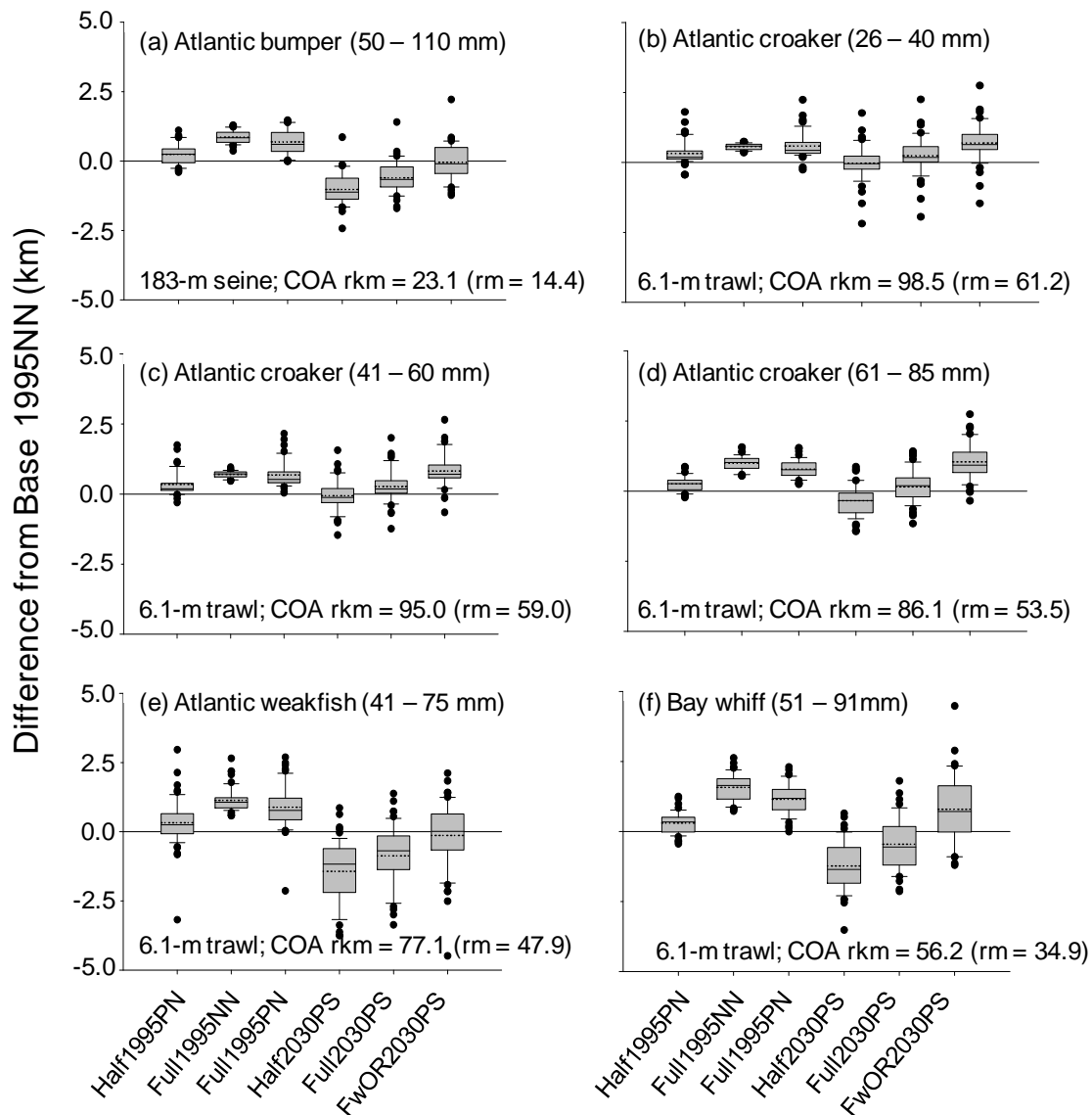


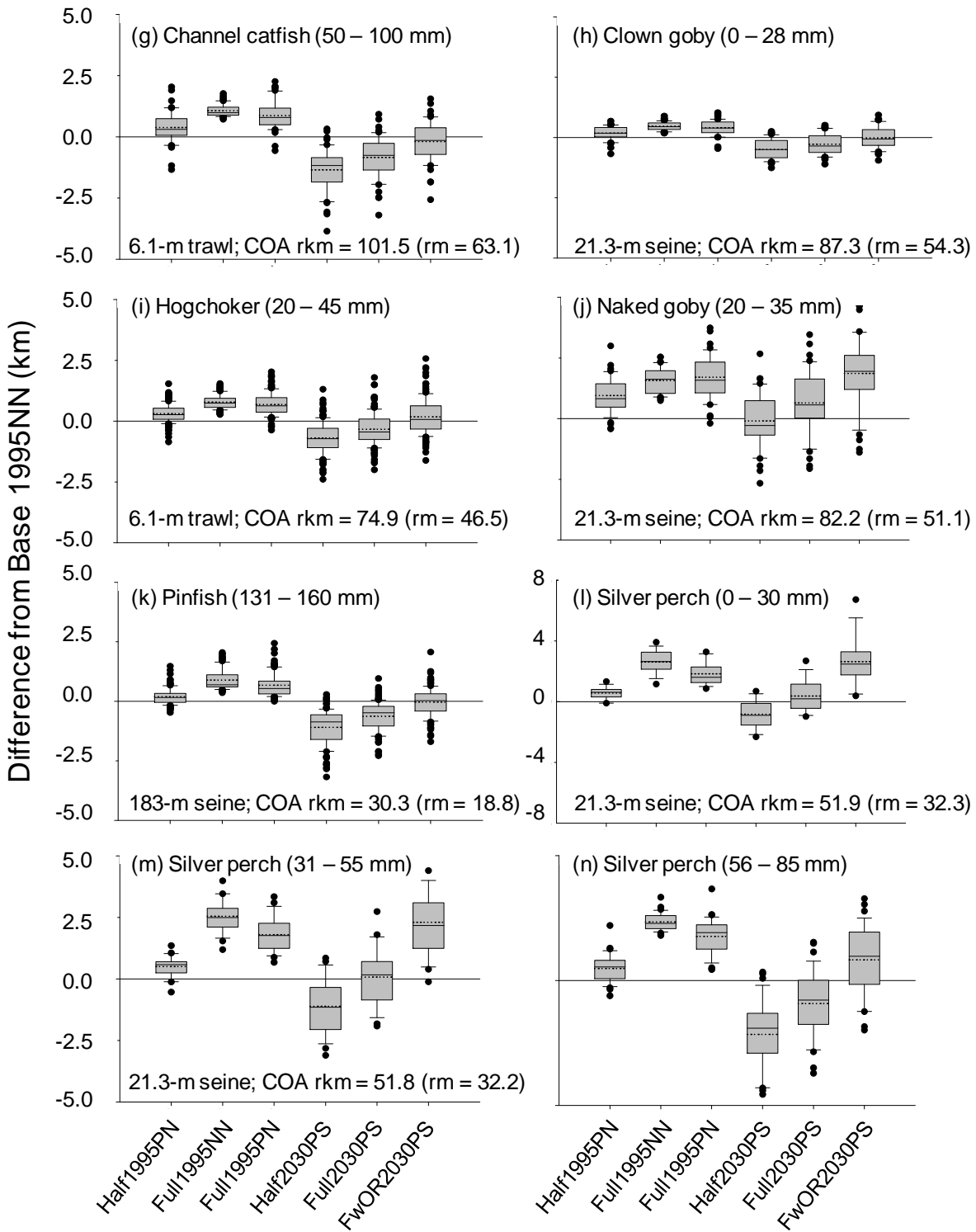
## APPENDIX 12.G. SUMMARY OF PREDICTED CHANGES IN PSEUDO-SPECIES DISTRIBUTION, MONTHLY ABUNDANCE AND ANNUAL ABUNDANCE FOR SIX MODELED WITHDRAWAL SCENARIOS COMPARED TO BASE1995NN.

### Distribution

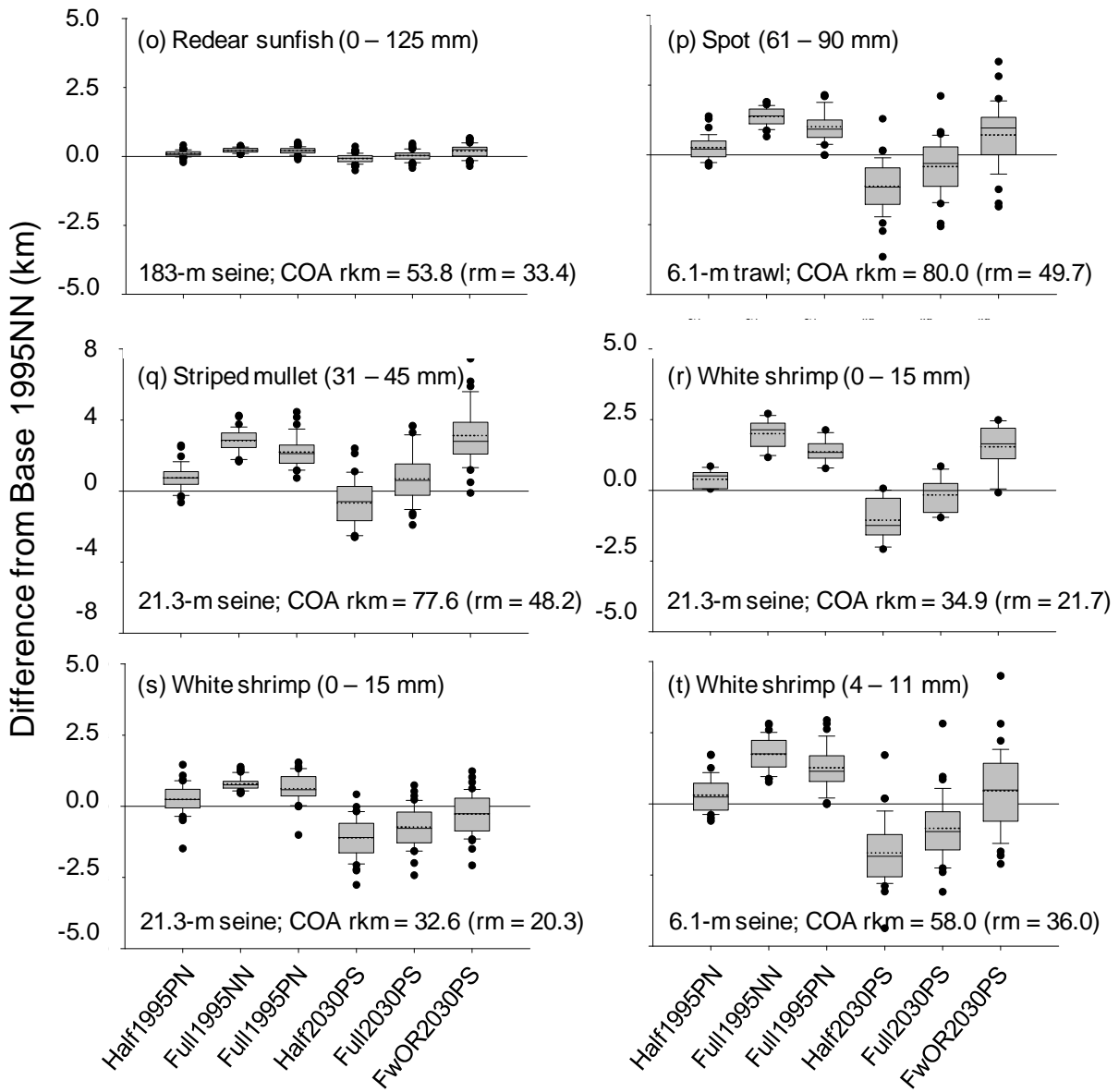
Box and whisker plots of the estimated difference in km in center of abundance between 6 modeled withdrawal scenarios and the Base1995NN for 20 pseudo-species that exhibited the strongest distributional response to freshwater inflow. Dotted lines represent means; solids line represent medians. The box delimits the 1<sup>st</sup> and 3<sup>rd</sup> quartiles; whiskers to 10<sup>th</sup> and 90<sup>th</sup> percentiles. Points represent data below the 10<sup>th</sup> or above the 90<sup>th</sup> percentile. The center of abundance (COA) in river kilometers from the river mouth (rkm) is presented for the Base1995NN scenario.



## Distribution cont.

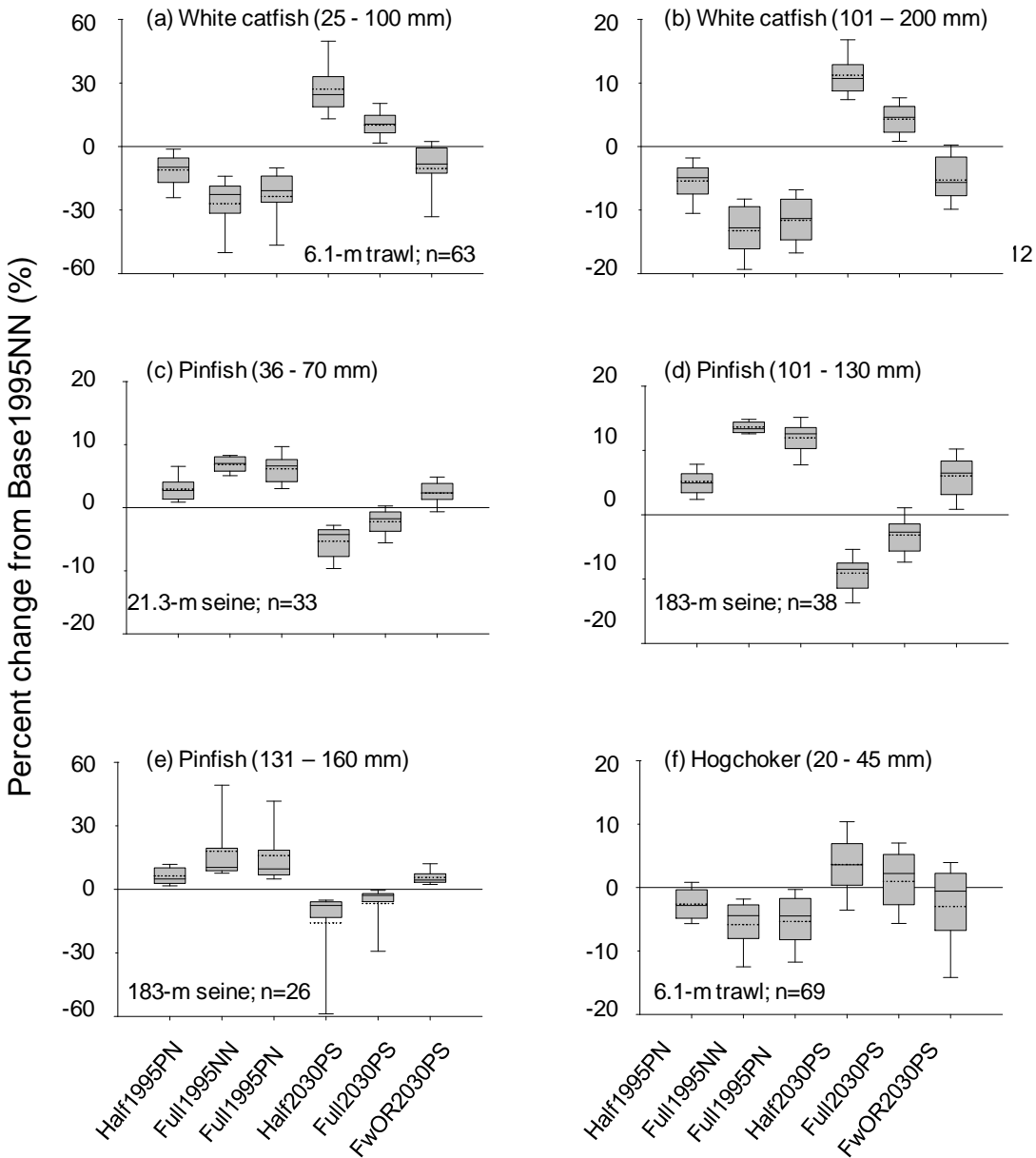


## Distribution cont.

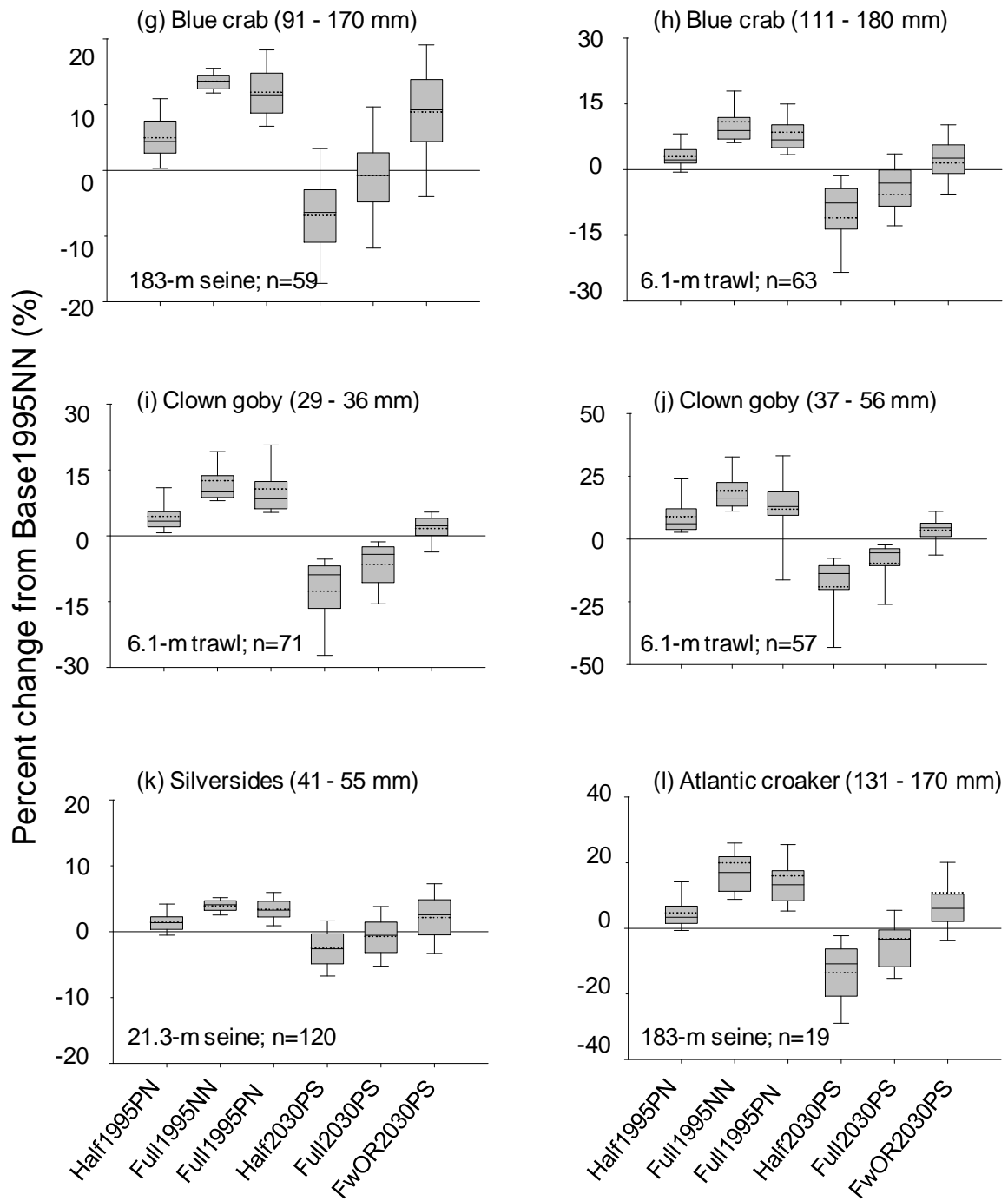


## Monthly Abundance

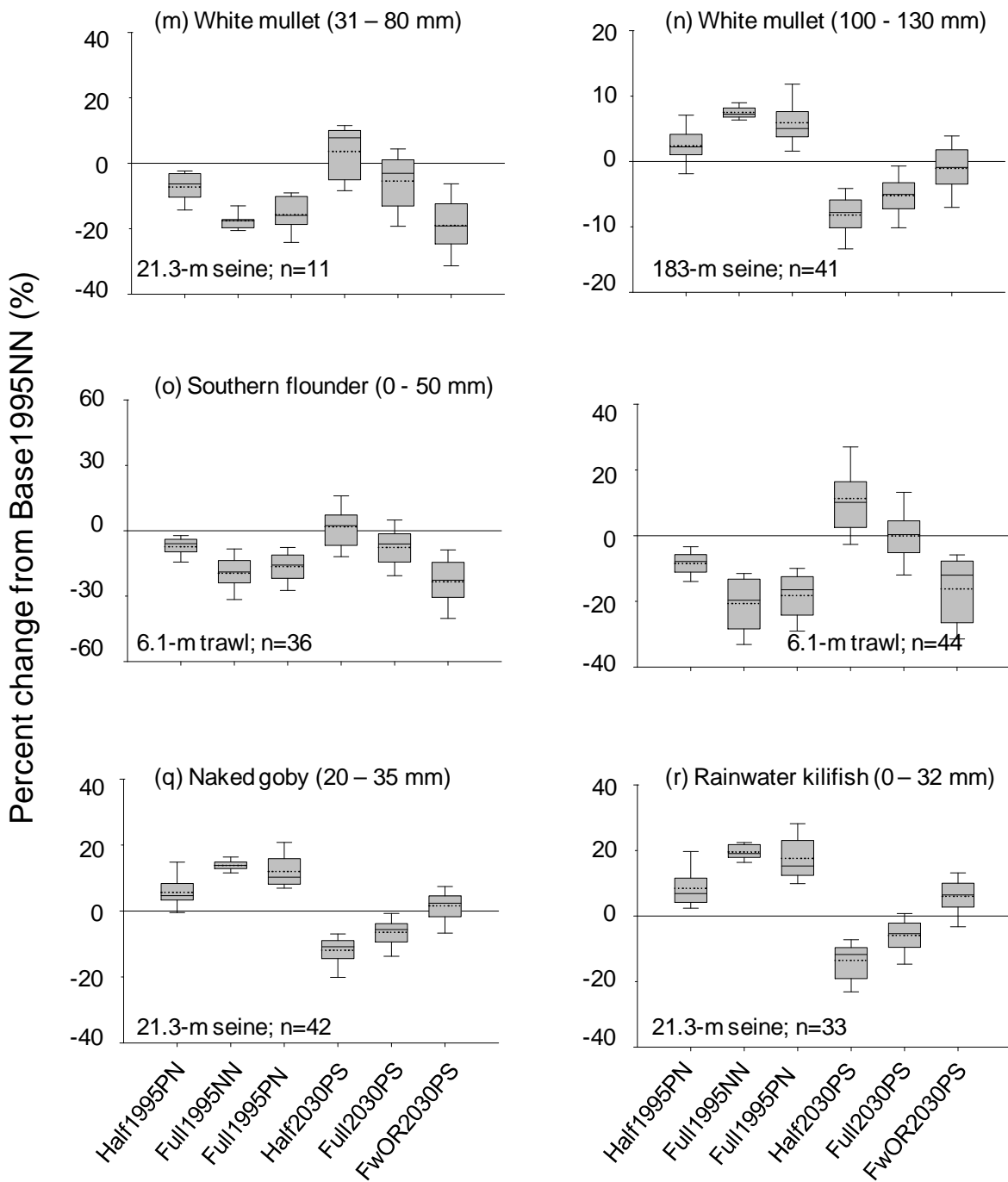
Box and whisker plots of the predicted percent change (%) in monthly relative abundance from the Base1995NN for 6 modeled withdrawal scenarios for 40 pseudo-species that exhibited the strongest monthly abundance response to freshwater inflow. Dotted lines represent mean; solid lines represent median. The box delimits the 1<sup>st</sup> and 3<sup>rd</sup> quartiles and whiskers delimit the 10<sup>th</sup> and 90<sup>th</sup> percentiles. Percent change in predicted catch is given by gear type from which the abundance versus inflow regressions were calculated. n= number of predicted catches for which inflow data was available.



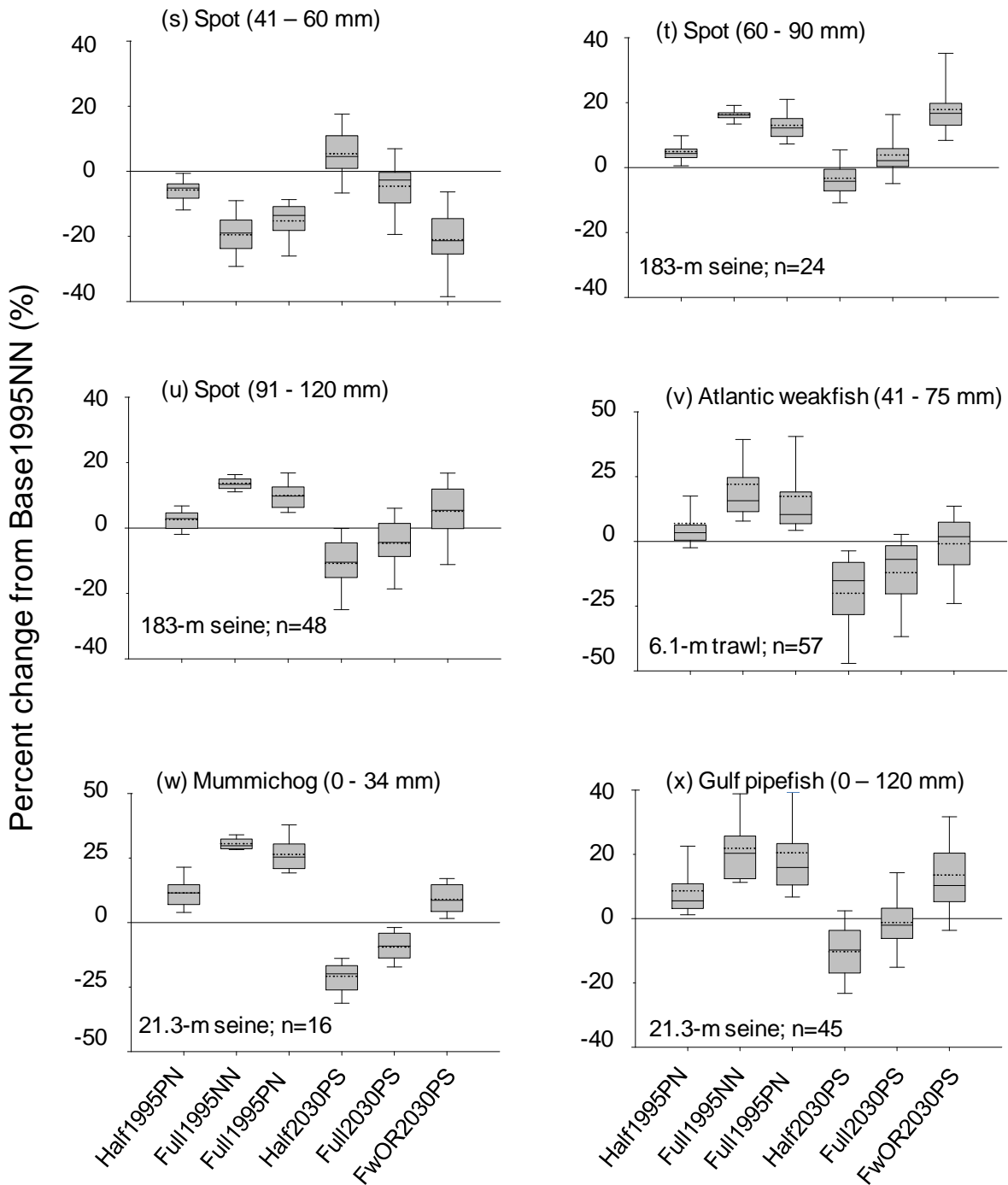
## Monthly Abundance cont.



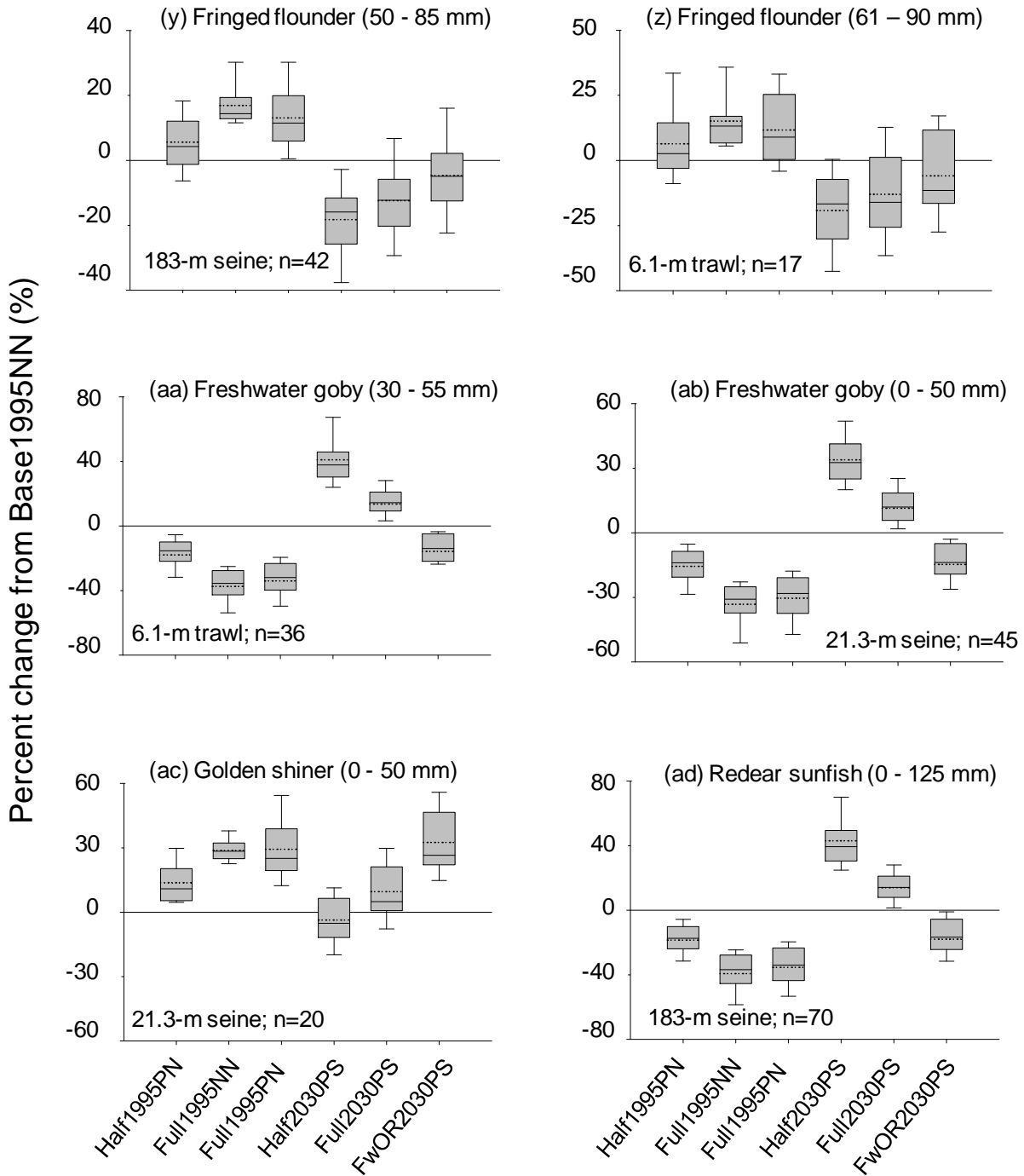
## Monthly Abundance cont.



## Monthly Abundance cont.

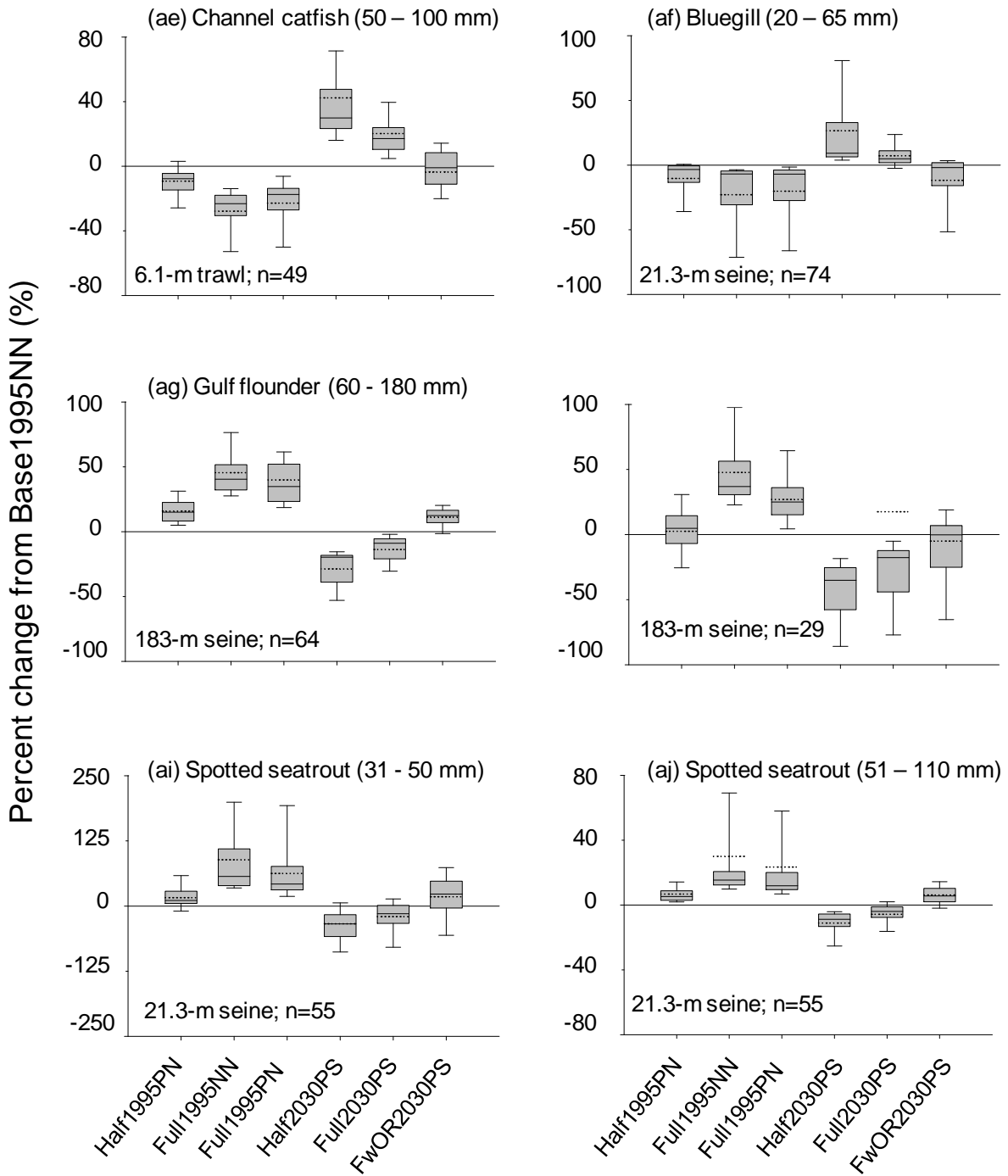


## Monthly Abundance cont.

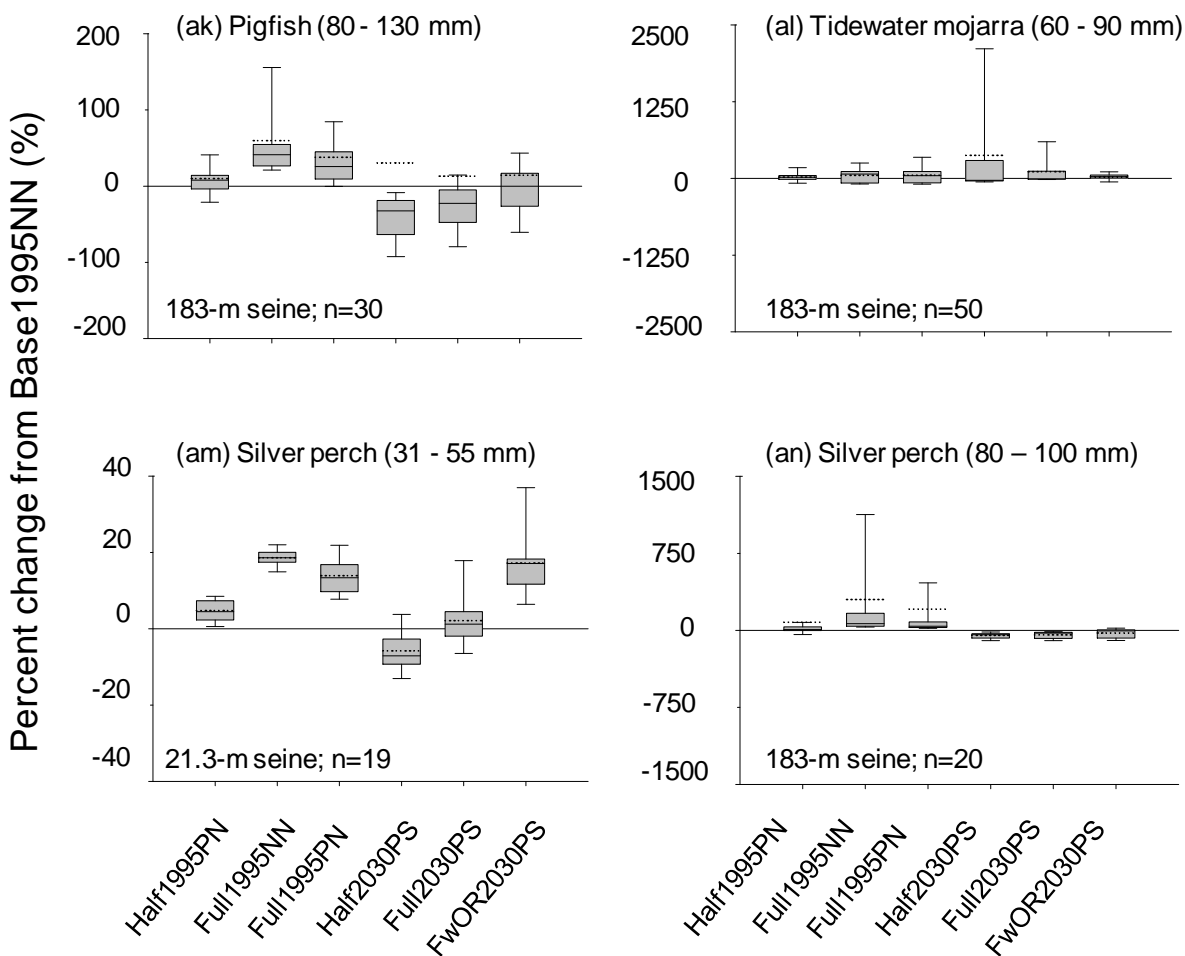




Monthly Abundance cont.

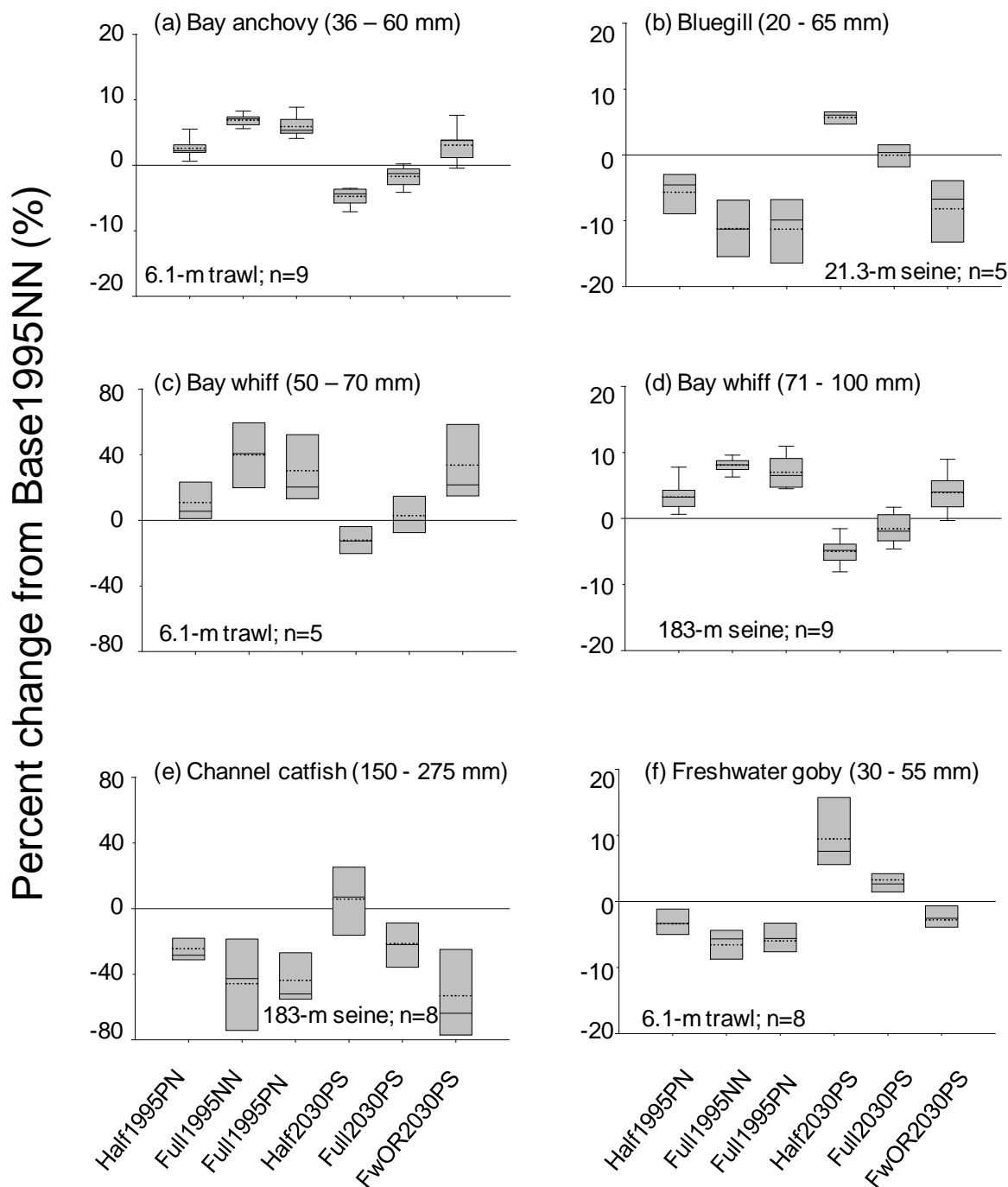


Monthly Abundance cont.

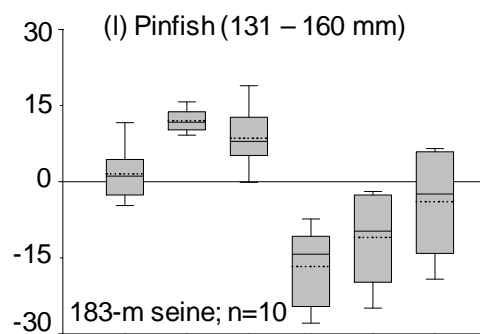
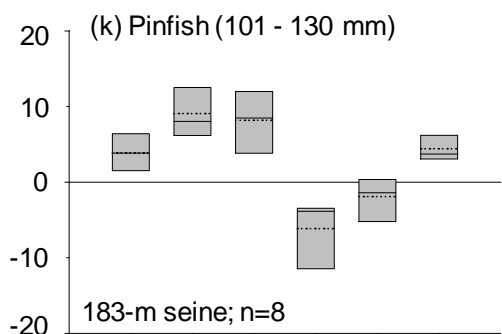
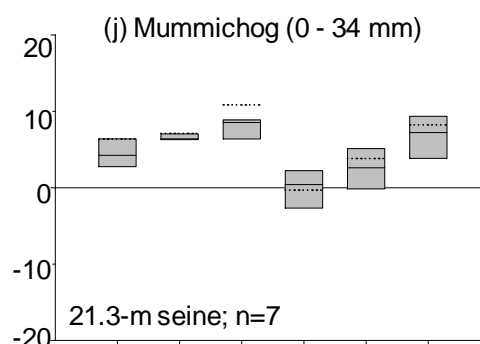
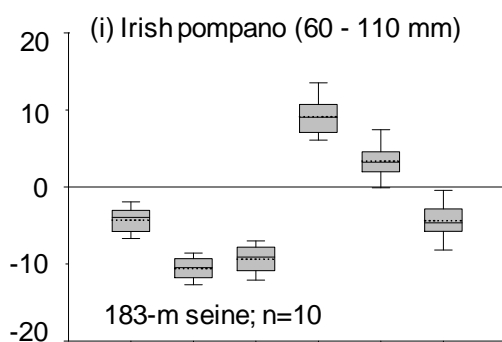
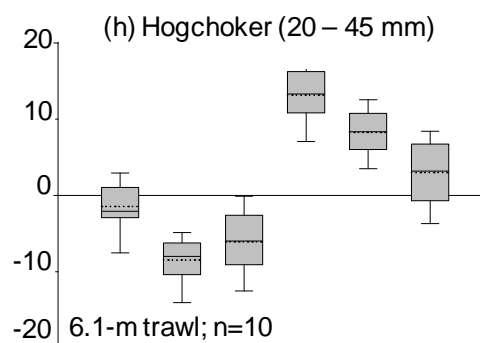
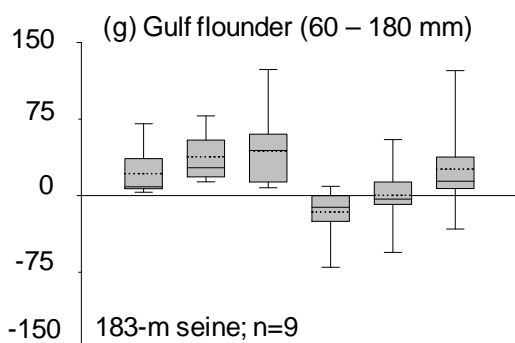


## Annual Abundance

Box and whisker plots of the predicted percent change (%) in relative annual abundance from the Base1995NN for 6 modeled withdrawal scenarios for 21 pseudo-species that exhibited the greatest annual abundance response to freshwater inflow. . Dotted lines represent mean; solid lines represent median. The box delimits the 1<sup>st</sup> and 3<sup>rd</sup> quartiles and whiskers delimit the 10<sup>th</sup> and 90<sup>th</sup> percentiles. Percent change in predicted catch is given by gear type from which the abundance versus inflow regressions were calculated. n= number of predicted catches for which inflow data was available.



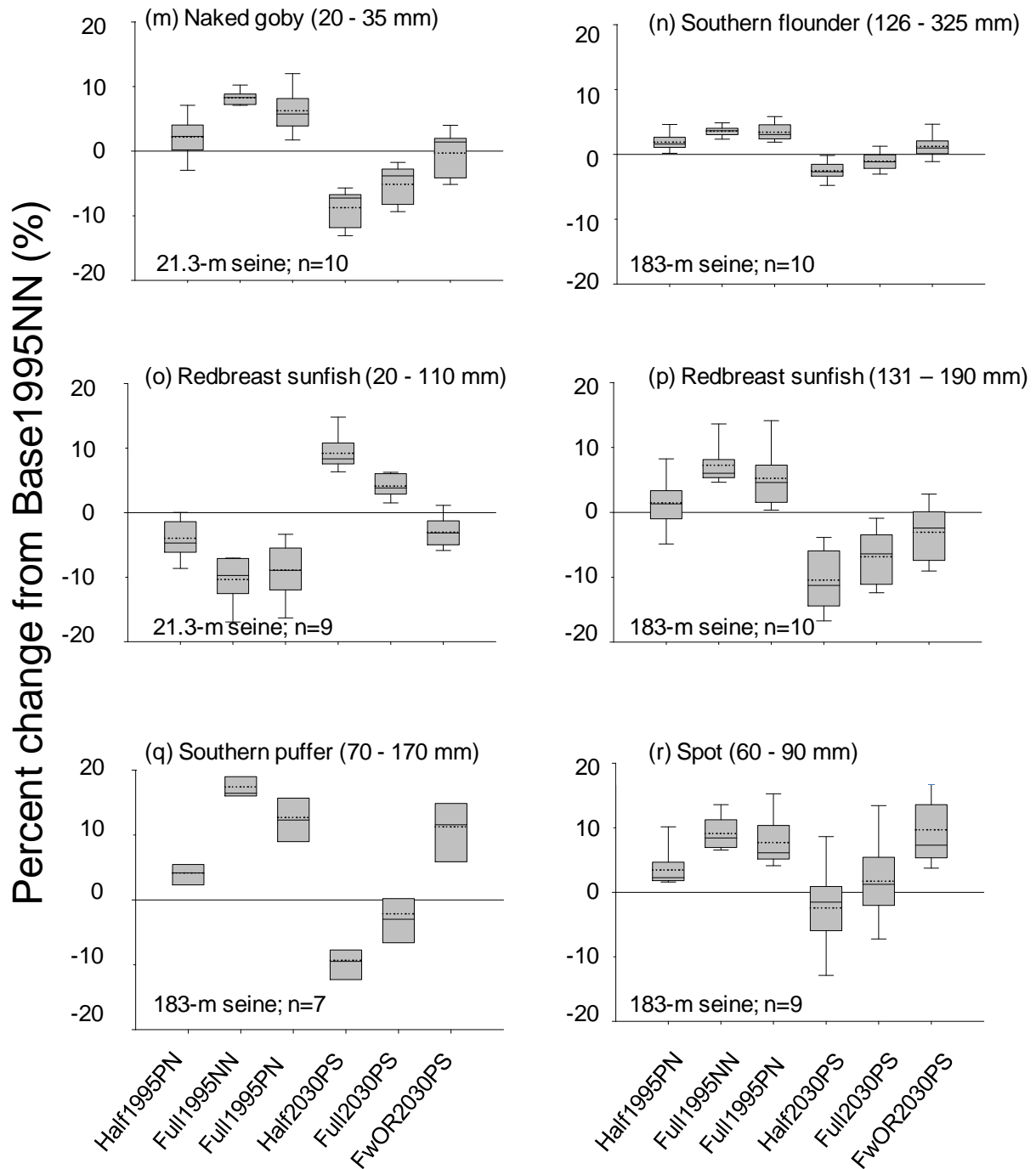
## Annual Abundance cont.



Half1995PN  
Full1995NN  
Full1995PN  
Half2030PS  
Full2030PS  
FwOR2030PS

Half1995PN  
Full1995NN  
Full1995PN  
Half2030PS  
Full2030PS  
FwOR2030PS

## Annual Abundance cont.



Annual Abundance cont.

