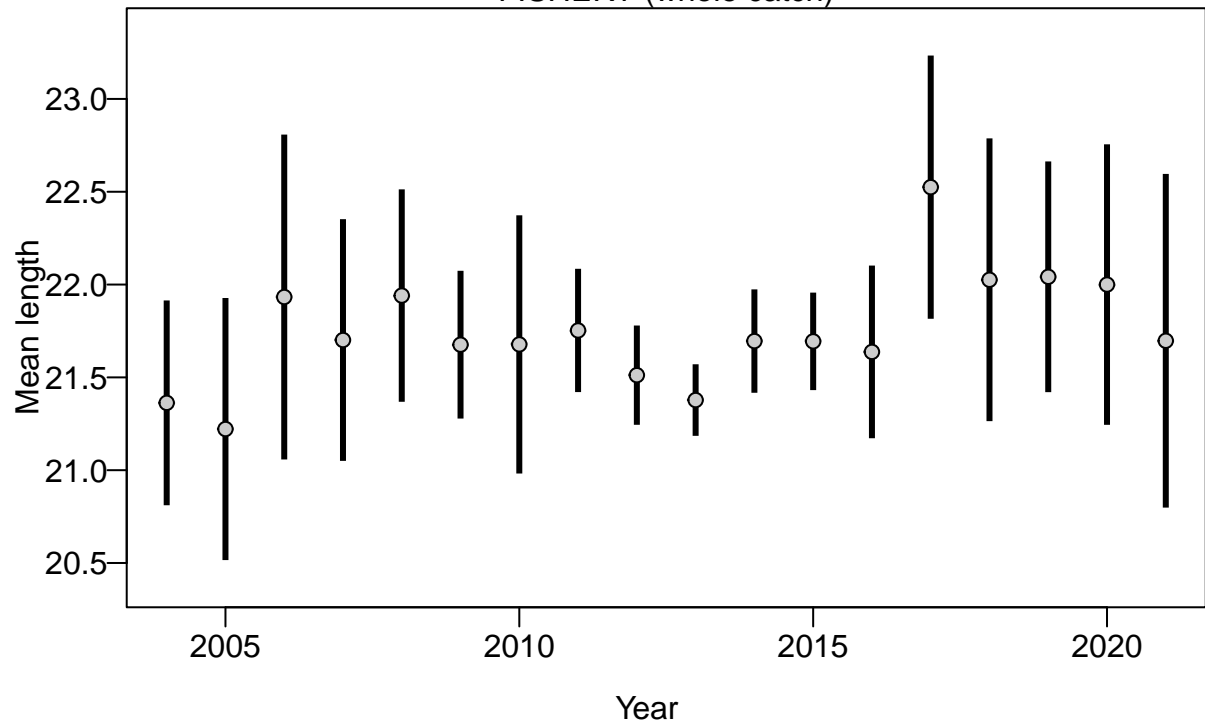


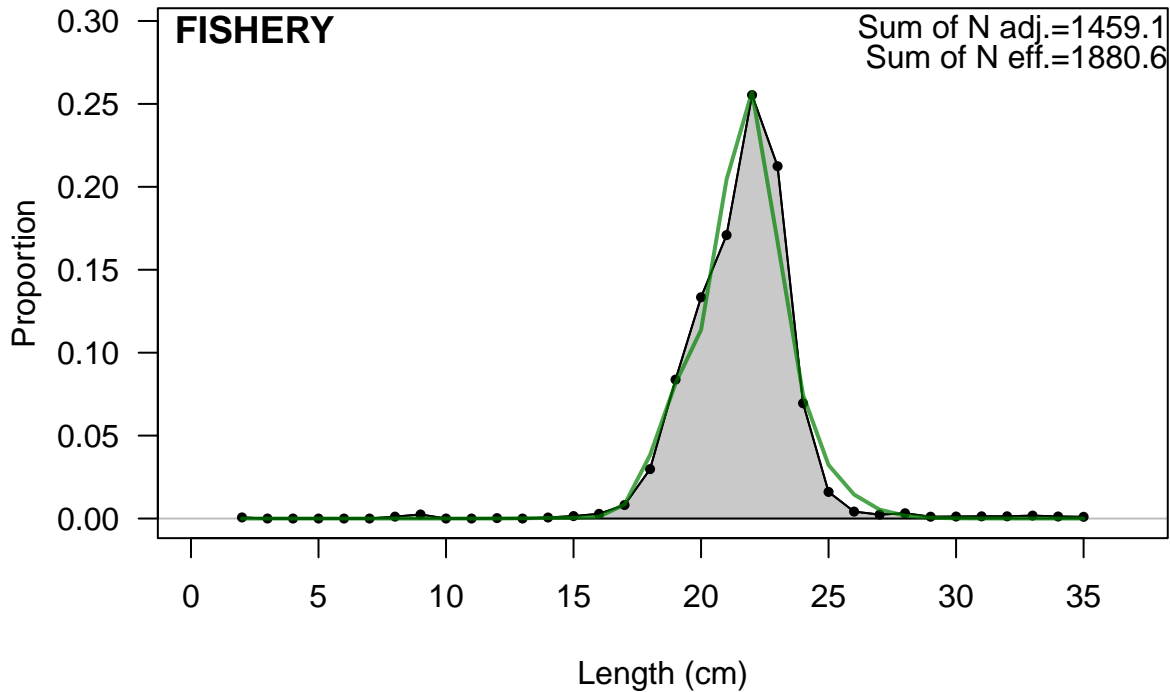


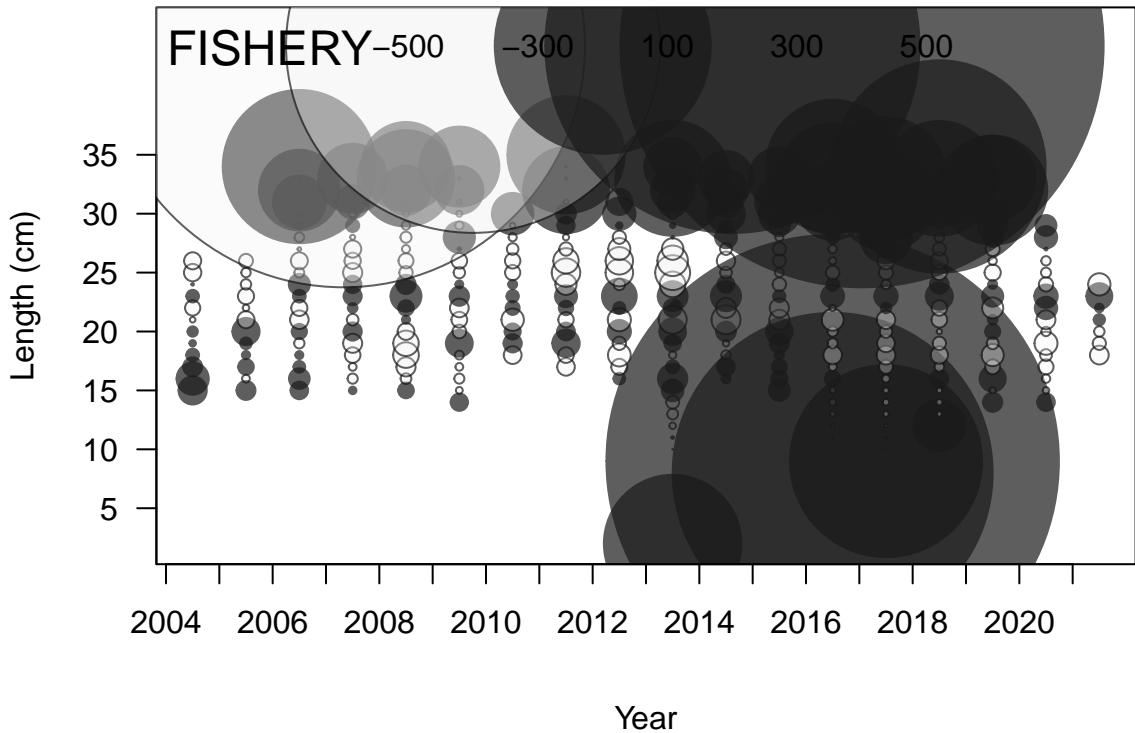


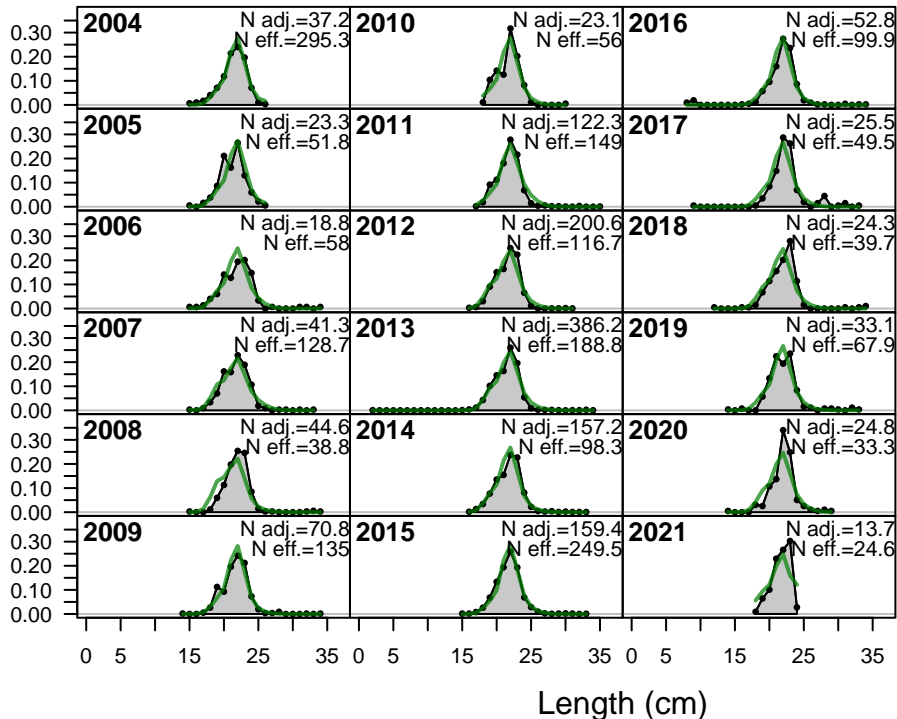


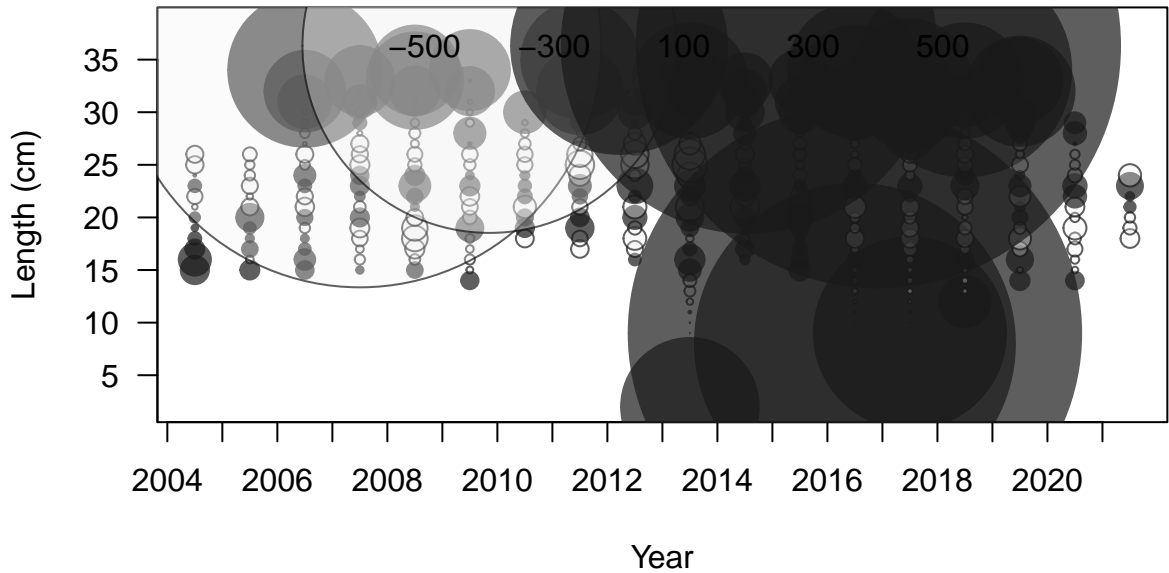
FISHERY (whole catch)



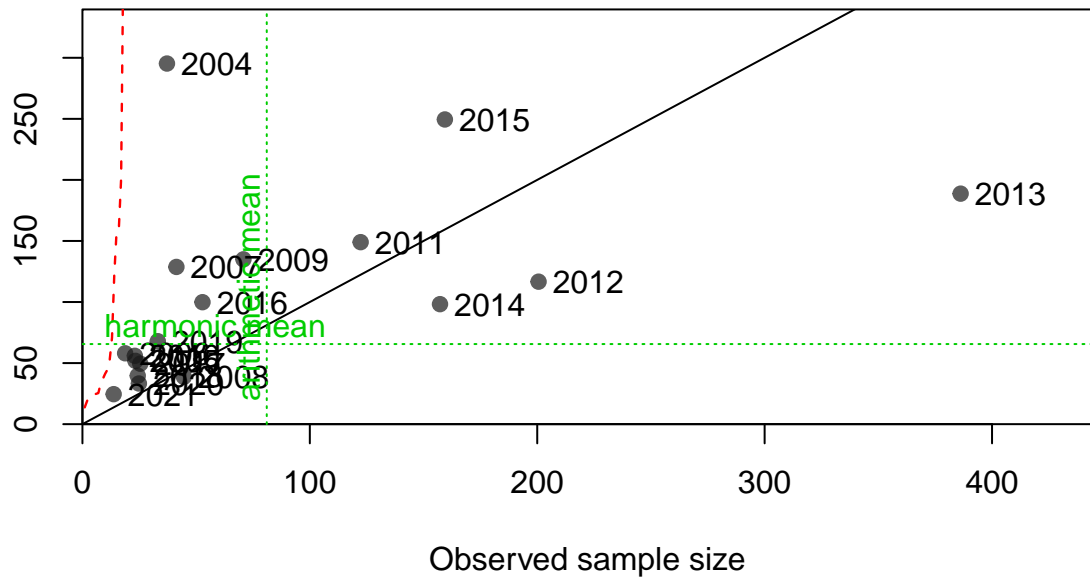




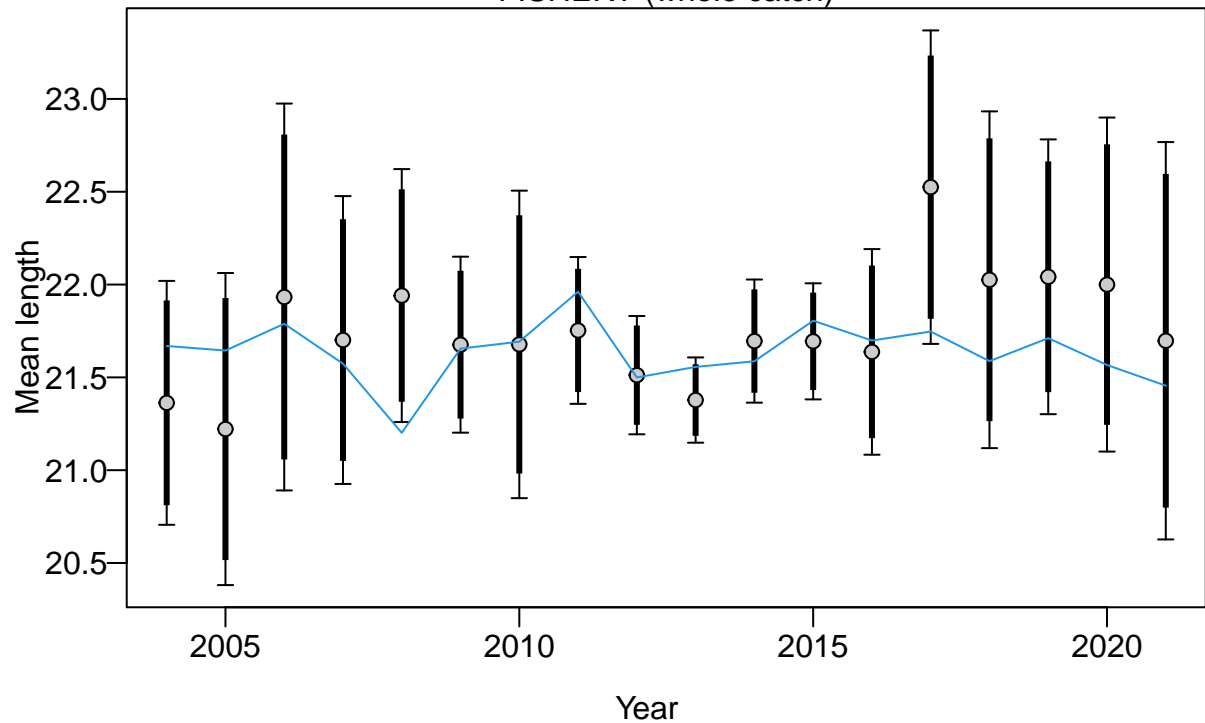


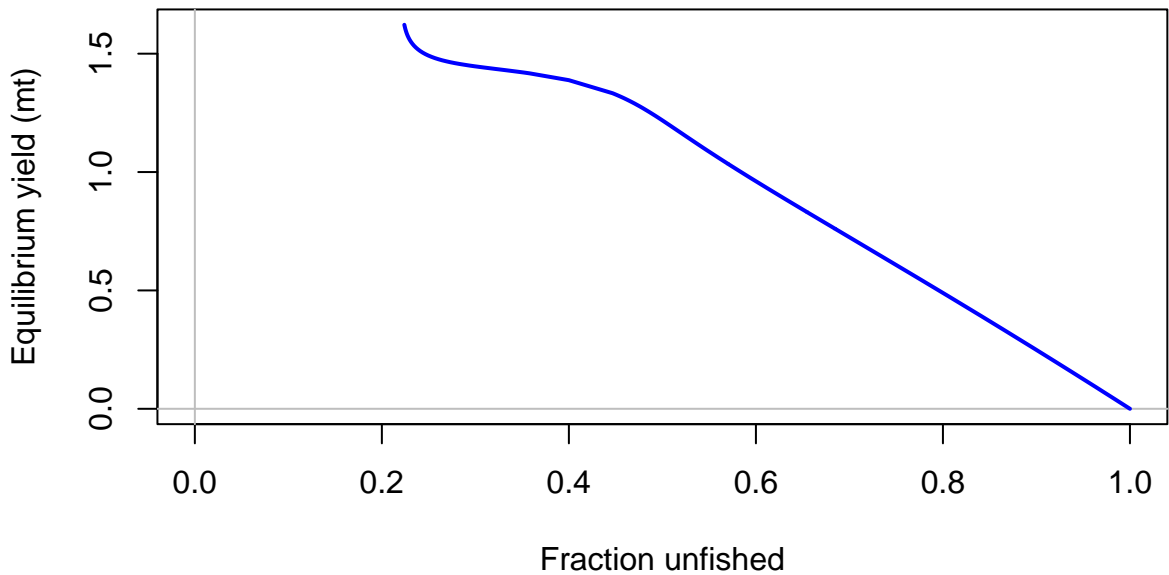


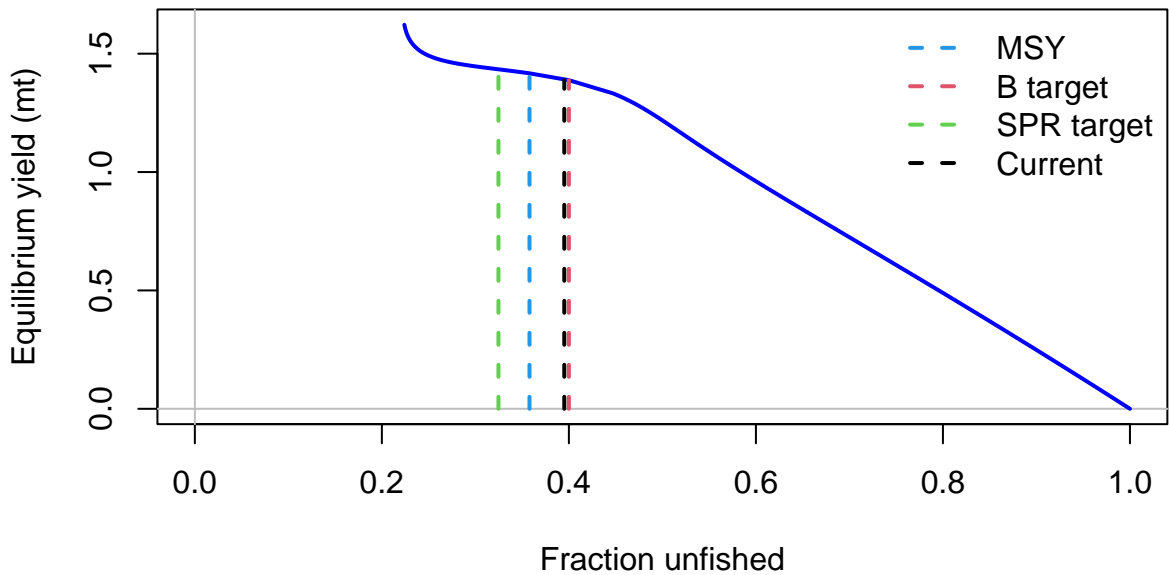
Effective sample size



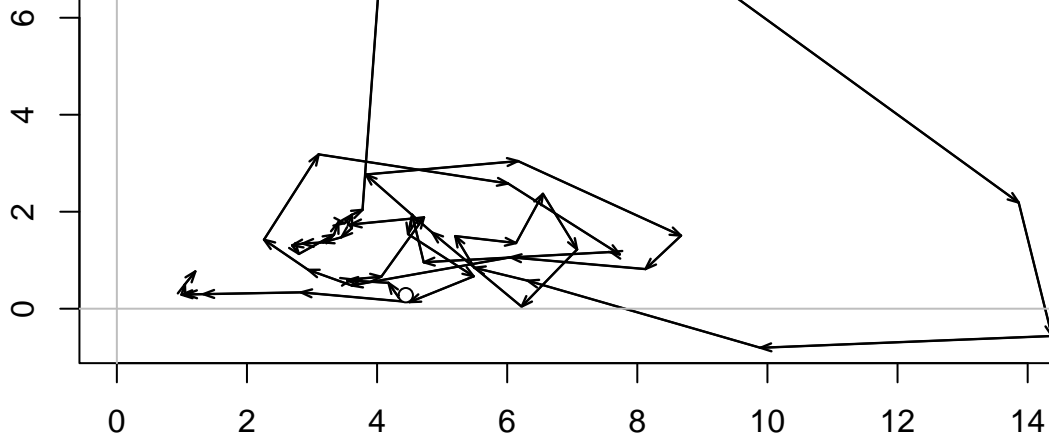
FISHERY (whole catch)



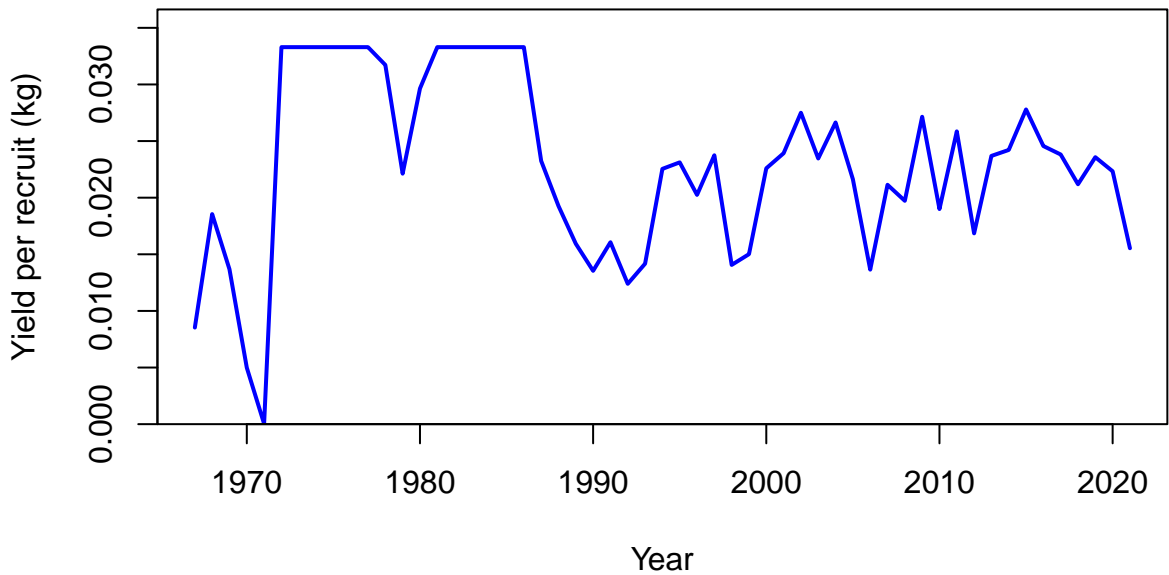


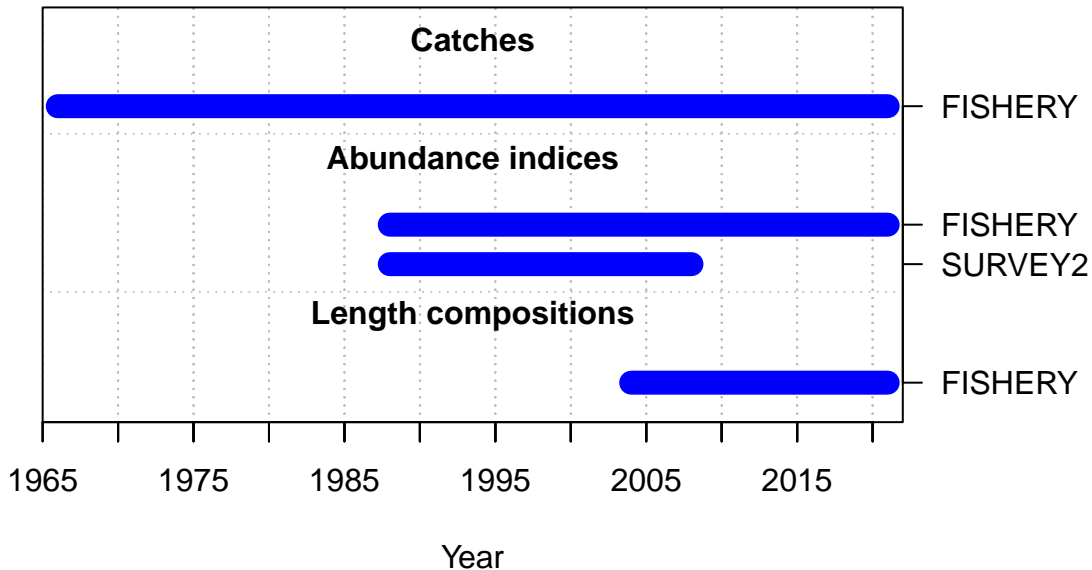


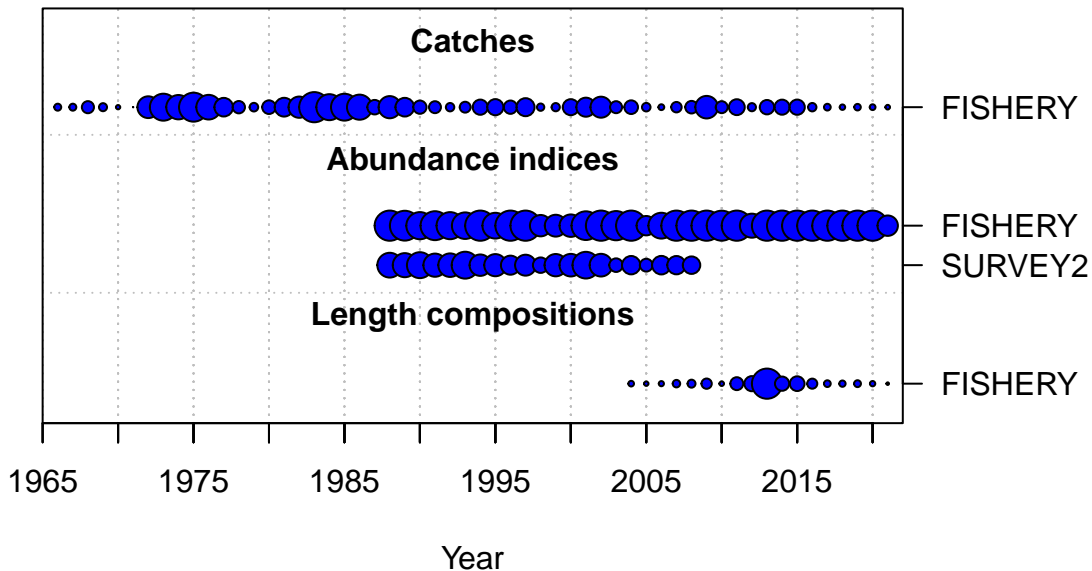
Surplus production (mt)



Total biomass (mt)





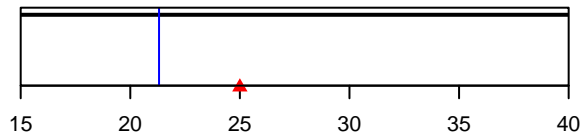


Density

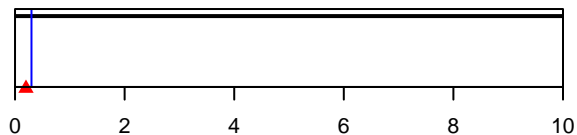
SR_LN(R0)



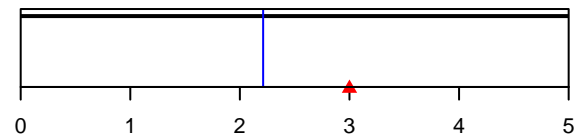
Size_inflection_FISHERY(1)



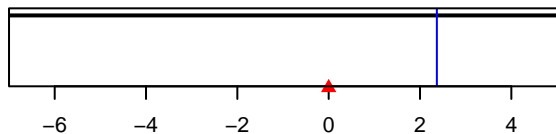
InitF_seas_1_flt_1FISHERY



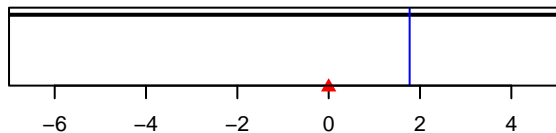
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value