

Annex D

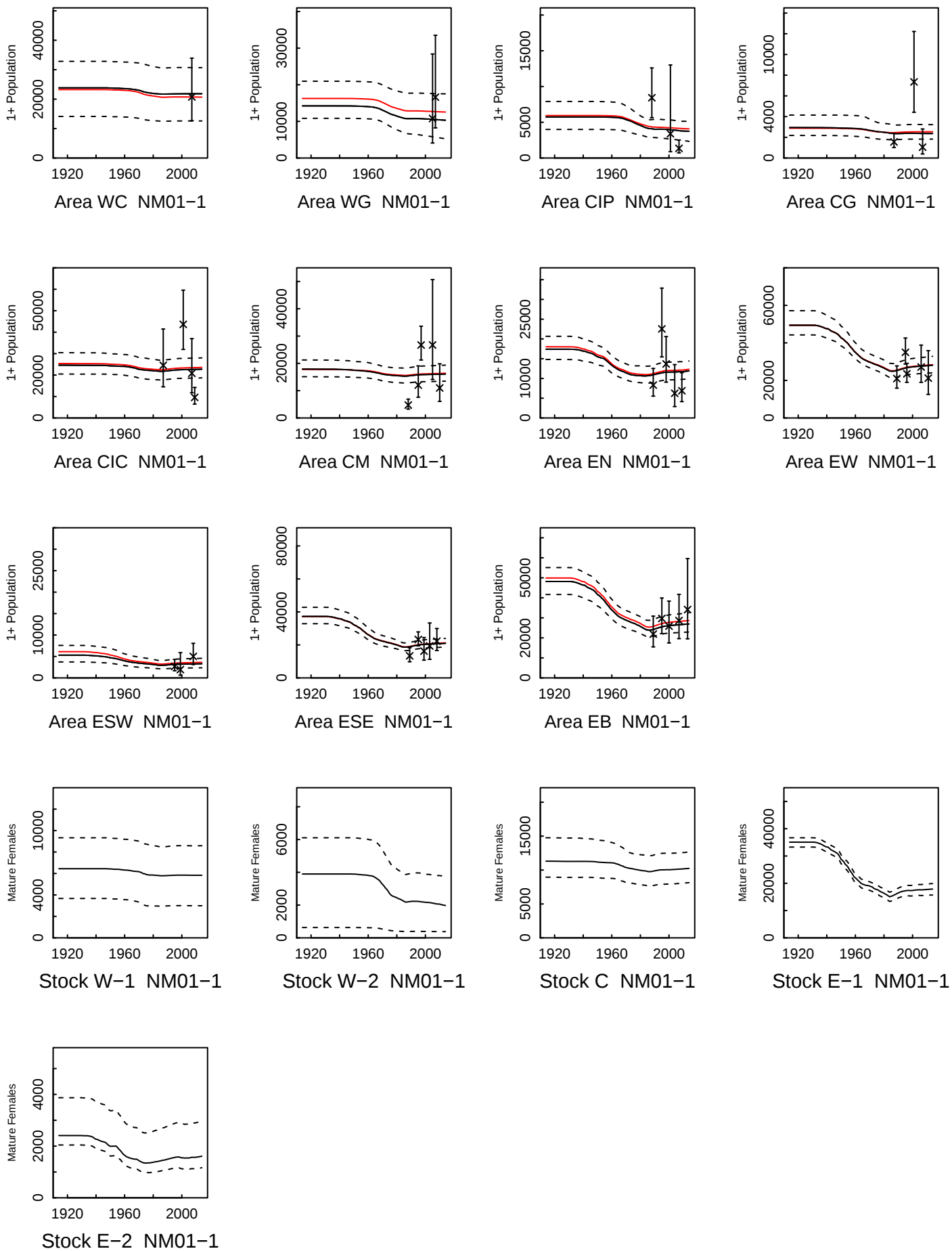
Base Case and Other Conditioning Results (work in progress)

Plots are given showing the conditioning results for the base case trials showing:

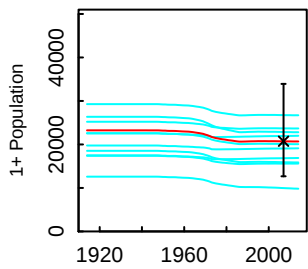
- (i) the abundance estimates and their 90% confidence intervals for each sub-area, the fit of the model to the actual data ('deterministic'; solid red lines), and the median and 90% intervals from the 100 replicates (solid black and dashed lines respectively);
- (ii) the 100 time-trajectories of the 1+ population by subarea together with the abundance estimates and their 90% confidence intervals and the fit of the model to the actual data ('deterministic'; solid red lines); and
- (iii) the original and survey sex ratios.

Plots are also given summarising the conditioning results for the other trials.

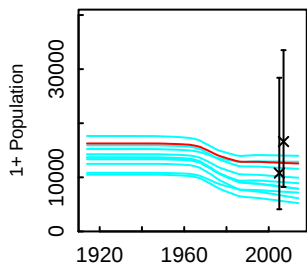
NM01-1; Median & 90%ile 1+ populations by sub-area + Mature females by stock



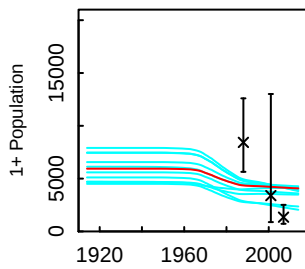
NM01-1; 10 Trajectories + deterministic



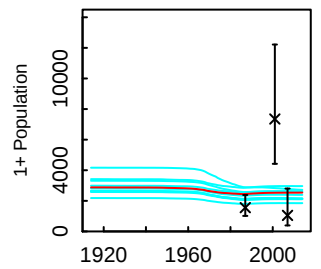
Area WC NM01-1



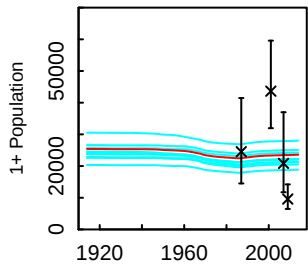
Area WG NM01-1



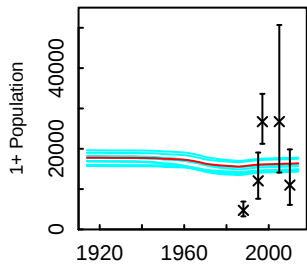
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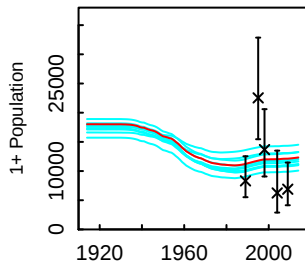
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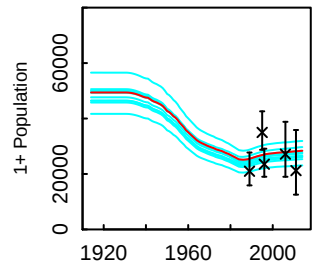
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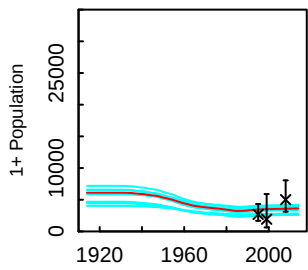
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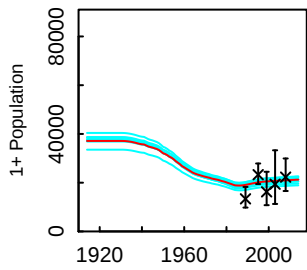
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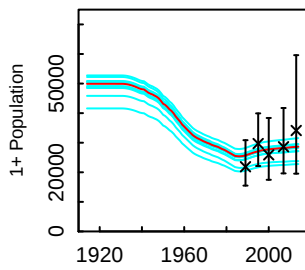
Area EW NM01-1



Area ESW NM01-1

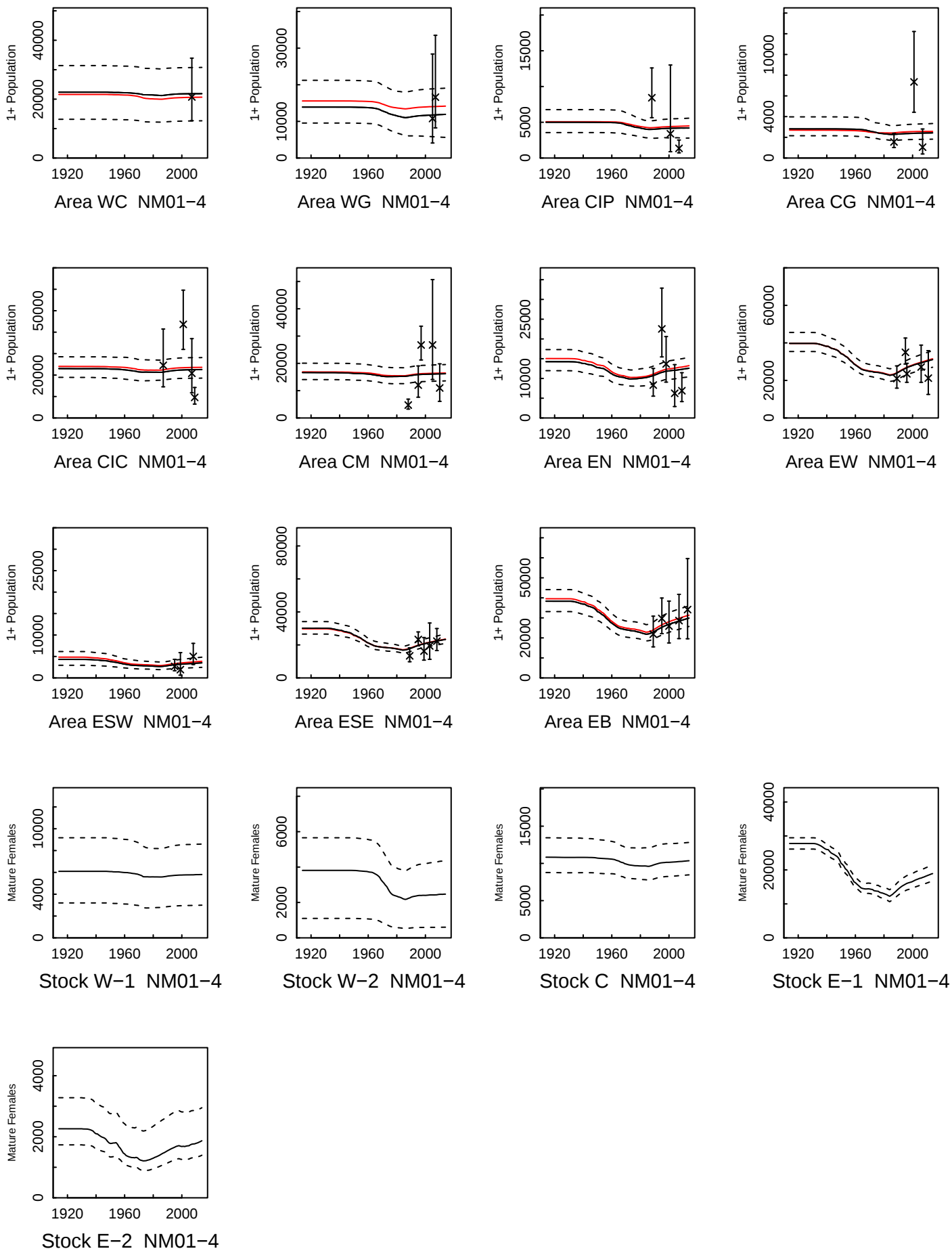


Area ESE NM01-1

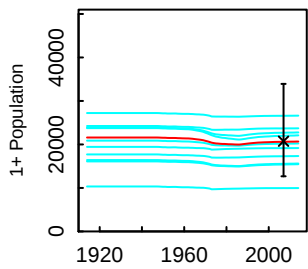


Area EB NM01-1

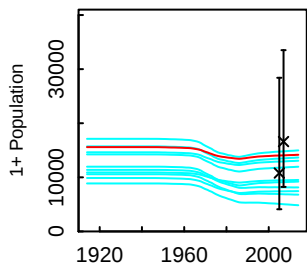
NM01-4; Median & 90%ile 1+ populations by sub-area + Mature females by stock



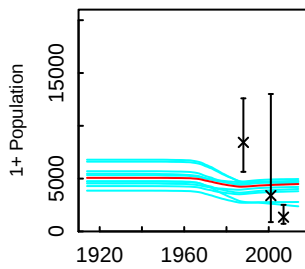
NM01-4; 10 Trajectories + deterministic



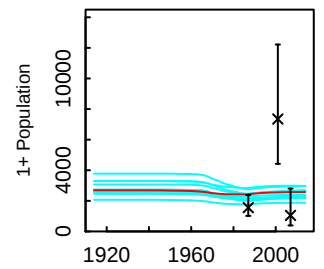
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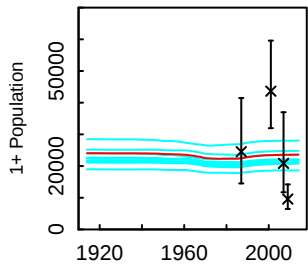
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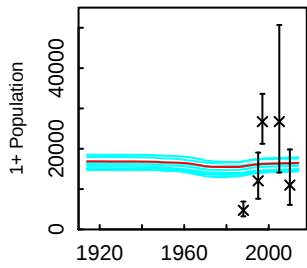
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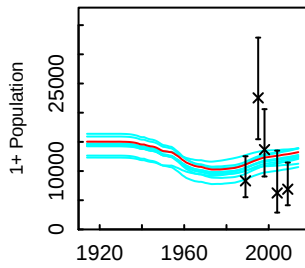
Area CG NM01-4



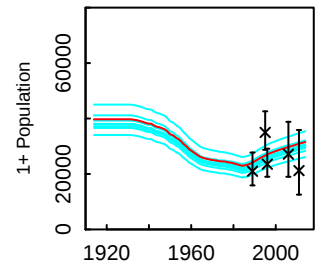
Area CIC NM01-4



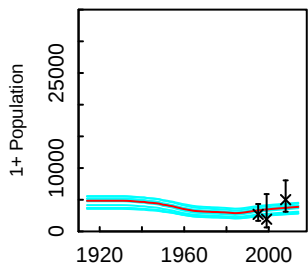
Area CM NM01-4



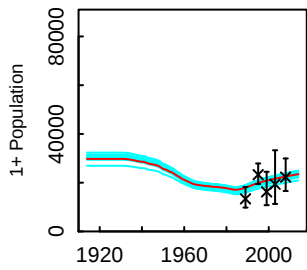
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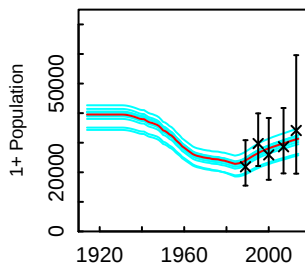
Area EW NM01-4



Area ESW NM01-4

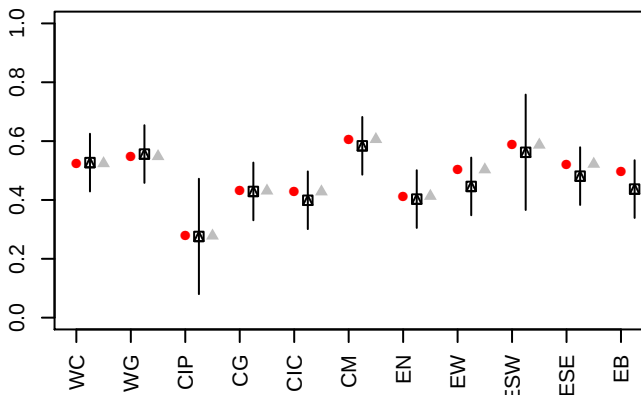


Area ESE NM01-4

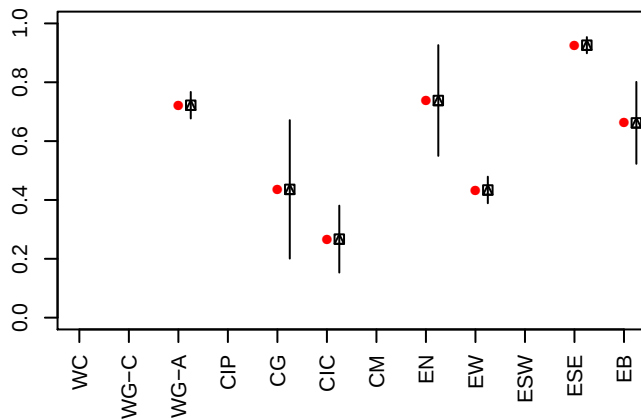


Area EB NM01-4

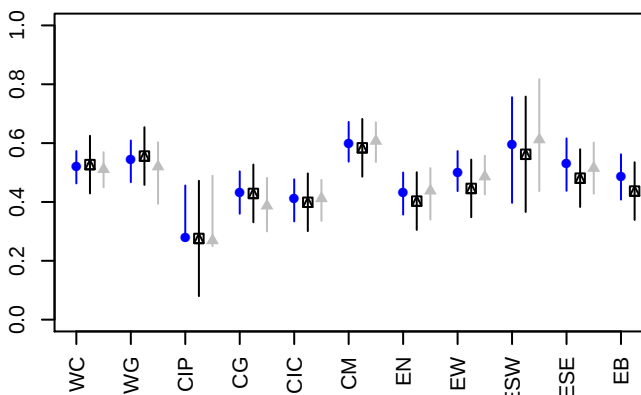
NM01-1 Original (Deterministic)



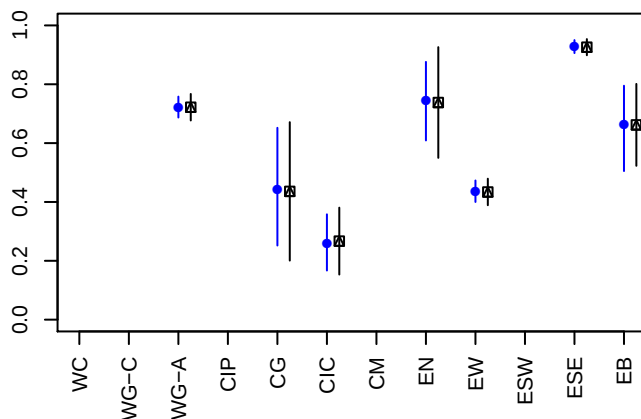
NM01-1 Fishery (Deterministic)



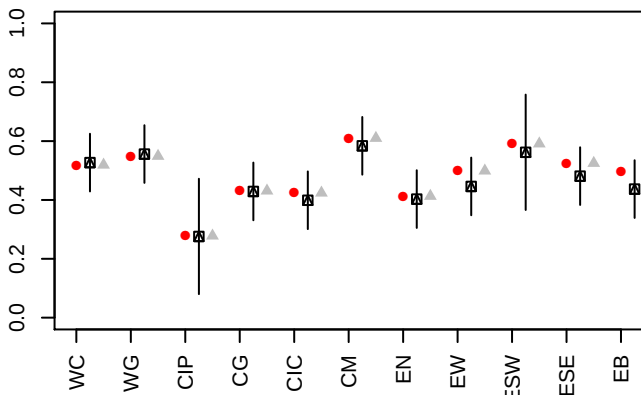
NM01-1 Original



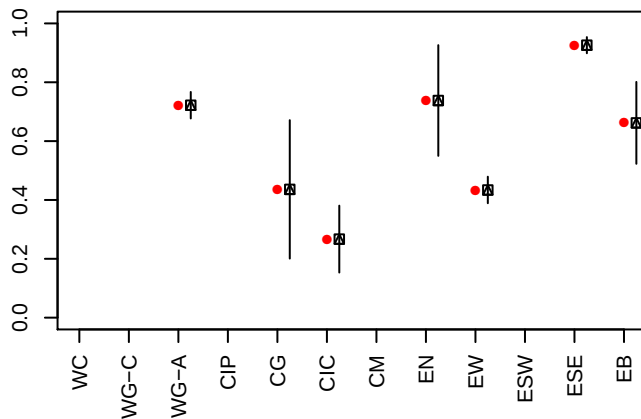
NM01-1 Fishery



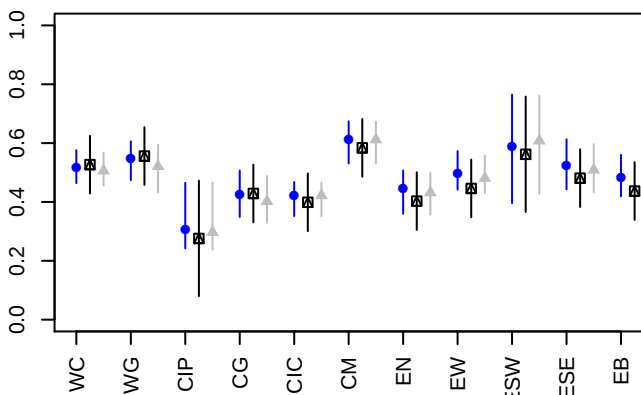
NM01-4 Original (Deterministic)



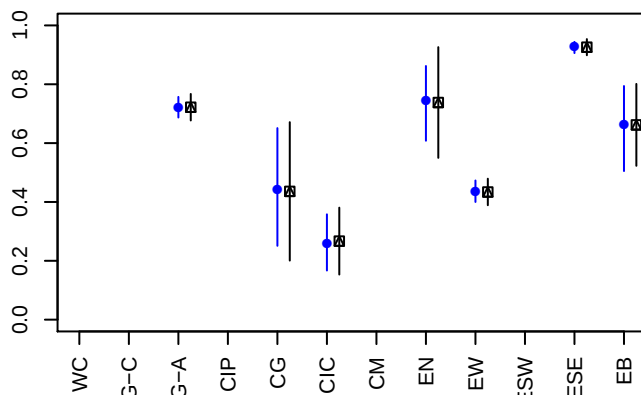
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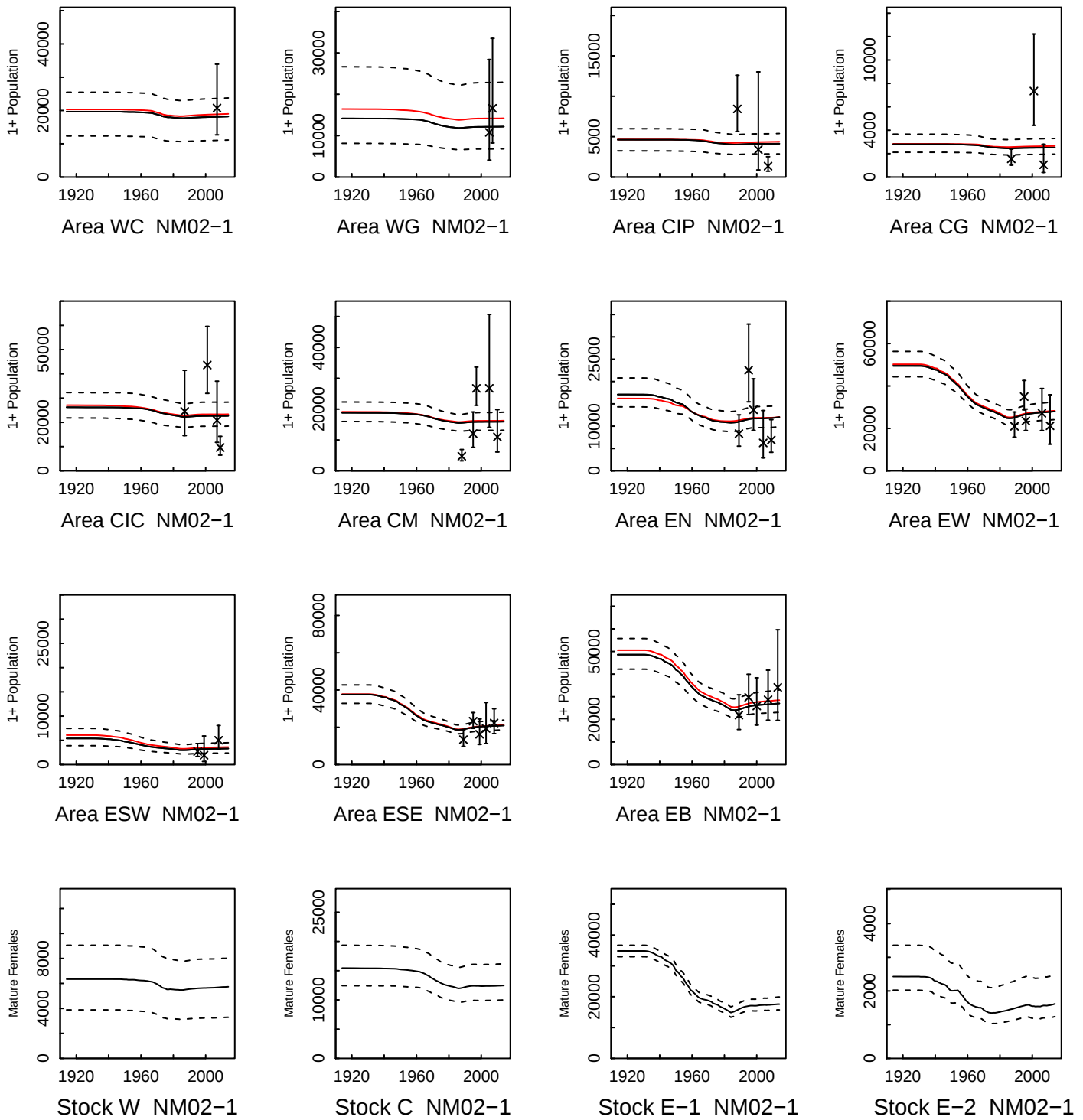
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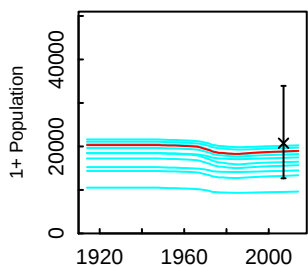
NM01-4 Fishery



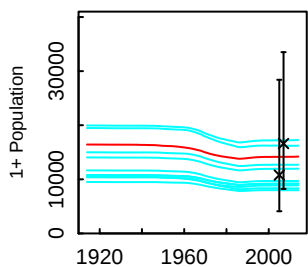
NM02-1; Median & 90%ile 1+ populations by sub-area + Mature females by stock



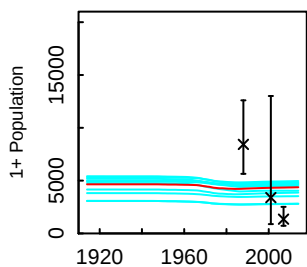
NM02-1; 10 Trajectories + deterministic



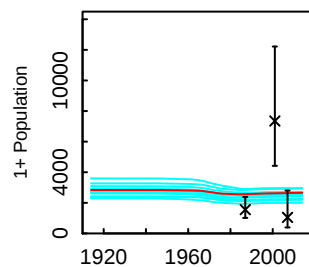
Area WC NM02-1



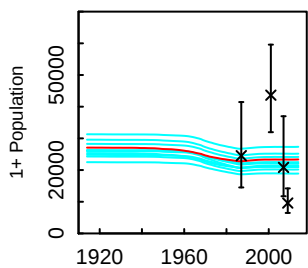
Area WG NM02-1



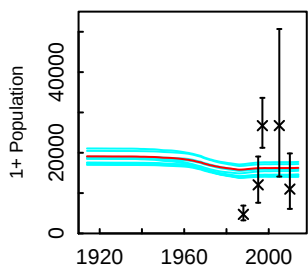
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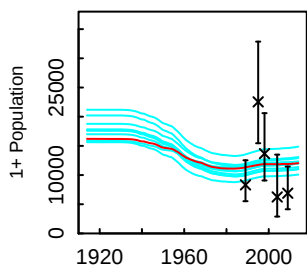
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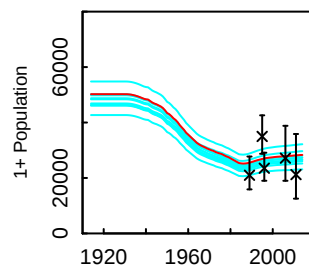
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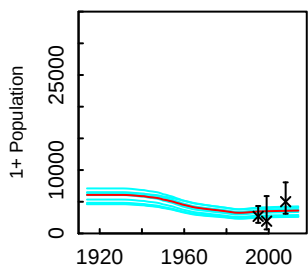
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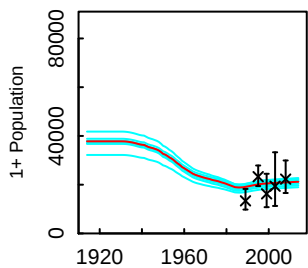
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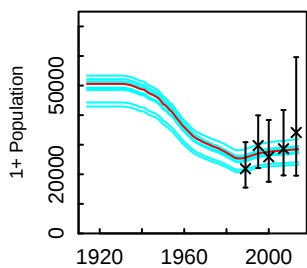
Area EW NM02-1



Area ESW NM02-1

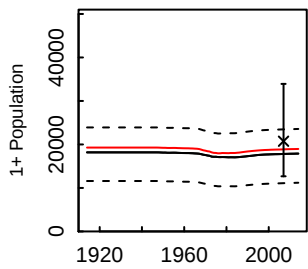


Area ESE NM02-1

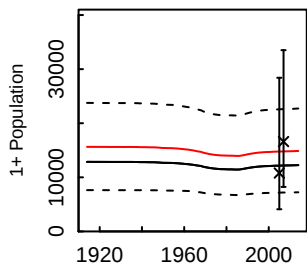


Area EB NM02-1

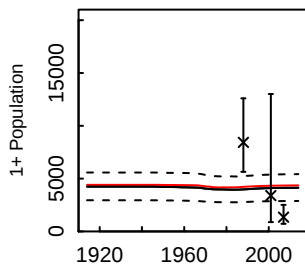
NM02-4; Median & 90%ile 1+ populations by sub-area + Mature females by stock



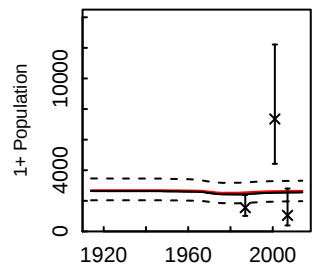
Area WC NM02-4



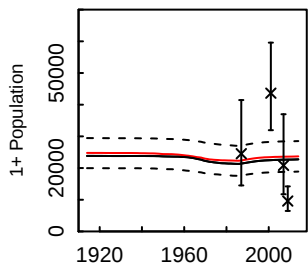
Area WG NM02-4



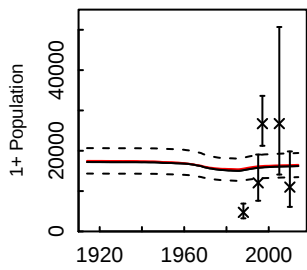
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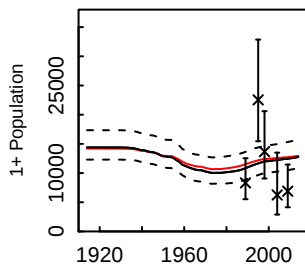
Area CG NM02-4



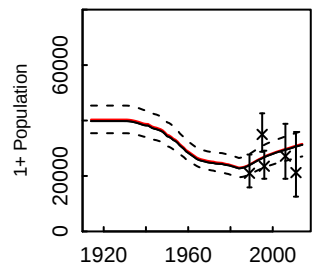
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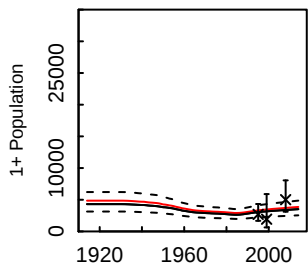
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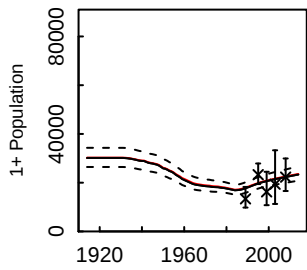
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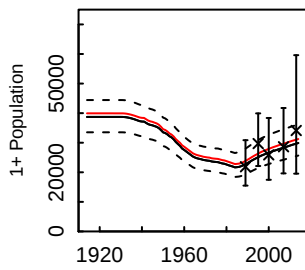
Area EW NM02-4



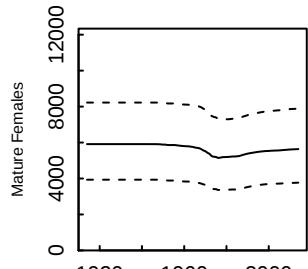
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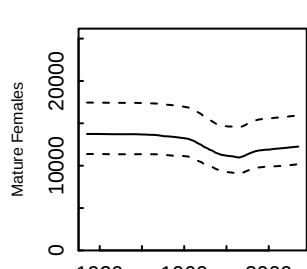
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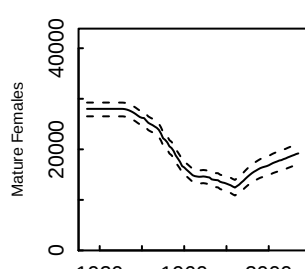
Area EB NM02-4



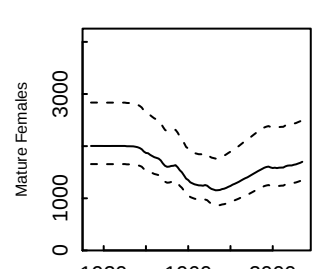
Stock W NM02-4



Stock C NM02-4

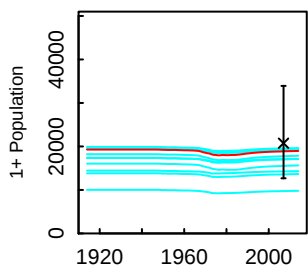


Stock E-1 NM02-4

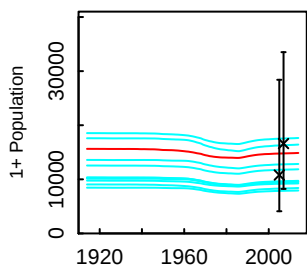


Stock E-2 NM02-4

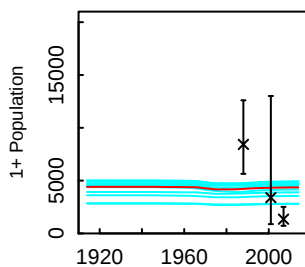
NM02-4; 10 Trajectories + deterministic



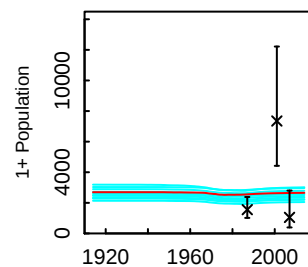
Area WC NM02-4



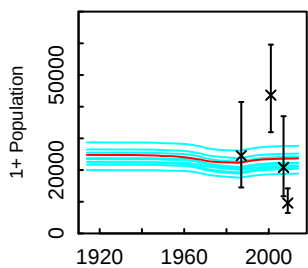
Area WG NM02-4



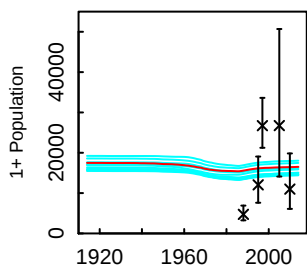
Area CIP NM02-4



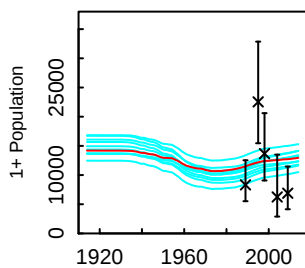
Area CG NM02-4



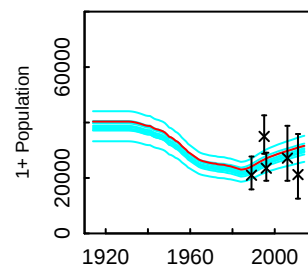
Area CIC NM02-4



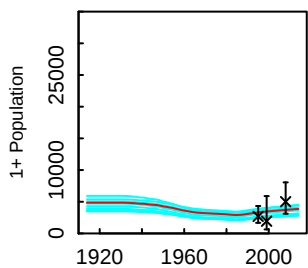
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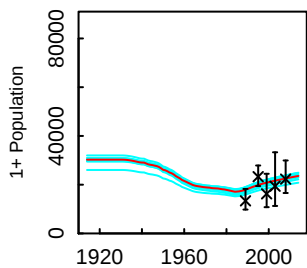
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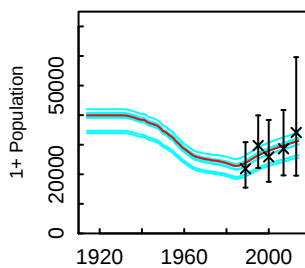
Area EW NM02-4



Area ESW NM02-4

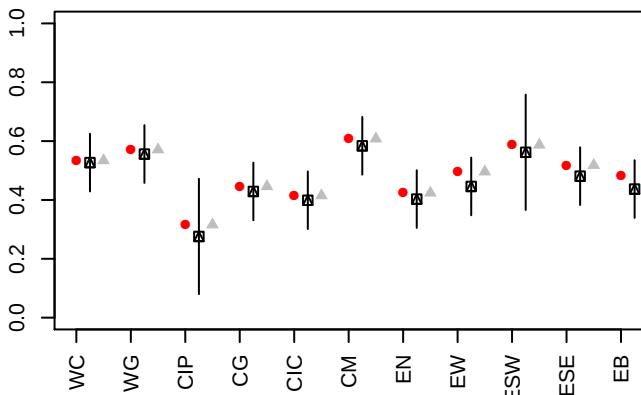


Area ESE NM02-4

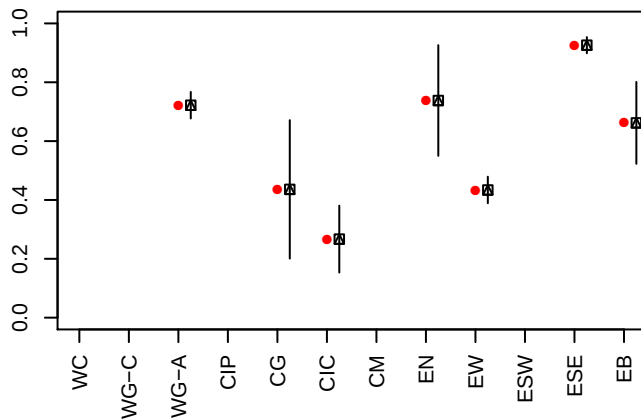


Area EB NM02-4

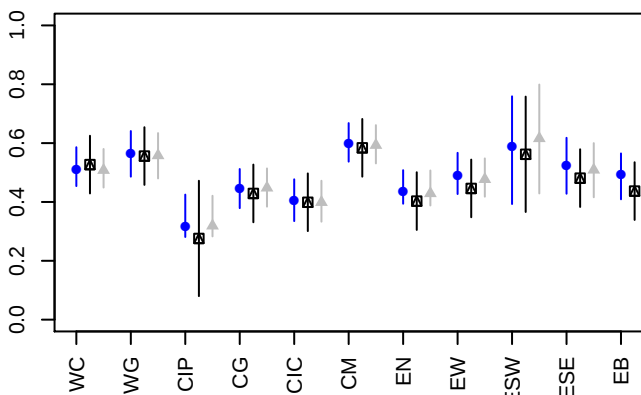
NM02-1 Original (Deterministic)



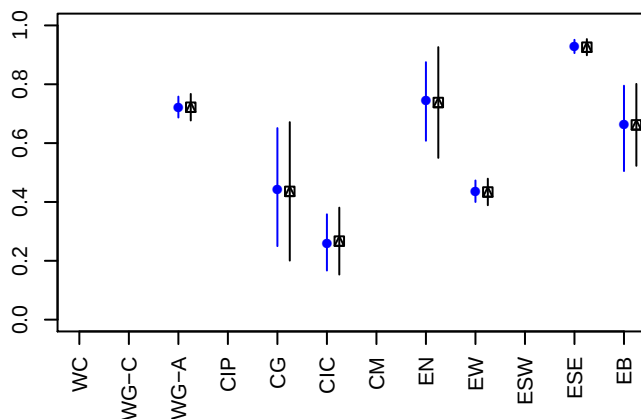
NM02-1 Fishery (Deterministic)



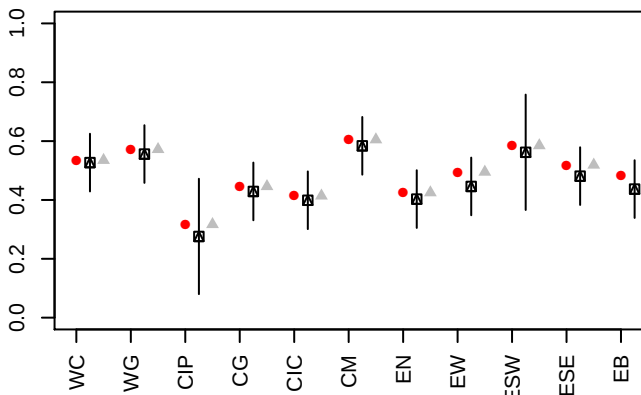
NM02-1 Original



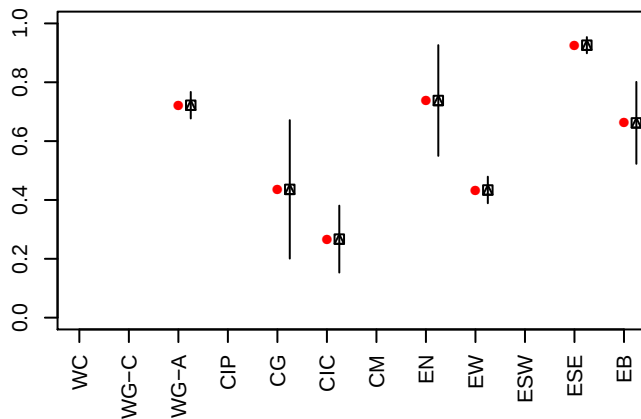
NM02-1 Fishery



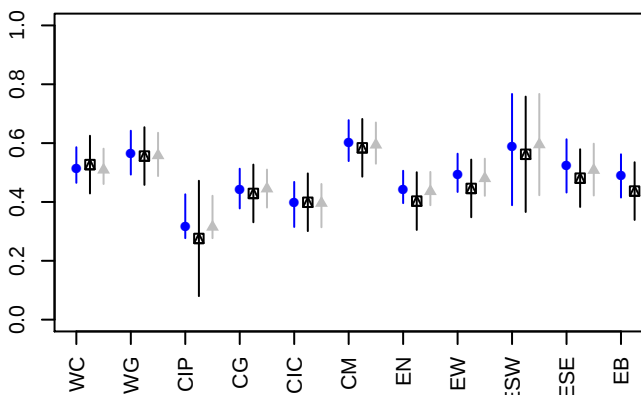
NM02-4 Original (Deterministic)



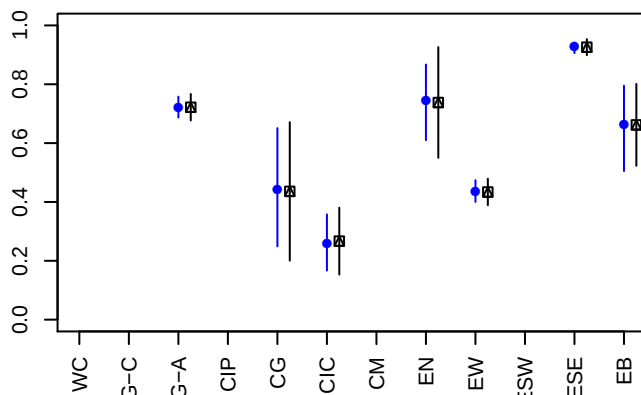
NM02-4 Fishery (Deterministic)



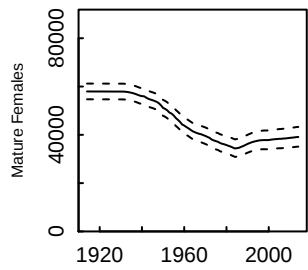
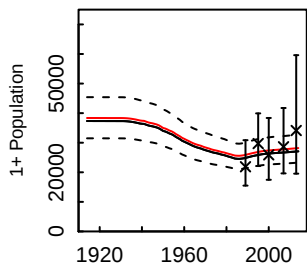
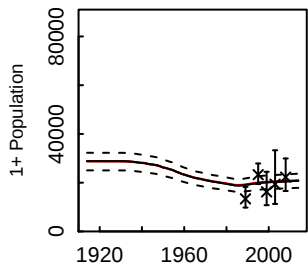
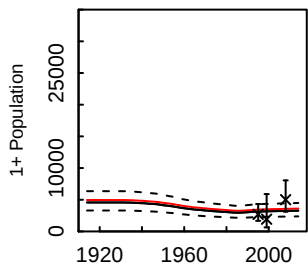
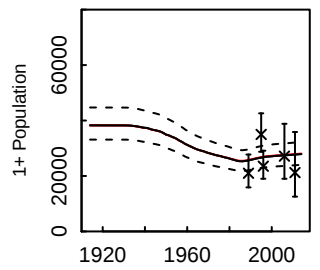
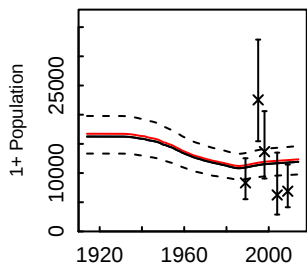
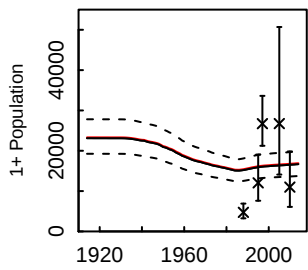
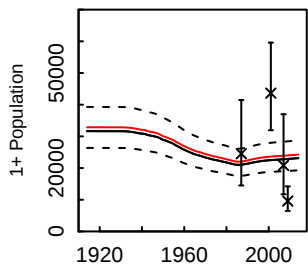
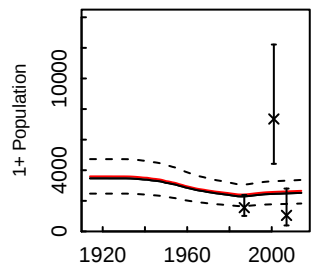
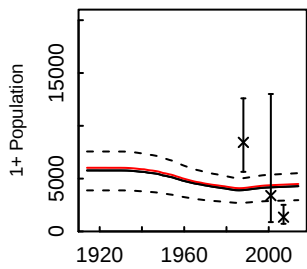
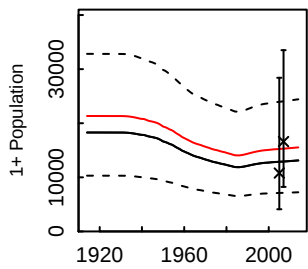
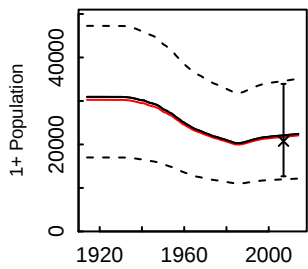
NM02-4 Original



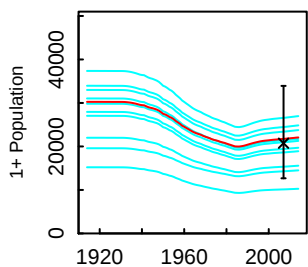
NM02-4 Fishery



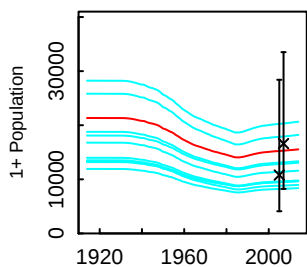
NM03-1; Median & 90%ile 1+ populations by sub-area + Mature females by stock



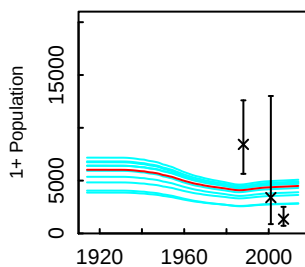
NM03-1; 10 Trajectories + deterministic



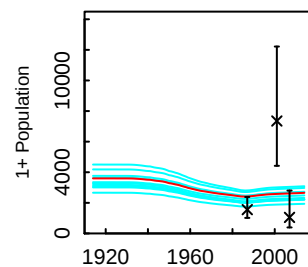
Area WC NM03-1



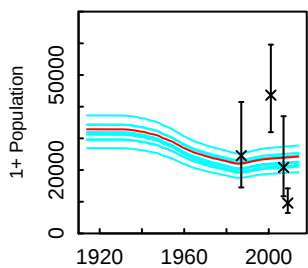
Area WG NM03-1



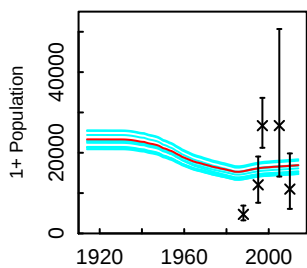
Area CIP NM03-1



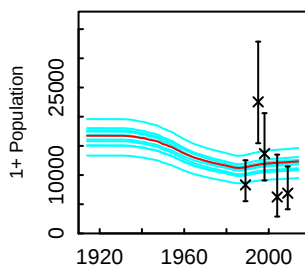
Area CG NM03-1



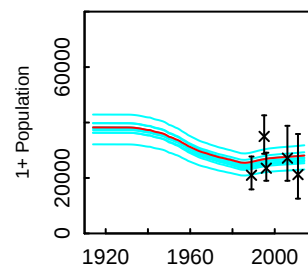
Area CIC NM03-1



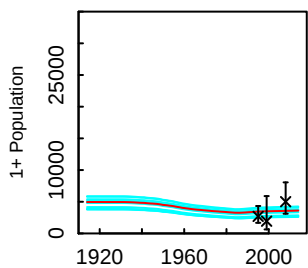
Area CM NM03-1



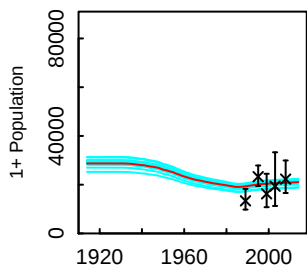
Area EN NM03-1



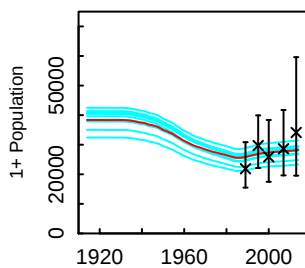
Area EW NM03-1



Area ESW NM03-1

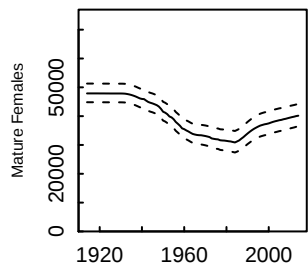
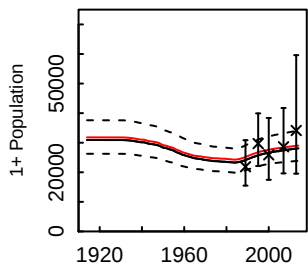
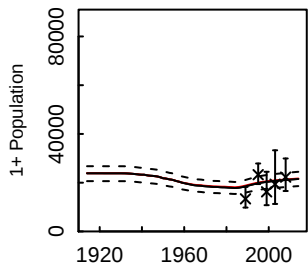
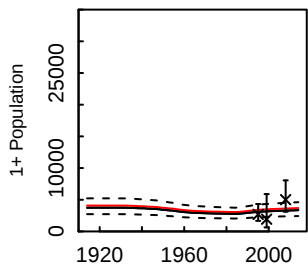
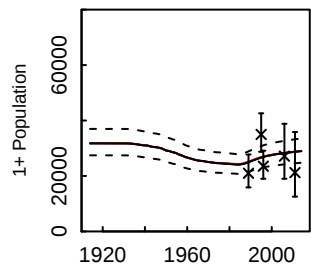
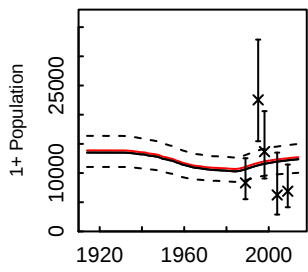
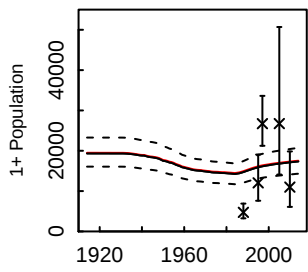
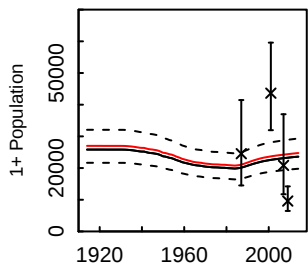
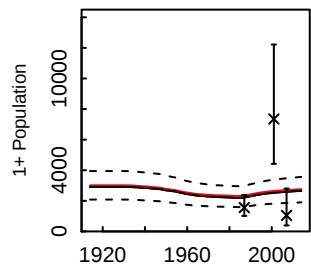
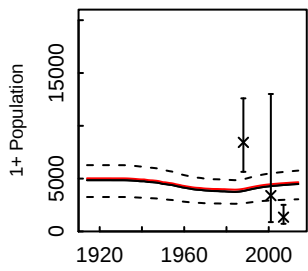
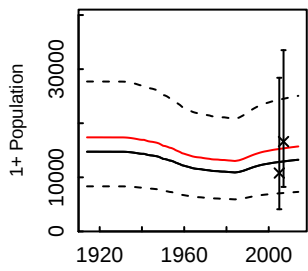
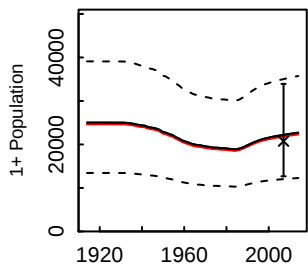


Area ESE NM03-1

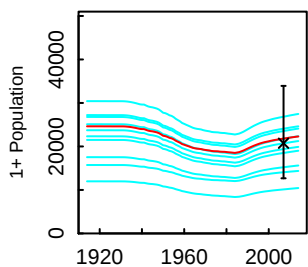


Area EB NM03-1

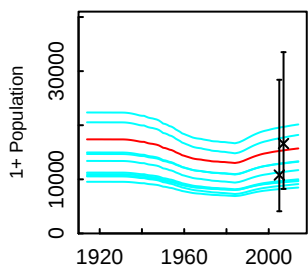
NM03-4; Median & 90%ile 1+ populations by sub-area + Mature females by stock



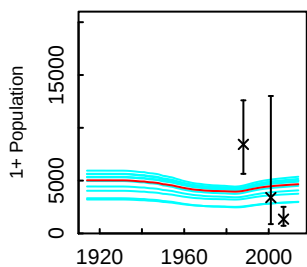
NM03-4; 10 Trajectories + deterministic



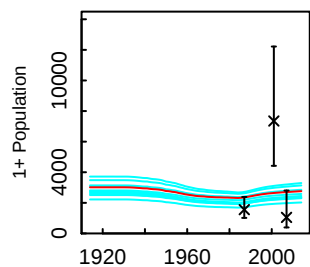
Area WC NM03-4



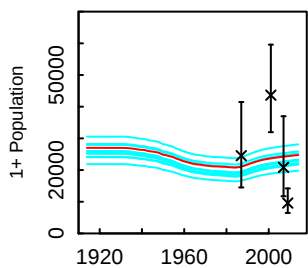
Area WG NM03-4



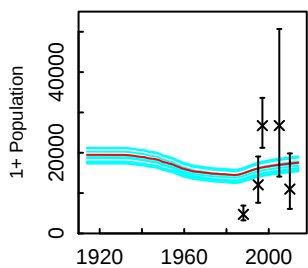
Area CIP NM03-4



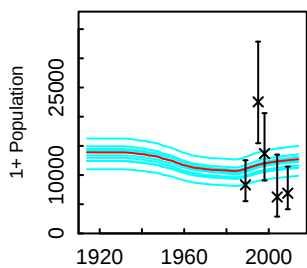
Area CG NM03-4



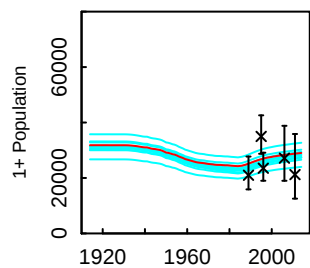
Area CIC NM03-4



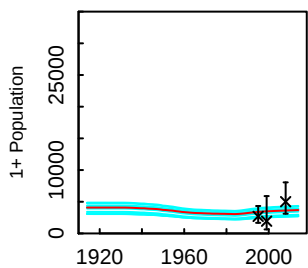
Area CM NM03-4



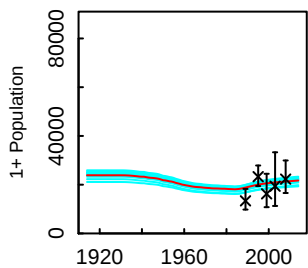
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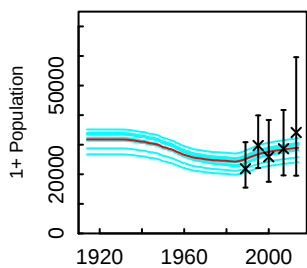
Area EW NM03-4



Area ESW NM03-4

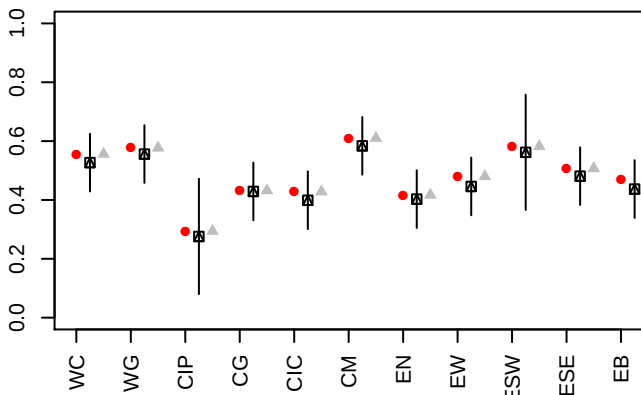


Area ESE NM03-4

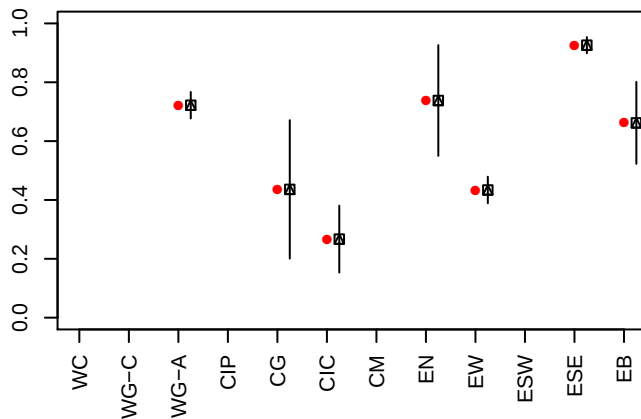


Area EB NM03-4

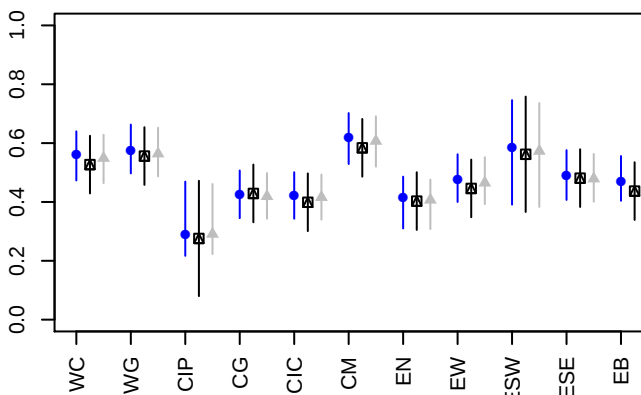
NM03-1 Original (Deterministic)



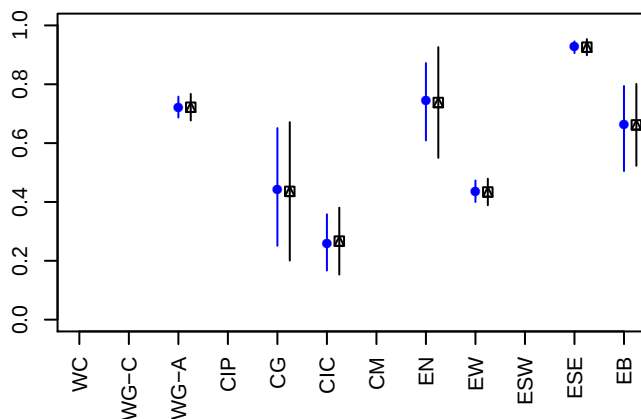
NM03-1 Fishery (Deterministic)



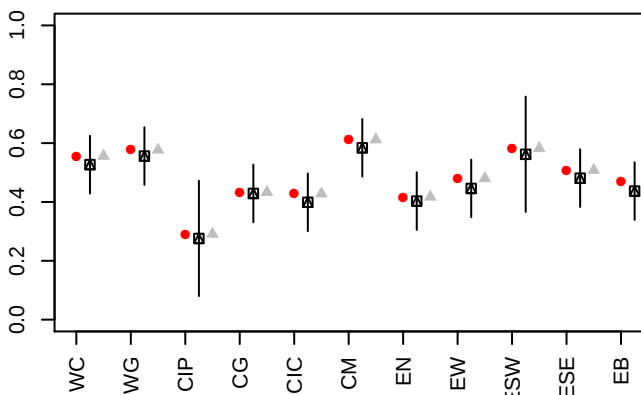
NM03-1 Original



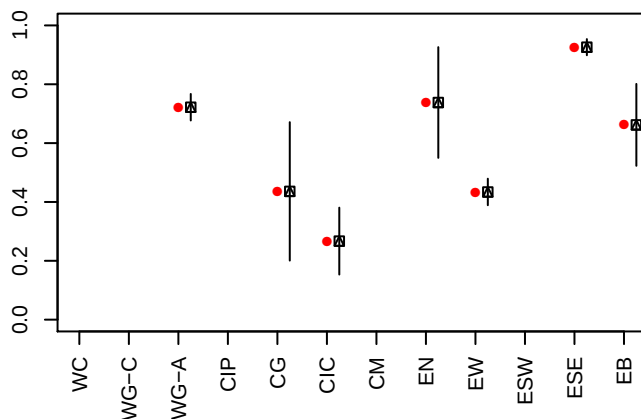
NM03-1 Fishery



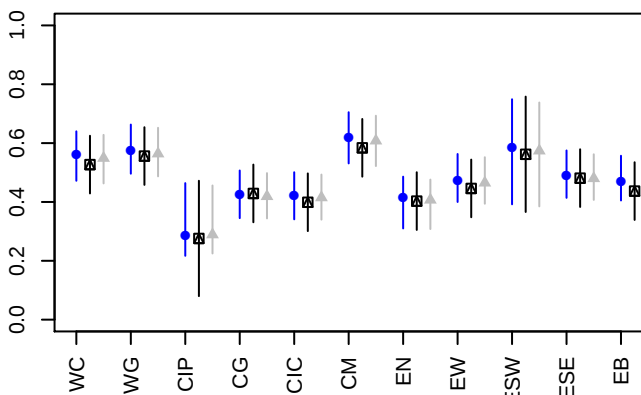
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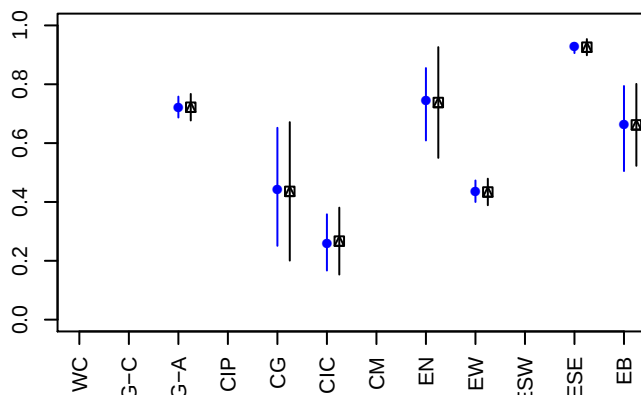
NM03-4 Fishery (Deterministic)



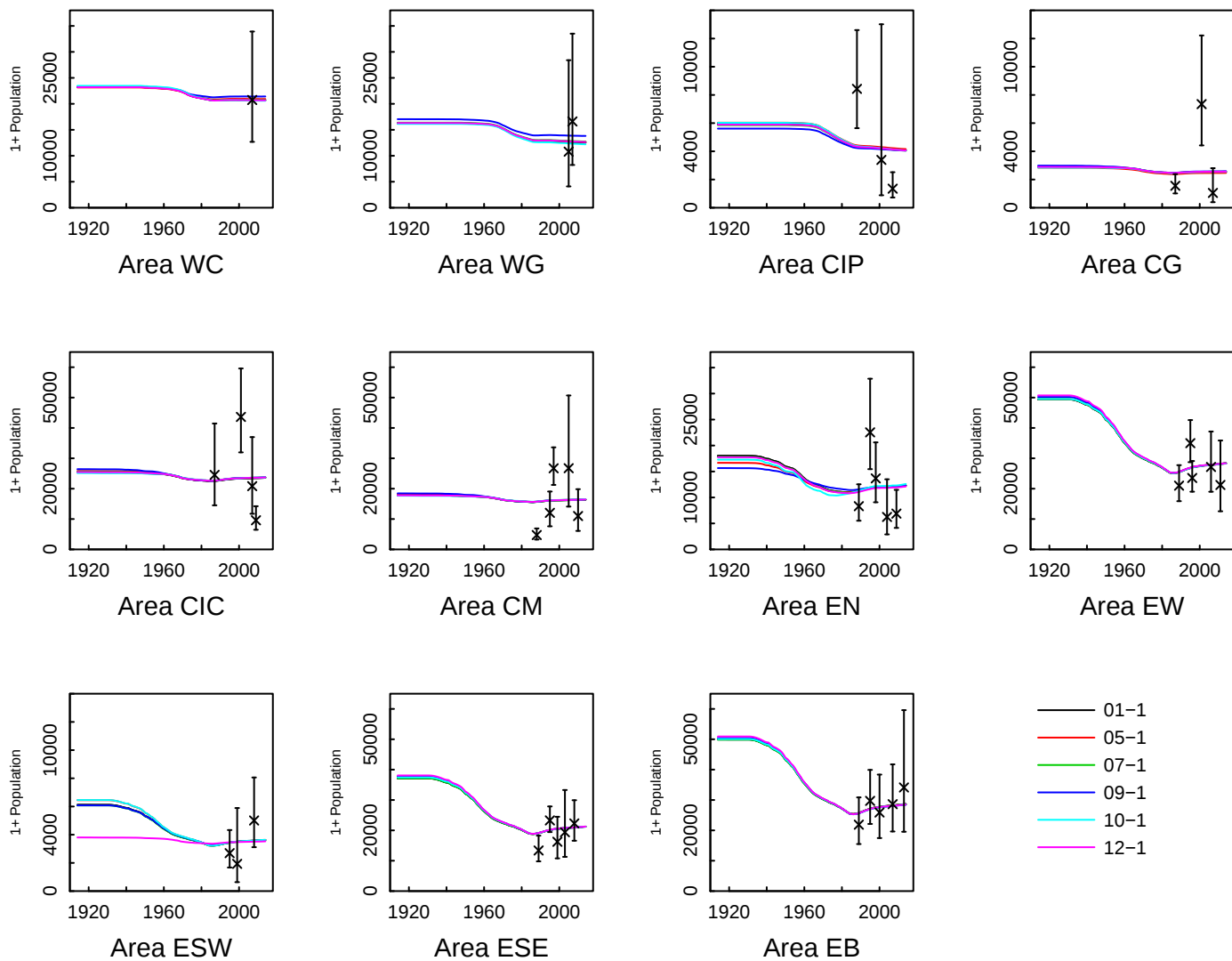
NM03-4 Original



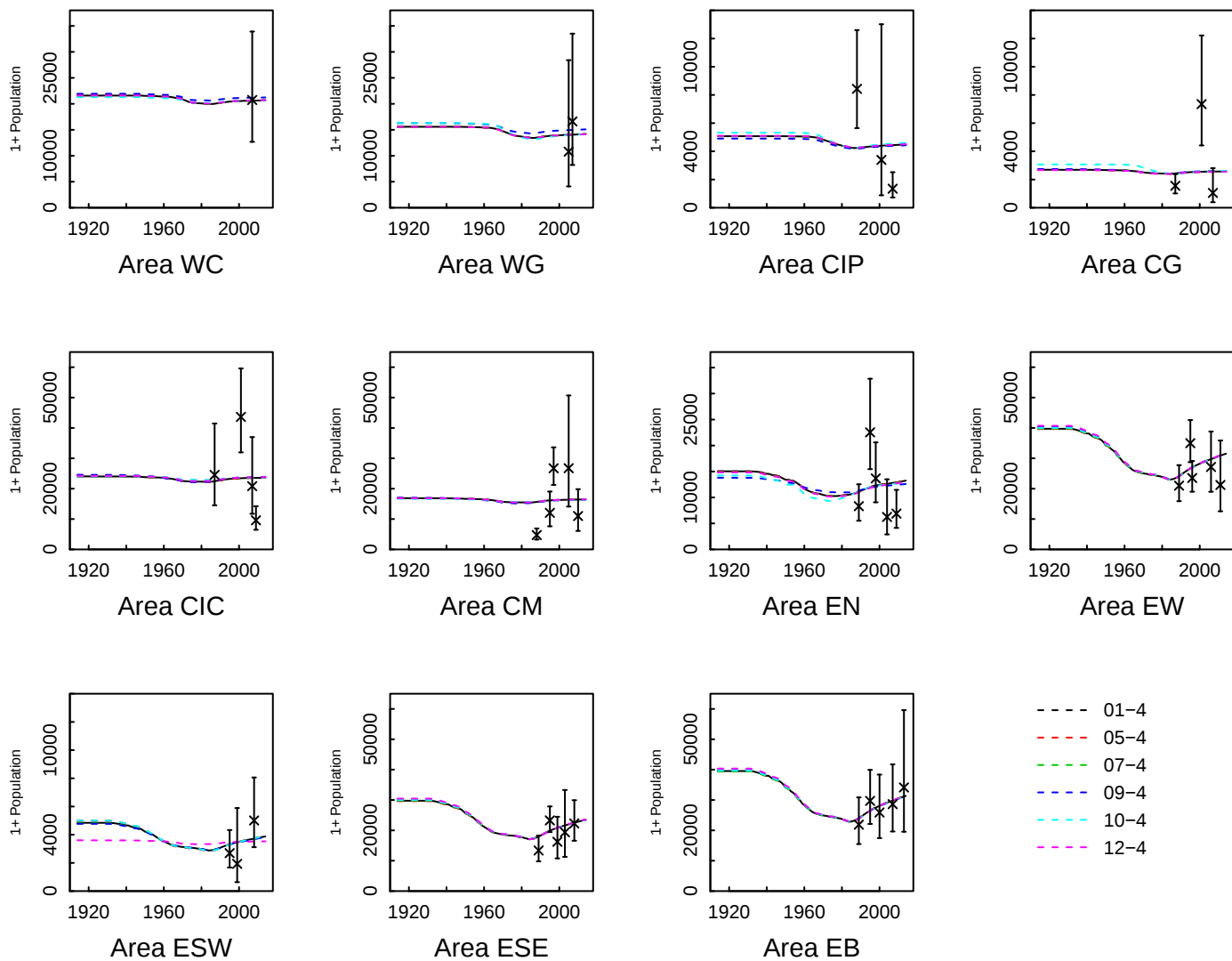
NM03-4 Fishery



Median 1+ populations by sub-area



Median 1+ populations by sub-area



Median 1+ populations by sub-area

