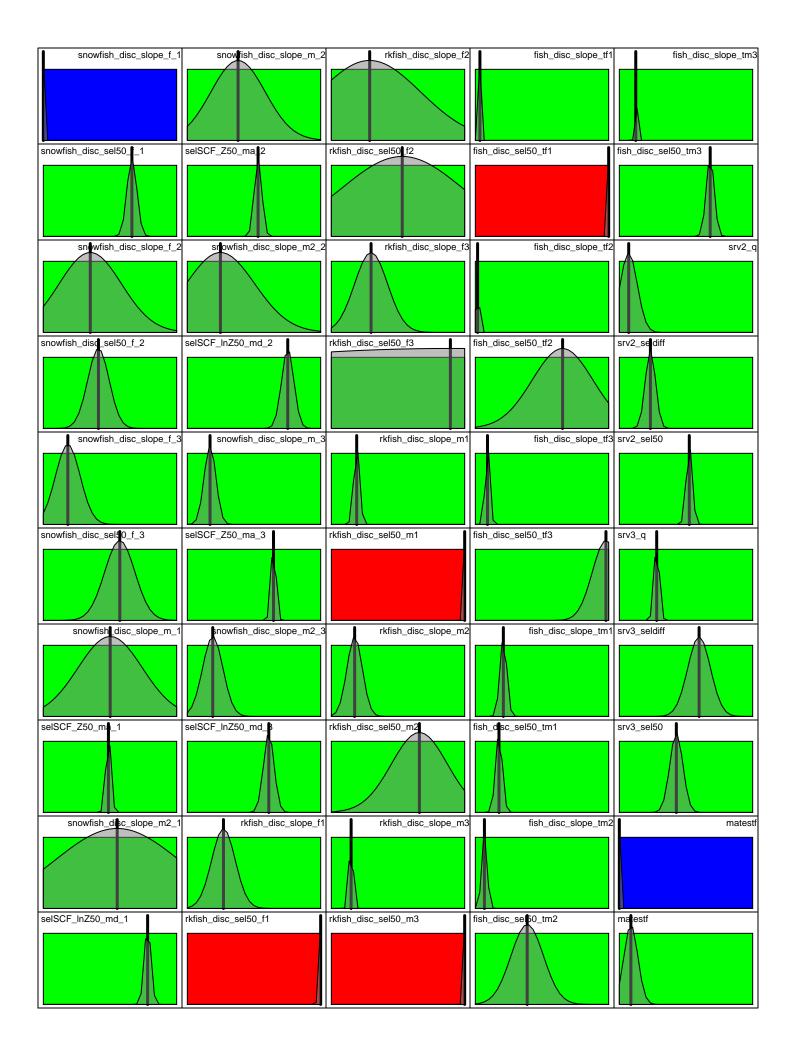
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DI	pRecDevs	pRecDevs	pRecDevs	pRecDevs
am1	pRecDevs	pRecDevs	pRecDevs	pRecDevs
bm1	pRecDevs	pRecDevs	pRecDevs	pRecDevs
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Mmultm	pRecDevs	pRecDevs	pRecDevs	pRecDevs
Mmultf	pRecDevs	pRecDevs	pRecDevs	pRecDevs
		pRecDevs		pRecDevs
ma_big	pRecDevs		pRecDevs	
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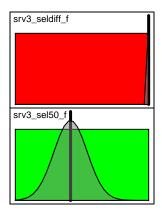
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pMnLnRecEarly	pRecDevsEarly	pRecDevsEarly	pFmDevsTCF	pFmDevsTCF
no limits				
pRecDevsEarl	pRecDevsEarly	pRecDevsEarly	pFmDevsTCF	pFmDevsTCF
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pRecDevsEarl	pRecDevsEarly	pRecDevsEarly	pFmDevsTCF	pFmDevsTCF
pRecDevsEarl	pRecDevsEarly	pRecDevsEarly	pFmDevsTCF	pFmDevsTCF
pRecDevsEarly	pRecDevsEarly	pRecDevsEarly	pFmDevsTCF	pFmDevsTCF
pRecDevsEarl	pRecDevsEarly	pAvgLnFmTCF	pFmDevsTCF	pFmDevsTCF
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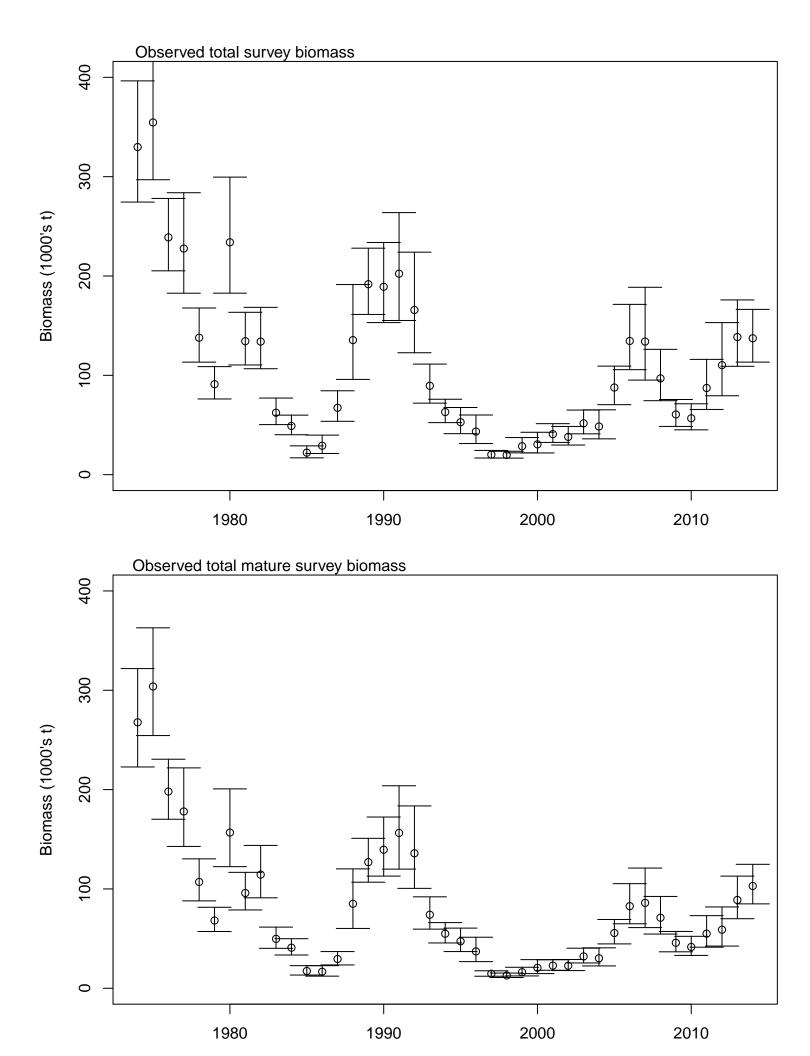
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pFmDevsTCF	pFmDevsTCF	pFmDevsGTF	pFmDevsGTF	pFmDevsGTF
pFmDevsTCF	pAvgLnFmGTF	pFmDevsGTF	pFmDevsGTF	pFmDevsGTF
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pFmDevsTCF	pFmDevsGTF	pFmDevsGTF	pFmDevsGTF	pFmDevsGTF
pFmDevsTCF	pFmDevsGTF	pFmDevsGTF	pFmDevsGTF	pFmDevsGTF
pFmDevsTCF	pFmDevsGTF	pFmDevsGTF	pFmDevsGTF	pFmDevsGTF
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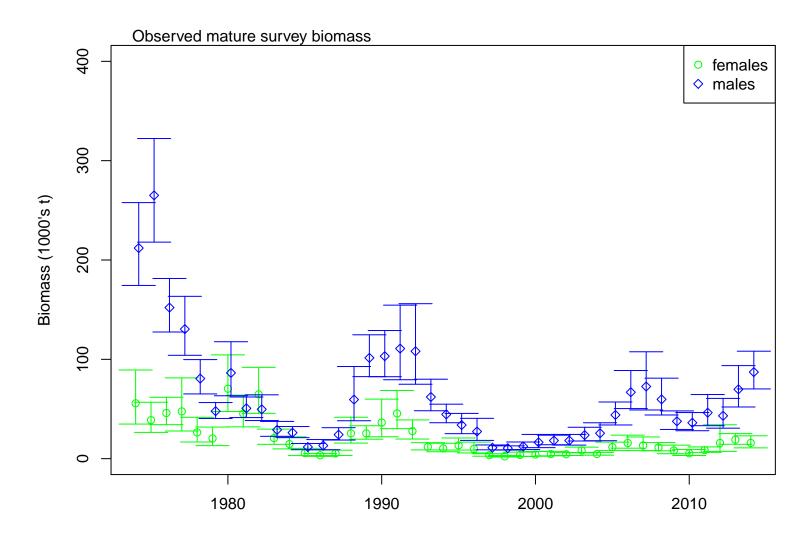
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pFmDevsGTF	pFmDevsSCF	pFmDevsSCF	fish_fit_sel50_mn2	log_sel50_dev_3
pFmDevsGTF	pFmDevsSCF	pFmDevsSCF	fish_slope_1	log_sel50_dev_3
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pFmDevsGTF	pFmDevsSCF	pFmDevsSCF	log_avg_sel50_3	log_sel50_dev_3
pAvgLnFmSCF	pFmDevsSCF	pFmDevsSCF	log_sel50_dev_3	log_sel50_dev_3
no limits				
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pFmDevsSCF	pFmDevsSCF	pFmDevsSCF	log_sel50_dev_3	fish_disc_slope_f
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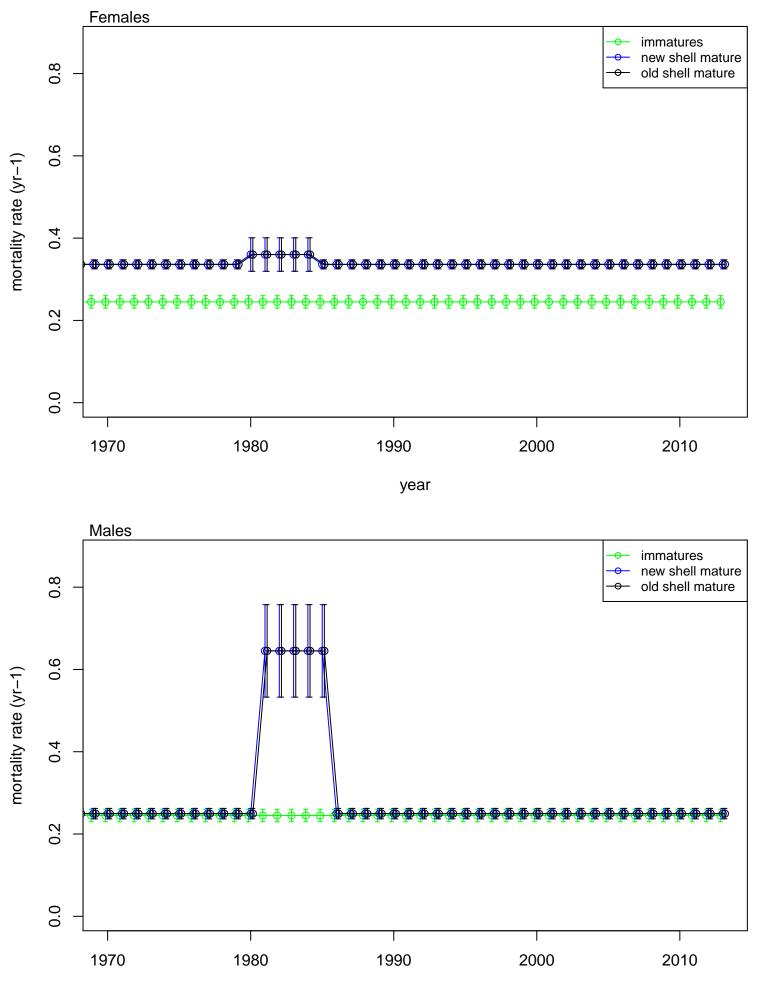


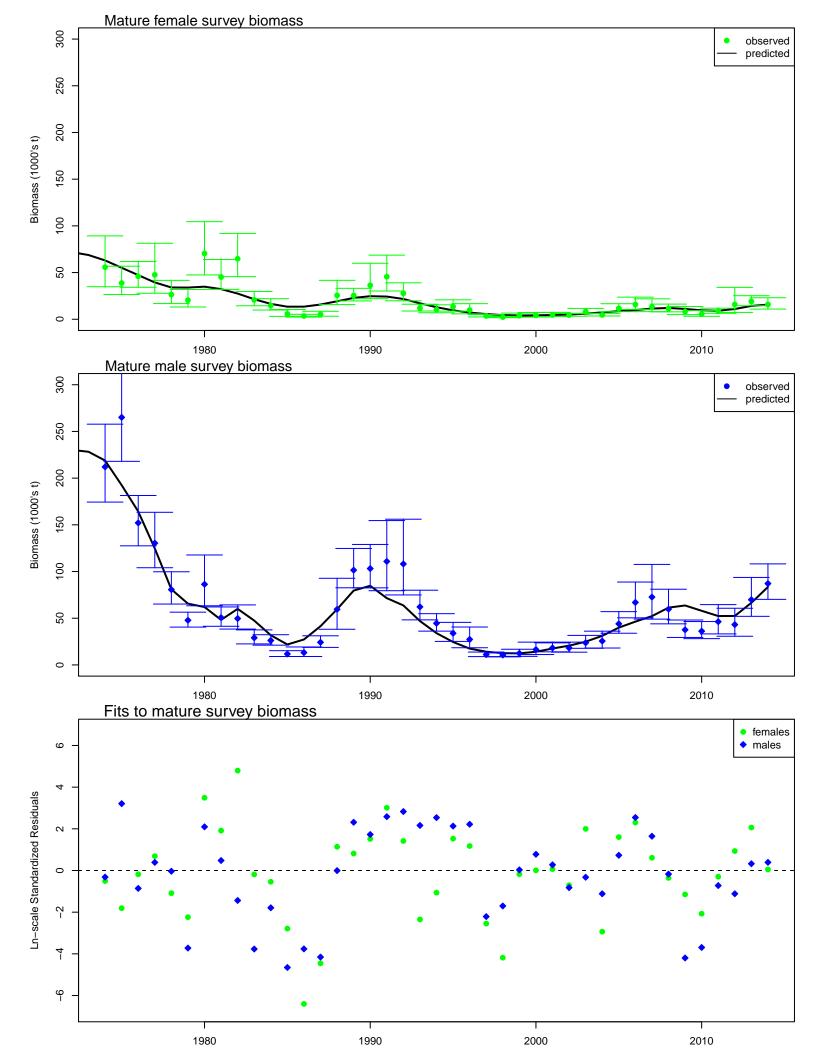
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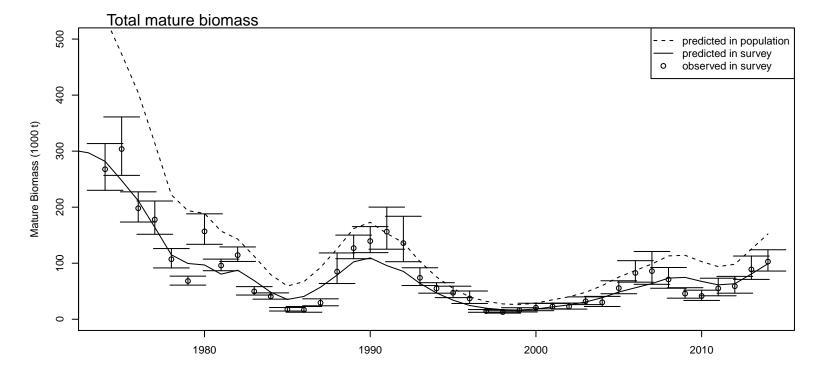


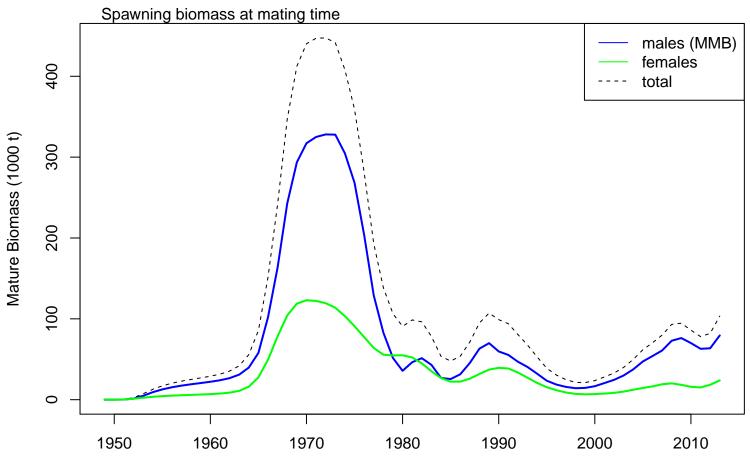




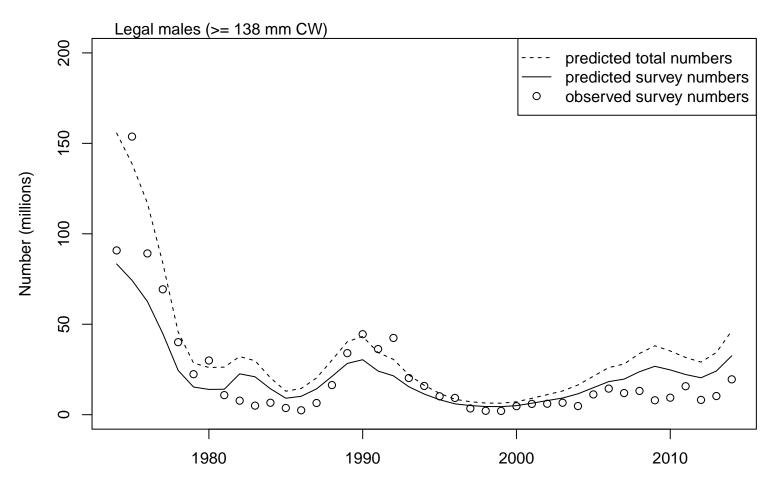






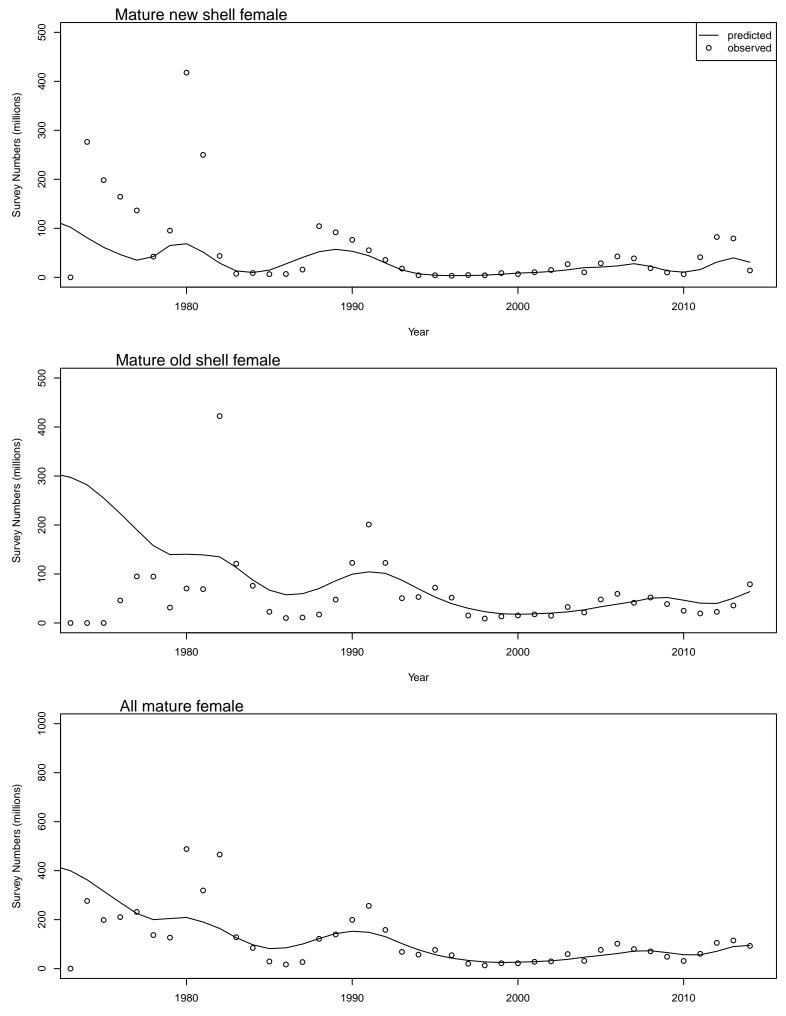


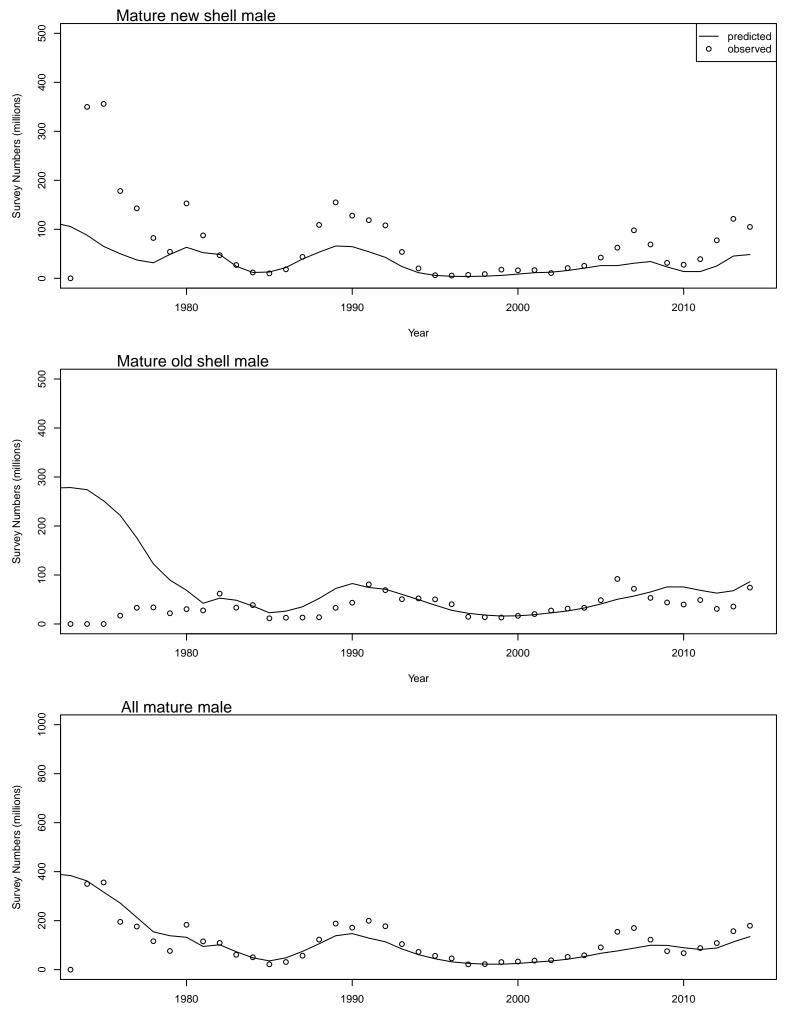
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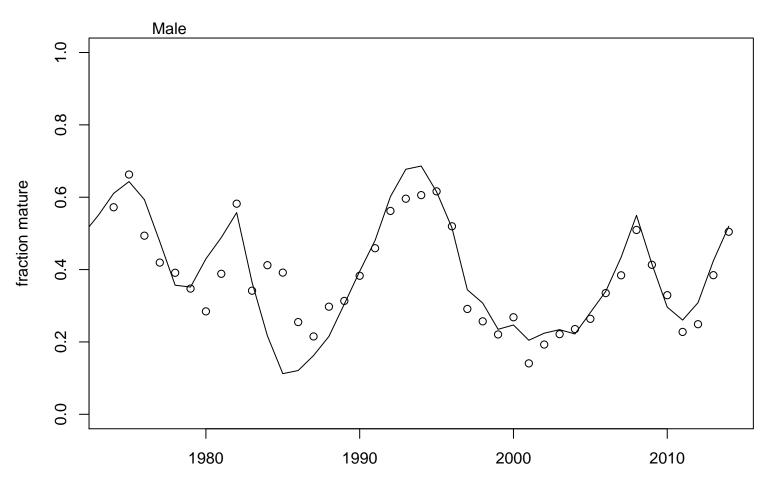




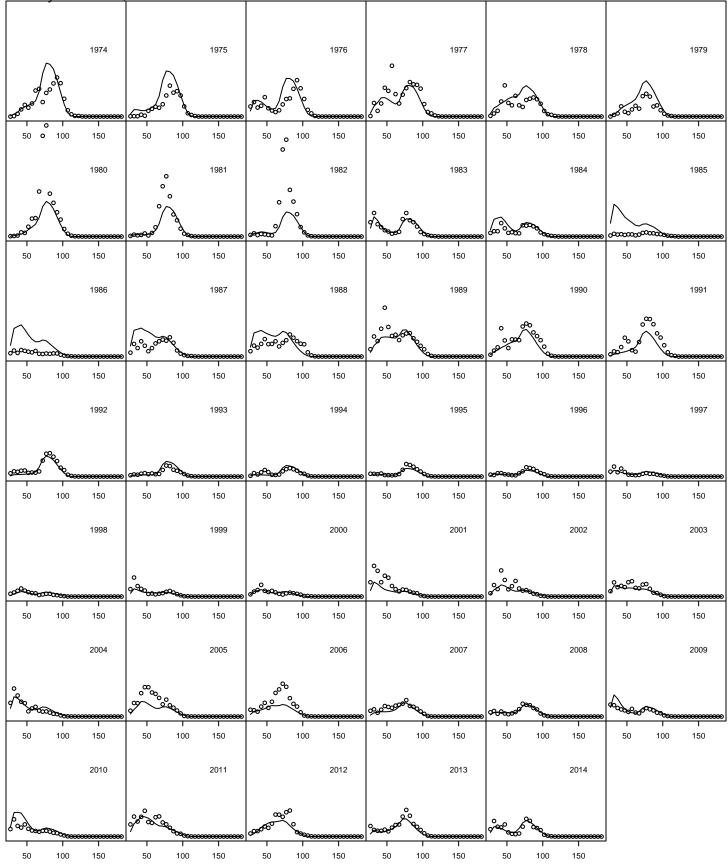




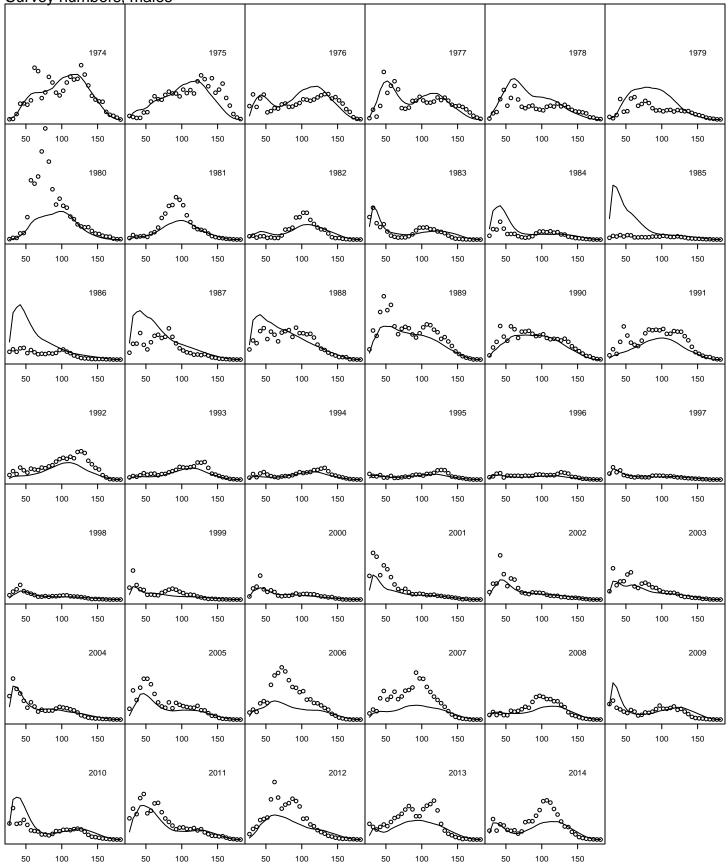




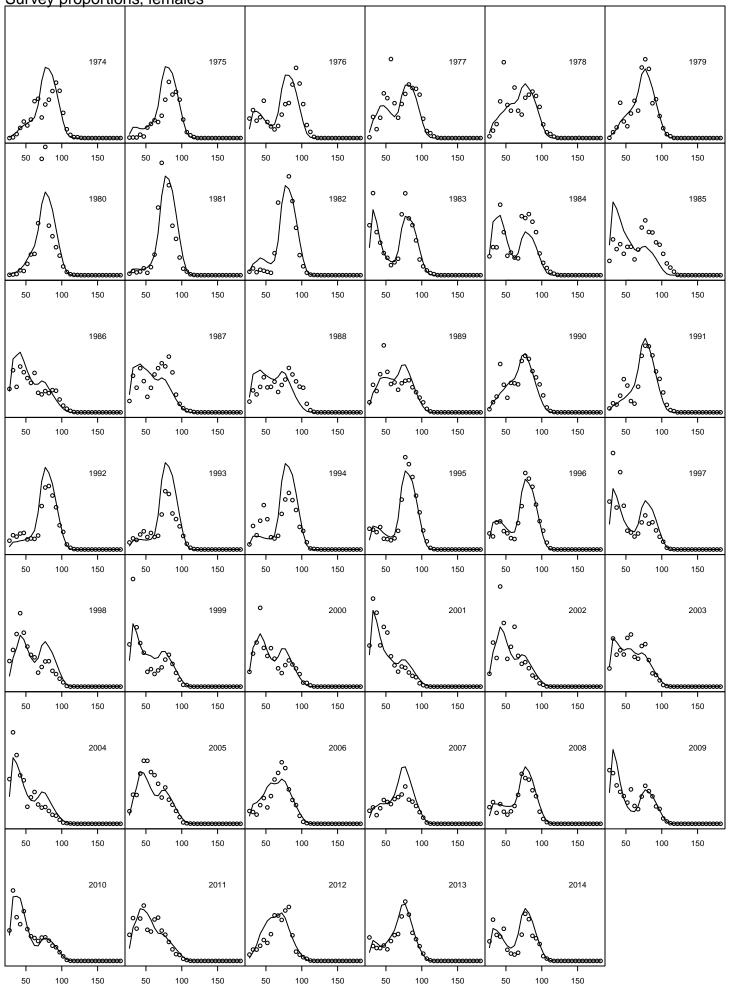
Survey numbers, females

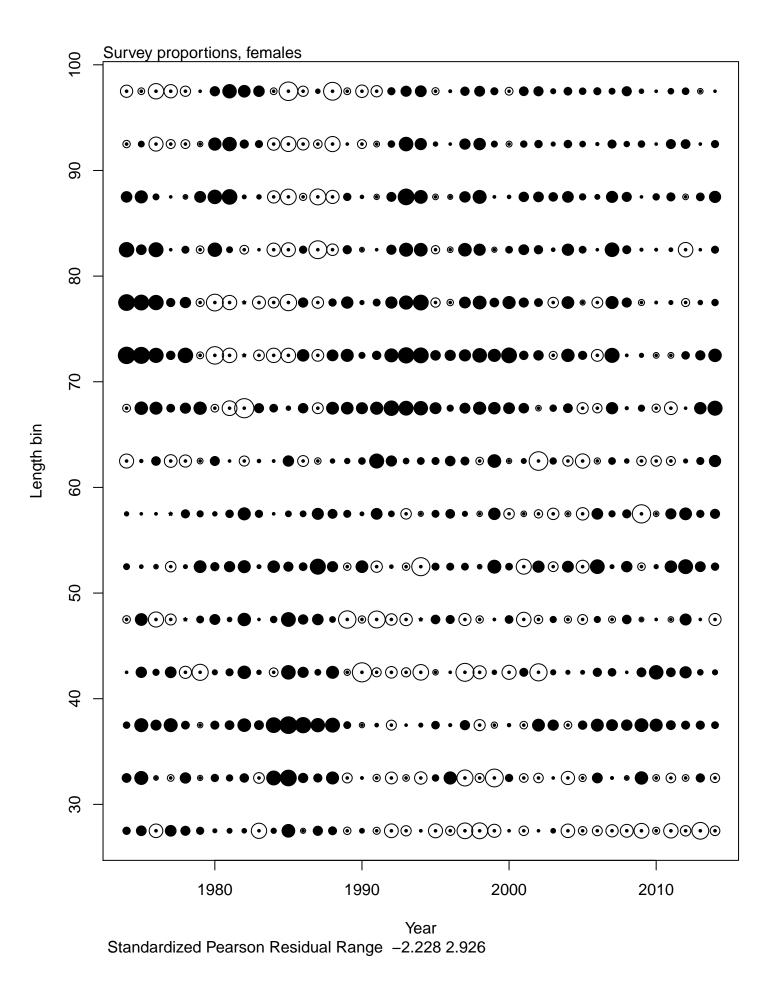


Survey numbers, males

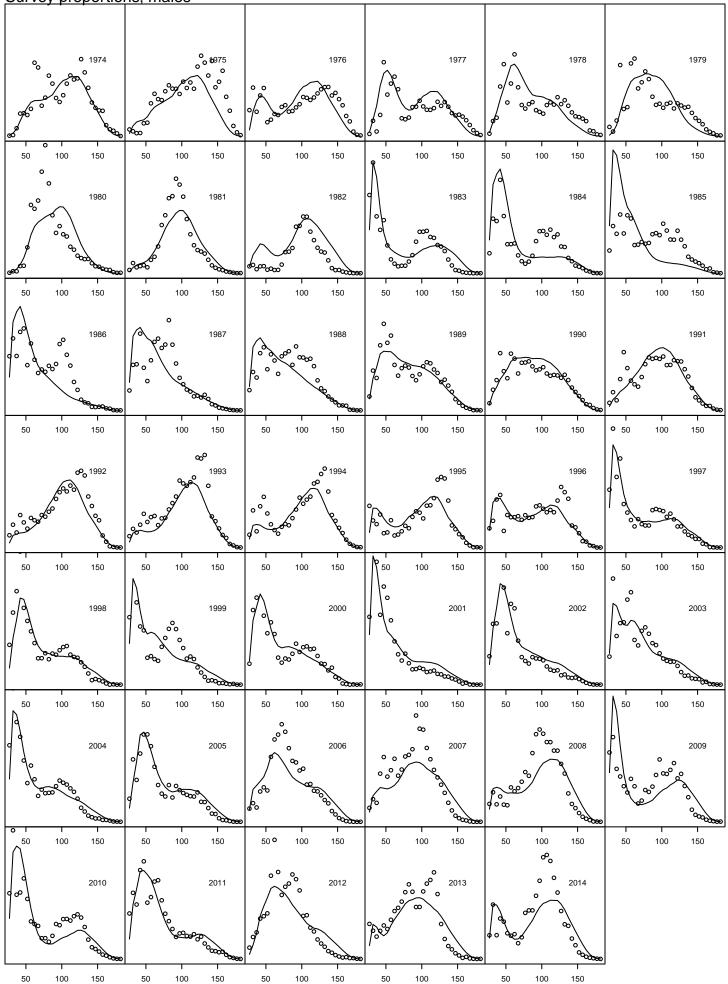


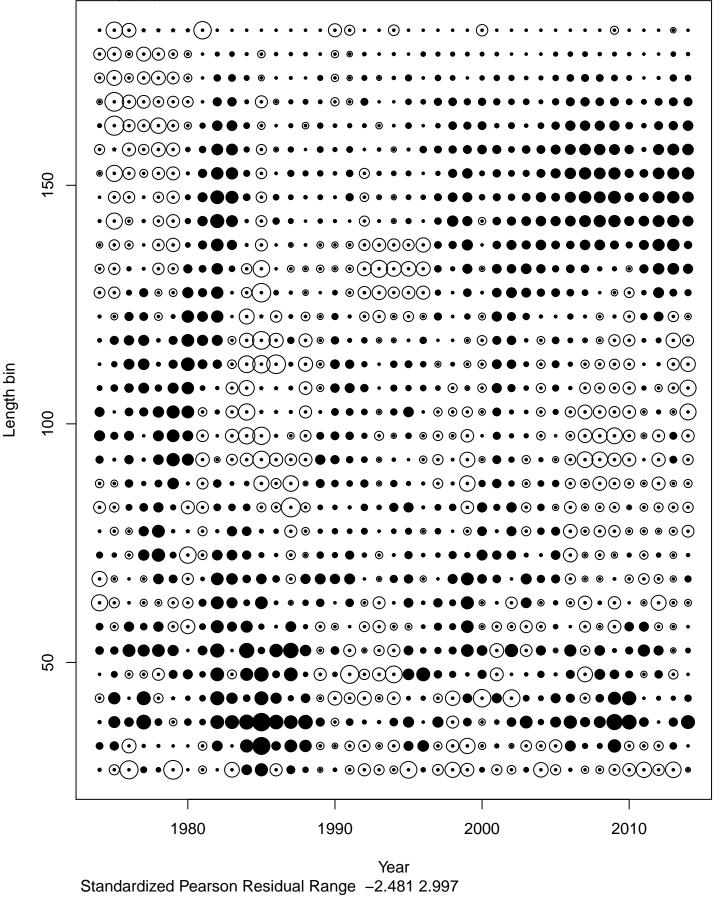




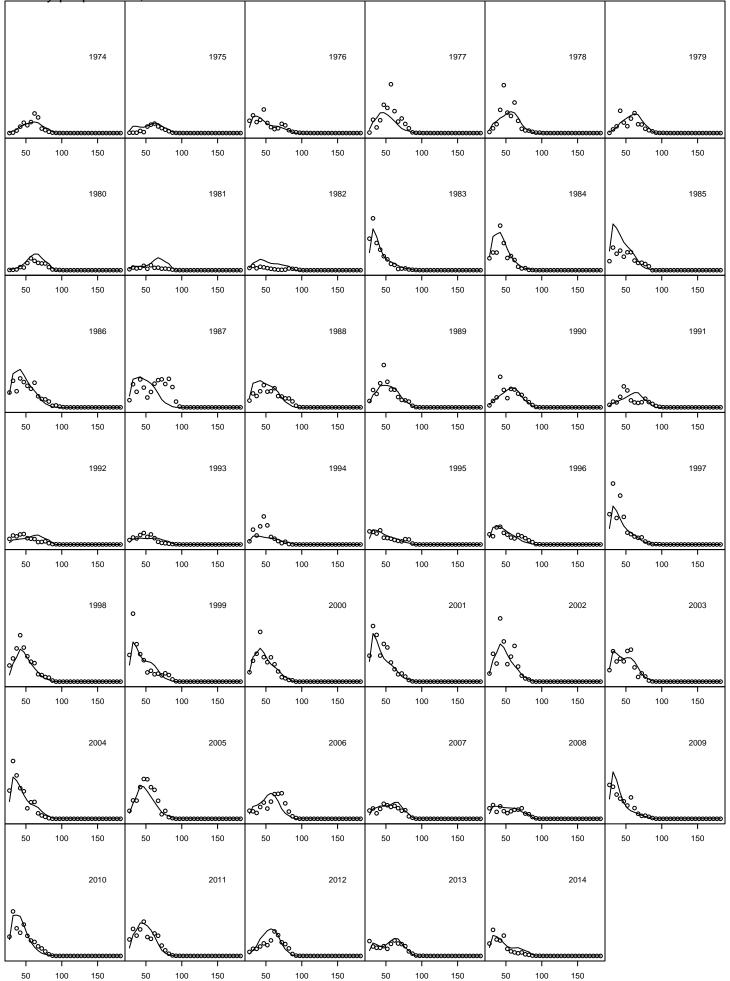


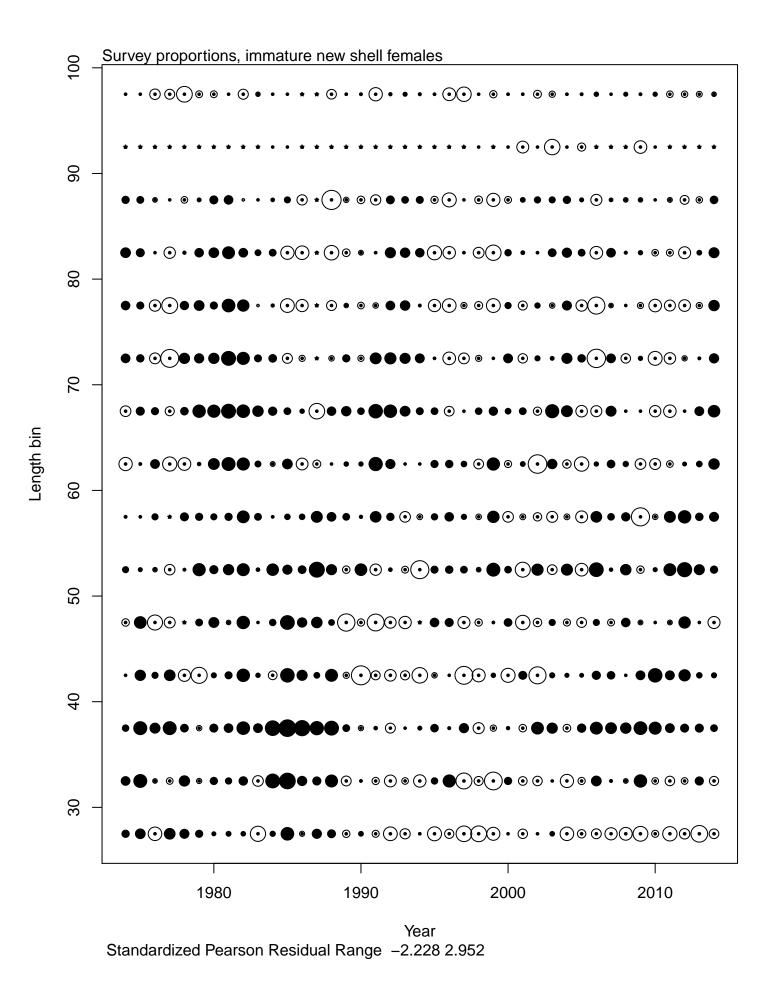
Survey proportions, males



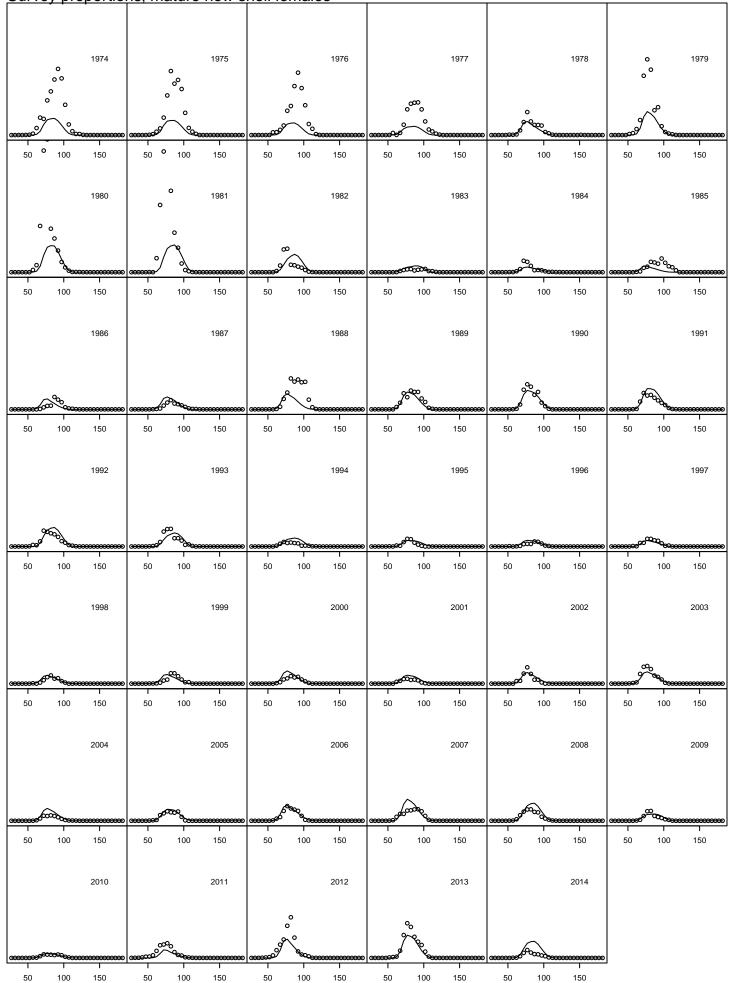


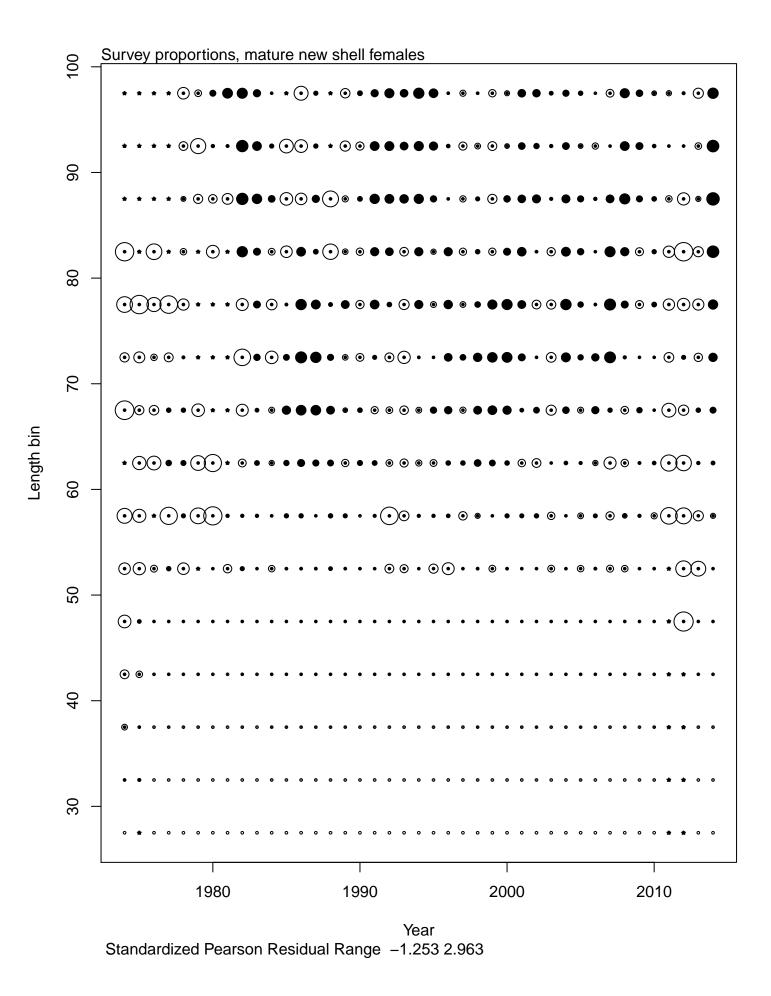
Survey proportions, immature new shell females



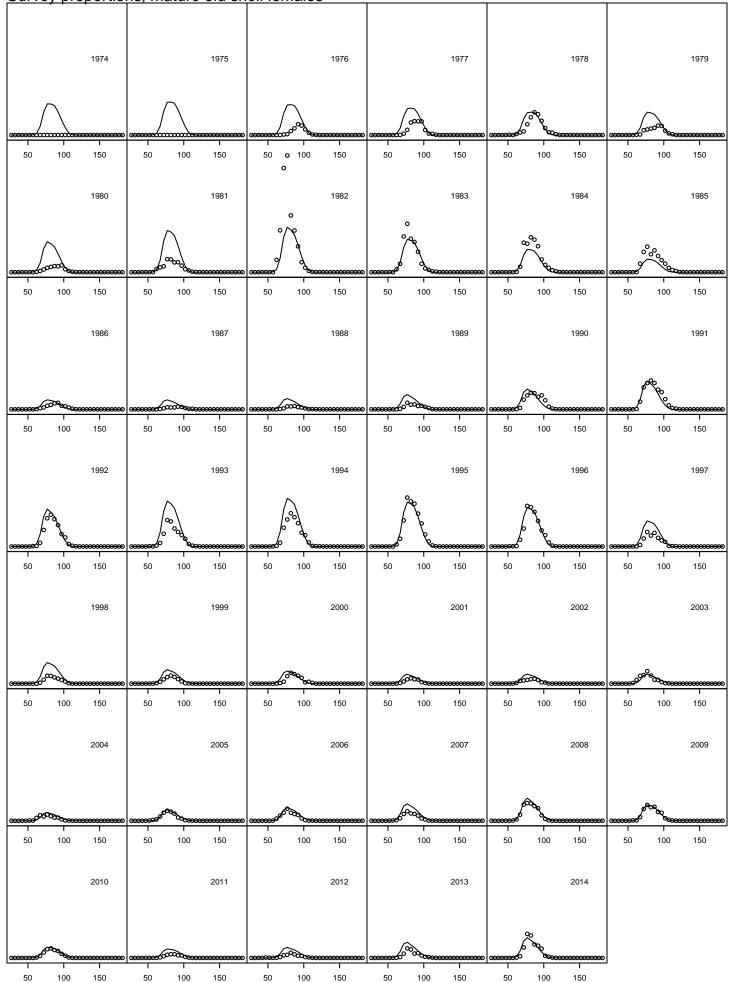


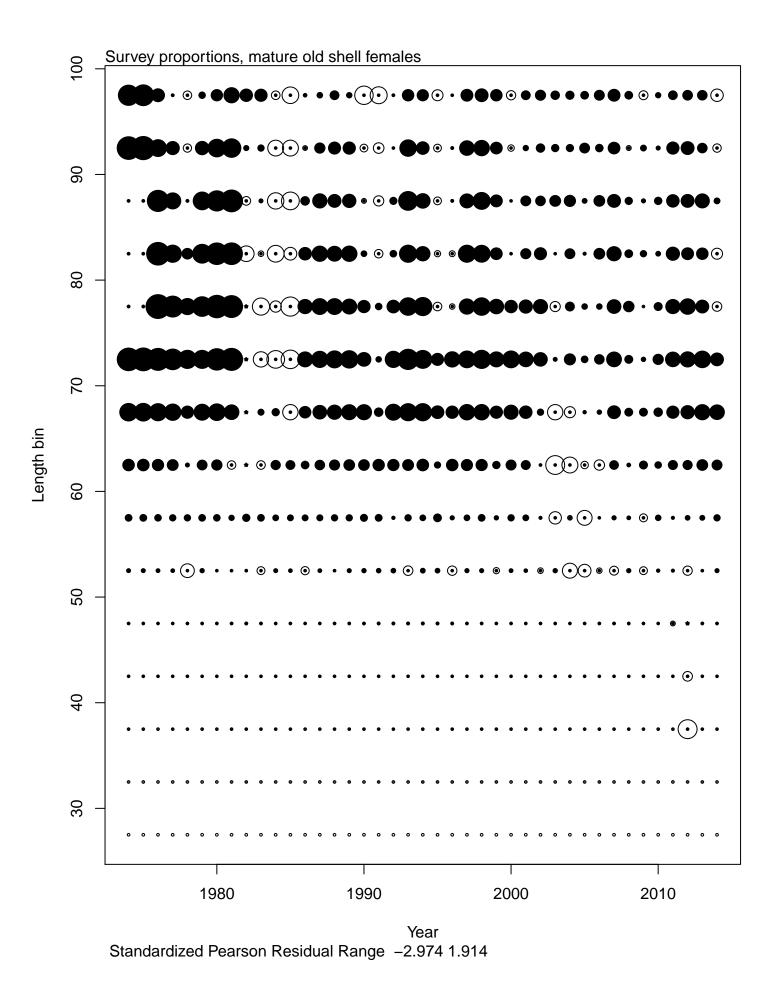
Survey proportions, mature new shell females



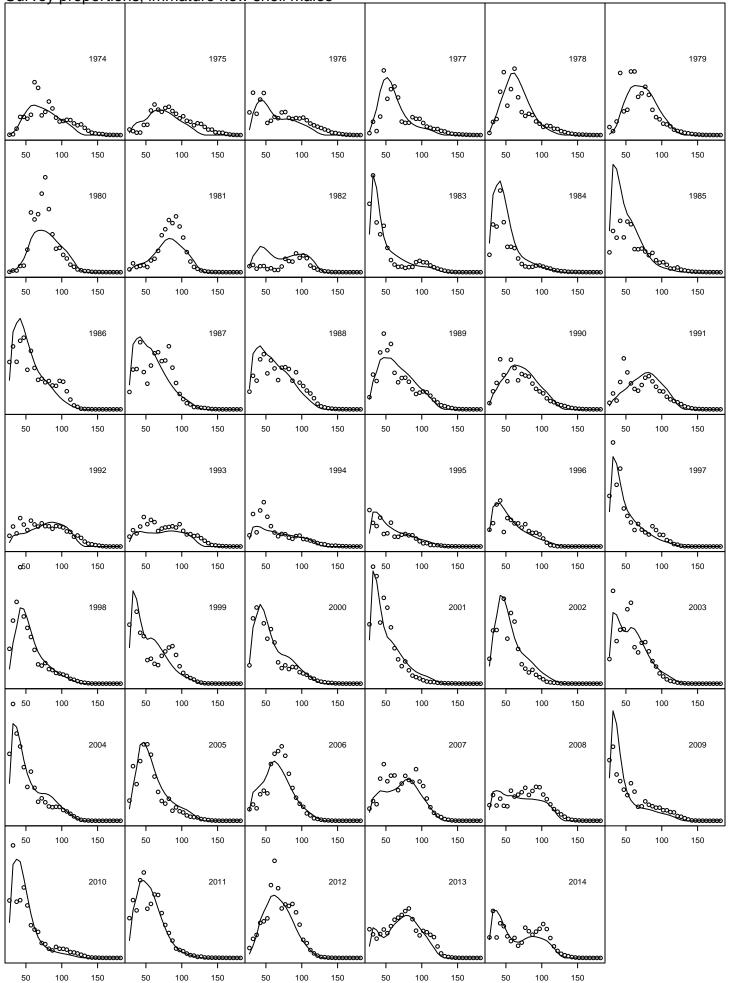


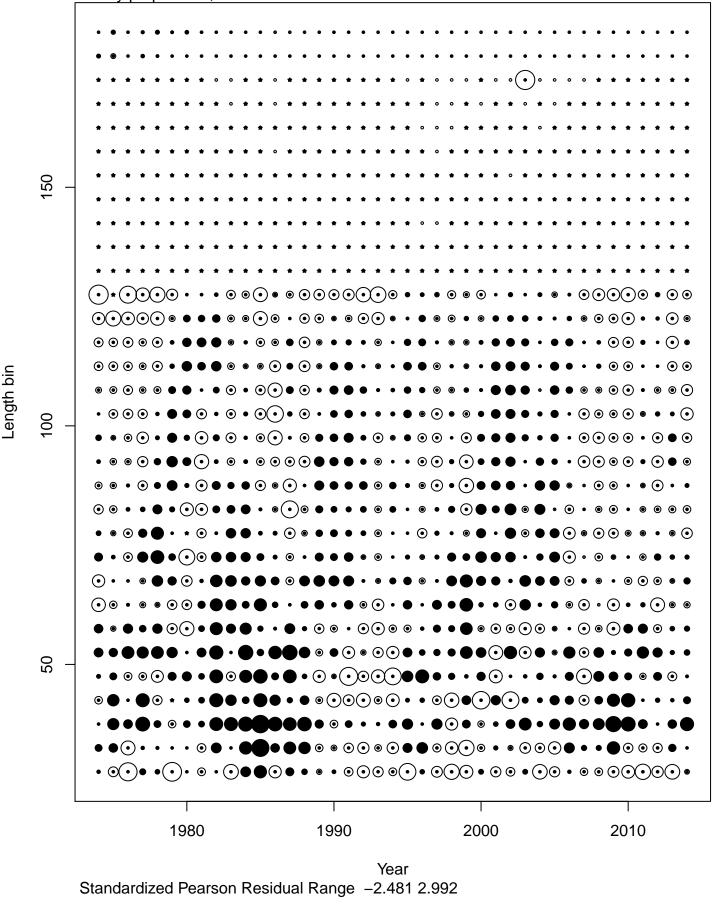
Survey proportions, mature old shell females



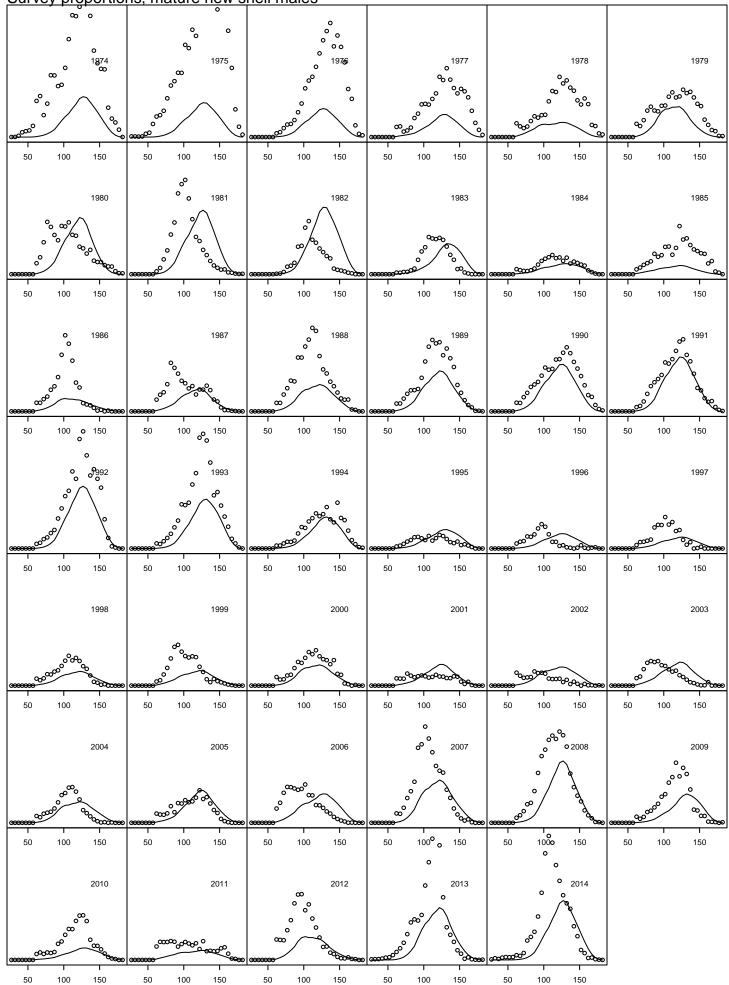


Survey proportions, immature new shell males





Survey proportions, mature new shell males



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Length bin



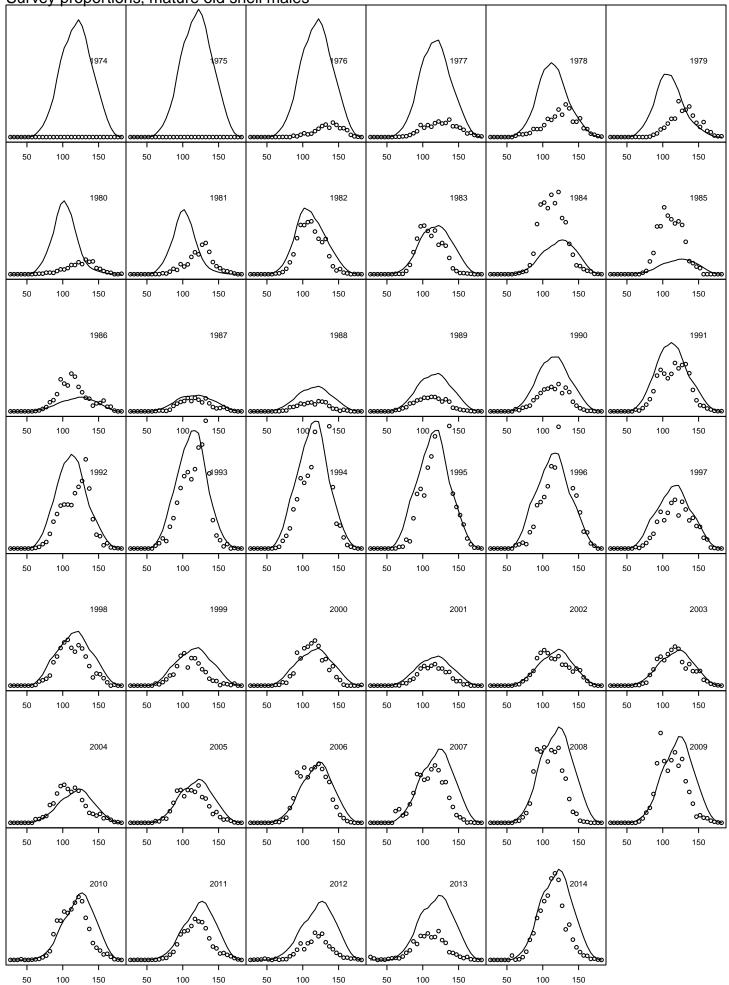
1990

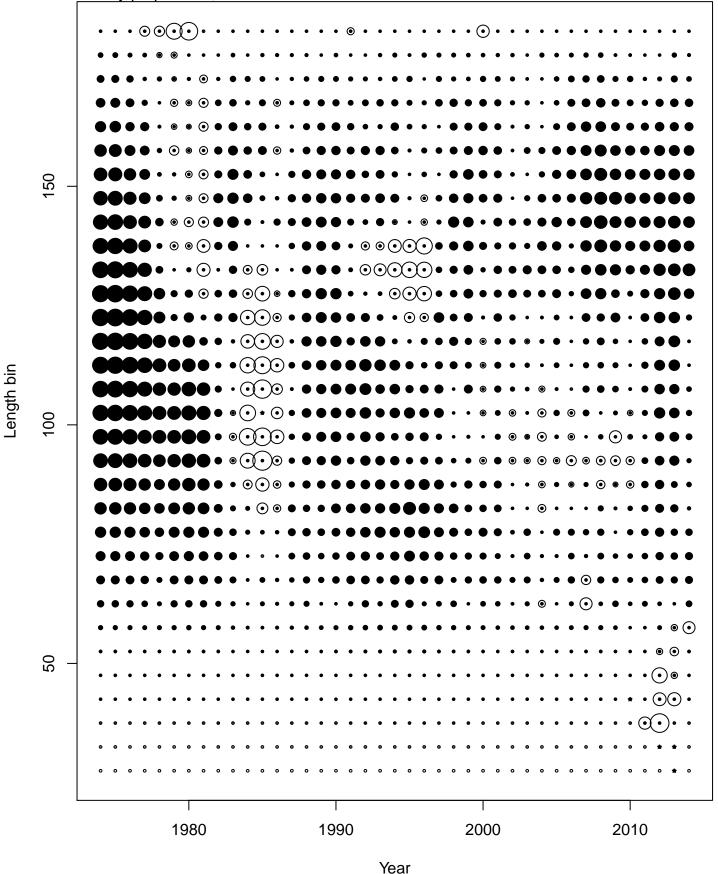
2000

2010

1980

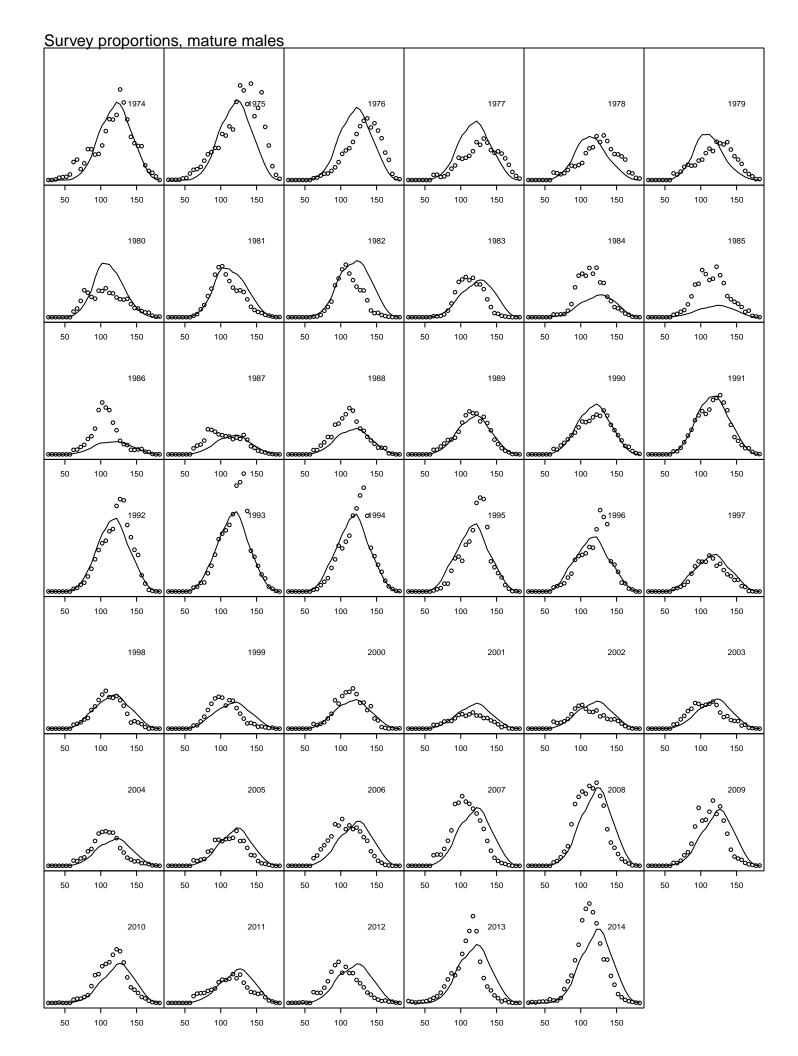
Survey proportions, mature old shell males





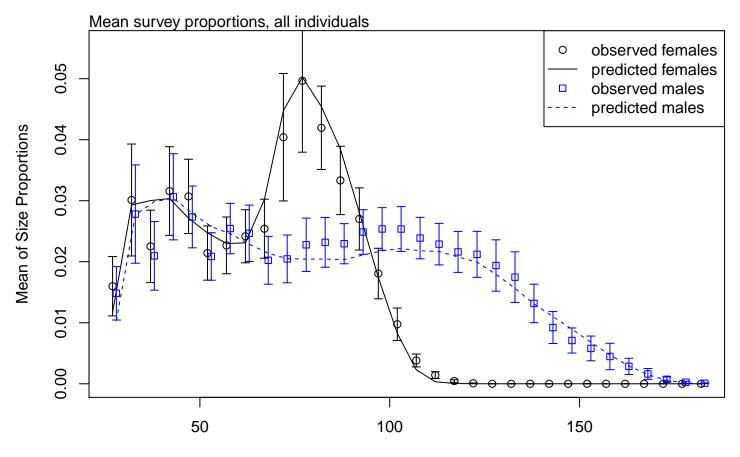
Survey proportions, mature old shell males

Standardized Pearson Residual Range -2.273 2.976

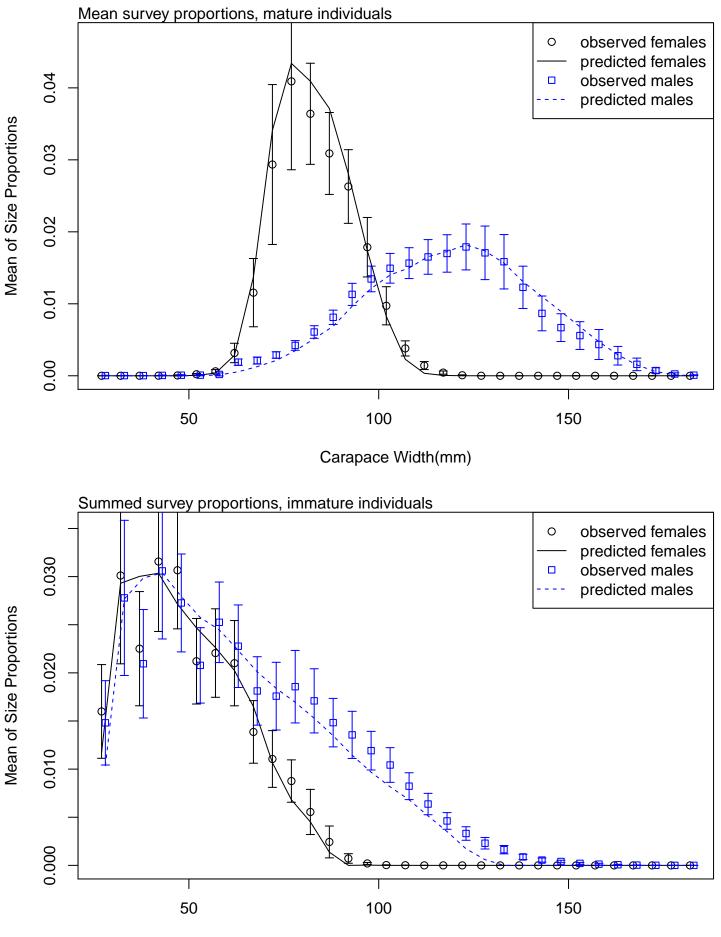


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Standardized Pearson Residual Range -1.424 2.964

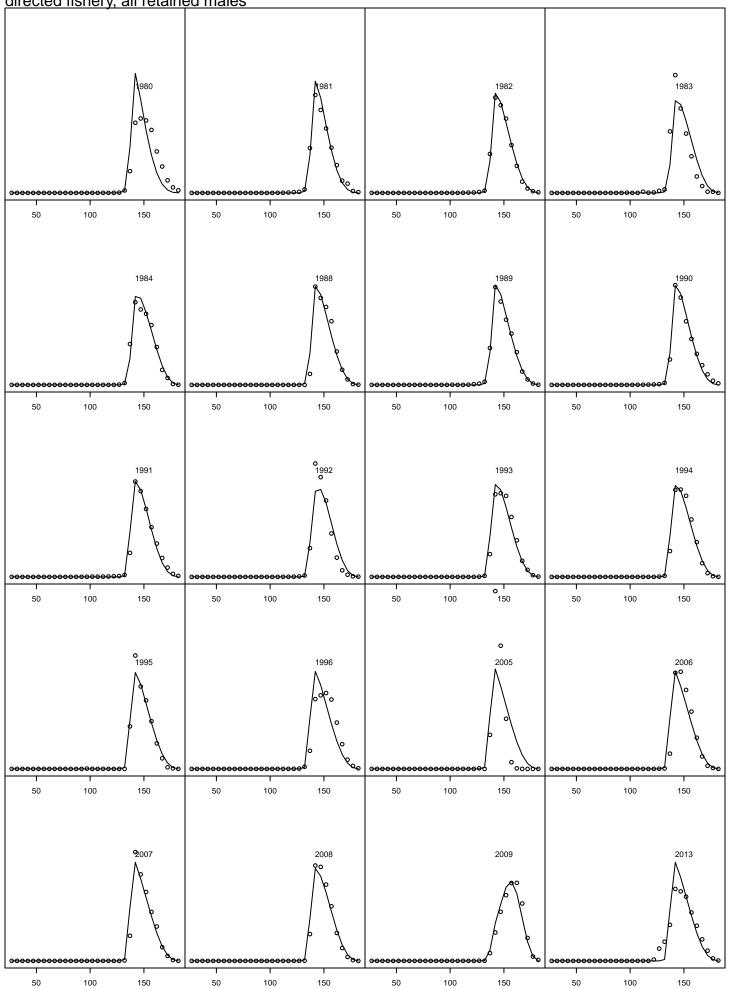


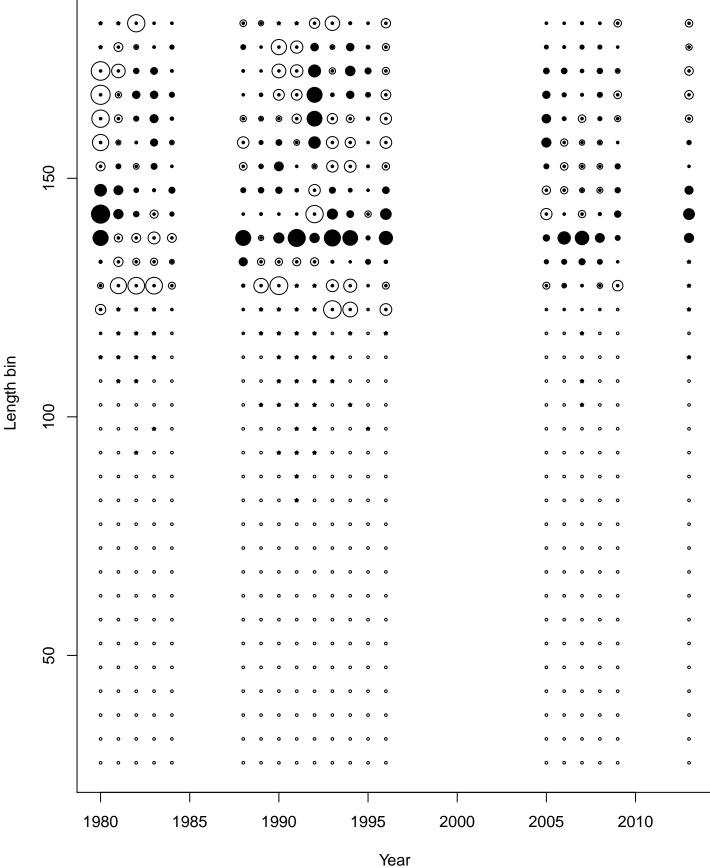
Carapace Width(mm)



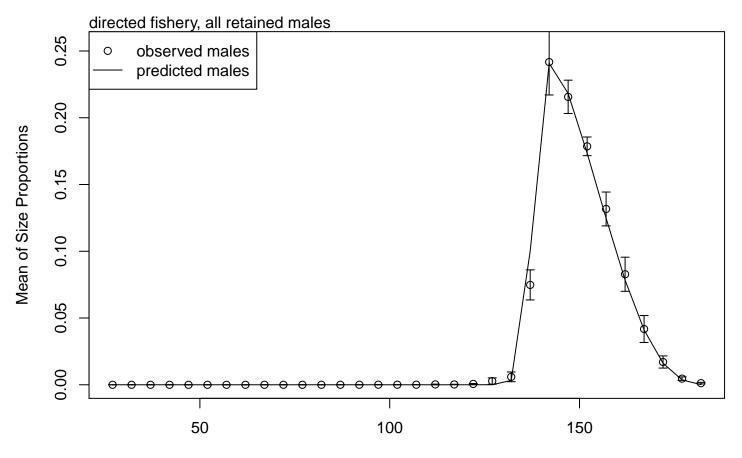
Carapace Width(mm)

directed fishery, all retained males



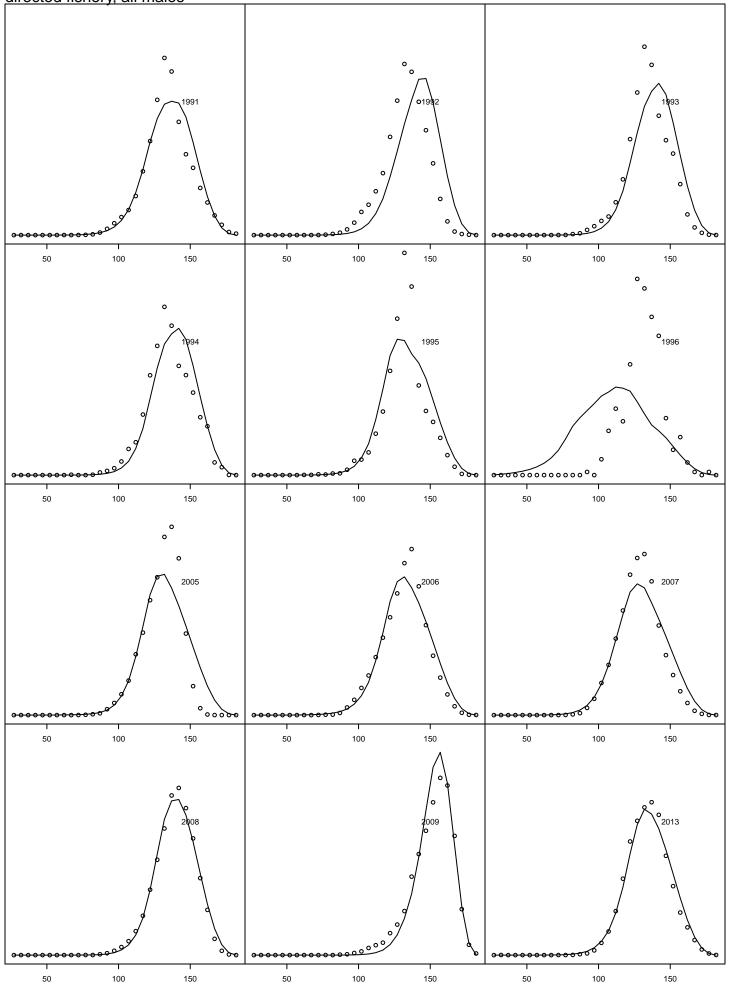


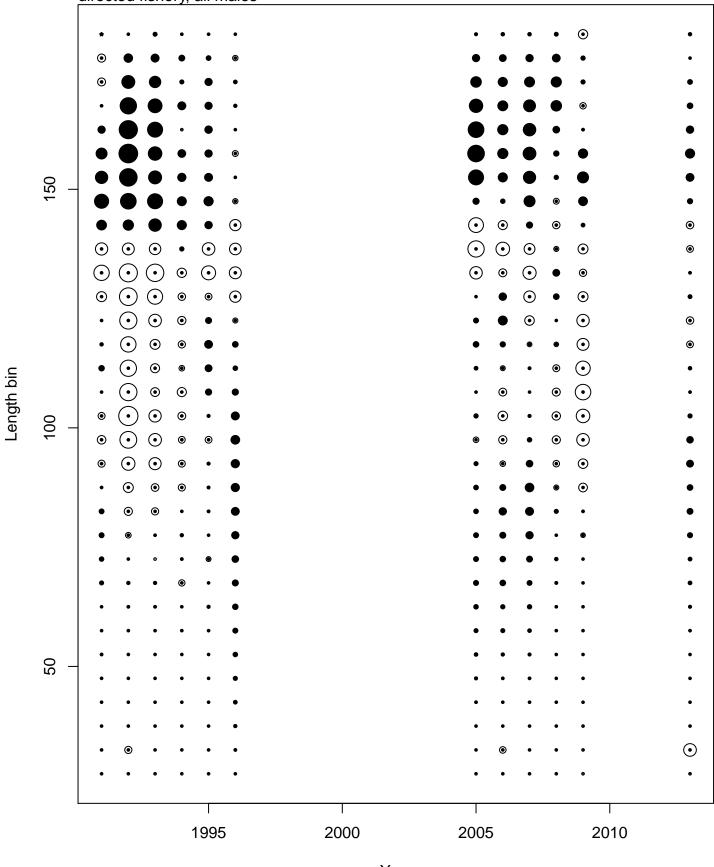
Standardized Pearson Residual Range -2.667 2.971



Carapace Width(mm)

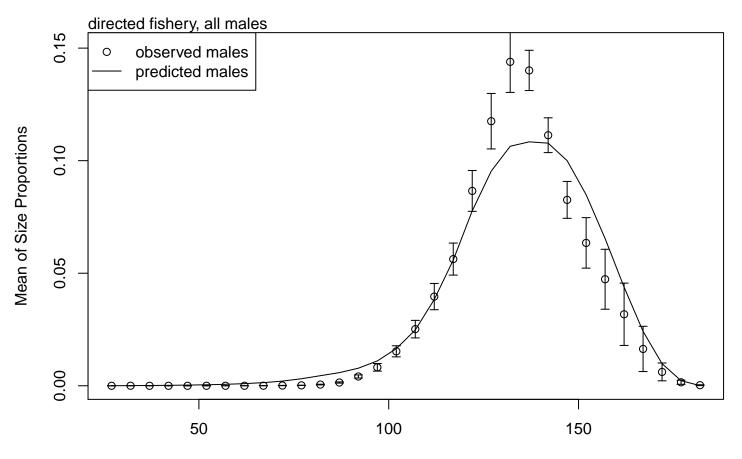
directed fishery, all males





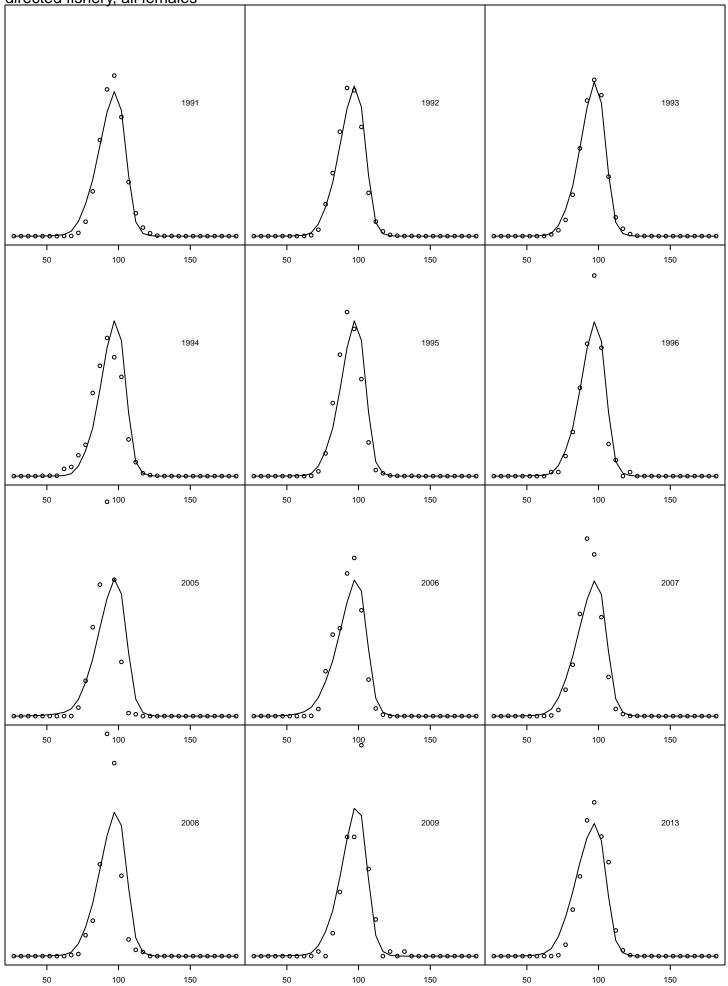
Year Standardized Pearson Residual Range –2.701 2.854

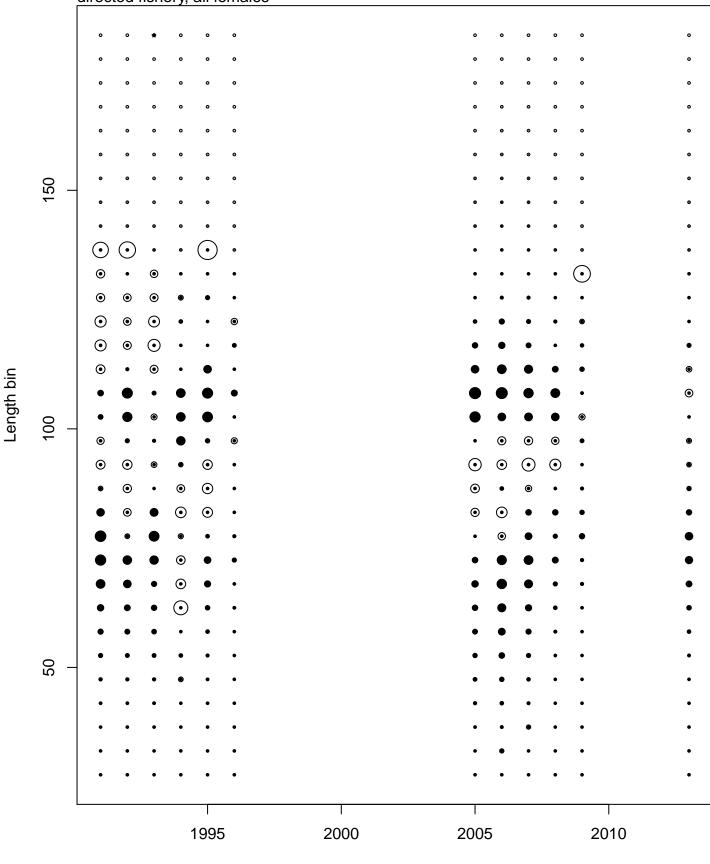
directed fishery, all males



Carapace Width(mm)

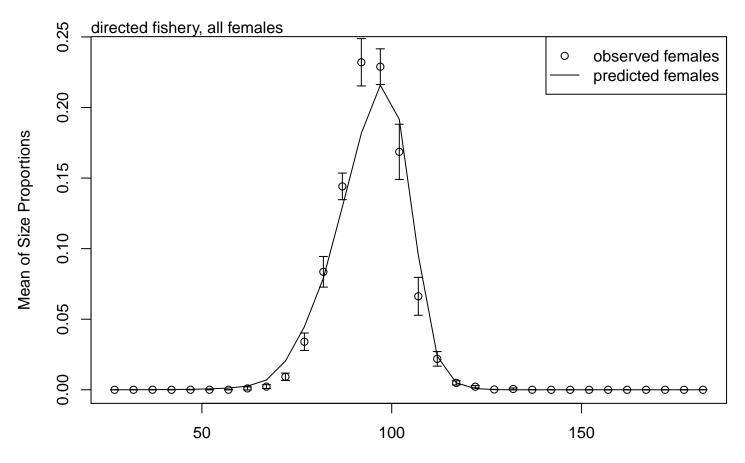
directed fishery, all females





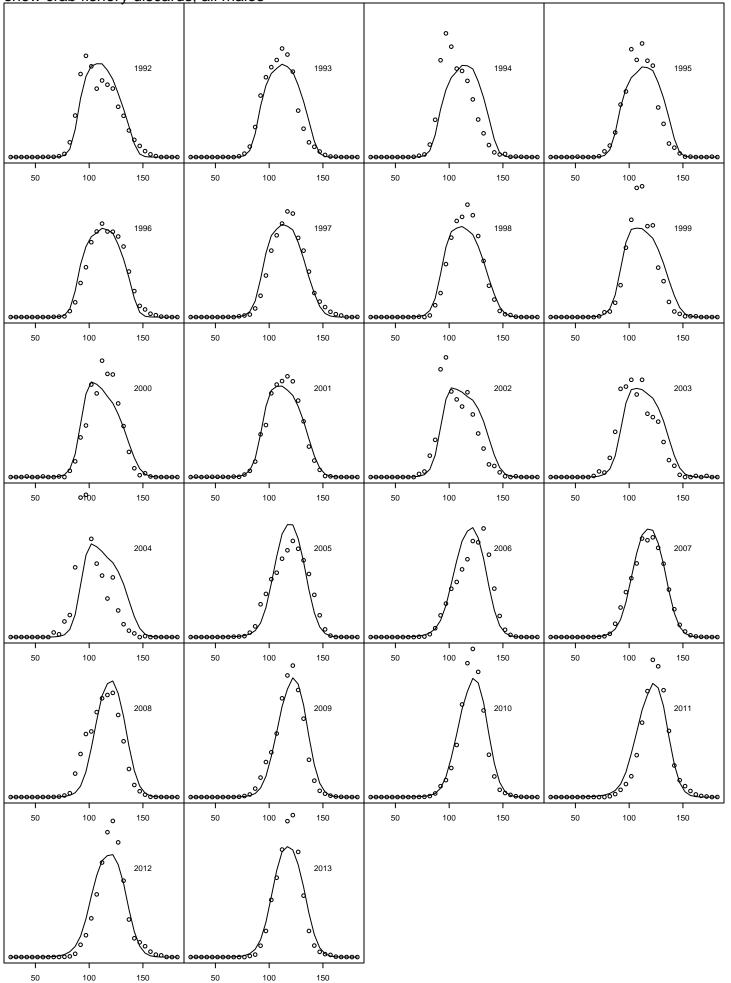
Year Standardized Pearson Residual Range -0.865 2.571

directed fishery, all females

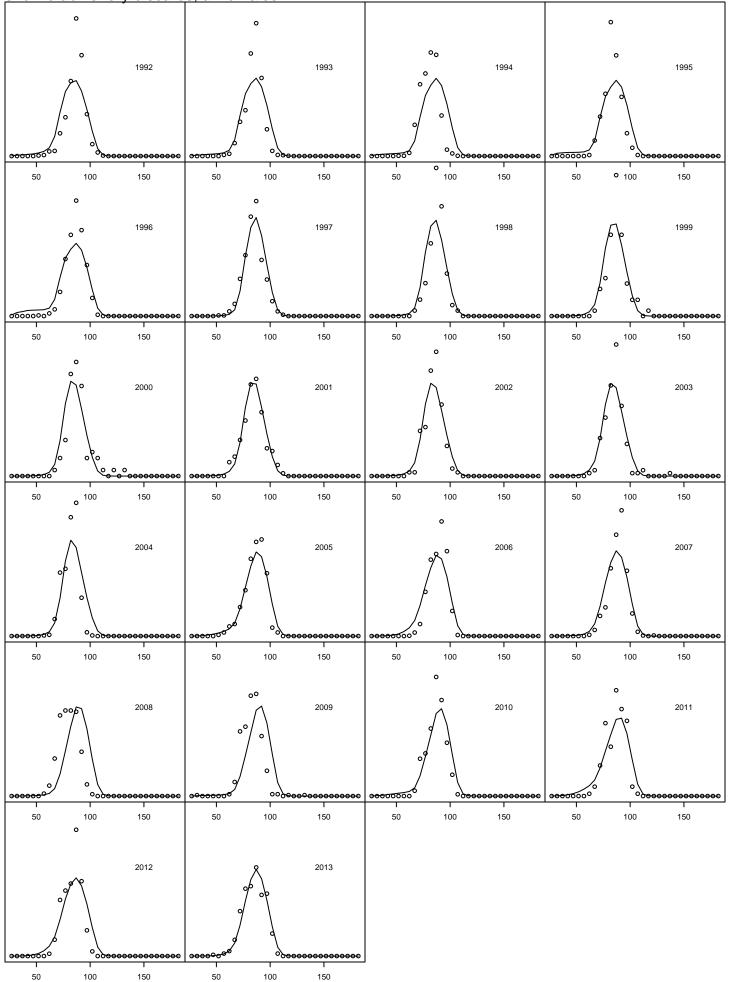


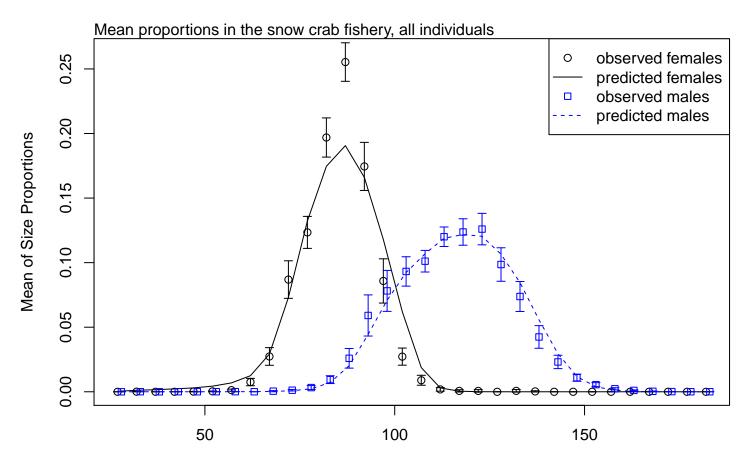
Carapace Width(mm)

snow crab fishery discards, all males



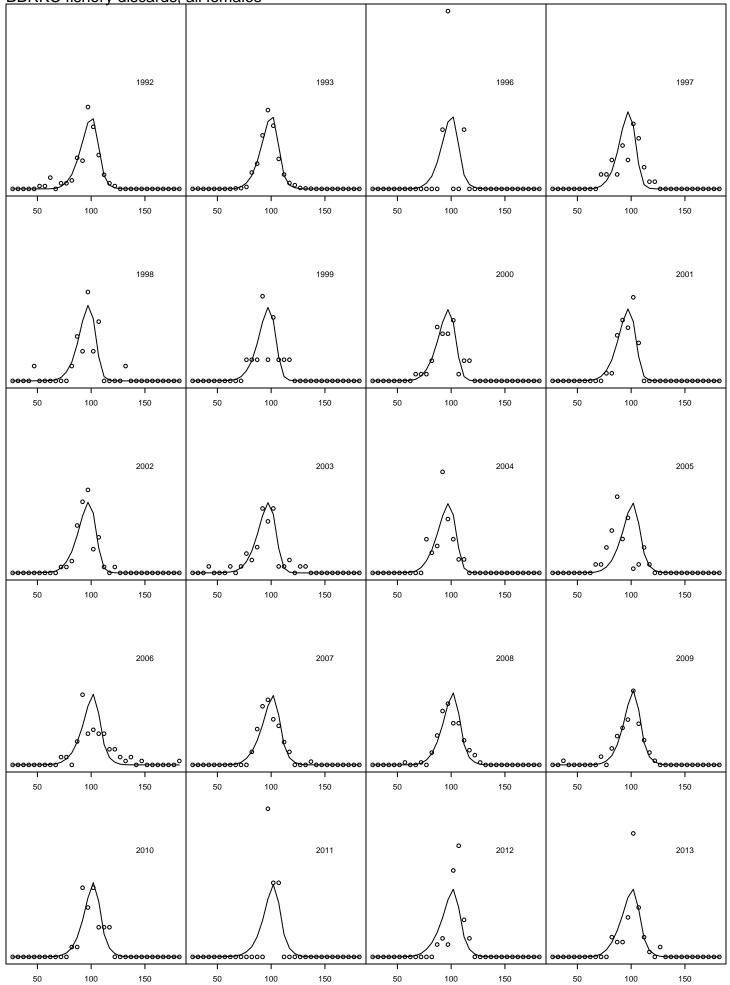
snow crab fishery discards, all females



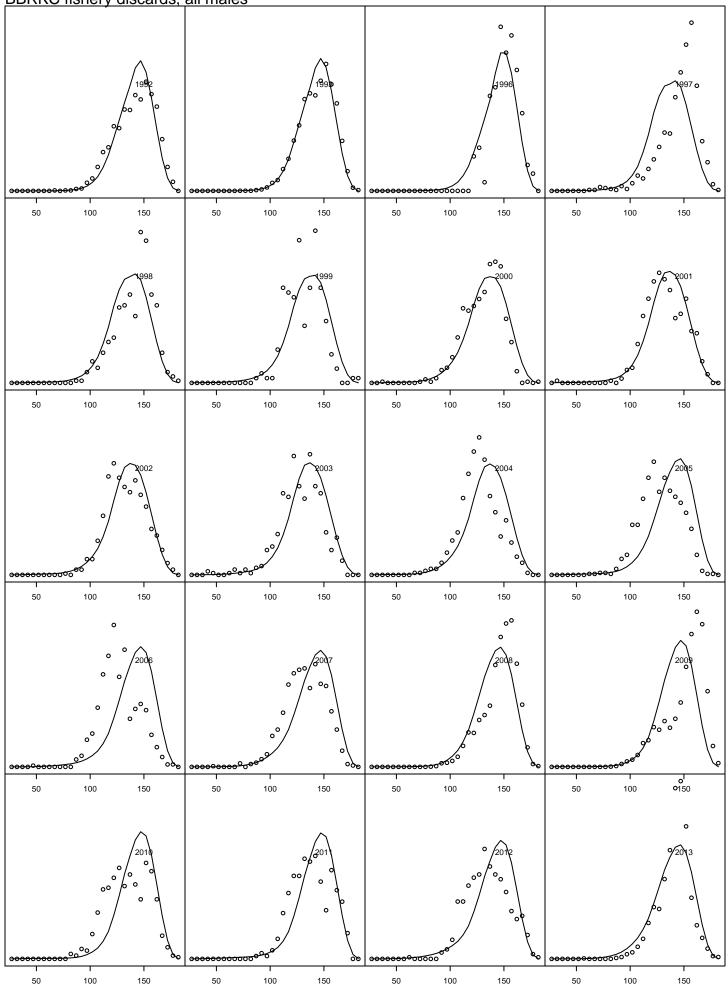


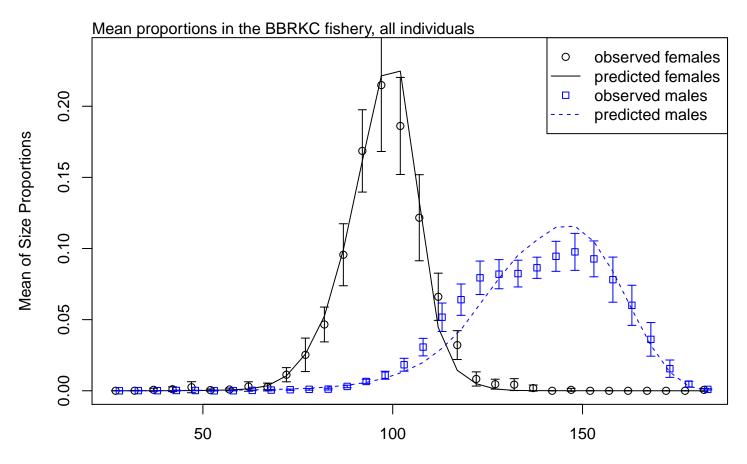
Carapace Width(mm)

BBRKC fishery discards, all females



BBRKC fishery discards, all males

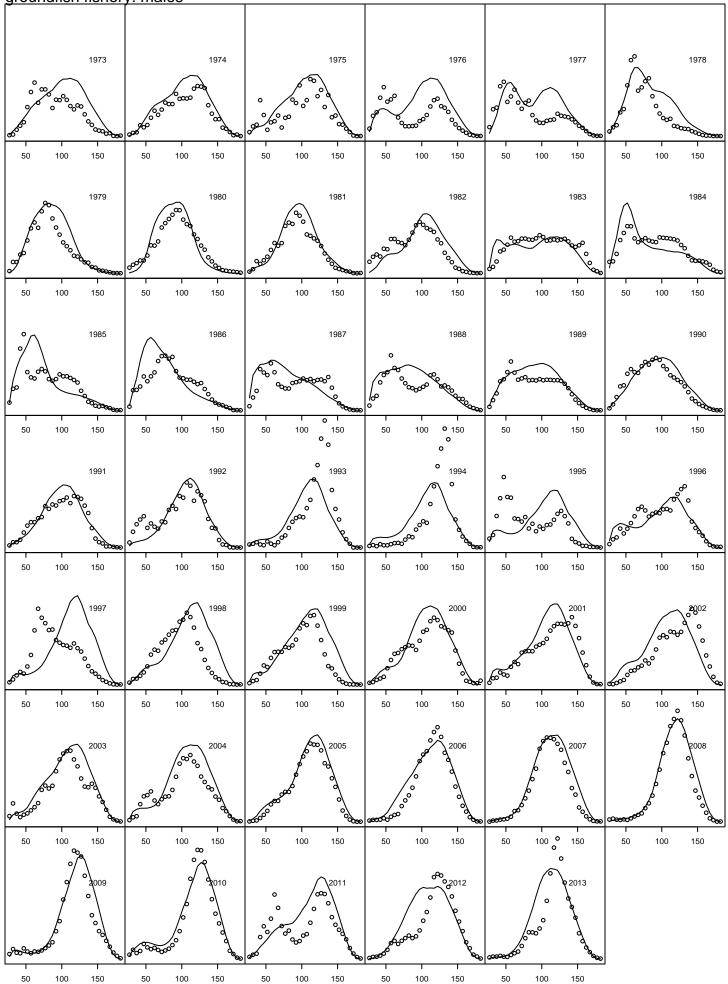


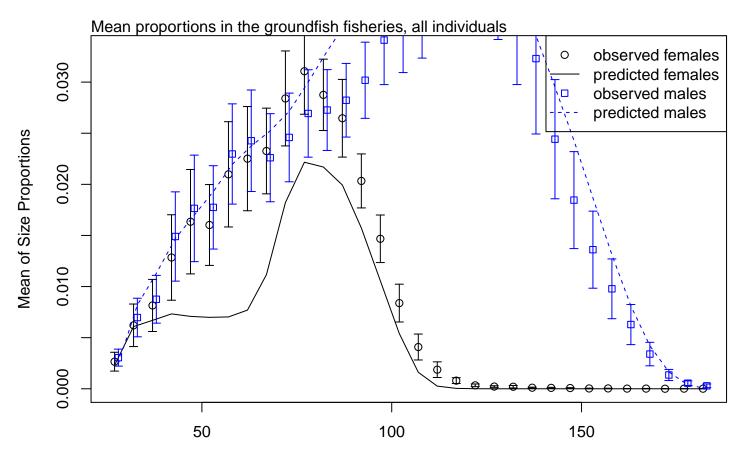


Carapace Width(mm)

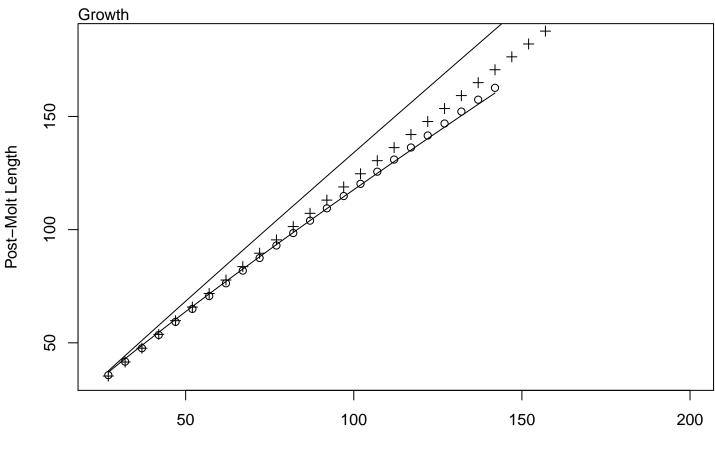
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groundfish fishery: males

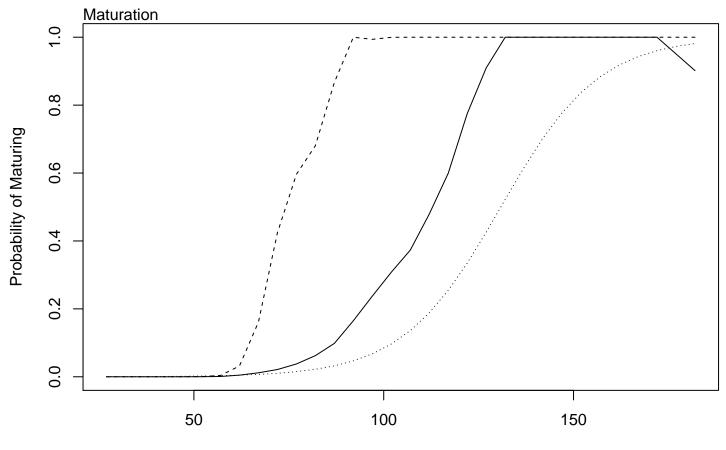




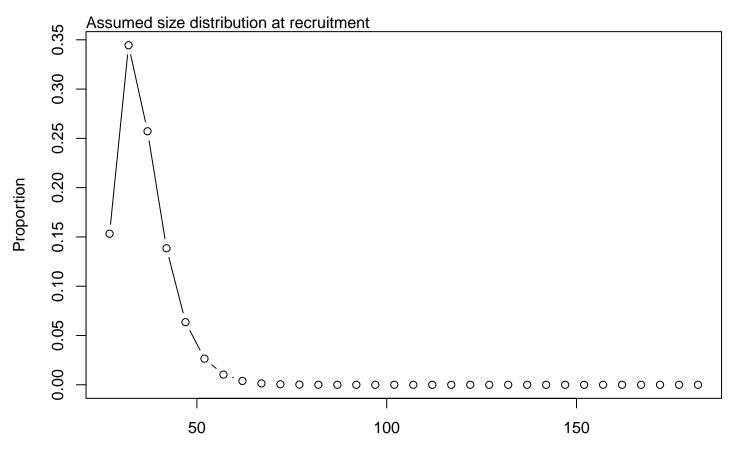
Carapace Width(mm)



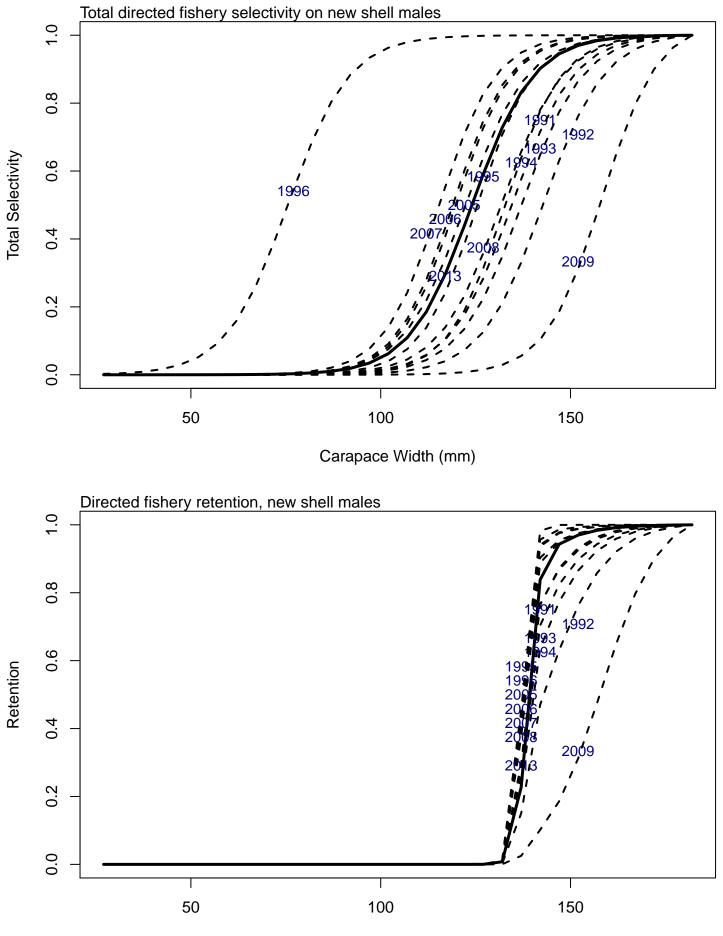


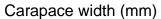


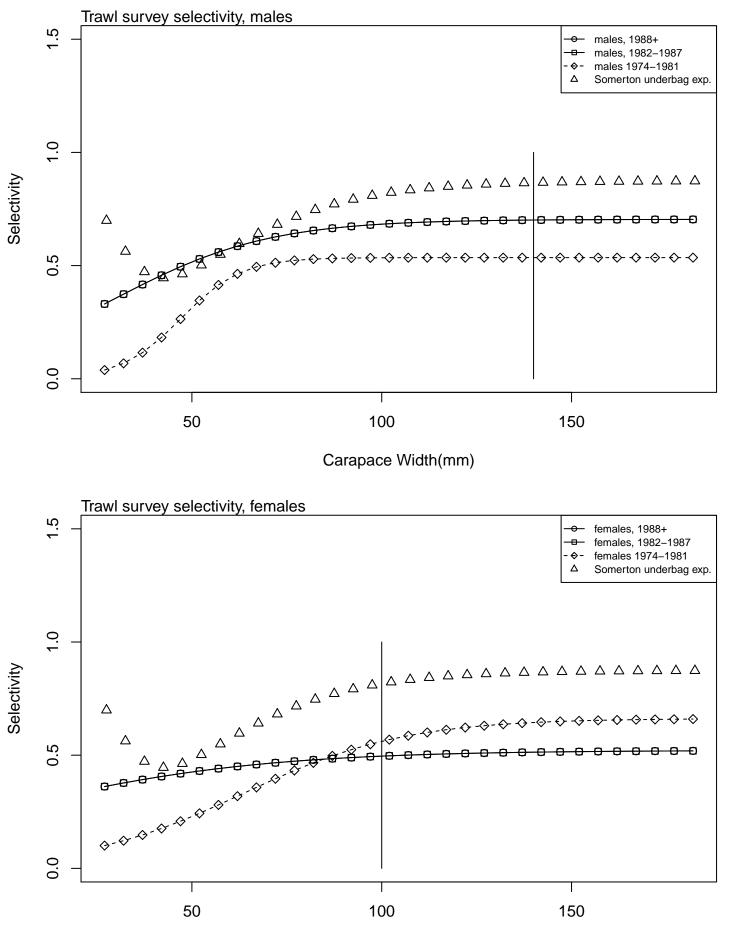


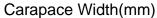


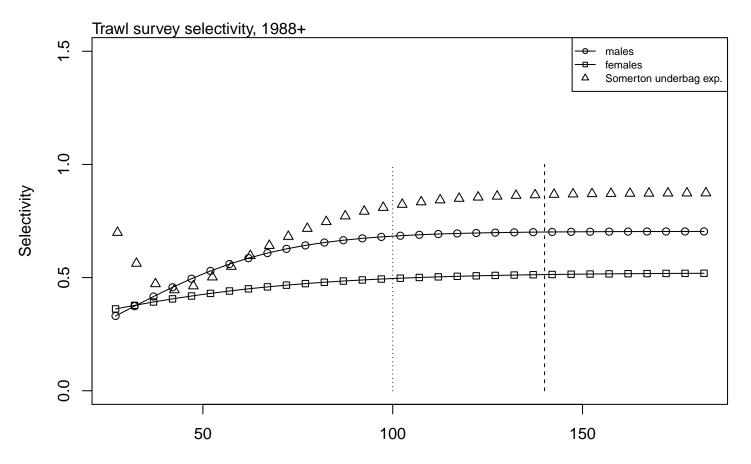
Carapace Width (mm)



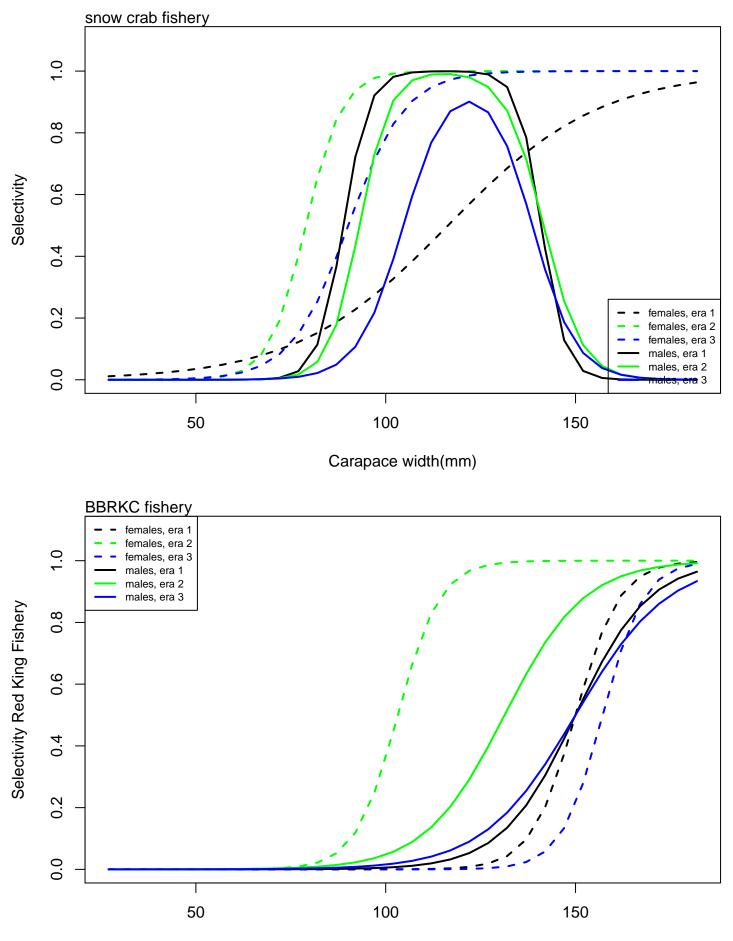




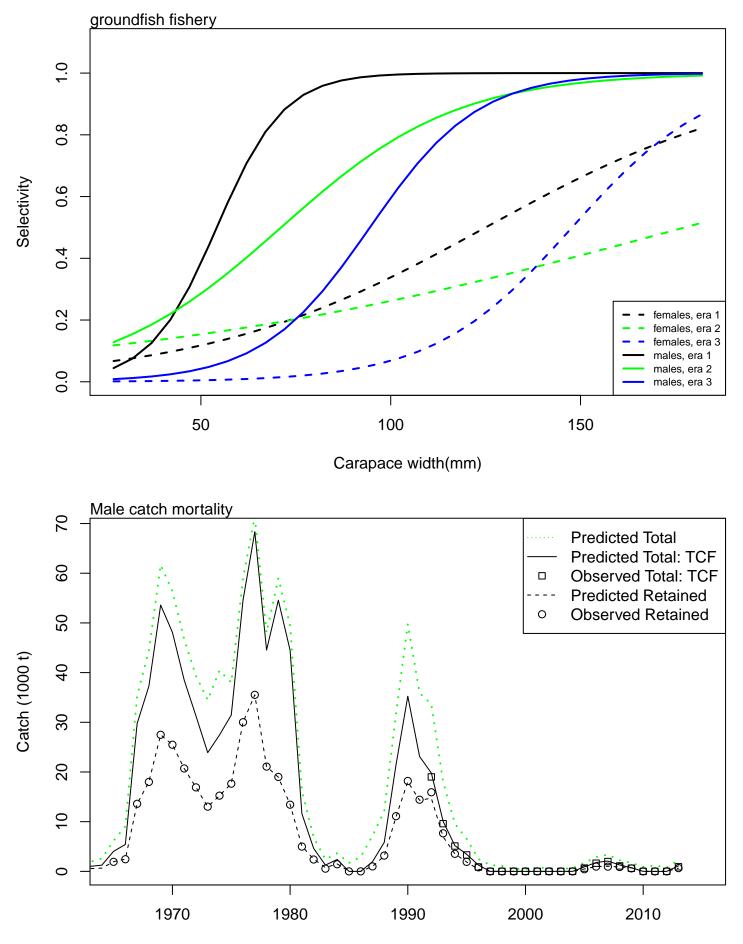




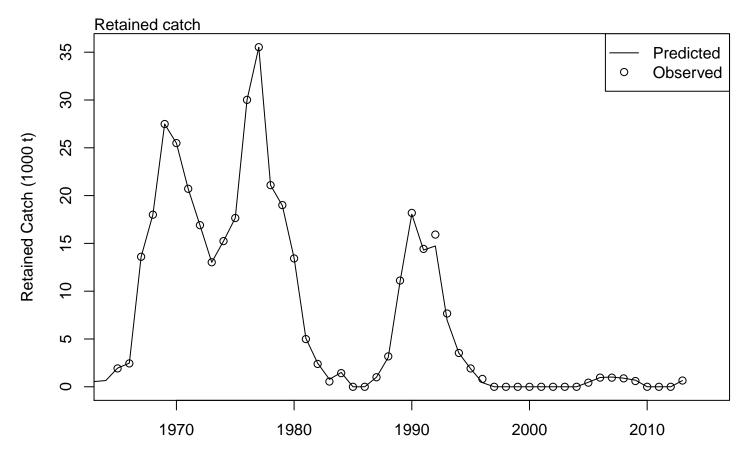
Carapace Width(mm)



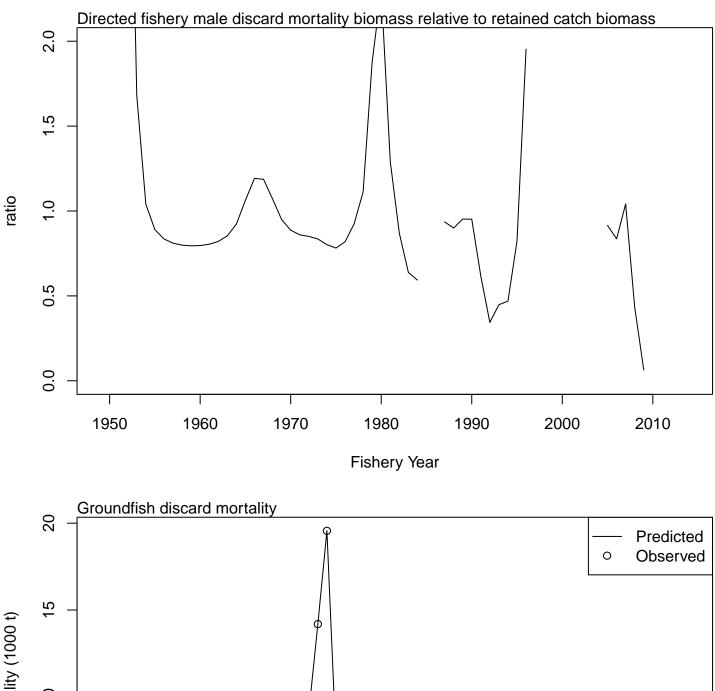
Carapace width(mm)

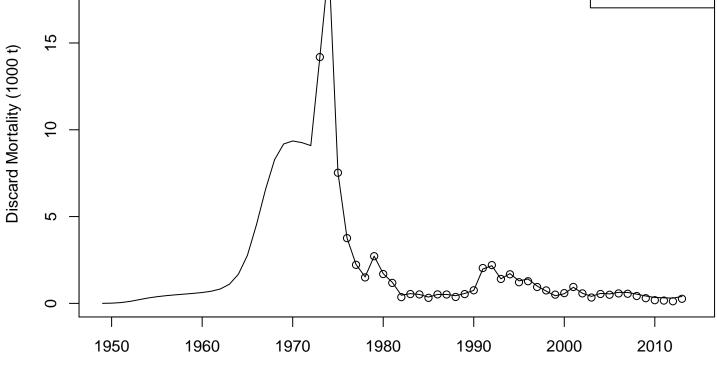


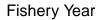
Fishery Year

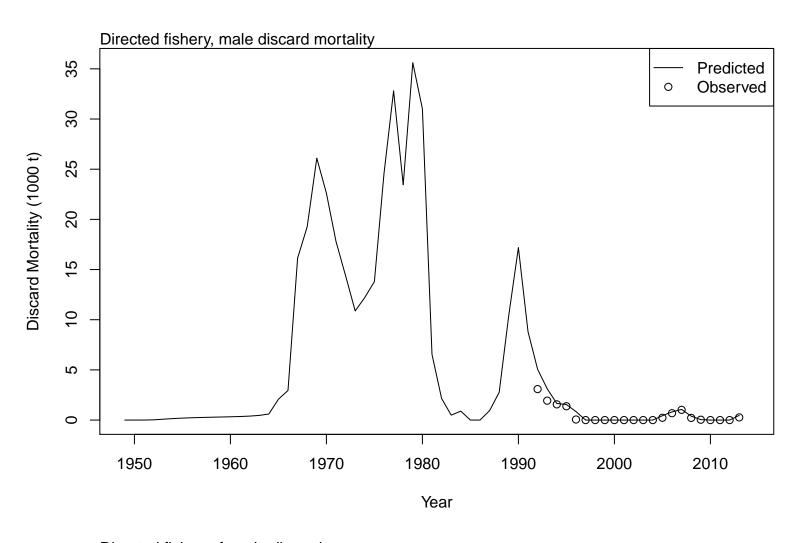


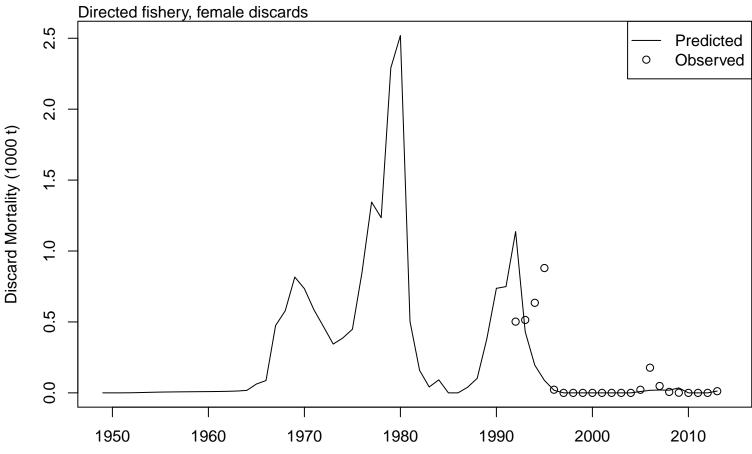
Fishery Year



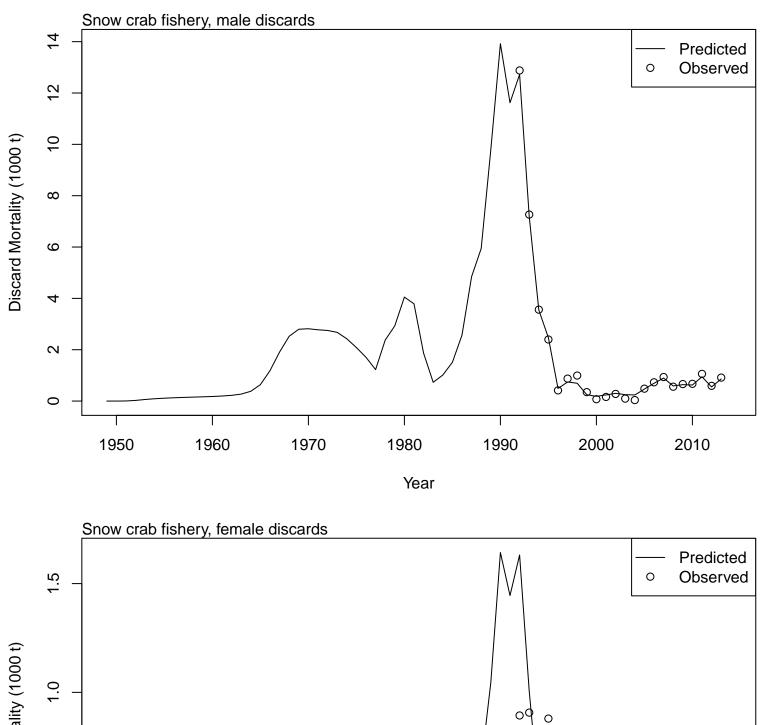




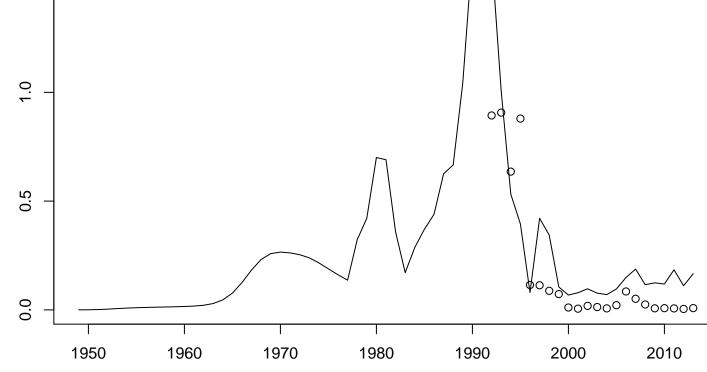




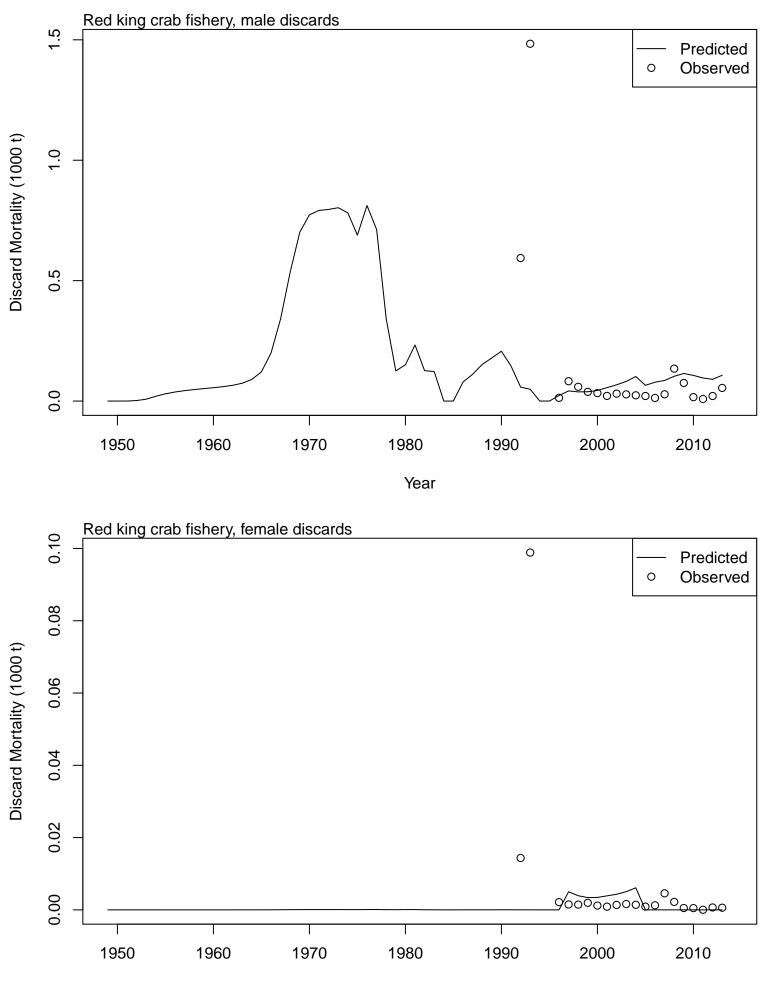
Year



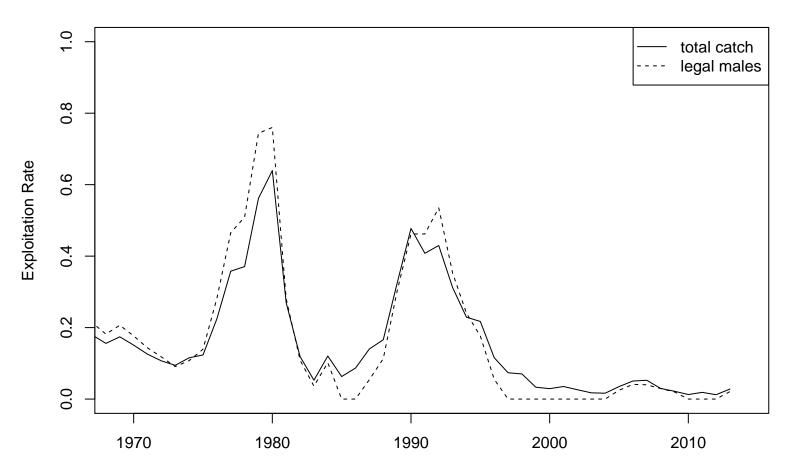




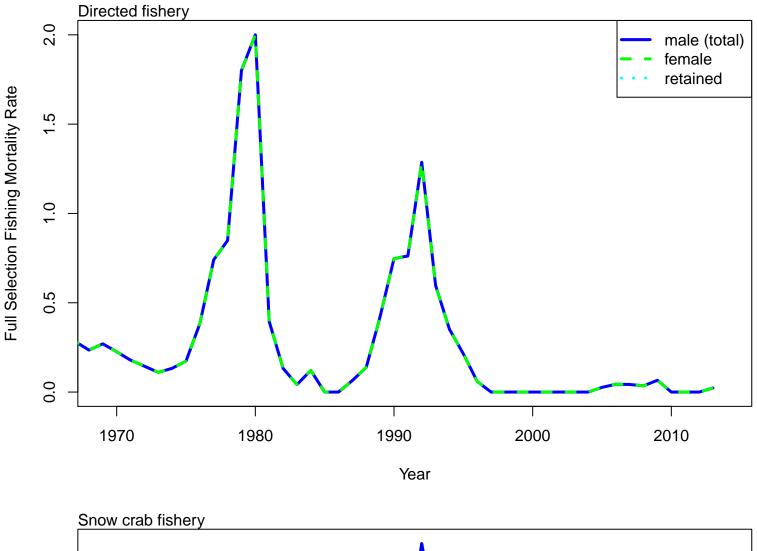
Year



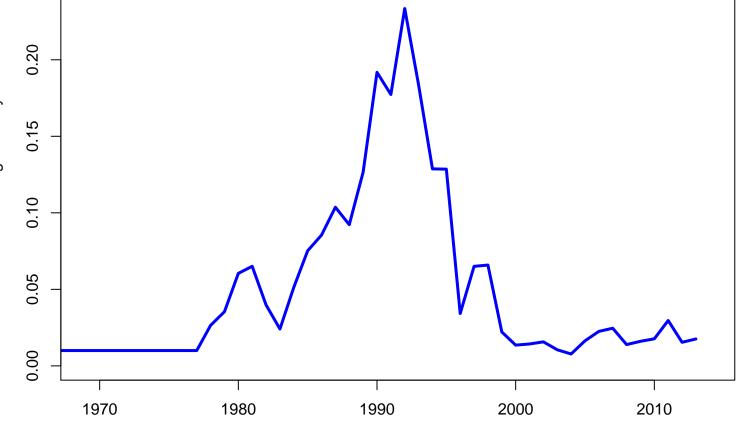
Year

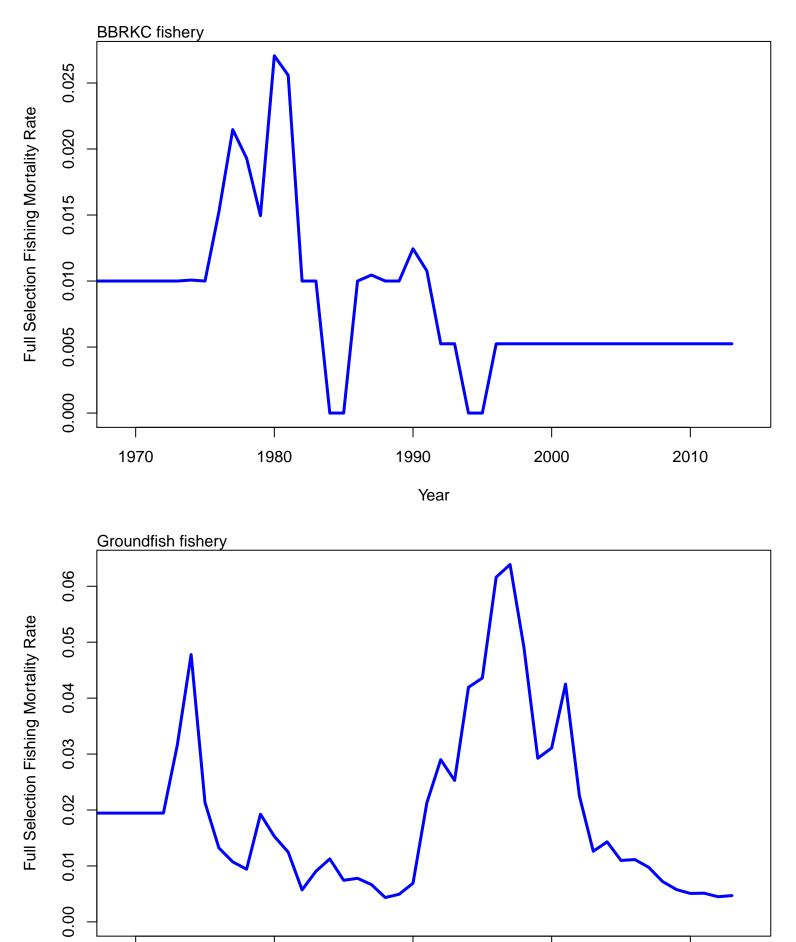


Year



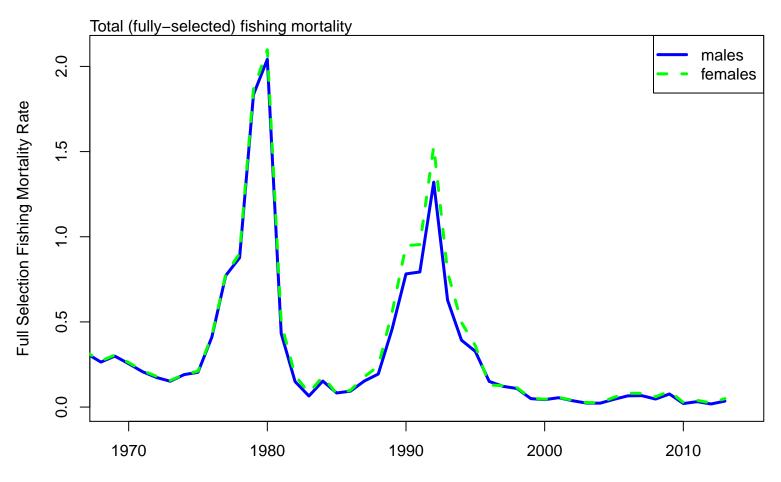




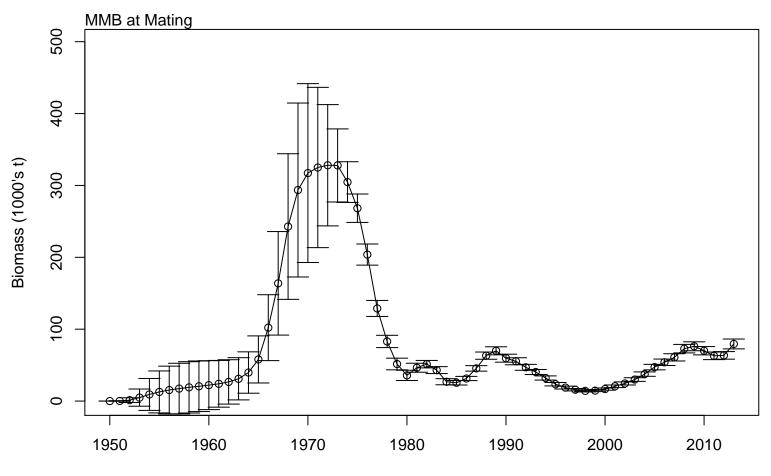




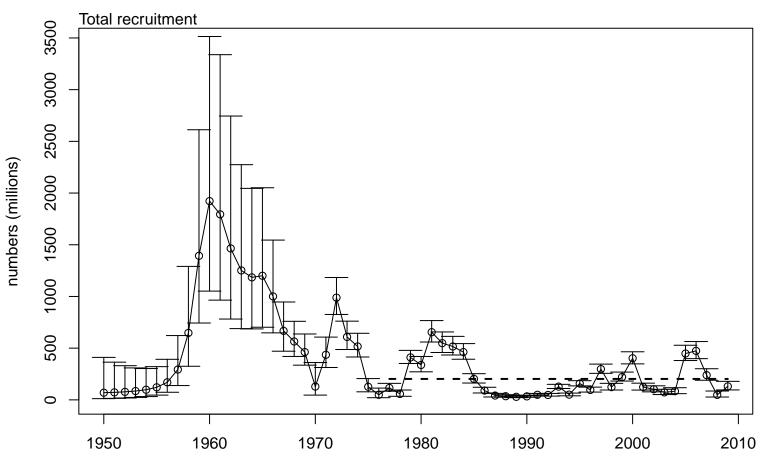




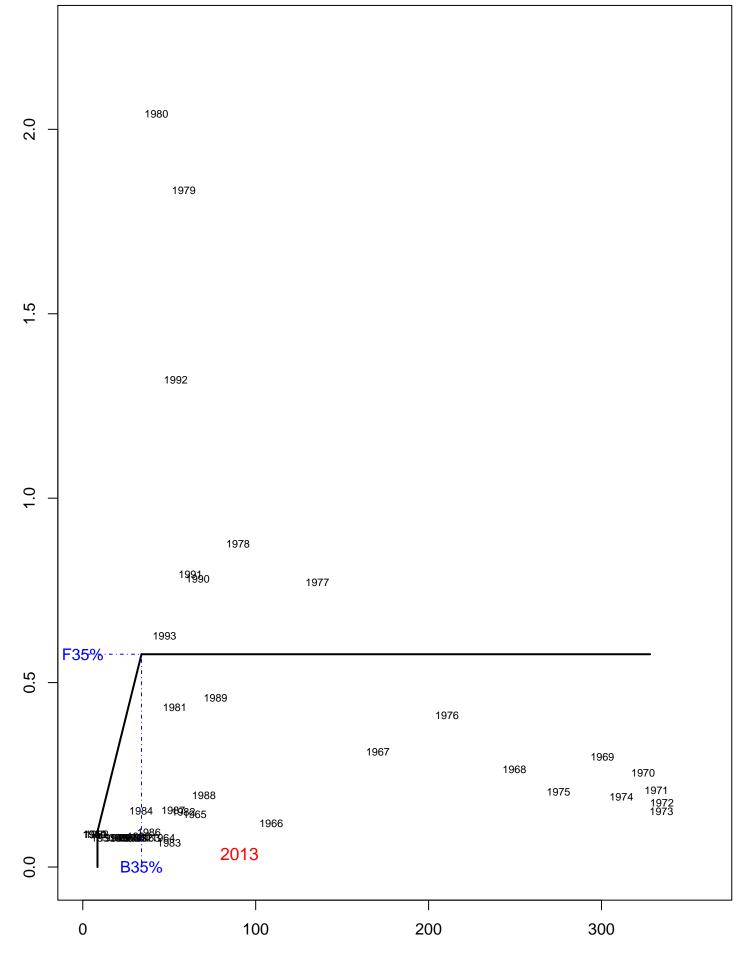






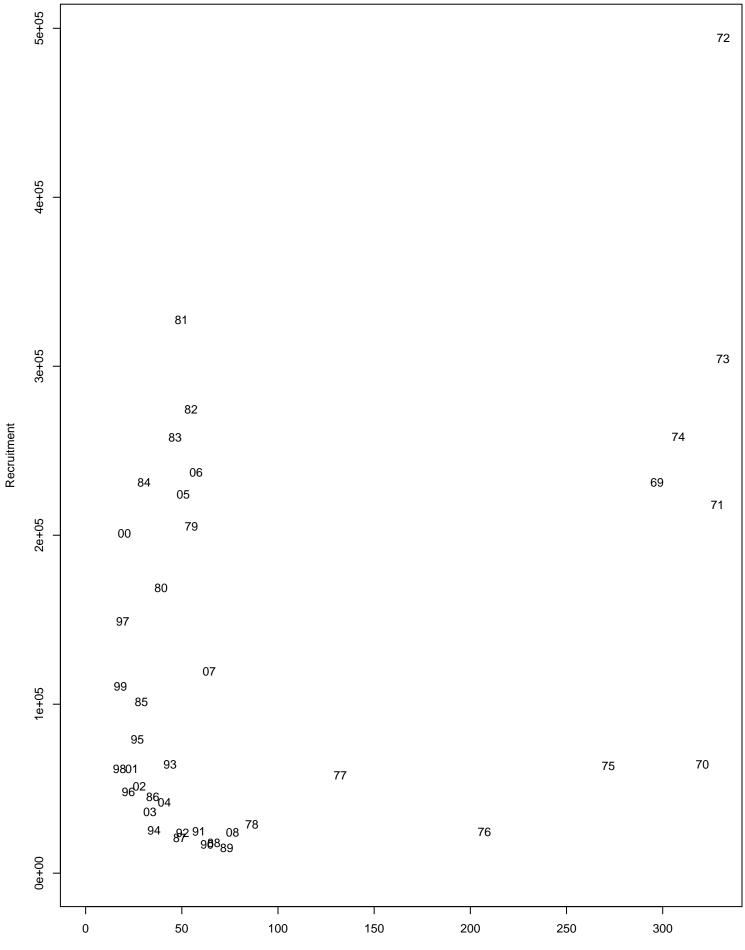


Fertilization Year



MMB (1000 t)

Full Selection Fishing Mortality Rate



Male Spawning Biomass(1000 t) at Feb. 15