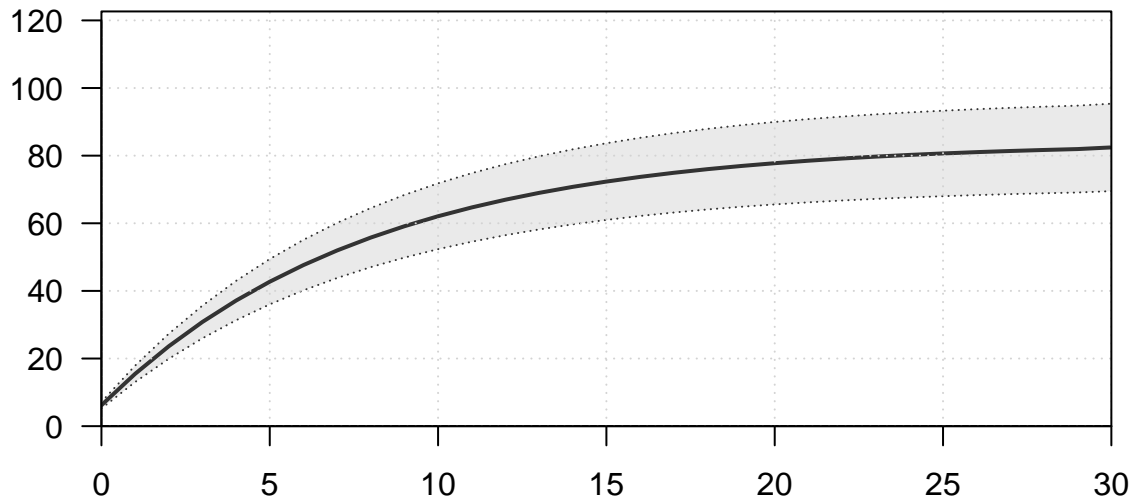
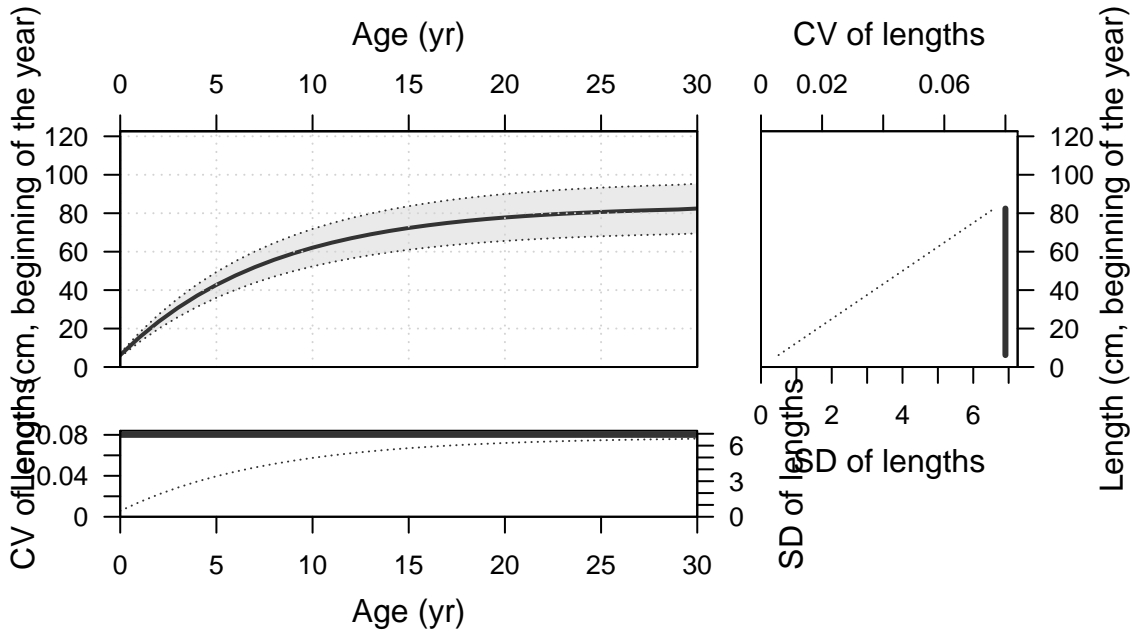


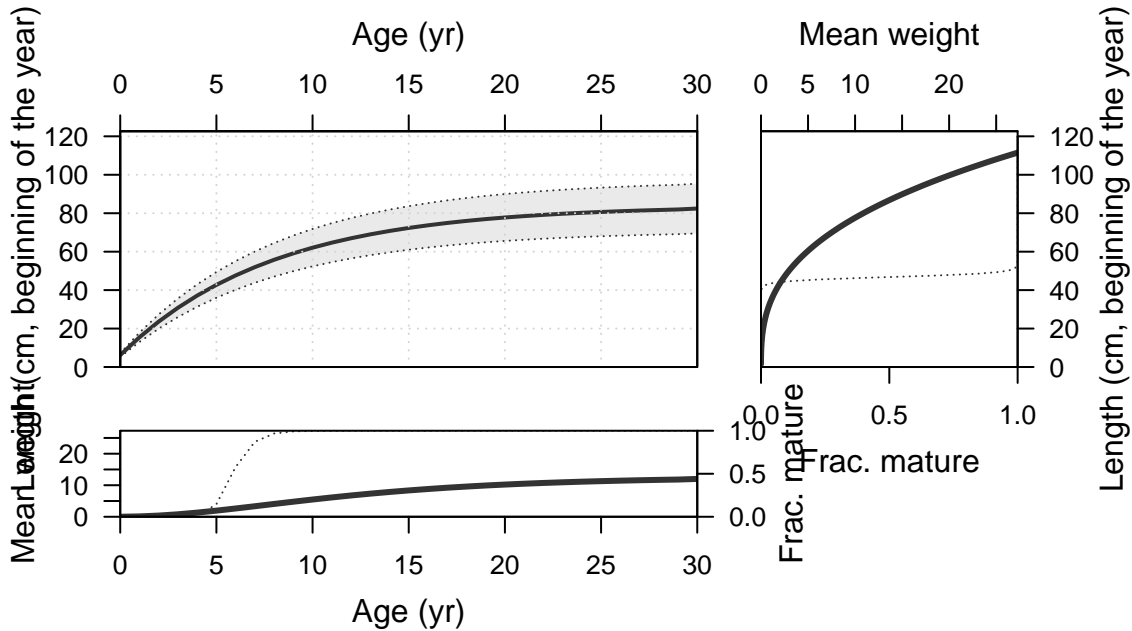
Plots created using the 'r4ss' package in R
Stock Synthesis version: 3.30.19.0
StartTime: Mon Aug 01 13:09:08 2022
Data_File: data.ss
Control_File: control.ss

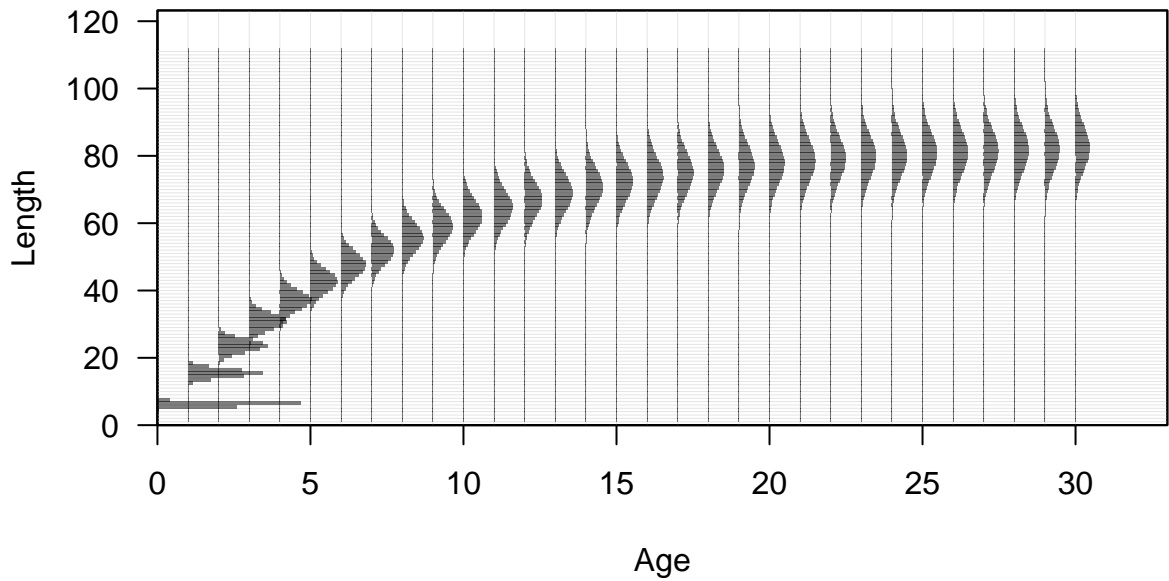
Length (cm, beginning of the year)

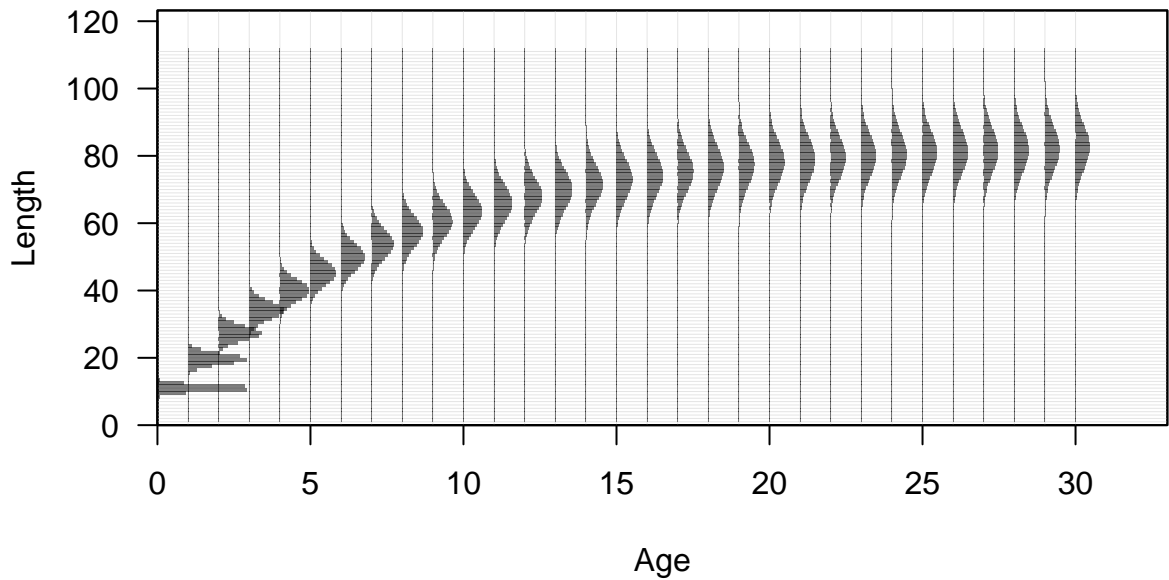


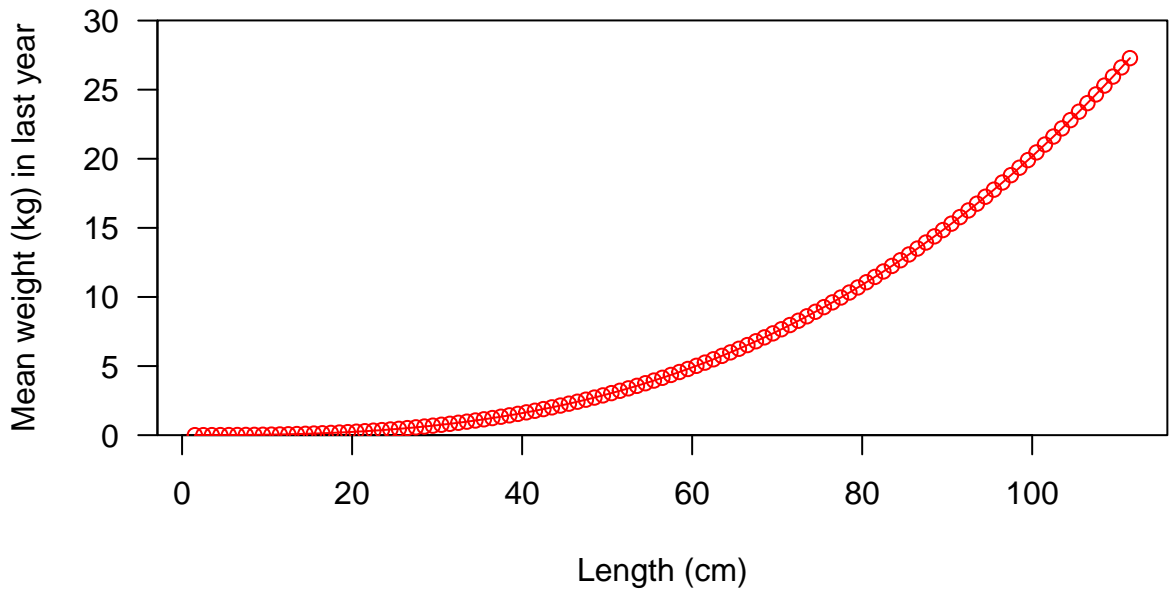
Age (yr)

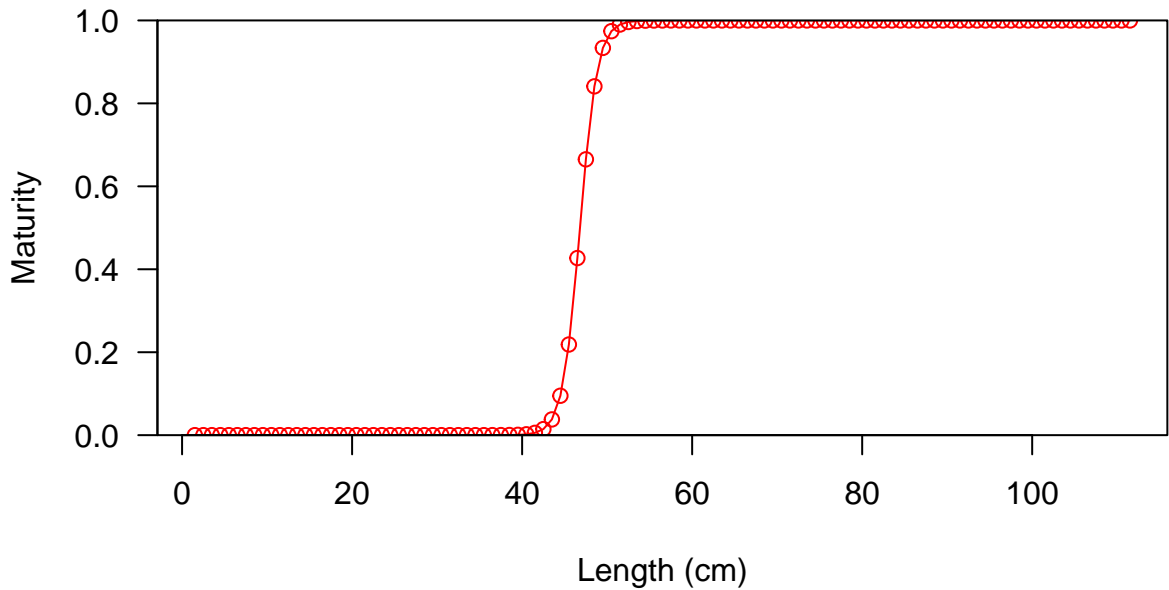


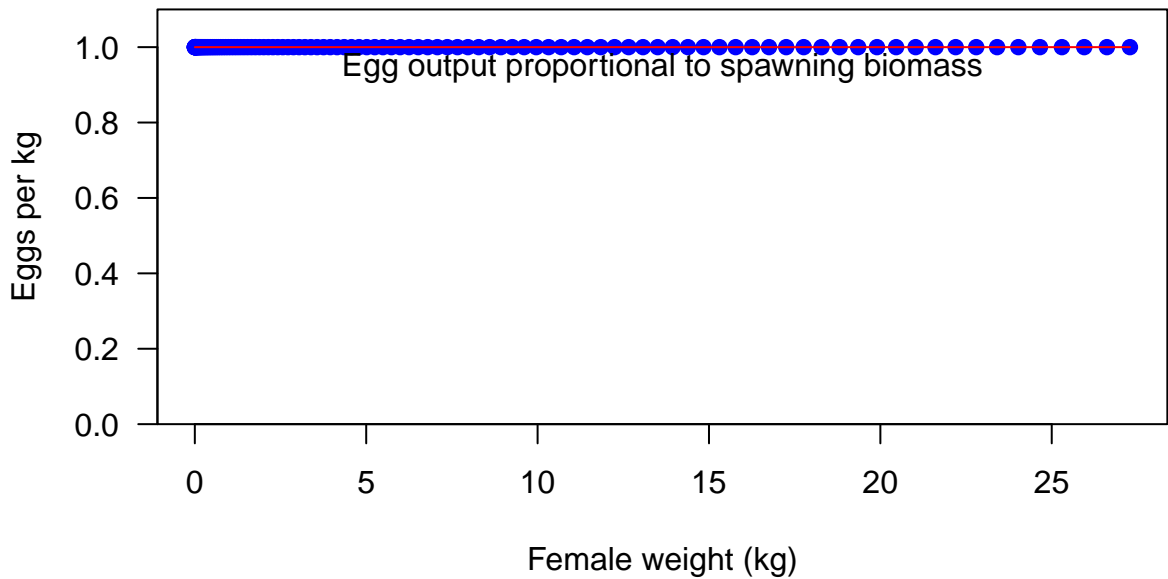


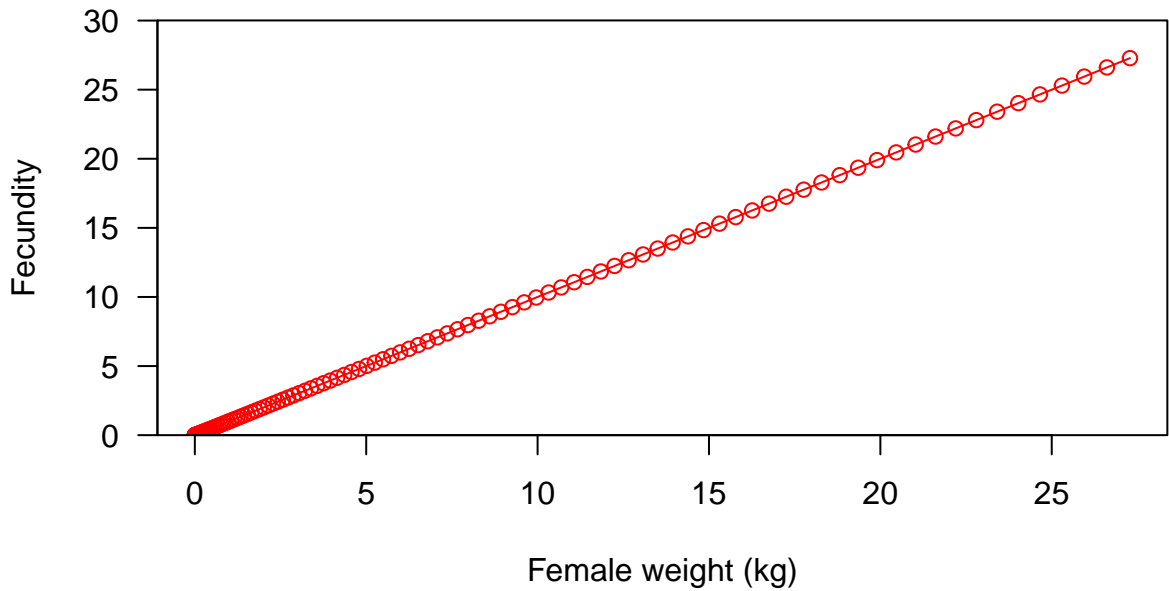












Fecundity

30
25
20
15
10
5
0

0

20

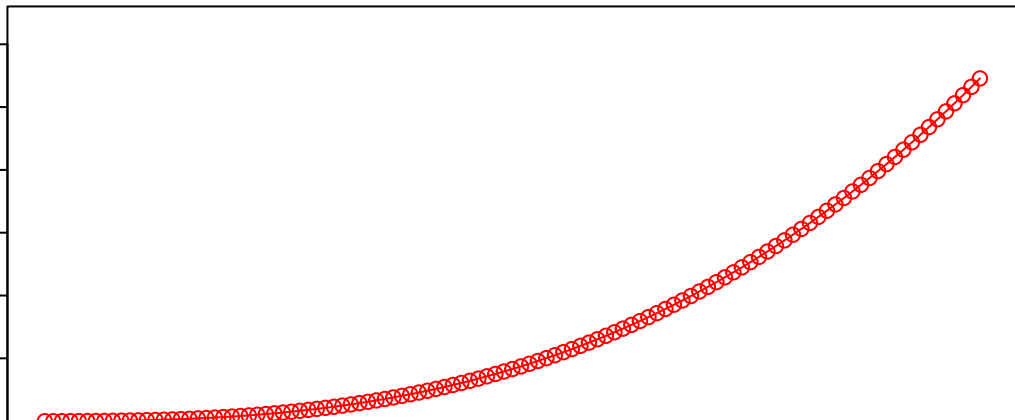
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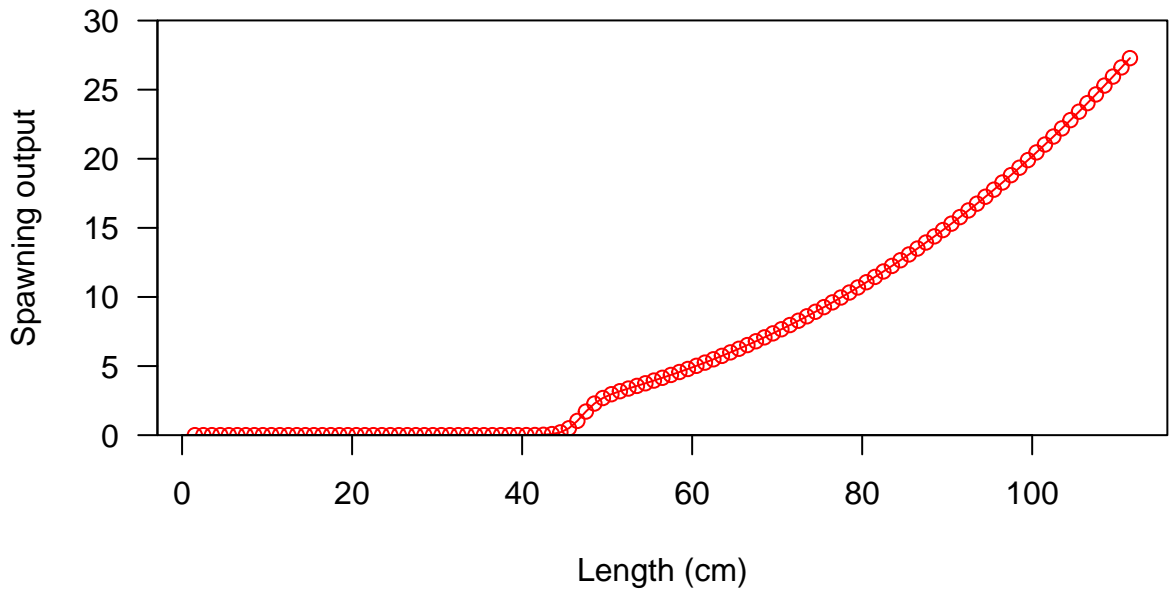
60

80

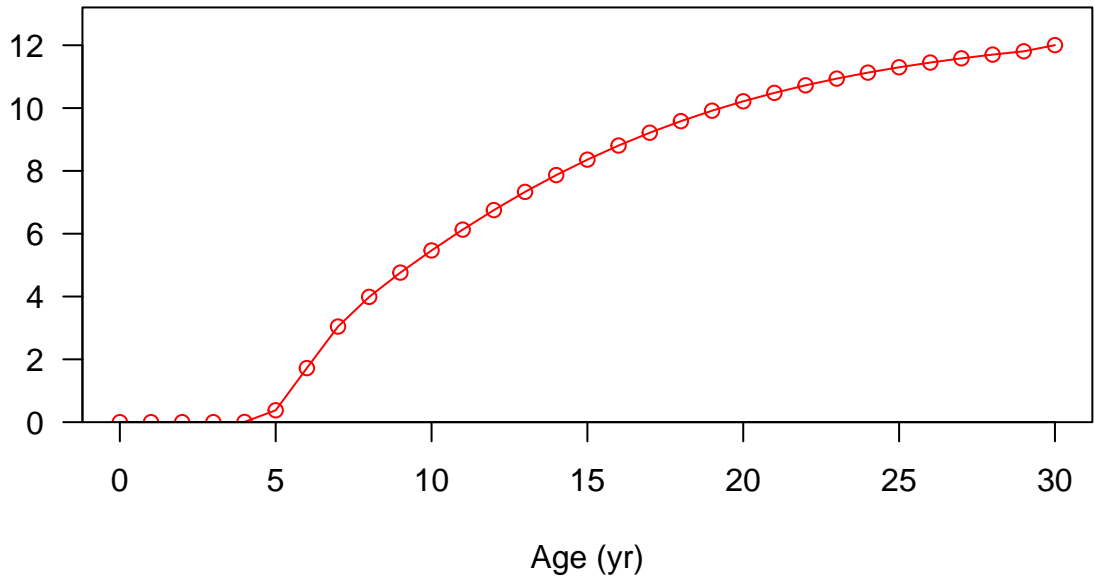
100

Female length (cm)

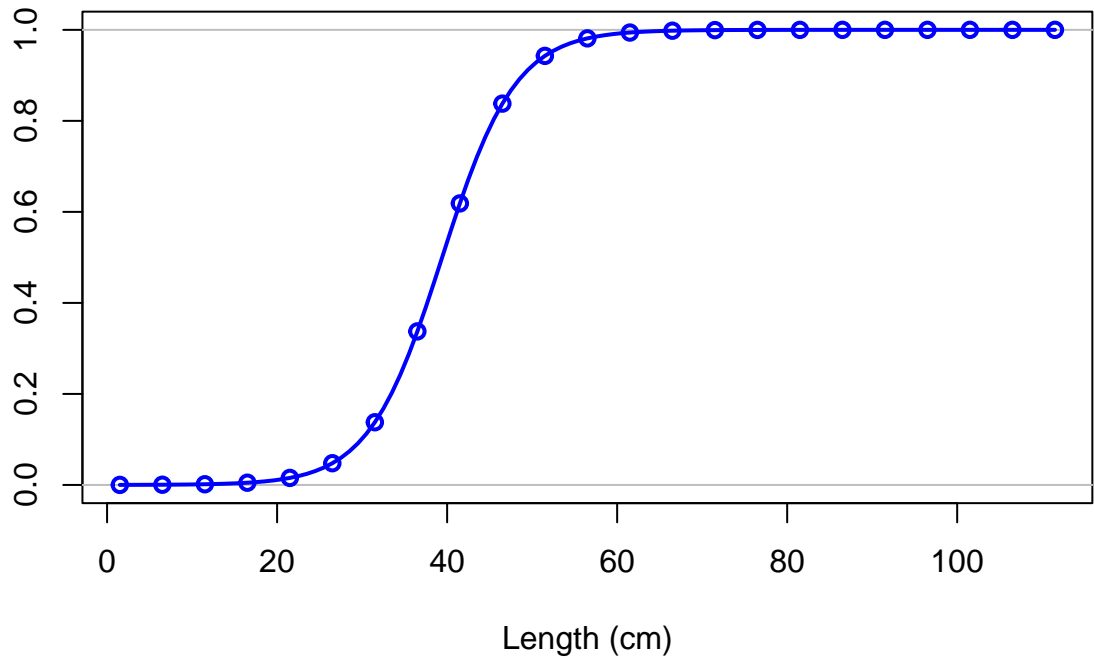




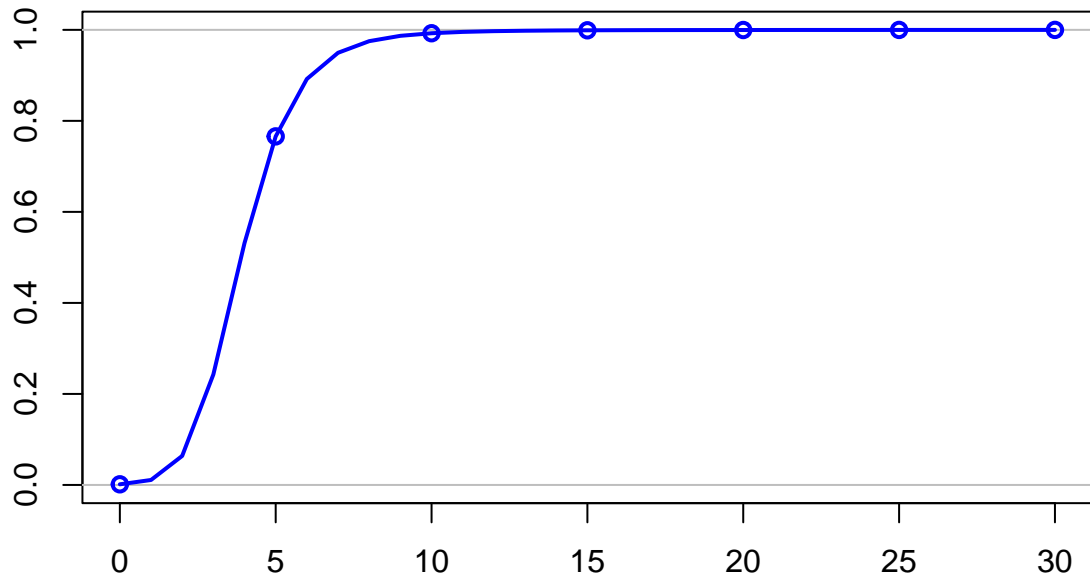
Spawning output



Selectivity

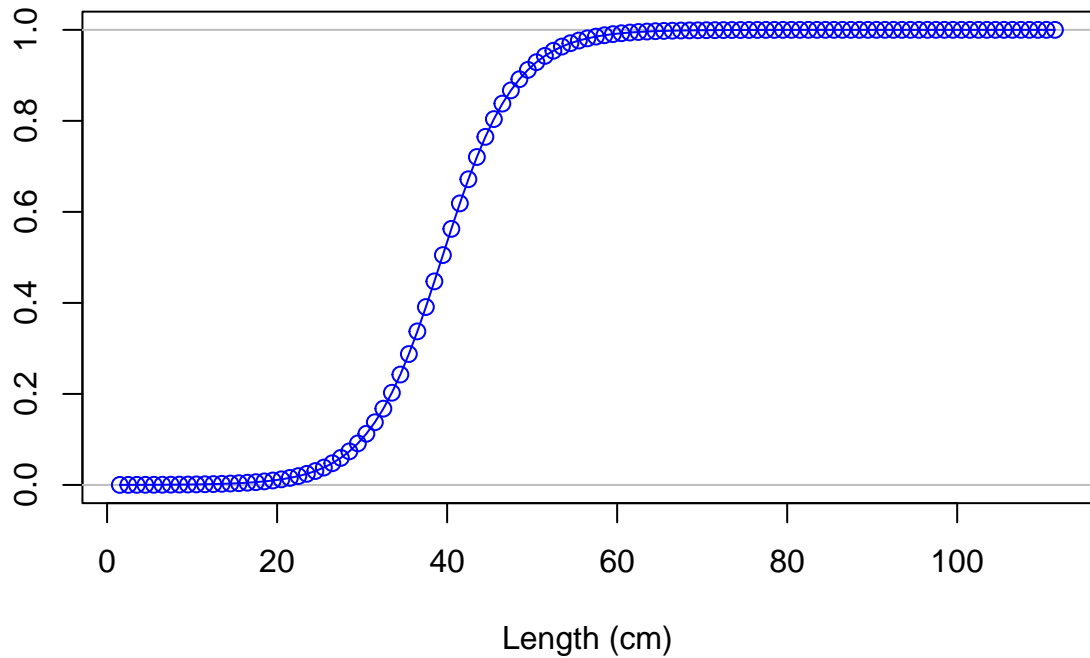


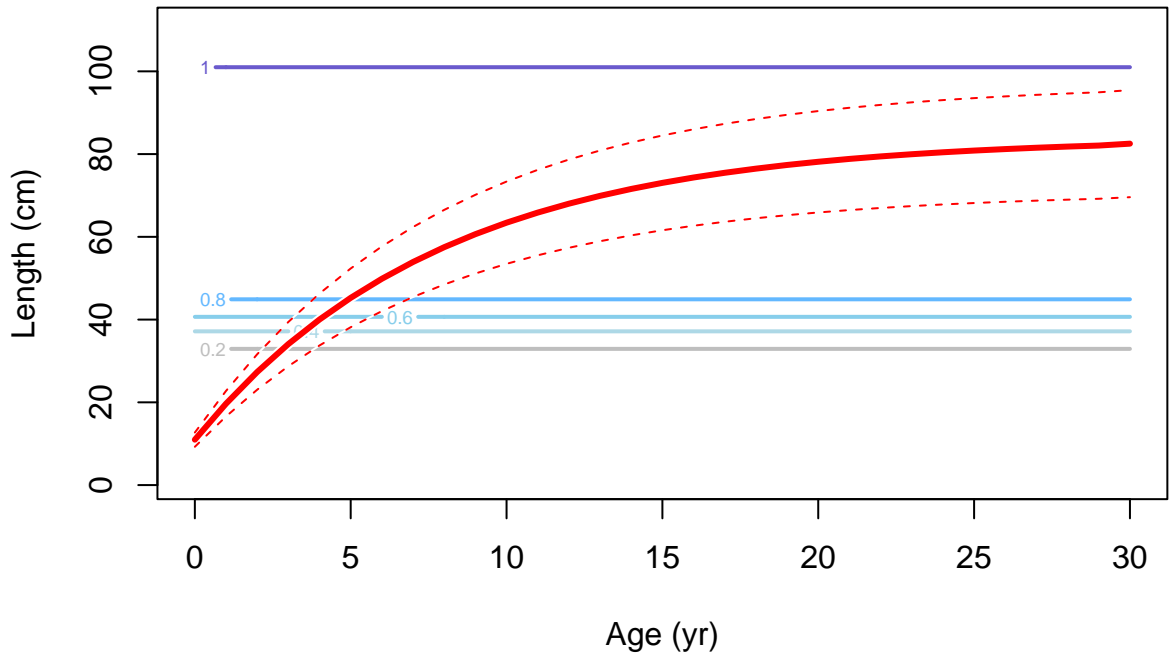
Selectivity

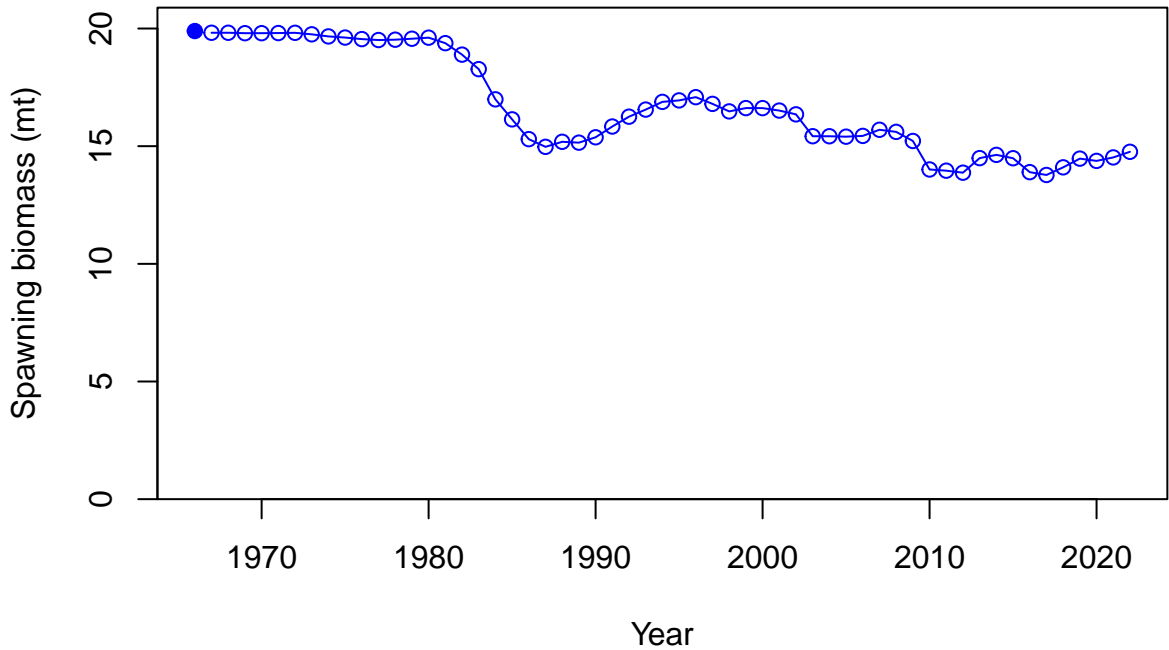


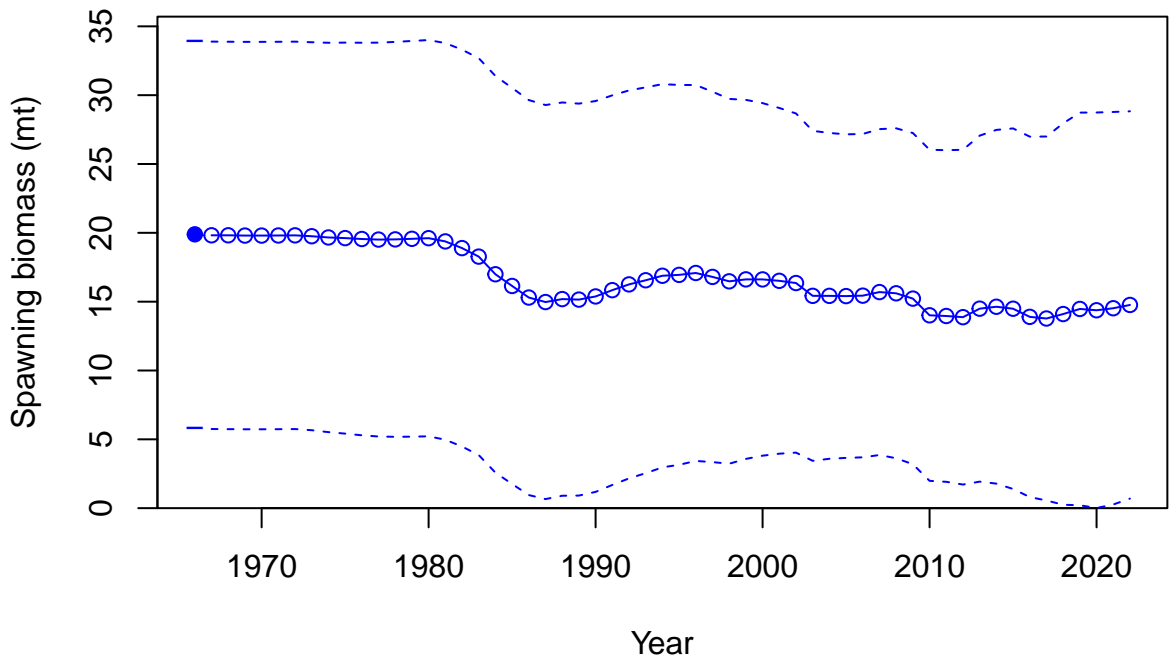
Age (yr)

Selectivity

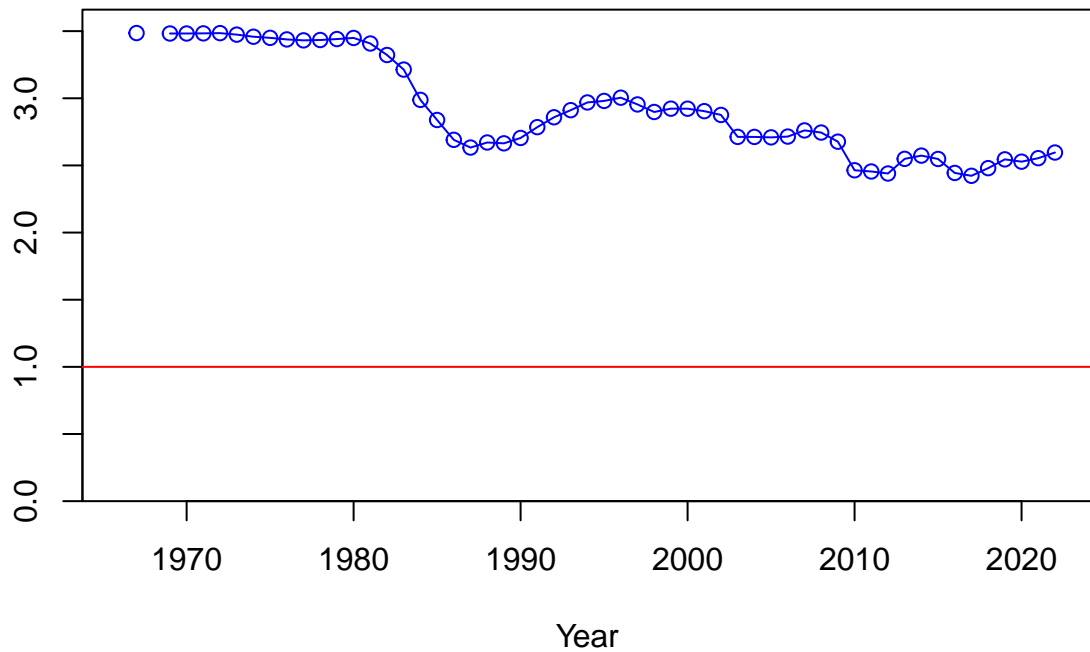




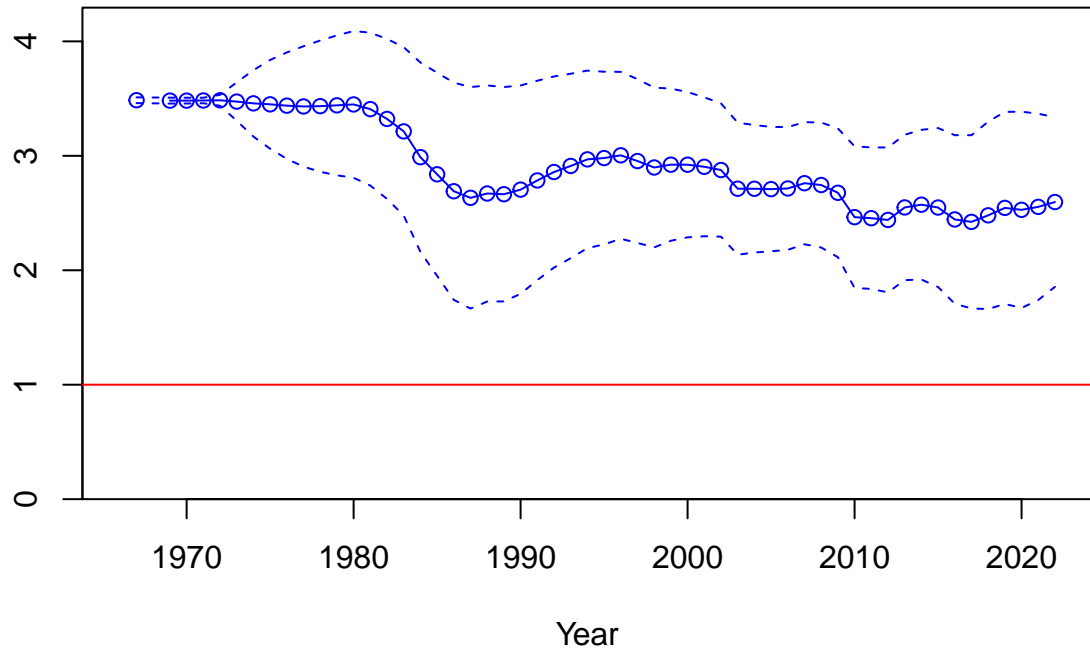


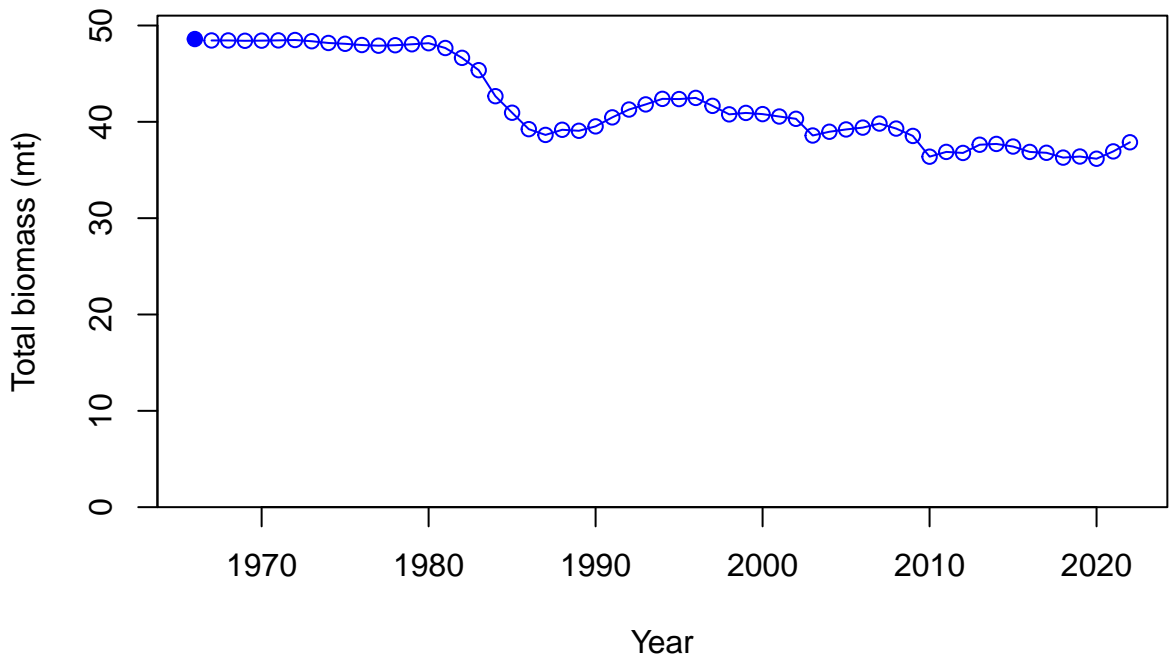


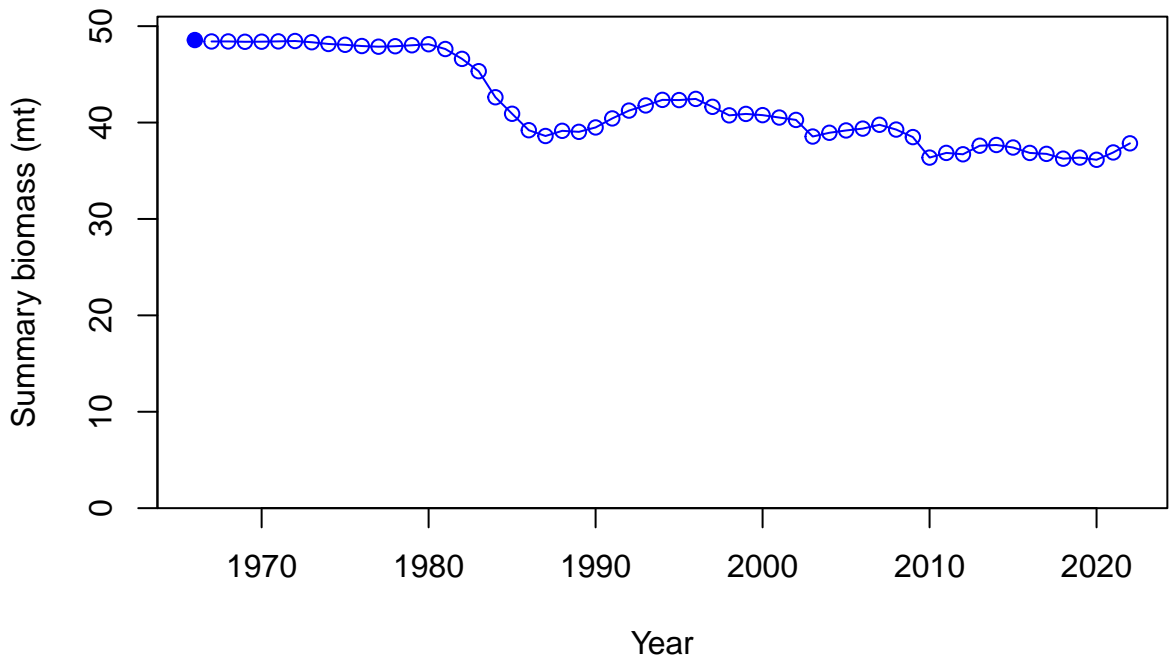
Relative spawning biomass: B/B_{MSY}

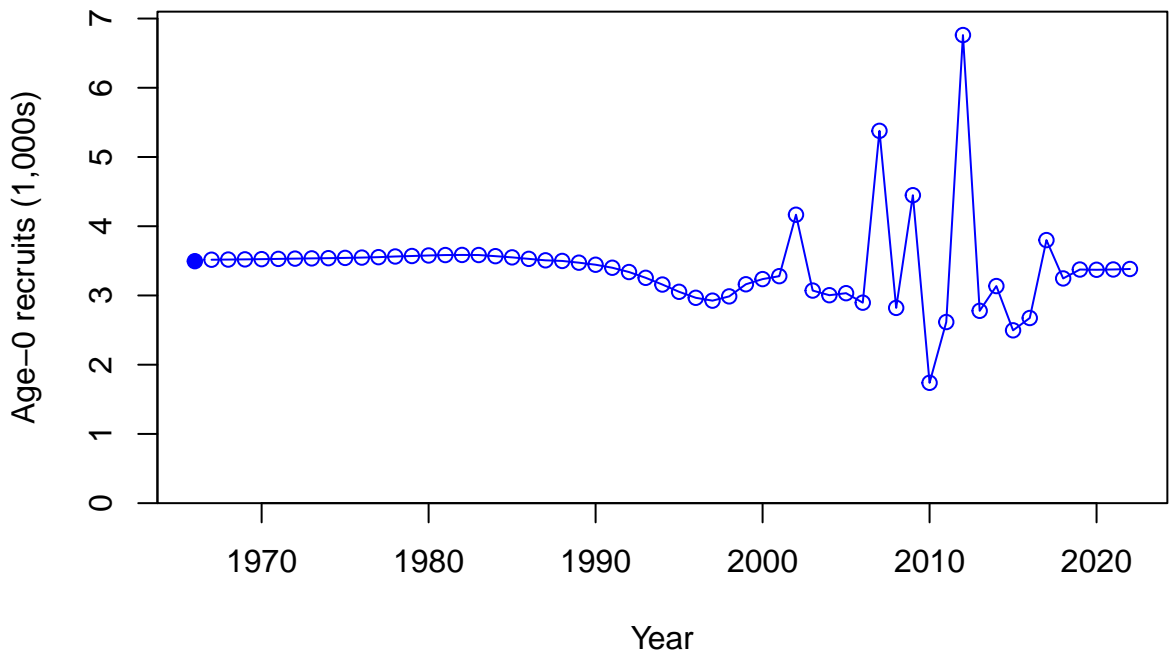


Relative spawning biomass: B/B_{MSY}

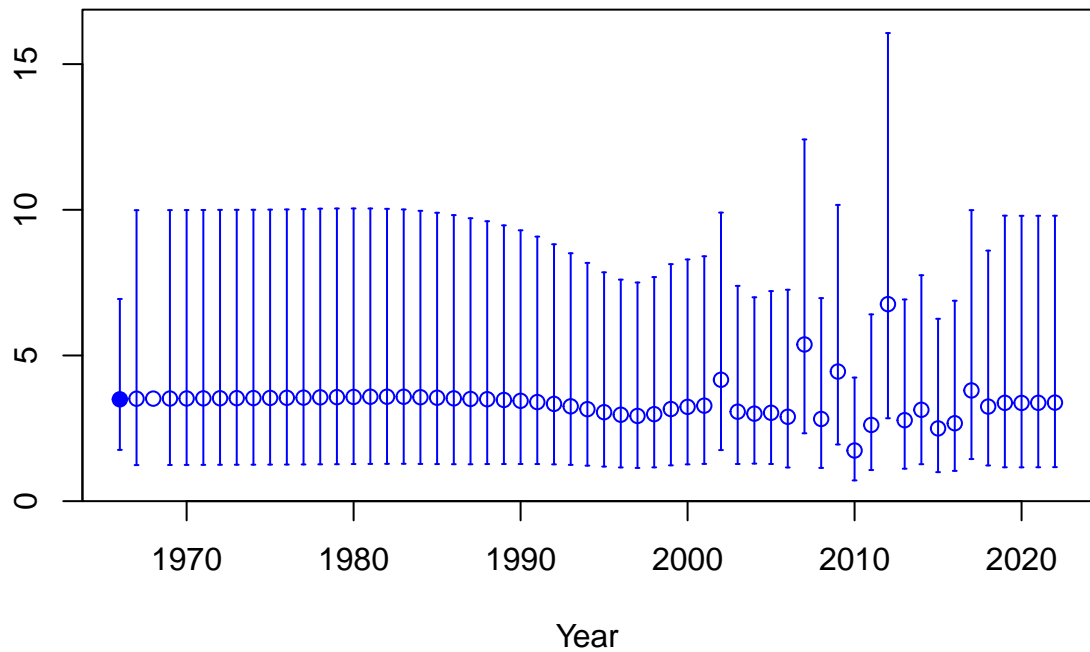




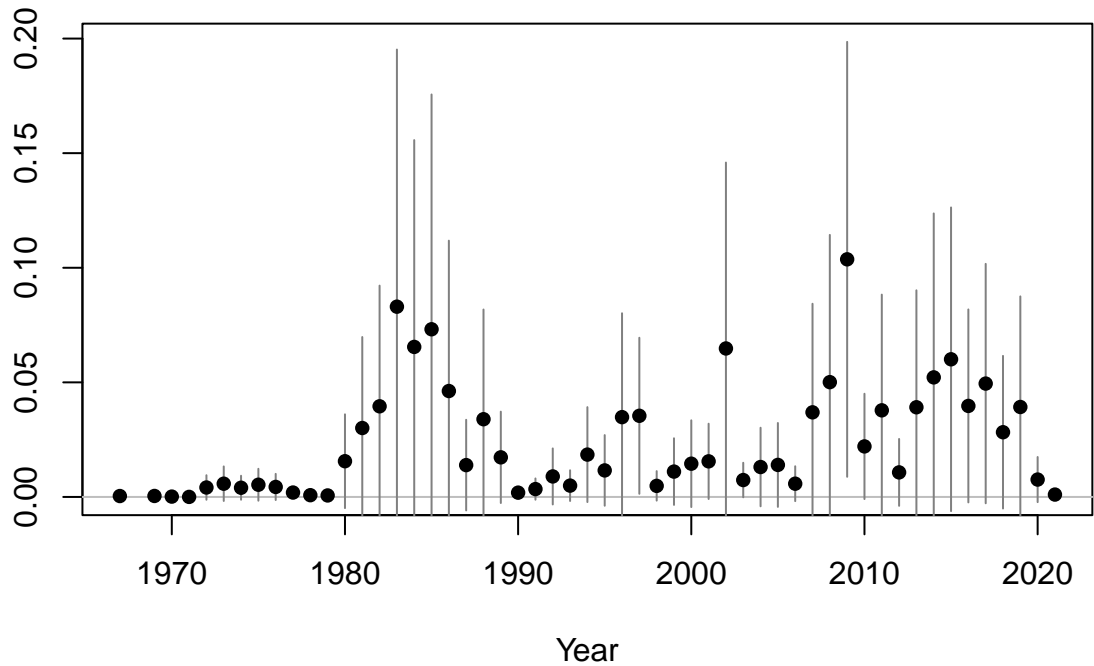


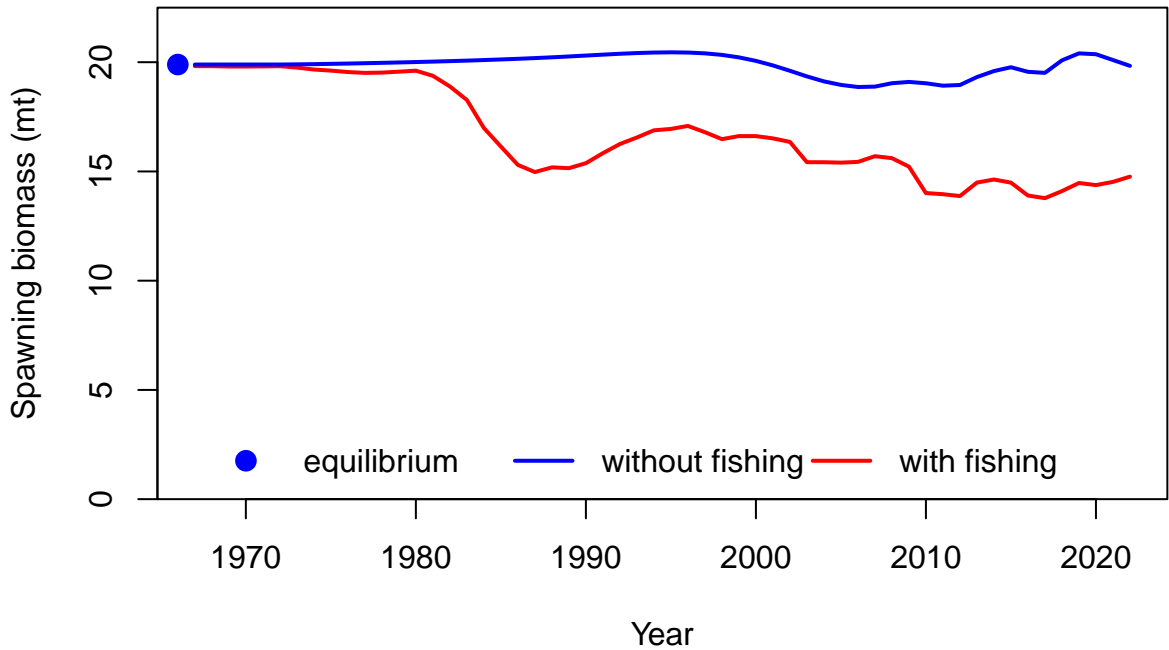


Age-0 recruits (1,000s)

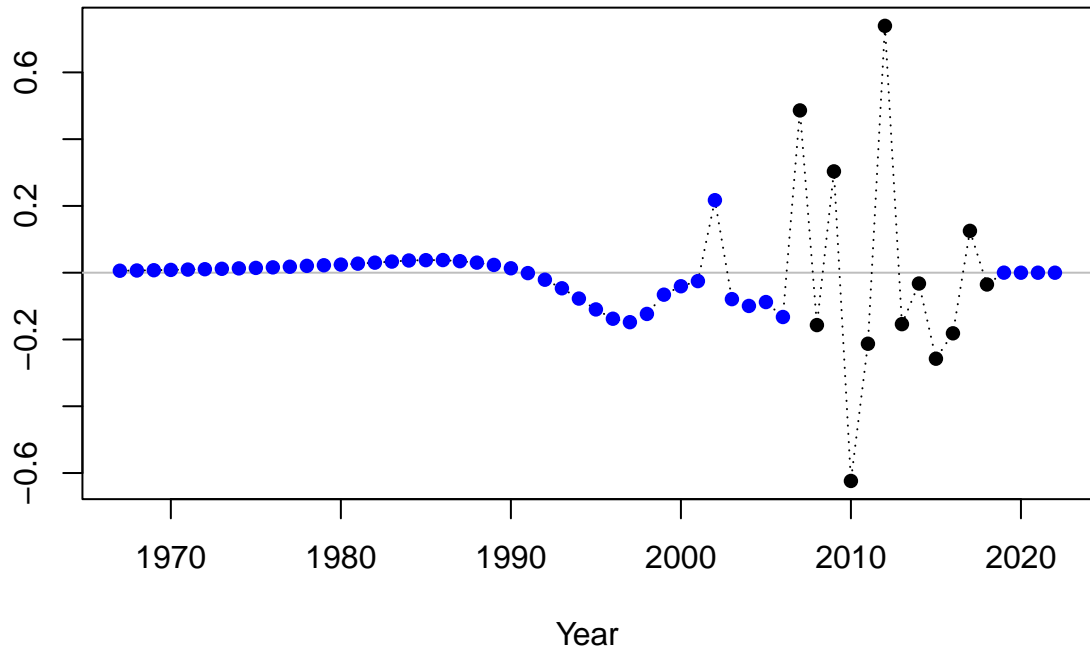


Summary Fishing Mortality

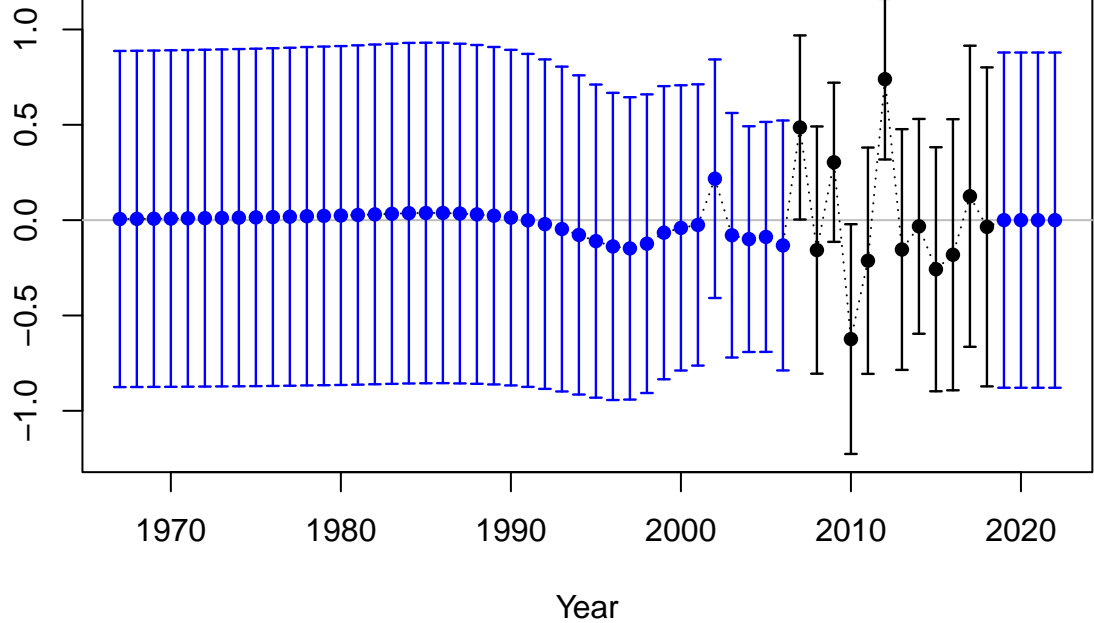




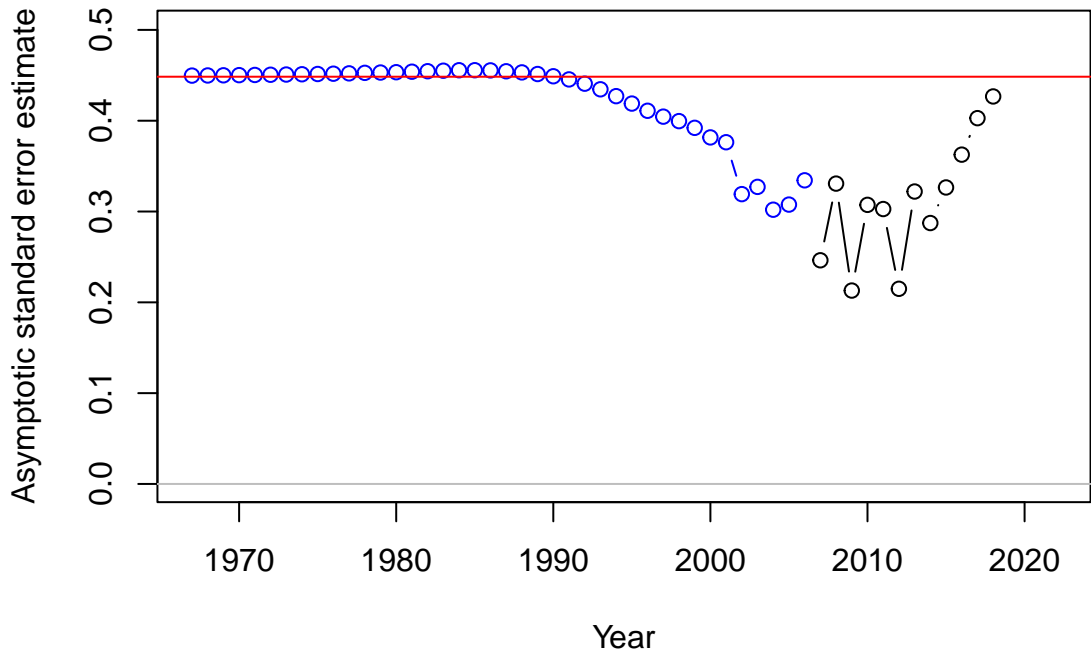
Log recruitment deviation

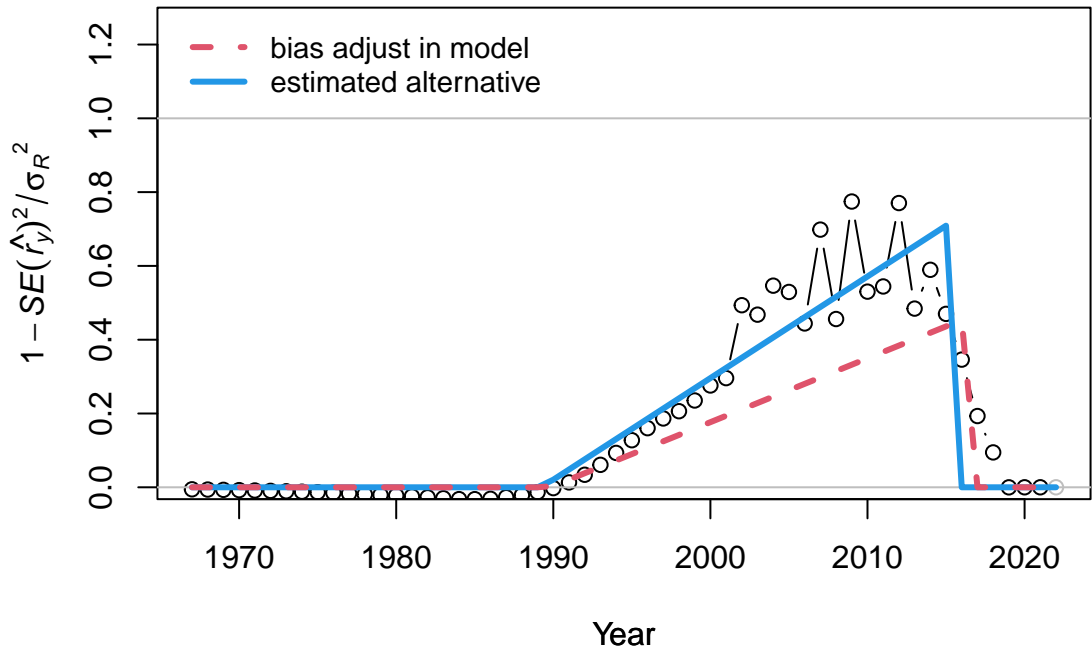


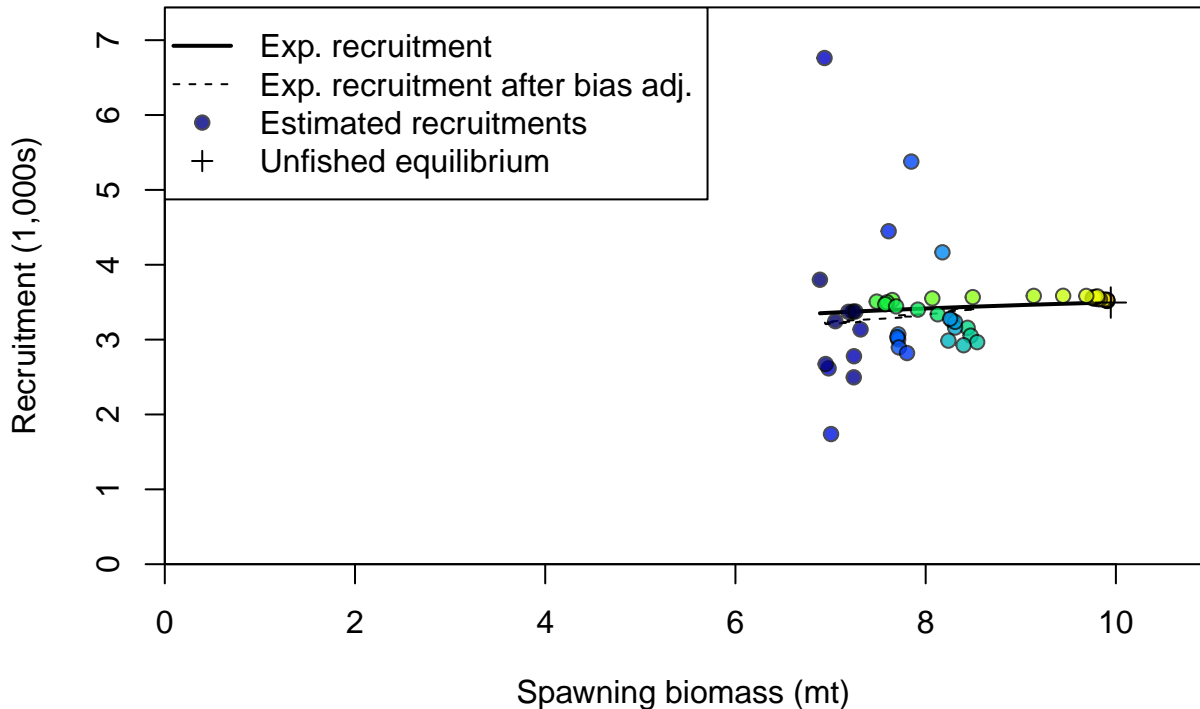
Log recruitment deviation

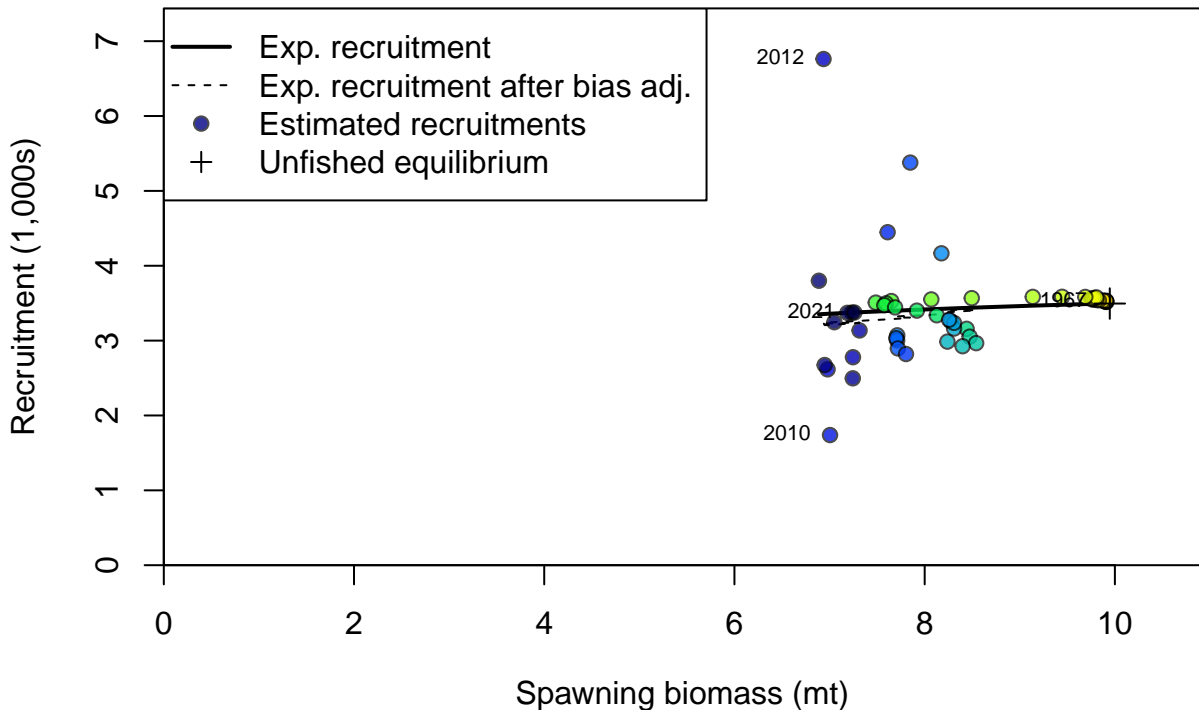


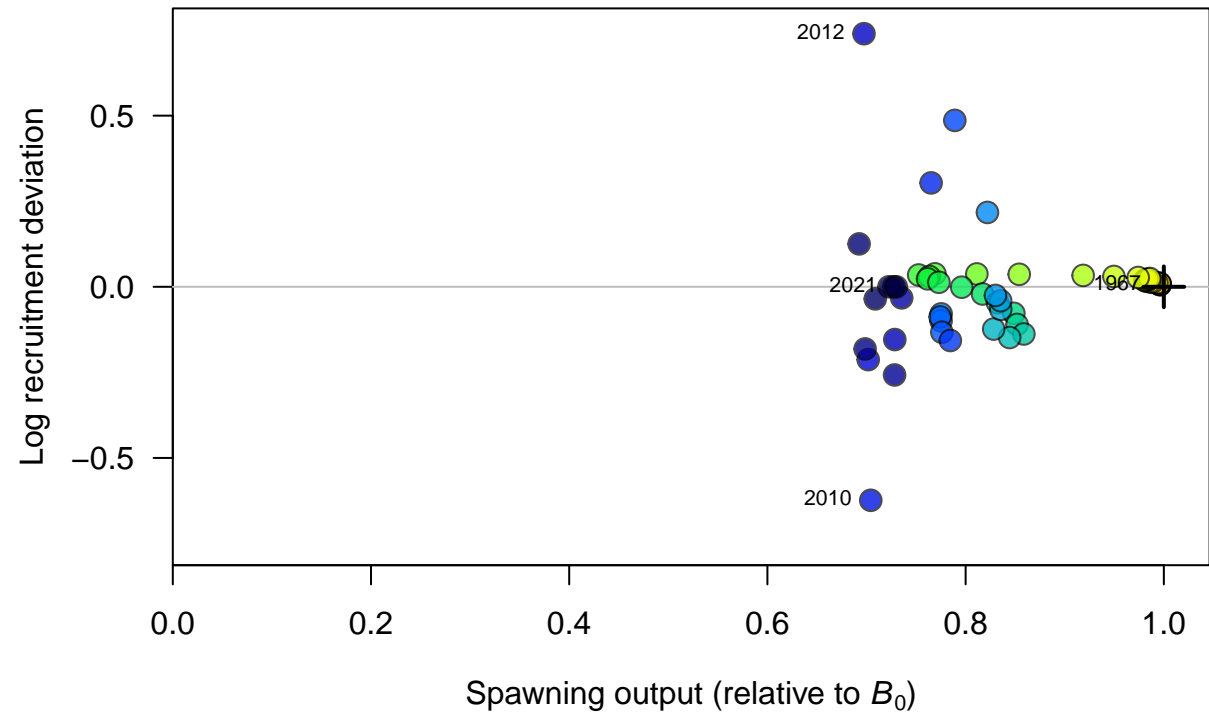
Recruitment deviation variance

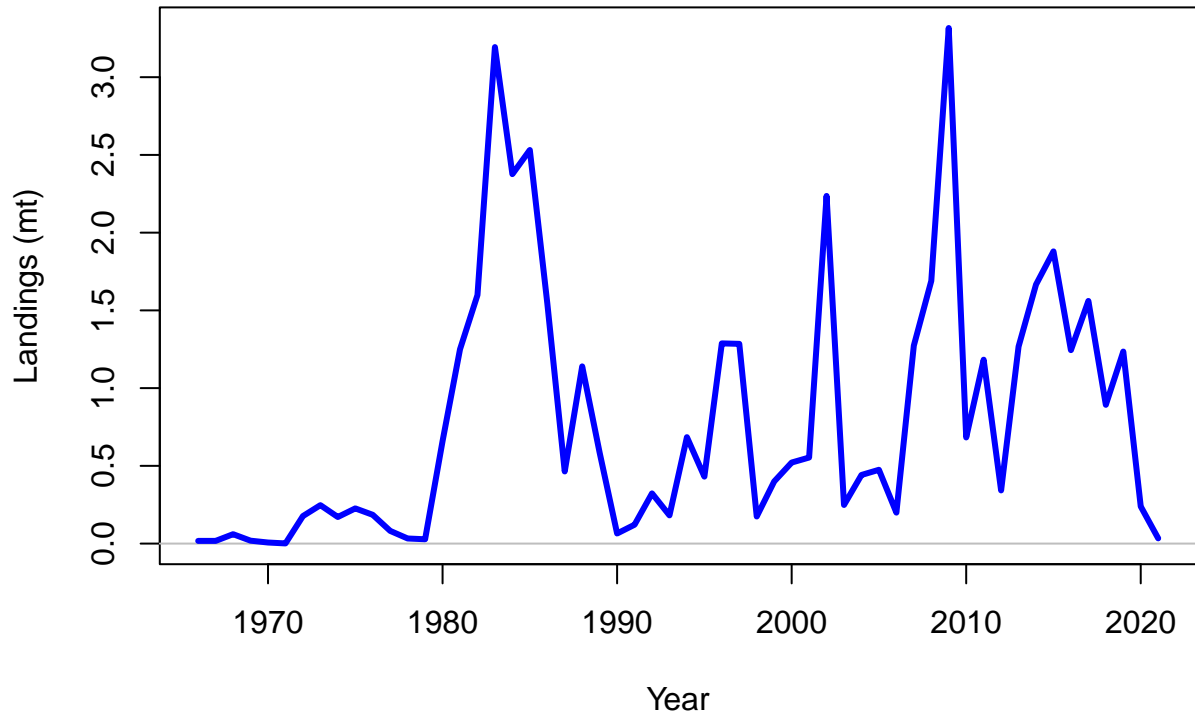


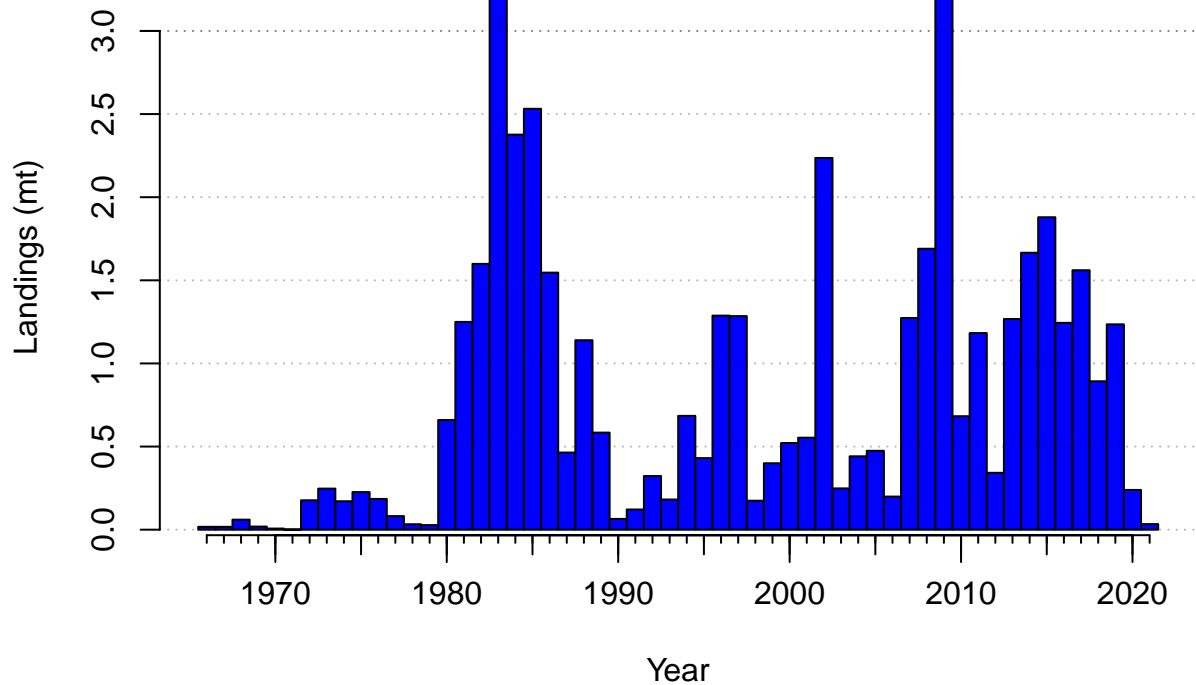












Observed and expected Landings (mt)

FISHERY
FISHERY obs.

3.0
2.5
2.0
1.5
1.0
0.5
0.0

1970

1980

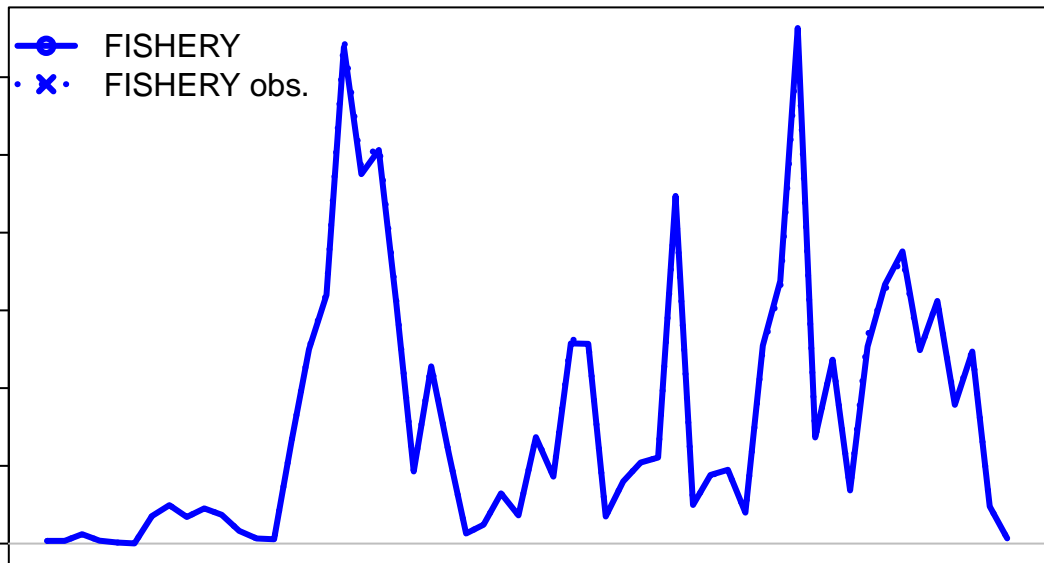
1990

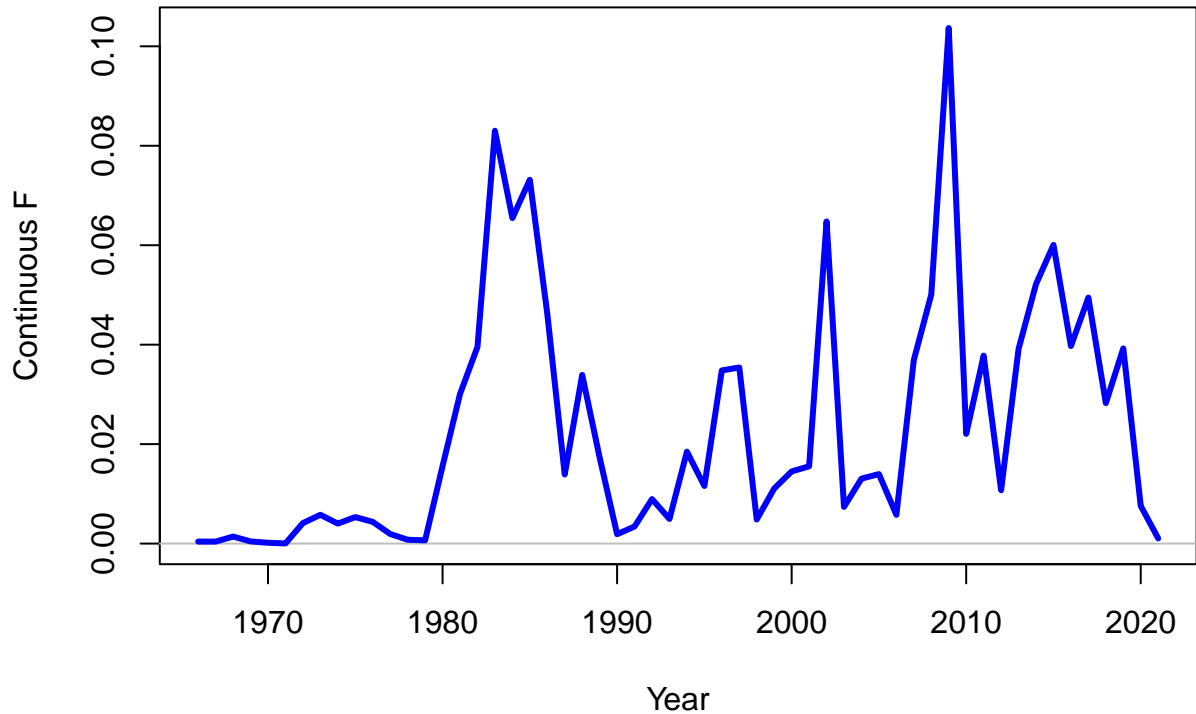
2000

2010

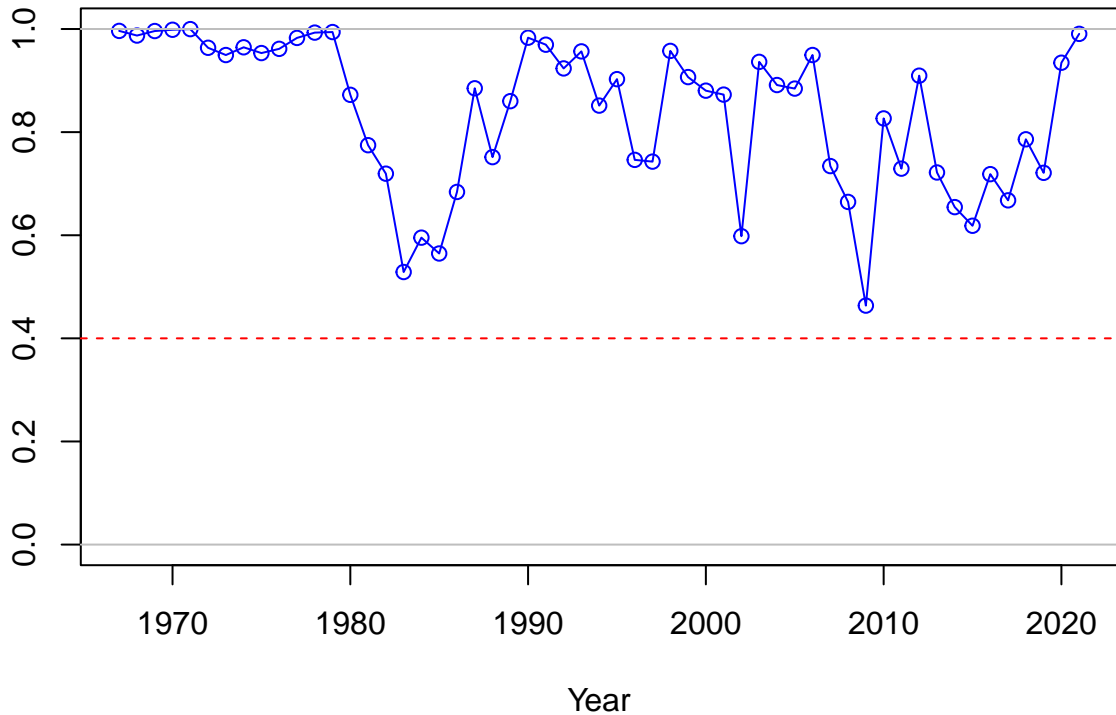
2020

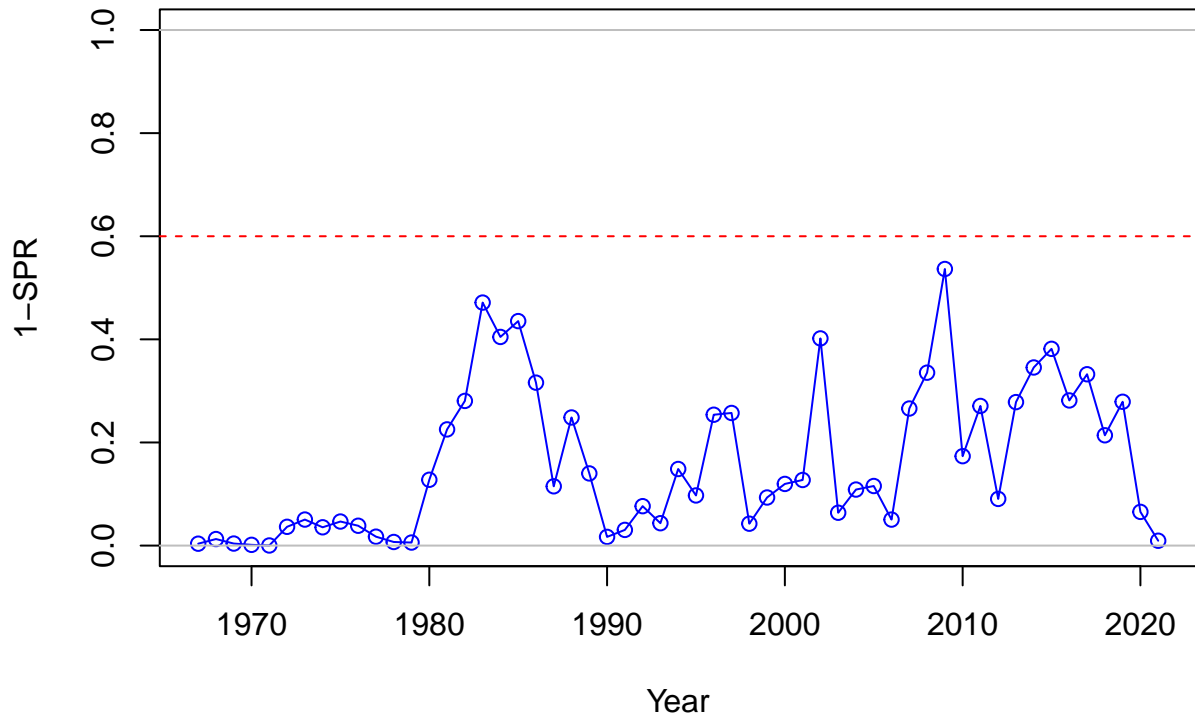
Year



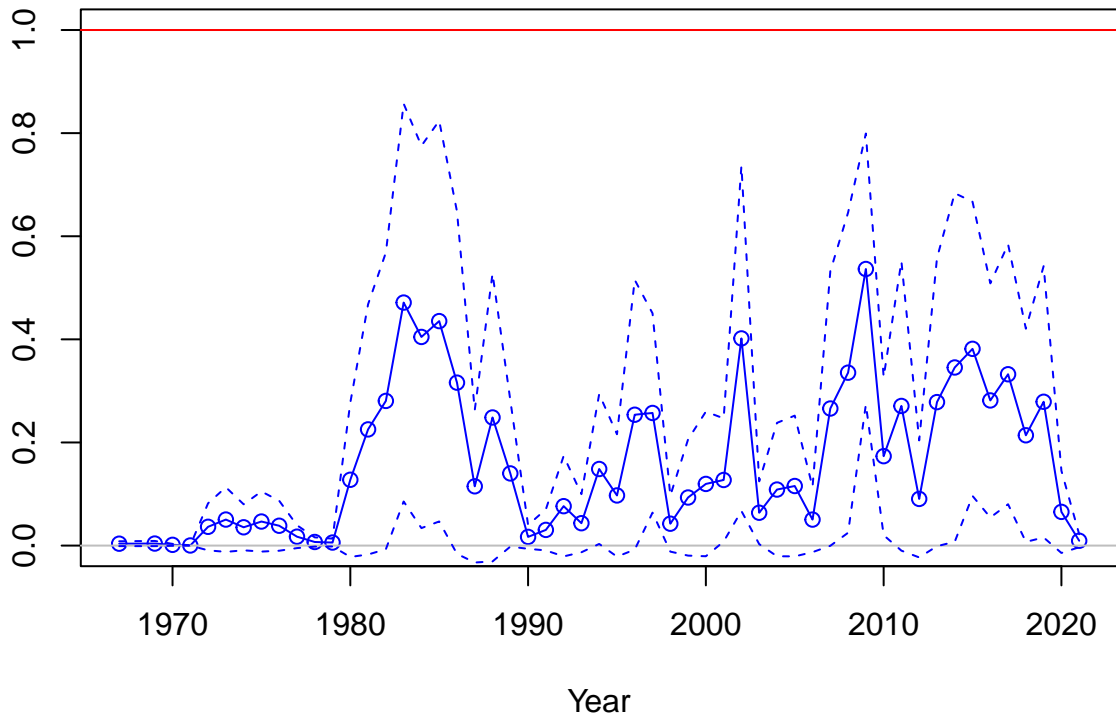


SPR

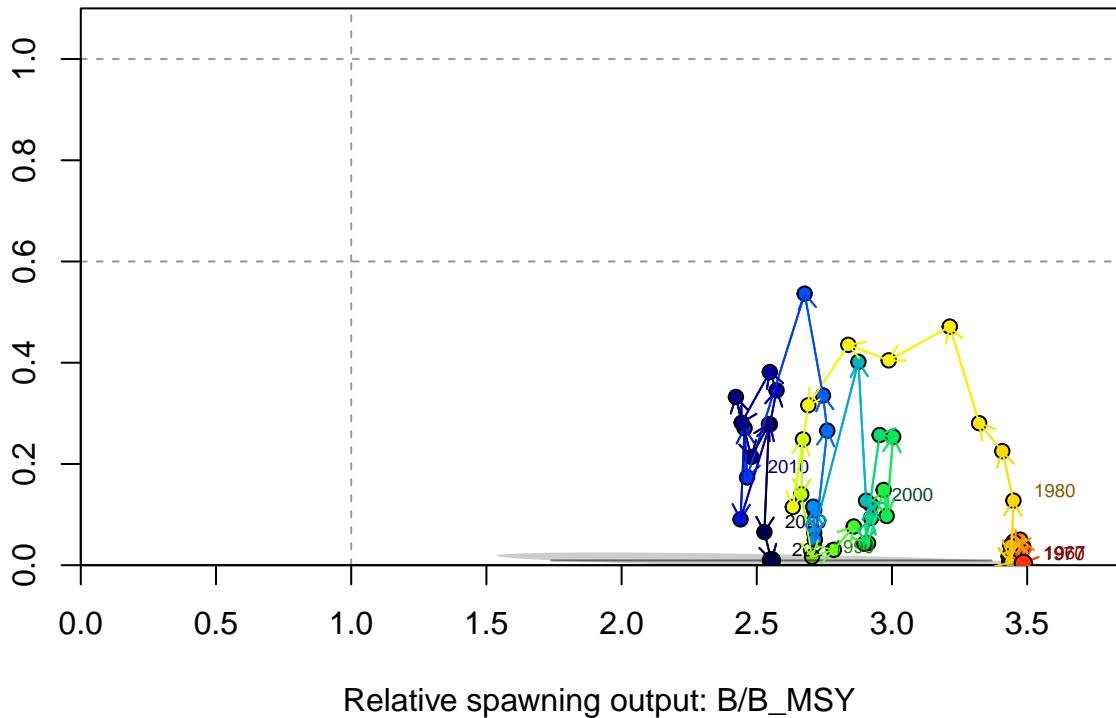


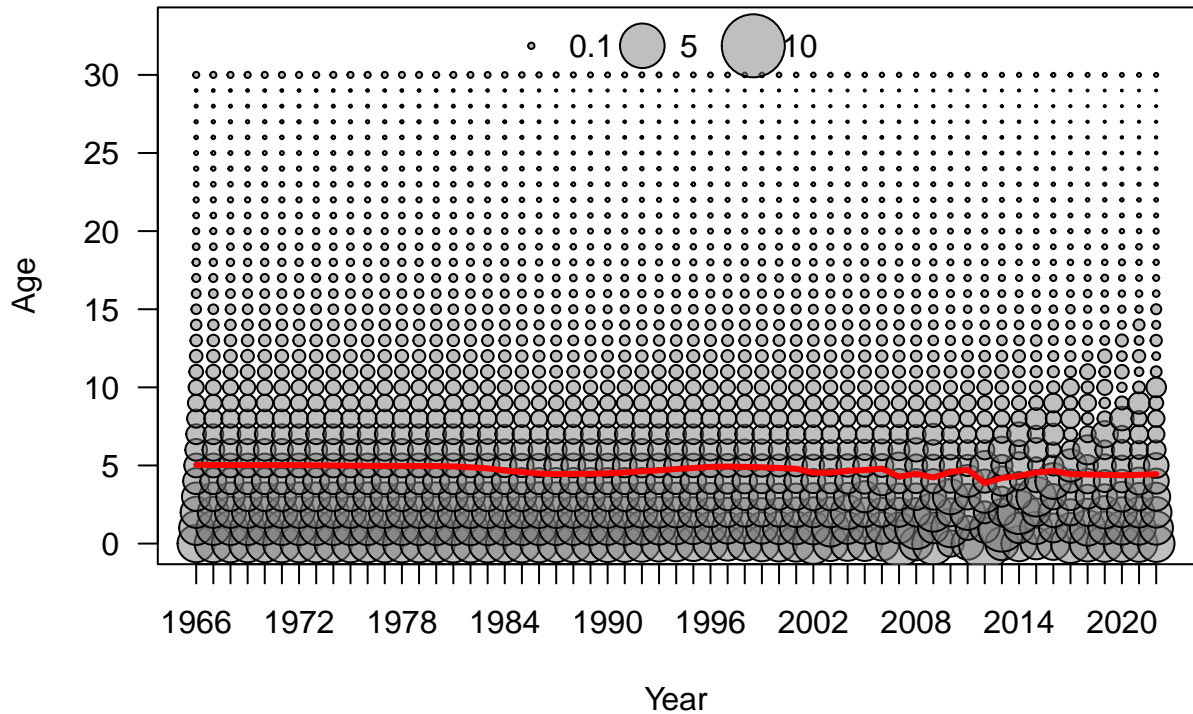


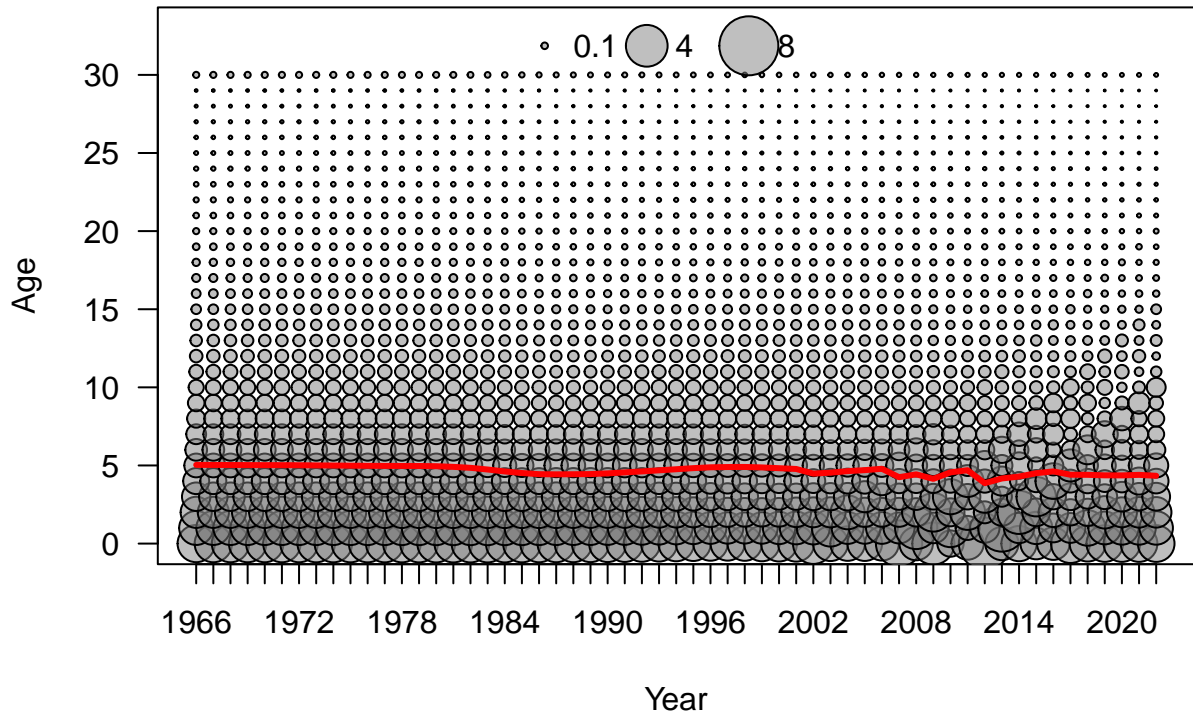
Fishing intensity: 1-SPR



Fishing intensity: 1-SPR

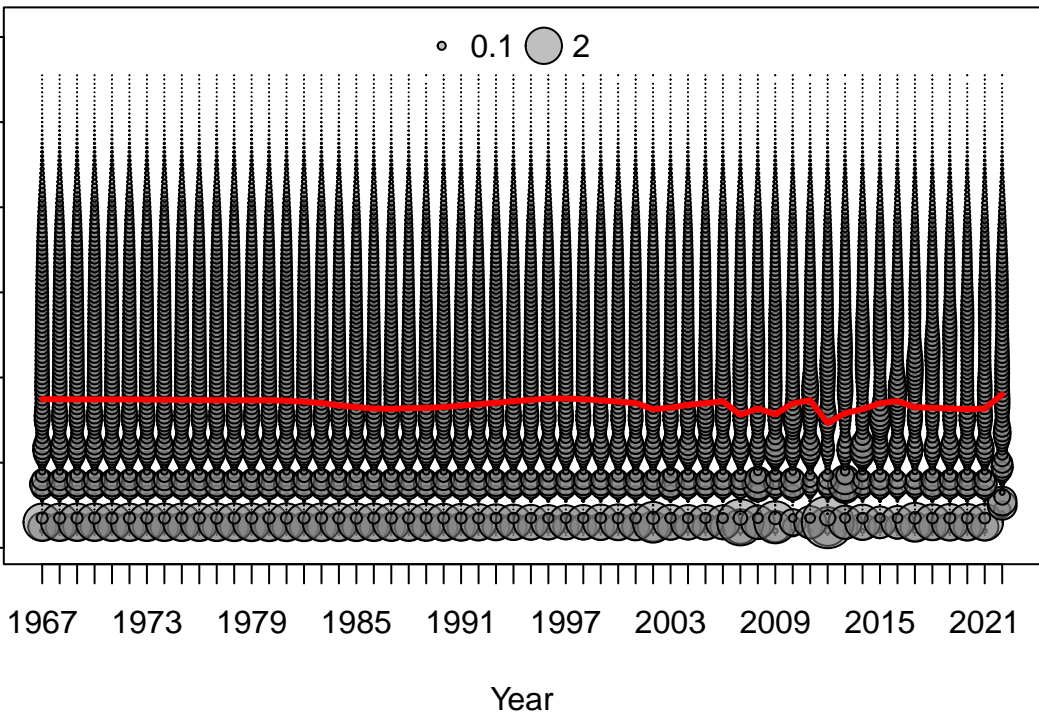


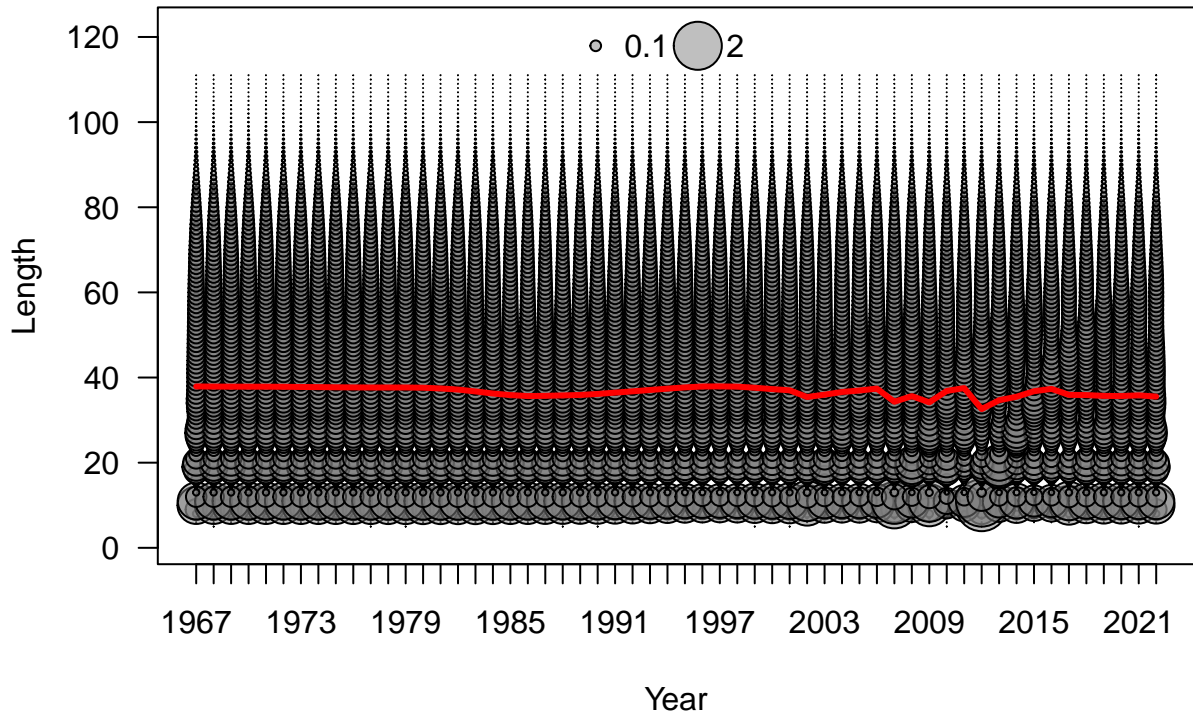


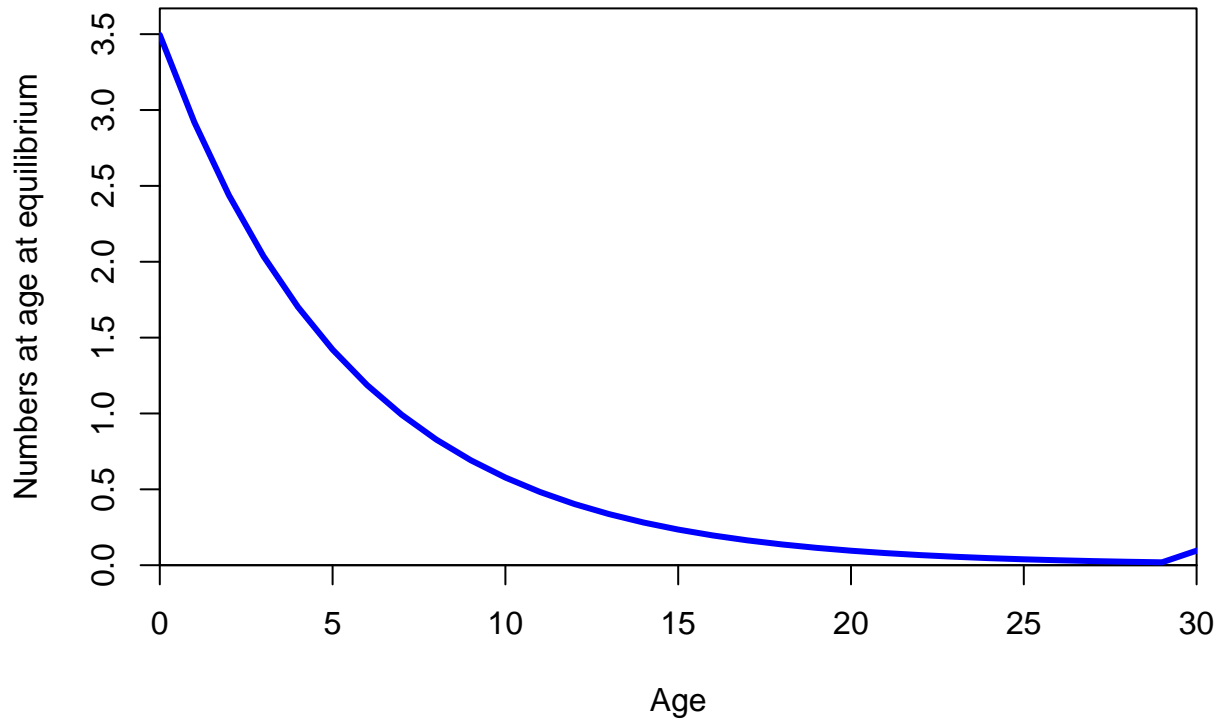


Length

◦ 0.1 ● 2

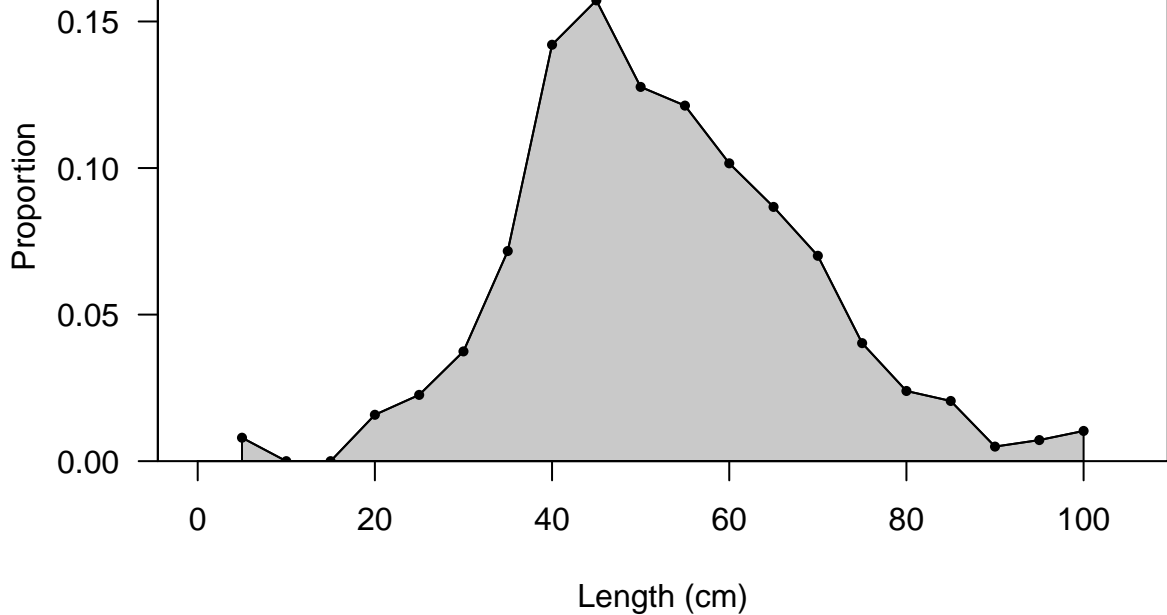


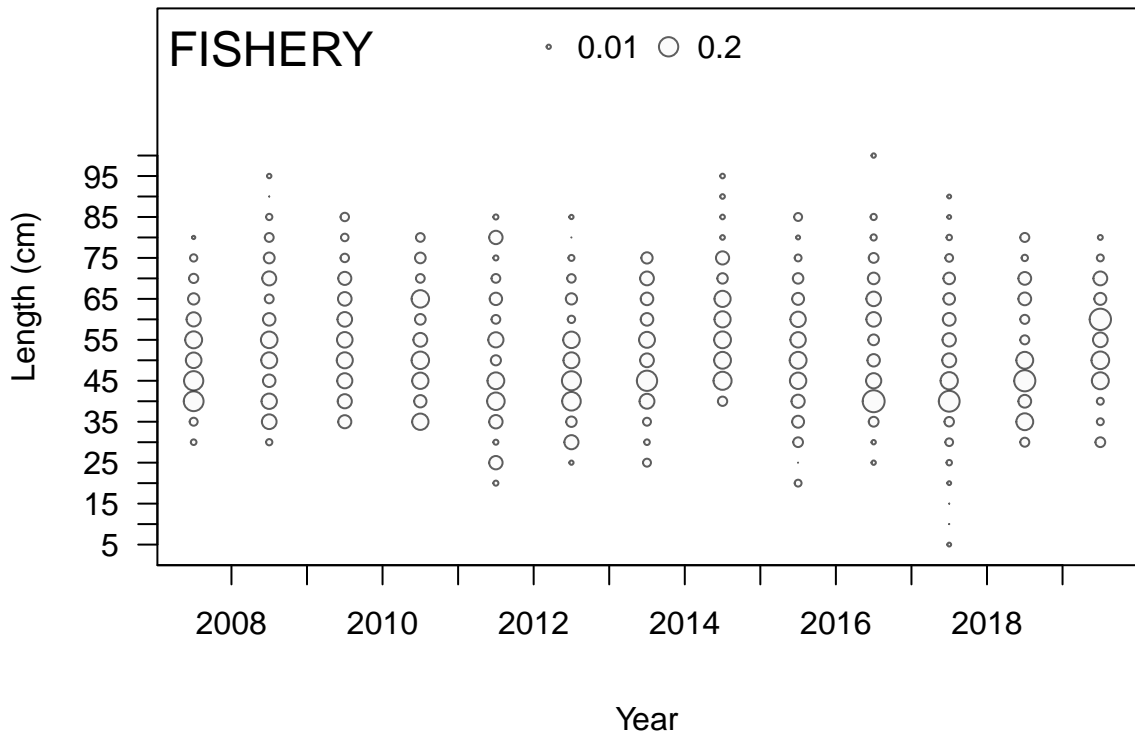


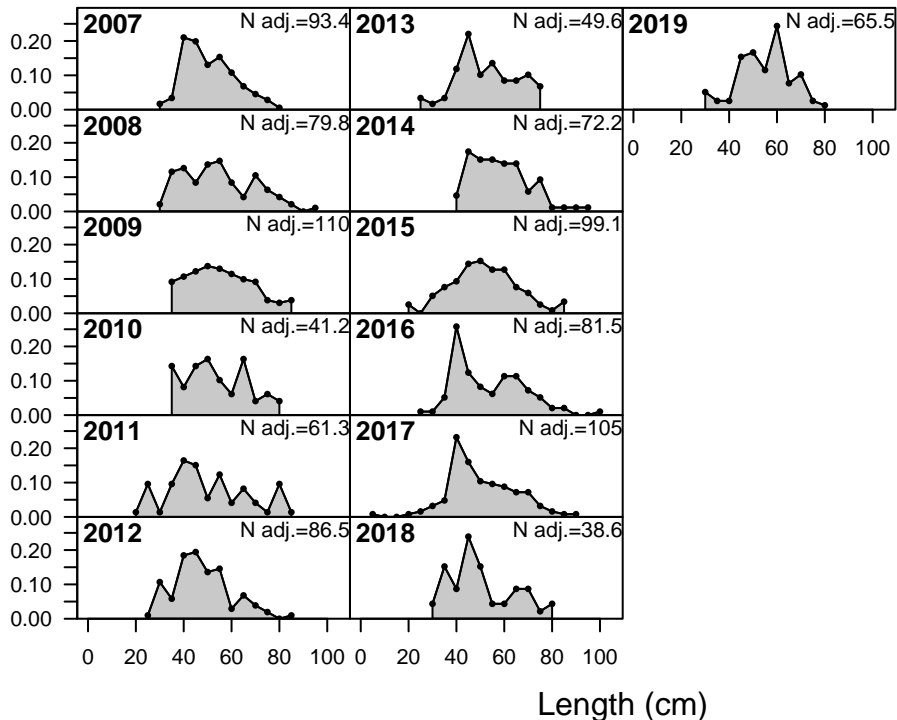


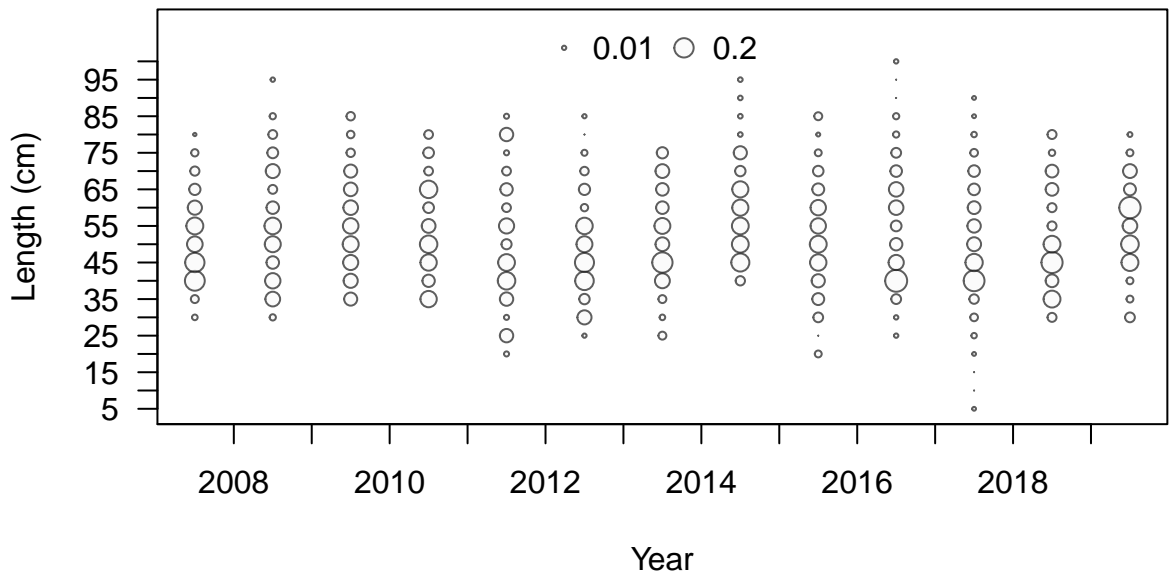
FISHERY

Sum of N adj.=983.8

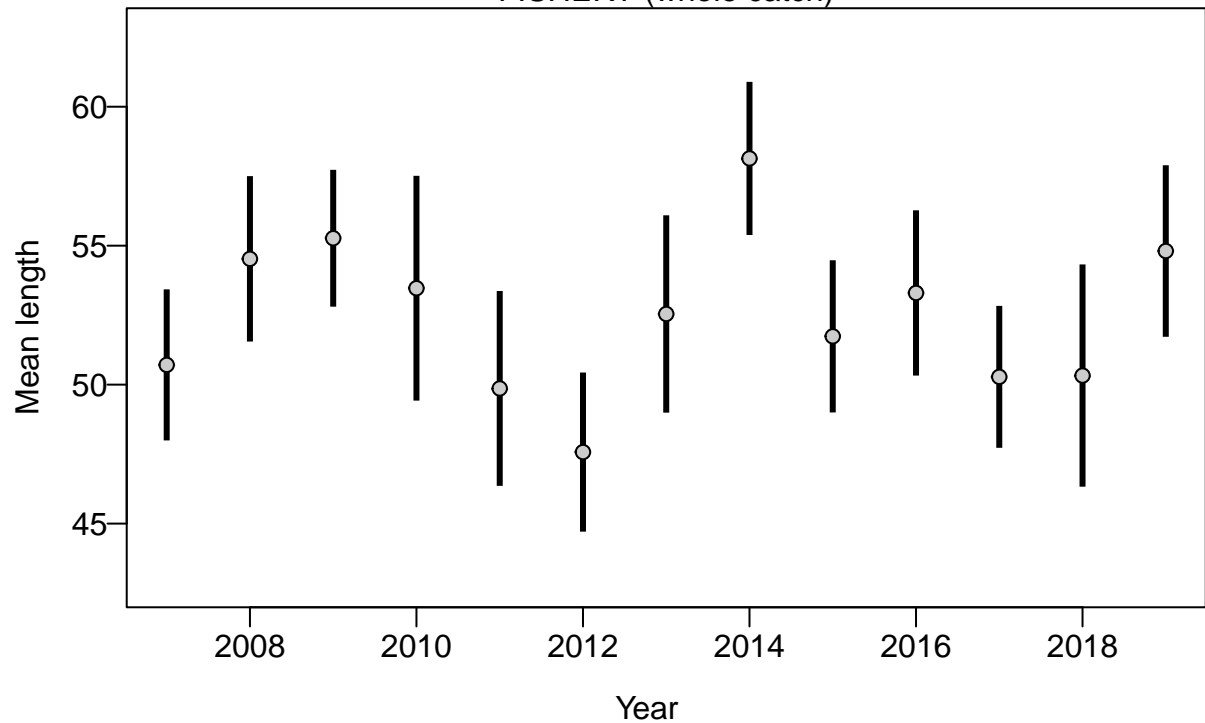






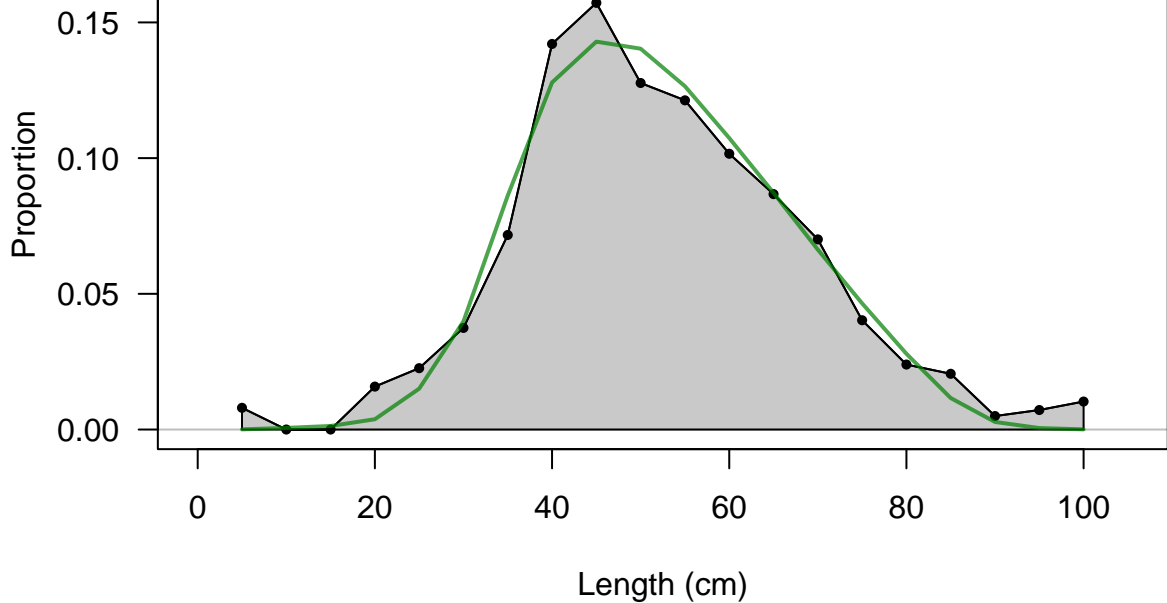


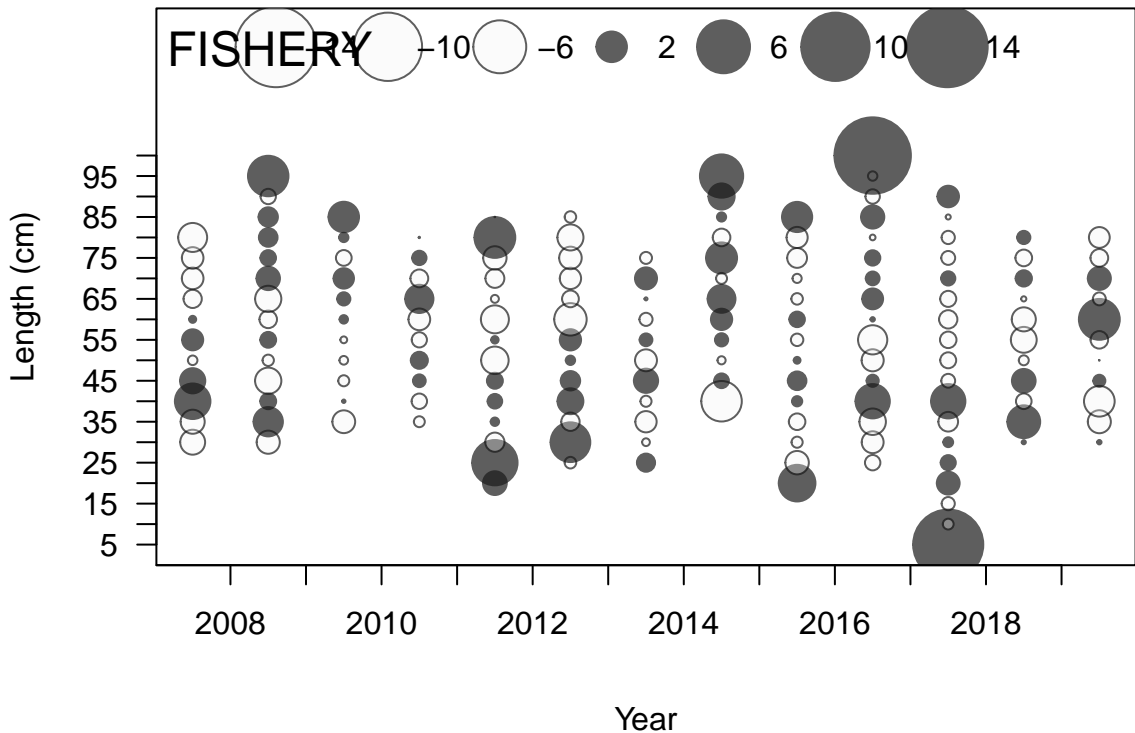
FISHERY (whole catch)



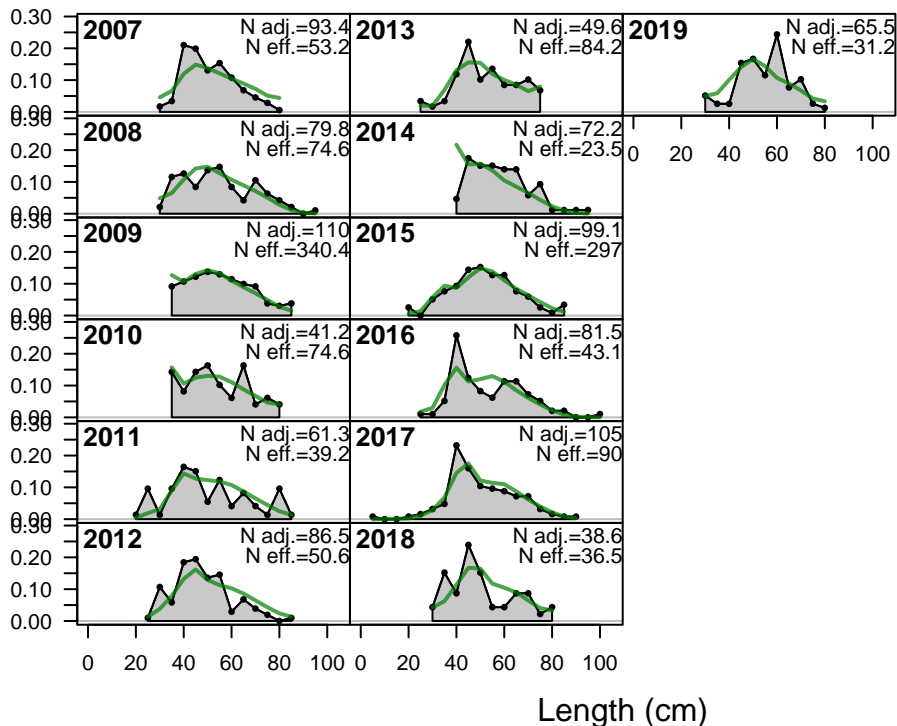
FISHERY

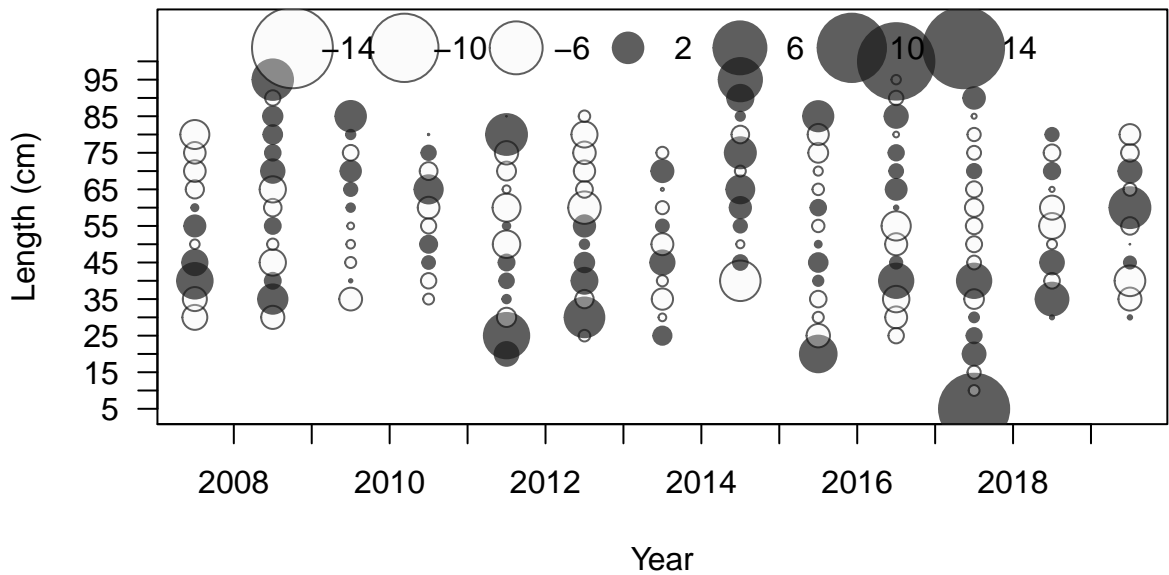
Sum of N adj.=983.8
Sum of N eff.=1238.1



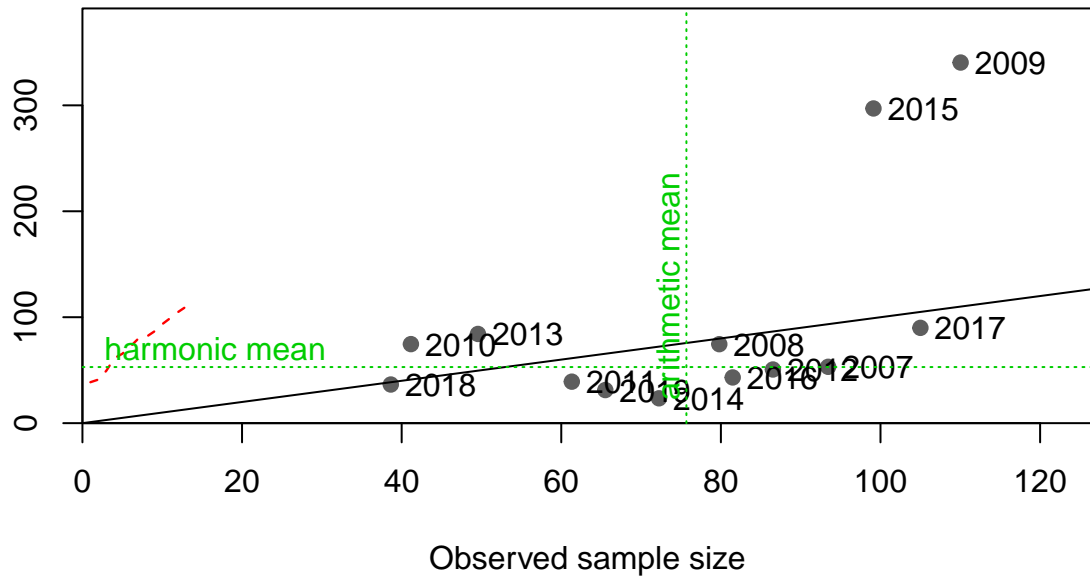


Proportion

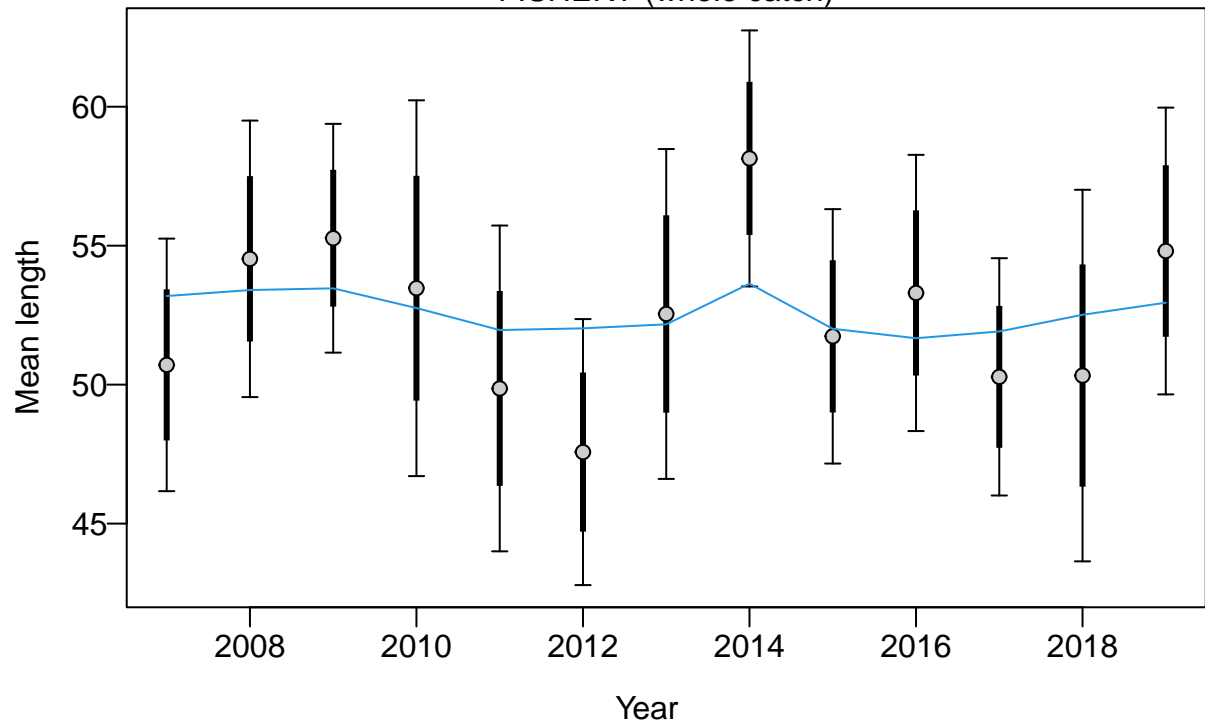


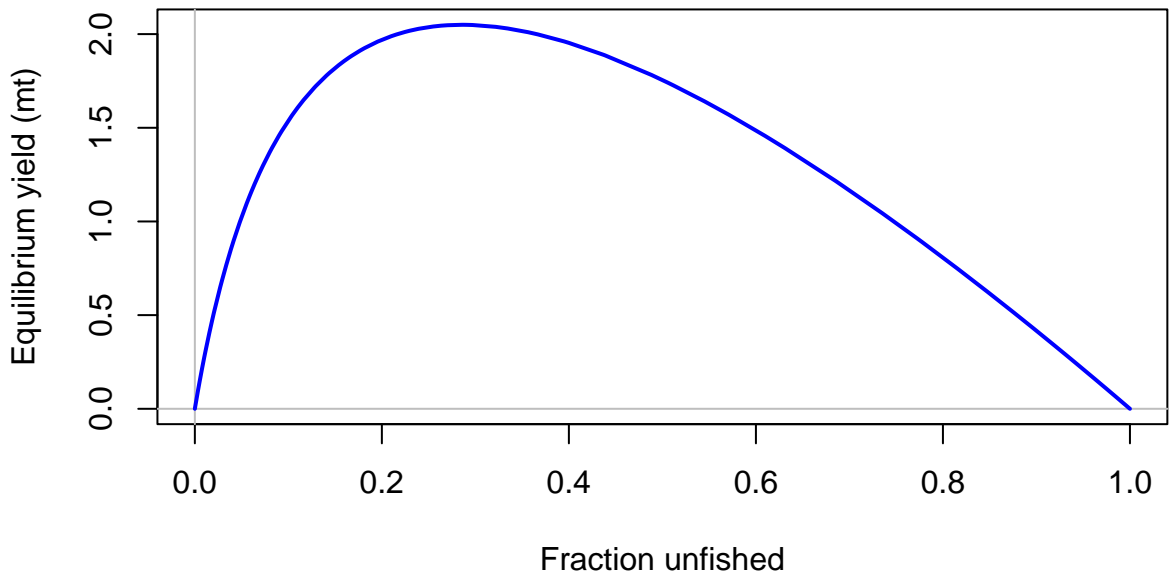


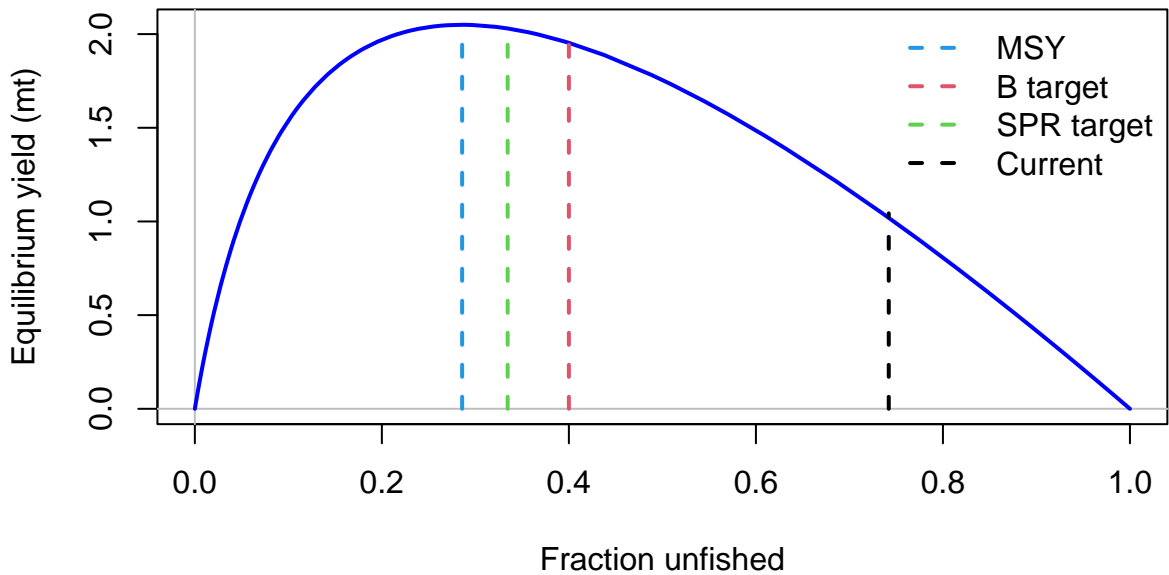
Effective sample size

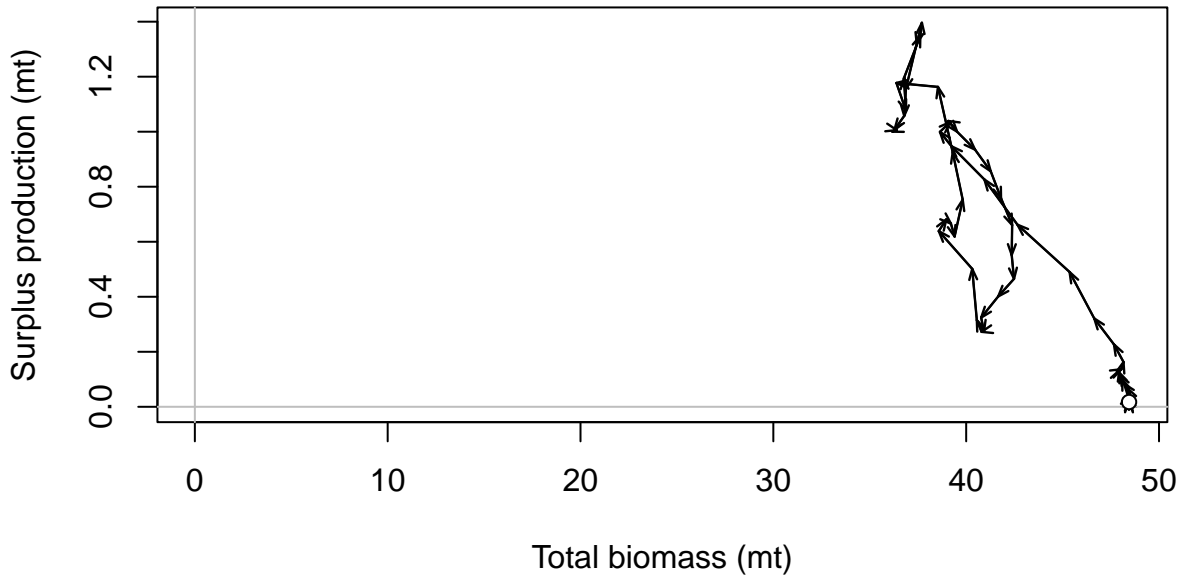


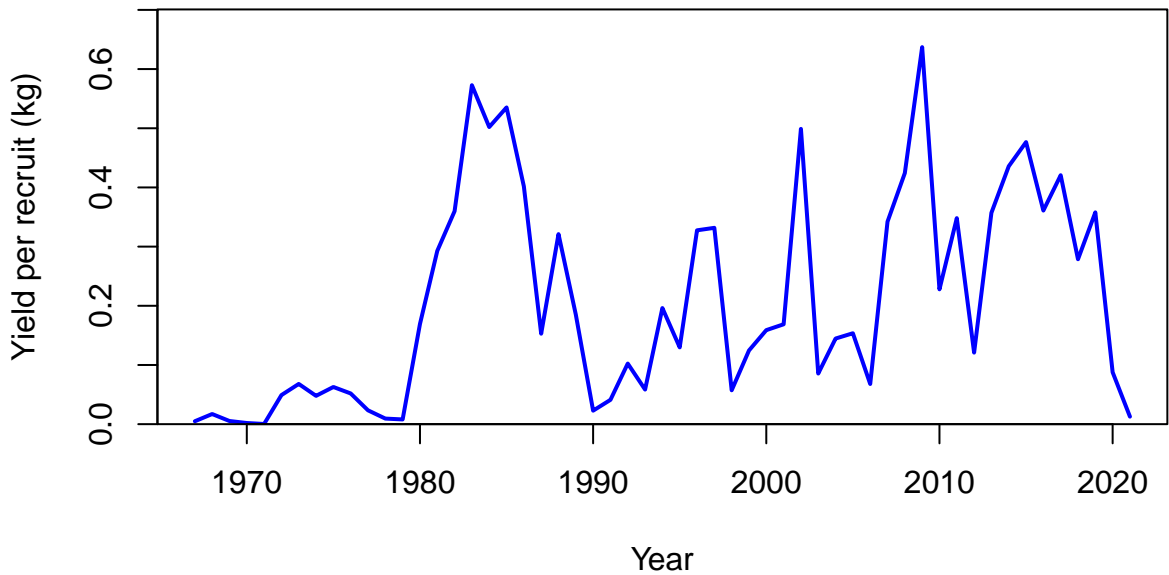
FISHERY (whole catch)

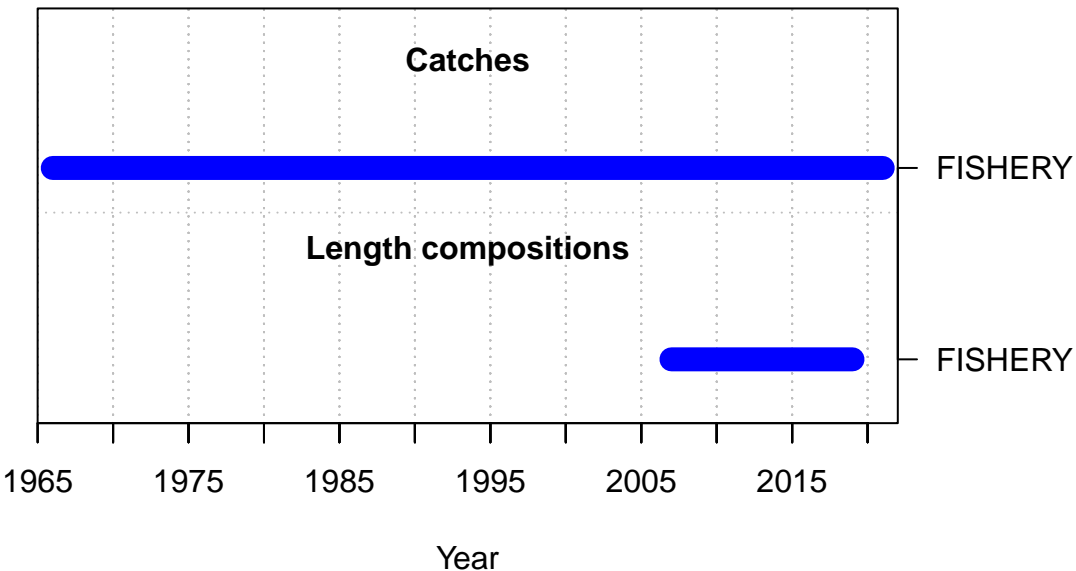


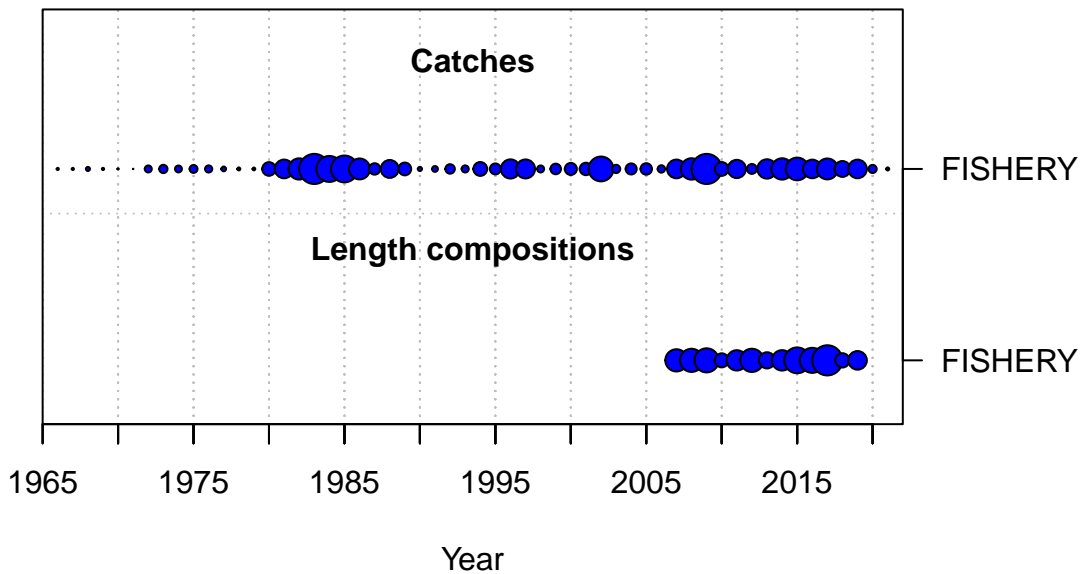




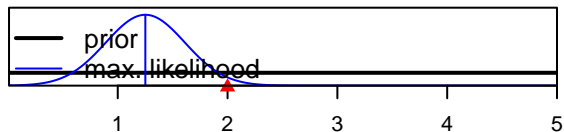




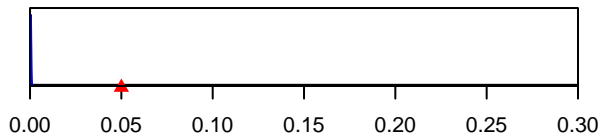




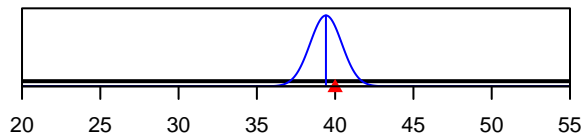
SR_LN(R0)



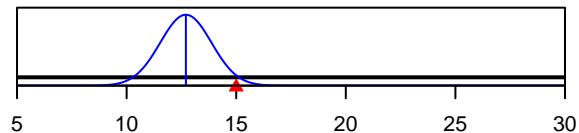
InitF_seas_1_flt_1FISHERY



Size_inflection_FISHERY(1)



Size_95%width_FISHERY(1)



Parameter value