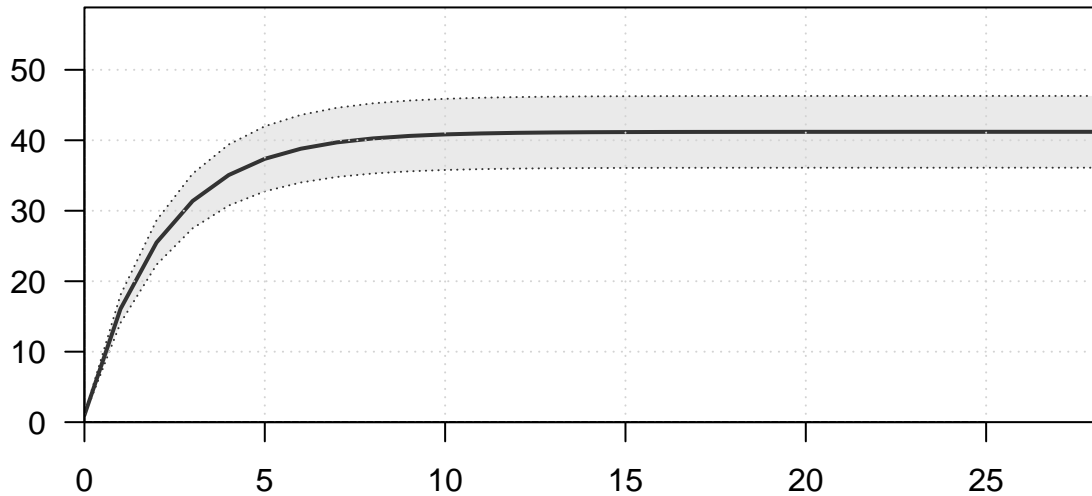


Plots created using the 'r4ss' package in R  
Stock Synthesis version: 3.30.19.0  
StartTime: Thu Aug 25 11:17:35 2022  
Data\_File: data.ss  
Control\_File: control.ss

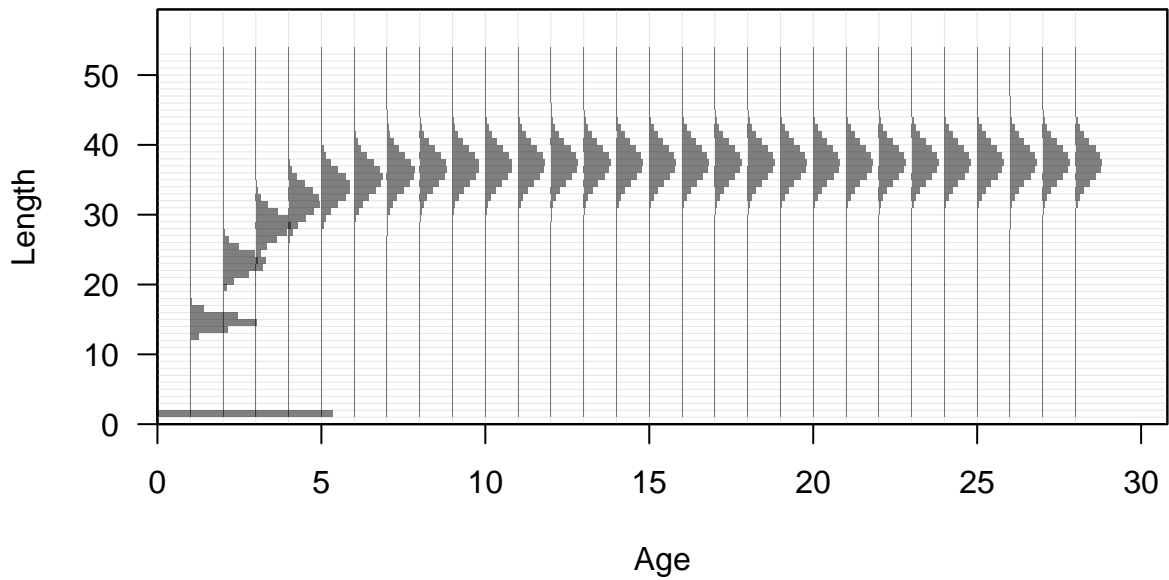
Length (cm, beginning of the year)



Age (yr)





























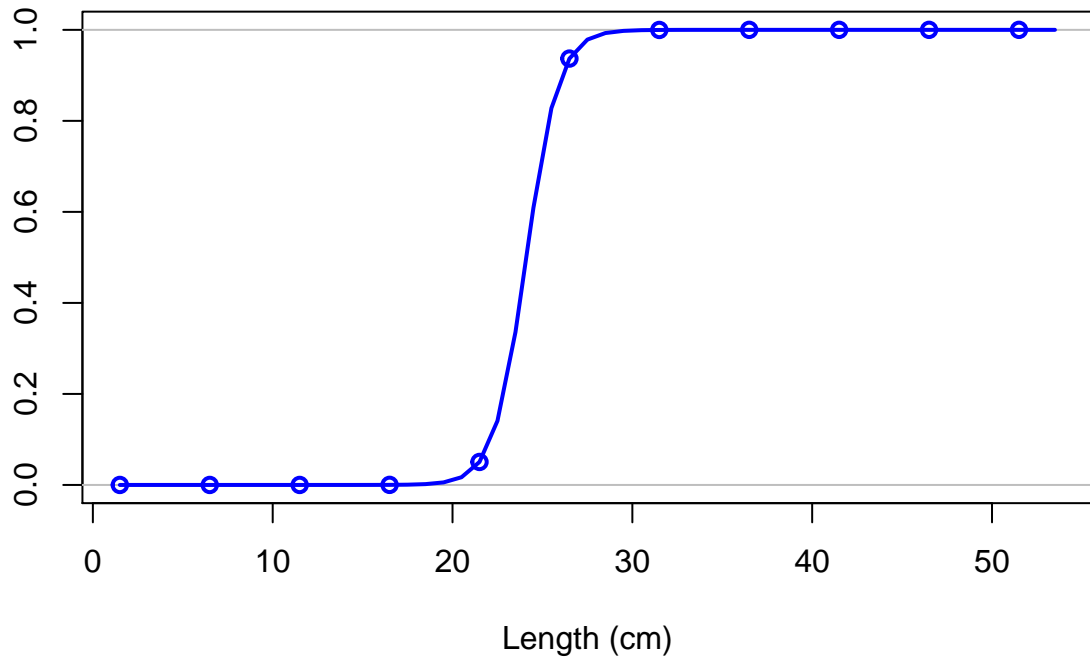




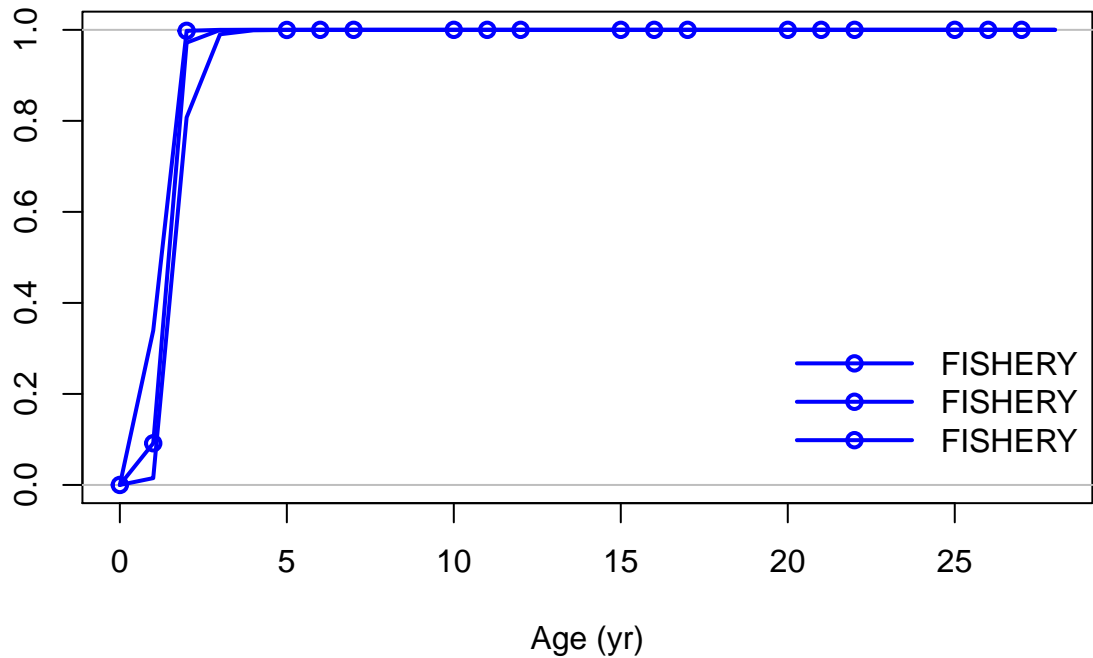
Spawning output



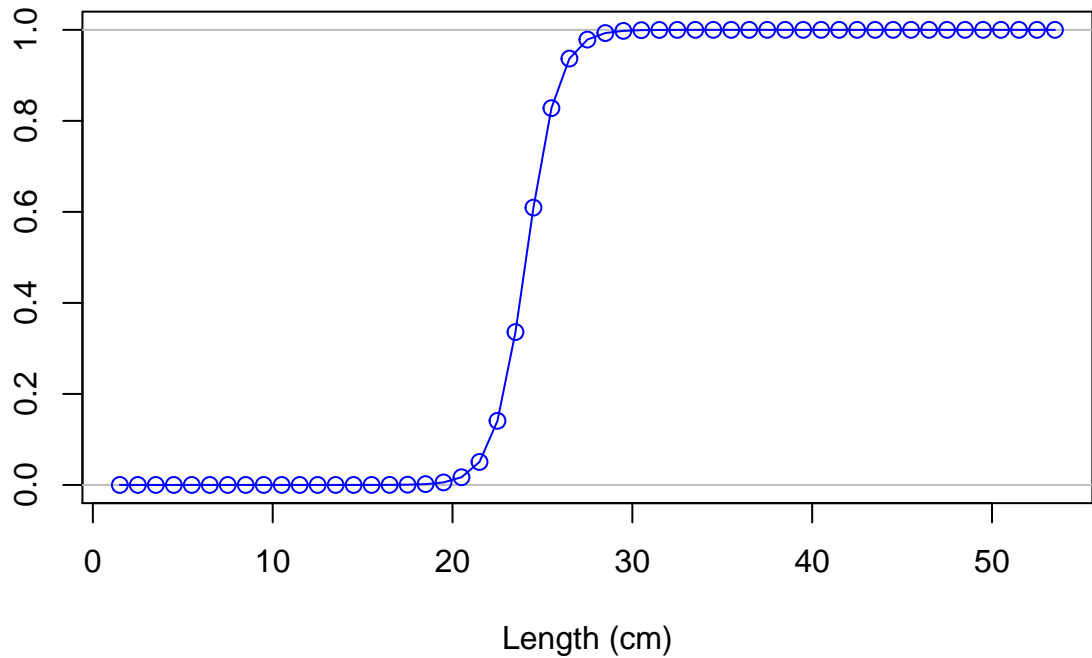
Selectivity

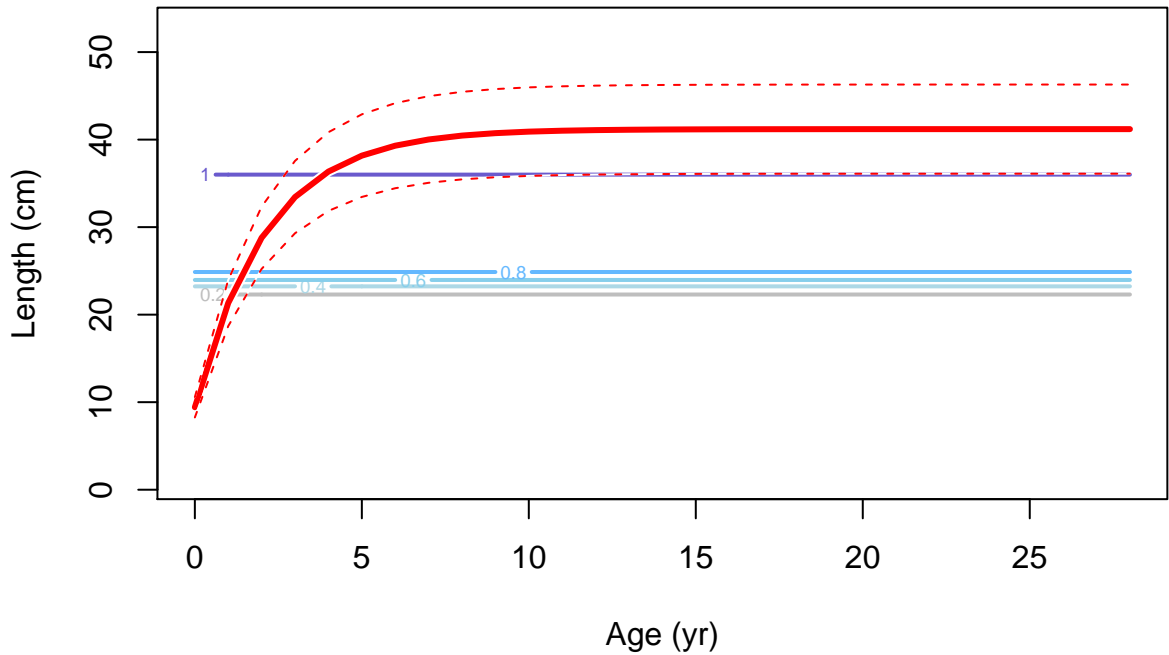


Selectivity

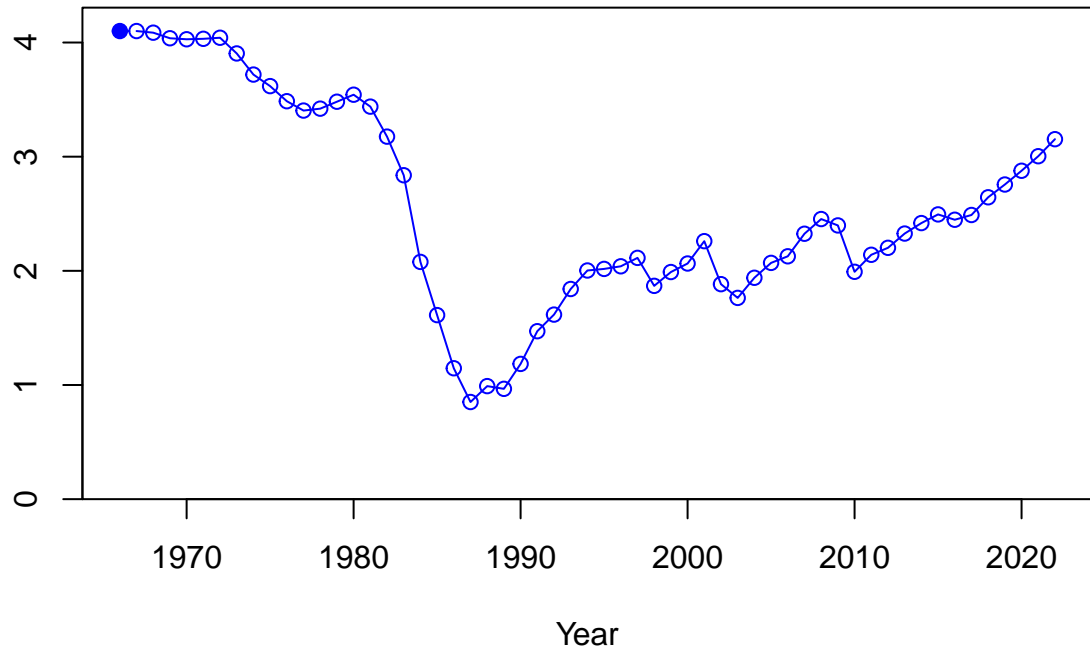


Selectivity

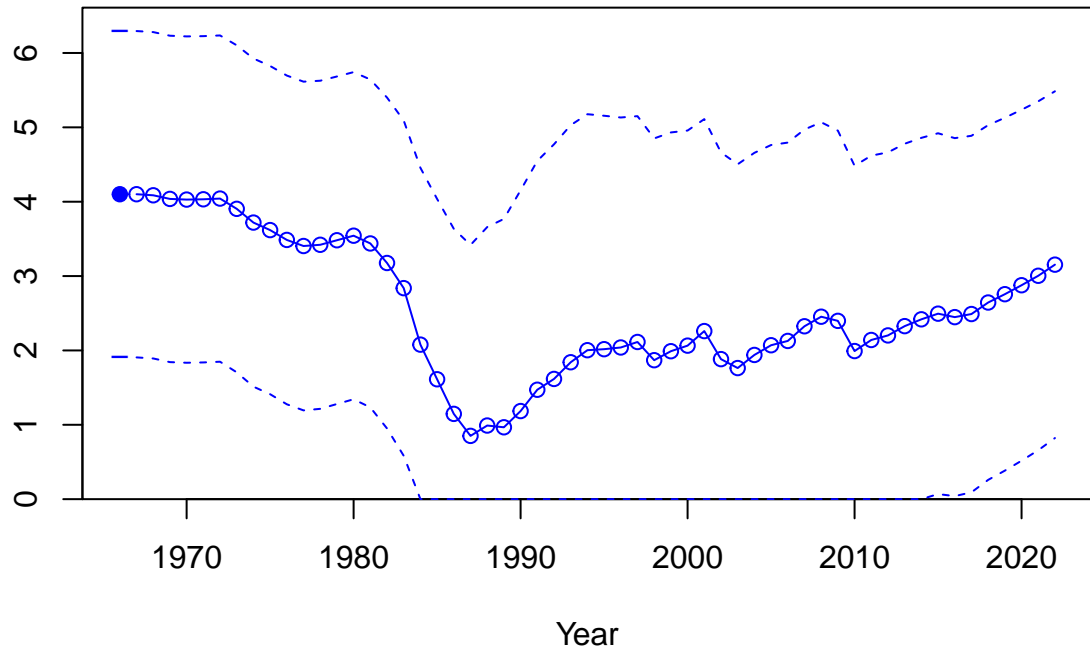




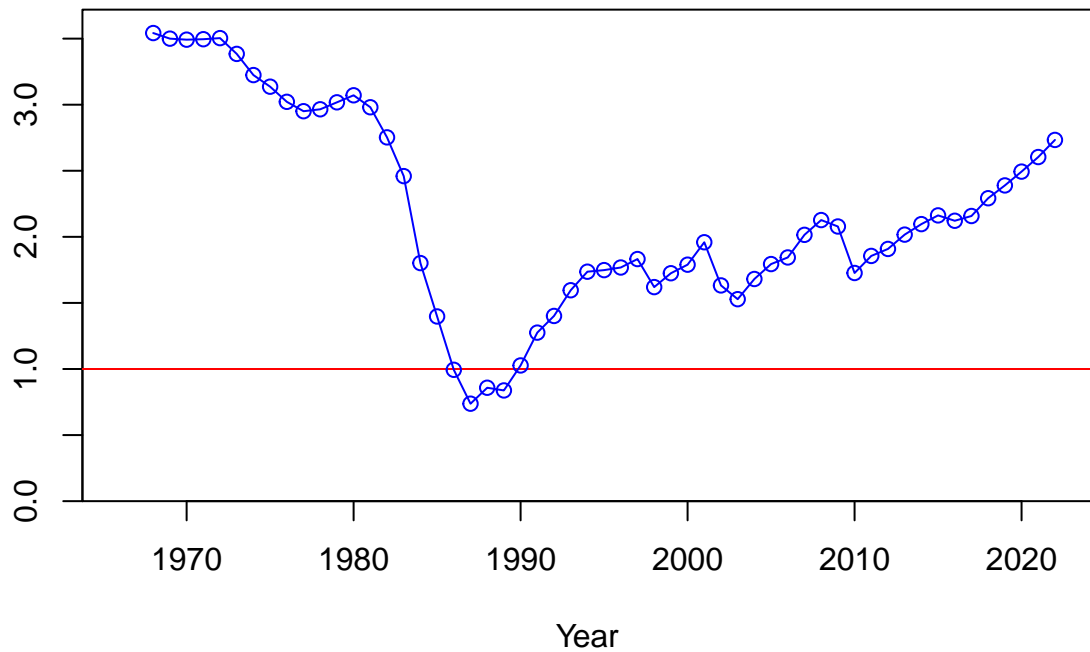
Spawning biomass (mt)



Spawning biomass (mt)

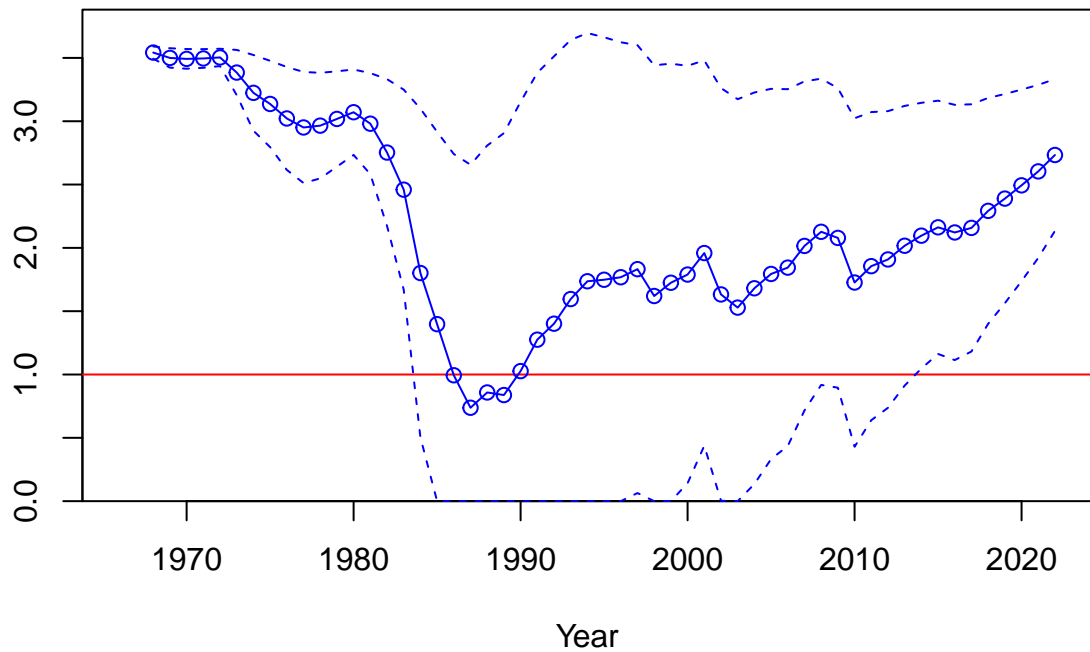


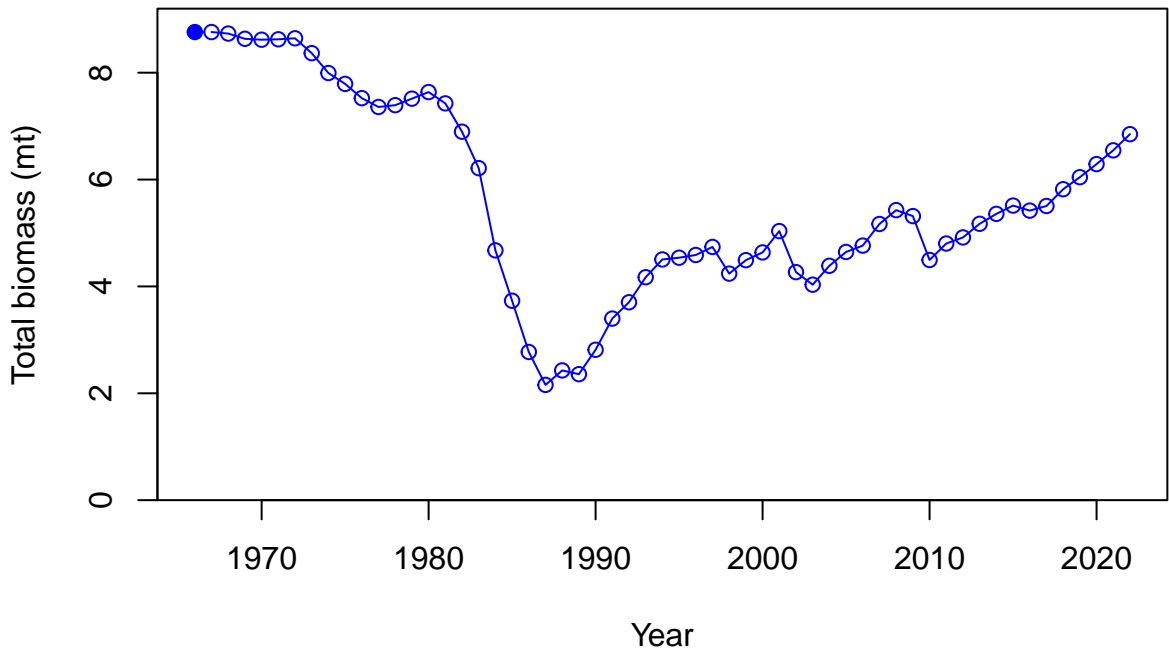
Relative spawning biomass:  $B/B_{MSY}$

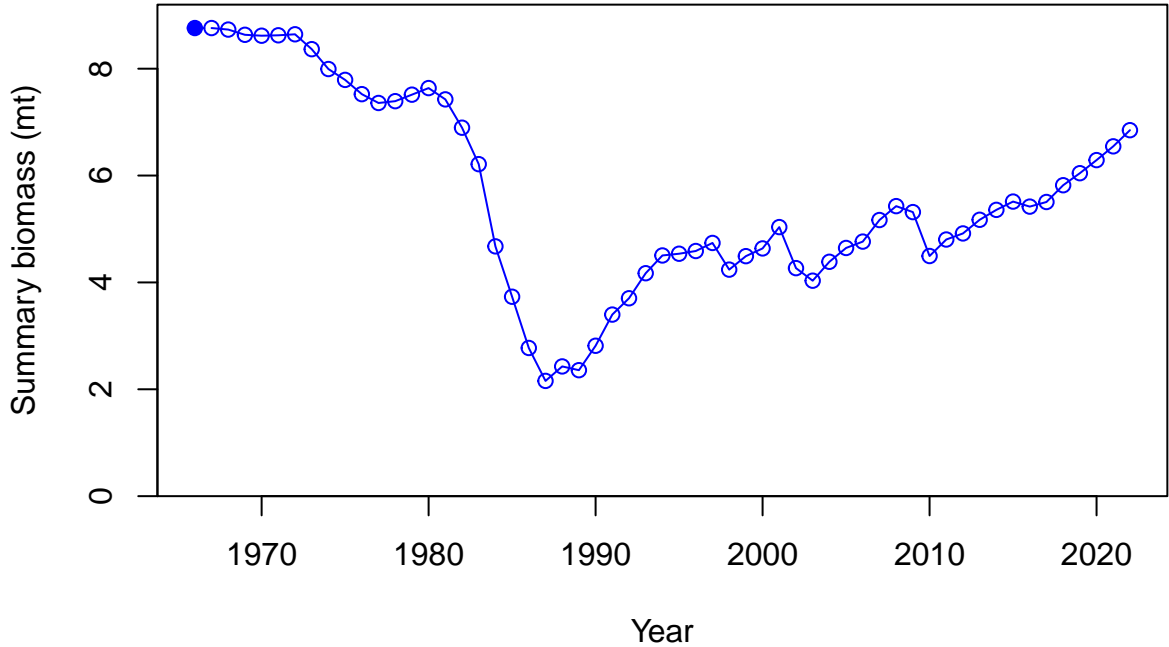




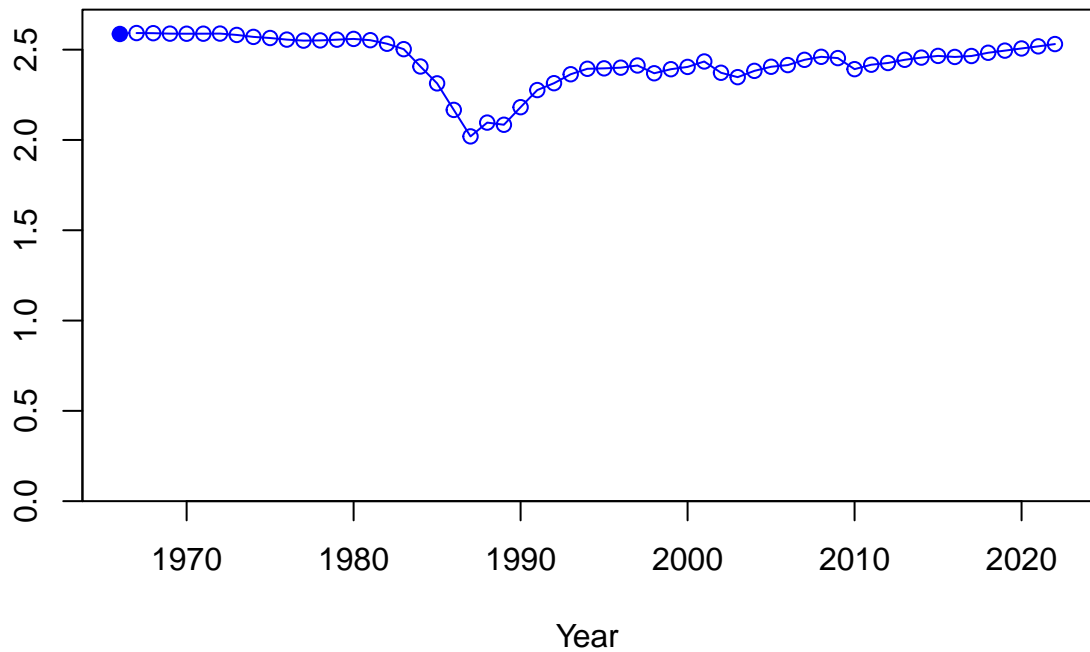
Relative spawning biomass:  $B/B_{MSY}$



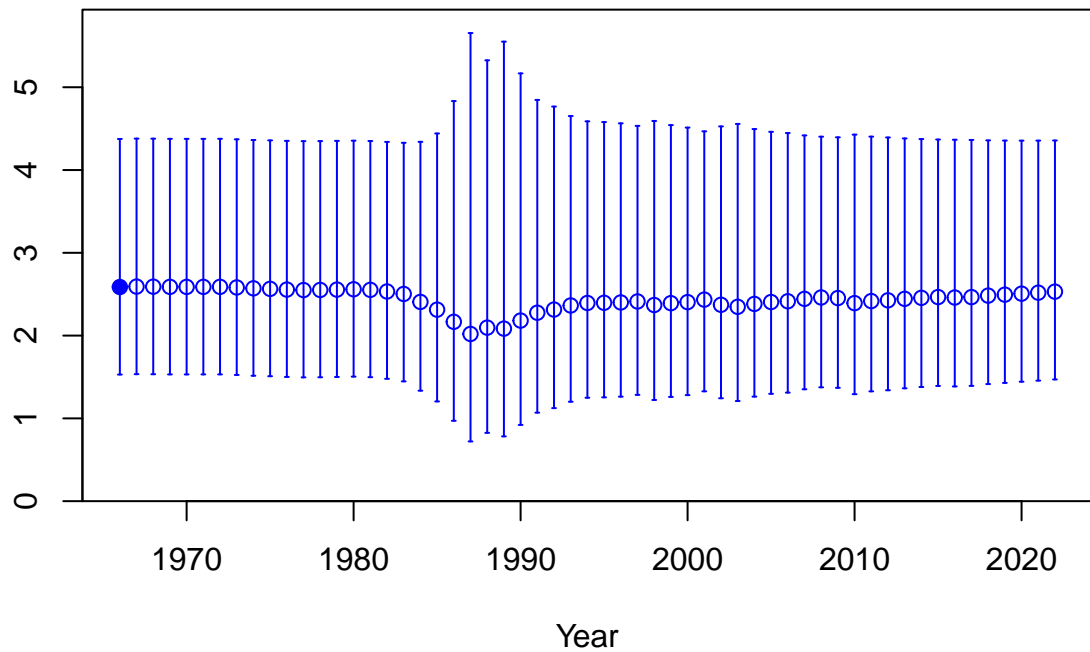




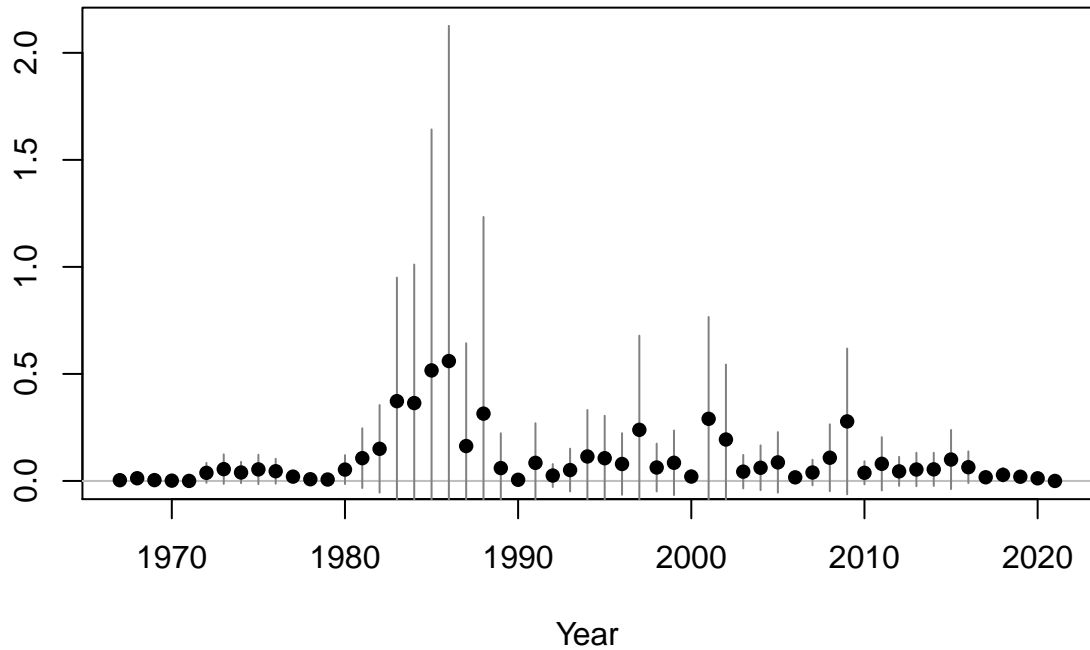
Age-0 recruits (1,000s)

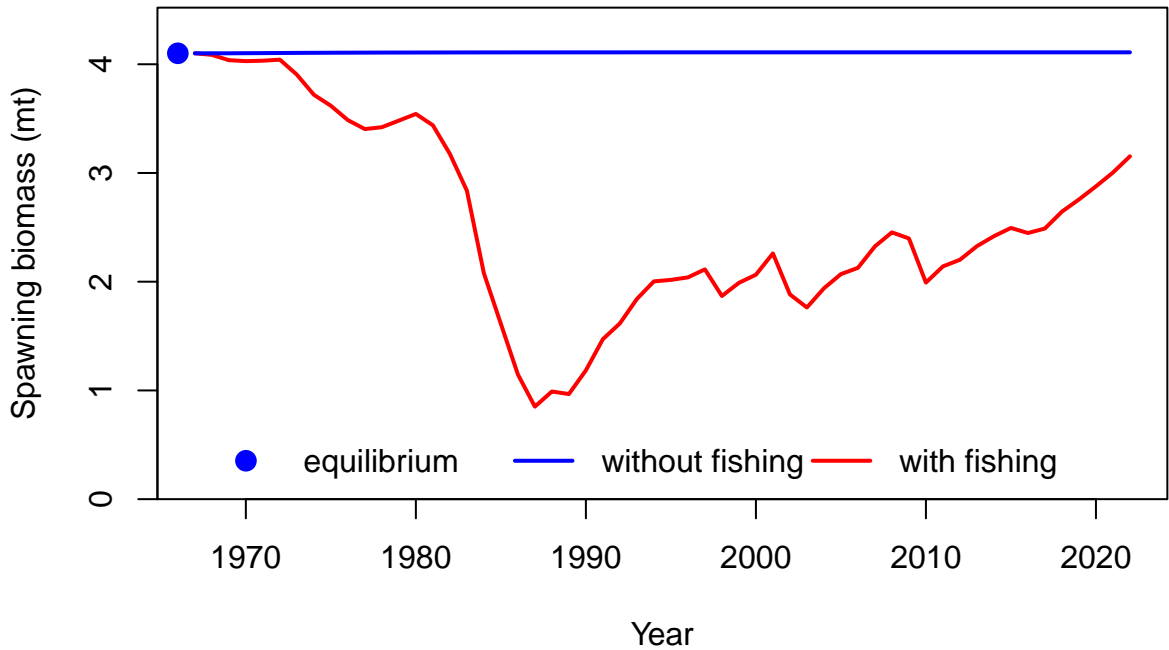


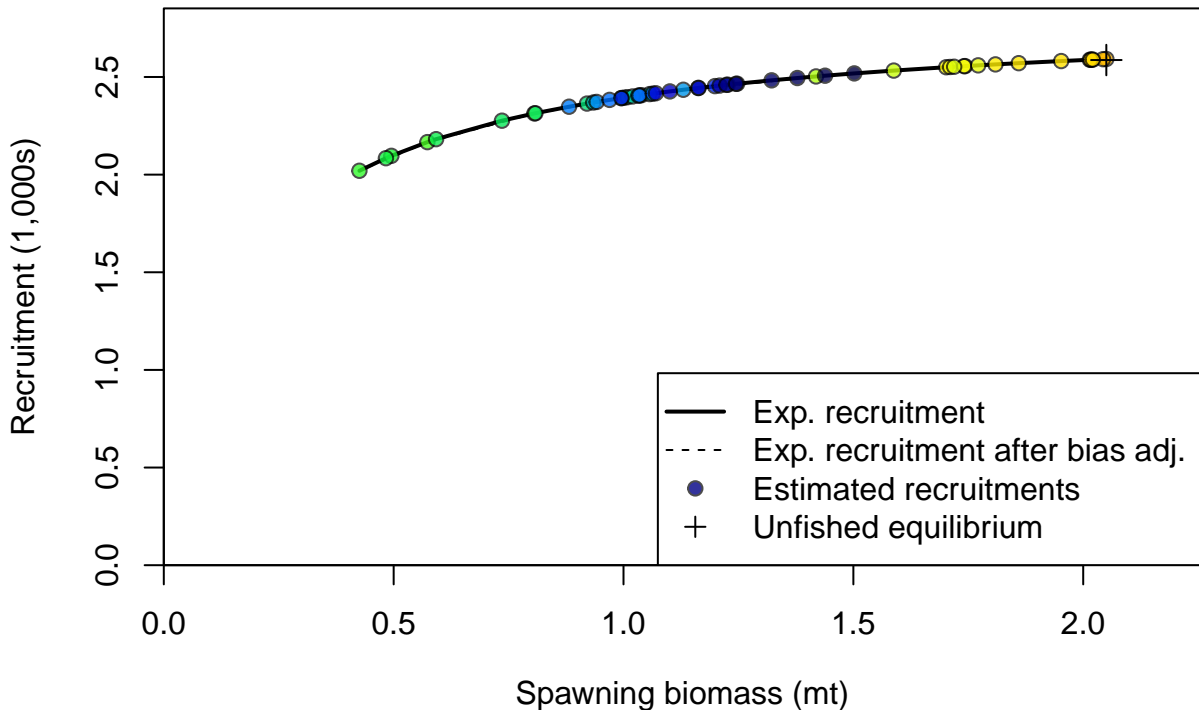
Age-0 recruits (1,000s)



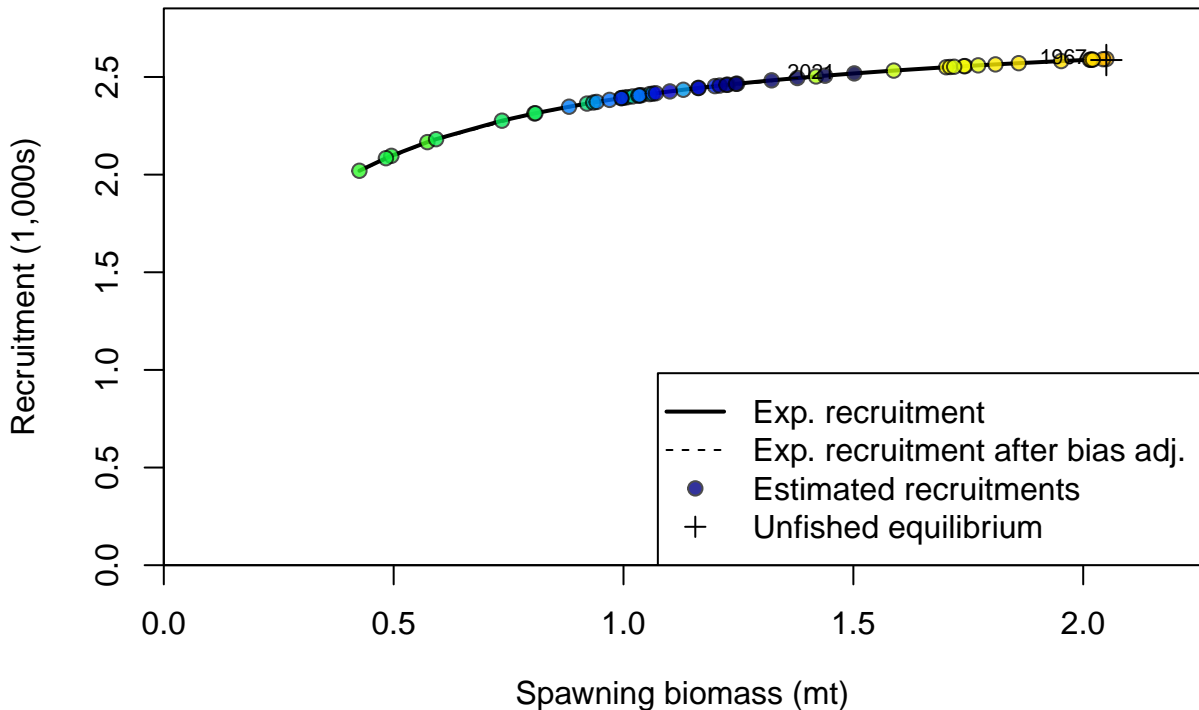
Summary Fishing Mortality

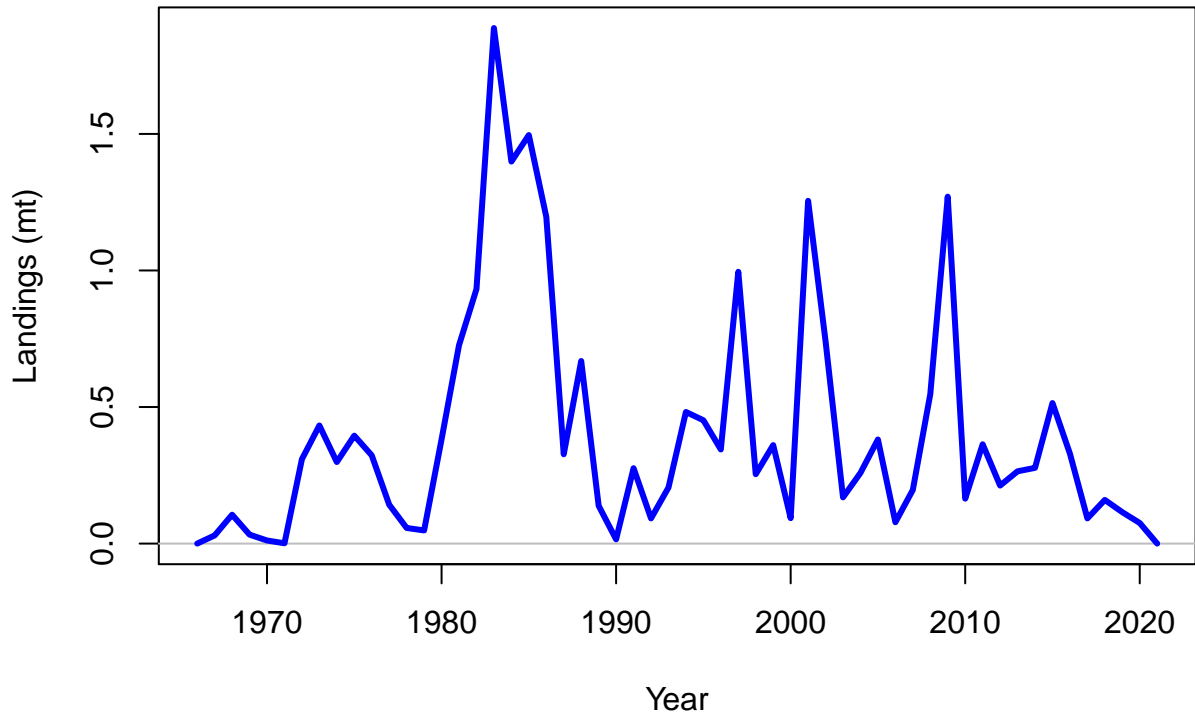


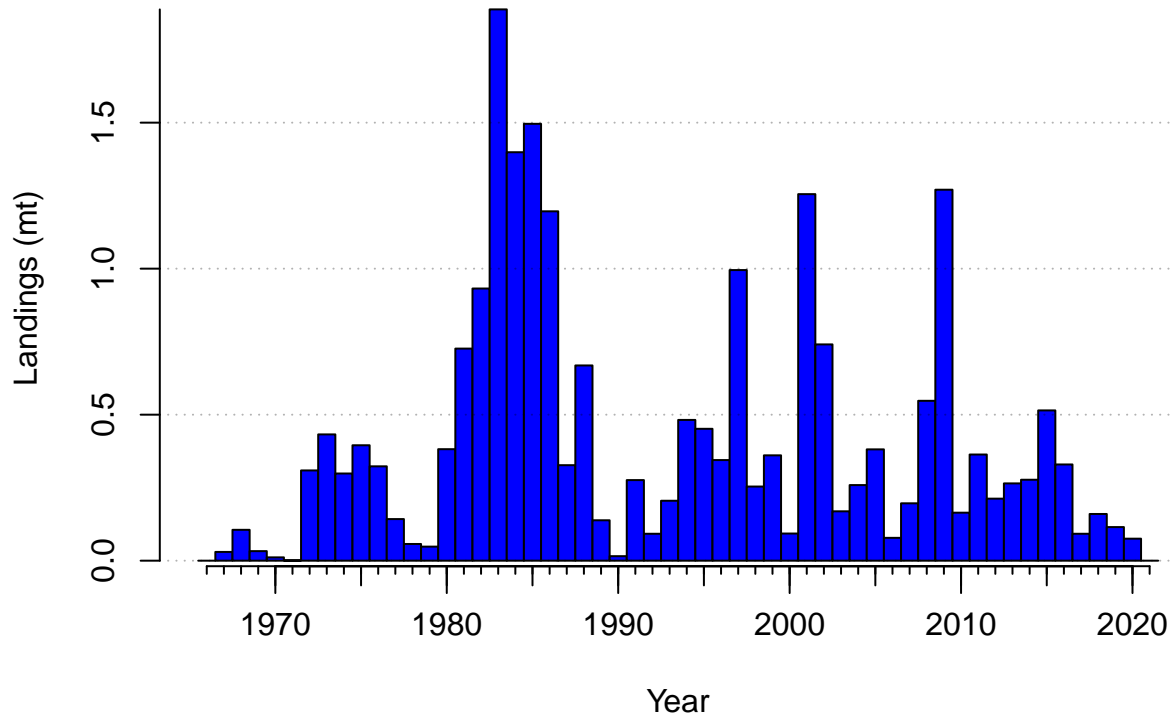












Observed and expected Landings (mt)

FISHERY  
FISHERY obs.

1.5  
1.0  
0.5  
0.0

1970

1980

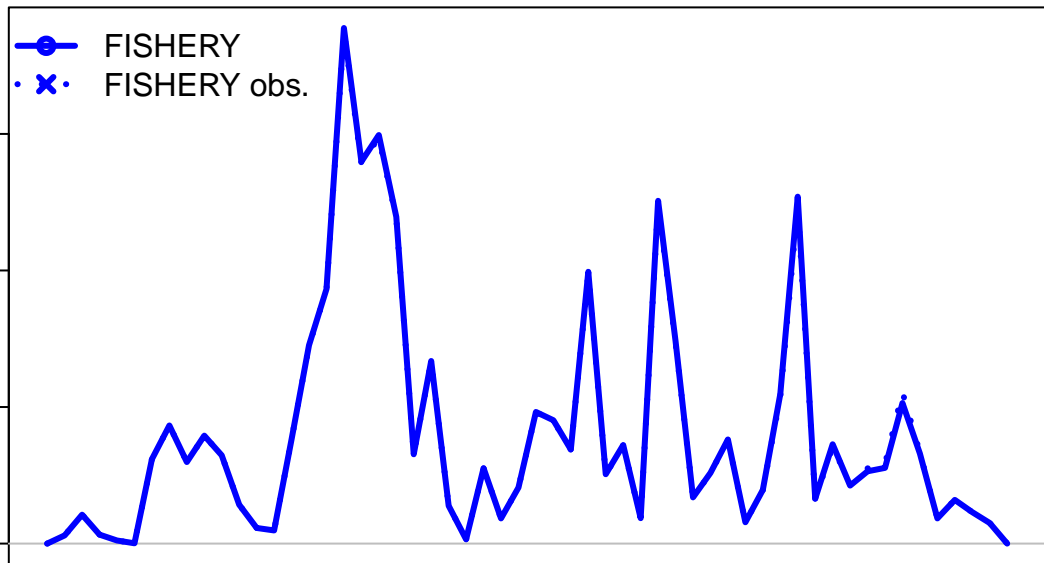
1990

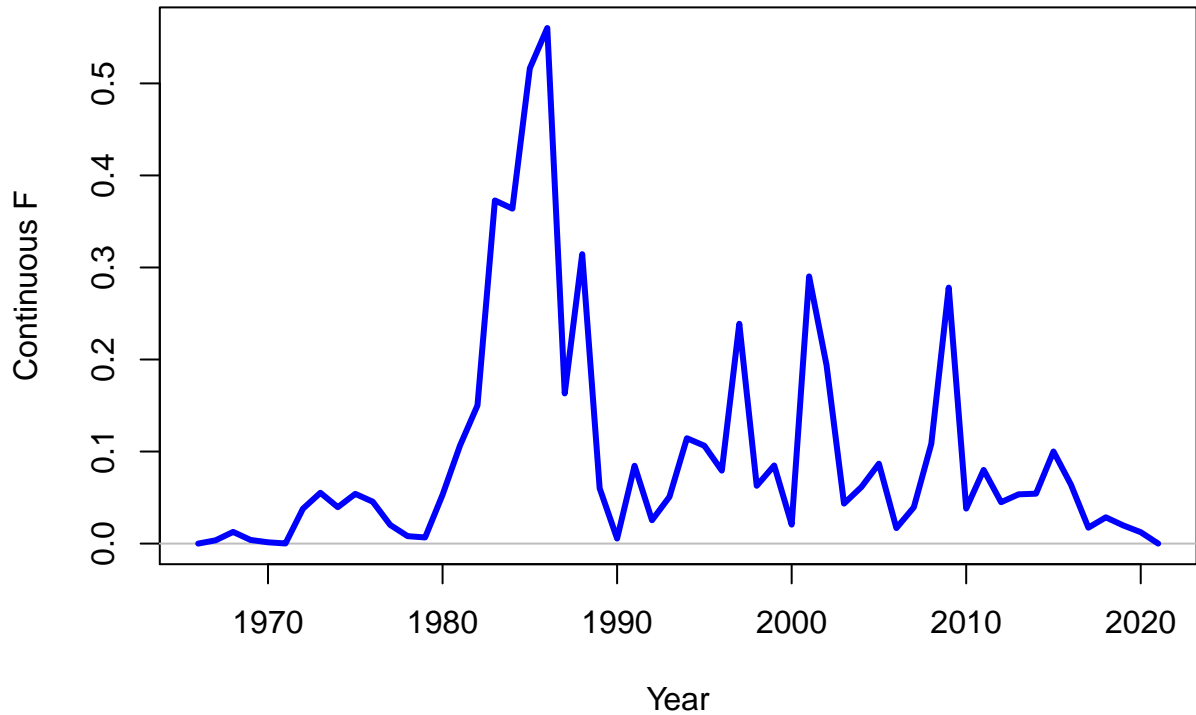
2000

2010

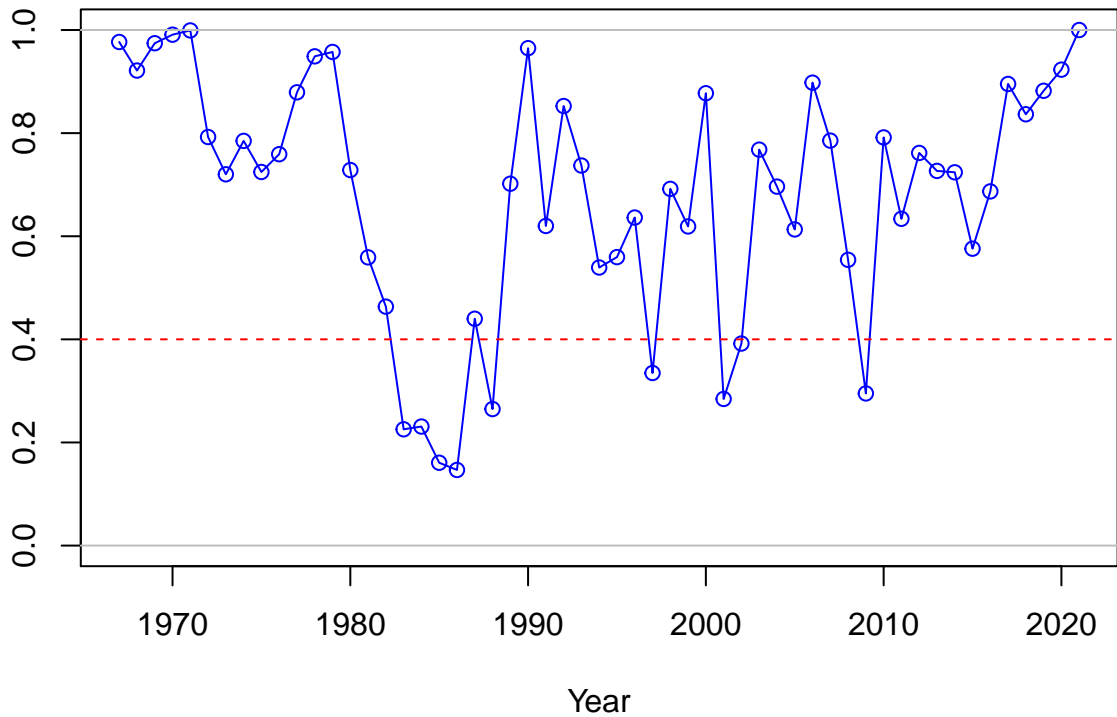
2020

Year

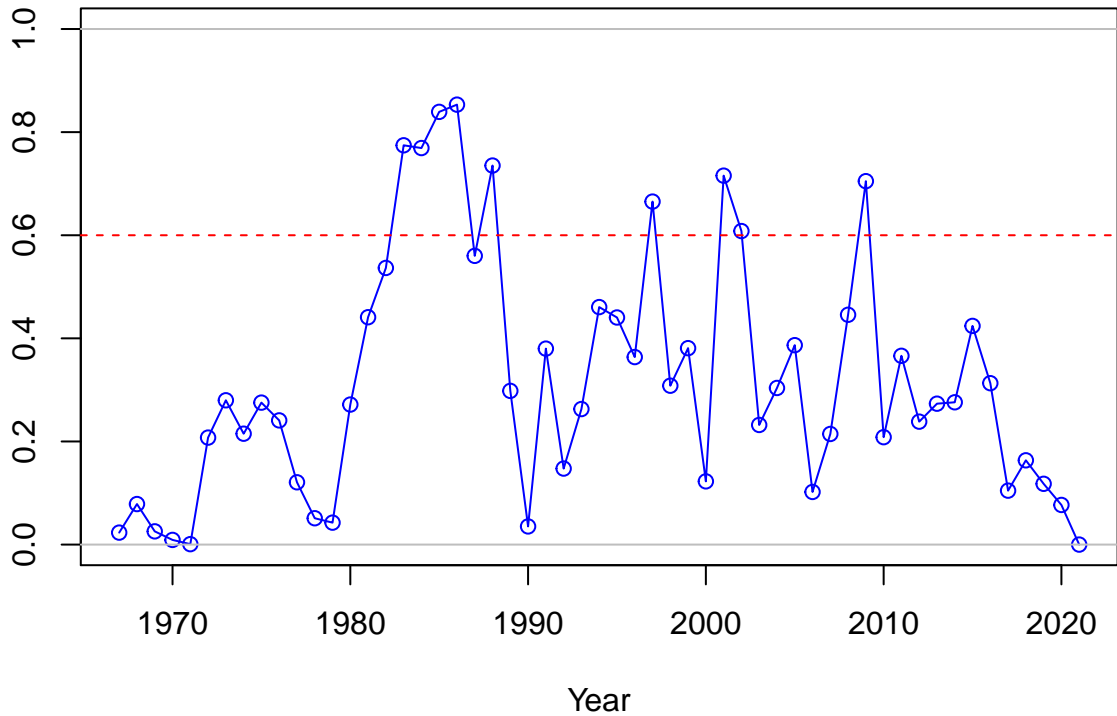




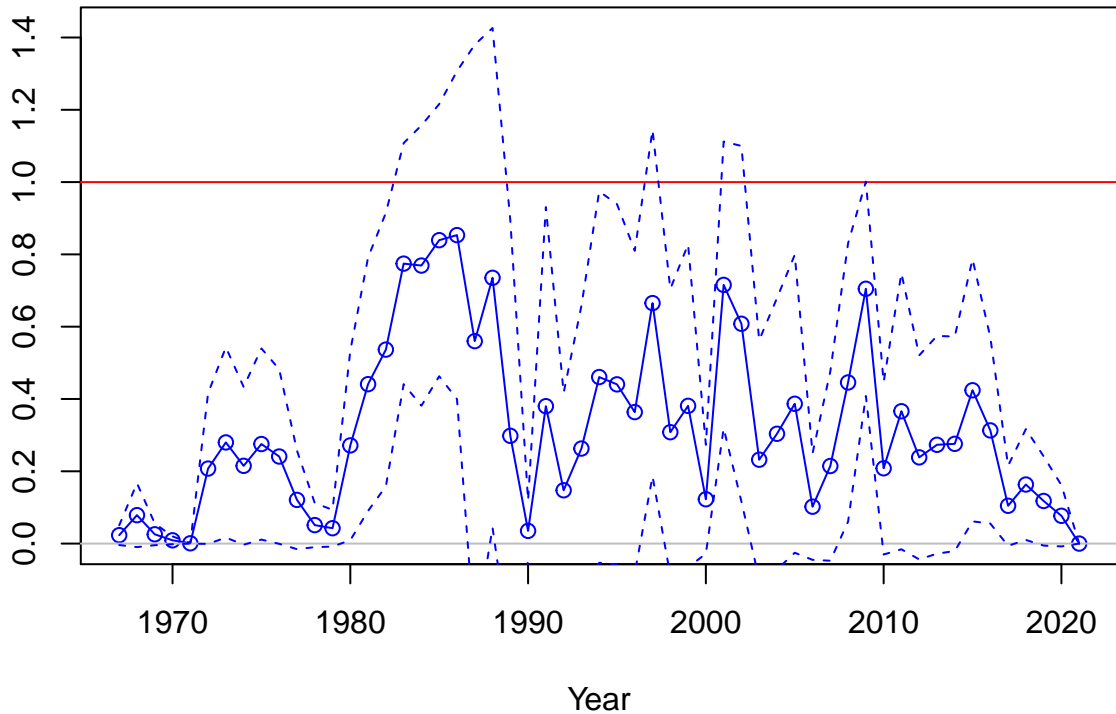
SPR



1-SPR

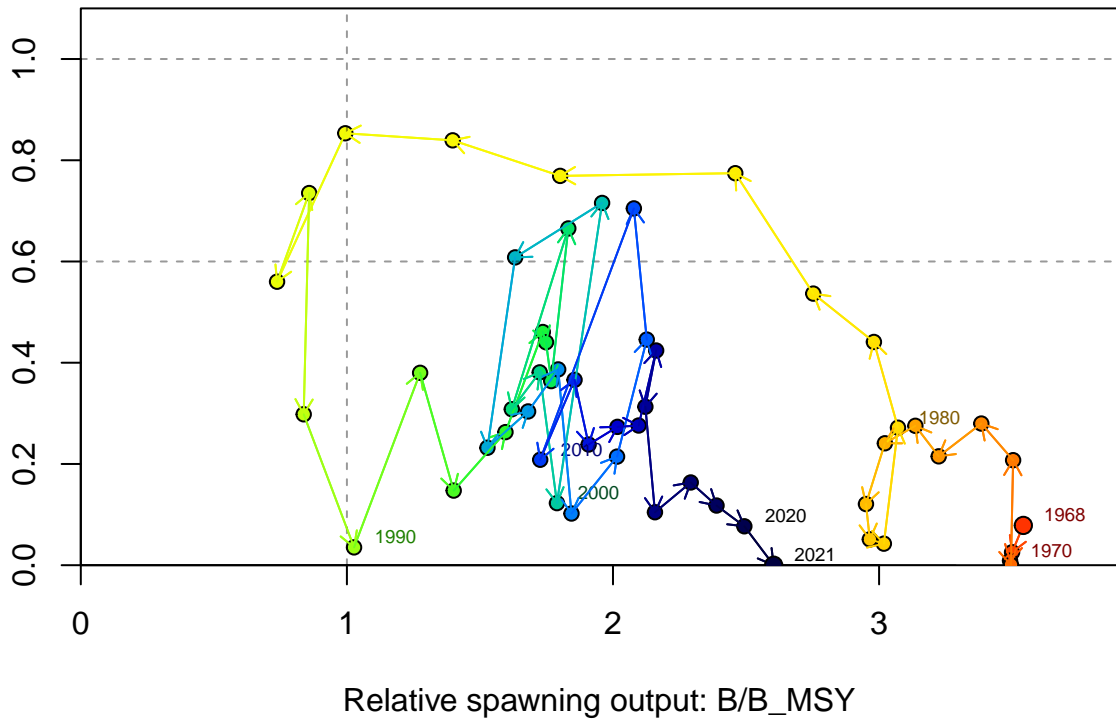


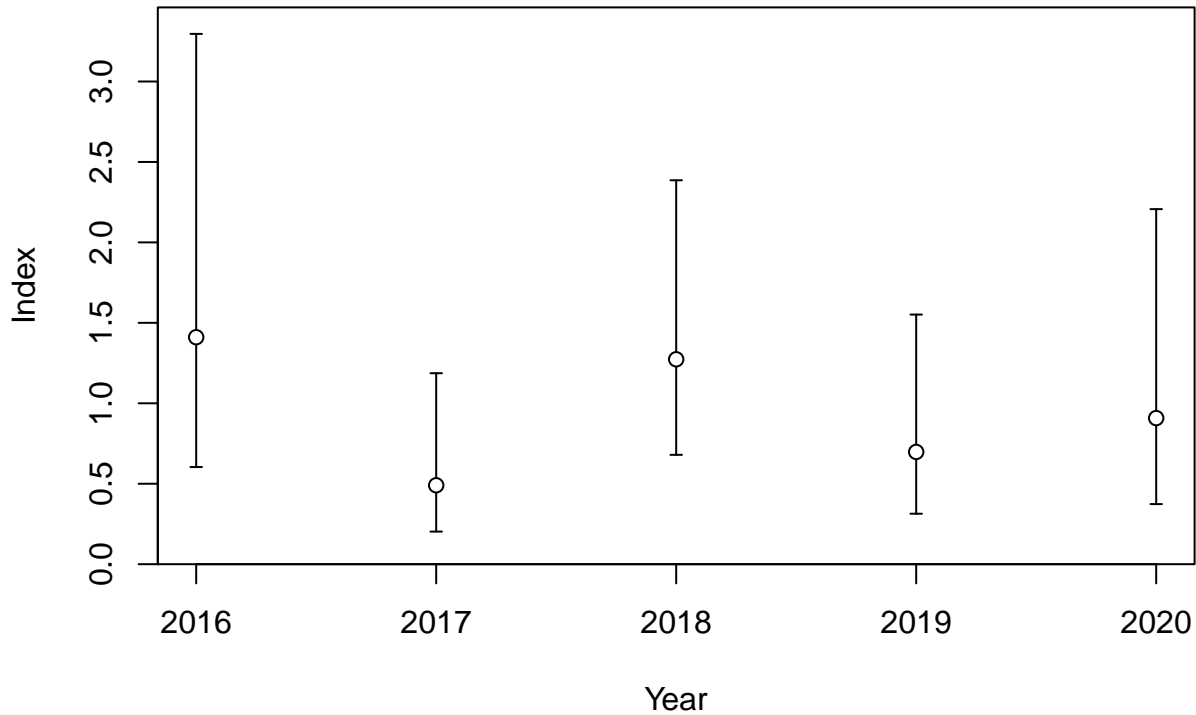
Fishing intensity: 1-SPR



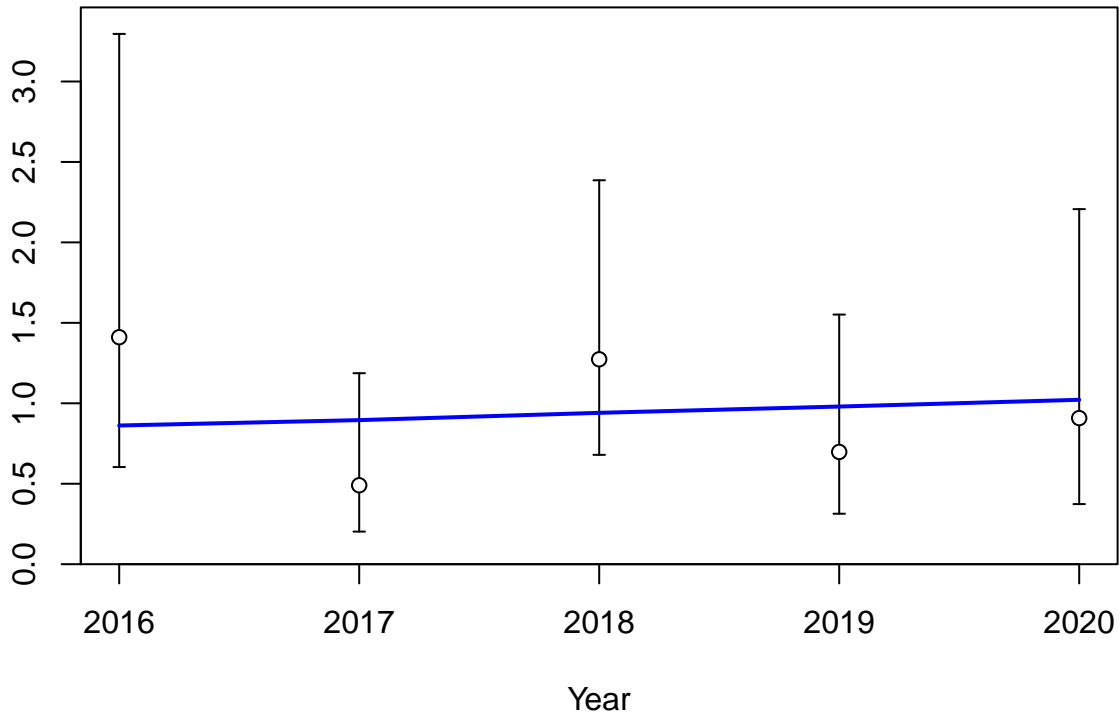


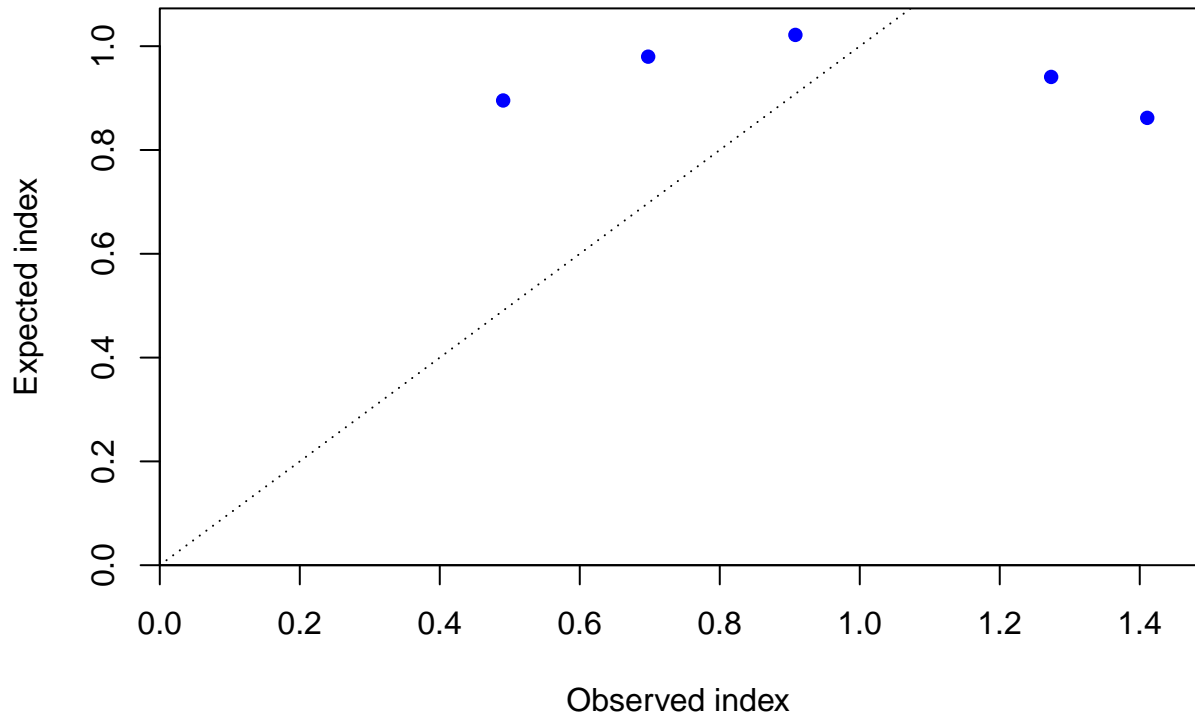
Fishing intensity: 1-SPR

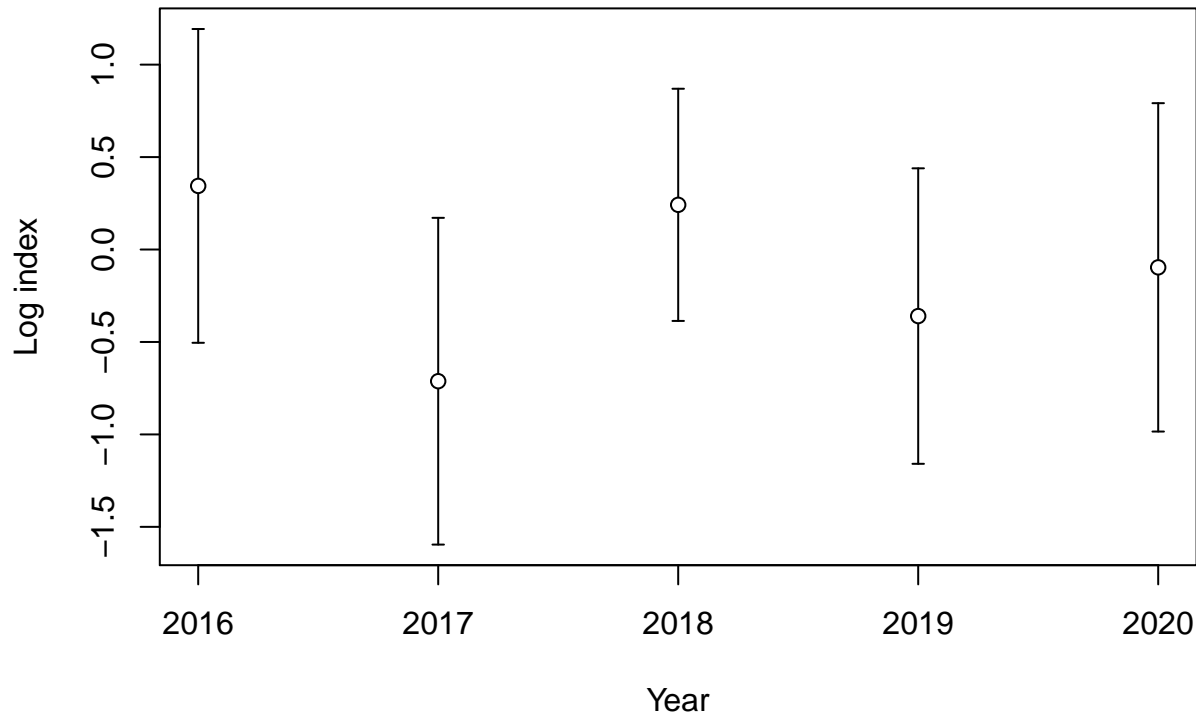


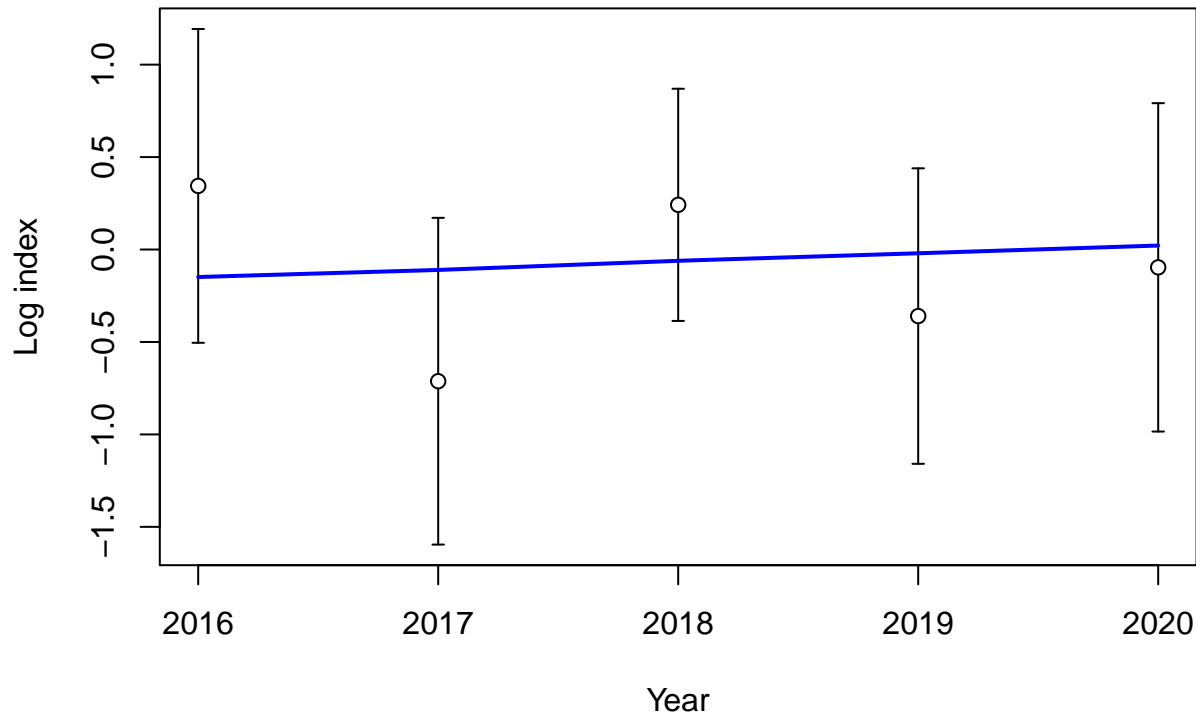


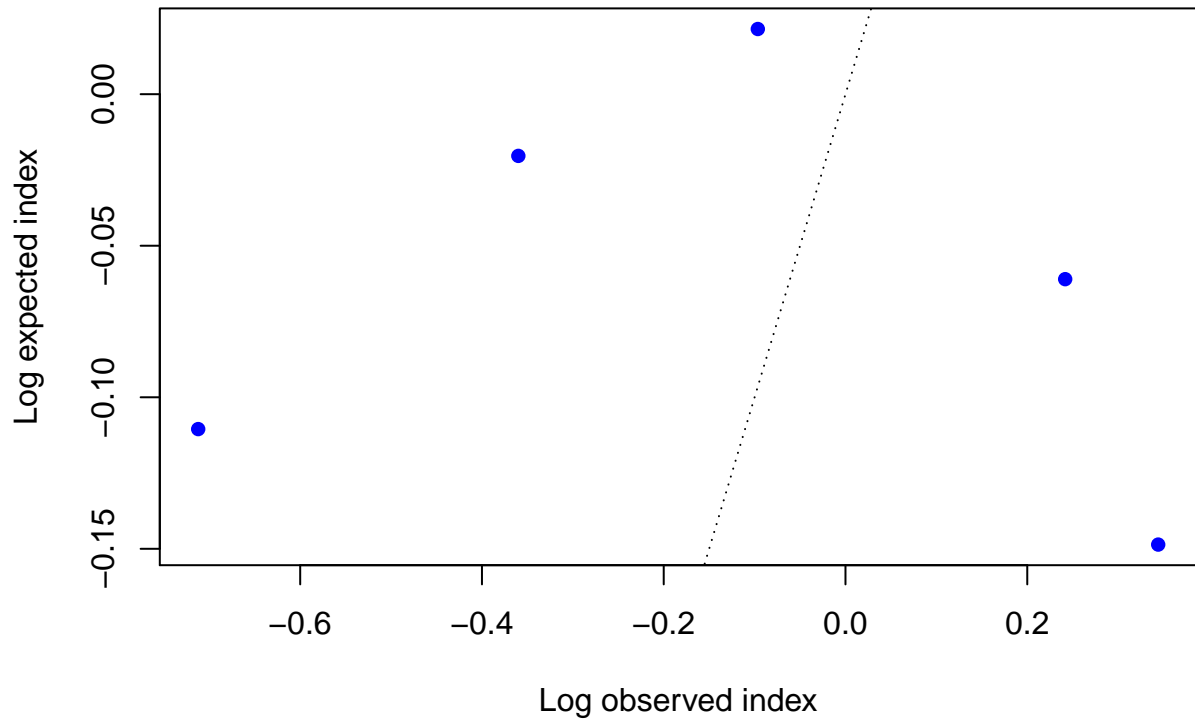
Index

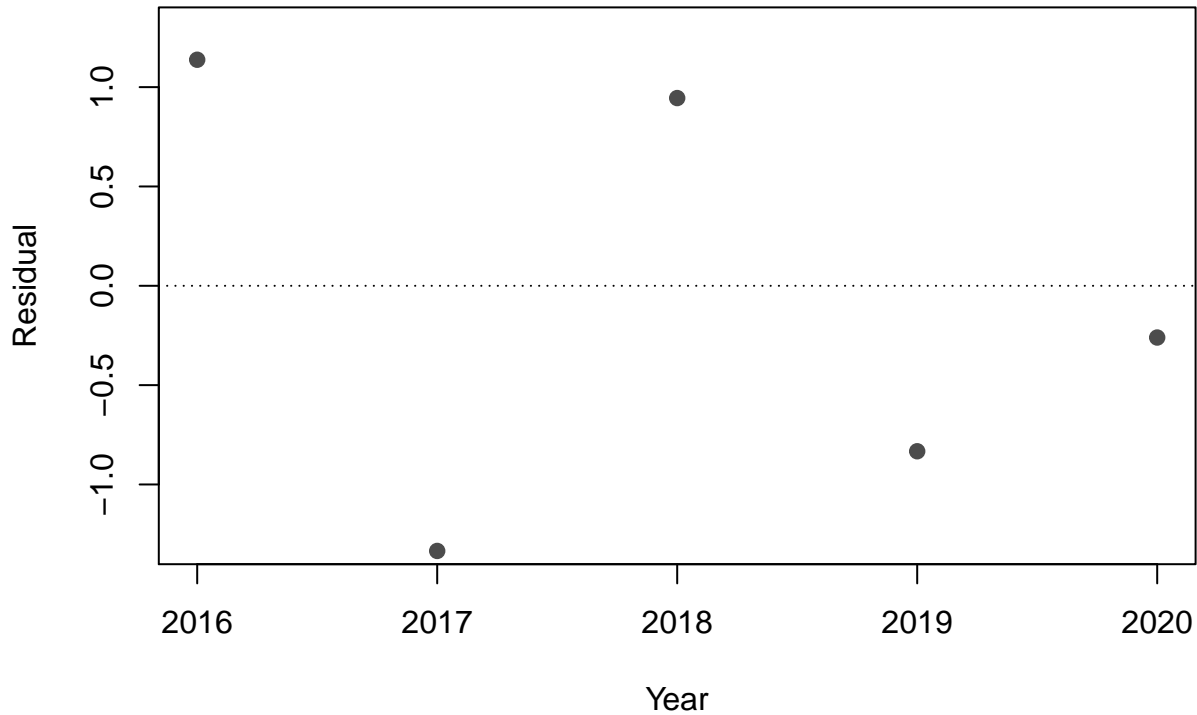






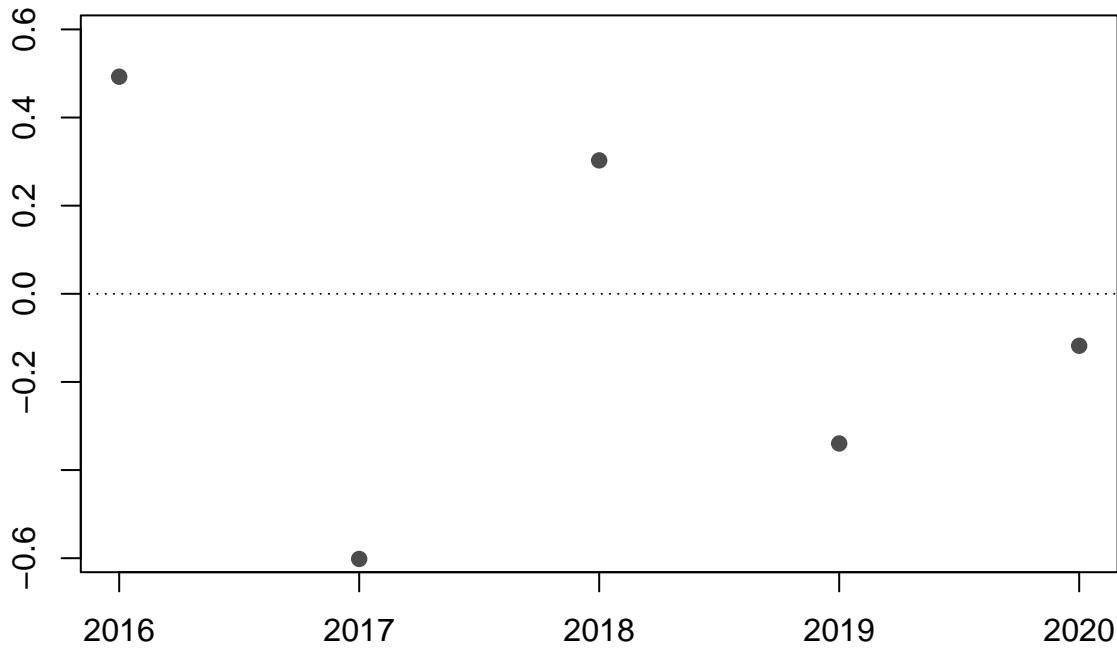




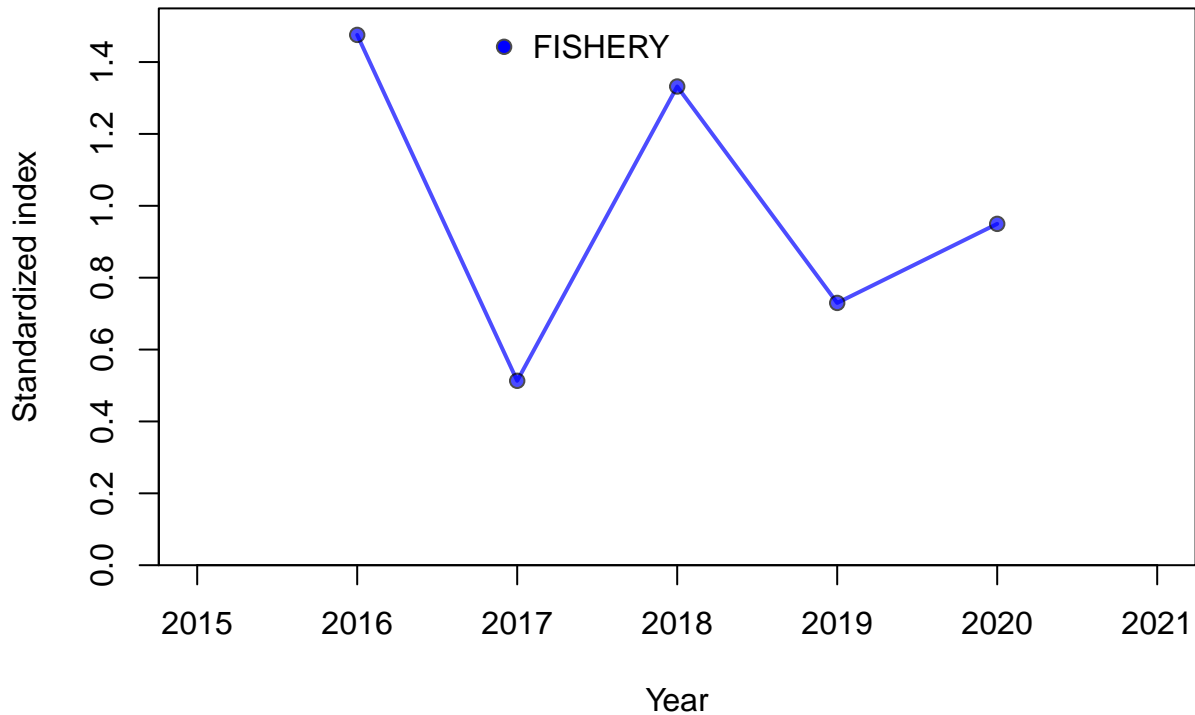


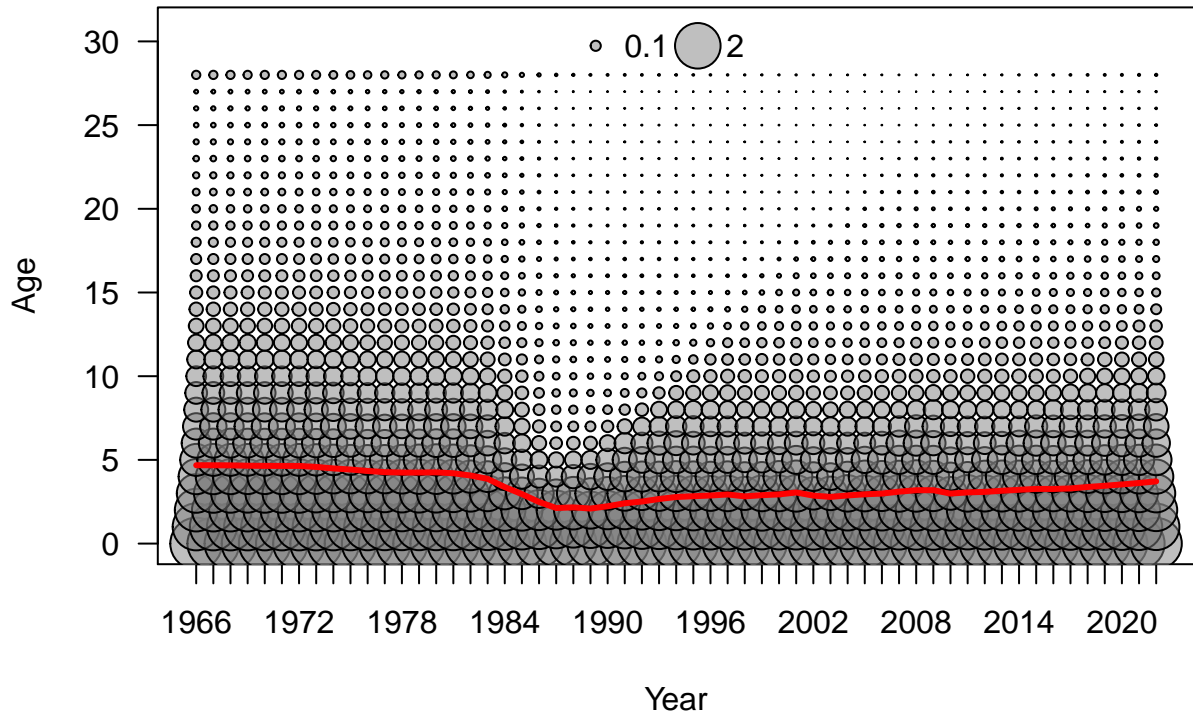


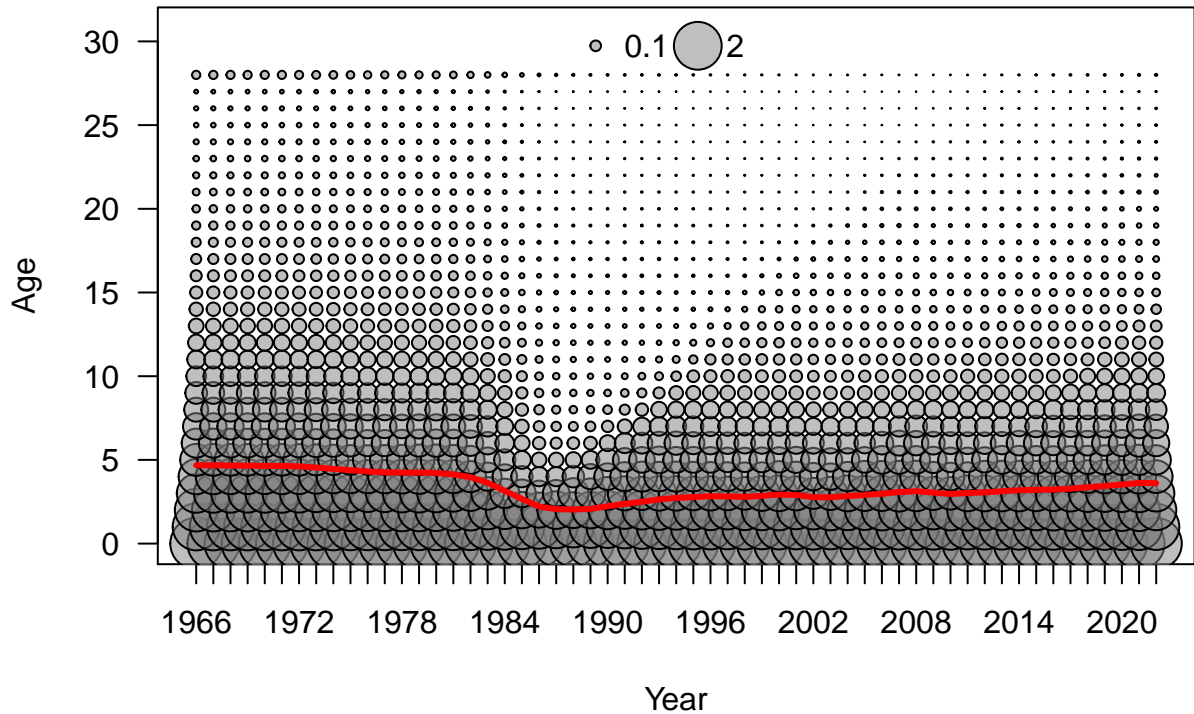
Deviation

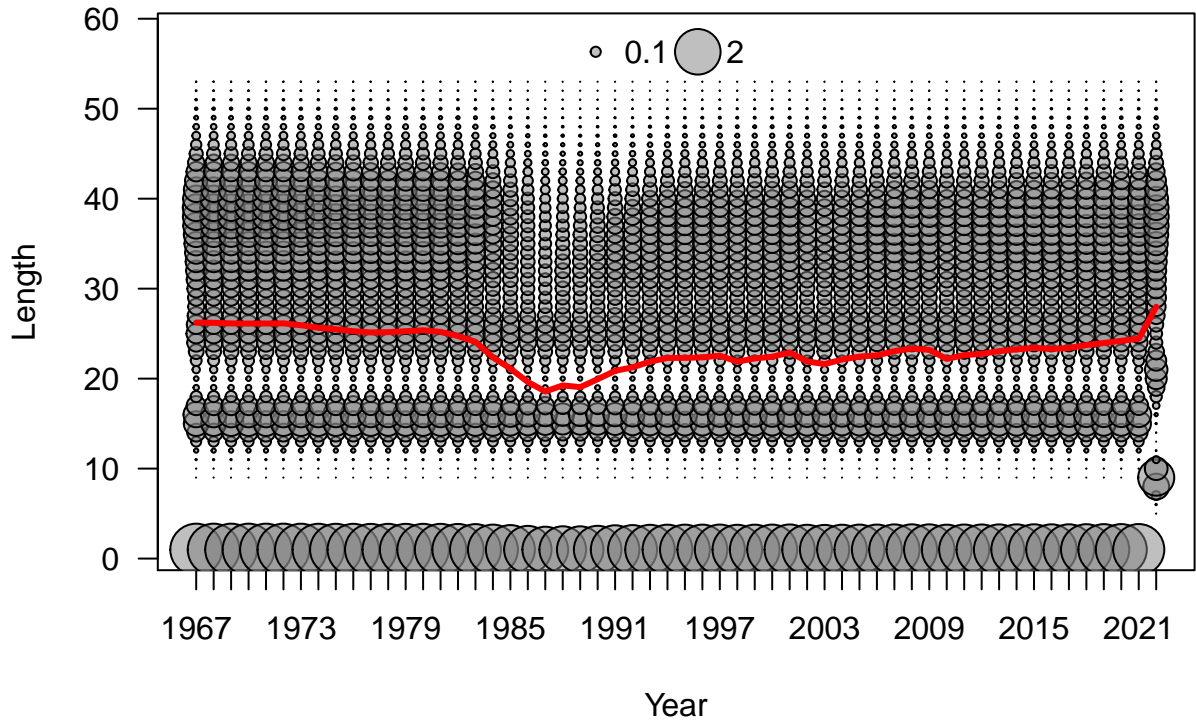


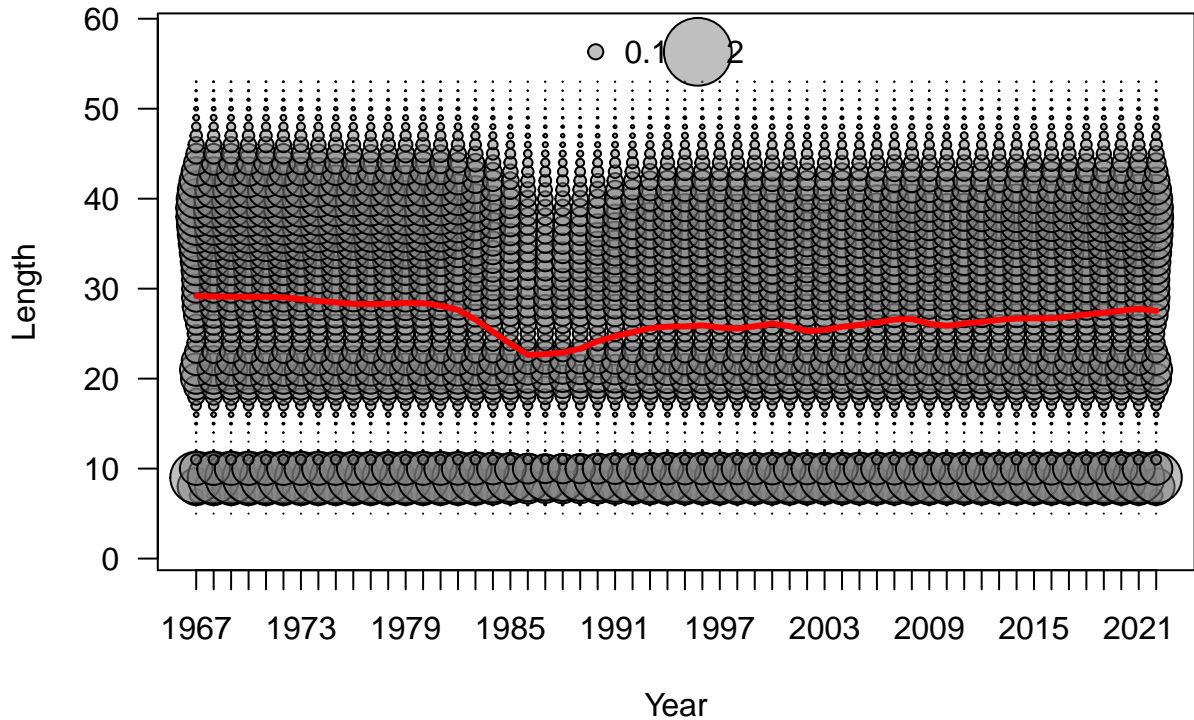
Year

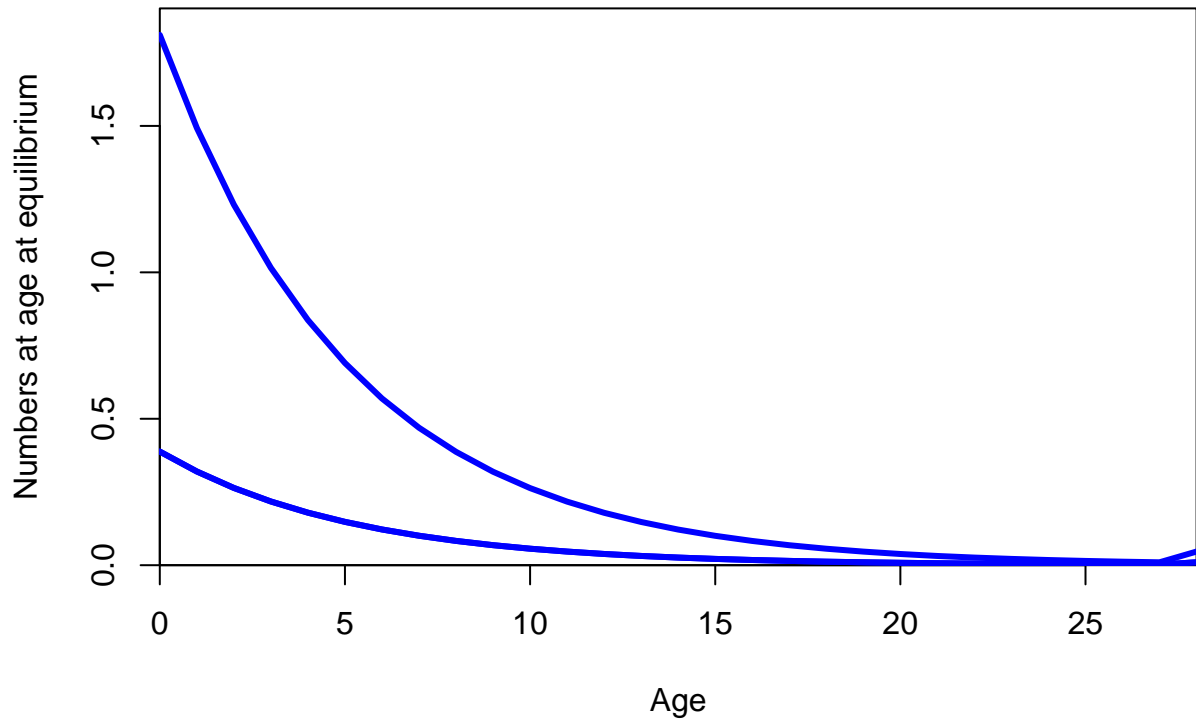


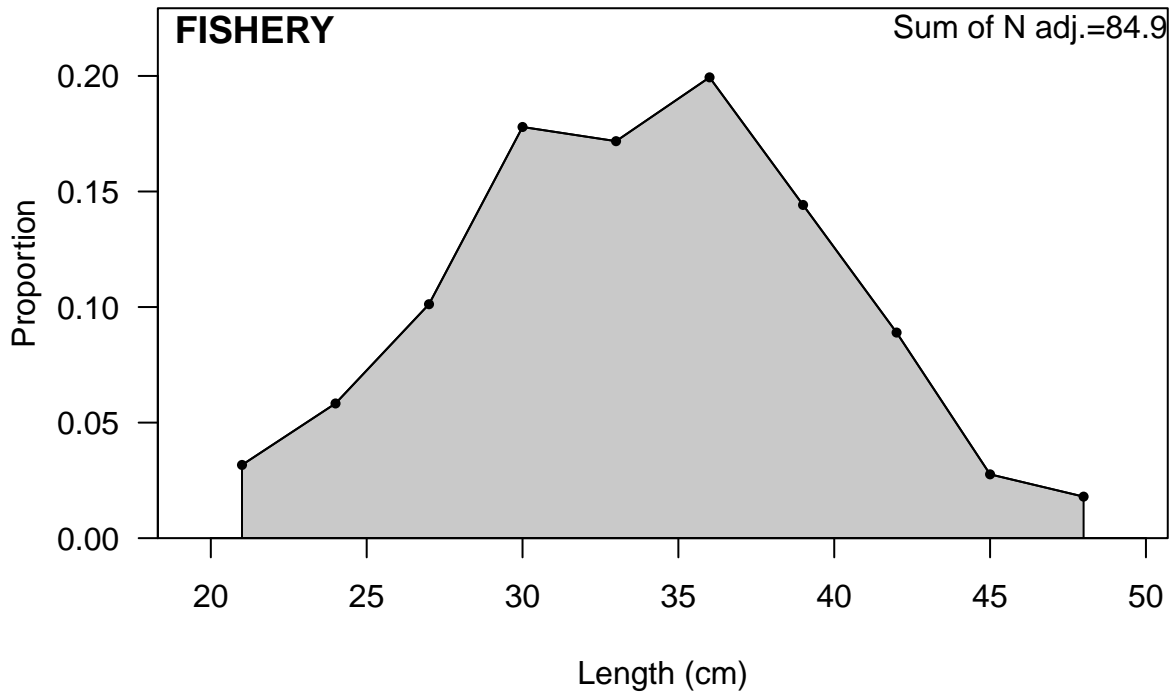




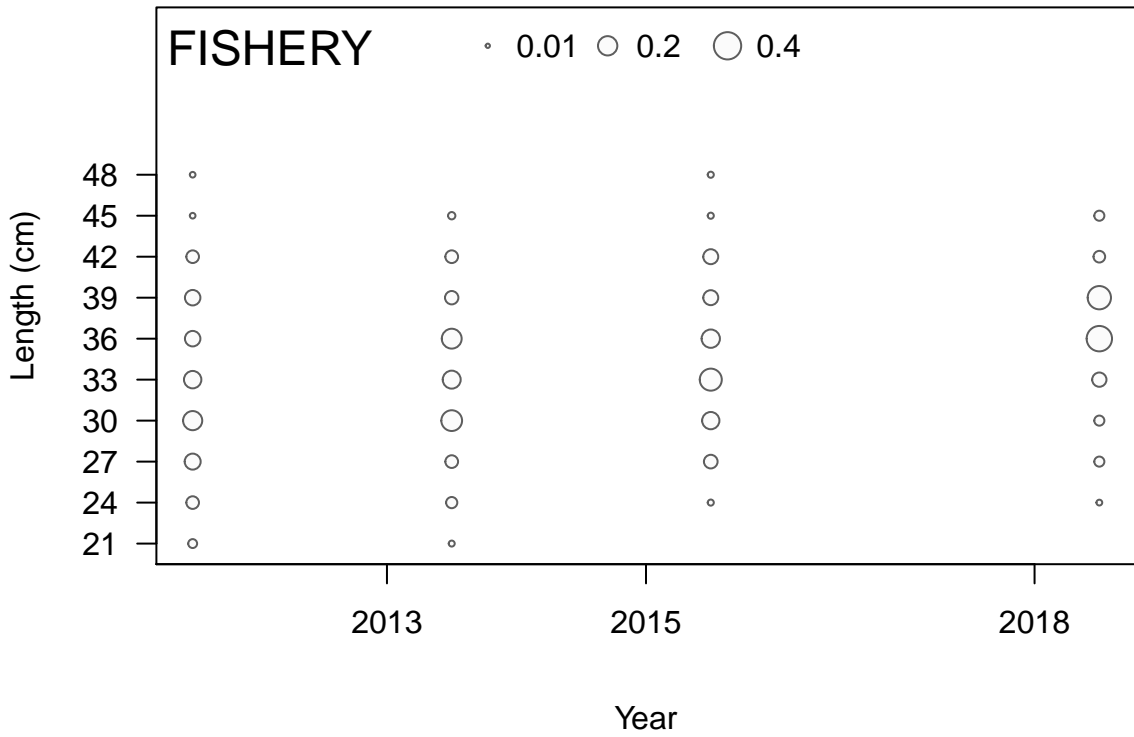




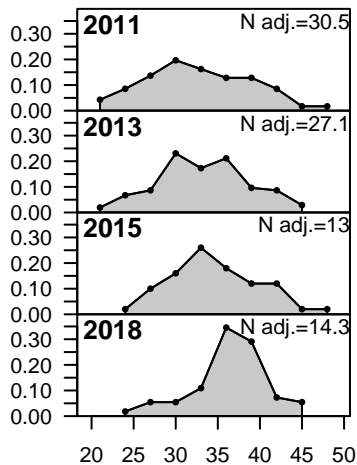




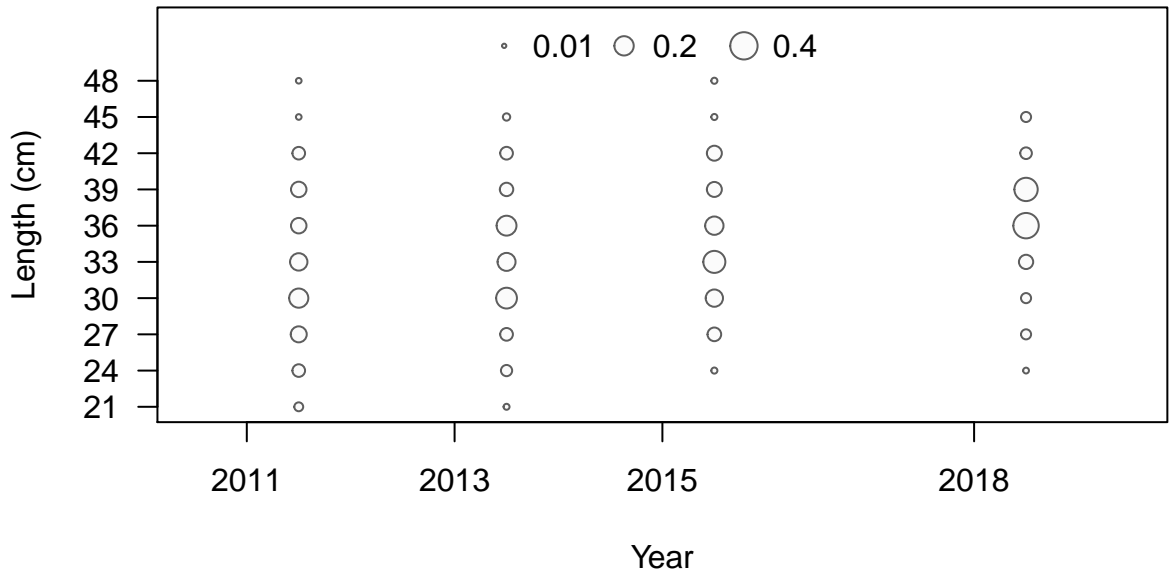




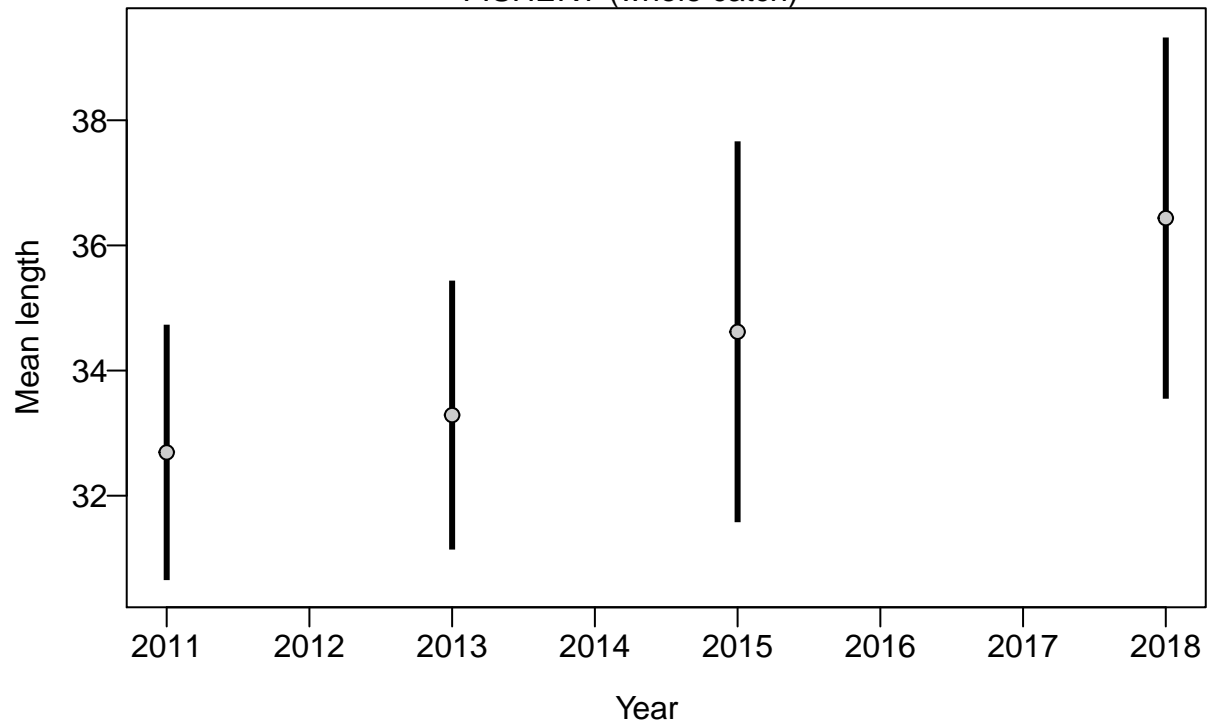
Proportion

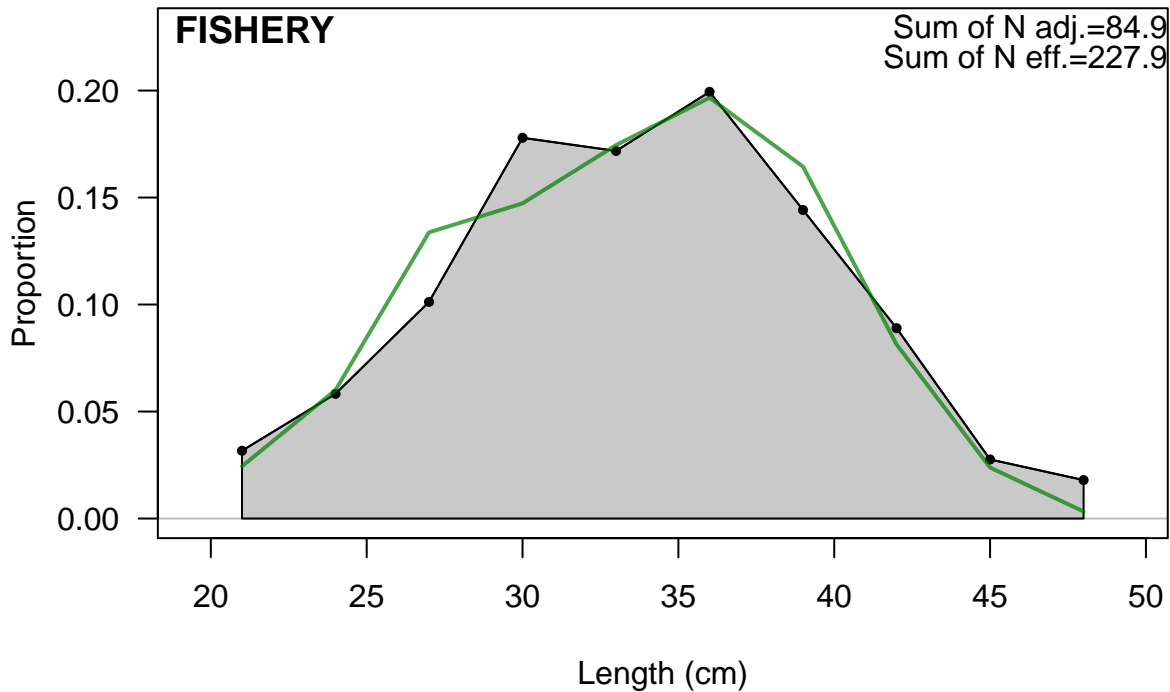


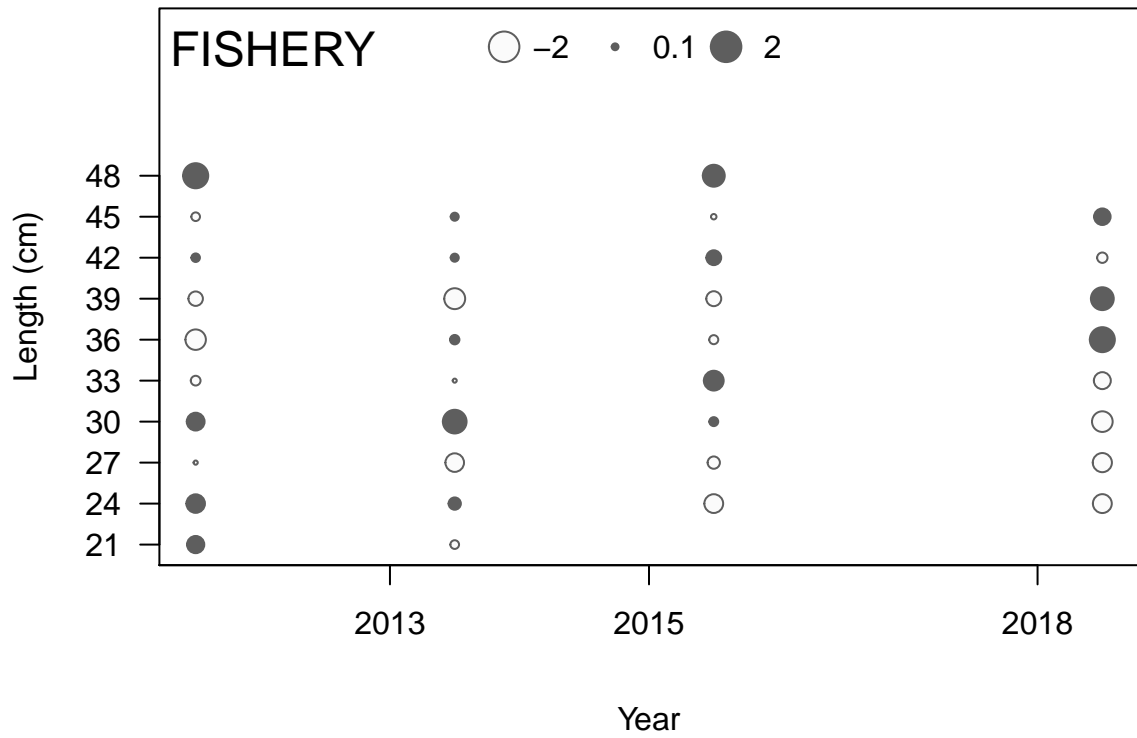
Length (cm)



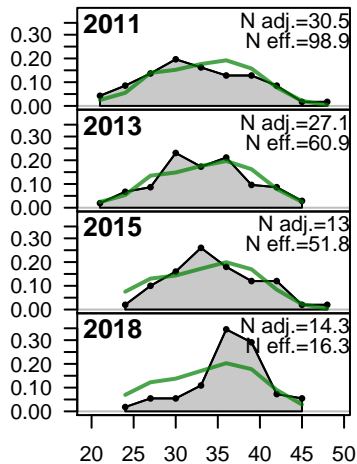
FISHERY (whole catch)



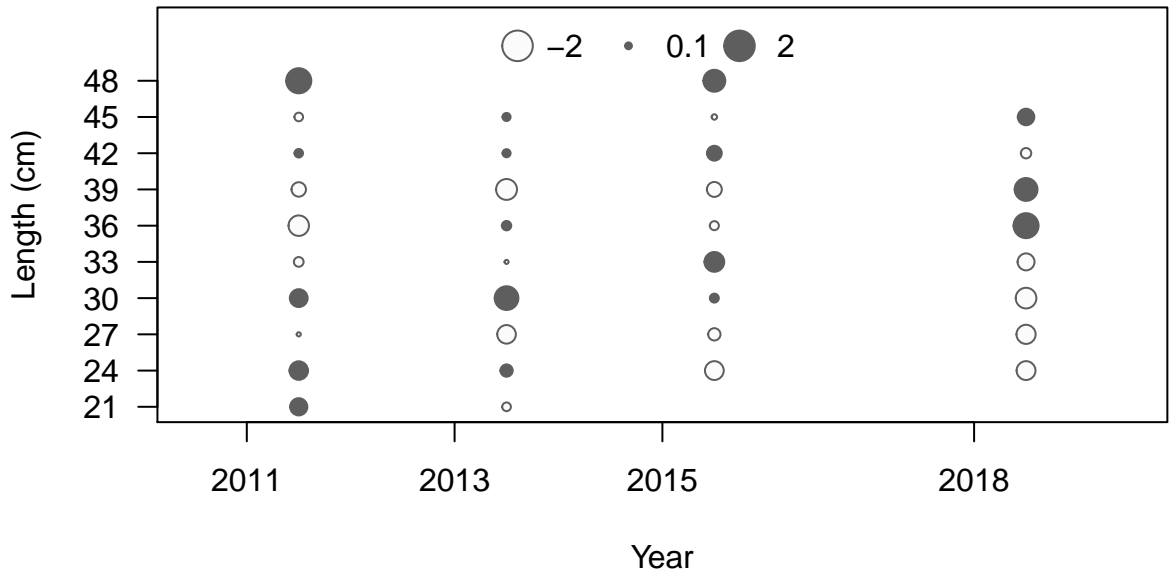




Proportion

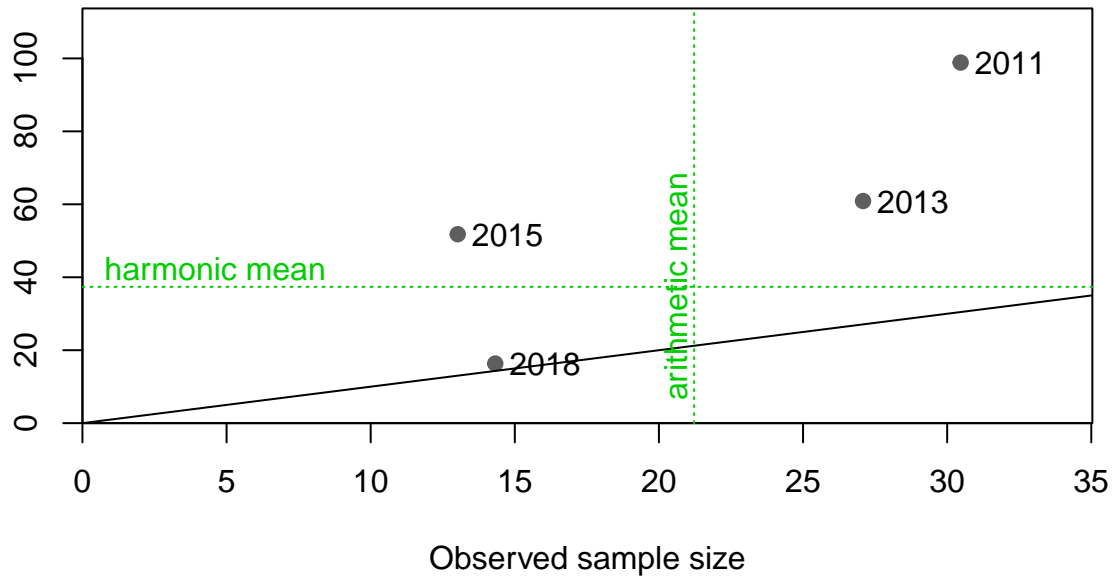


Length (cm)

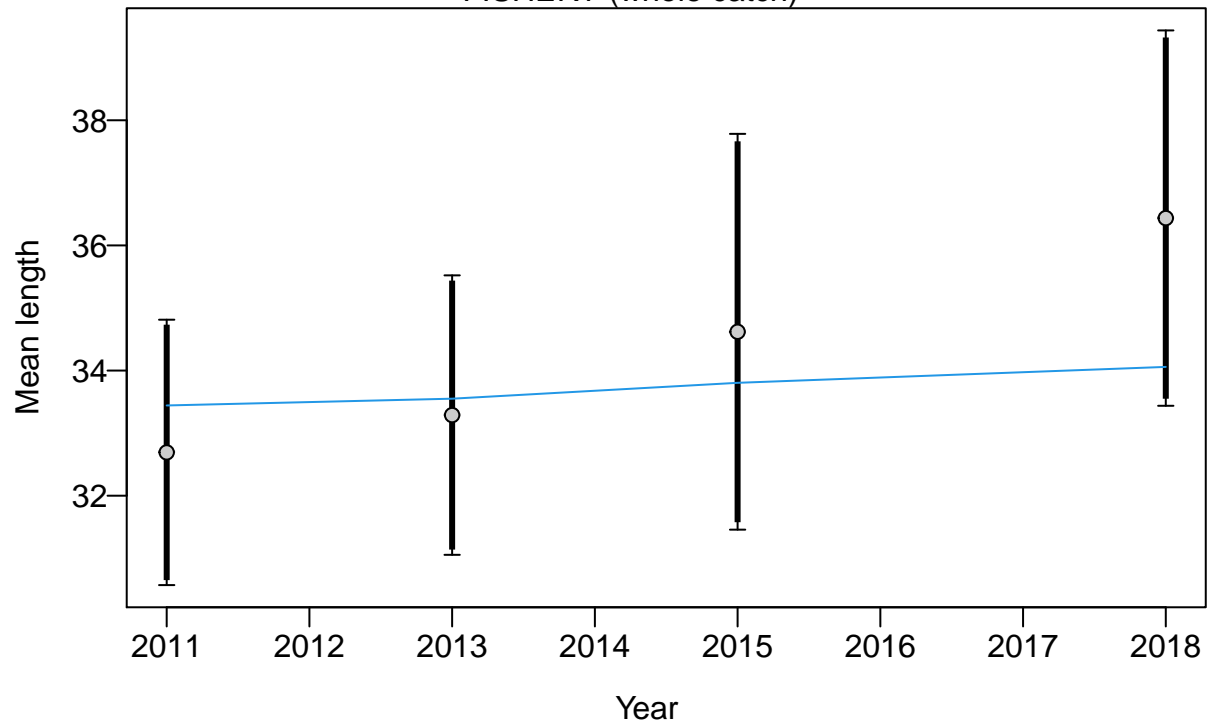


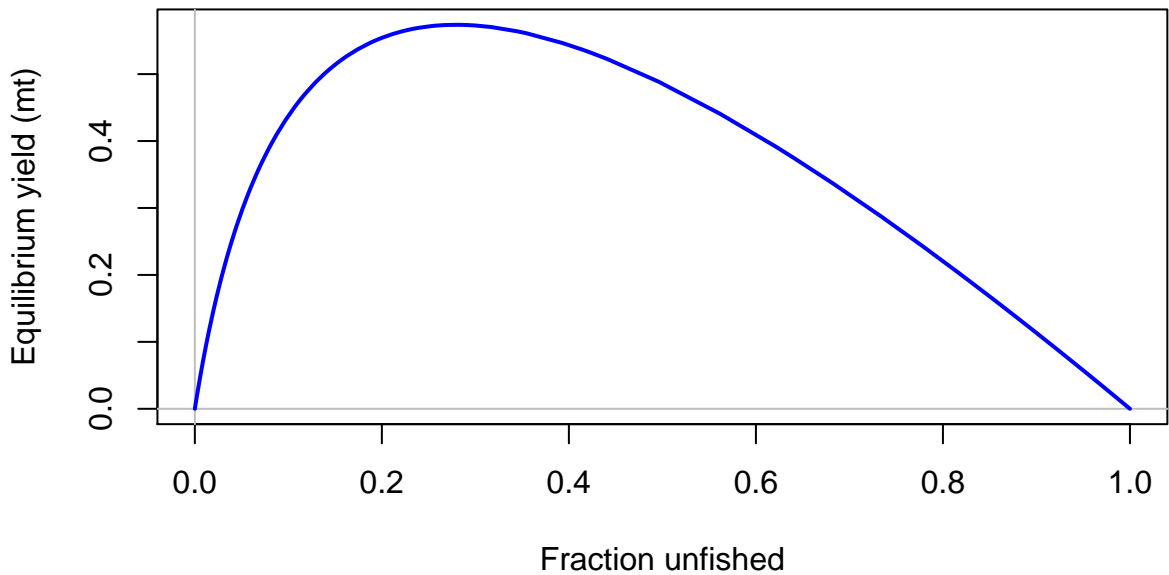


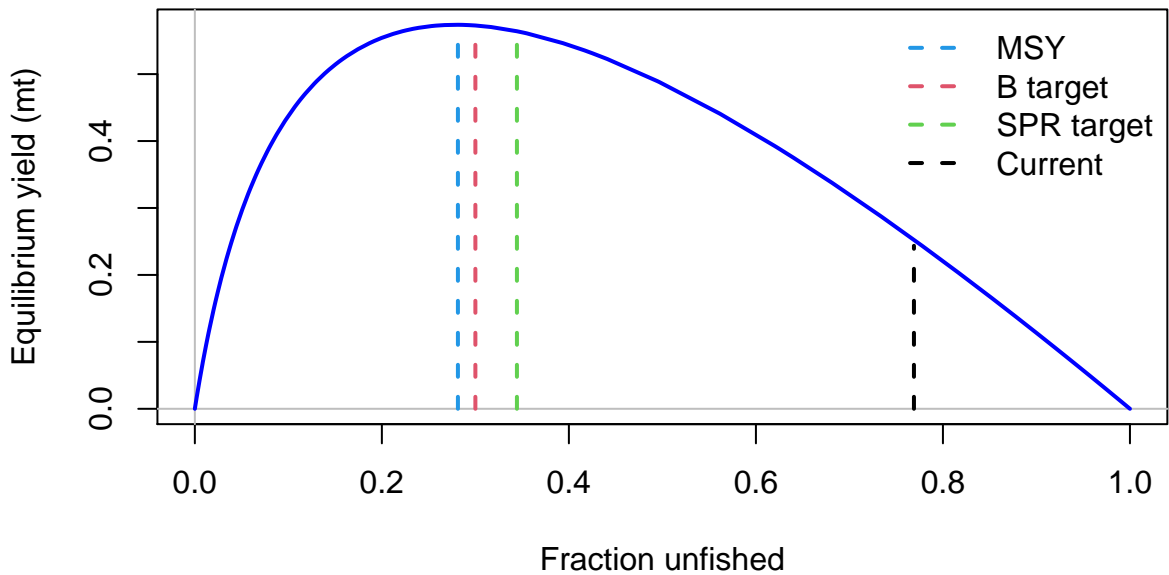
Effective sample size

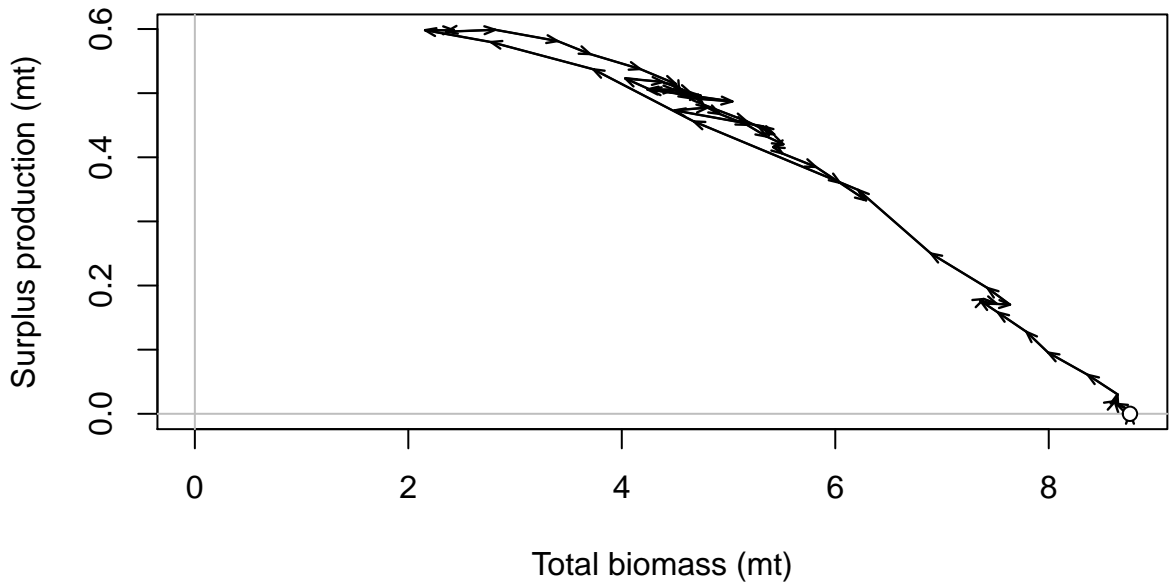


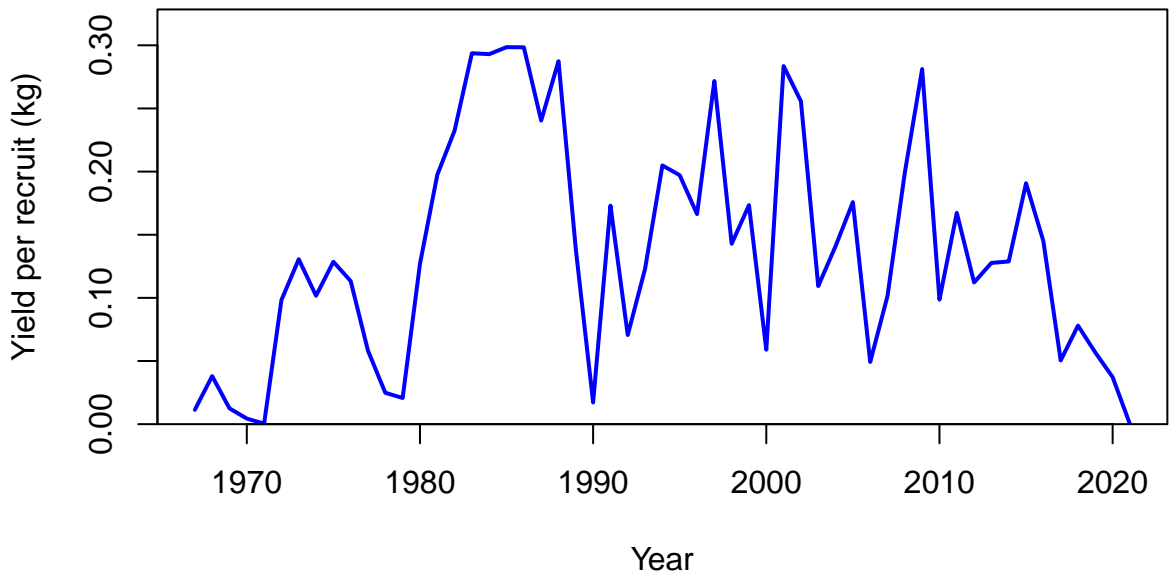
FISHERY (whole catch)

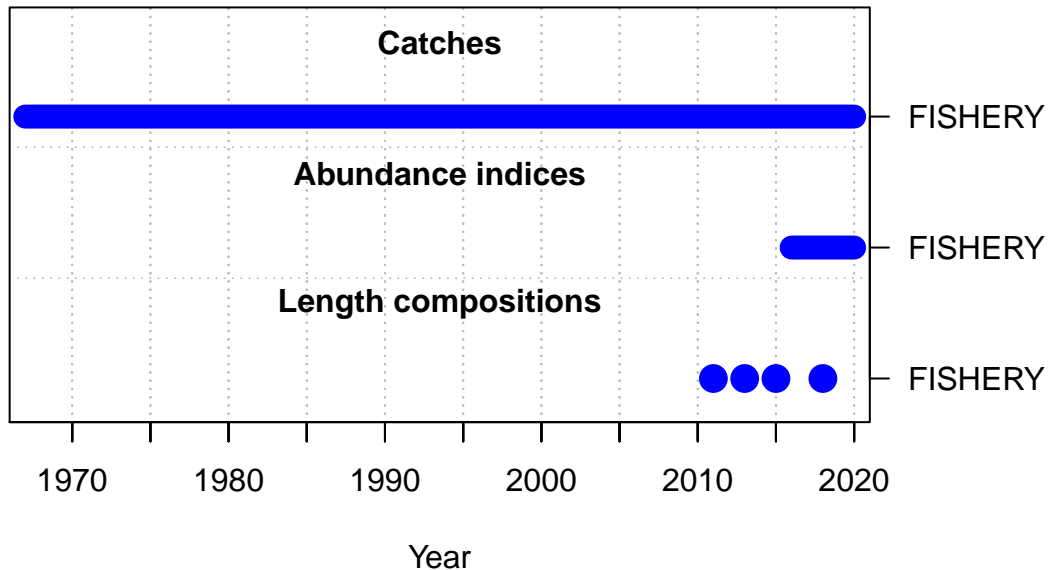


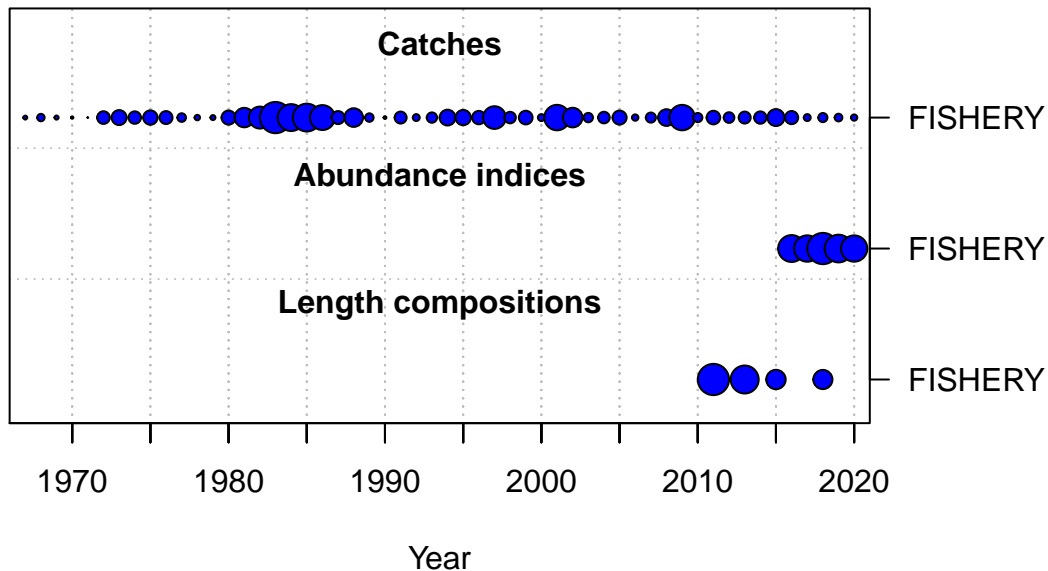






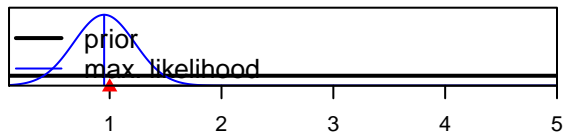




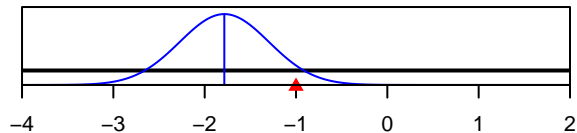




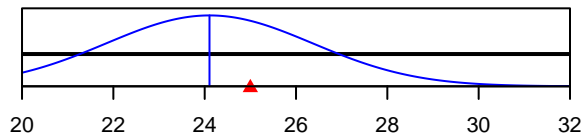
SR\_LN(R0)



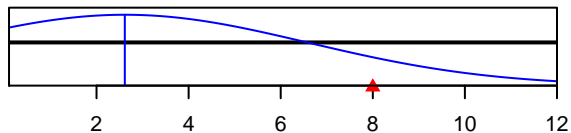
LnQ\_base\_FISHERY(1)



Size\_inflection\_FISHERY(1)



Size\_95%width\_FISHERY(1)



Parameter value