

cod_1

Model years: 1977-2021

Projection years: none

Number of fleets: 1

Fleet Age Comp Models: Dirichlet (pool0)

Number of indices: 1

Index Age Comp Models: Dirichlet (pool0)

Recruitment model: Random about mean

No Environmental covariates.

Number of Selectivity blocks: 2

Selectivity Block Types: NA, NA

Fleet 1 Selectivity Blocks: 1

Index 1 Selectivity Blocks: 2

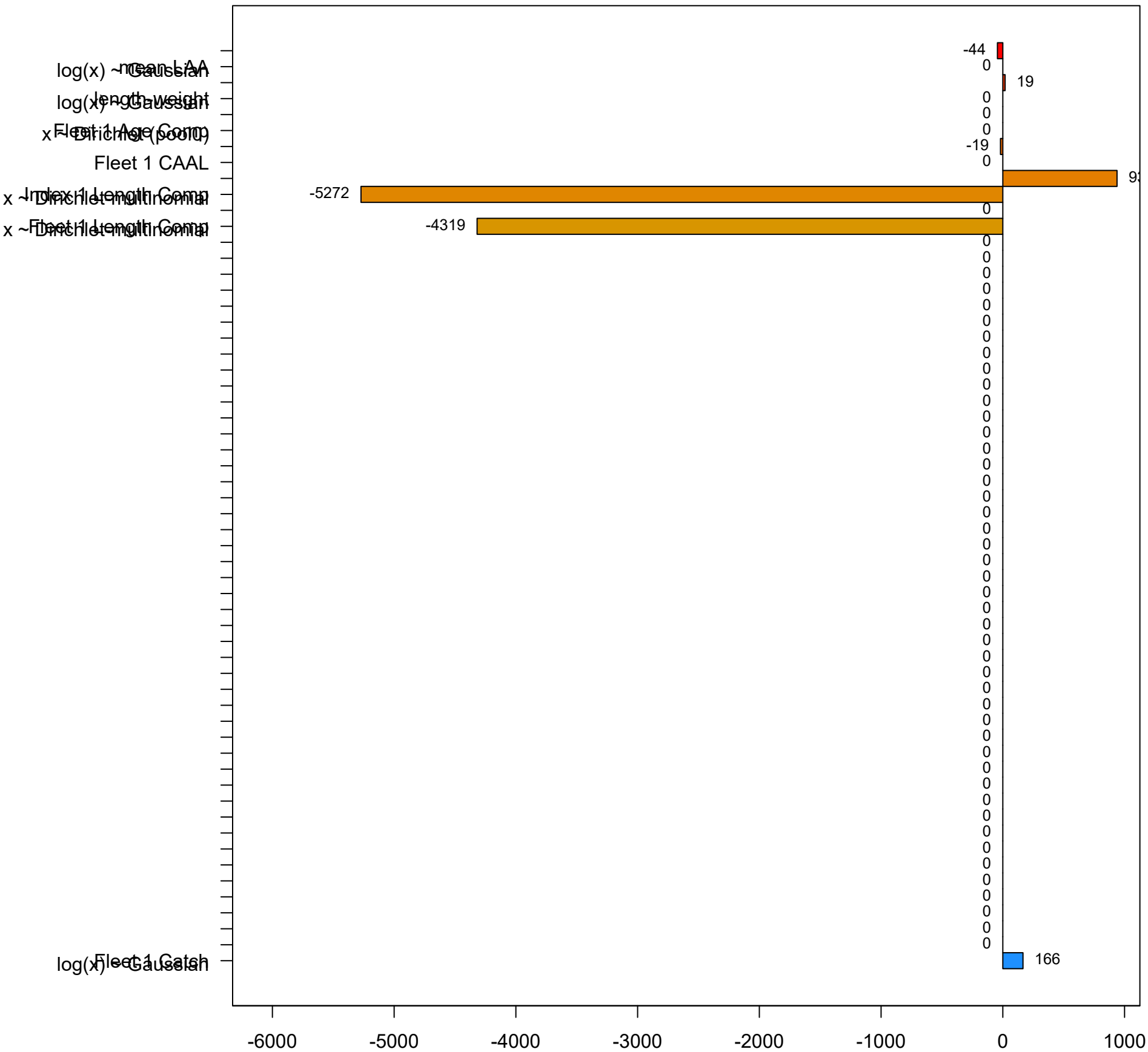
Run date: 2022-12-29 05:28:30 PST

Run directory: C:/Users/moroncog/Documents/GitHub/AKWHAM

WHAM version: 1.0.6.9000 / local (C:\Users\moroncog\Documents\GitHub\wham)

TMB version: 1.9.1 / CRAN (R 4.2.1)

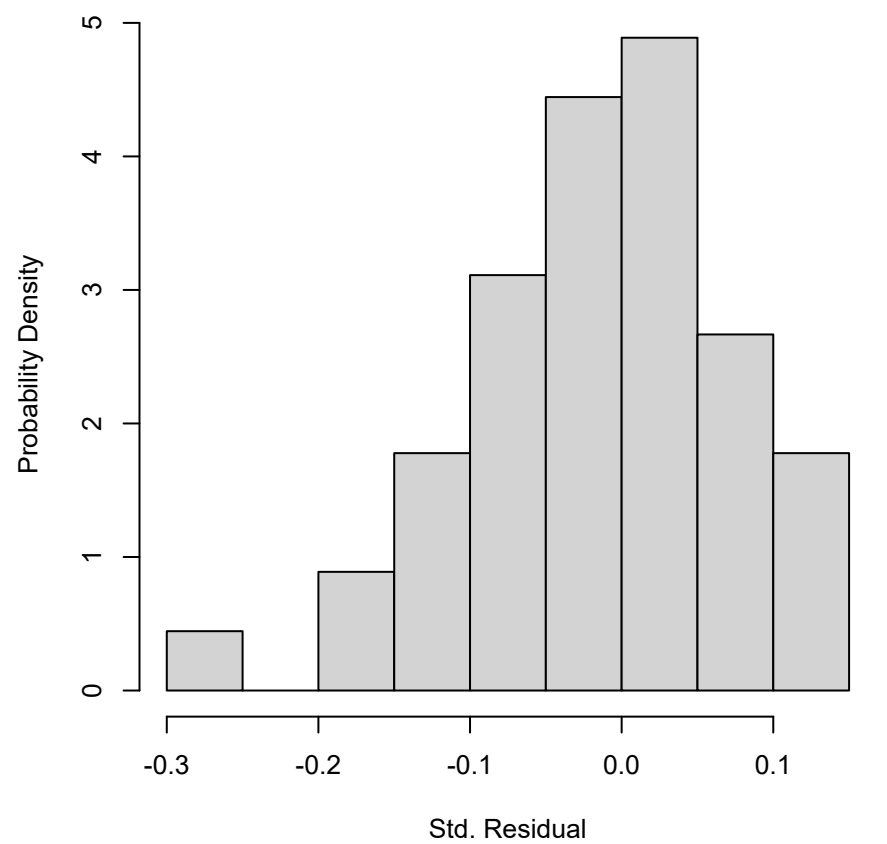
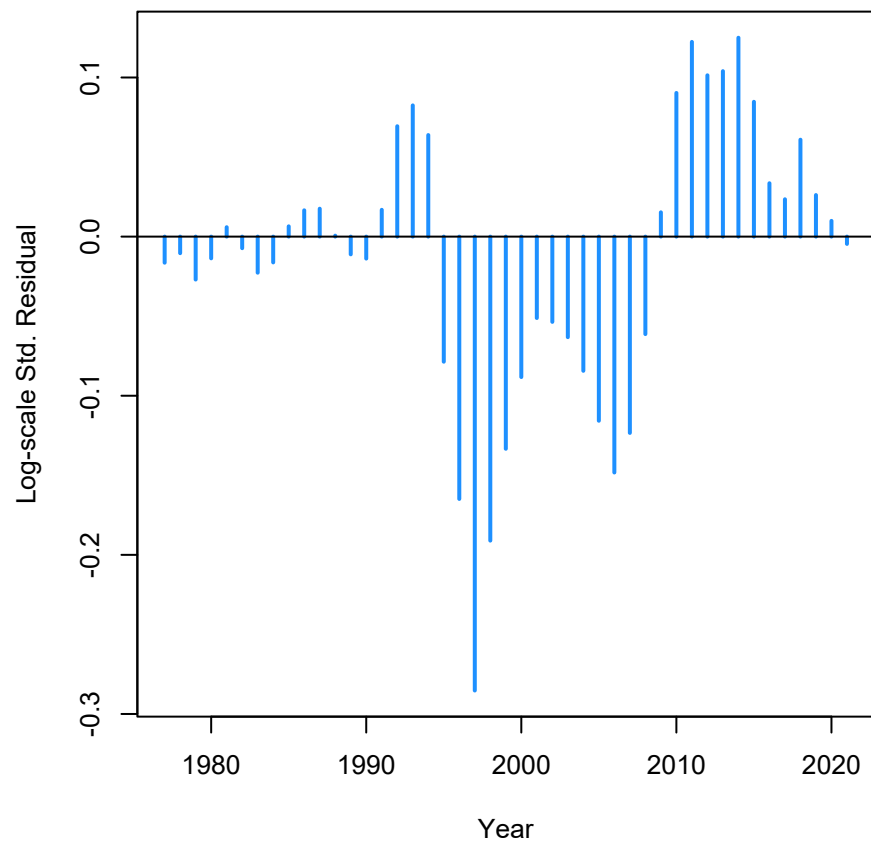
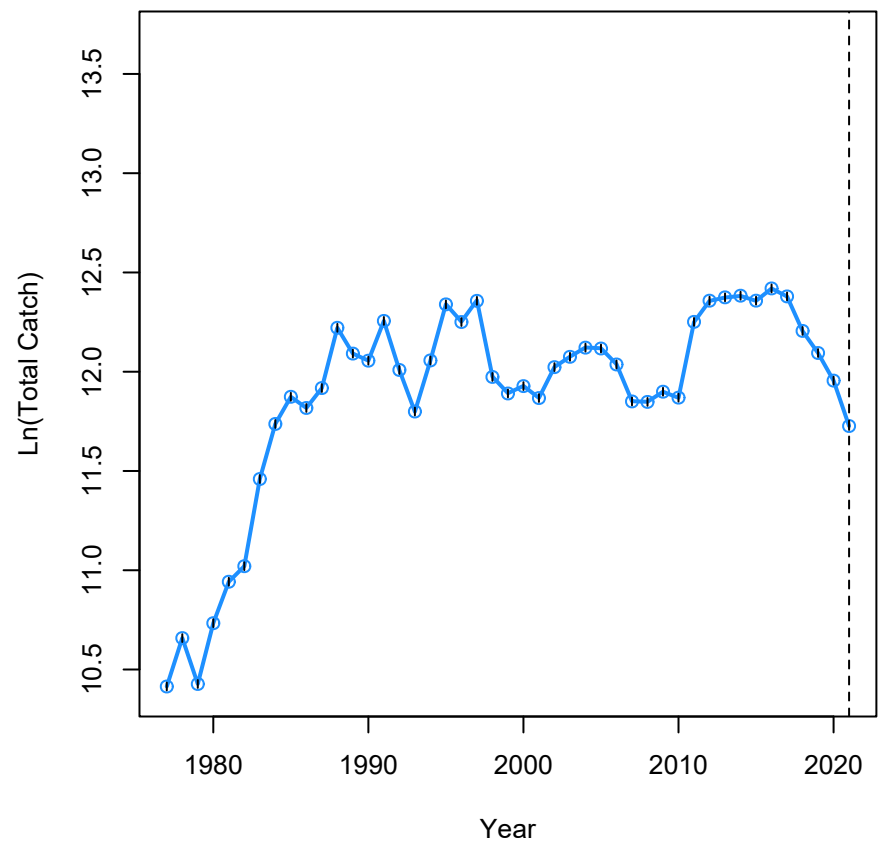
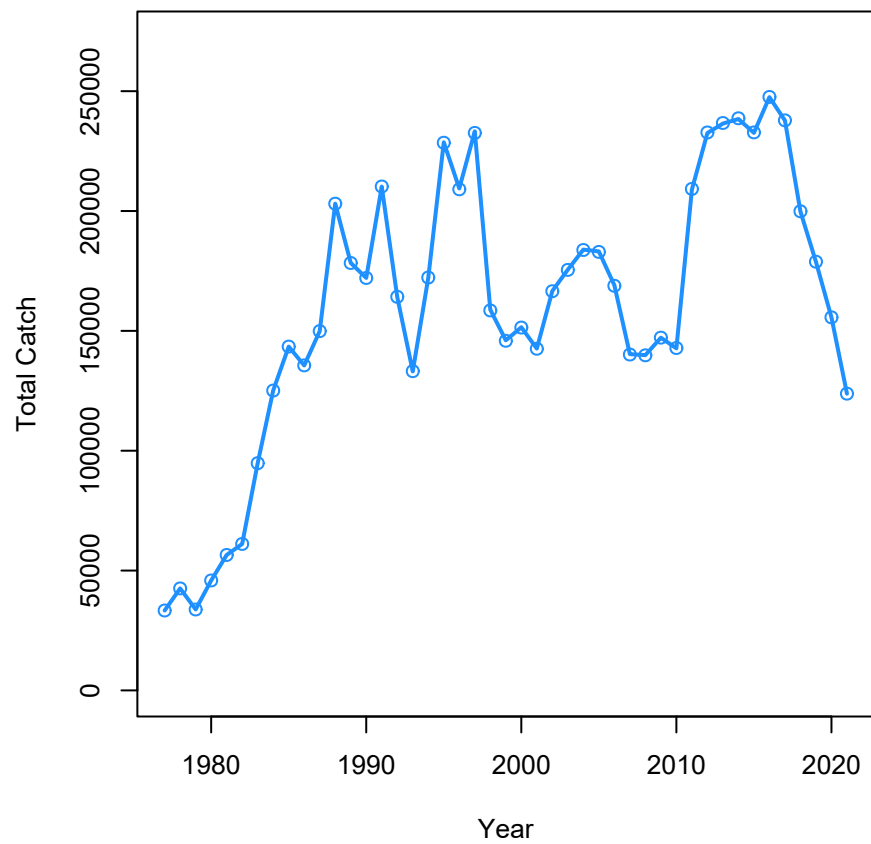
sdreport() performed, but with NAs for some variance estimates.



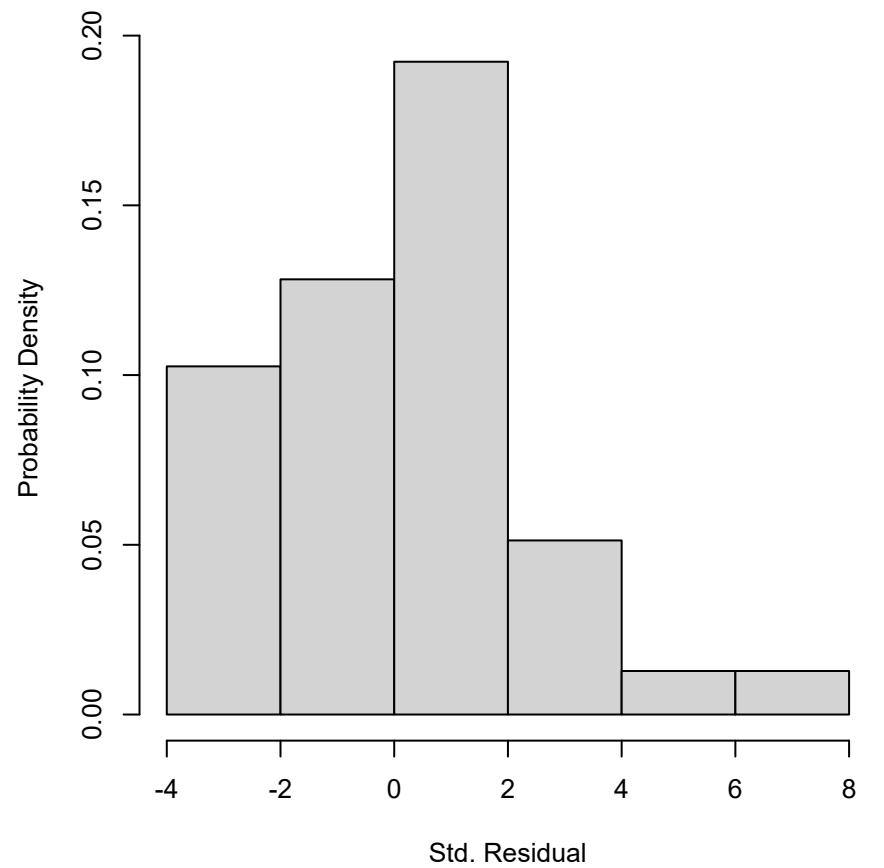
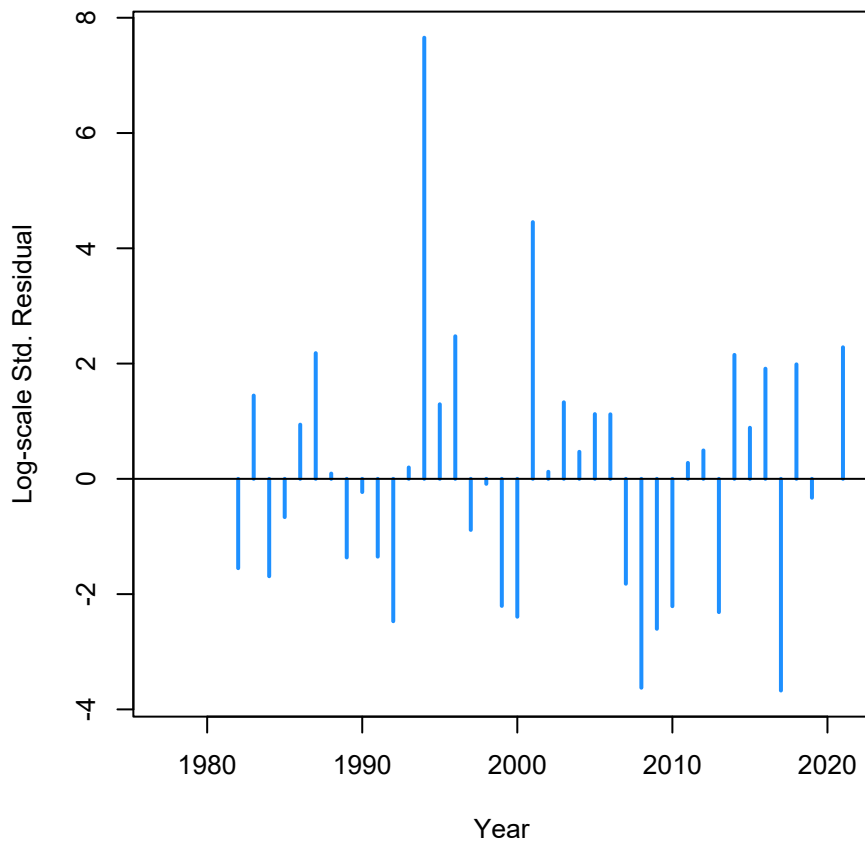
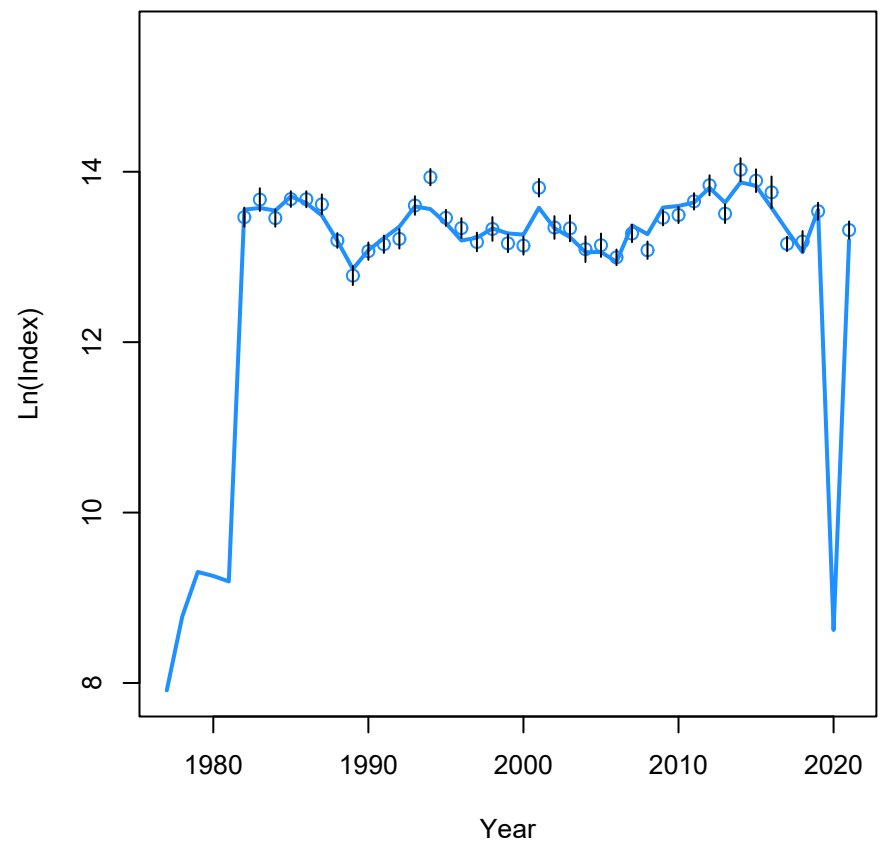
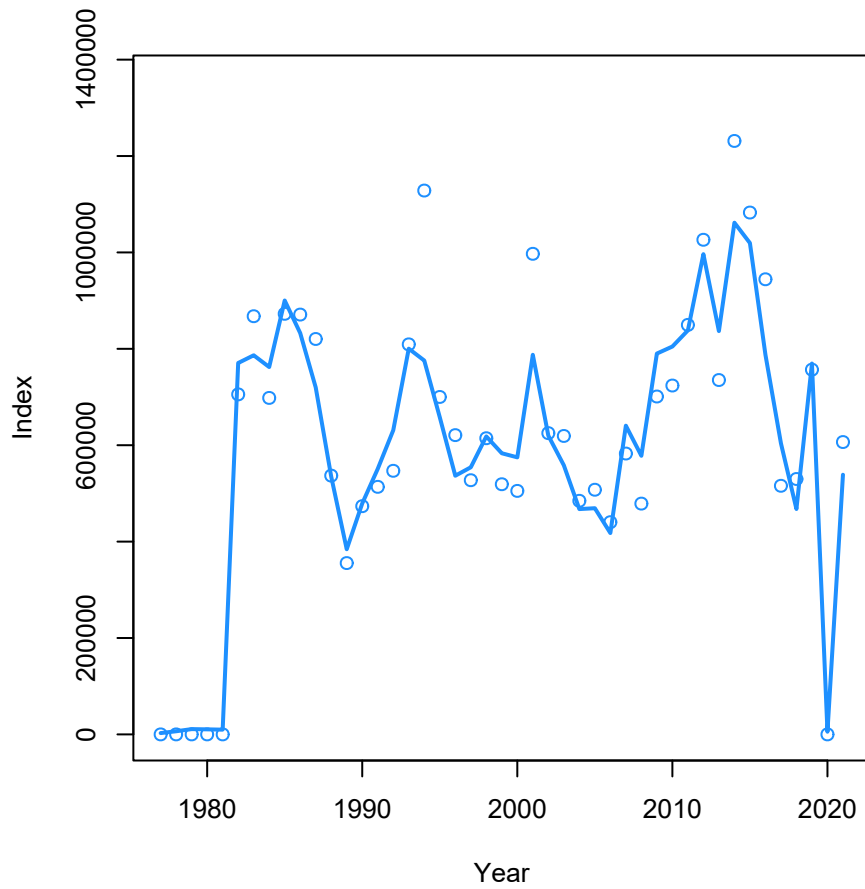
Conditional log-likelihood components

Model: cod_1 2022-12-29 05:28:30

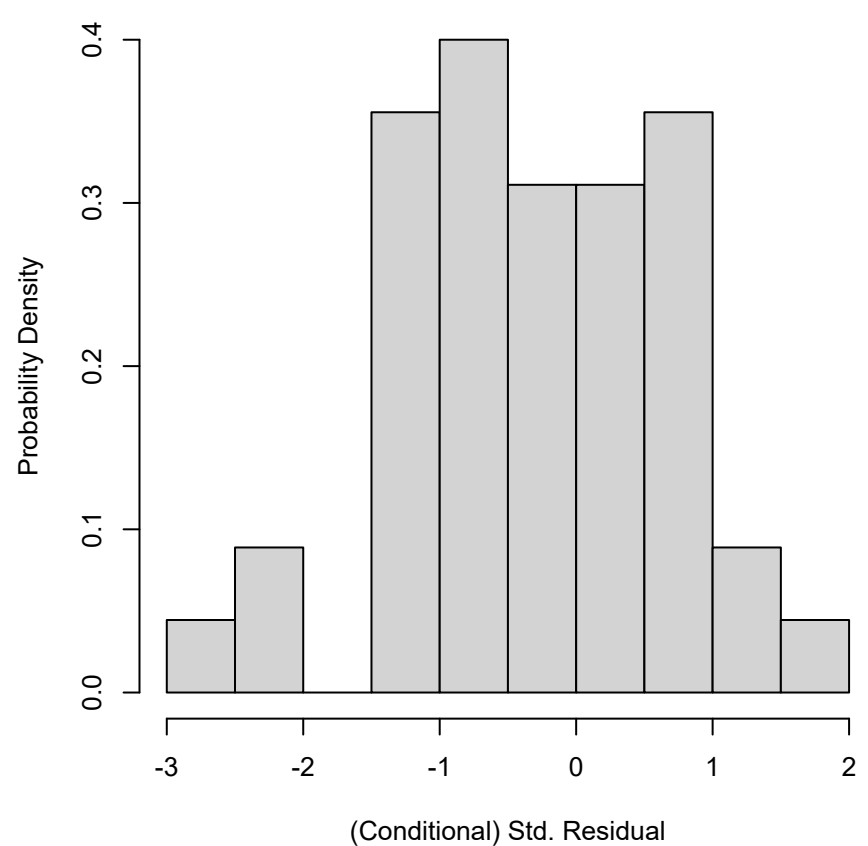
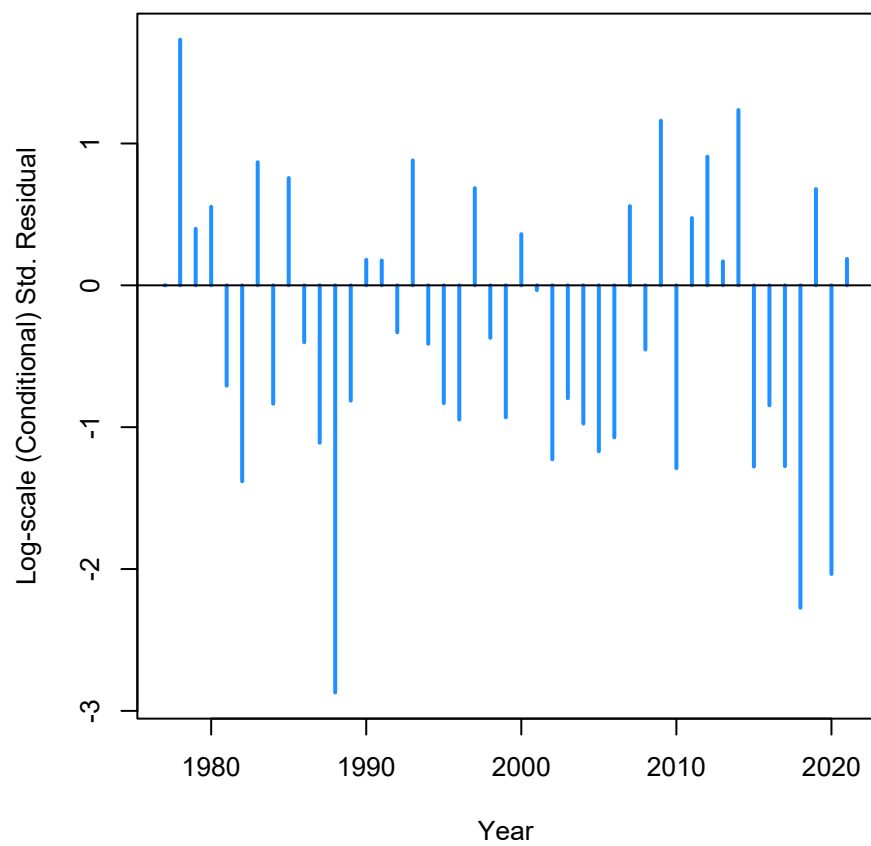
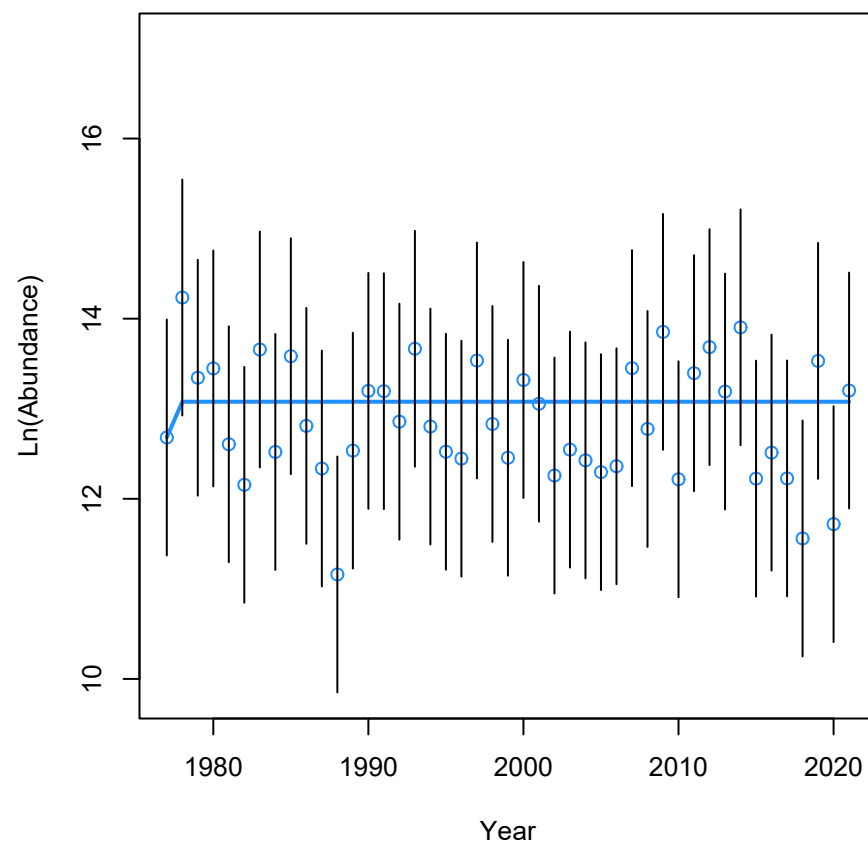
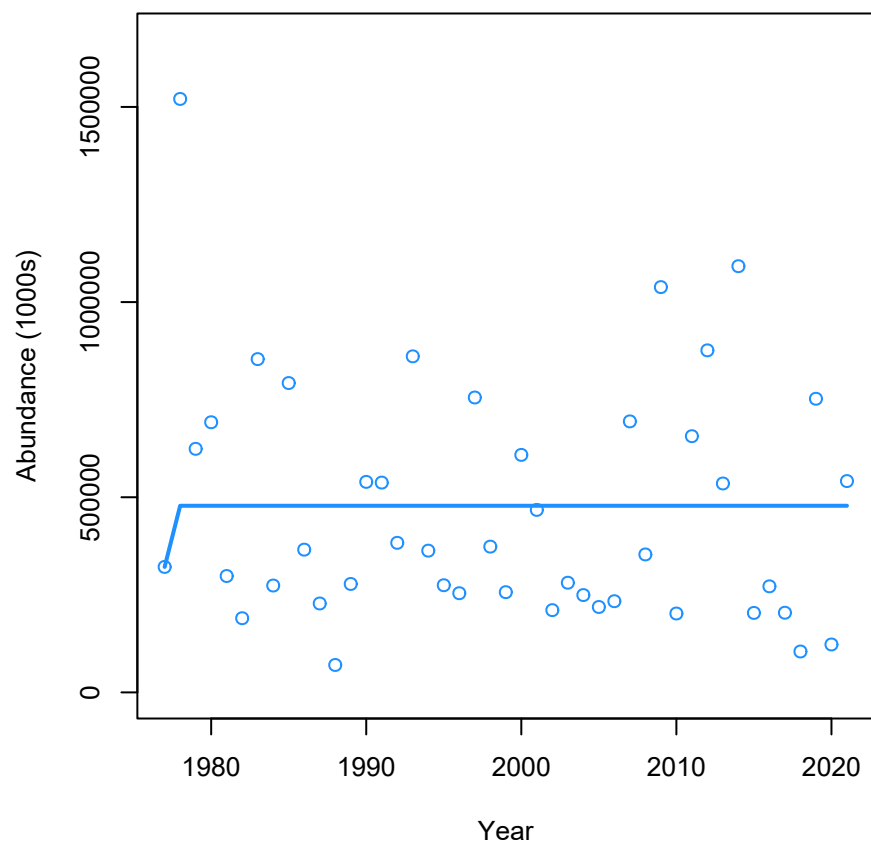
Fleet 1 Catch



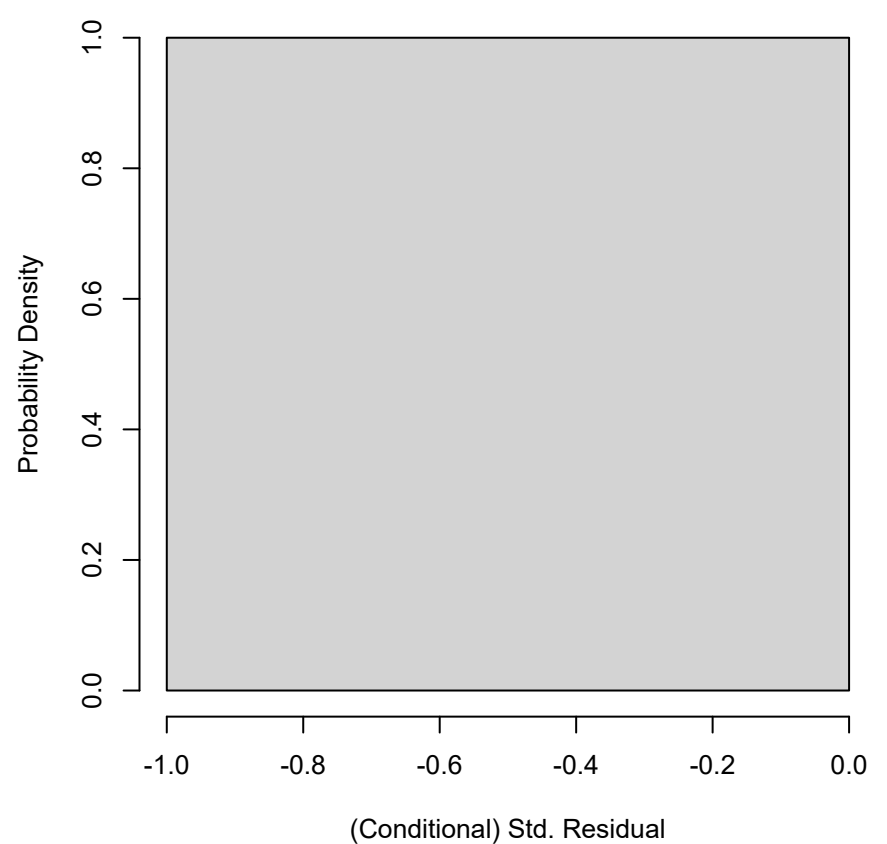
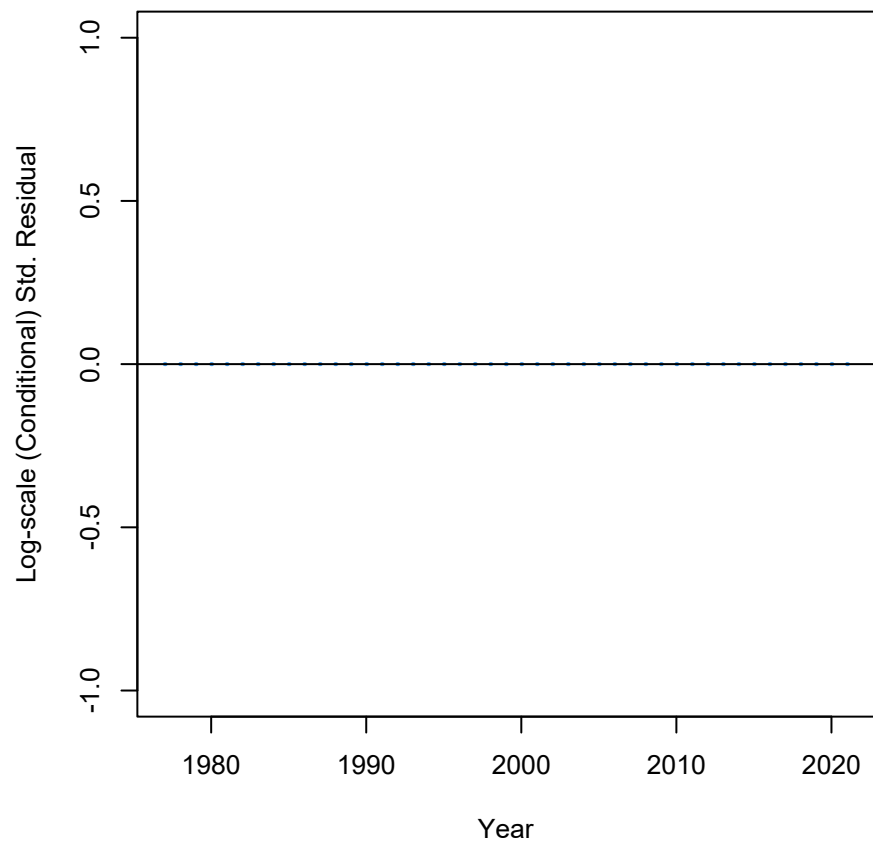
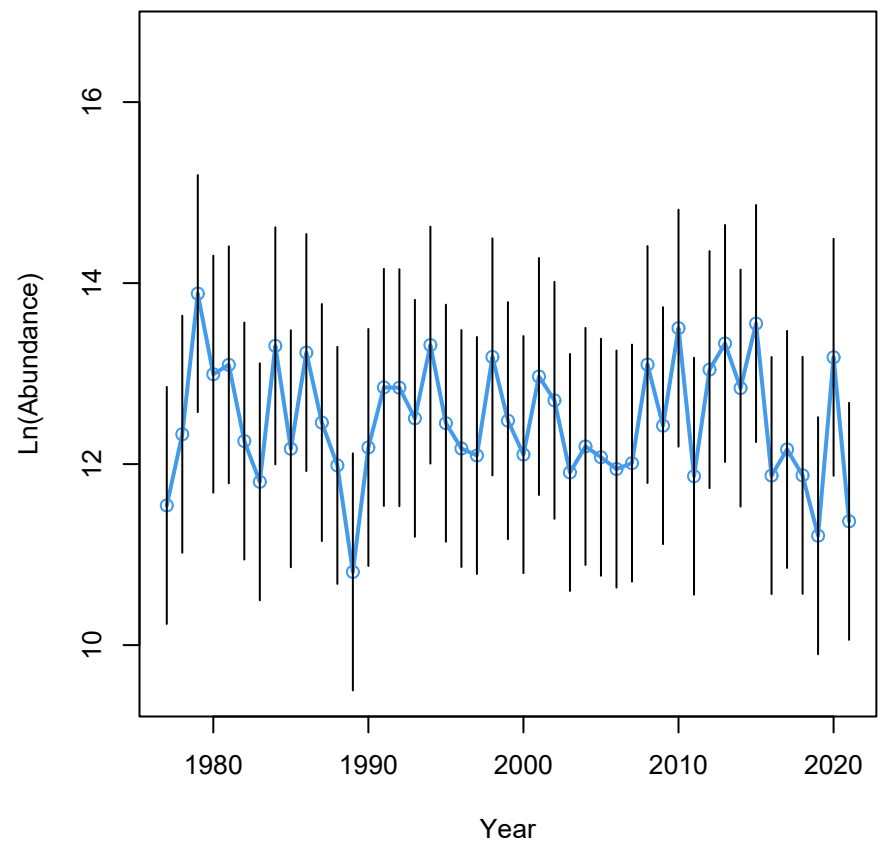
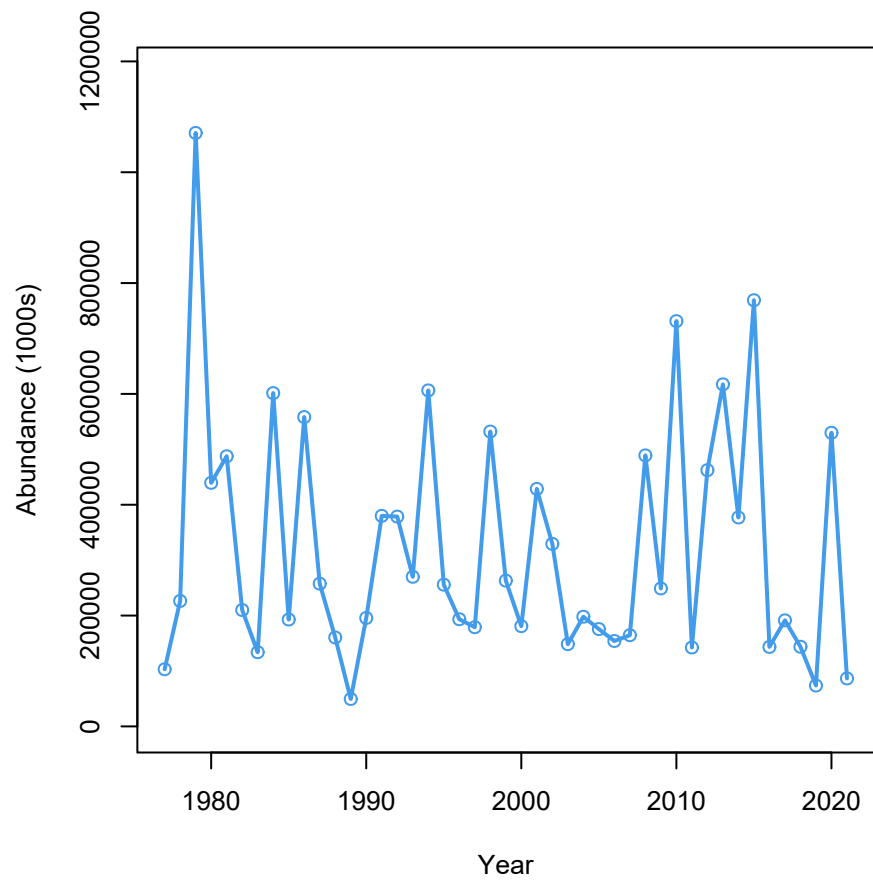
Index 1



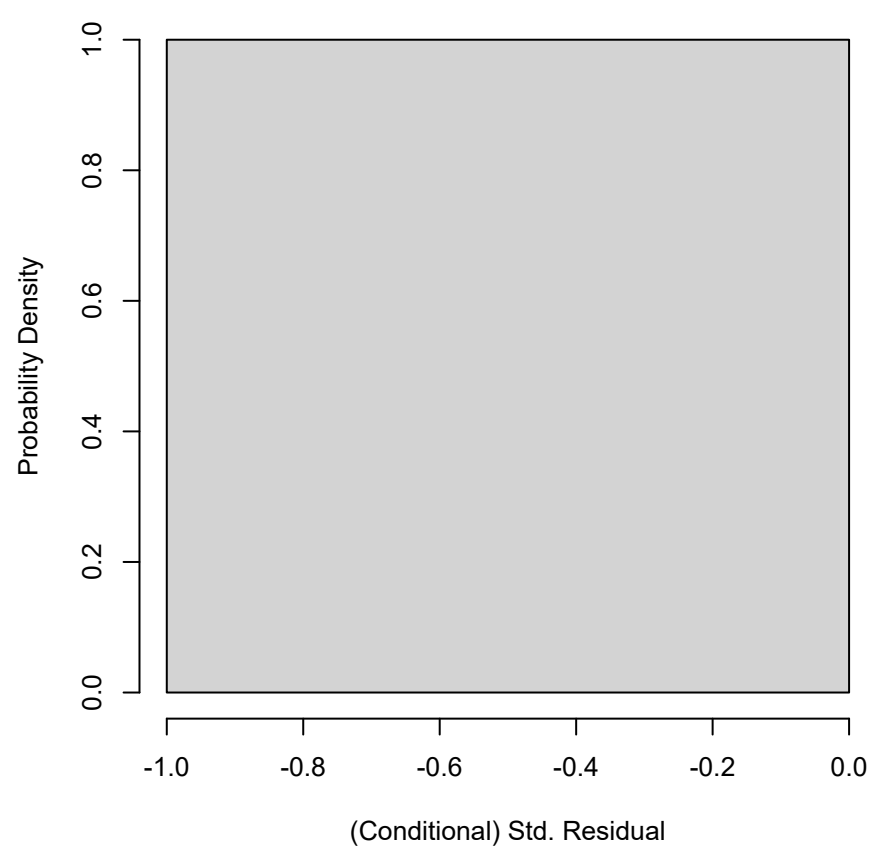
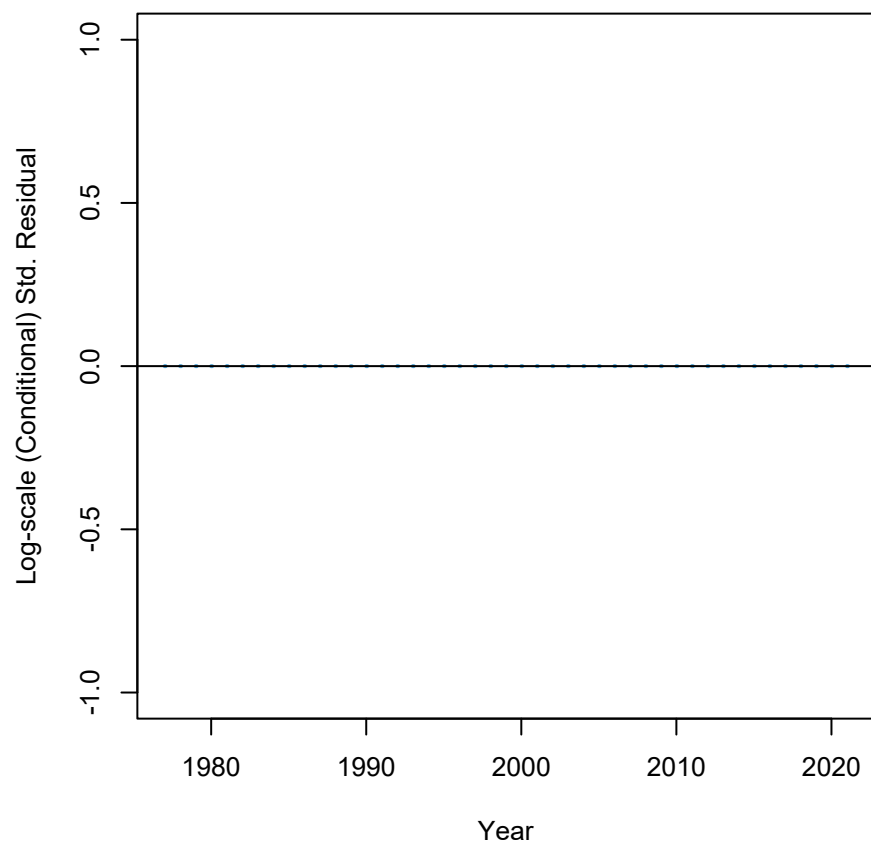
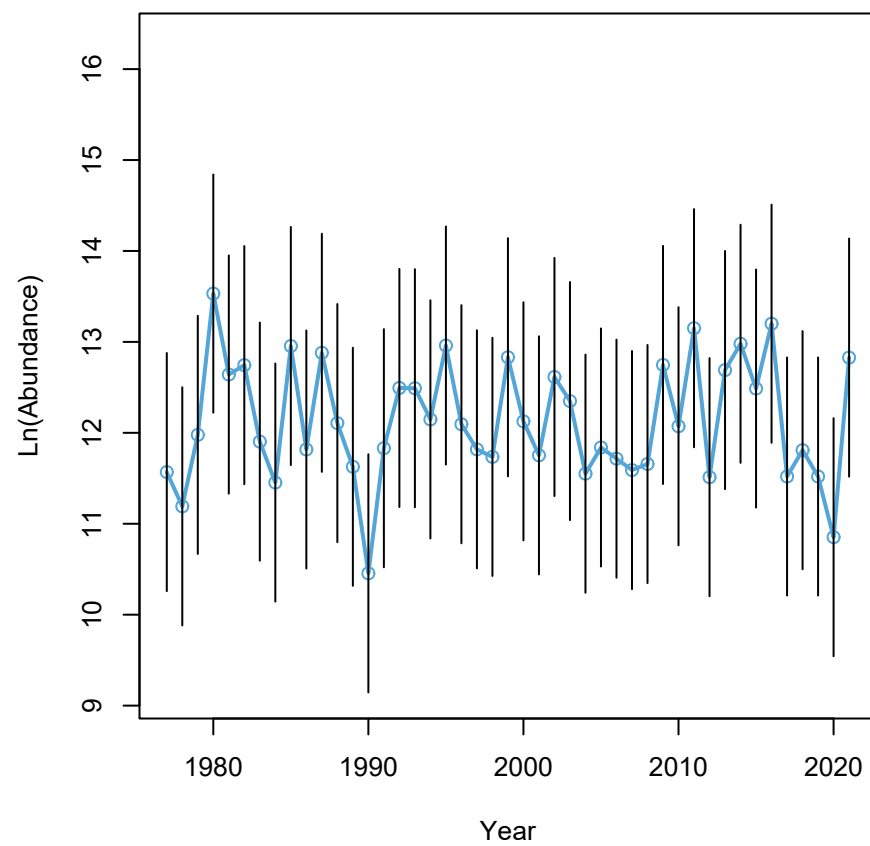
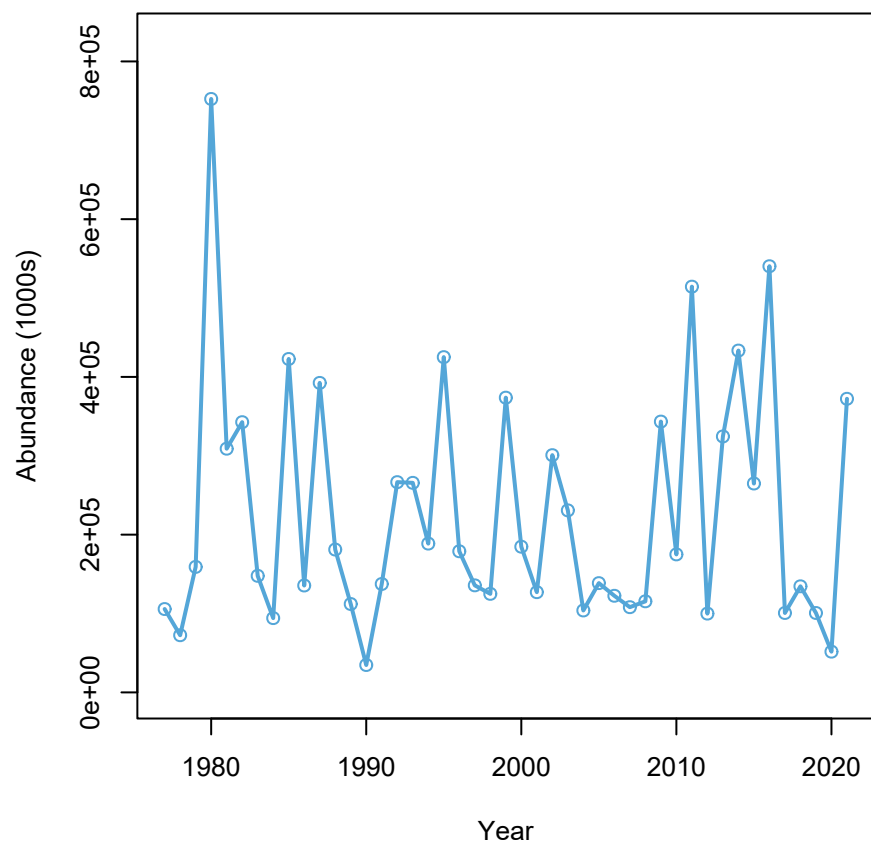
Conditional Expected and Posterior Estimates of Age 1 Abundance



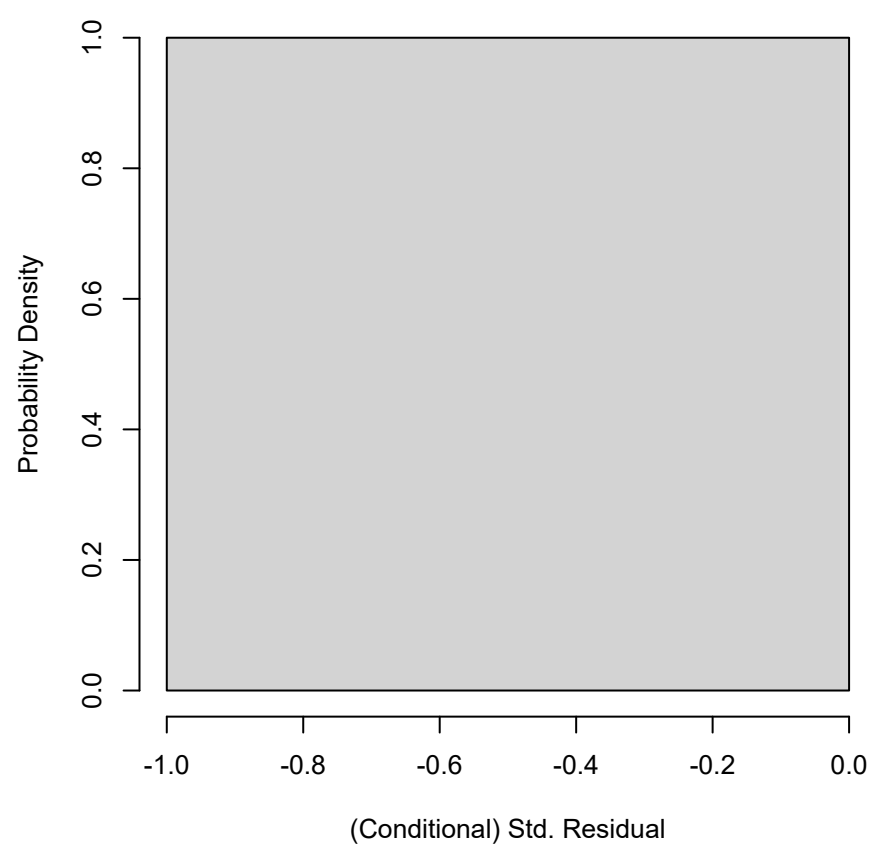
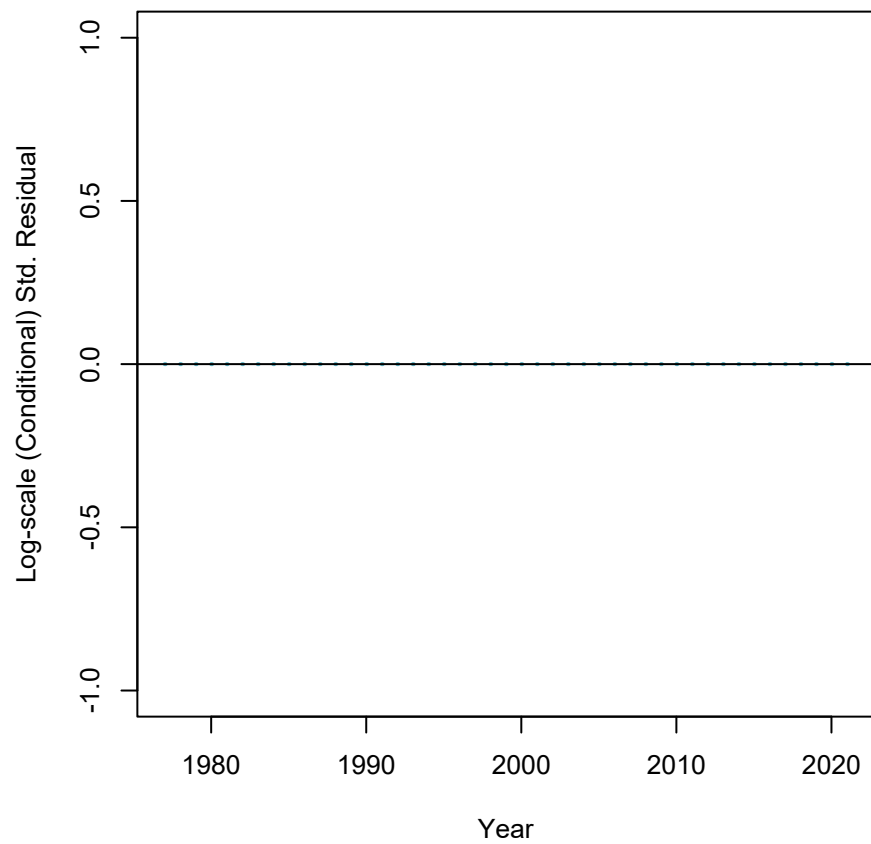
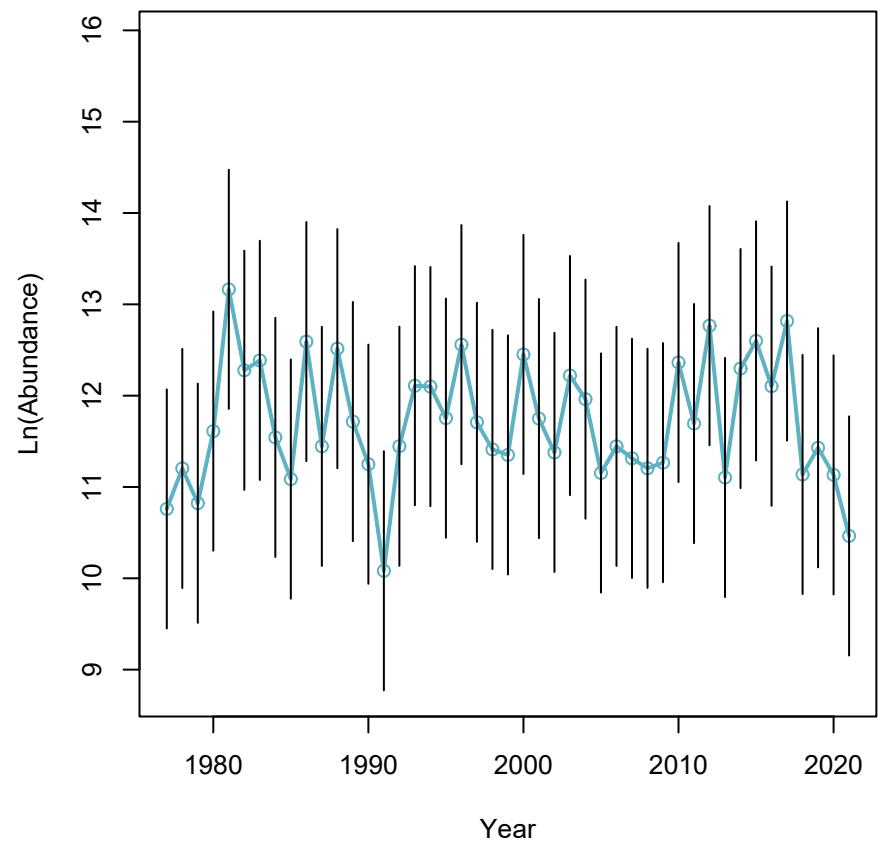
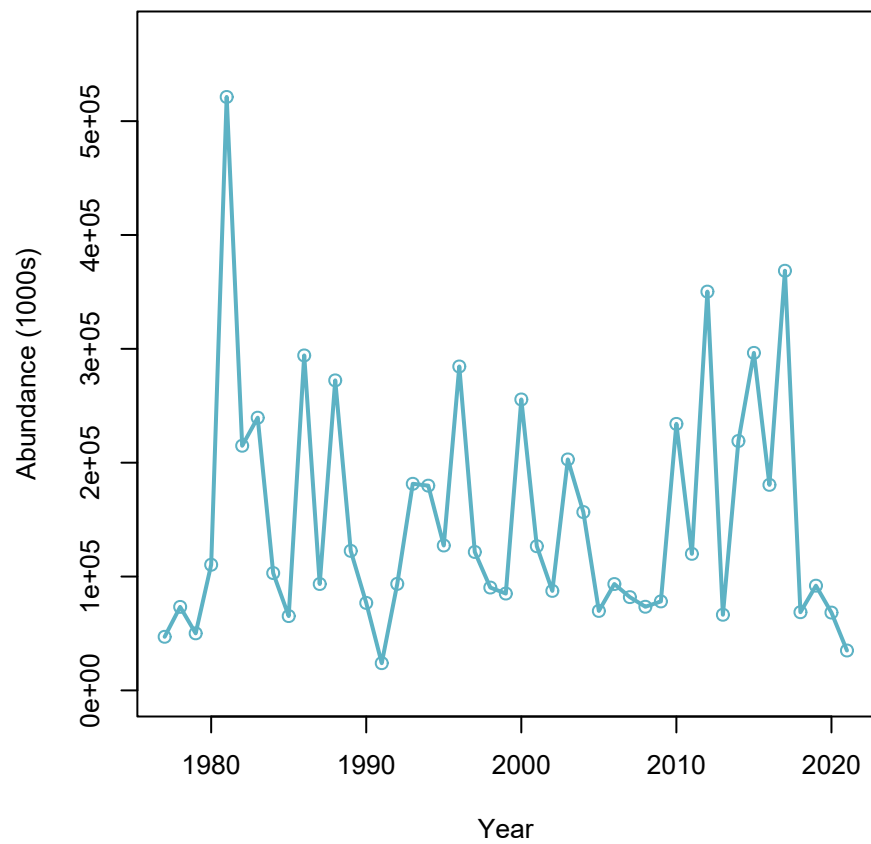
Conditional Expected and Posterior Estimates of Age 2 Abundance



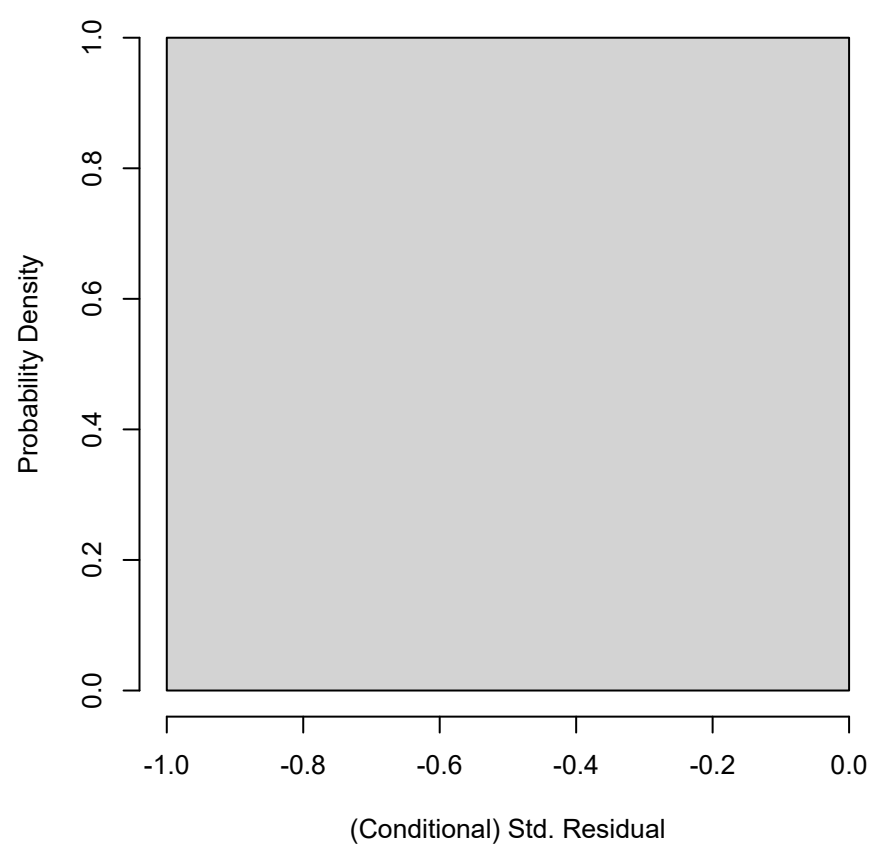
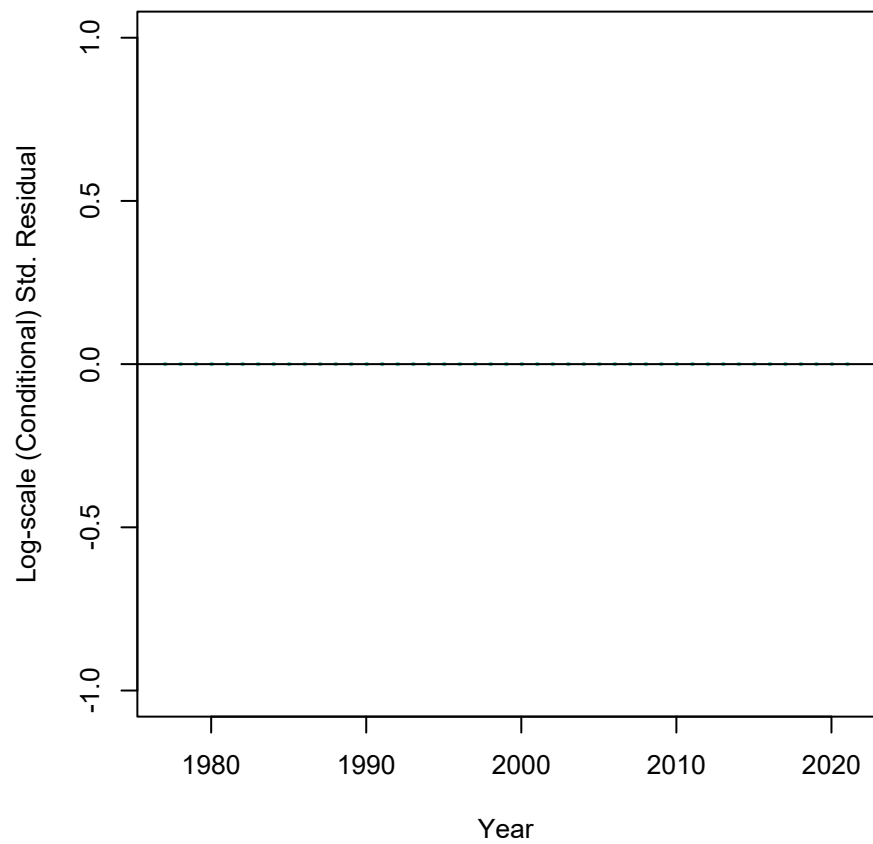
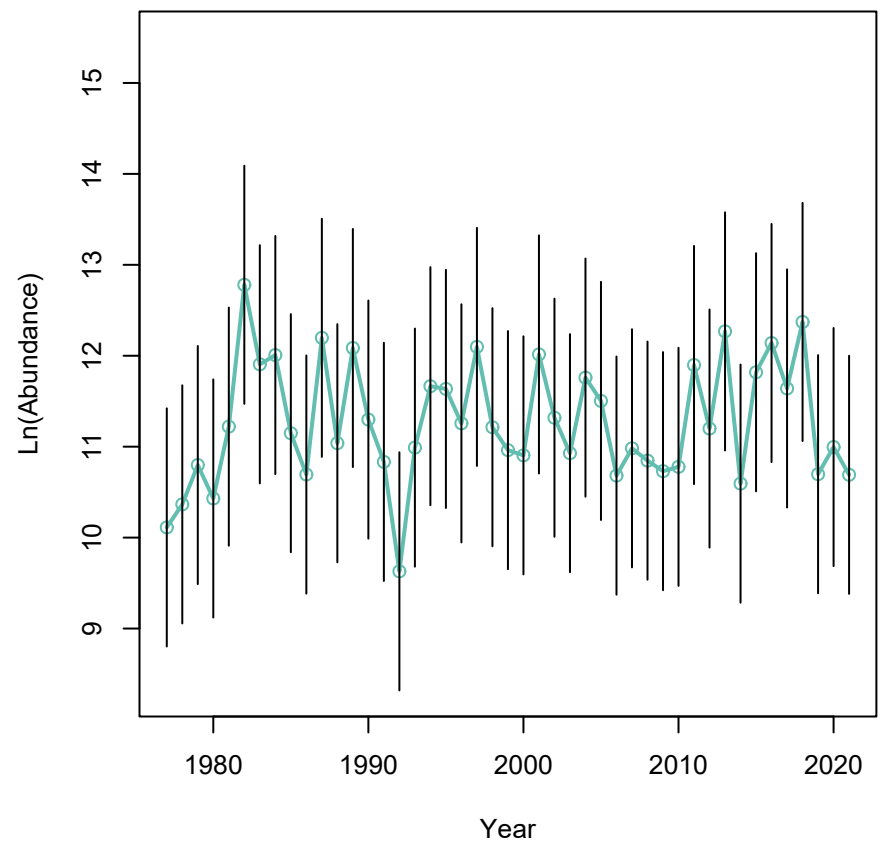
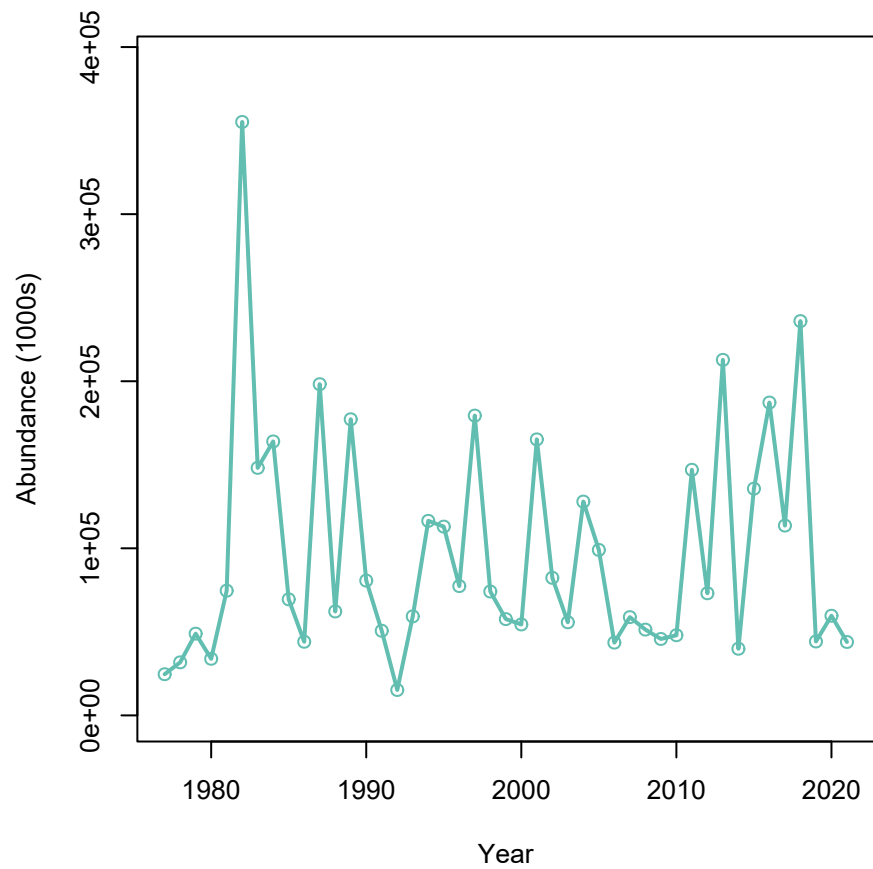
Conditional Expected and Posterior Estimates of Age 3 Abundance



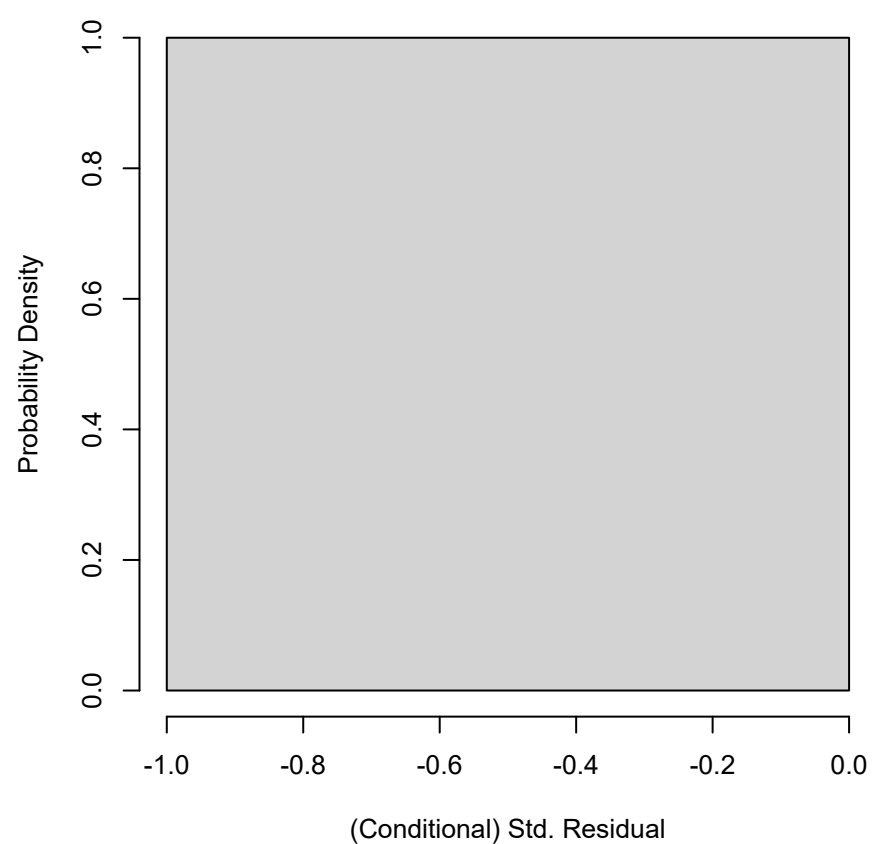
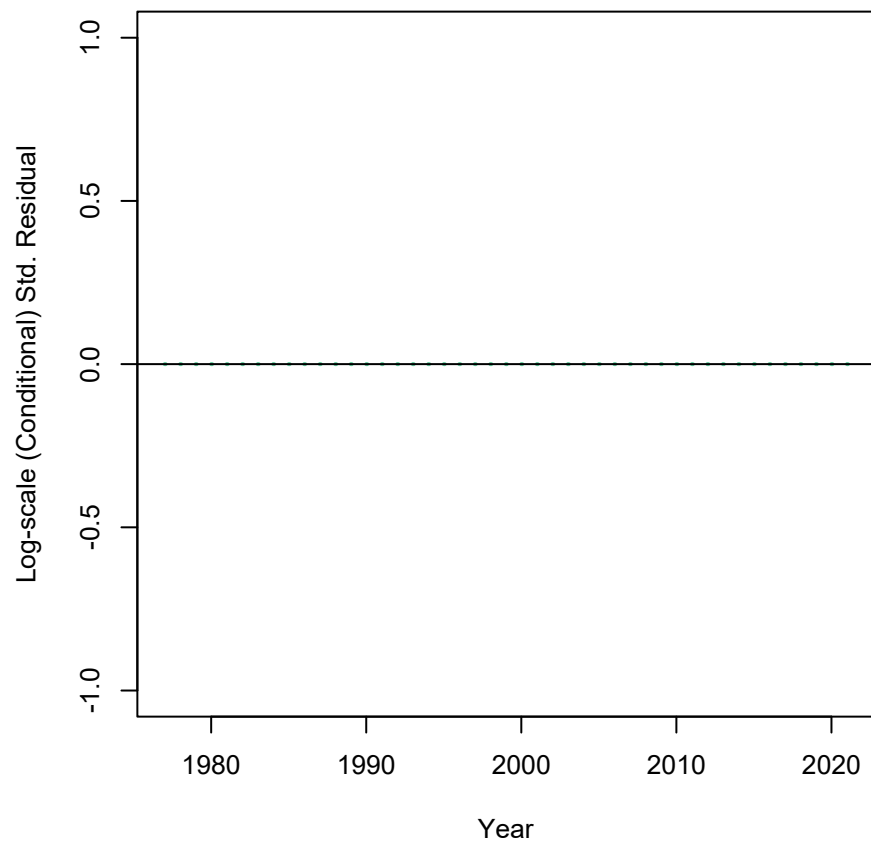
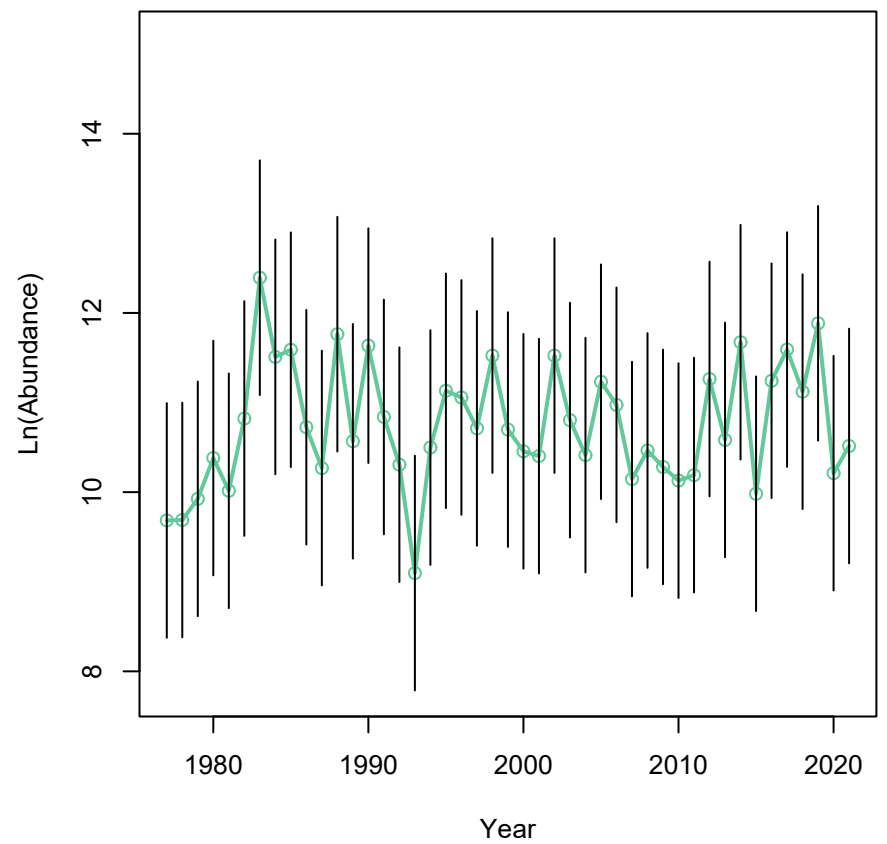
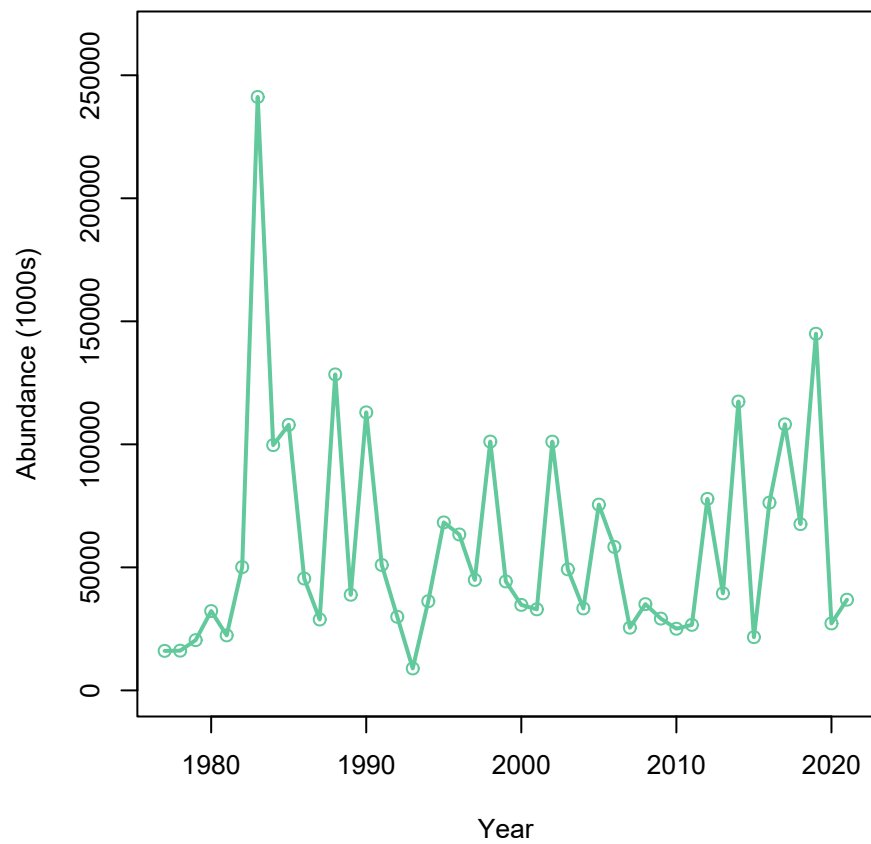
Conditional Expected and Posterior Estimates of Age 4 Abundance



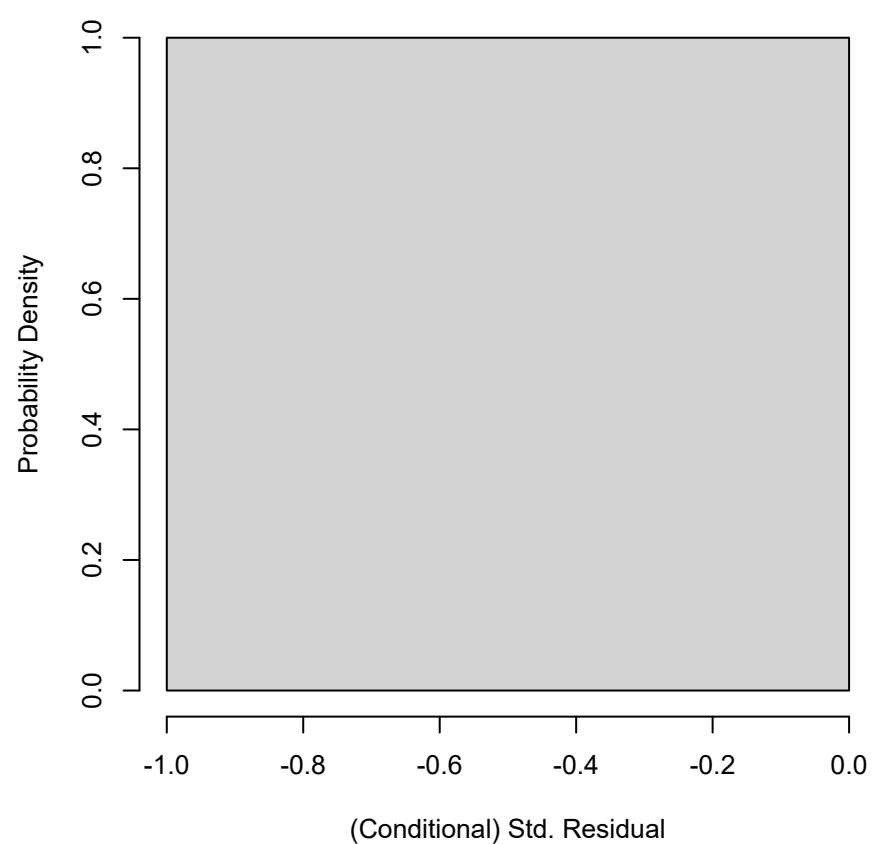
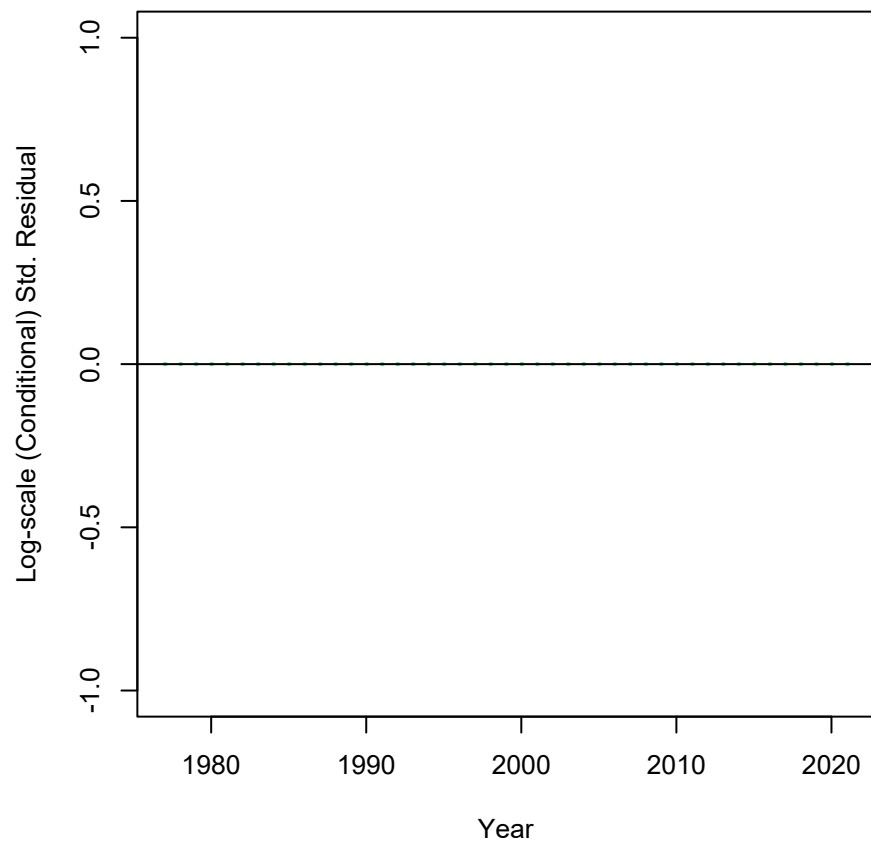
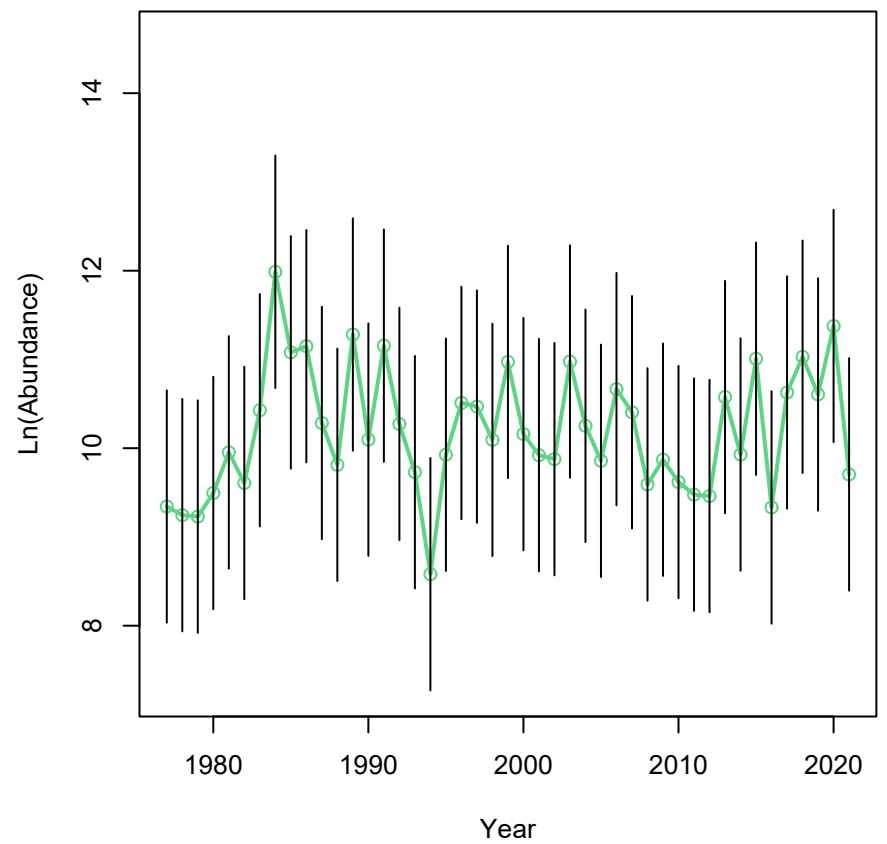
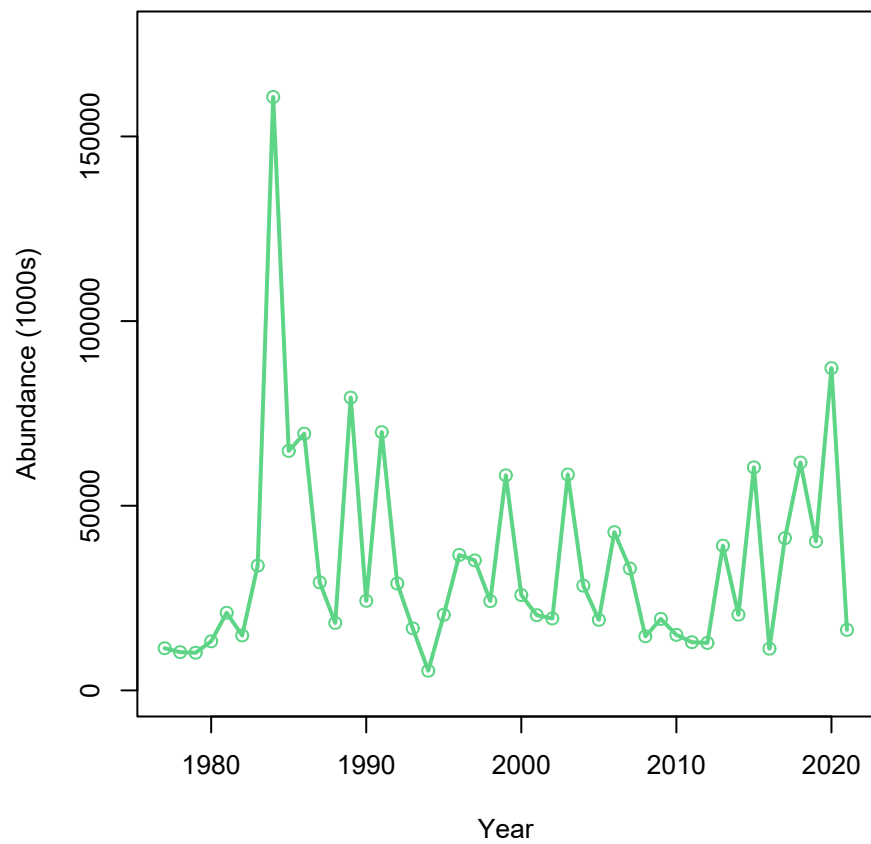
Conditional Expected and Posterior Estimates of Age 5 Abundance



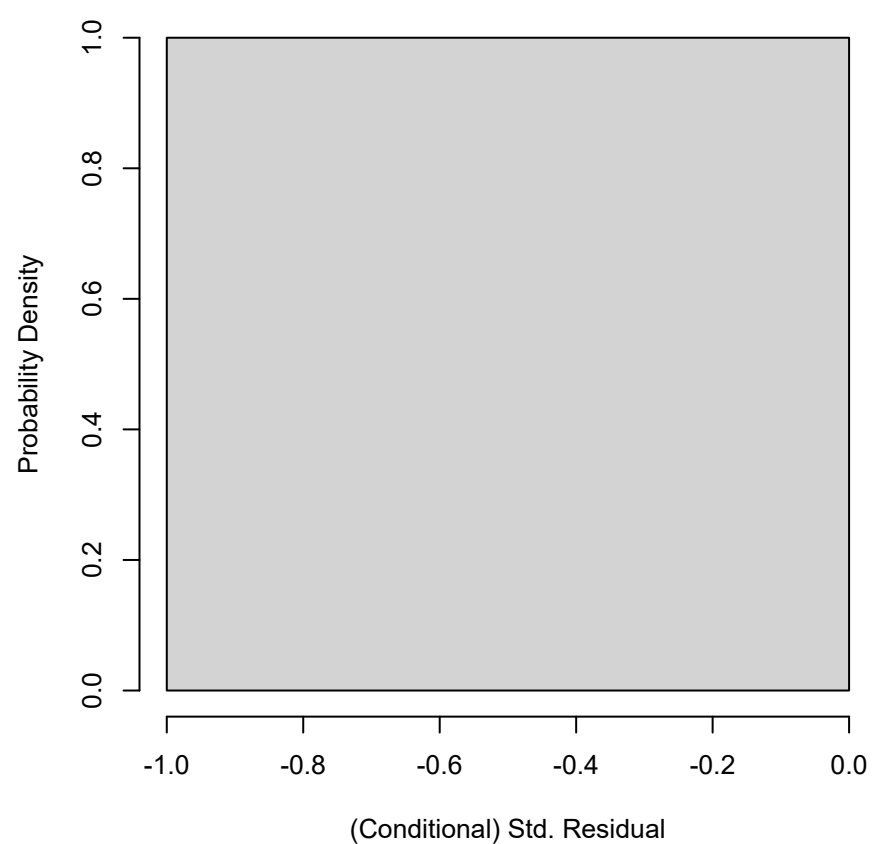
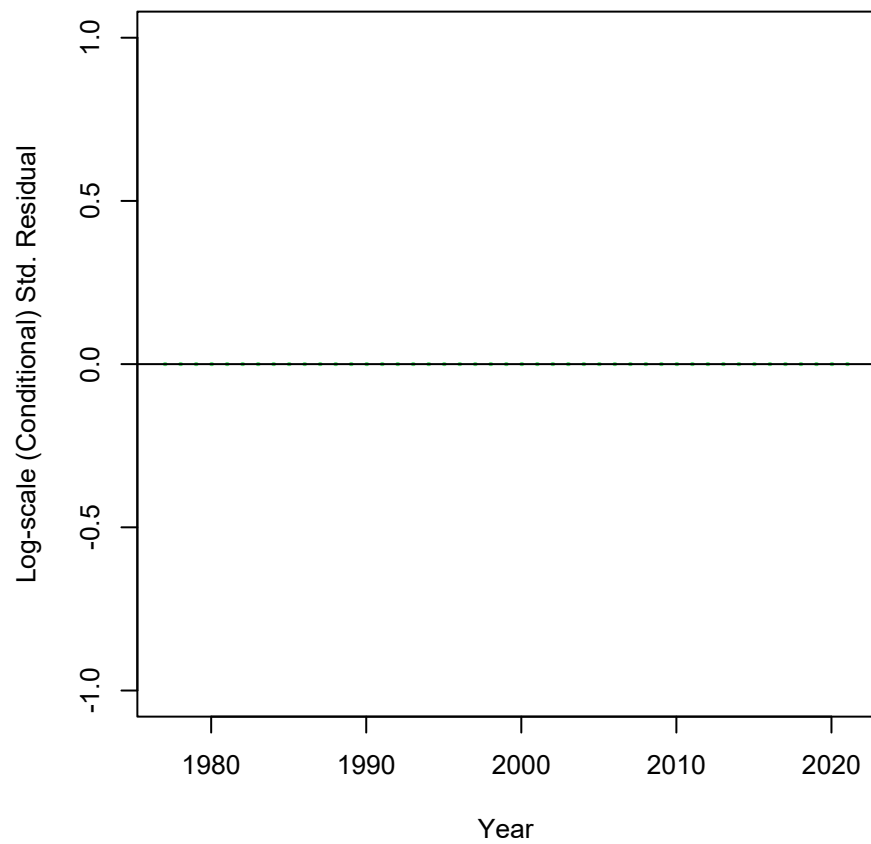
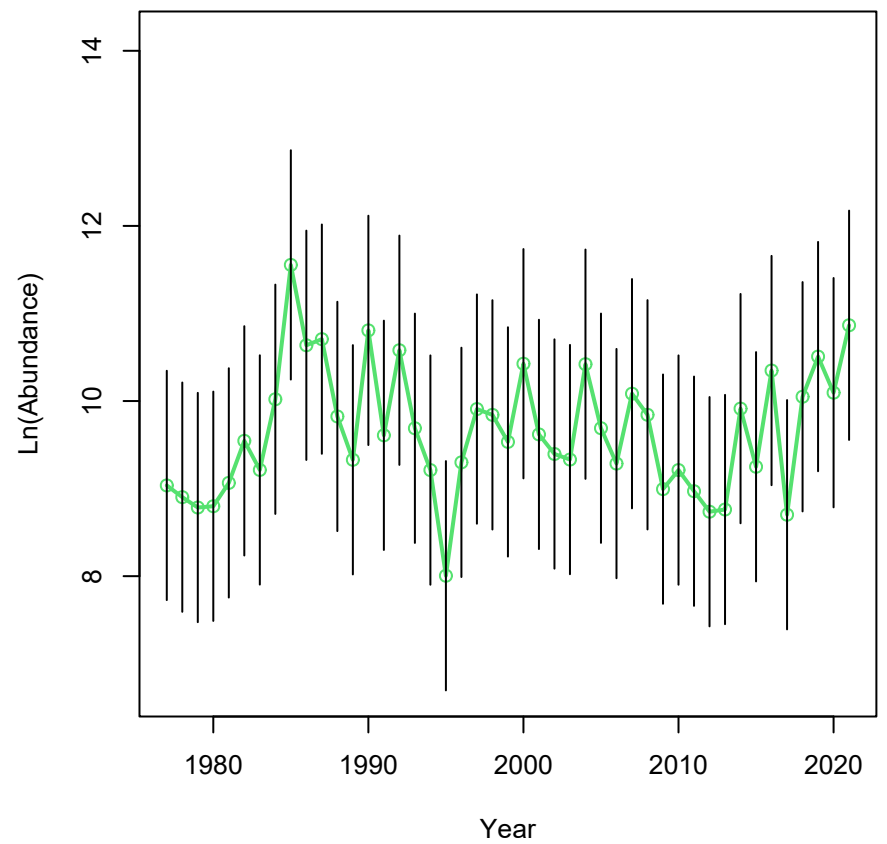
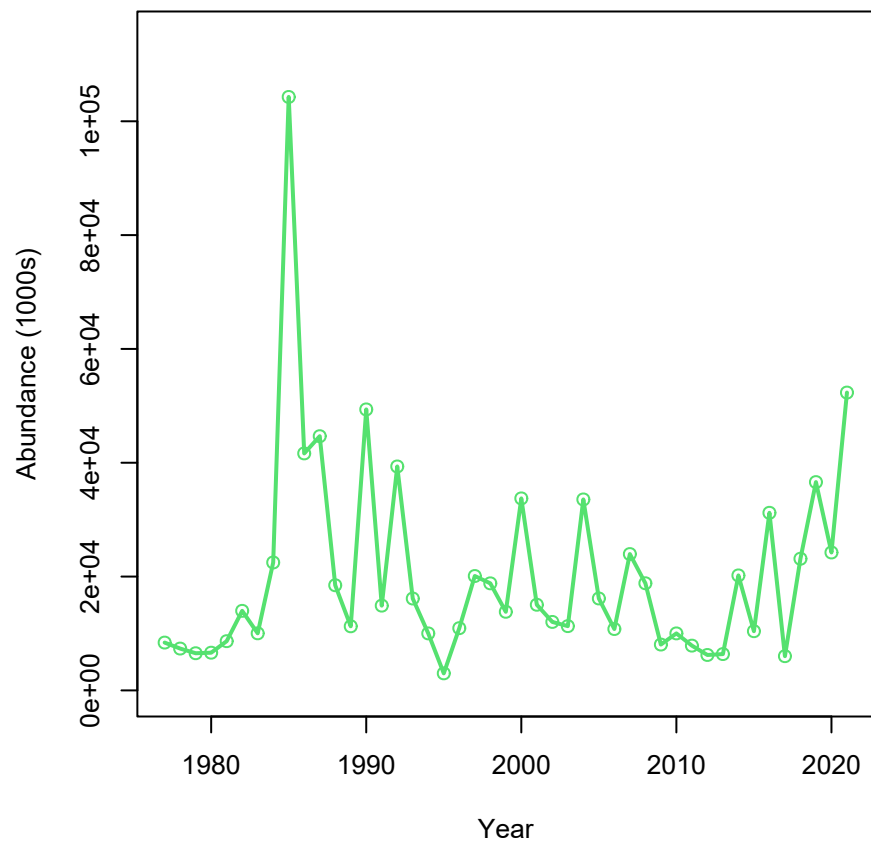
Conditional Expected and Posterior Estimates of Age 6 Abundance



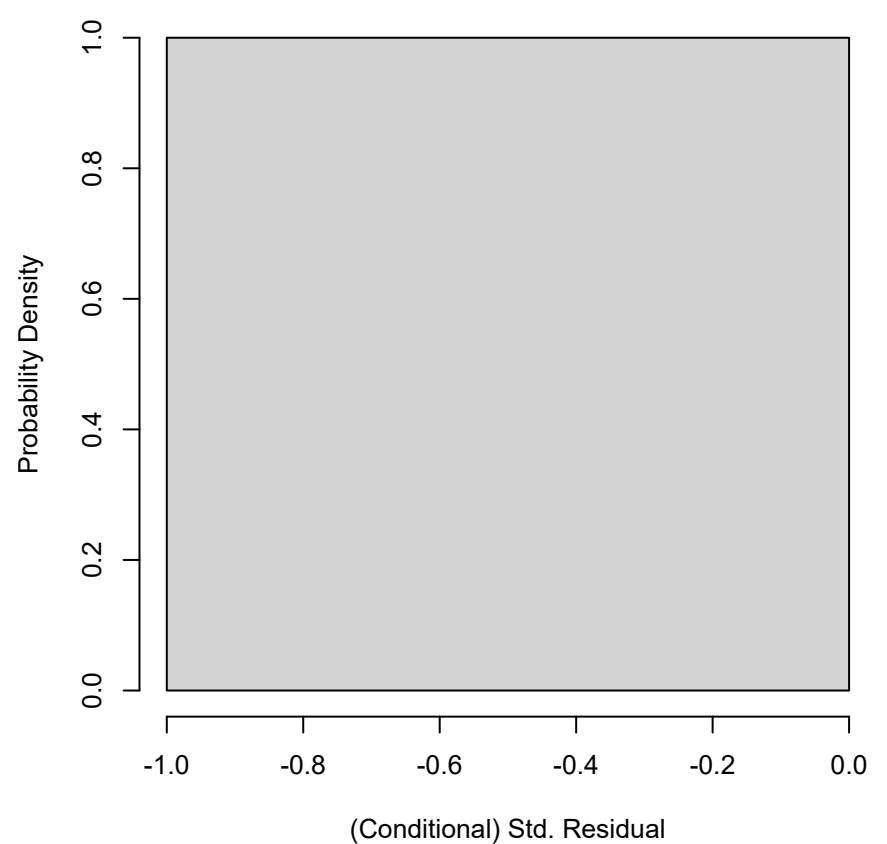
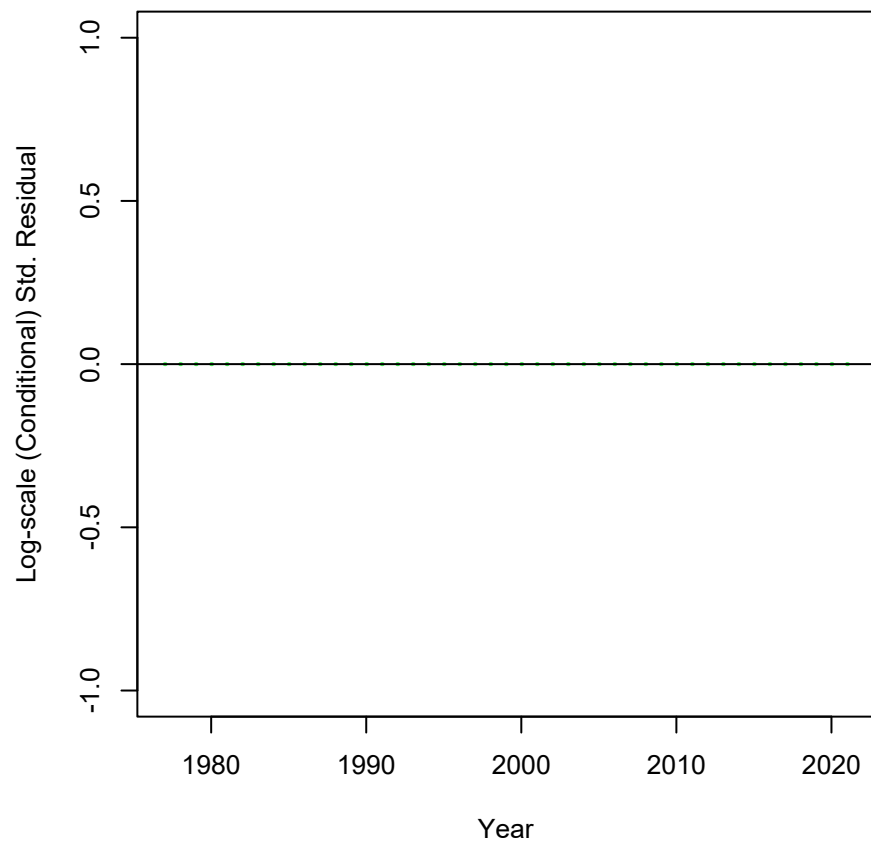
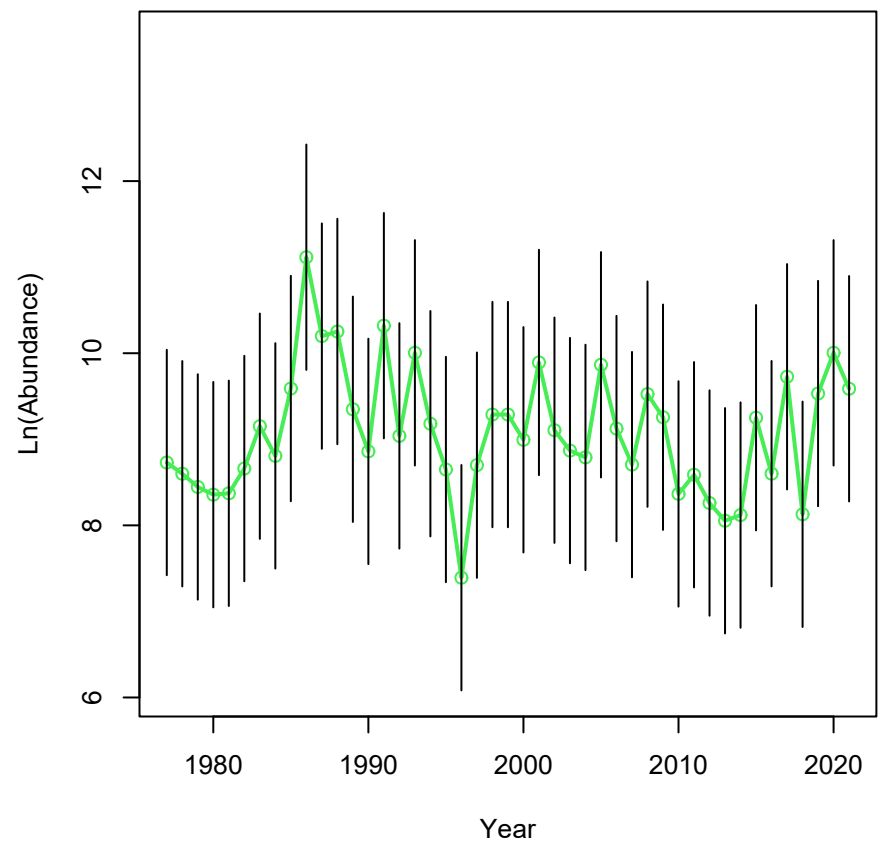
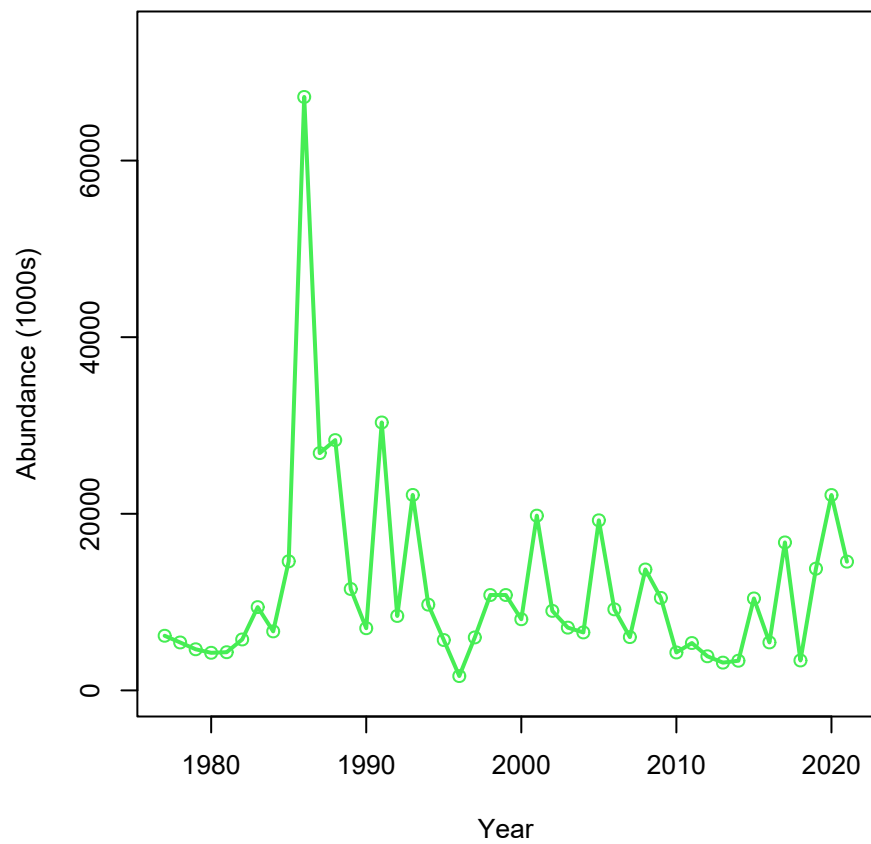
Conditional Expected and Posterior Estimates of Age 7 Abundance



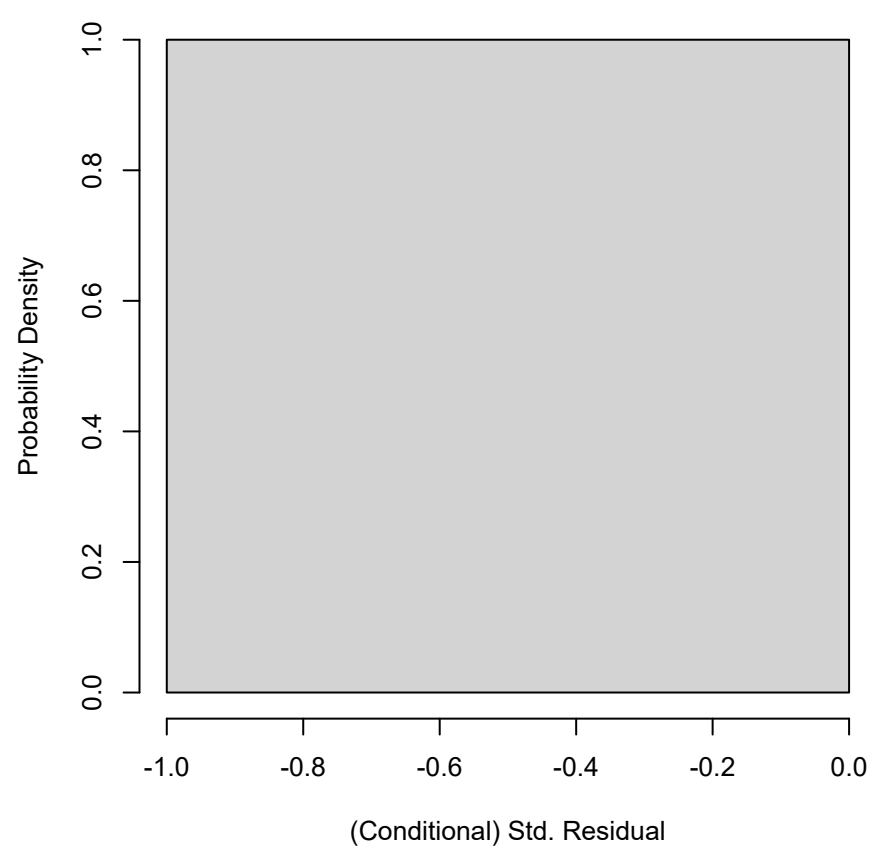
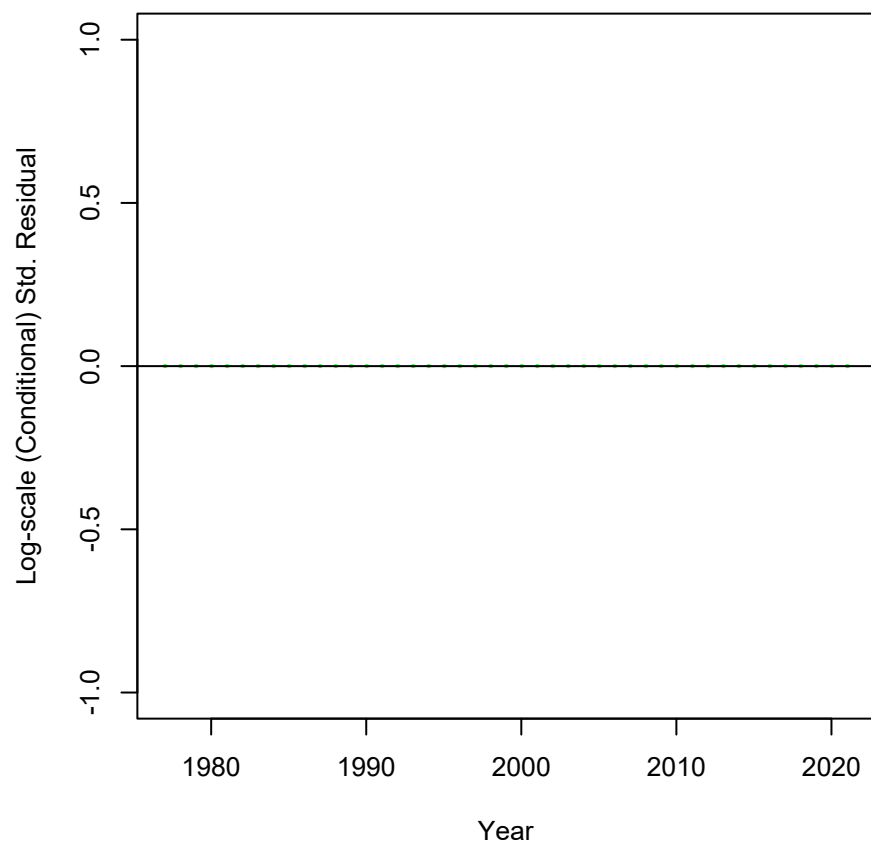
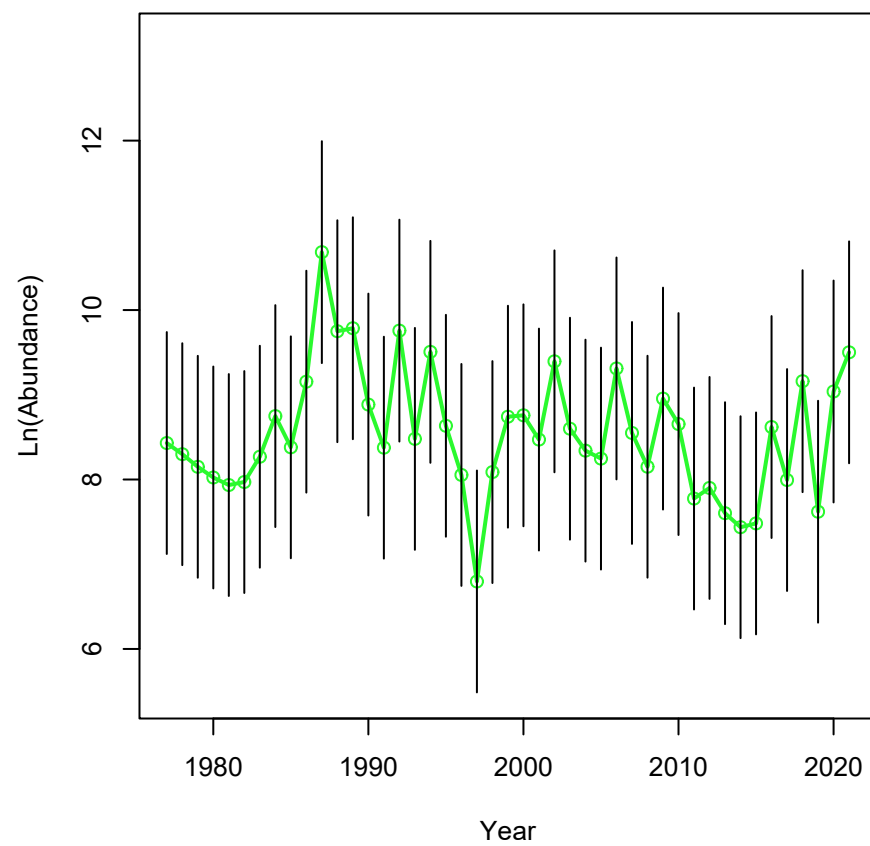
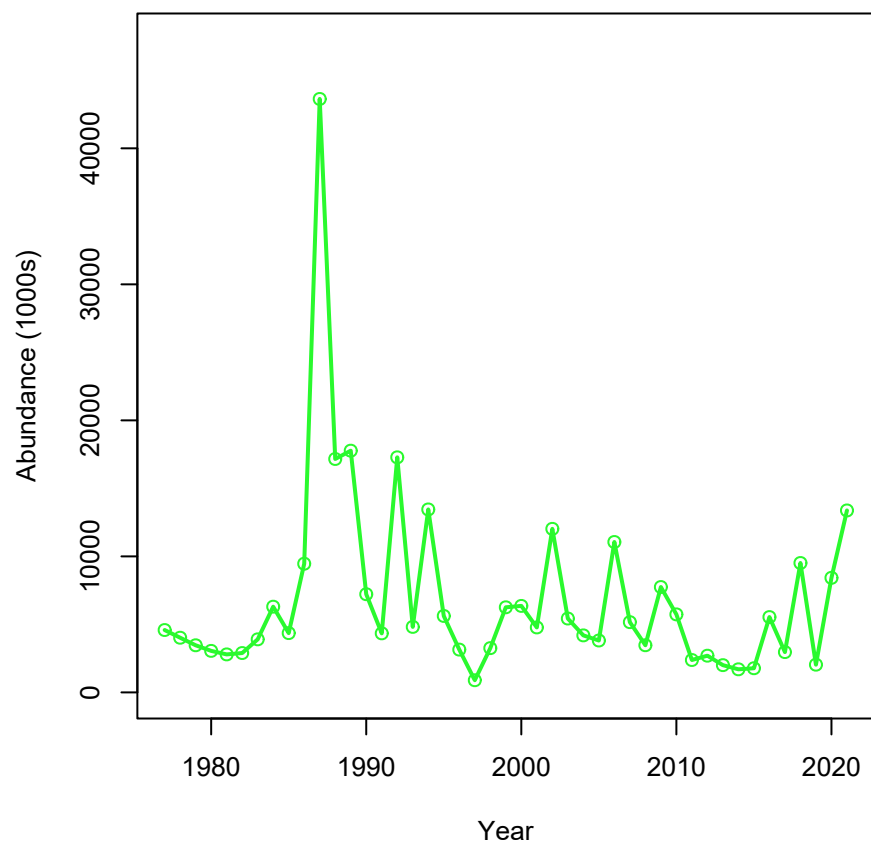
Conditional Expected and Posterior Estimates of Age 8 Abundance



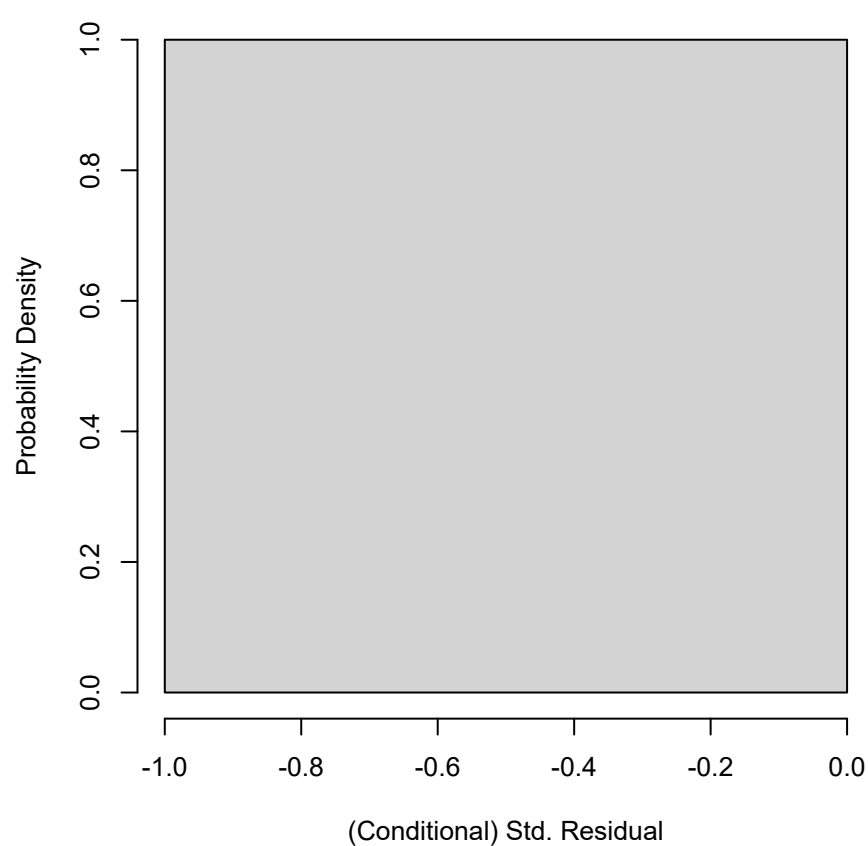
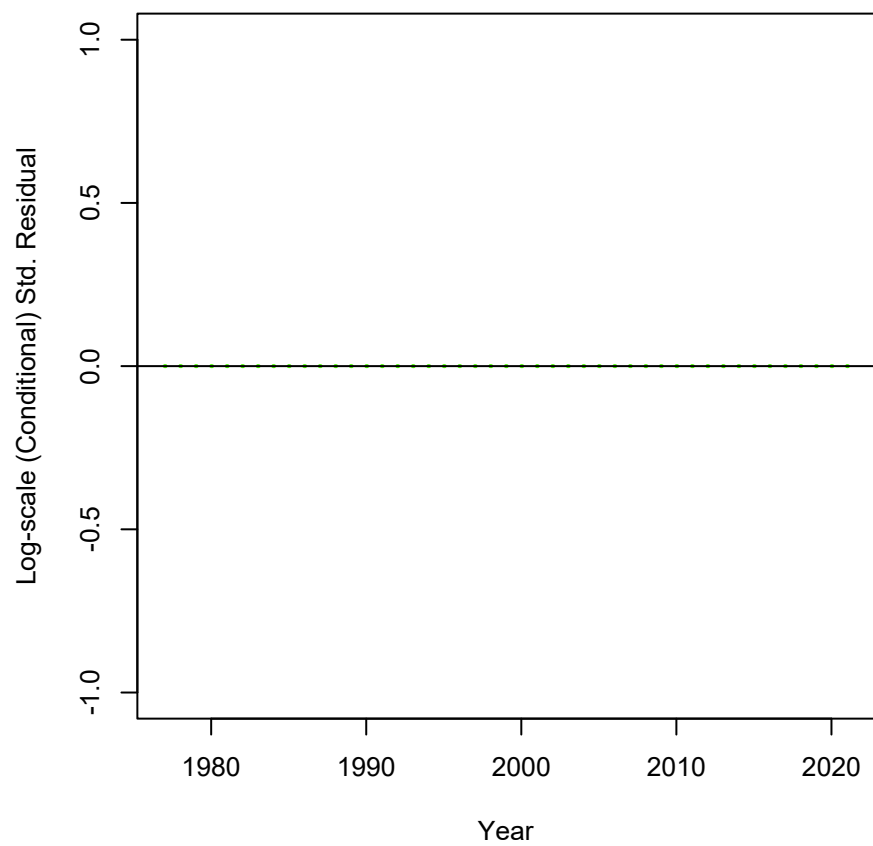
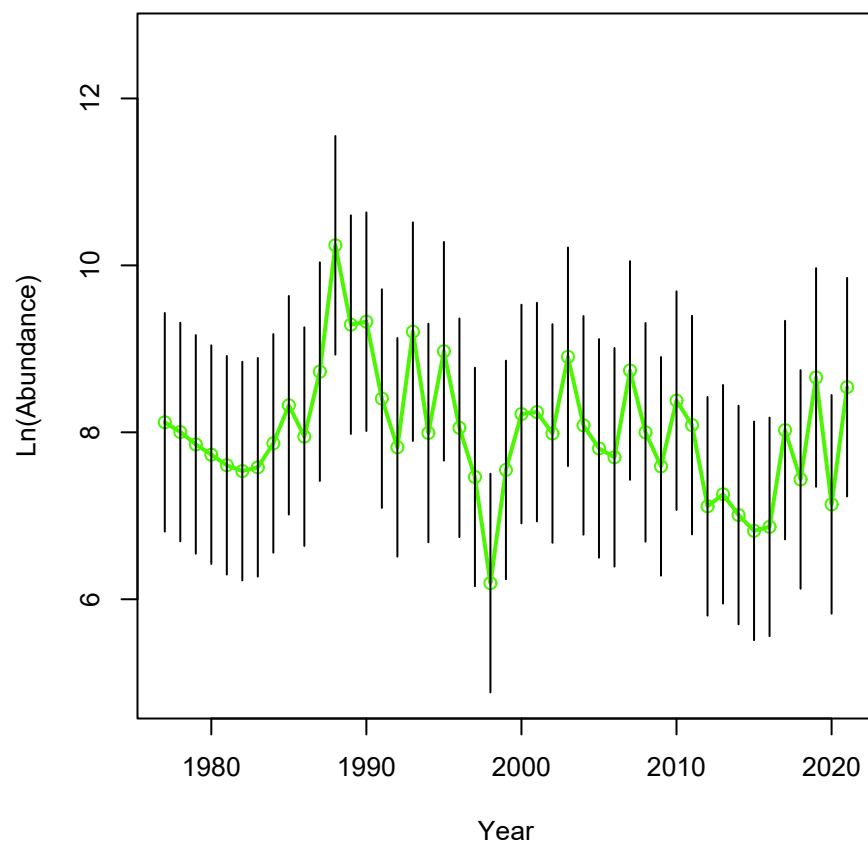
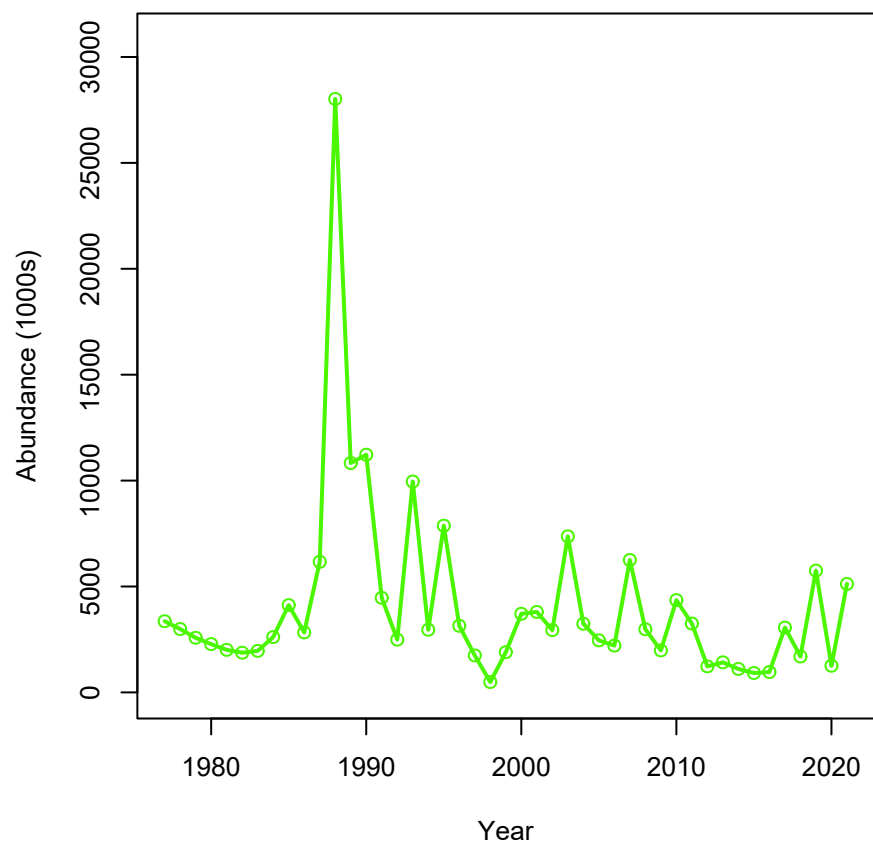
Conditional Expected and Posterior Estimates of Age 9 Abundance



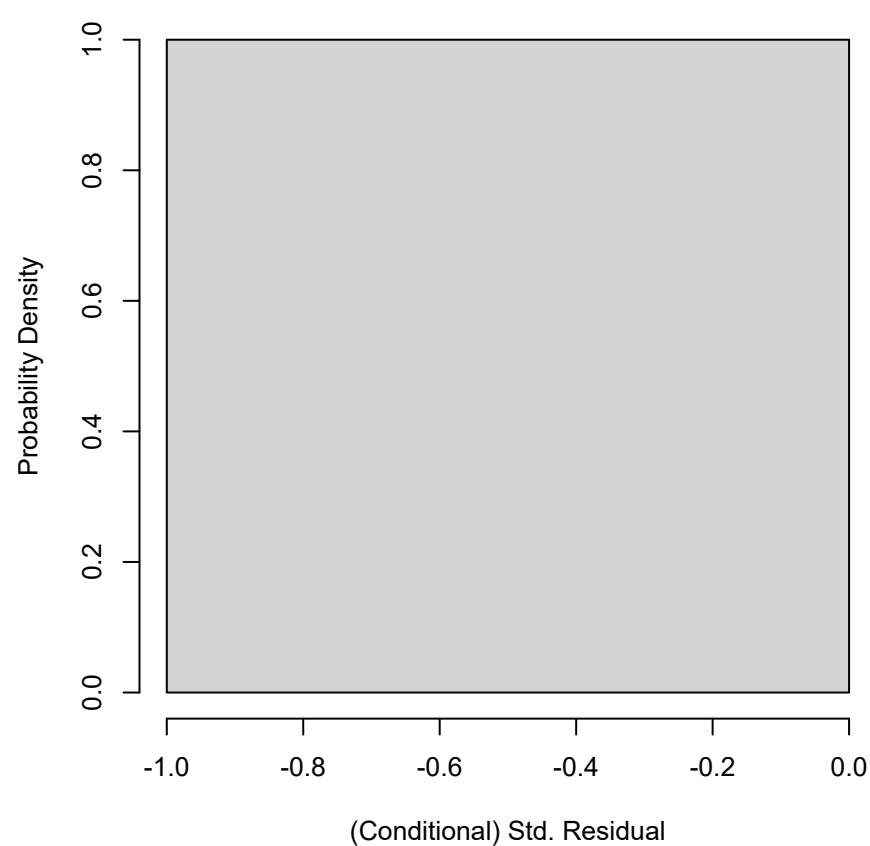
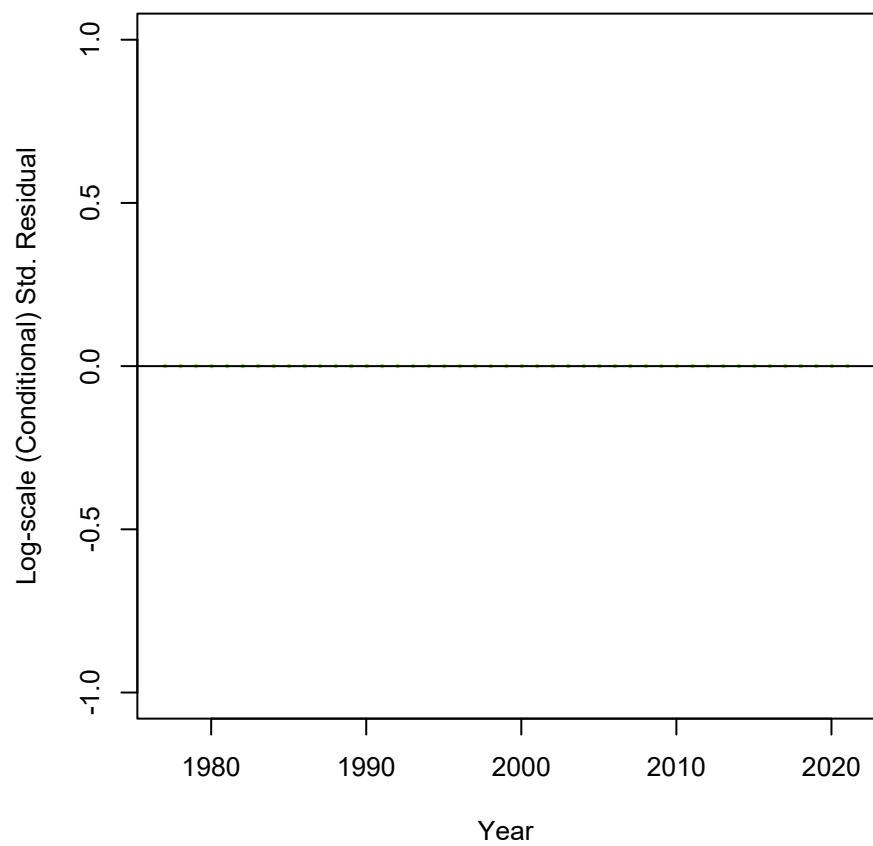
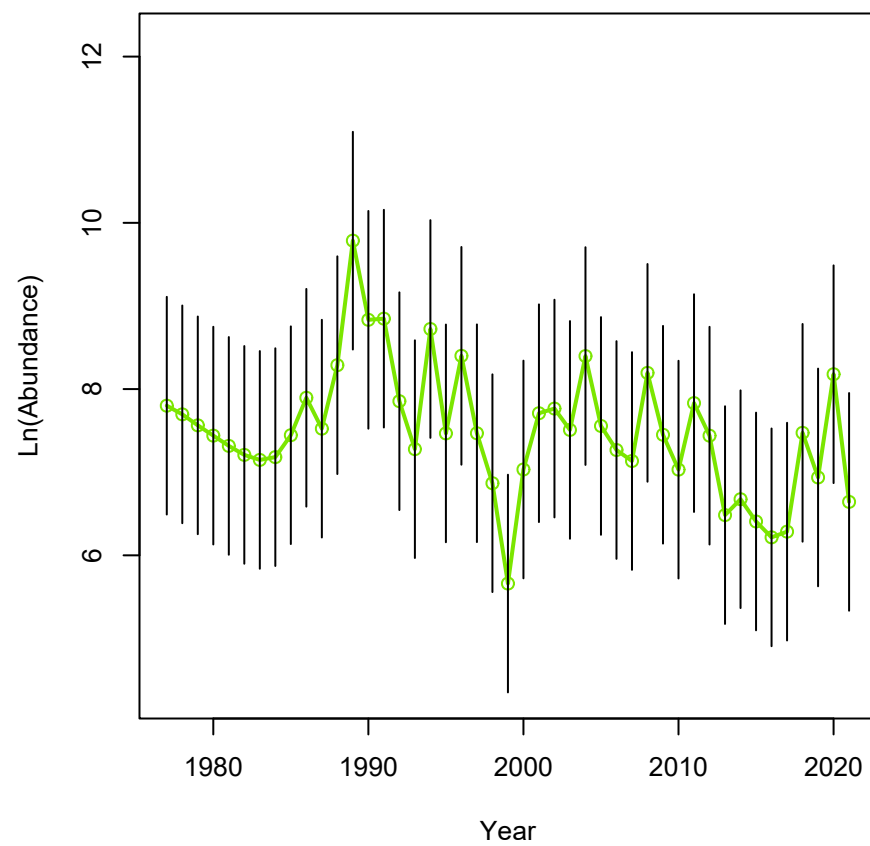
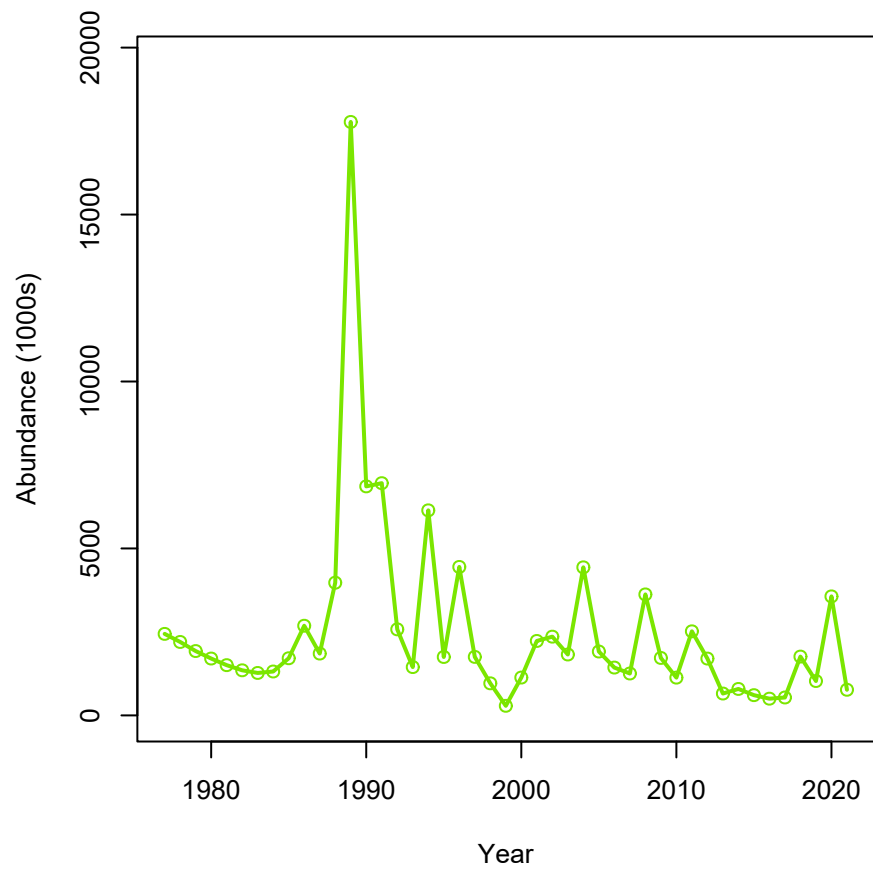
Conditional Expected and Posterior Estimates of Age 10 Abundance



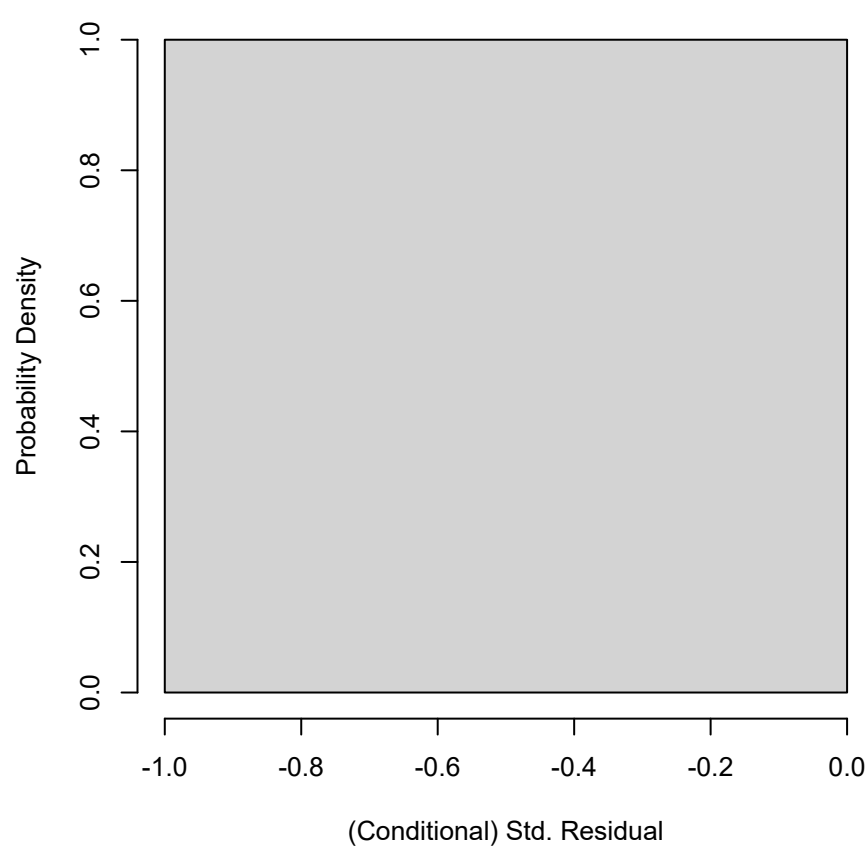
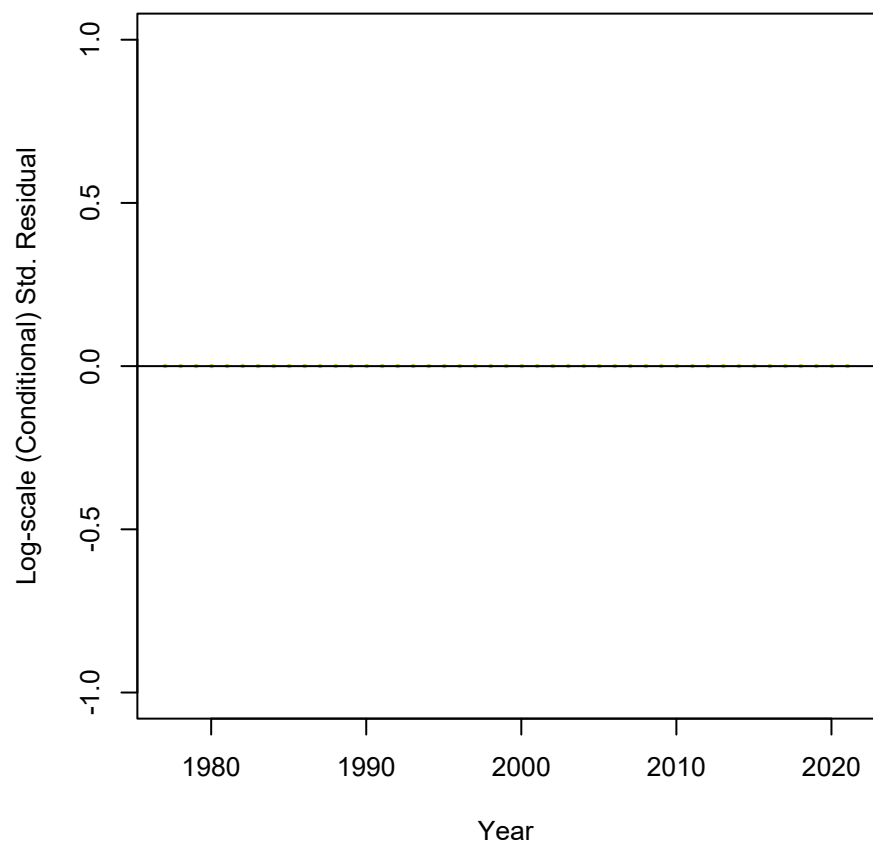
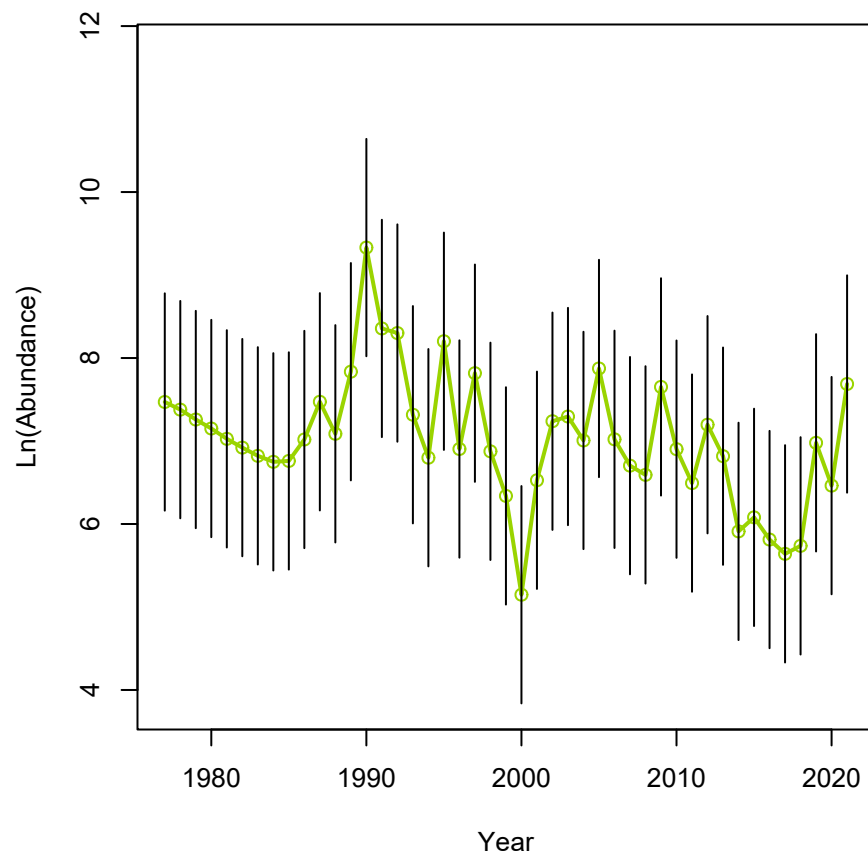
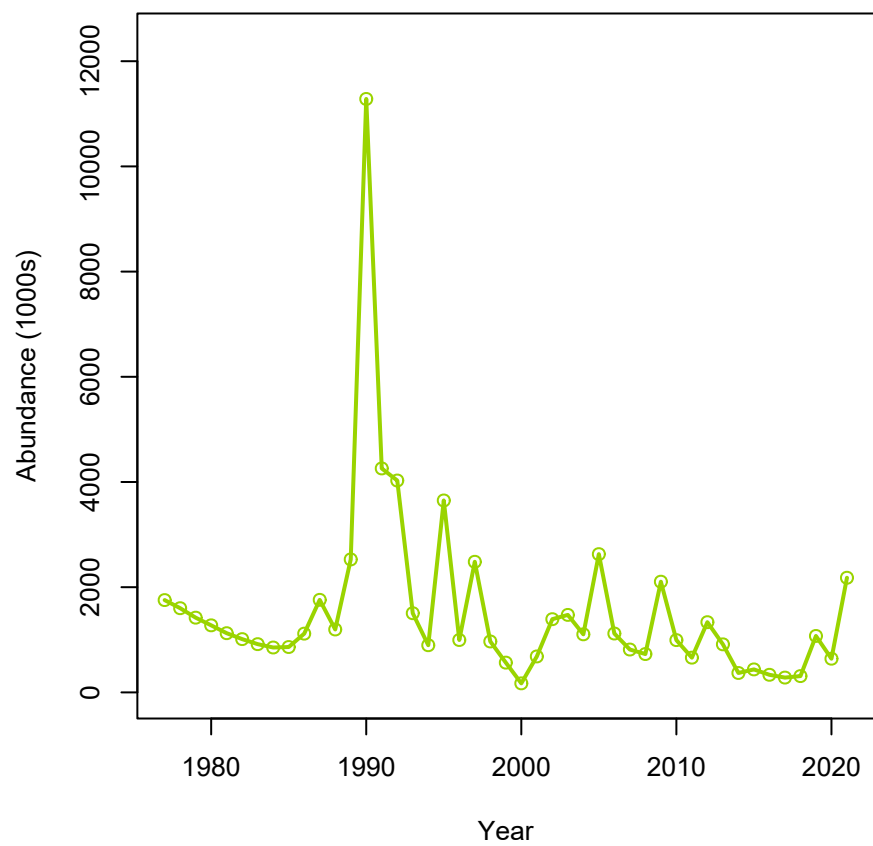
Conditional Expected and Posterior Estimates of Age 11 Abundance



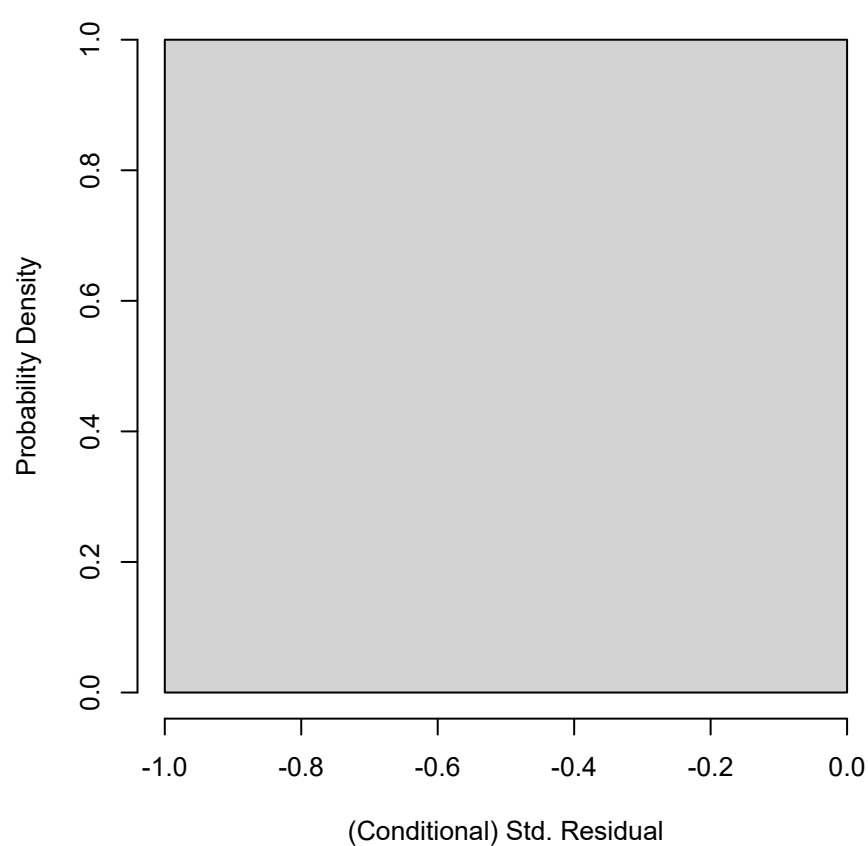
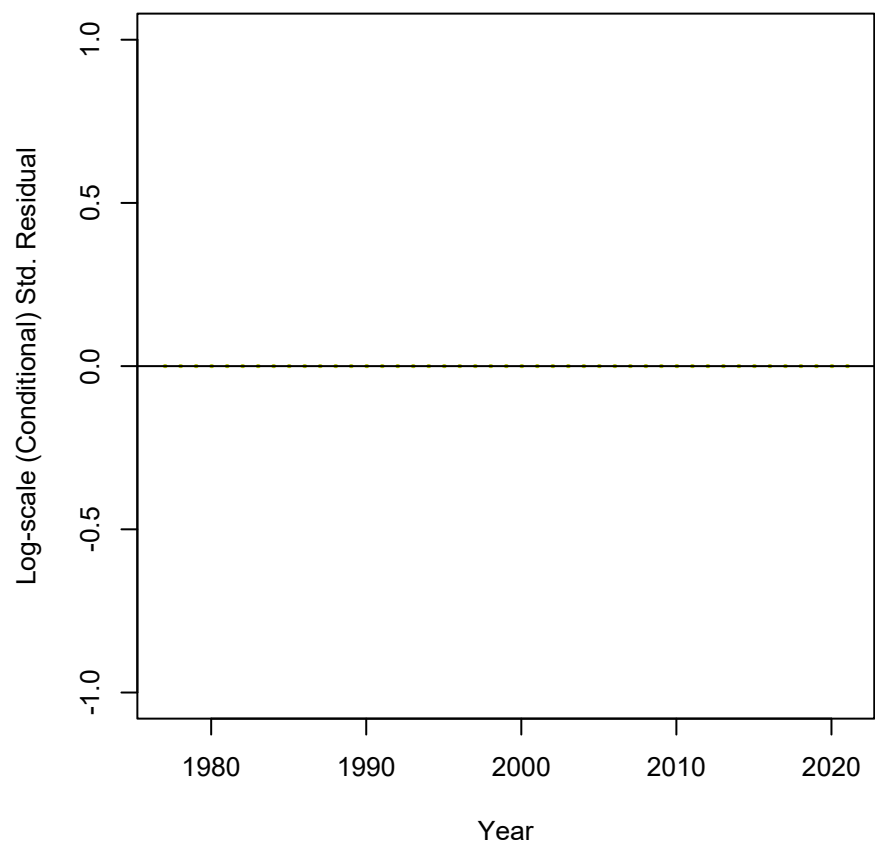
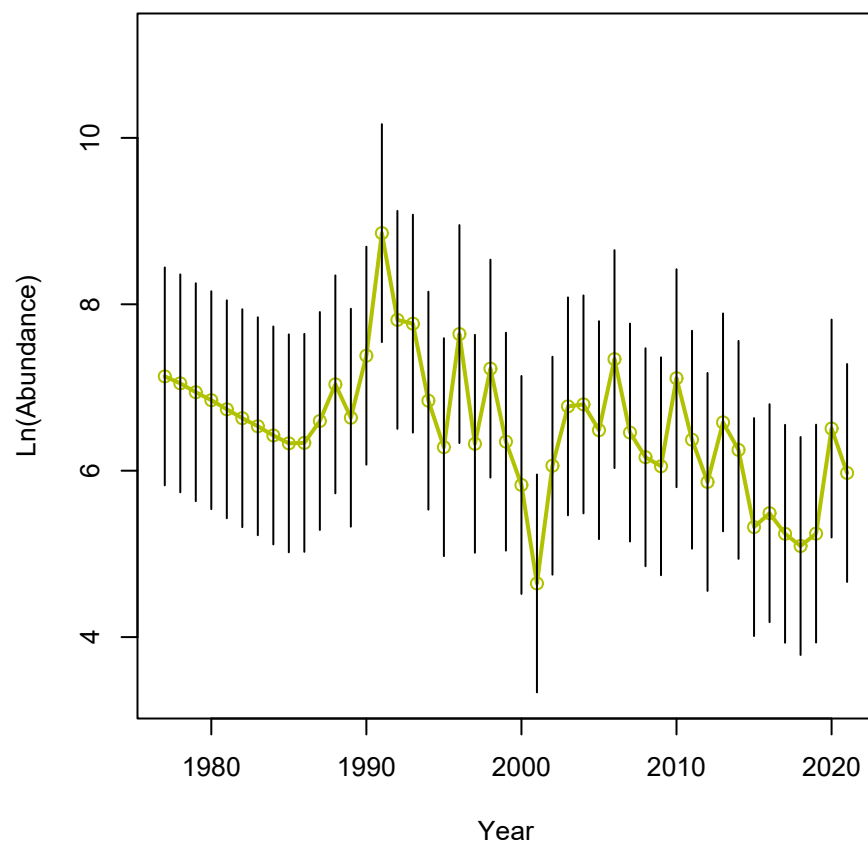
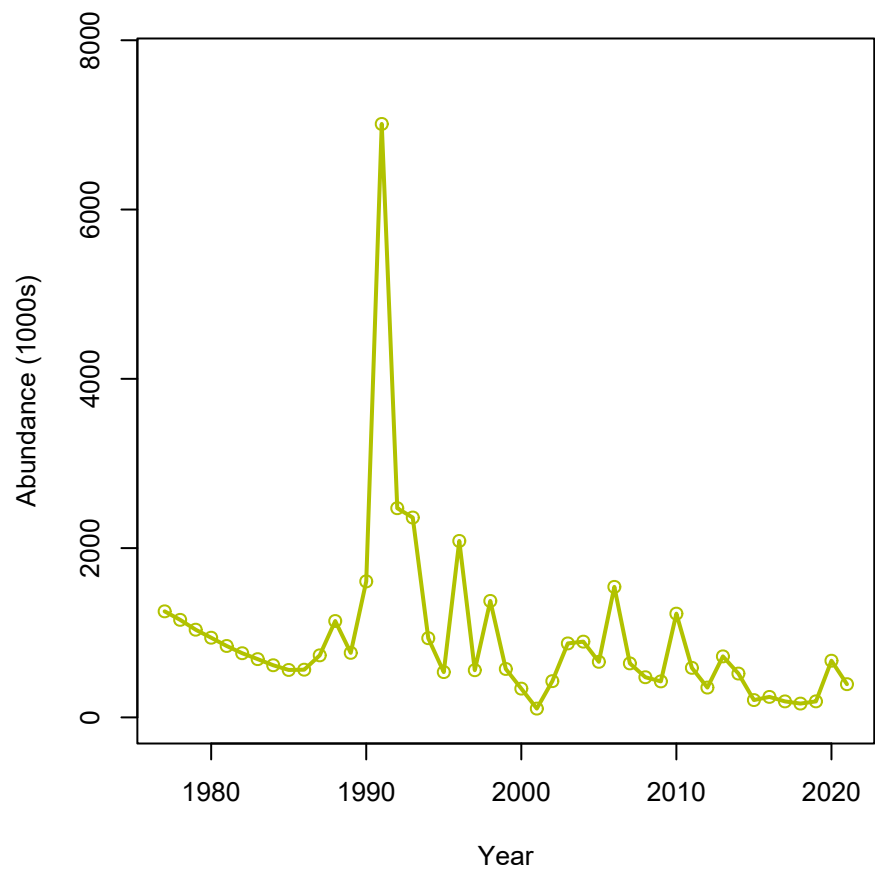
Conditional Expected and Posterior Estimates of Age 12 Abundance



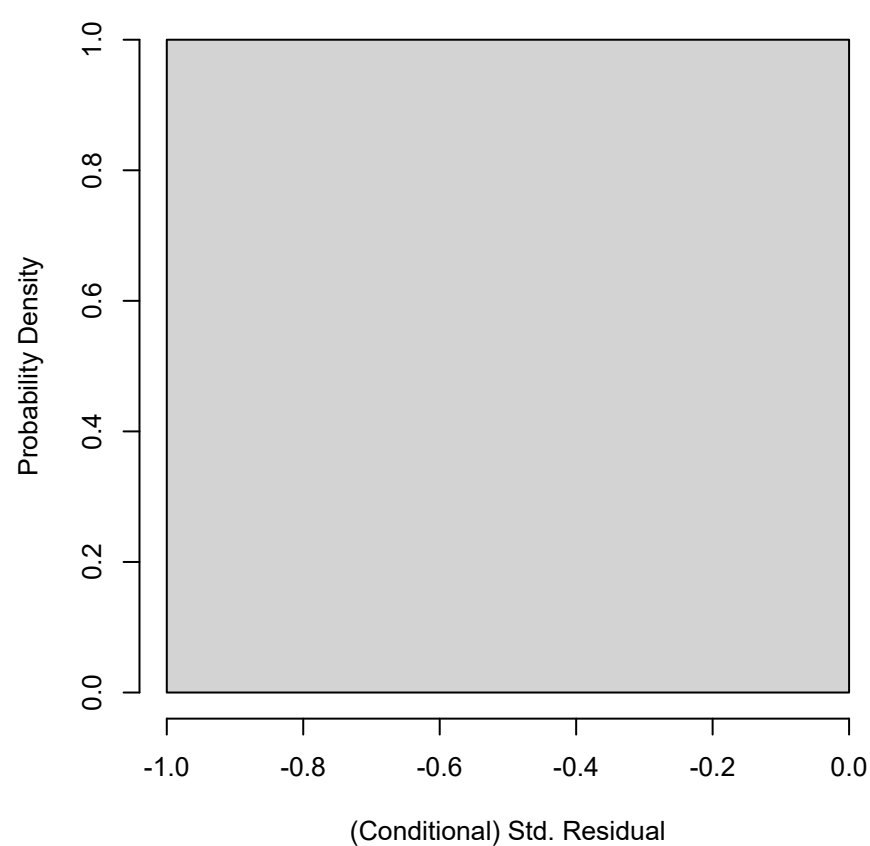
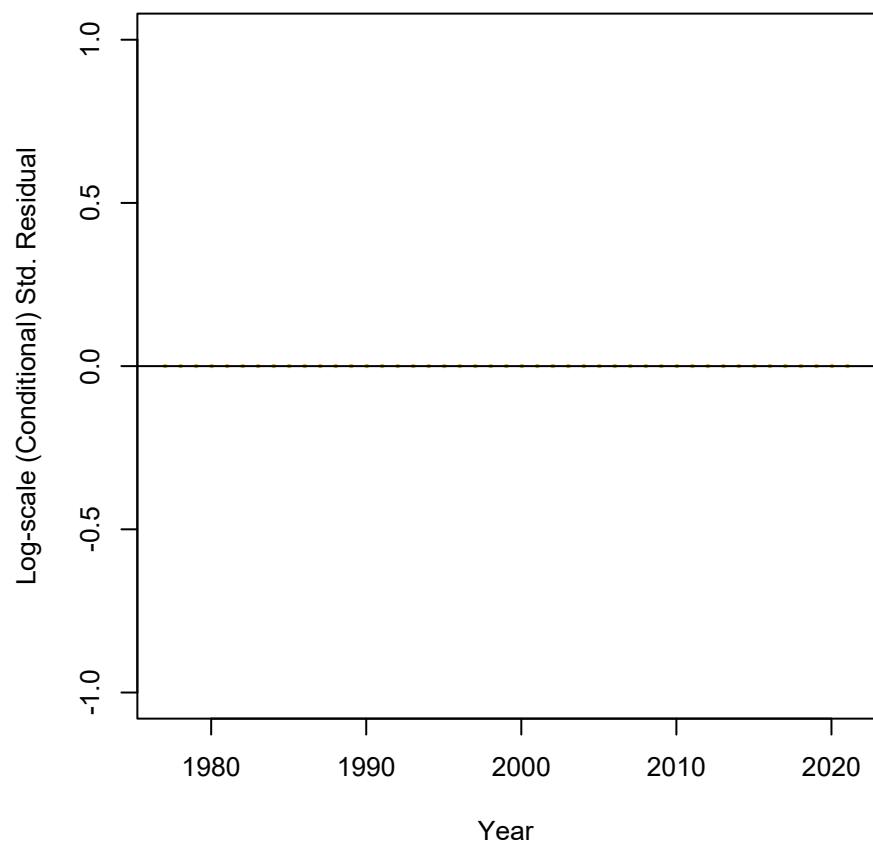
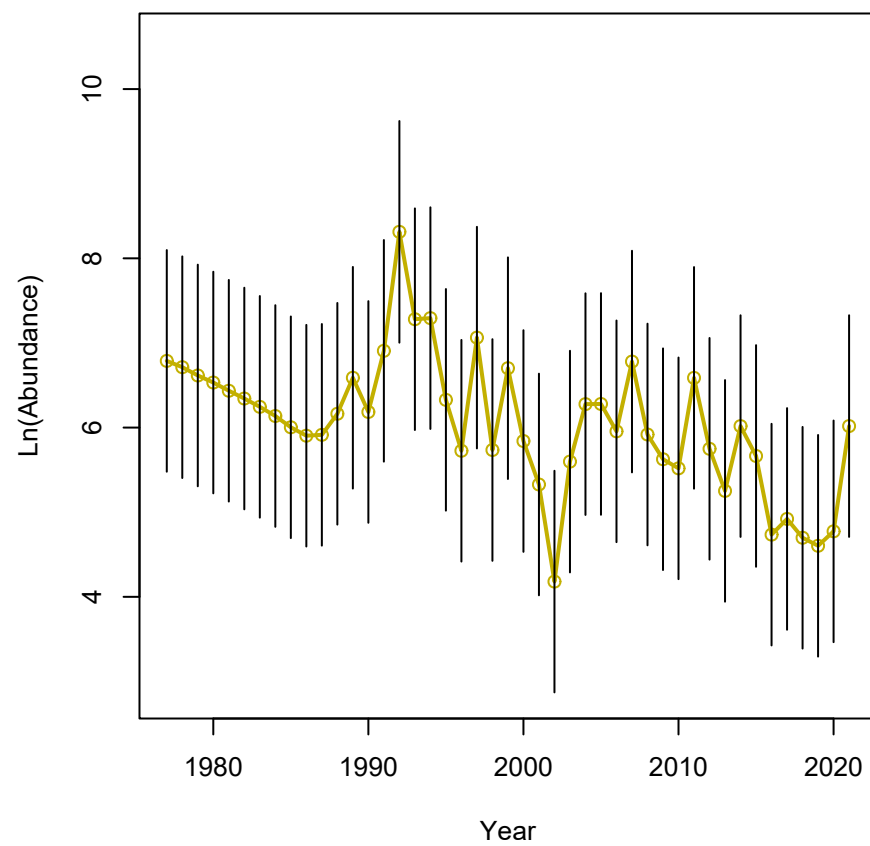
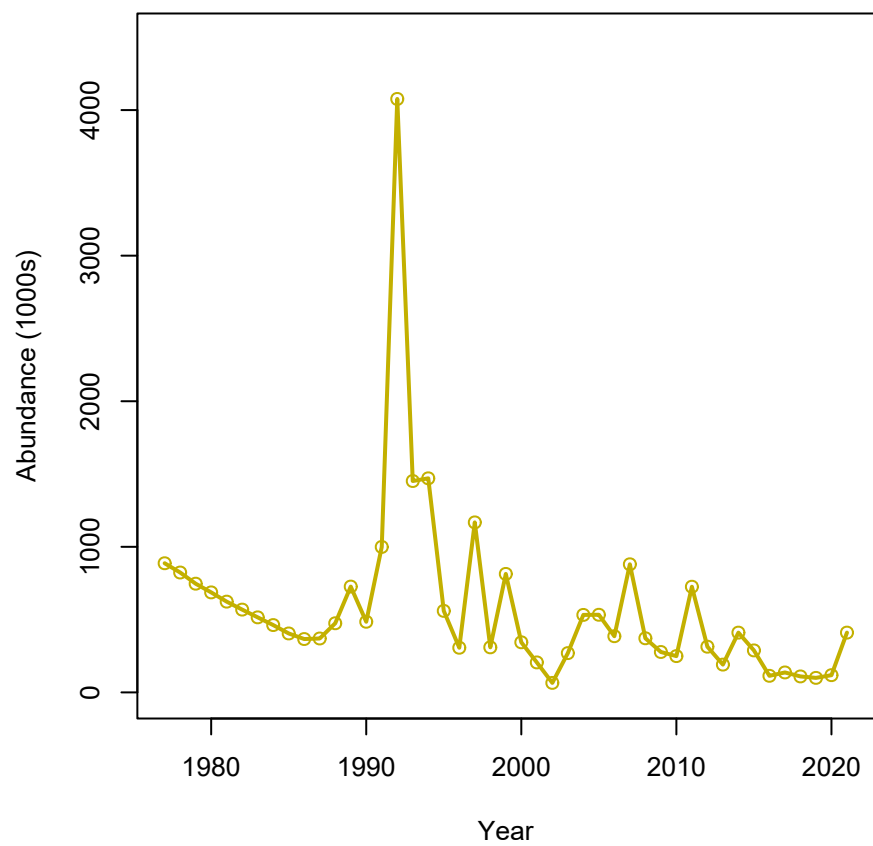
Conditional Expected and Posterior Estimates of Age 13 Abundance



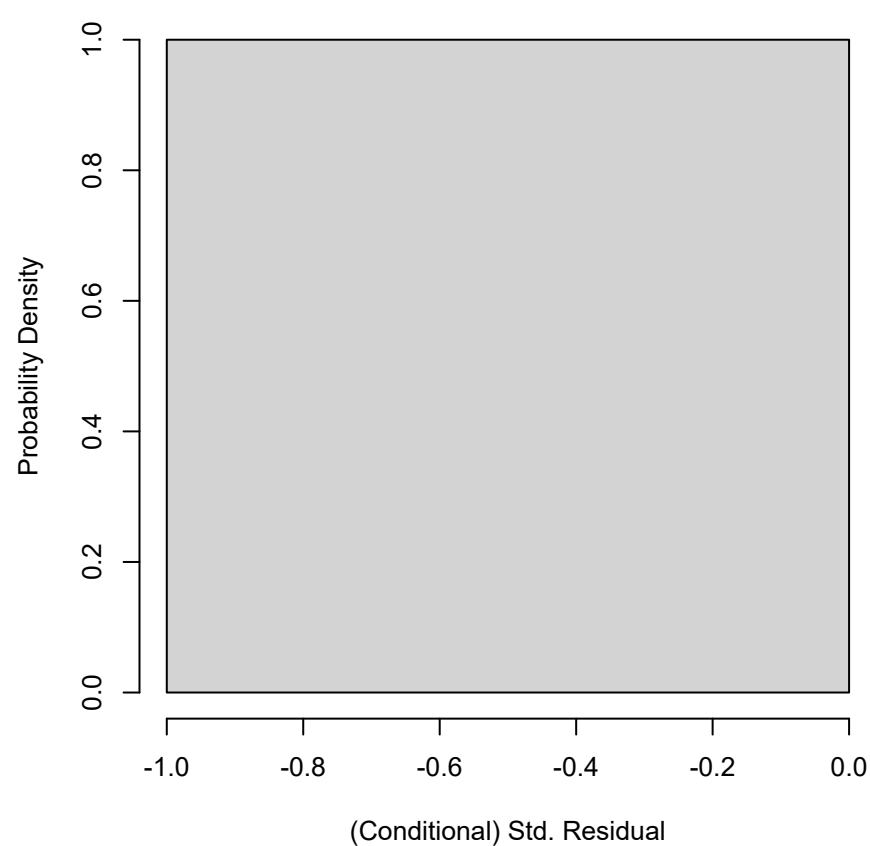
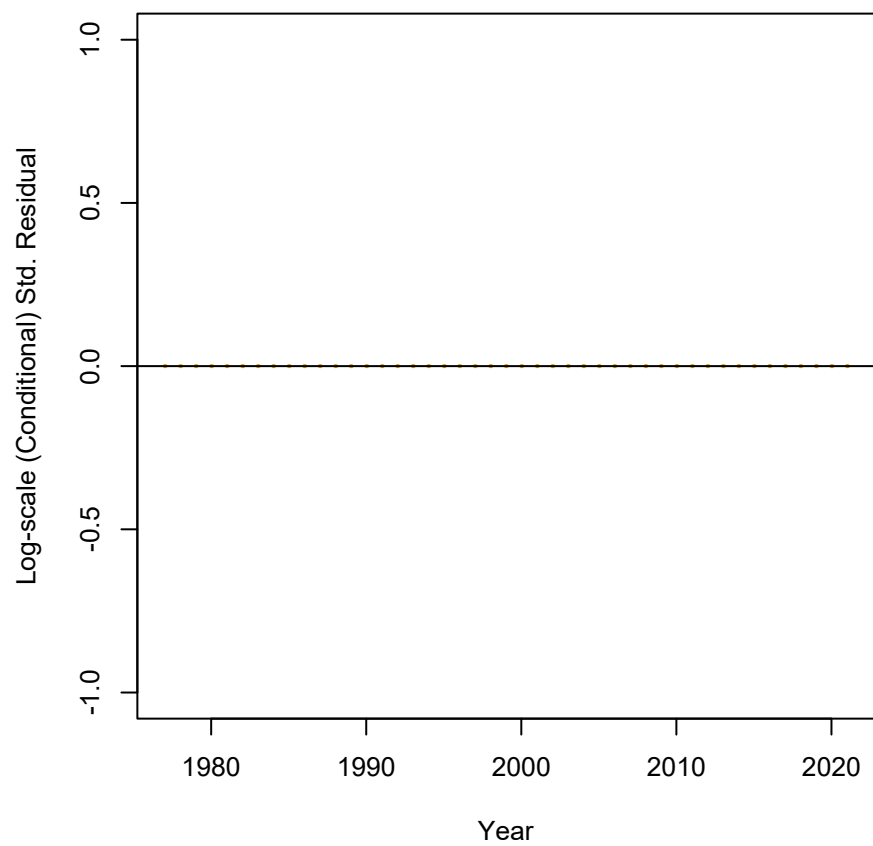
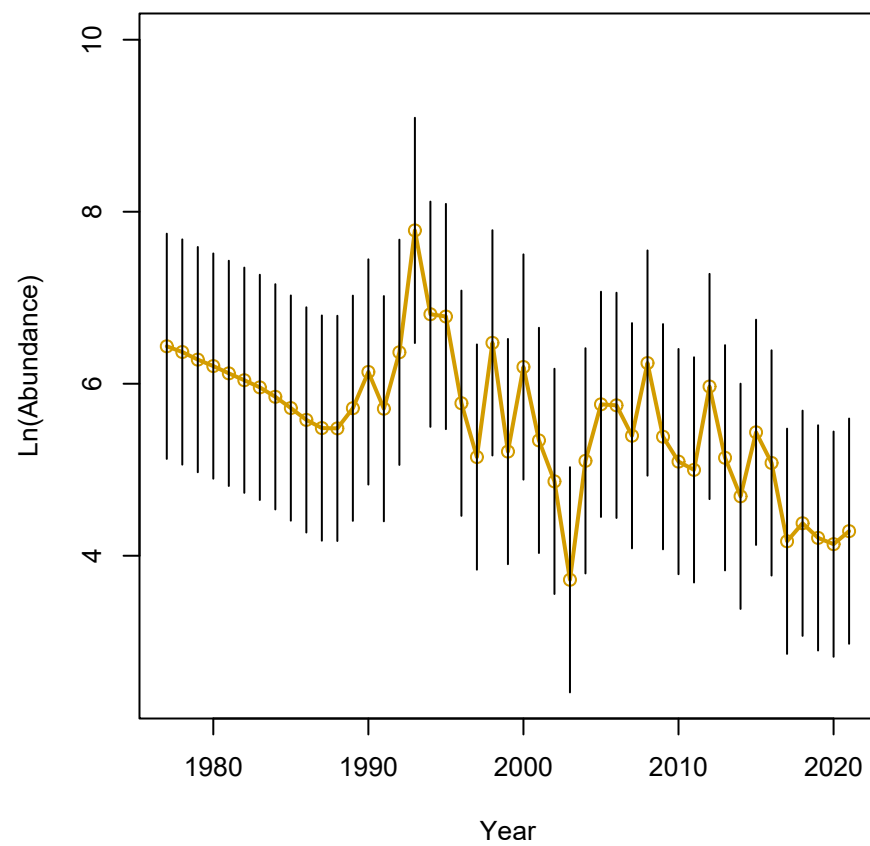
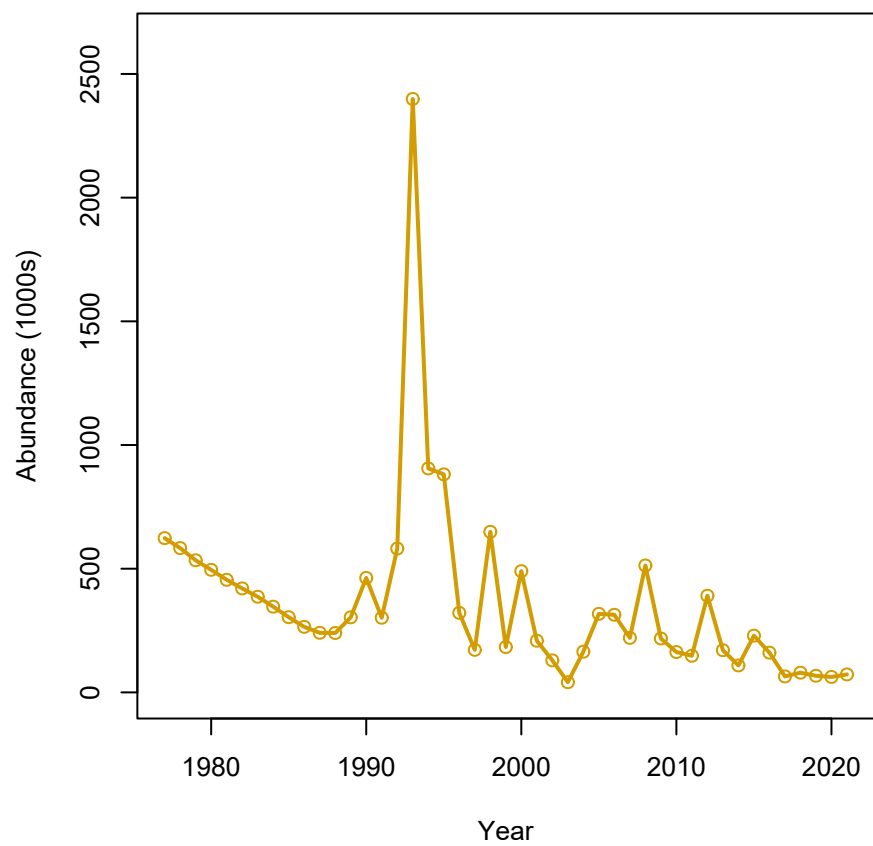
Conditional Expected and Posterior Estimates of Age 14 Abundance



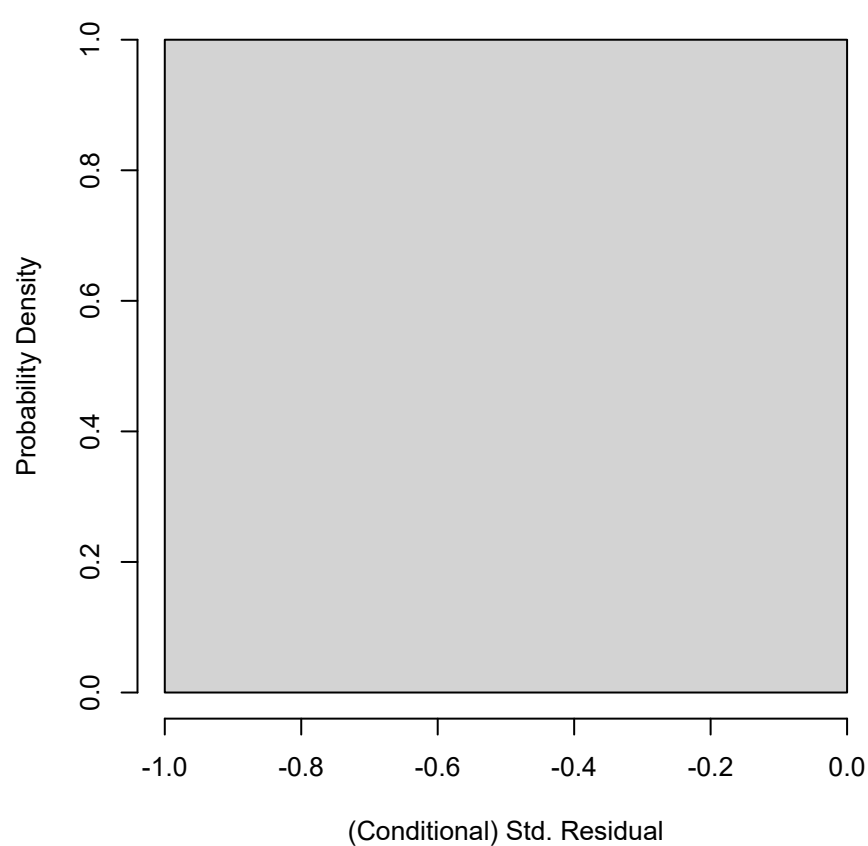
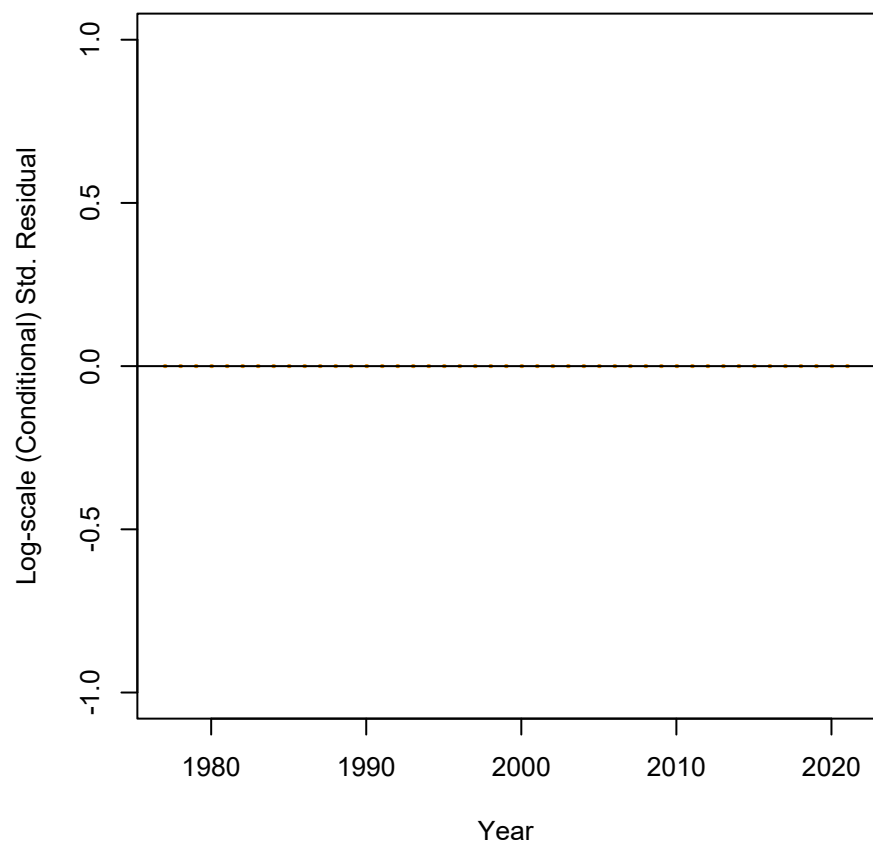
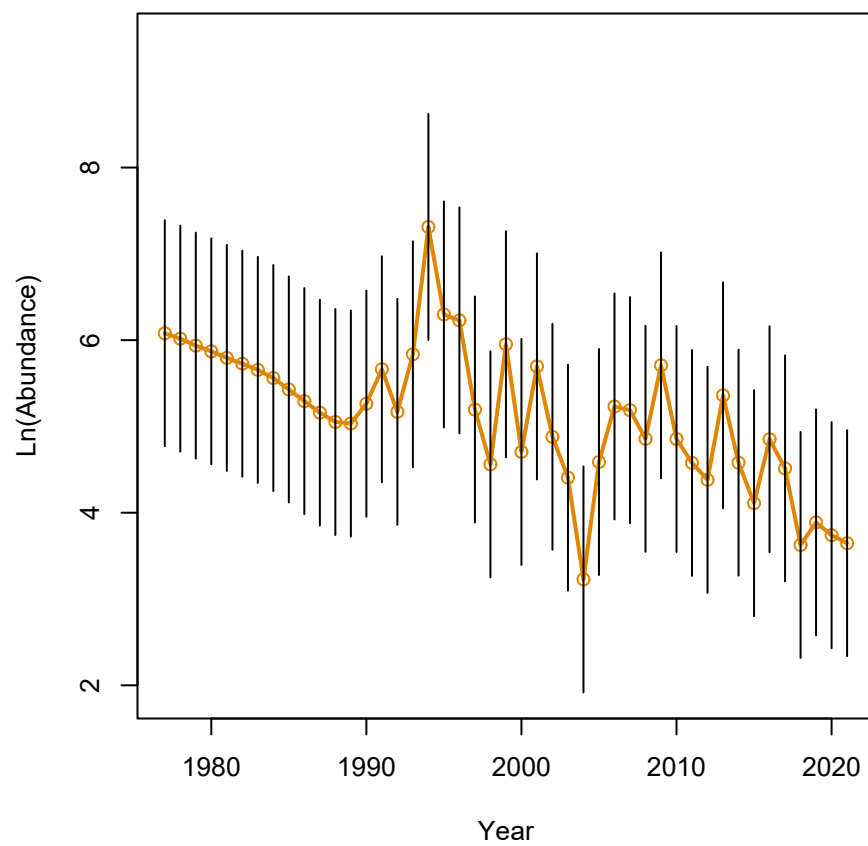
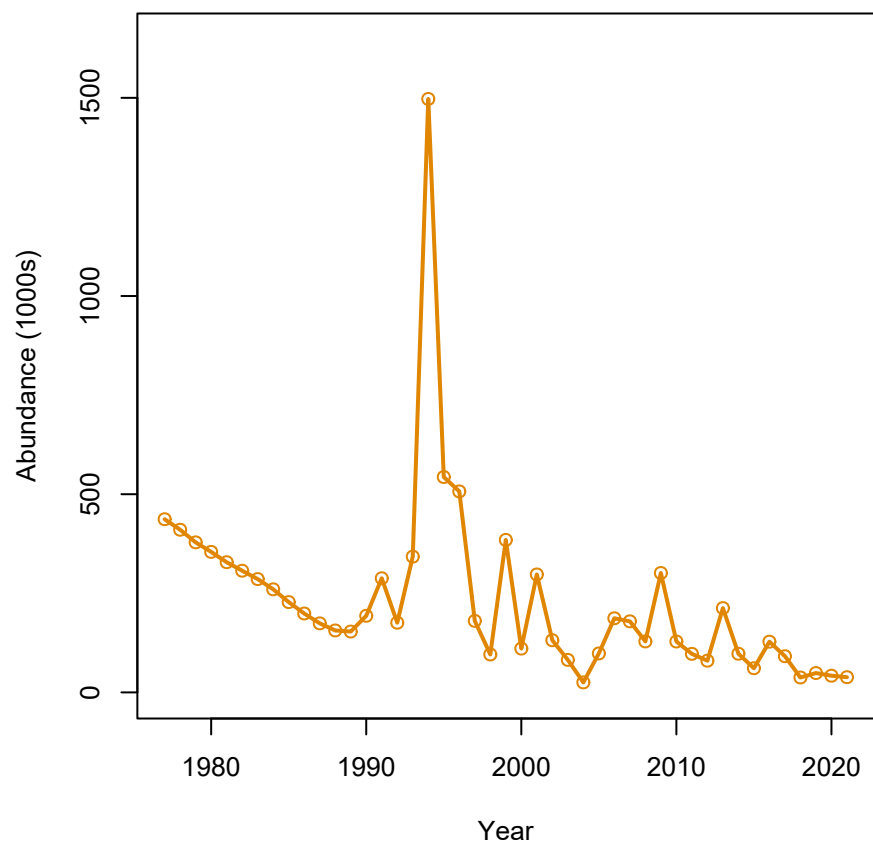
Conditional Expected and Posterior Estimates of Age 15 Abundance



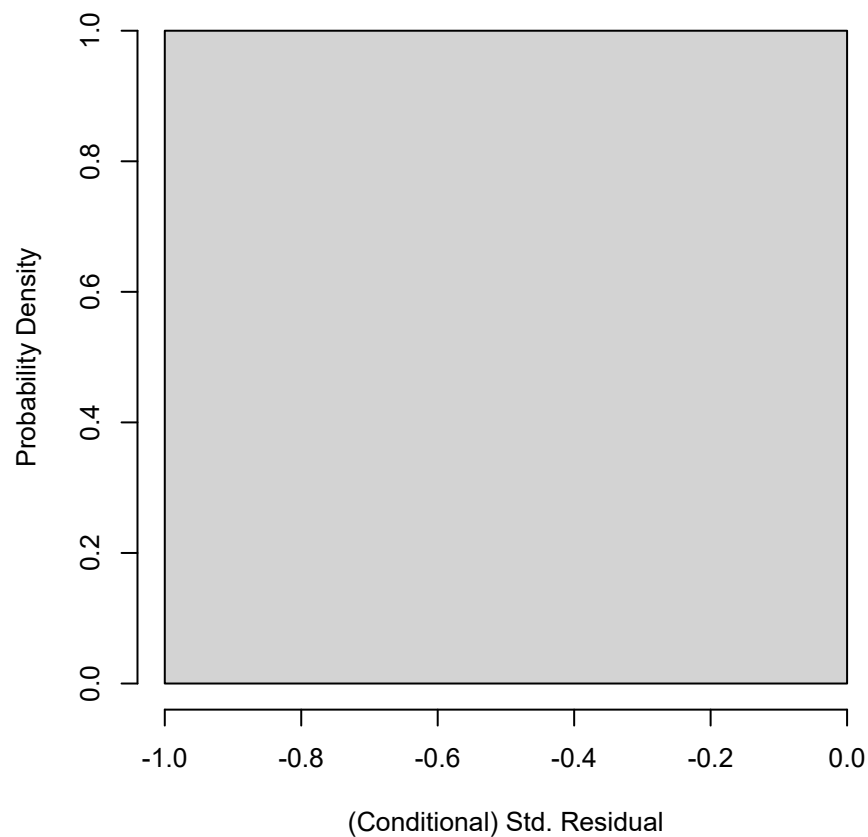
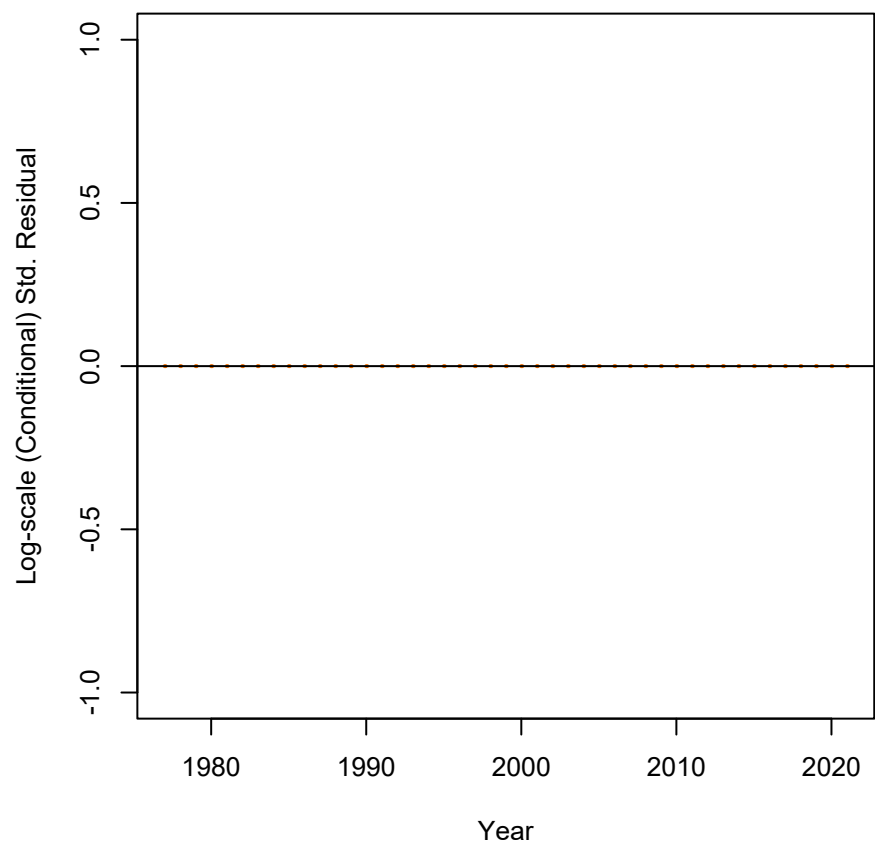
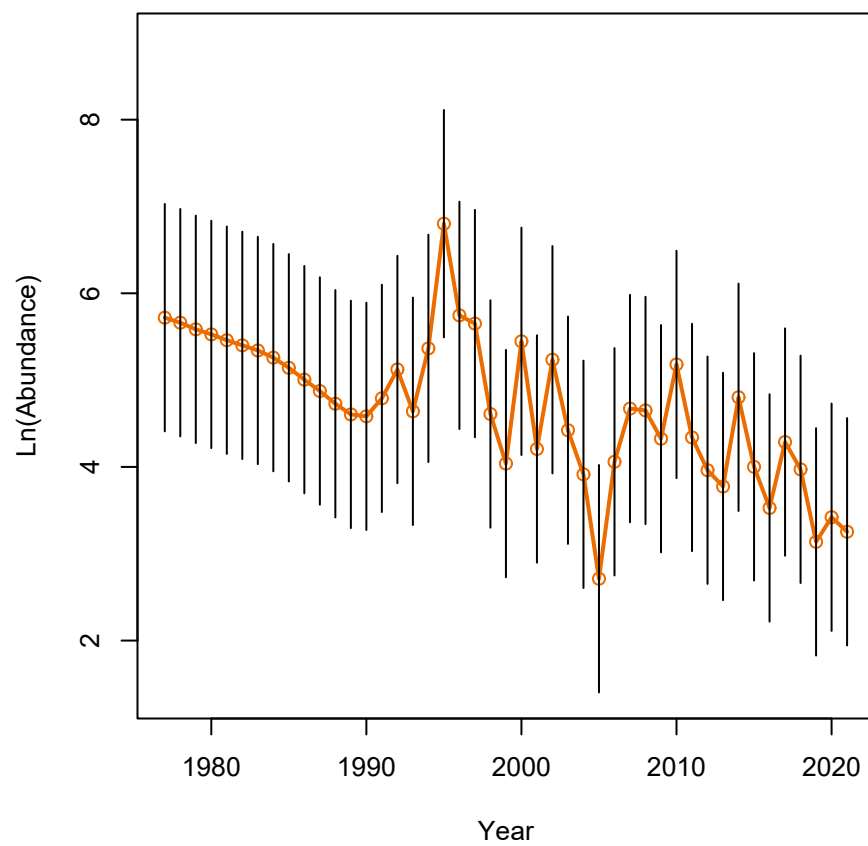
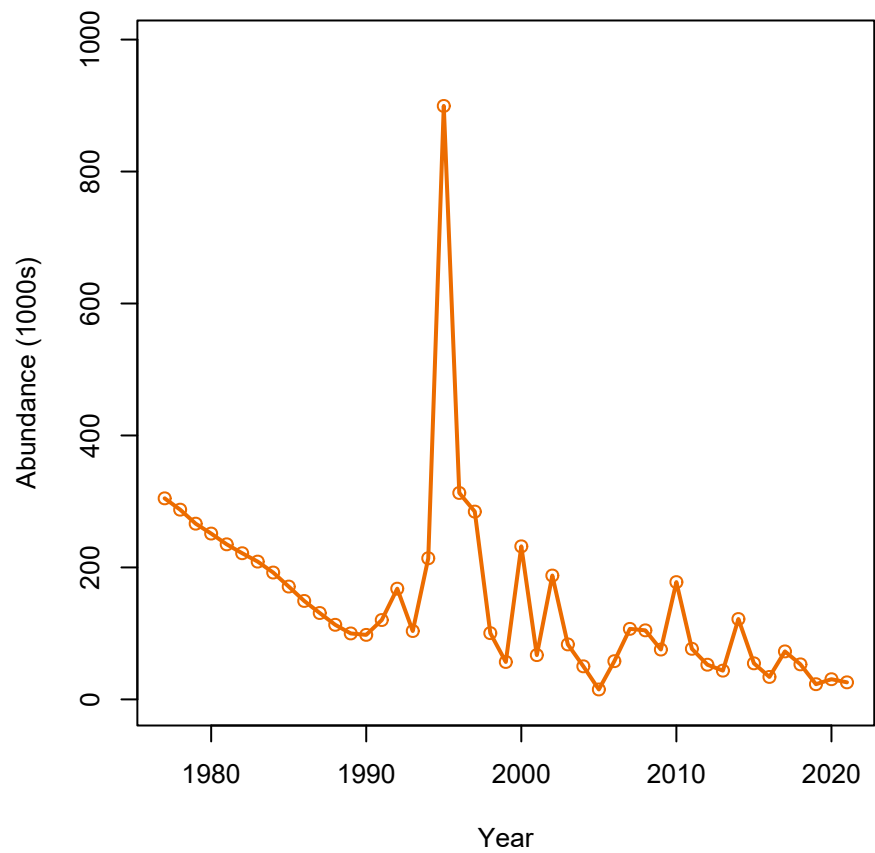
Conditional Expected and Posterior Estimates of Age 16 Abundance



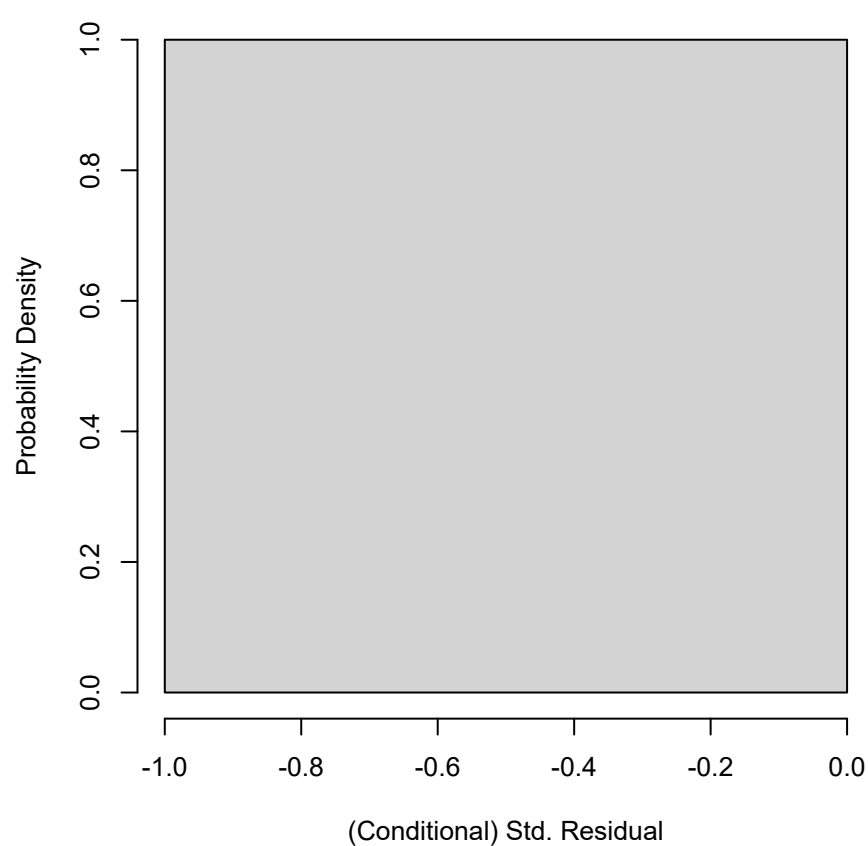
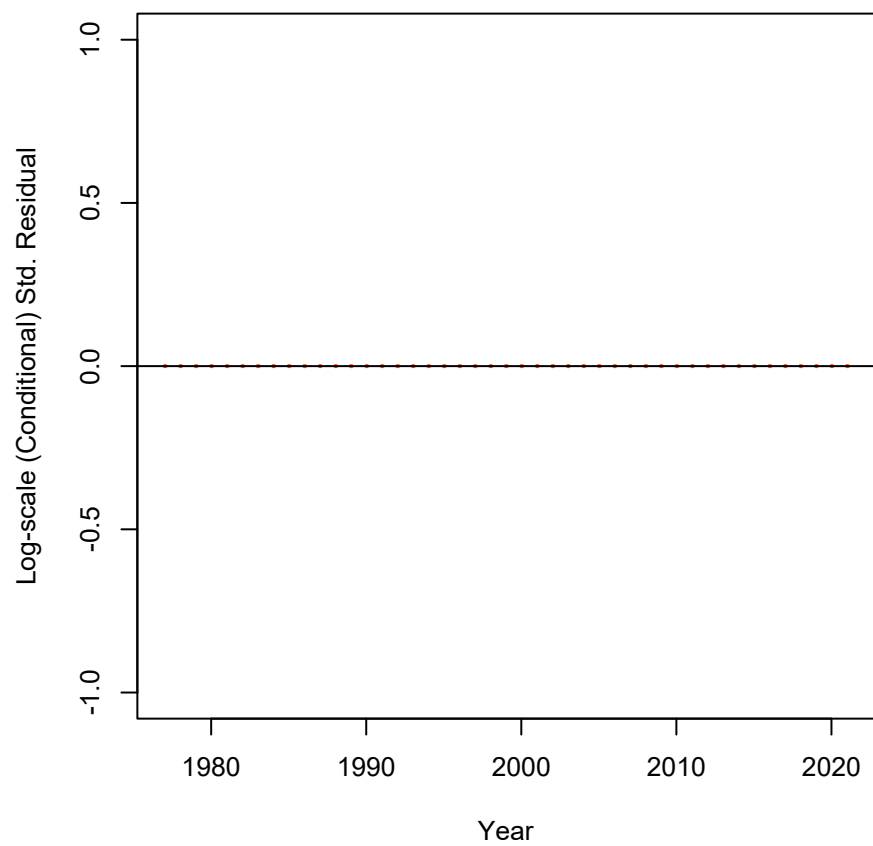
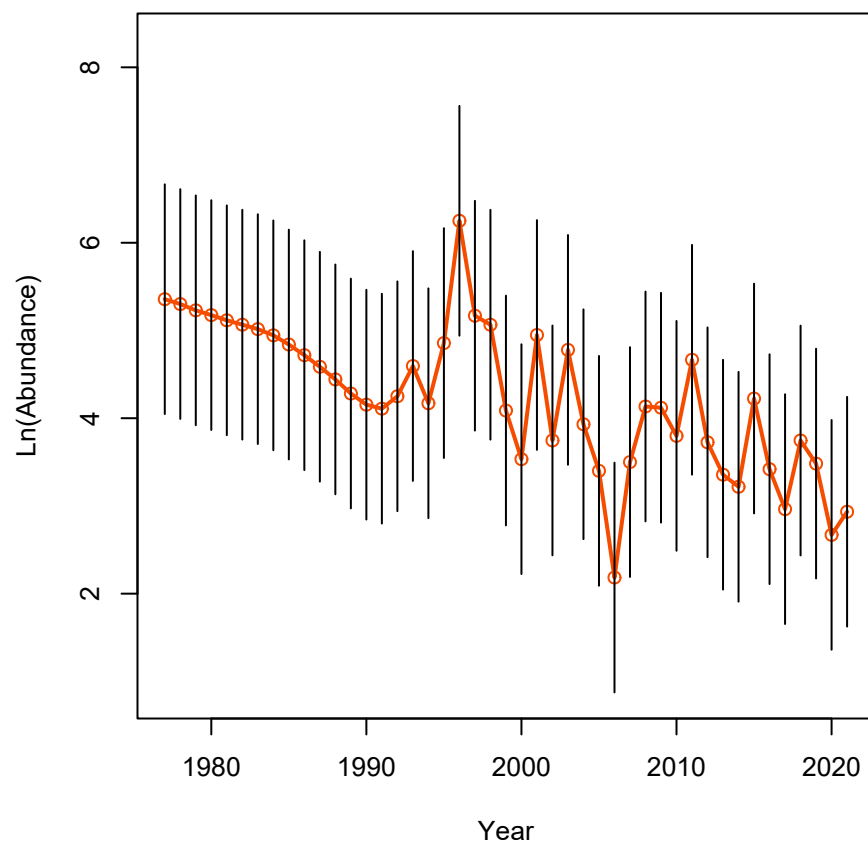
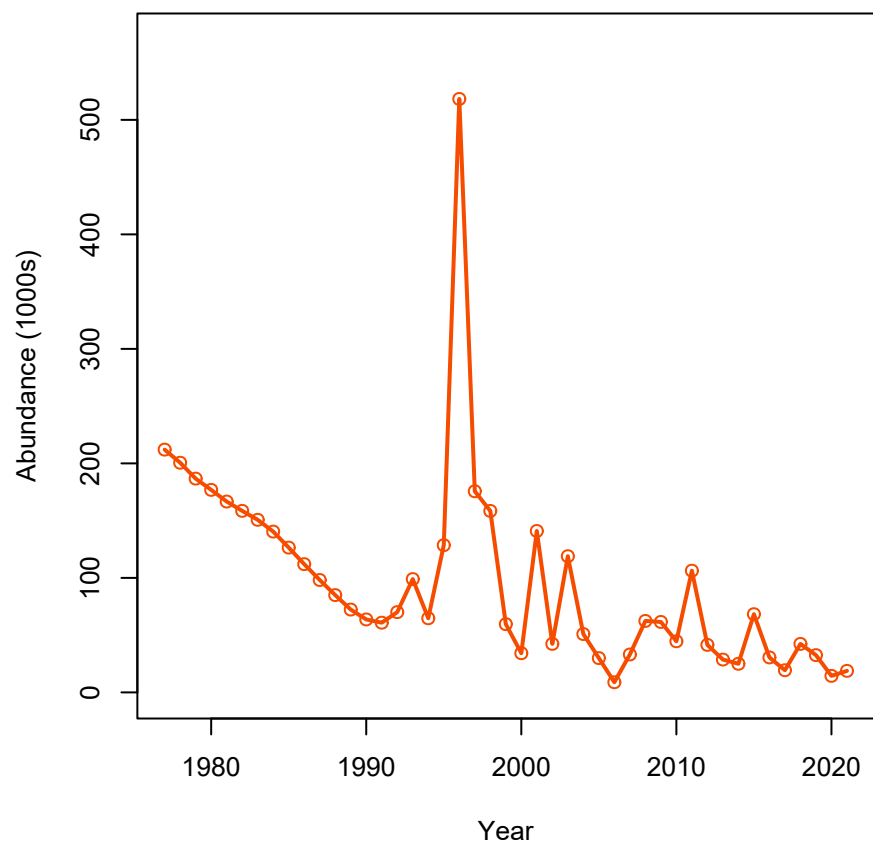
Conditional Expected and Posterior Estimates of Age 17 Abundance



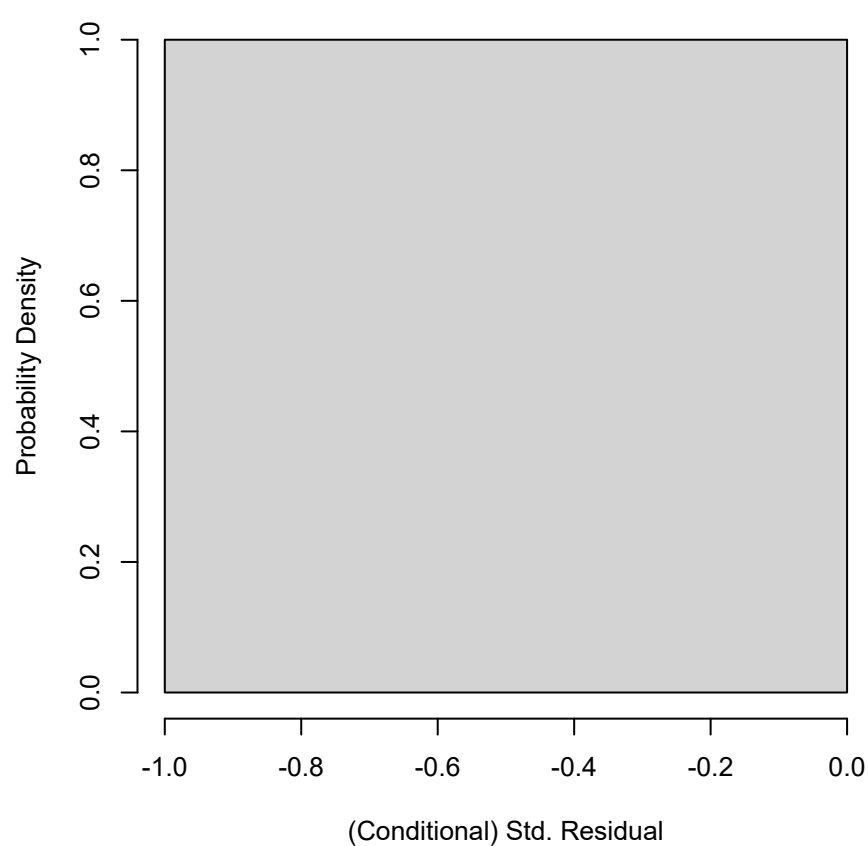
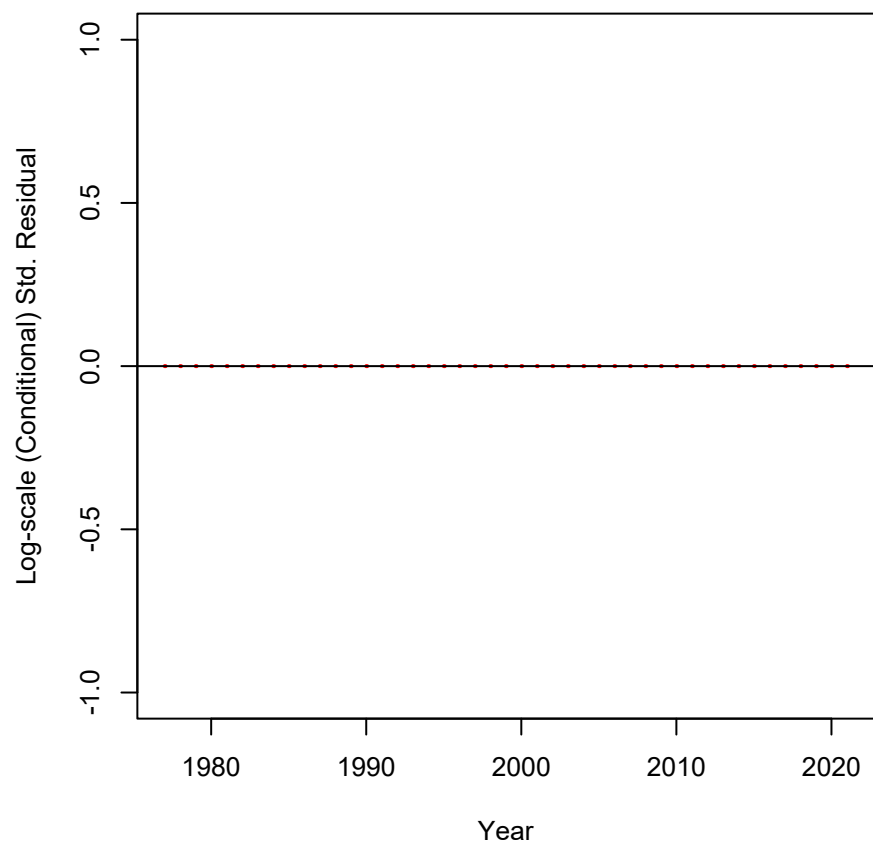
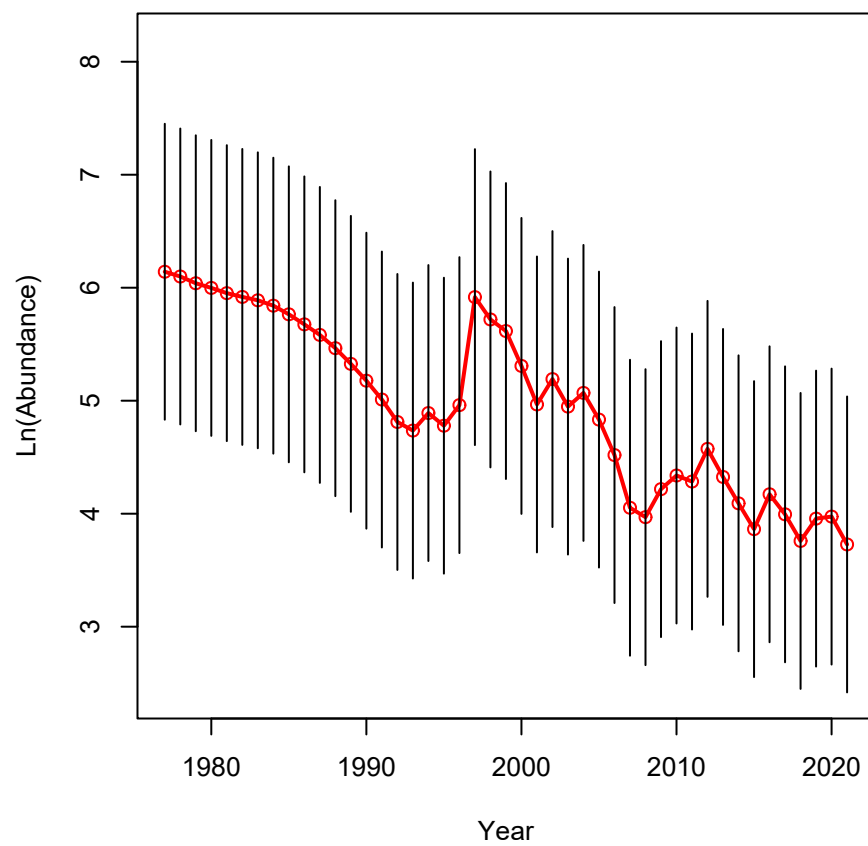
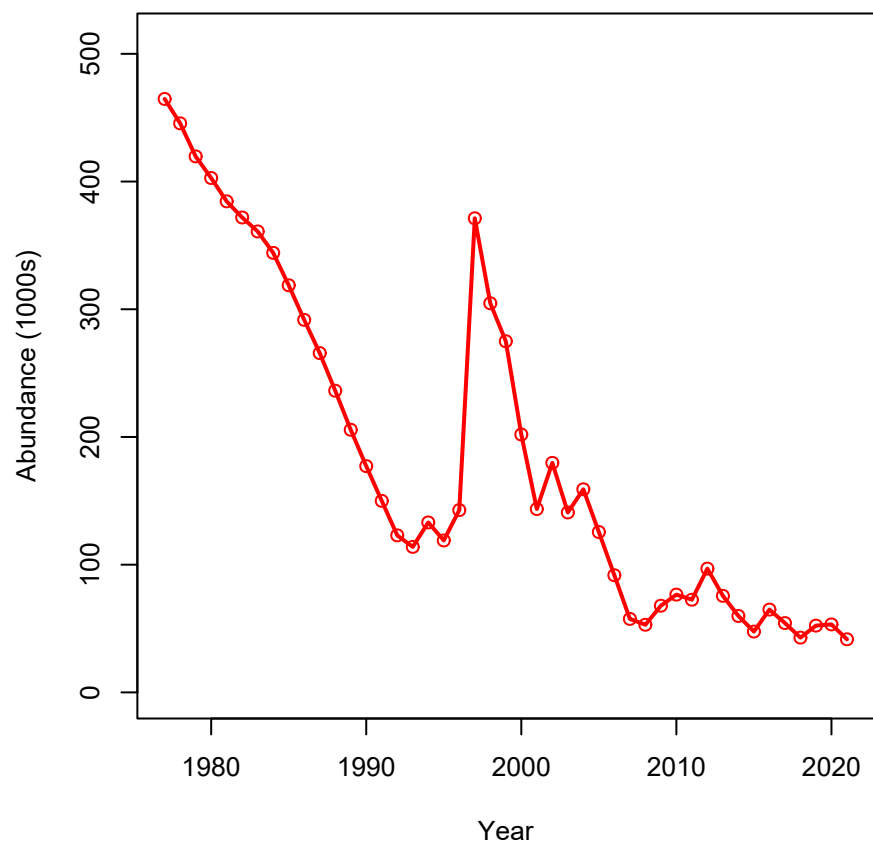
Conditional Expected and Posterior Estimates of Age 18 Abundance



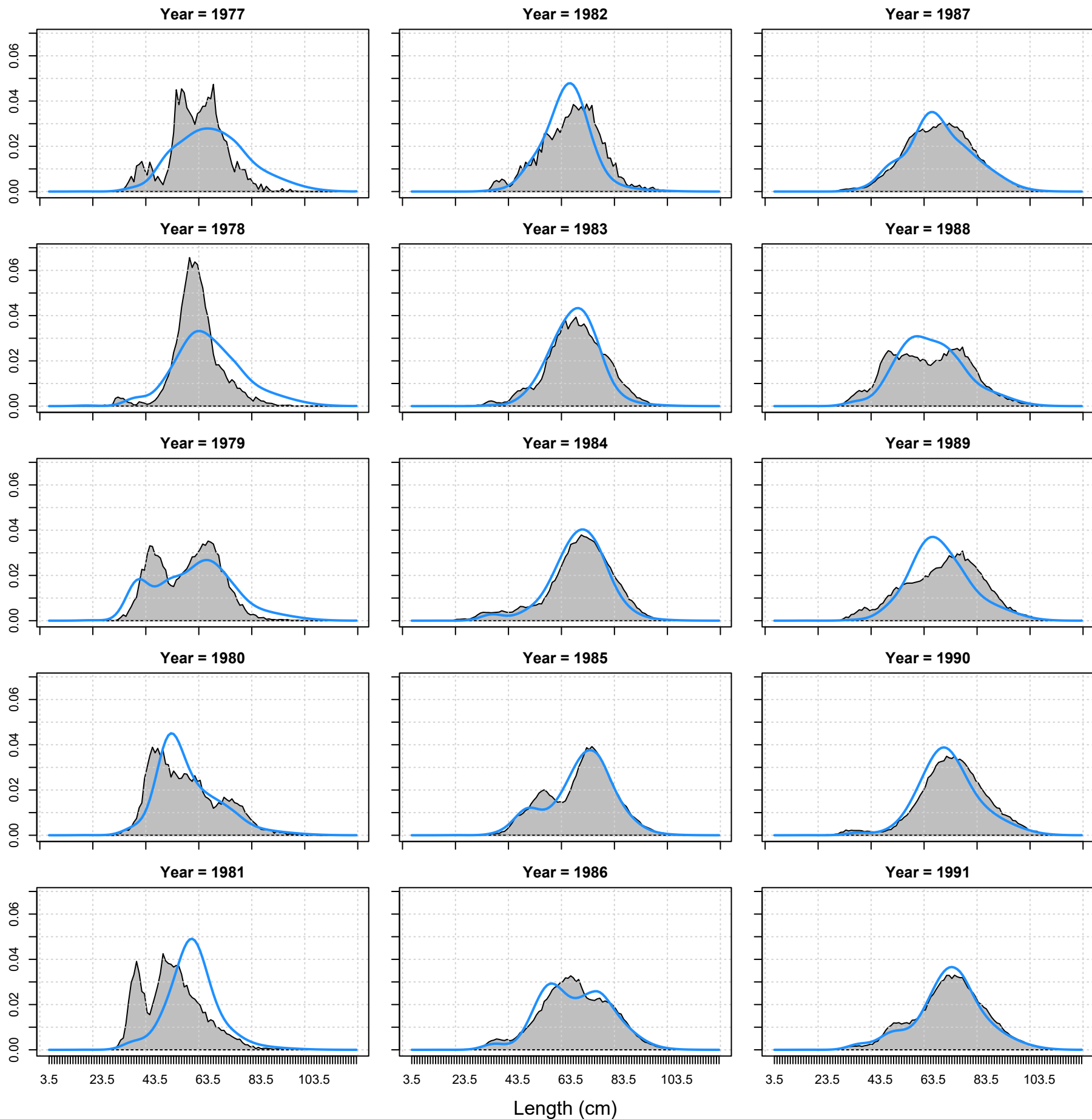
Conditional Expected and Posterior Estimates of Age 19 Abundance



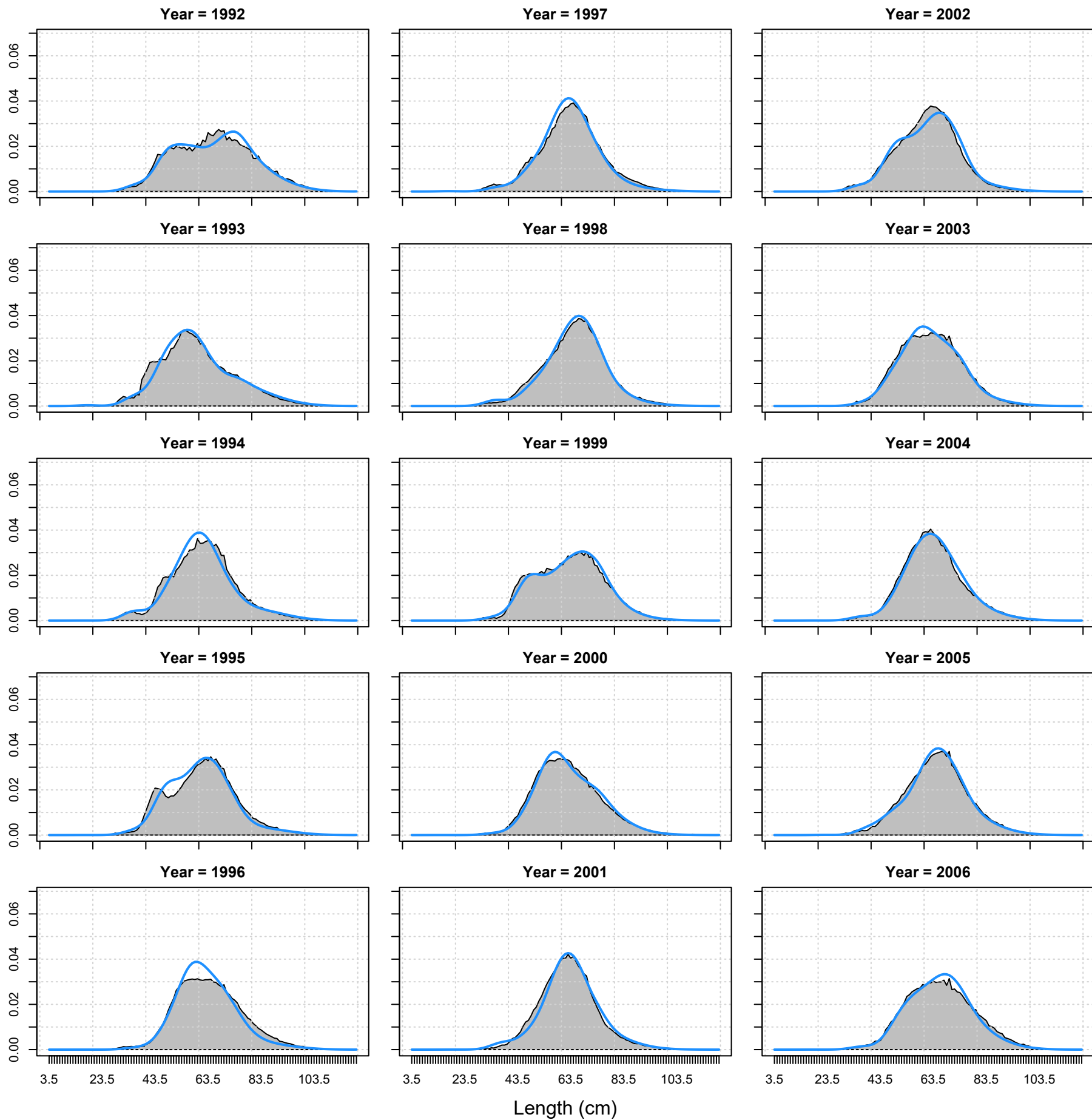
Conditional Expected and Posterior Estimates of Age 20 Abundance



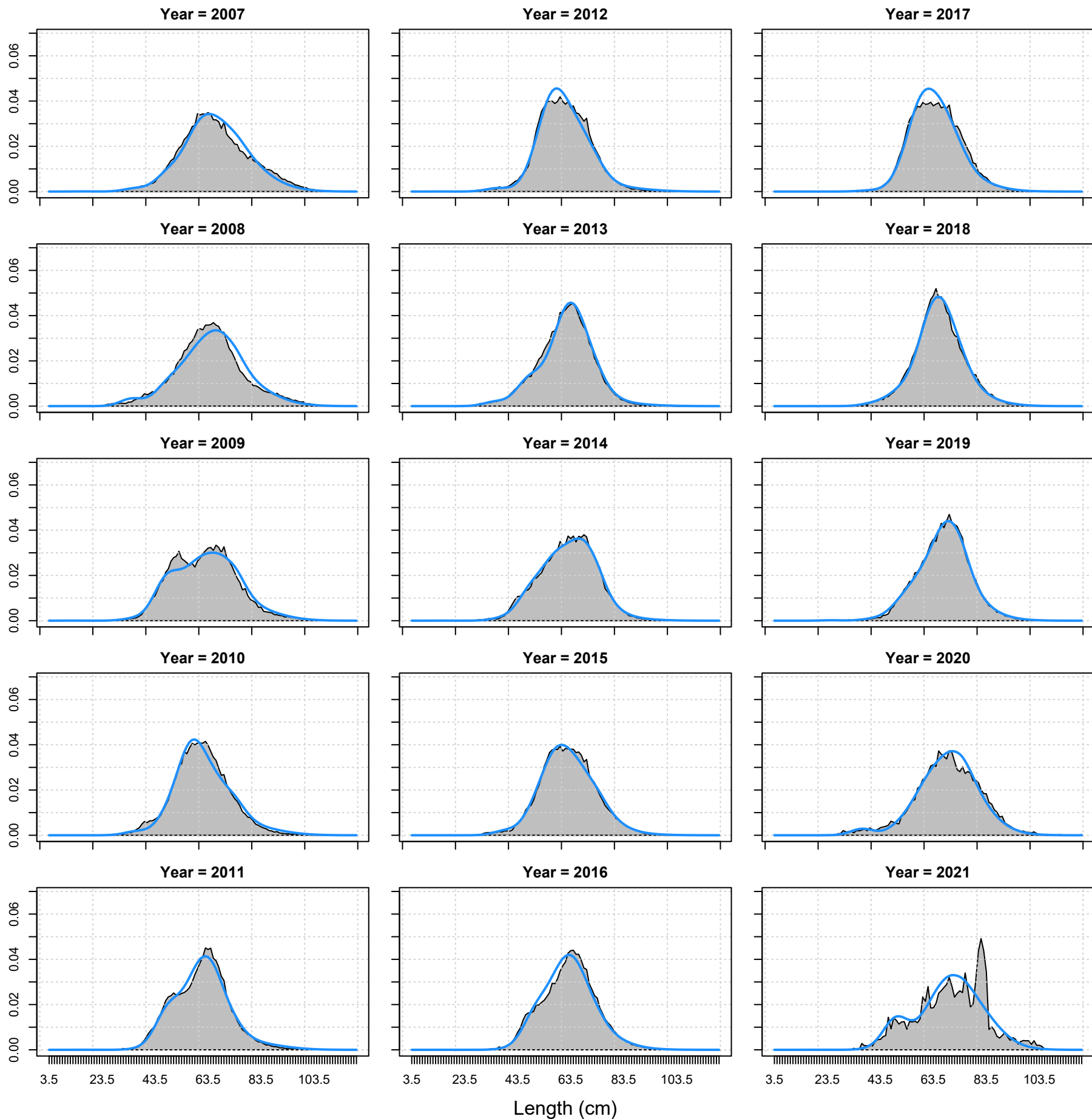
Fleet 1
Year = 1982



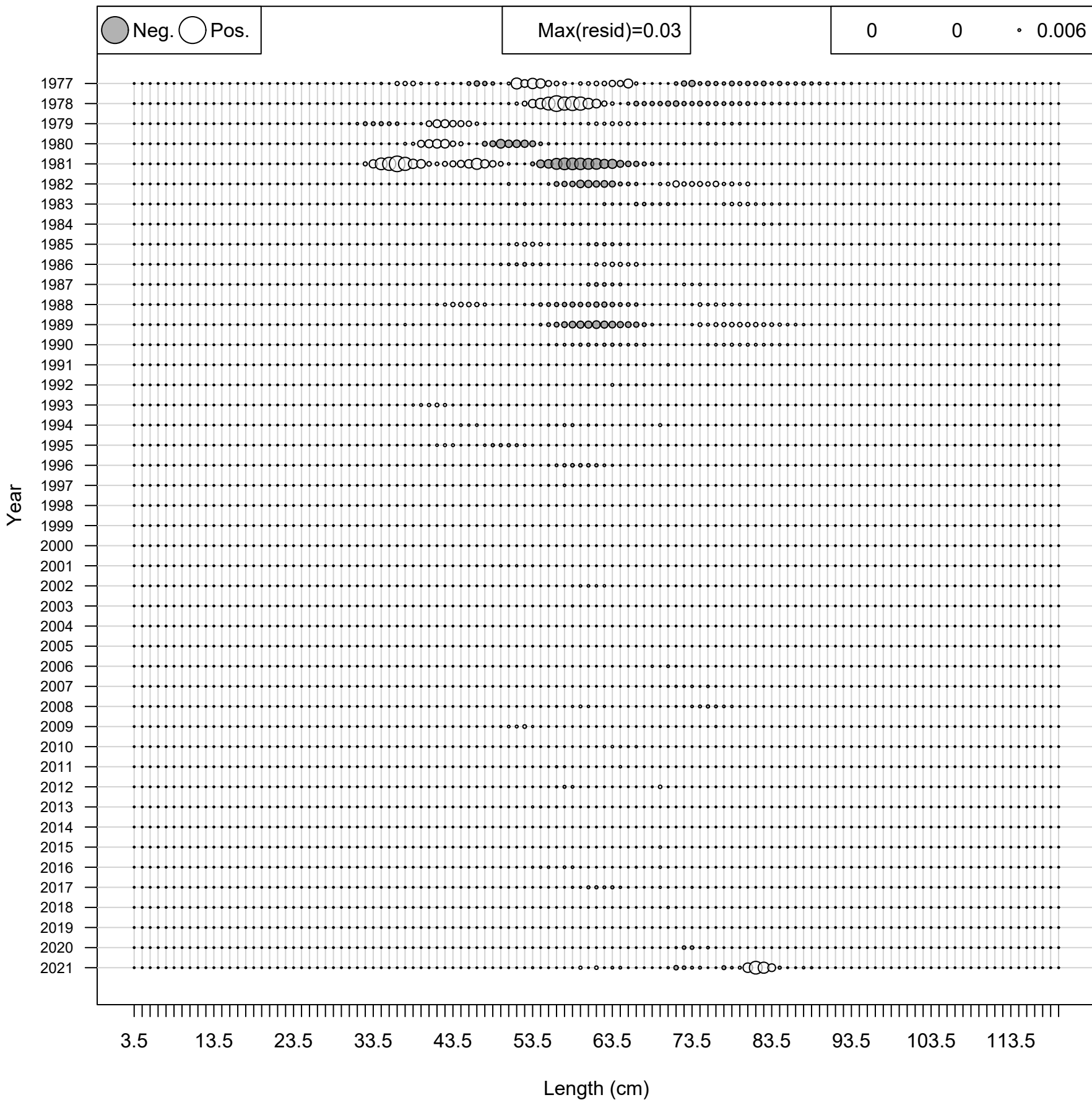
Fleet 1
Year = 1997



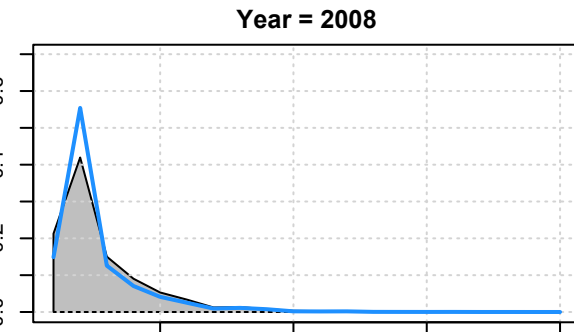
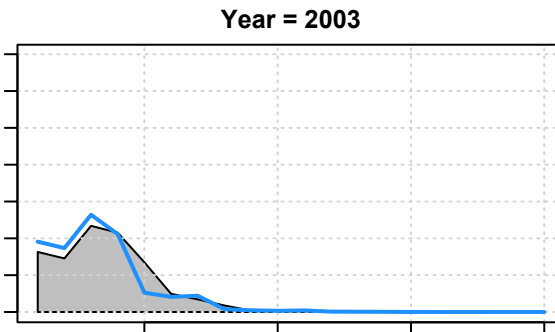
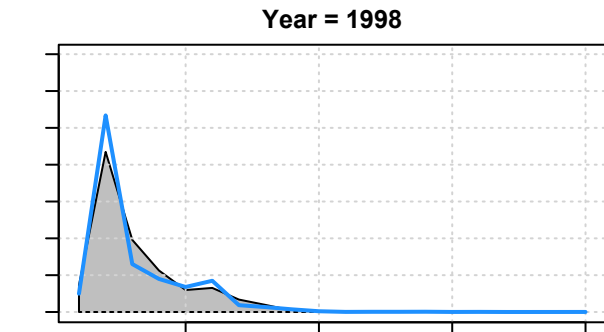
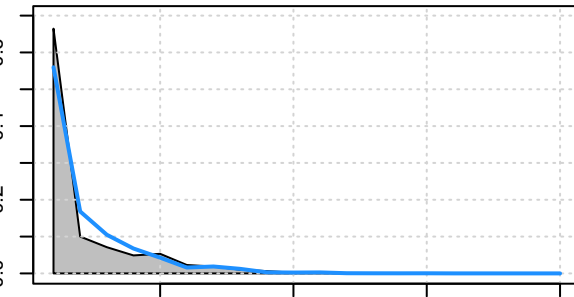
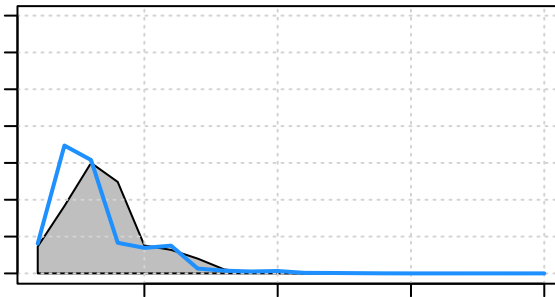
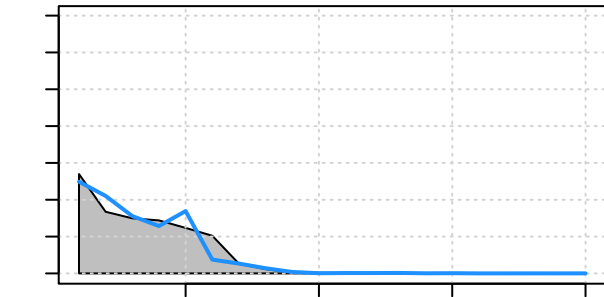
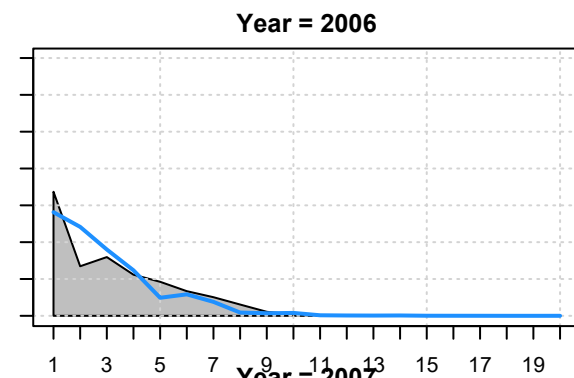
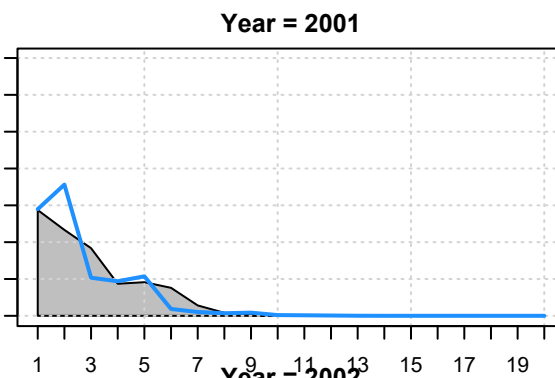
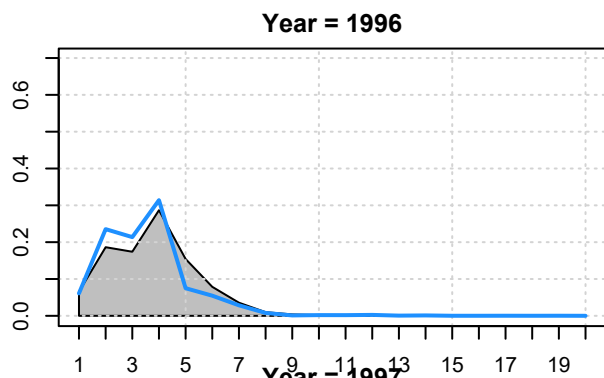
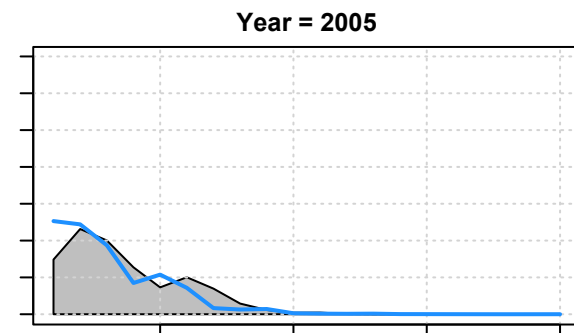
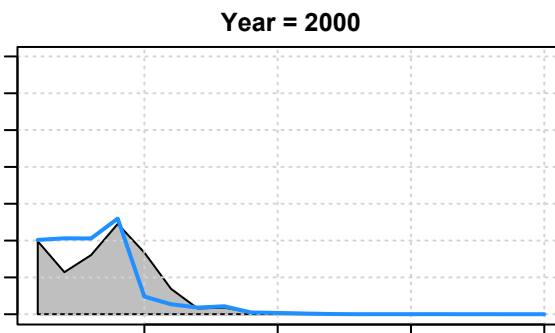
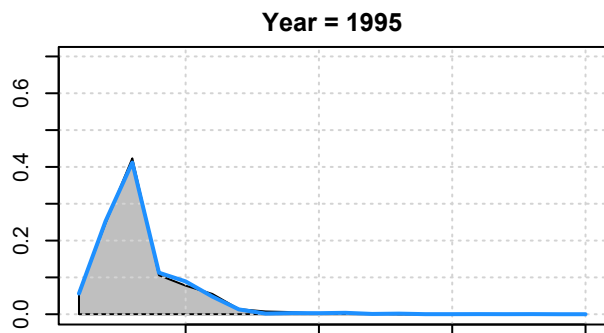
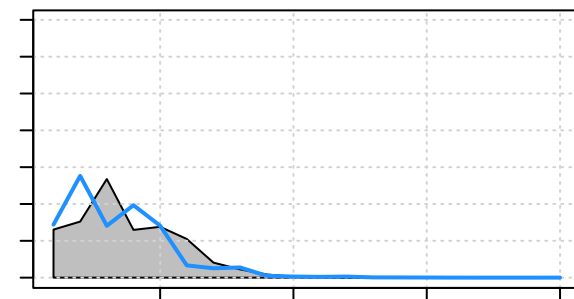
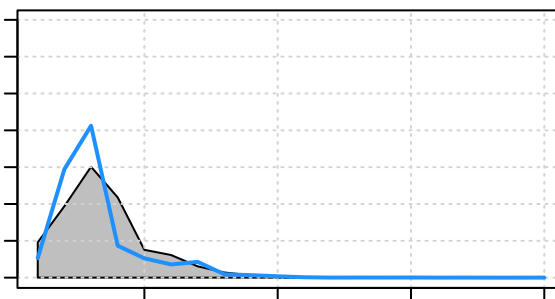
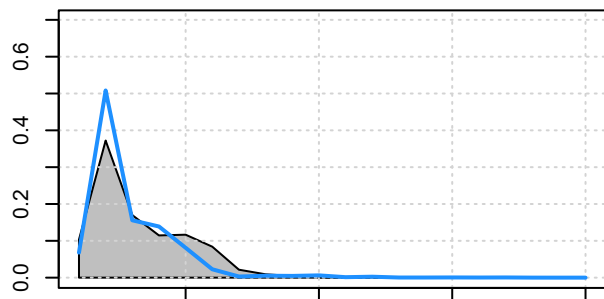
Fleet 1
Year = 2012



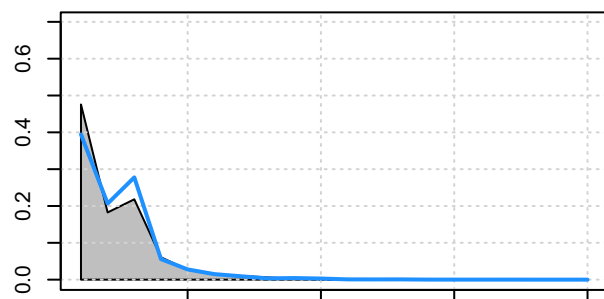
Length Comp Residuals (Observed-Predicted) for Fleet 1



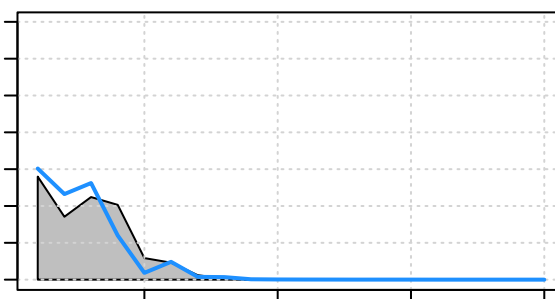
Index 1
Year = 1999



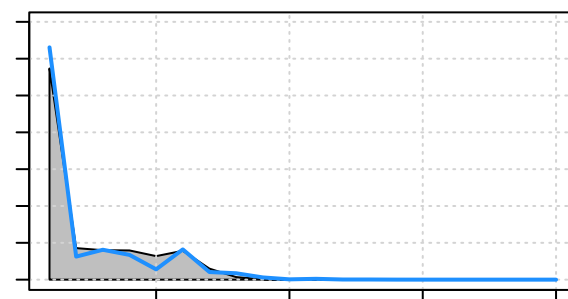
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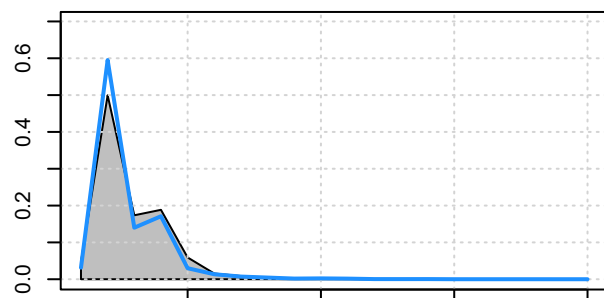
Year = 2014



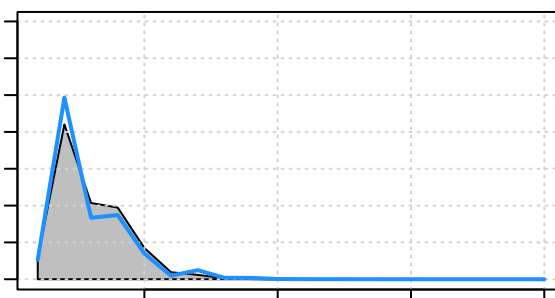
Year = 2019



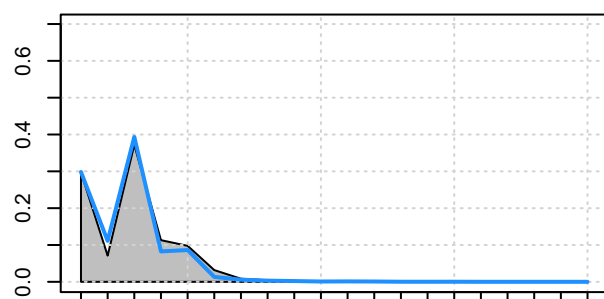
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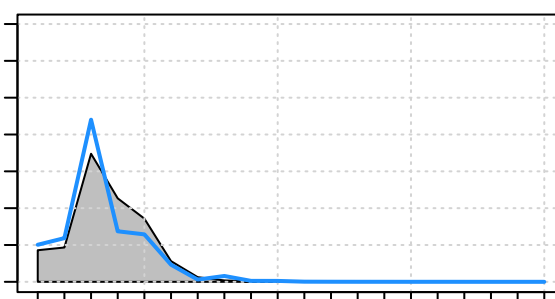
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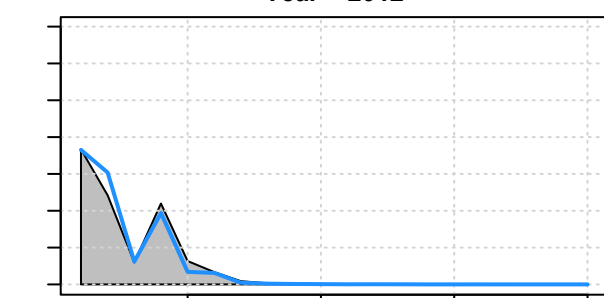
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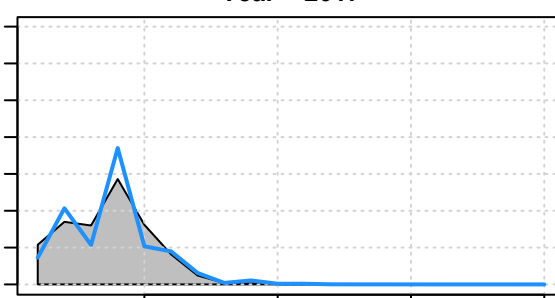
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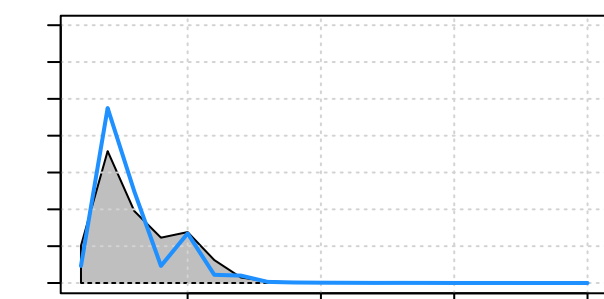
Year = 2012



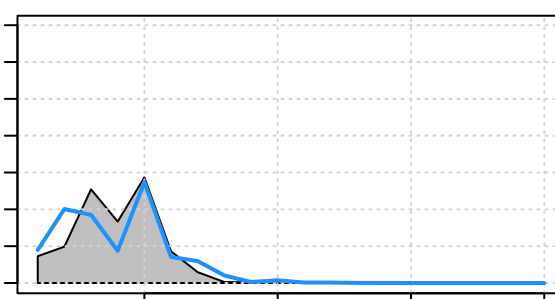
Year = 2017



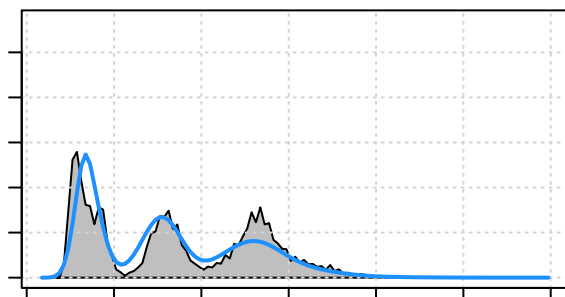
Year = 2013



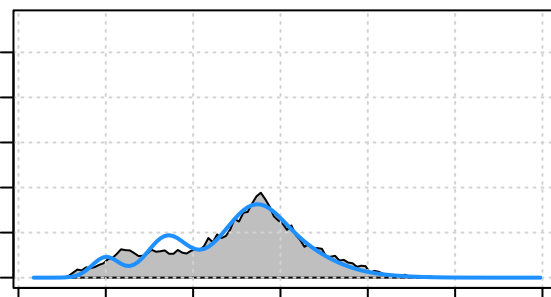
Year = 2018



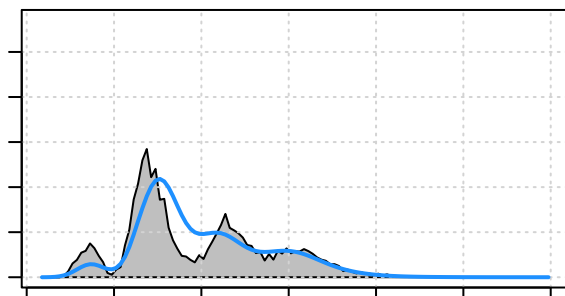
Year = 2012



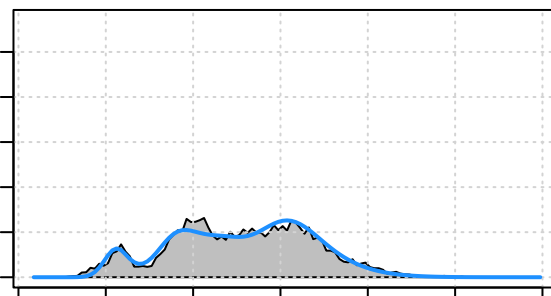
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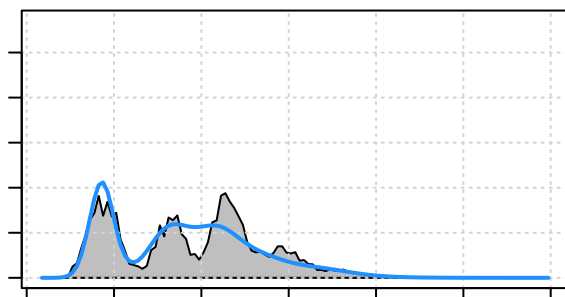
Year = 2013



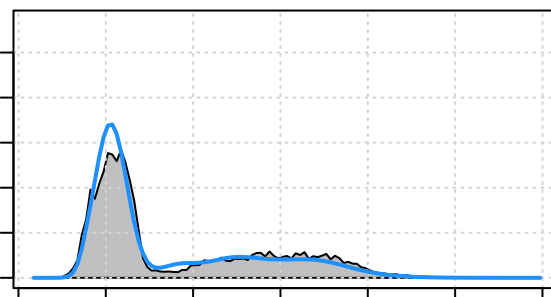
Year = 2018



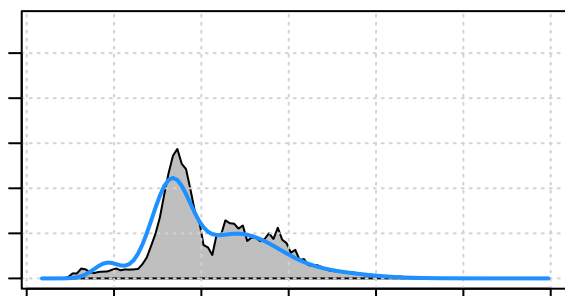
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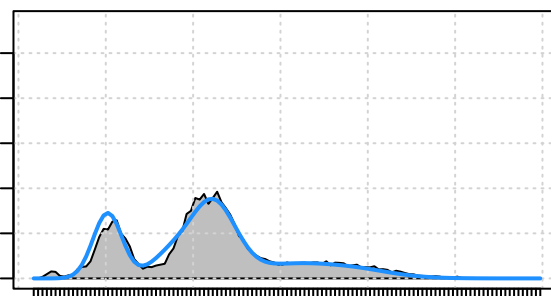
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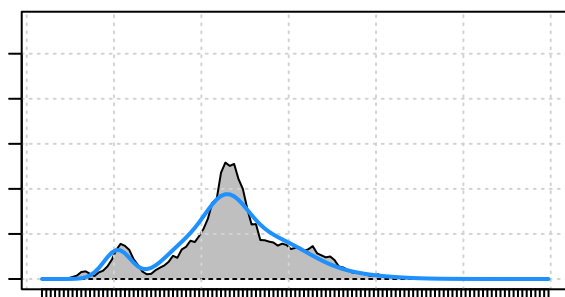
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Year = 2021



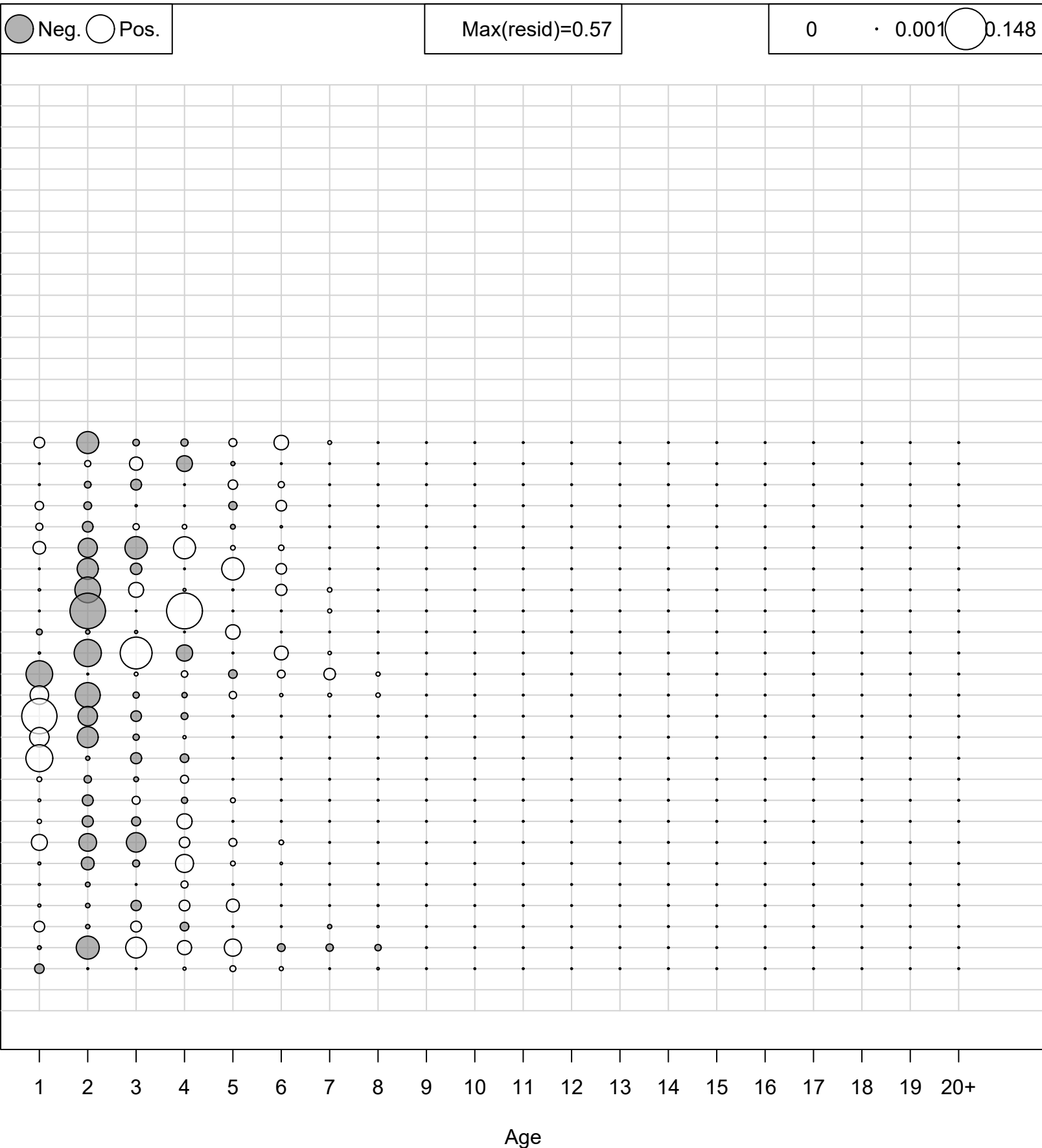
Year = 2016



3.5 23.5 43.5 63.5 83.5 103.5

3.5 23.5 43.5 63.5 83.5 103.5

Age Comp Residuals (Observed-Predicted) for Index 1



Length Comp Residuals (Observed-Predicted) for Index 1

