

Plots created using the 'r4ss' package in R

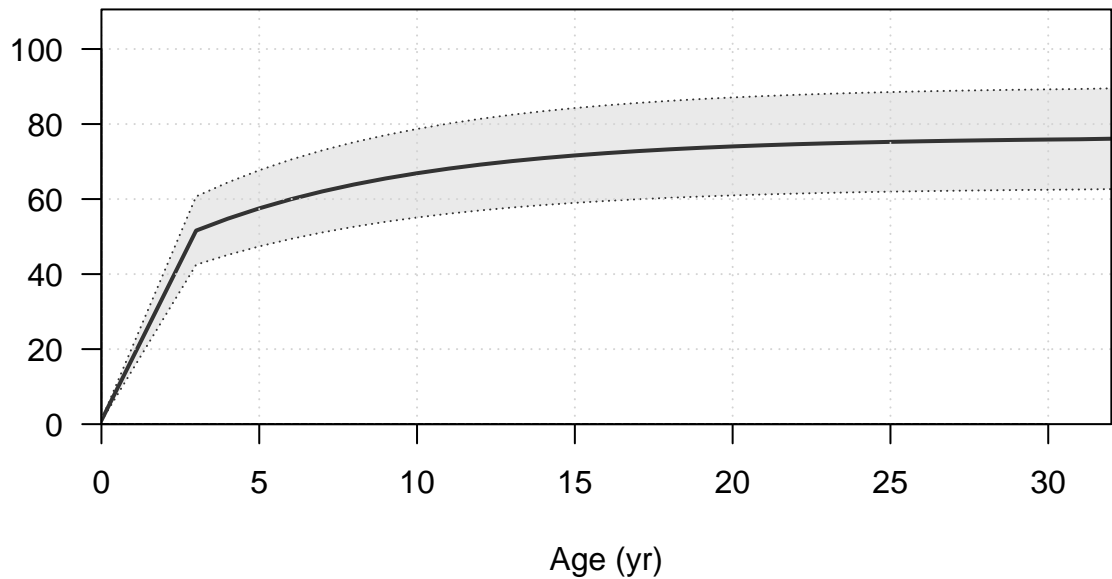
Stock Synthesis version: 3.30.19.0

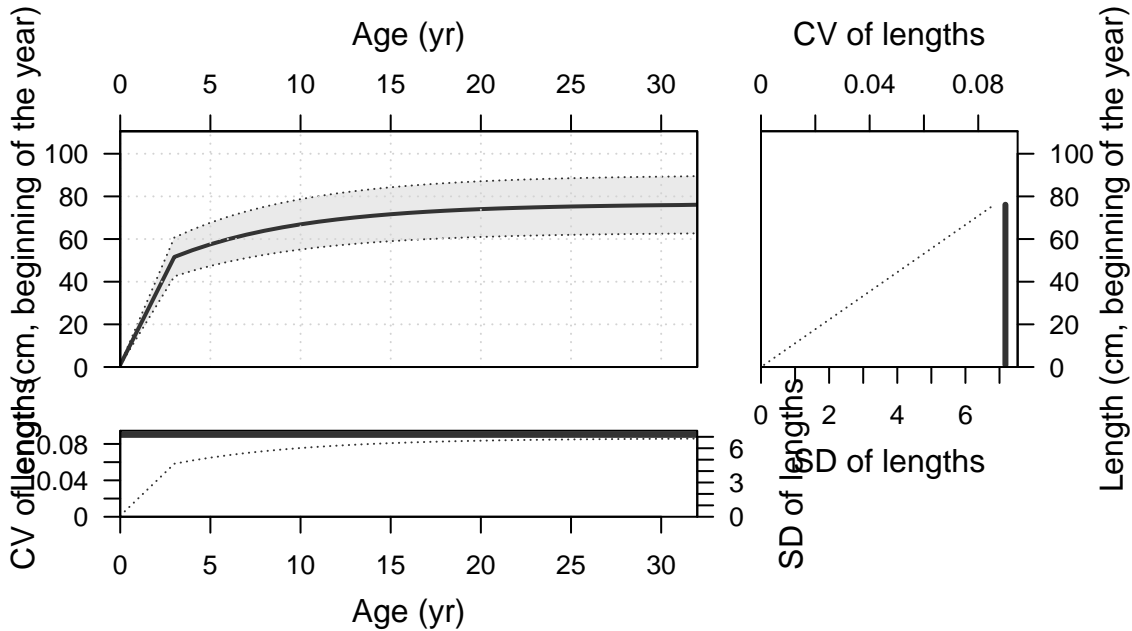
StartTime: Sun Jul 24 10:07:01 2022

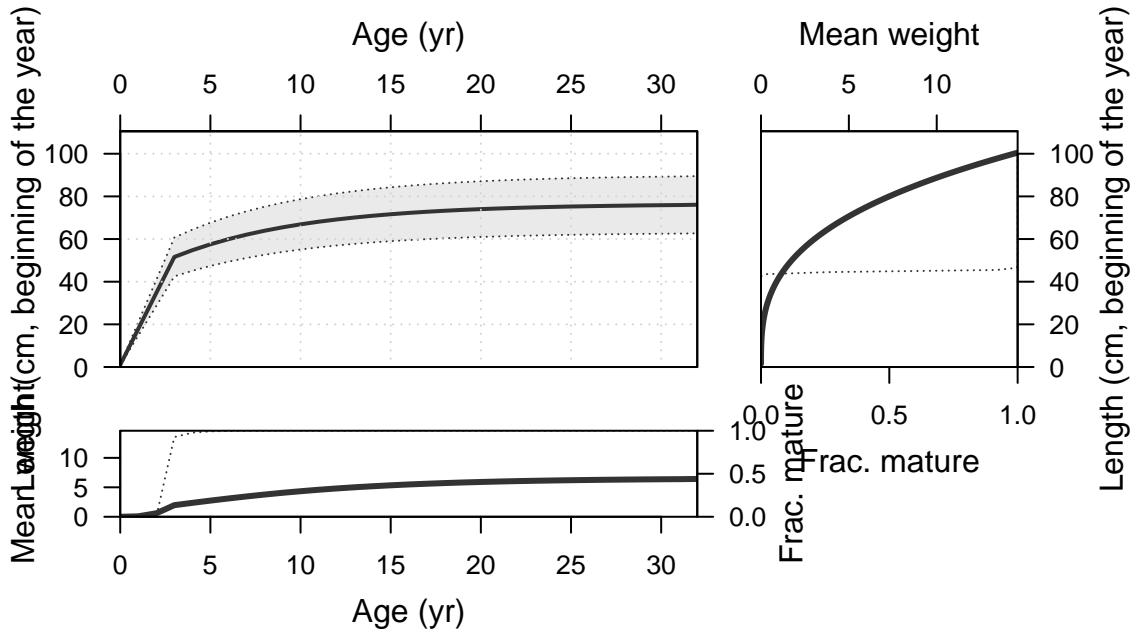
Data\_File: data.ss

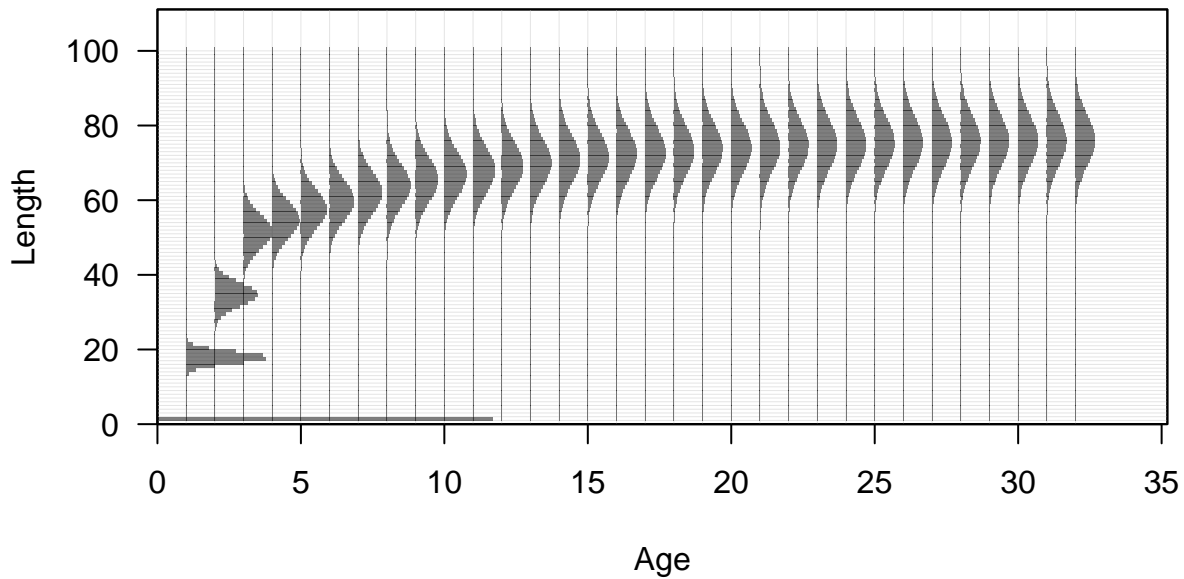
Control\_File: control.ss

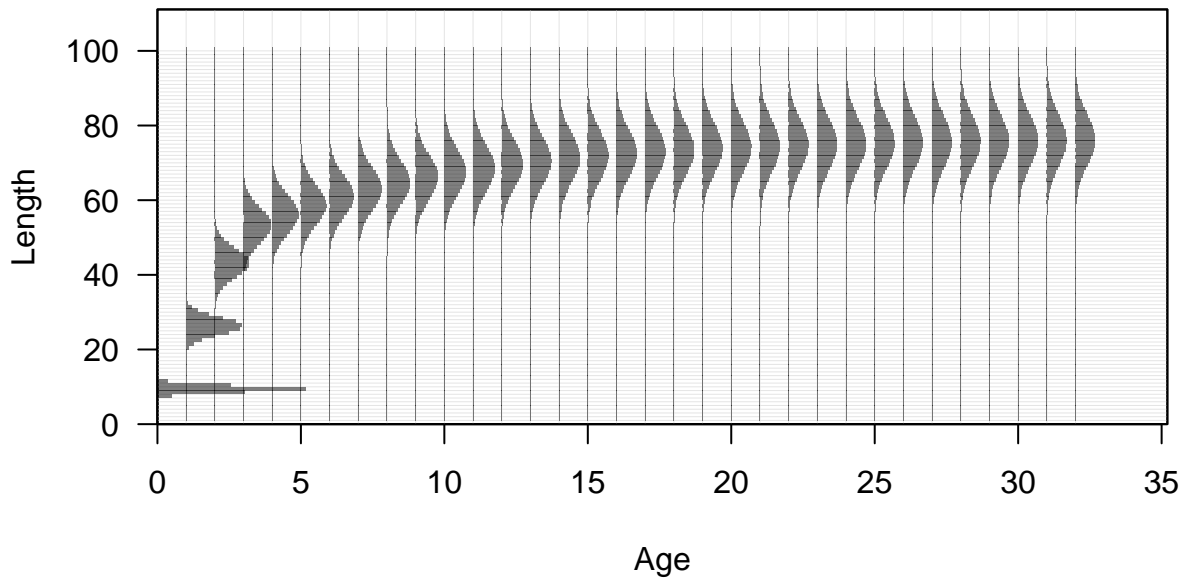
Length (cm, beginning of the year)



















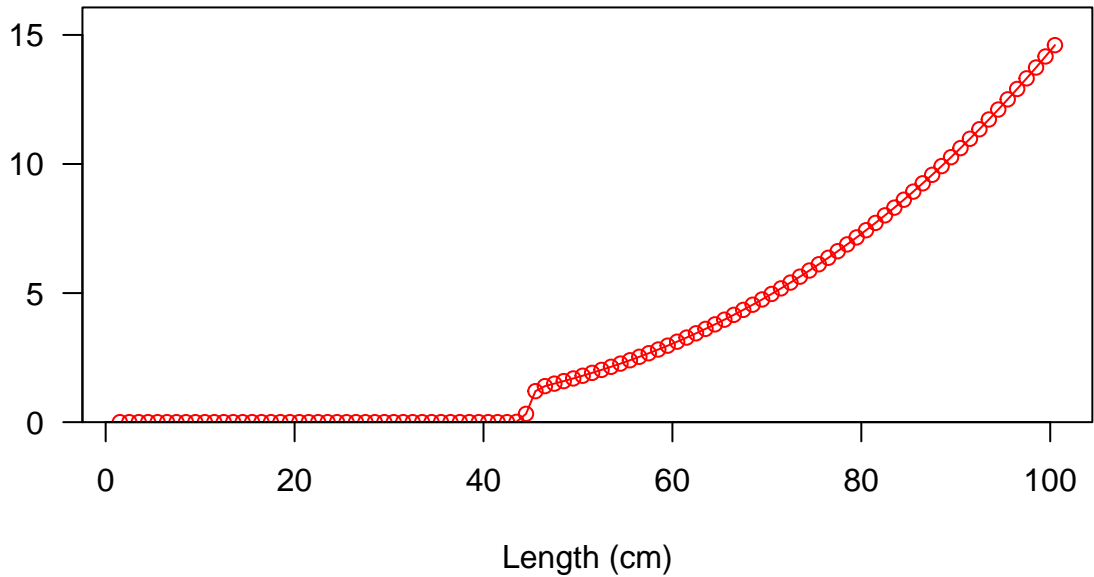
Fecundity



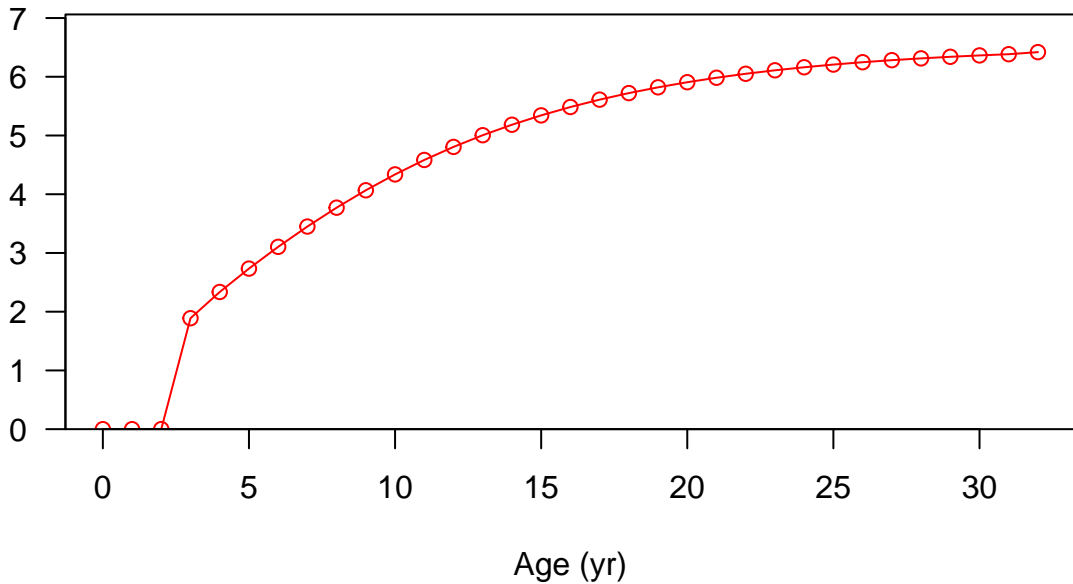
Fecundity



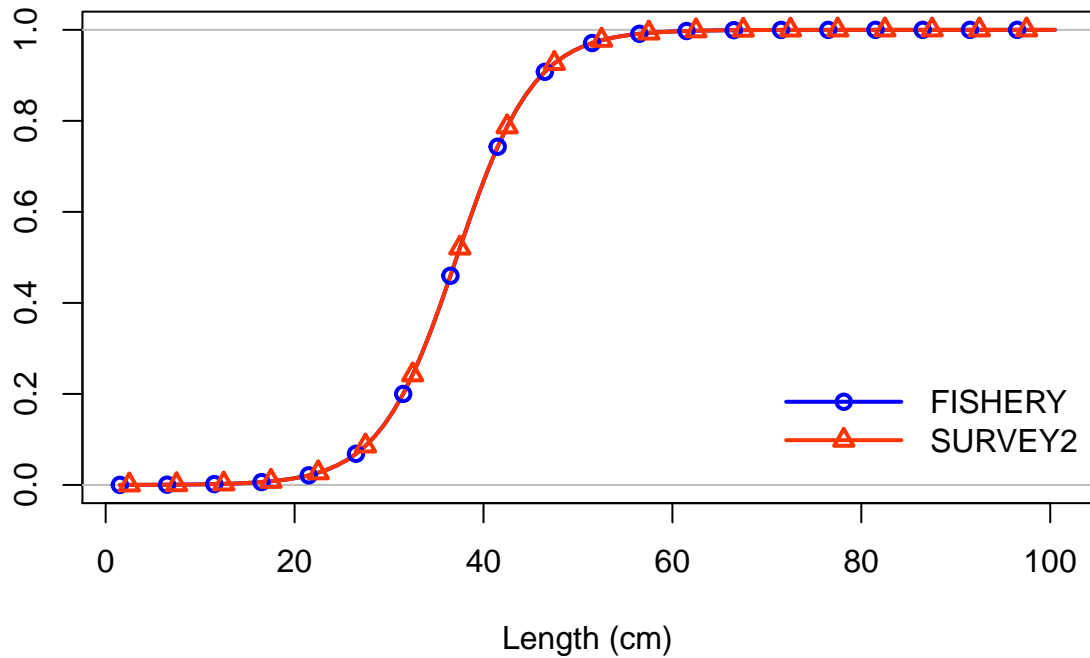
Spawning output



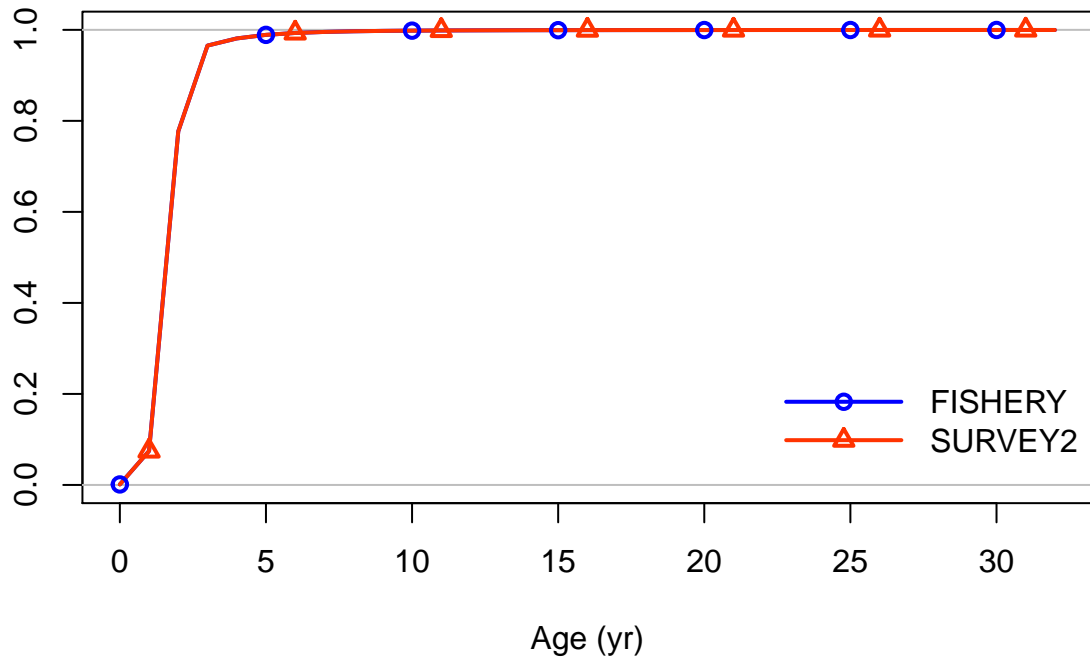
Spawning output



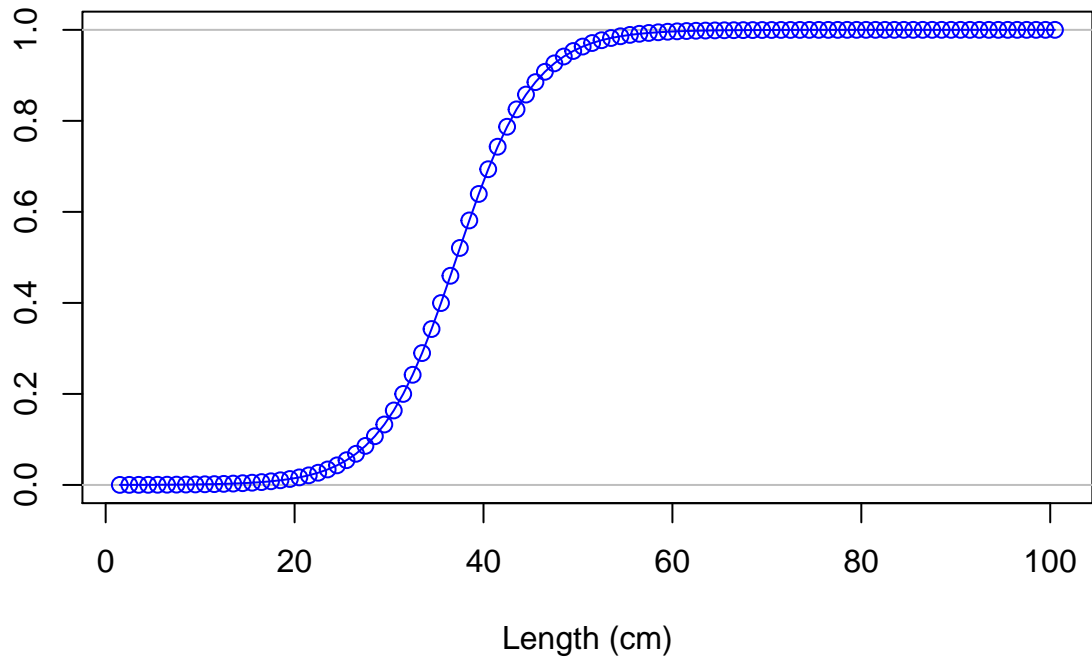
Selectivity



Selectivity

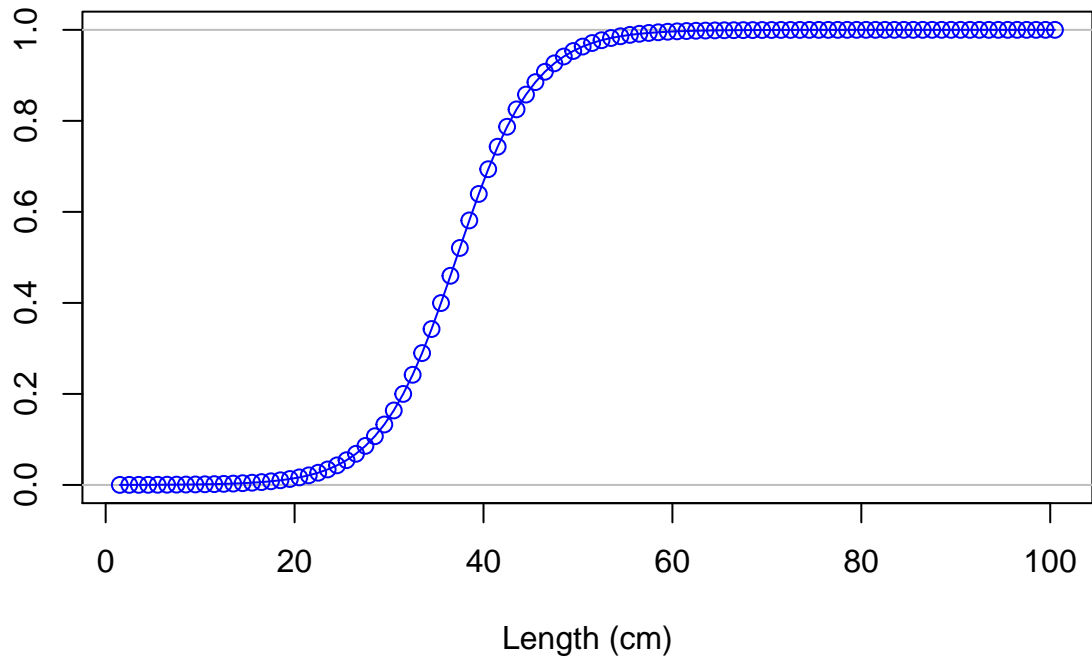


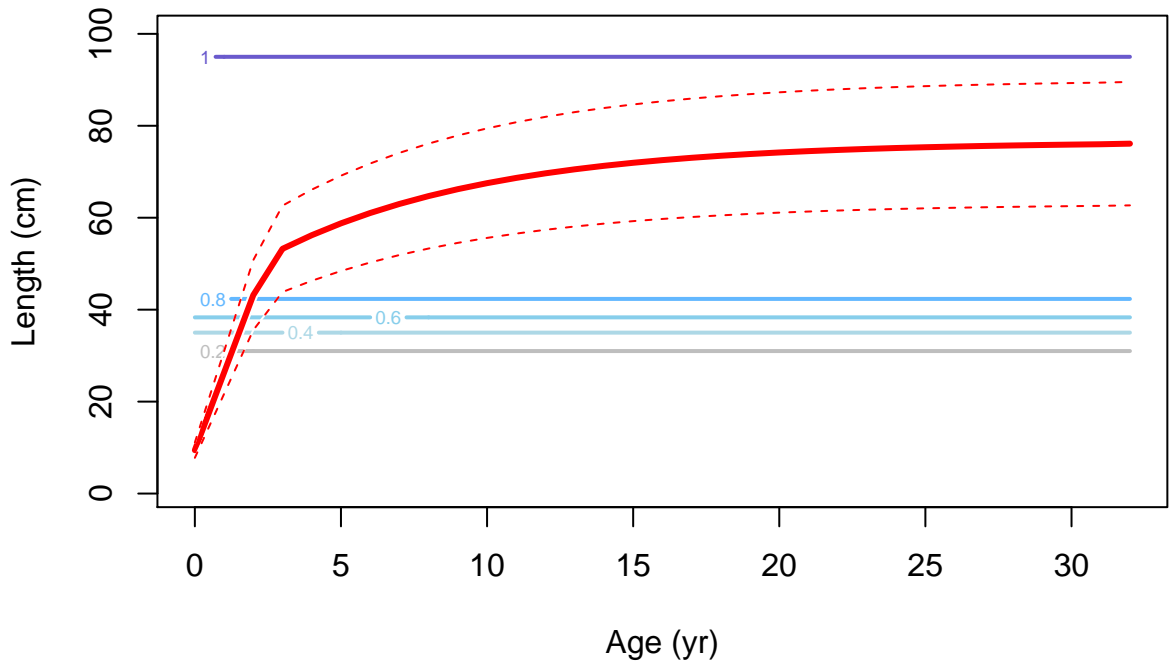
Selectivity

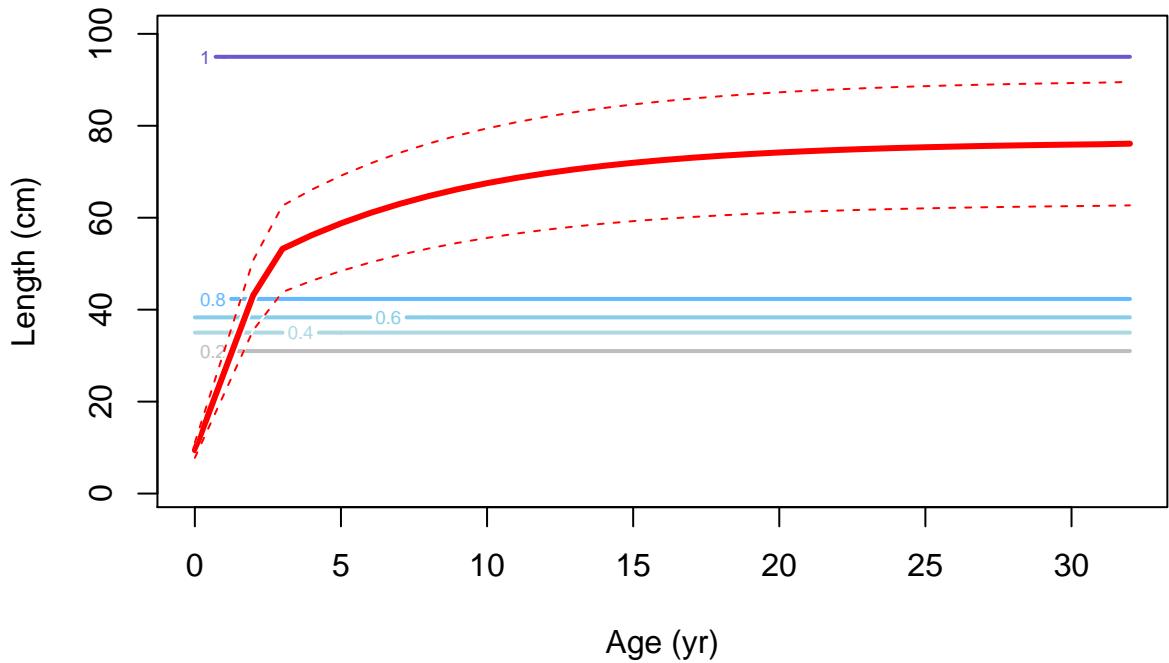


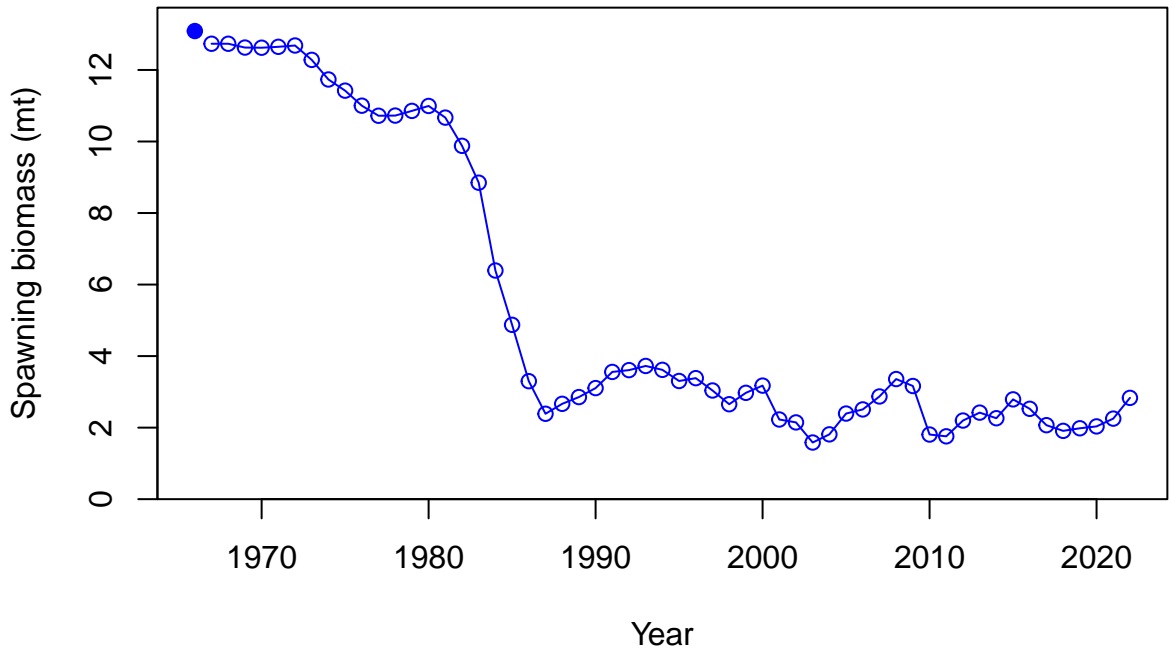


Selectivity

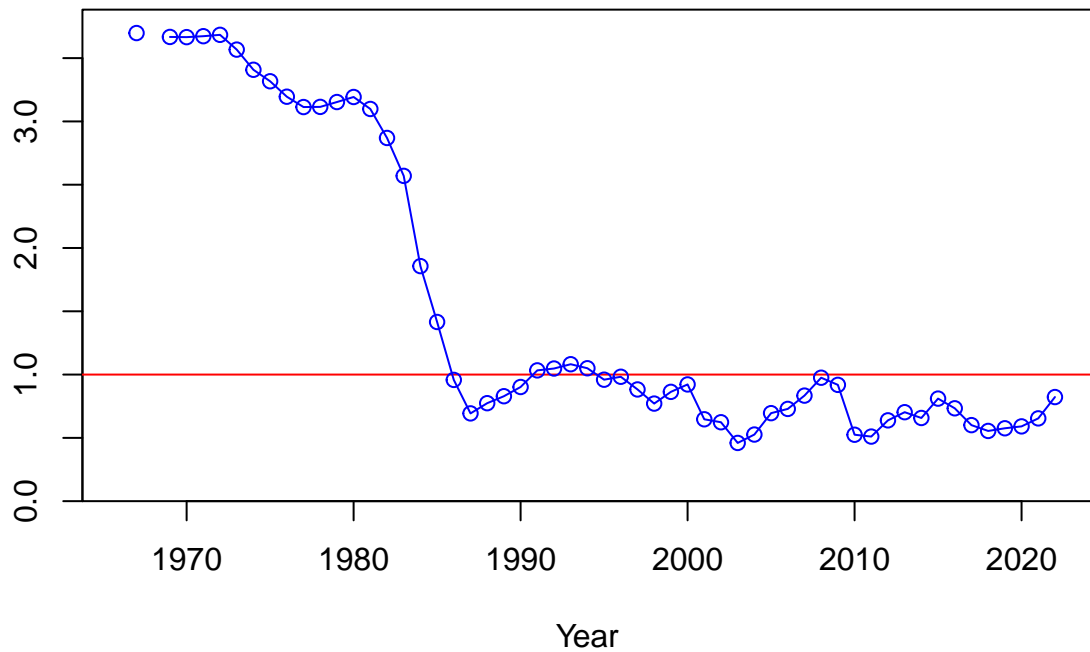


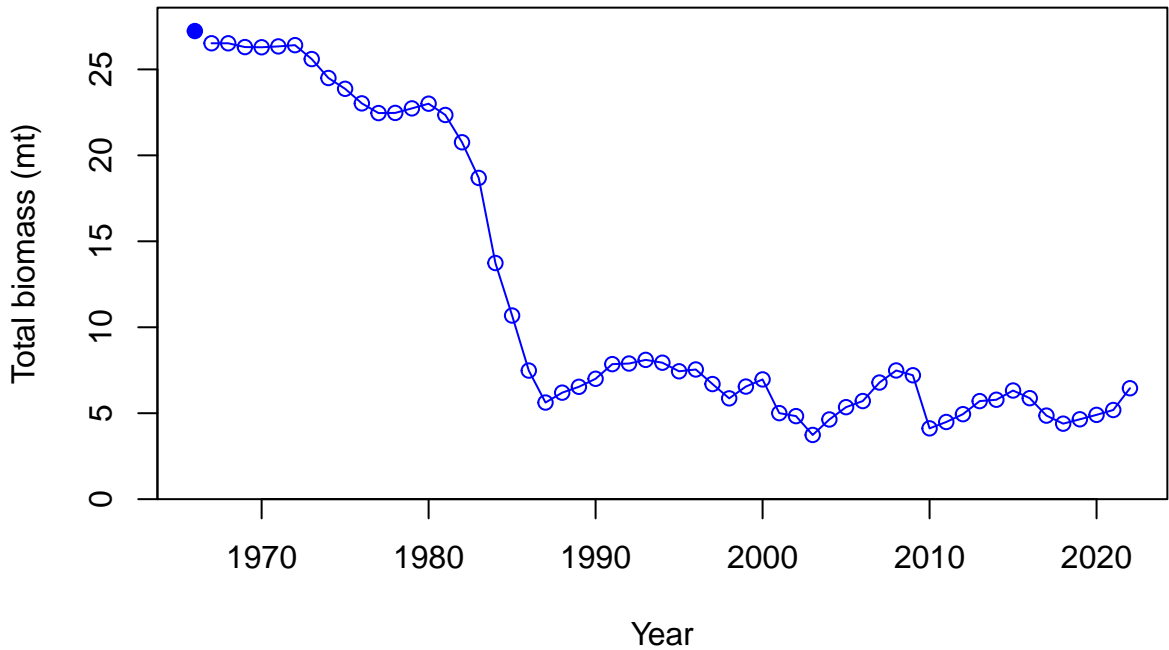


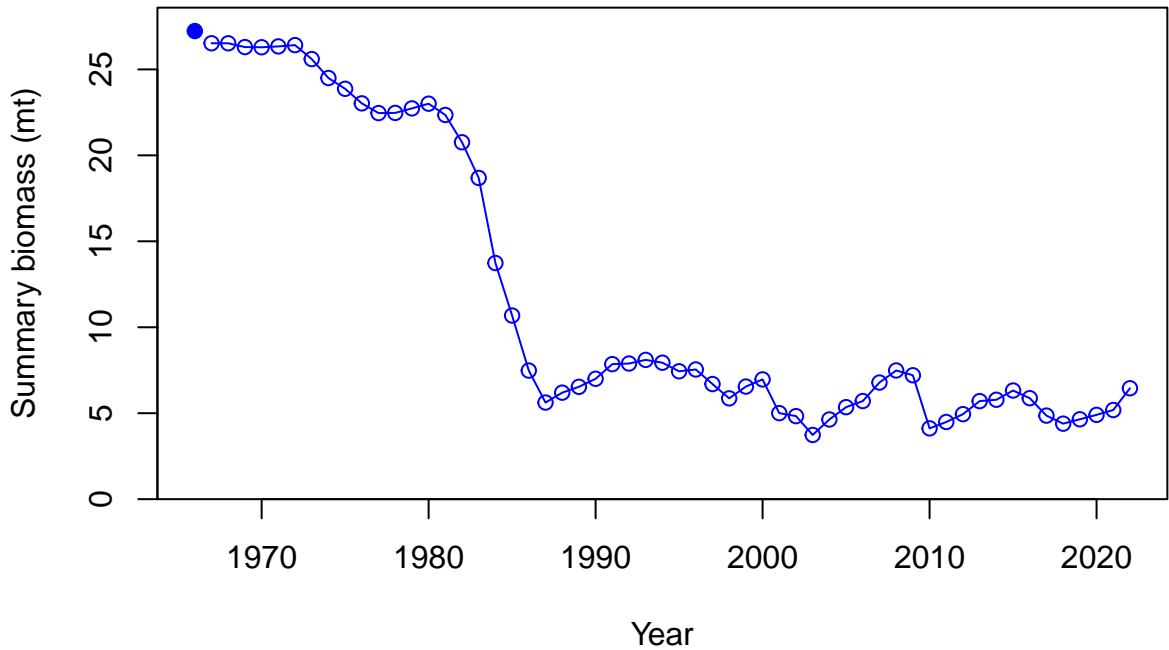




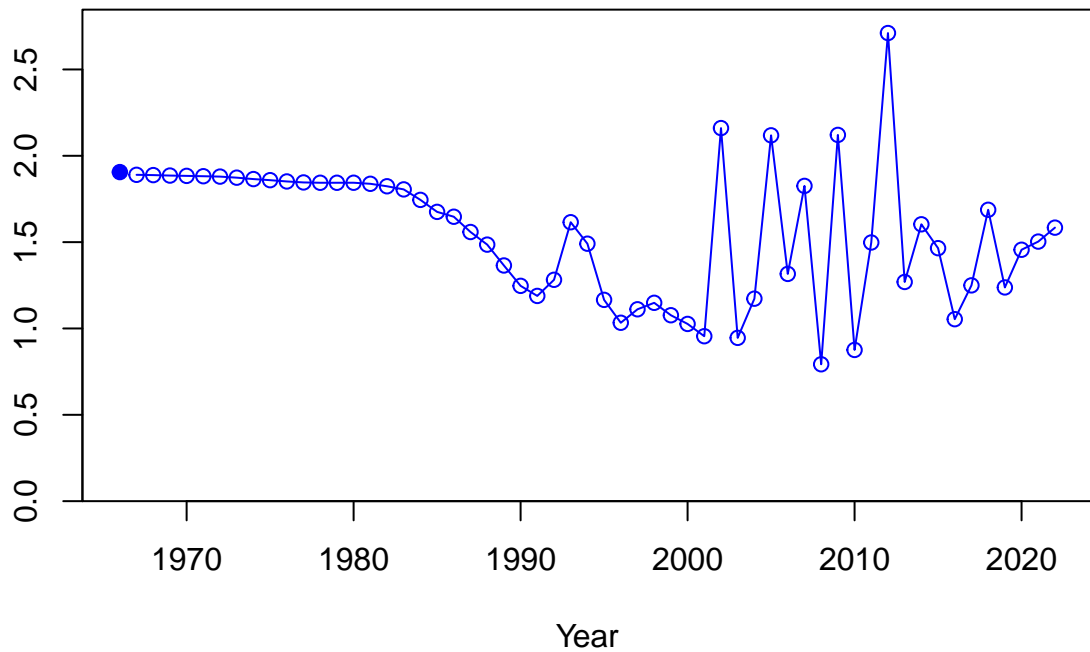
Relative spawning biomass:  $B/B_{MSY}$





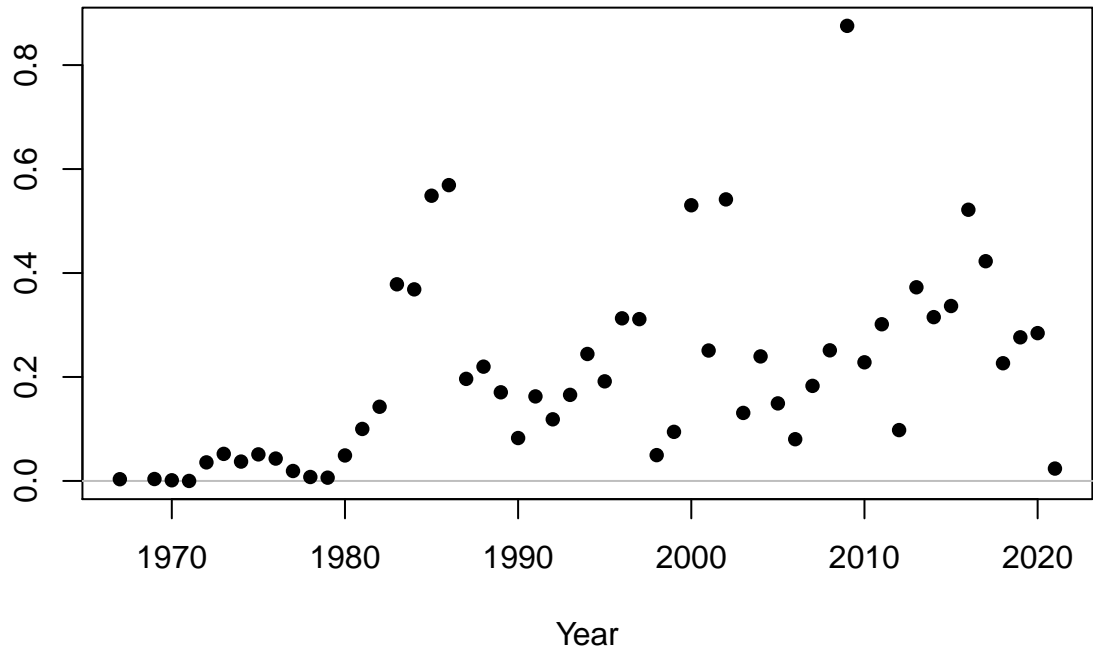


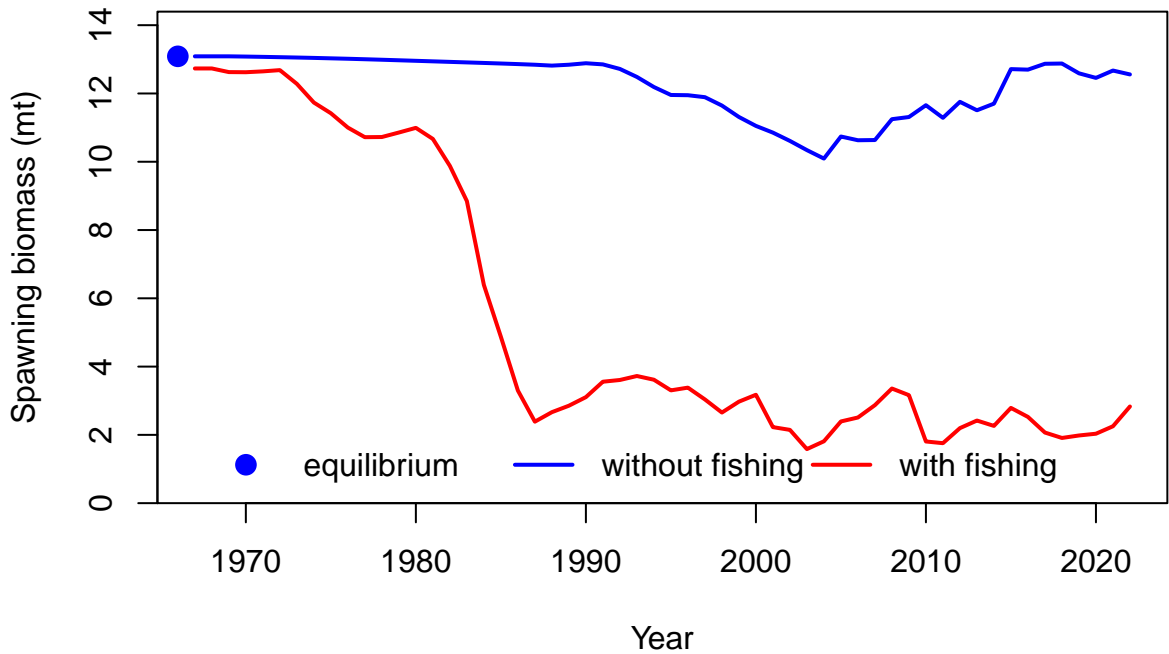
Age-0 recruits (1,000s)



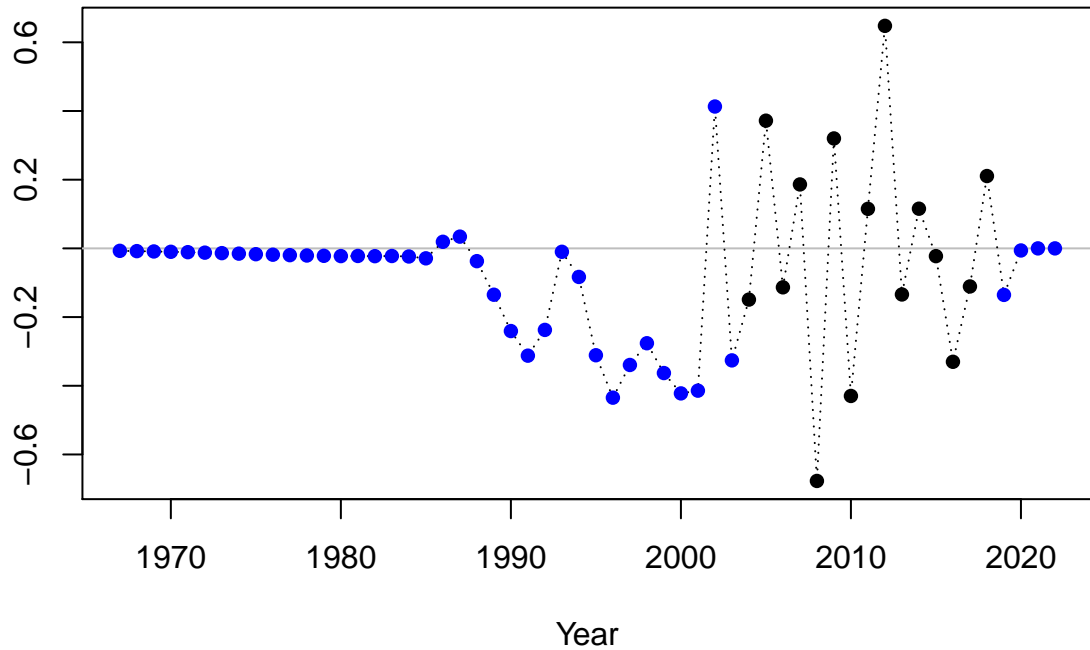


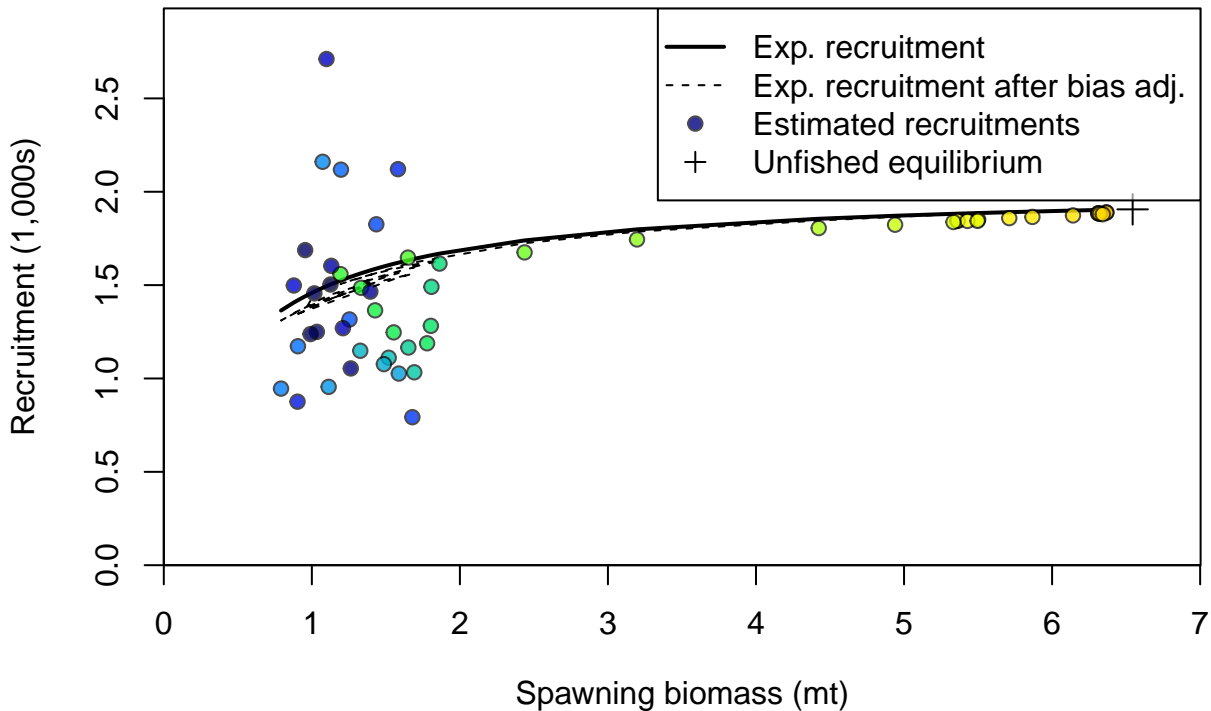
Summary Fishing Mortality

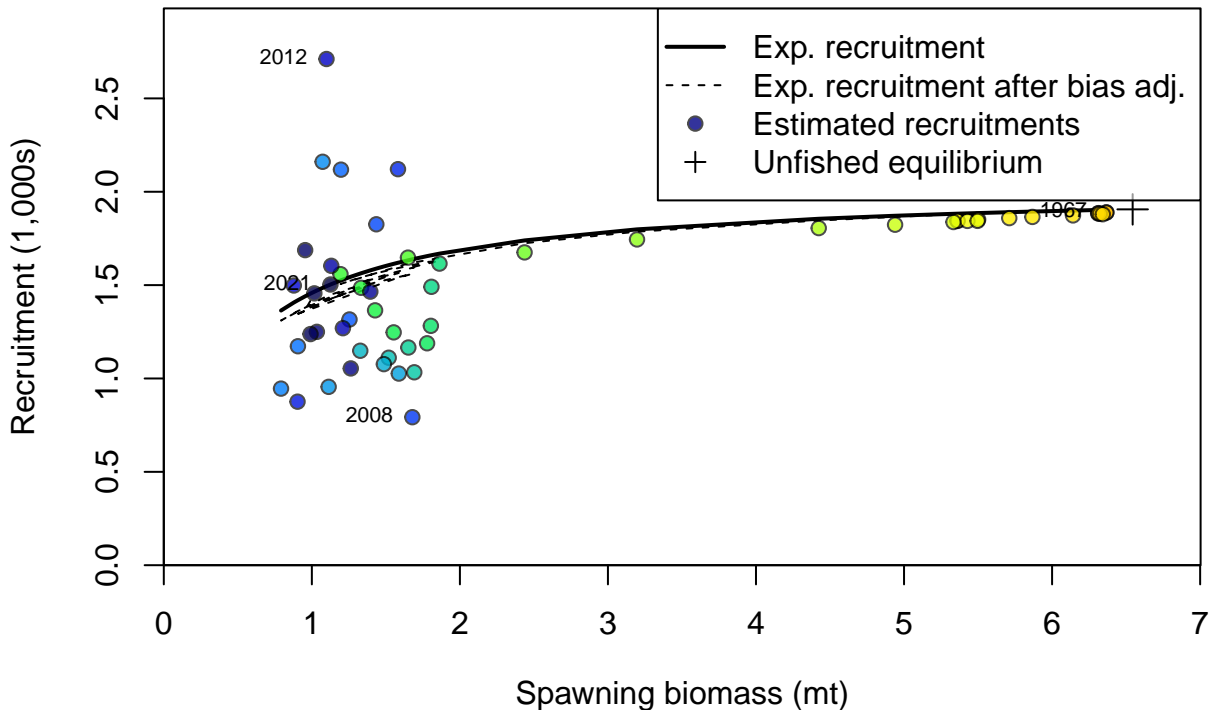


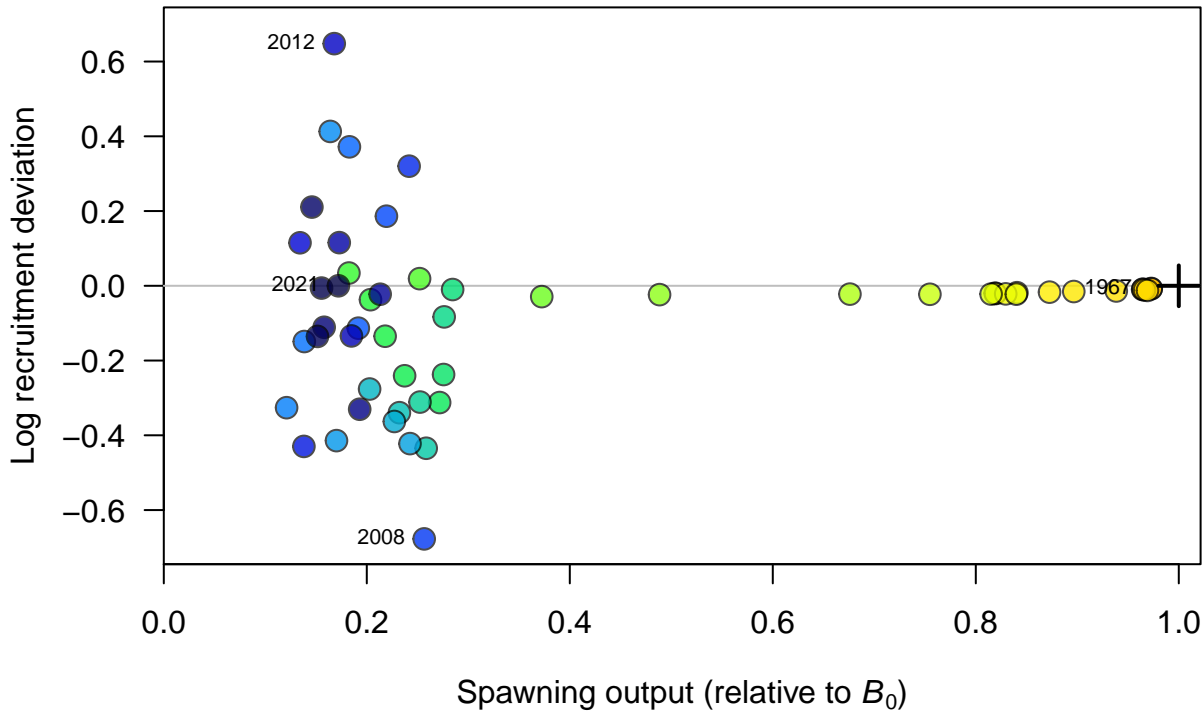


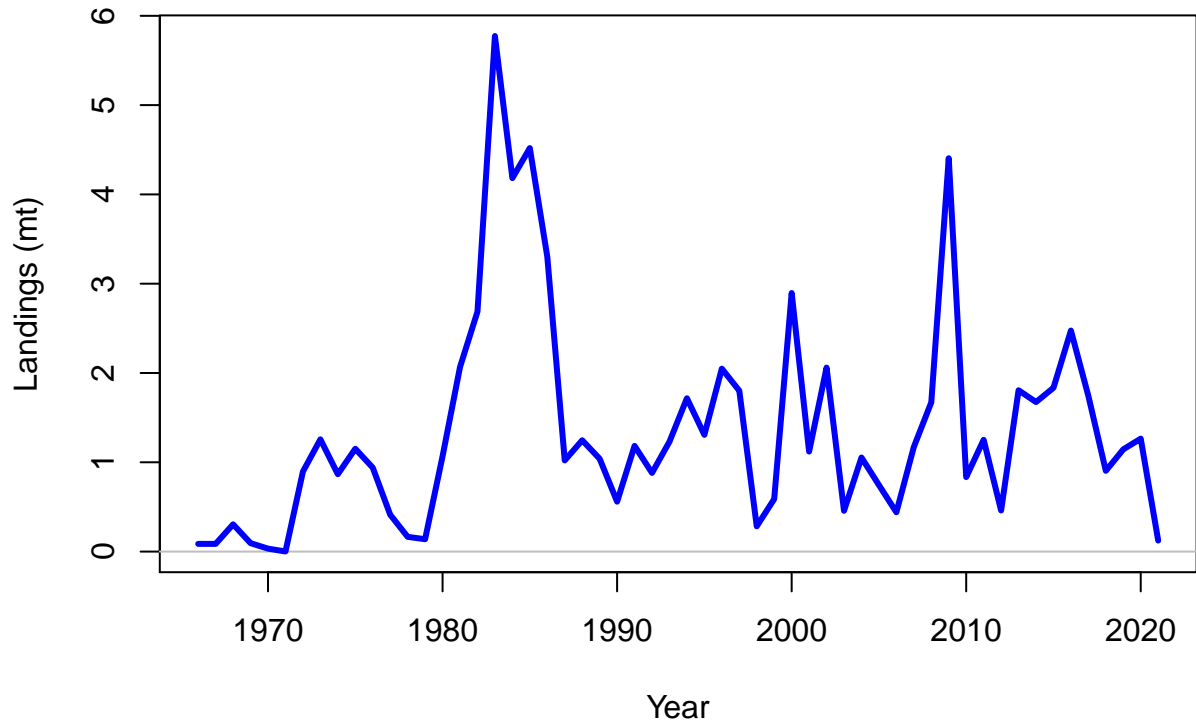
Log recruitment deviation

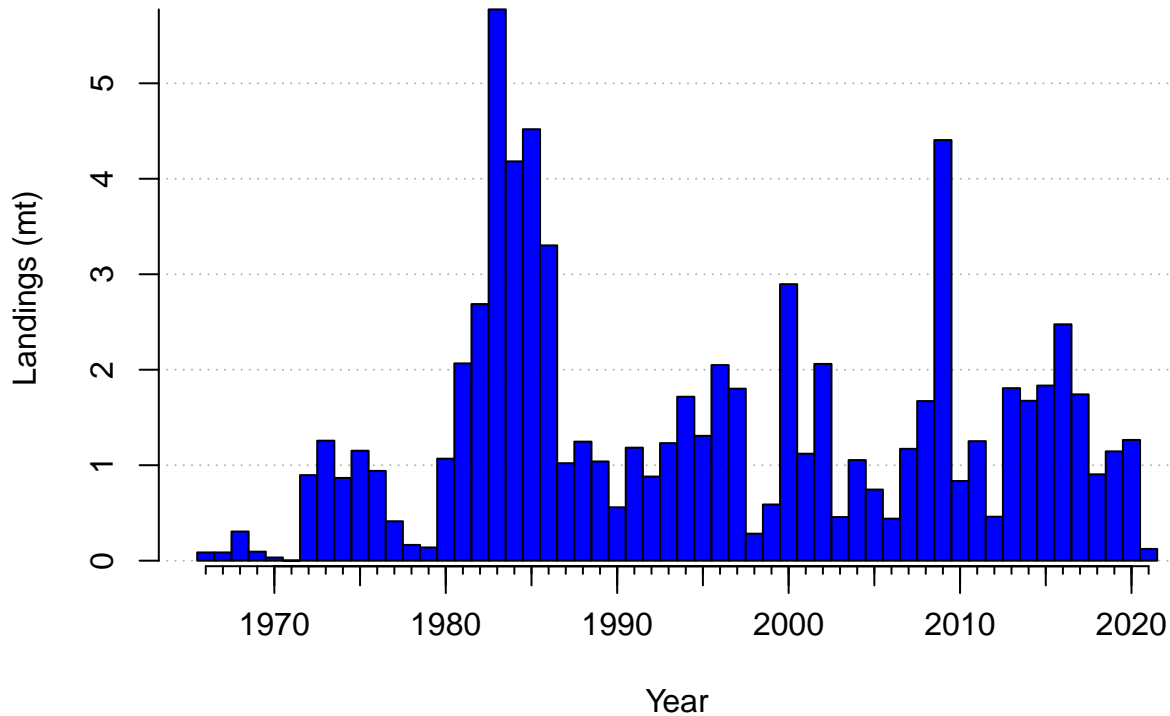






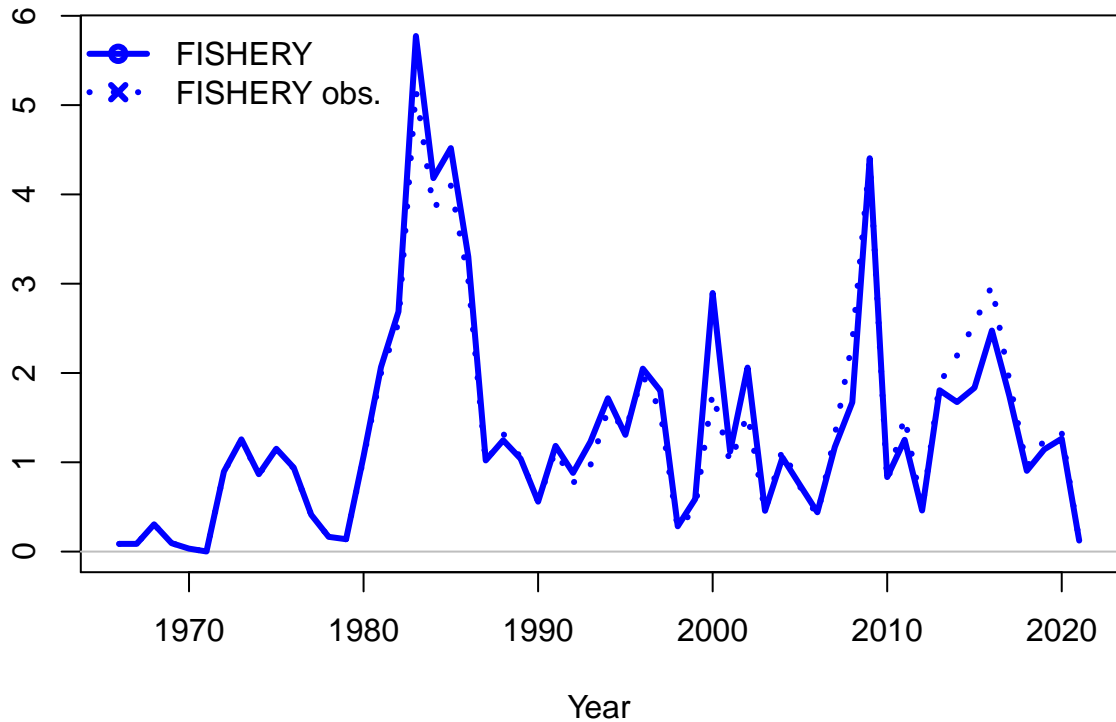


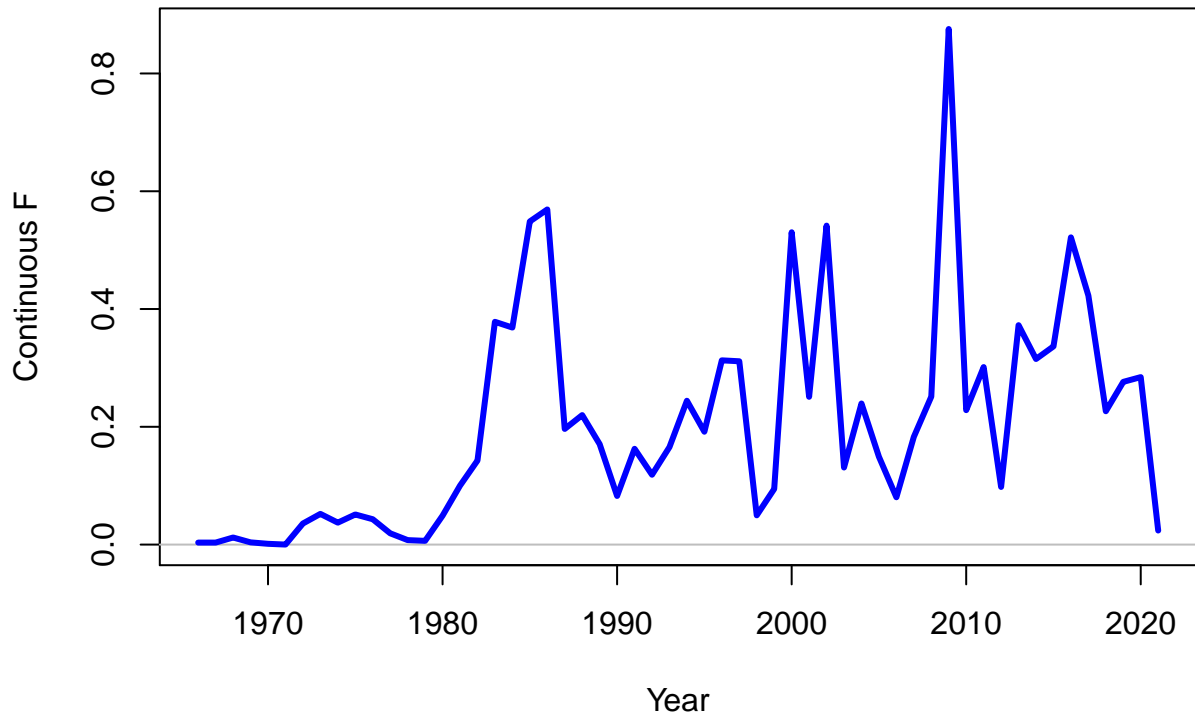




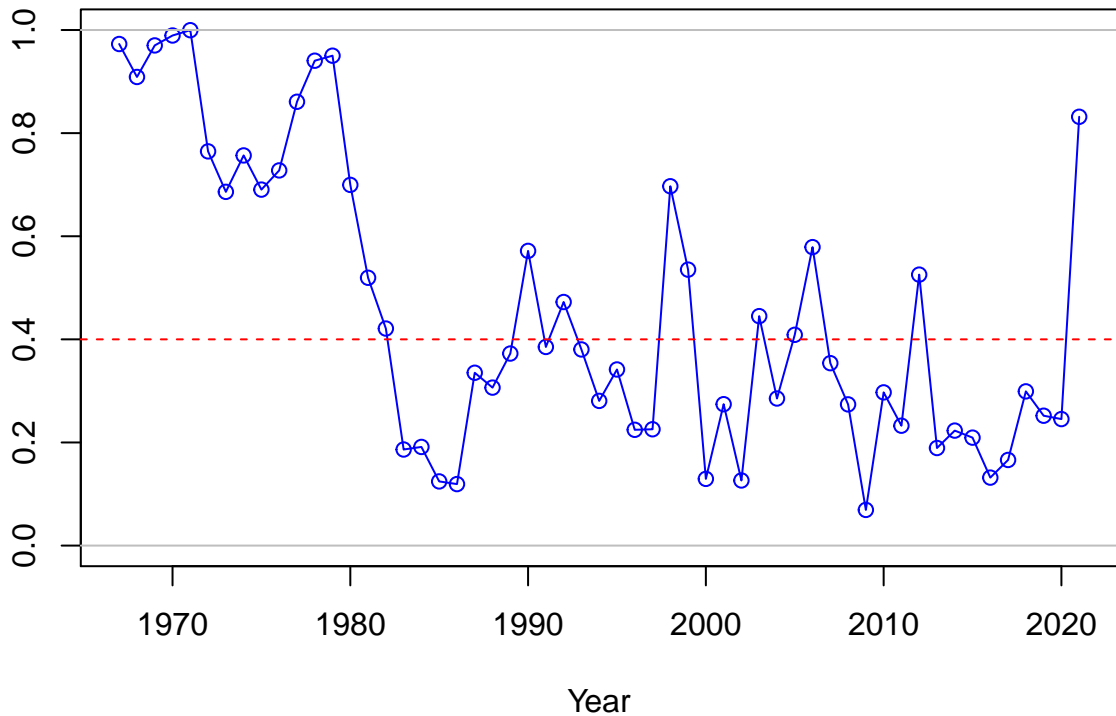


Observed and expected Landings (mt)

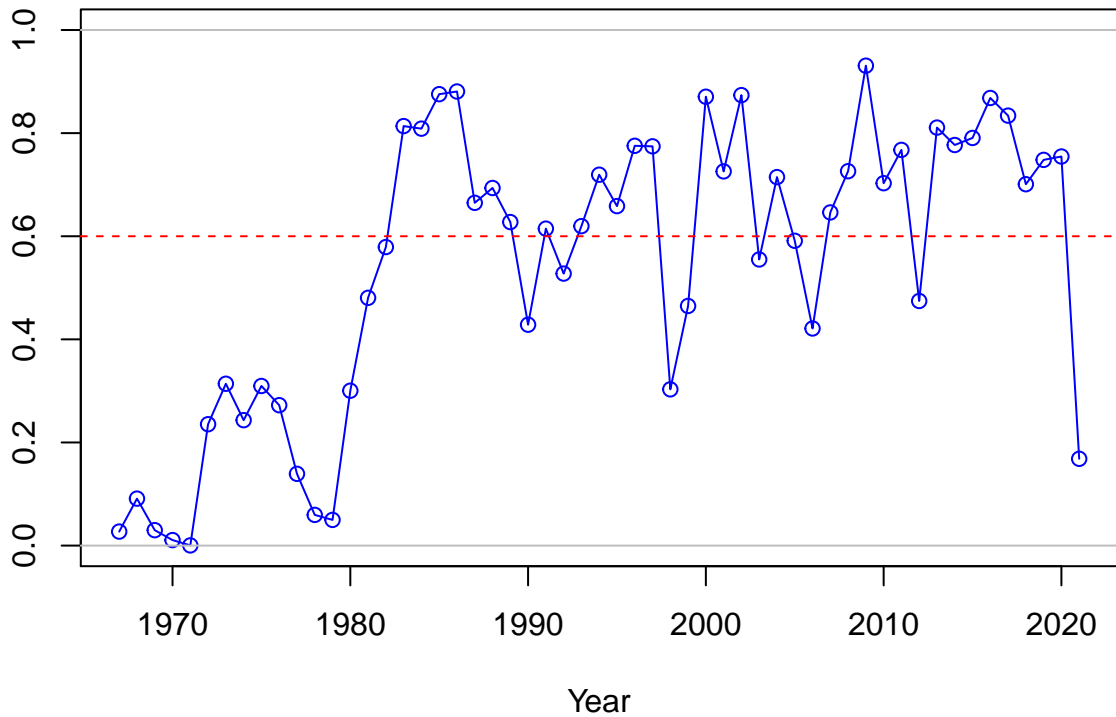




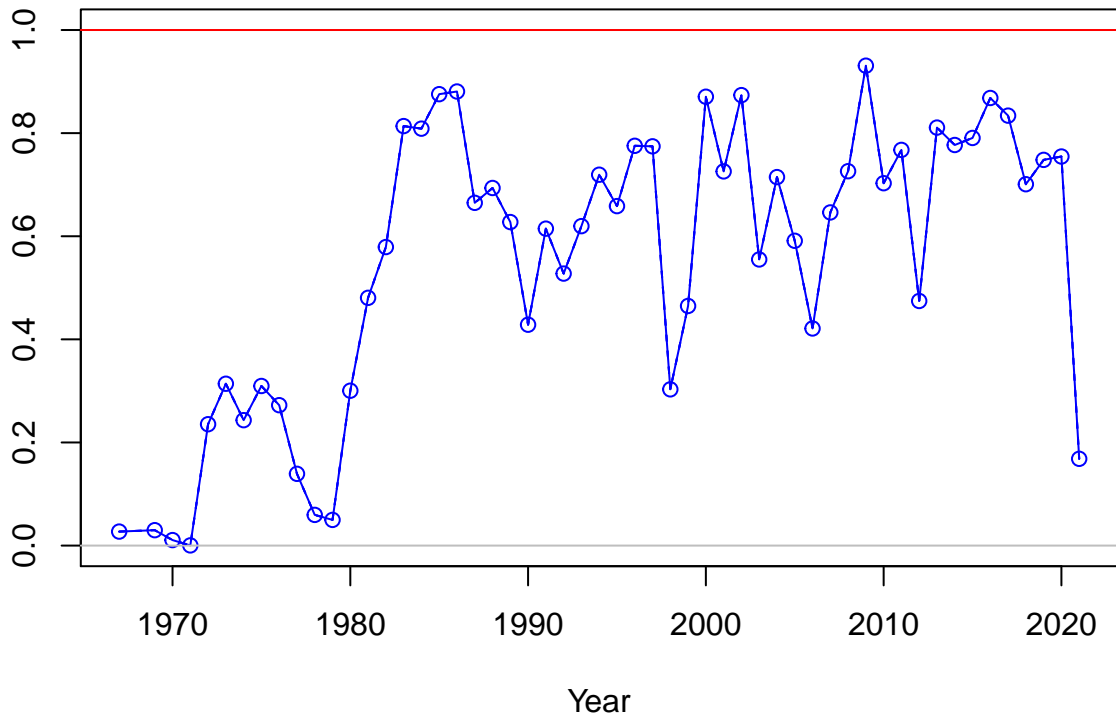
SPR



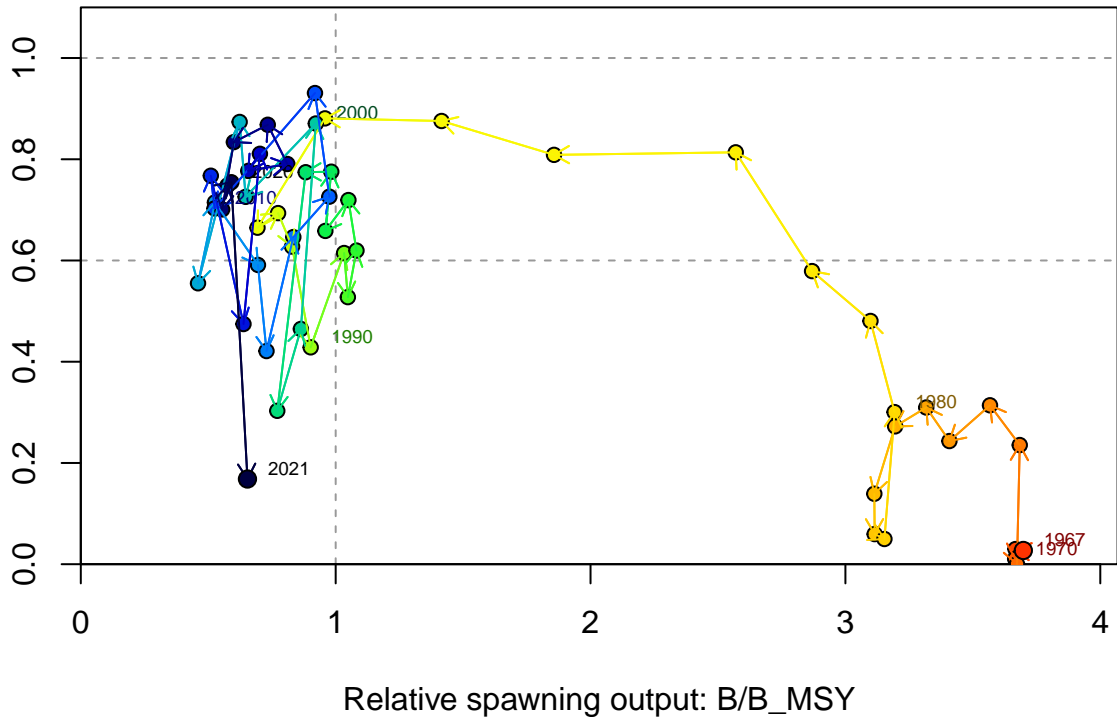
1-SPR



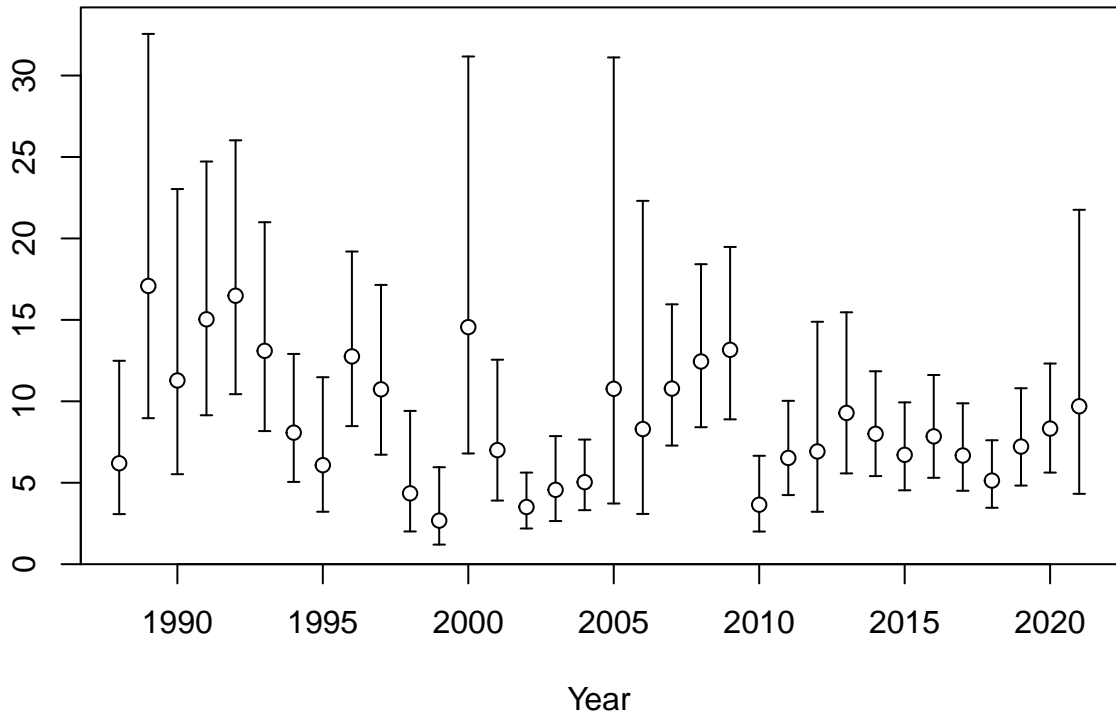
Fishing intensity: 1-SPR



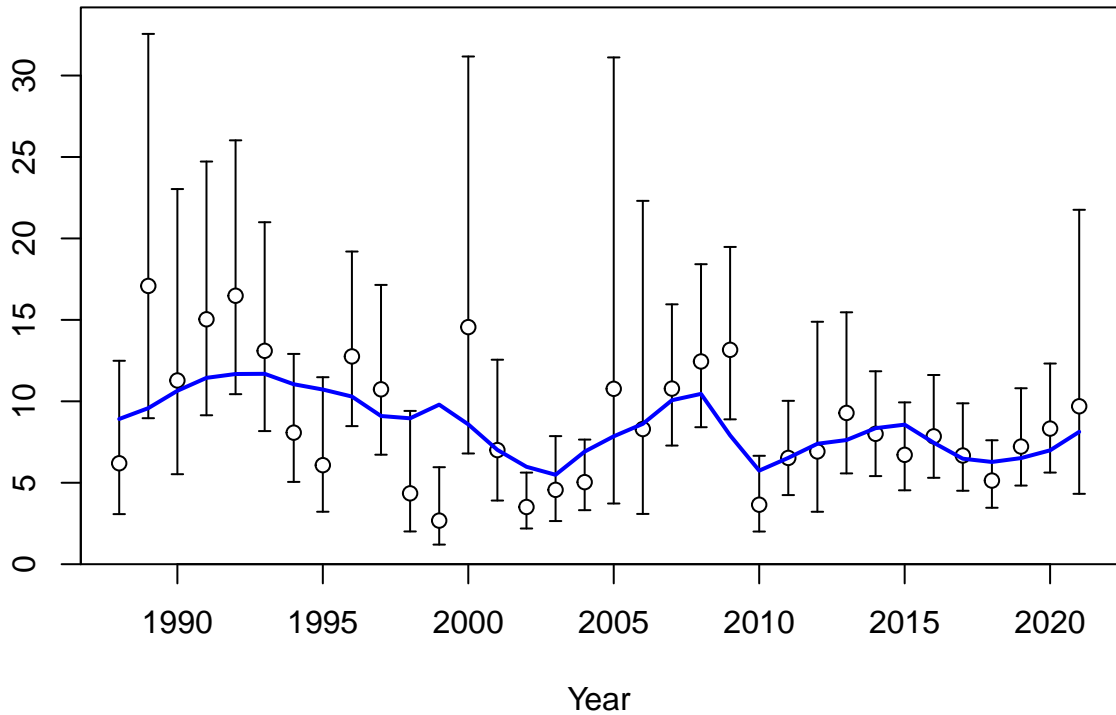
Fishing intensity: 1-SPR



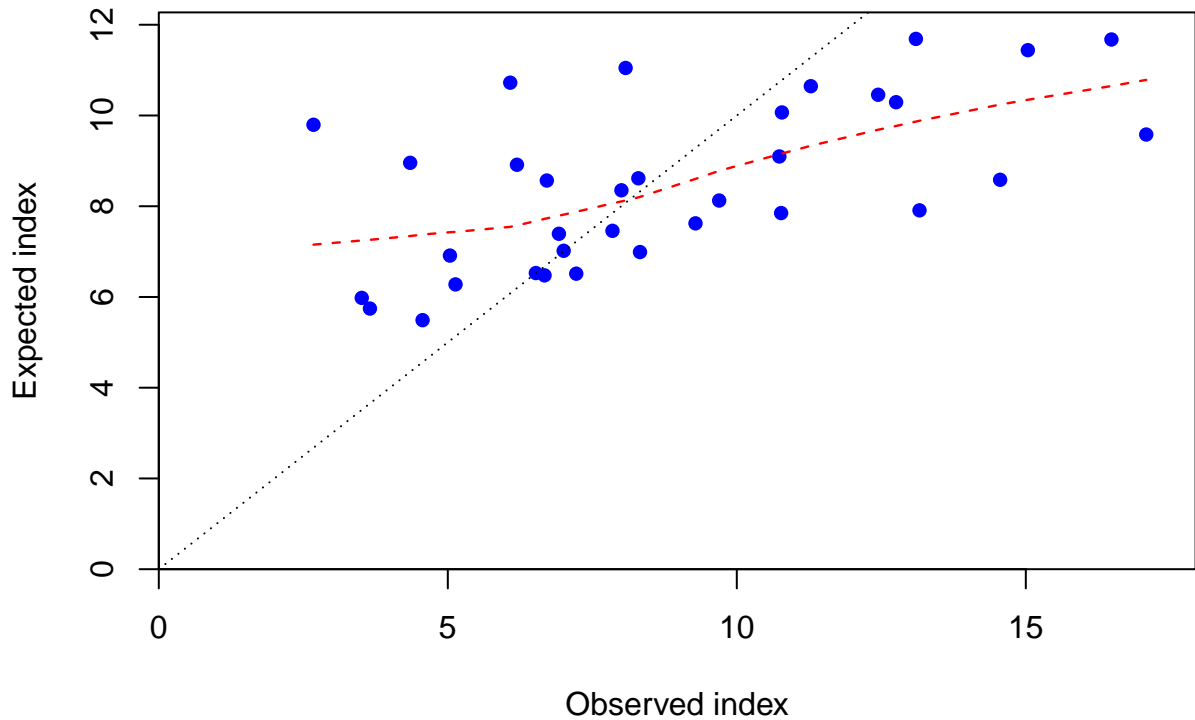
Index



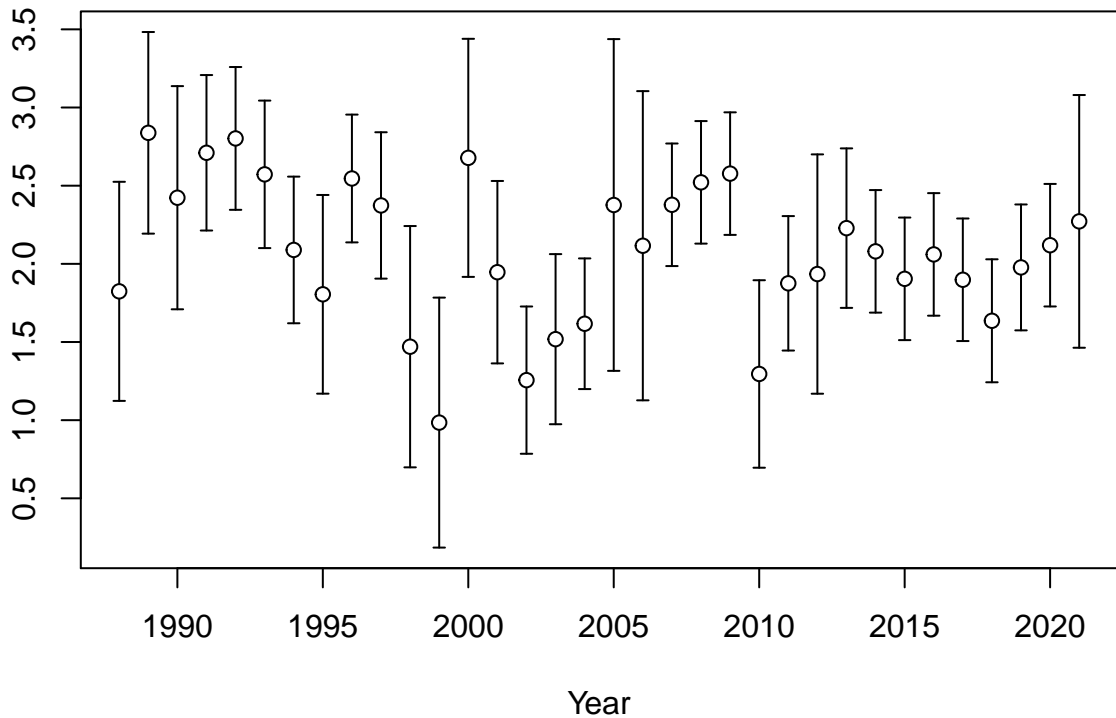
Index



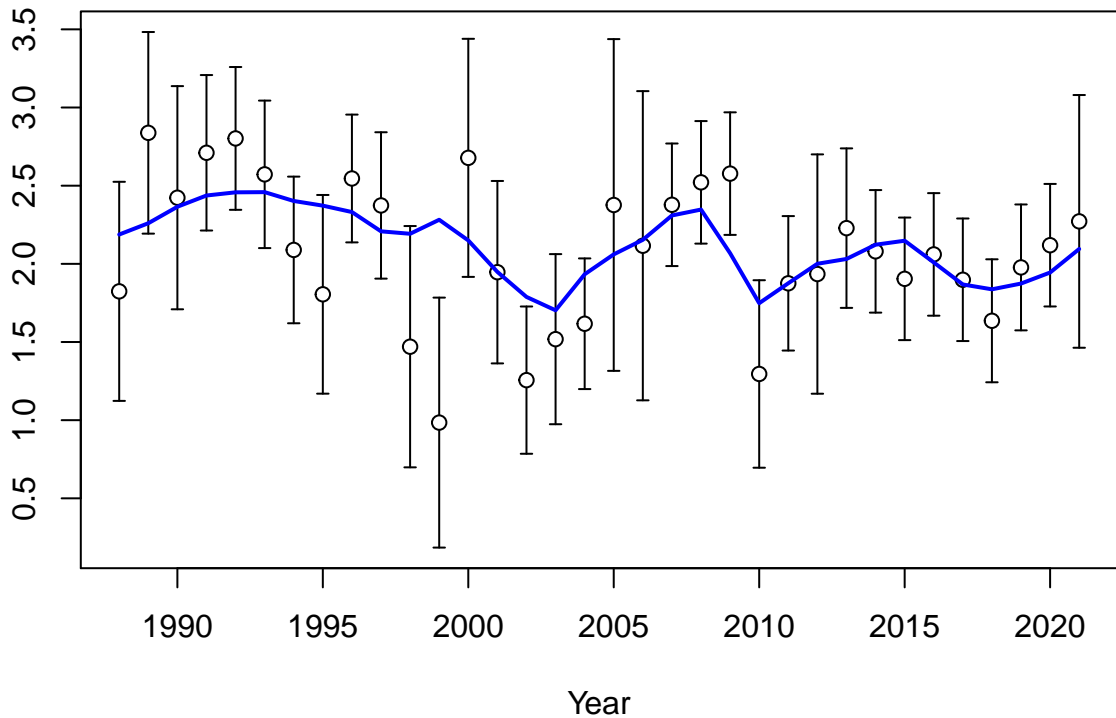


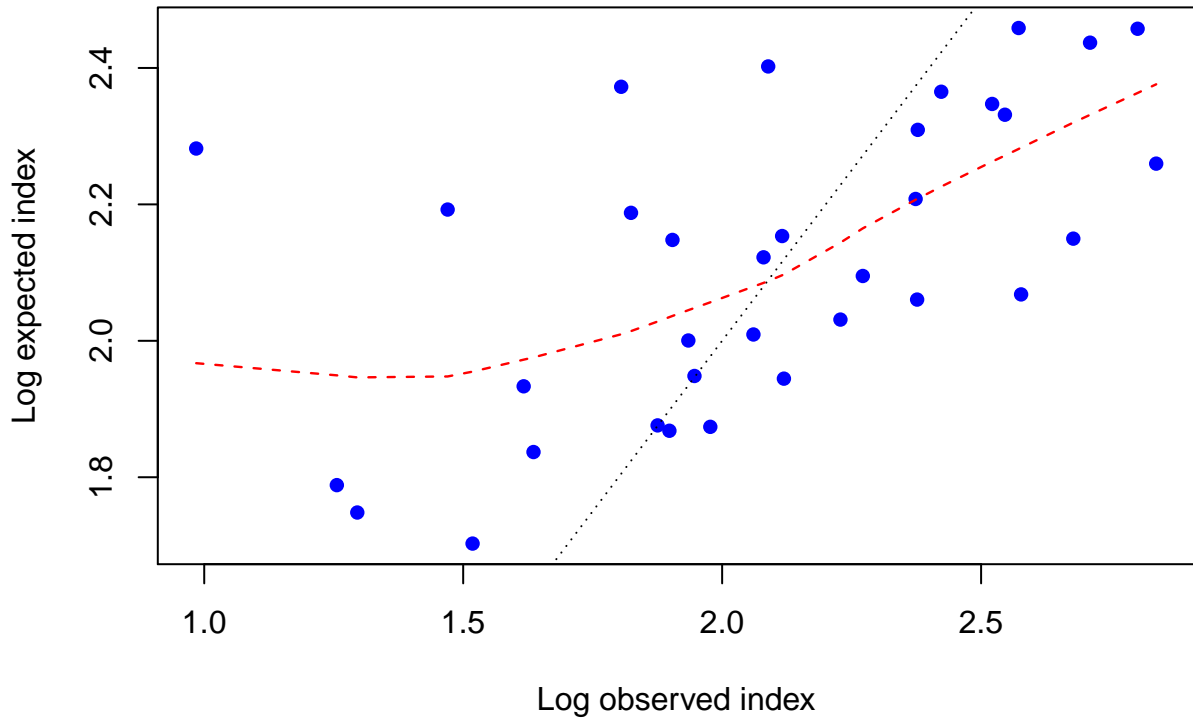


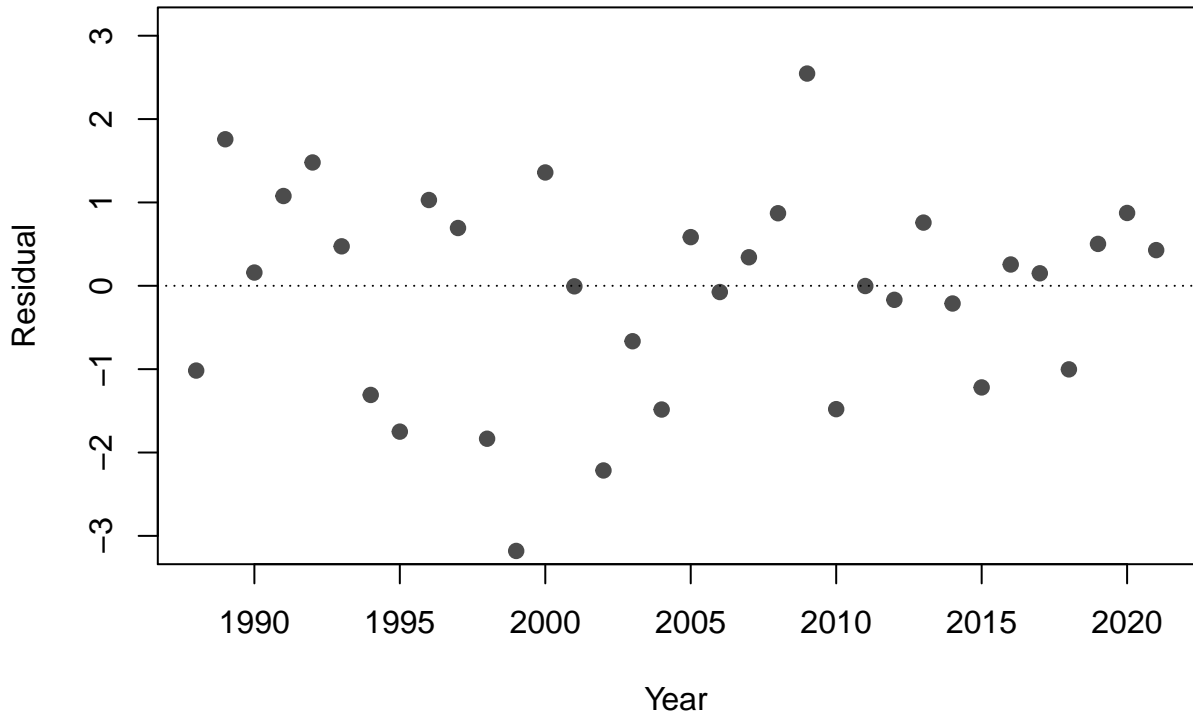
Log index

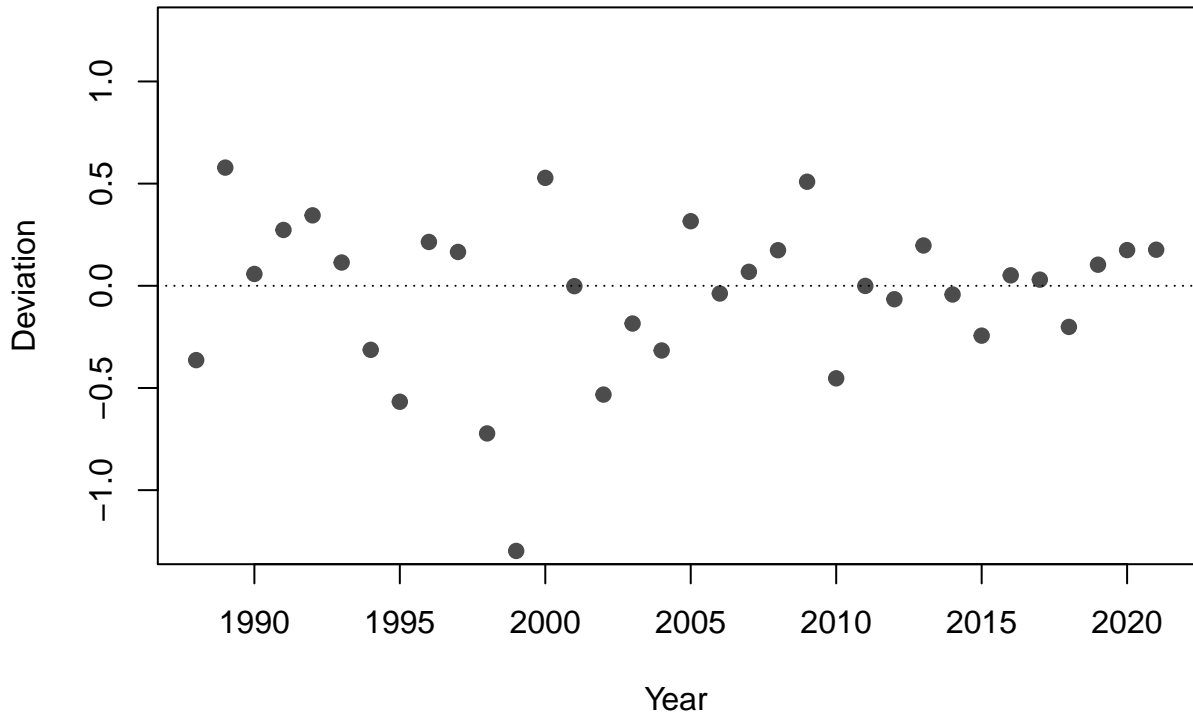


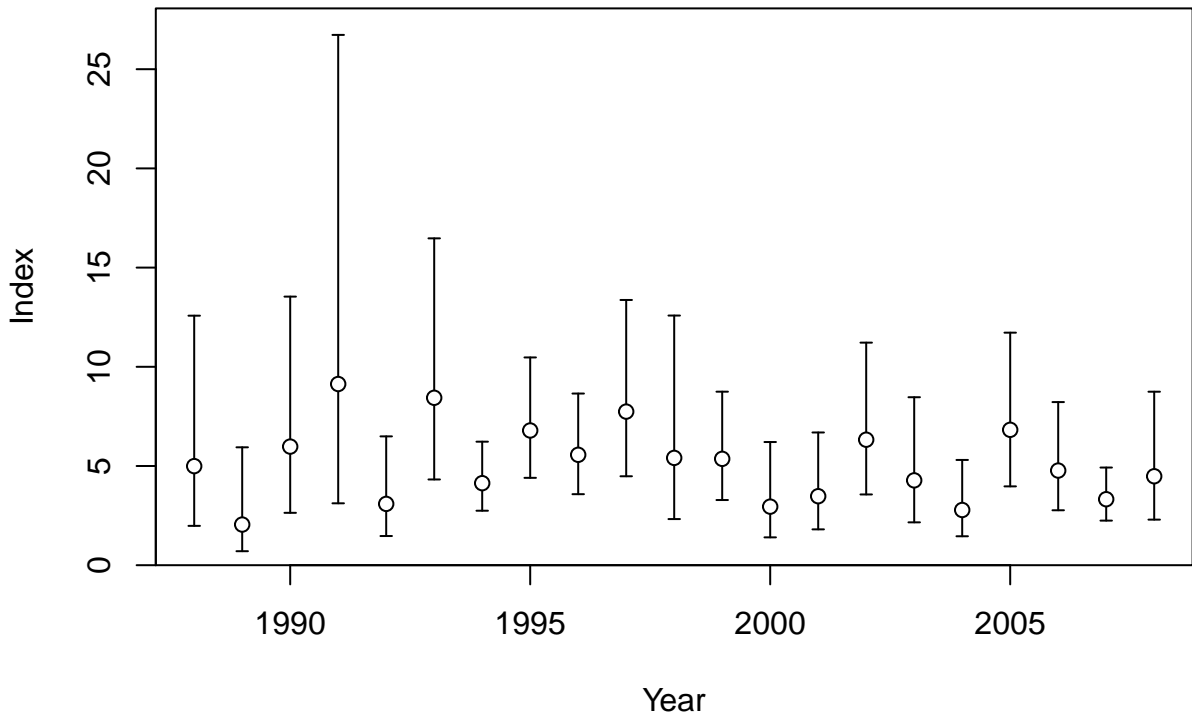
Log index

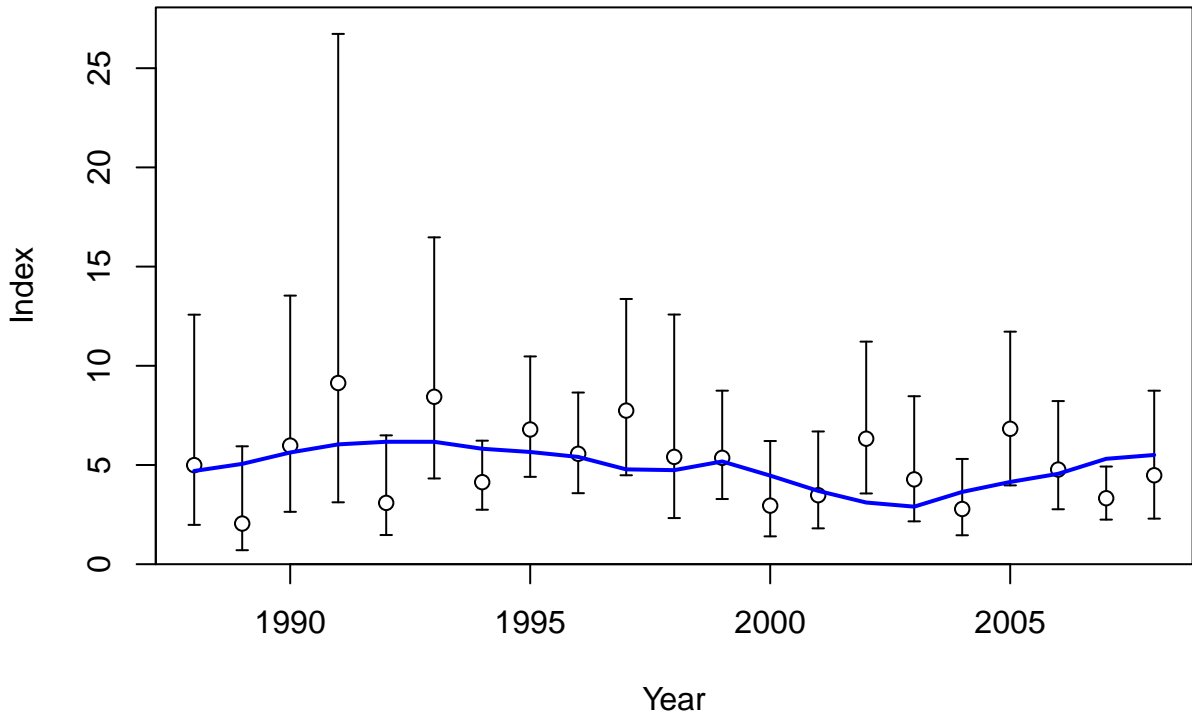




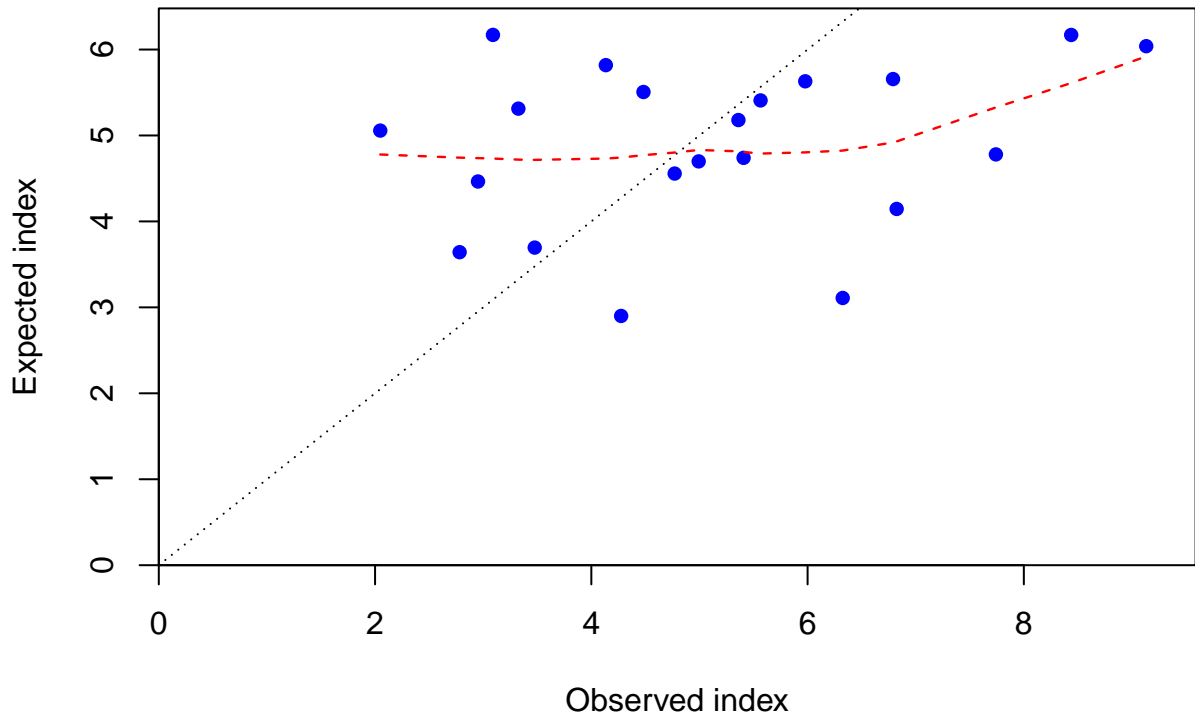


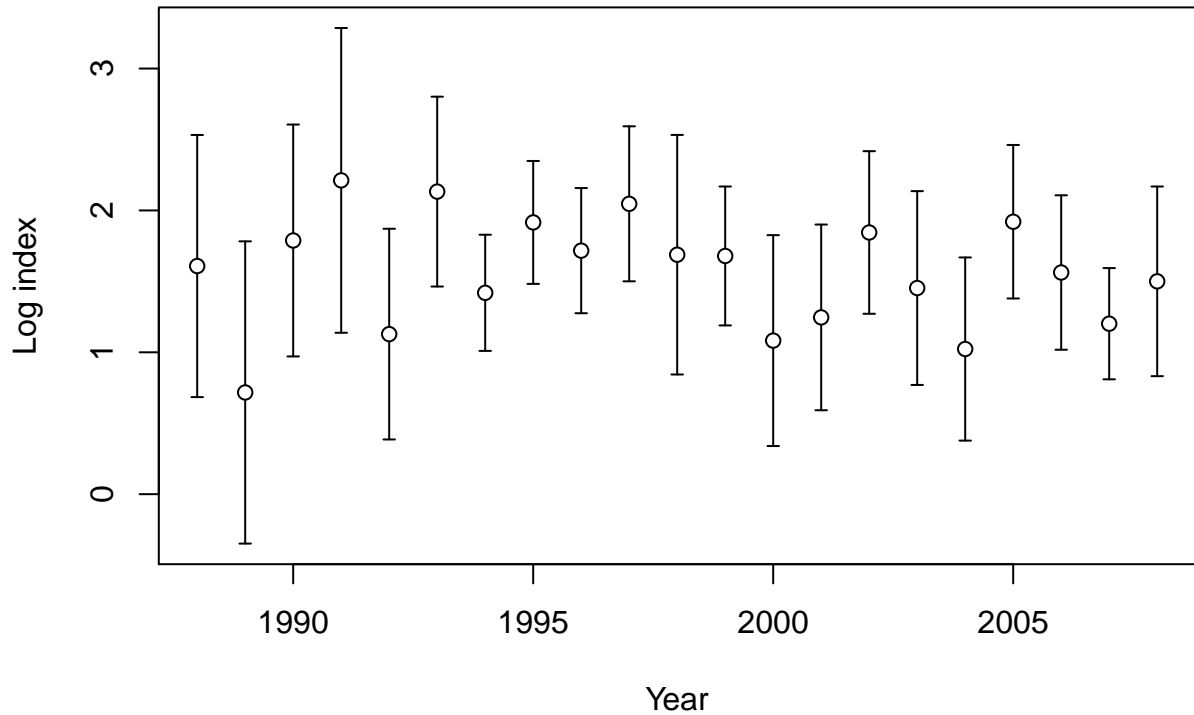


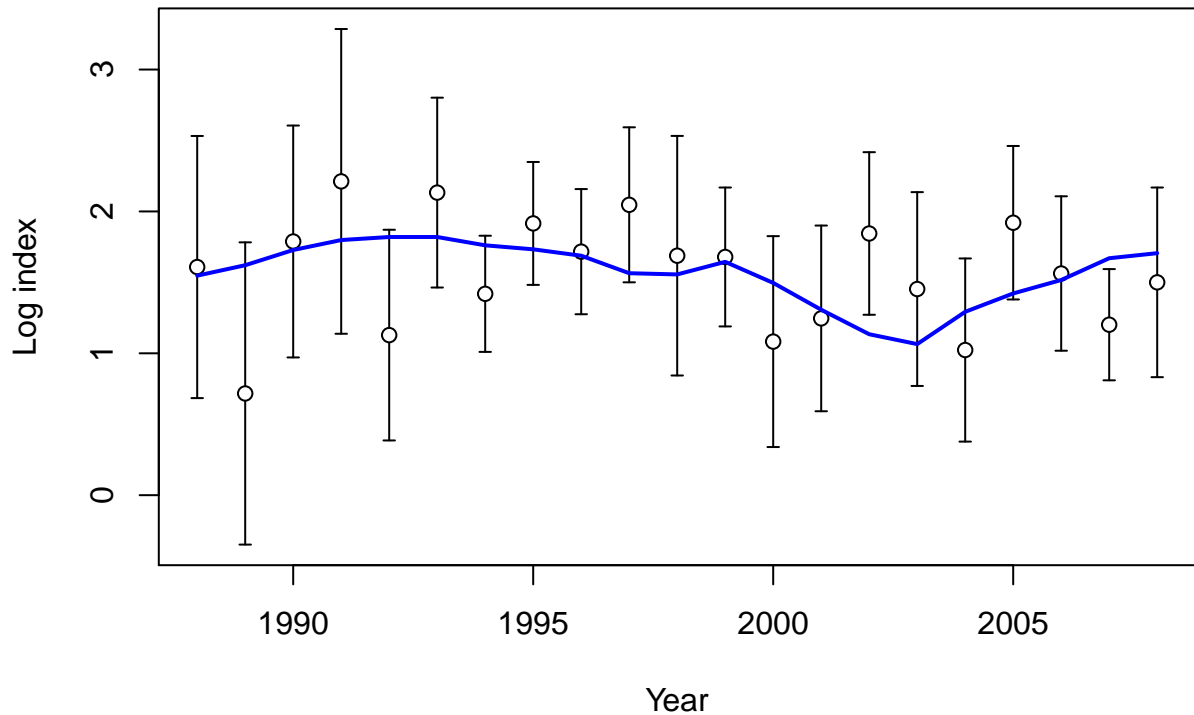


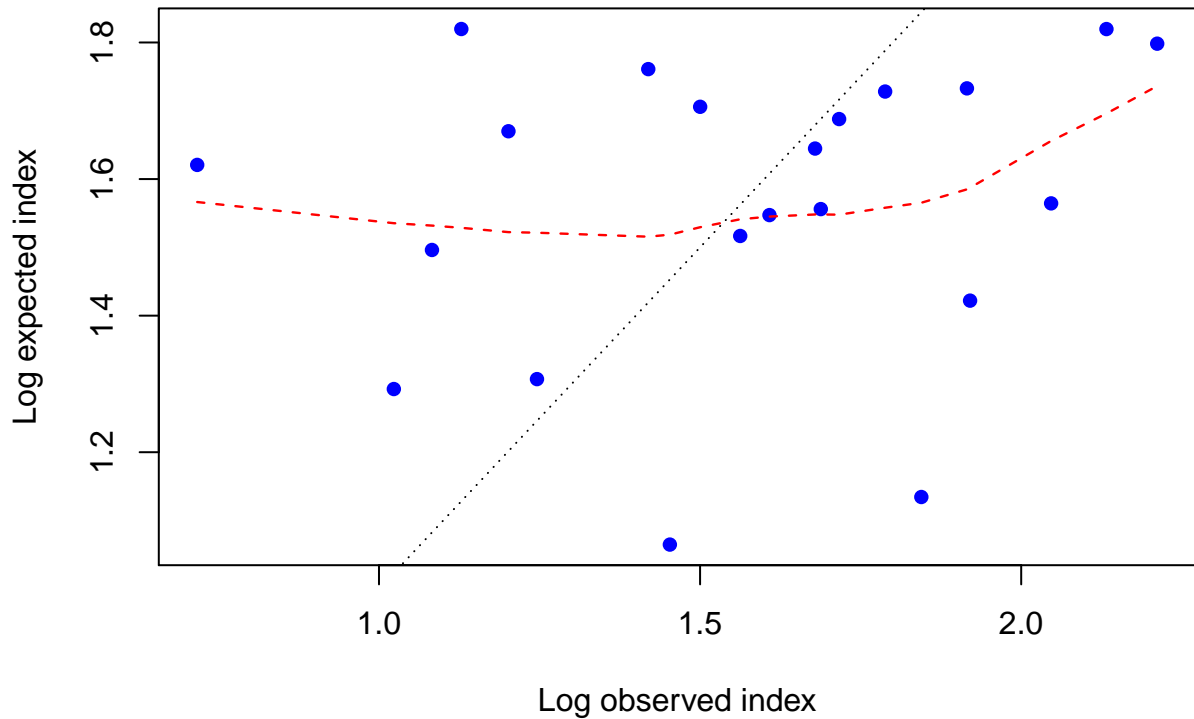


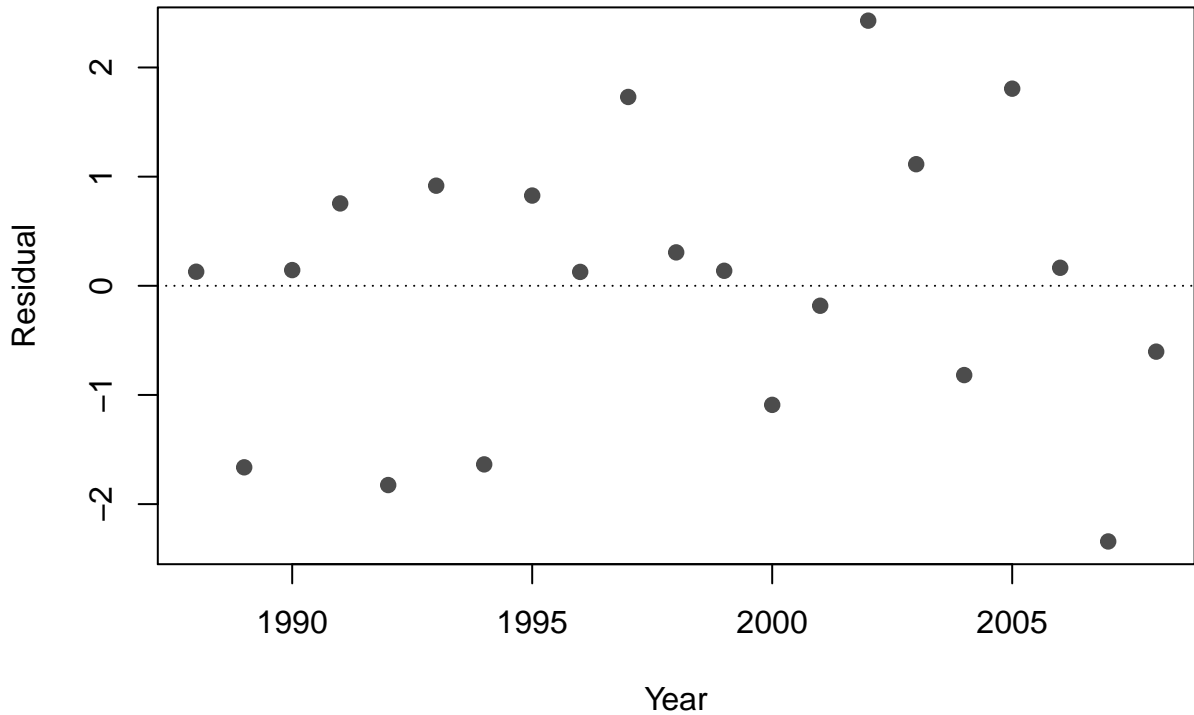


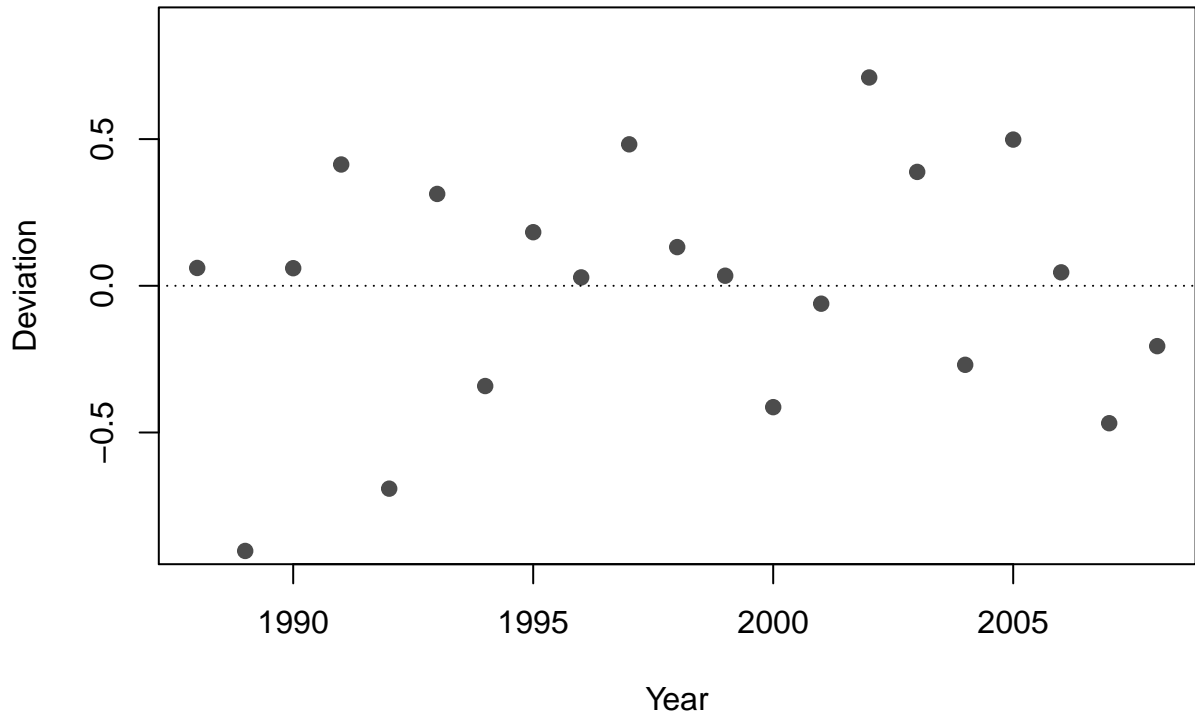




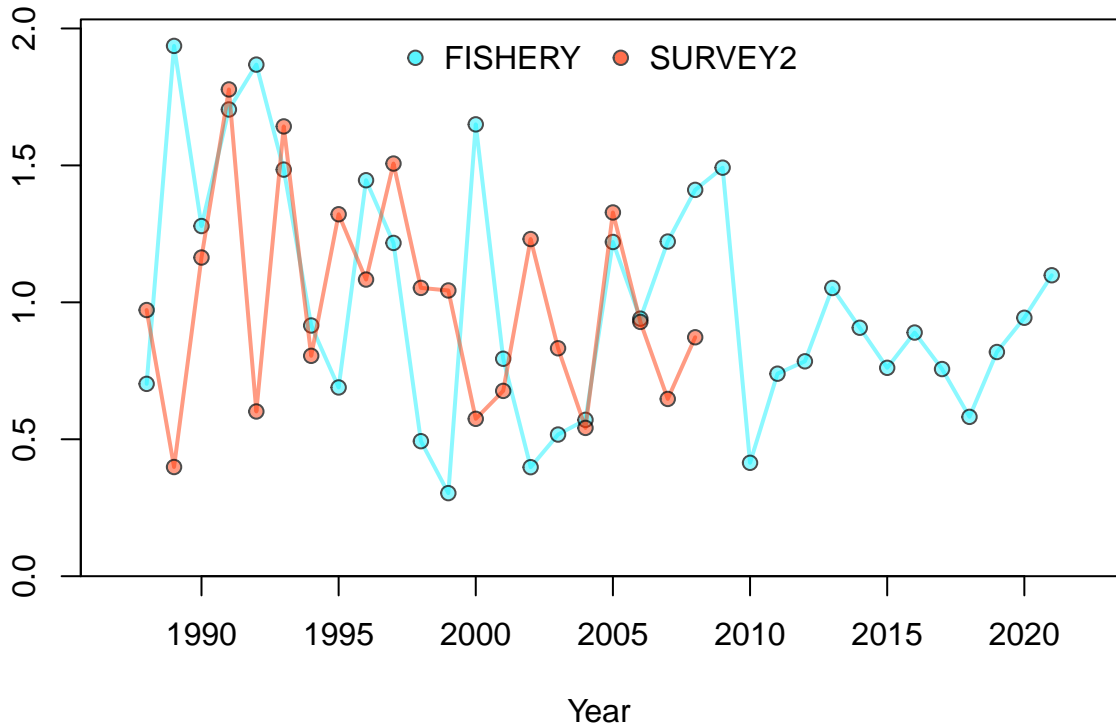


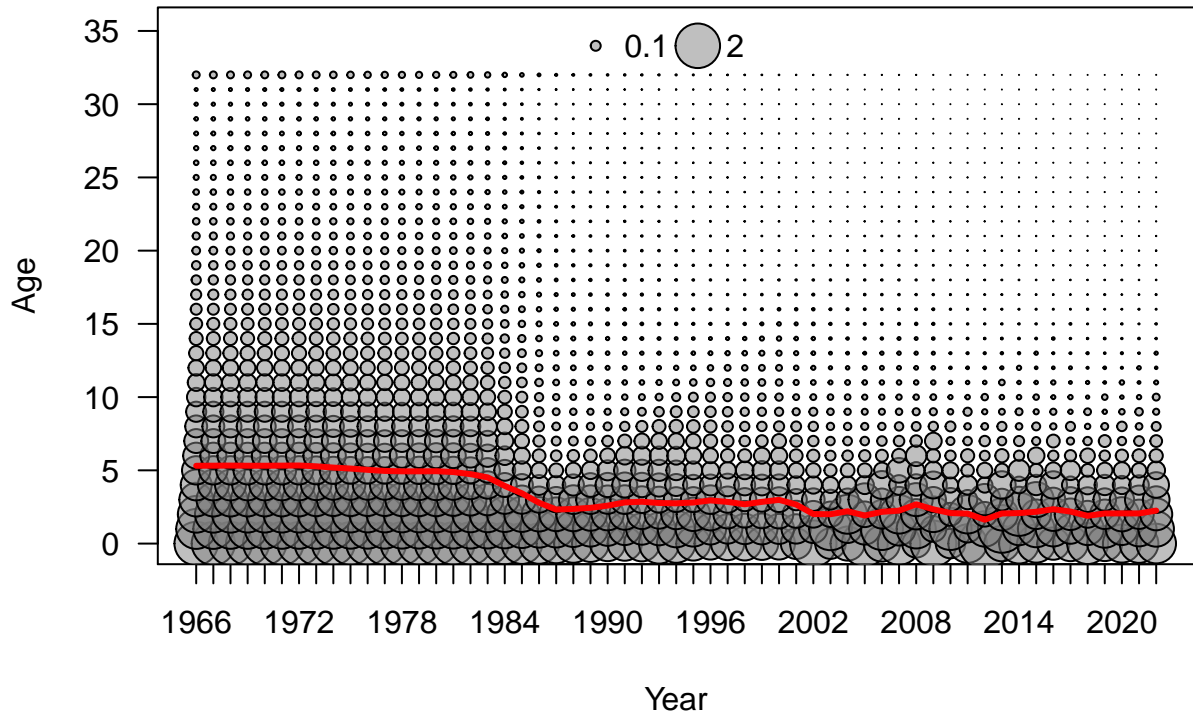




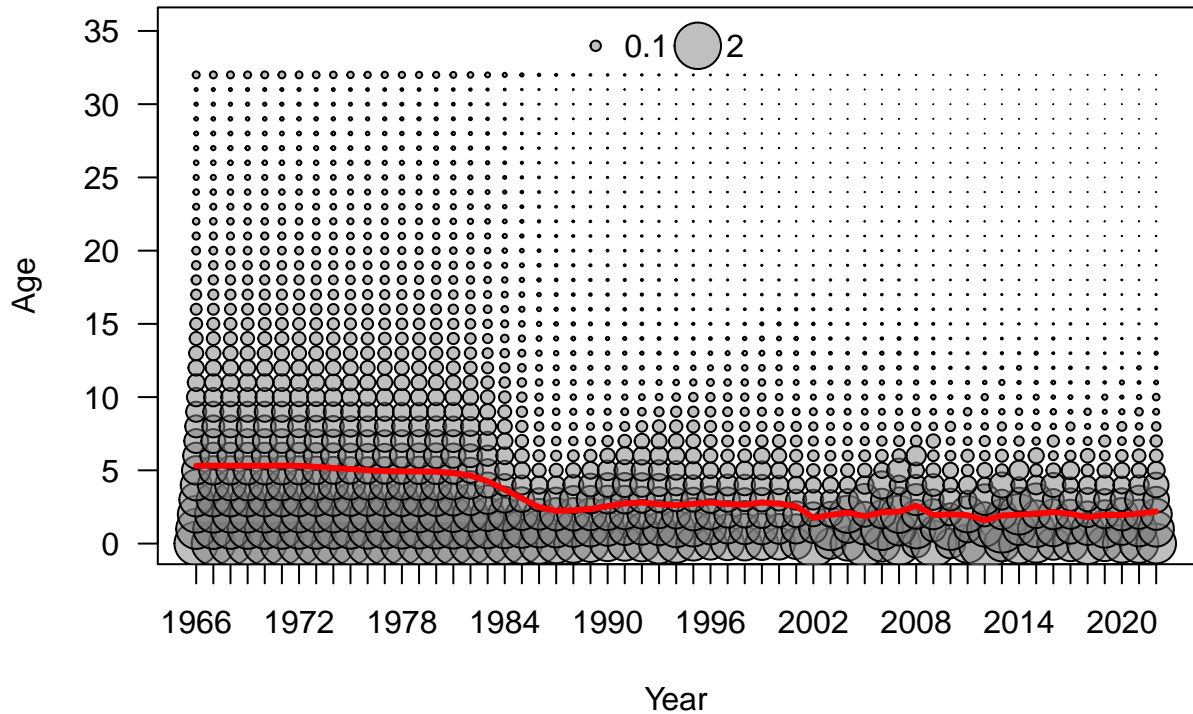


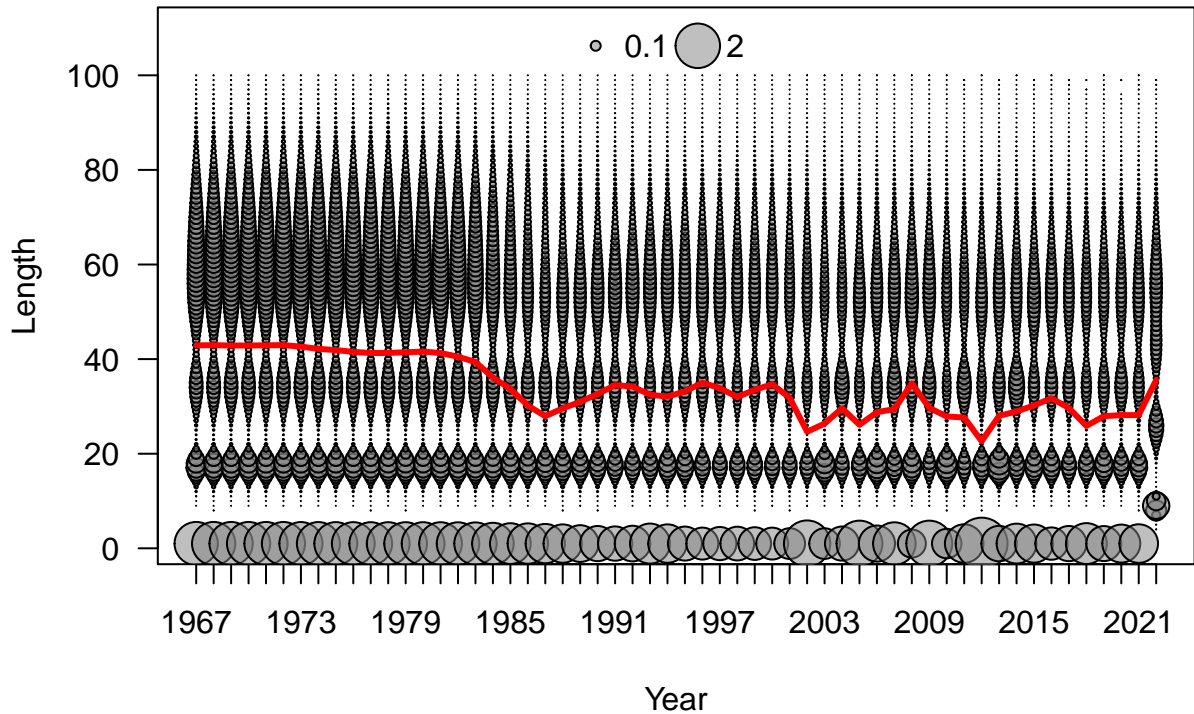
Standardized index

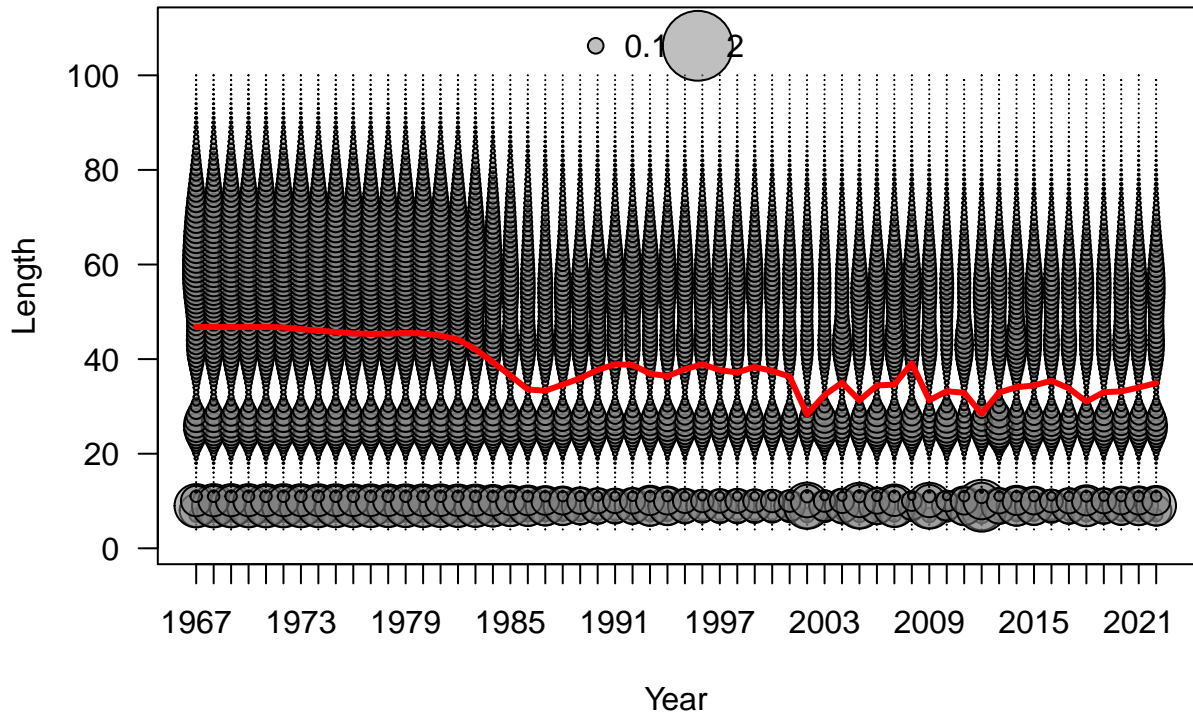




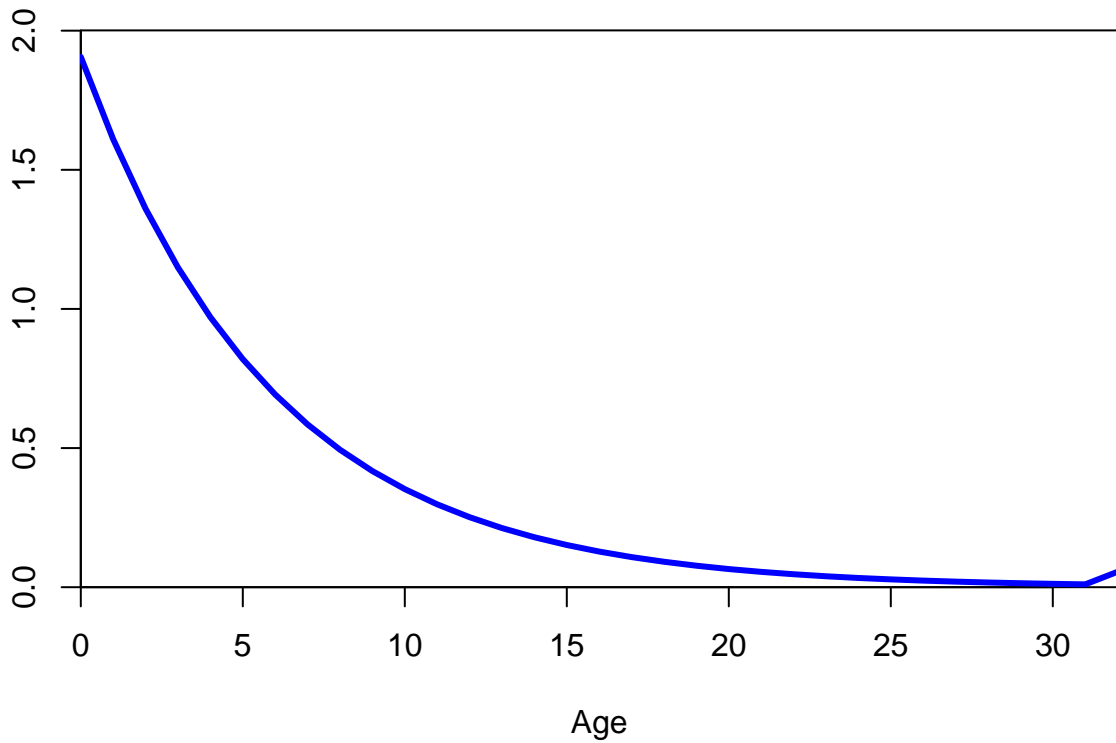


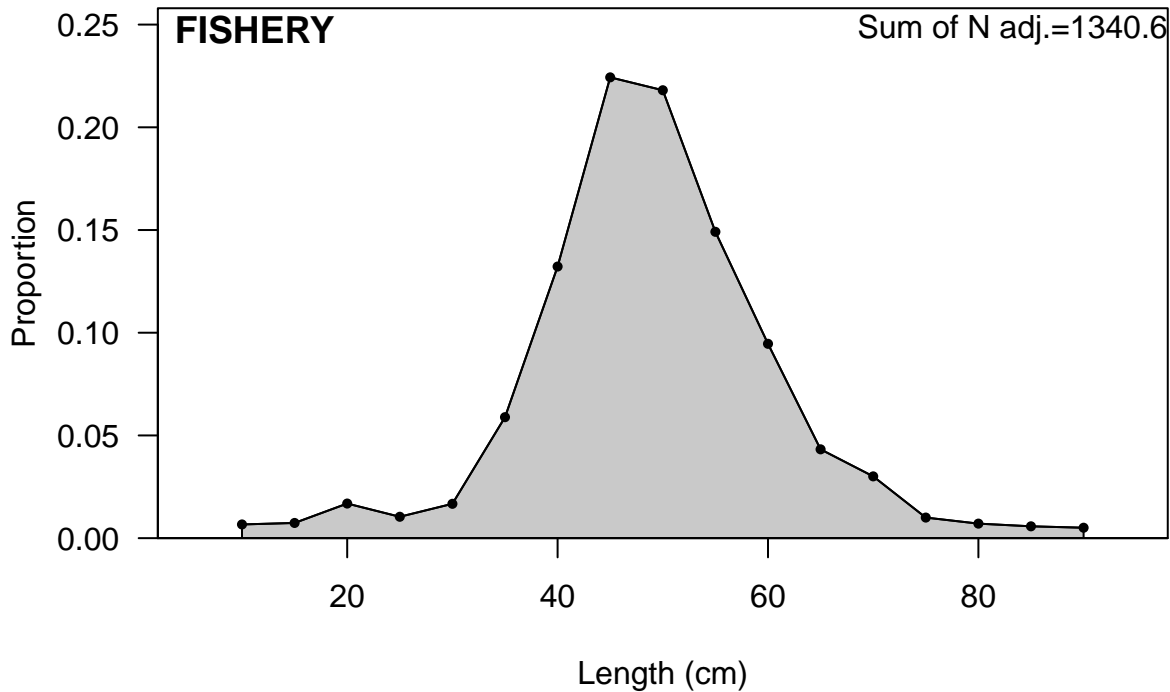






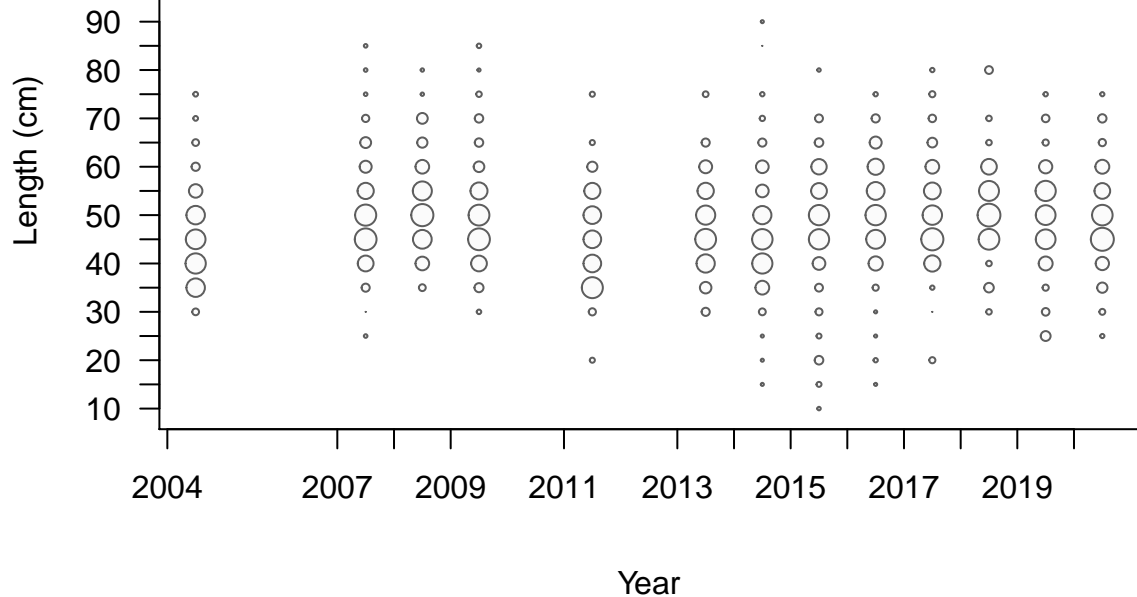
Numbers at age at equilibrium



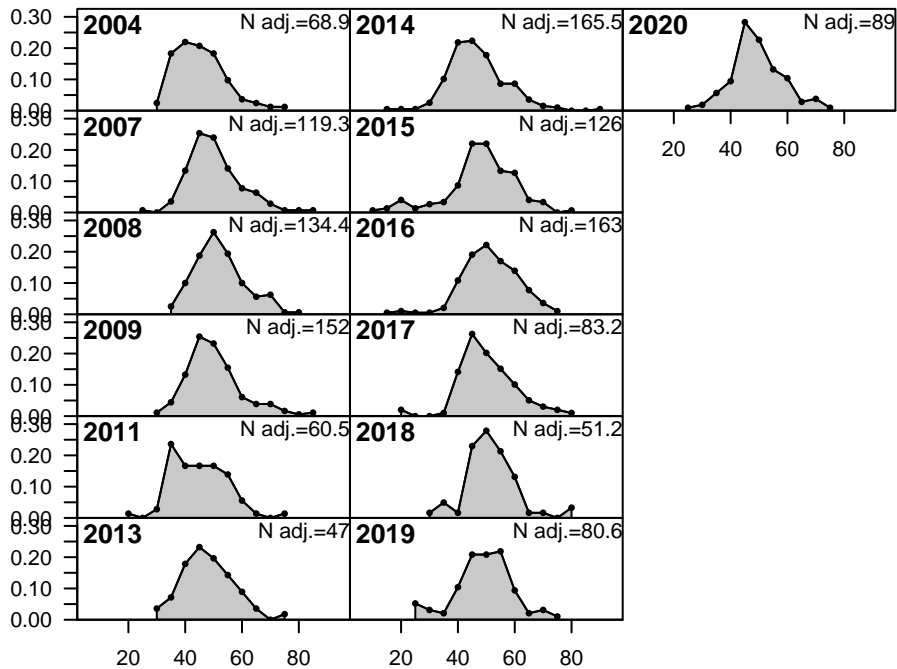


# FISHERY

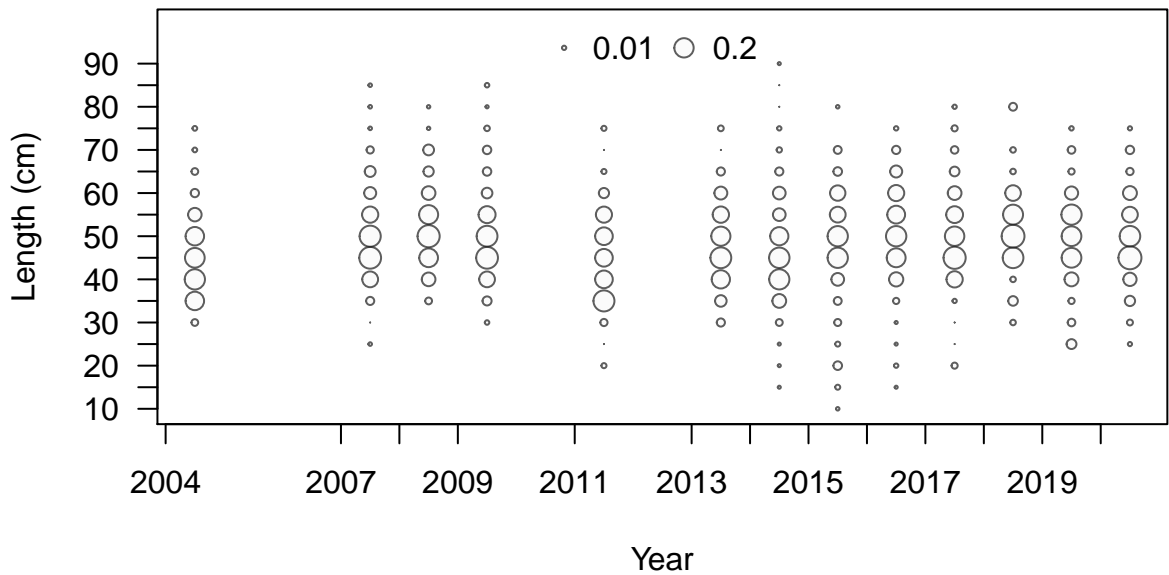
◦ 0.01 ○ 0.2



Proportion

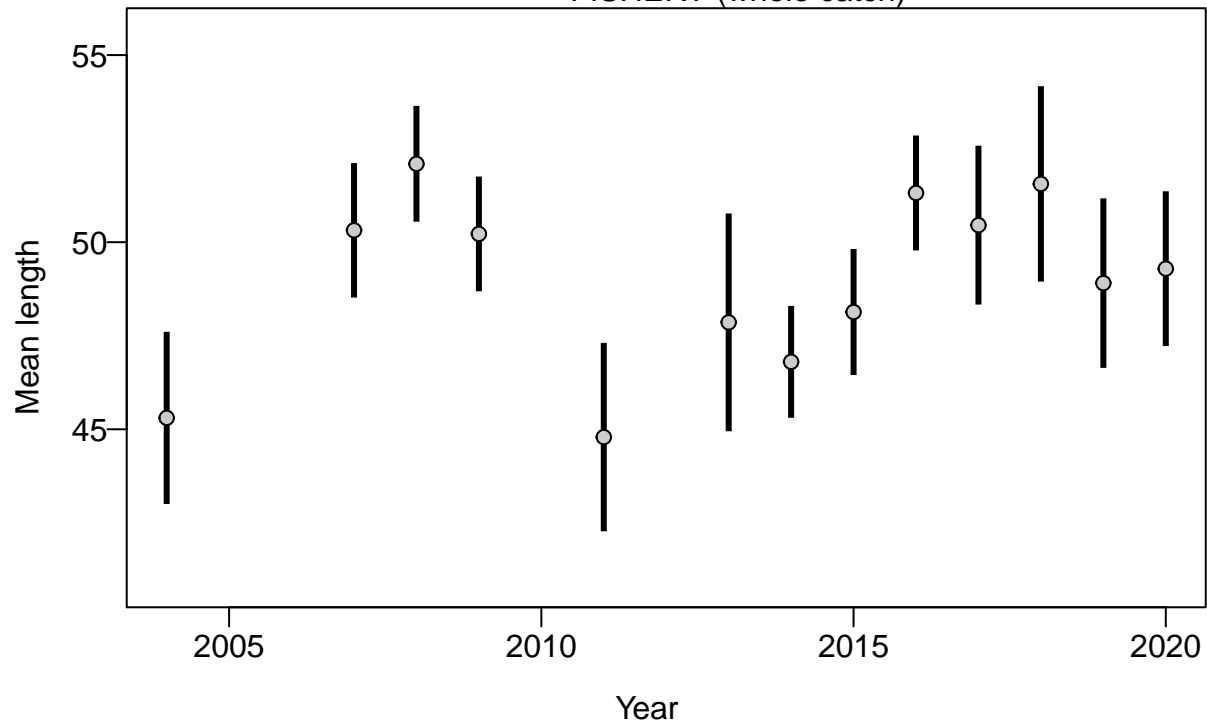


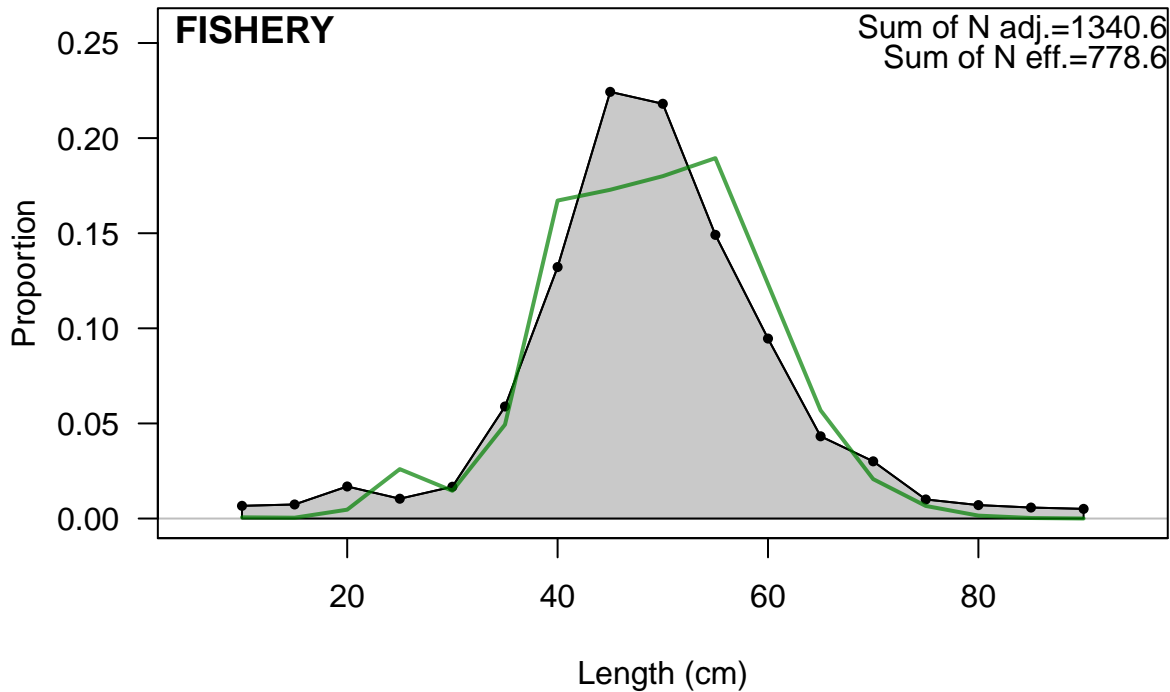
Length (cm)

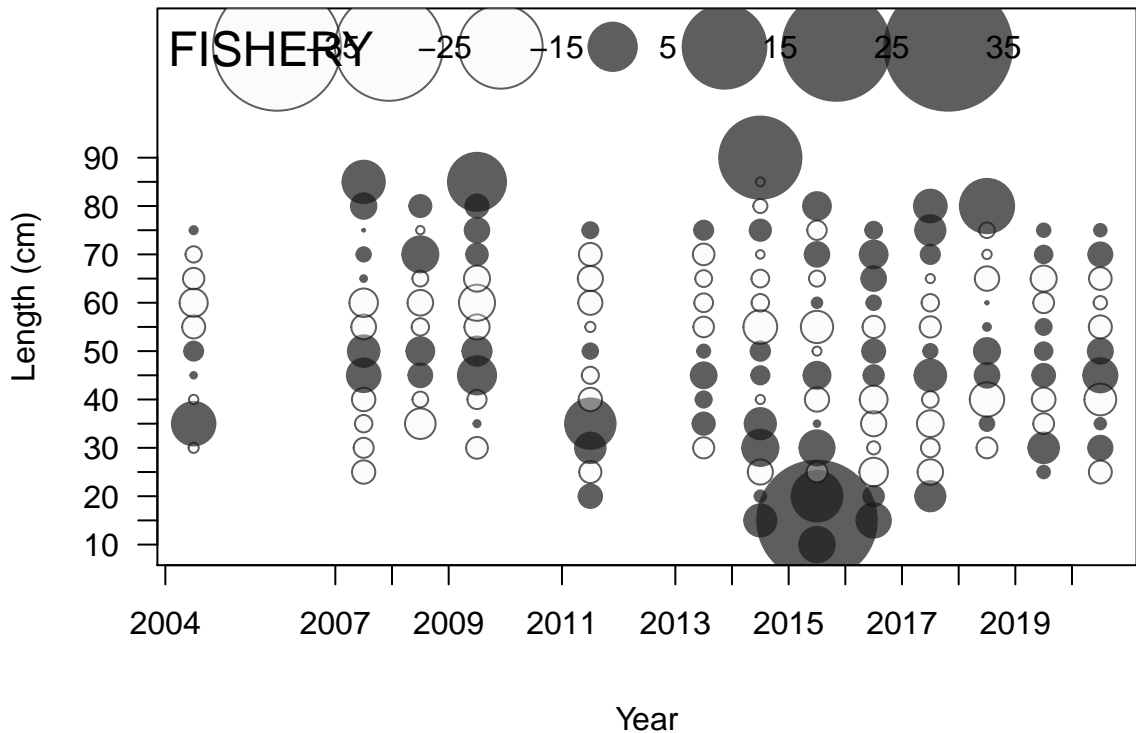




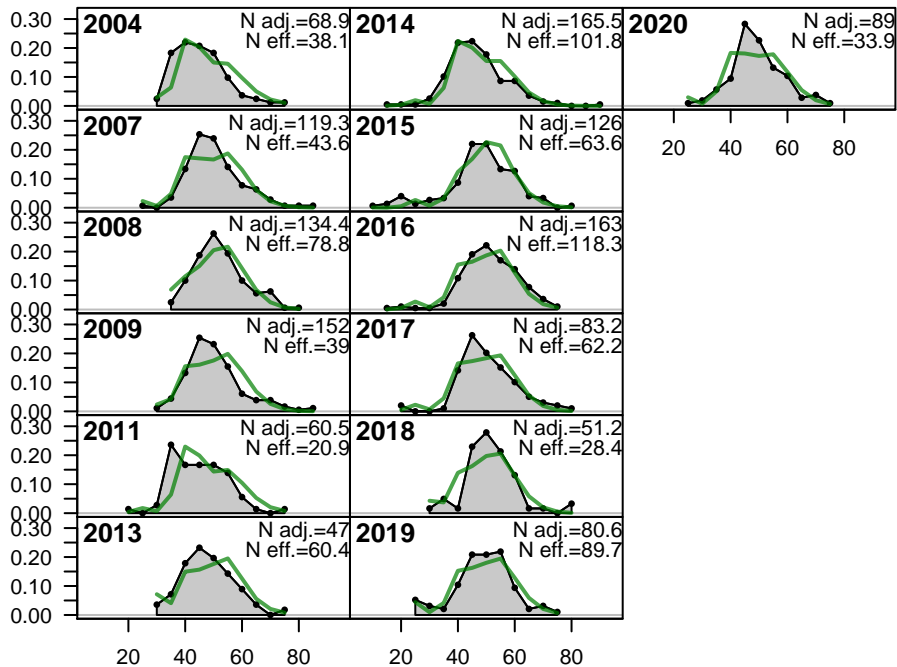
## FISHERY (whole catch)



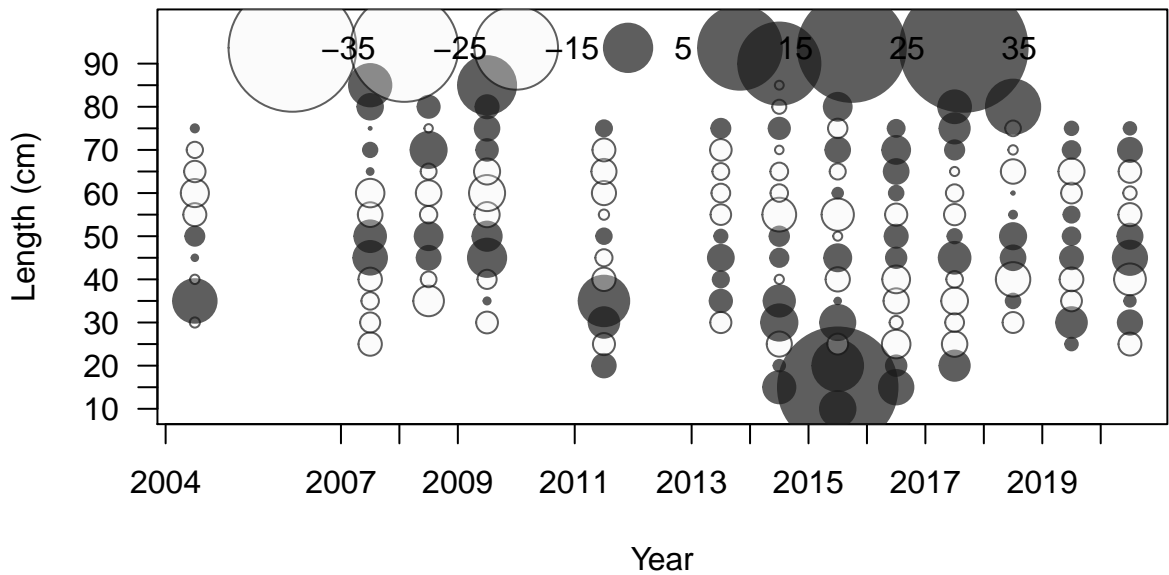




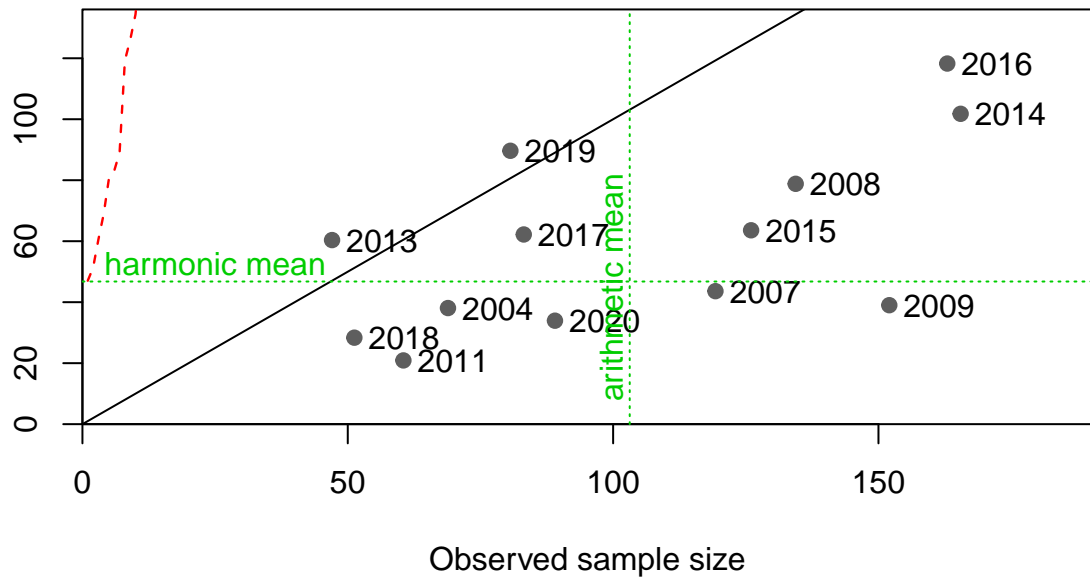
Proportion



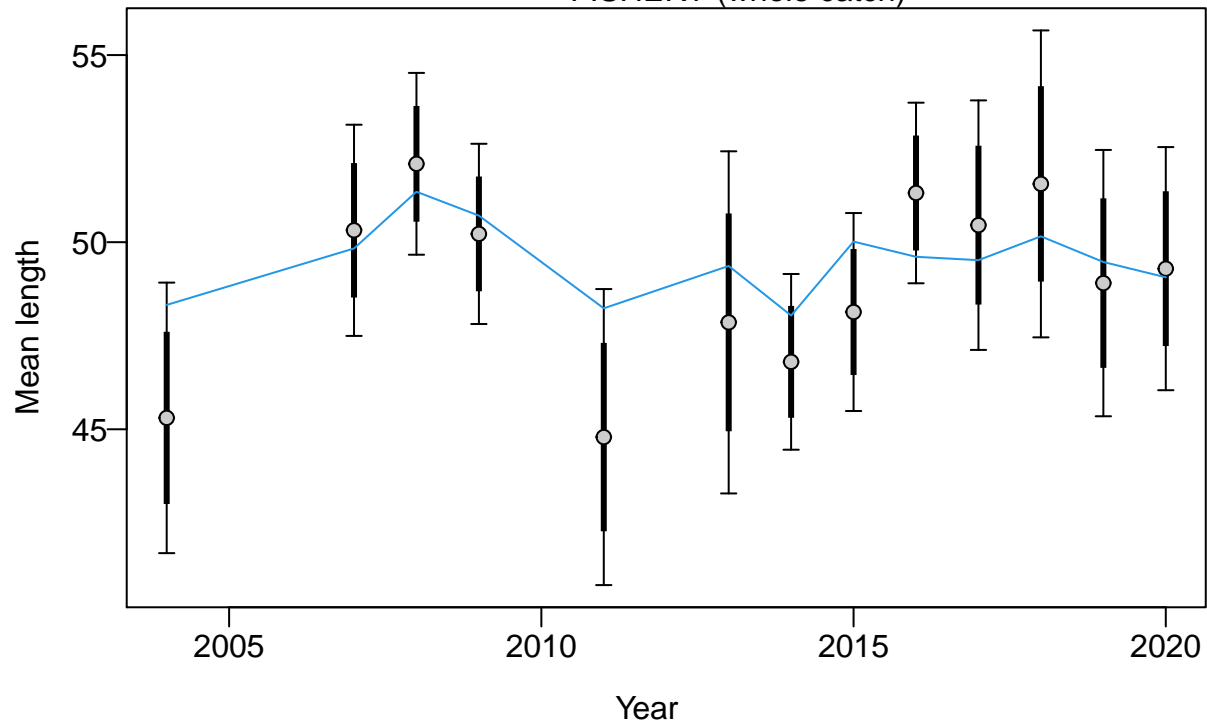
Length (cm)

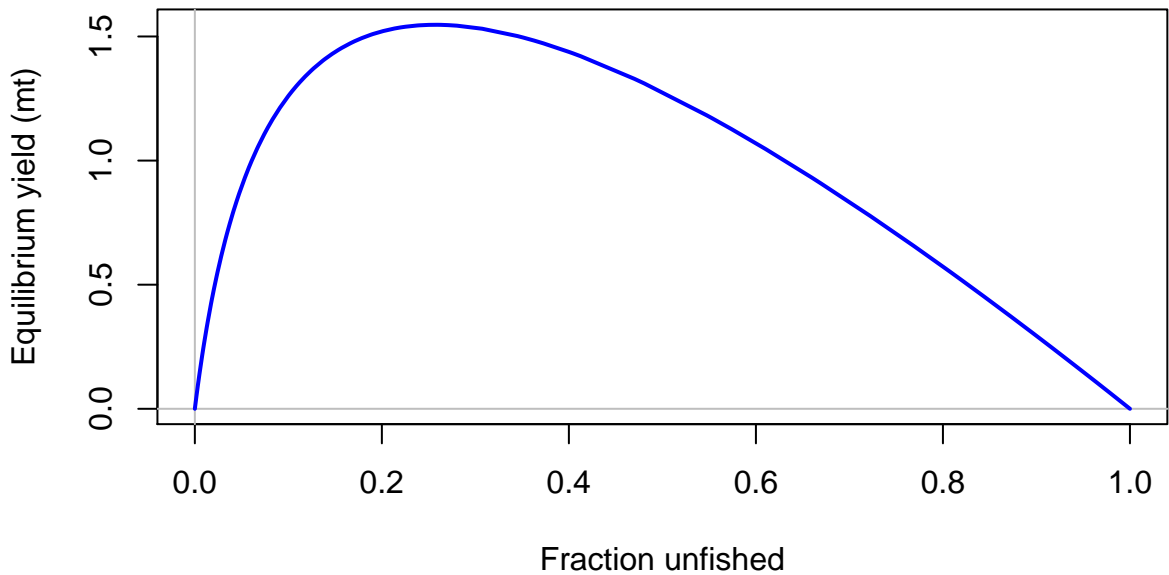


Effective sample size

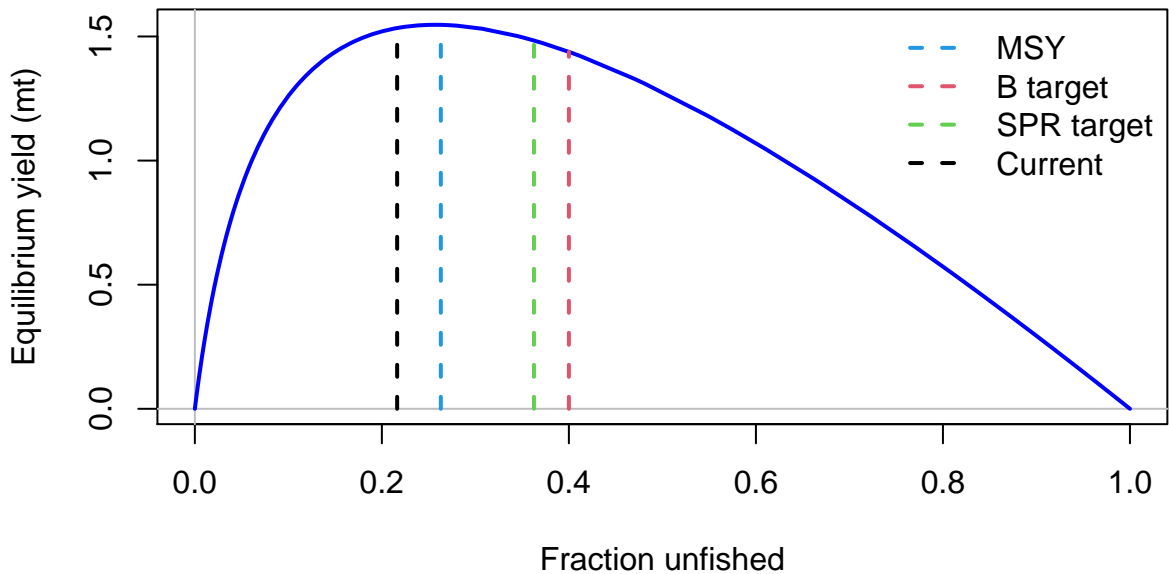


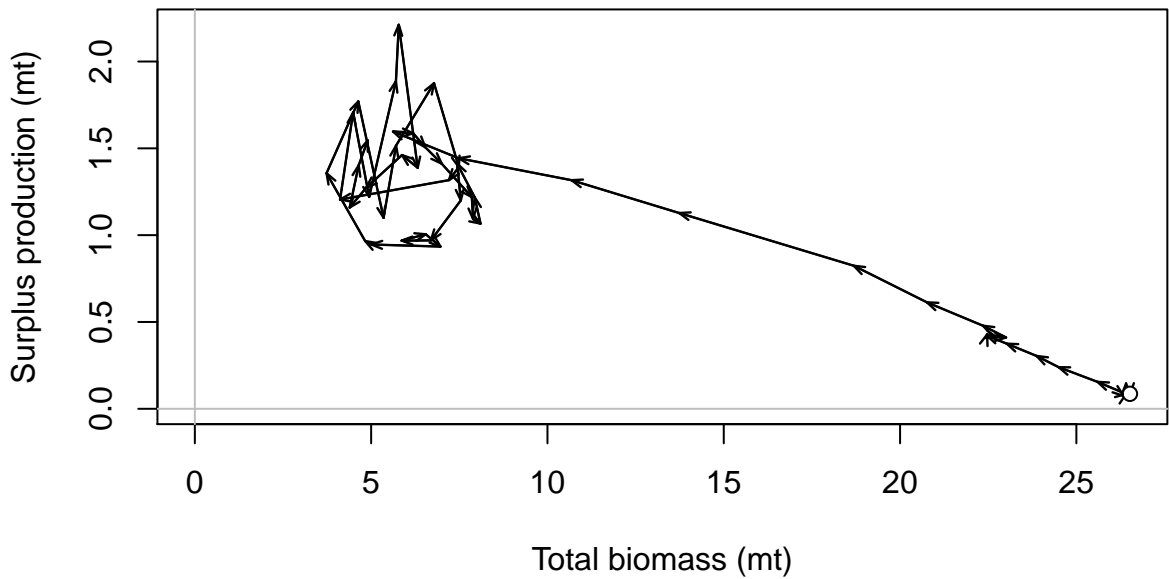
## FISHERY (whole catch)

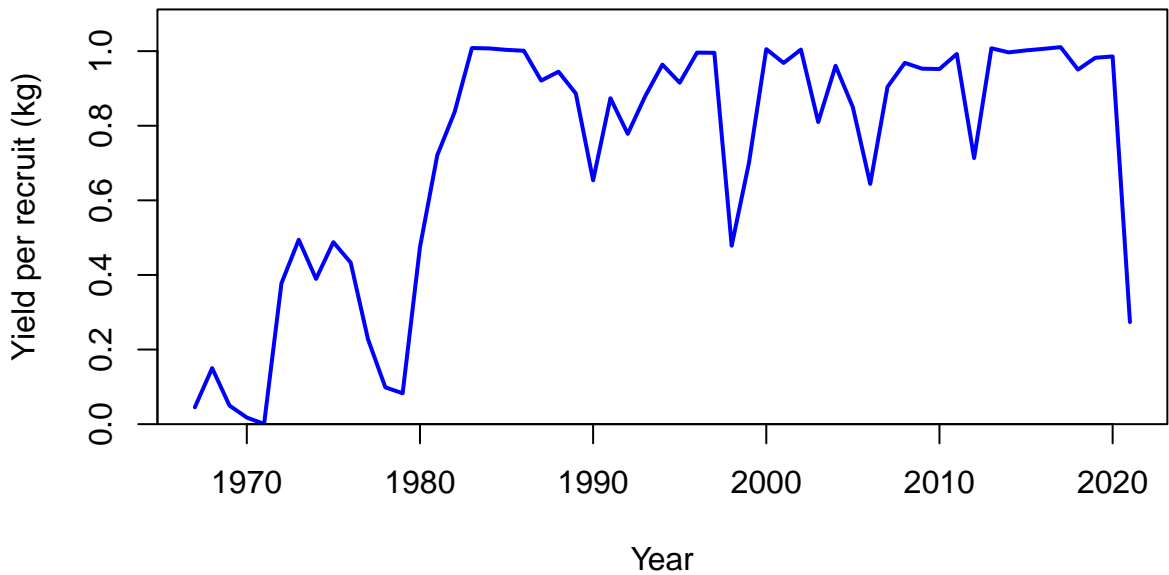


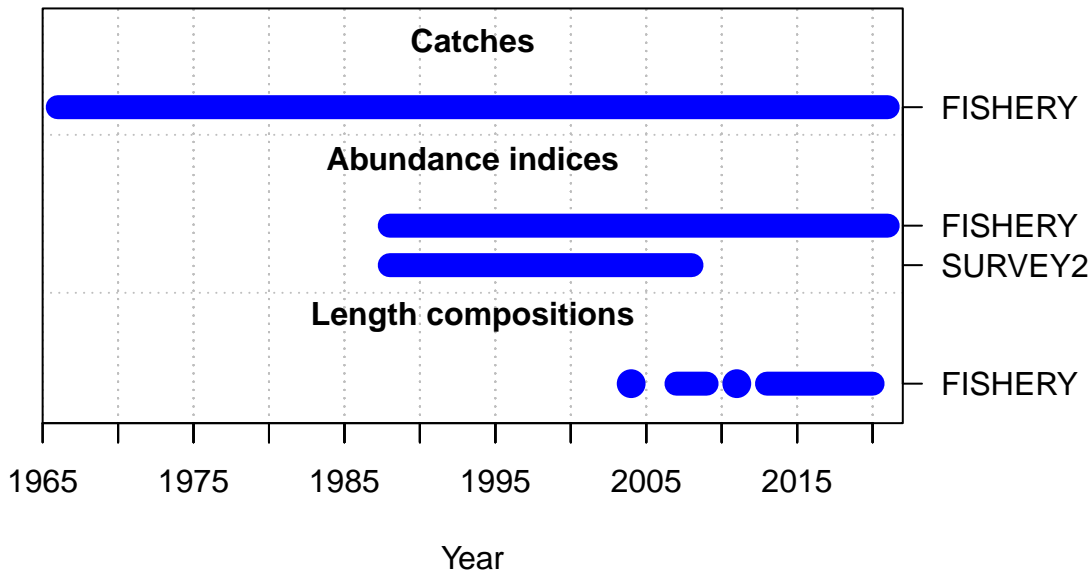


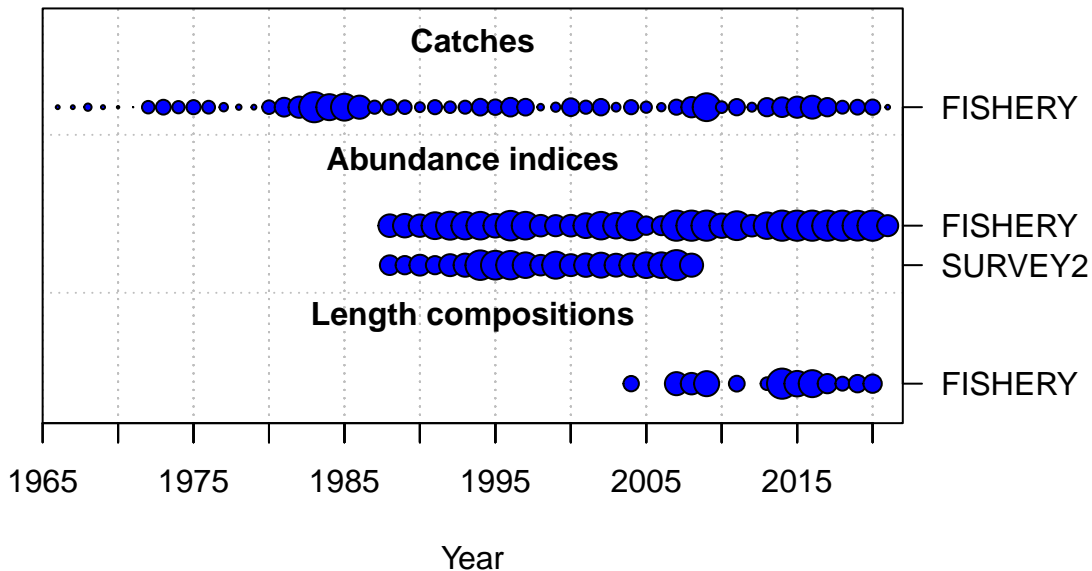






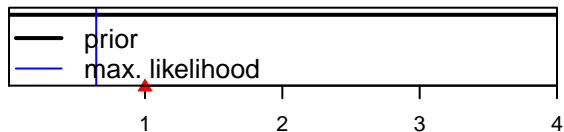




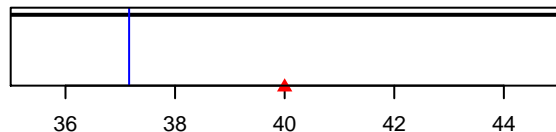


Density

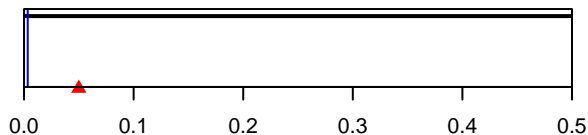
SR\_LN(R0)



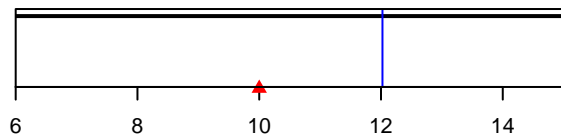
Size\_inflection\_FISHERY(1)



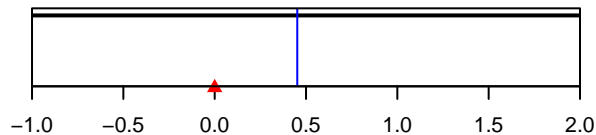
InitF\_seas\_1\_flt\_1FISHERY



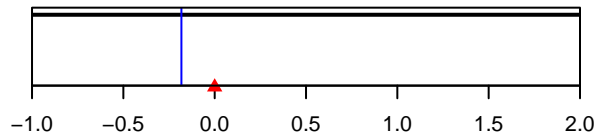
Size\_95%width\_FISHERY(1)



LnQ\_base\_FISHERY(1)



LnQ\_base\_SURVEY2(2)



Parameter value