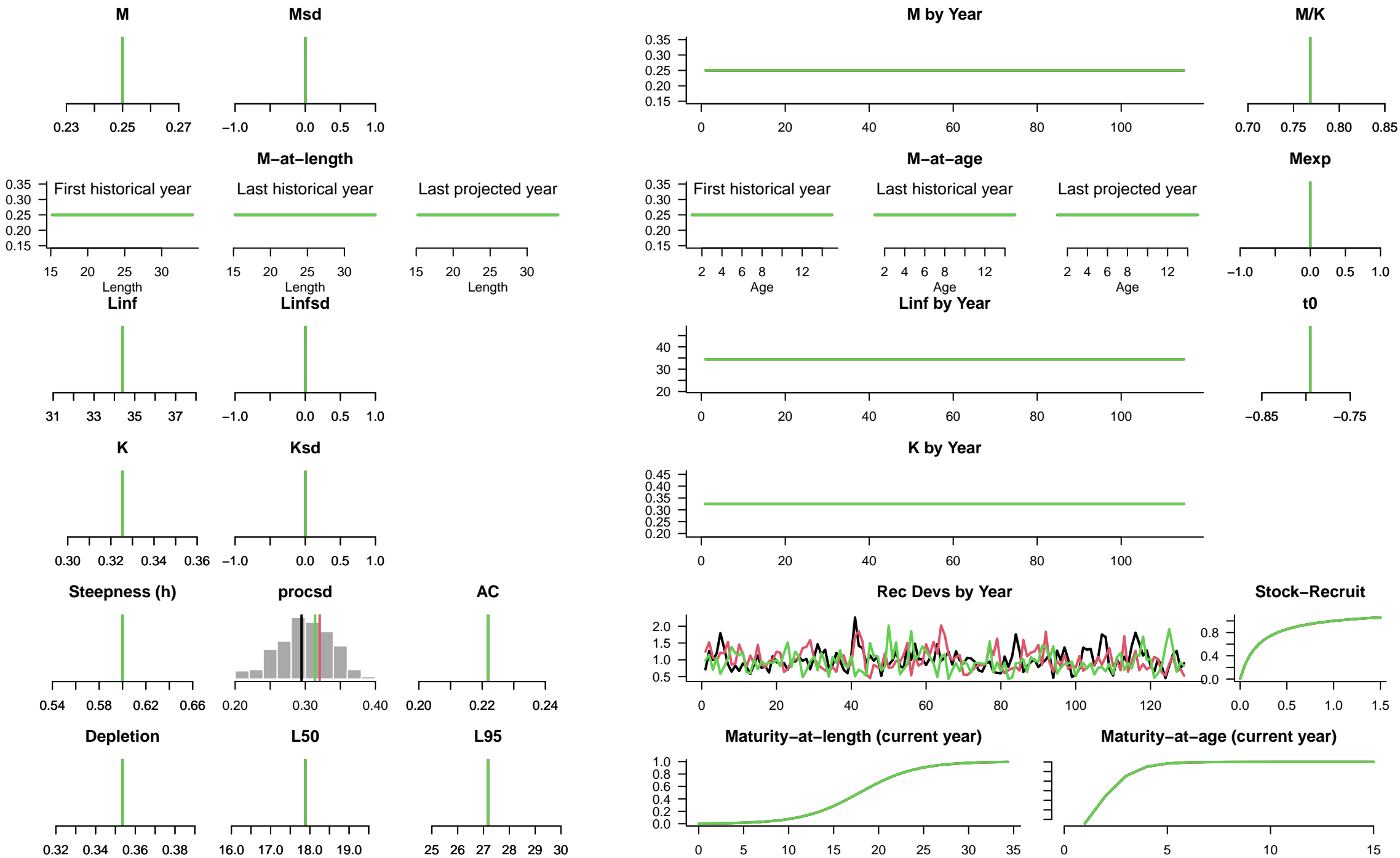
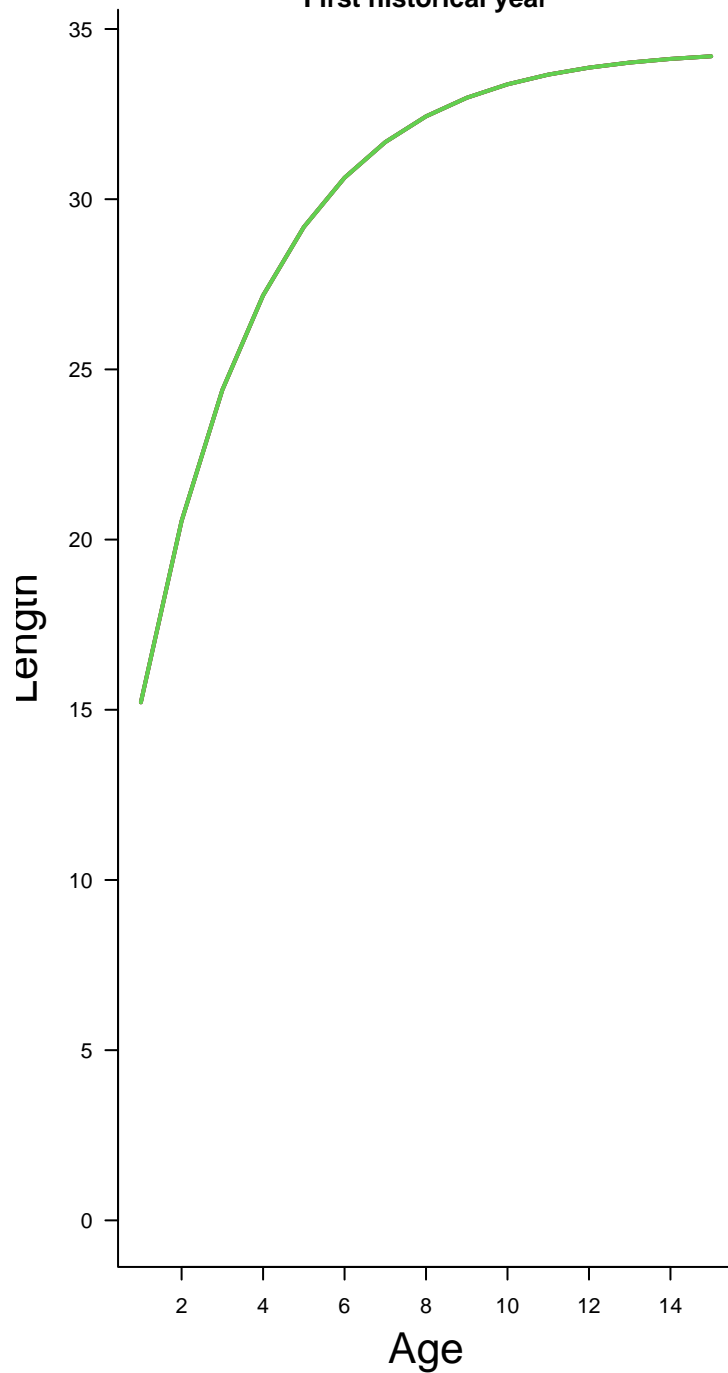


nyears = 65   proyears = 50   3 sampled iterations

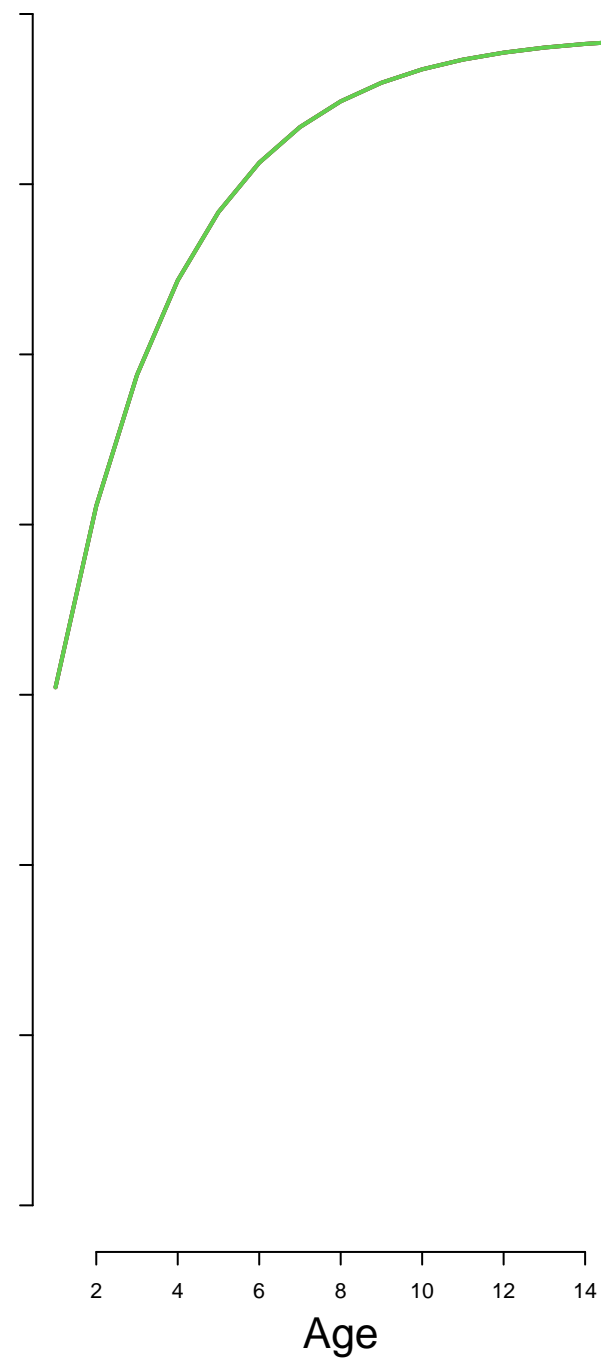


## Sampled length-at-age curves

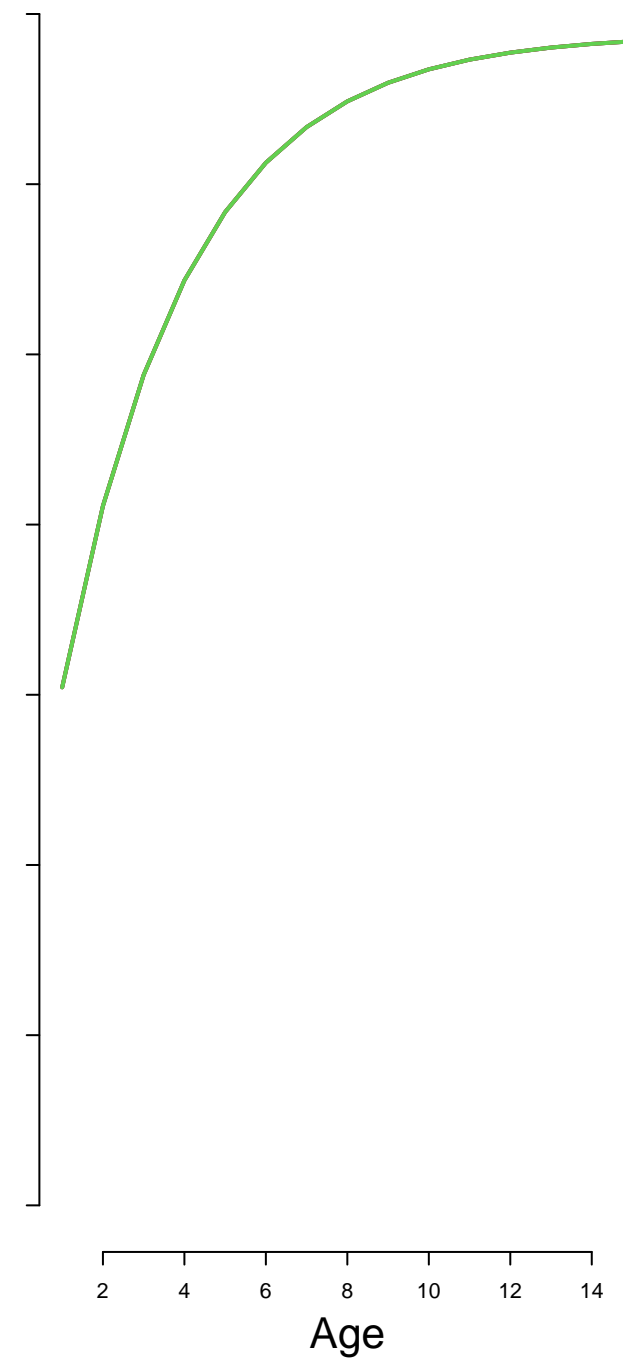
First historical year



Last historical year



Last projected year



**Fleet: NA Stock:**

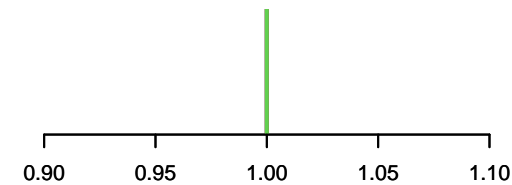
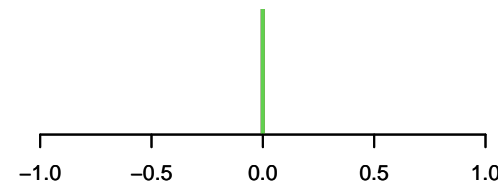
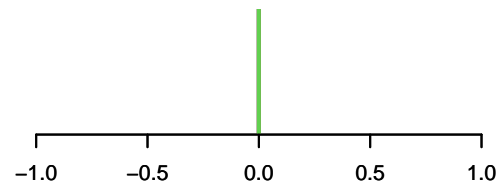
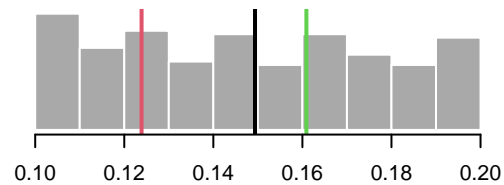
nyears = 65   proyyears = 50   3 sampled iterations

**Esd**

**qinc**

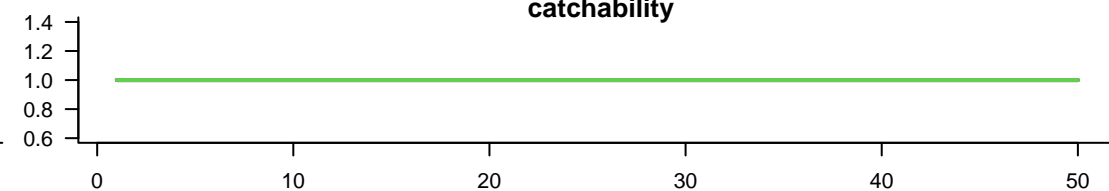
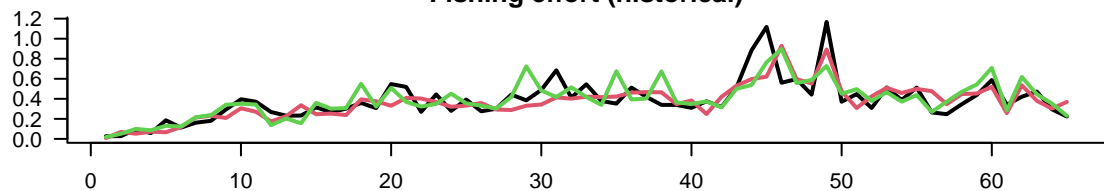
**qcv**

**Spat\_targ**



**Fishing effort (historical)**

**Change in future catchability**

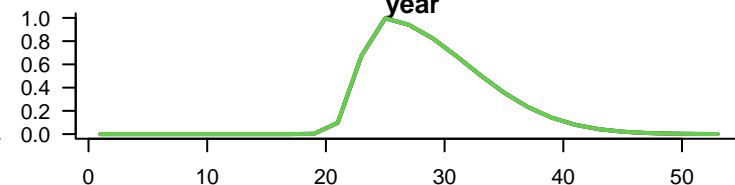
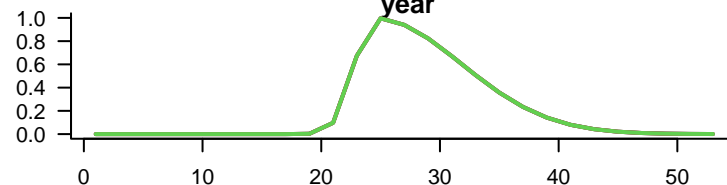
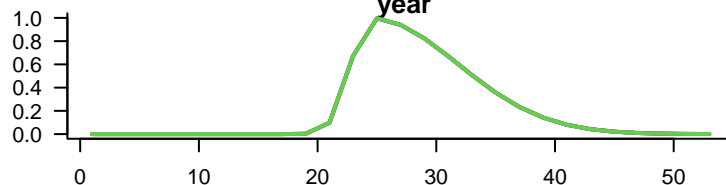


**Selectivity-at-length**

**First historical year**

**Last historical year**

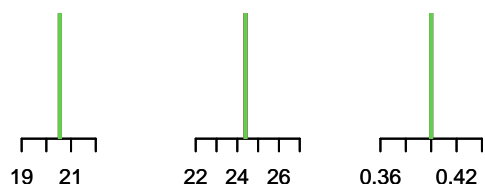
**Last projected year**



**L5**

**LFS**

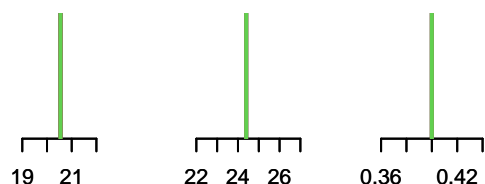
**Vmaxlen**



**L5**

**LFS**

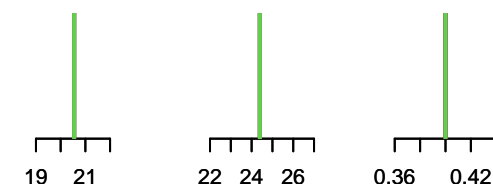
**Vmaxlen**



**L5**

**LFS**

**Vmaxlen**

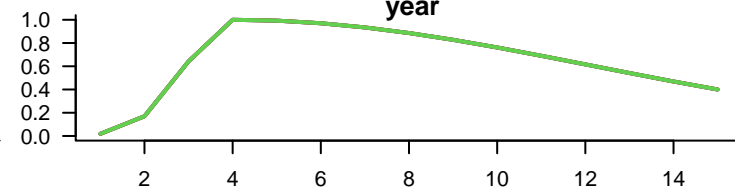
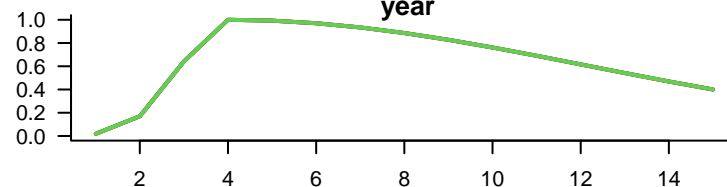
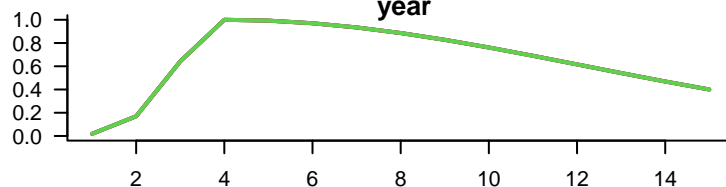


**Selectivity-at-age**

**First historical year**

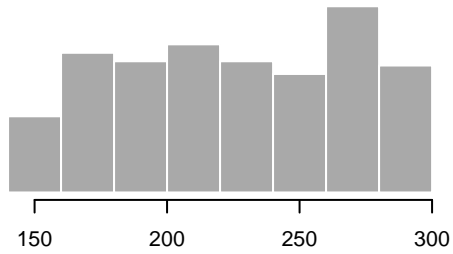
**Last historical year**

**Last projected year**

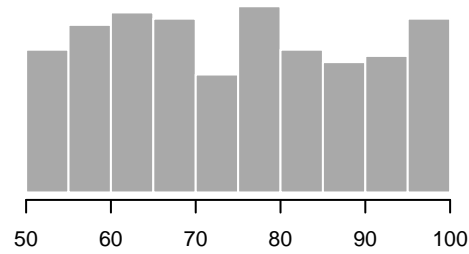


## Observation biases and sample sizes for observation object NA

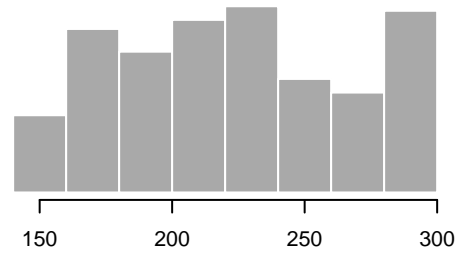
No. annual catch-at-age obs (CAA\_san



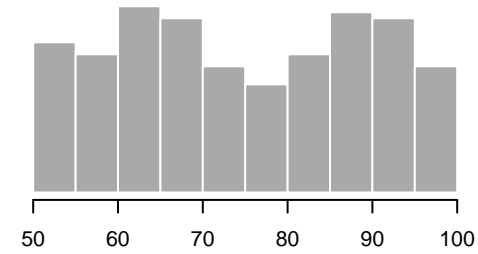
Effective sample size CAA obs (CAA\_Es



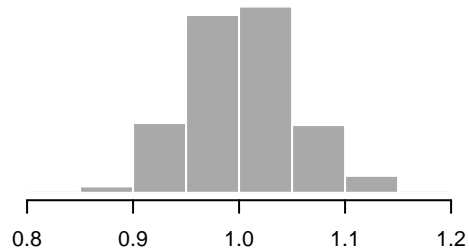
No. annual catch-at-length obs (CAL\_sa



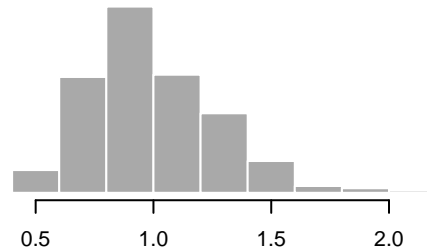
Effective sample size CAL obs (CAL\_Es



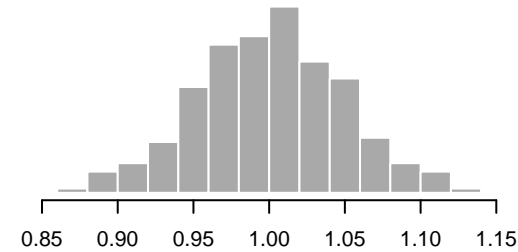
Natural mortality rate bias (Mbias)



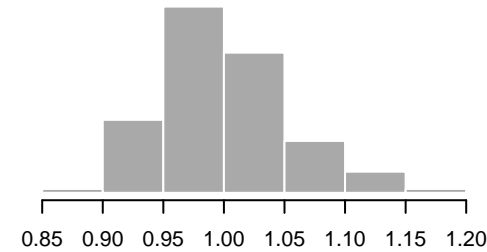
FMSY/M bias (FMSY\_Mbias)



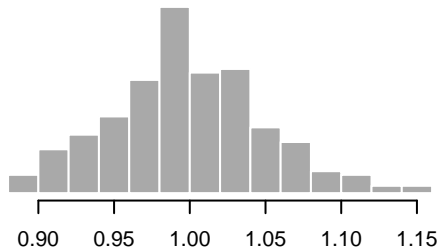
Bias in length at maturity (lenMbias)



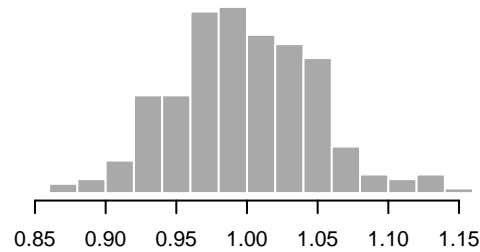
Bias in length at first capture (LFCbias)



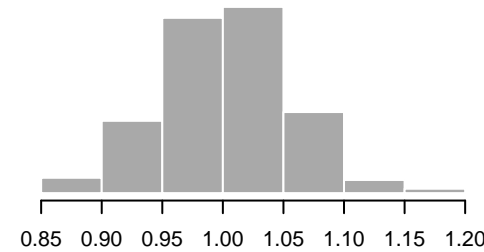
Bias in length at full selection (LFSbia



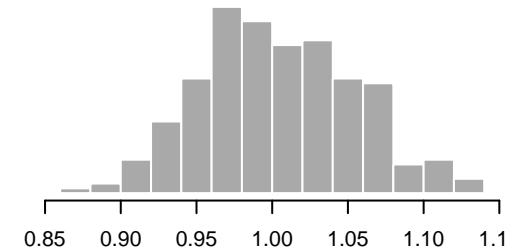
Bias in von B. K (Kbias)



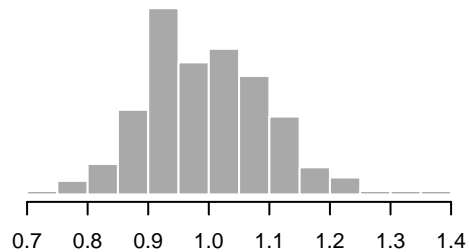
Bias in von B. t0 (t0bias)



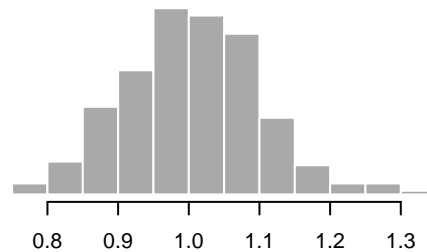
Bias in von B. Linf (Linfbias)



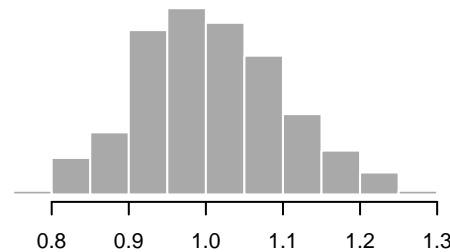
Bias in index at MSY (Irefbias)



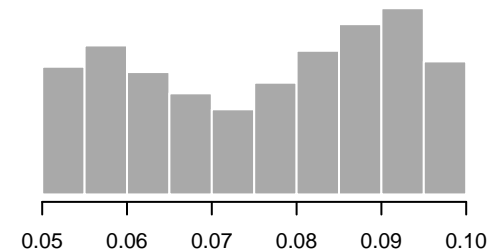
Bias in MSY catch (Crefbias)



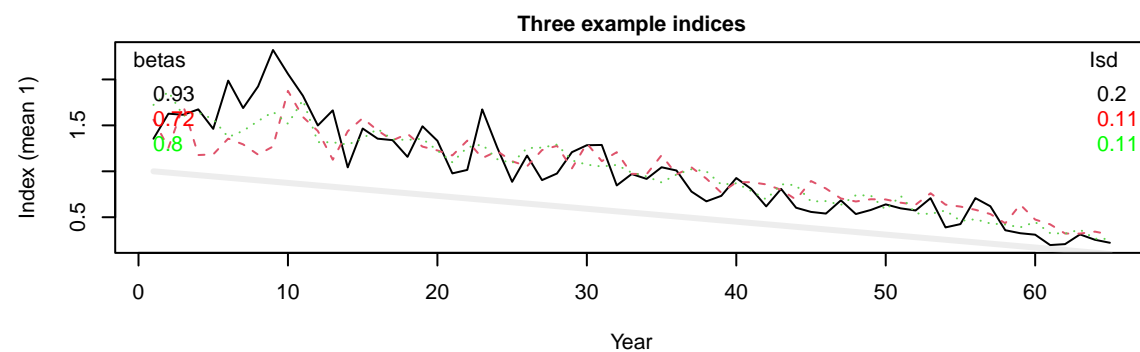
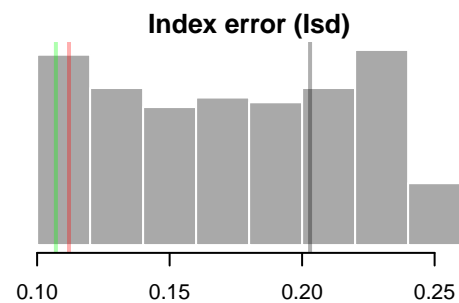
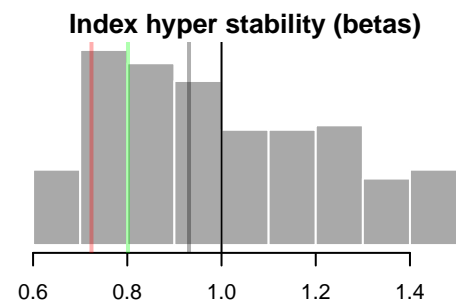
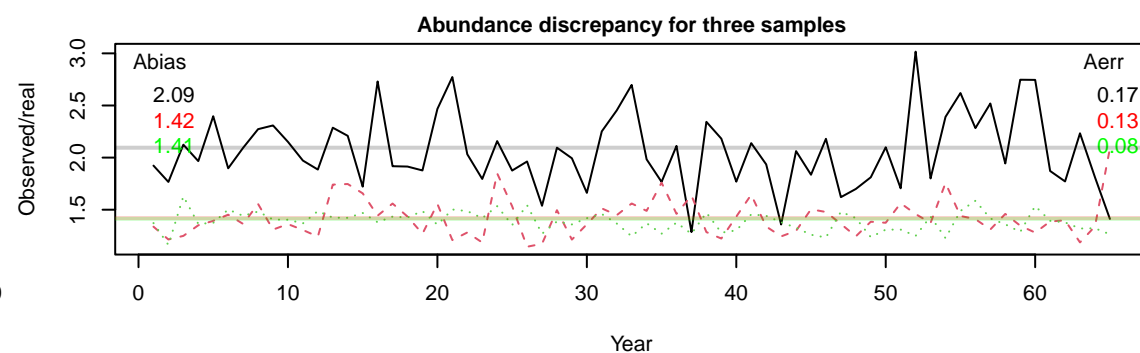
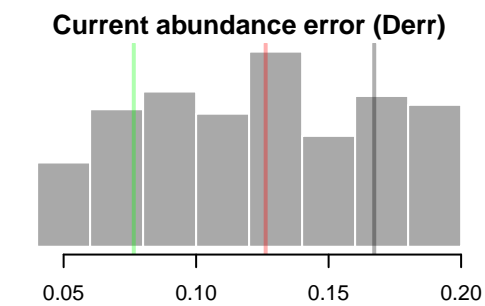
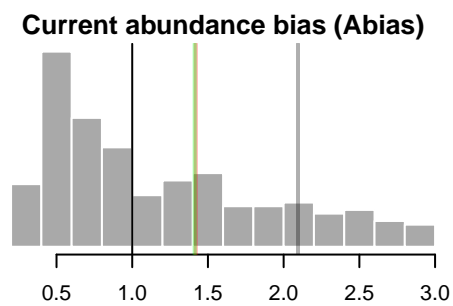
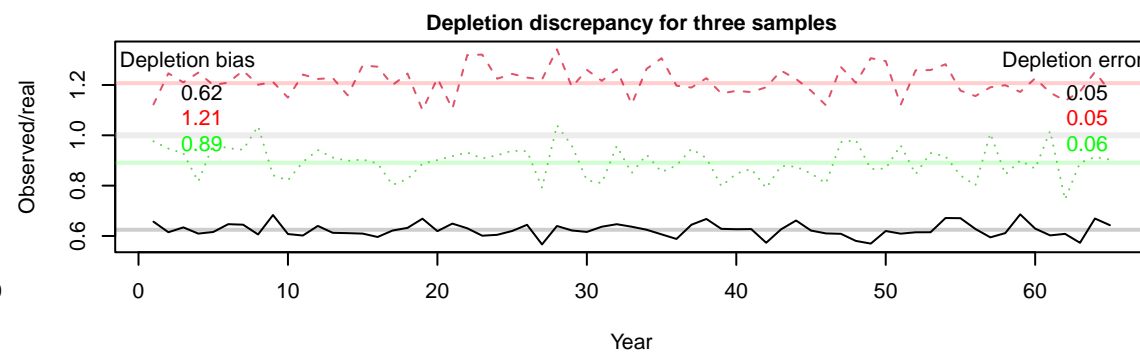
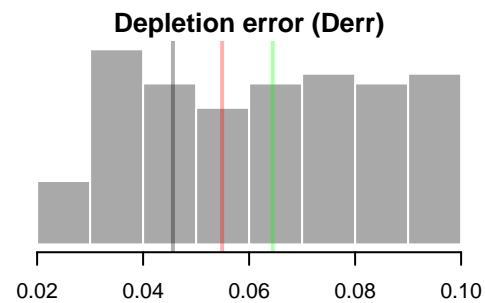
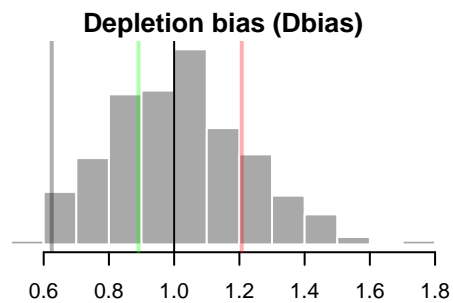
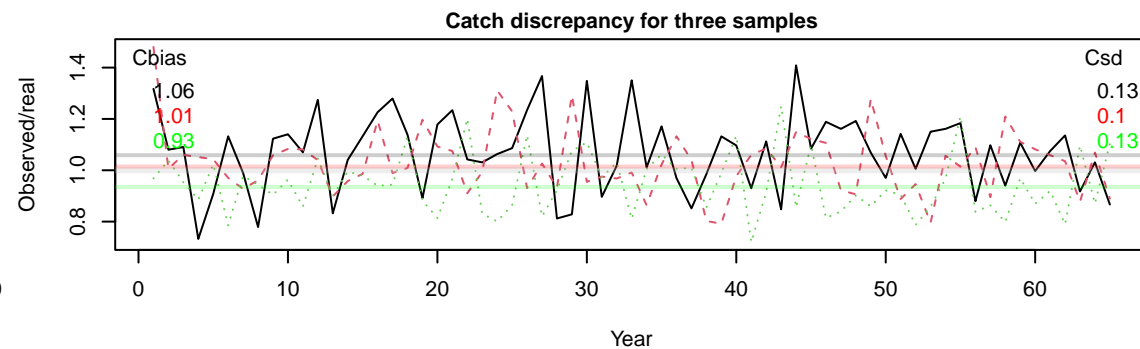
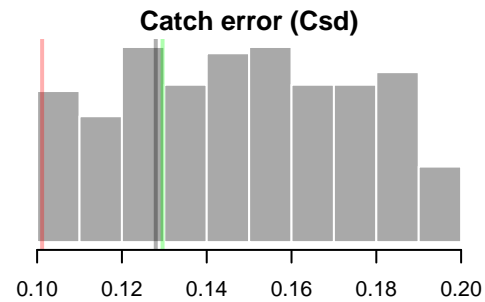
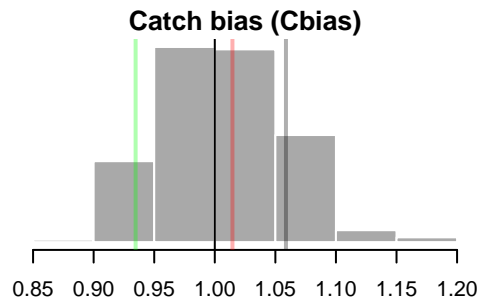
Bias in MSY biomass (Brefbias)



Bias in recent recruitment strength (Rec

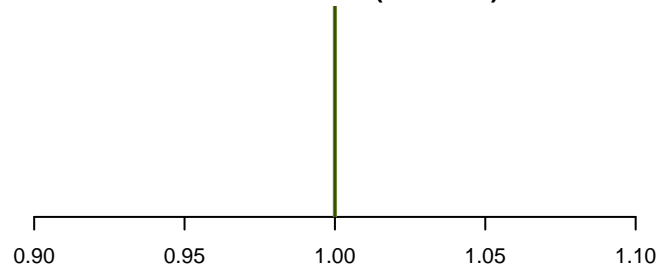


## Observation time series plots for observation object

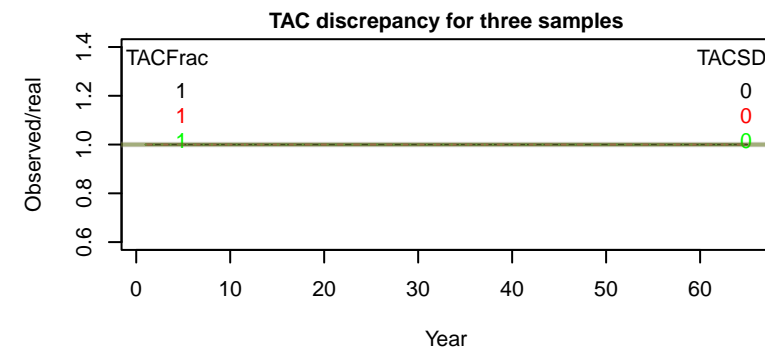
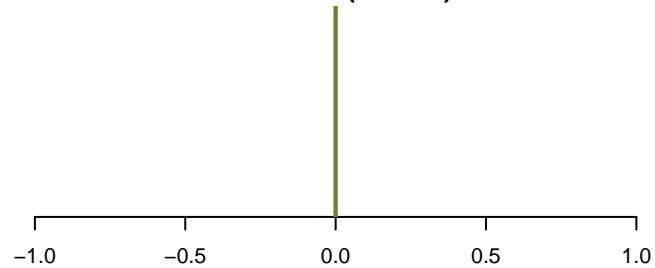


# Implementation error time series plots for implementation object NA

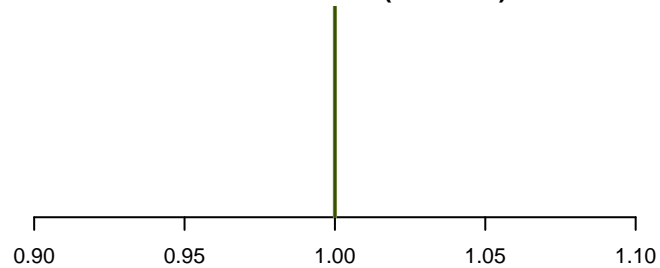
Fraction of TAC (TACFrac)



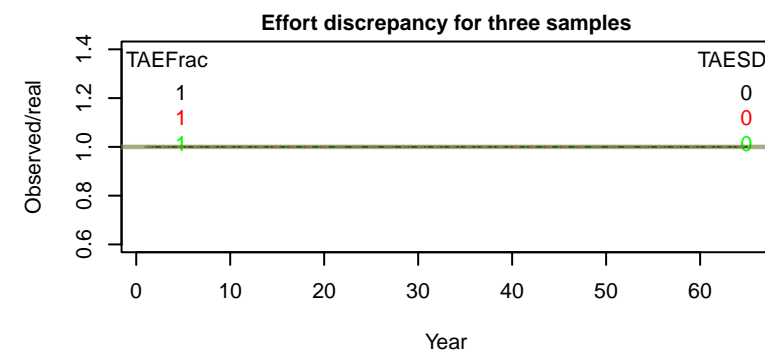
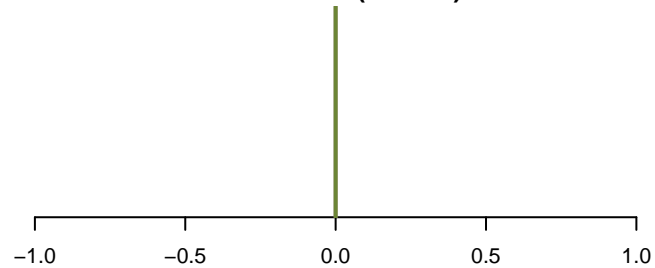
TAC error (TACSD)



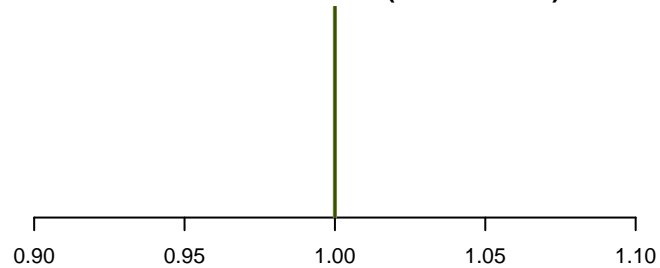
Fraction of effort (TAEFrac)



Effort error (TAESD)



Fraction of Size Limit (SizeLimFrac)



Size Limit error (SizeLimSD)

