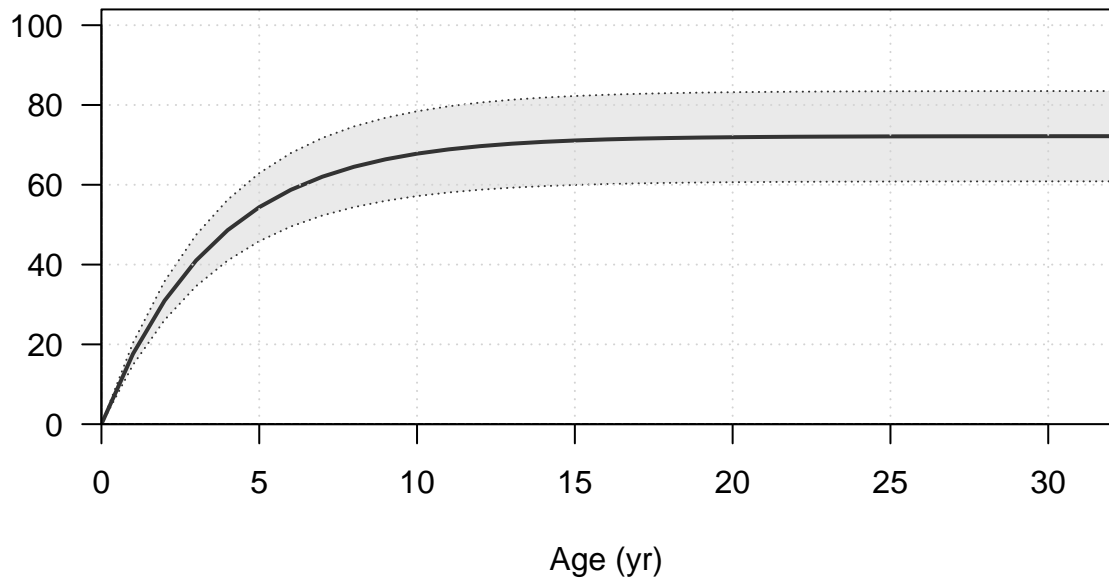
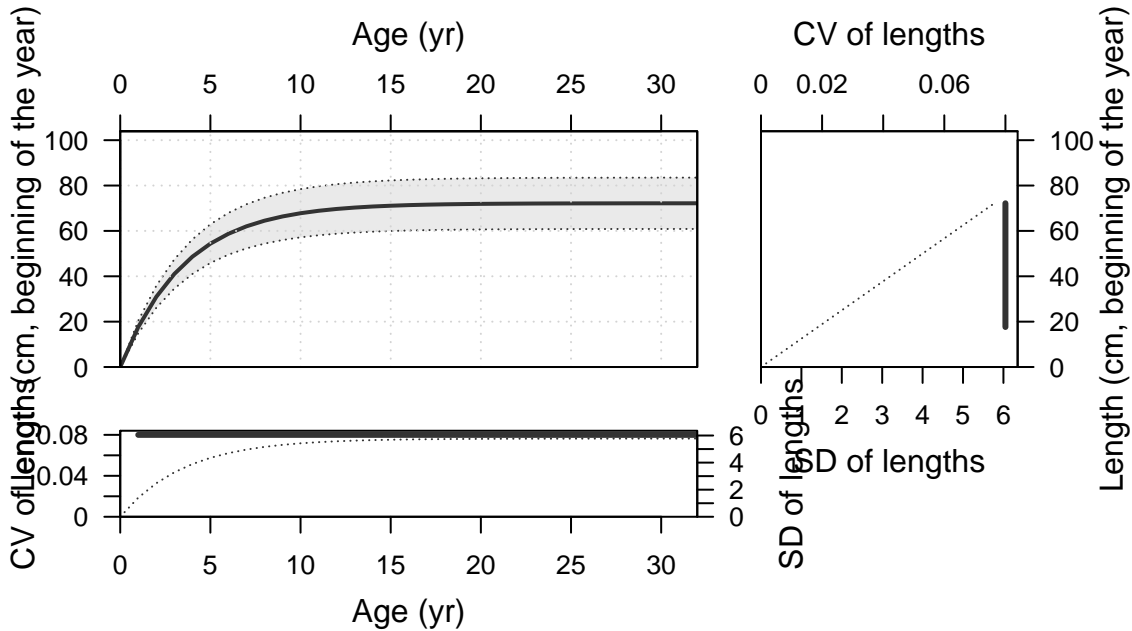
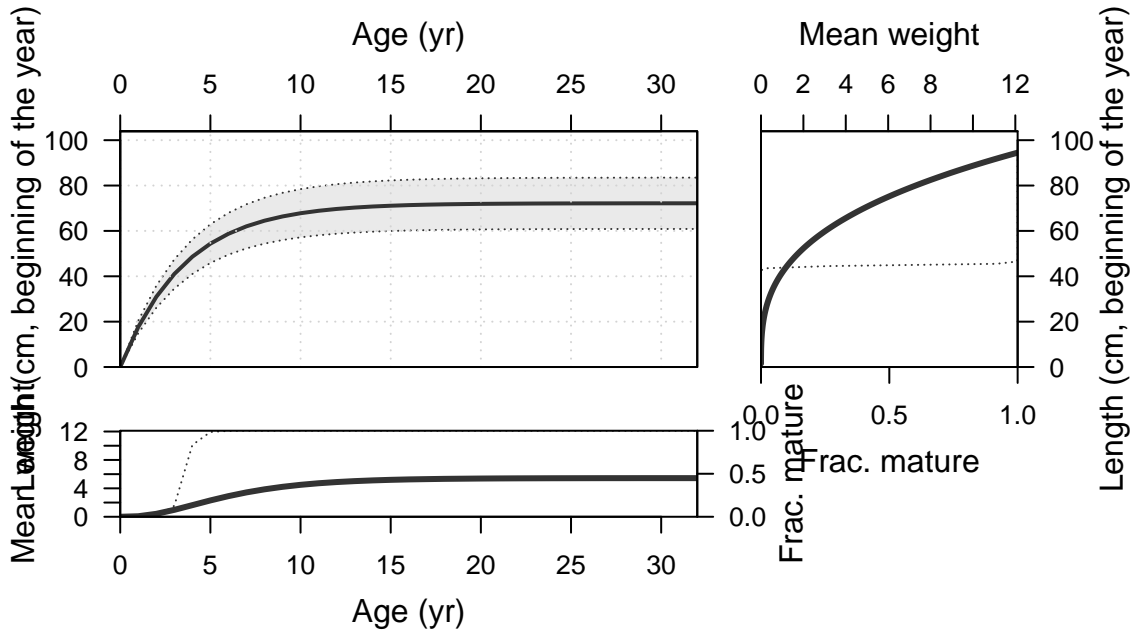


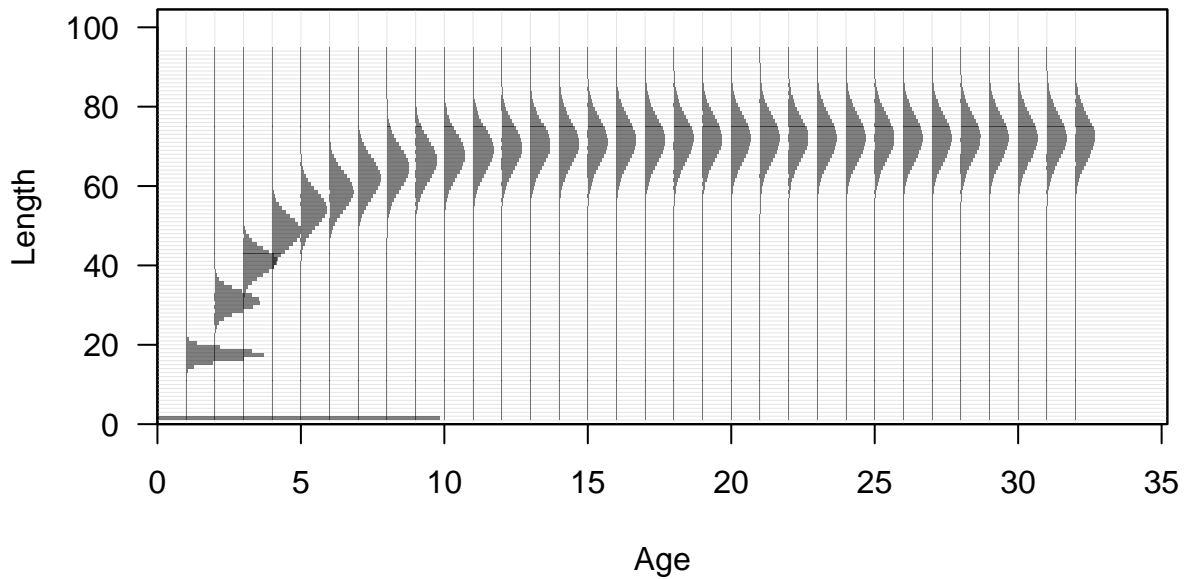
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Wed Aug 03 09:28:16 2022
Data_File: data.ss
Control_File: control.ss

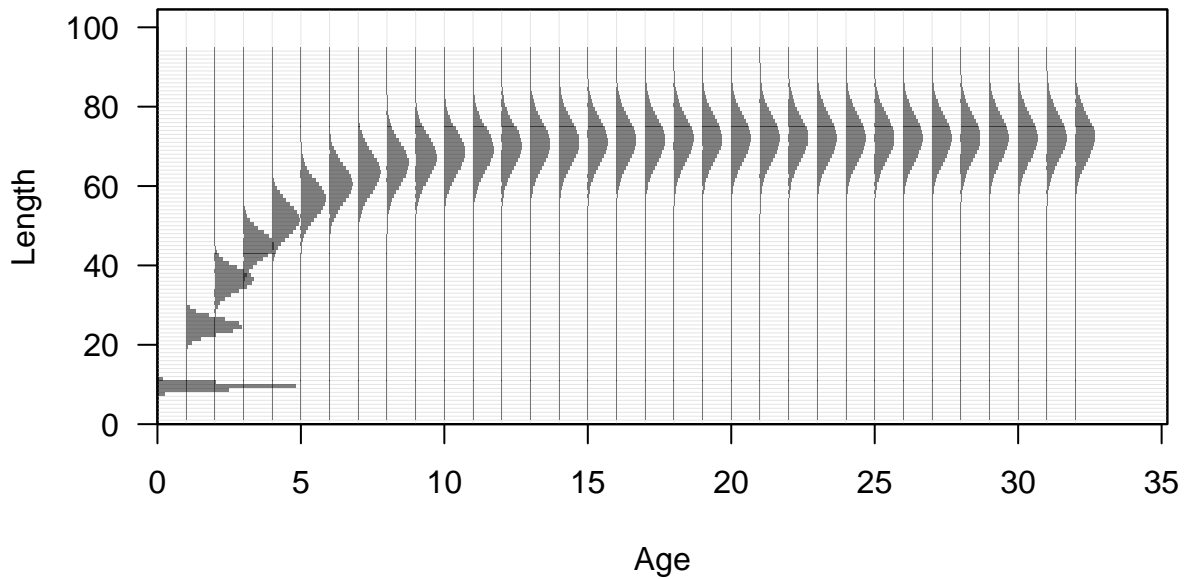
Length (cm, beginning of the year)

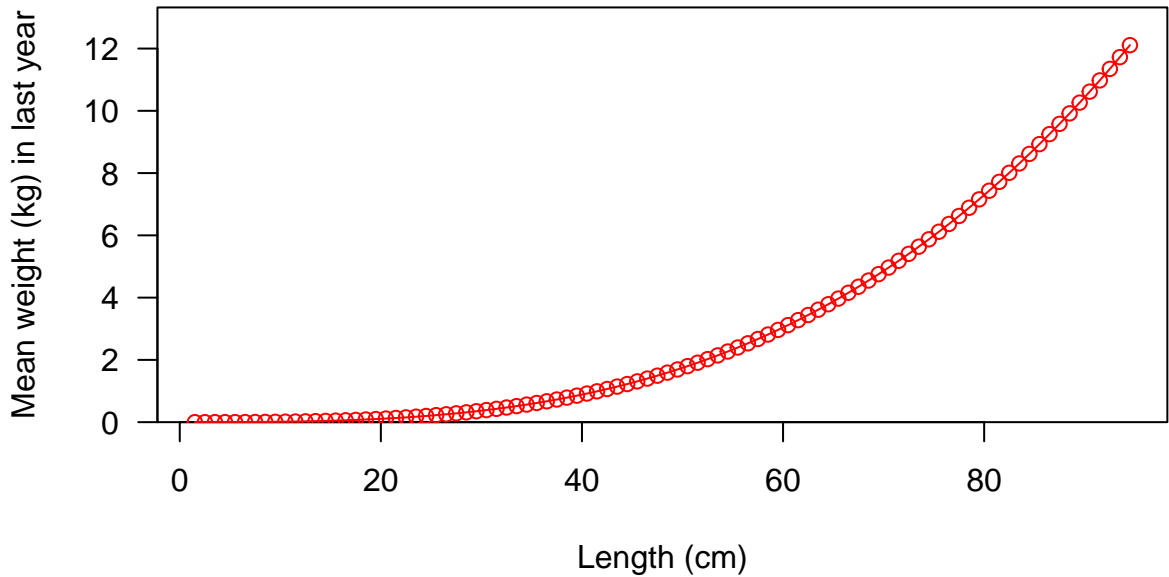




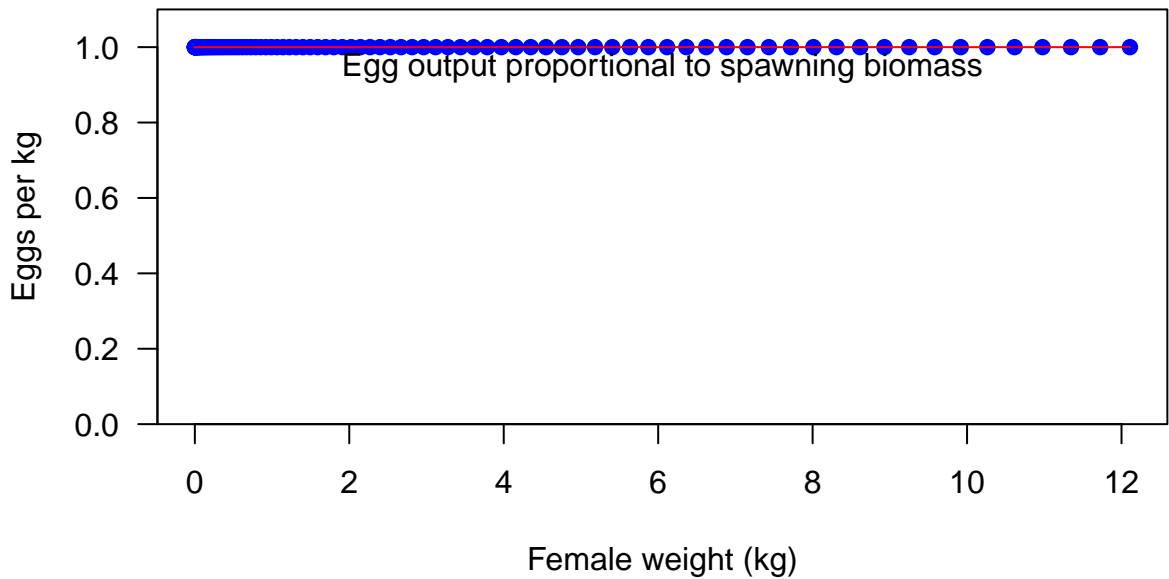




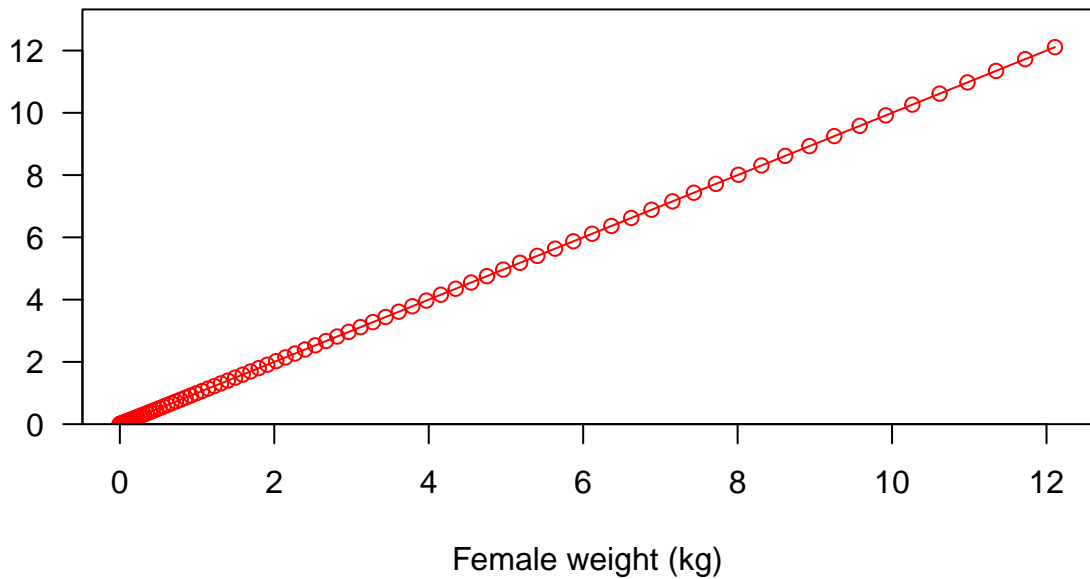




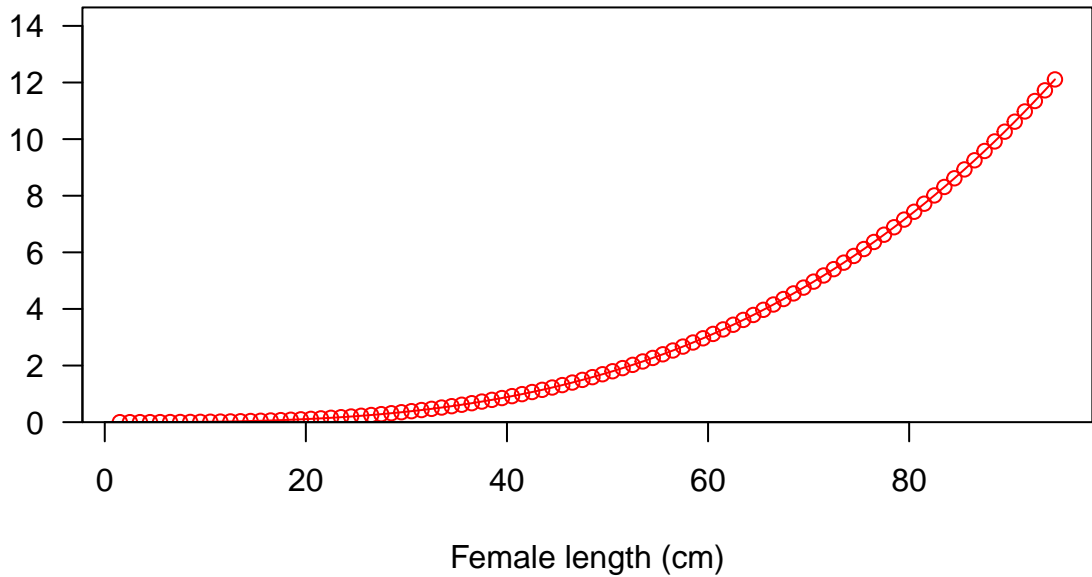




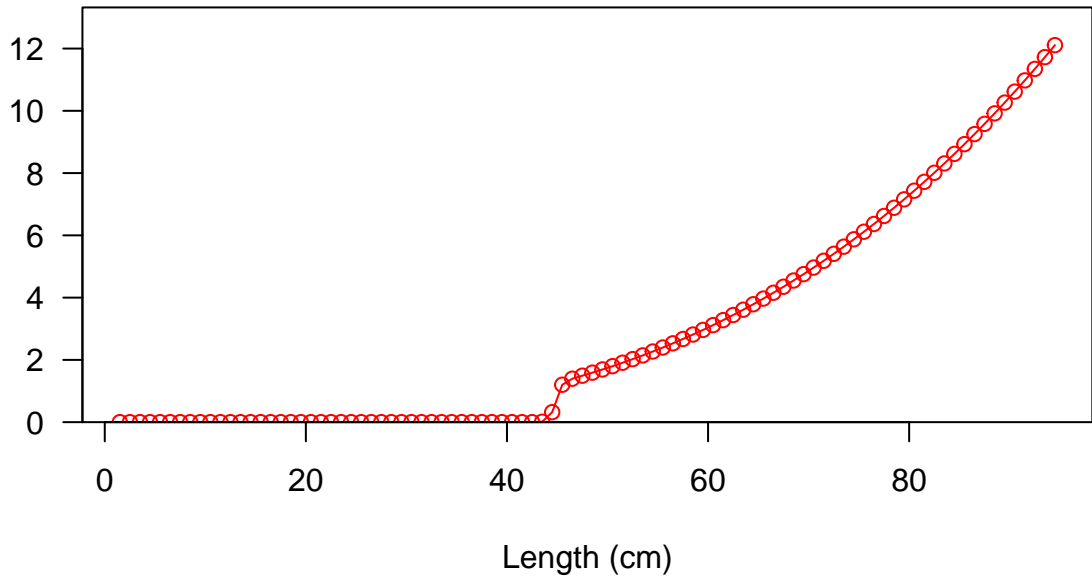
Fecundity



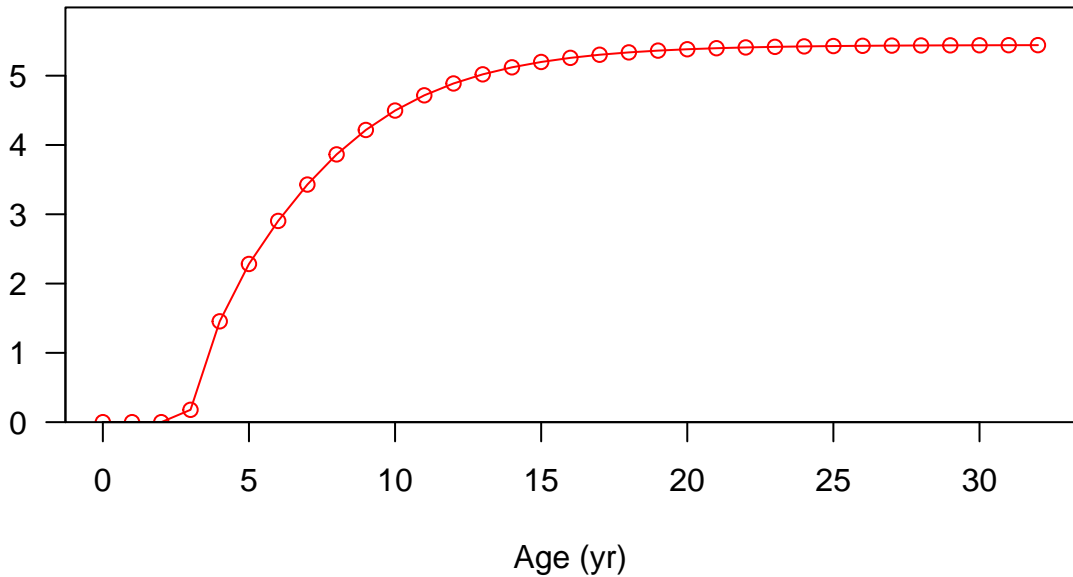
Fecundity



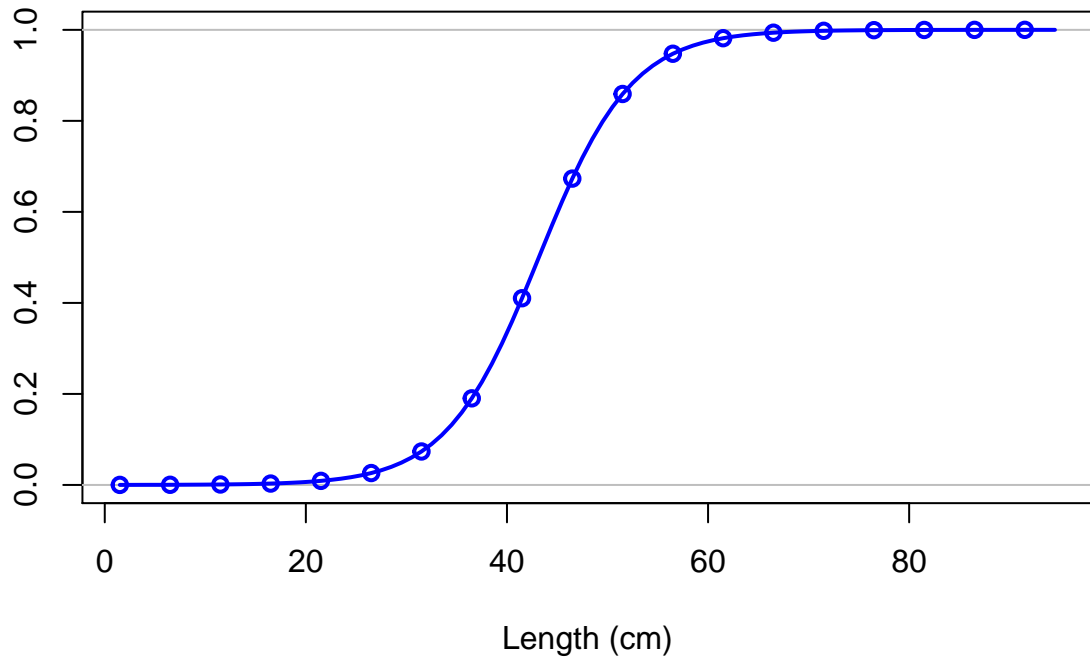
Spawning output



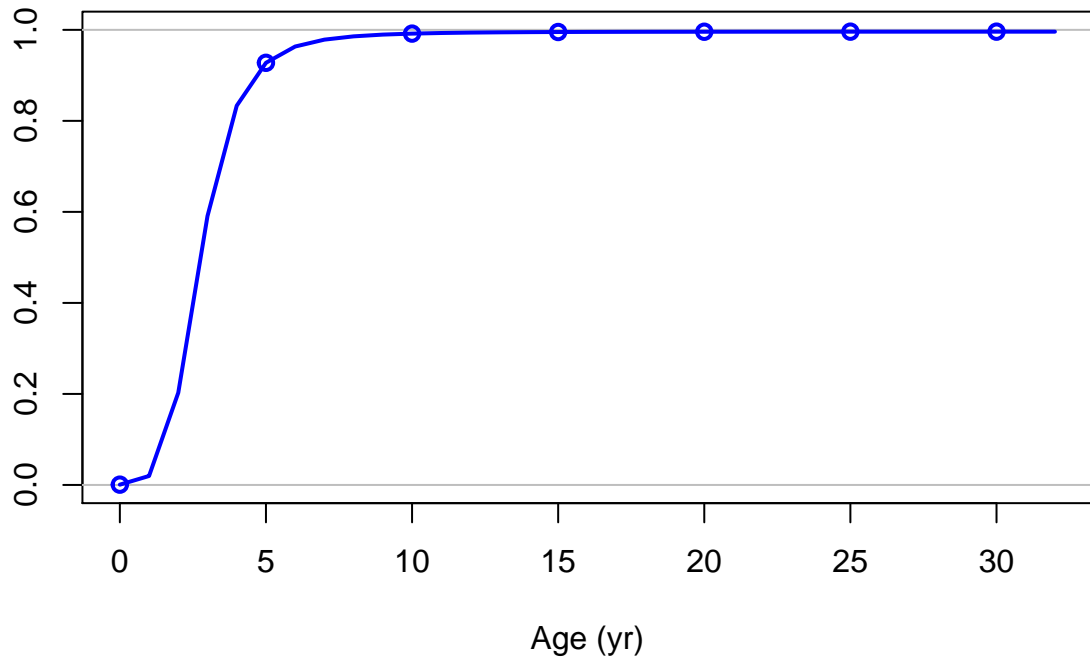
Spawning output



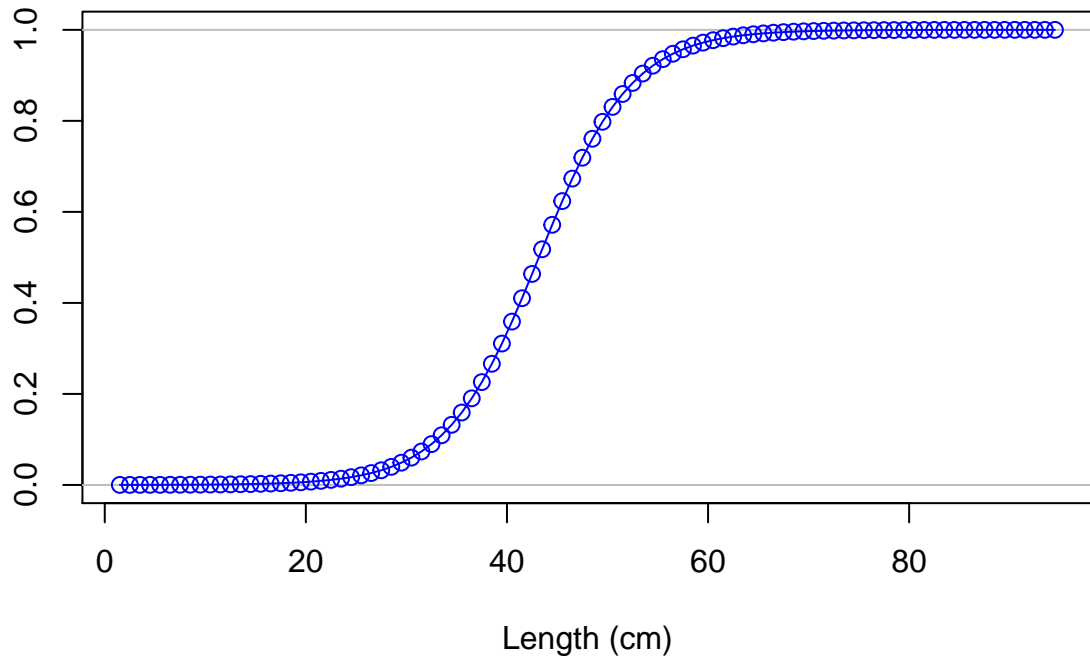
Selectivity

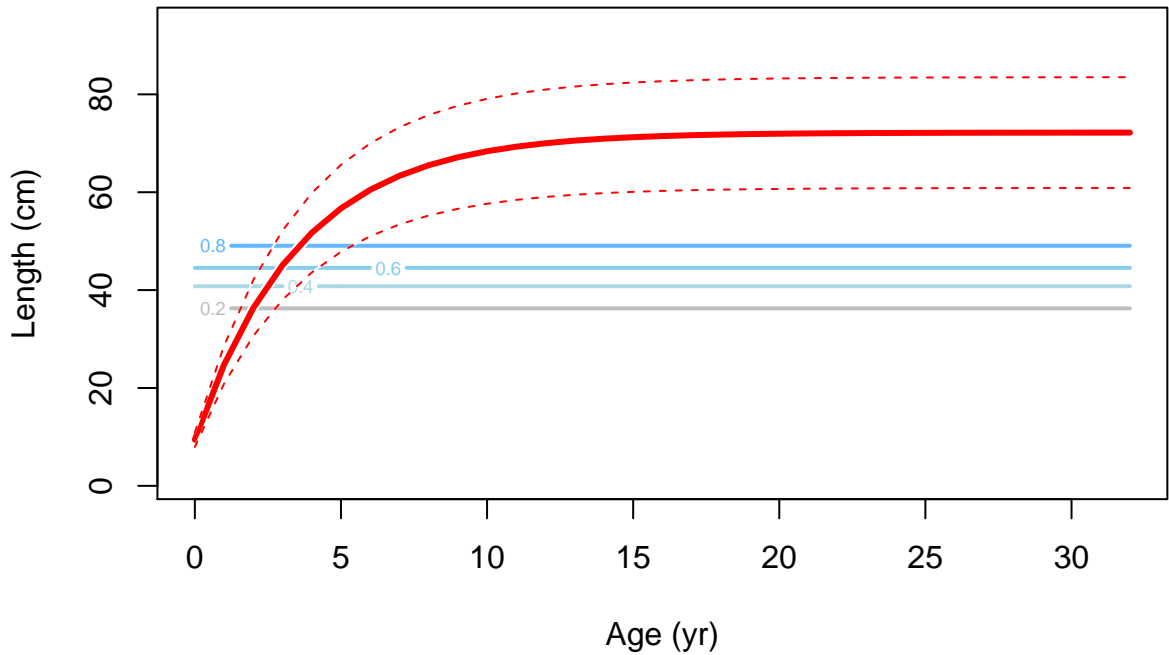


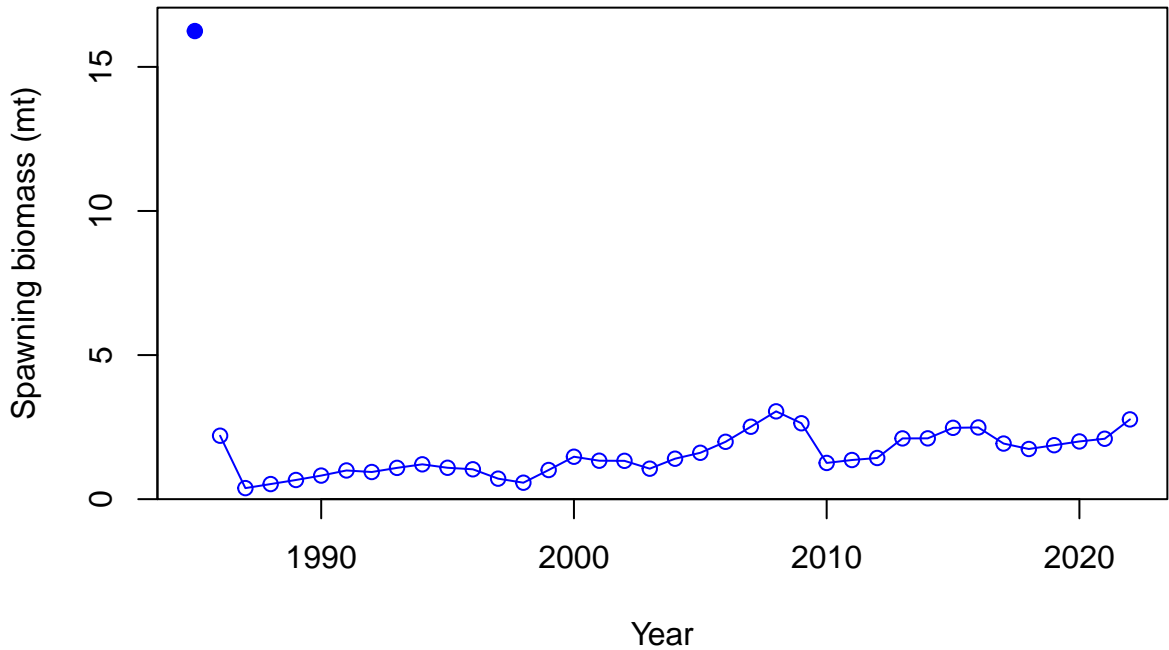
Selectivity

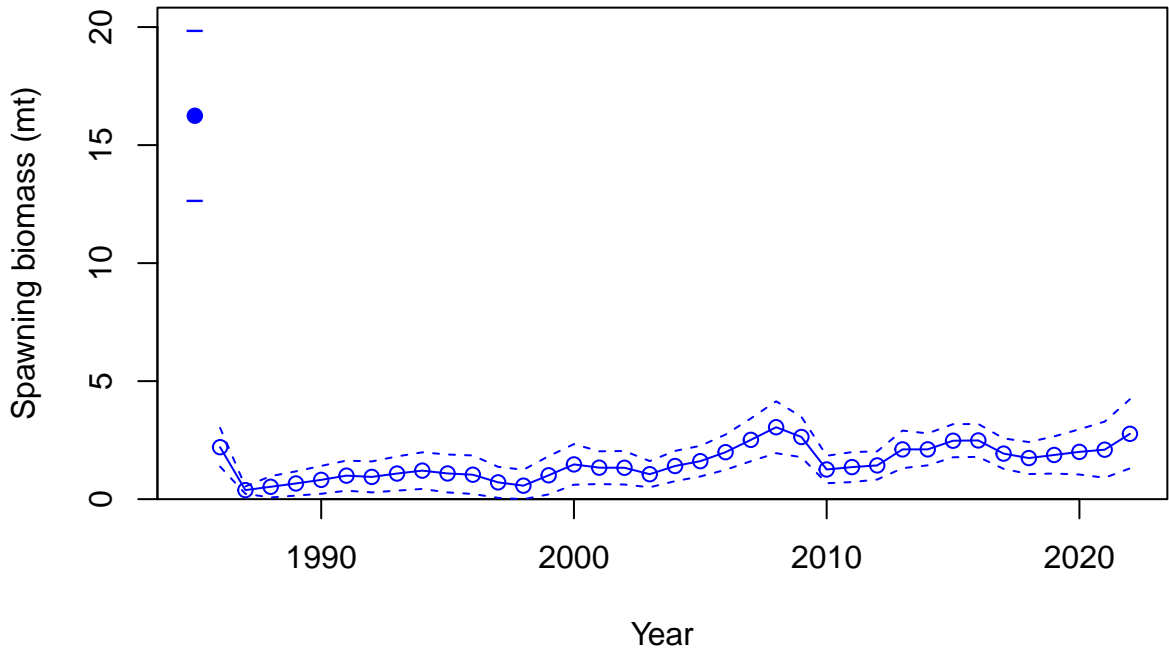


Selectivity

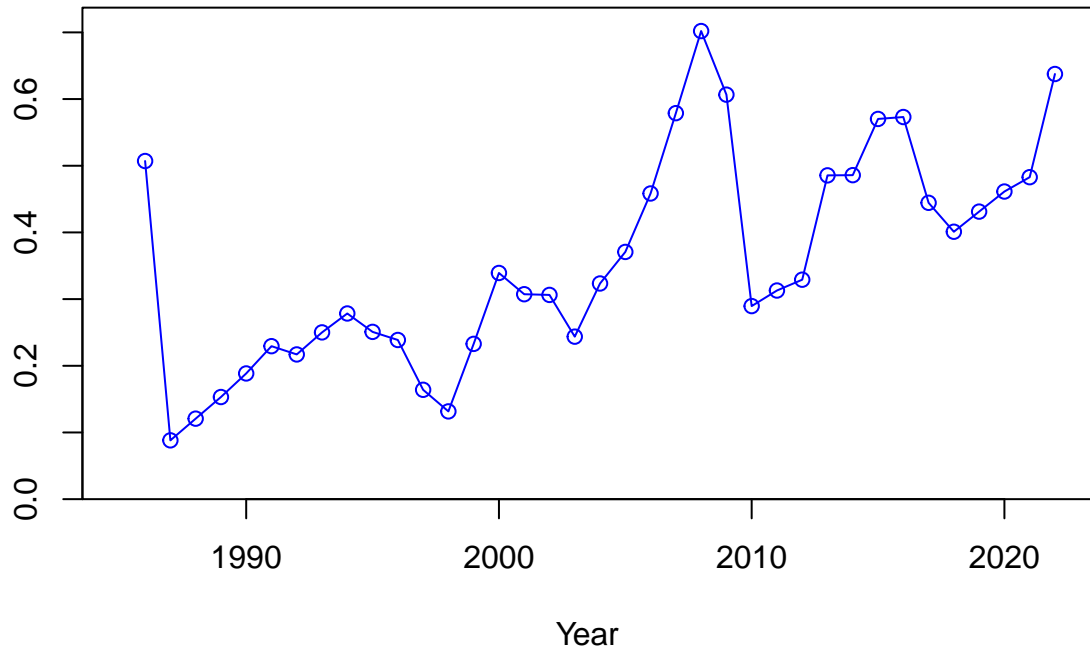




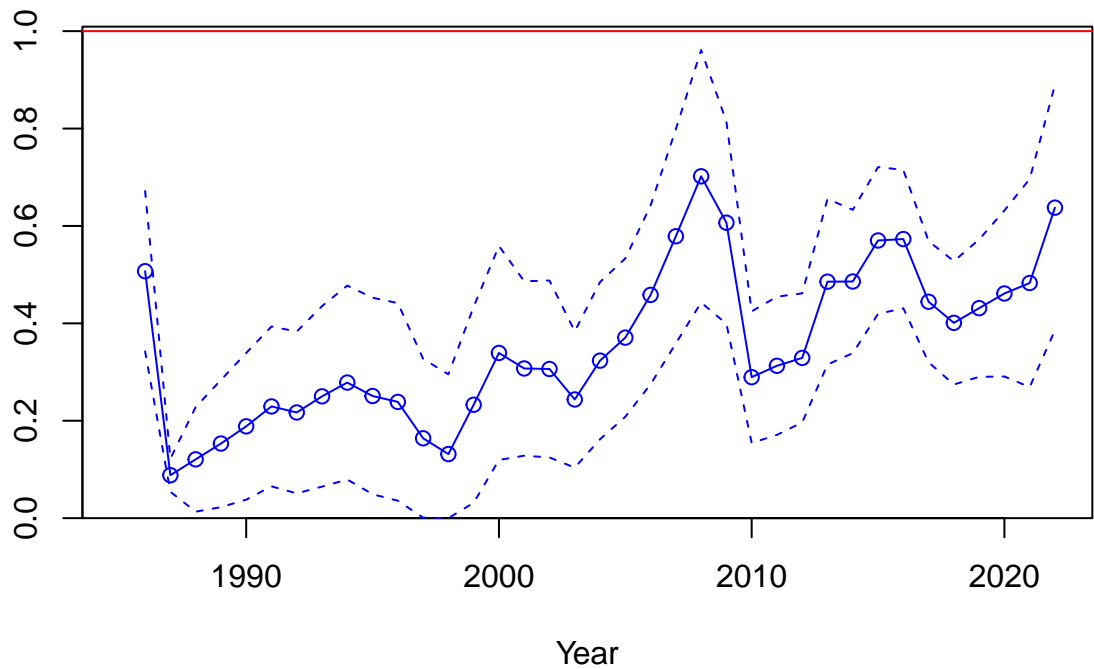


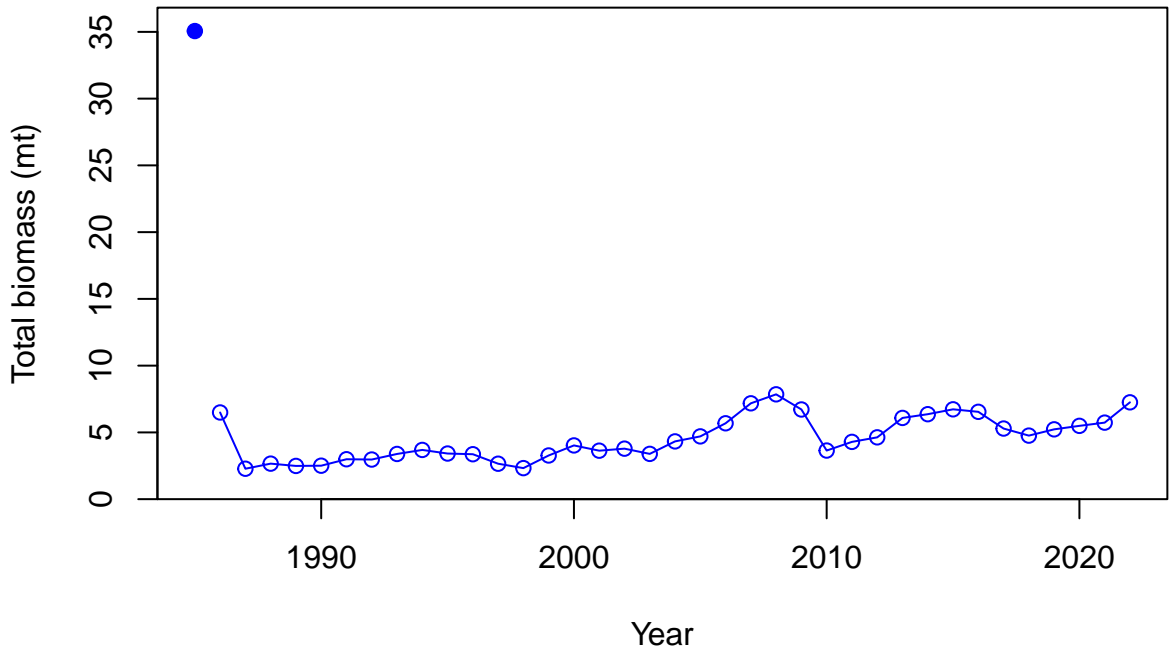


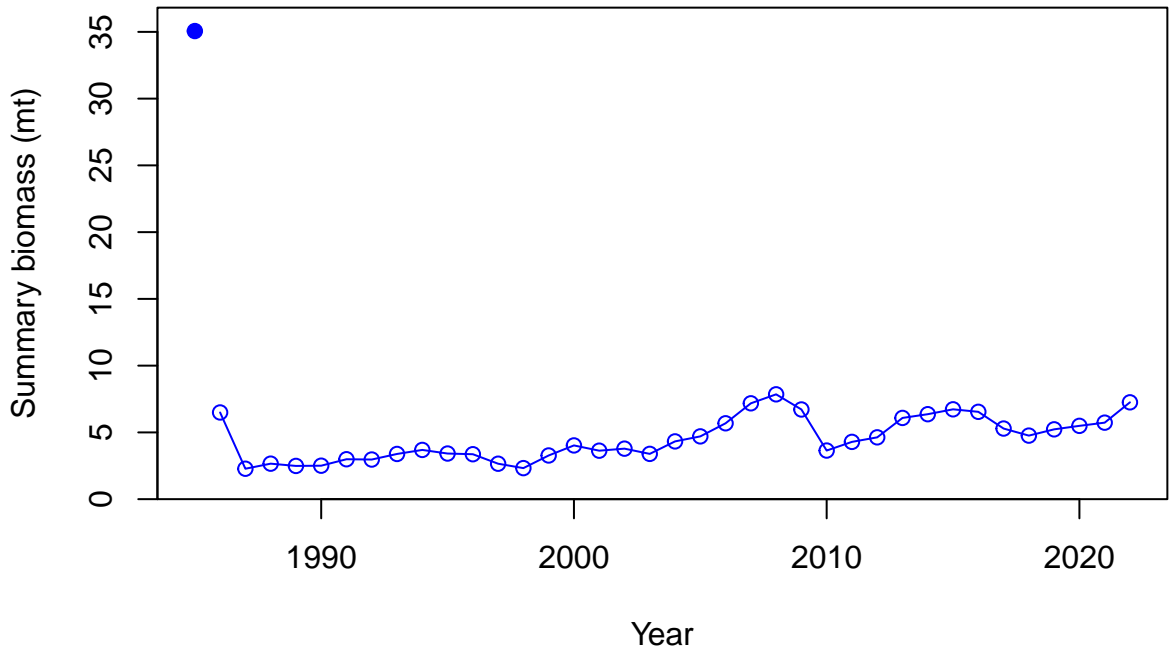
Relative spawning biomass: B/B_{MSY}

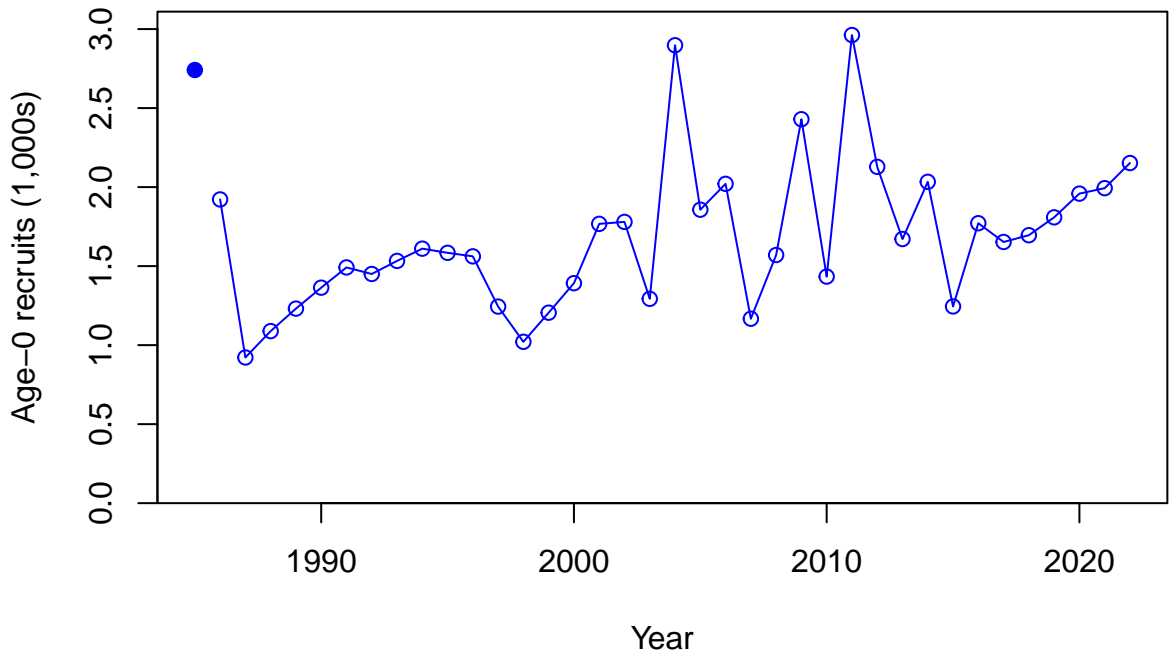


Relative spawning biomass: B/B_{MSY}

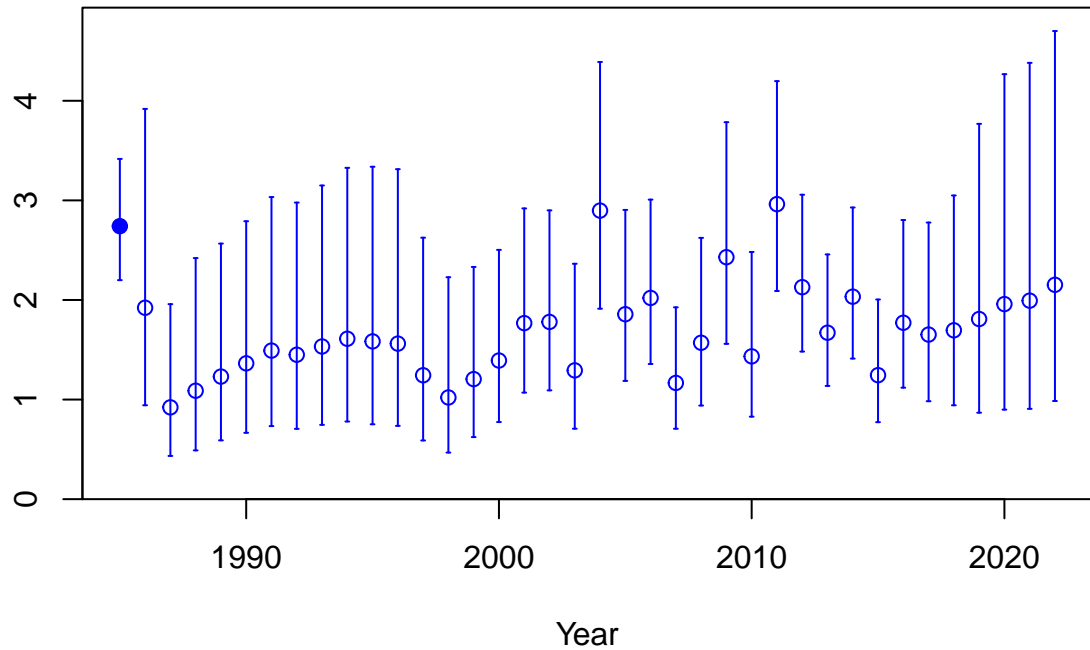




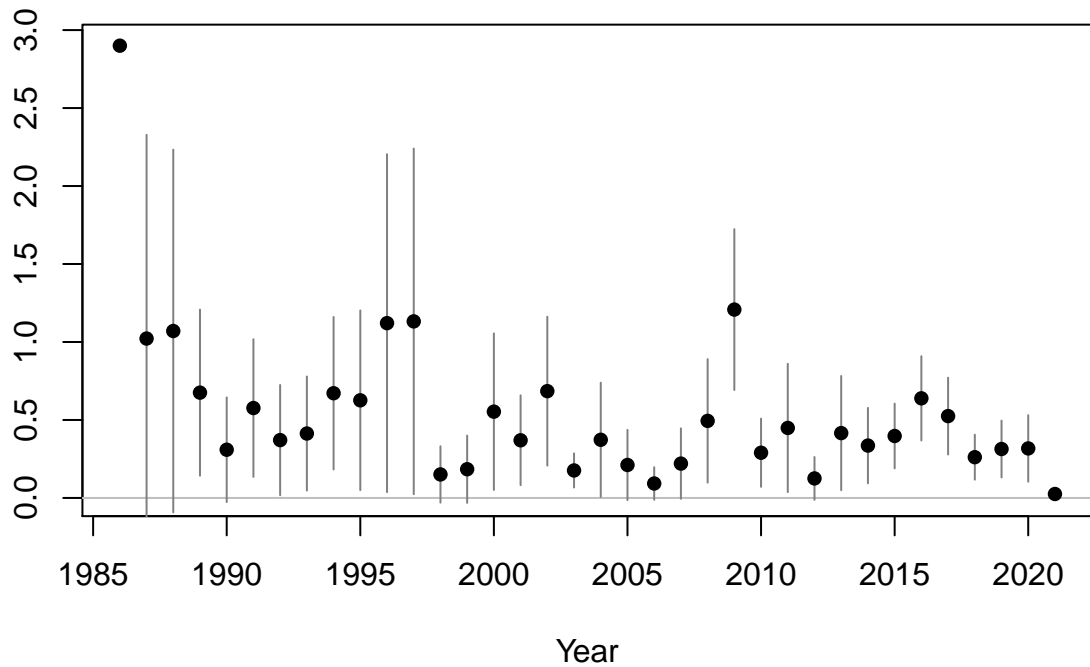


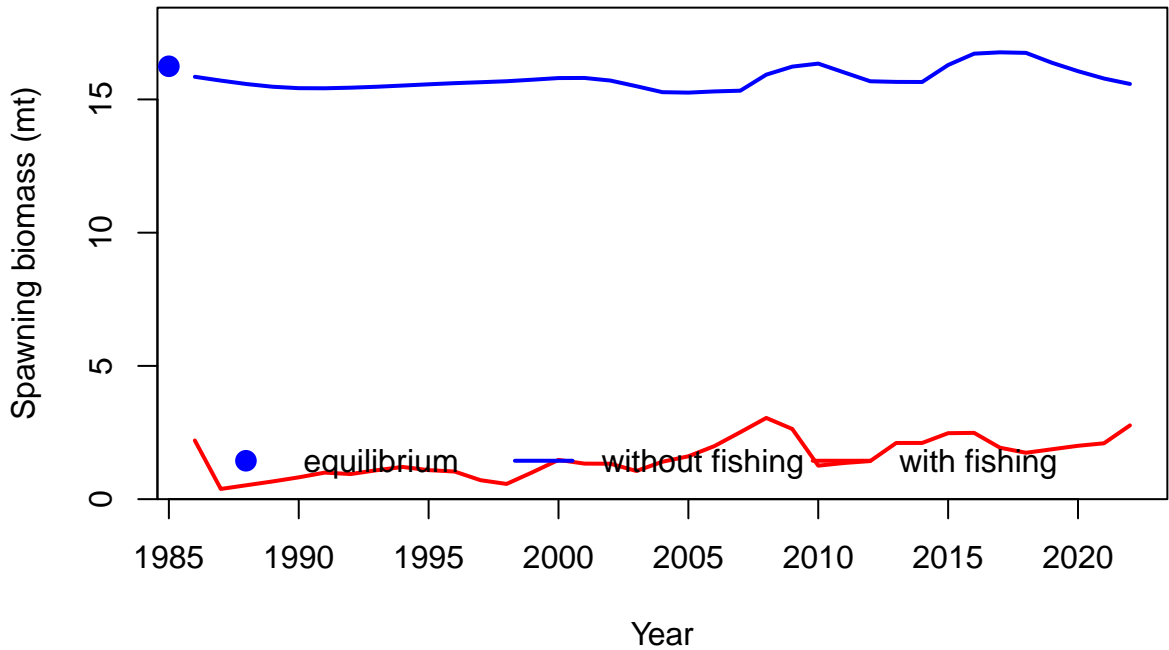


Age-0 recruits (1,000s)

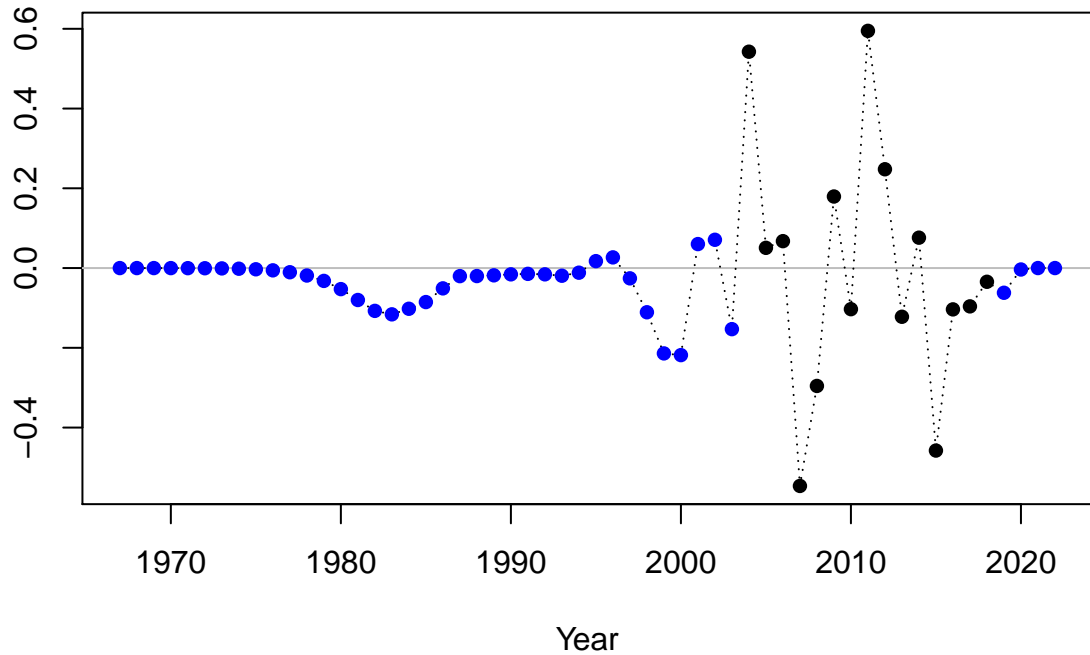


Summary Fishing Mortality

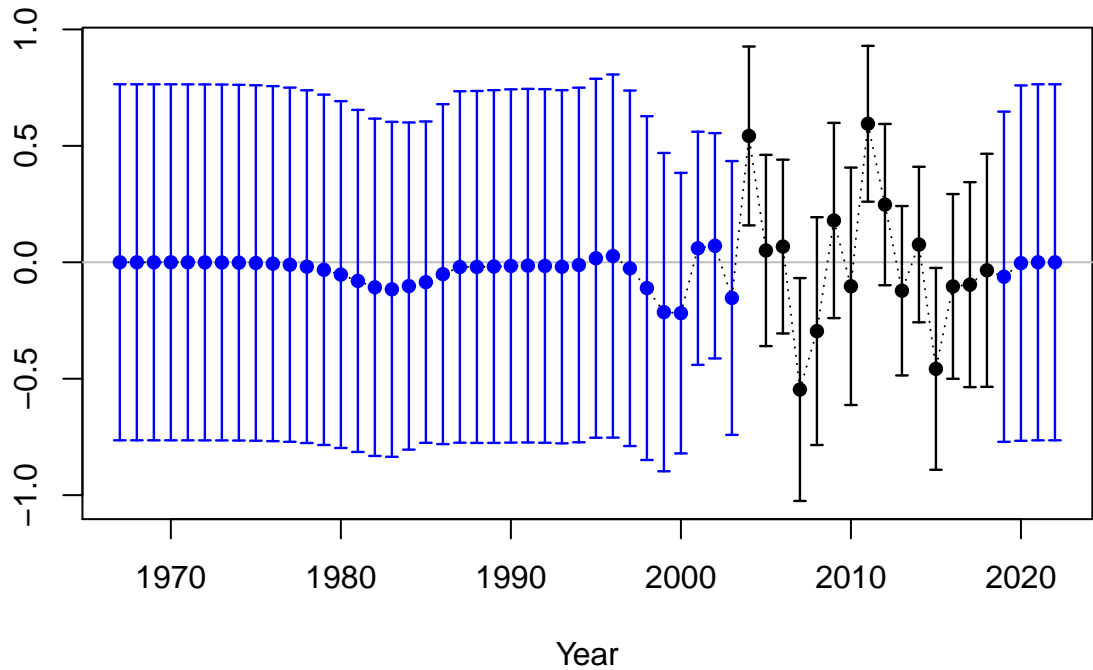




Log recruitment deviation

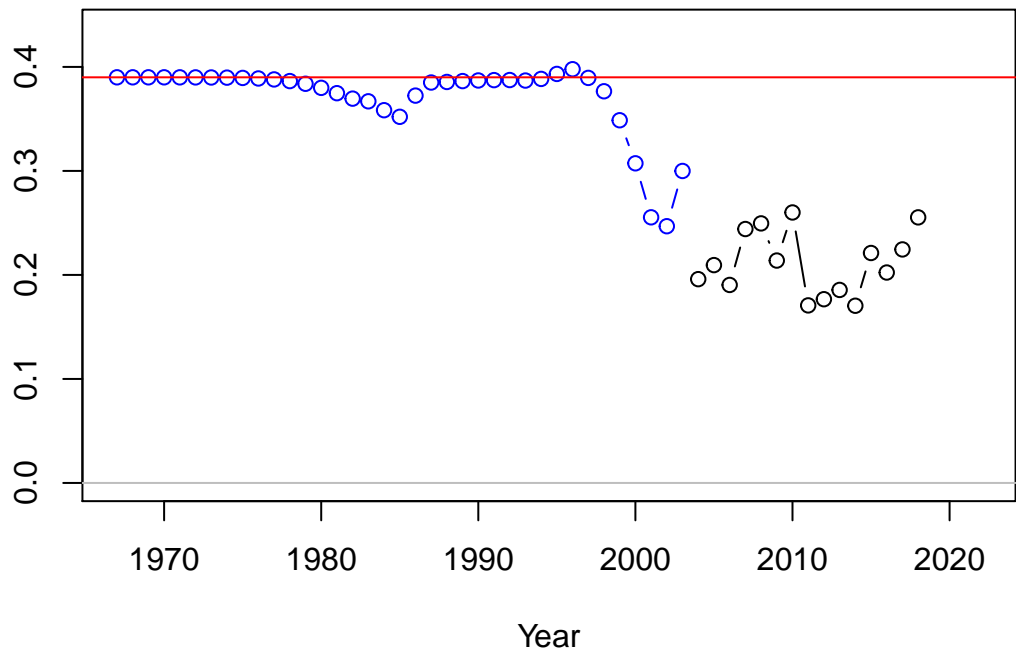


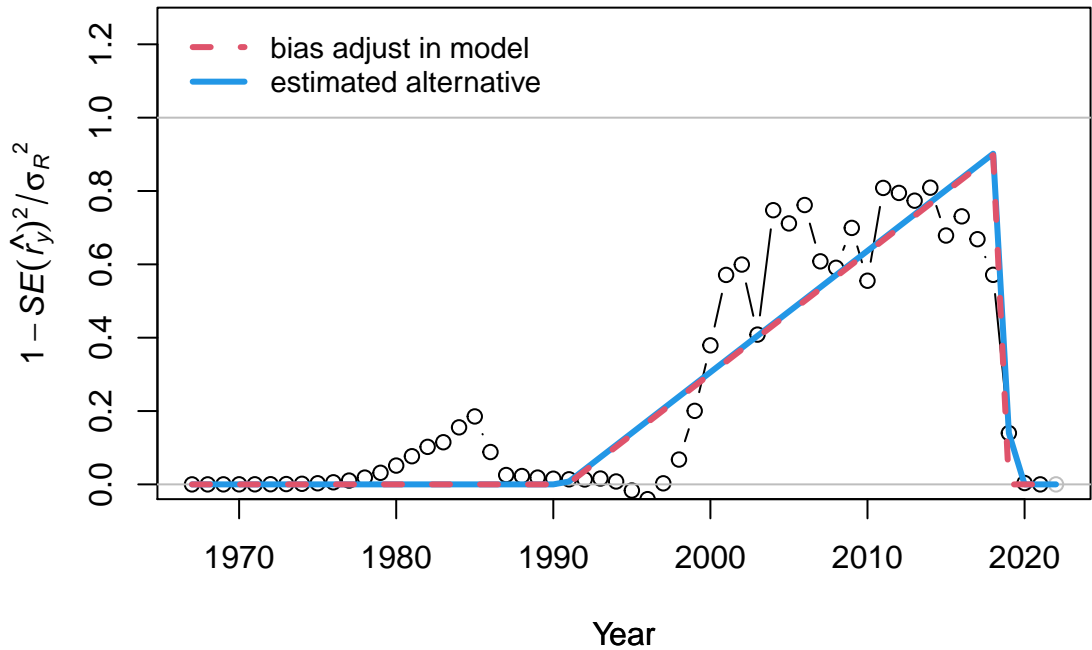
Log recruitment deviation

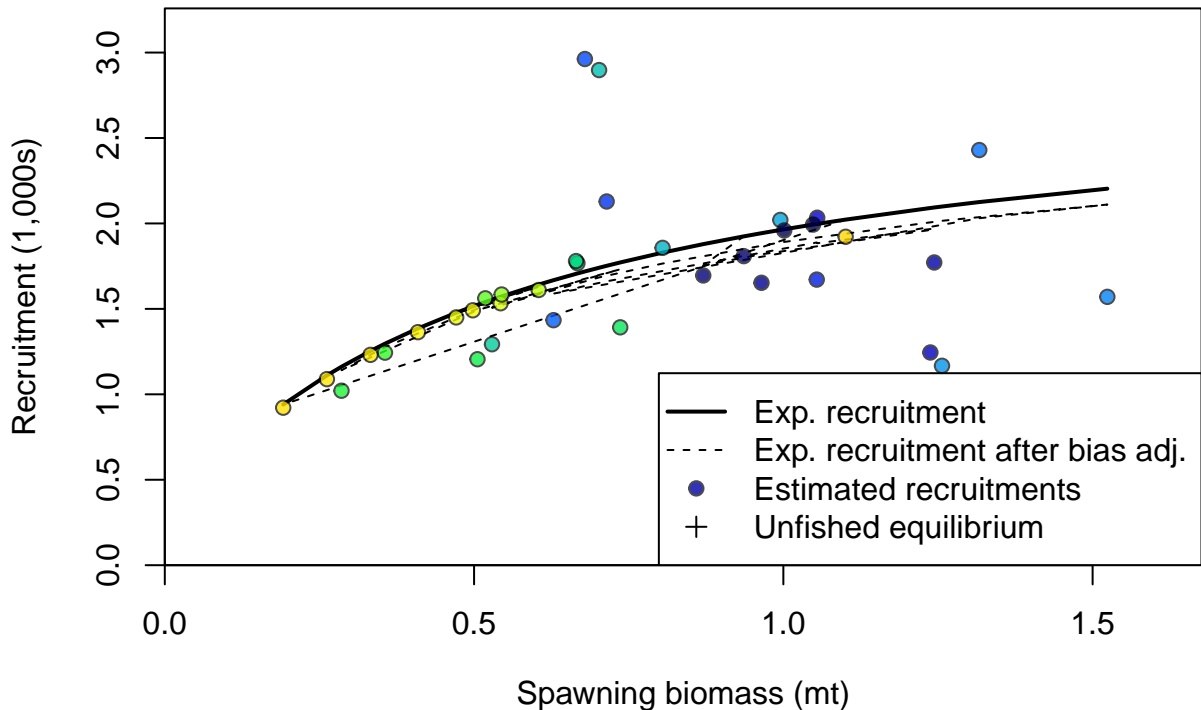


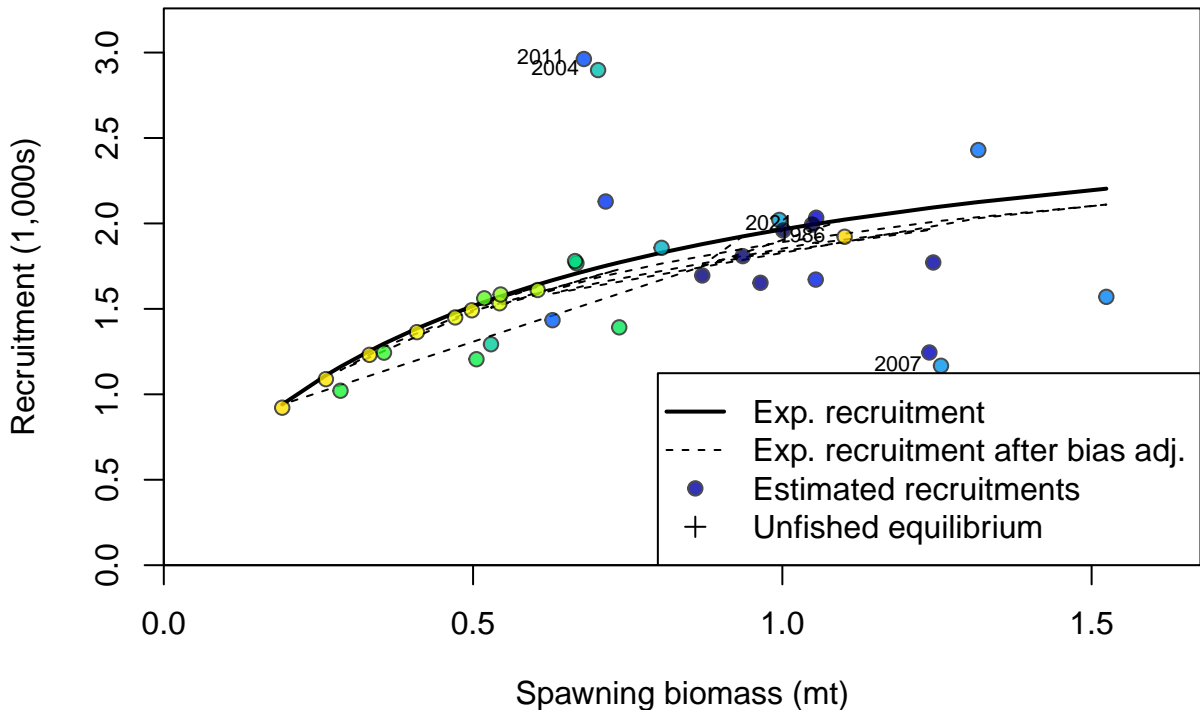
Recruitment deviation variance

Asymptotic standard error estimate









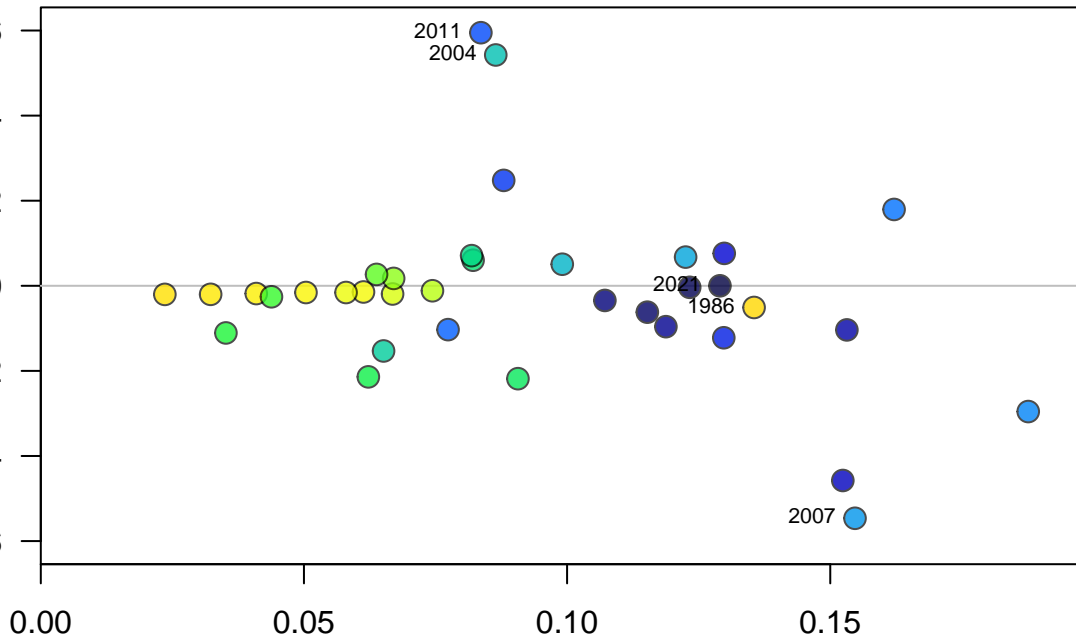
Log recruitment deviation

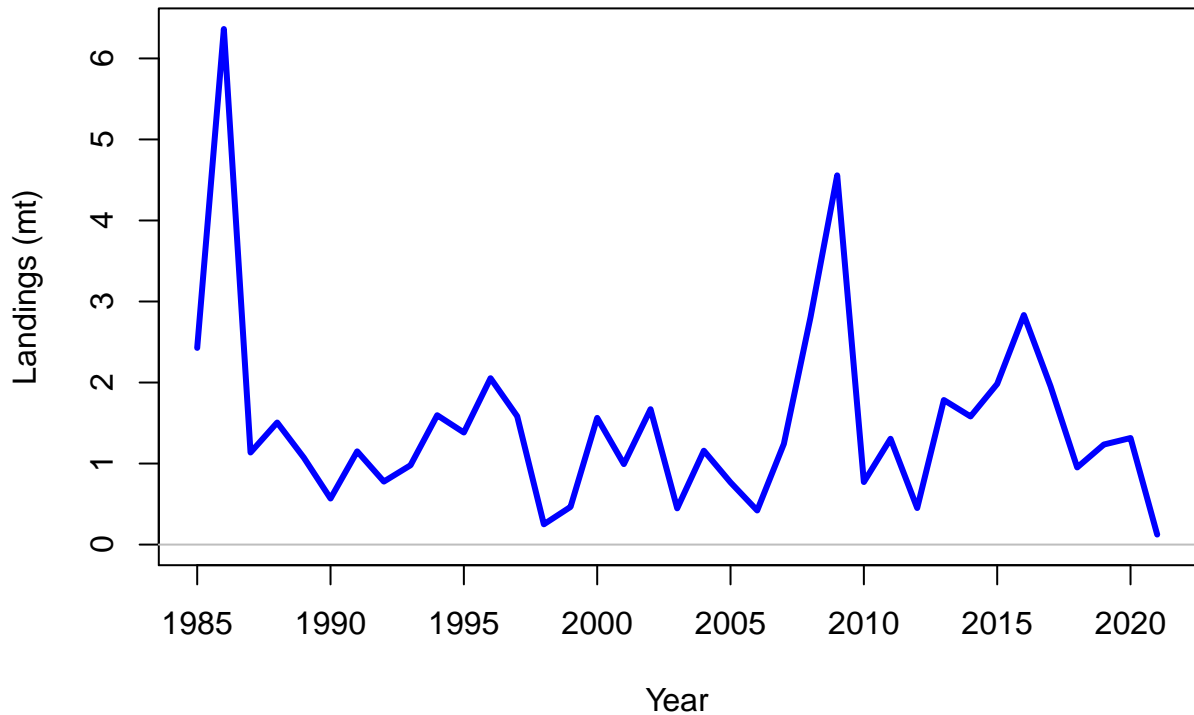
2011
2004

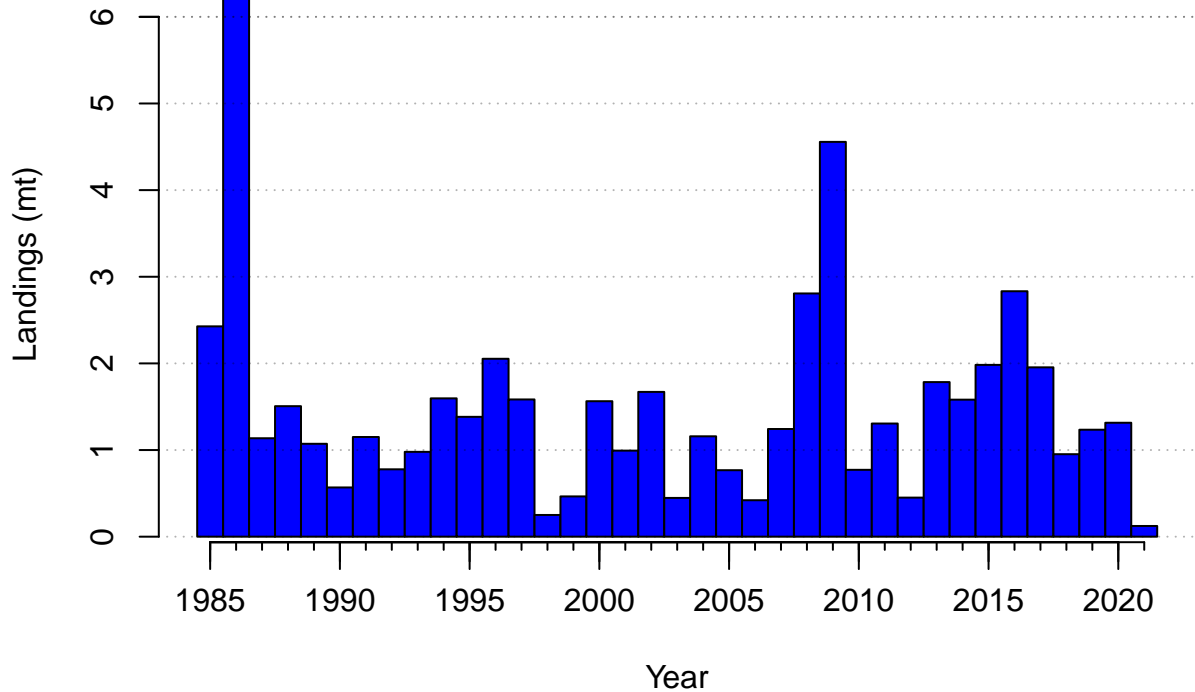
2021
1986

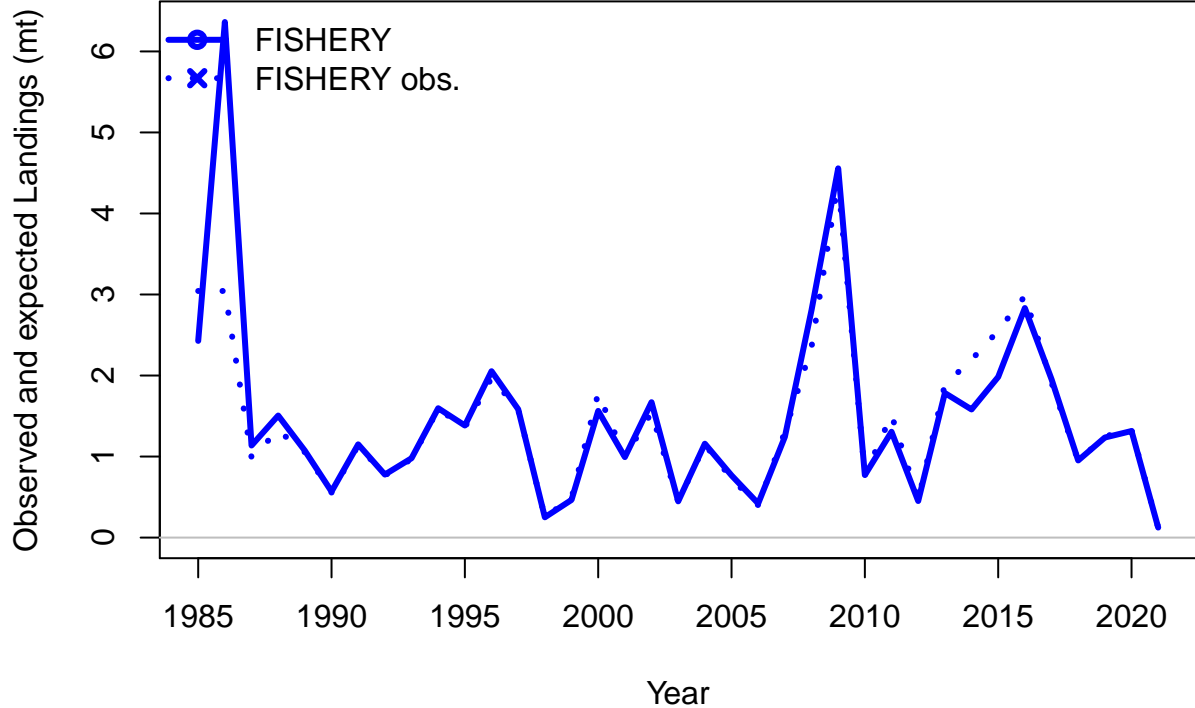
2007

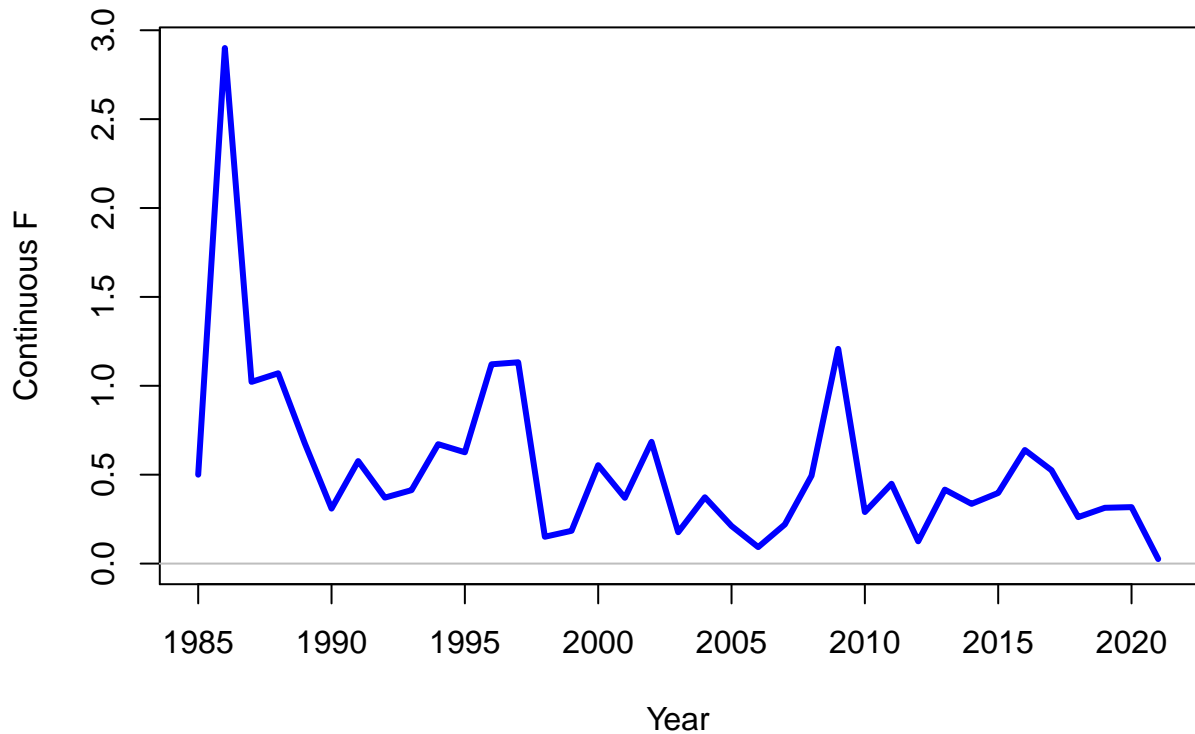
Spawning output (relative to B_0)



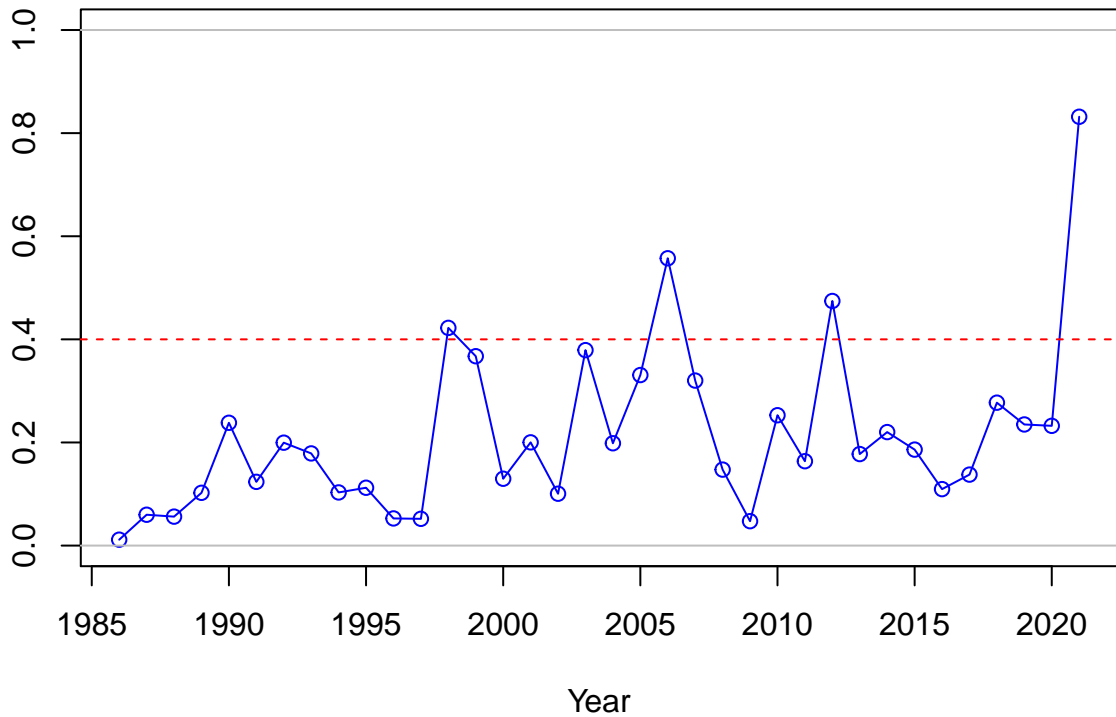




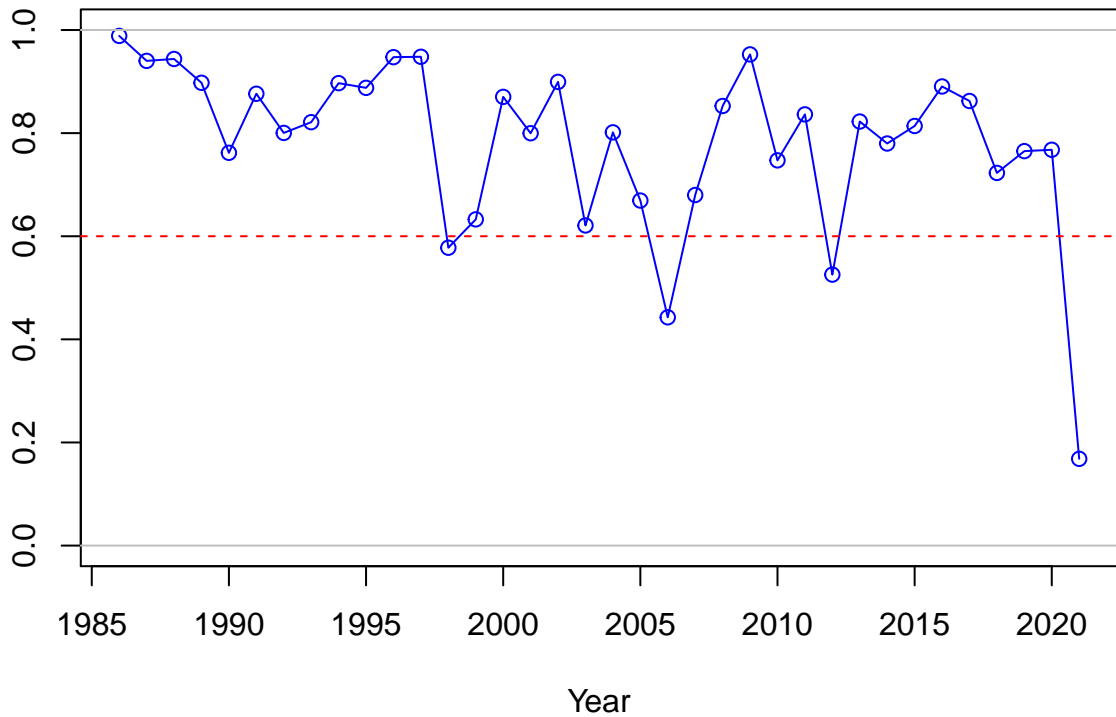




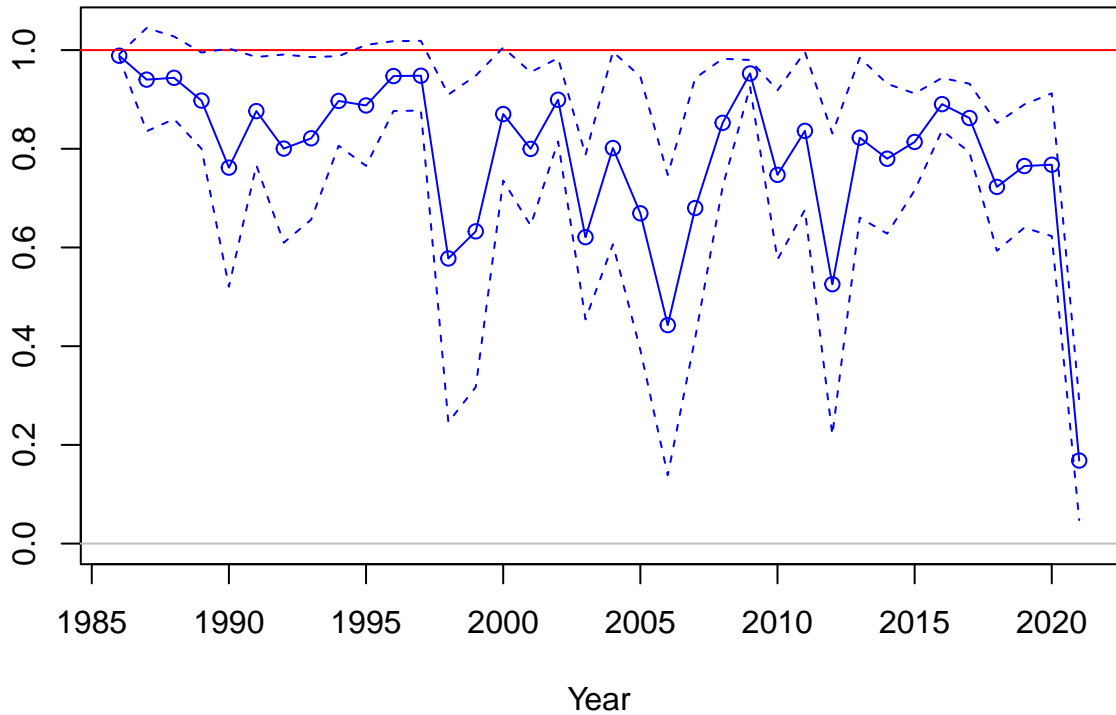
SPR



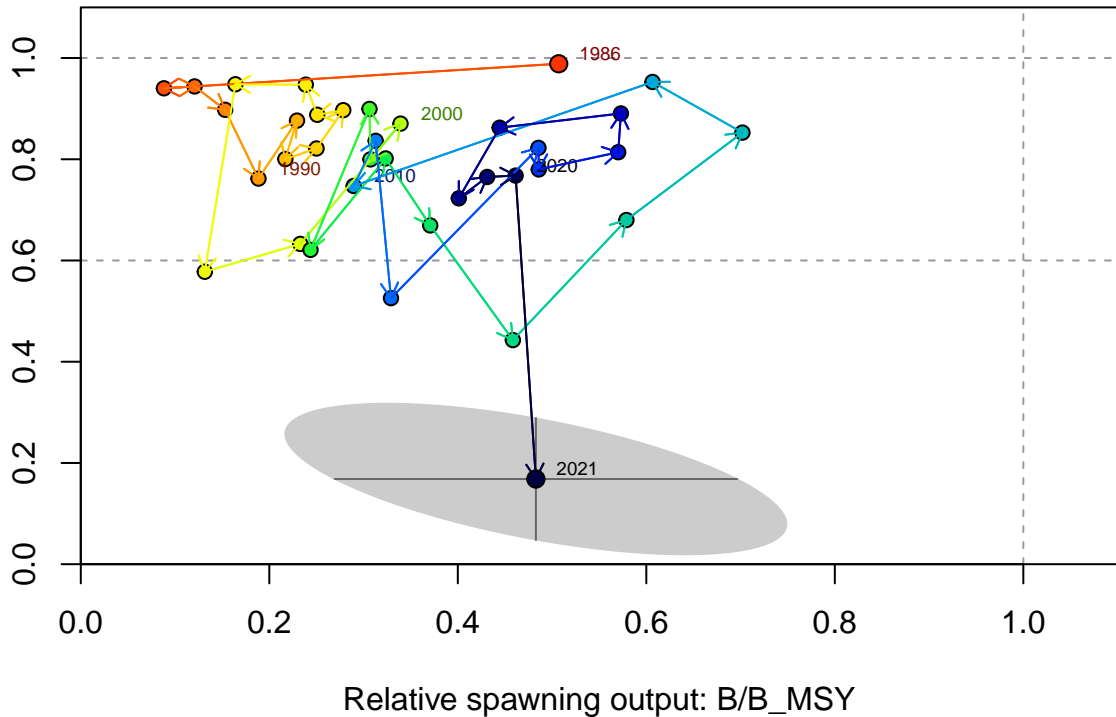
1-SPR

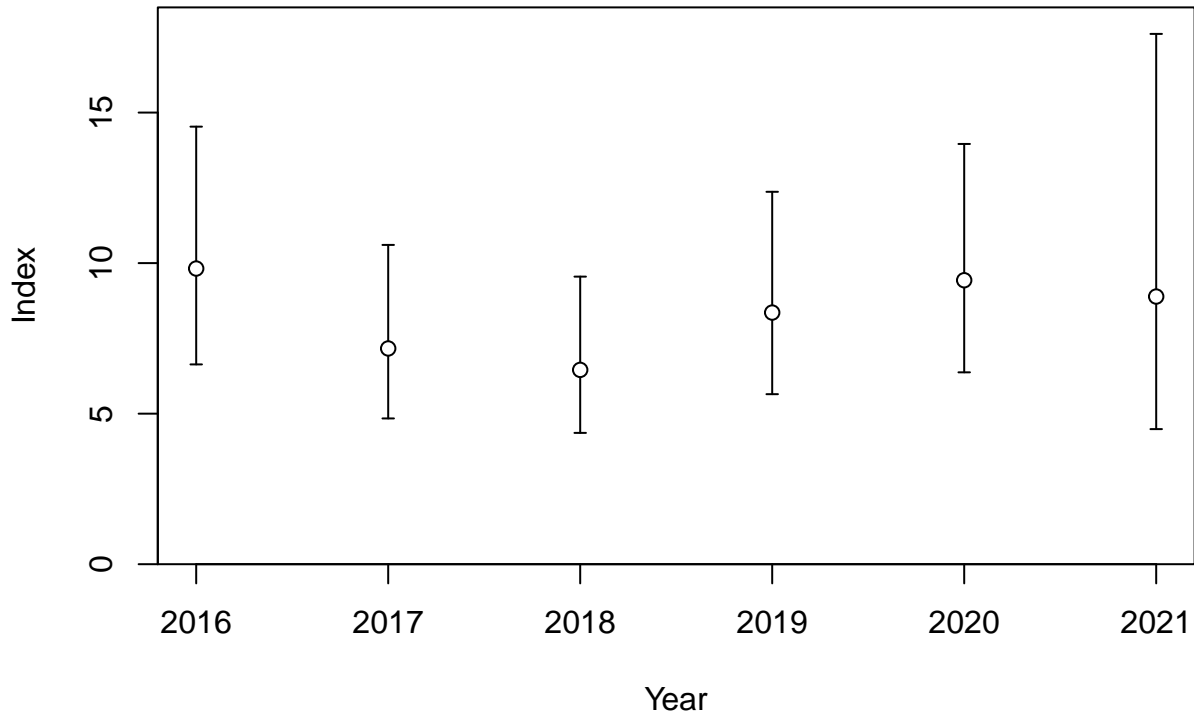


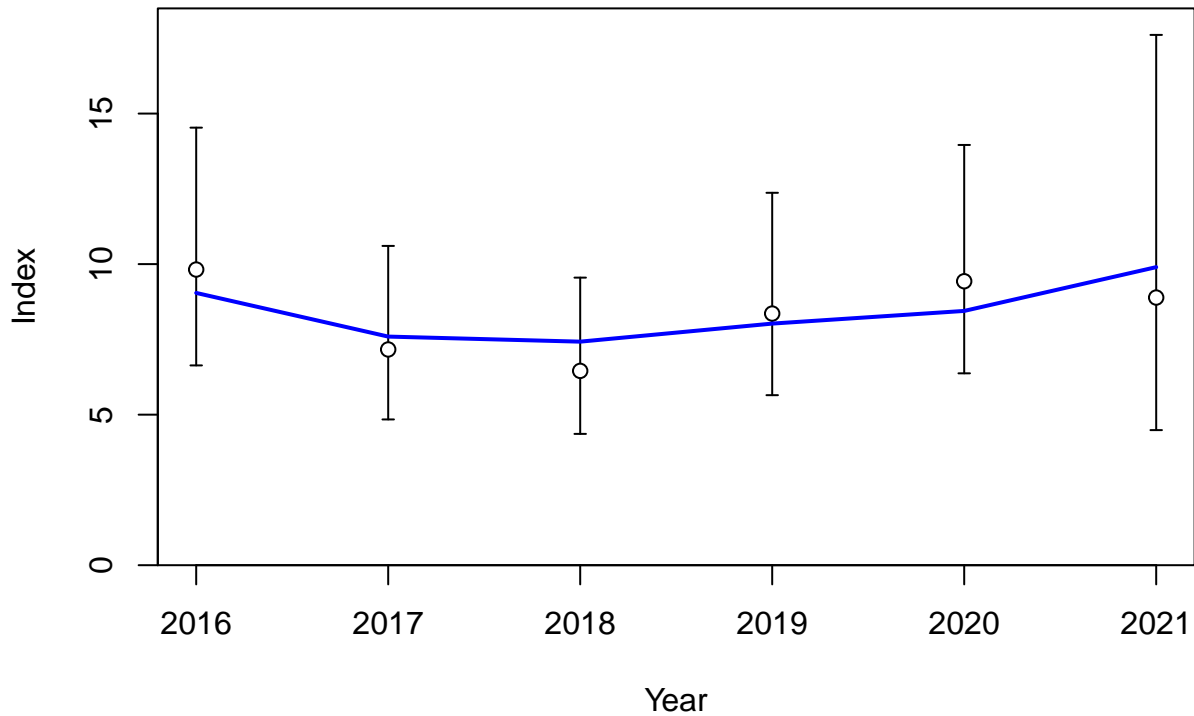
Fishing intensity: 1-SPR

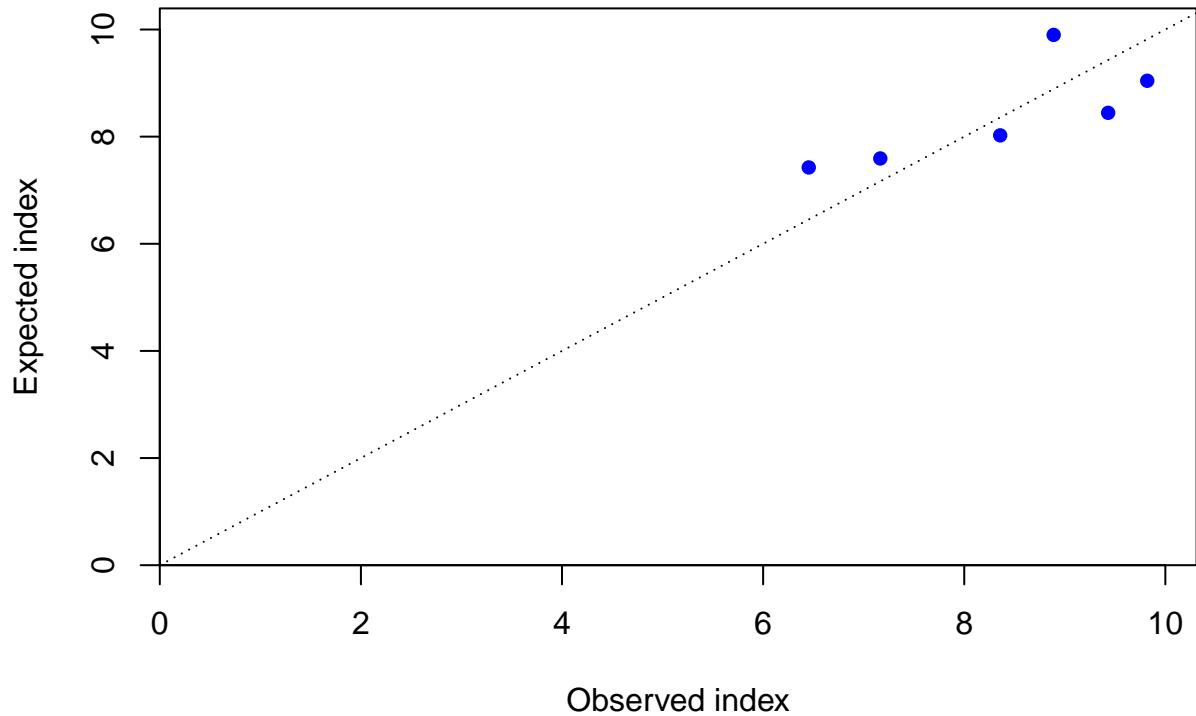


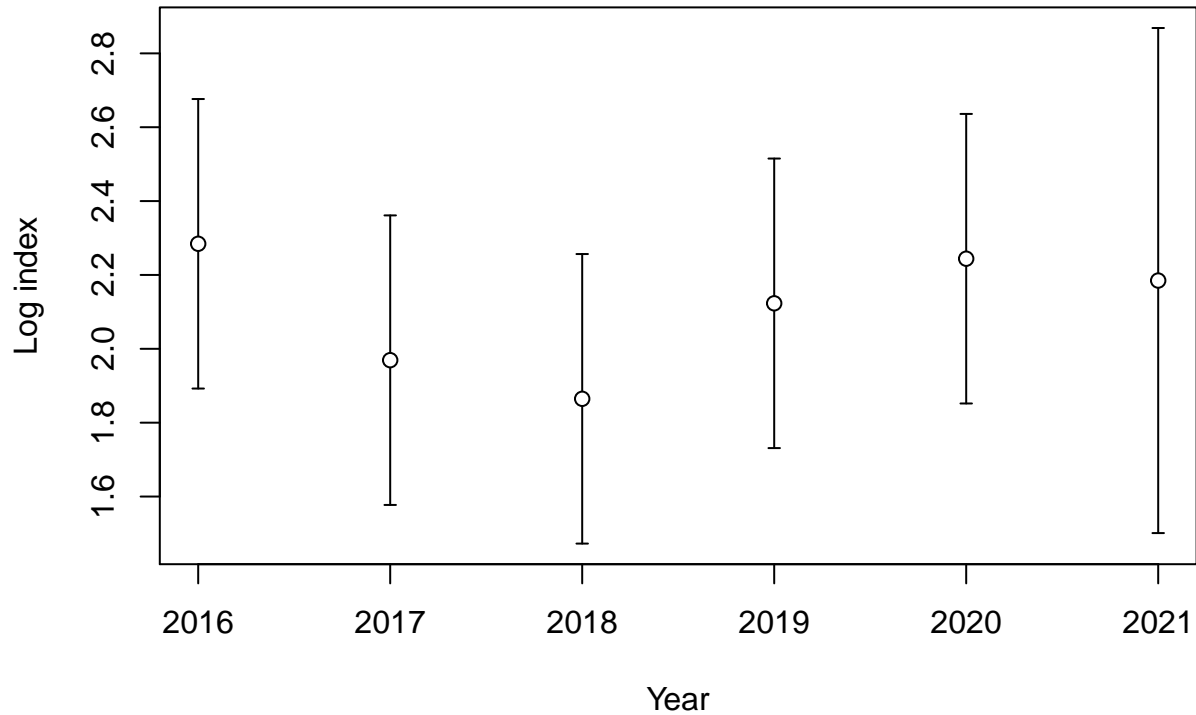
Fishing intensity: 1-SPR

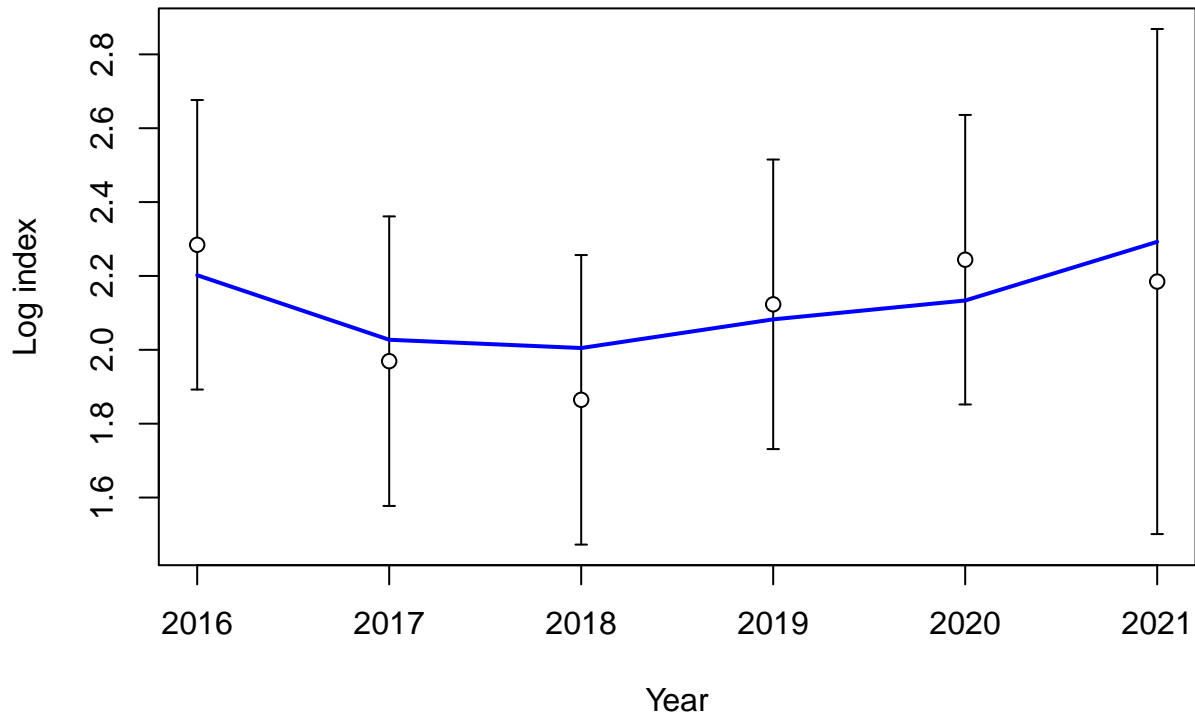


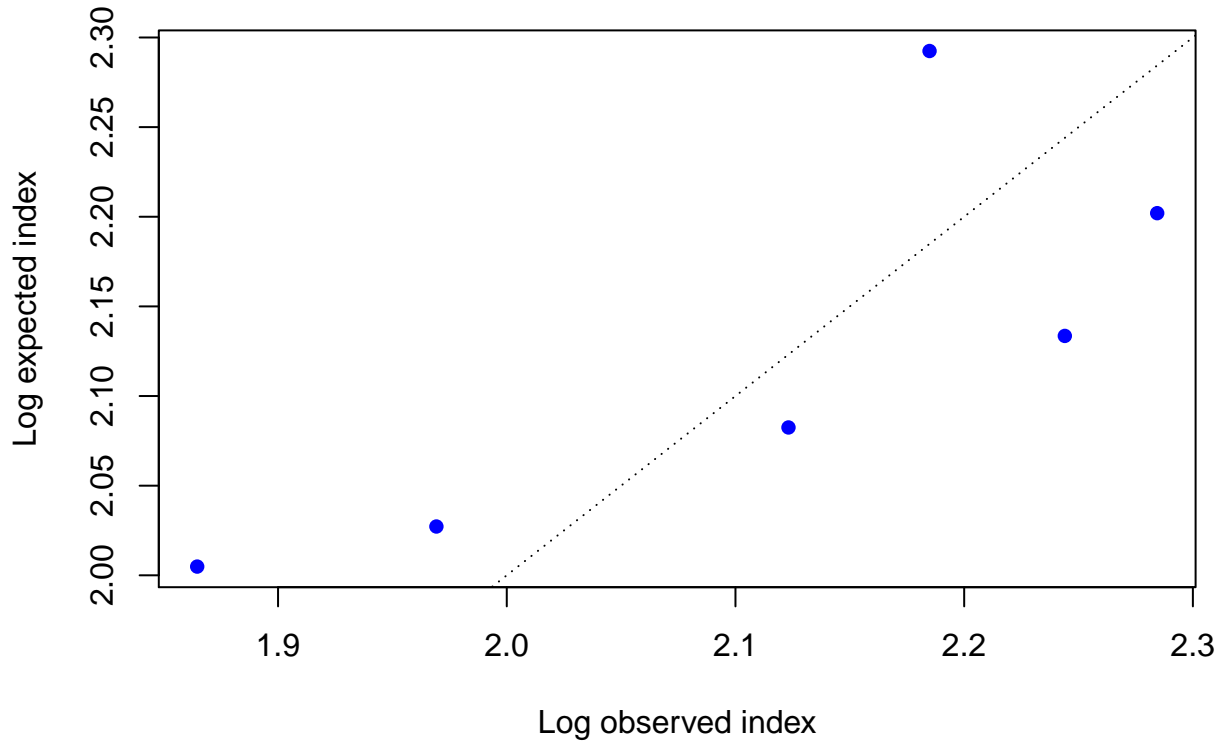


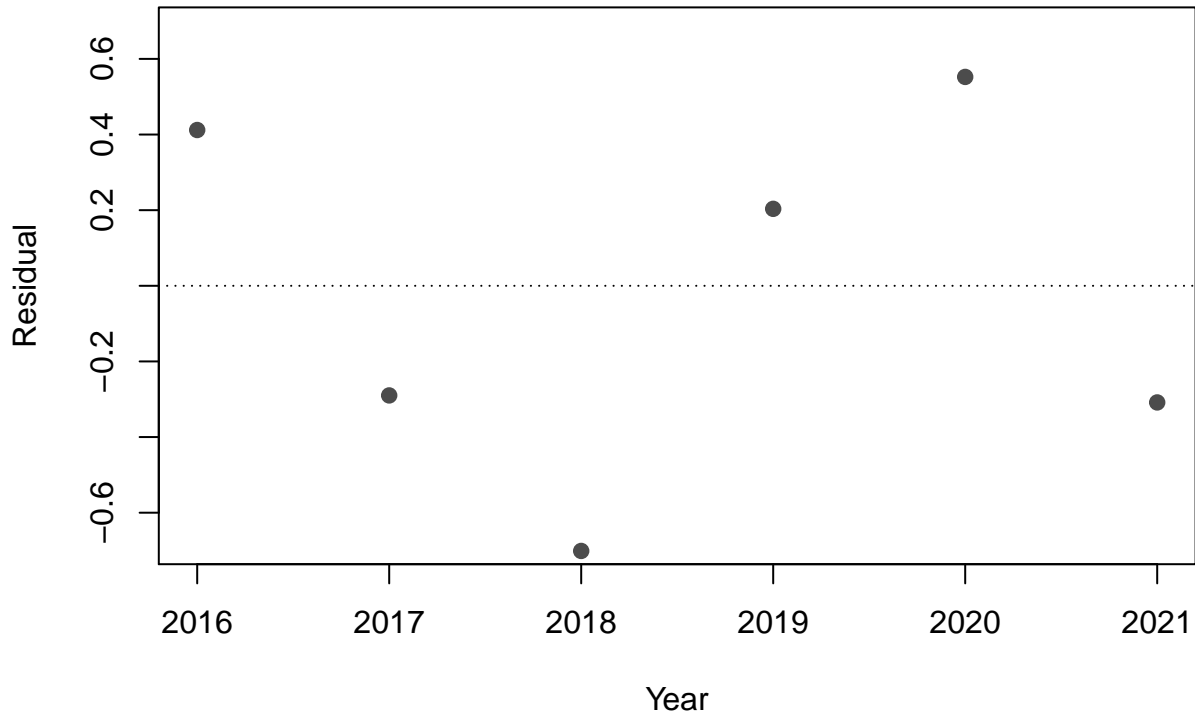


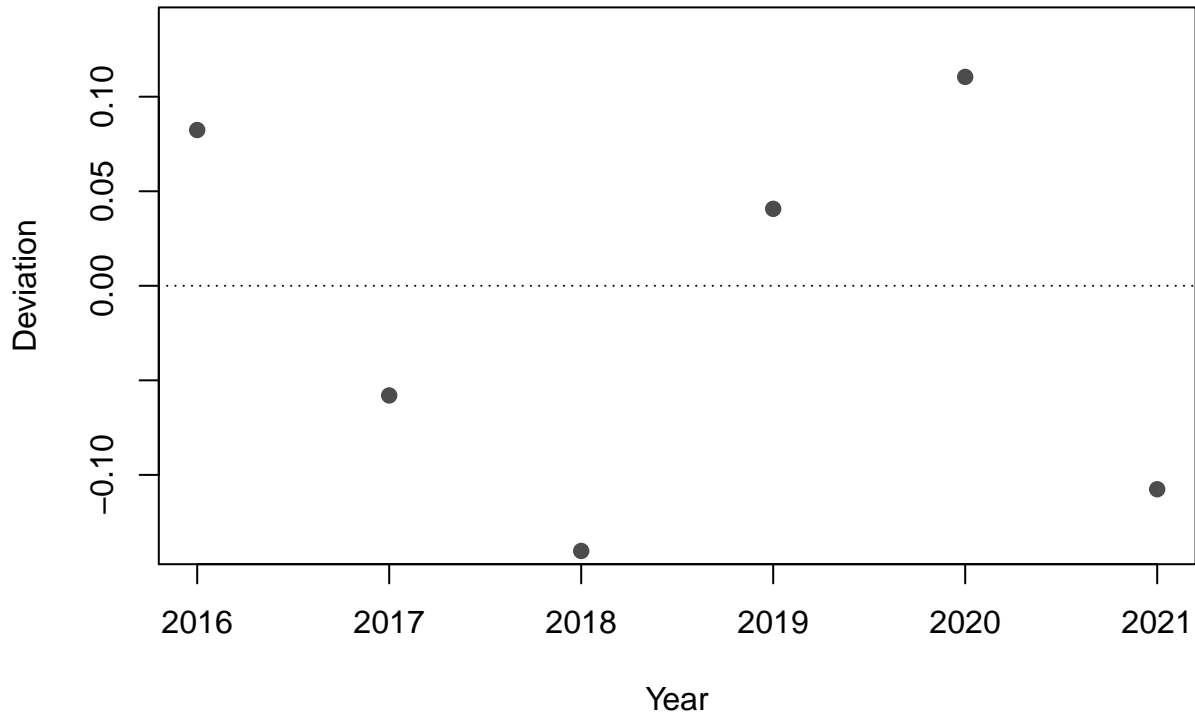


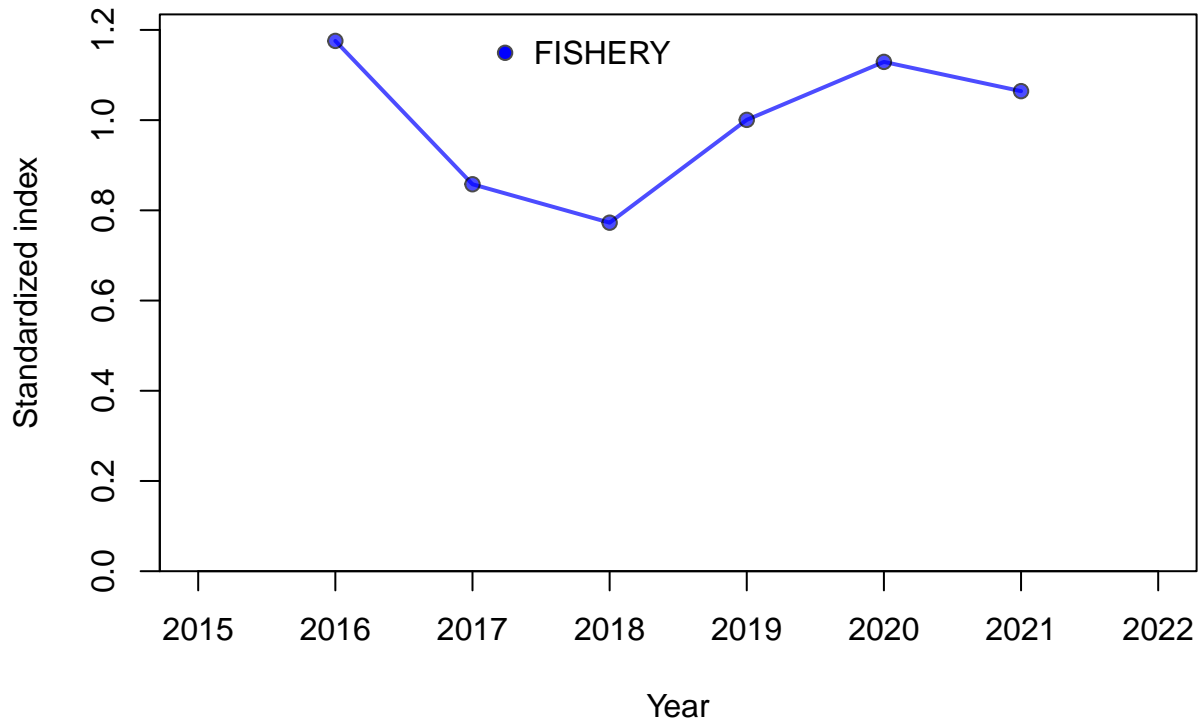


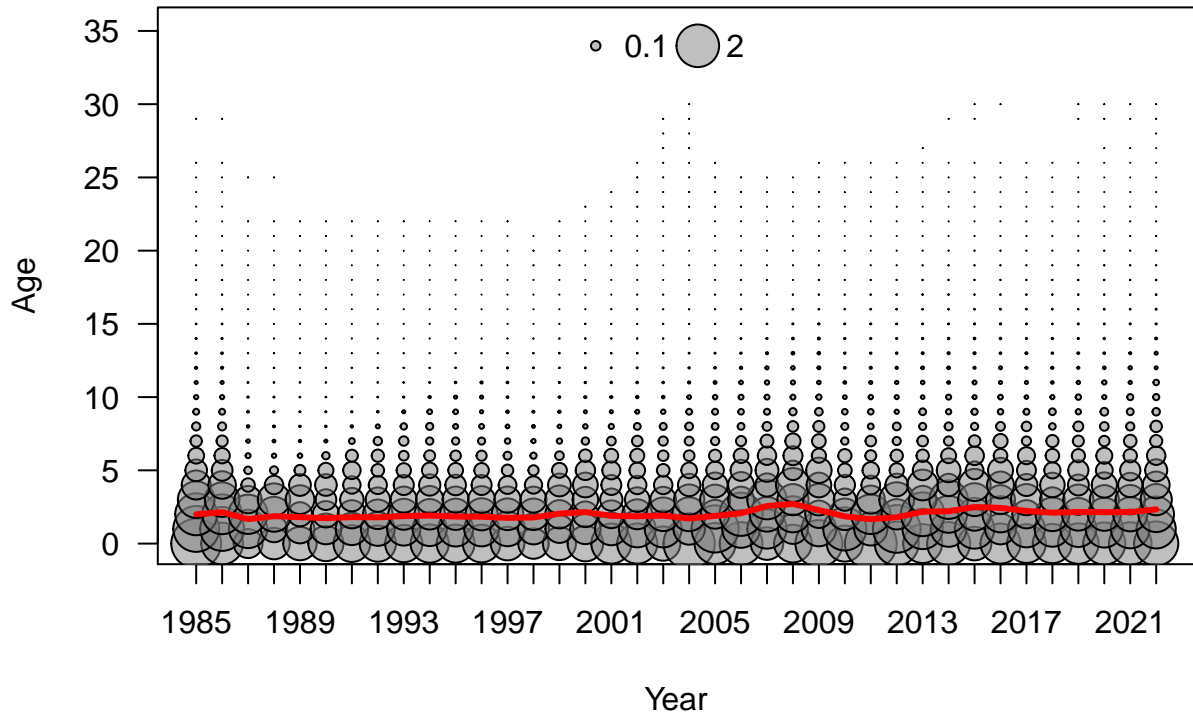












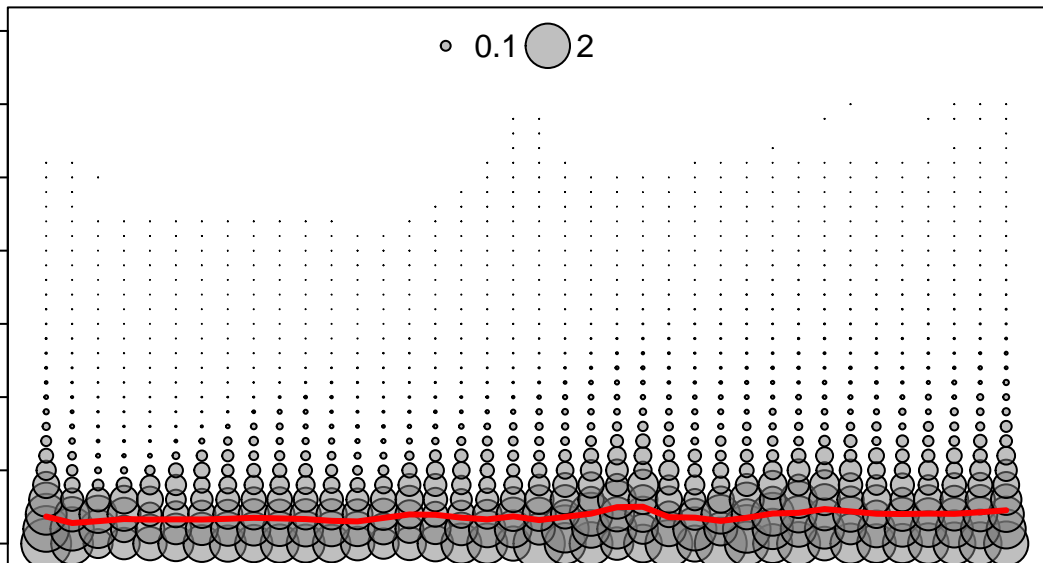
Age

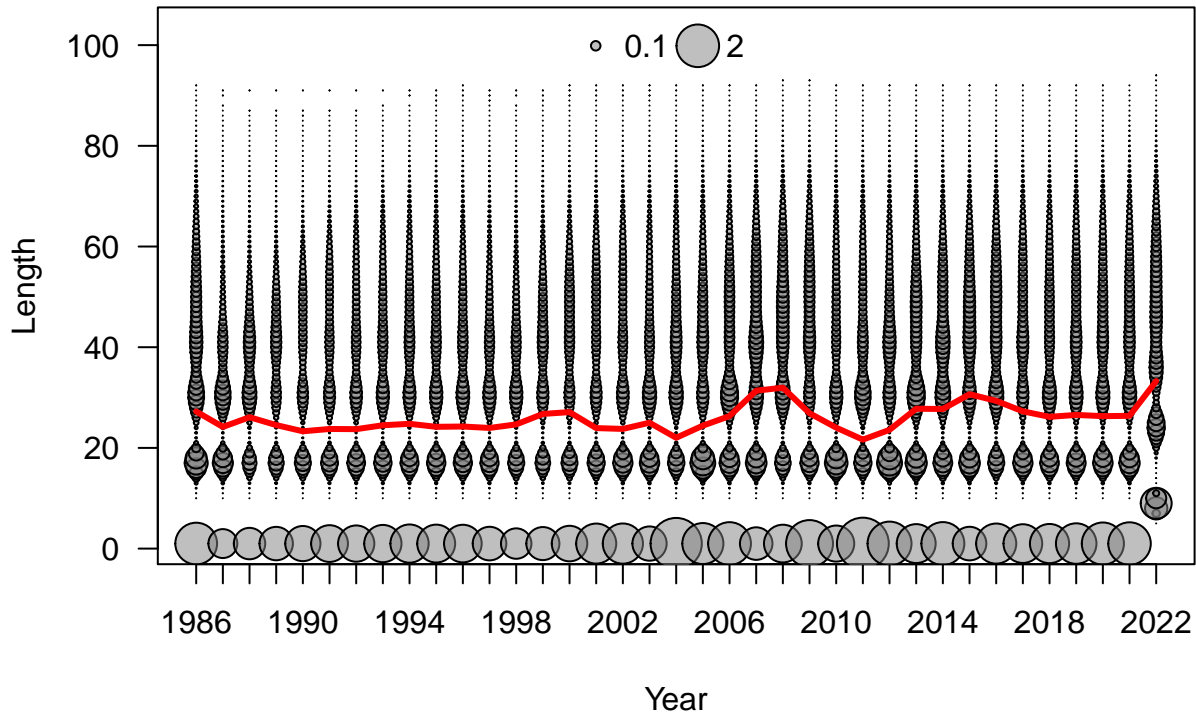
35
30
25
20
15
10
5
0

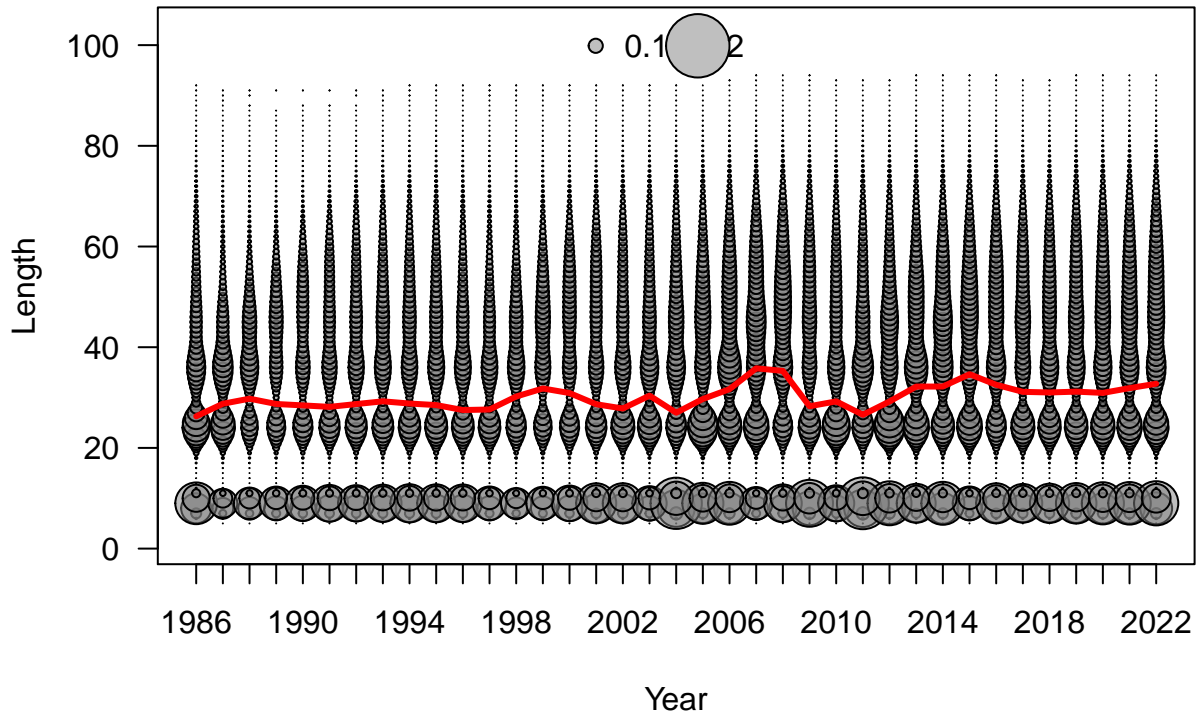
◦ 0.1 ◉ 2

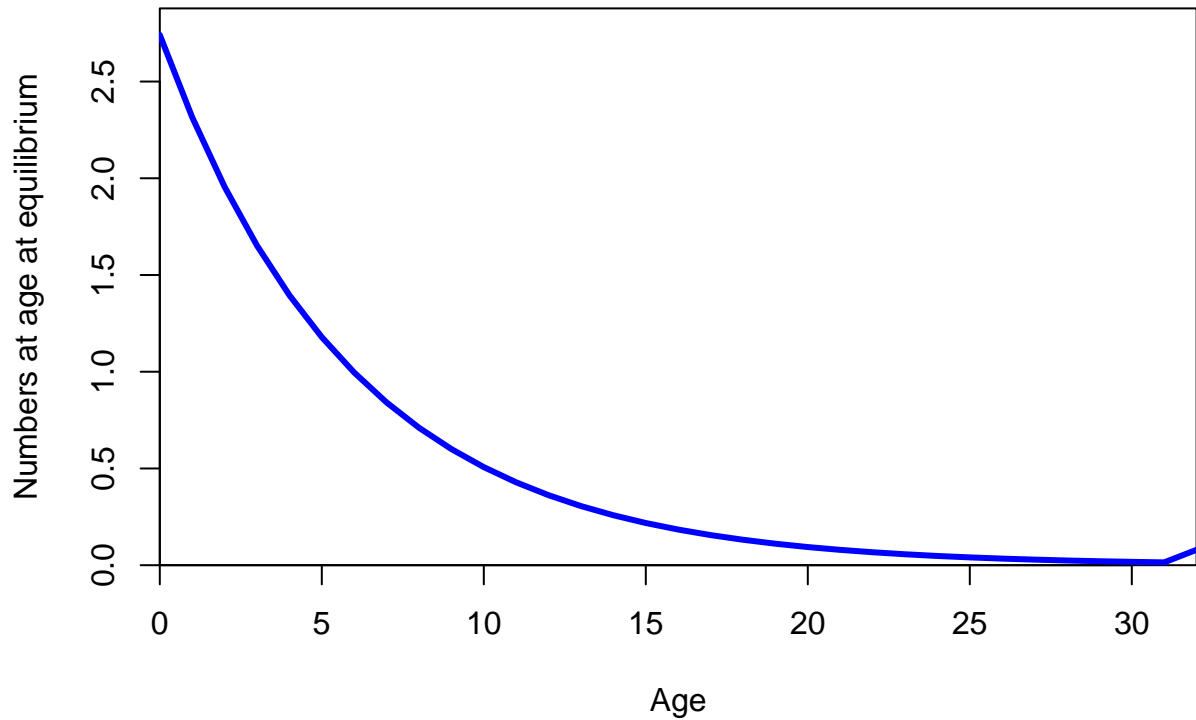
1985 1989 1993 1997 2001 2005 2009 2013 2017 2021

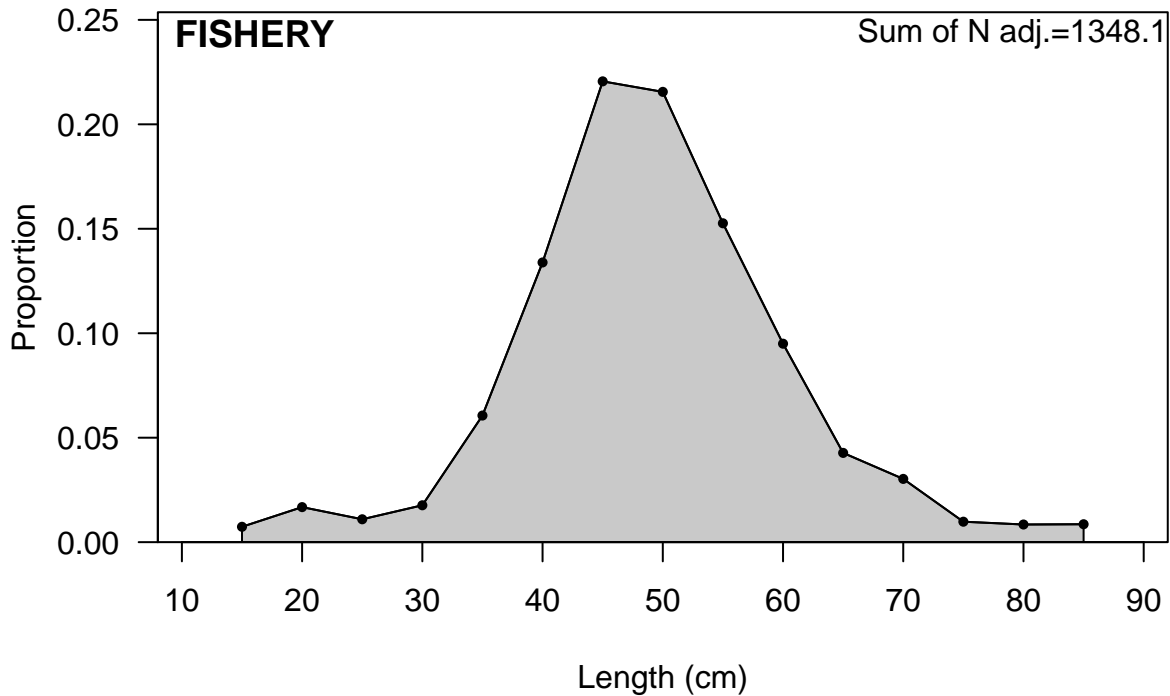
Year





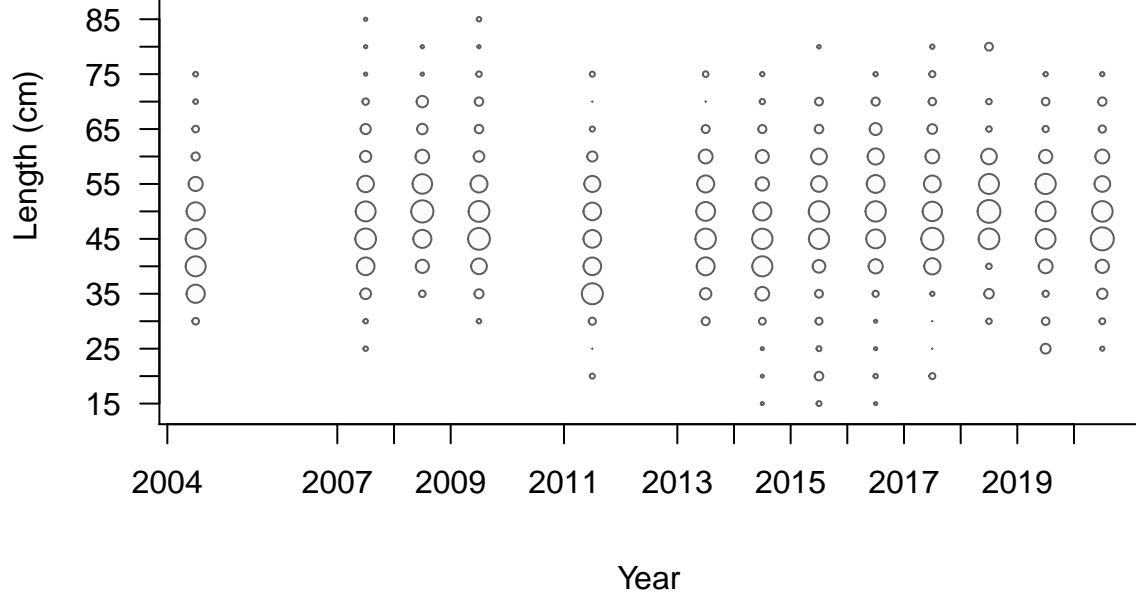




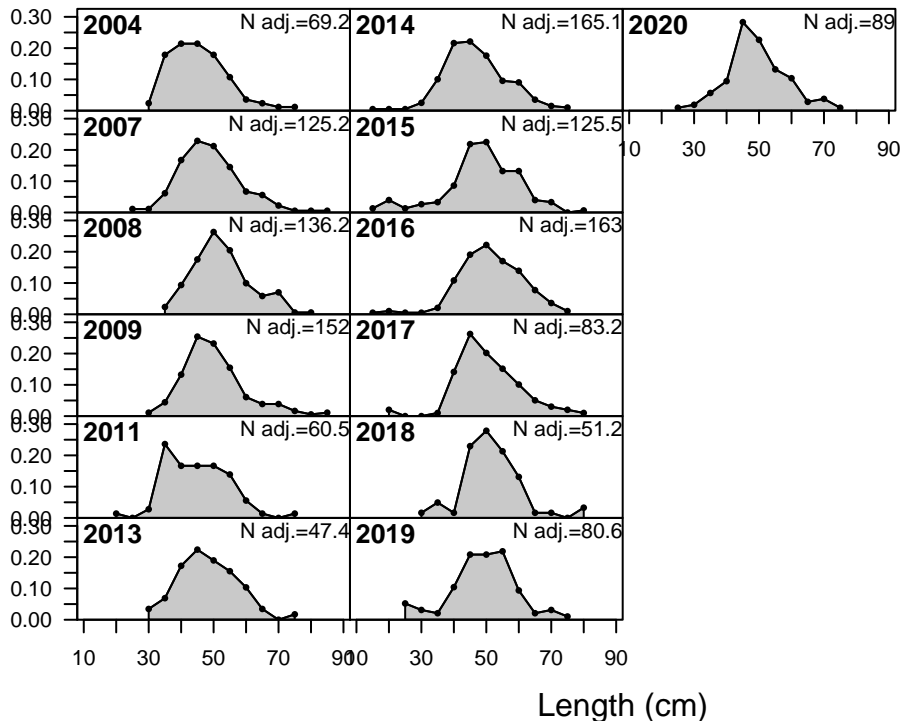


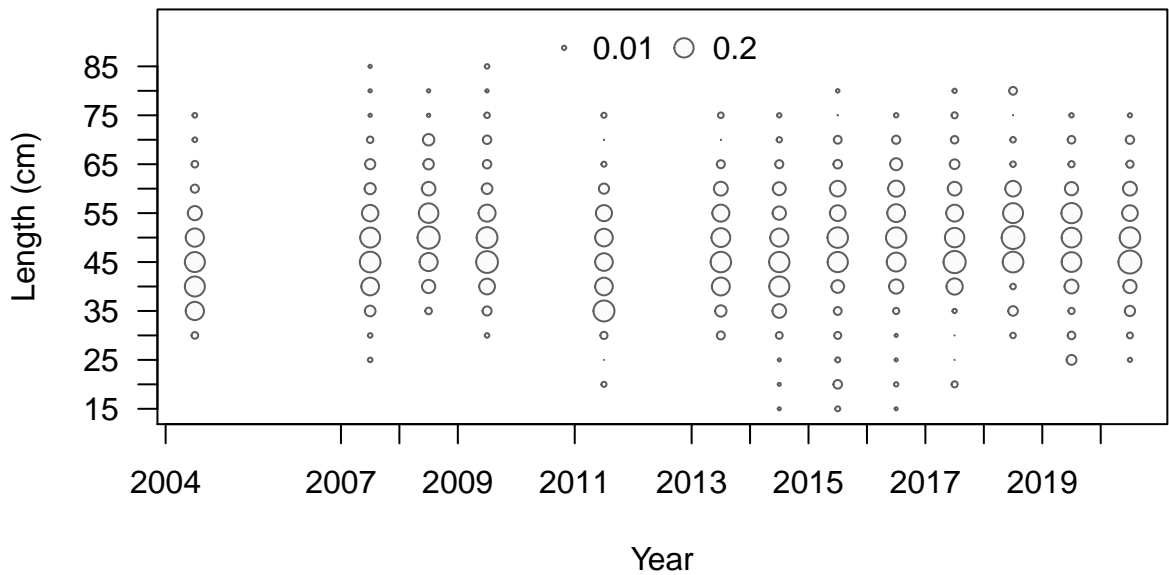
FISHERY

◦ 0.01 ○ 0.2

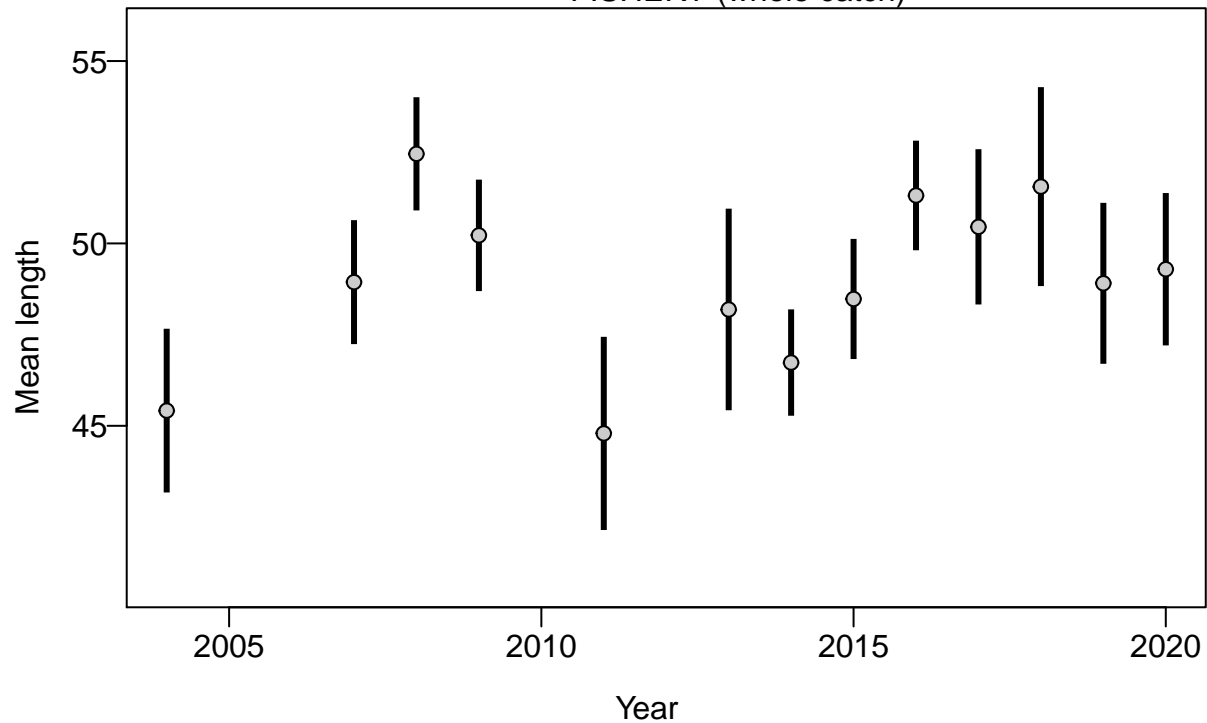


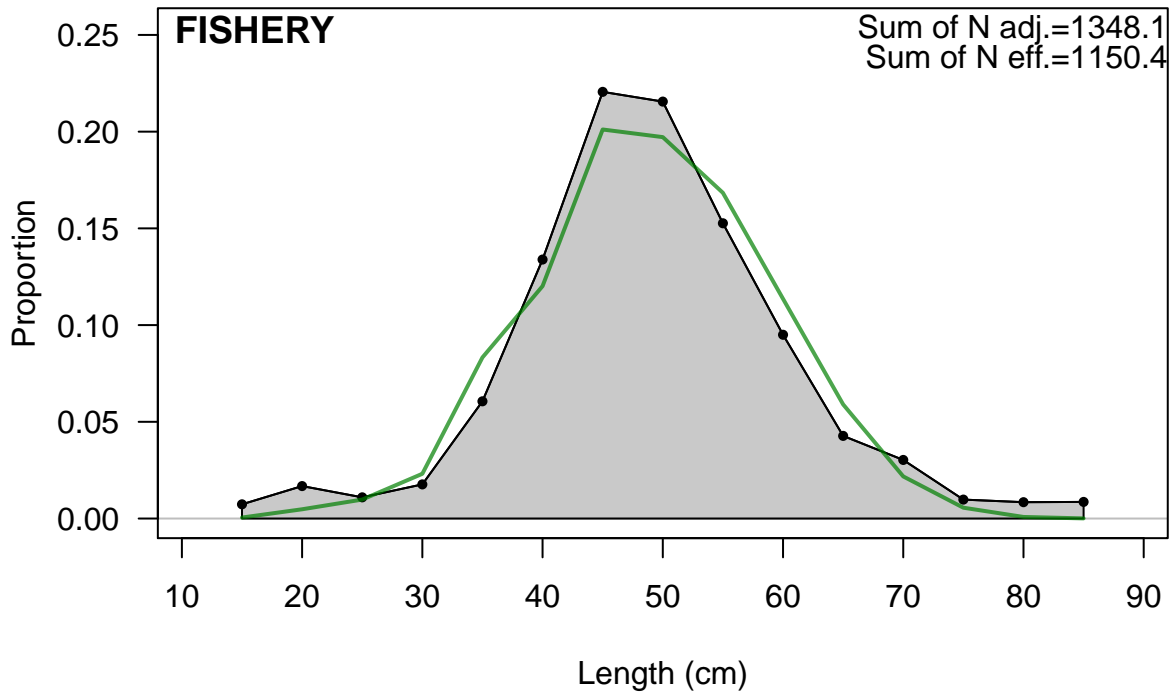
Proportion

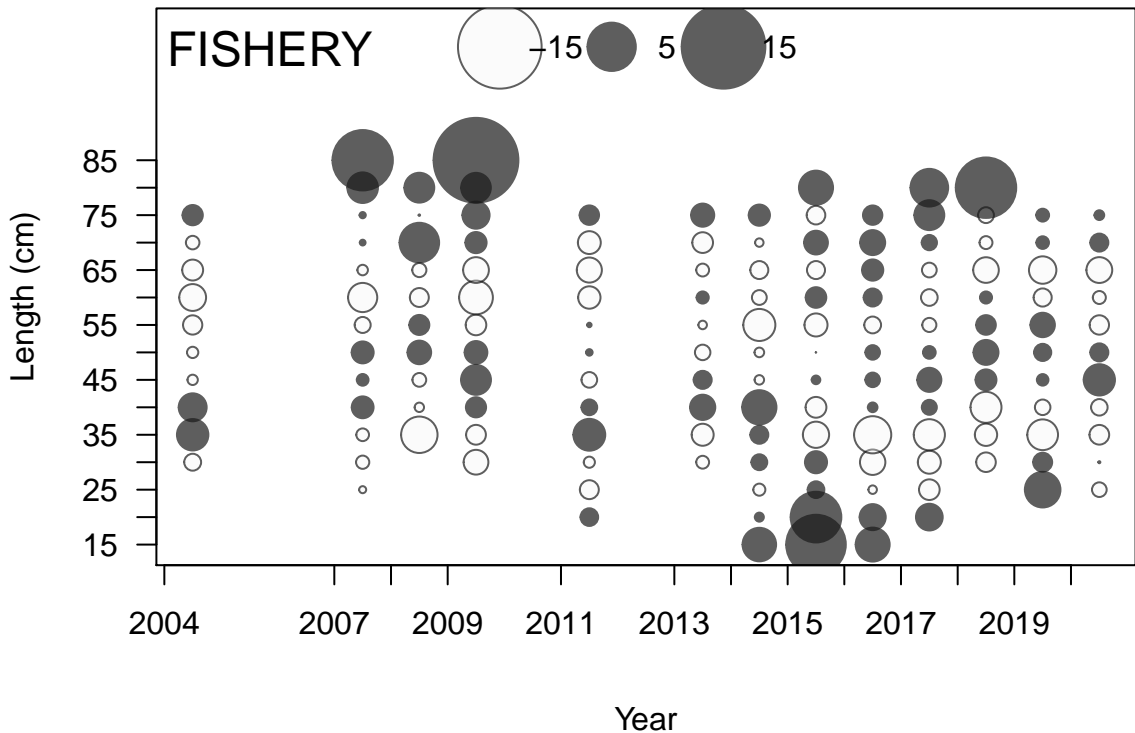


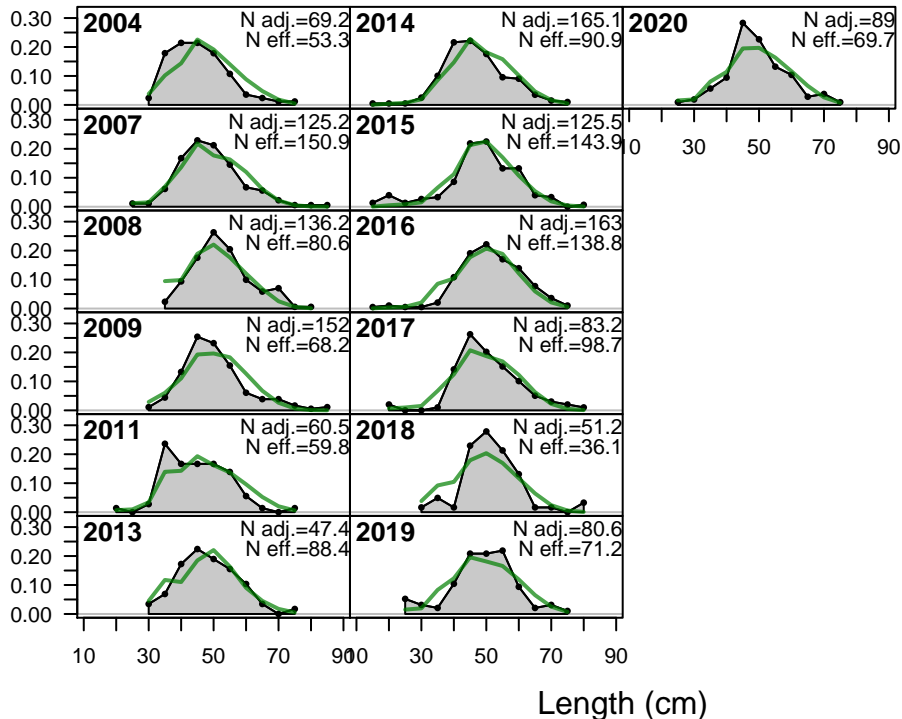


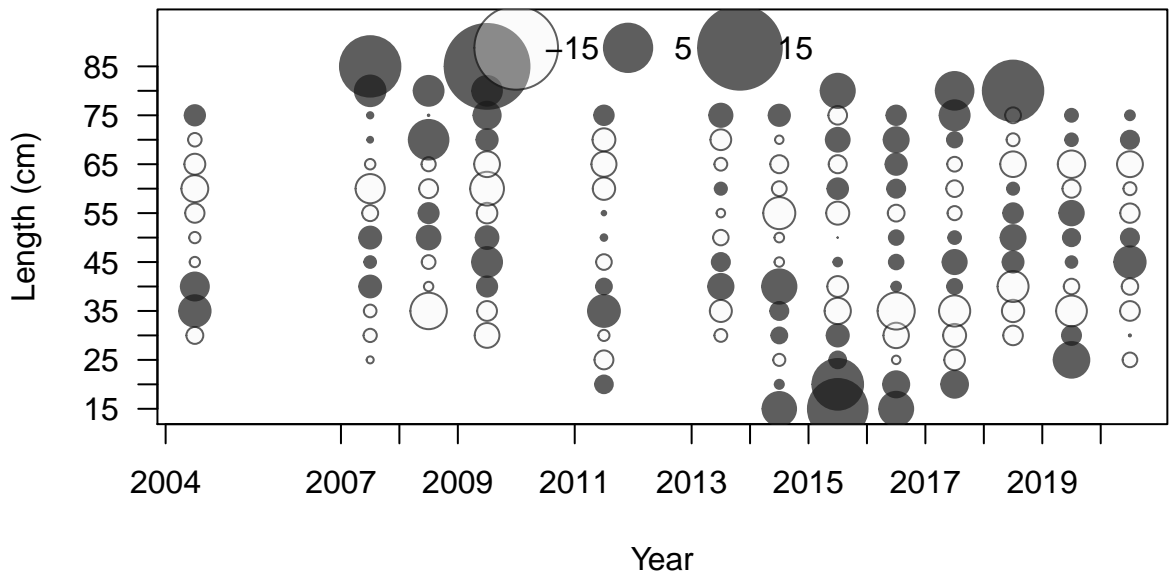
FISHERY (whole catch)



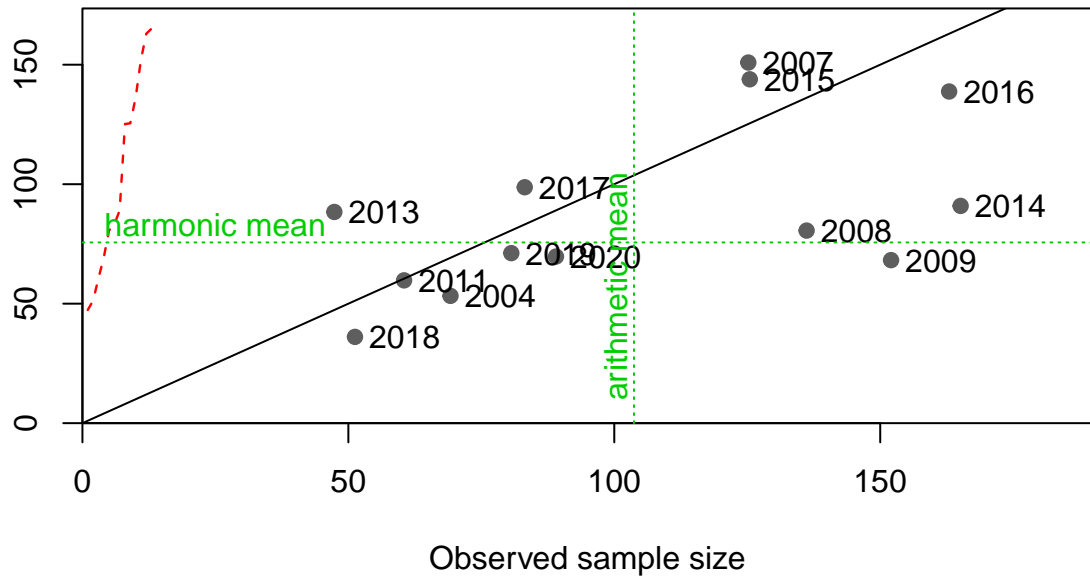




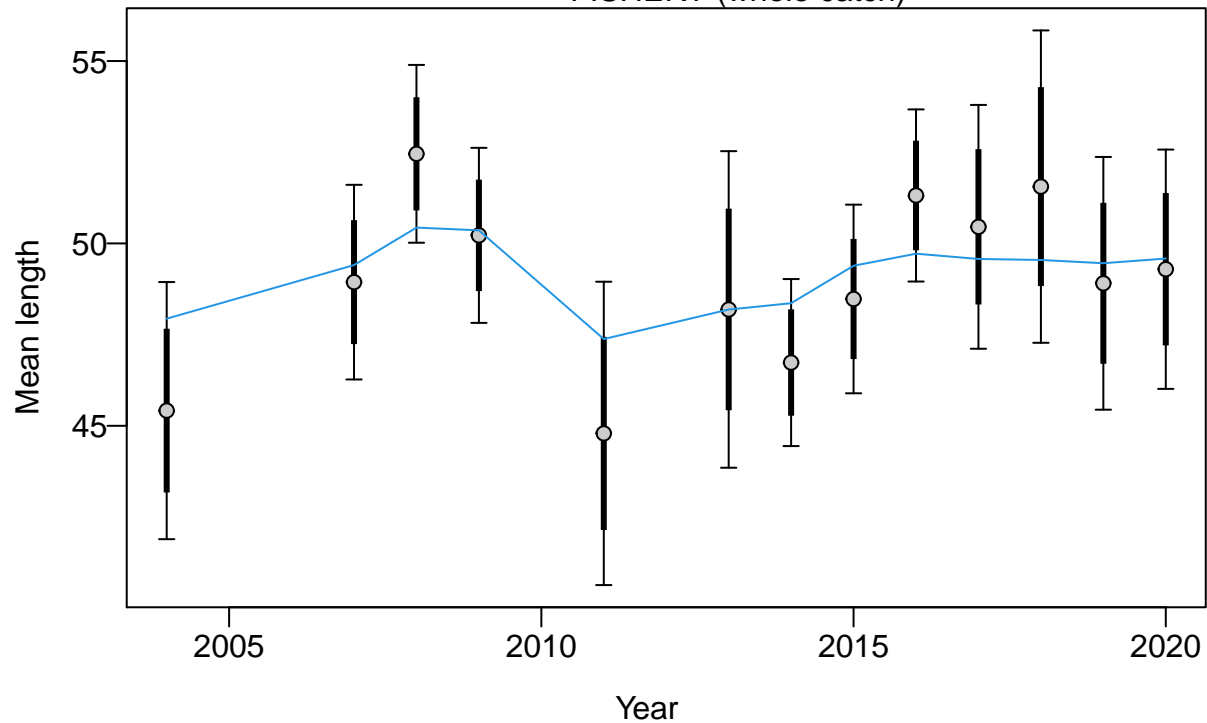


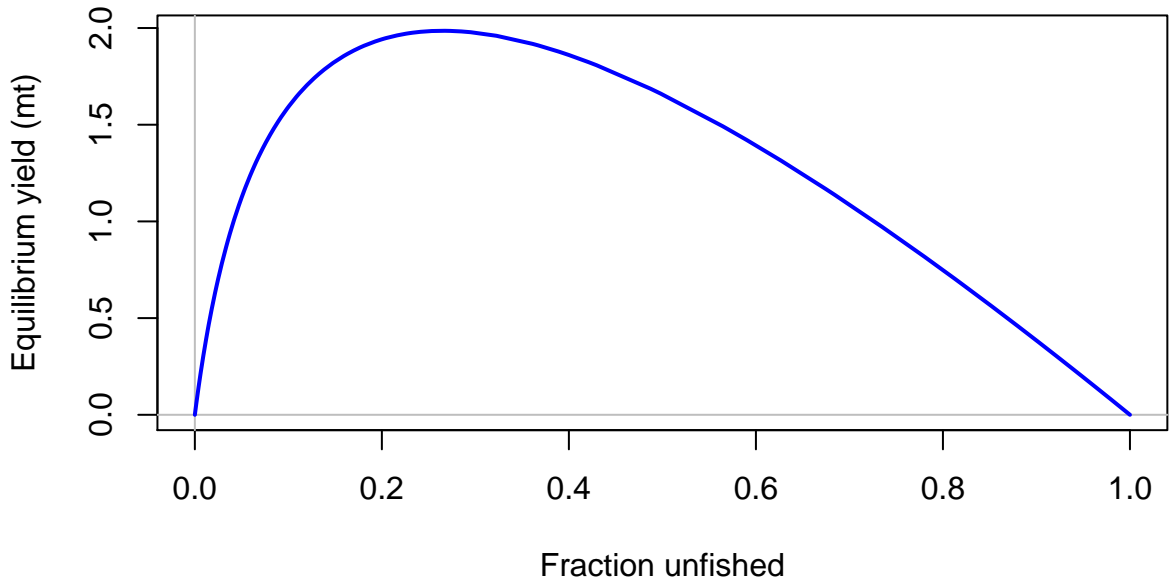


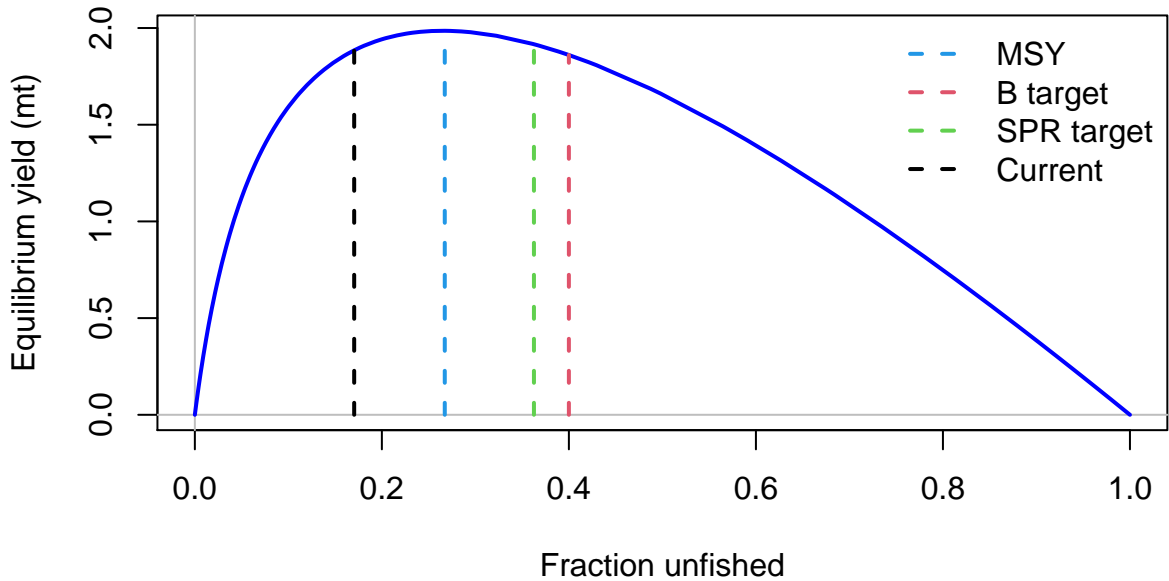
Effective sample size

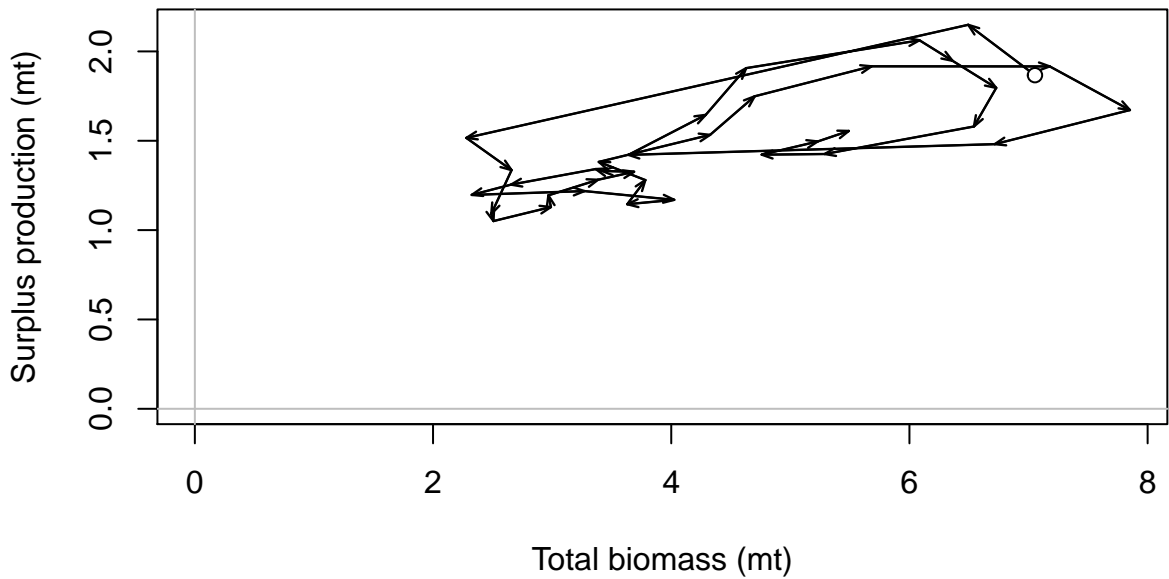


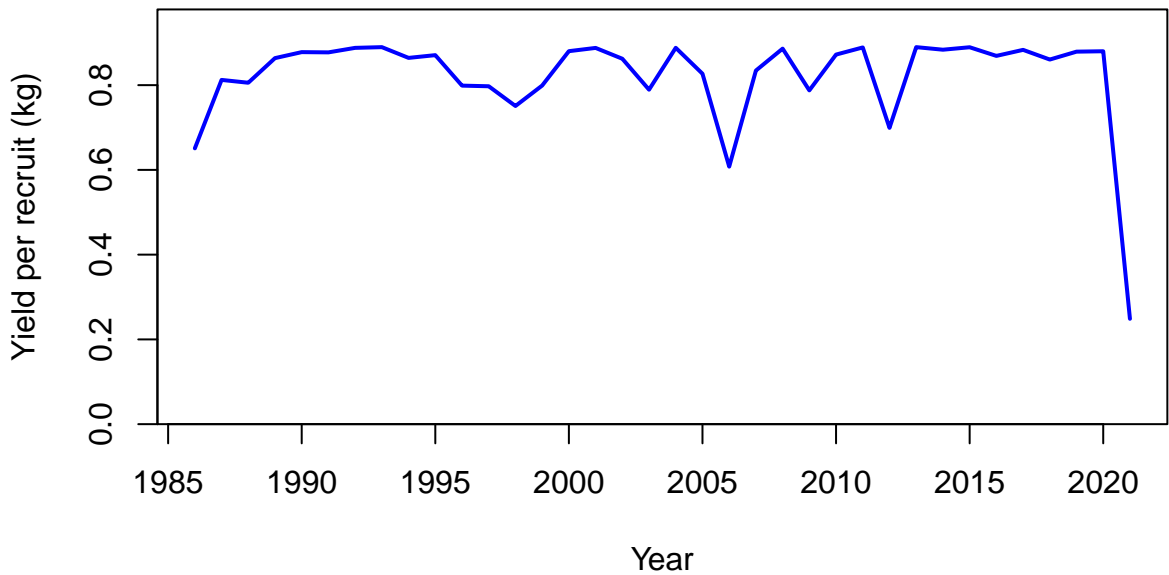
FISHERY (whole catch)

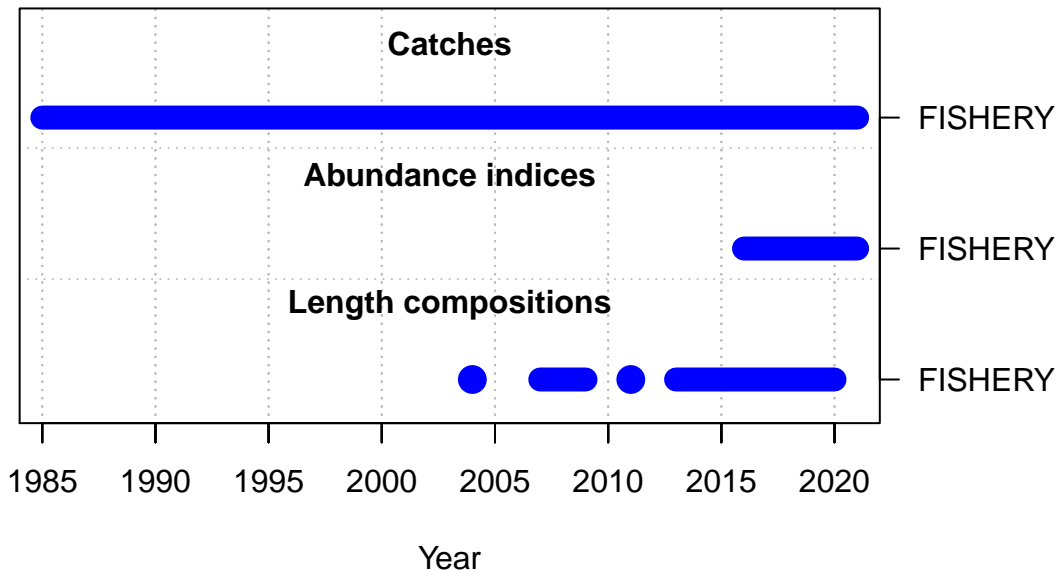


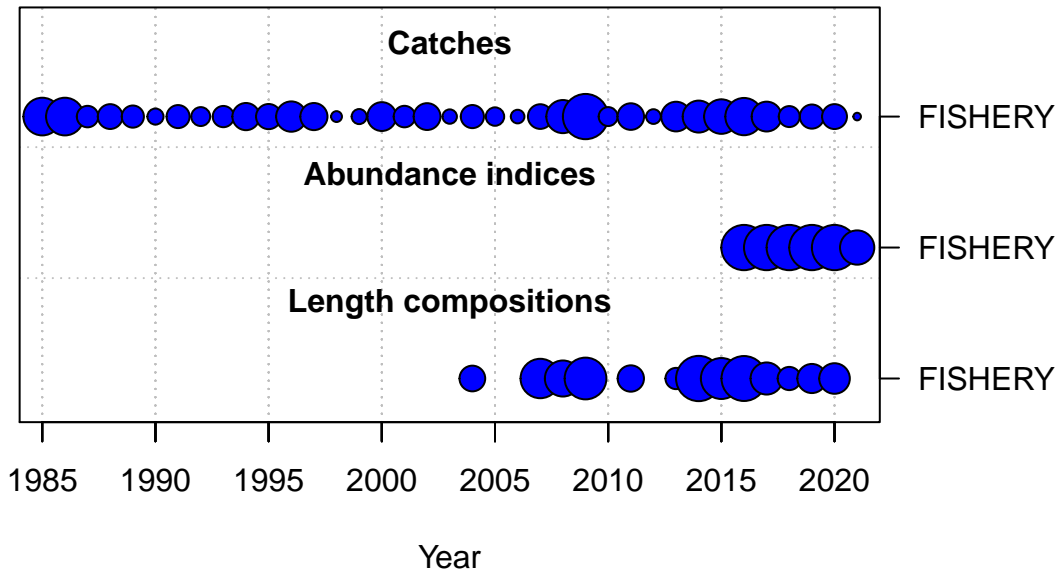




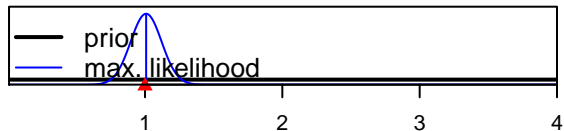




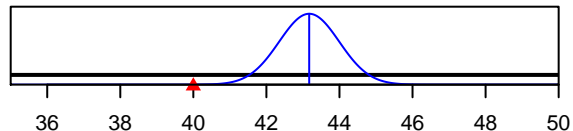




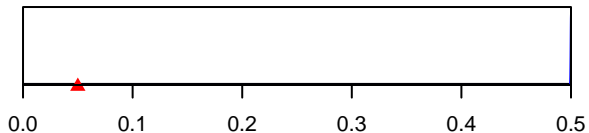
SR_LN(R0)



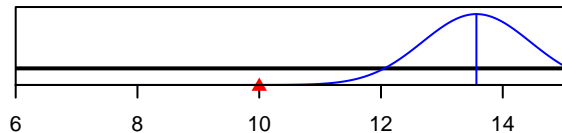
Size_inflection_FISHERY(1)



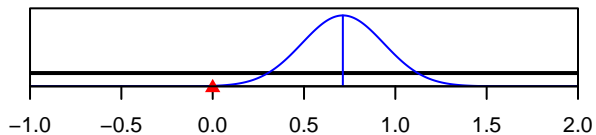
InitF_seas_1_flt_1FISHERY



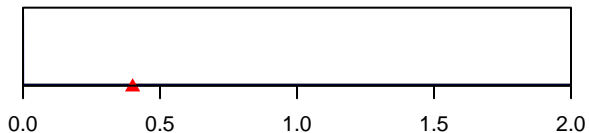
Size_95%width_FISHERY(1)



LnQ_base_FISHERY(1)



Q_extraSD_FISHERY(1)



Parameter value