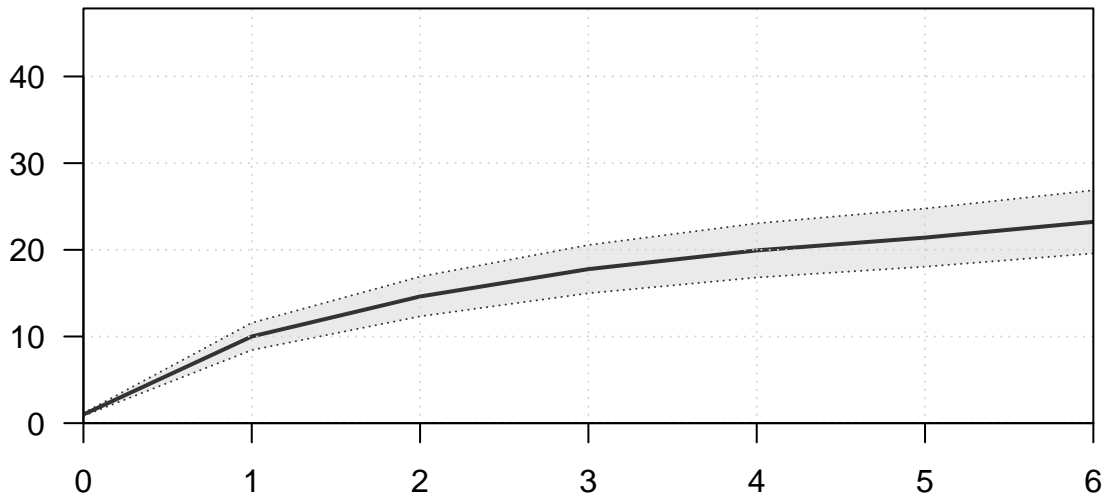
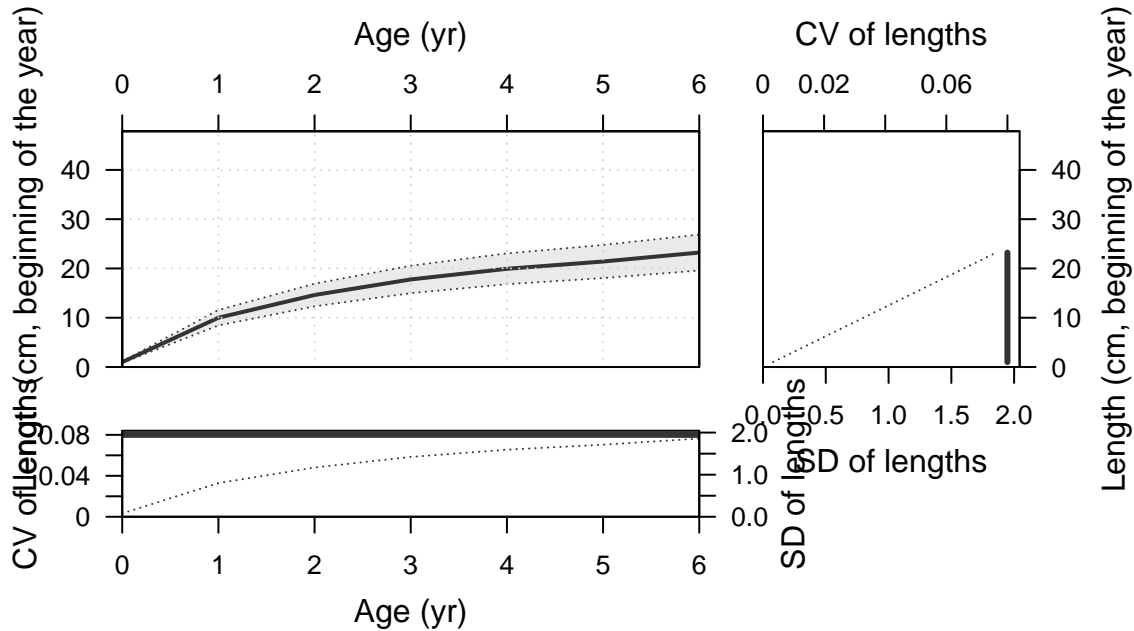


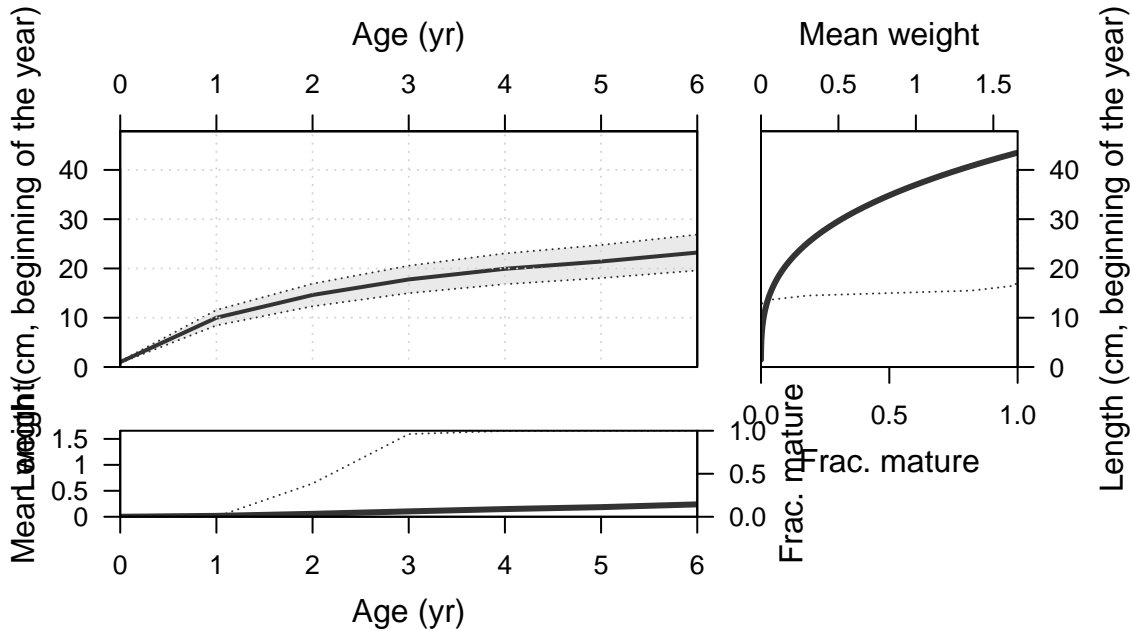
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sat Jul 23 09:17:32 2022
Data_File: data.ss
Control_File: control.ss

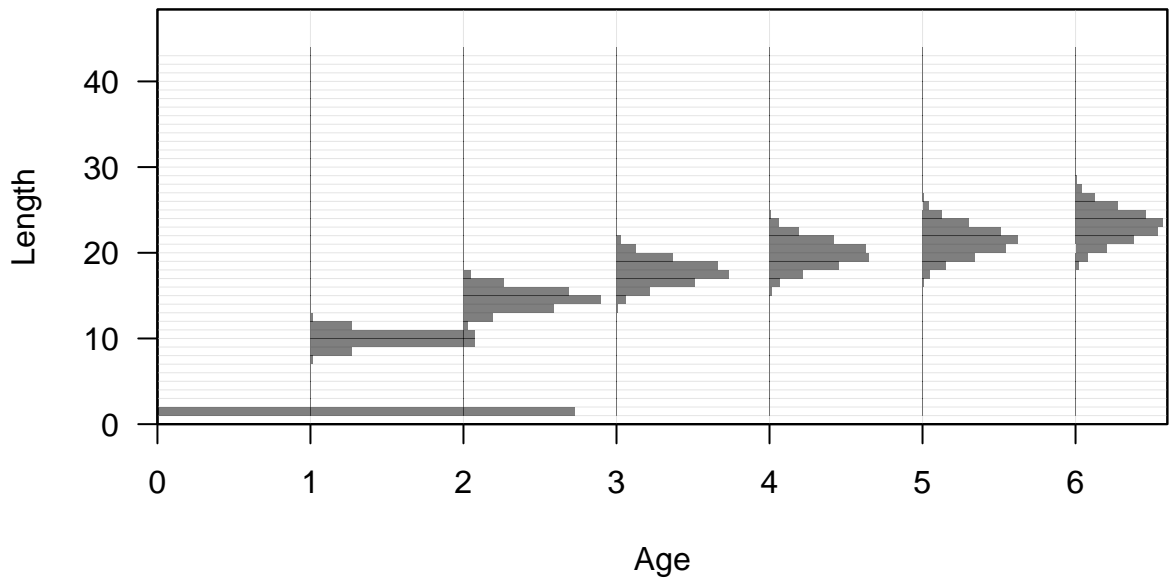
Length (cm, beginning of the year)

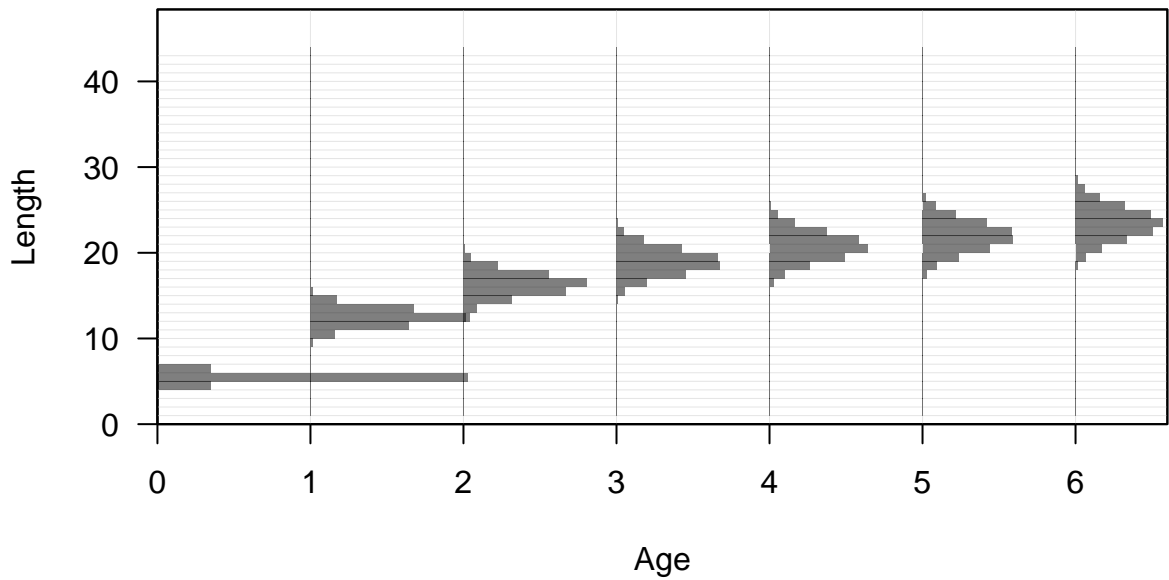


Age (yr)











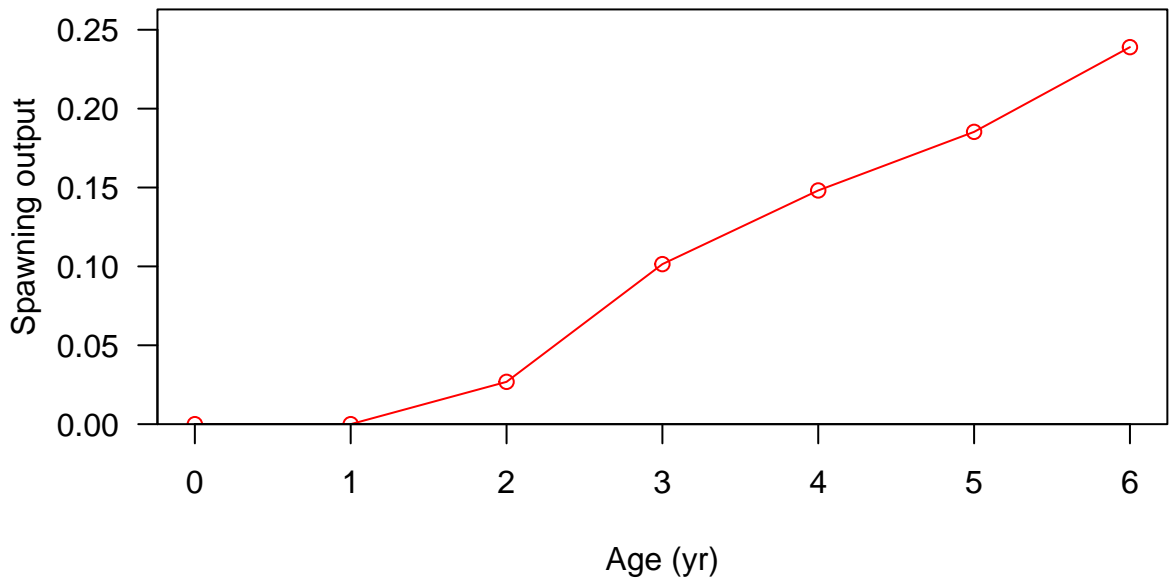




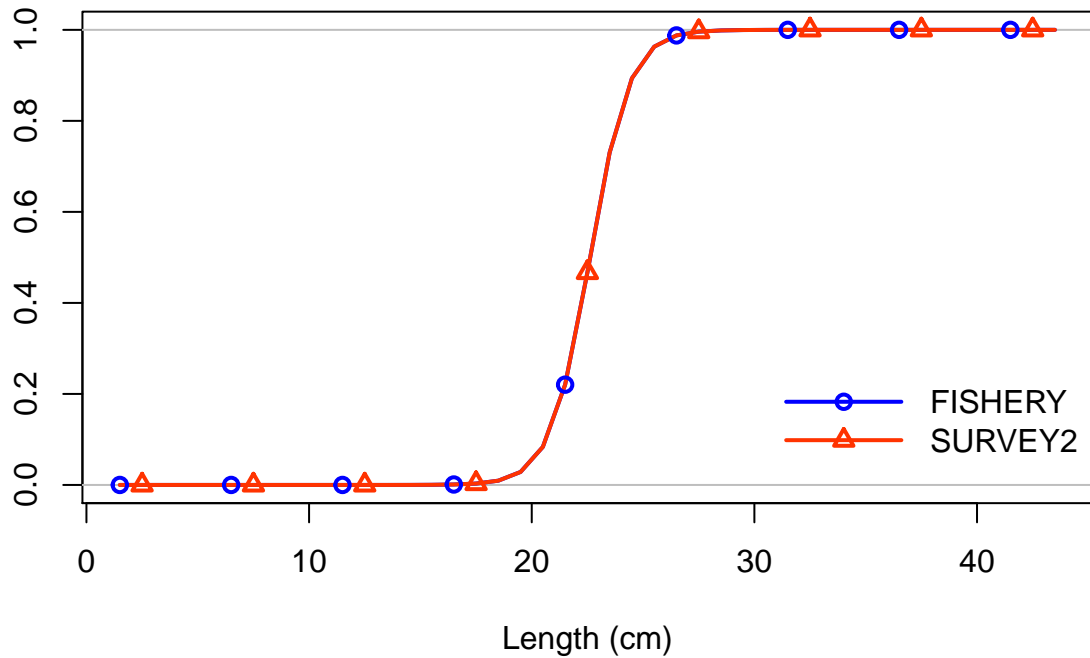




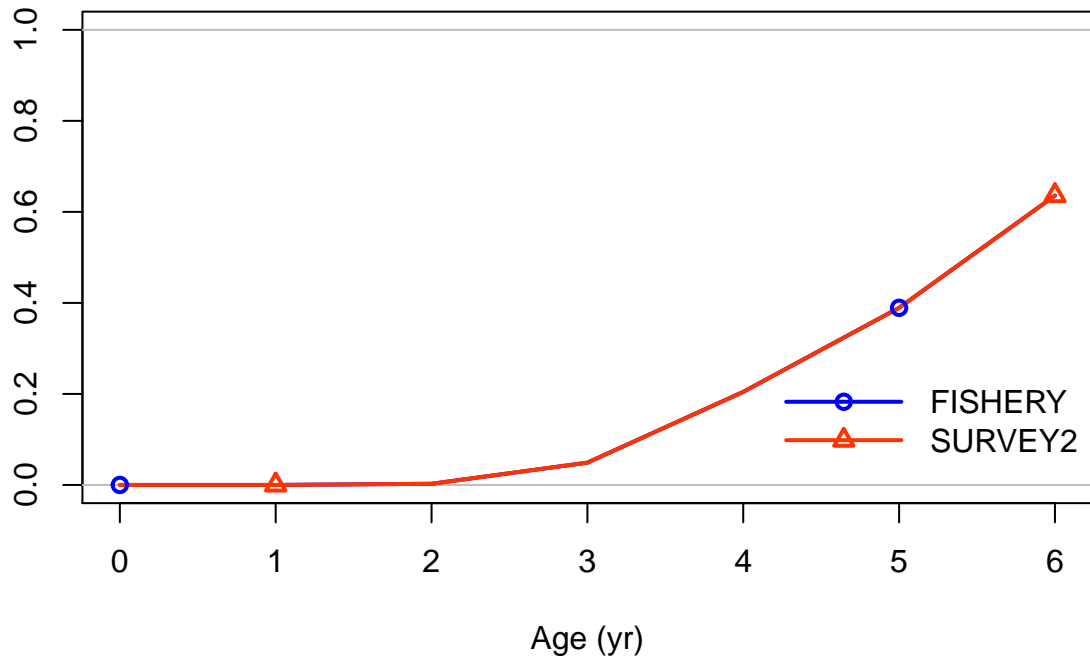




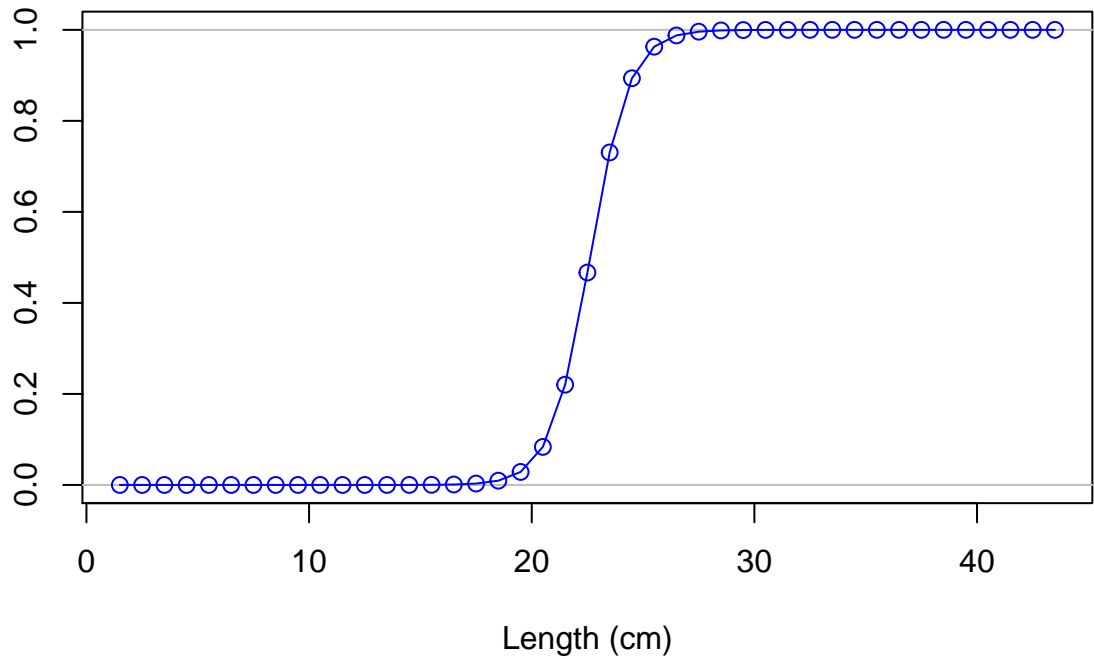
Selectivity



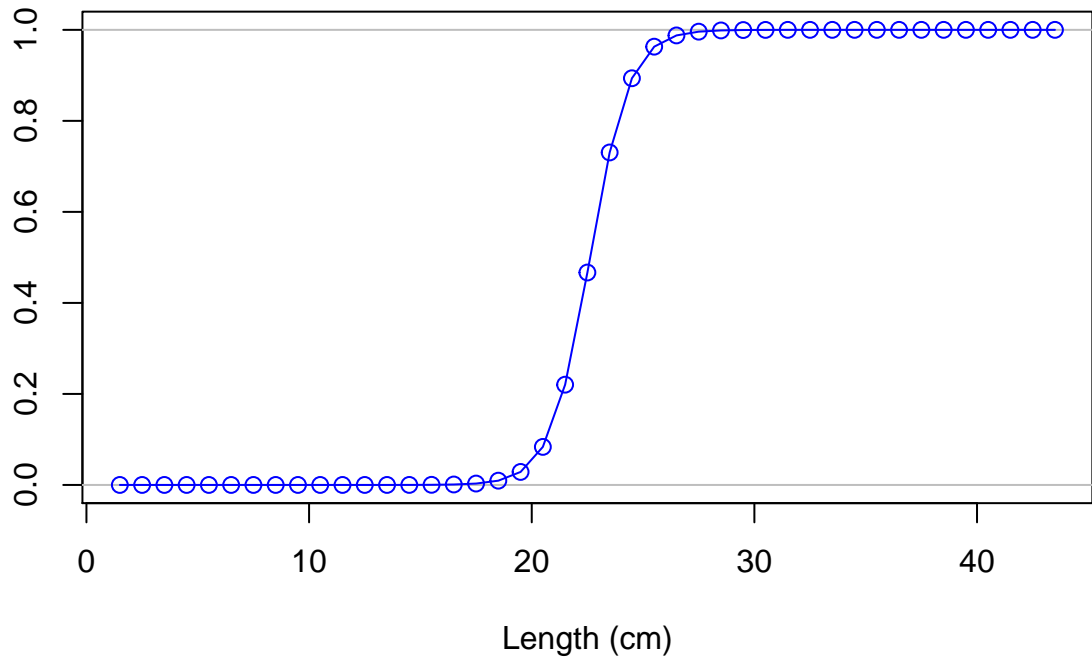
Selectivity

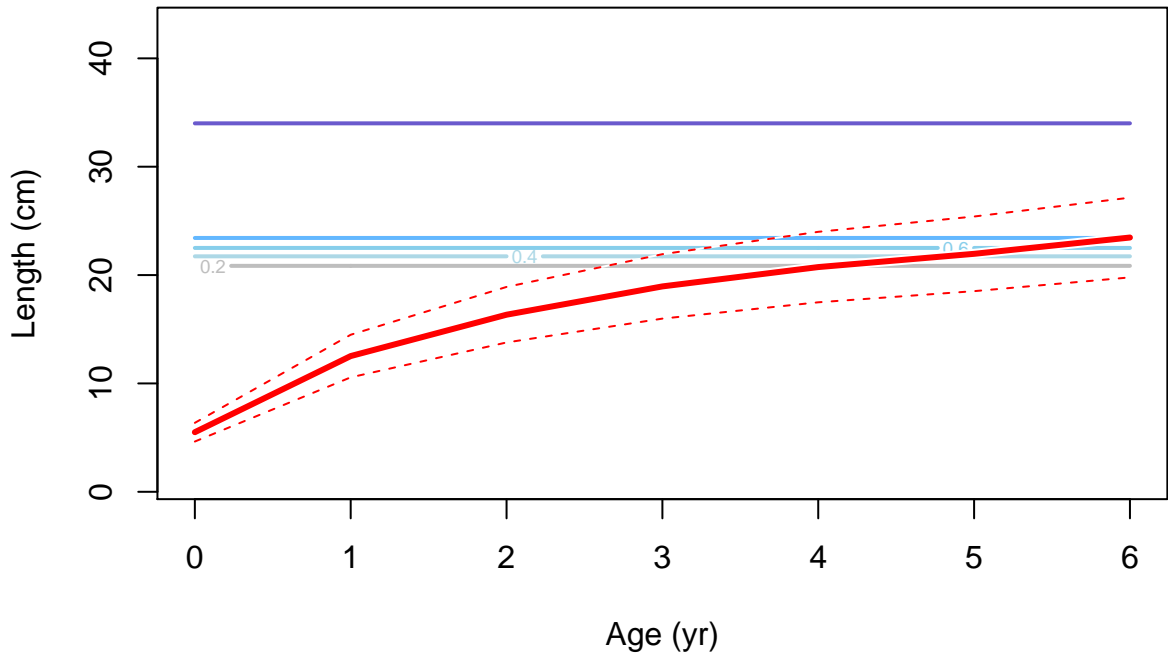


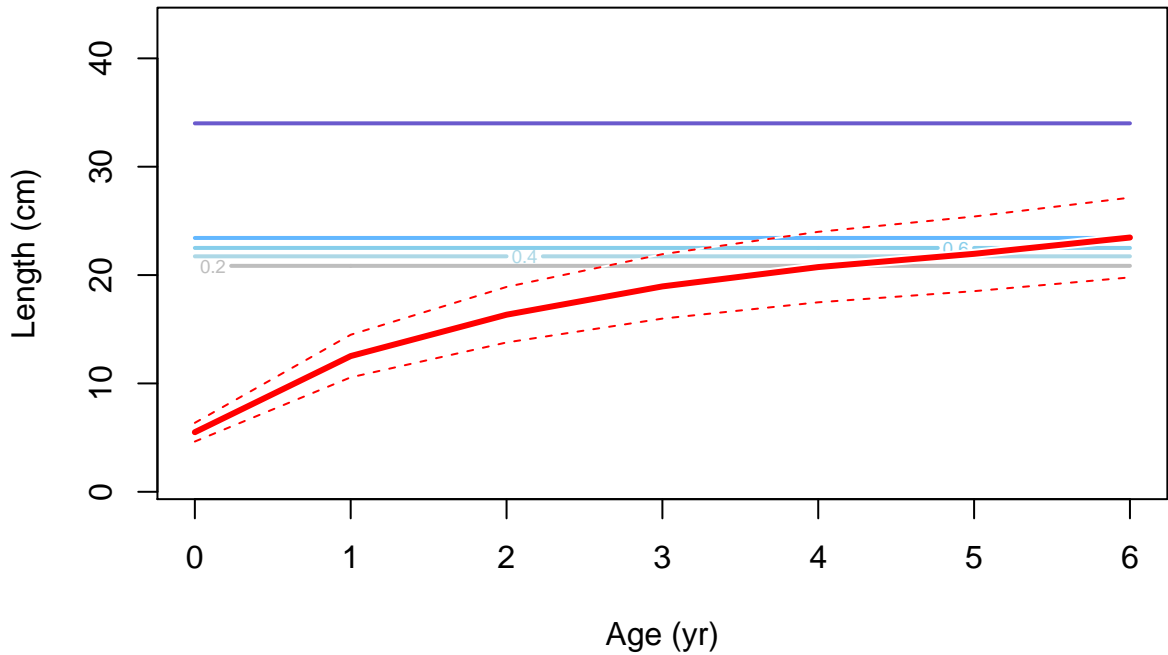
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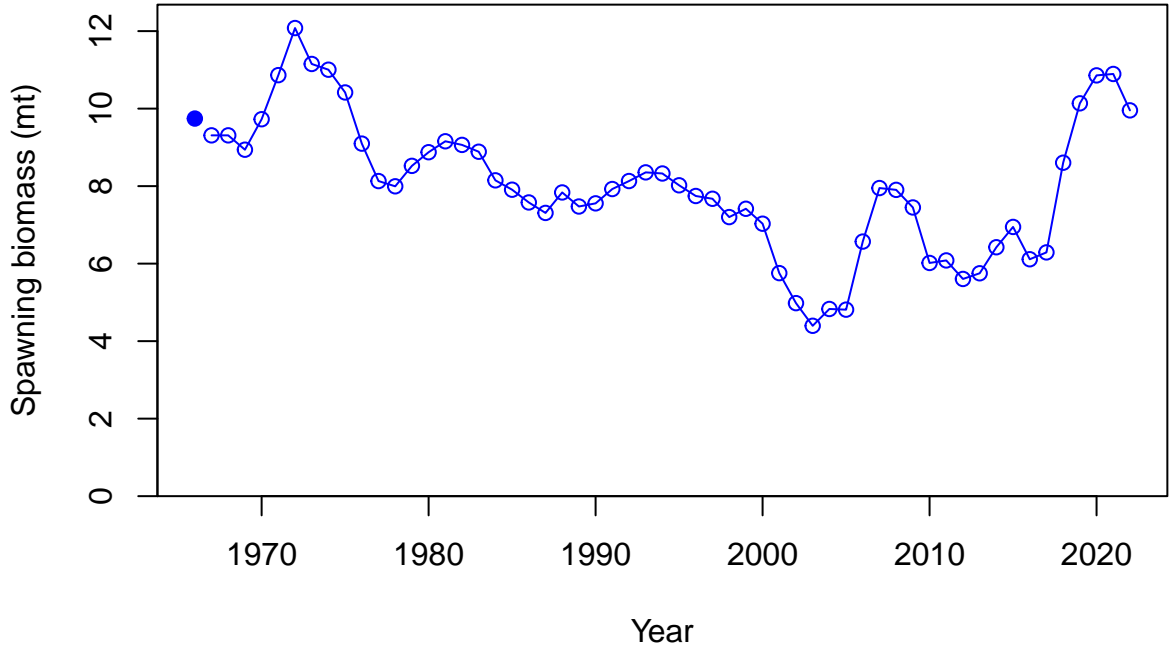


Selectivity

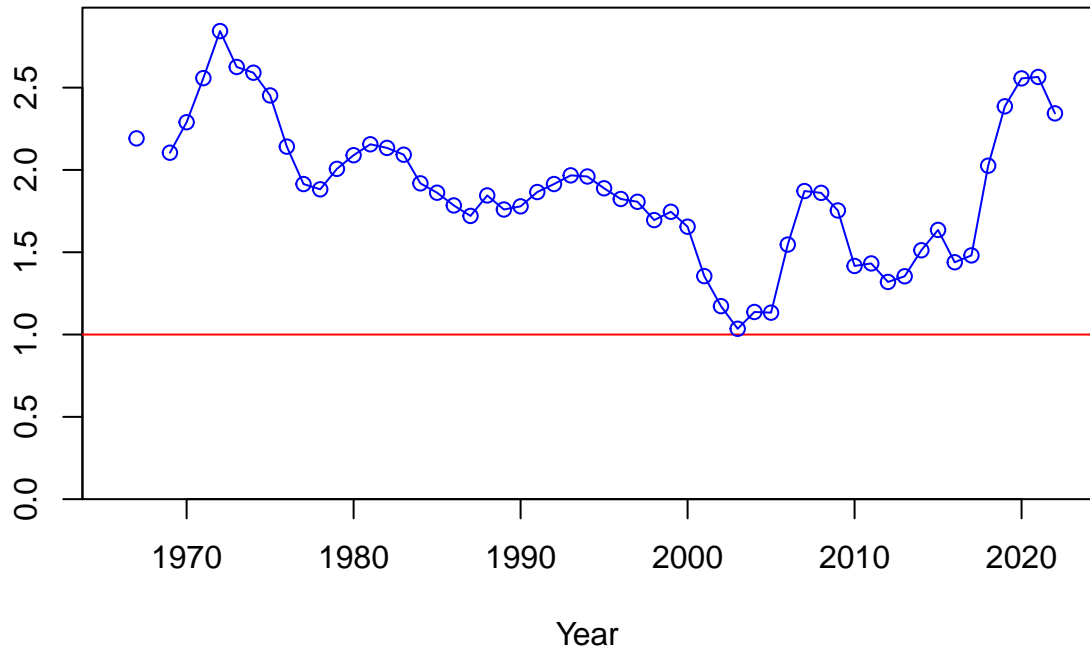


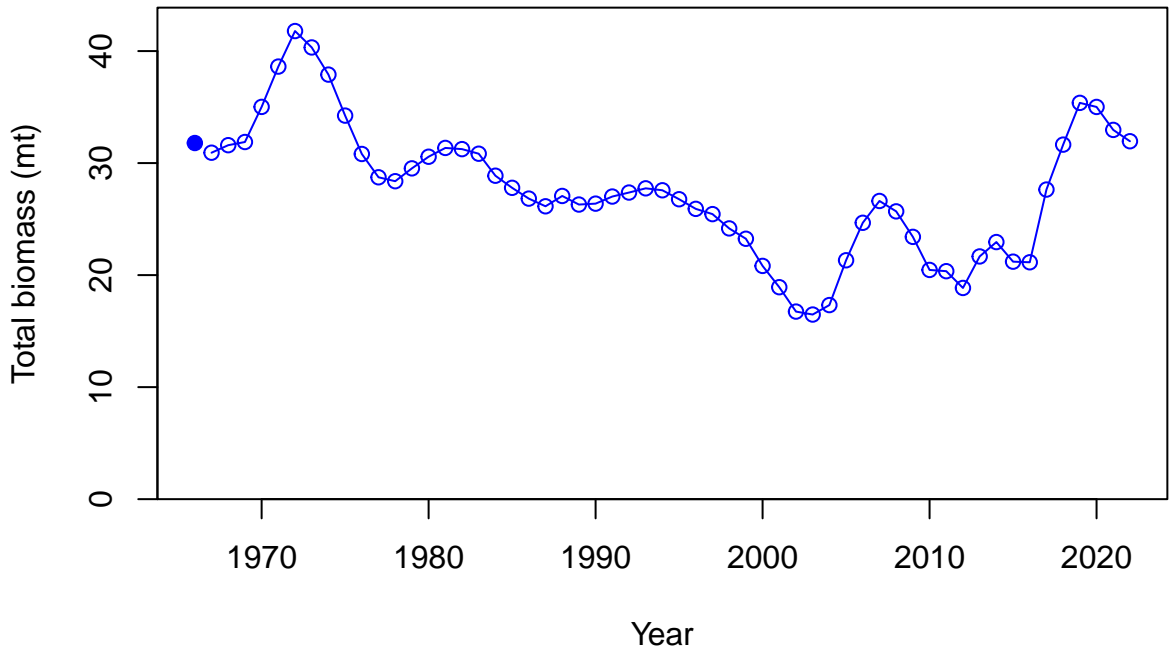




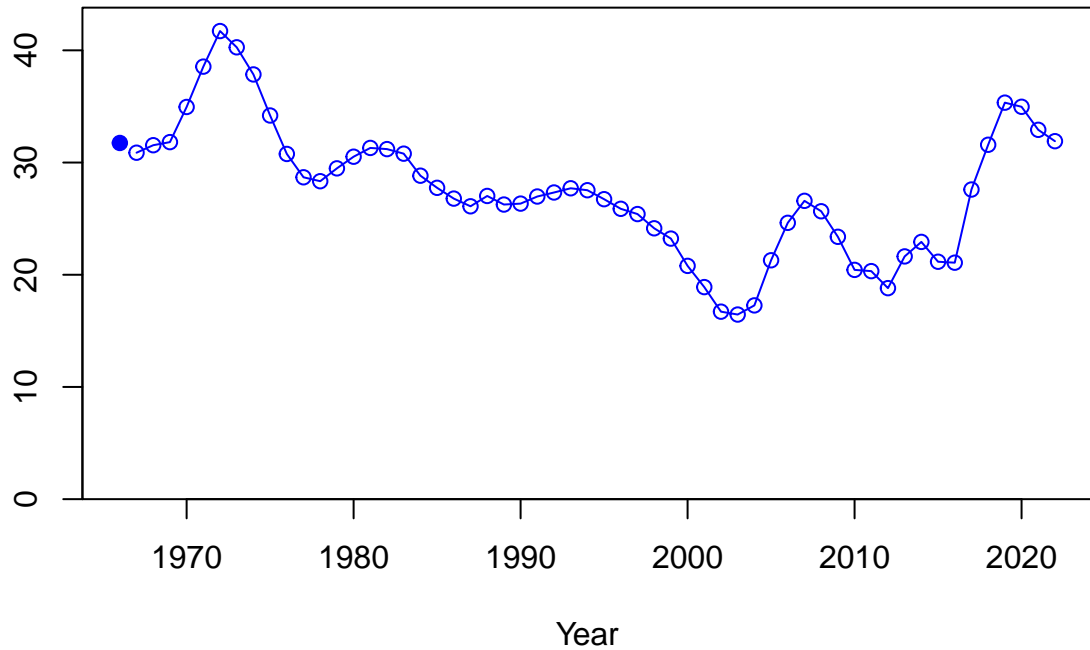


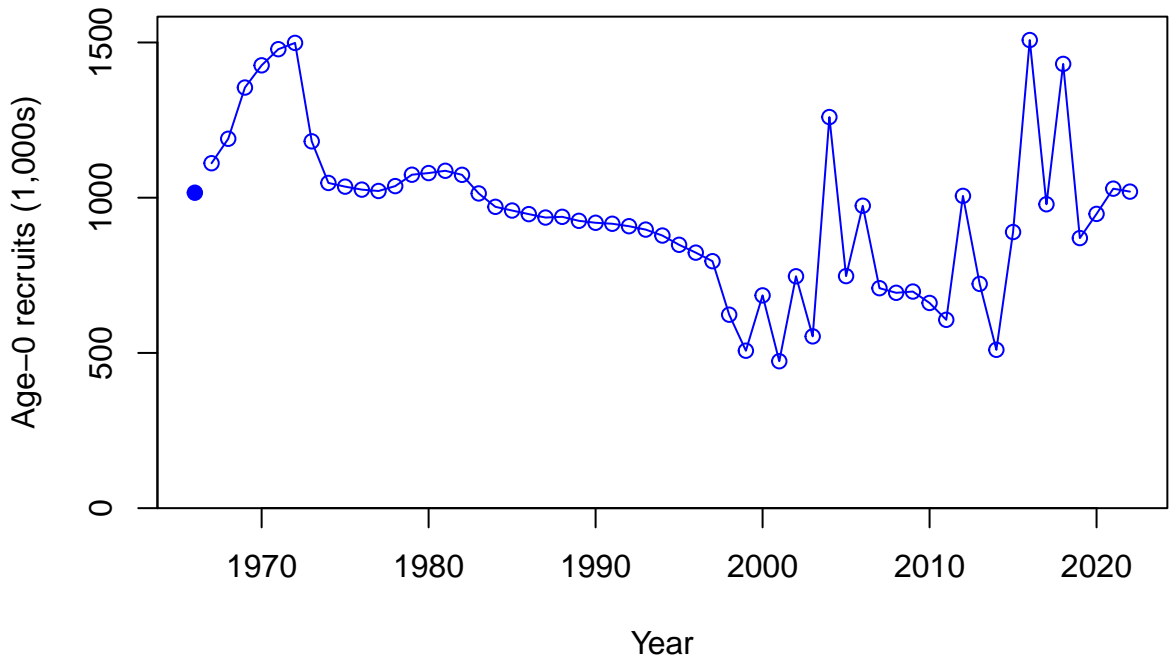
Relative spawning biomass: B/B_{MSY}



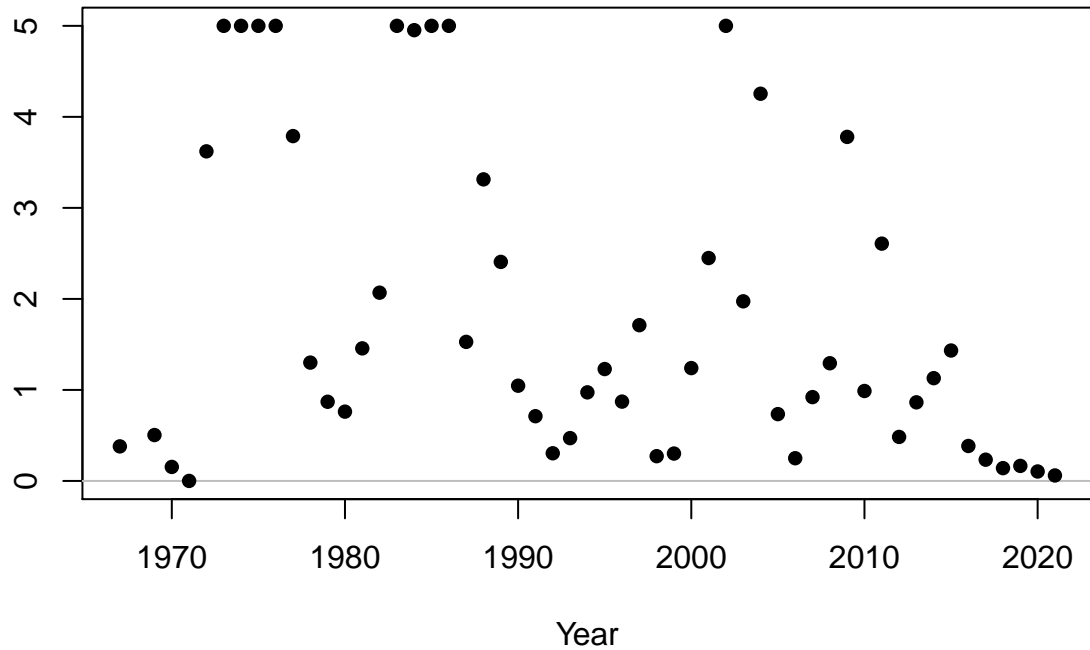


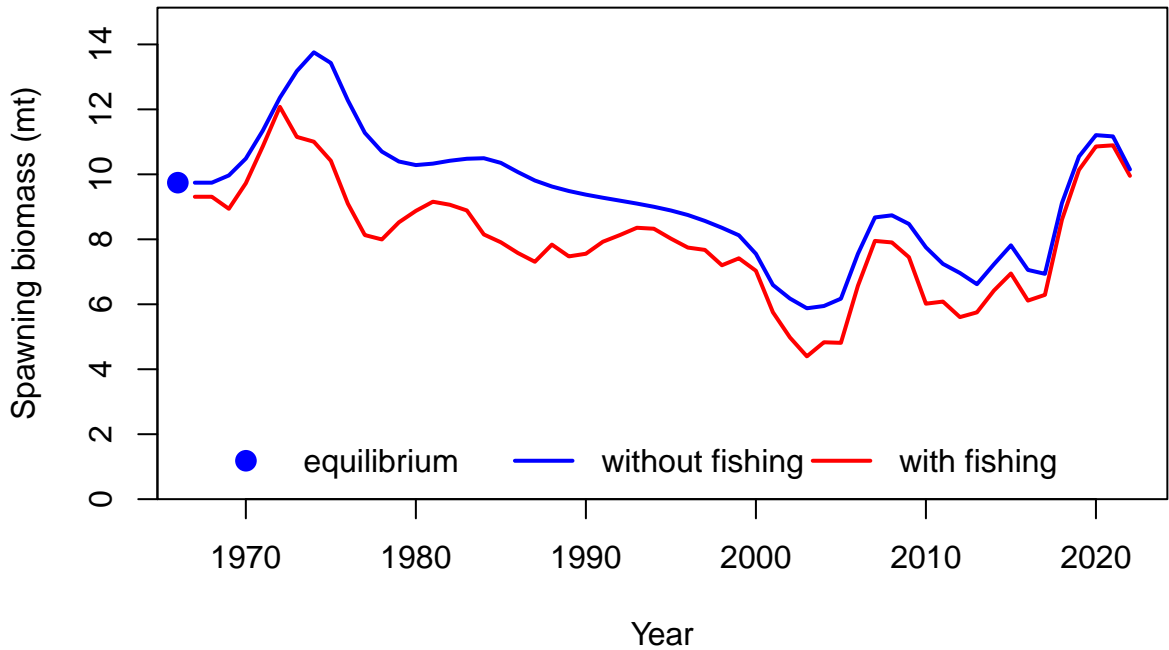
Summary biomass (mt)



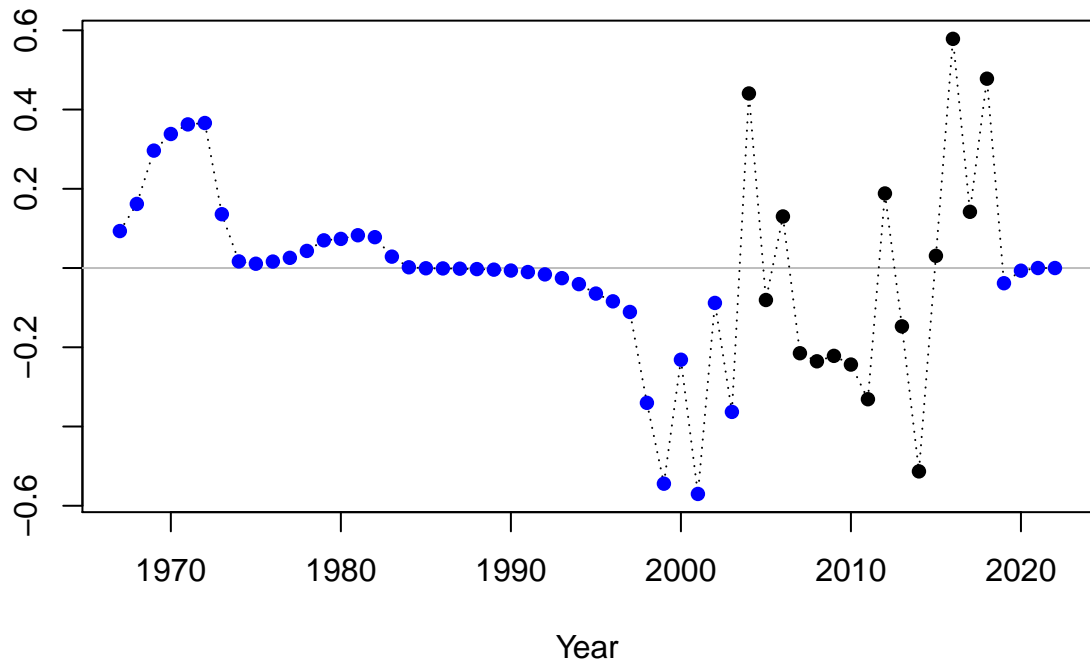


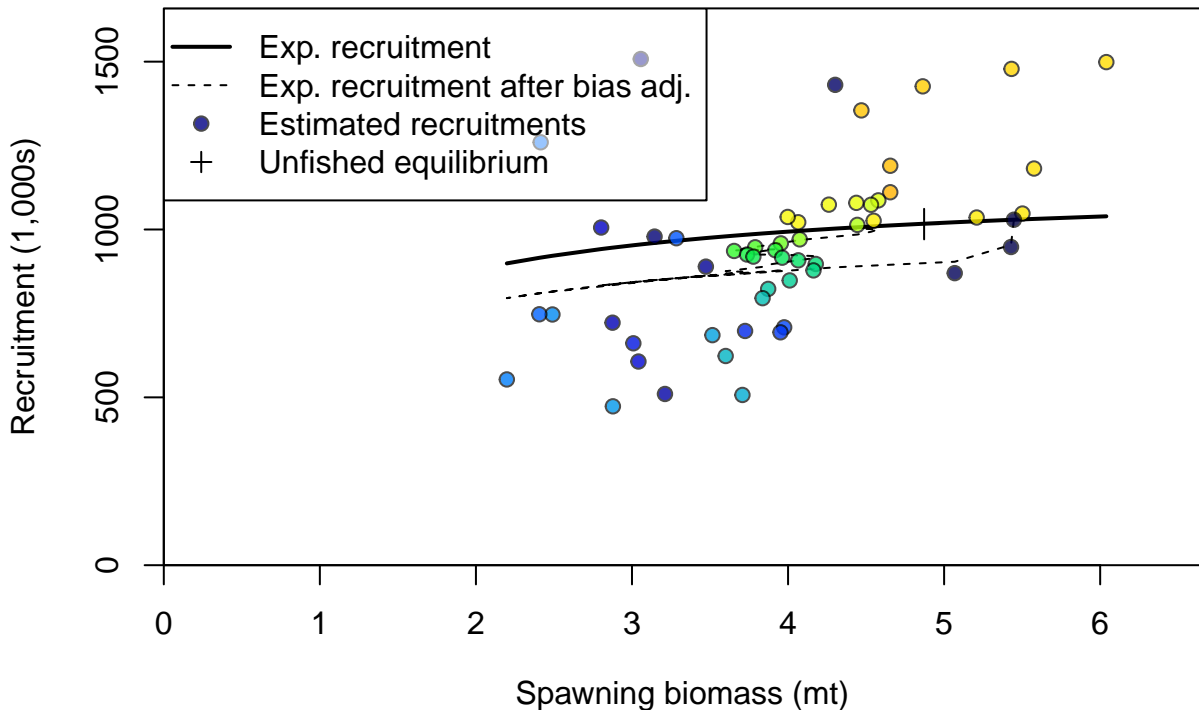
Summary Fishing Mortality

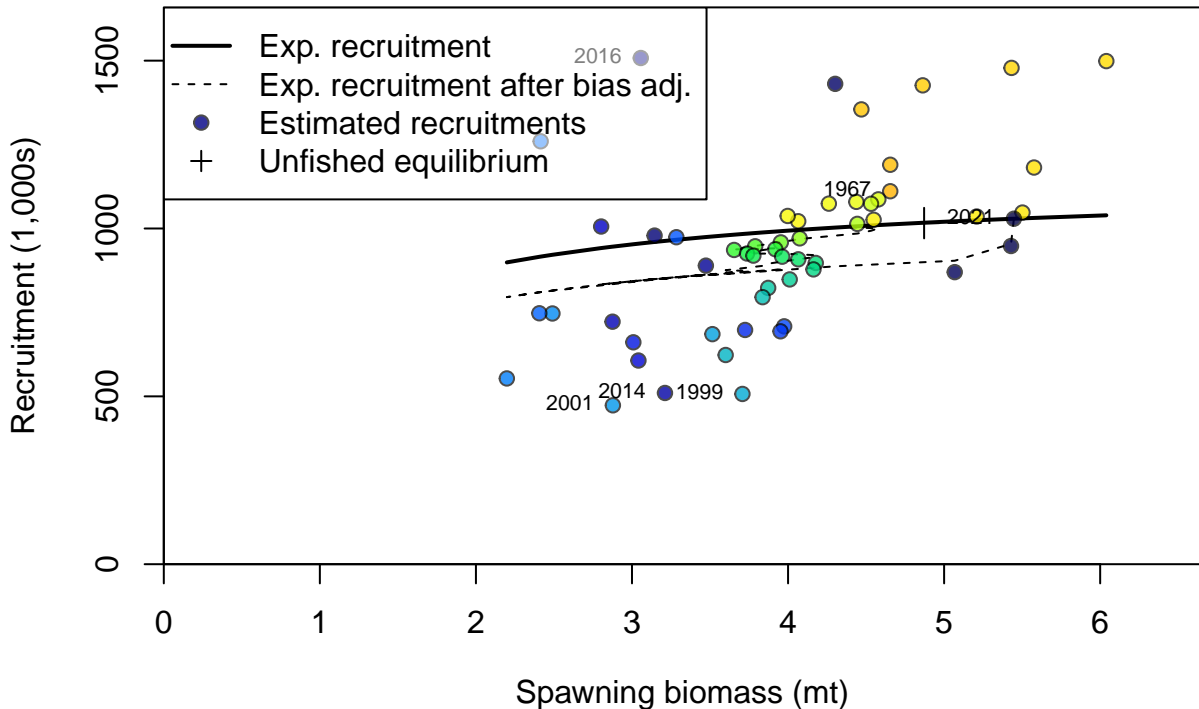


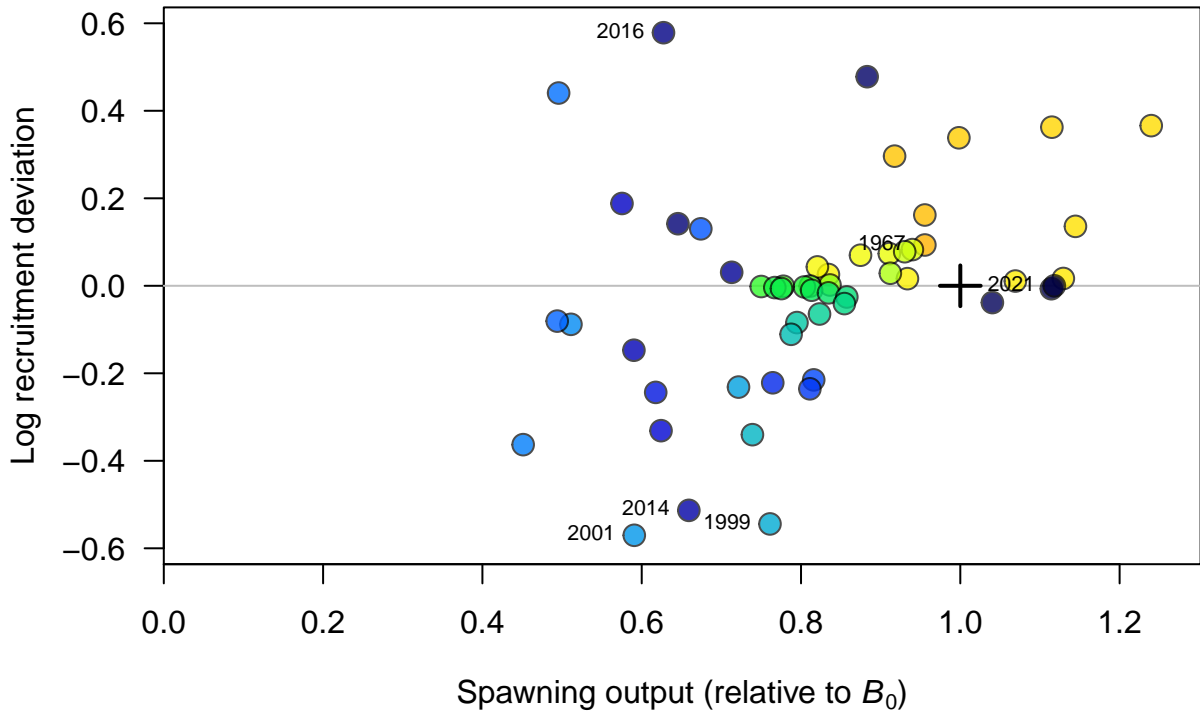


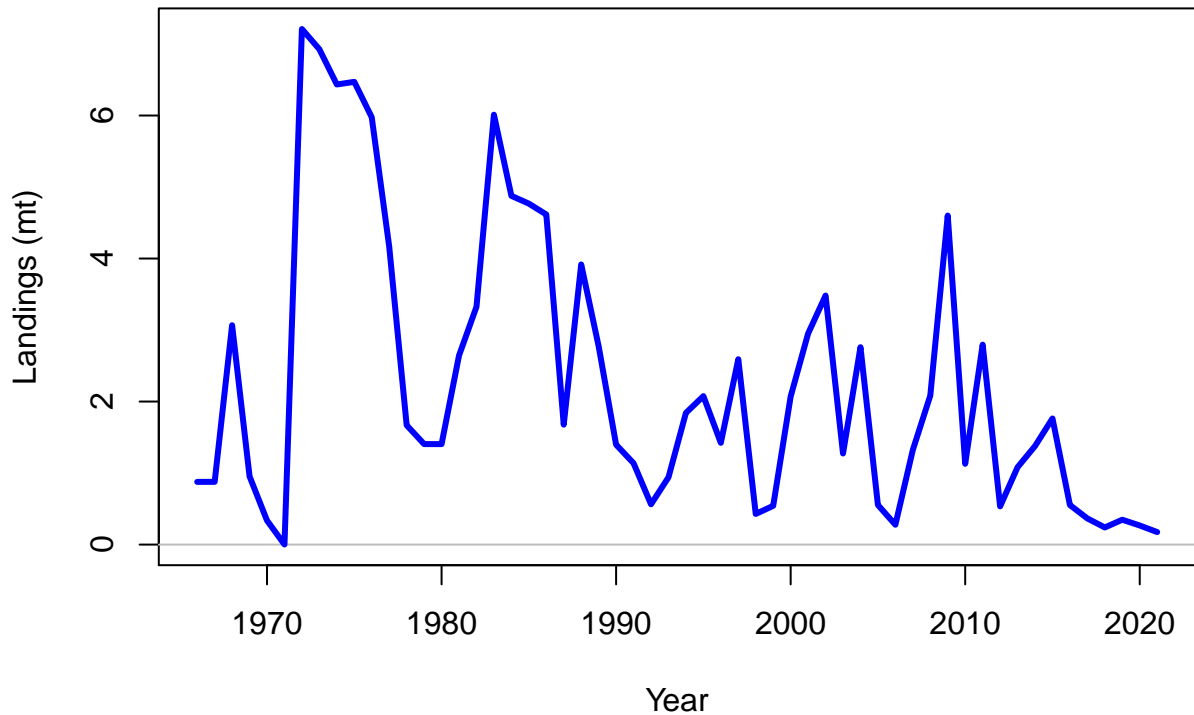
Log recruitment deviation

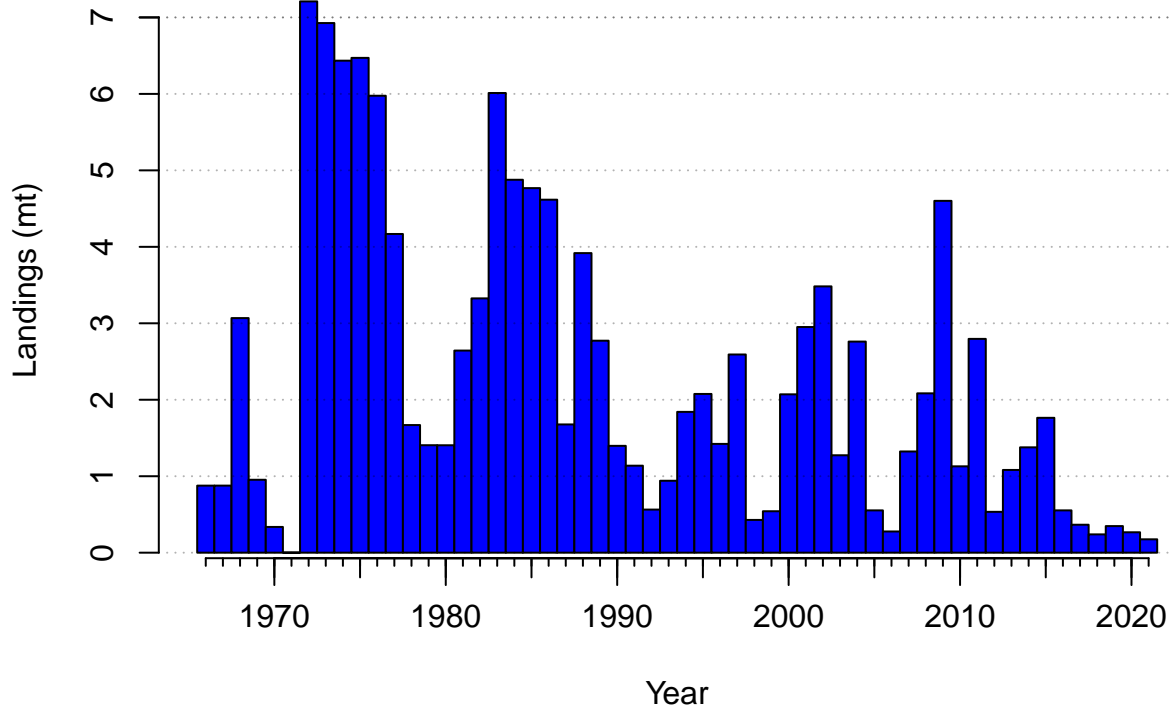




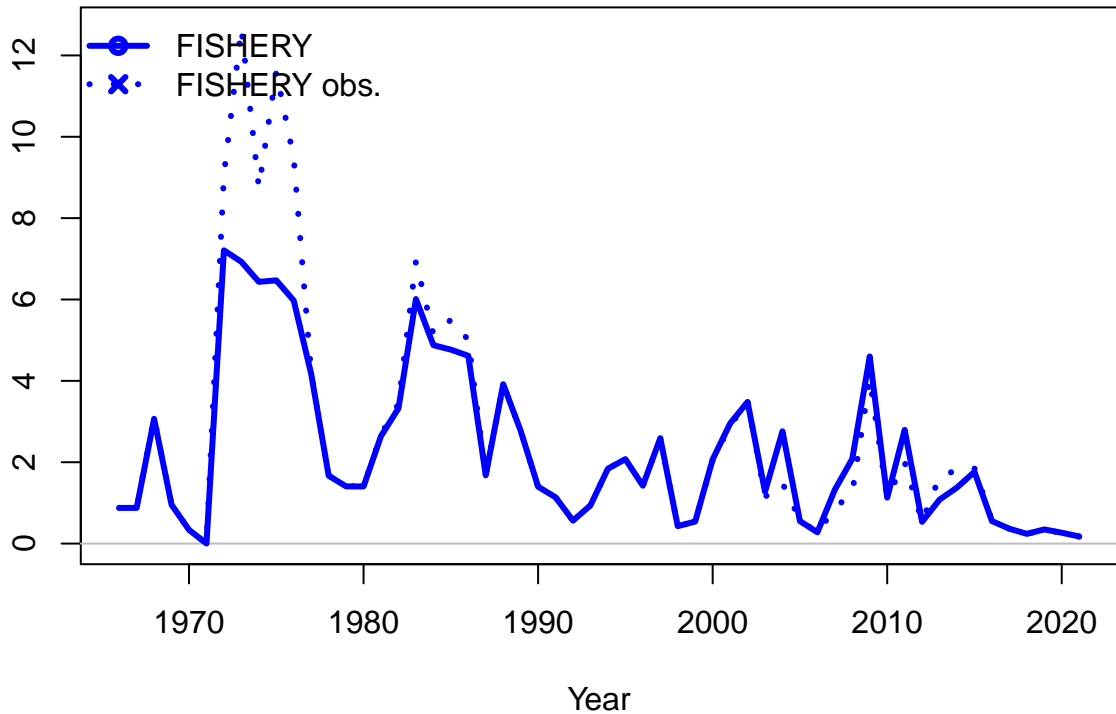


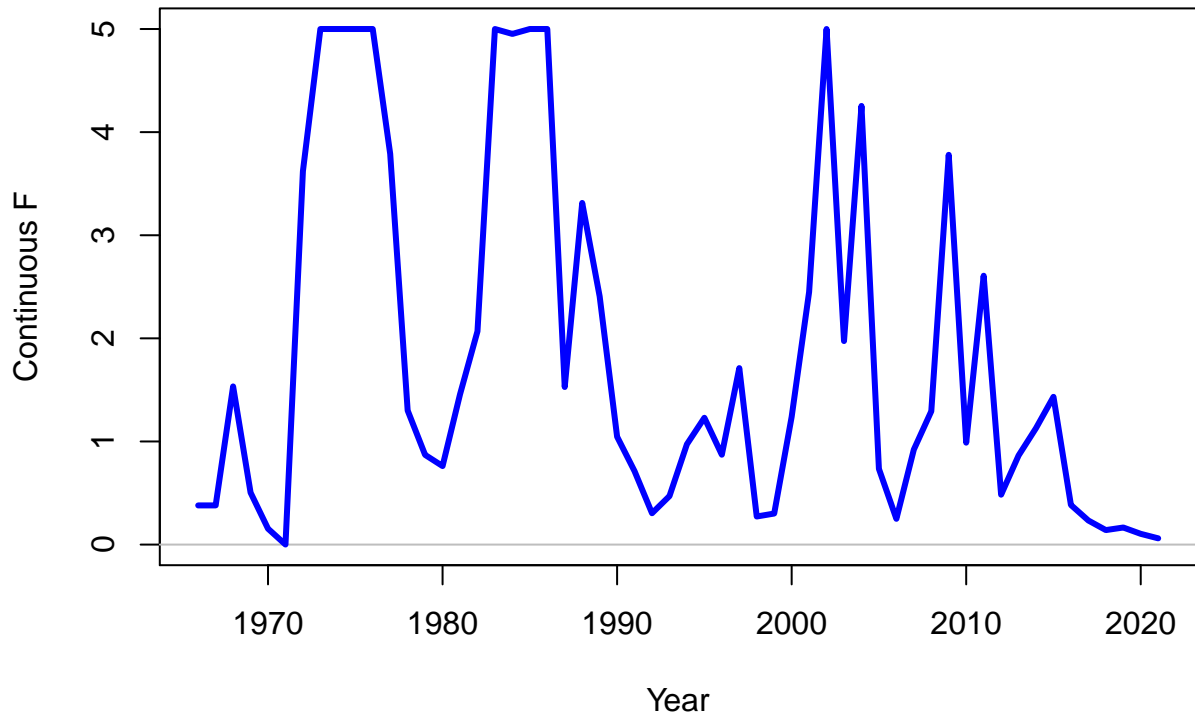




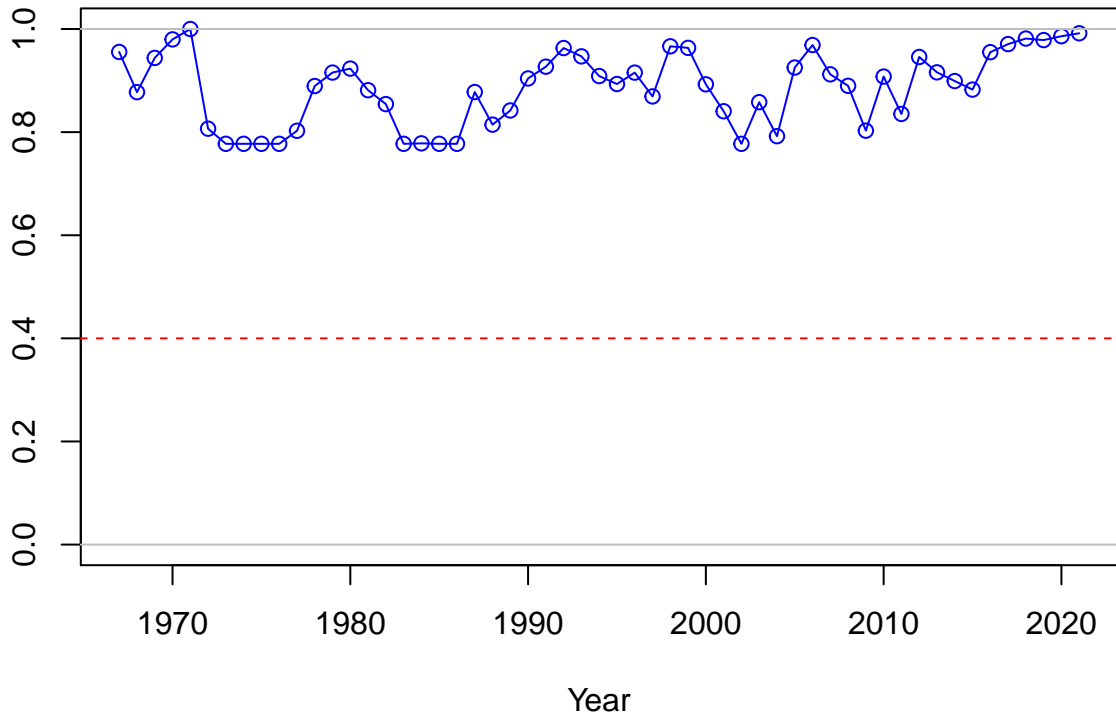


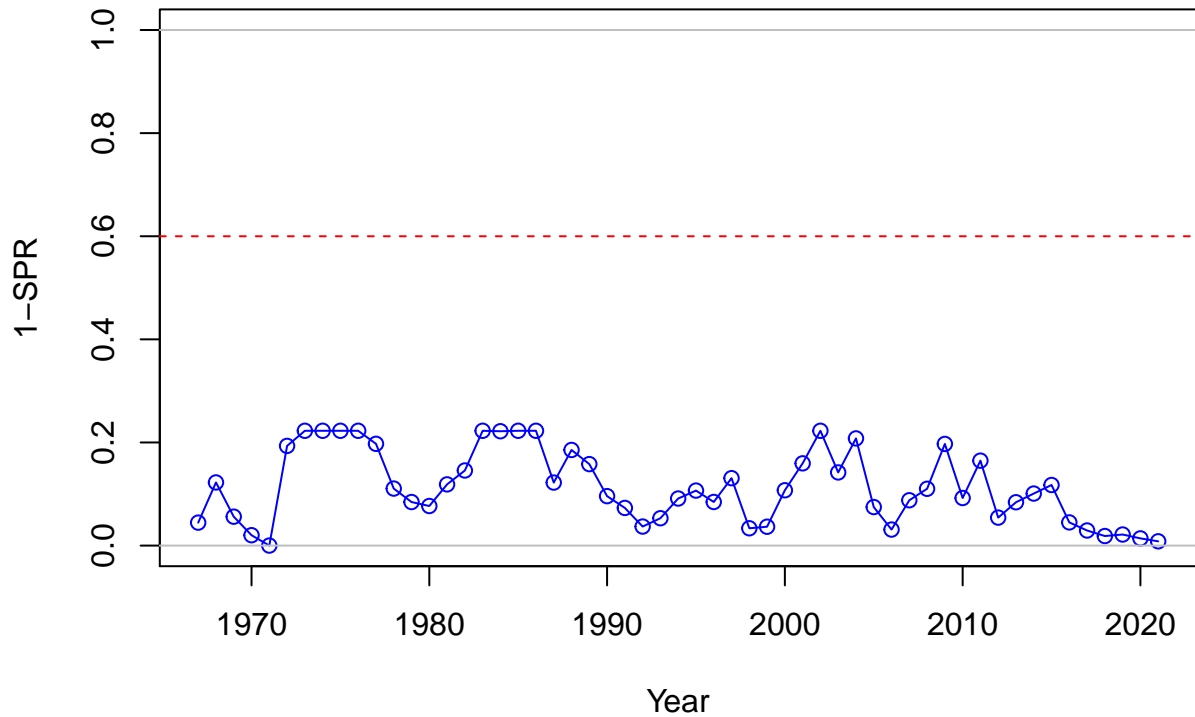
Observed and expected Landings (mt)



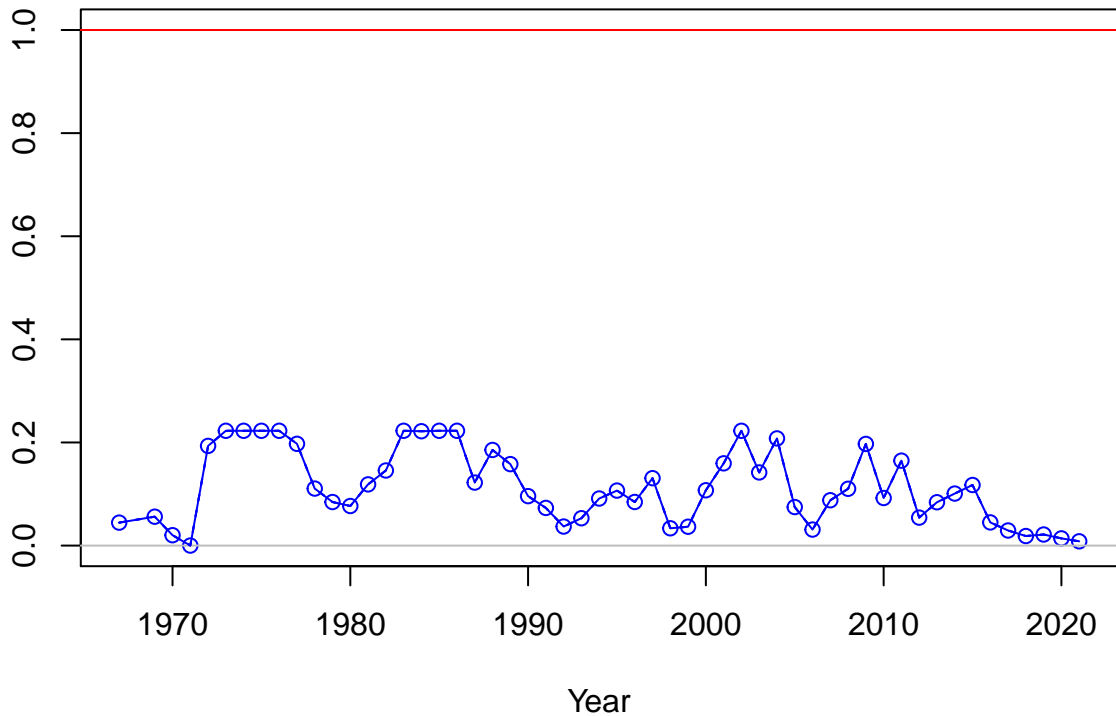


SPR

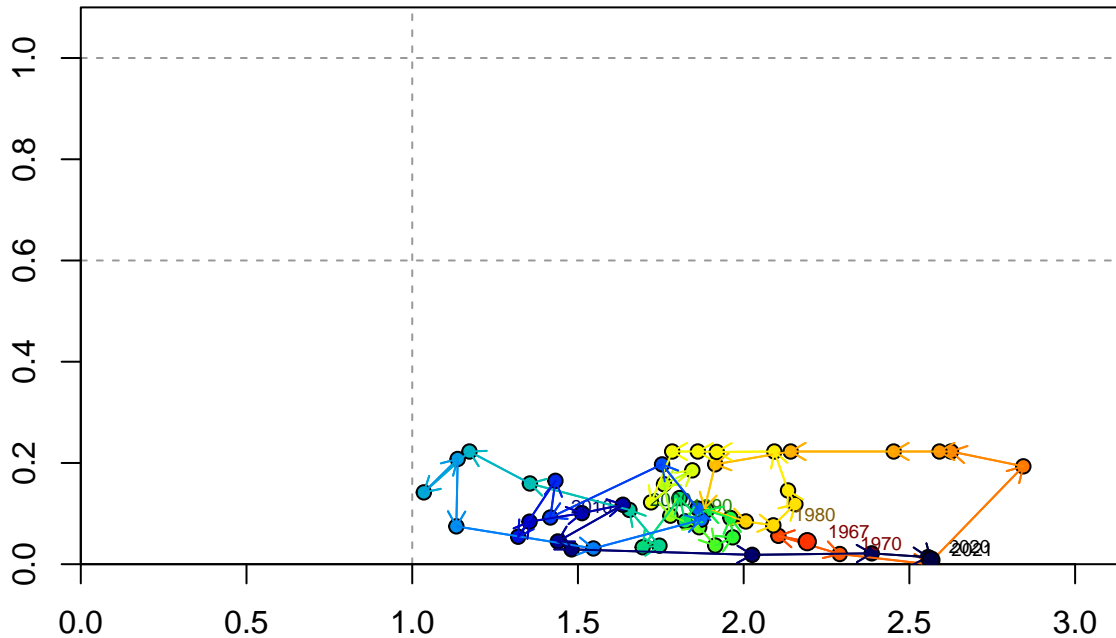




Fishing intensity: 1-SPR

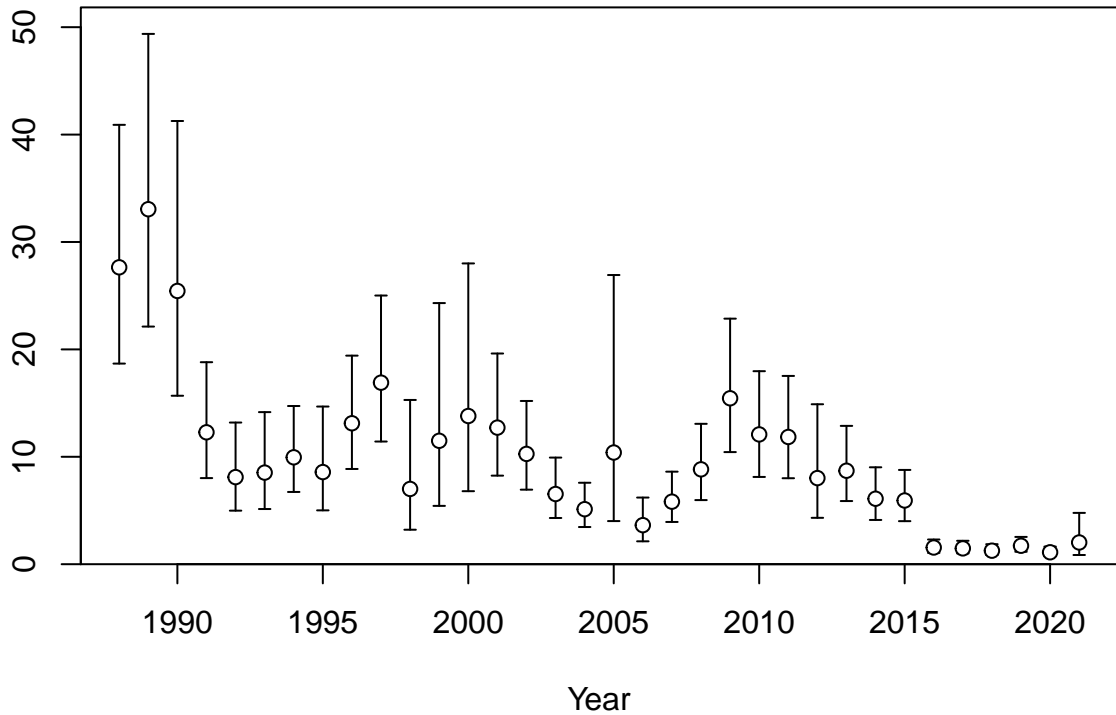


Fishing intensity: 1-SPR

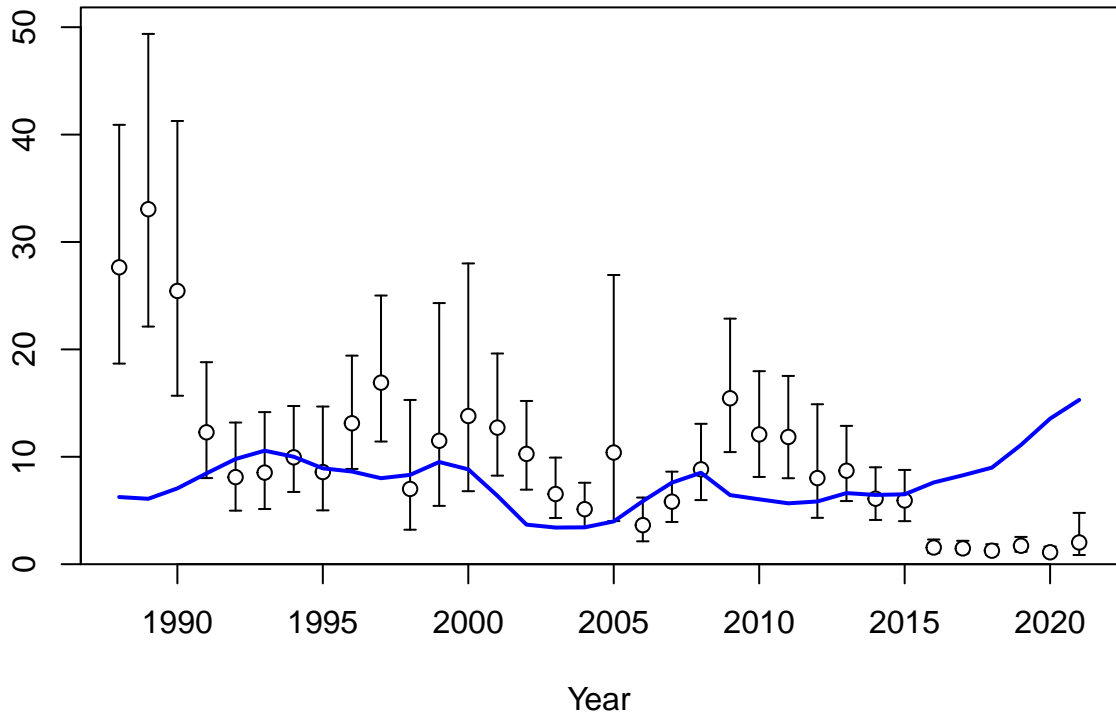


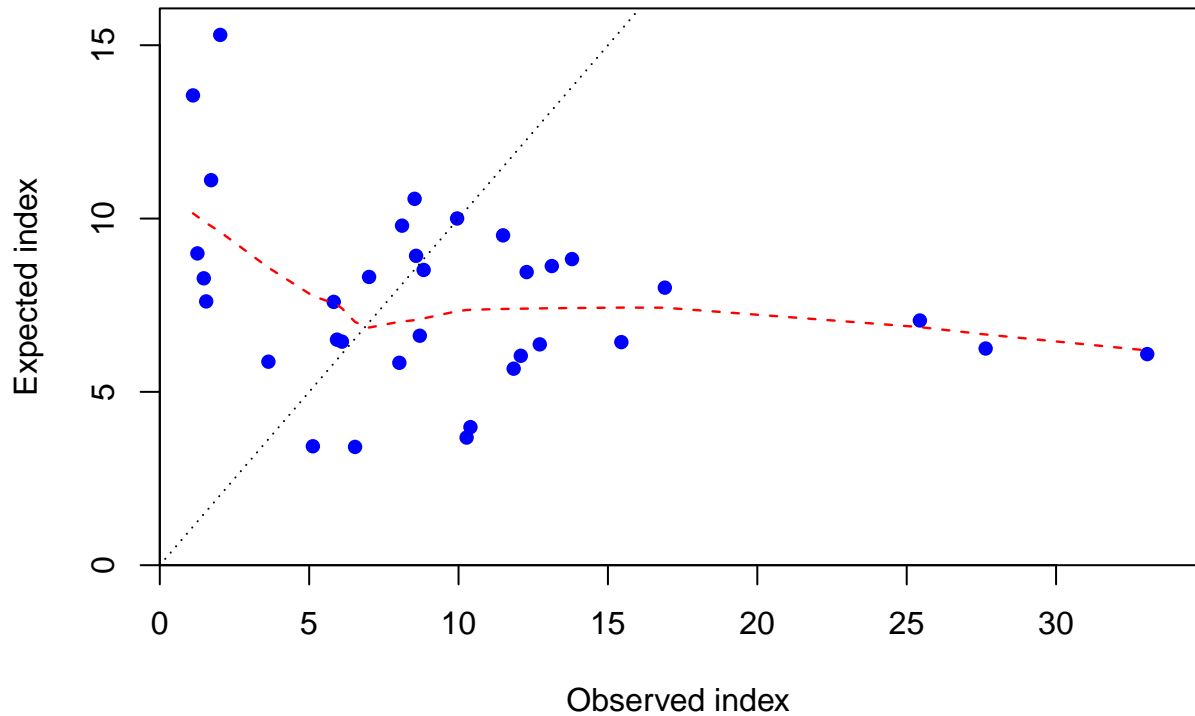
Relative spawning output: B/B_{MSY}

Index

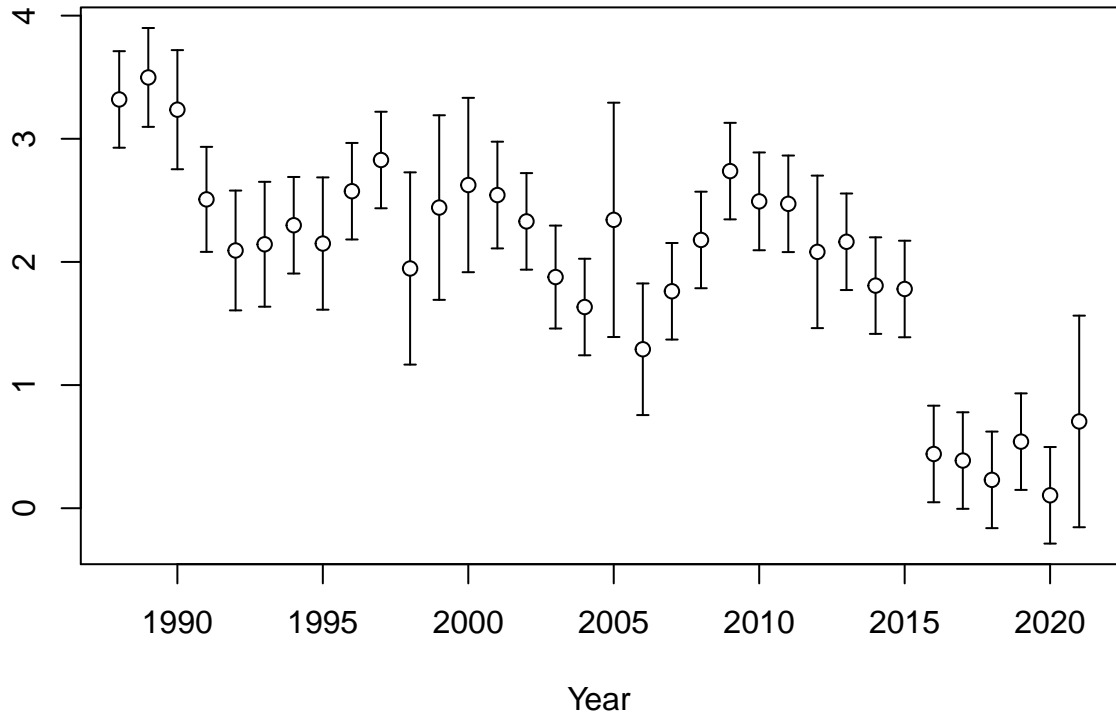


Index

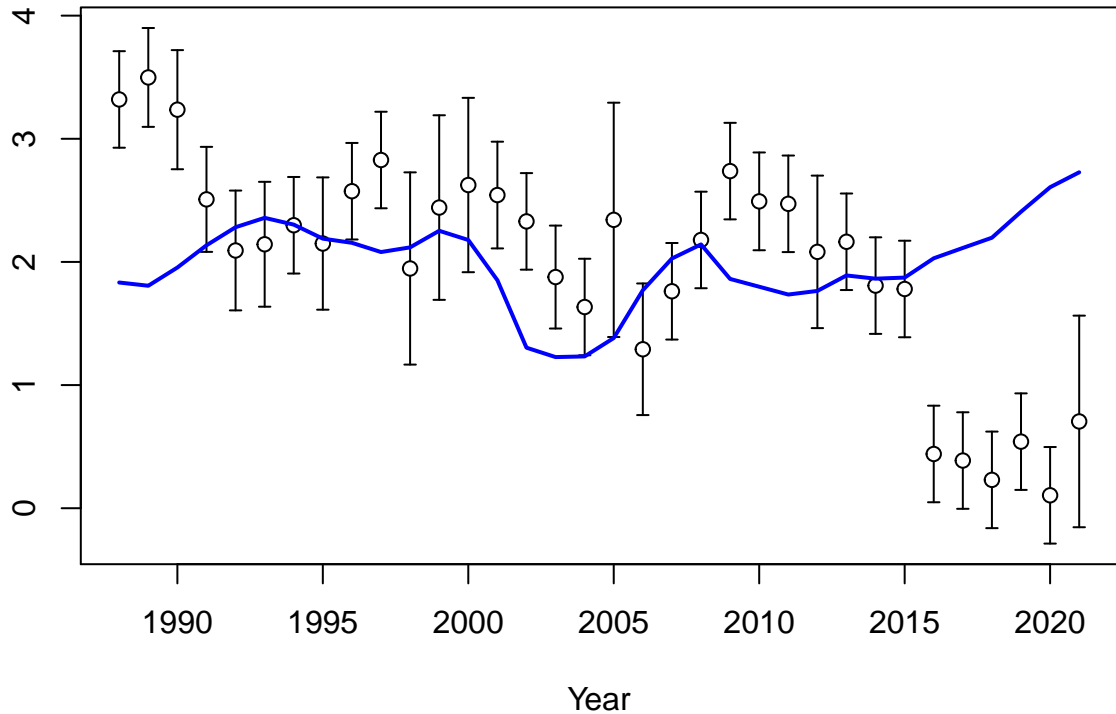


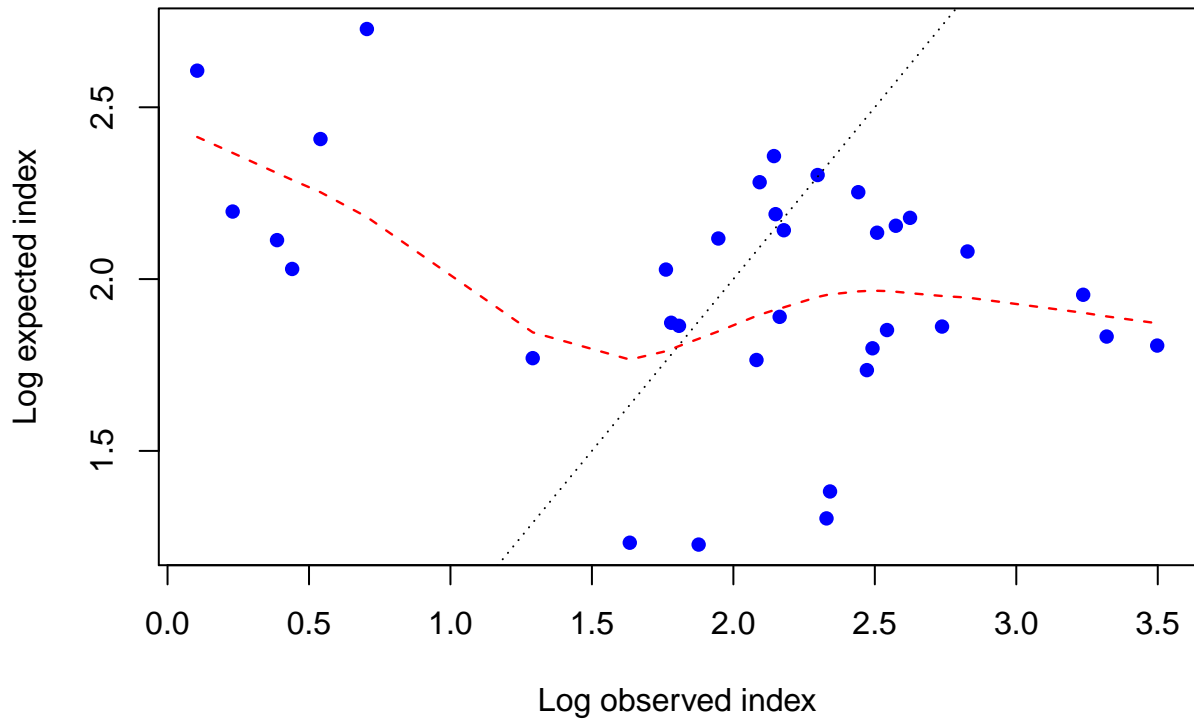


Log index



Log index





Effective catchability

5.286778
5.286774
5.286770

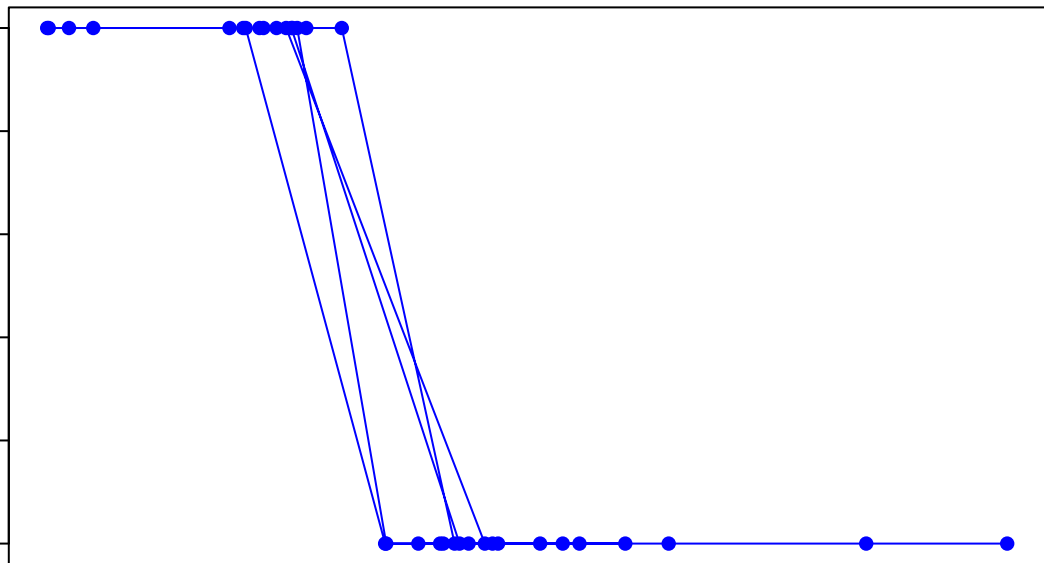
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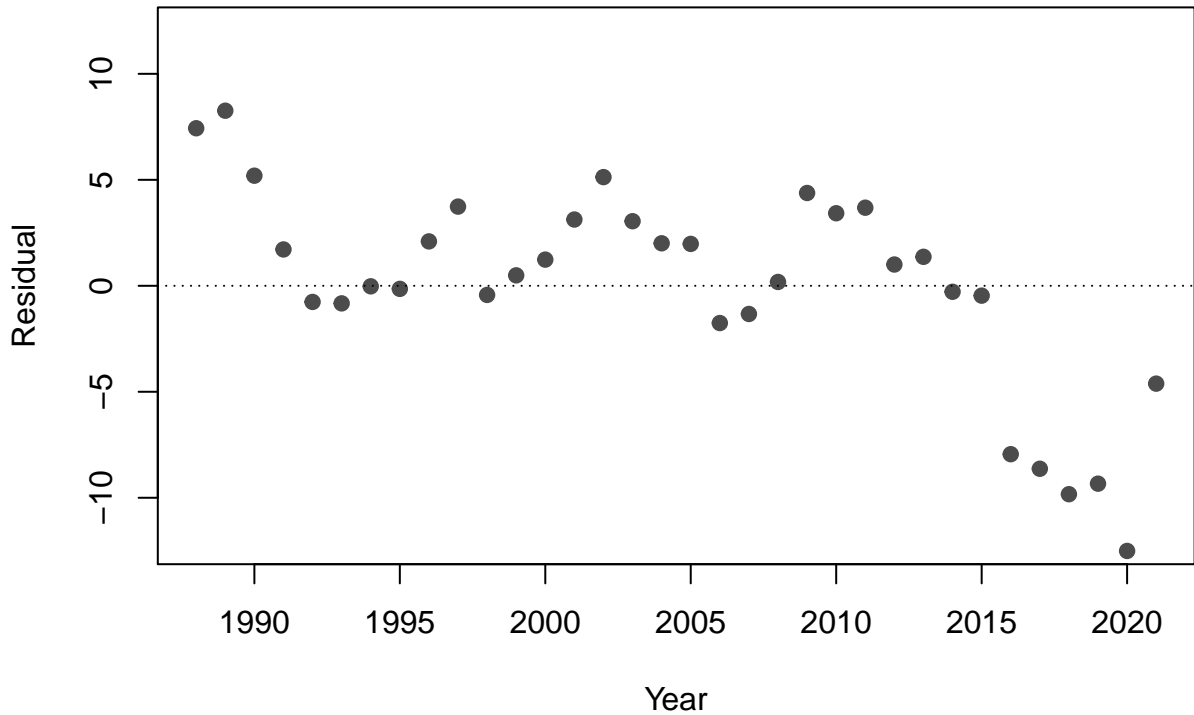
Vulnerable biomass

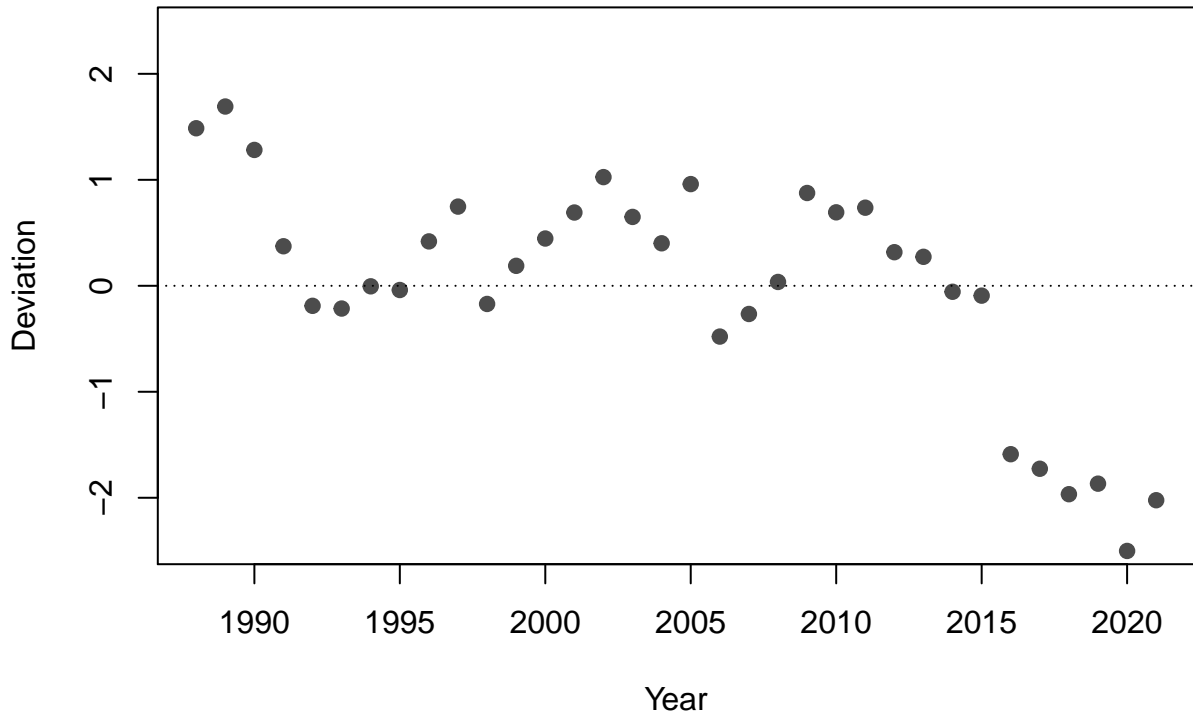
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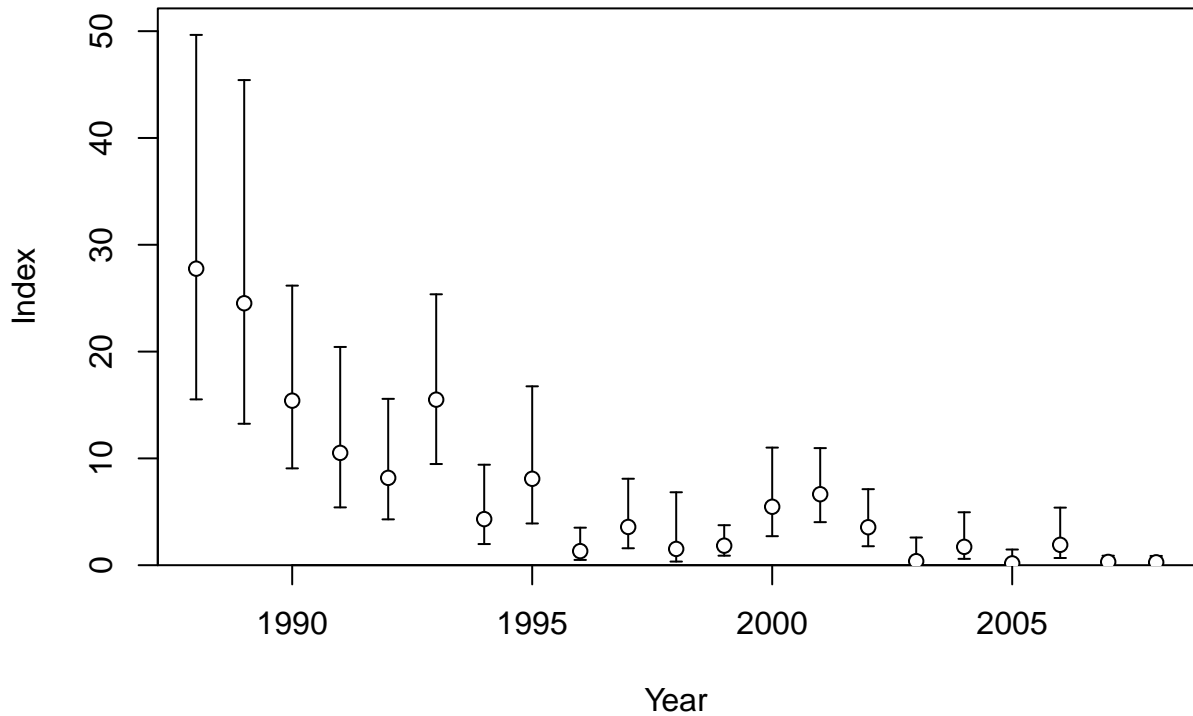
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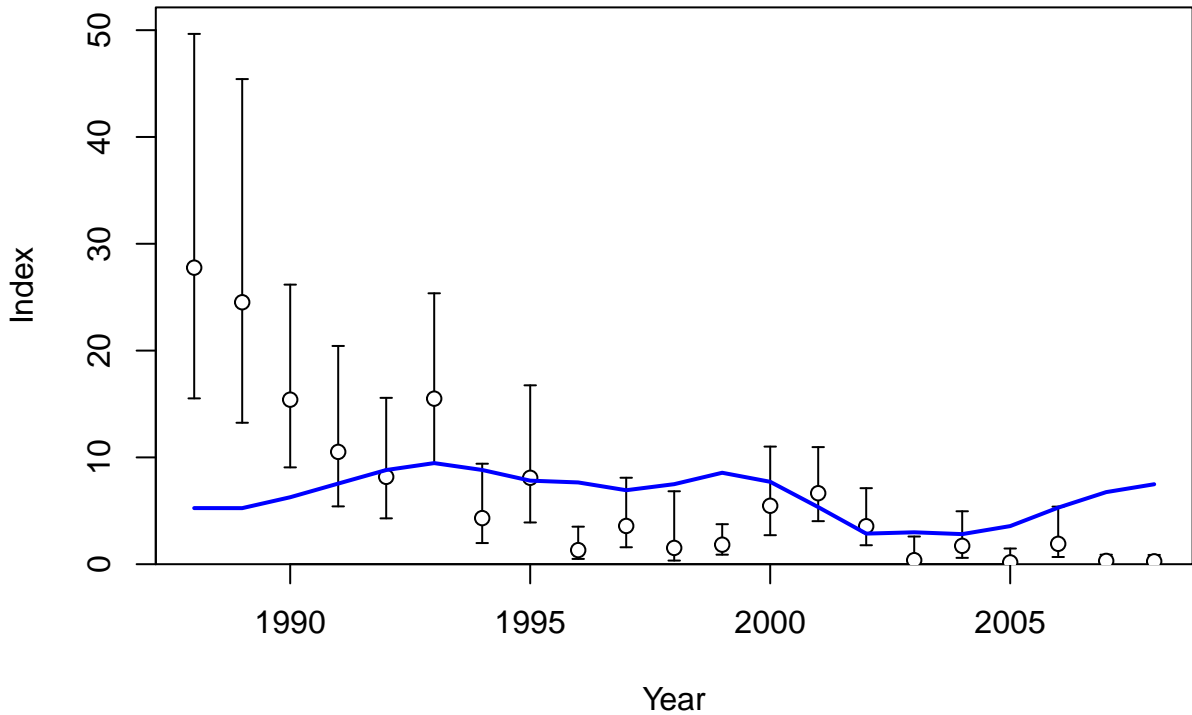
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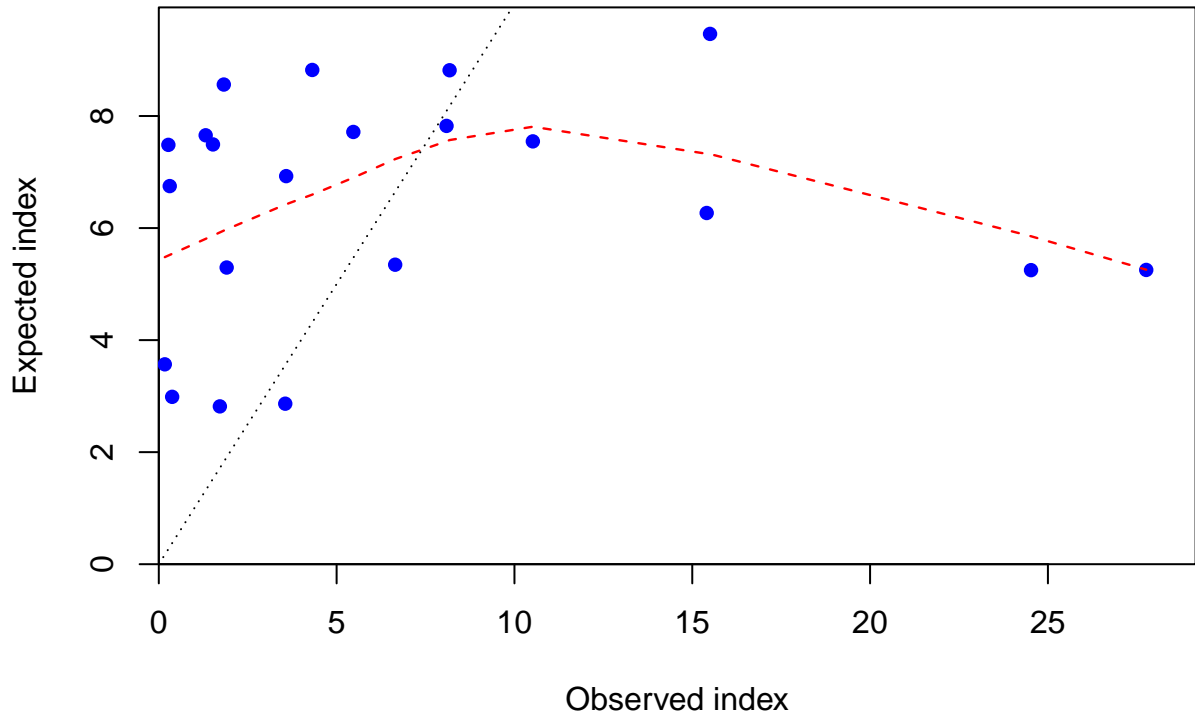


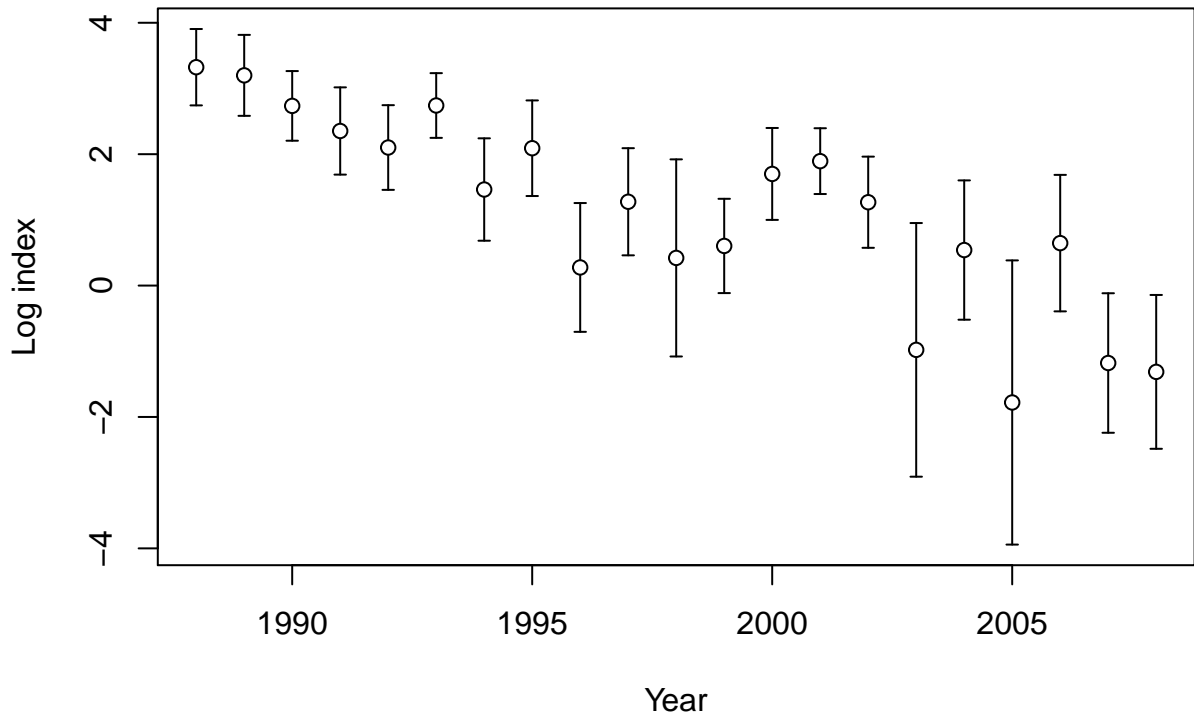


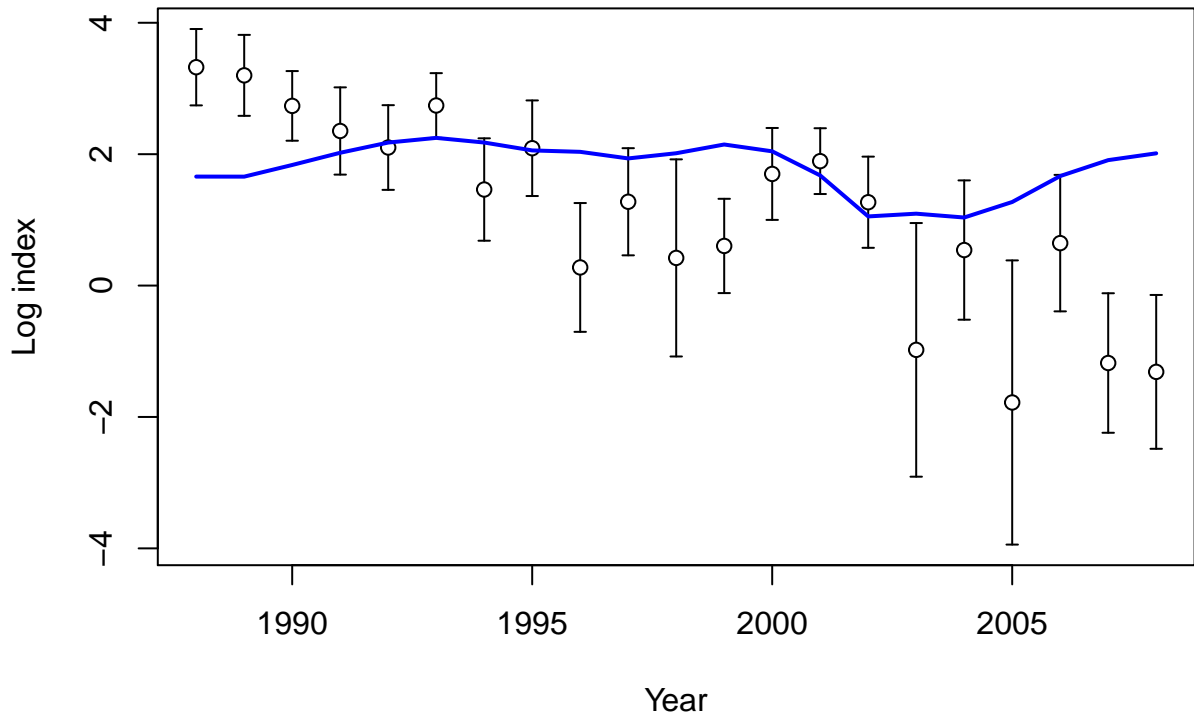


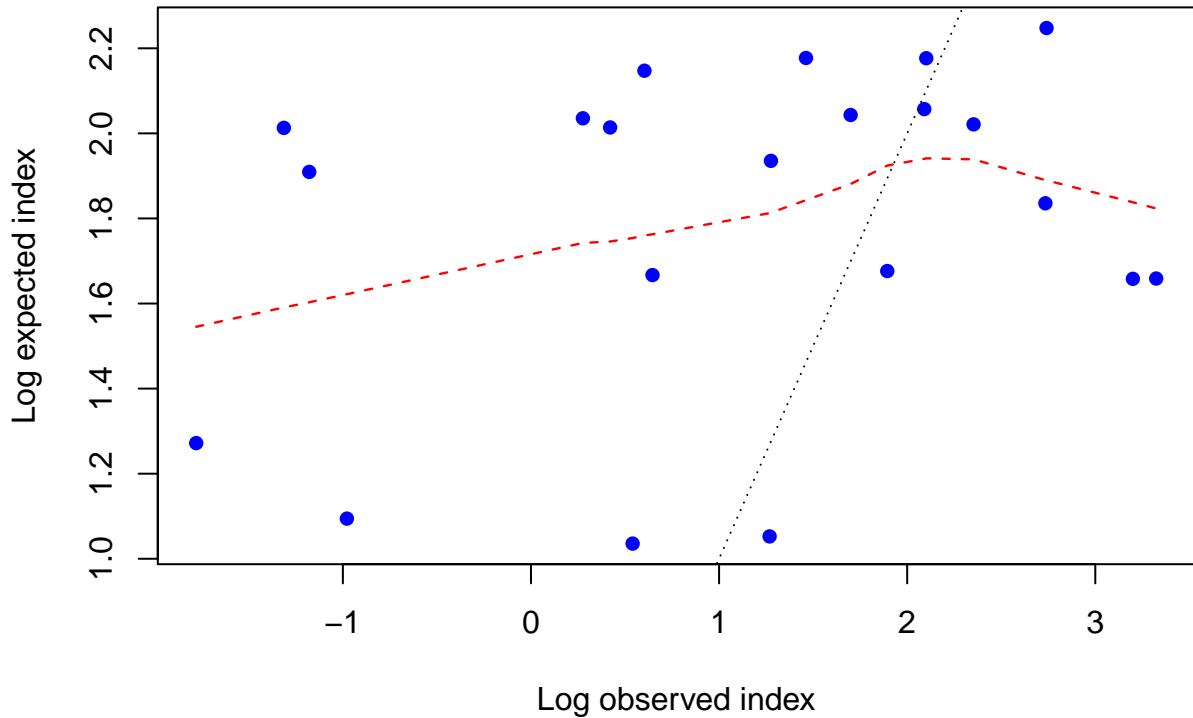


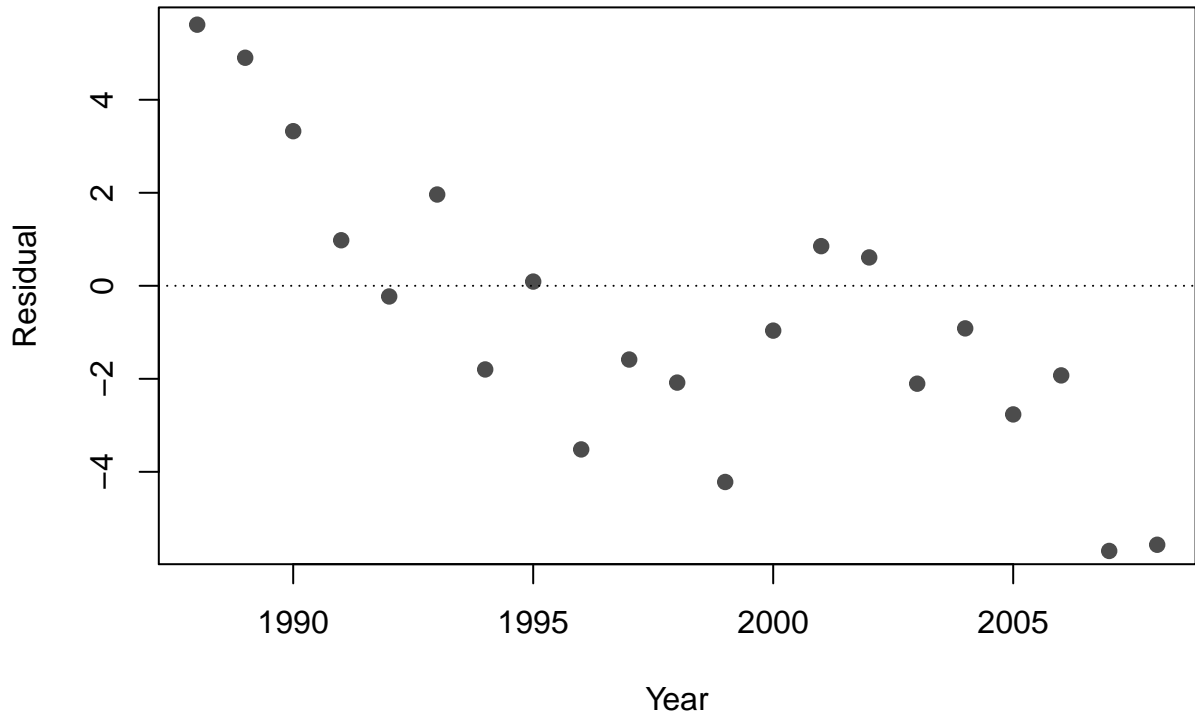


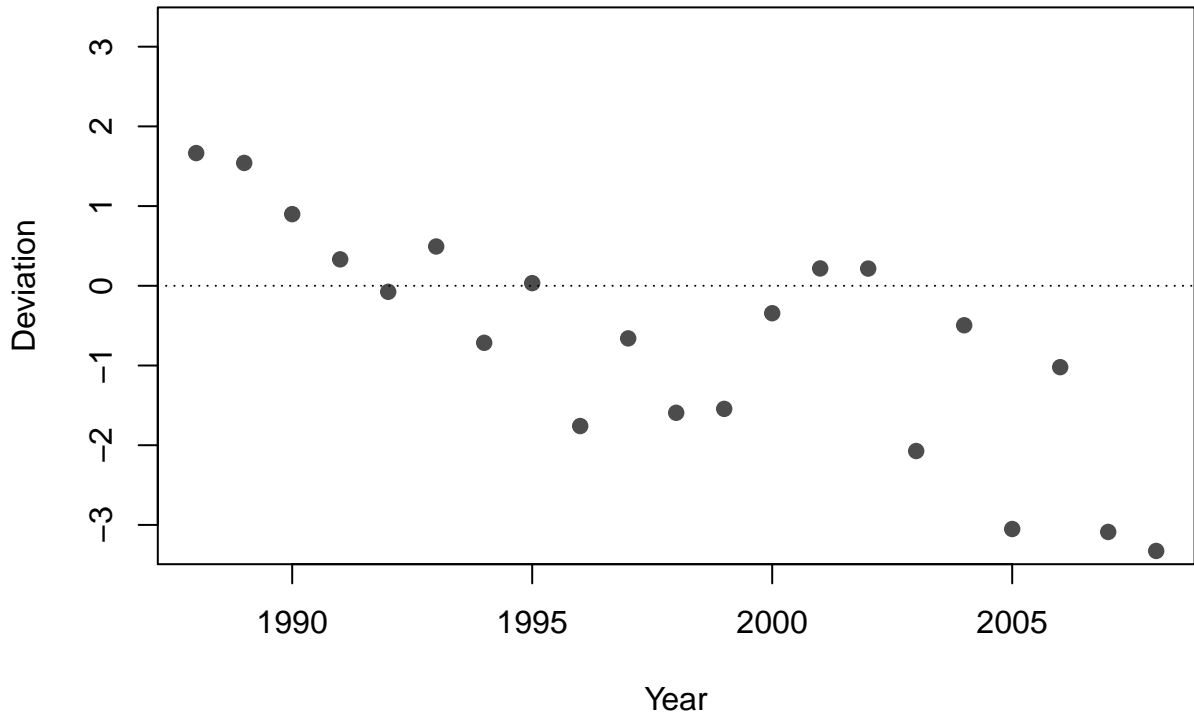


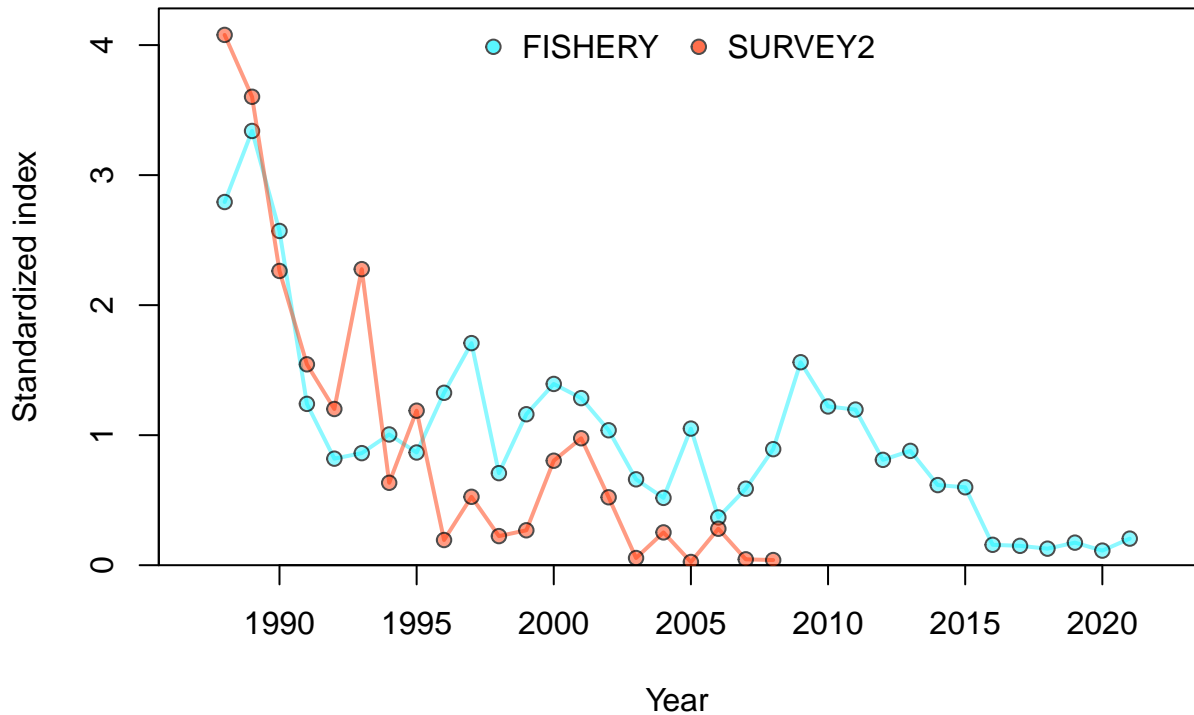




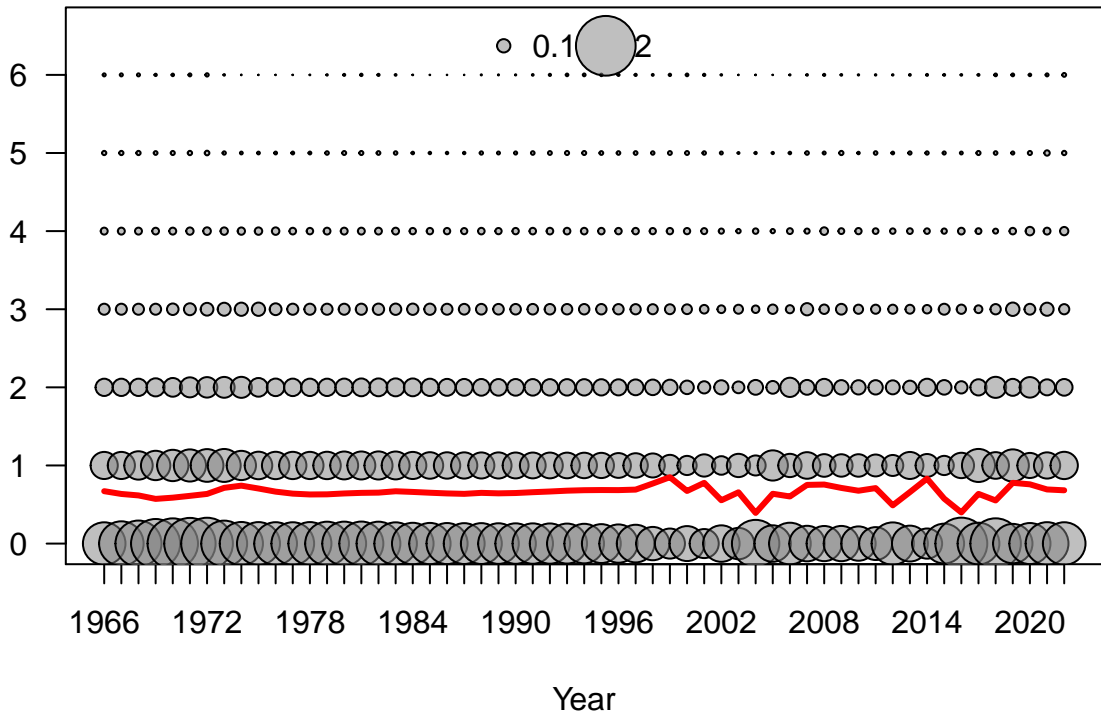


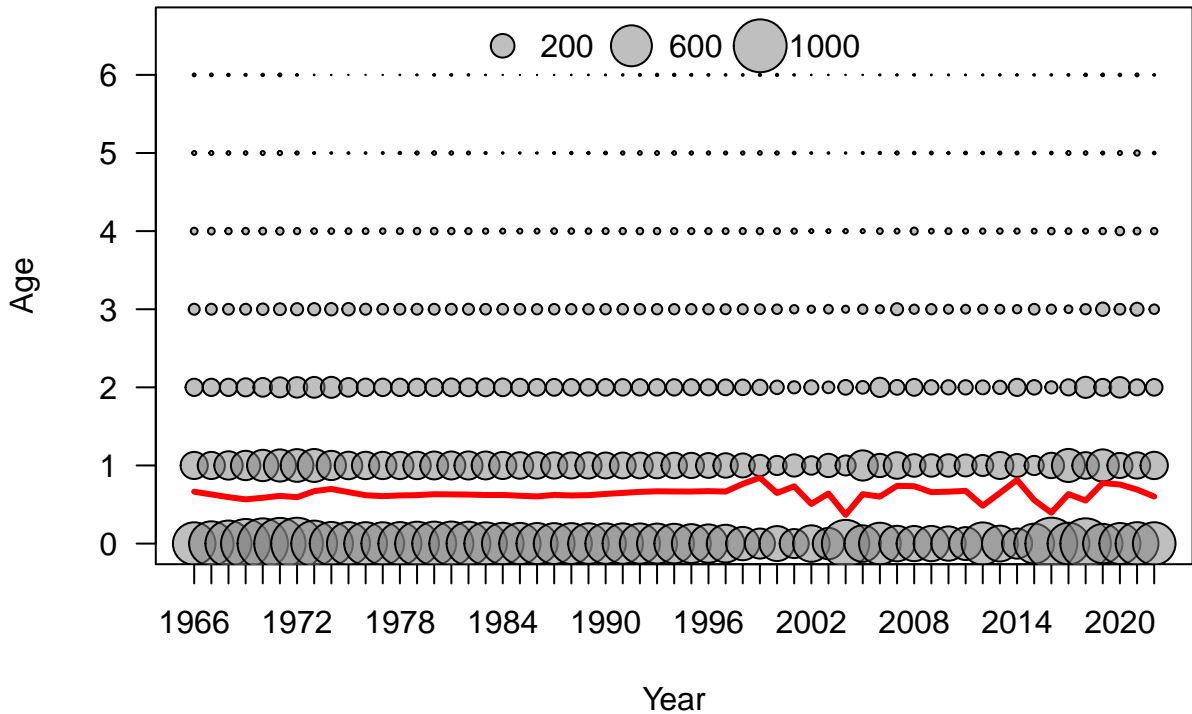


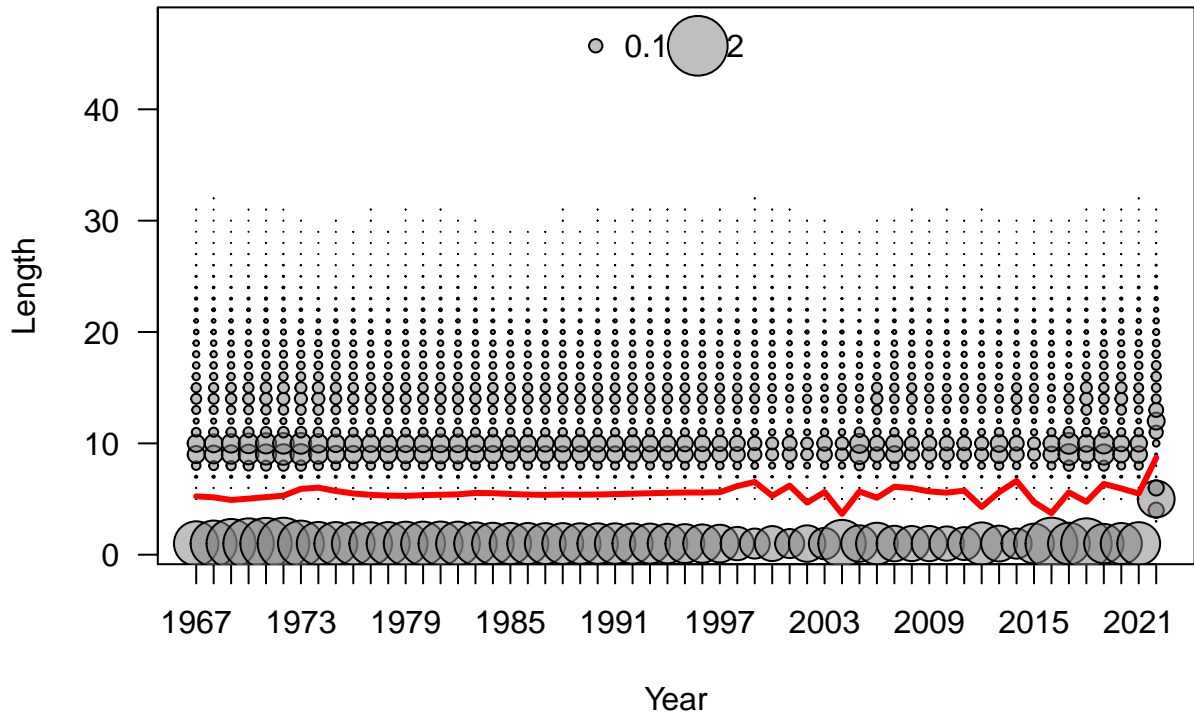


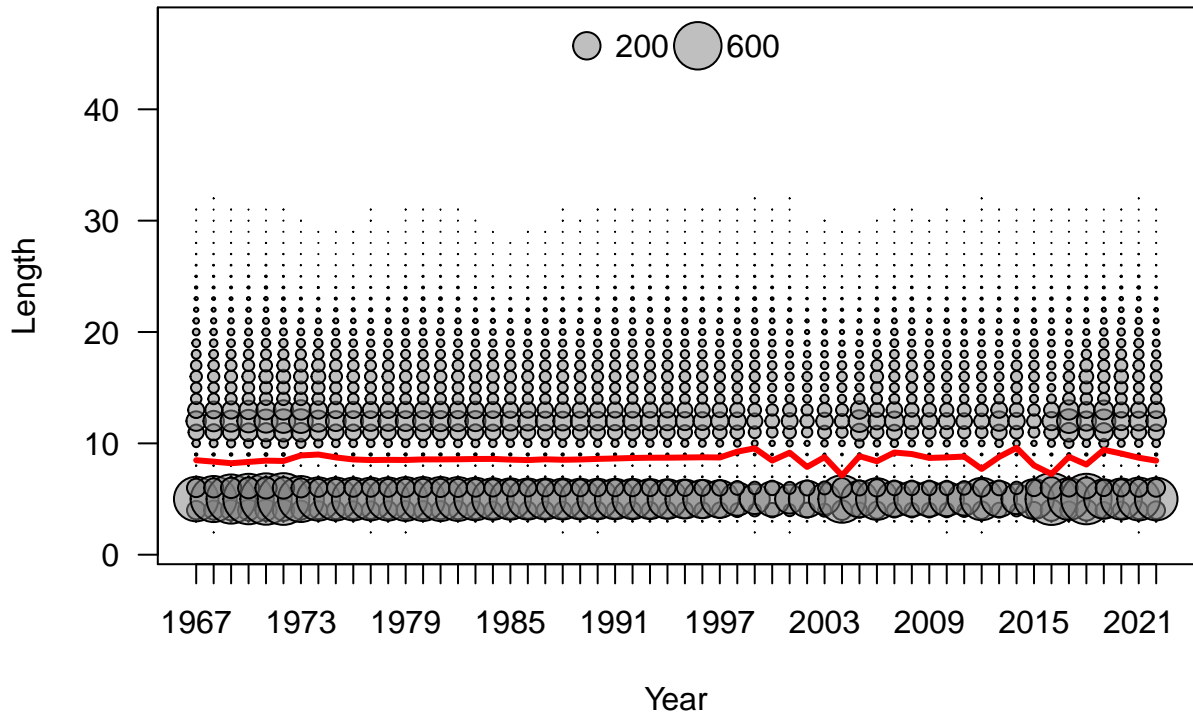


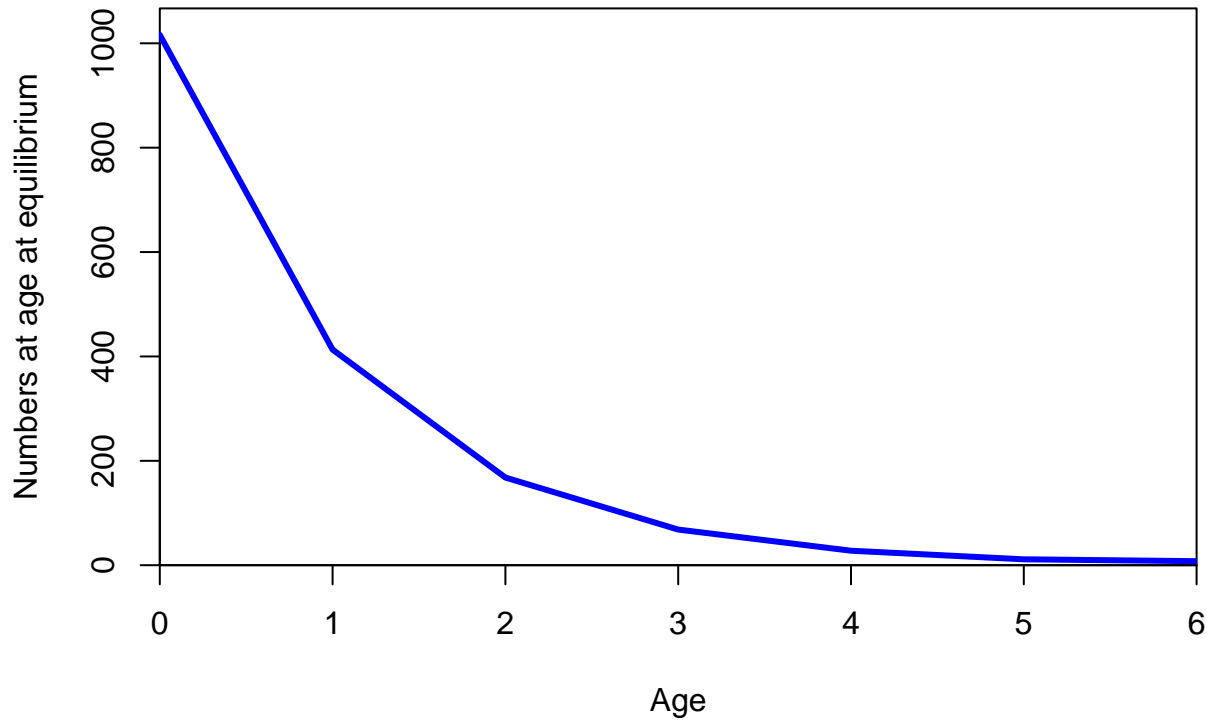
Age





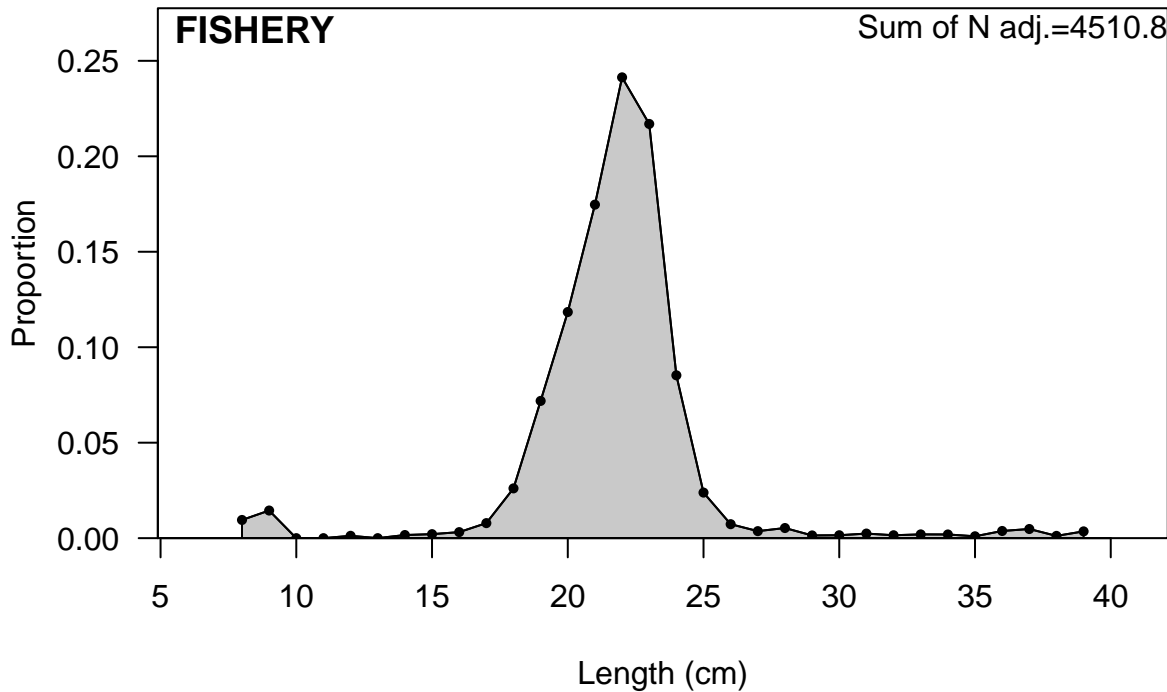


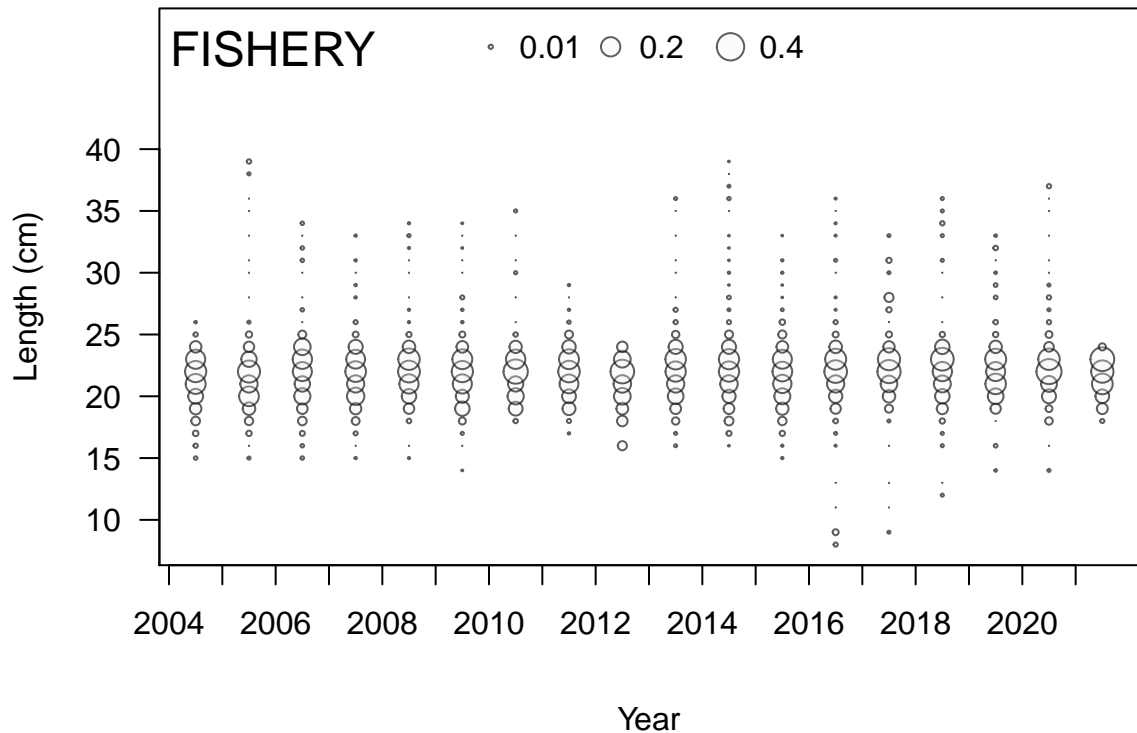


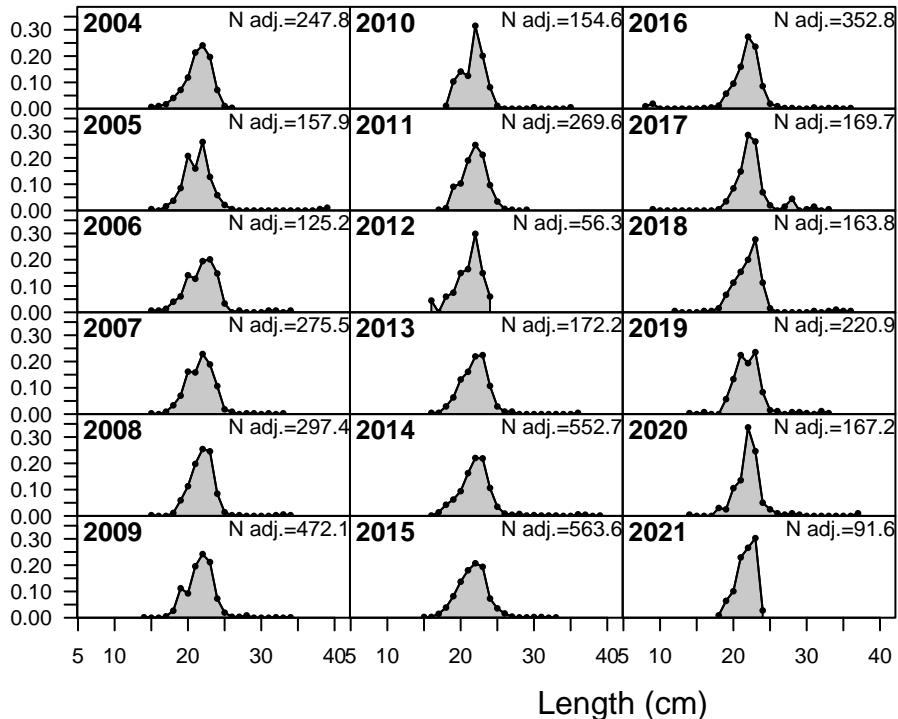


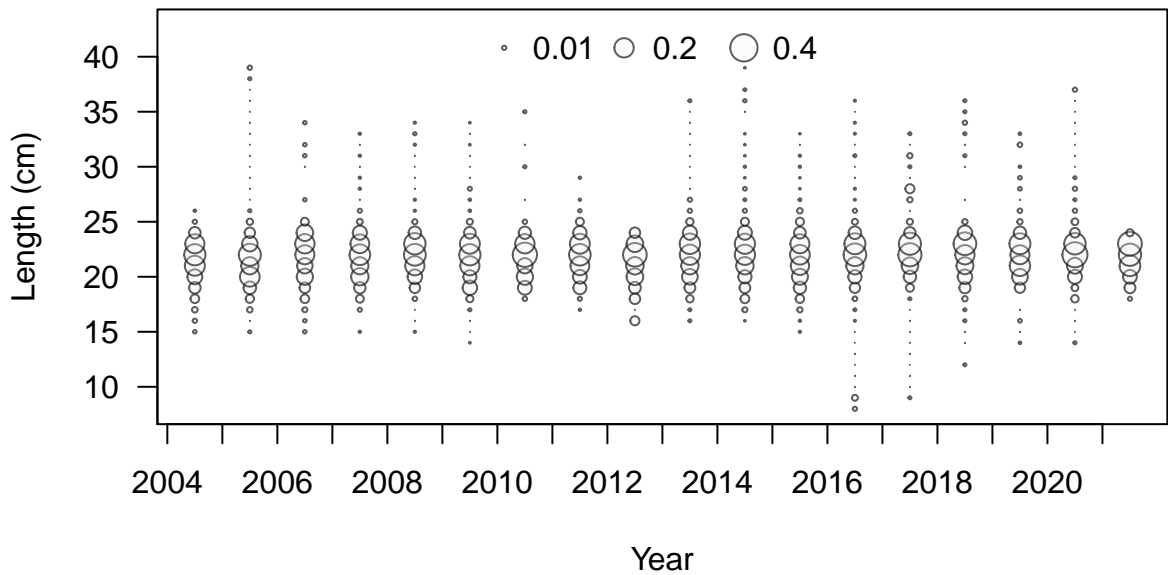
FISHERY

Sum of N adj.=4510.8

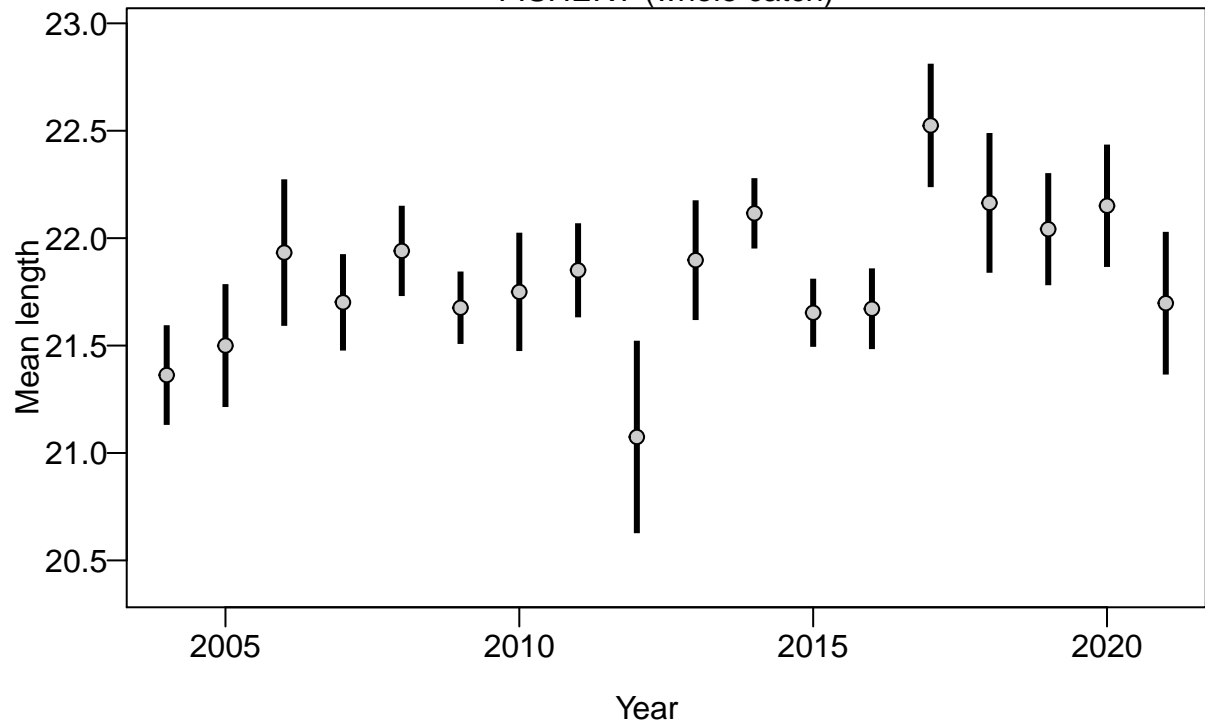






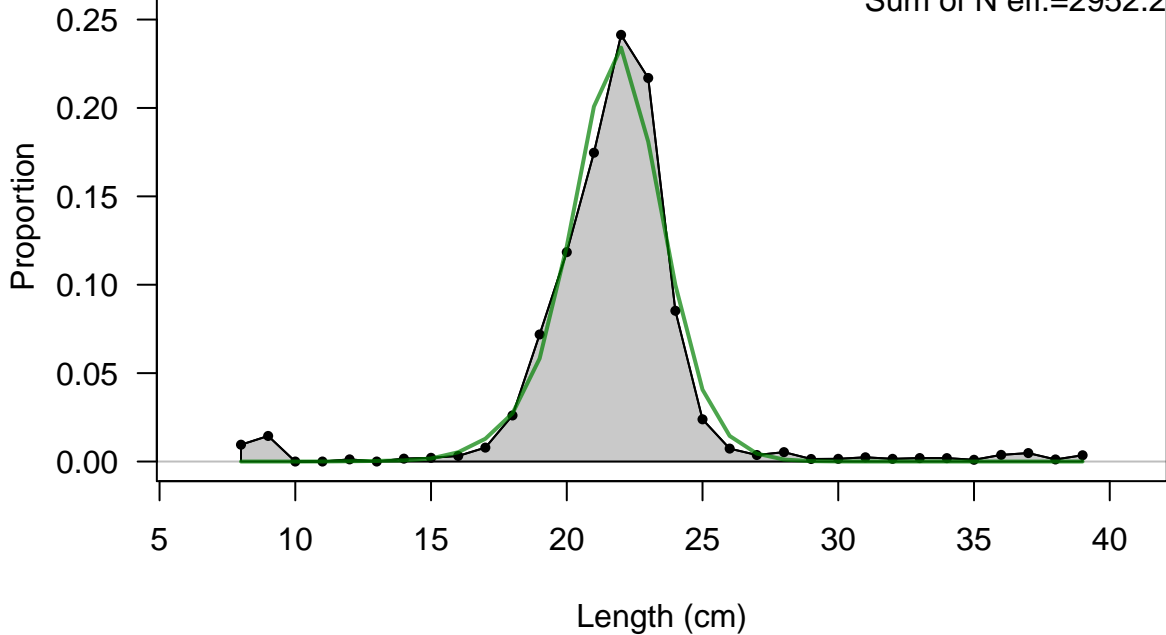


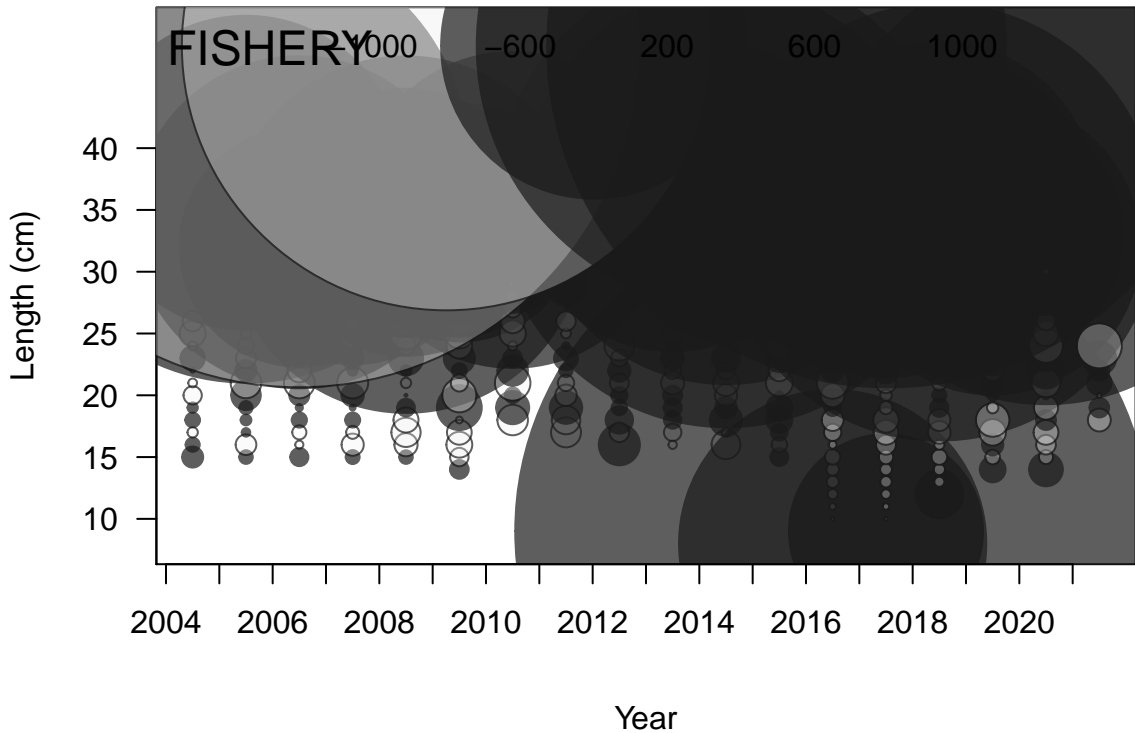
FISHERY (whole catch)

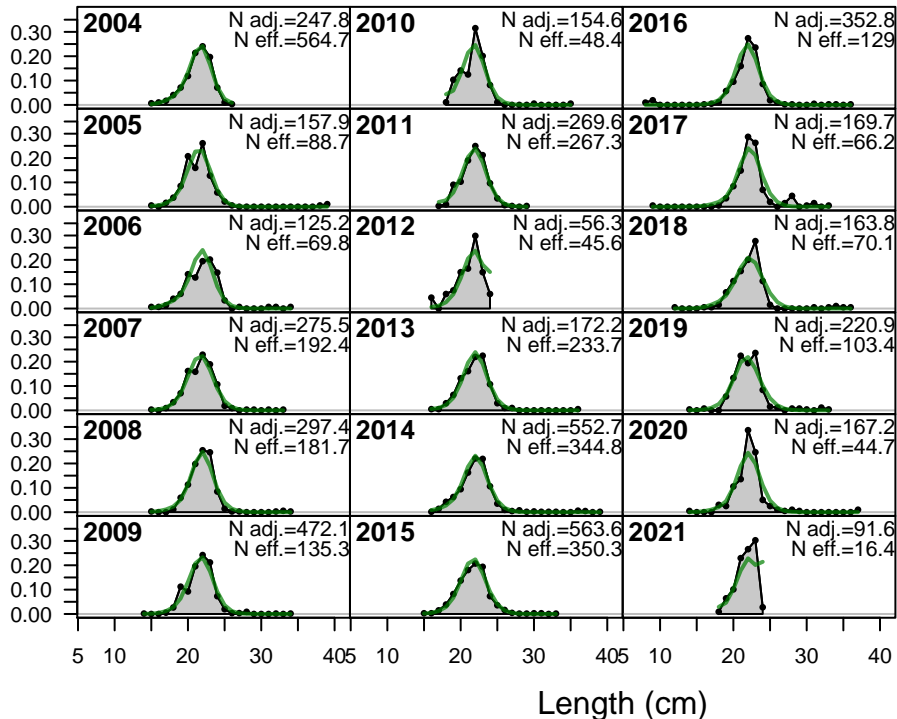


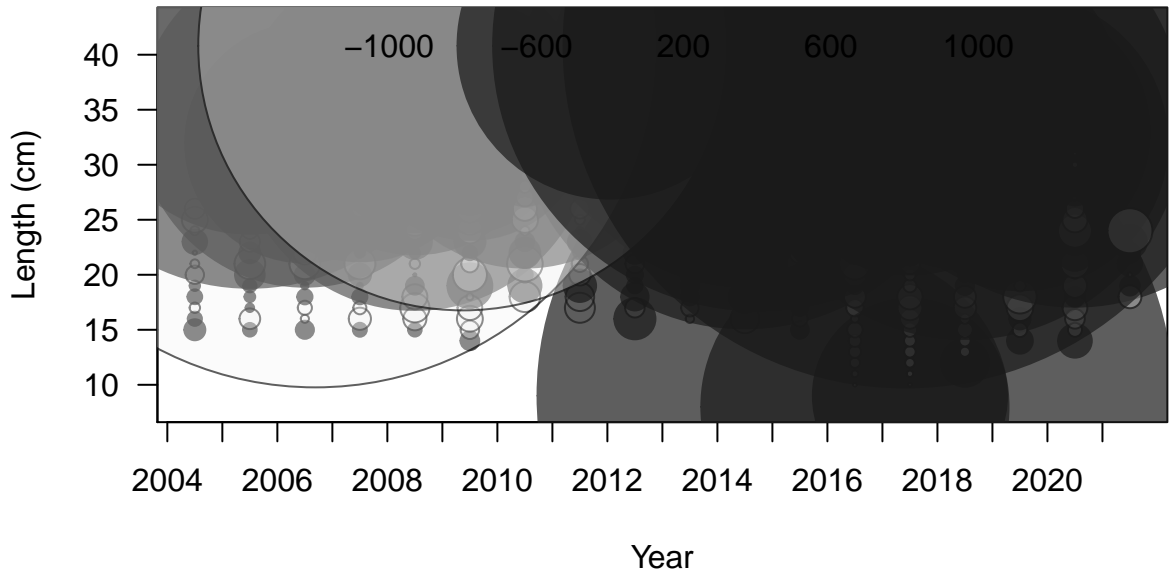
FISHERY

Sum of N adj.=4510.8
Sum of N eff.=2952.2

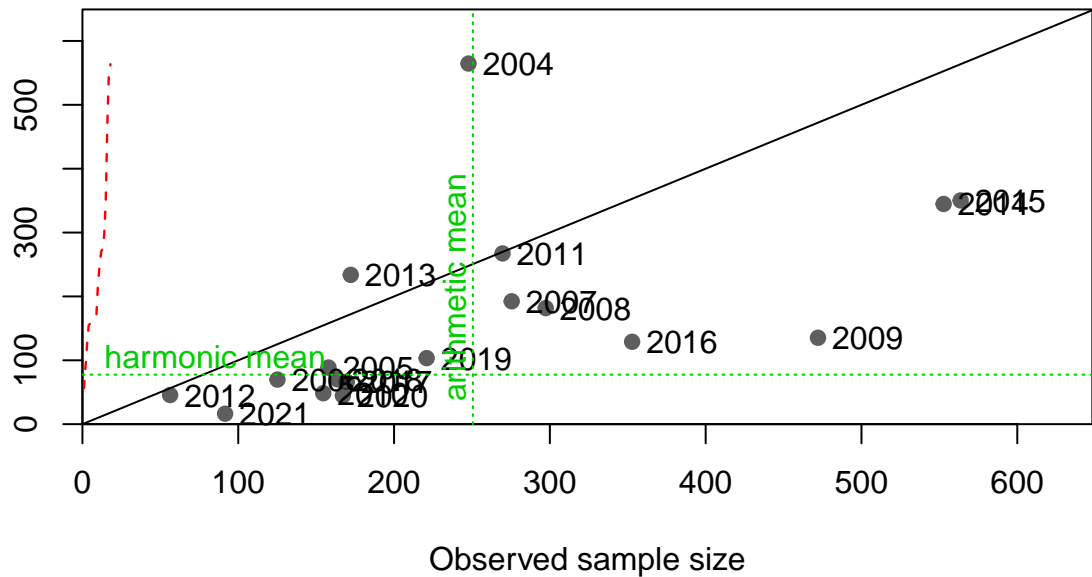




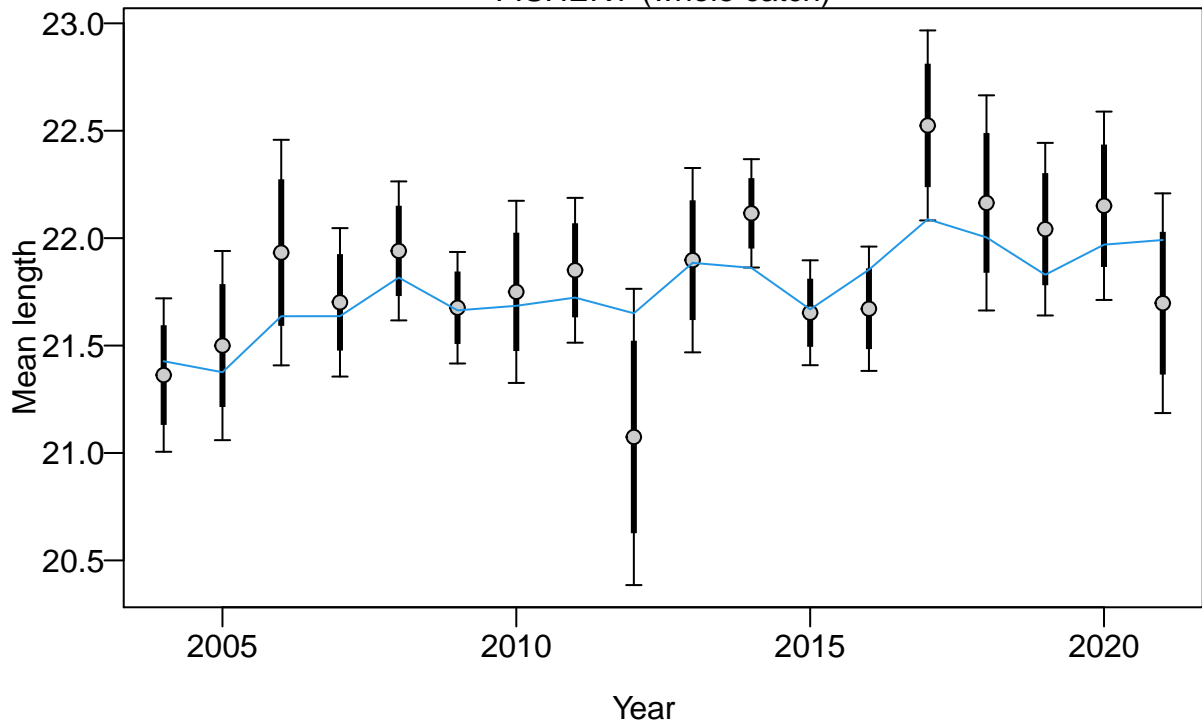


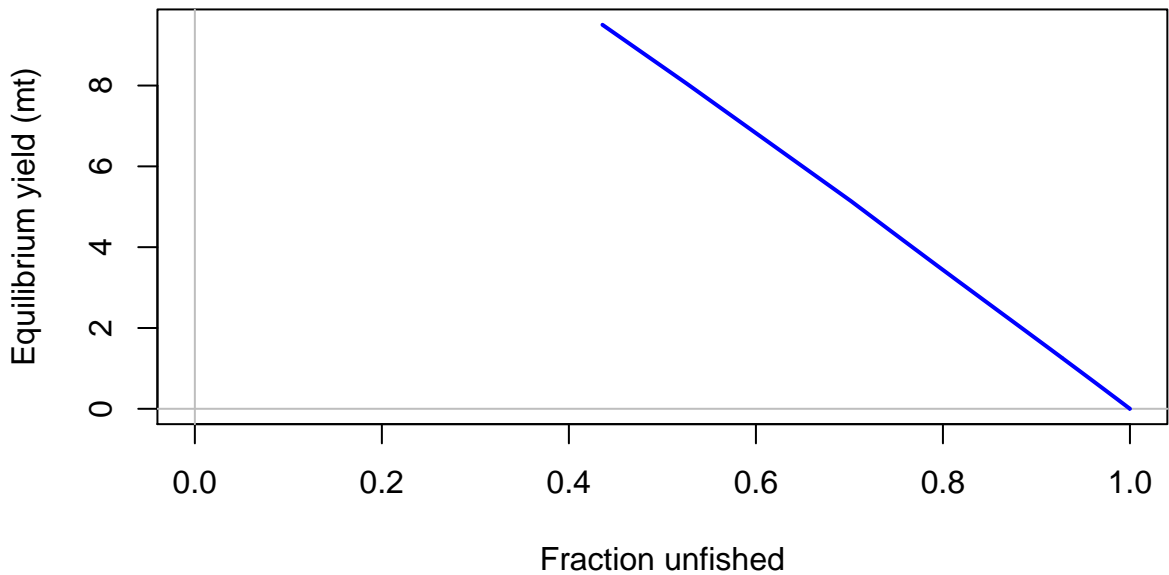


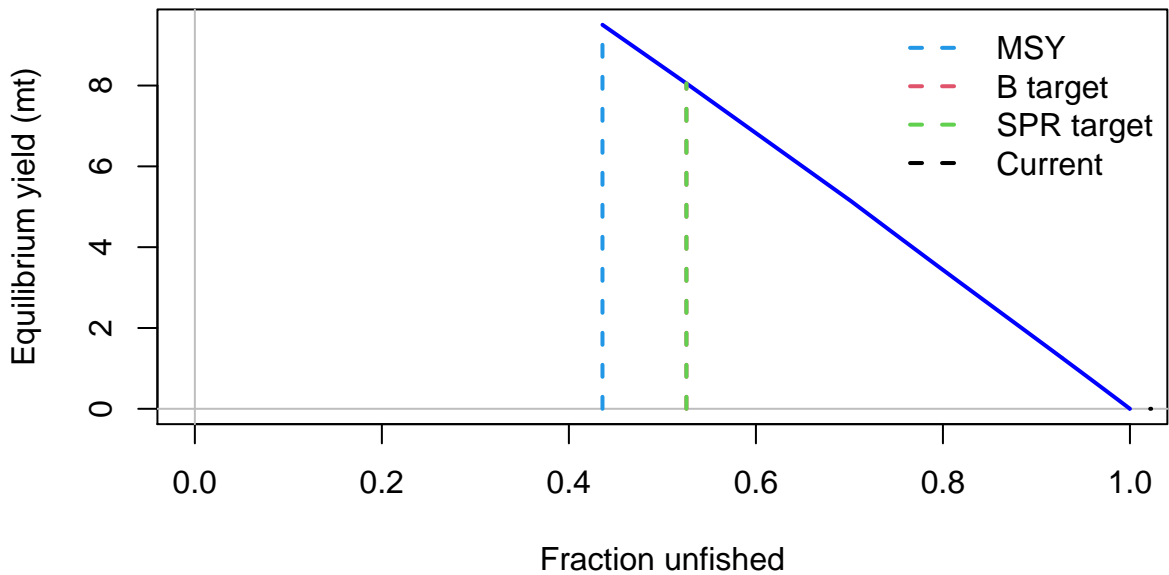
Effective sample size

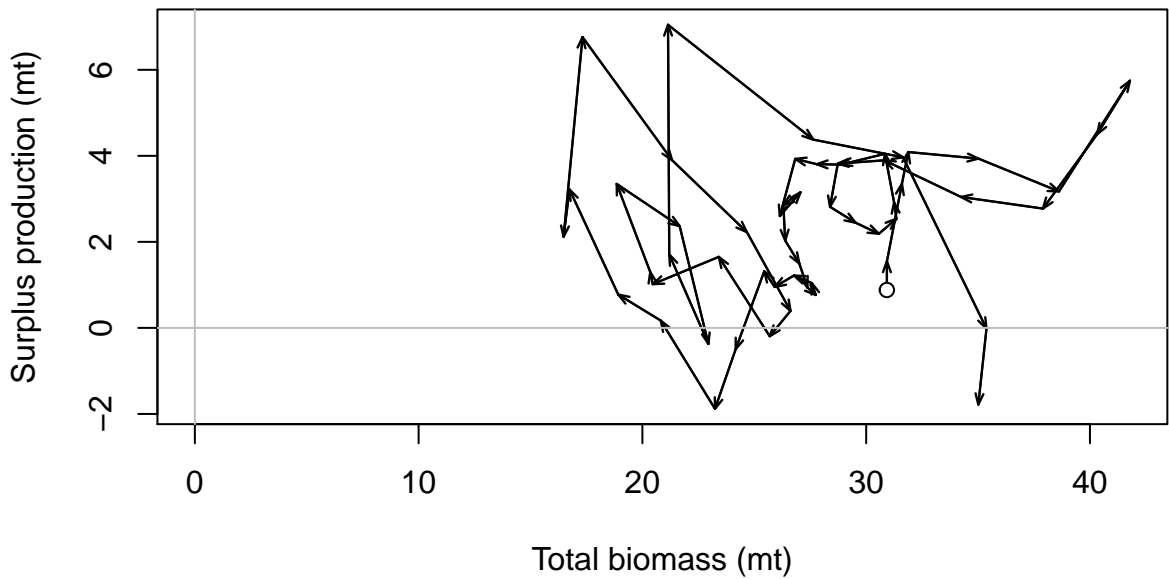


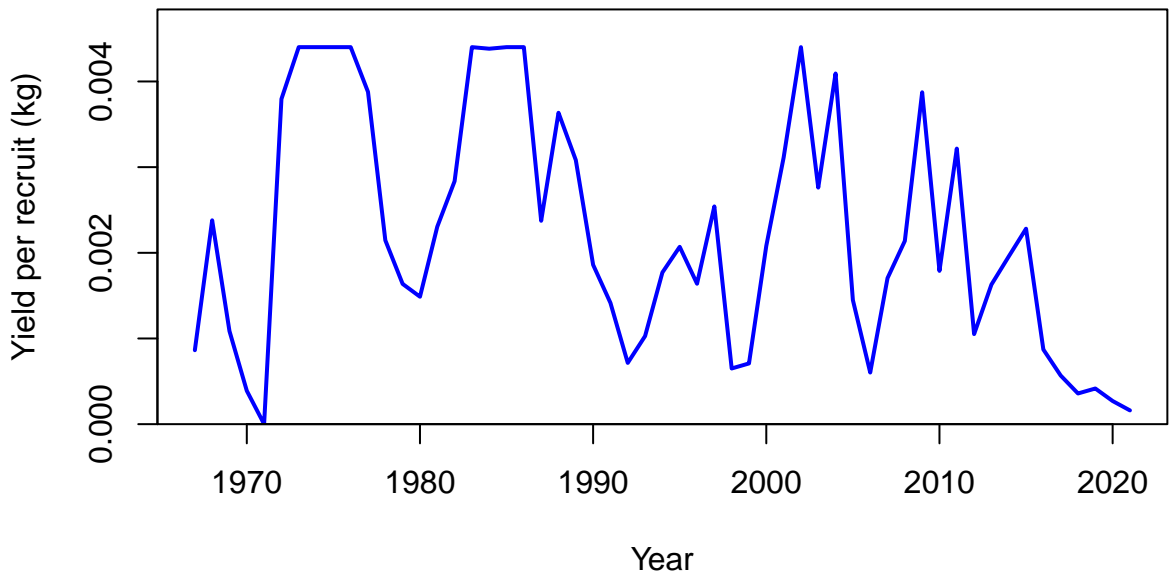
FISHERY (whole catch)

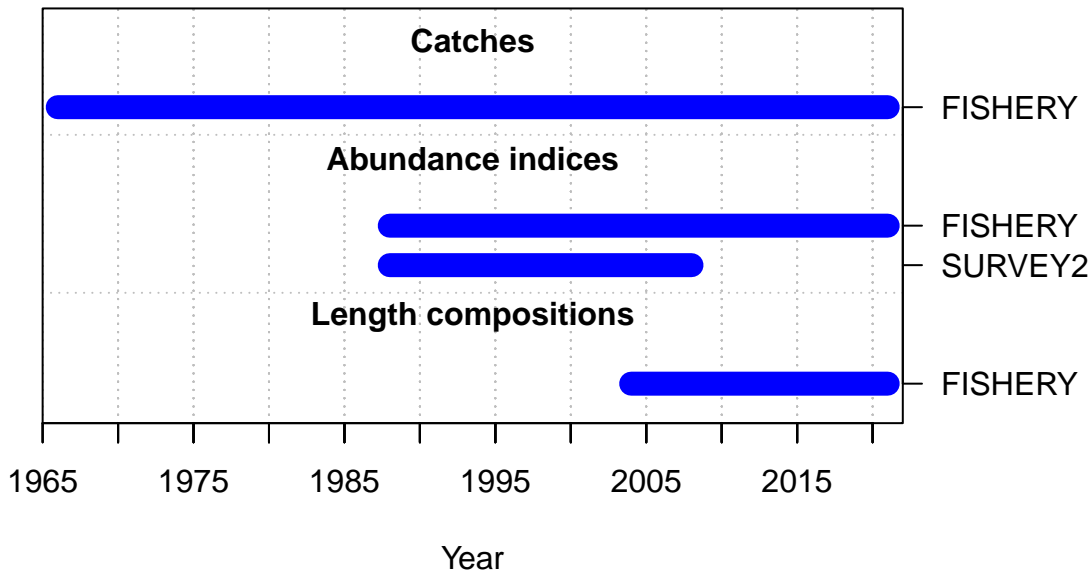


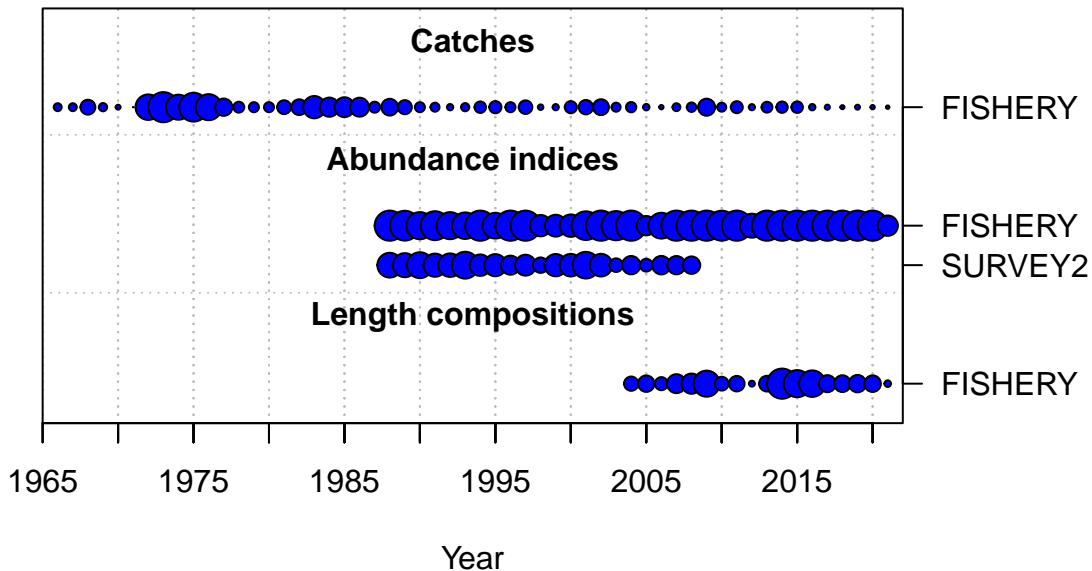












Density

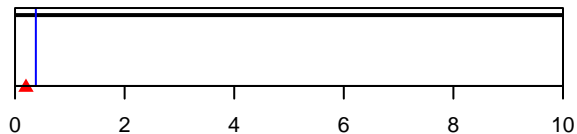
SR_LN(R0)



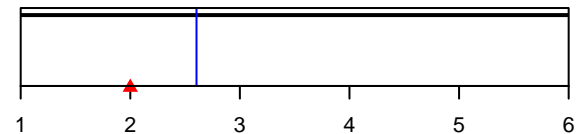
Size_inflection_FISHERY(1)



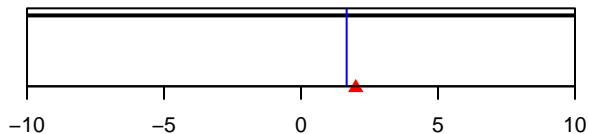
InitF_seas_1flt_1FISHERY



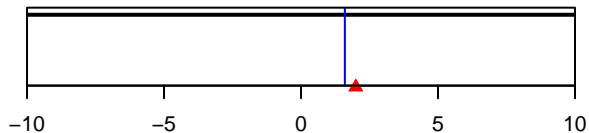
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



LnQ_base_SURVEY2(2)



Parameter value