

Plots created using the 'r4ss' package in R

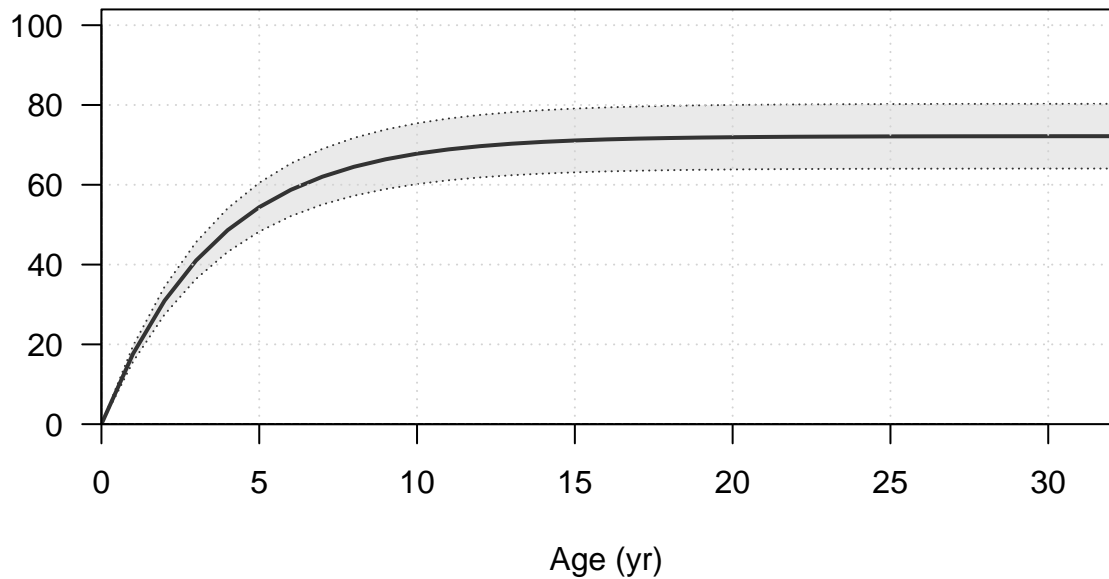
Stock Synthesis version: 3.30.19.0

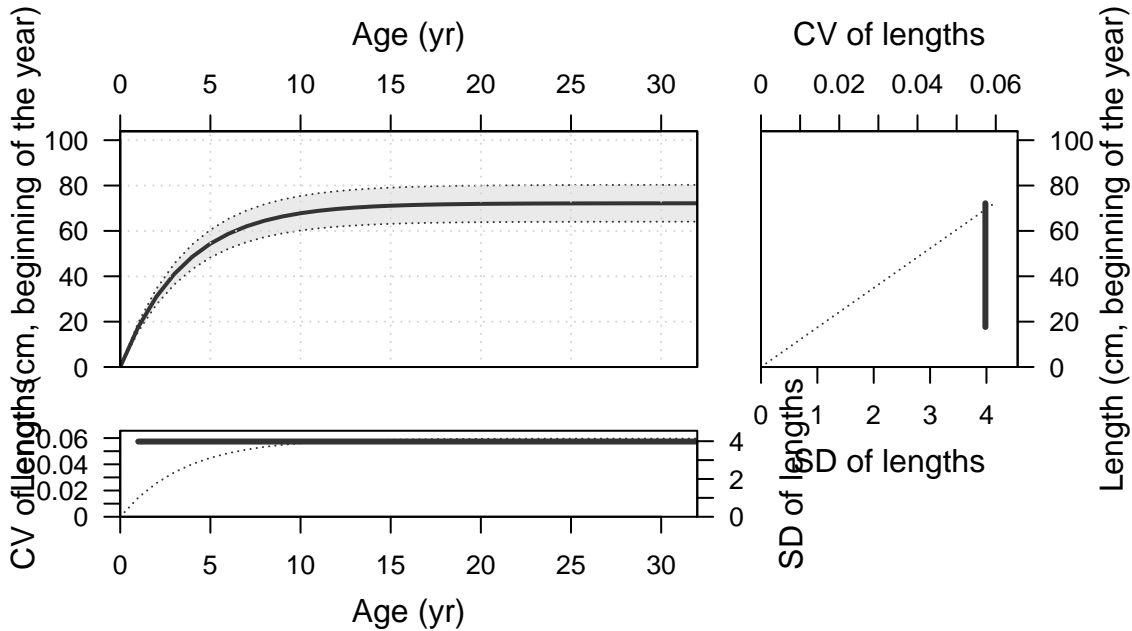
StartTime: Sun Aug 28 11:01:04 2022

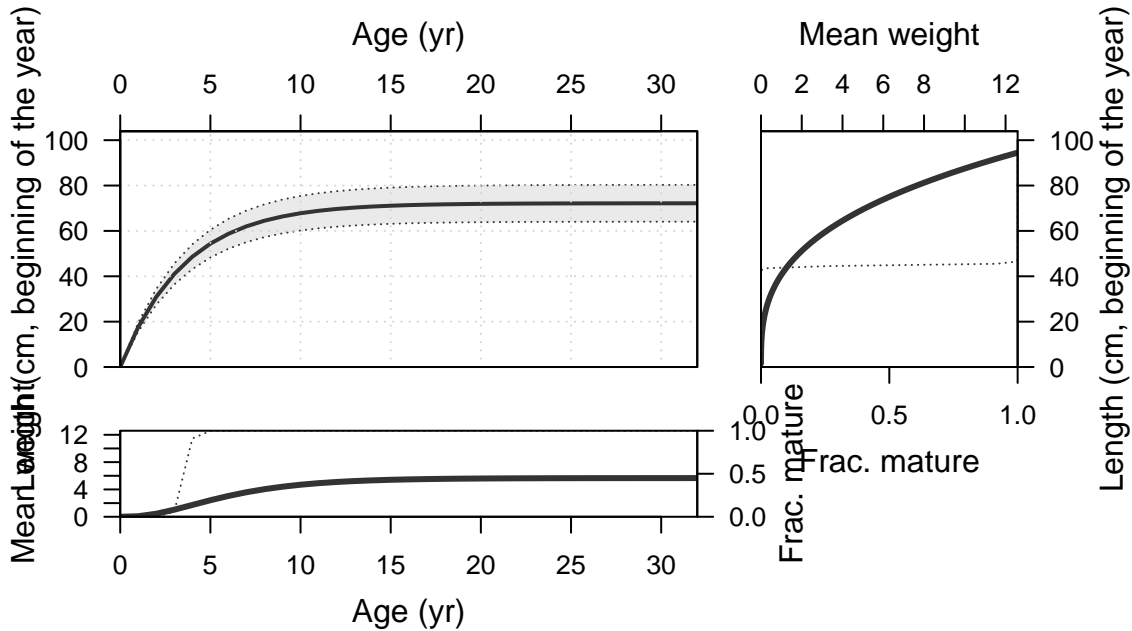
Data\_File: data.ss

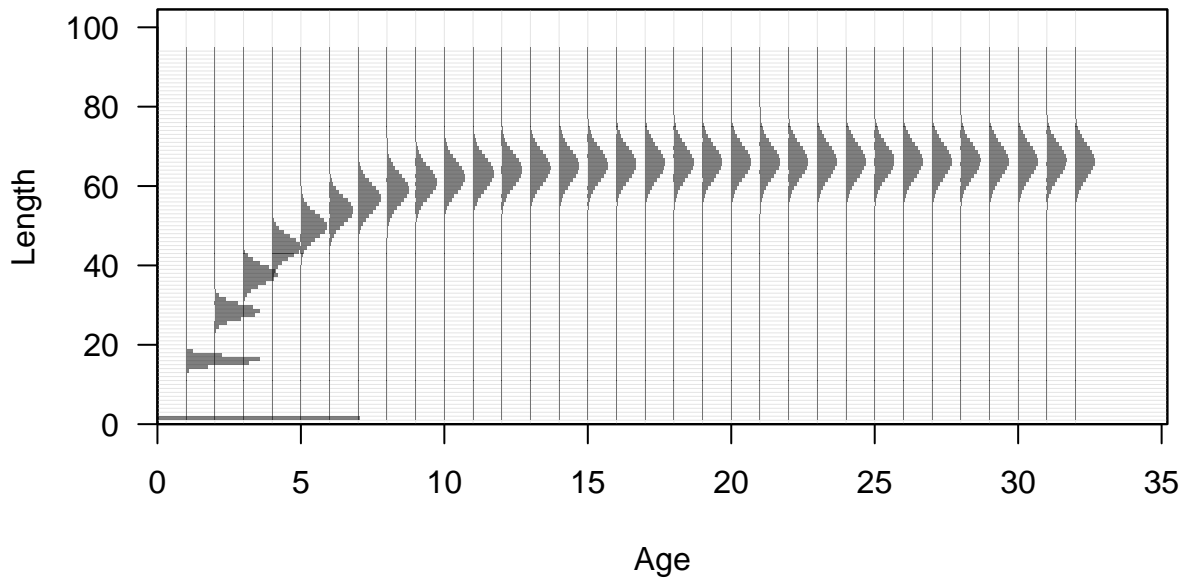
Control\_File: control.ss

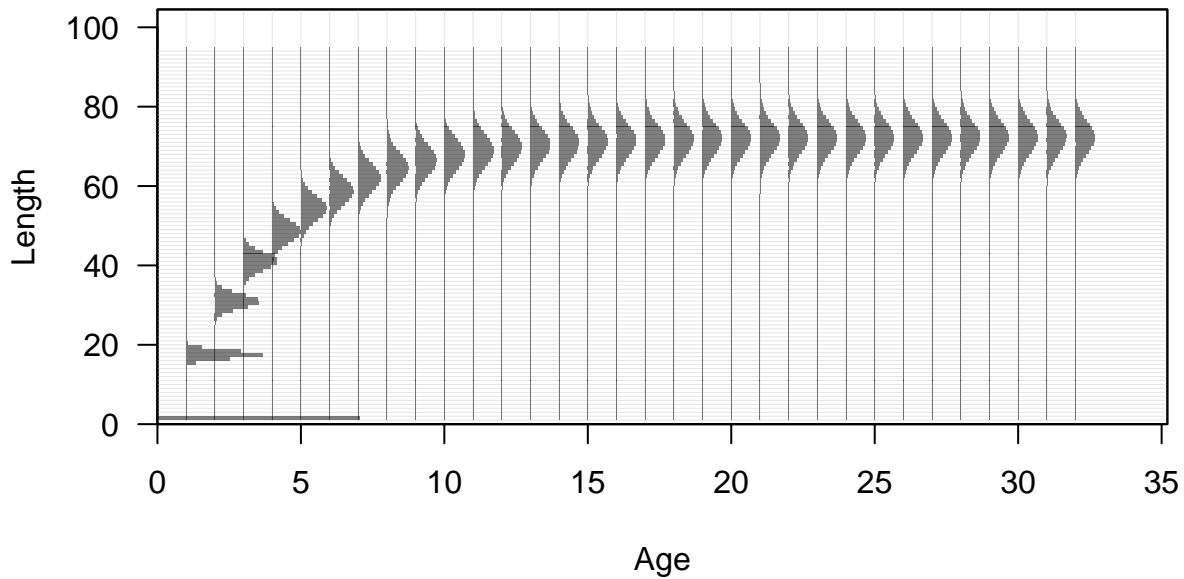
Length (cm, beginning of the year)

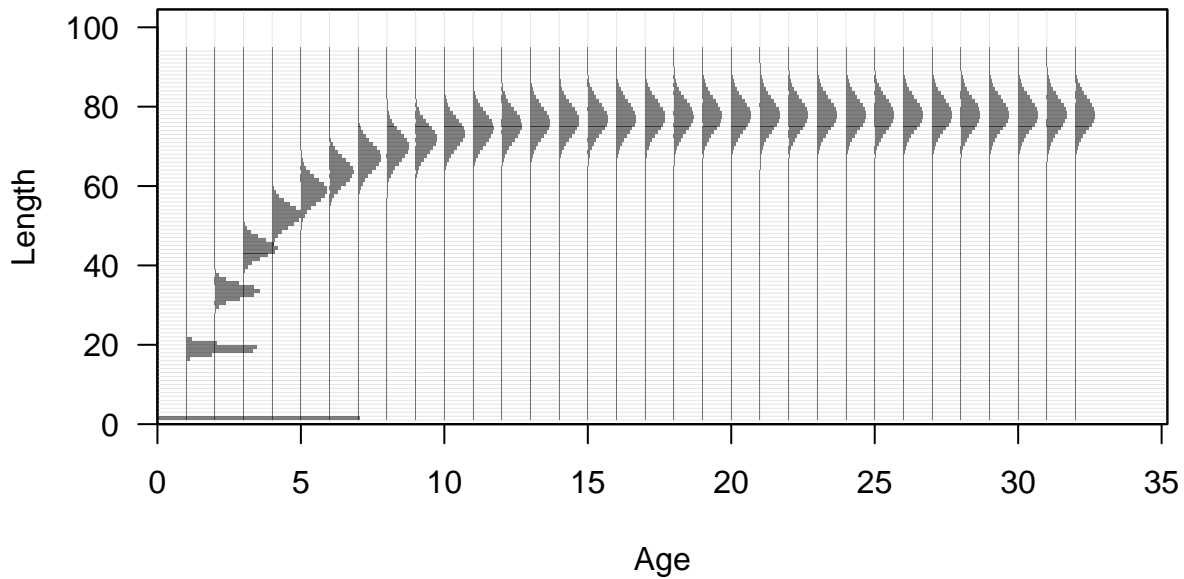


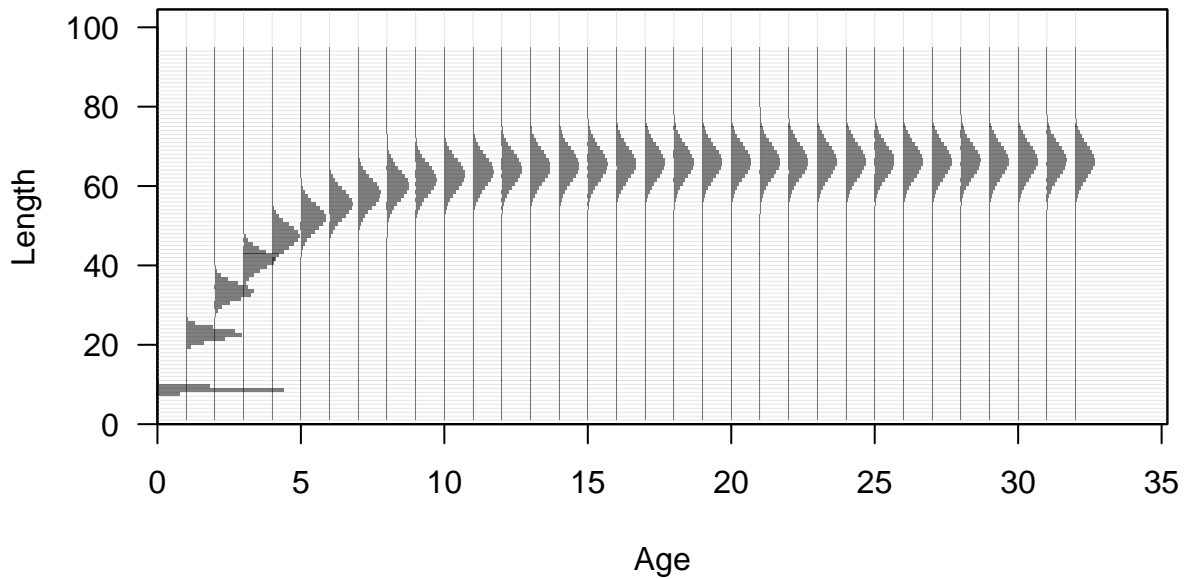




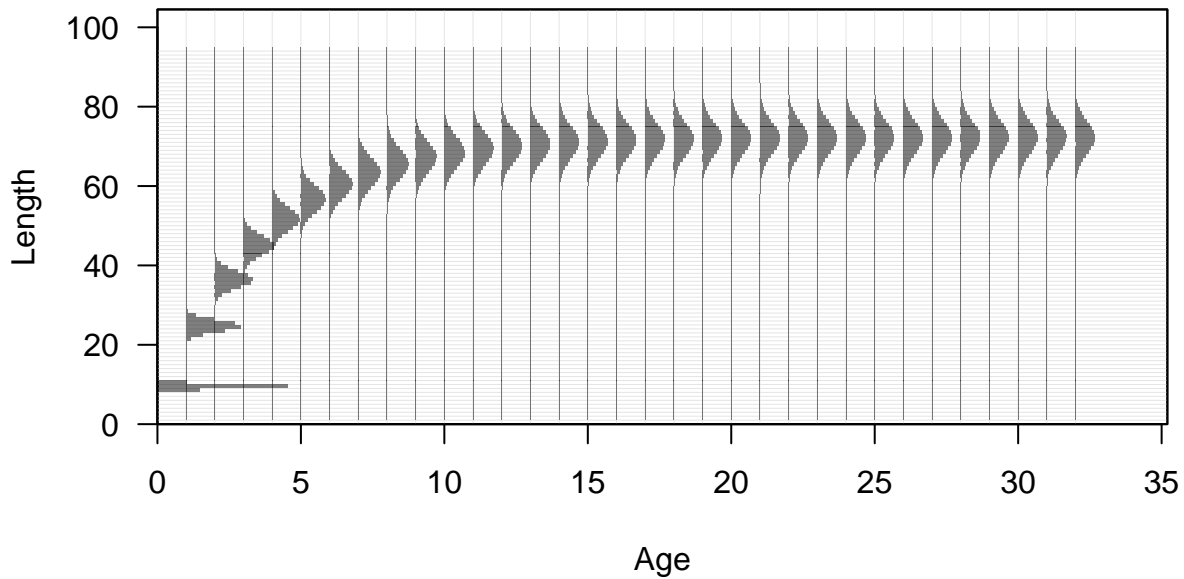


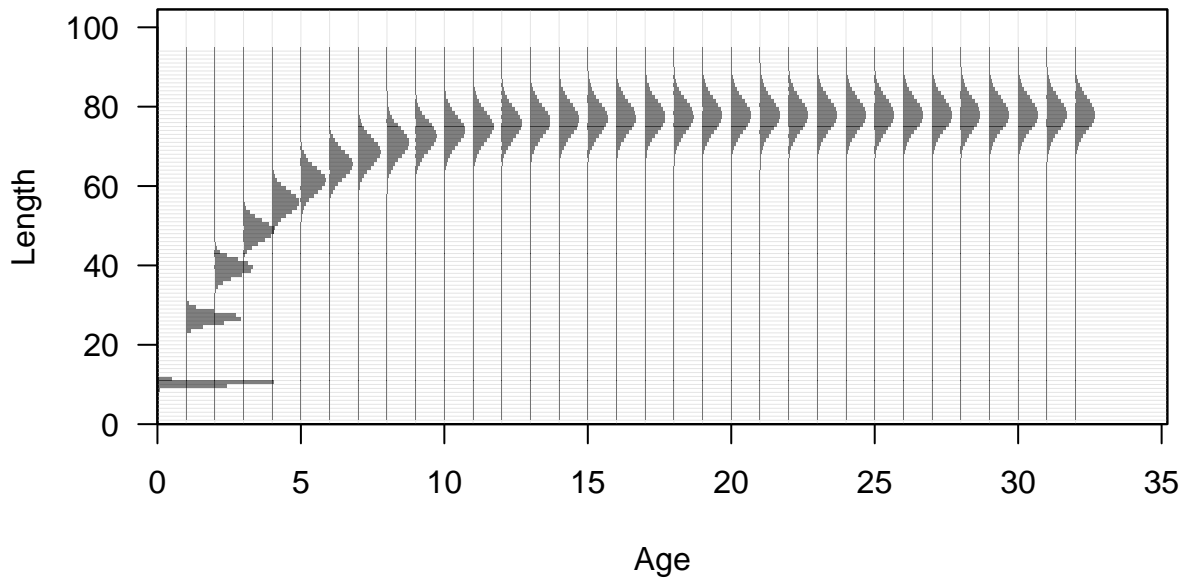


















Fecundity



Fecundity

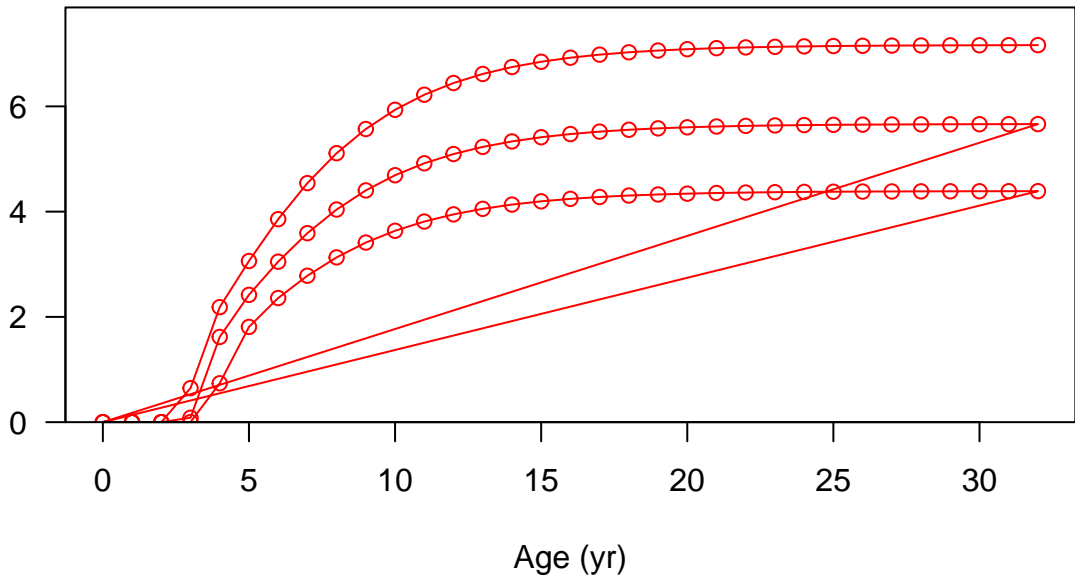


Spawning output

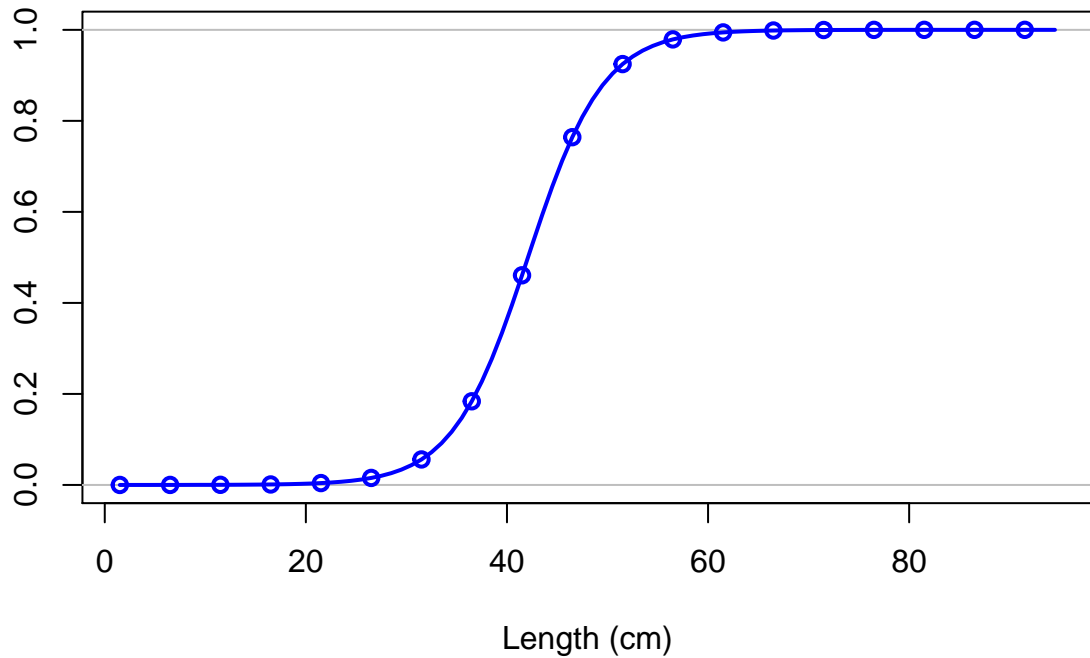




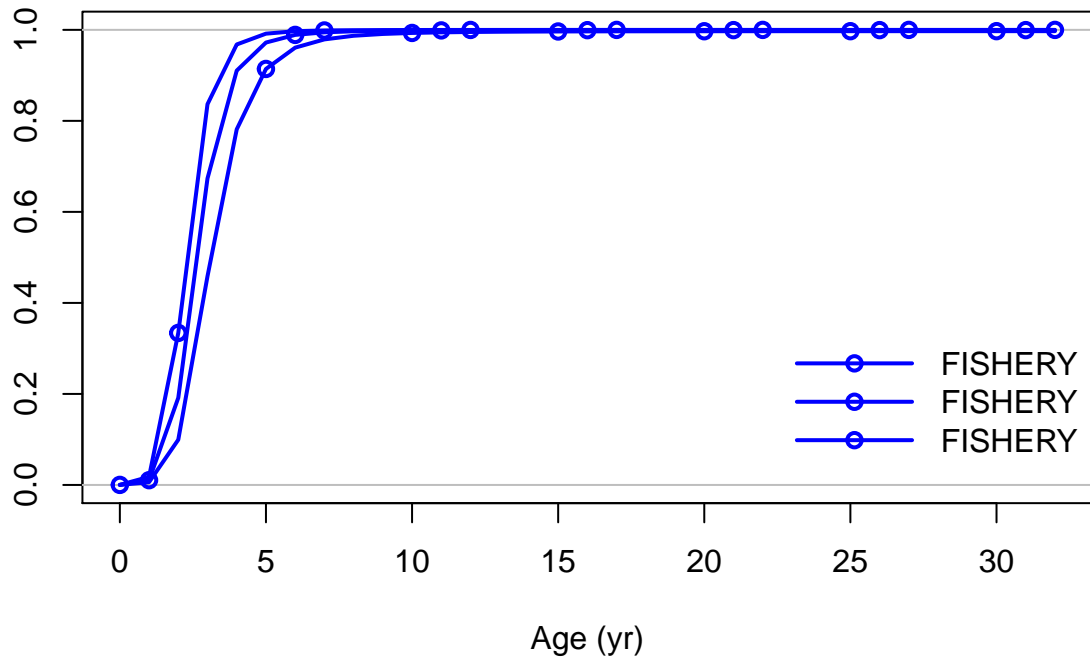
Spawning output



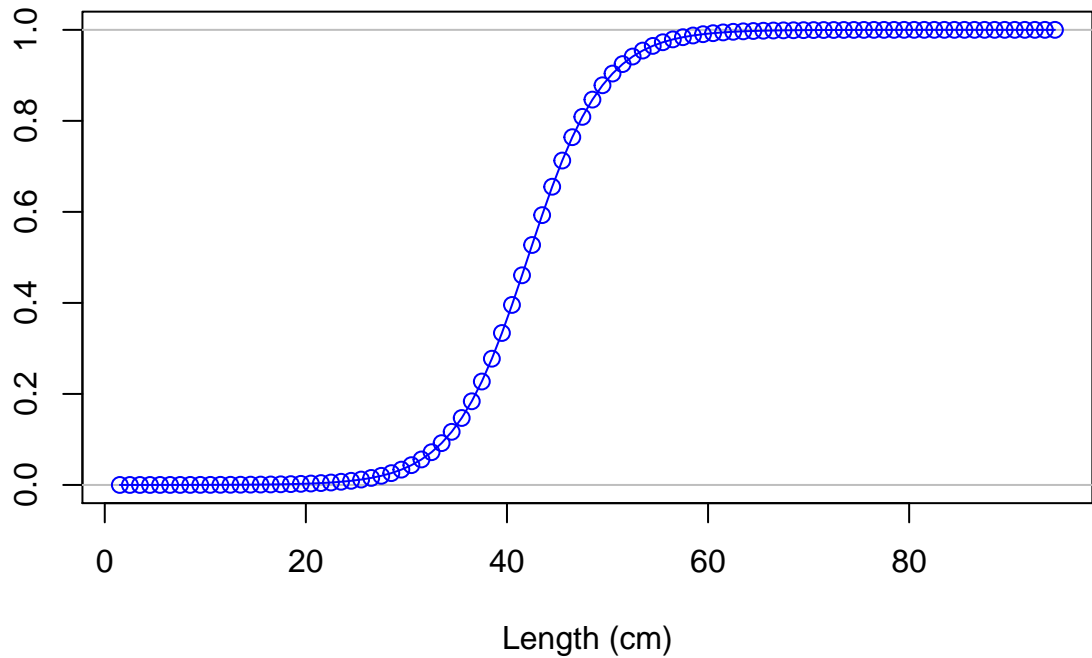
Selectivity

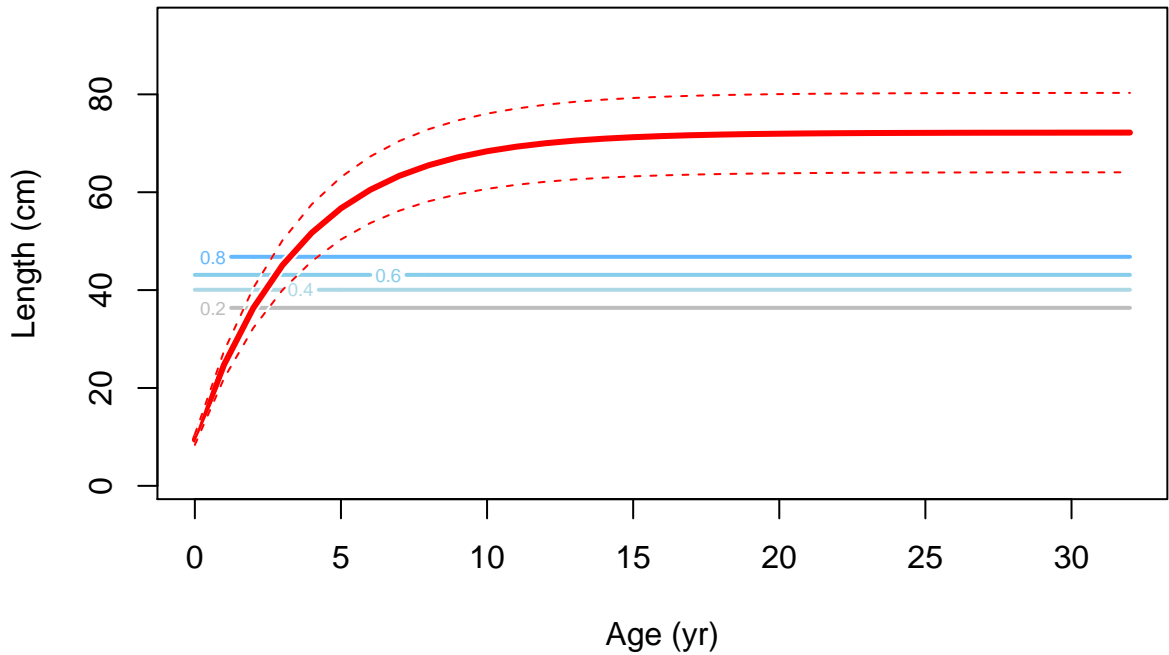


Selectivity

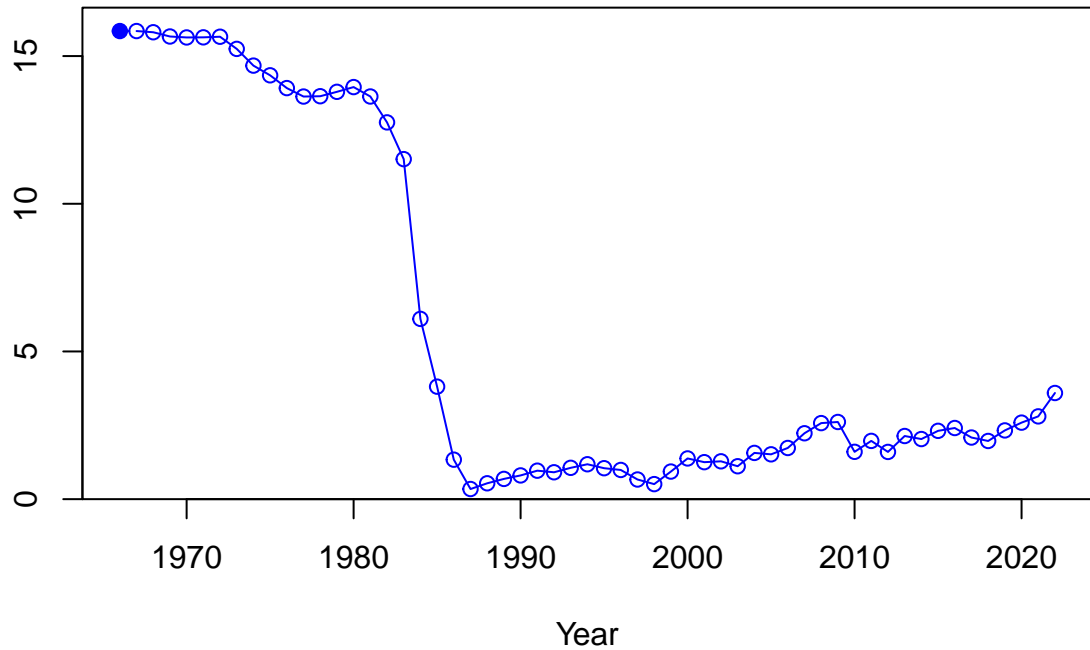


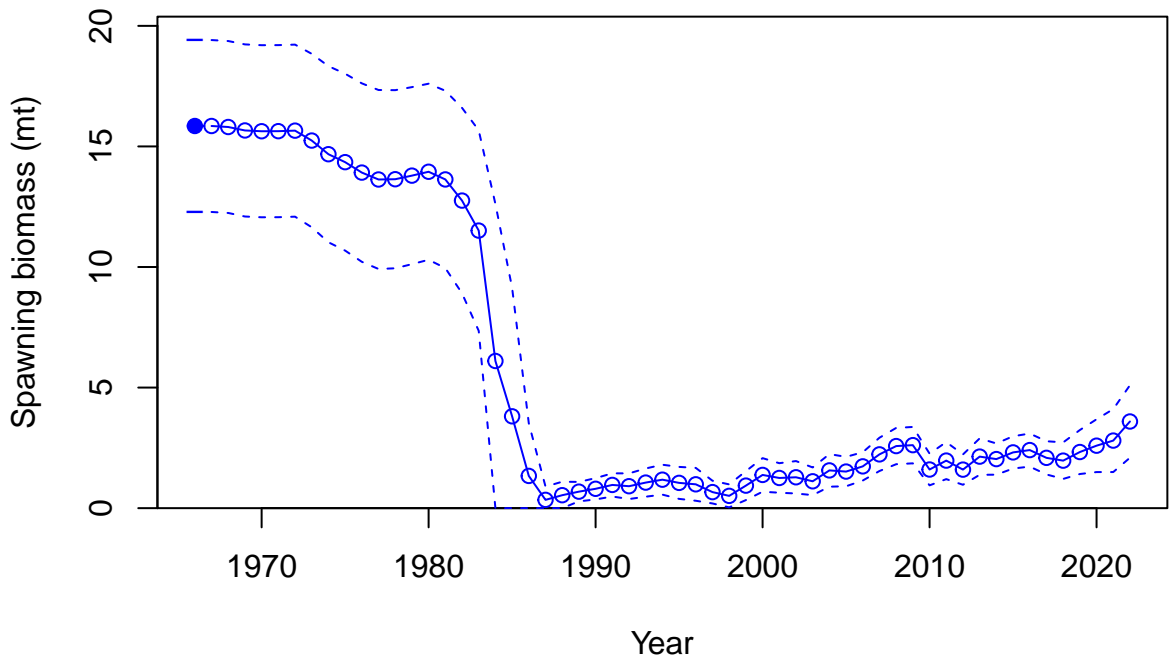
Selectivity



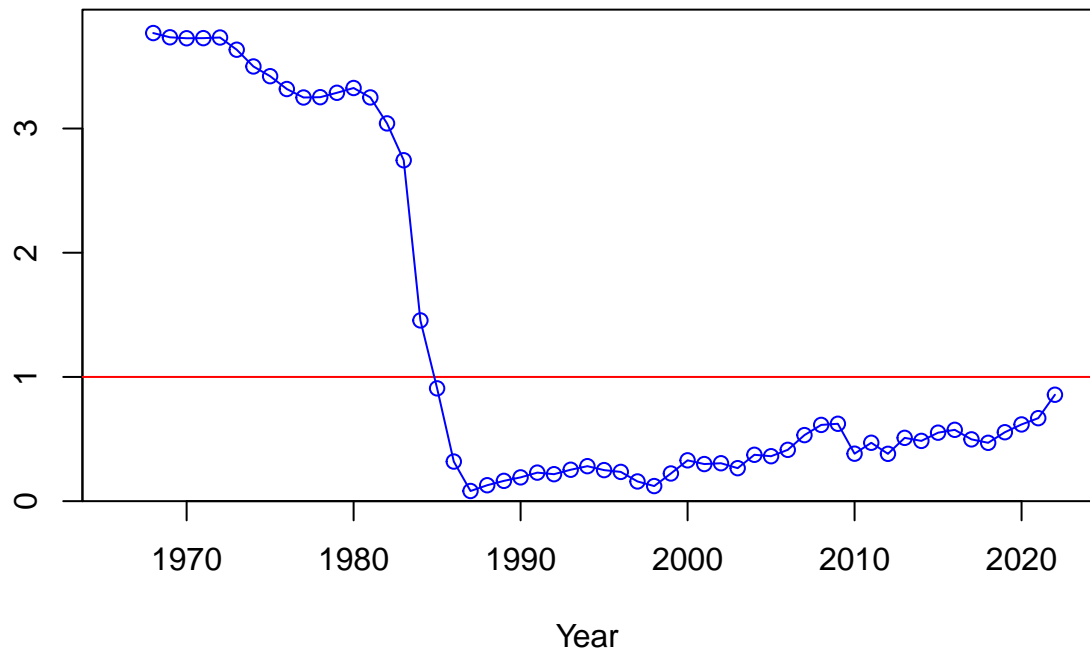


Spawning biomass (mt)



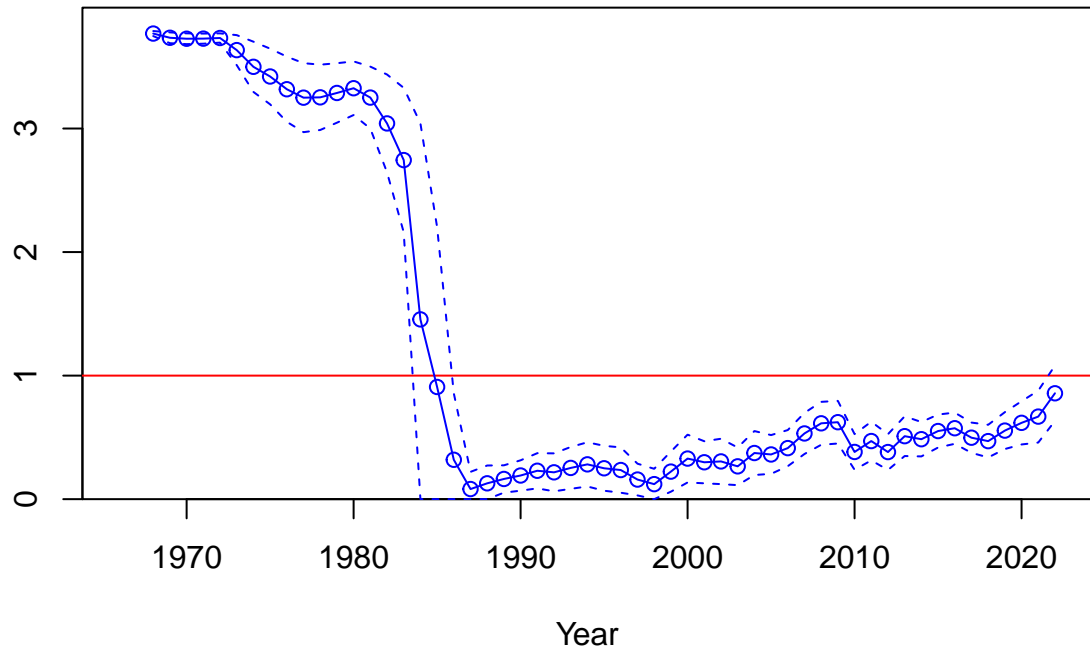


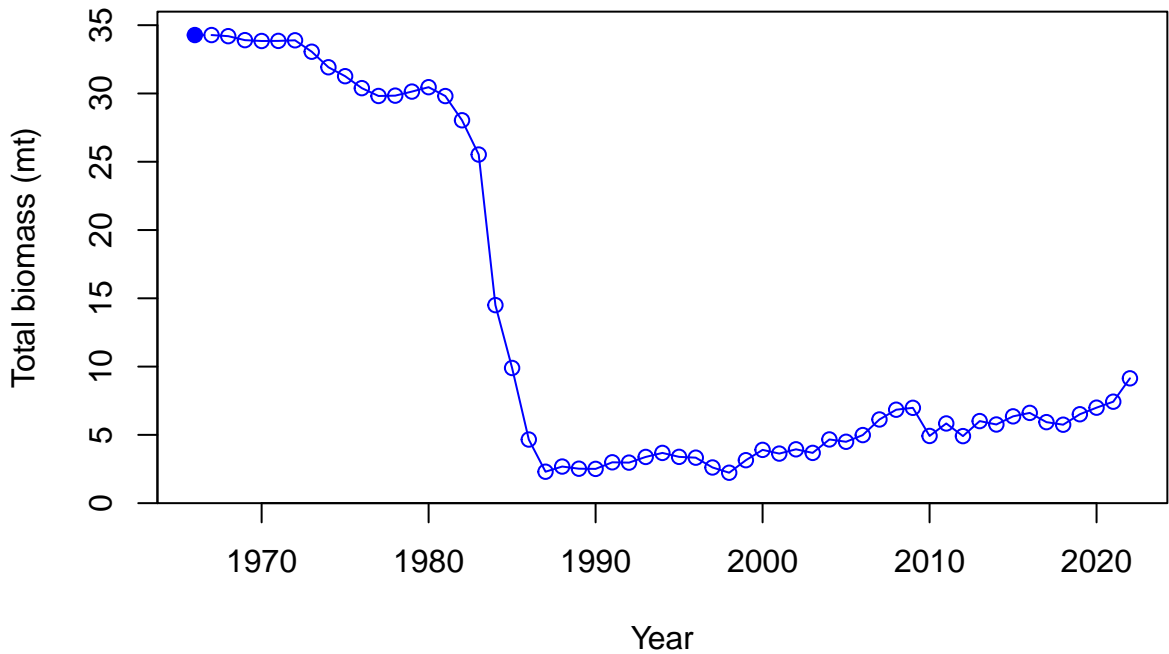
Relative spawning biomass:  $B/B_{MSY}$

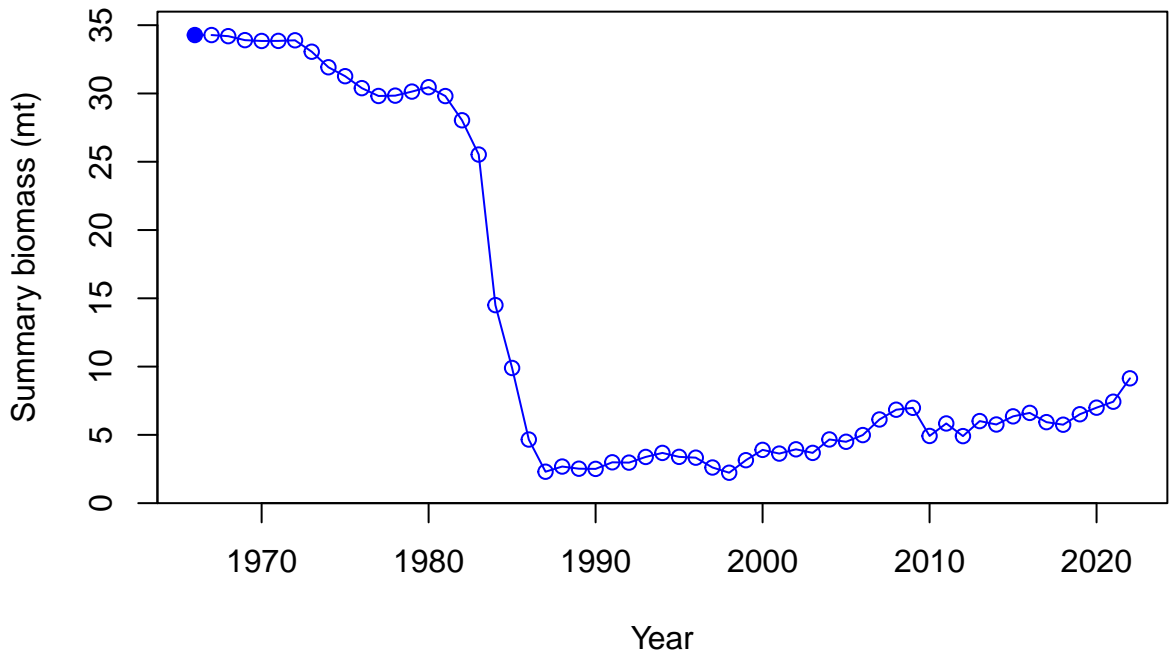




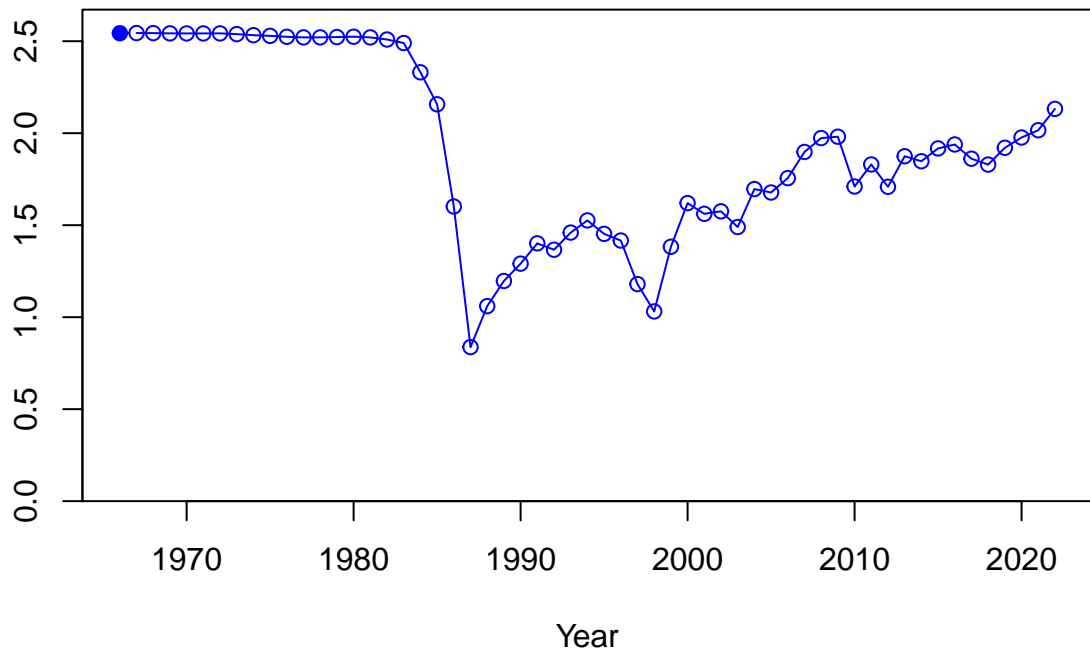
Relative spawning biomass:  $B/B_{MSY}$



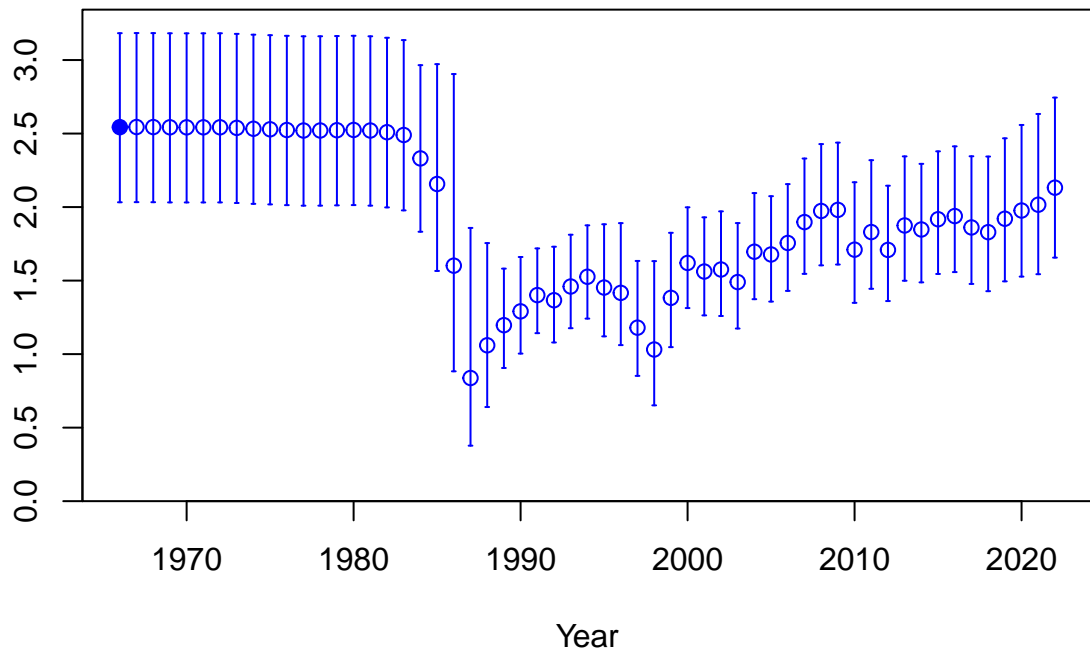




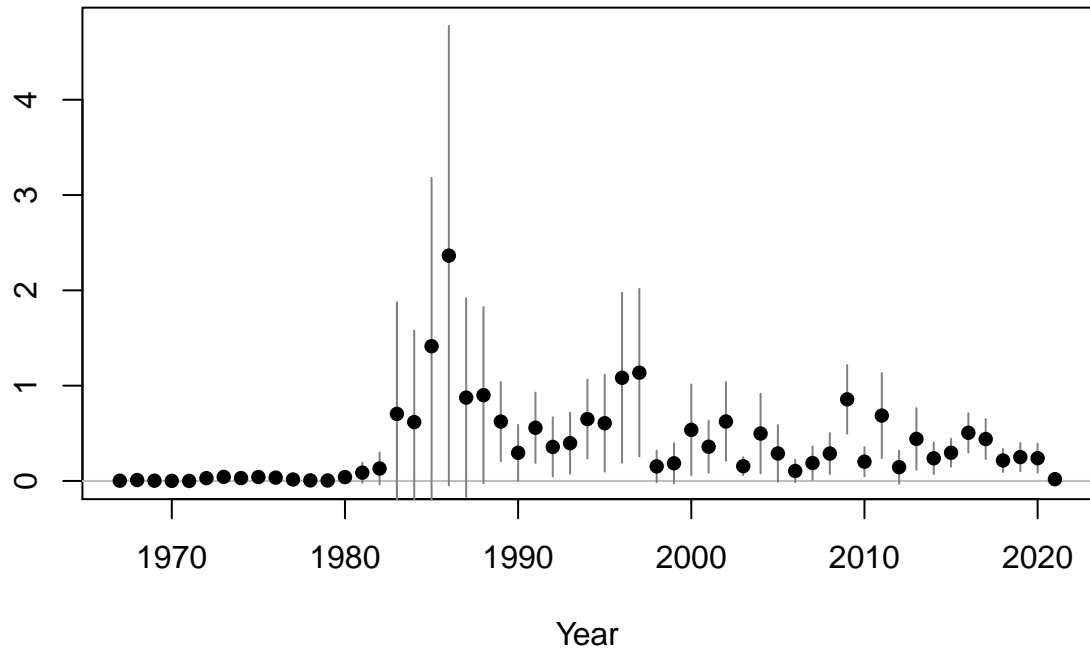
Age-0 recruits (1,000s)

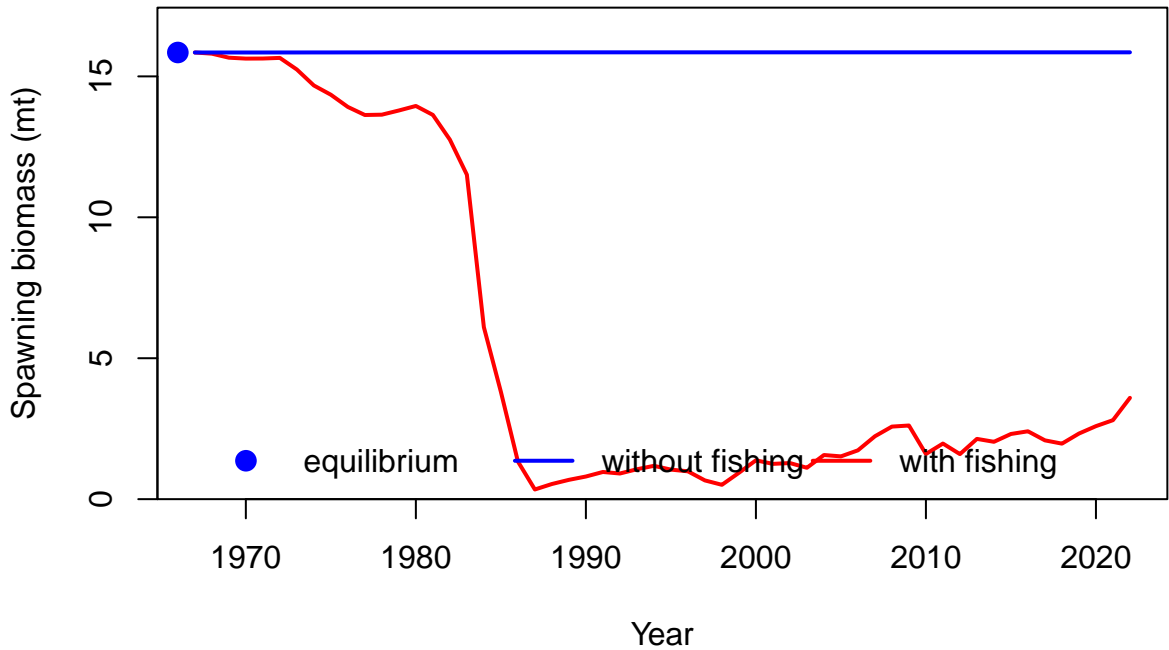


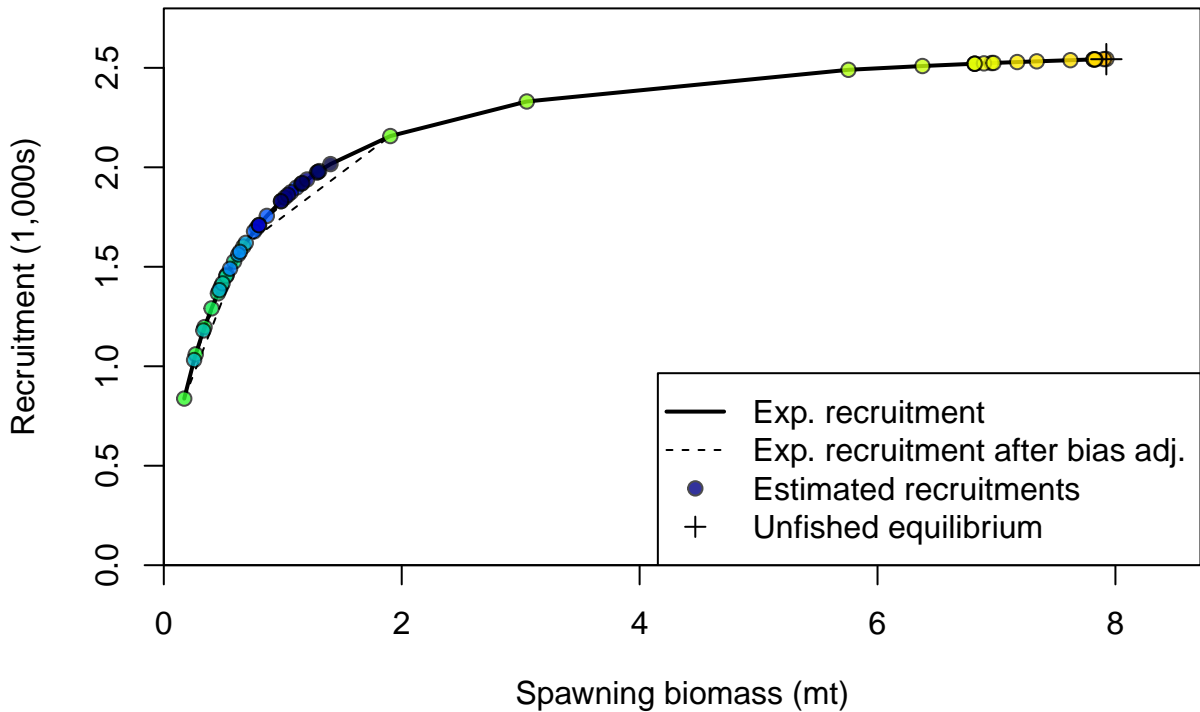
Age-0 recruits (1,000s)



Summary Fishing Mortality

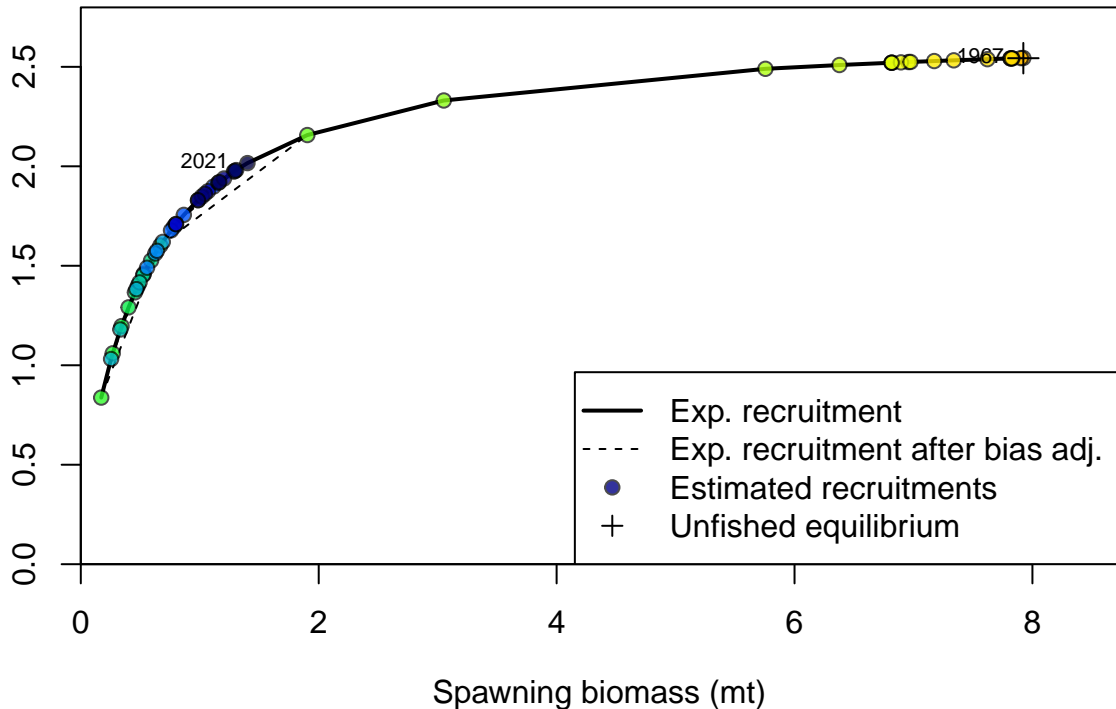


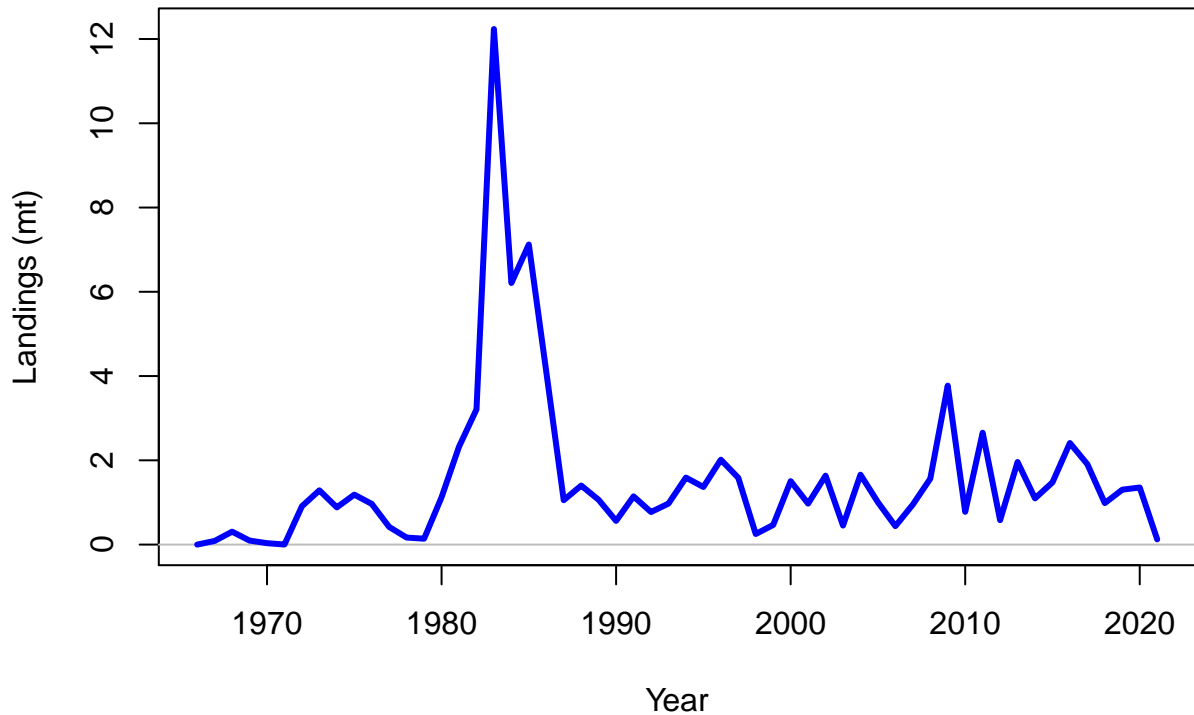




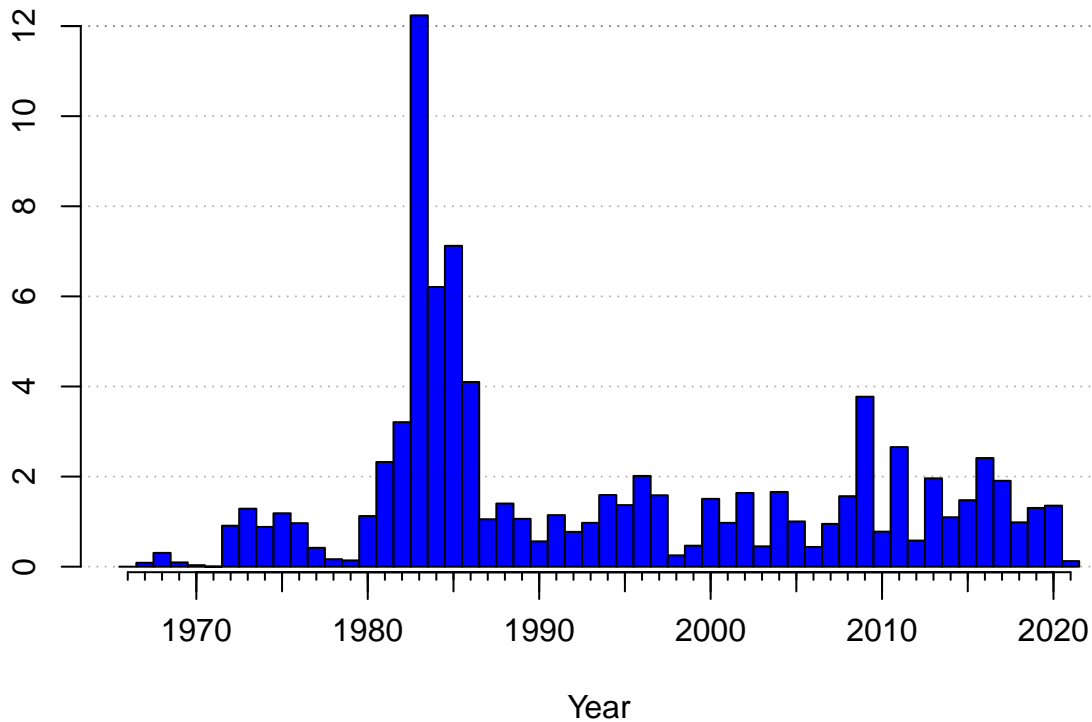


Recruitment (1,000s)

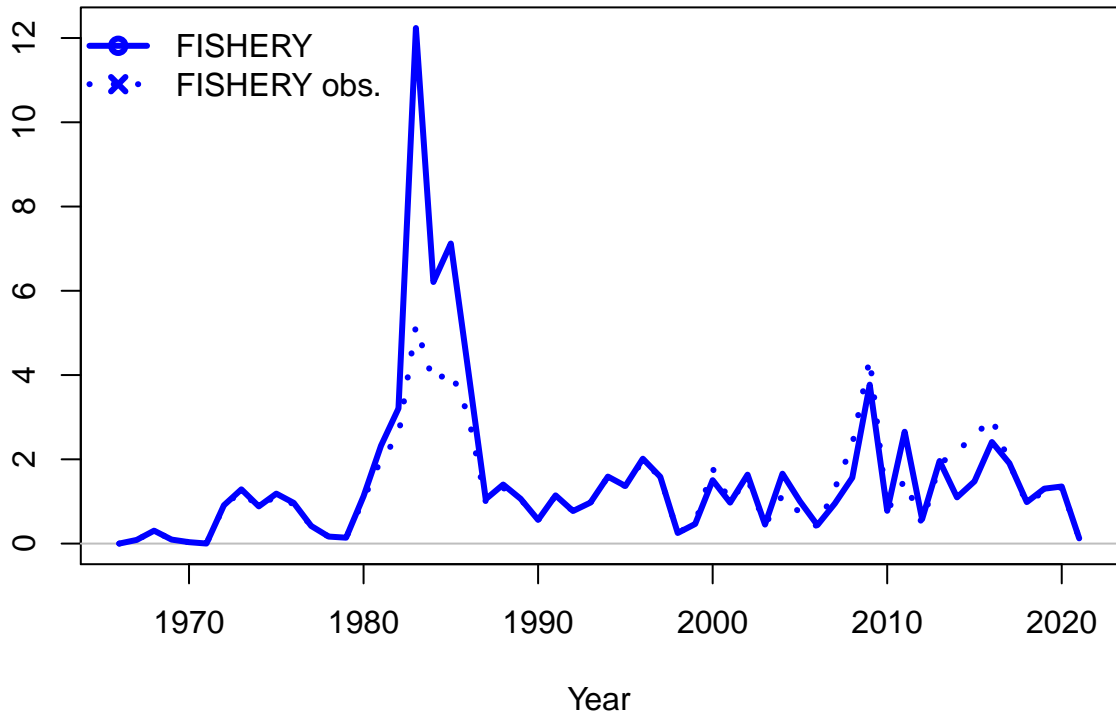


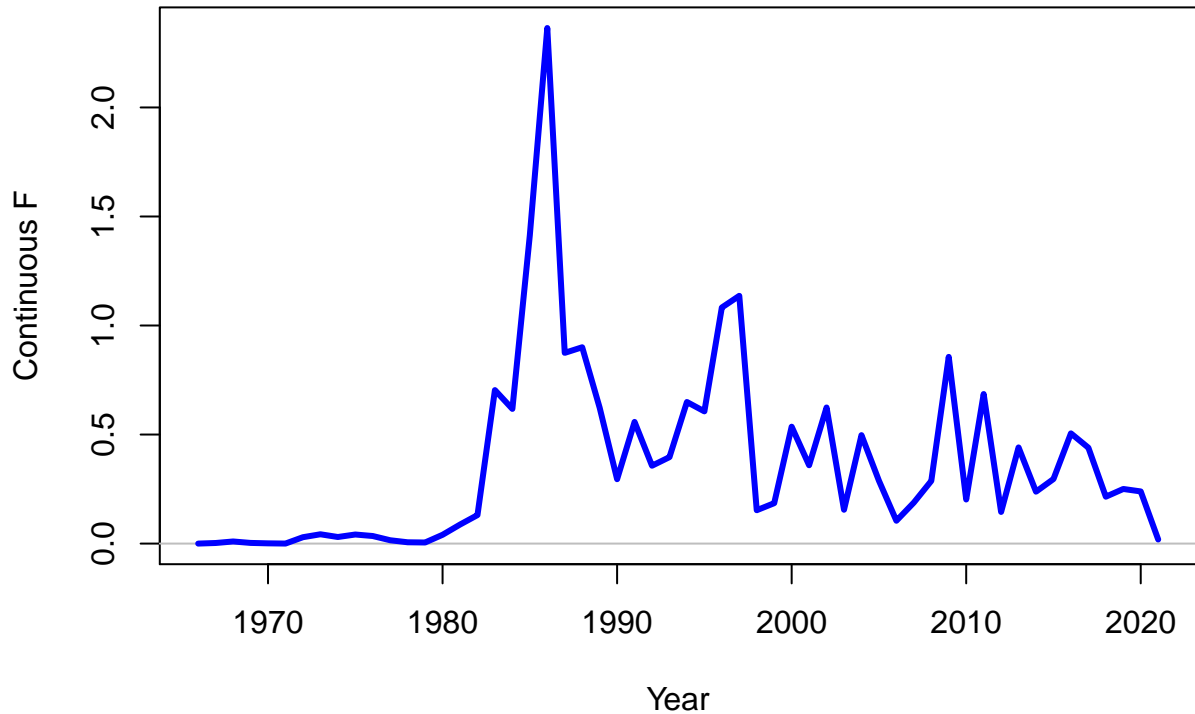


Landings (mt)

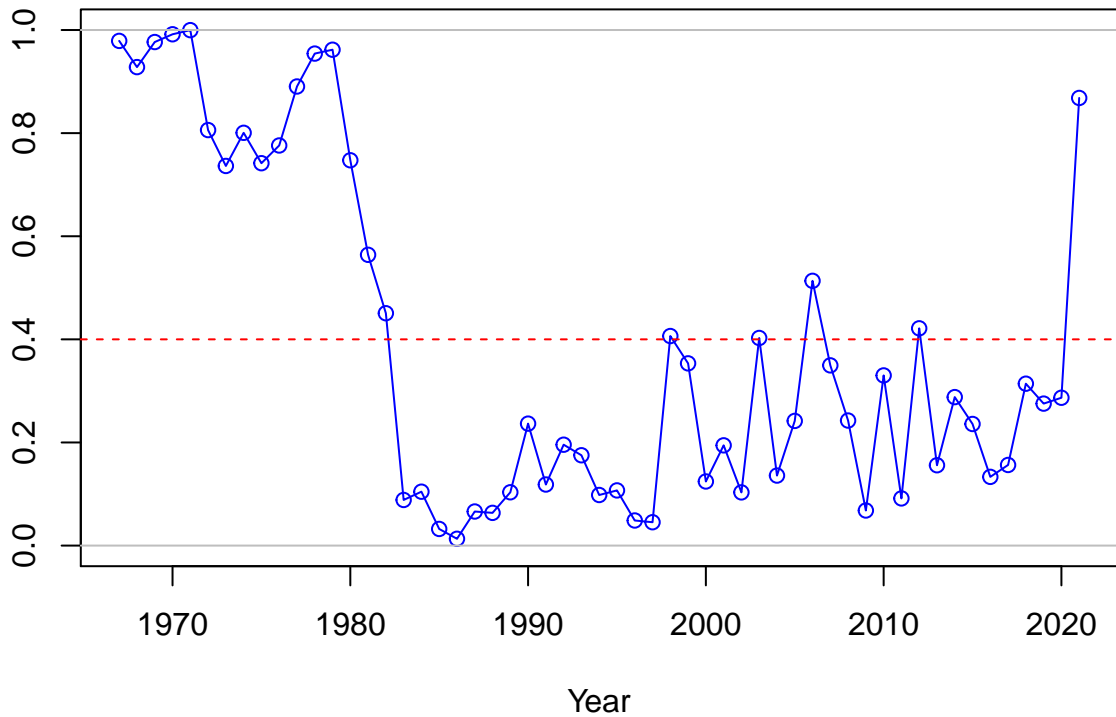


Observed and expected Landings (mt)

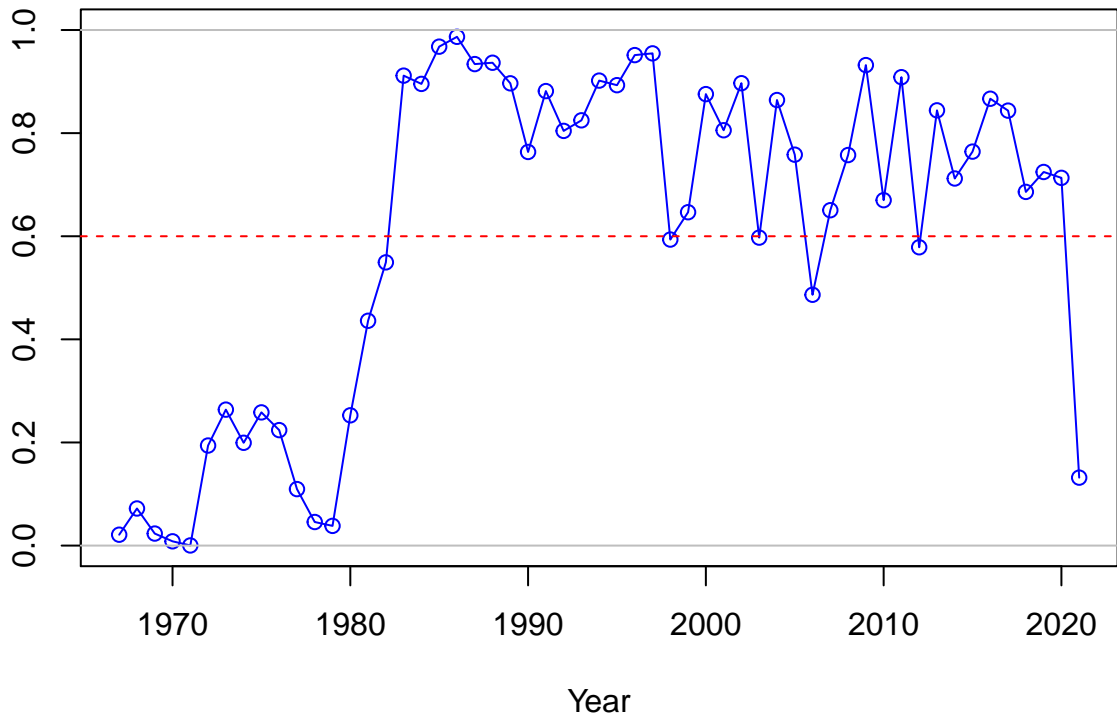




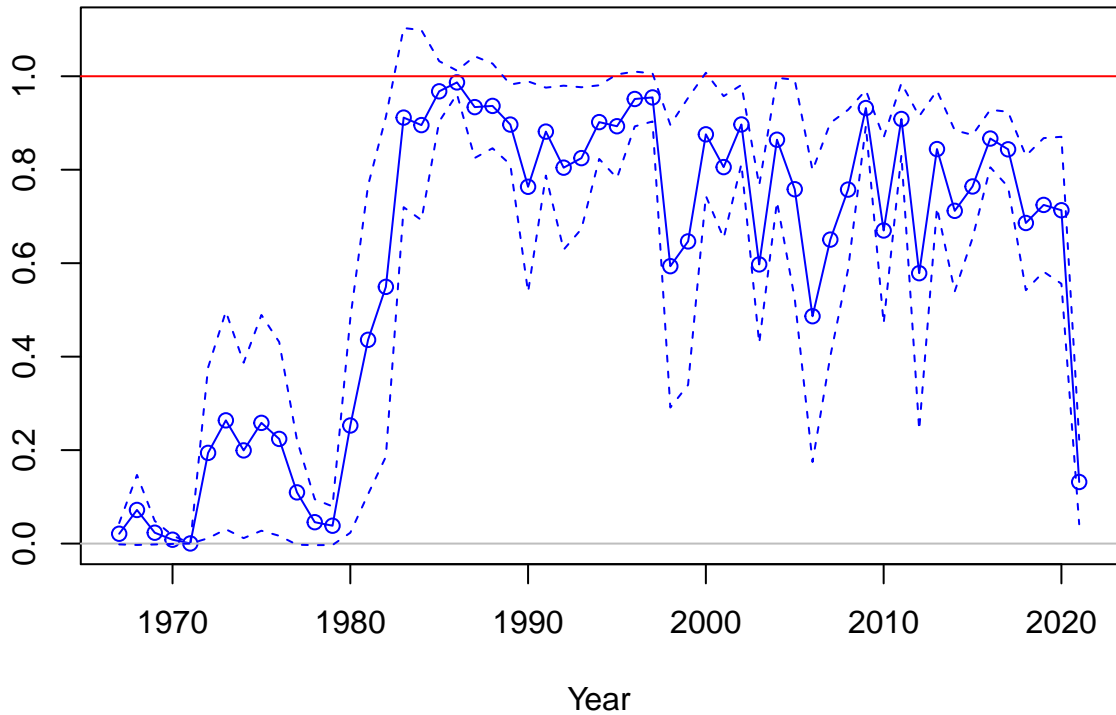
SPR



1-SPR

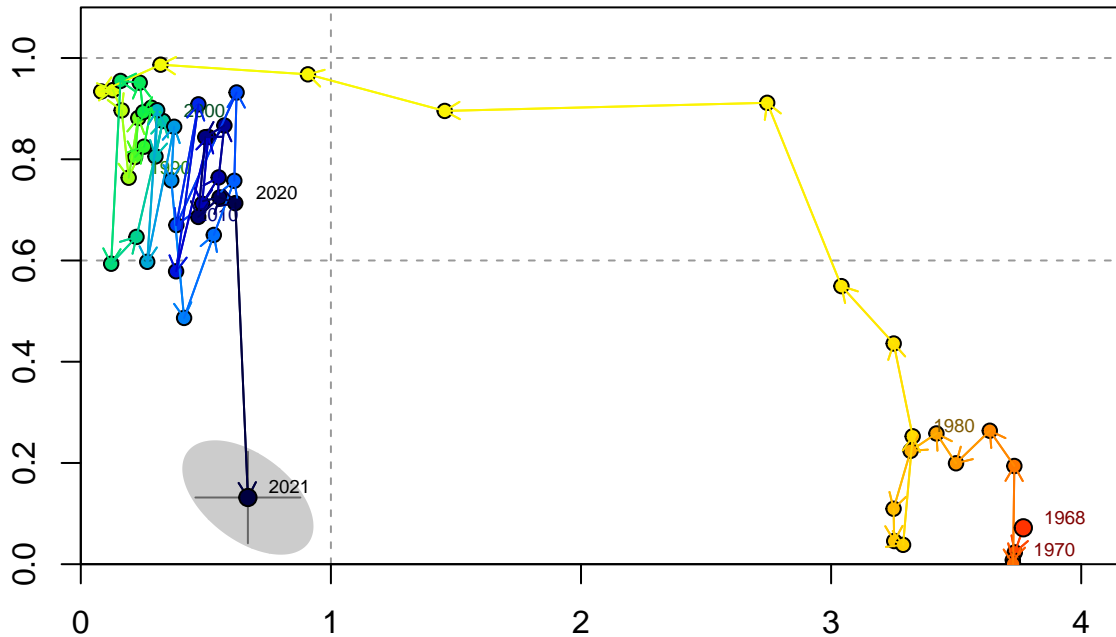


Fishing intensity: 1-SPR



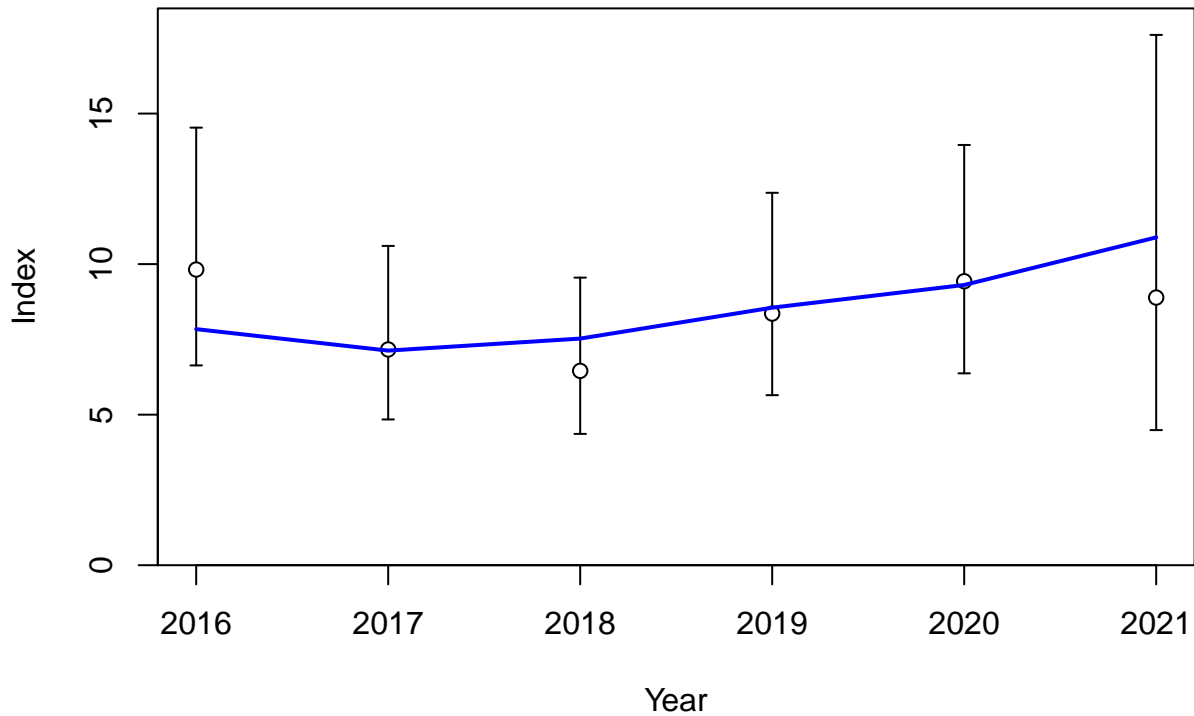


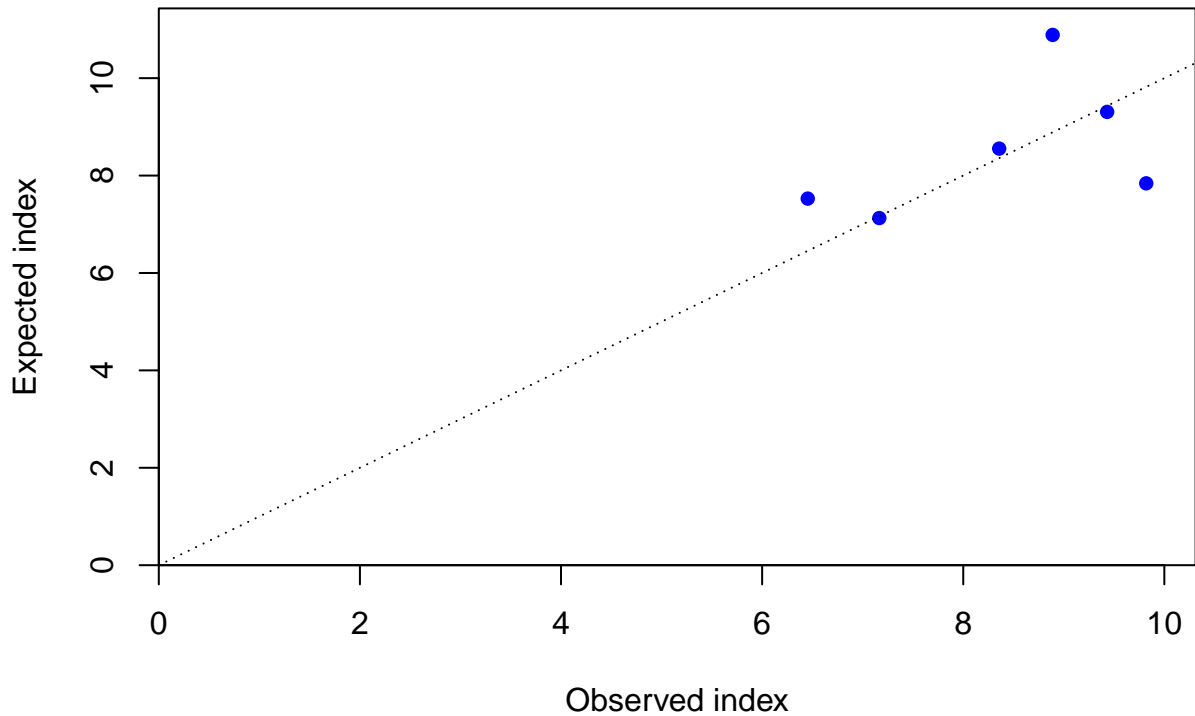
Fishing intensity: 1-SPR

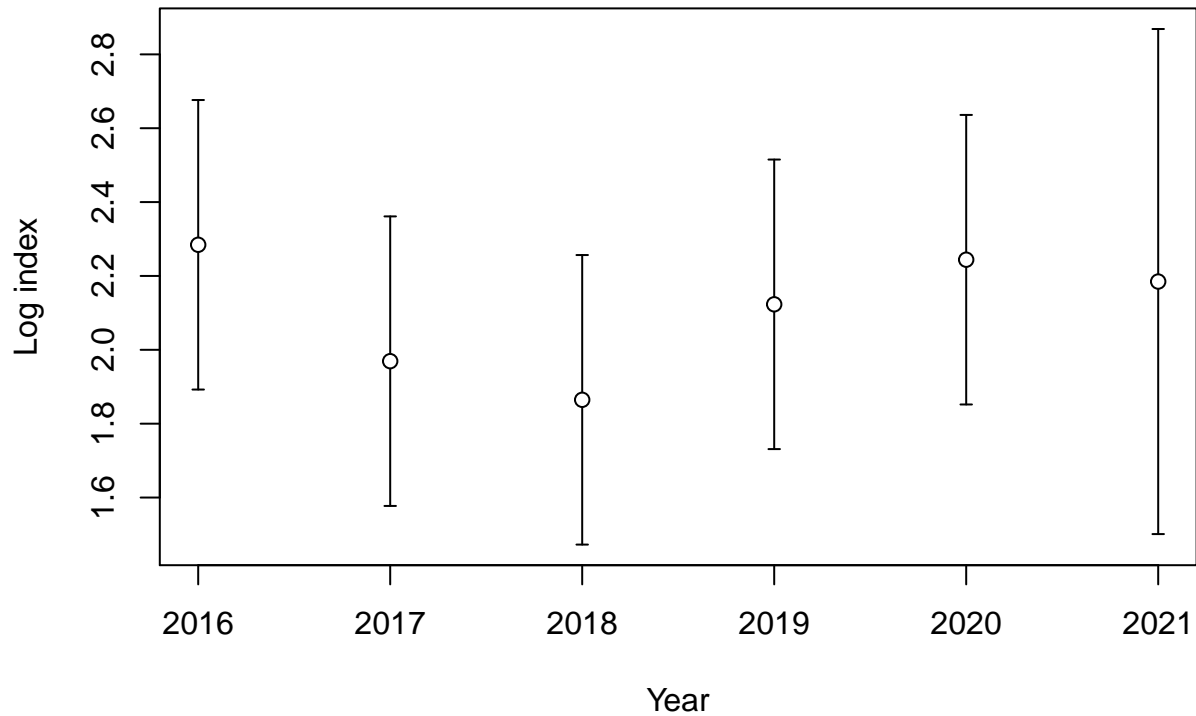


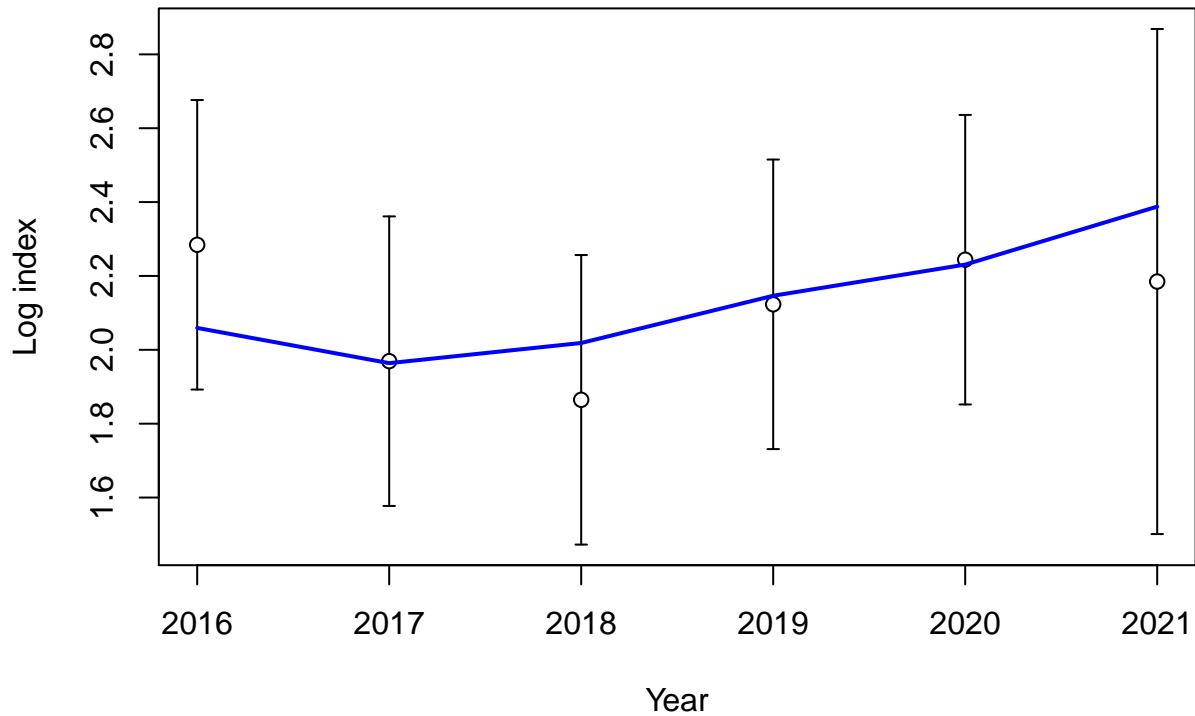
Relative spawning output: B/B<sub>MSY</sub>

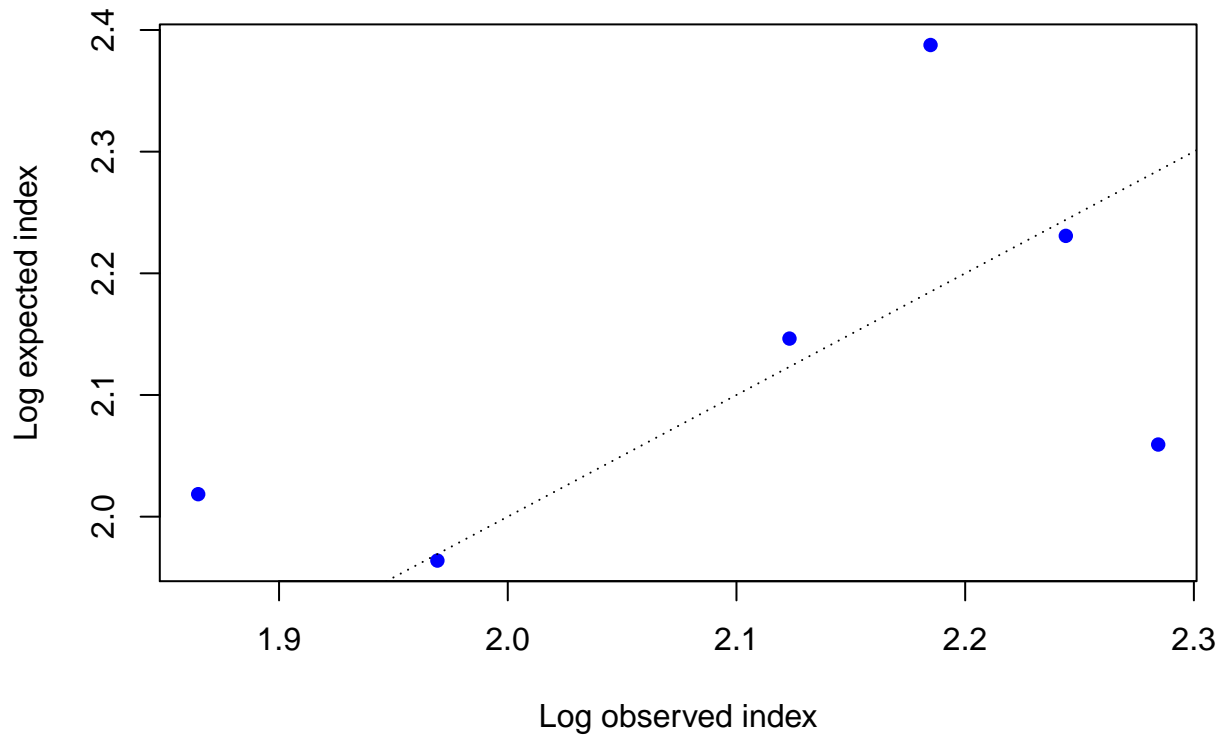


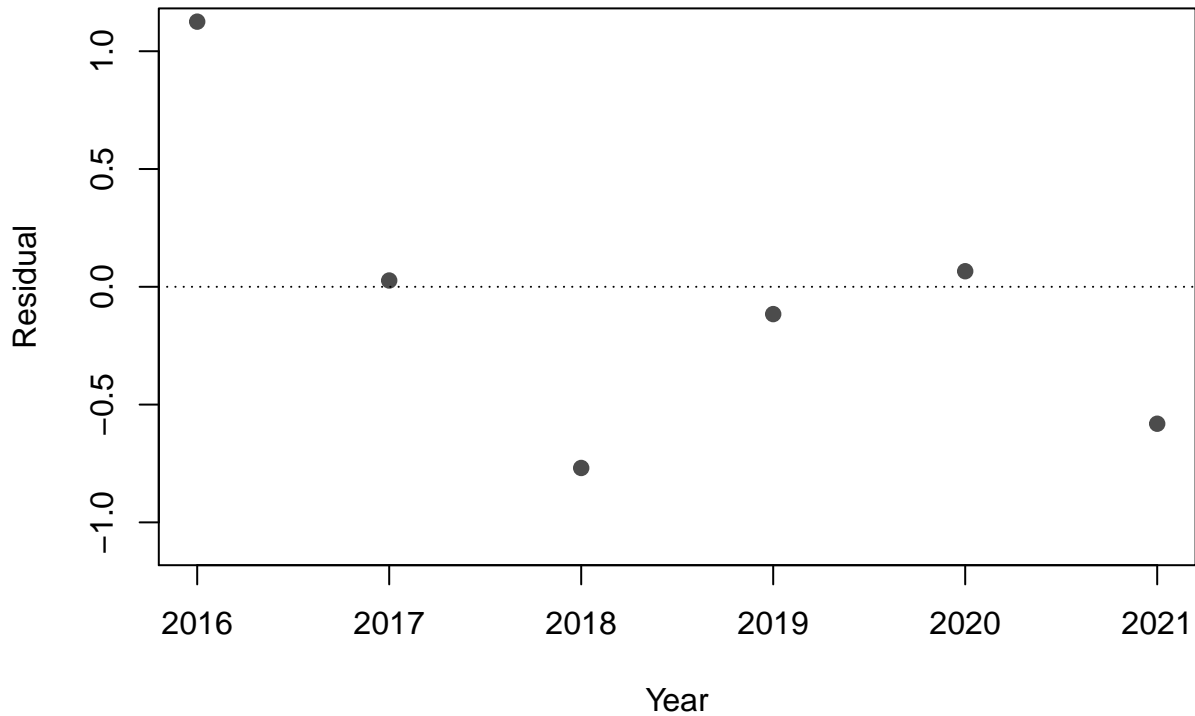




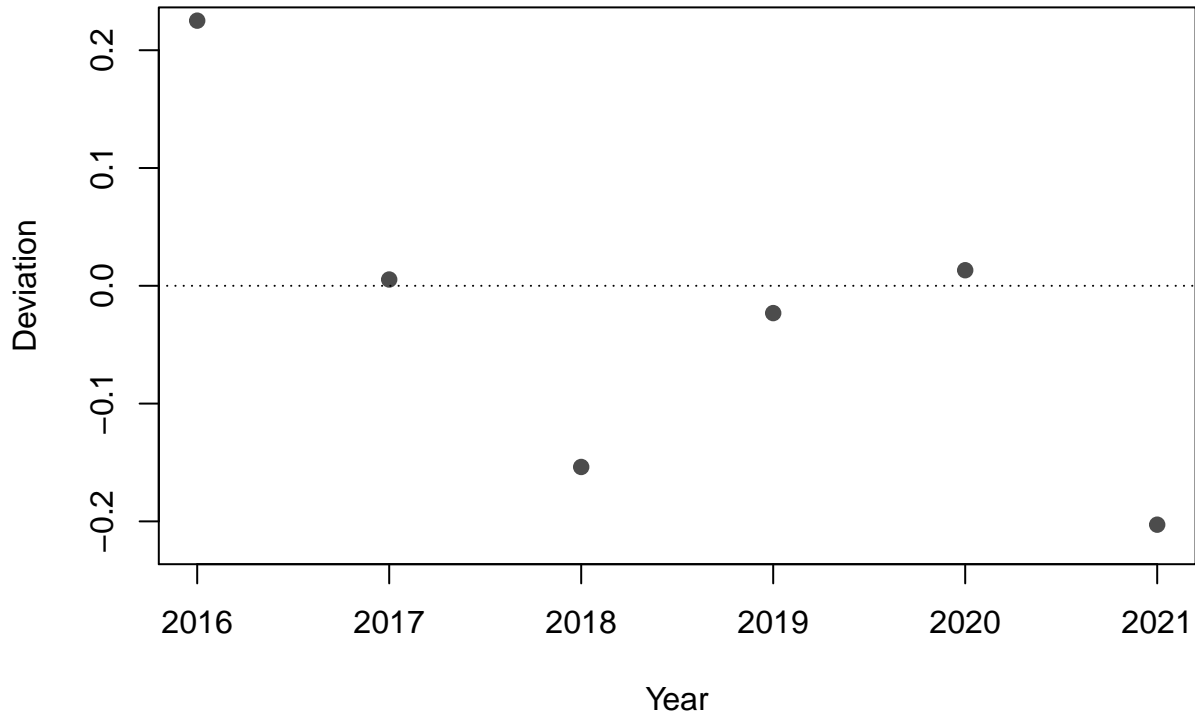




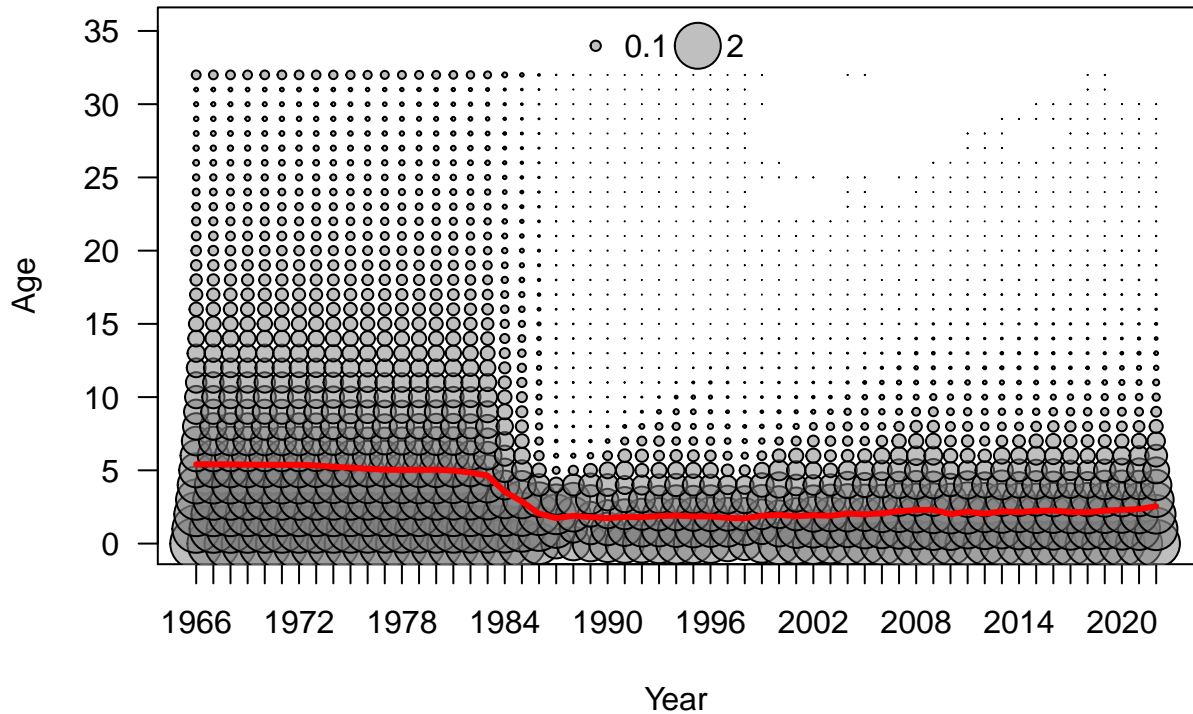


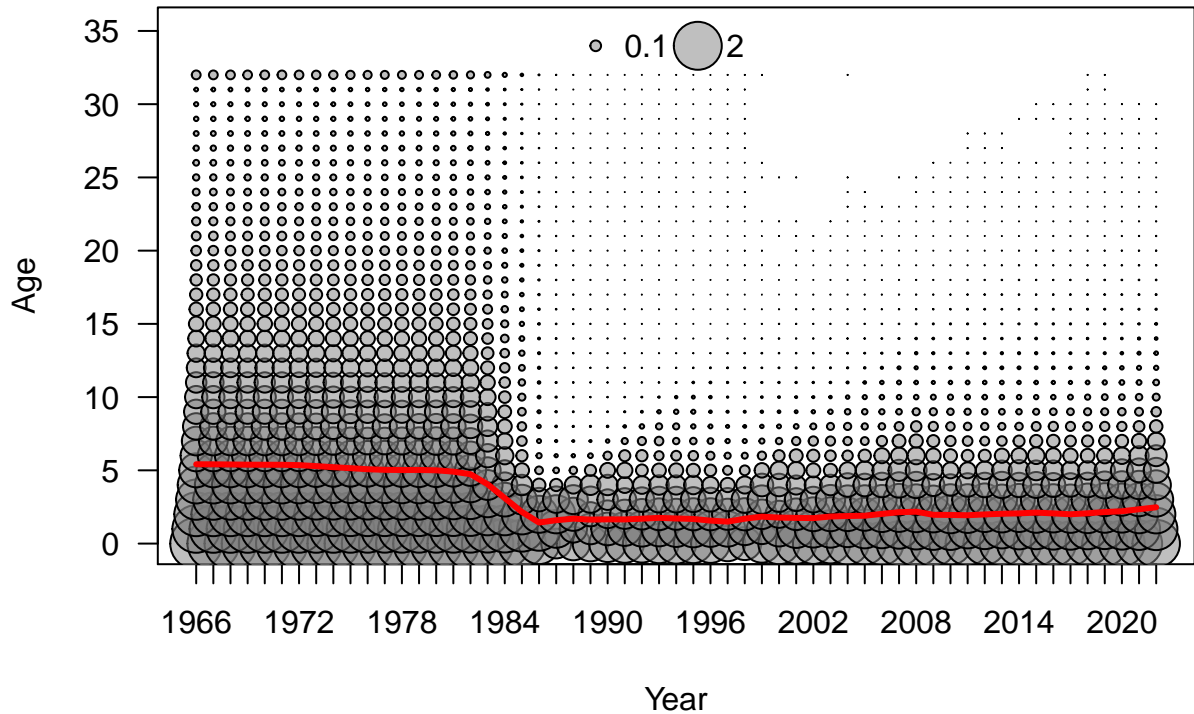


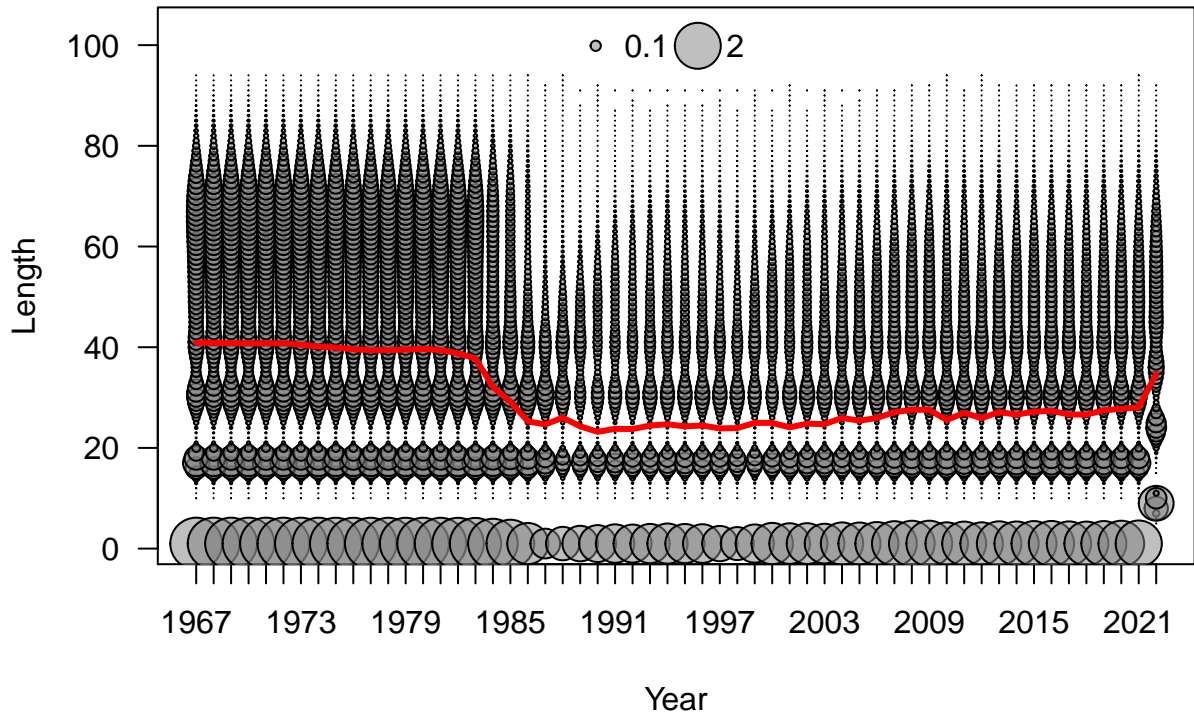


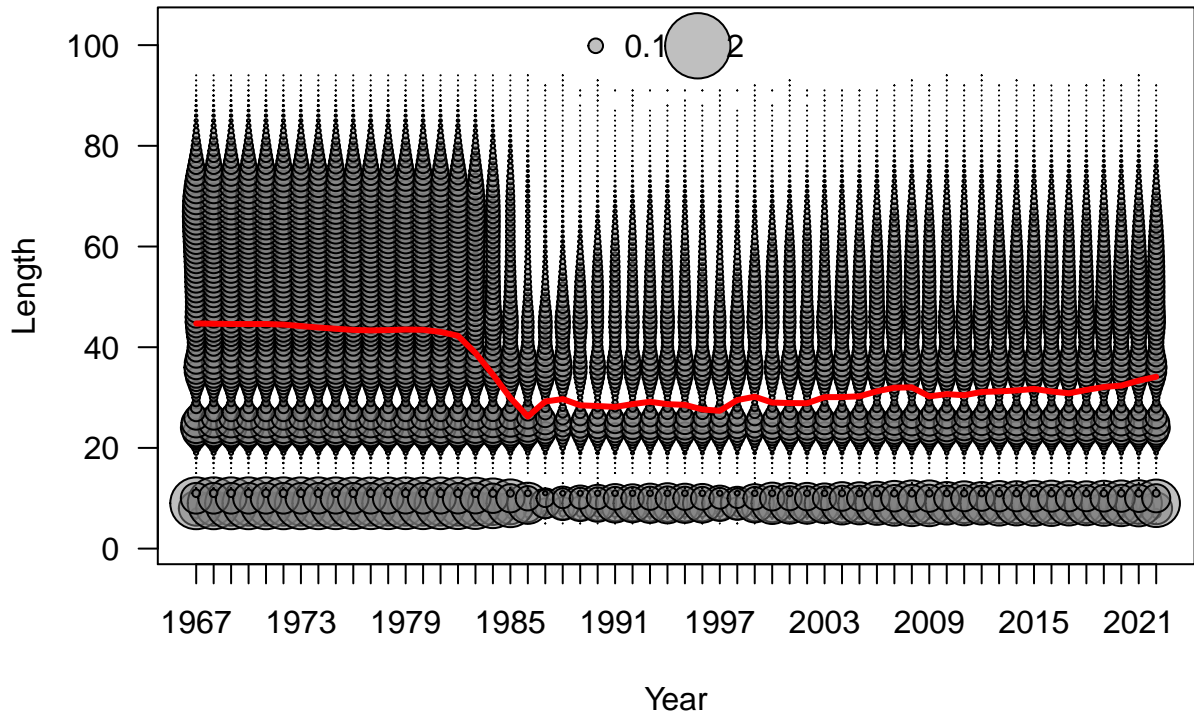


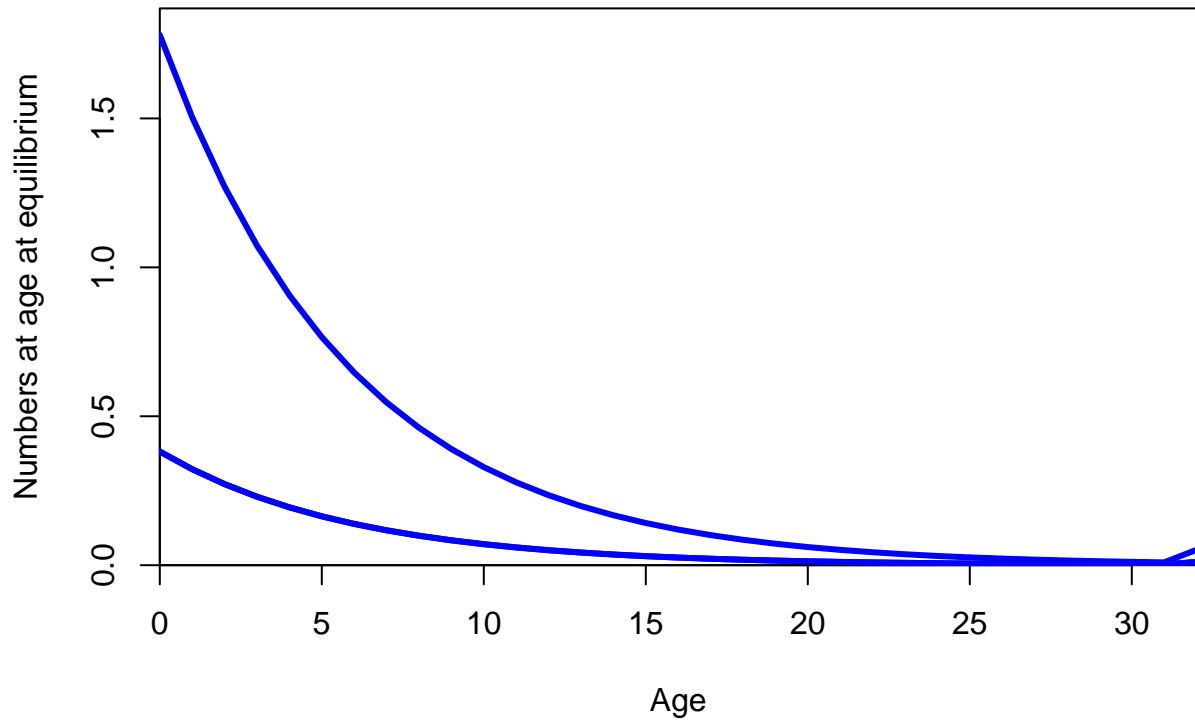


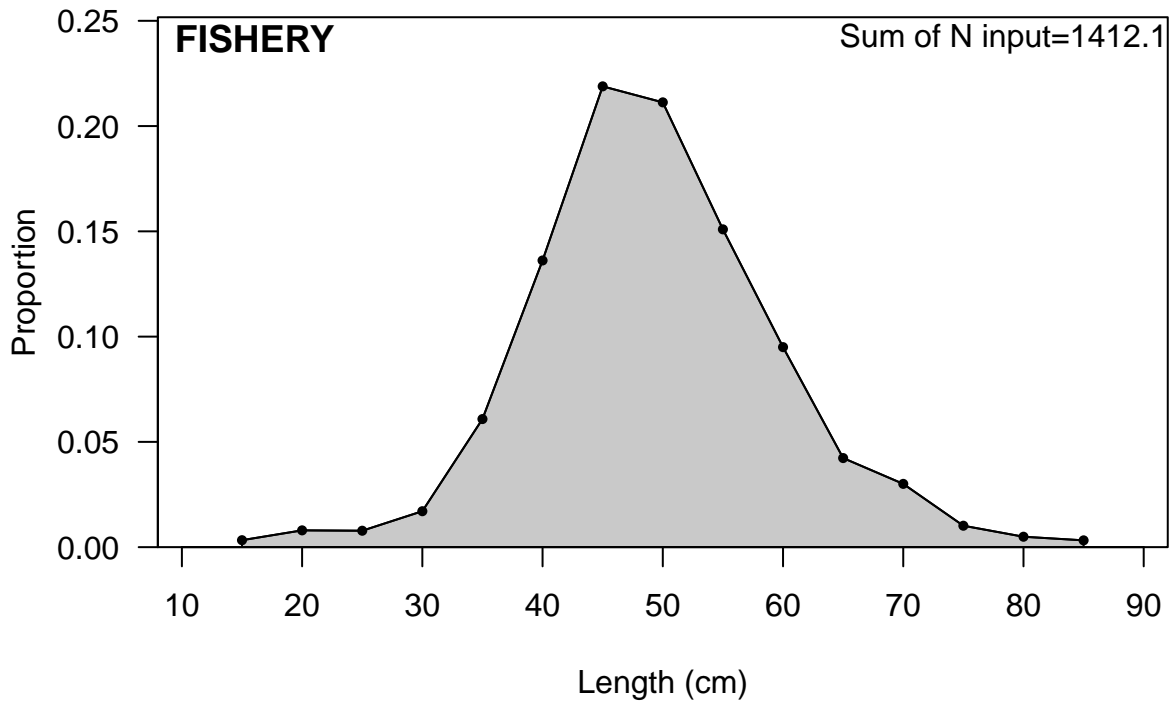




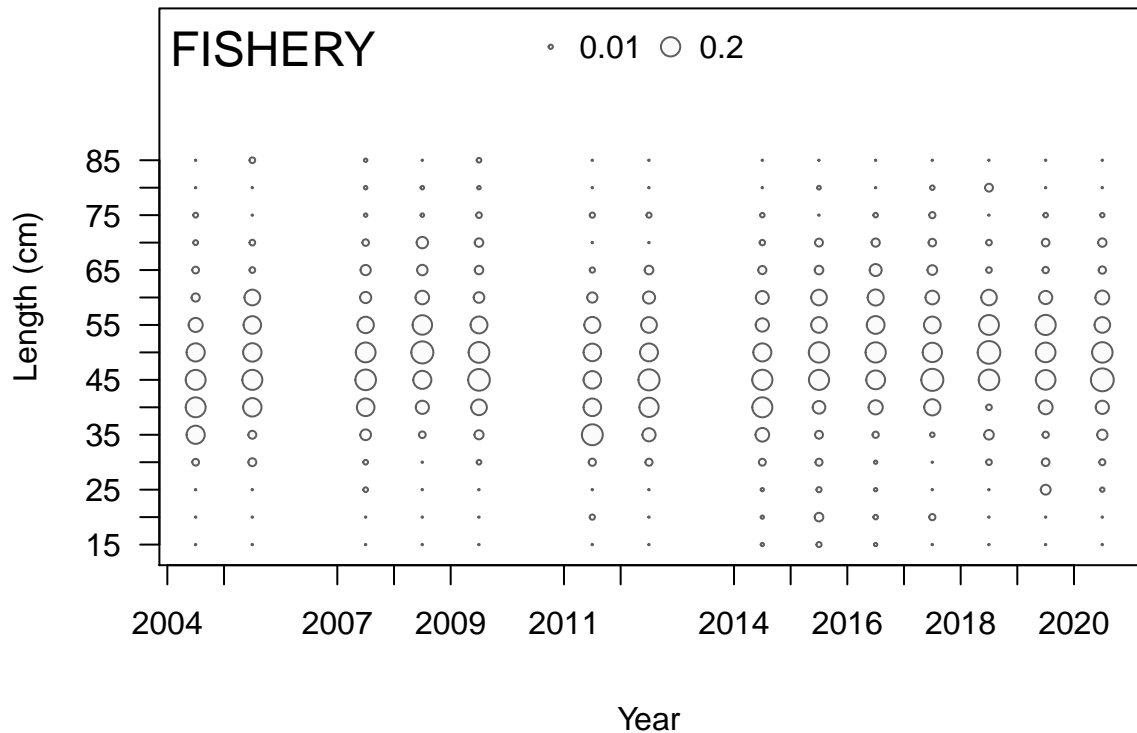




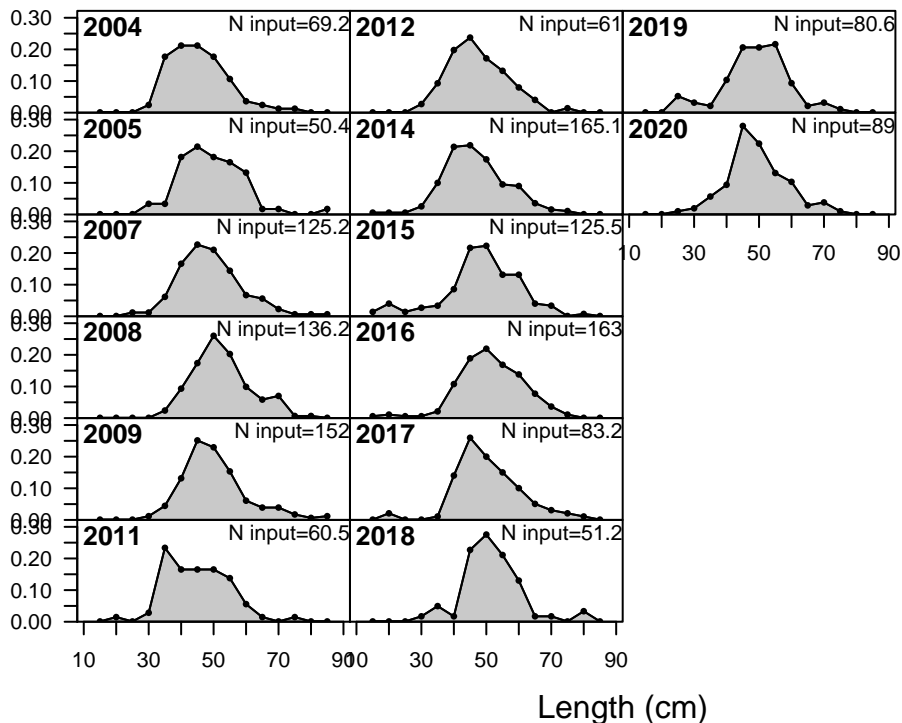


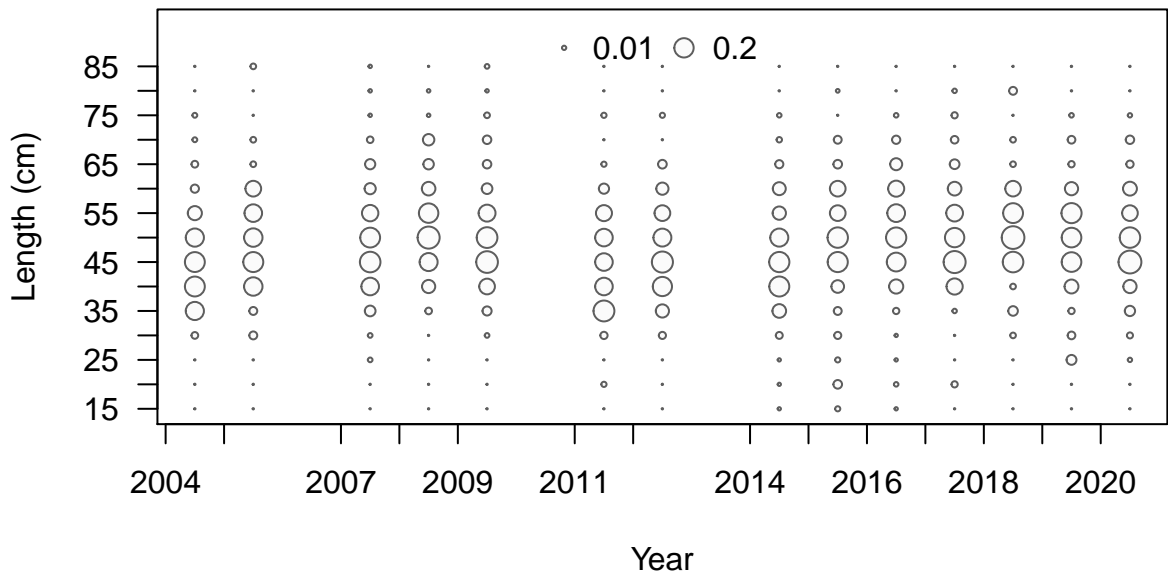




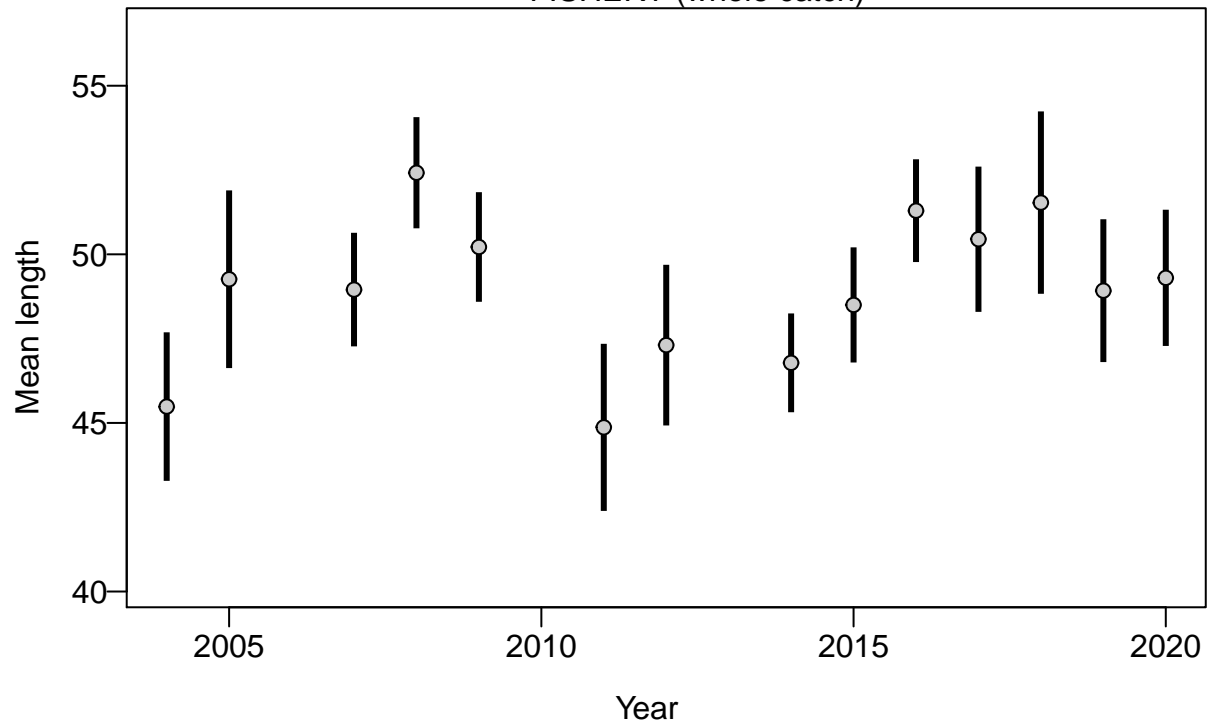


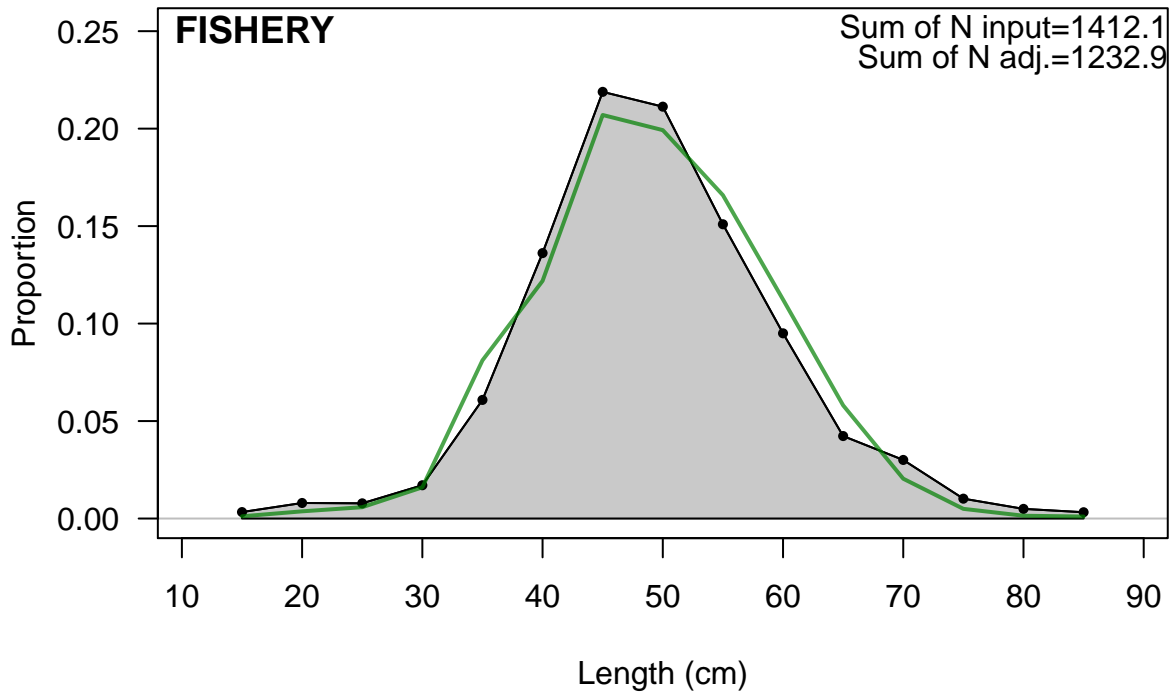
Proportion

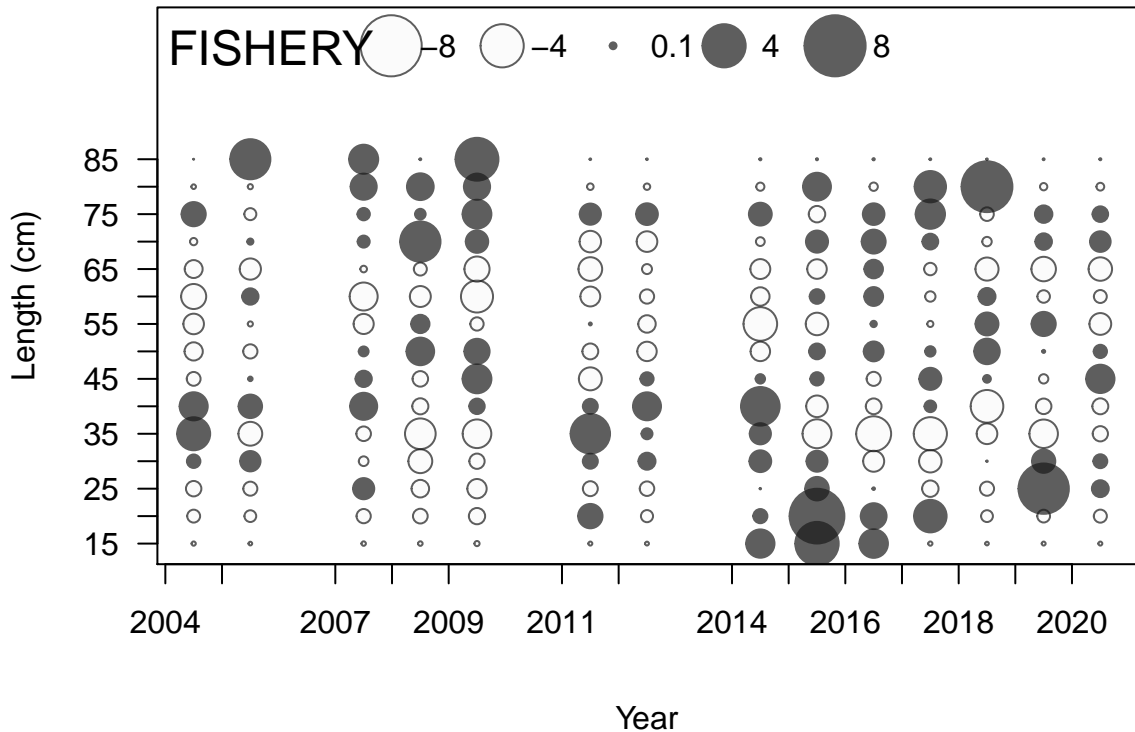


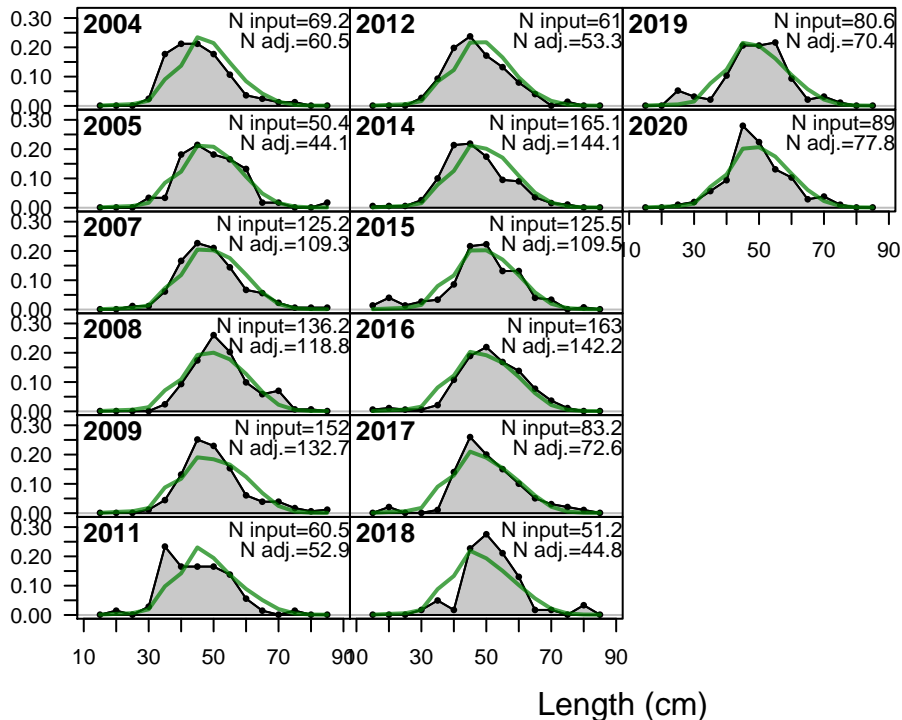


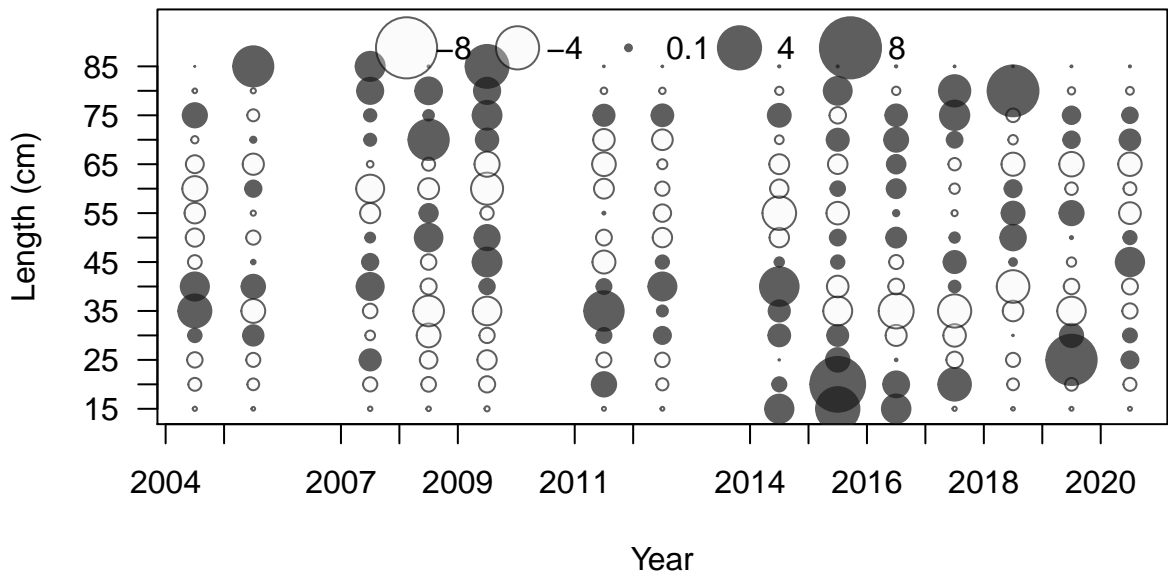
# FISHERY (whole catch)





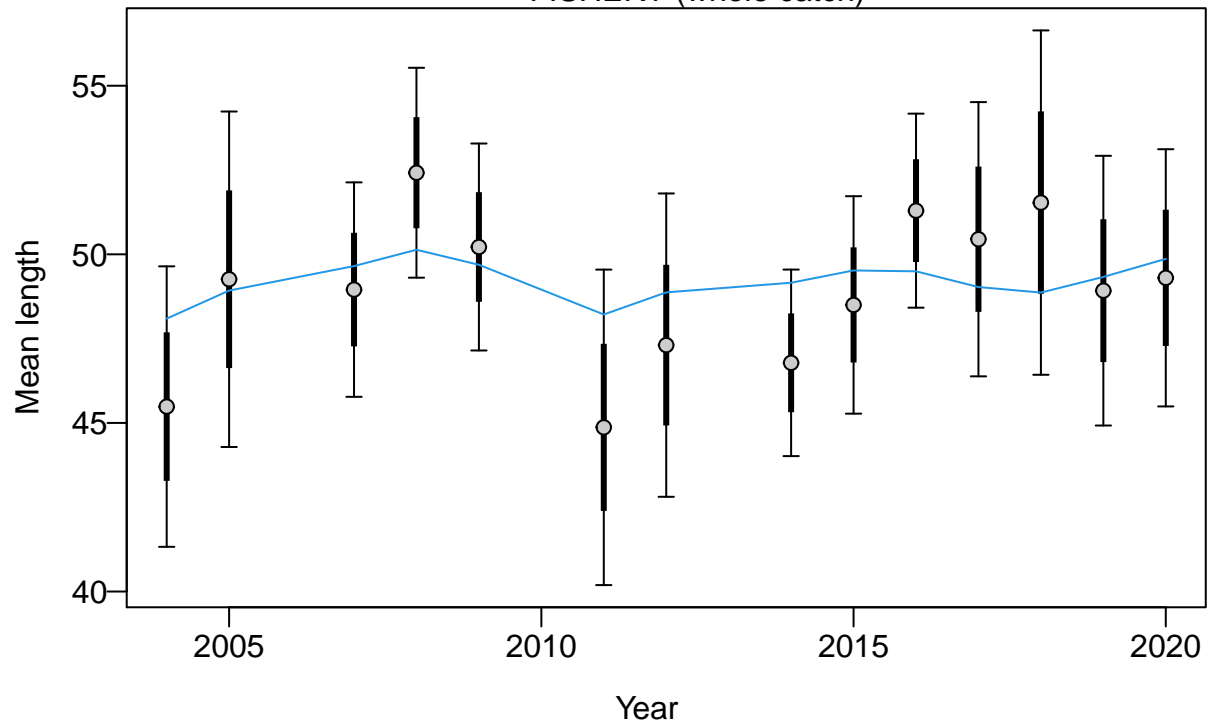


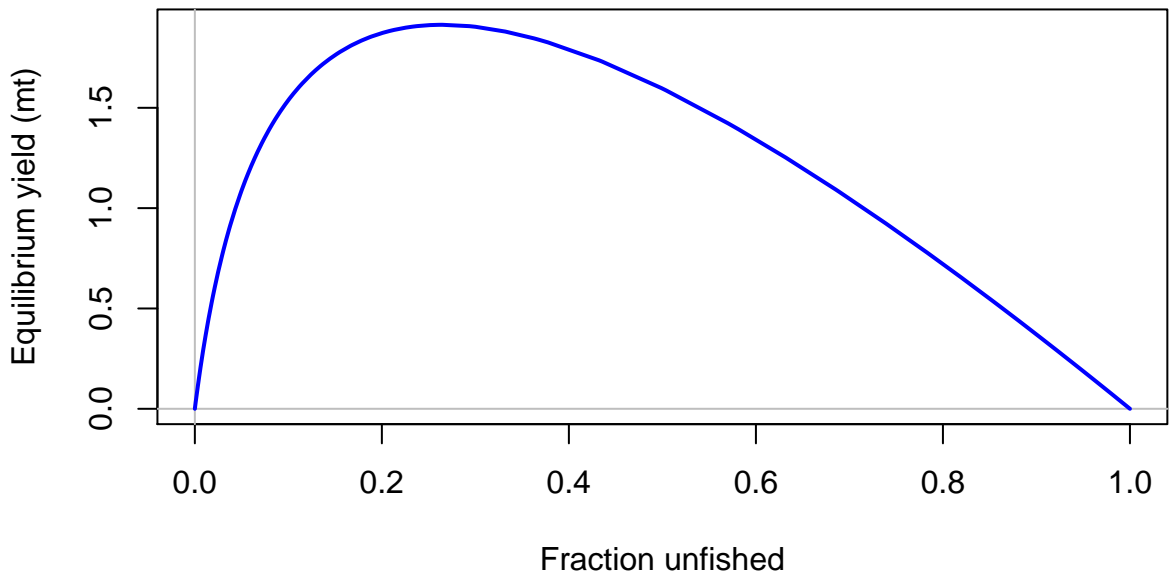


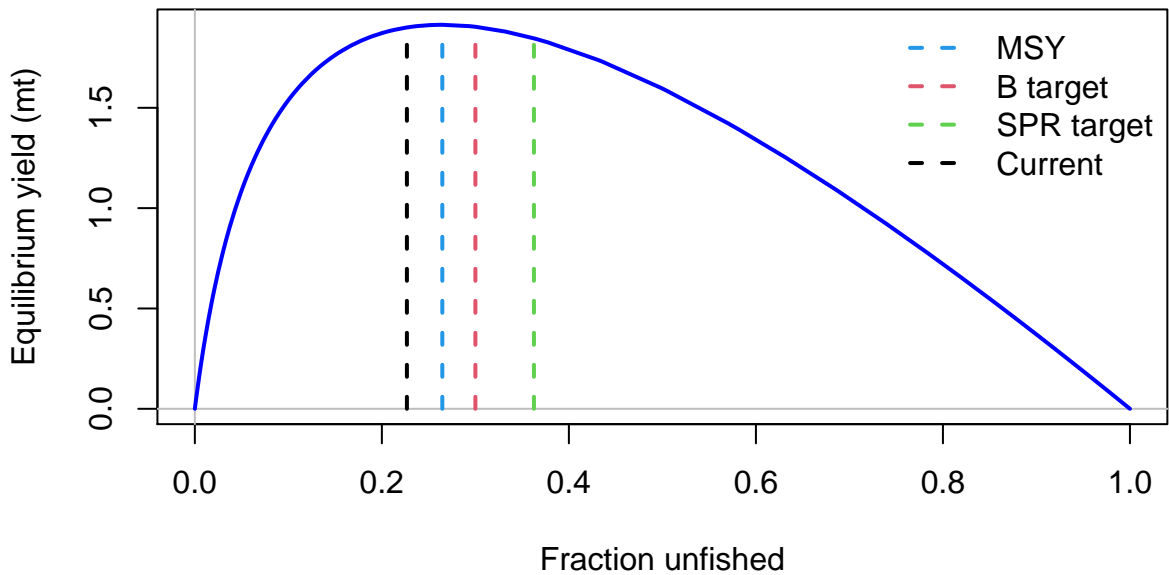


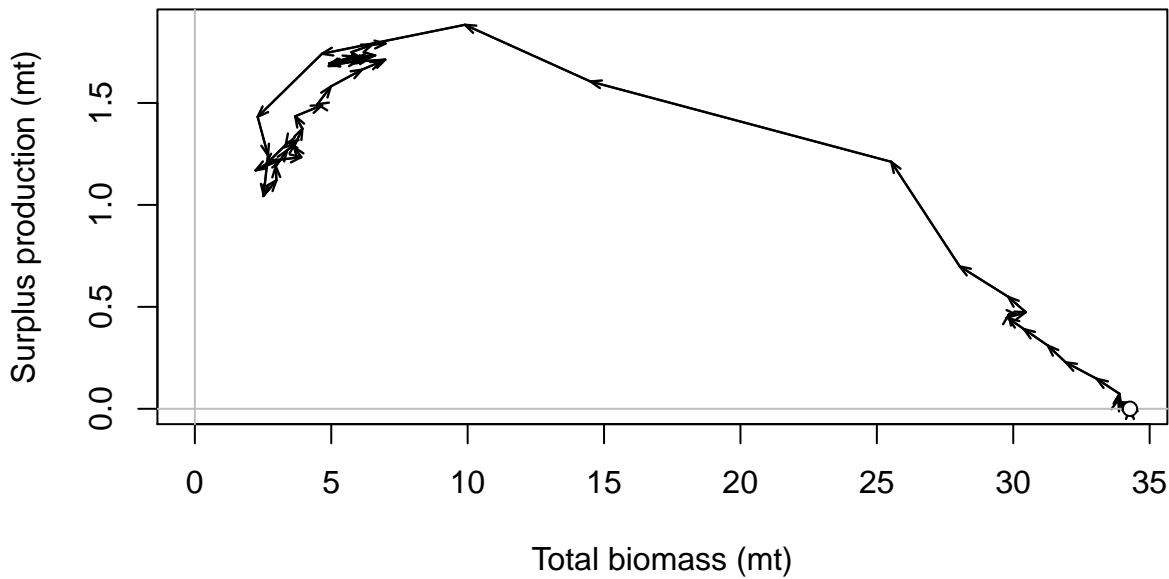


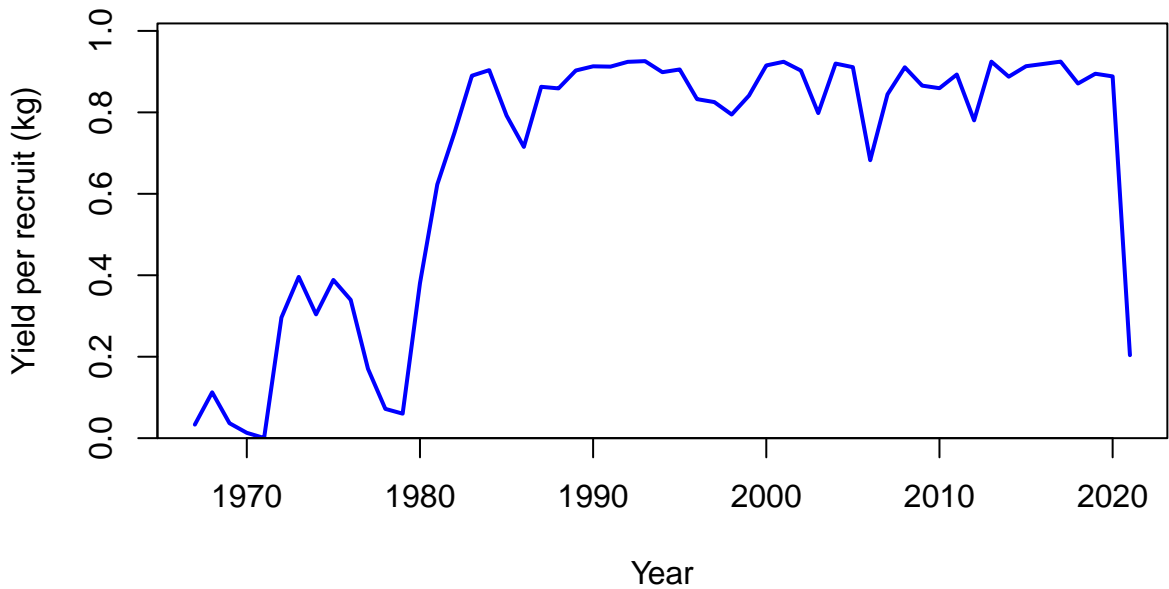
## FISHERY (whole catch)

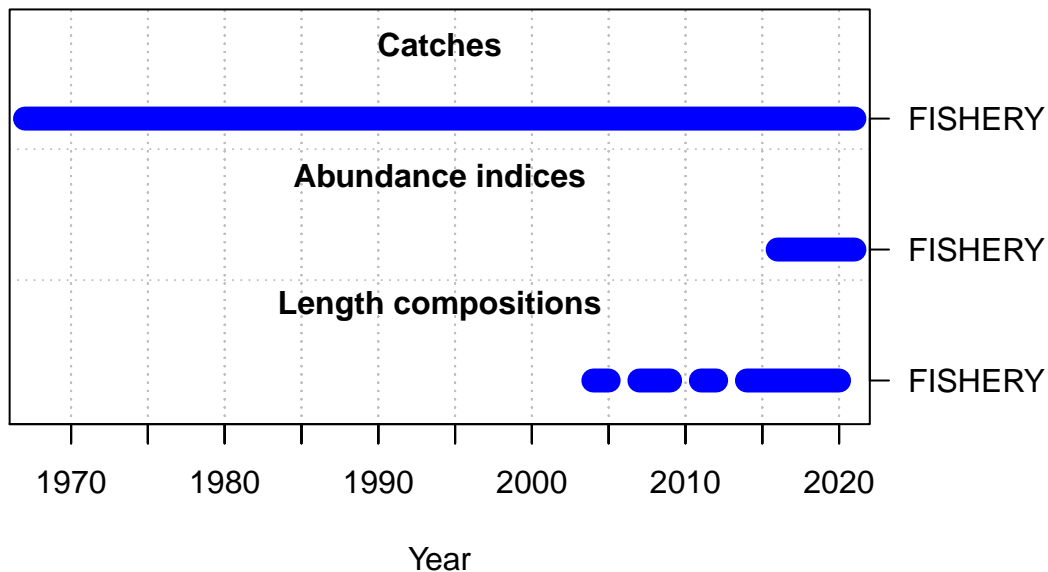






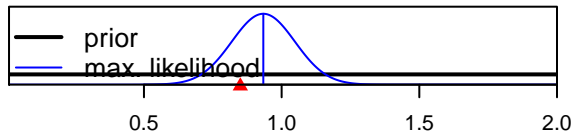




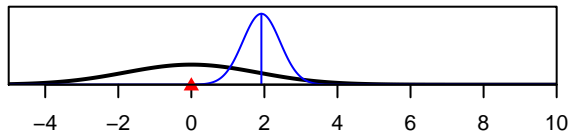




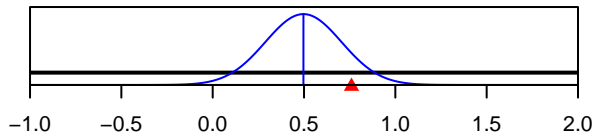
SR\_LN(R0)



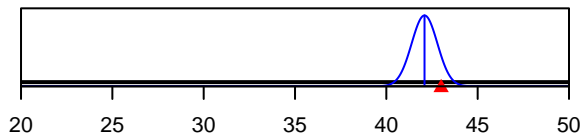
ln(DM\_theta)\_1



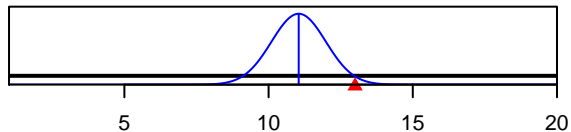
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value