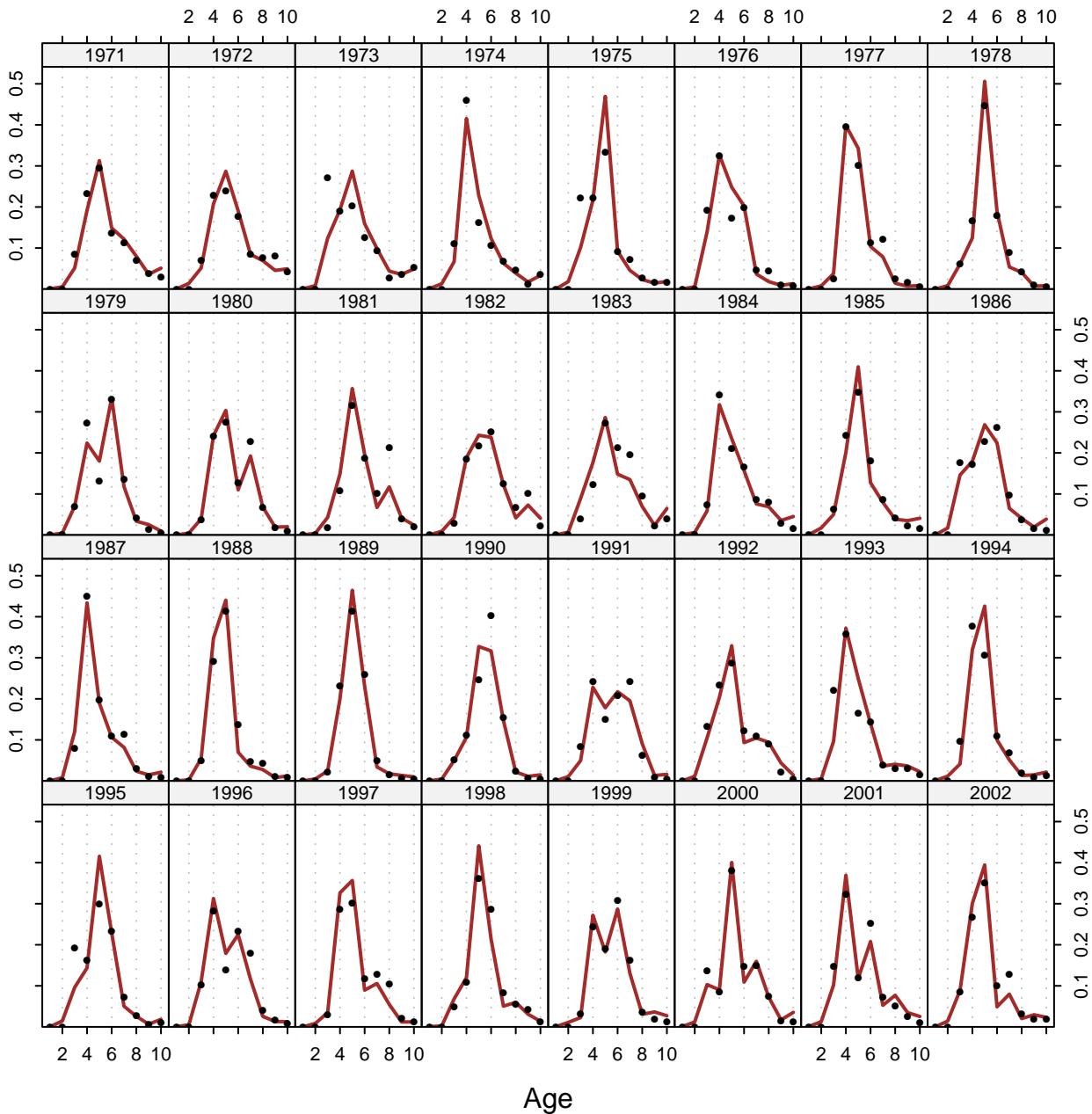
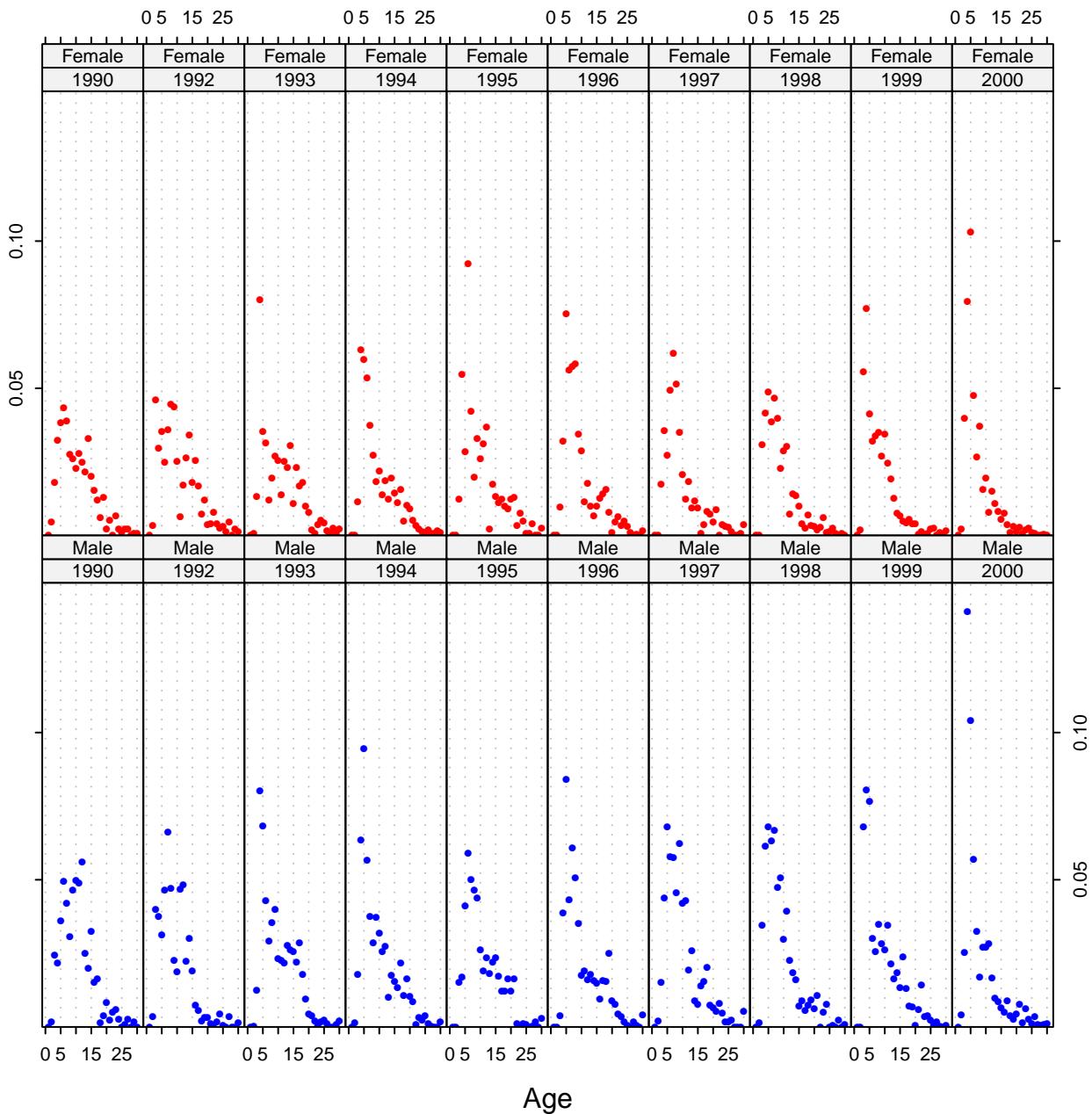
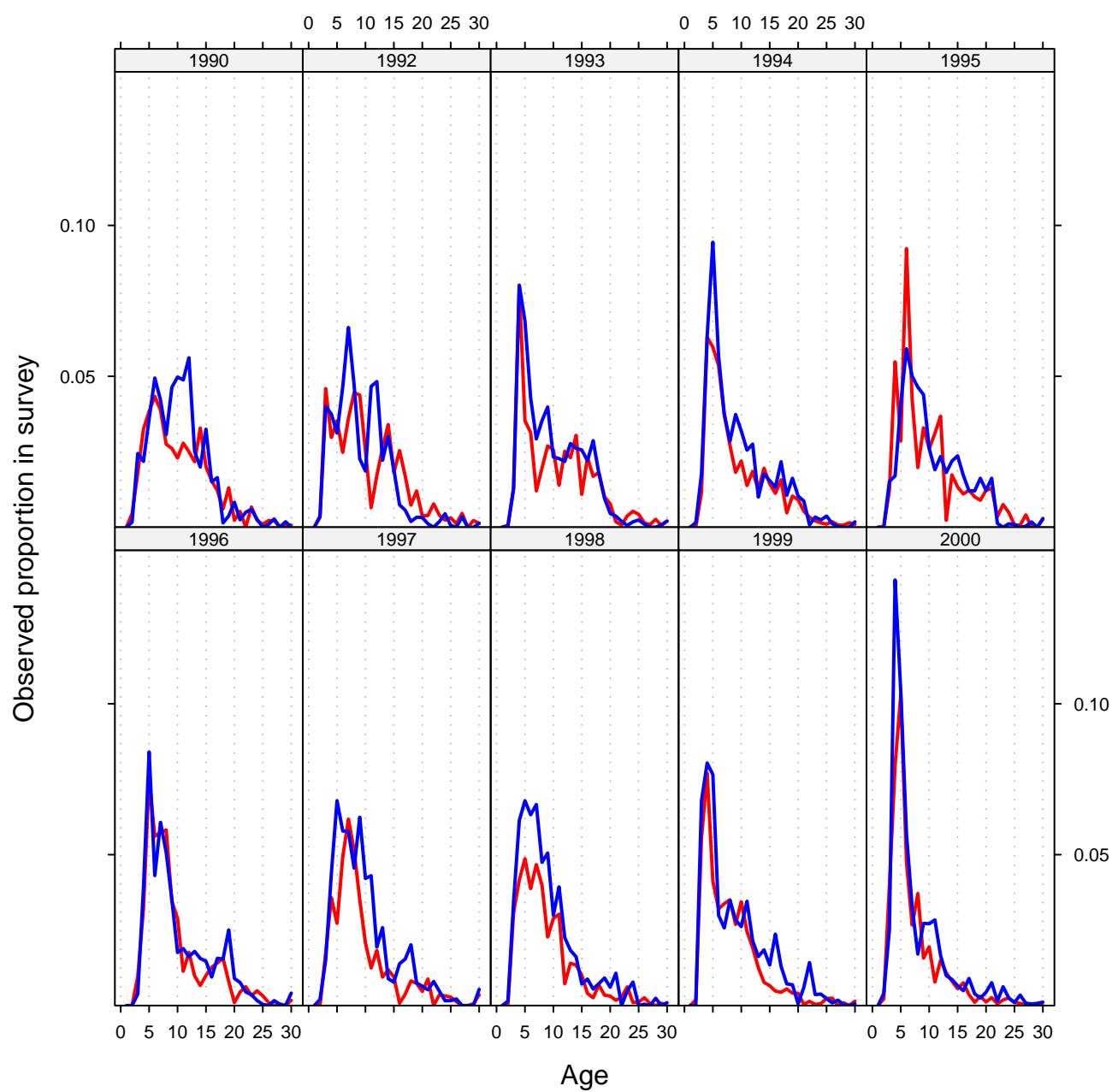


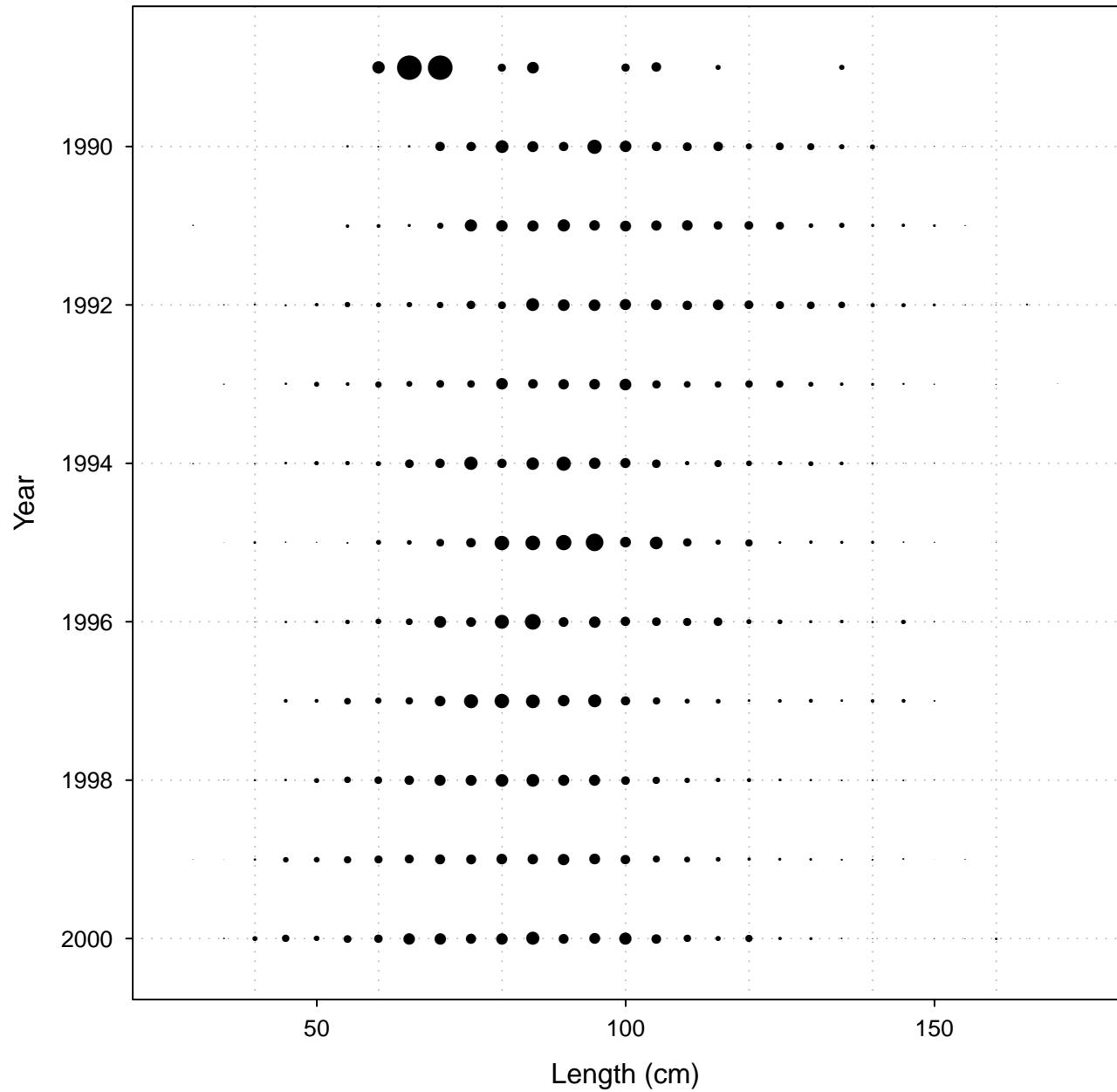
Proportion in catch

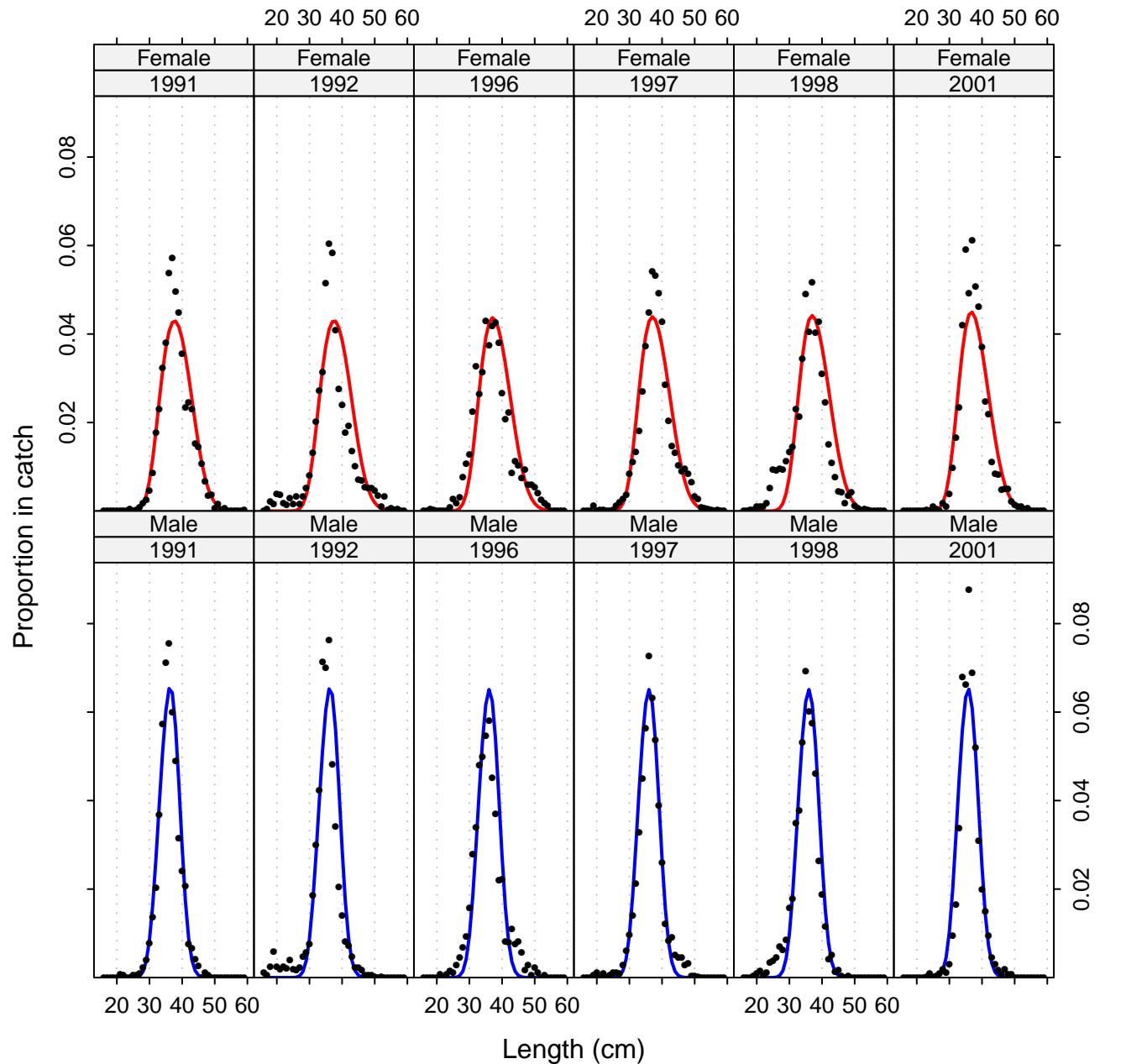


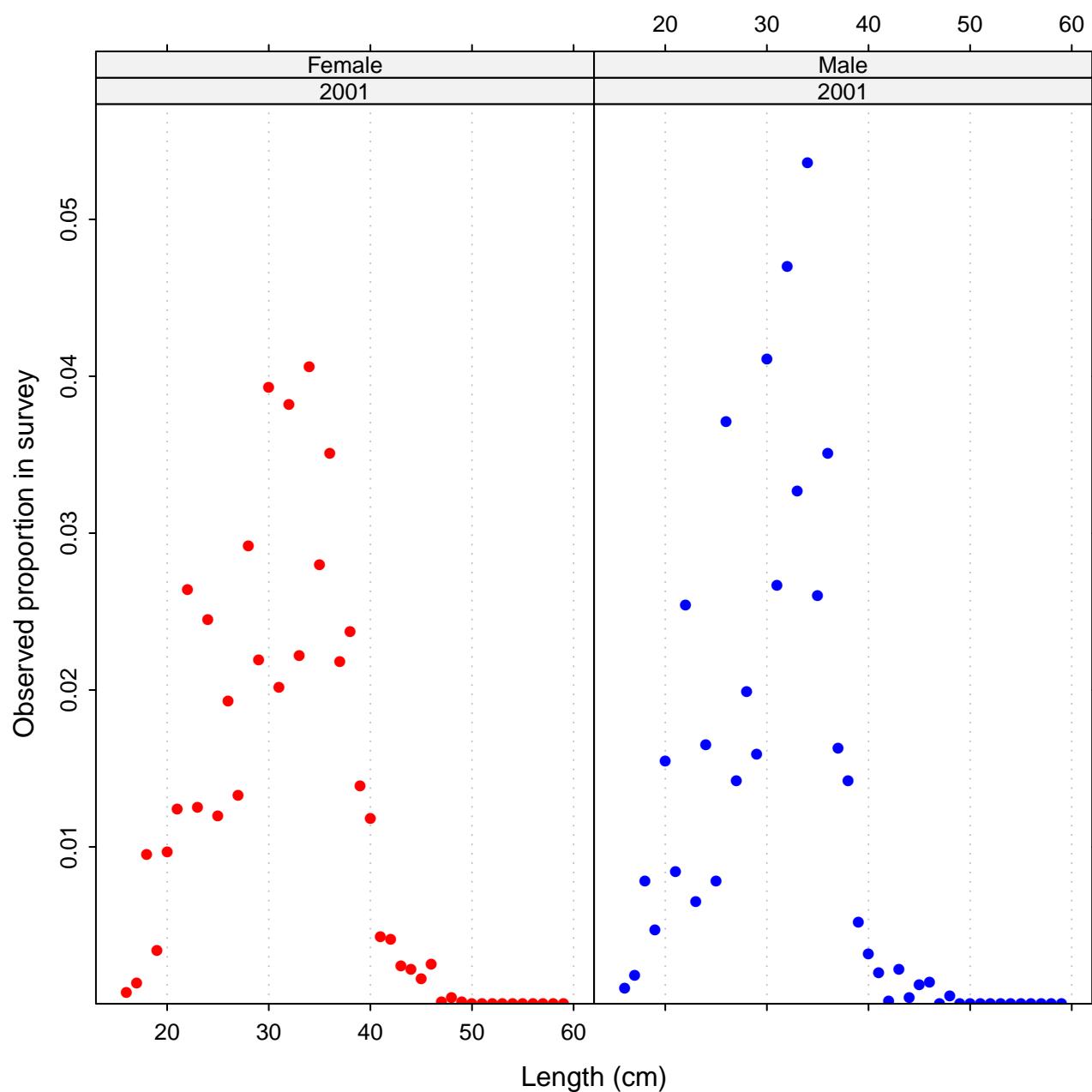
Observed proportion in survey





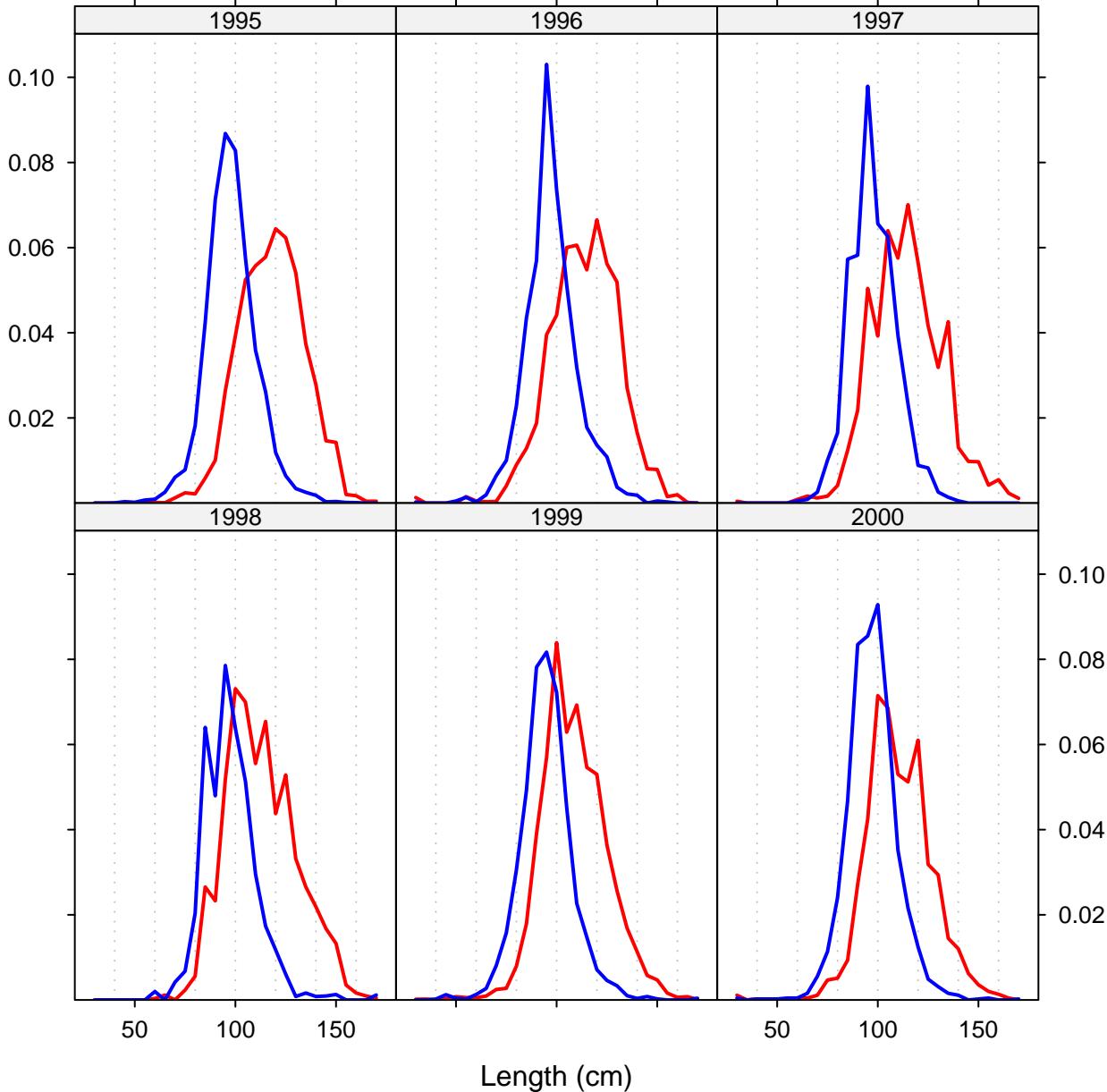




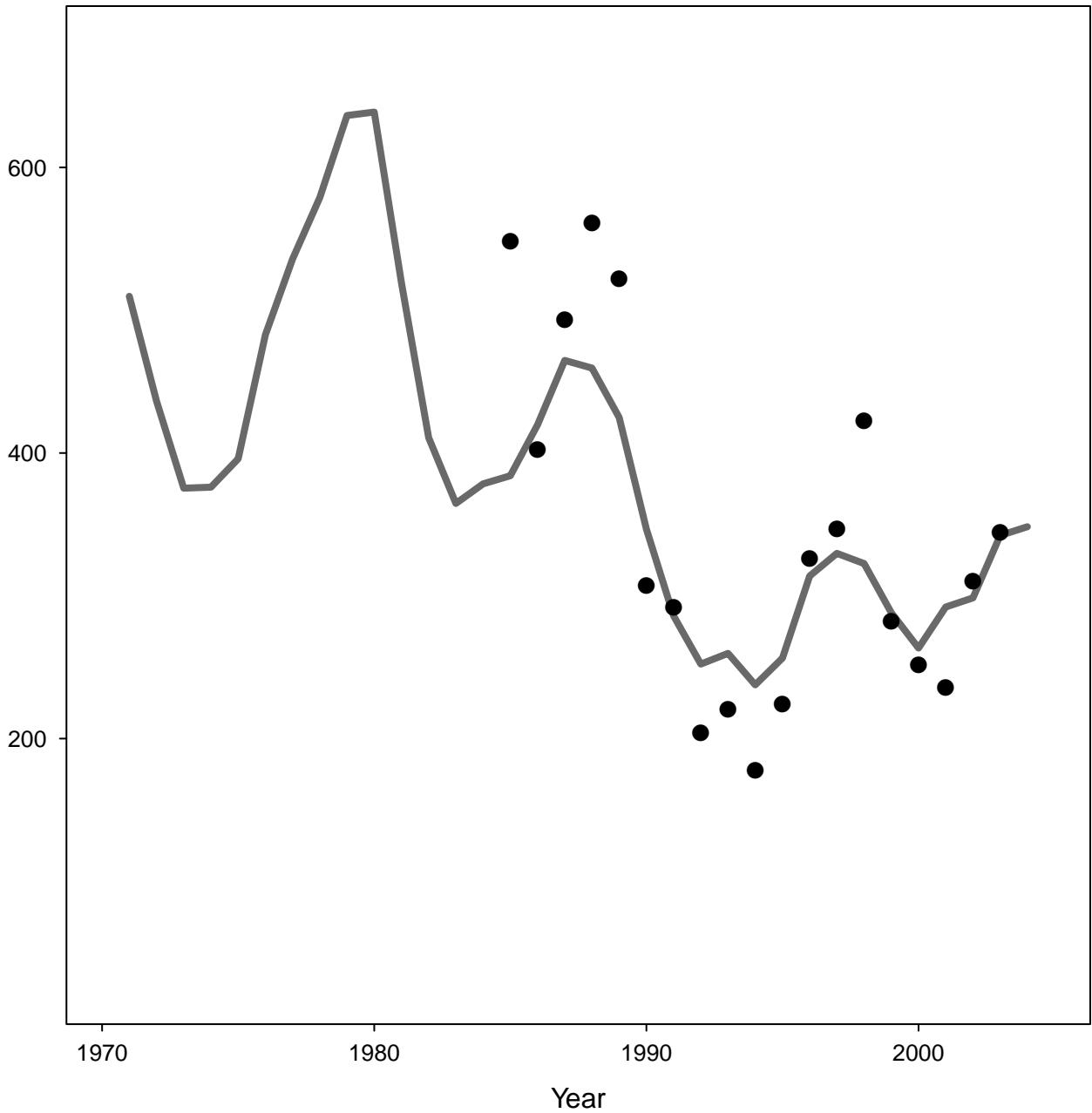


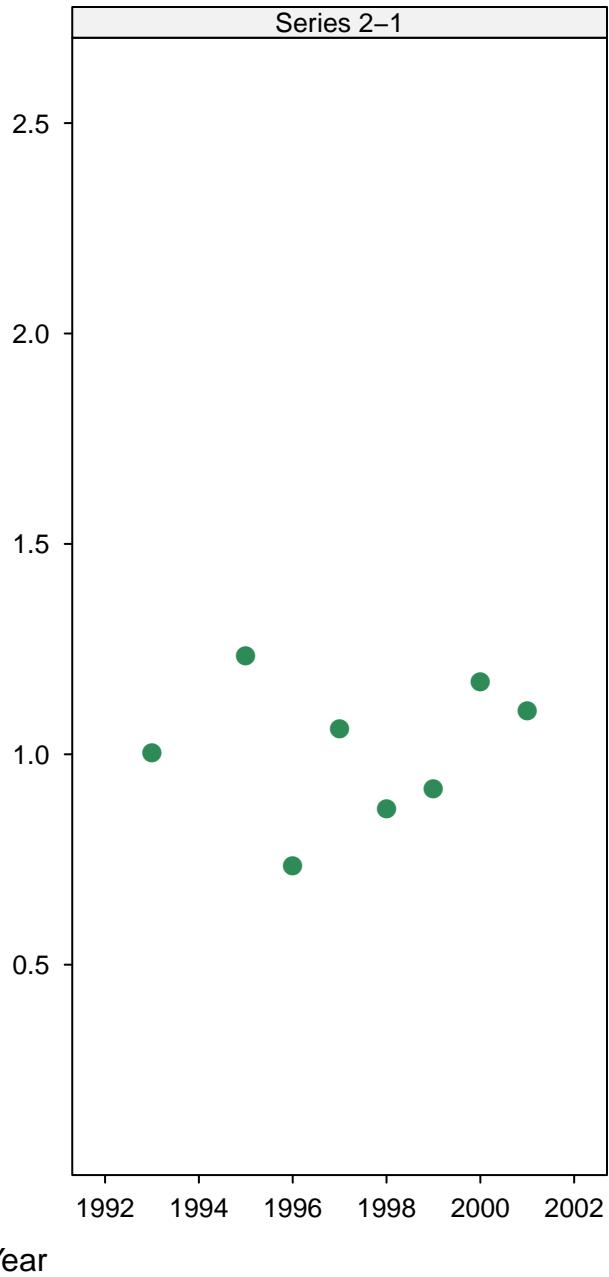
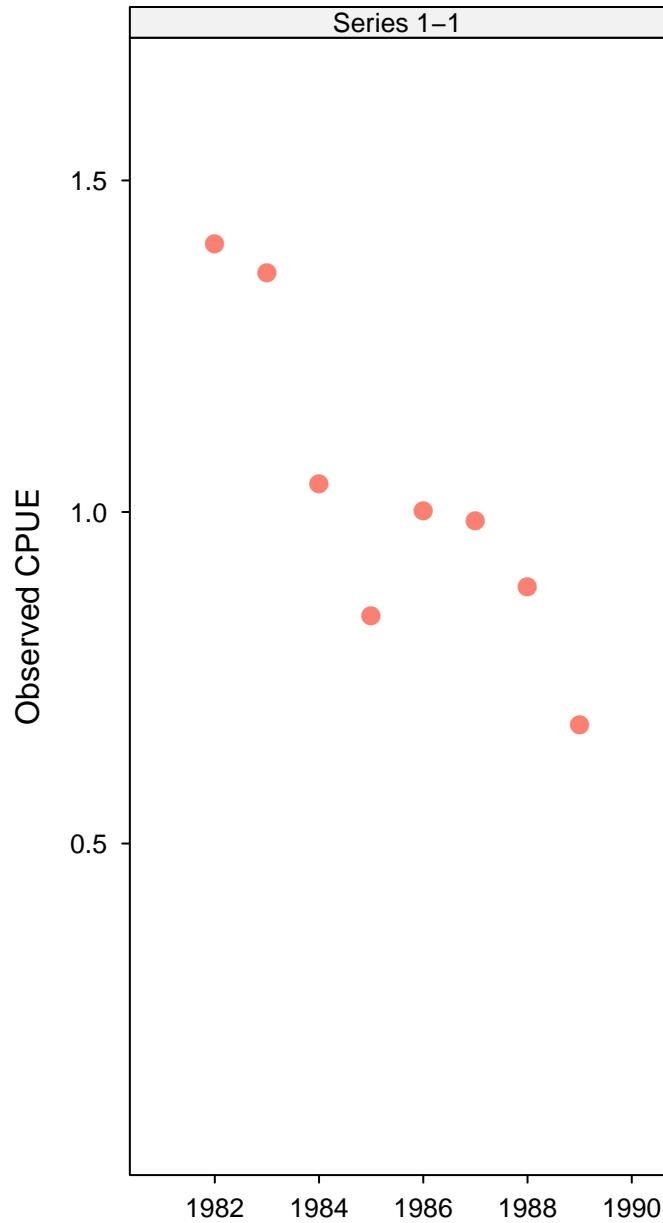
Observed proportion in trawl catch

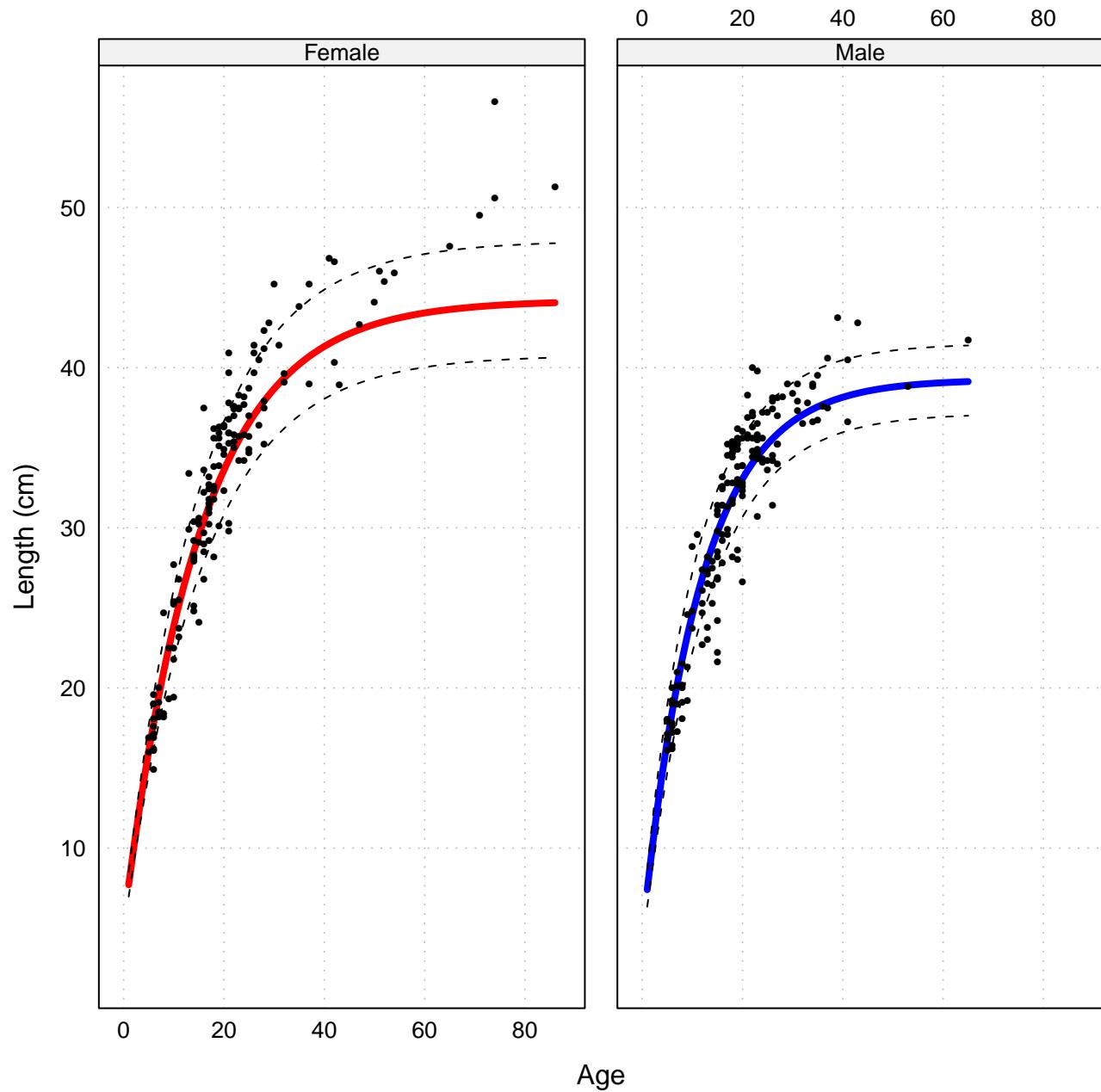
50 100 150

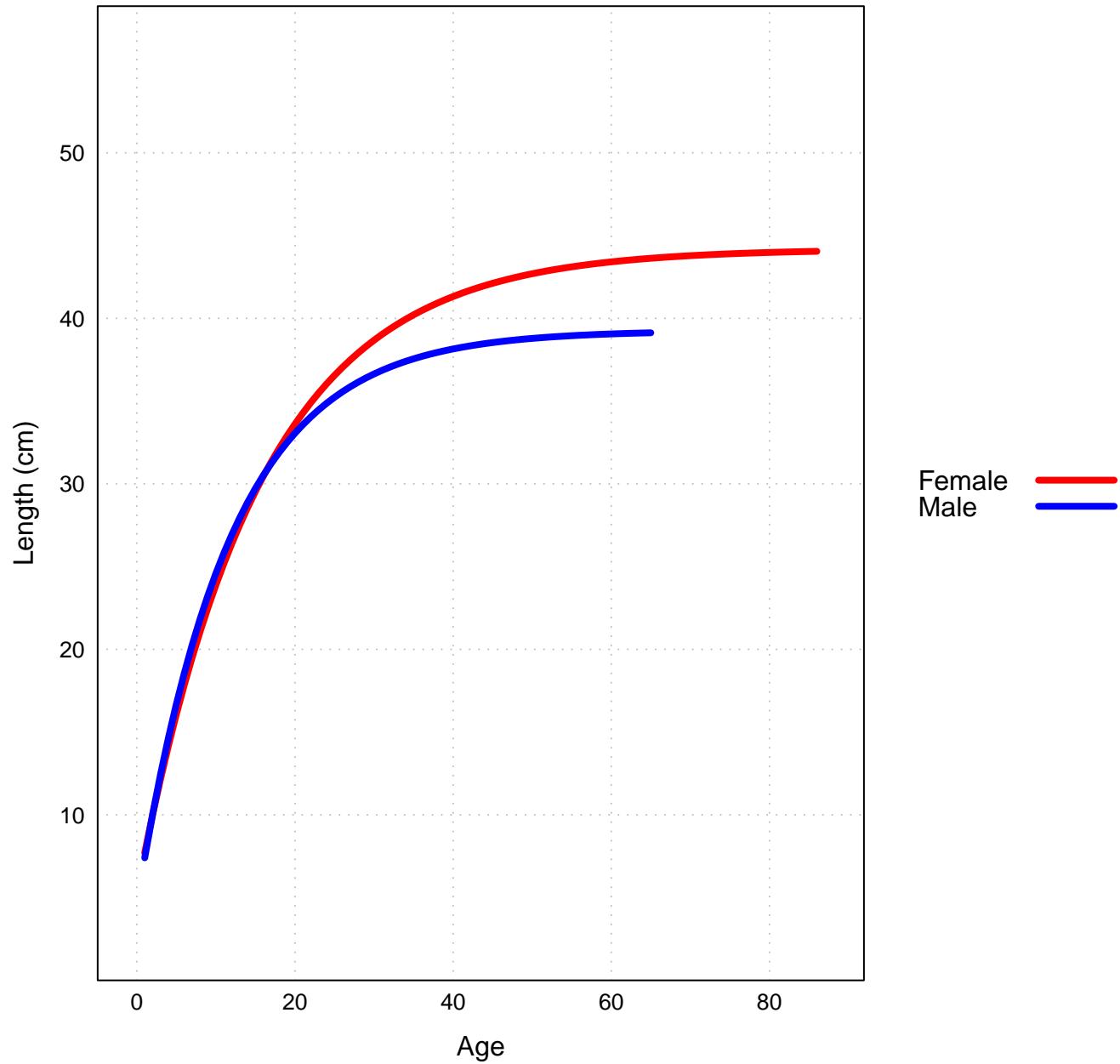


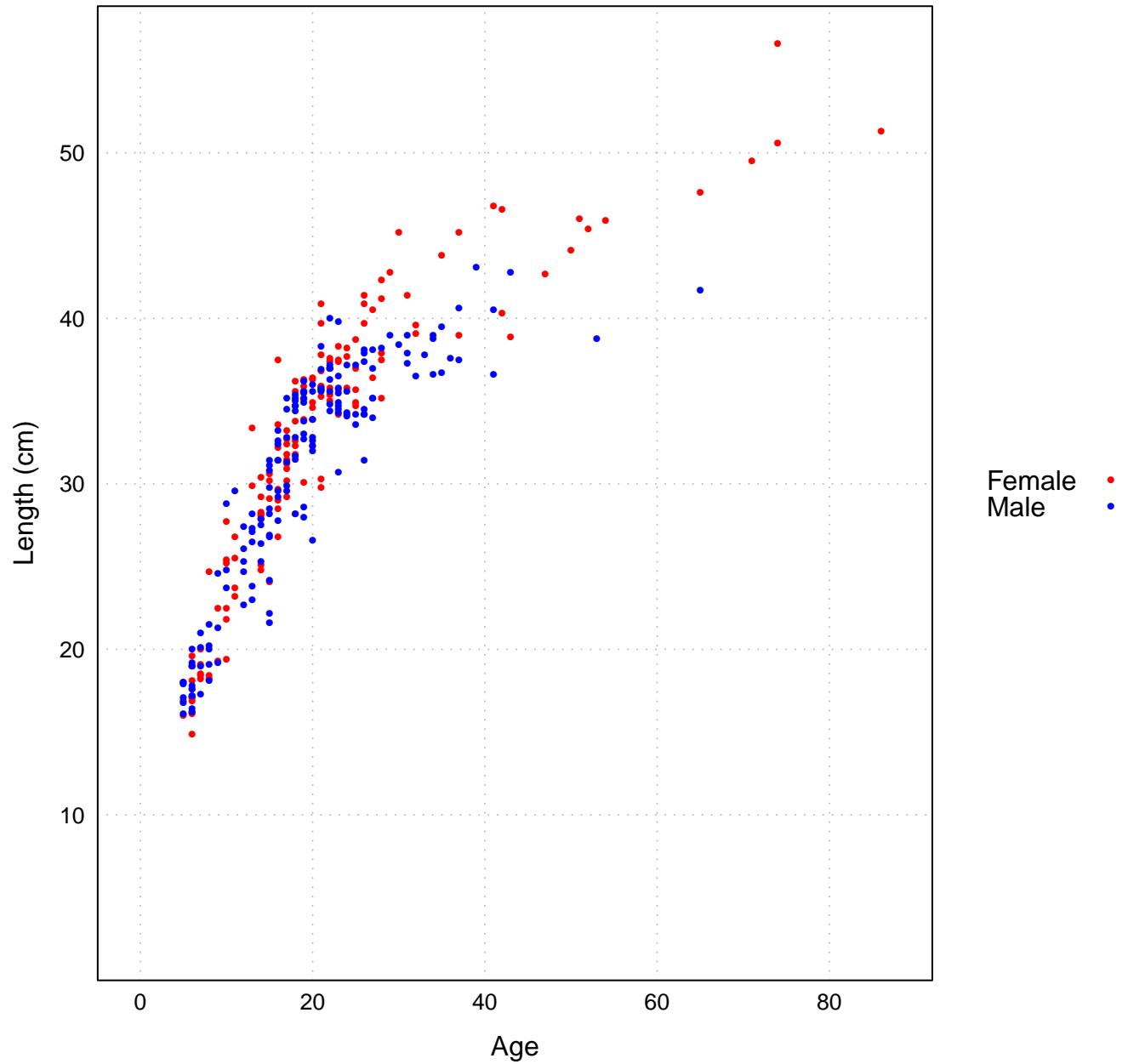
Survey abundance index





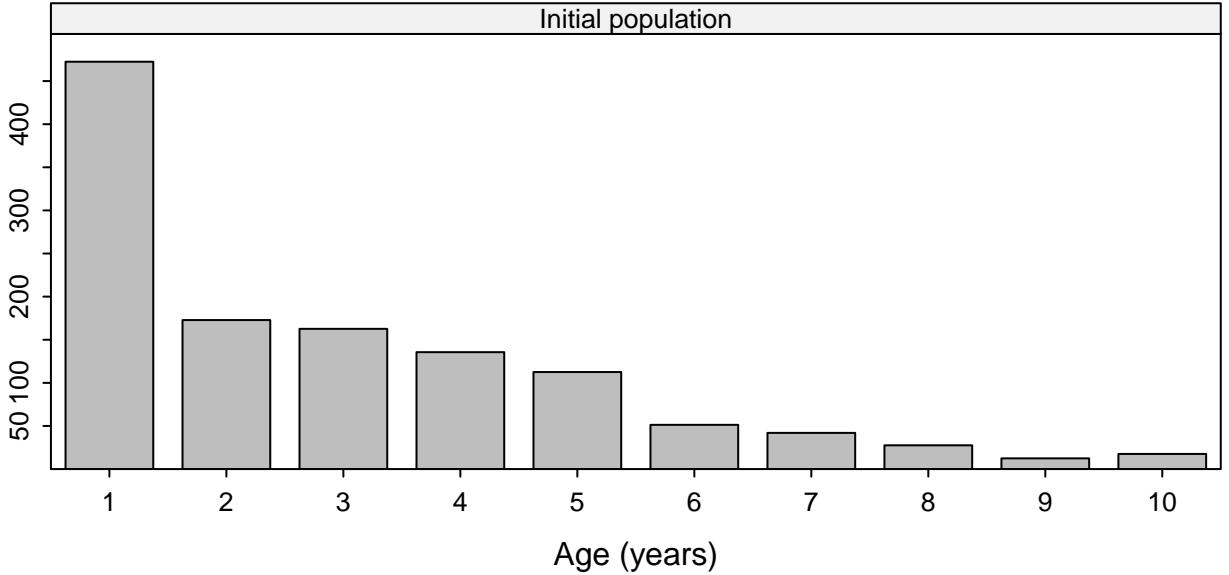






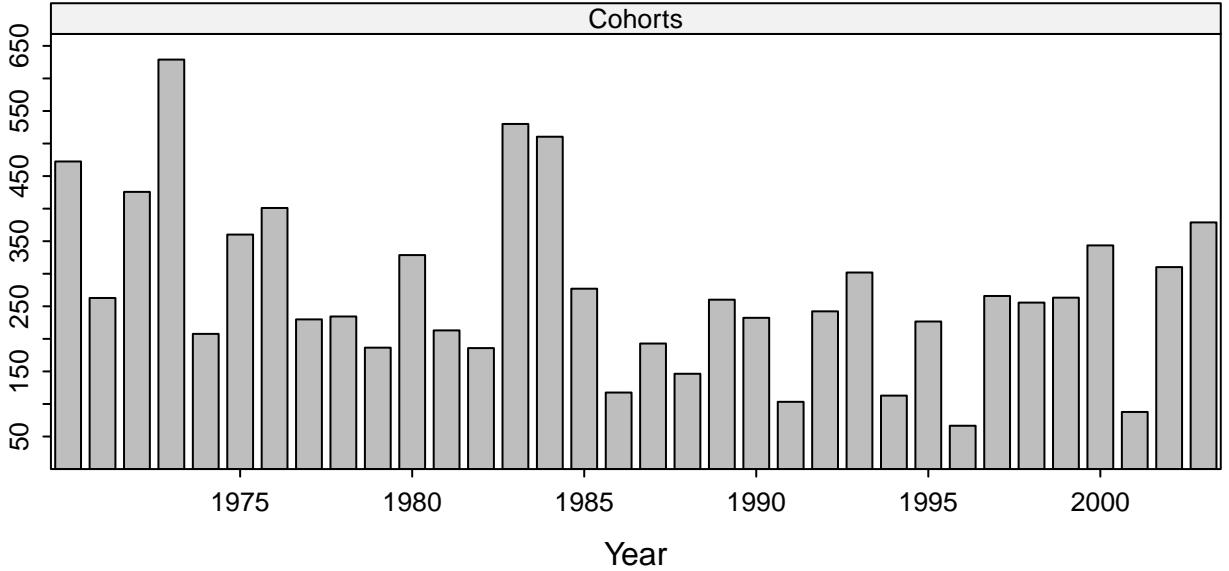
Initial population

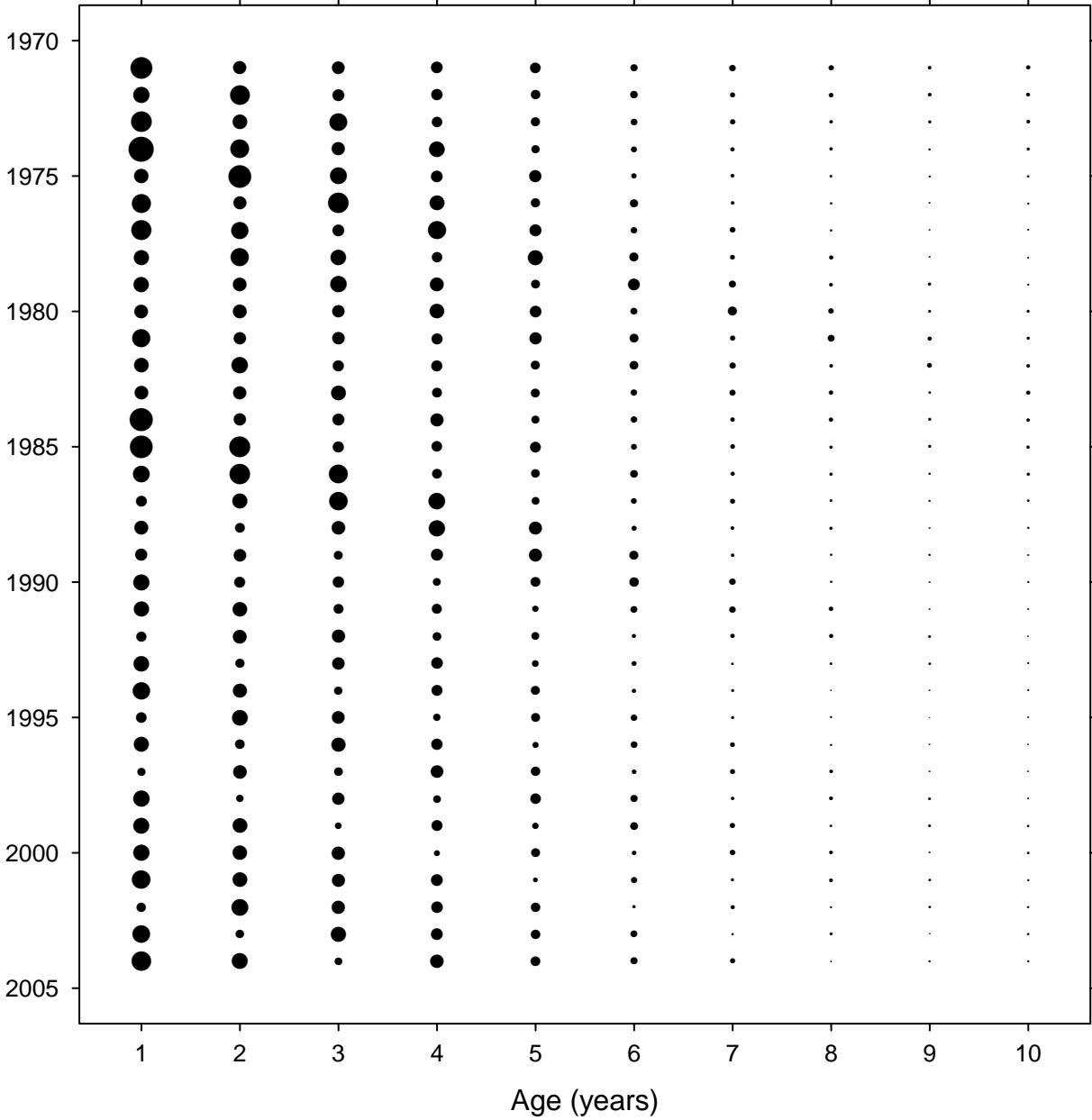
Individuals (million)

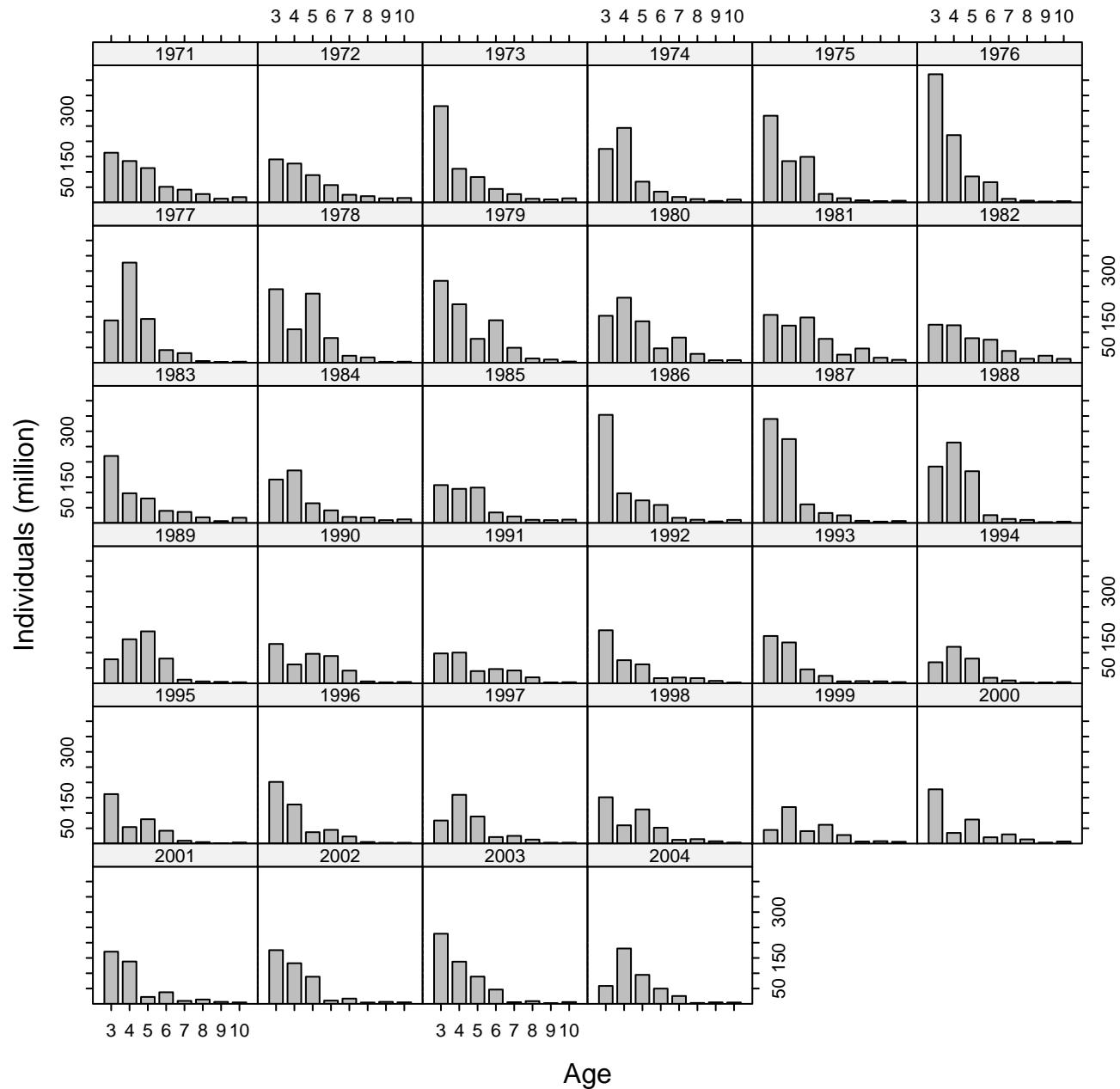


Cohorts

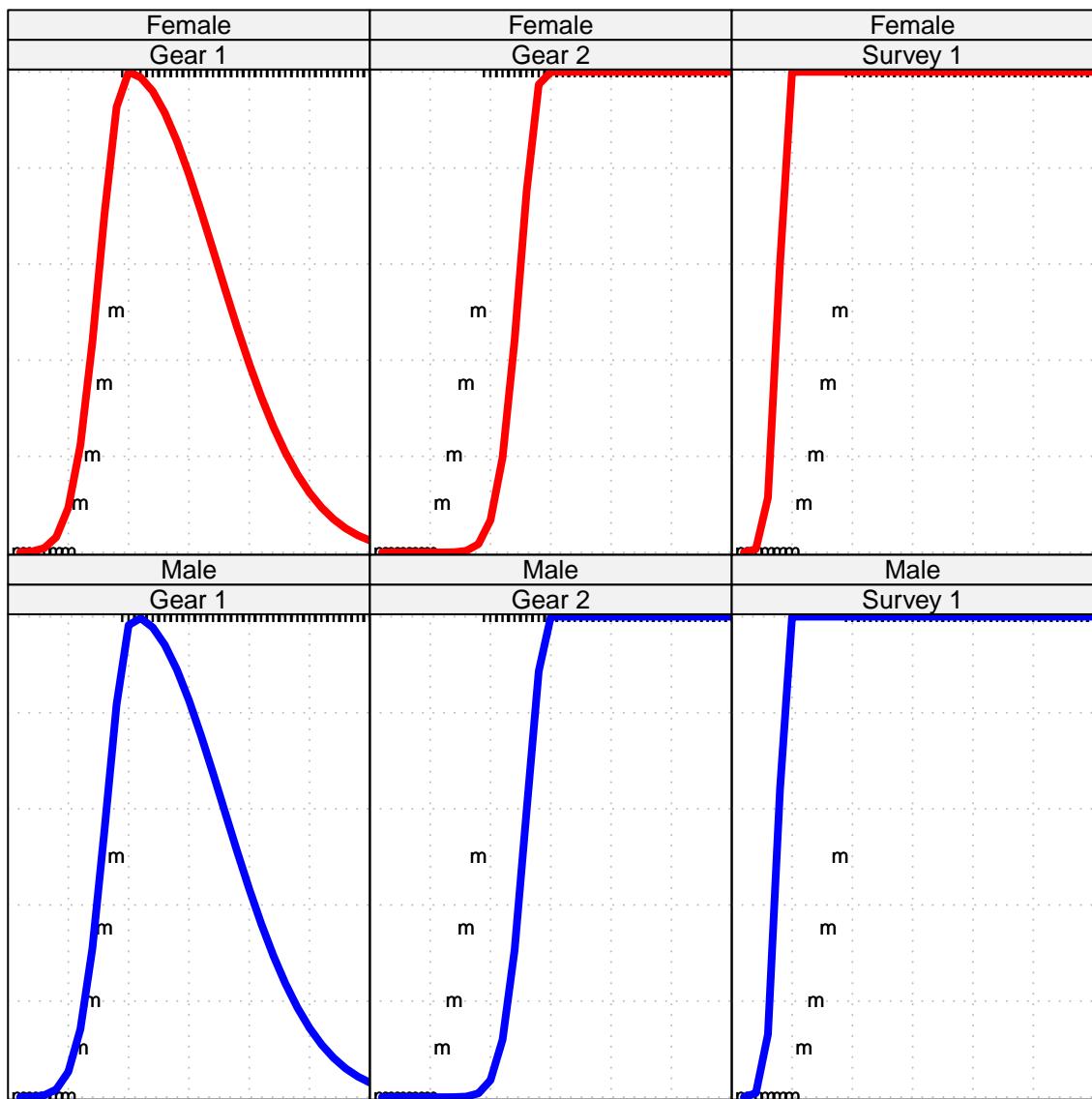
One-year-olds (million)







5 10 15 20 25



Female
Gear 1

Female
Gear 2

Female
Survey 1

Male
Gear 1

Male
Gear 2

Male
Survey 1

Selectivity and maturity

Age

5 10 15 20 25

5 10 15 20 25

0.8
0.6
0.4
0.2

