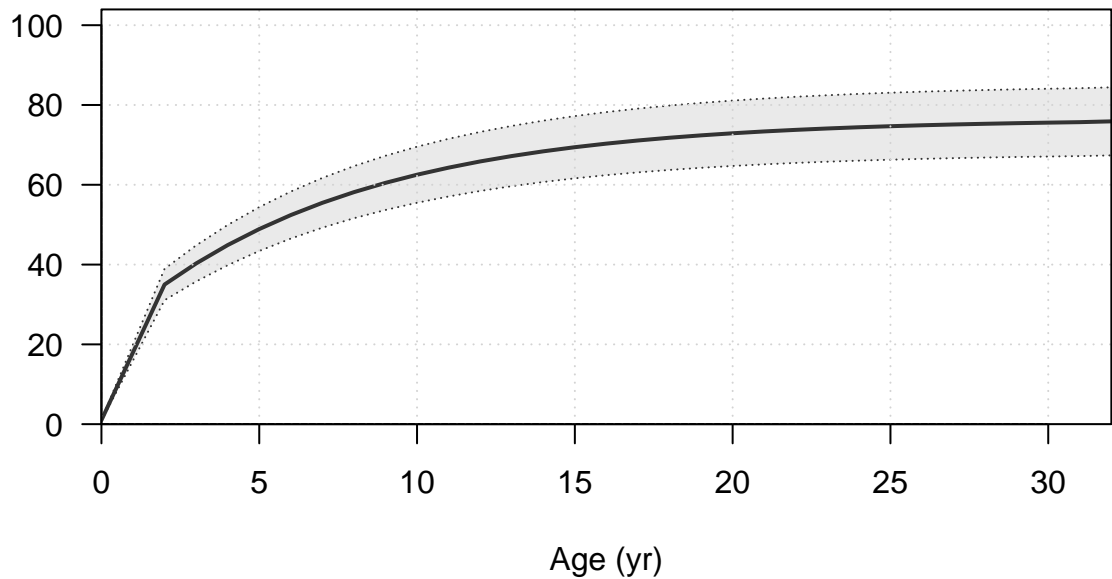
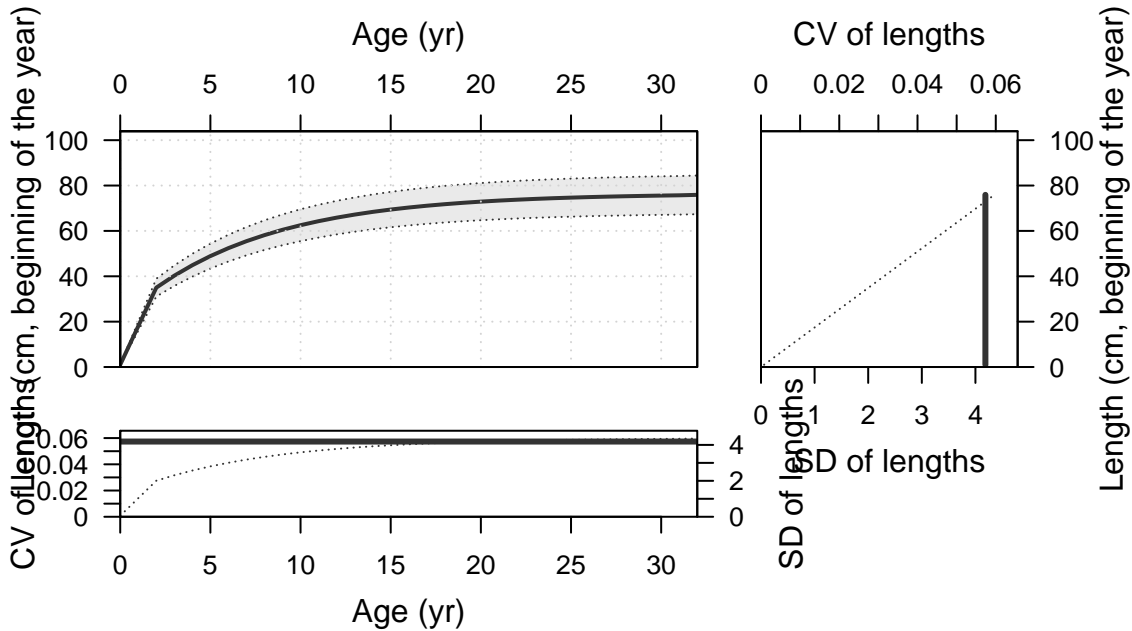
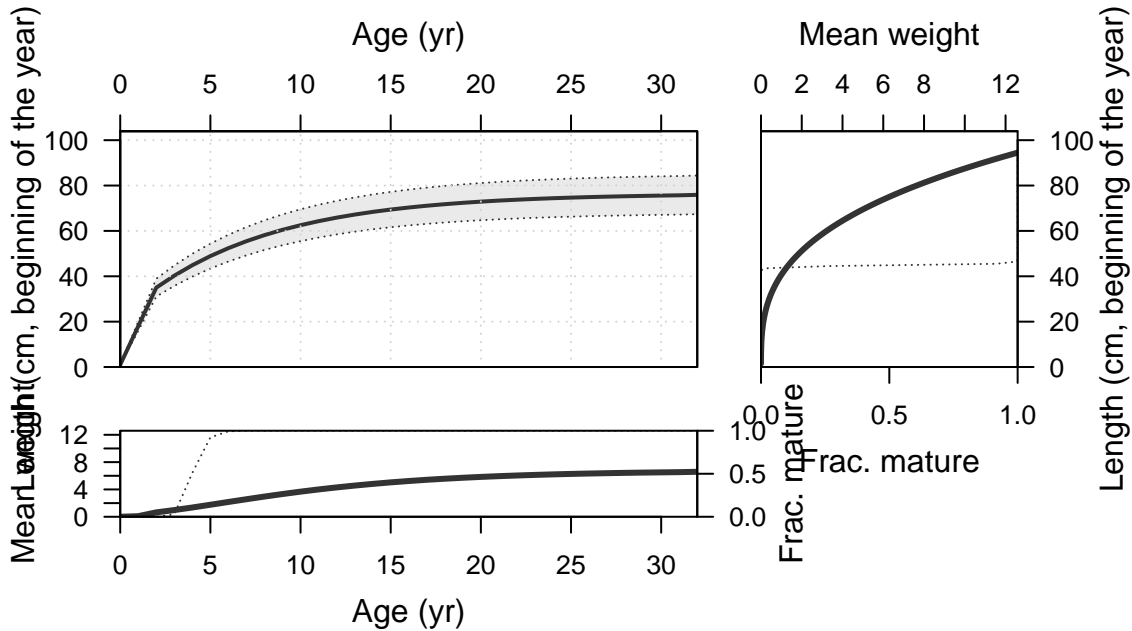


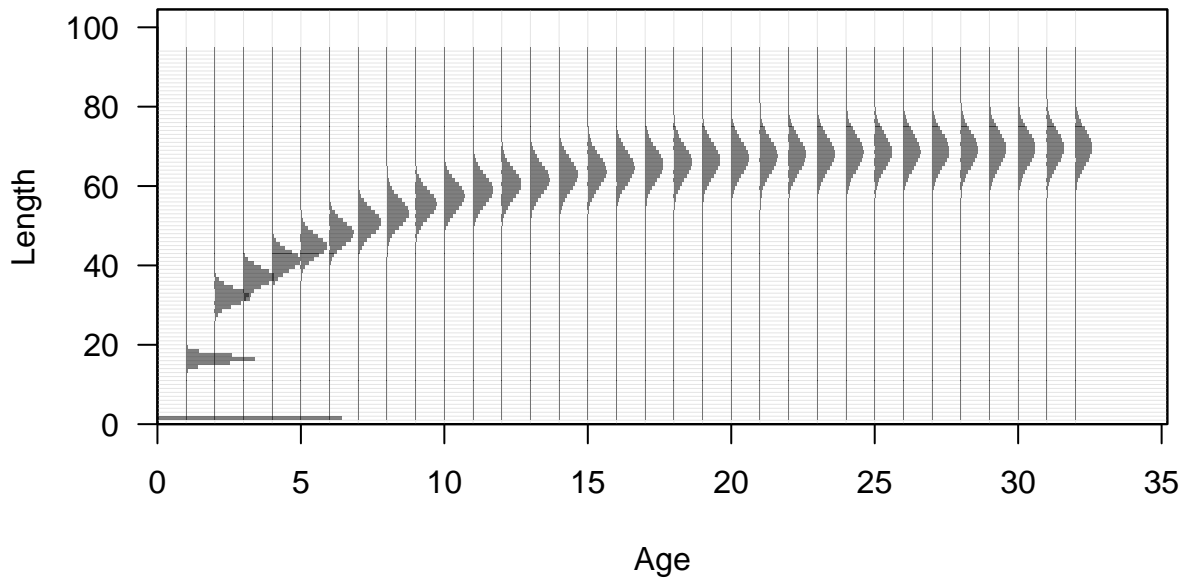
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Sun Aug 28 11:14:23 2022
Data_File: data.ss
Control_File: control.ss

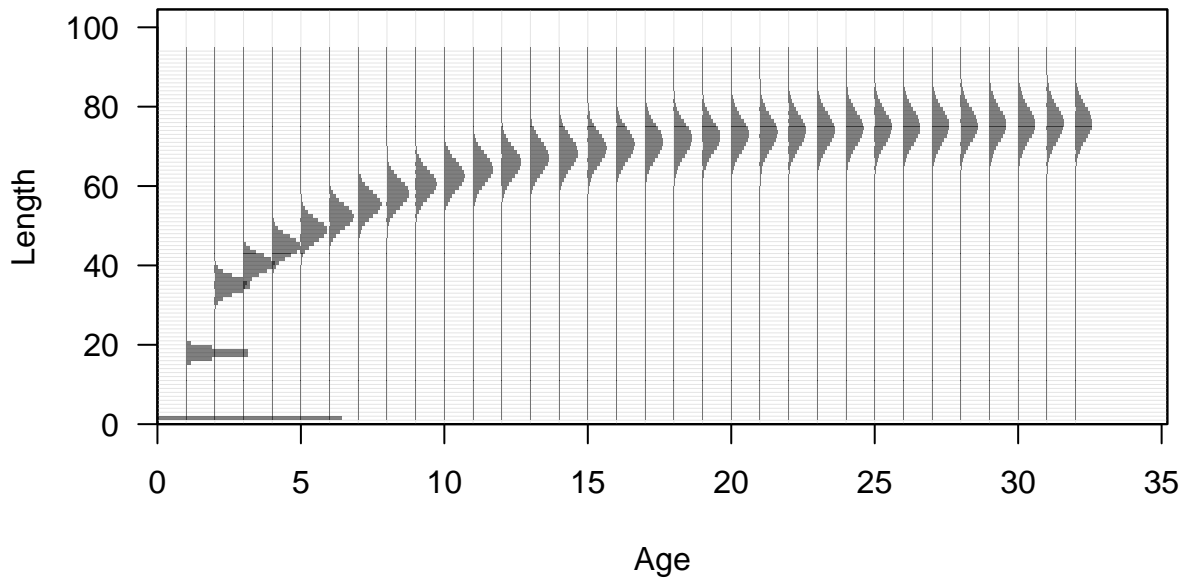
Length (cm, beginning of the year)

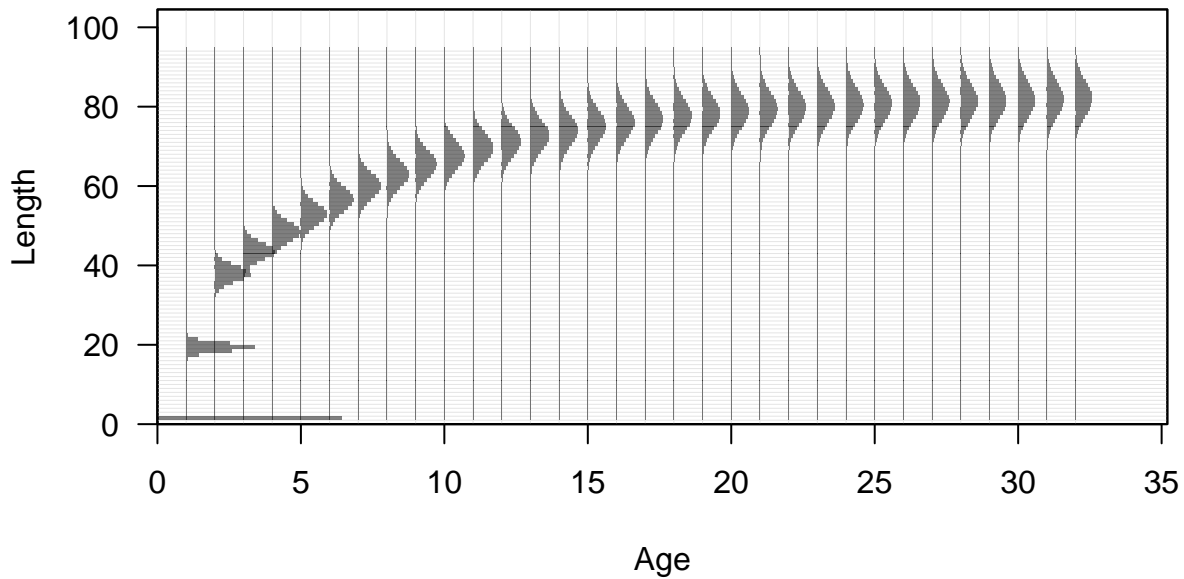


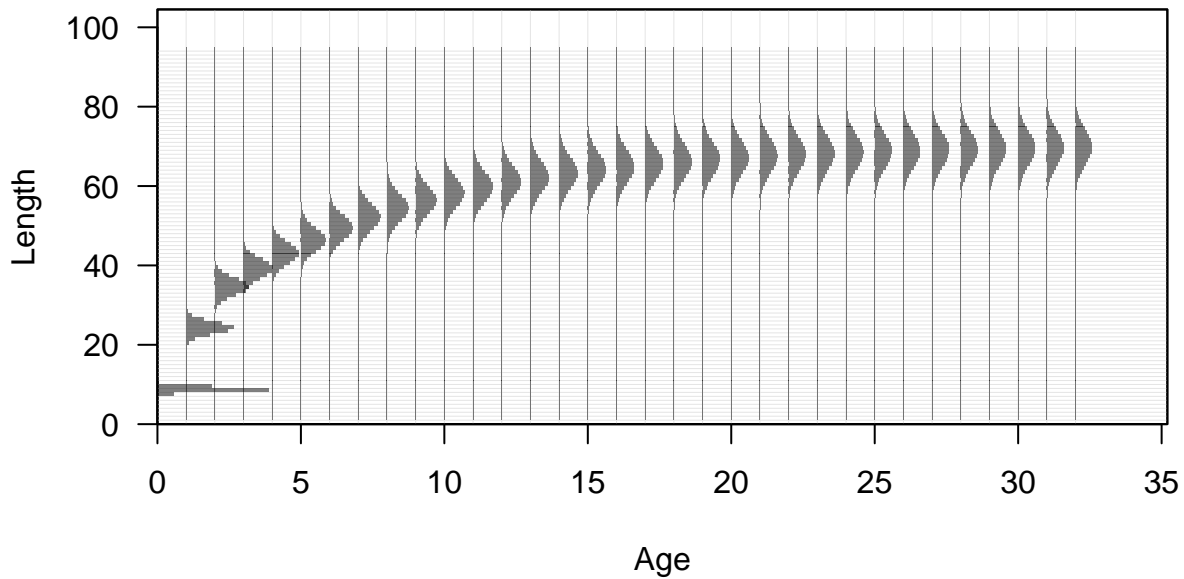


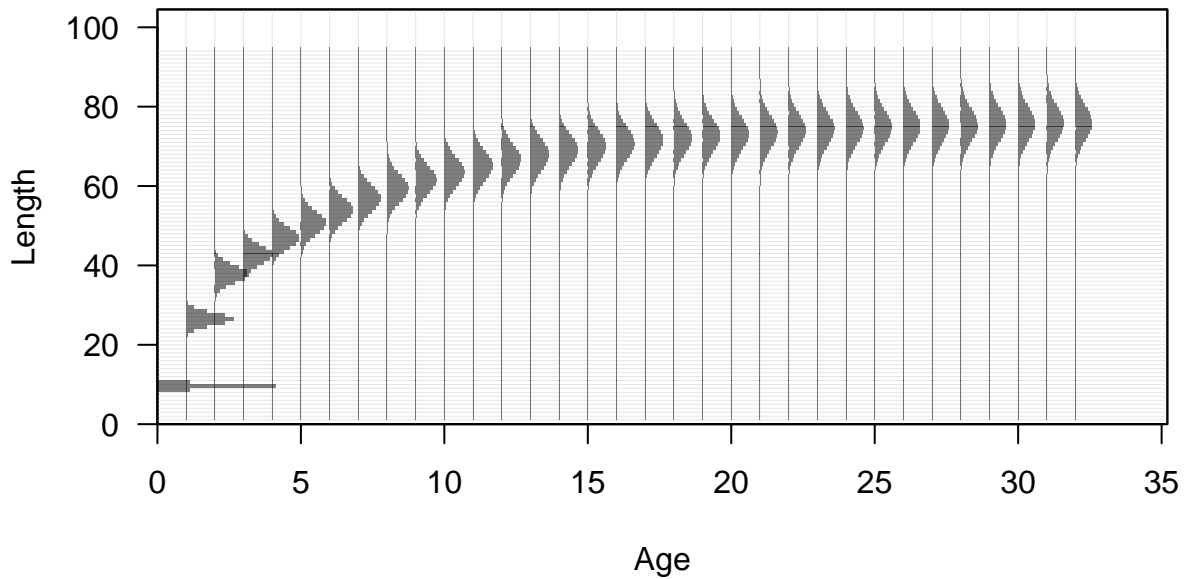


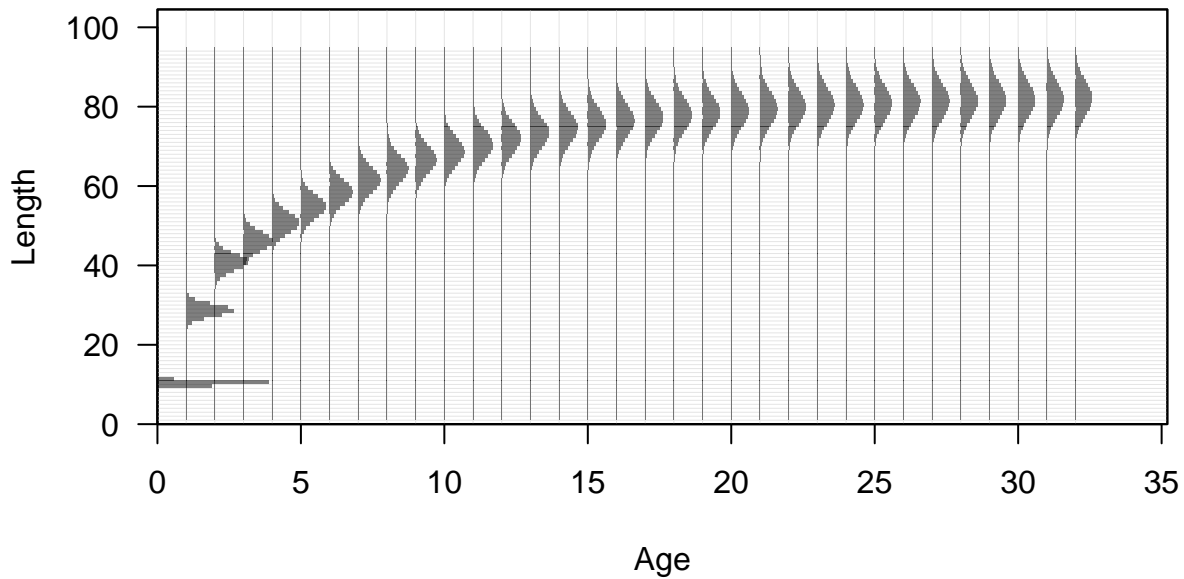


















Fecundity



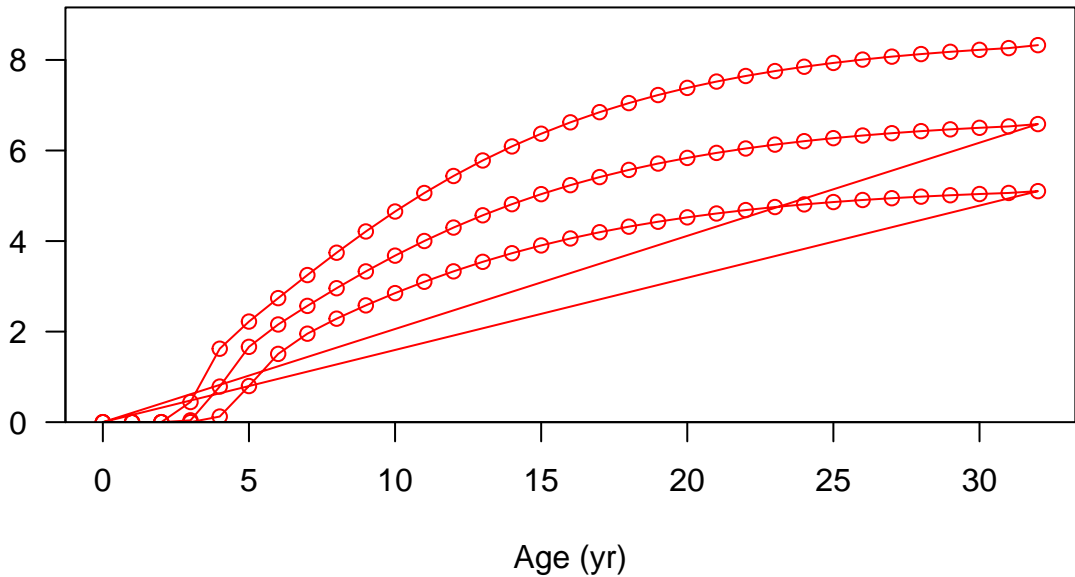
Fecundity



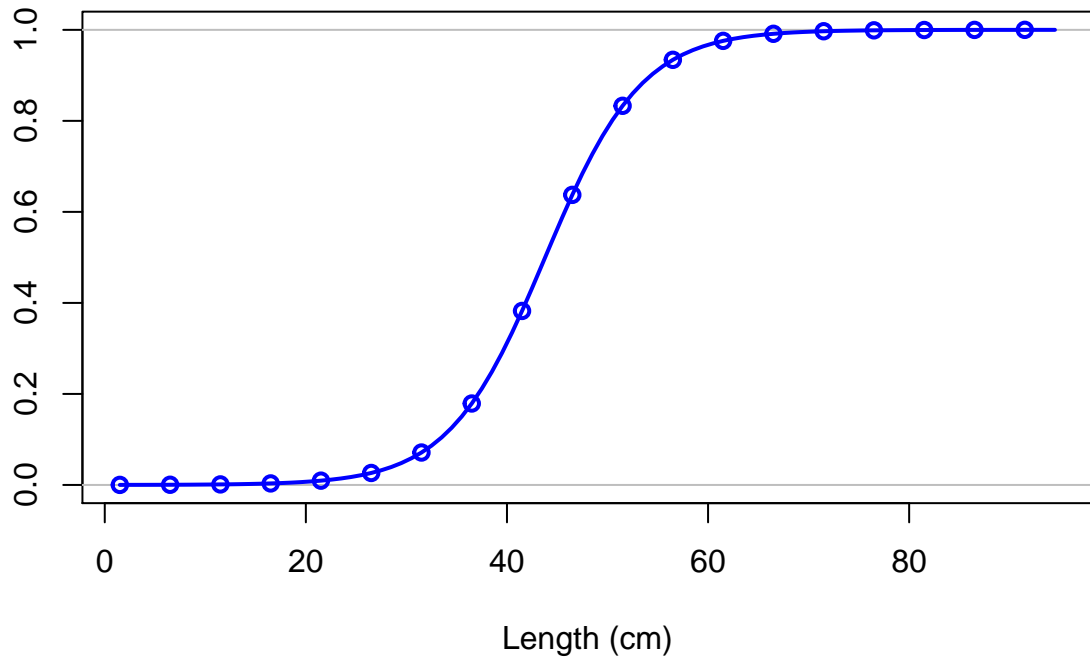
Spawning output



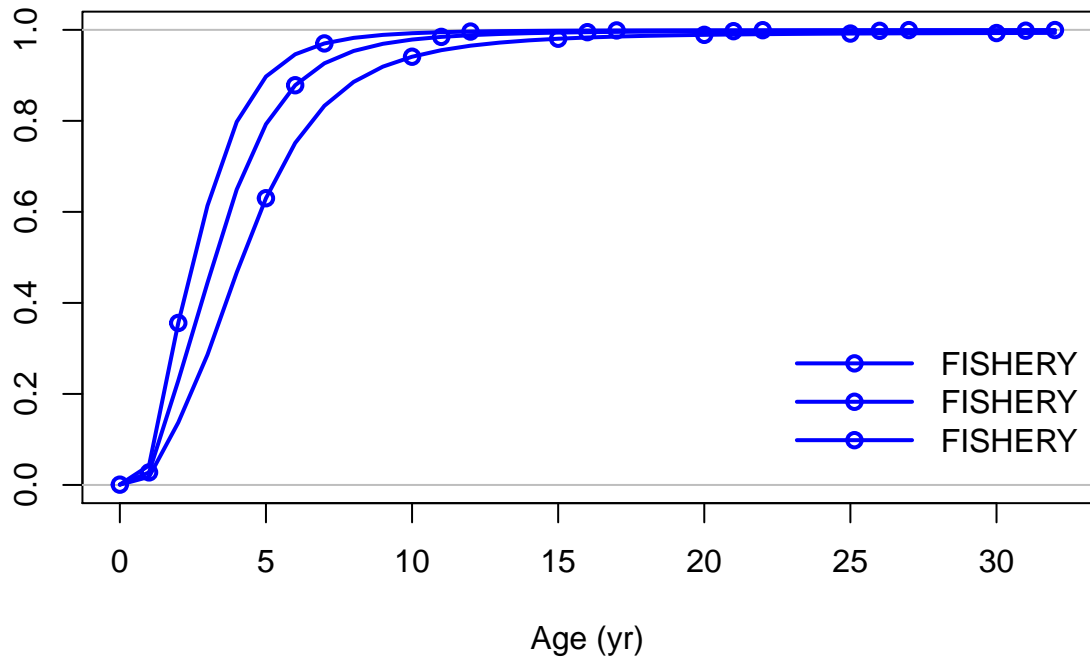
Spawning output



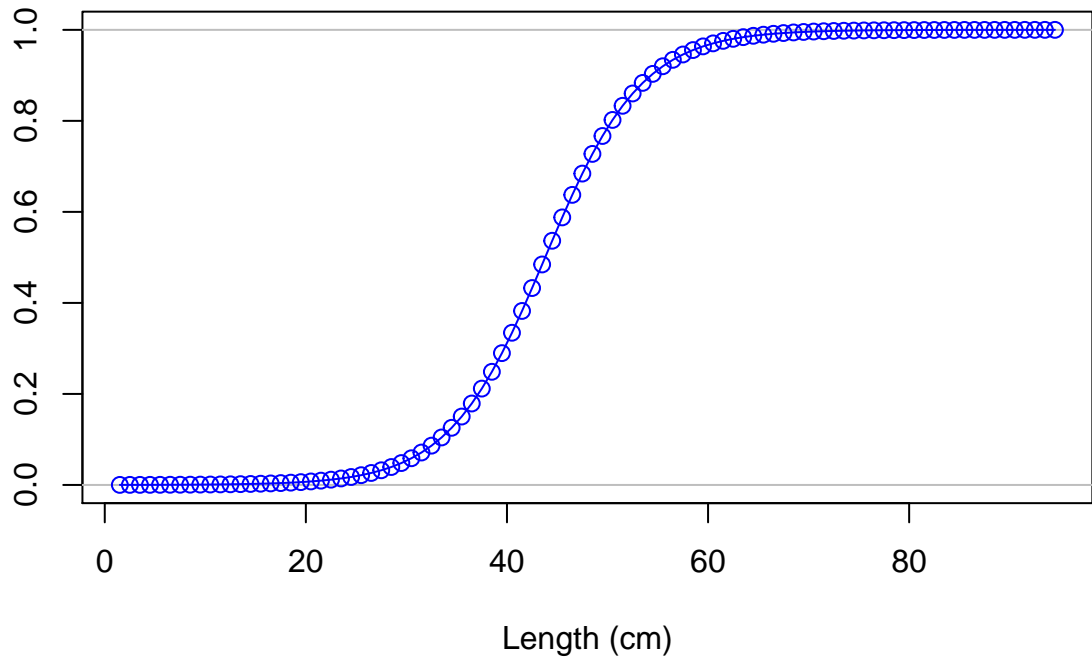
Selectivity

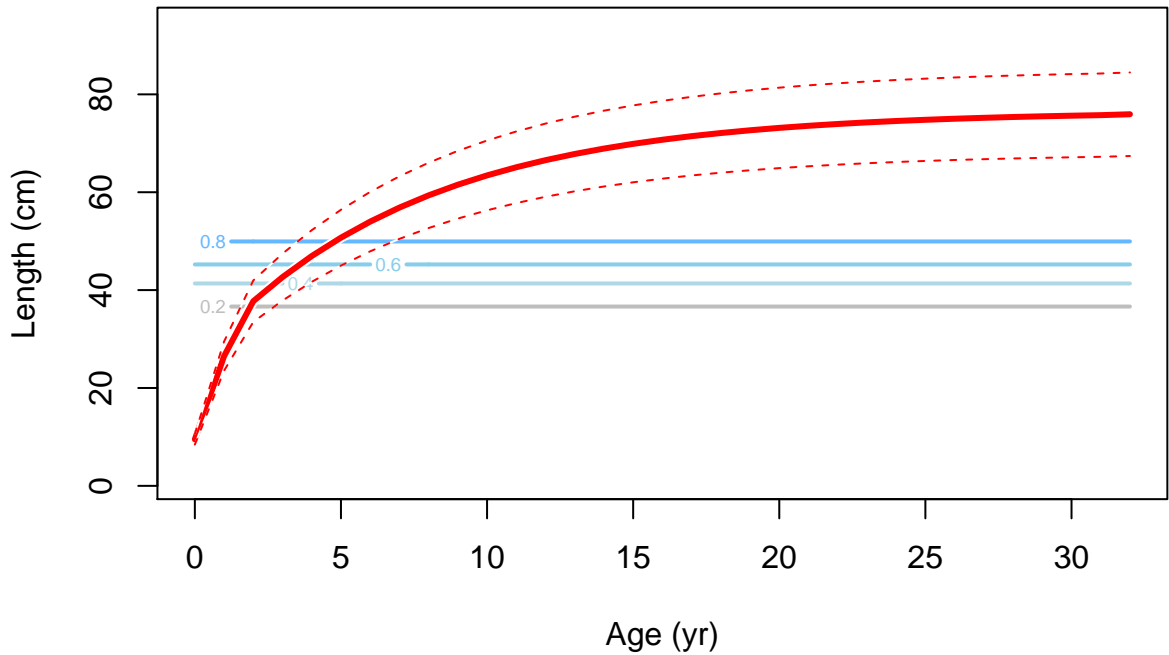


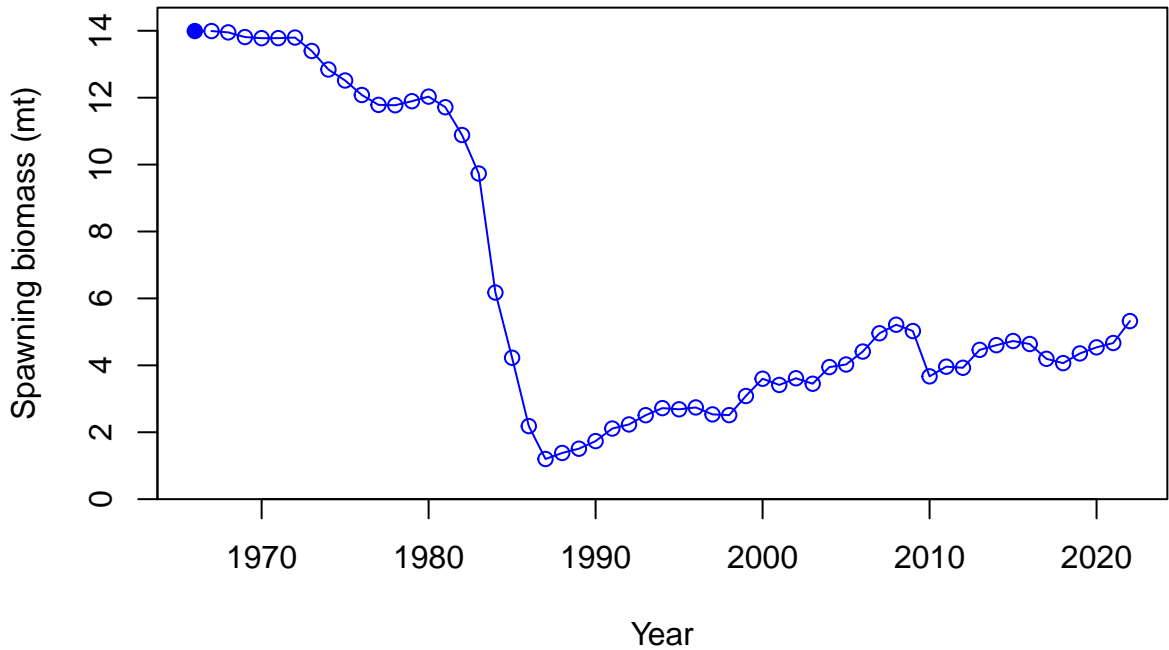
Selectivity



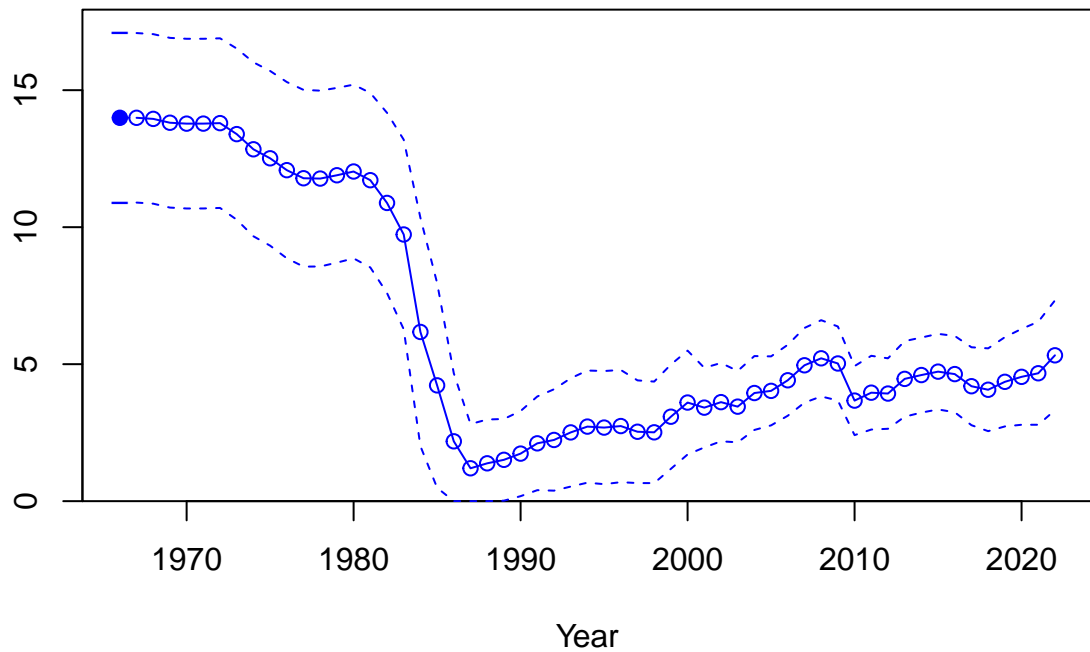
Selectivity



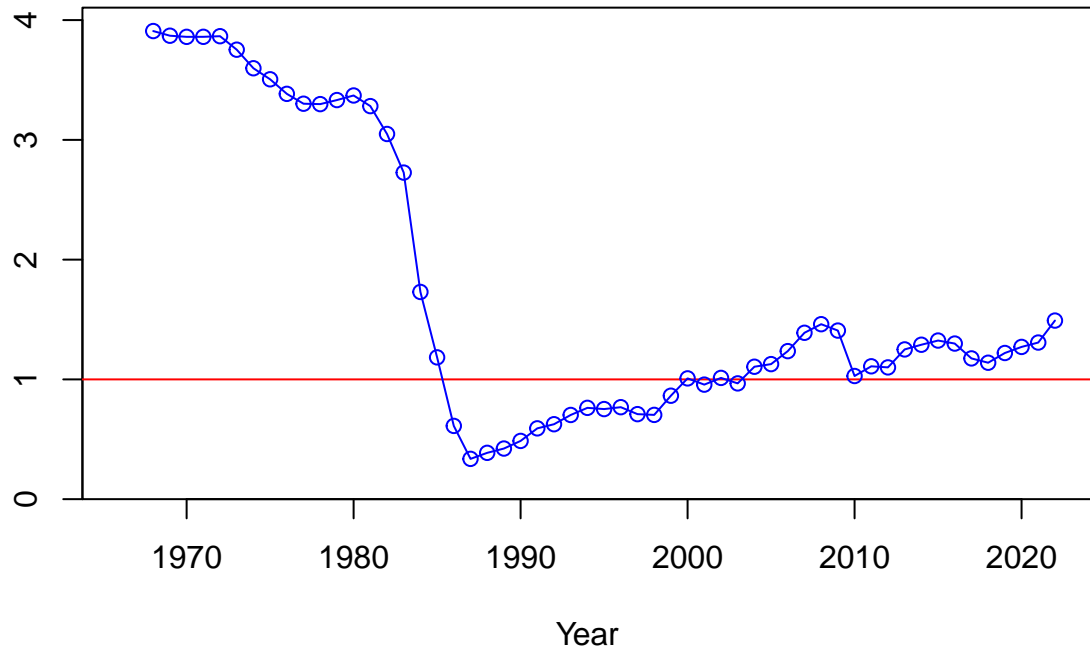




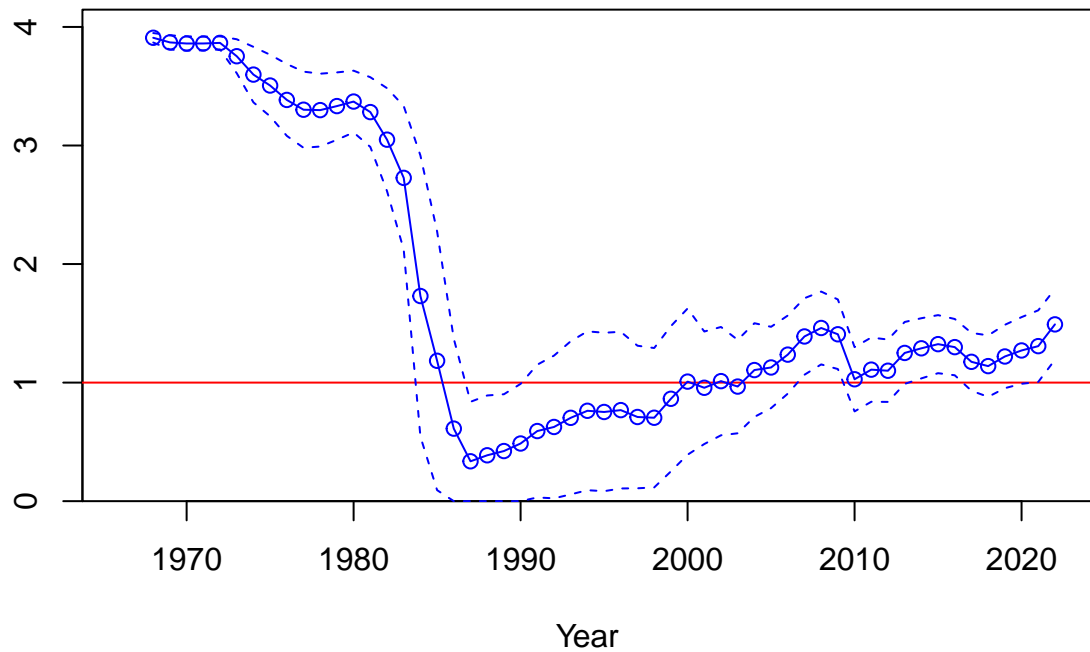
Spawning biomass (mt)

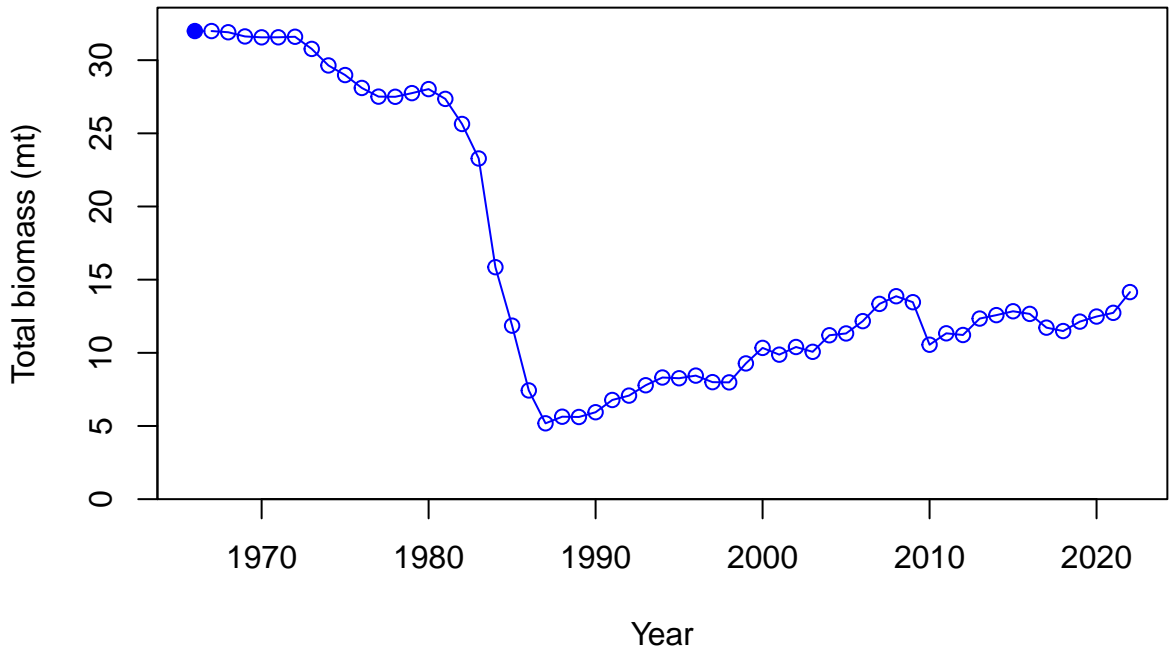


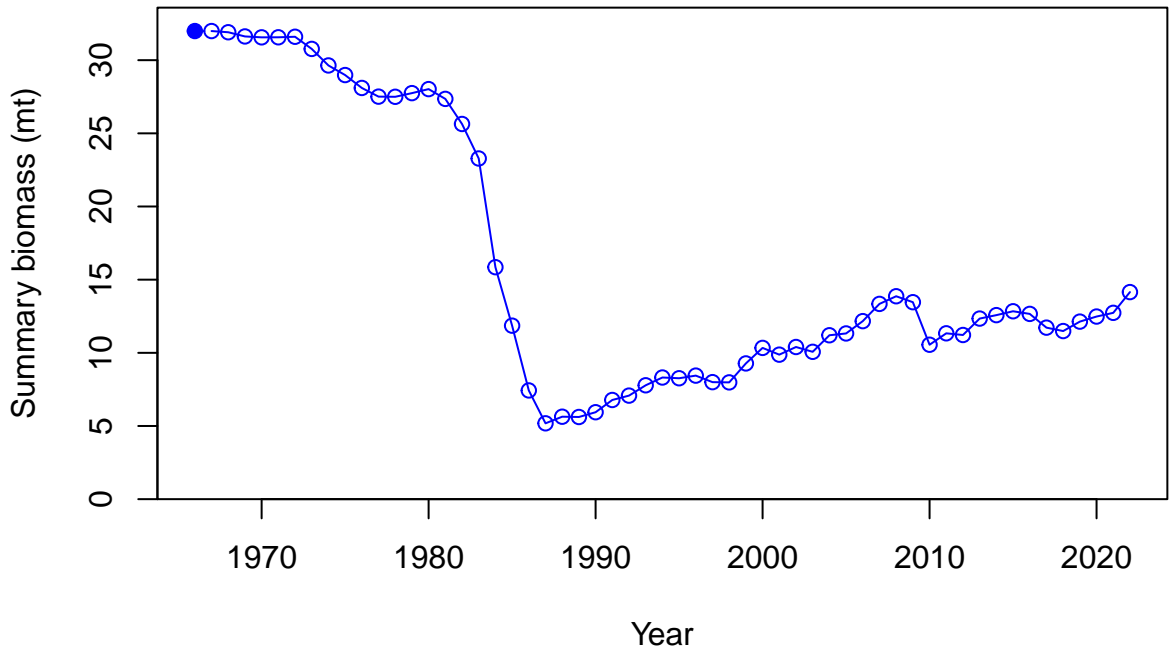
Relative spawning biomass: B/B_{MSY}

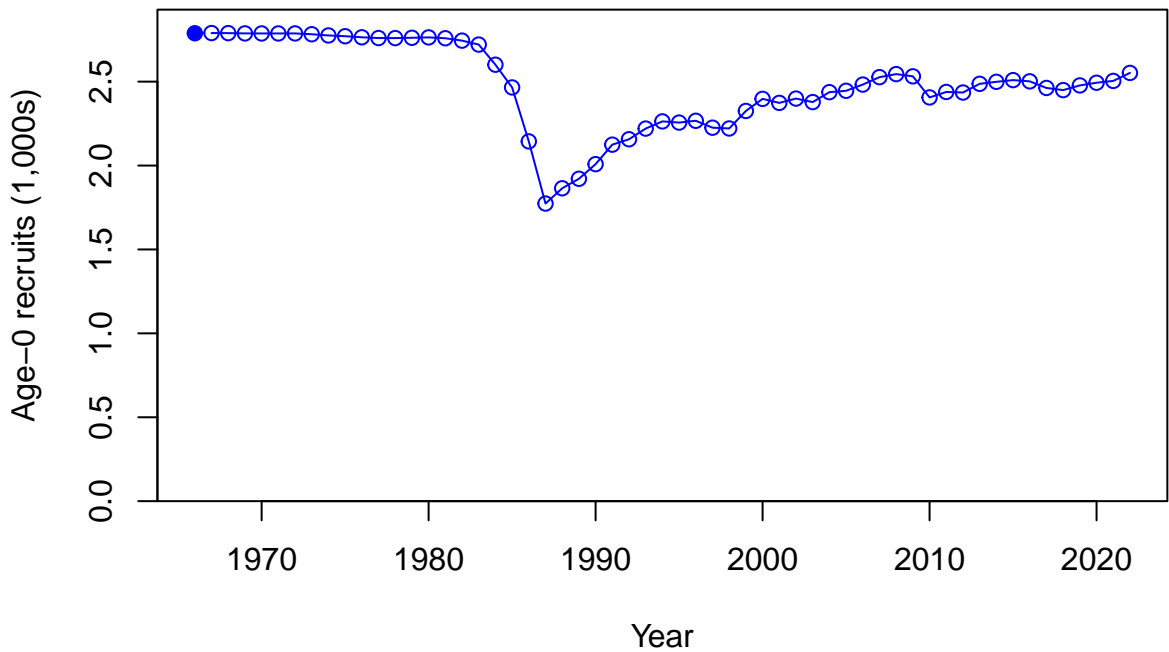


Relative spawning biomass: B/B_{MSY}

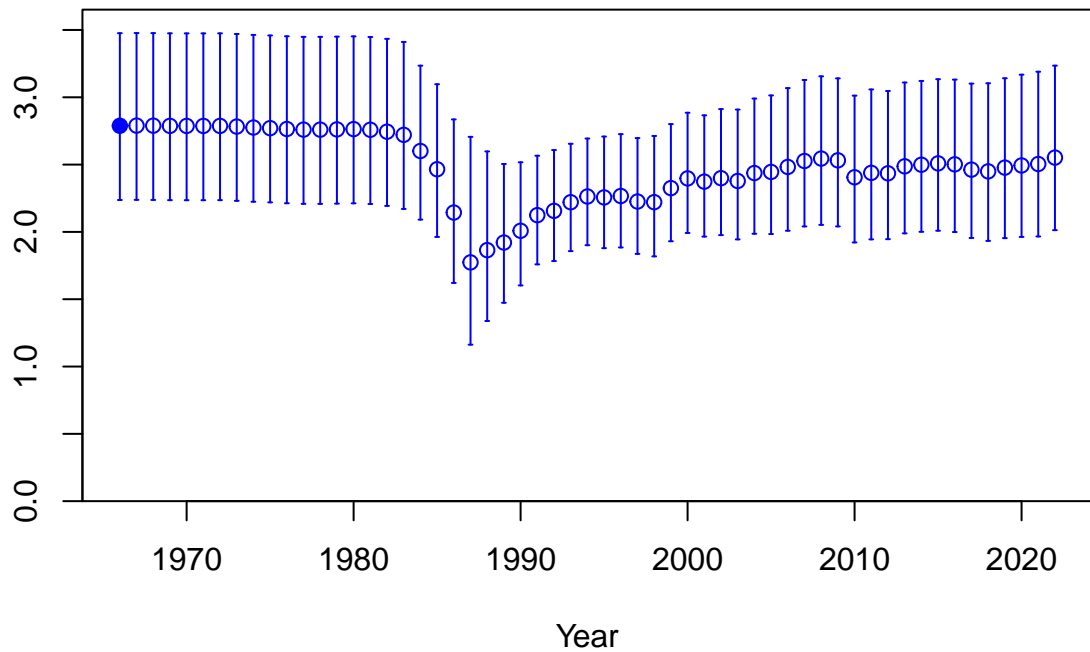




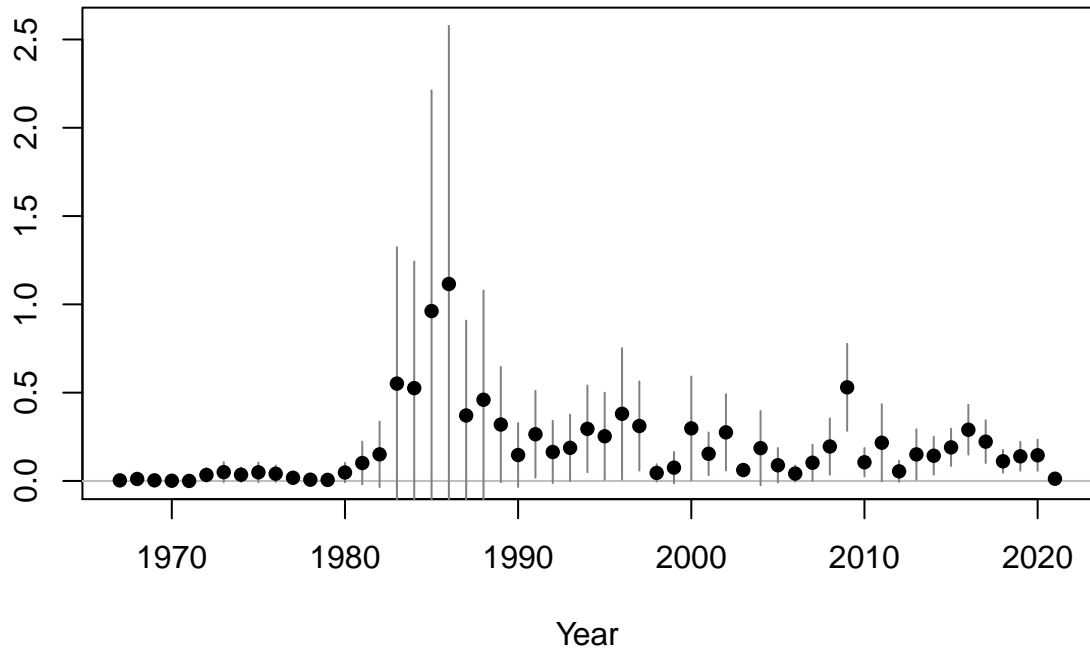


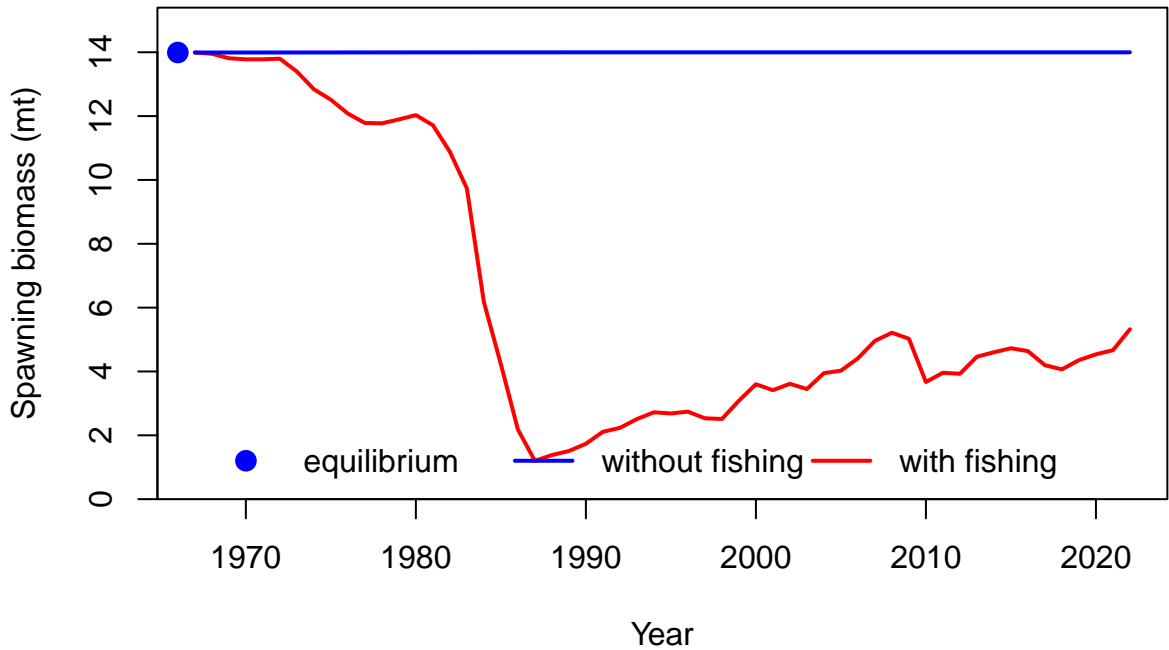


Age-0 recruits (1,000s)

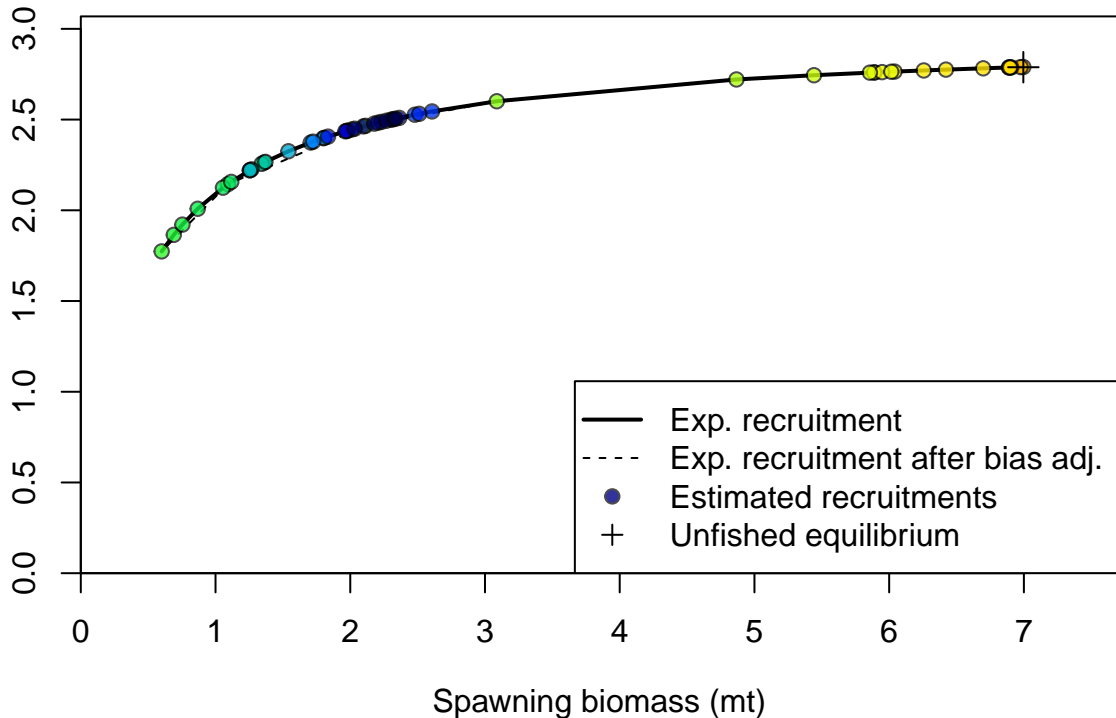


Summary Fishing Mortality

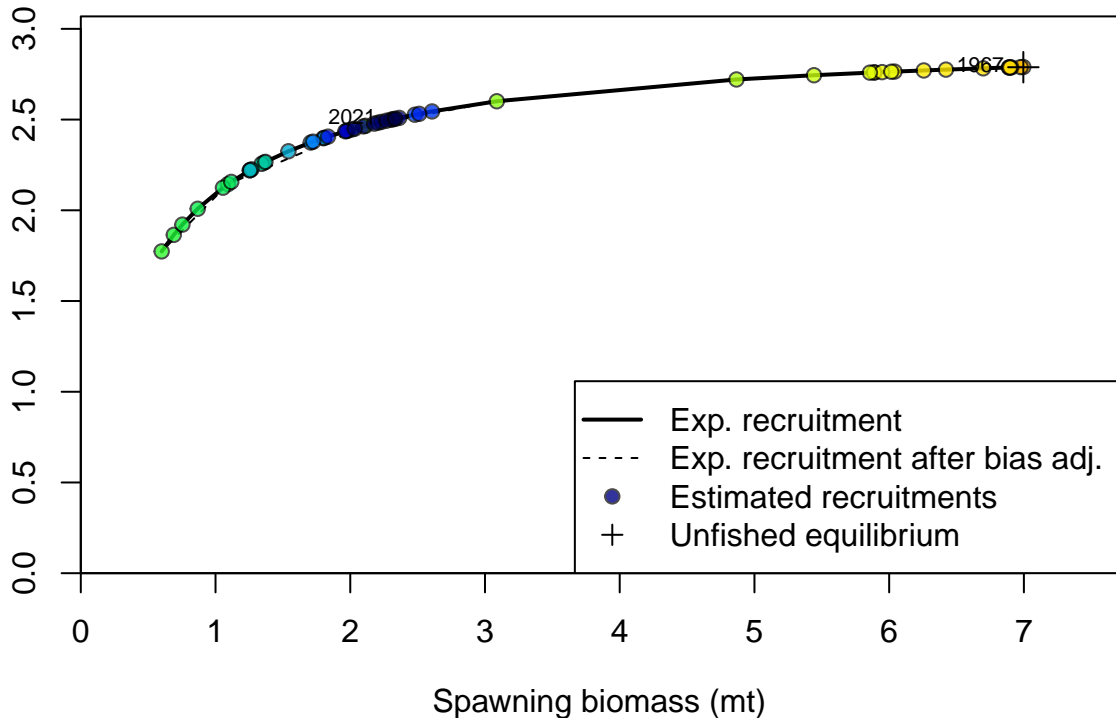


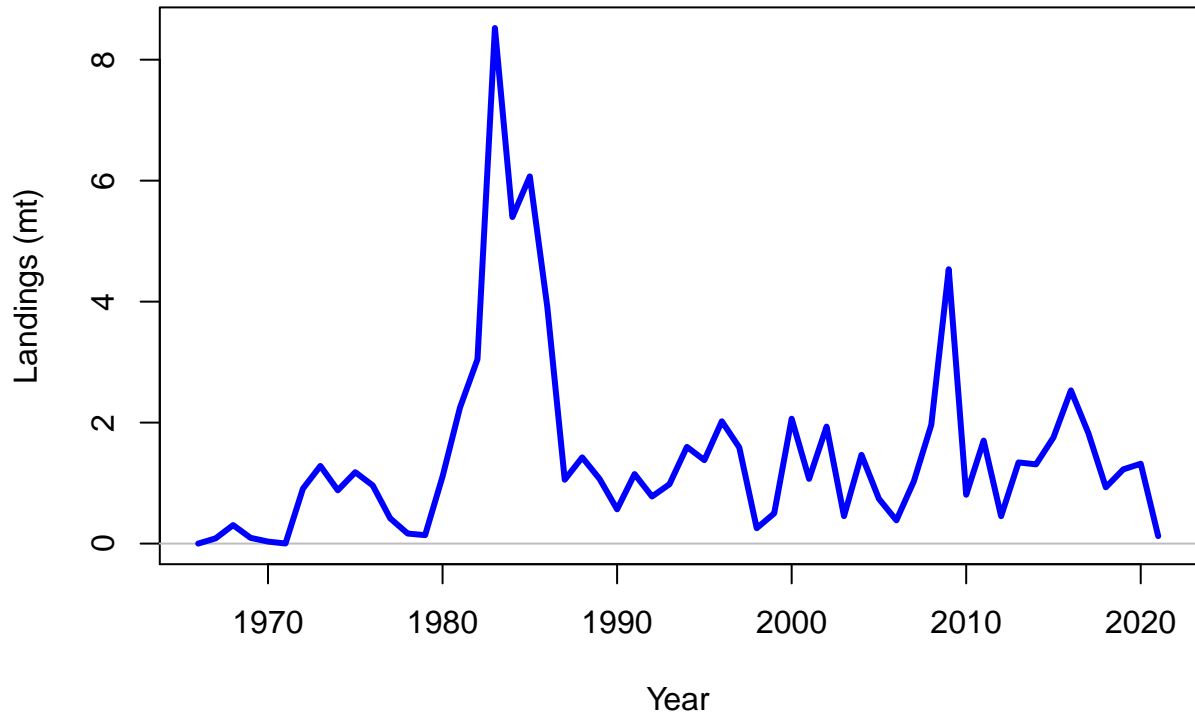


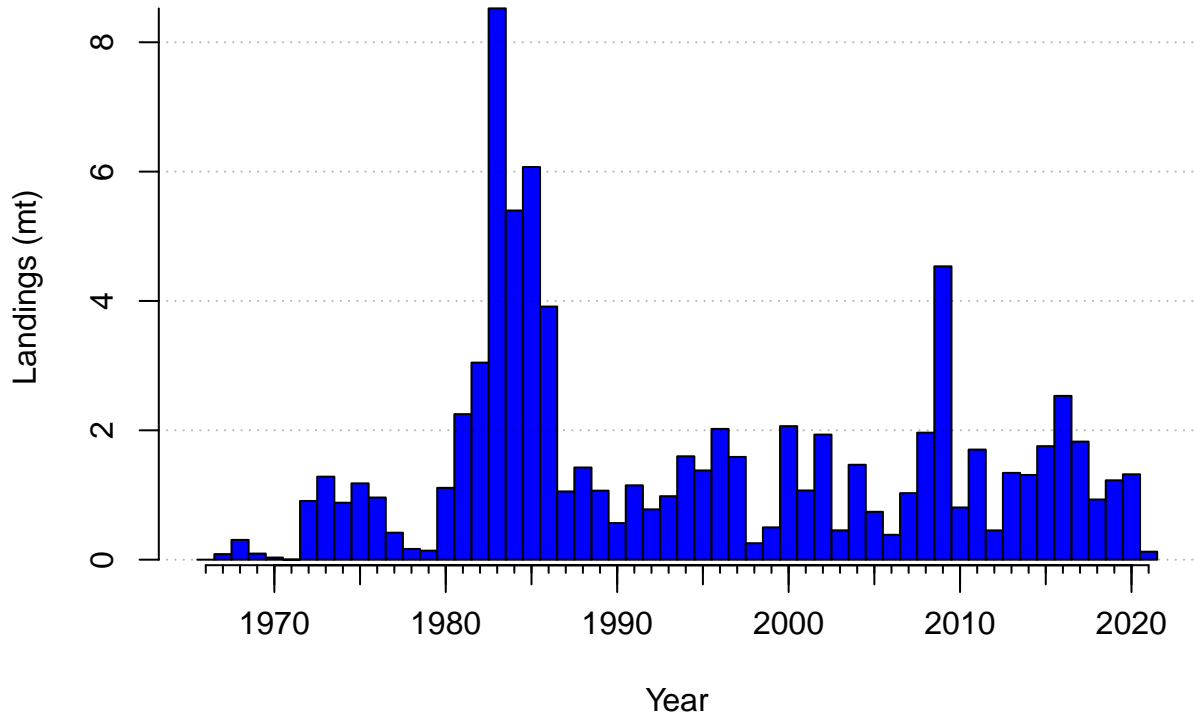
Recruitment (1,000s)



Recruitment (1,000s)







Observed and expected Landings (mt)

FISHERY
FISHERY obs.

8
6
4
2
0

1970

1980

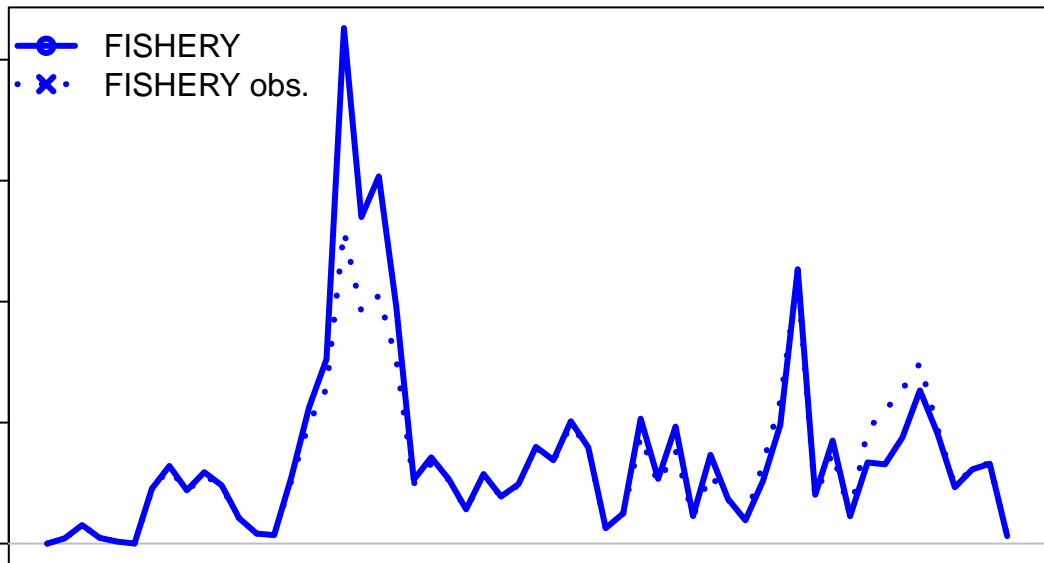
1990

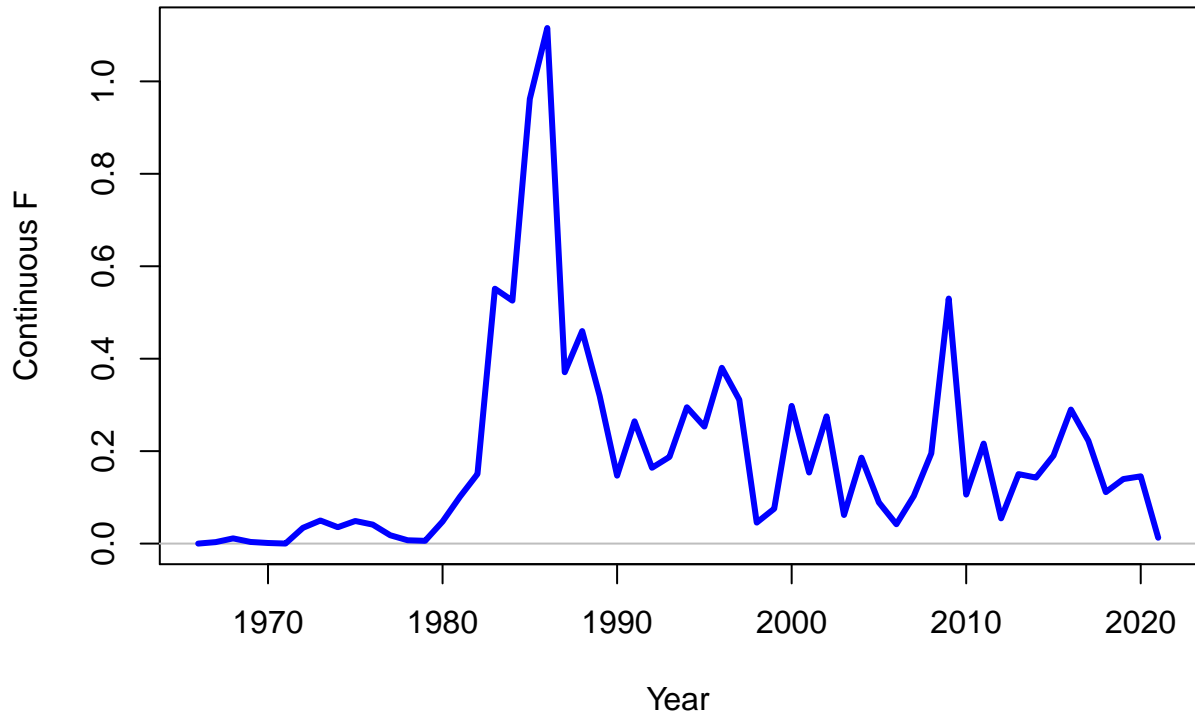
2000

2010

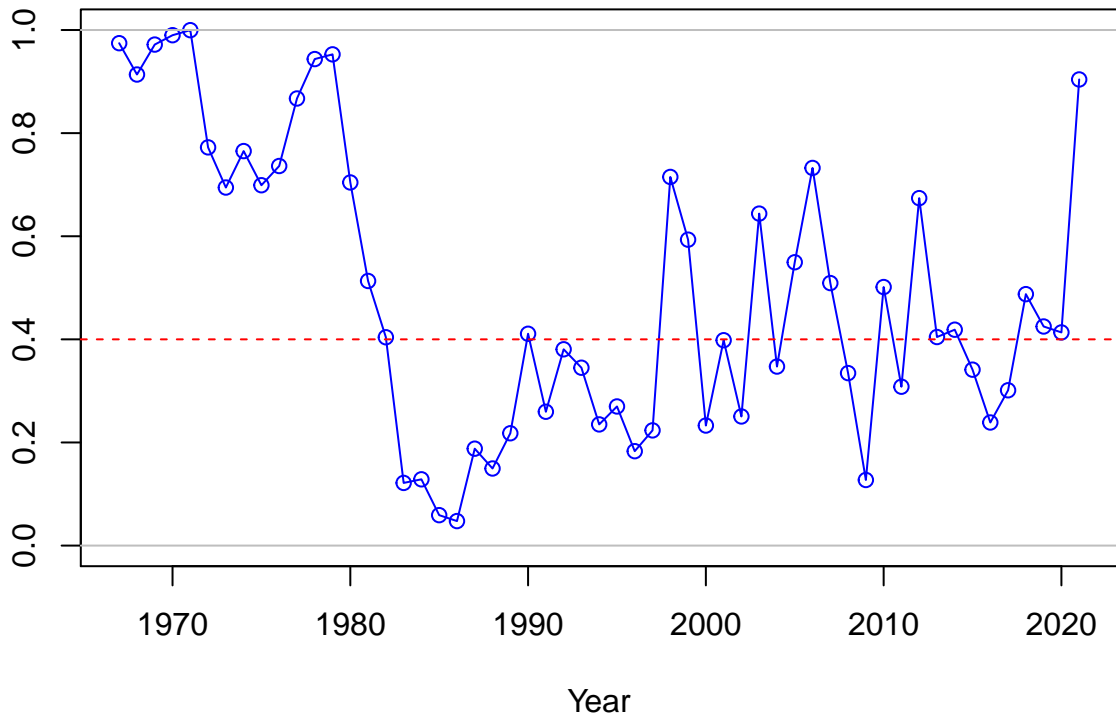
2020

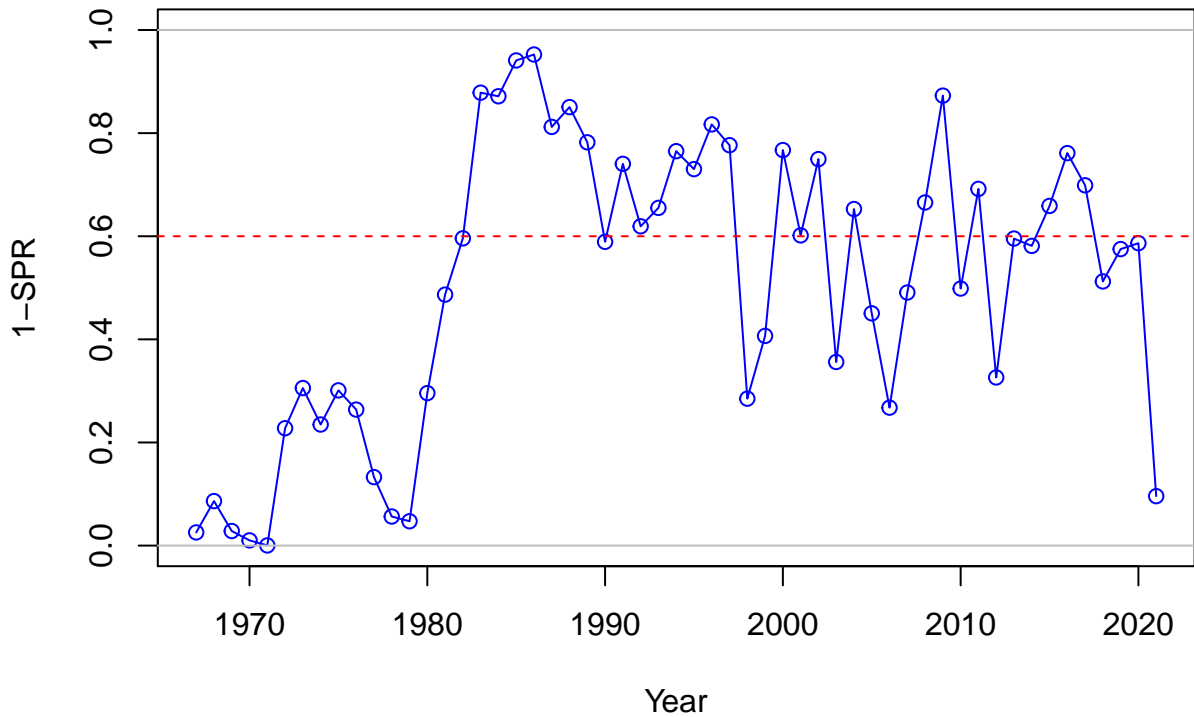
Year



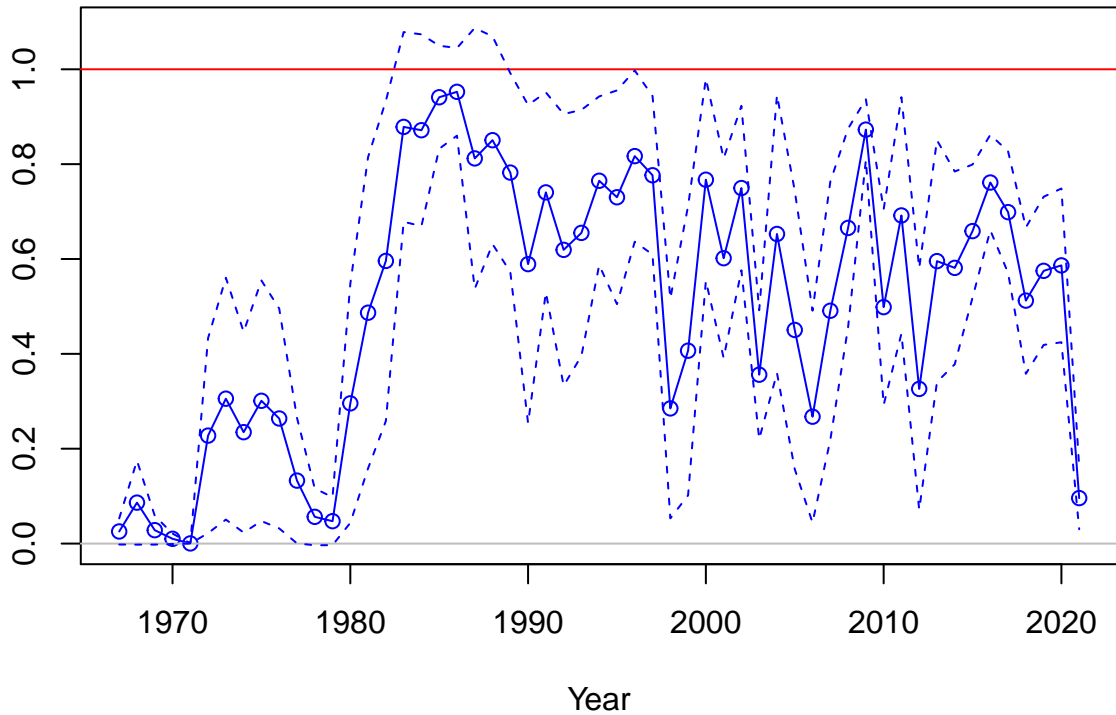


SPR

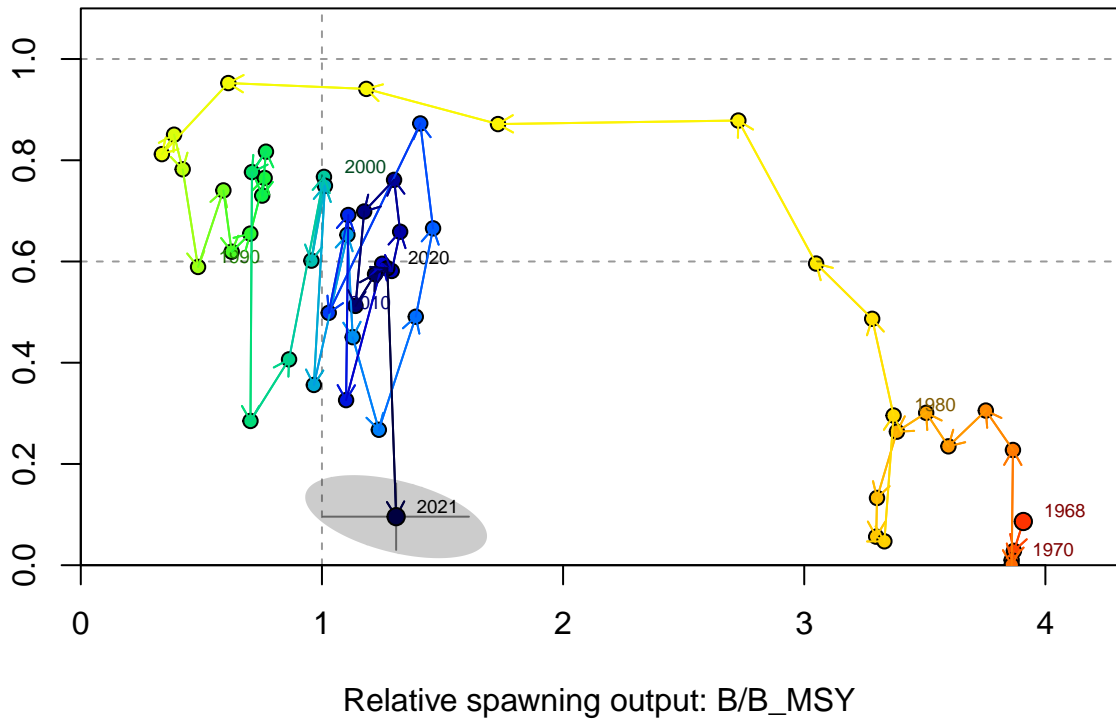




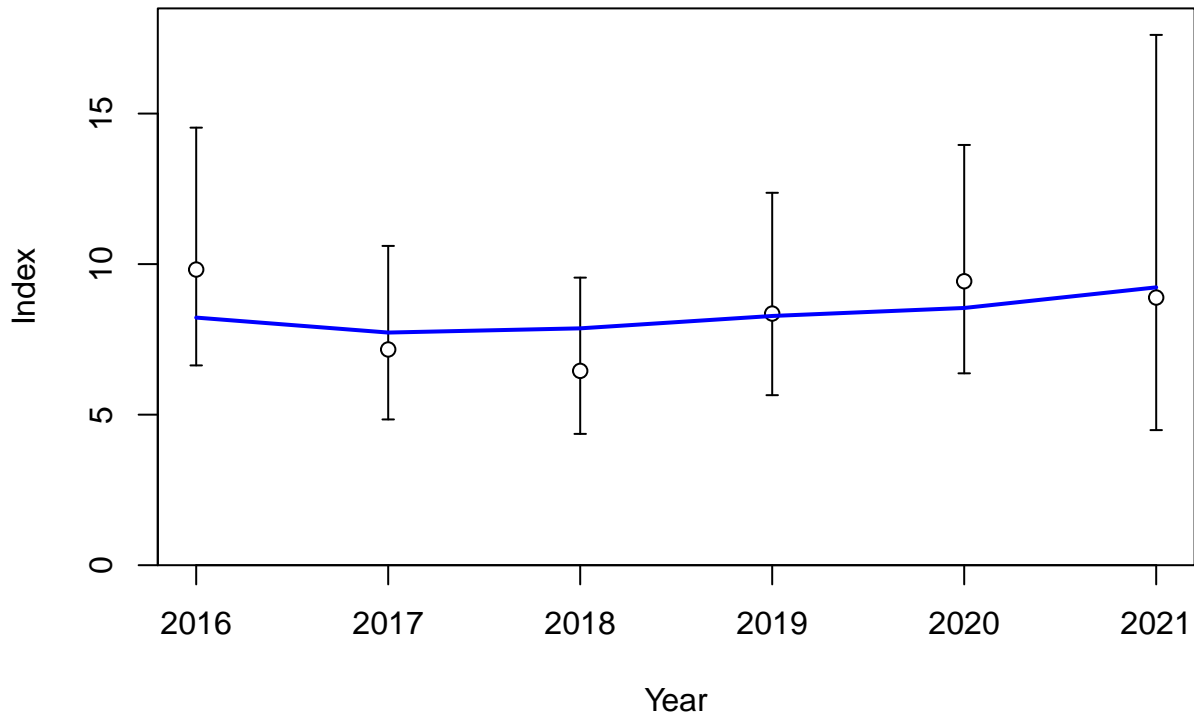
Fishing intensity: 1-SPR

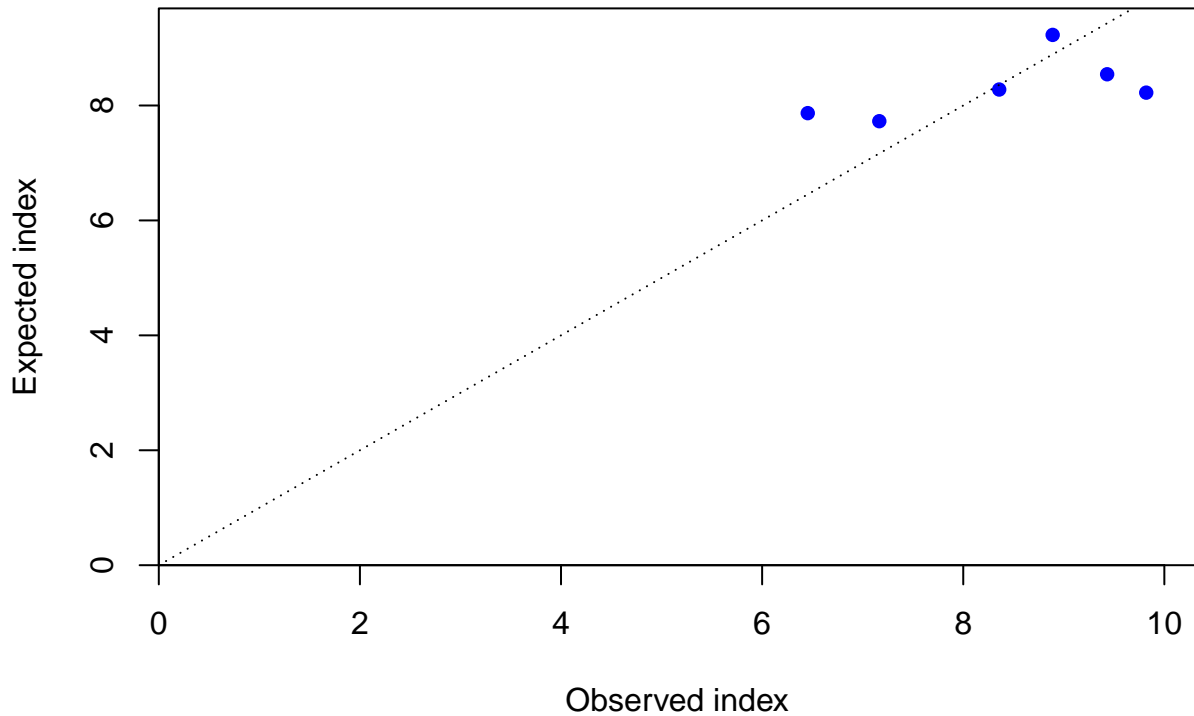


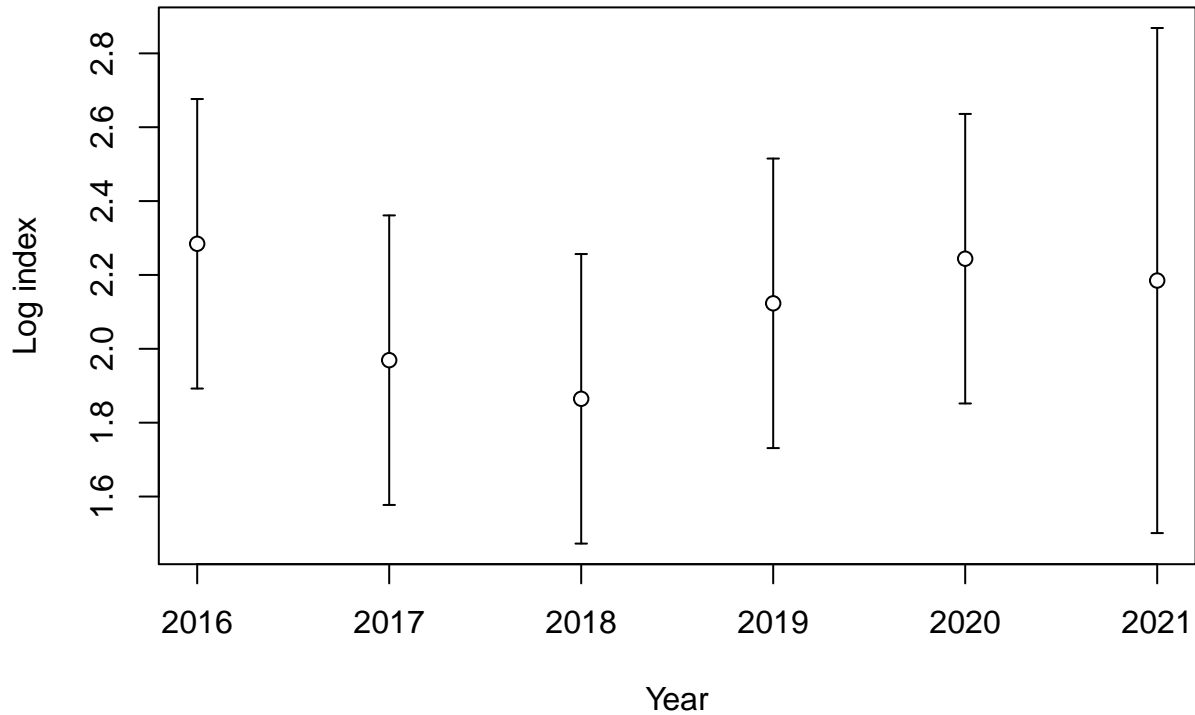
Fishing intensity: 1-SPR

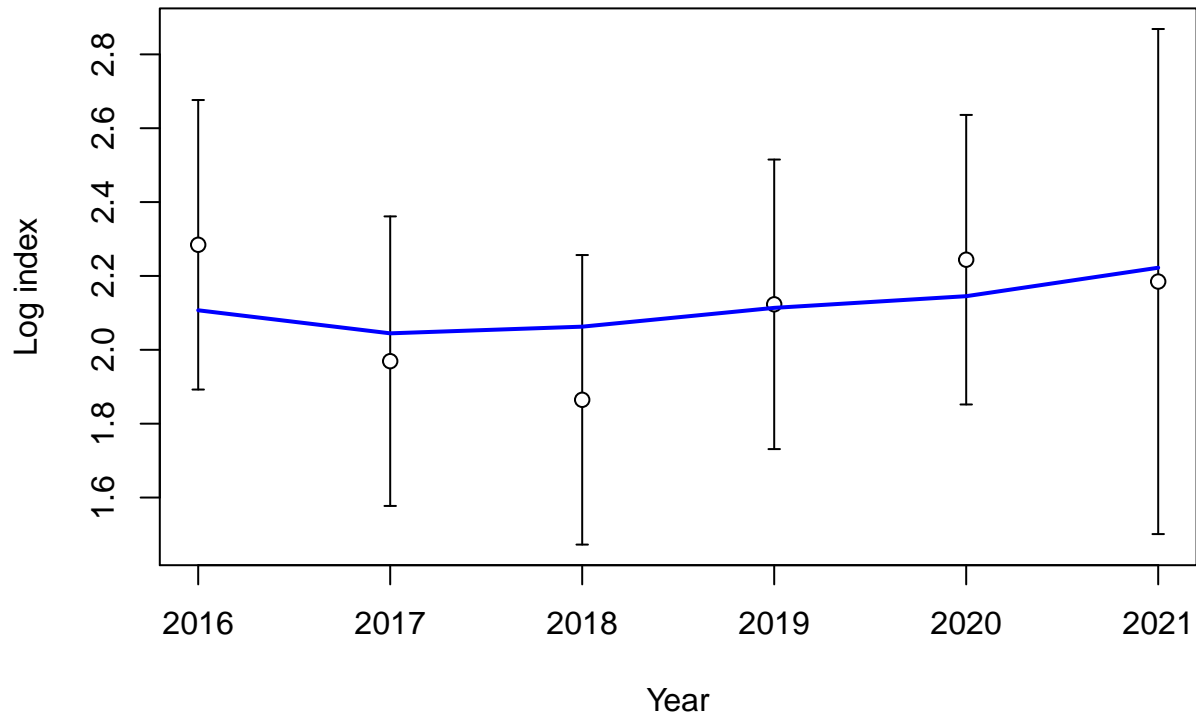


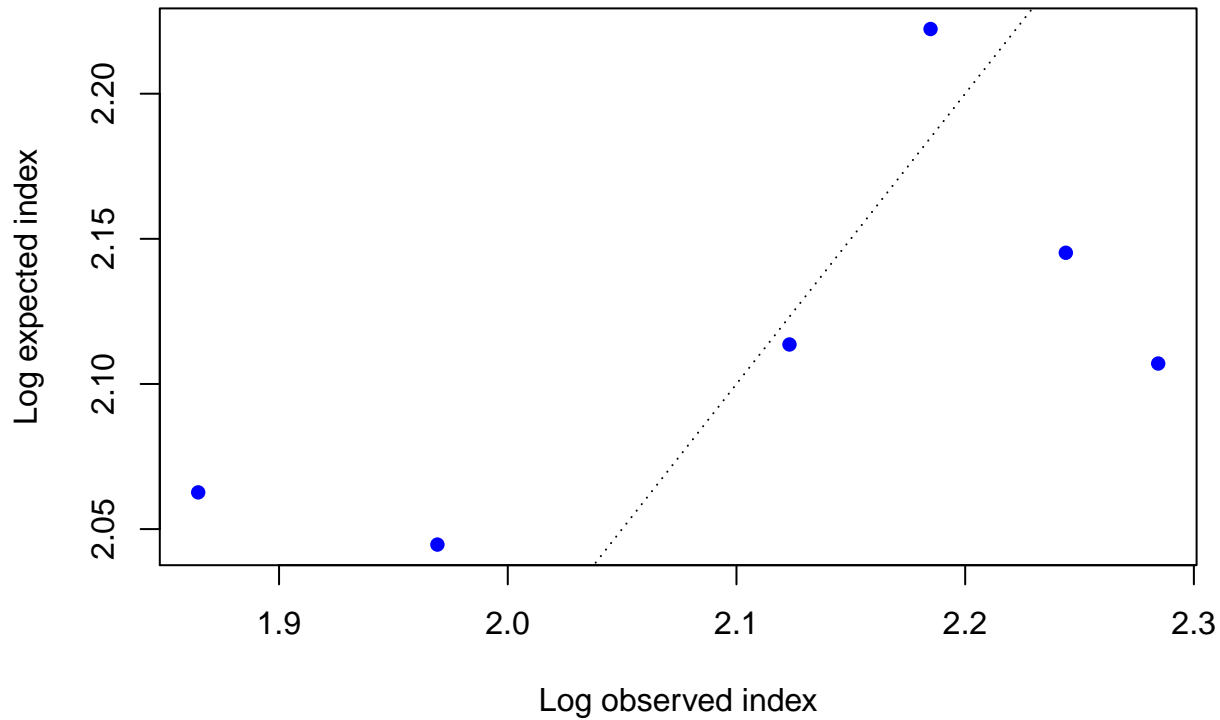


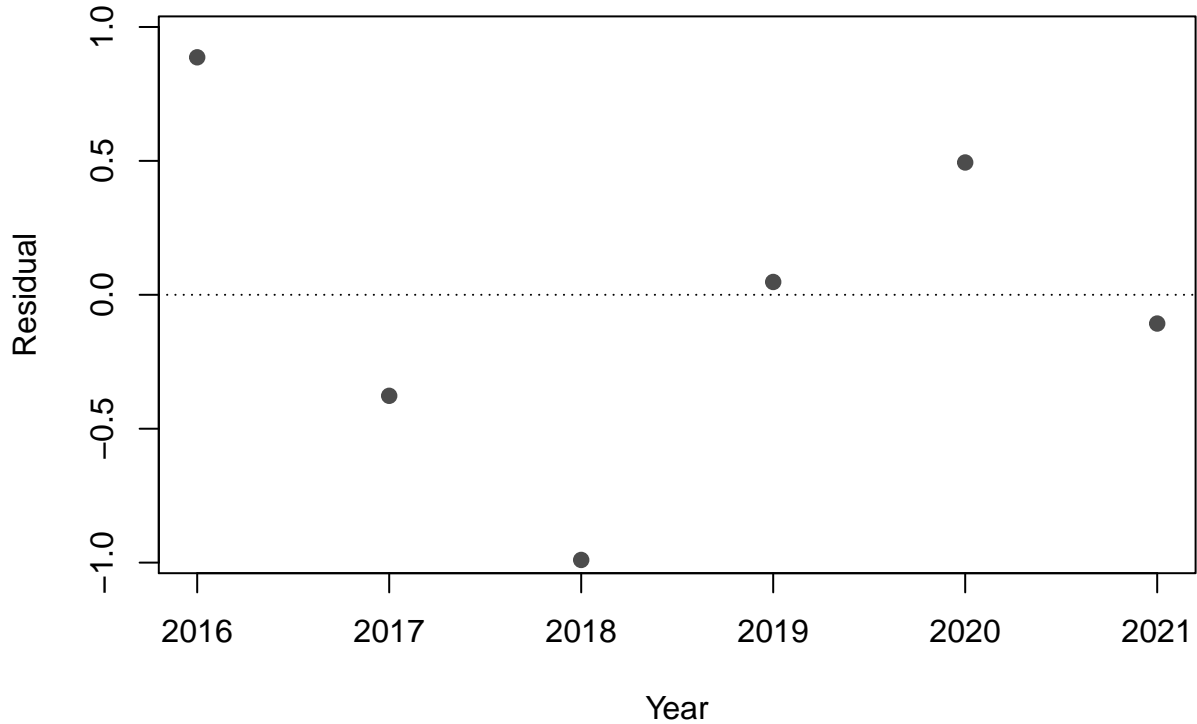


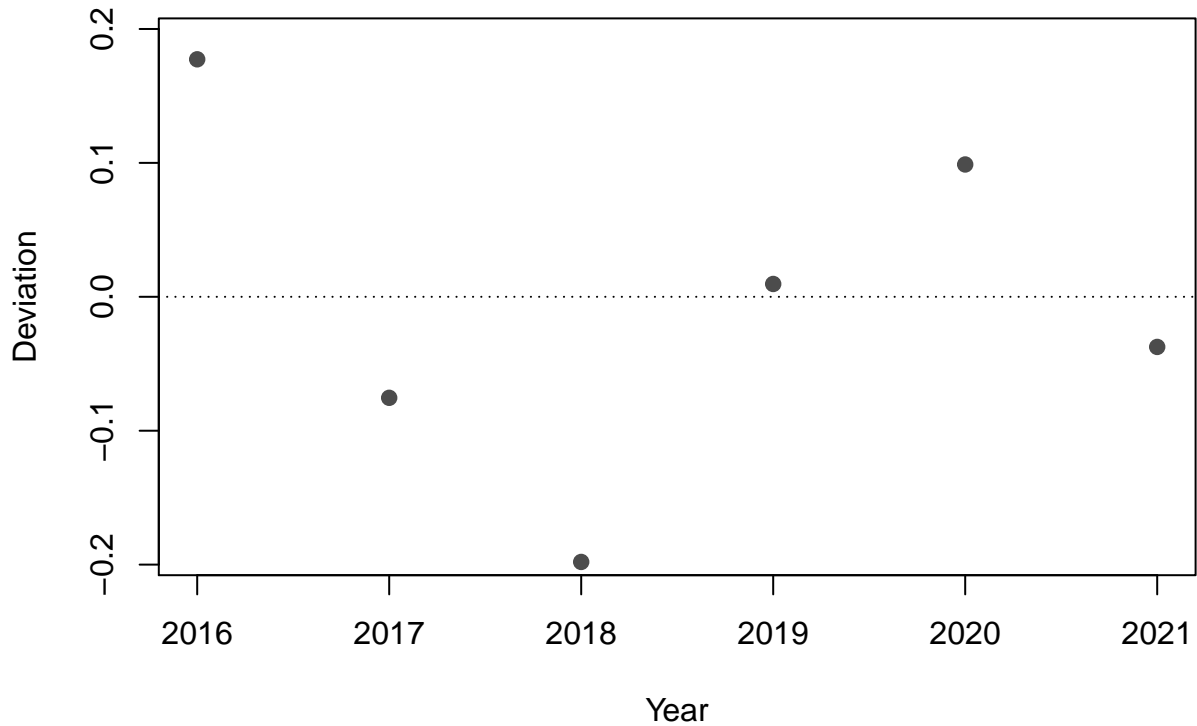




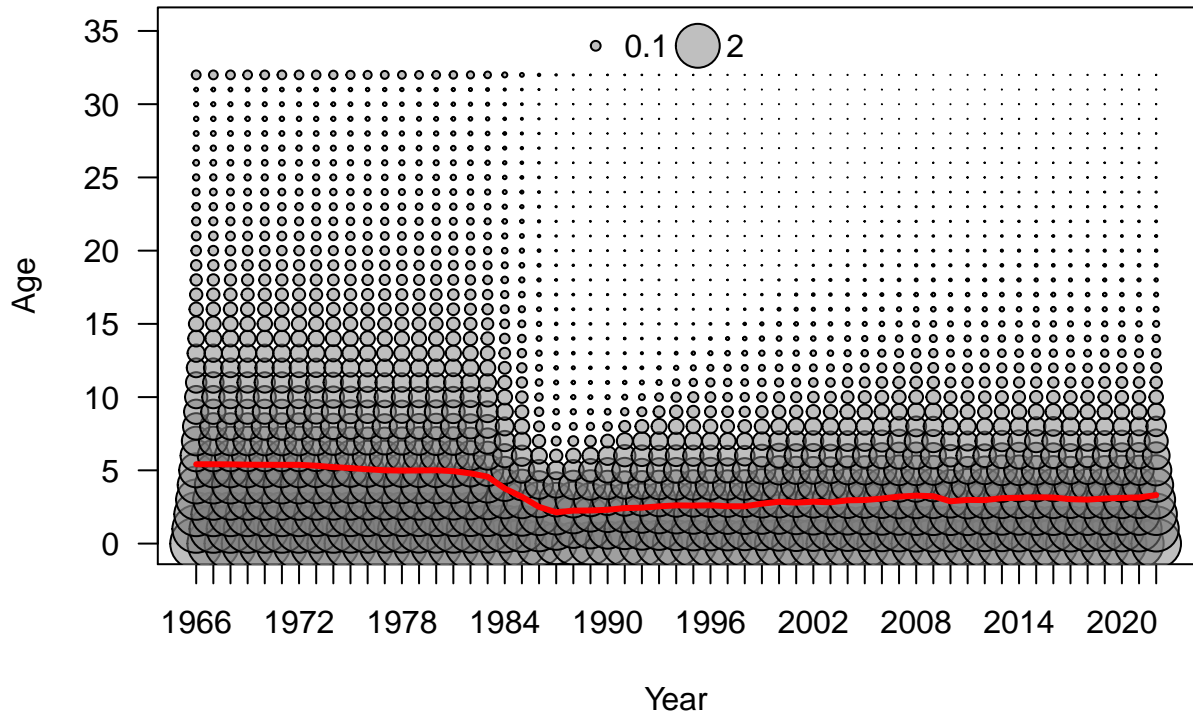


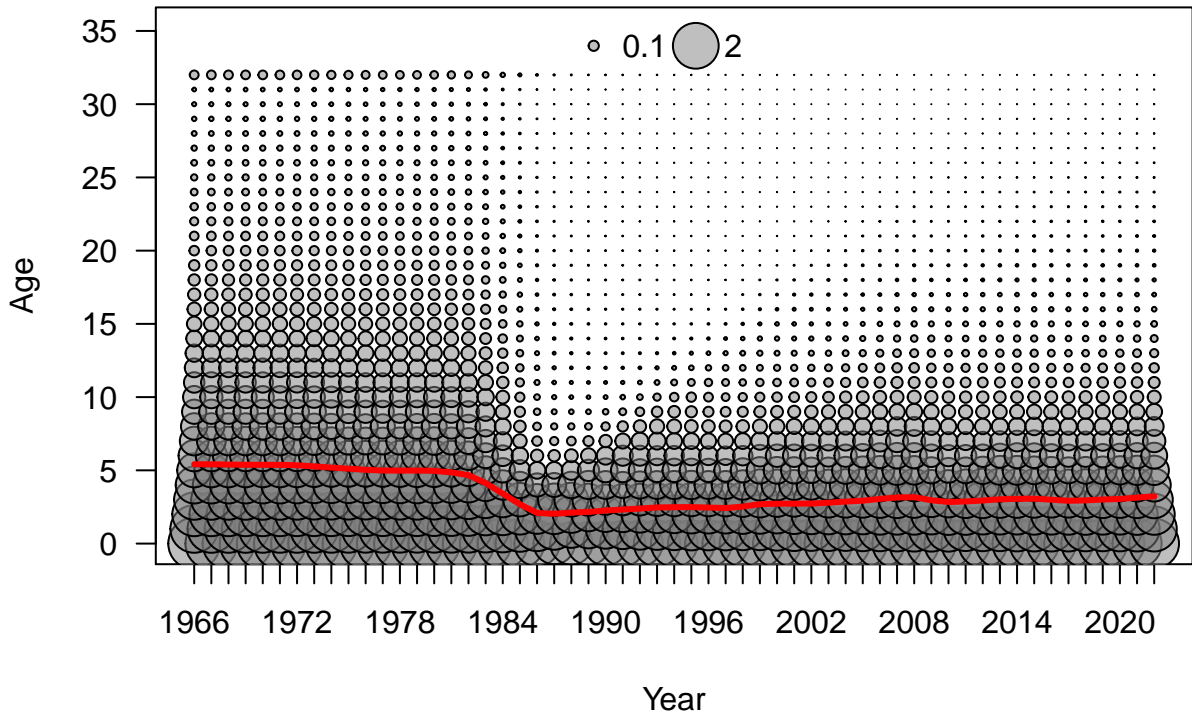


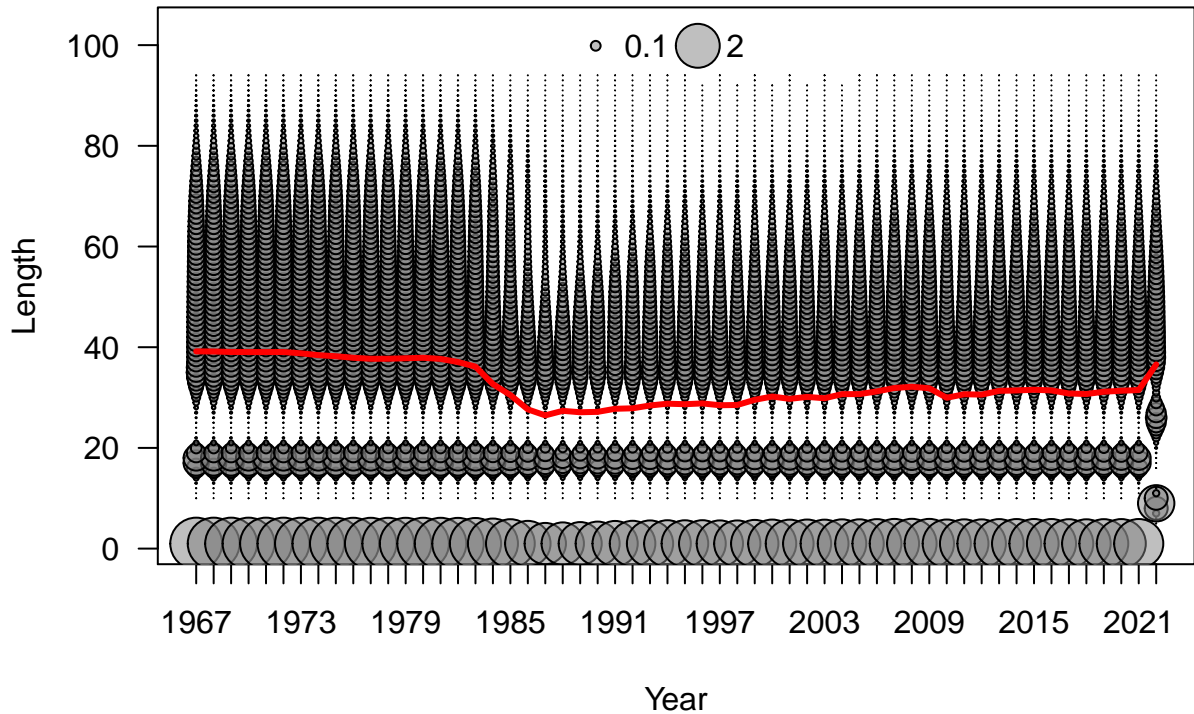


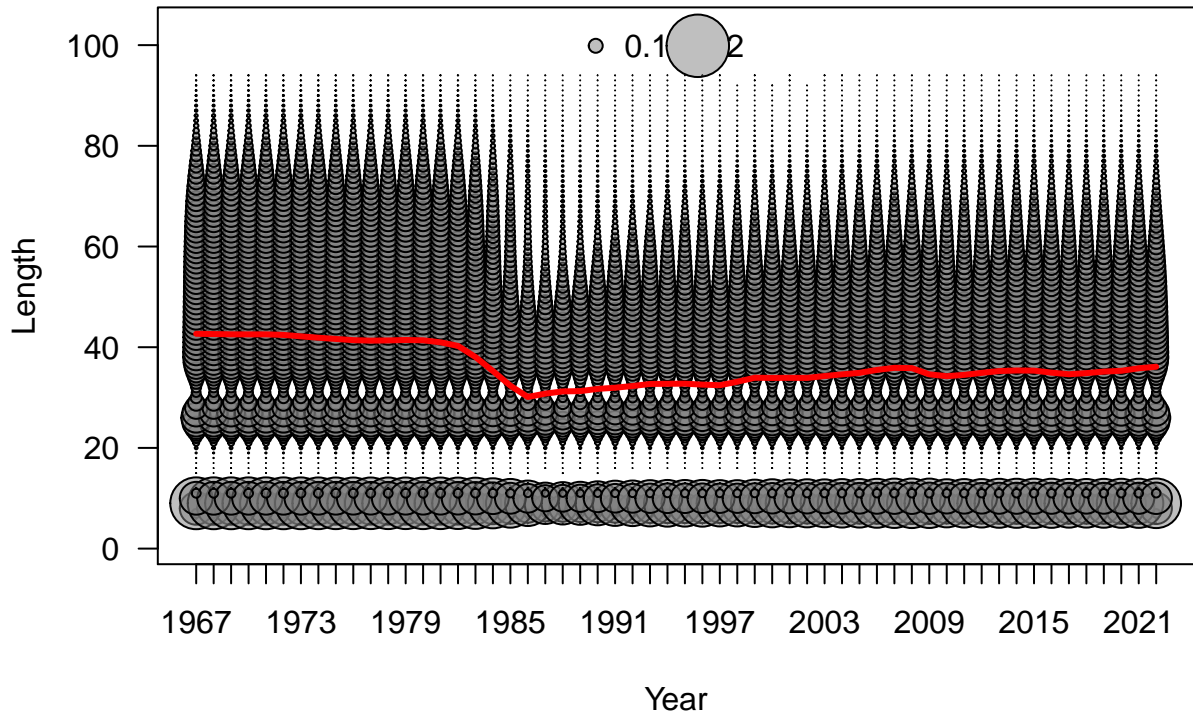


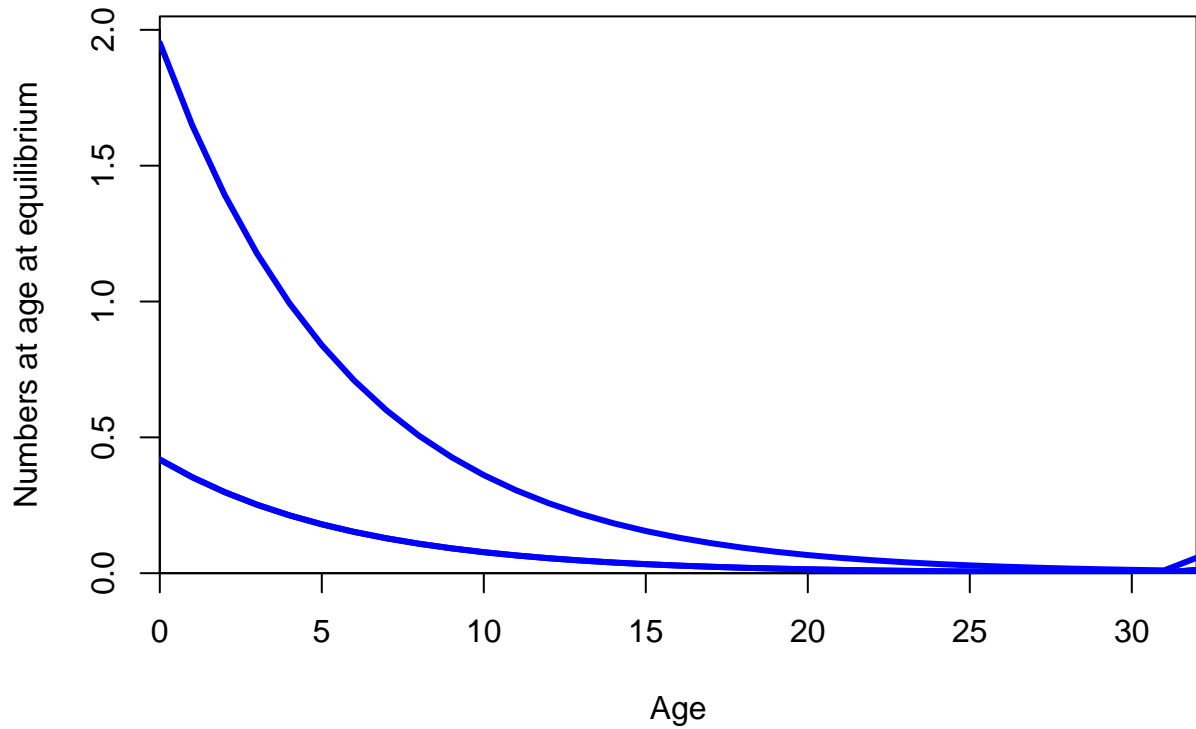


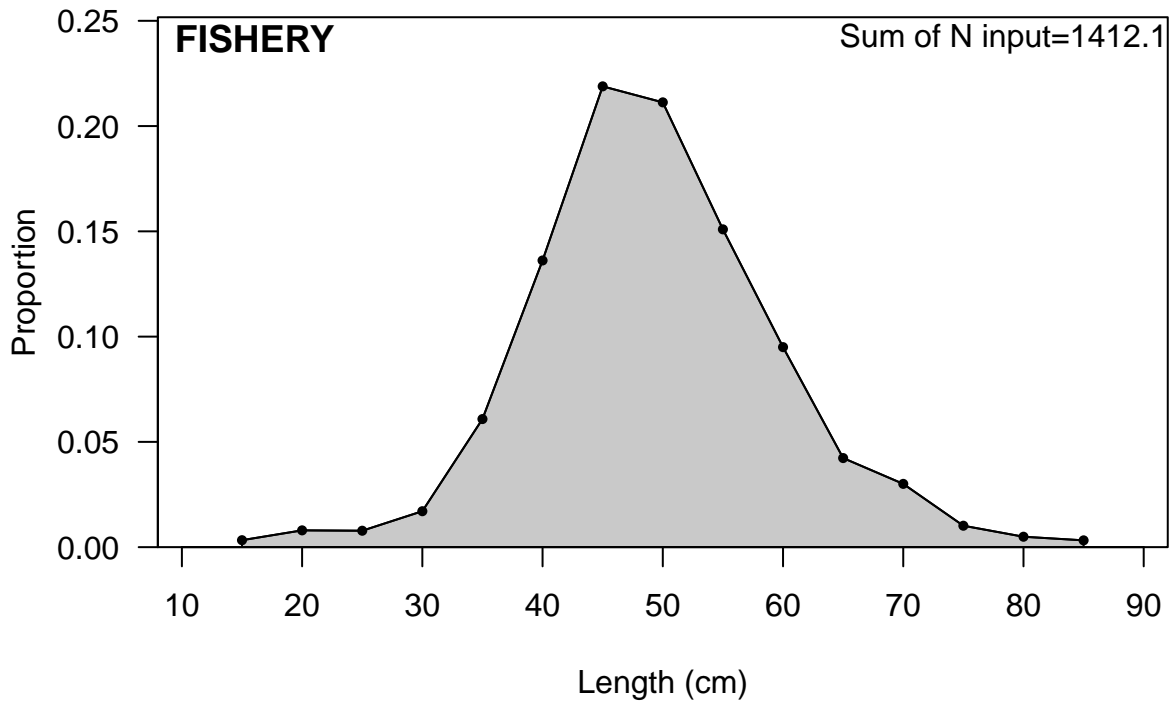


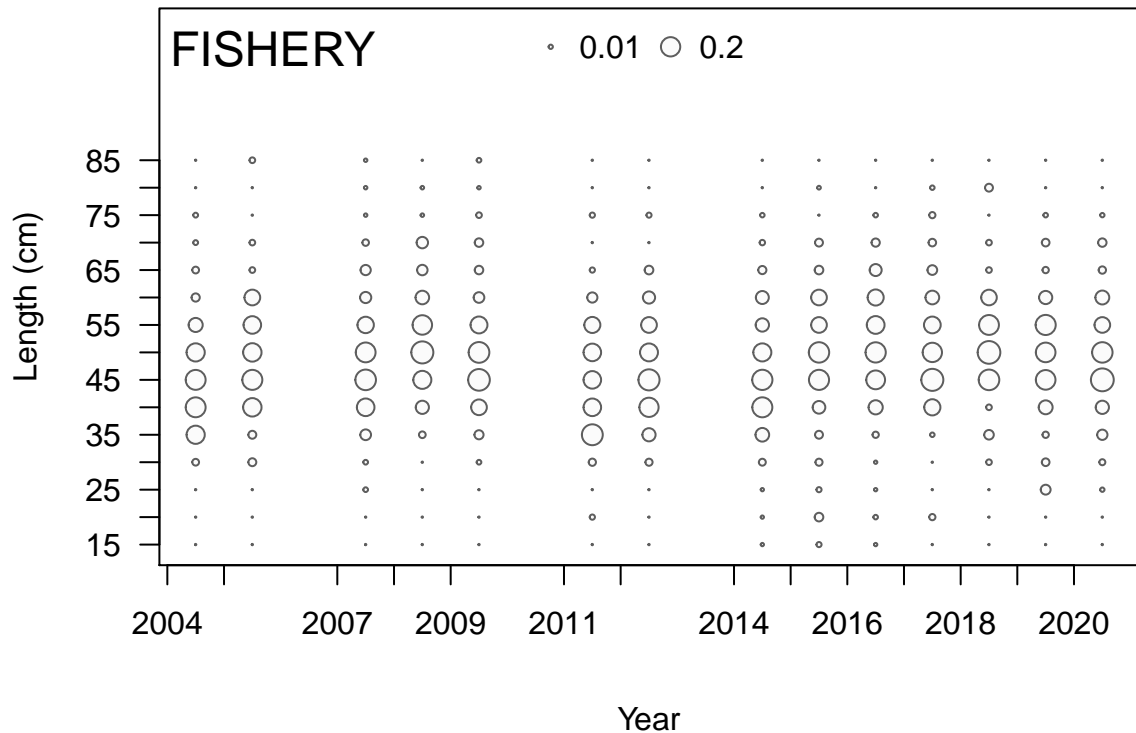




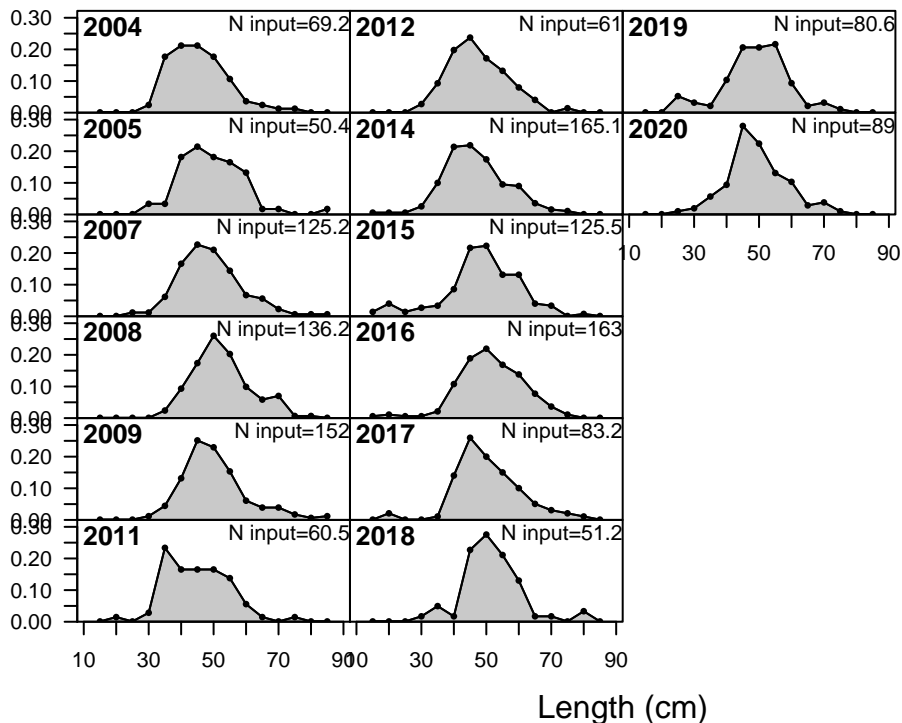


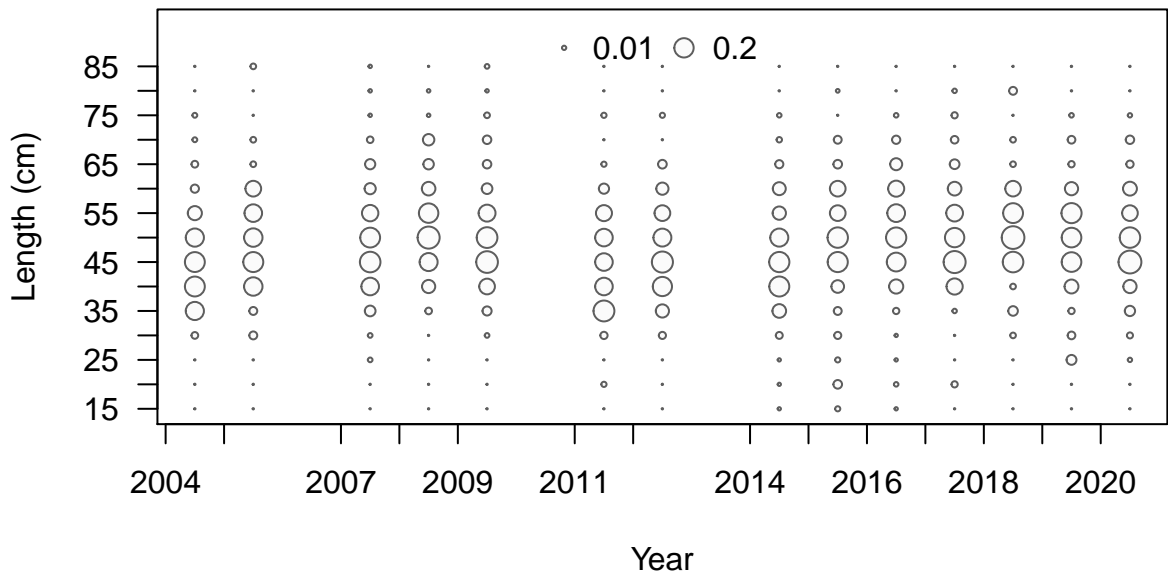




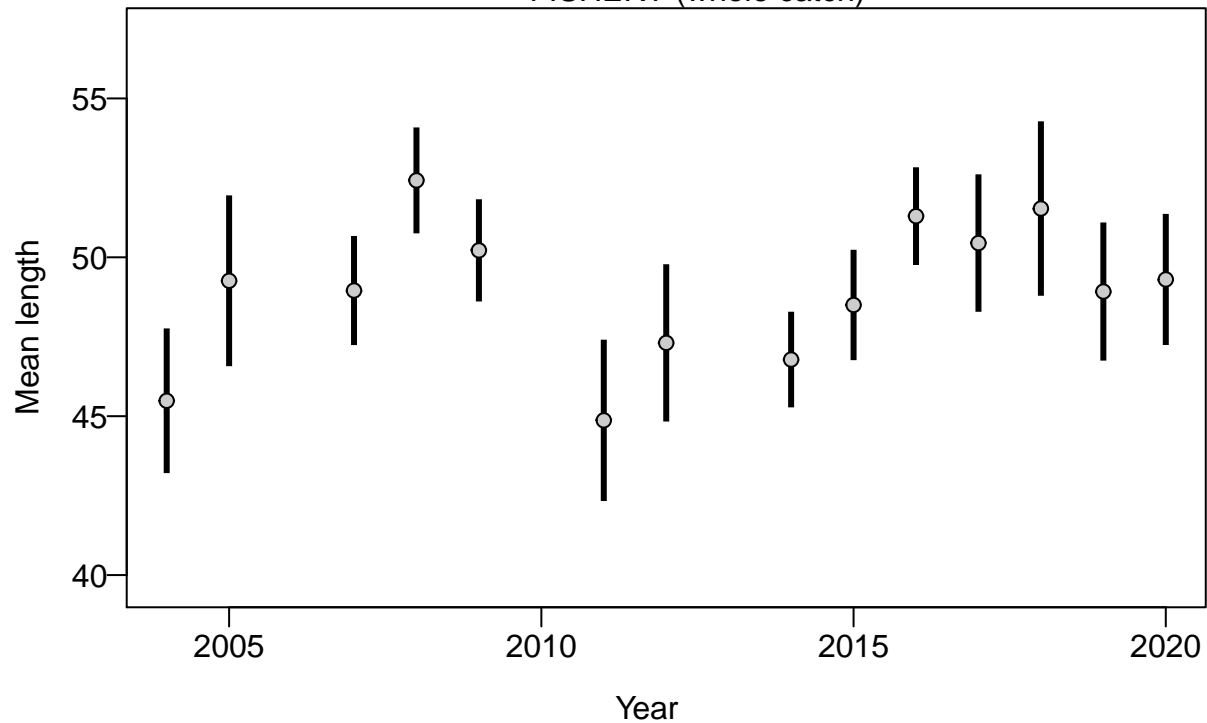


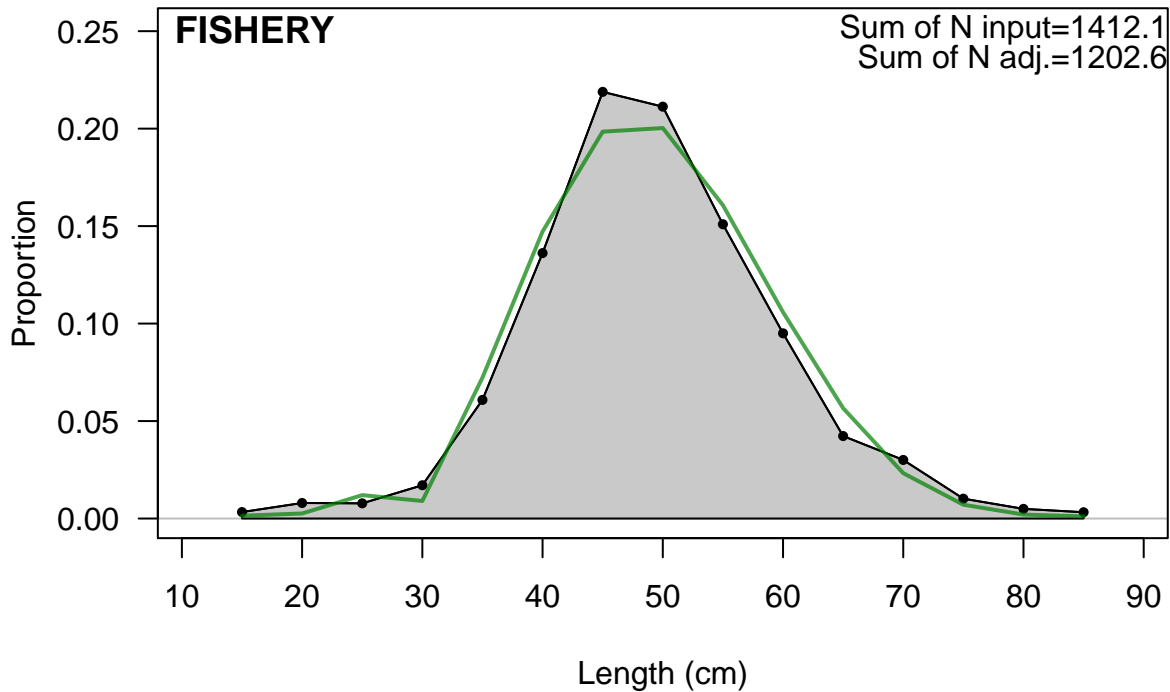
Proportion

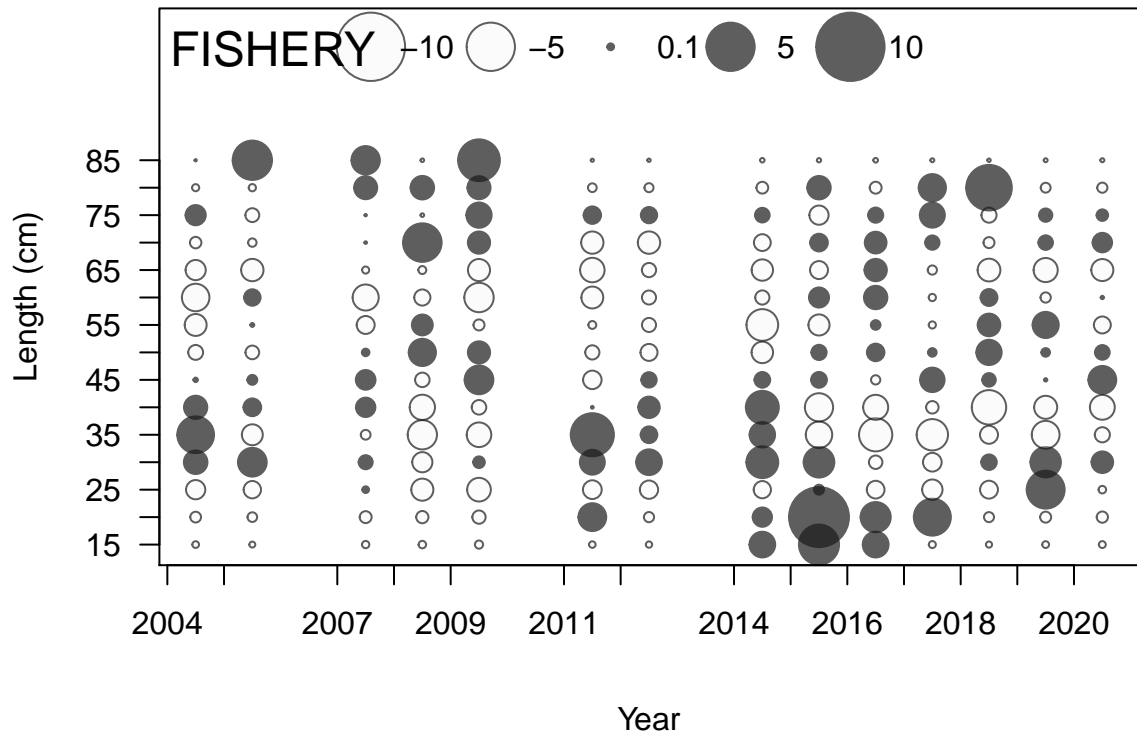


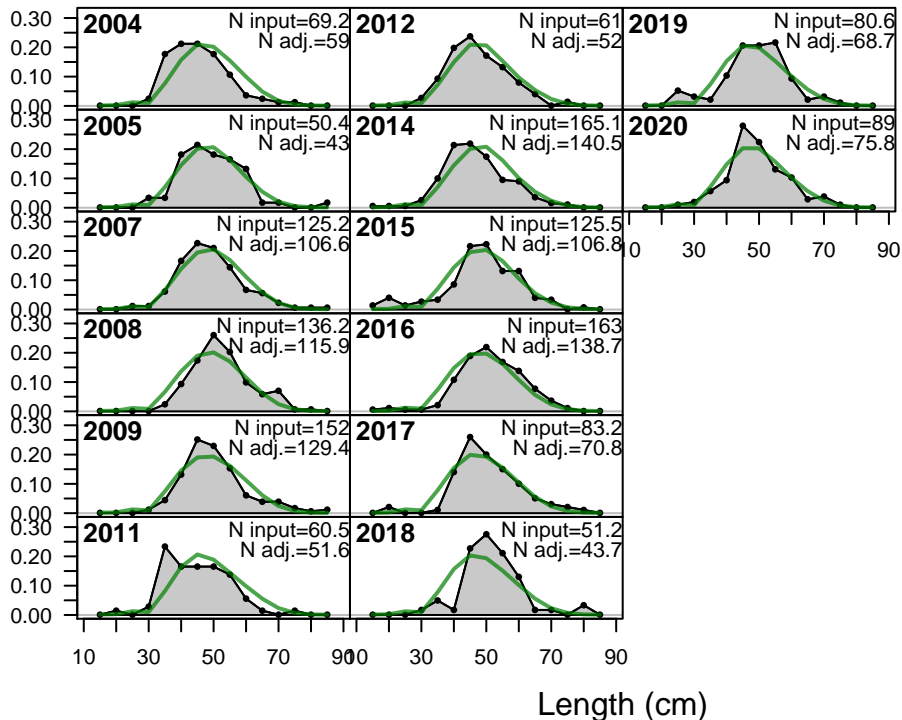


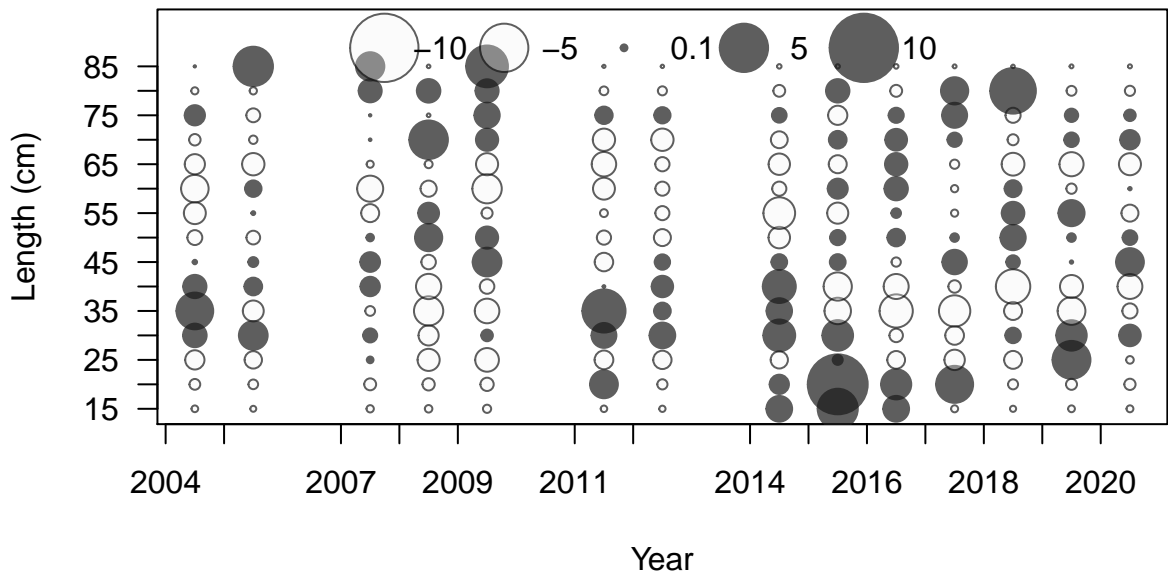
FISHERY (whole catch)



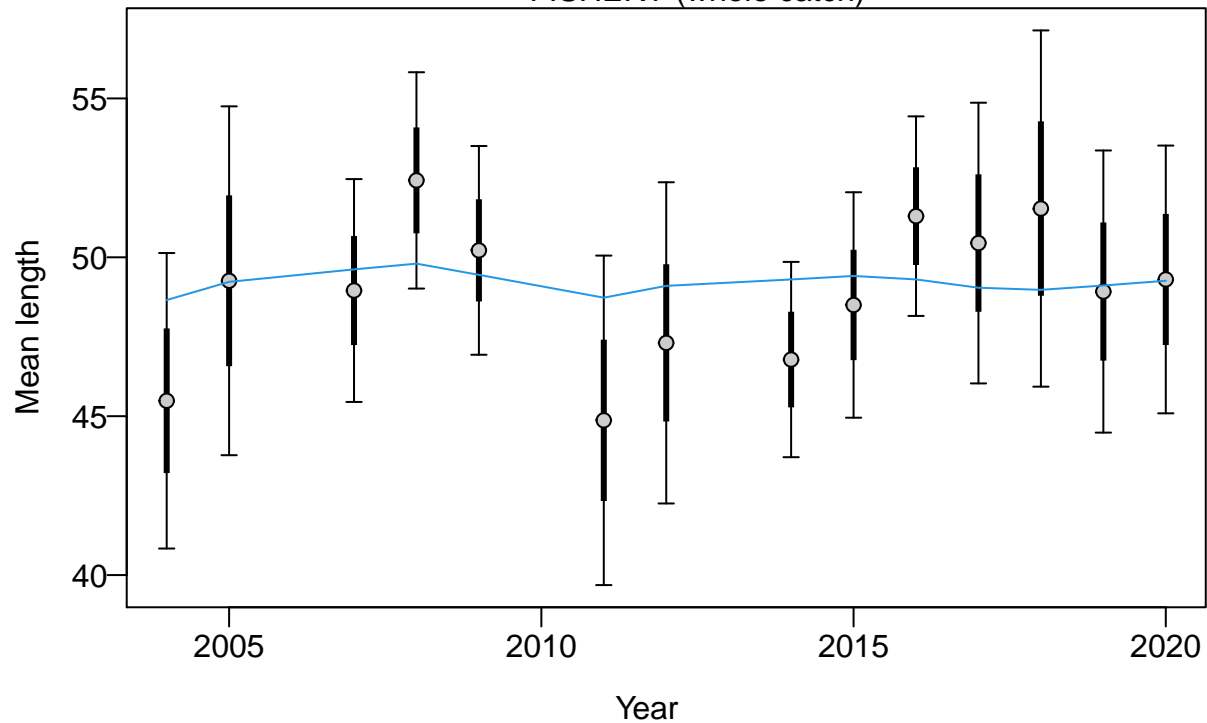


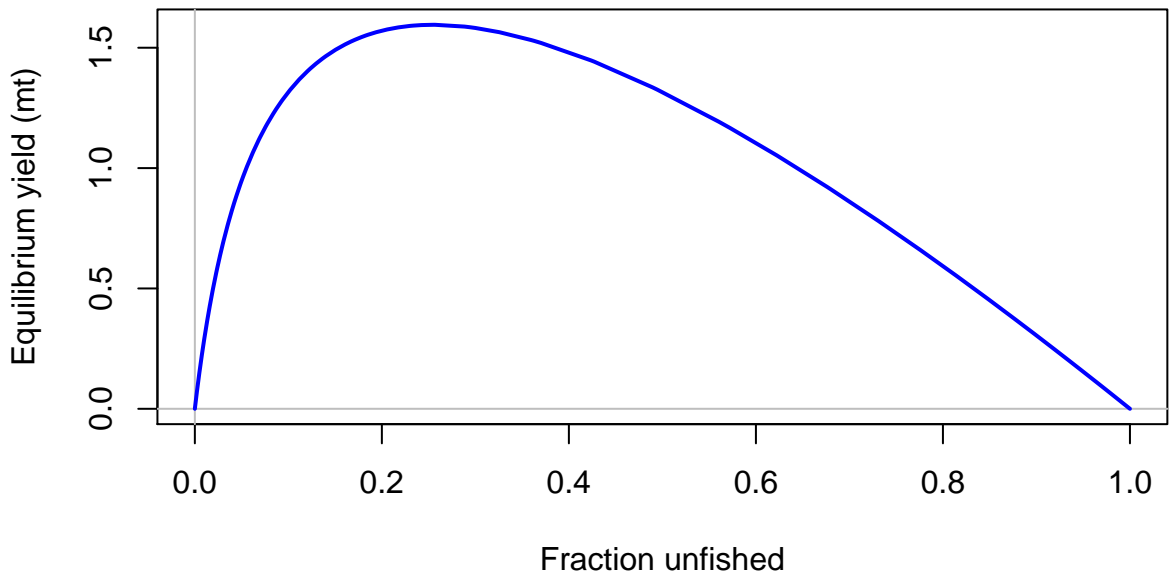


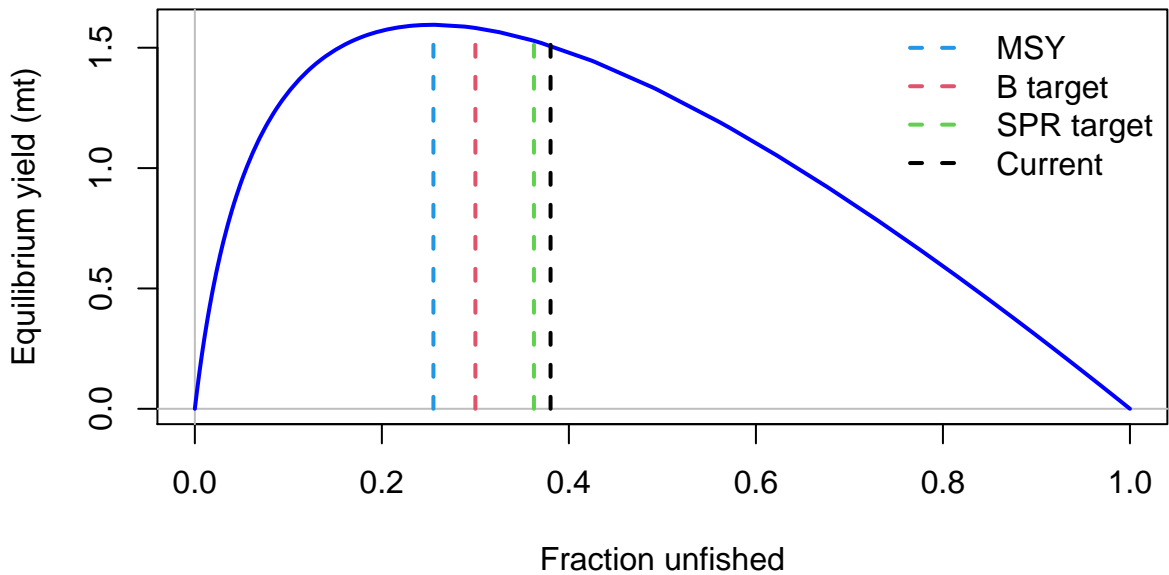


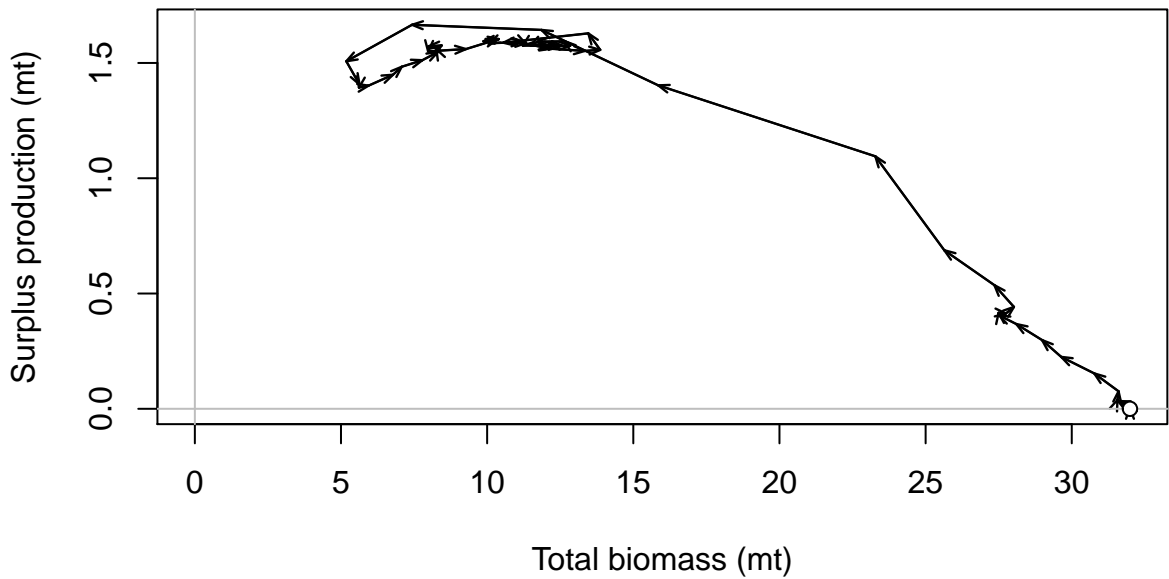


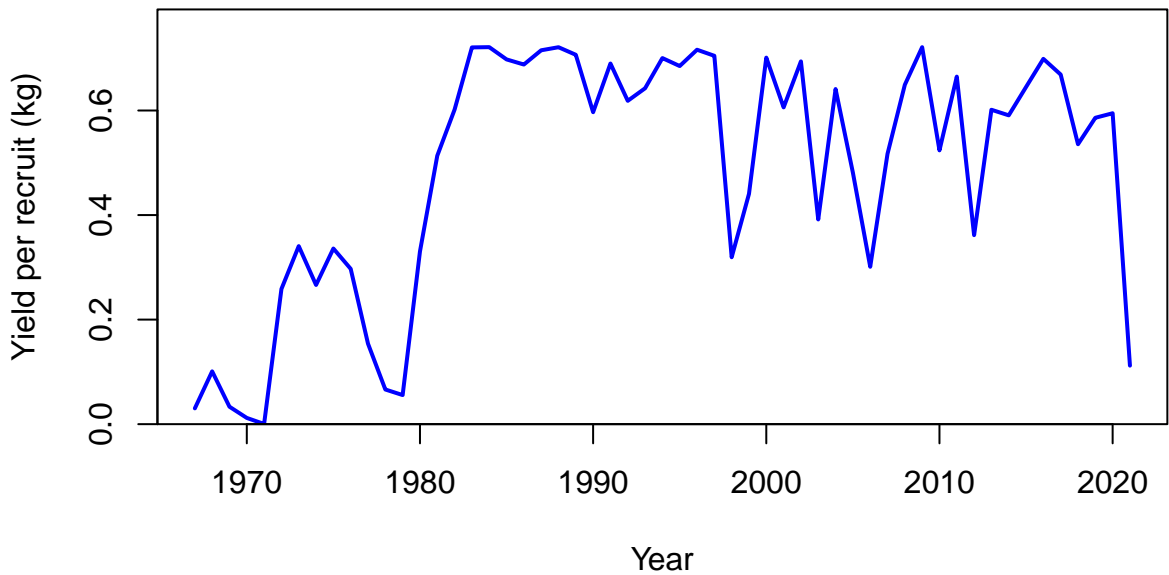
FISHERY (whole catch)

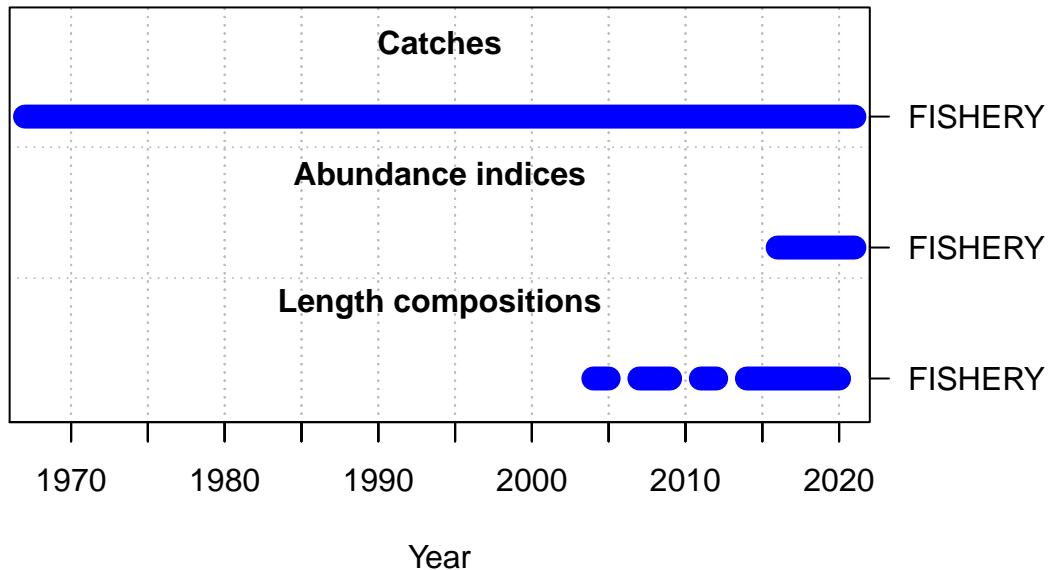






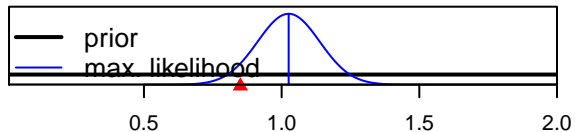




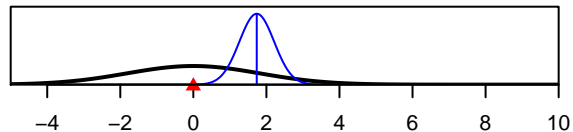




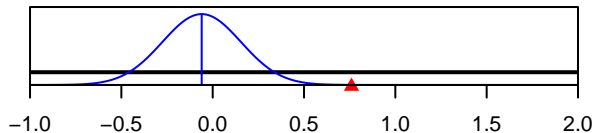
SR_LN(R0)



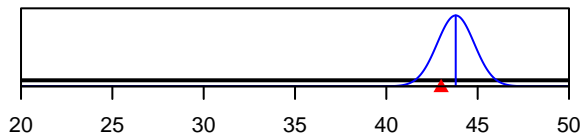
ln(DM_theta)_1



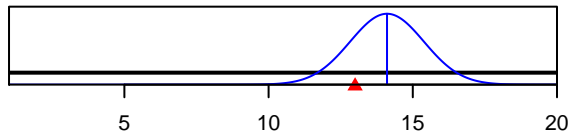
LnQ_base_FISHERY(1)



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value