

Figure 1. Distribution of white hake landings by all gear in 4VWX/5, 1996-2001.

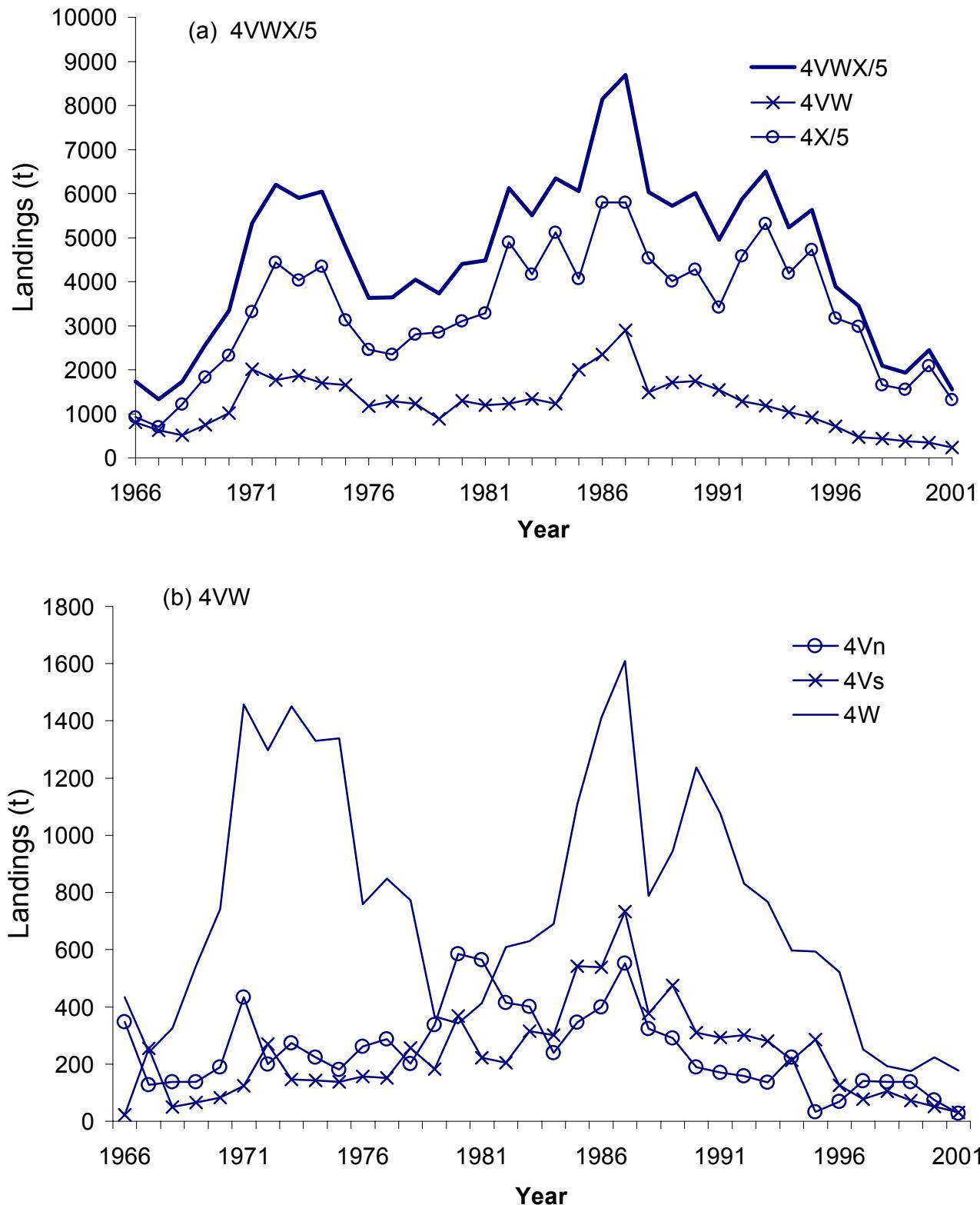


Figure 2. Nominal landings of white hake in (a) 4VWX/5 and (b) 4VW.

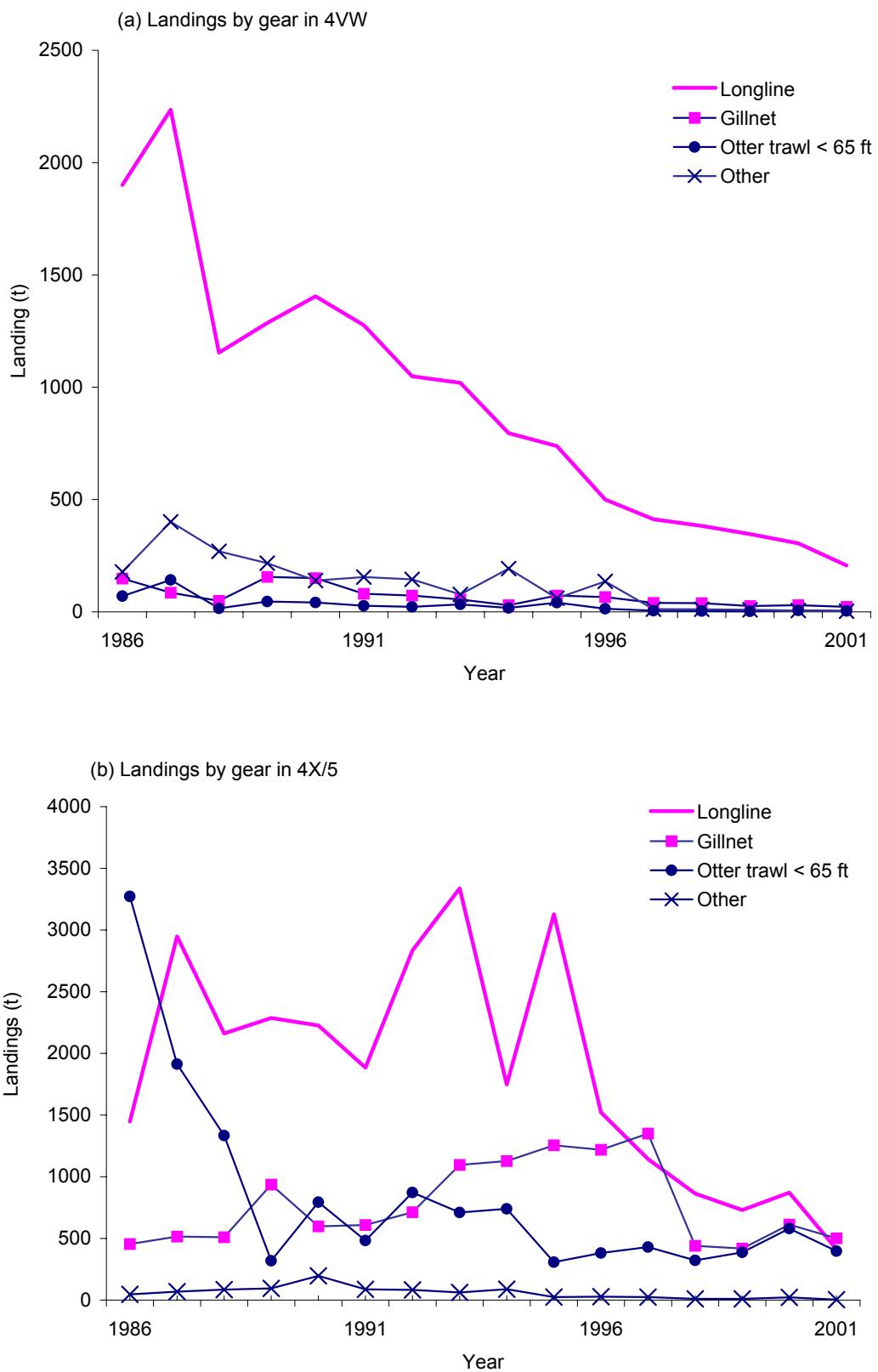


Figure 3 Landings of white hake by gear in (a) 4VW and (b) 4X/5.

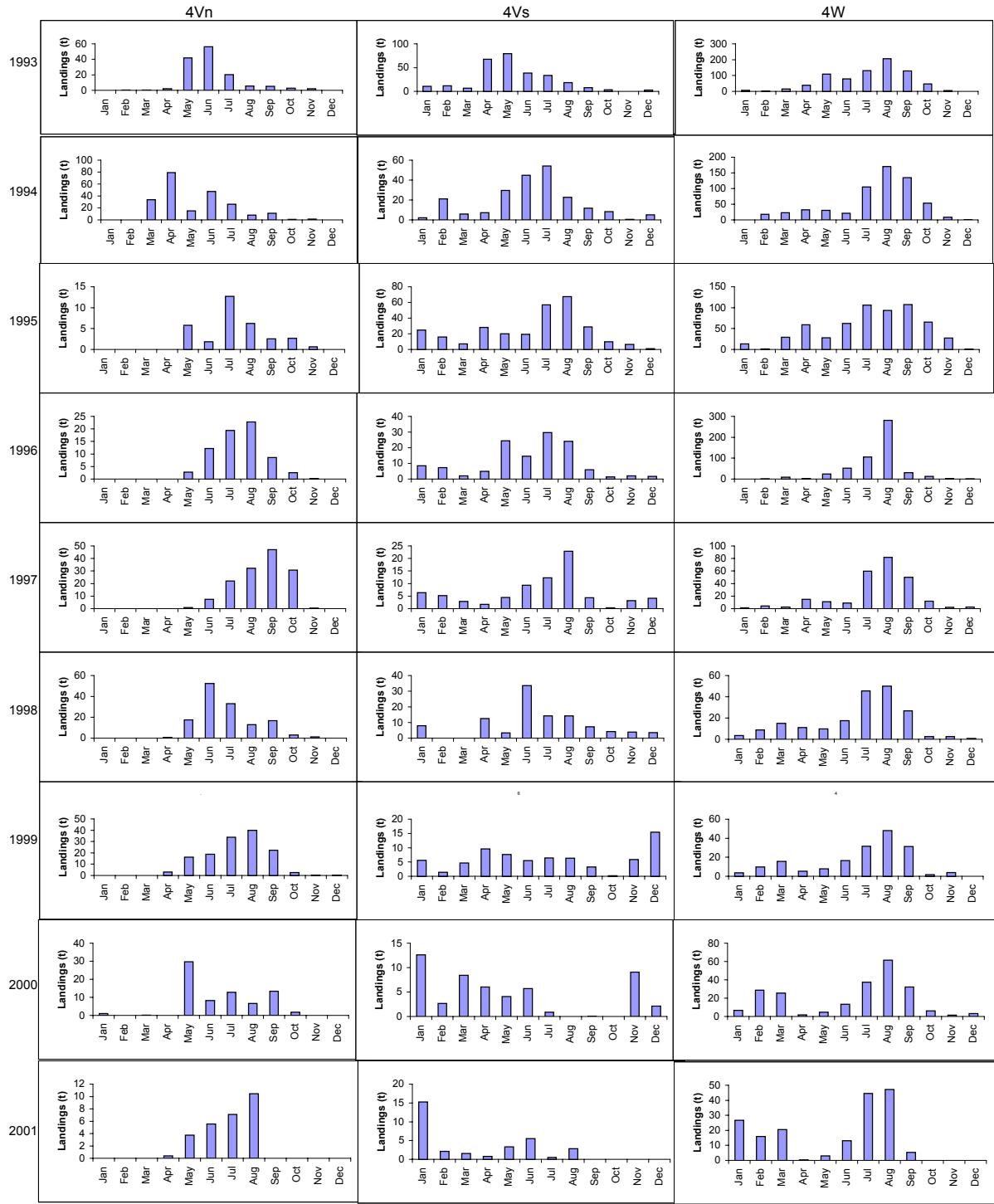


Figure 4 Canadian landings (metric tons) of white hake by NAFO division and month for 1993 through the first half of September 2001.

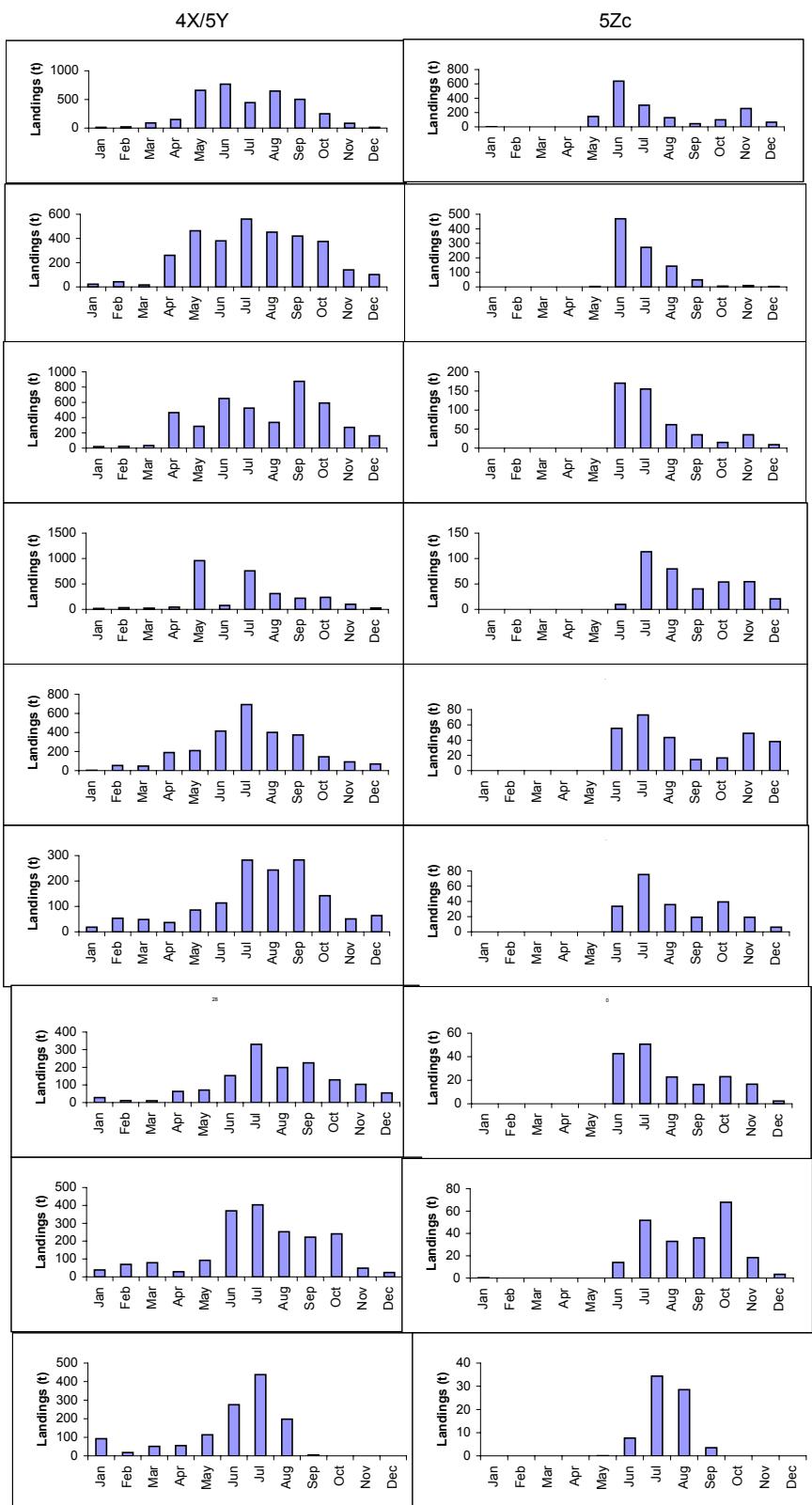


Figure 4 (cont) Canadian landings (metric tons) of white hake by NAFO division and month for 1993 through the first half of September 2001.

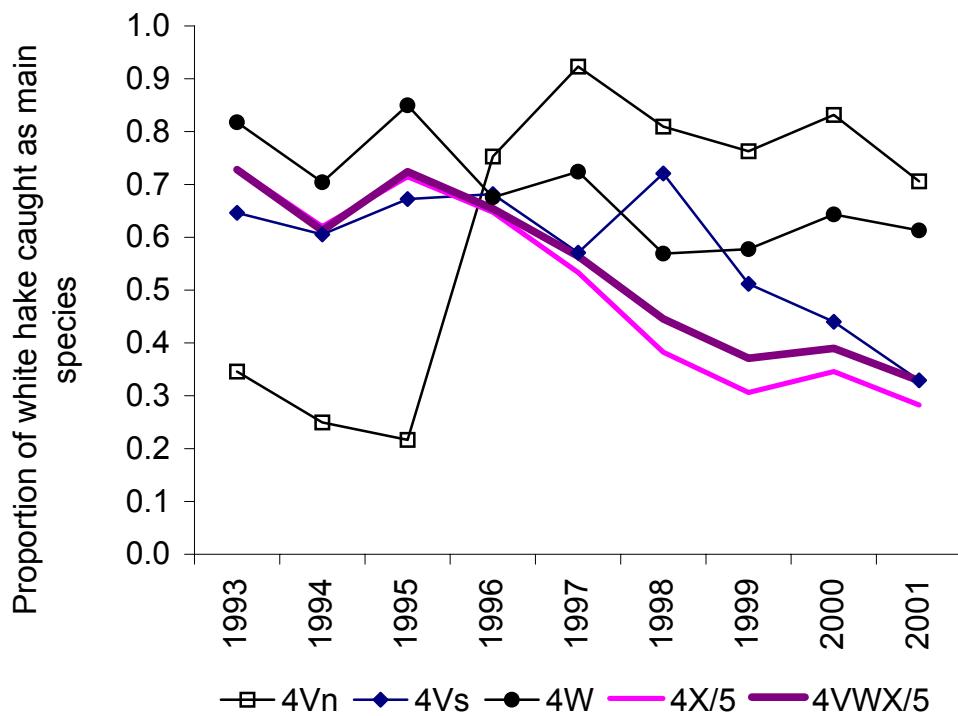


Figure 5. Percentage of white hake caught as main species in landings.

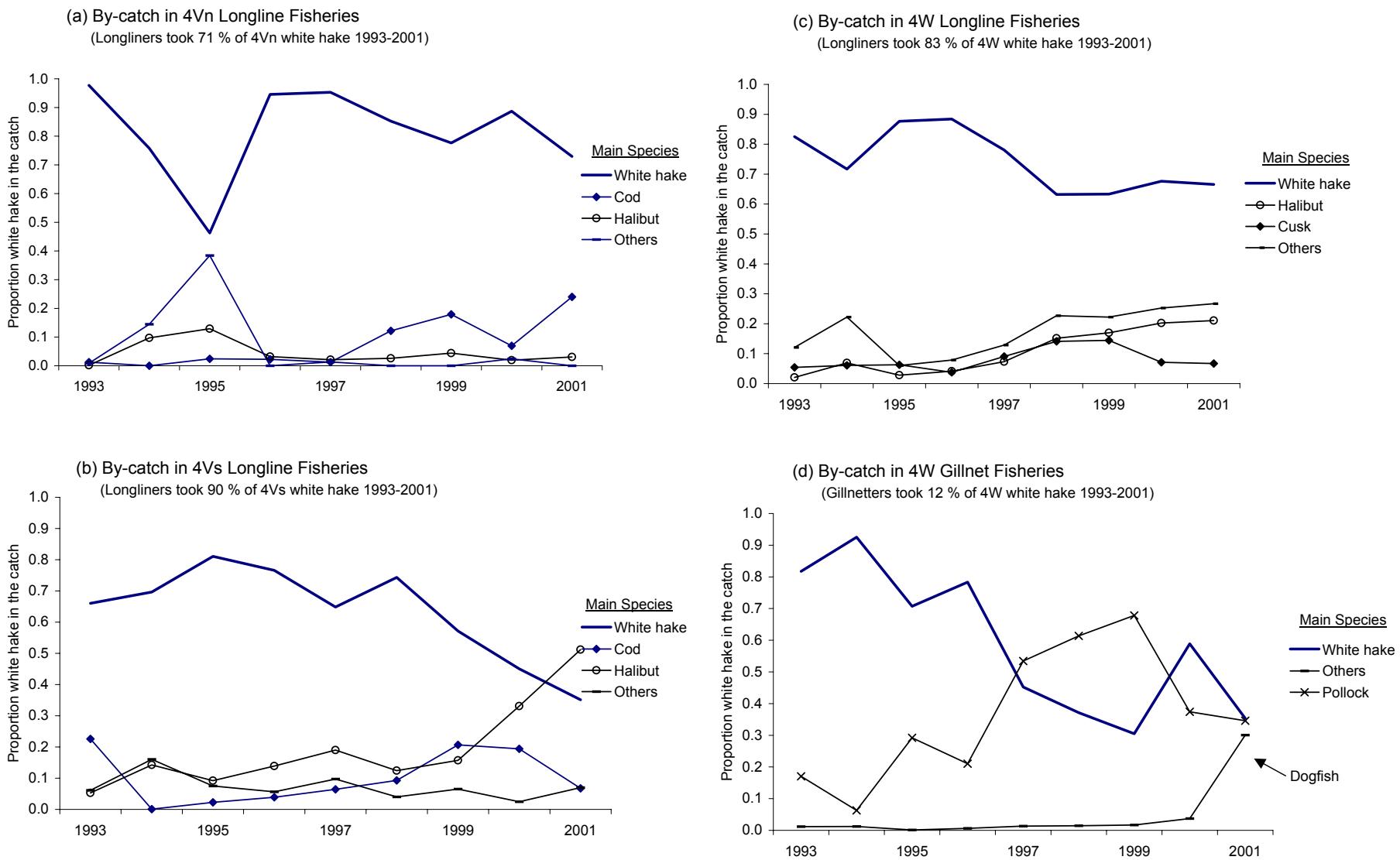


Figure 6. By-catch of white hake by main species and area from 1993 to 2001.

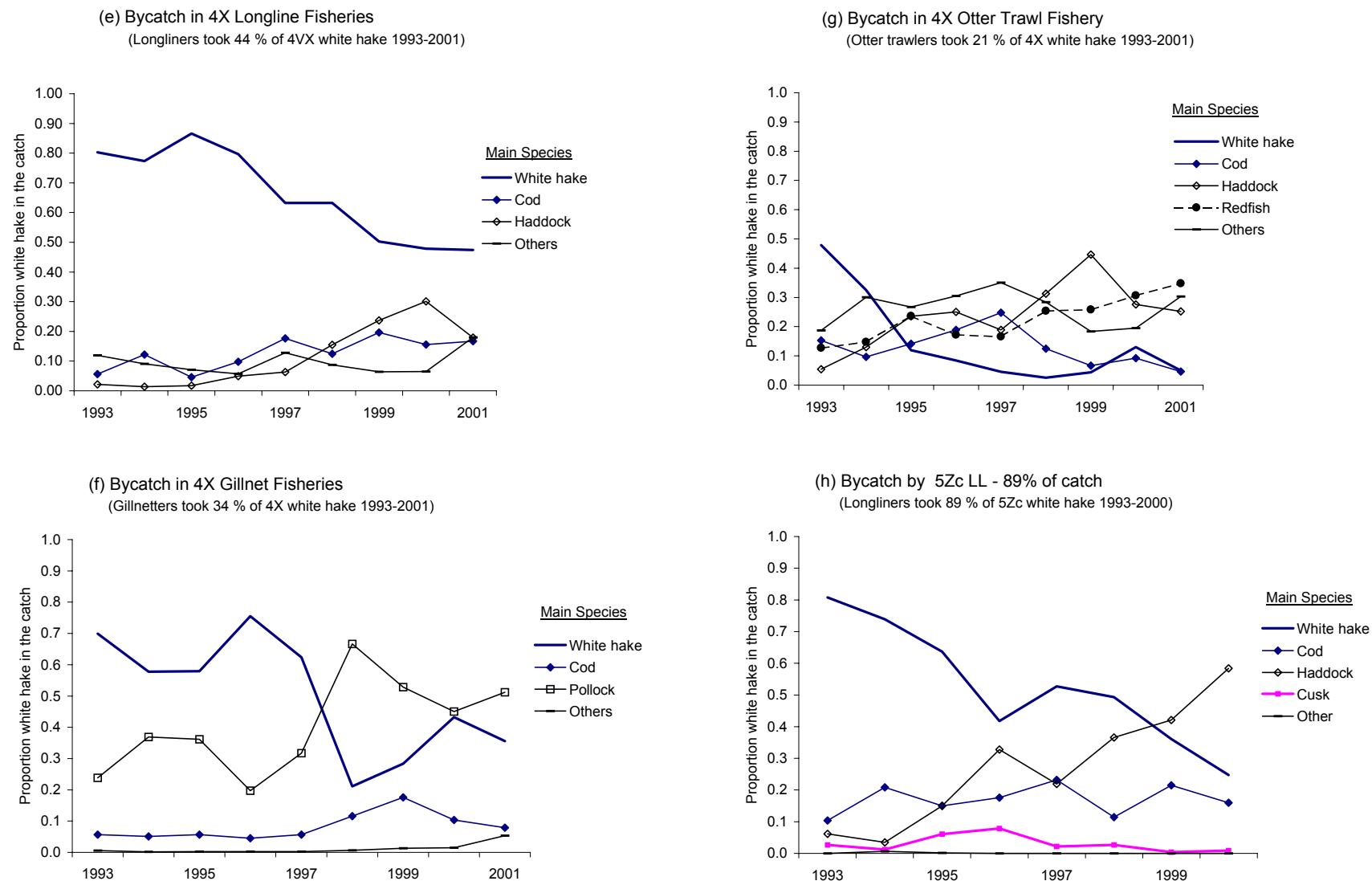


Figure 6 (cont.). By-catch of white hake by main species and area from 1993 to 2001. Note that Figure 6(h) does not include data for 2001.

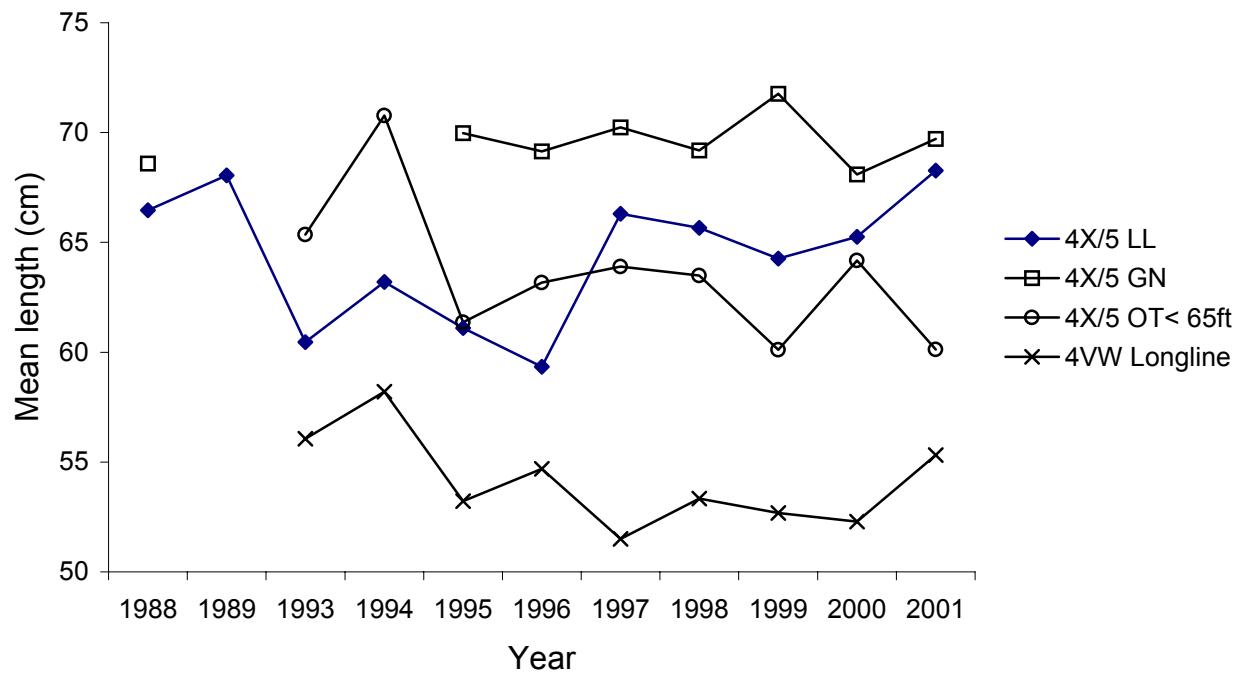


Figure 7. Mean length in commercial catch.

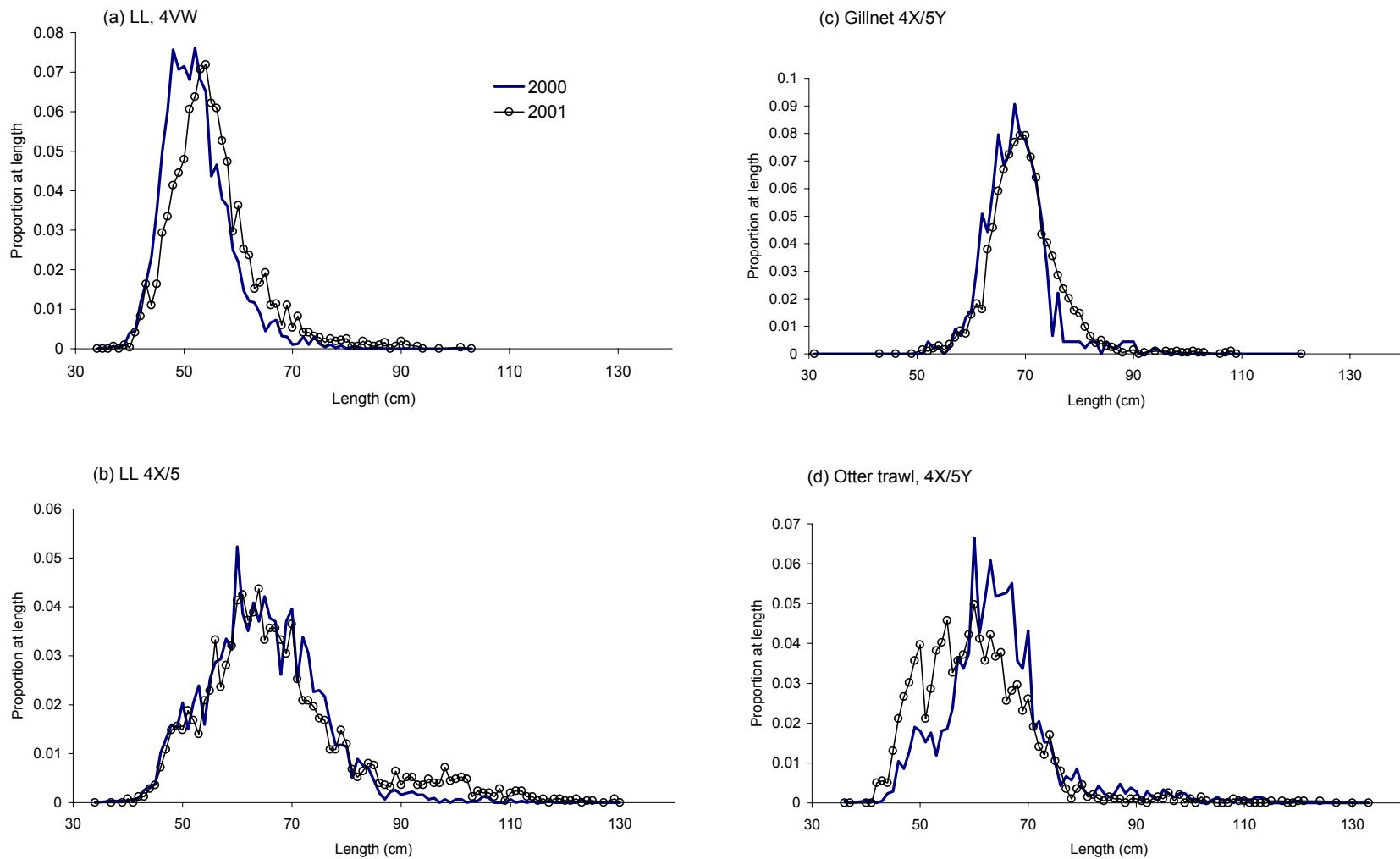


Figure 8. Length composition of commercial catch in 2000 and 2001 in 4VW and 4X/5.

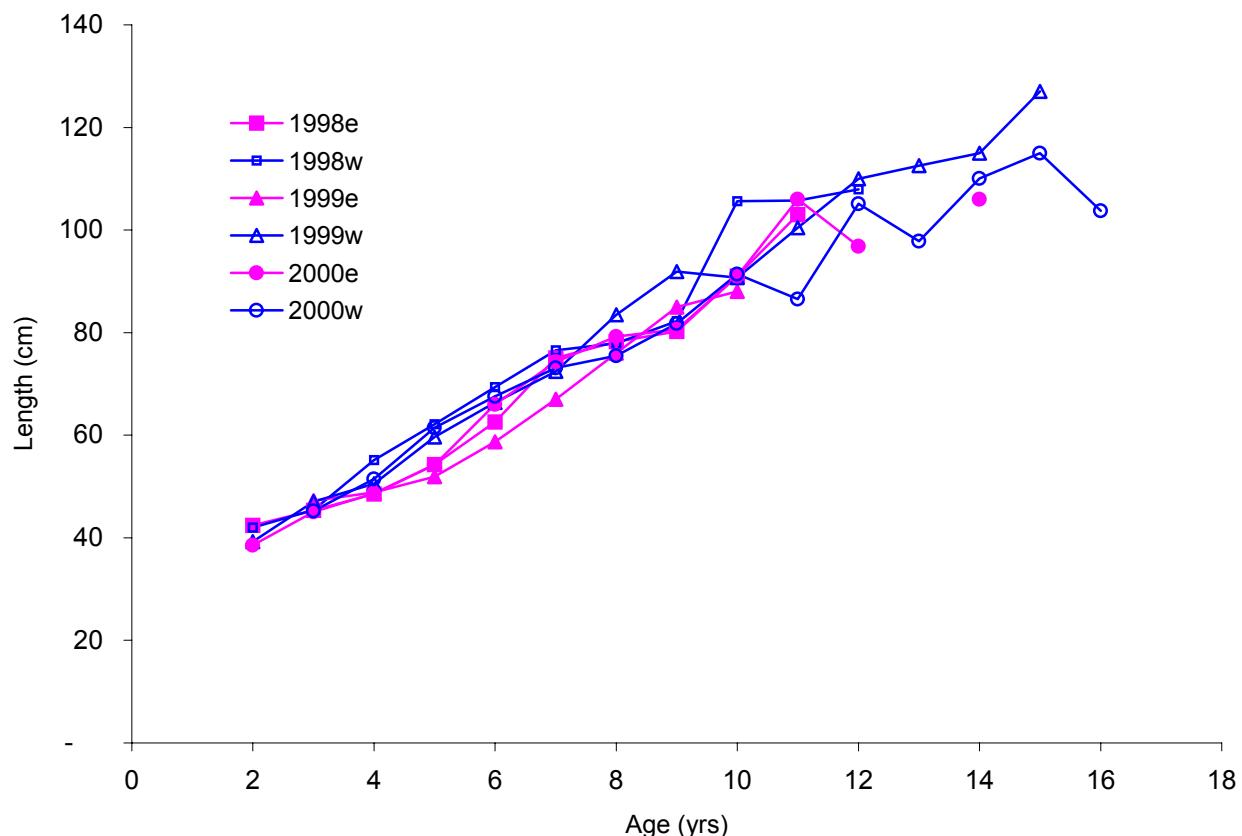


Figure 9. Mean length at age from commercial samples, 1998-2000, from the eastern Scotian Shelf and western Scotian Shelf.

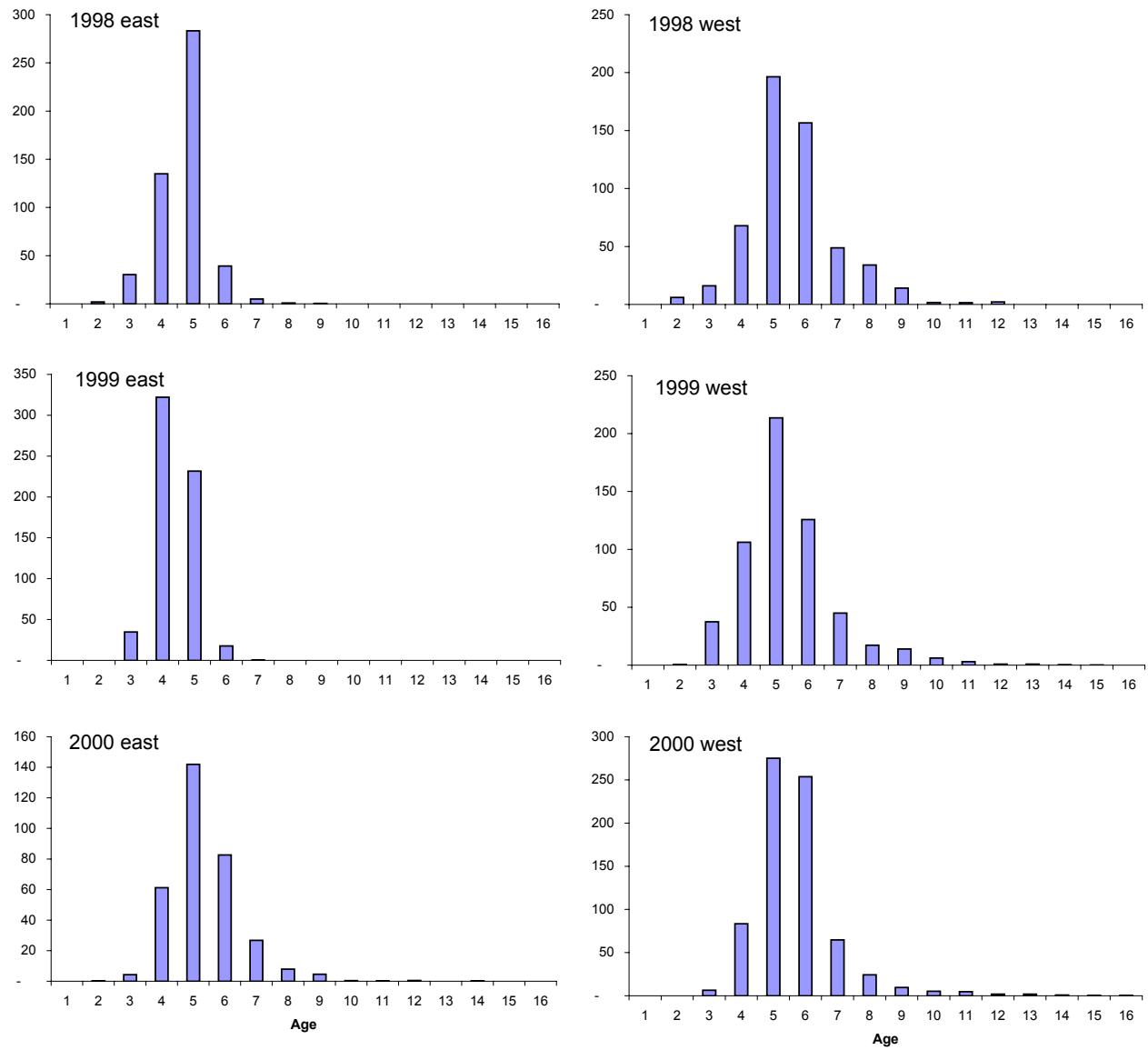


Figure 10. Catch-at-age in (a) the eastern (4VWXmn) and (b) the western Scotian Shelf (4Xopqrs).

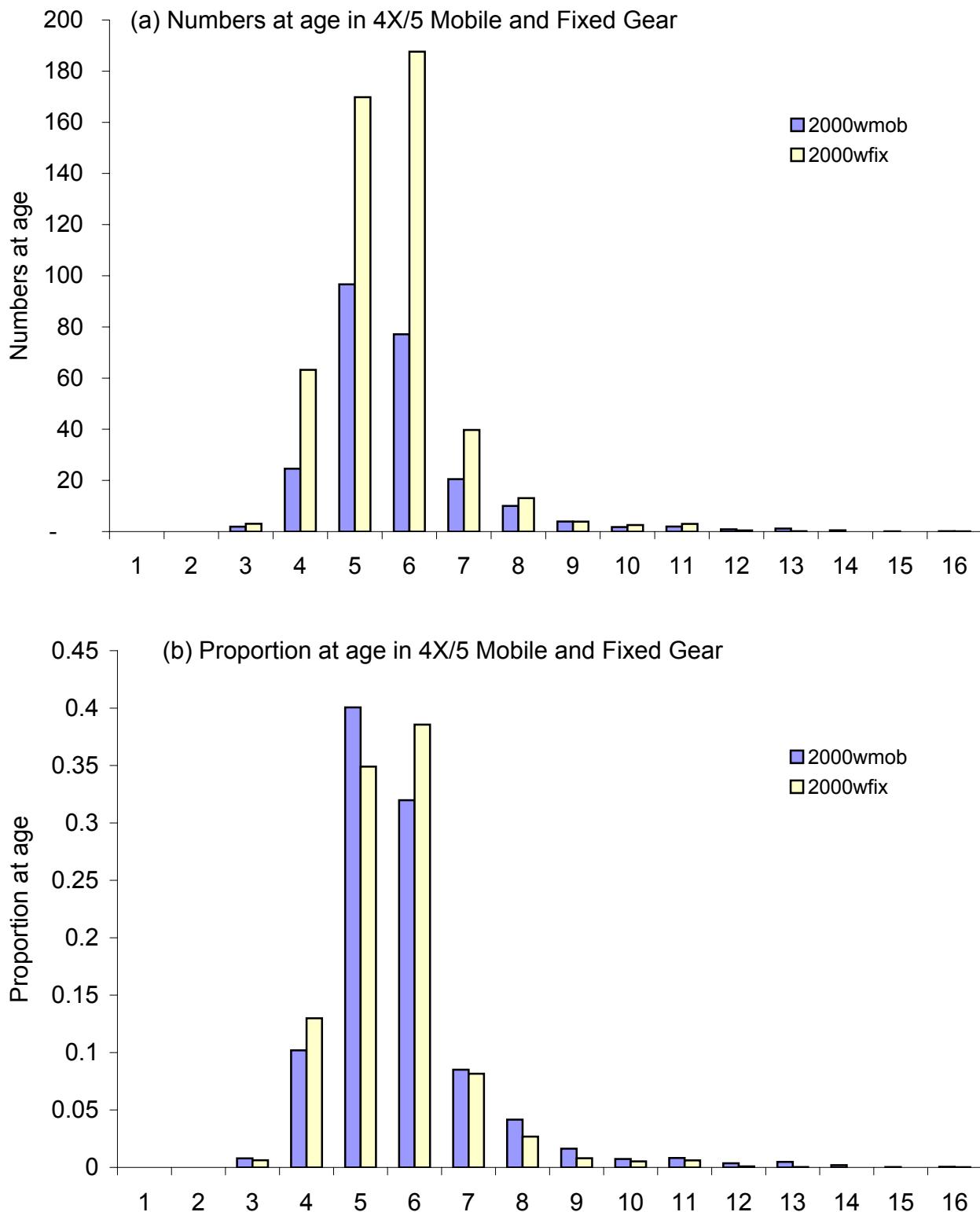
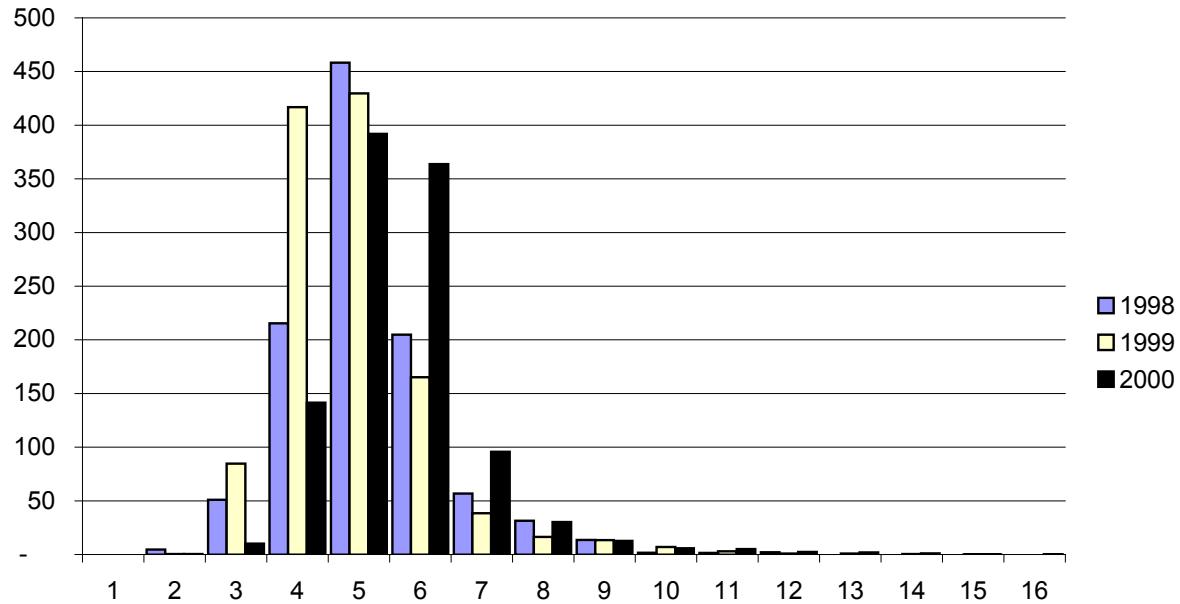


Figure 11. Catch-at-age in the mobile and fixed gear in 4X/5 in 2000 (a) total numbers and (b) proportion at age.

(a) all gear and areas combined



(b) separate age-length keys for area and gear

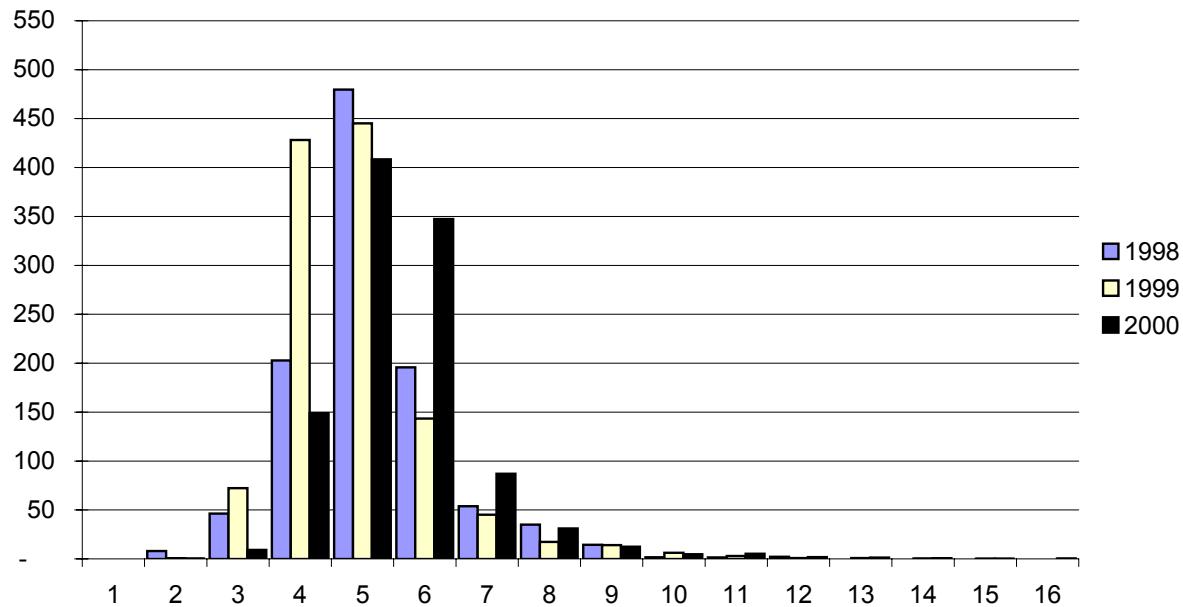


Figure 12. 4X/5 catch-at-age. In a) a single age-length key combined area and gear for each year while in b) separate annual age-length keys for the eastern and western Scotian Shelf and the two gear sectors in the western Scotian Shelf were run, then the combined to give catch-at-age.

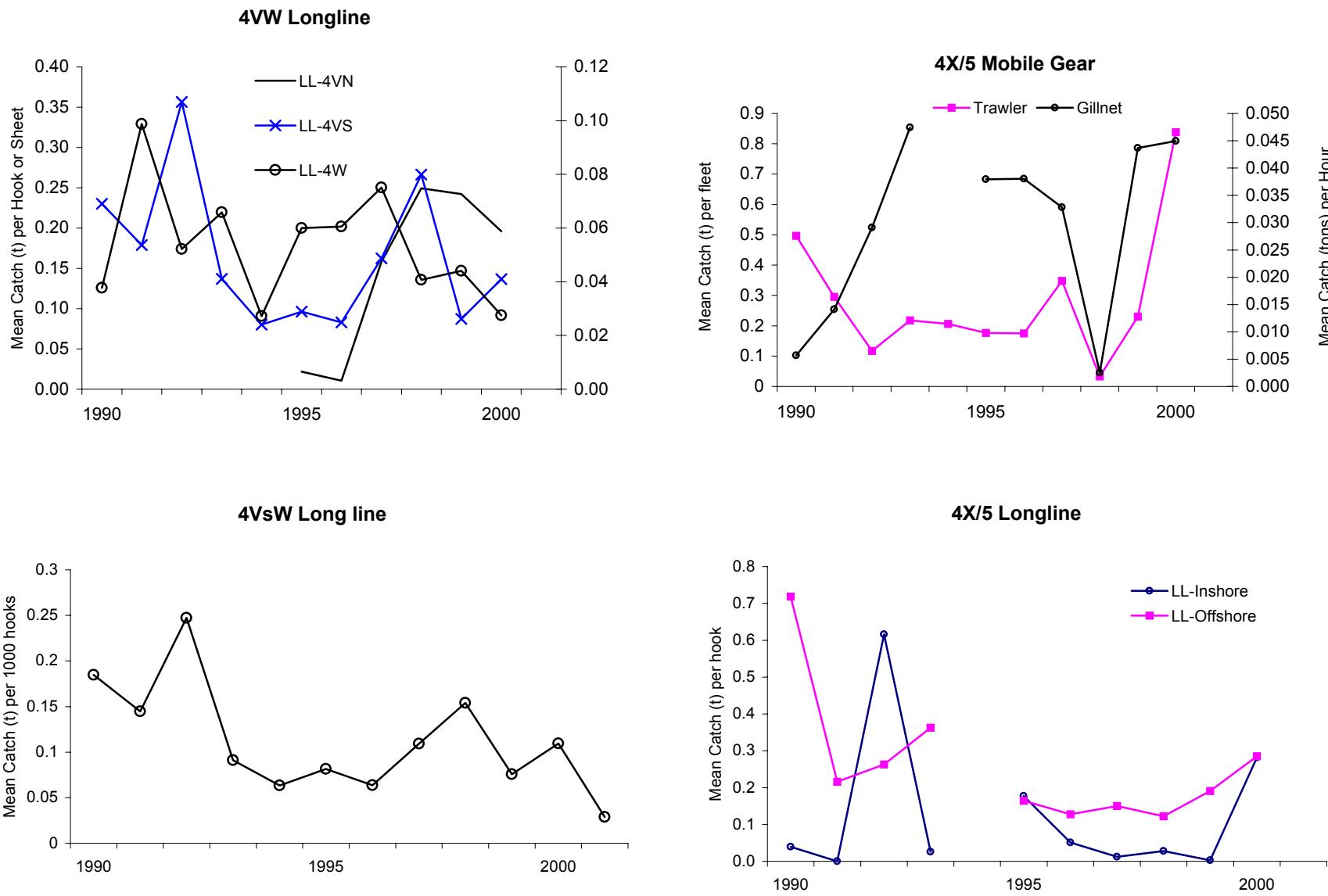


Figure 13. Predicted catch rates for major white hake fisheries in 4VW and 4X/5.

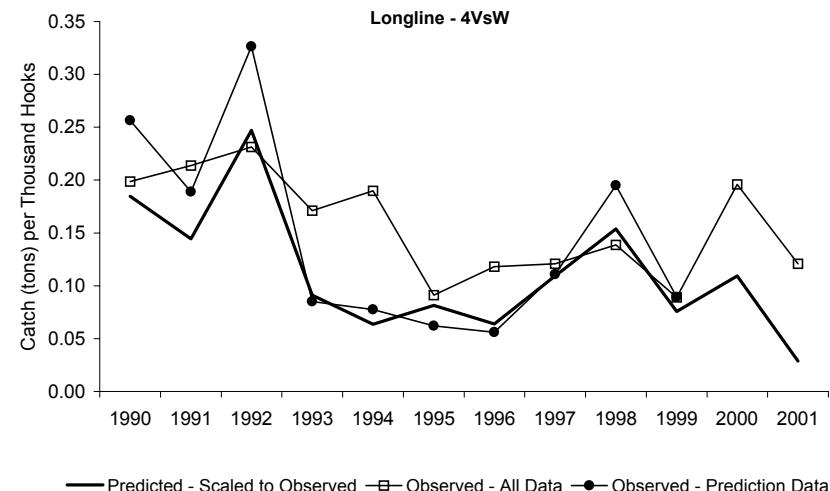
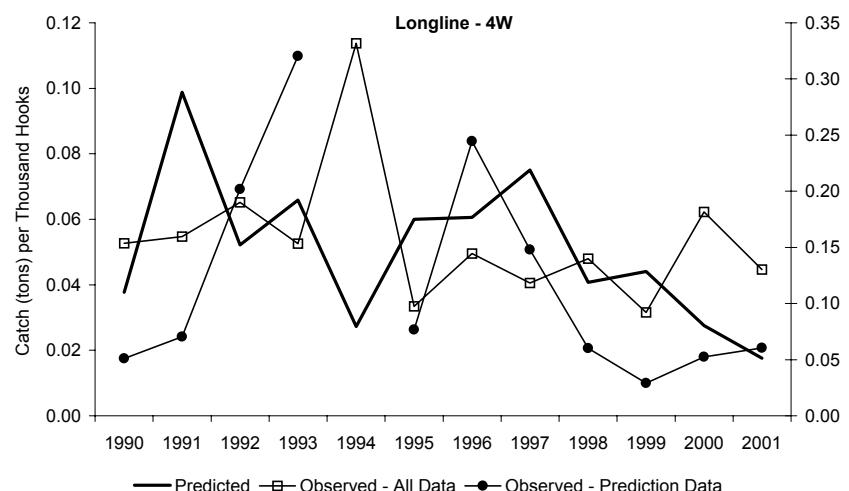
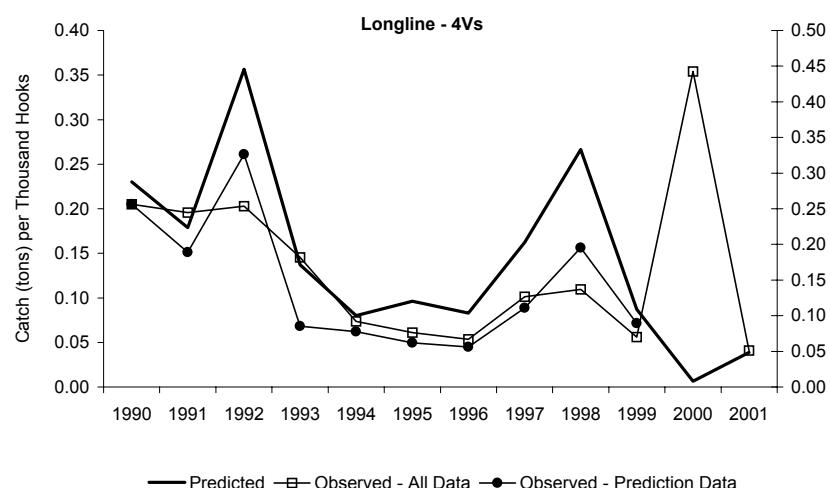
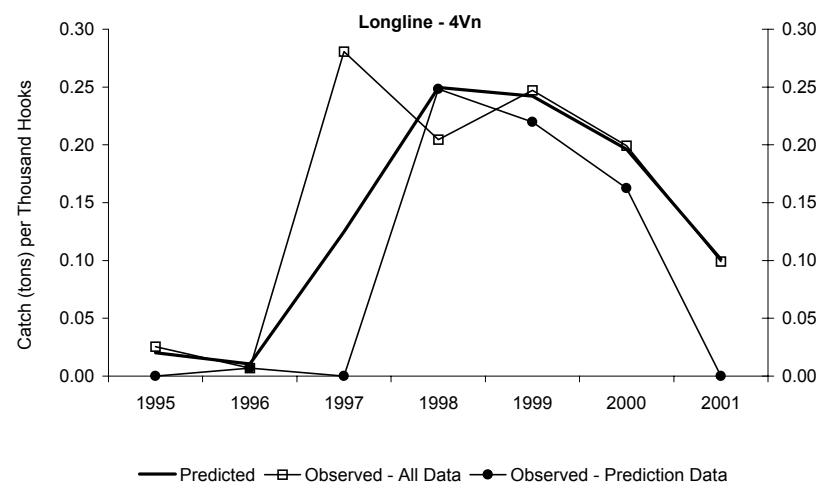


Figure 14a. Predicted and observed catch rates from 4VW.

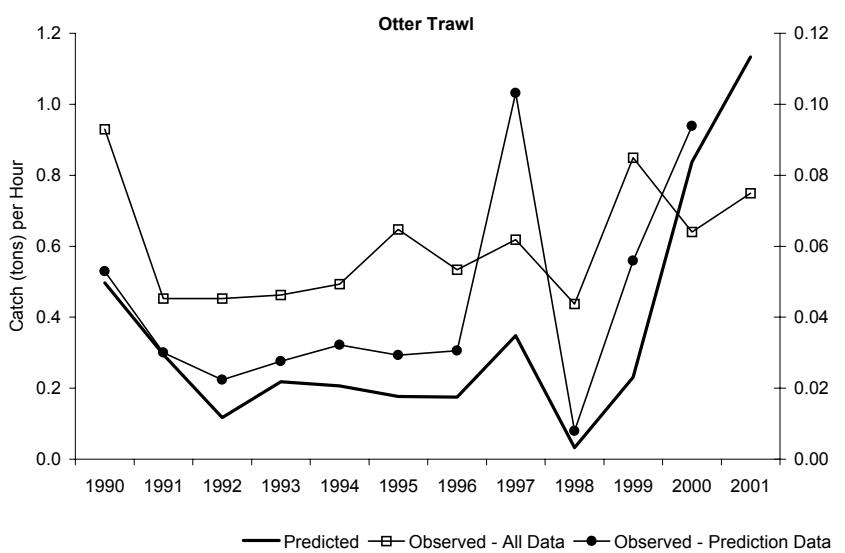
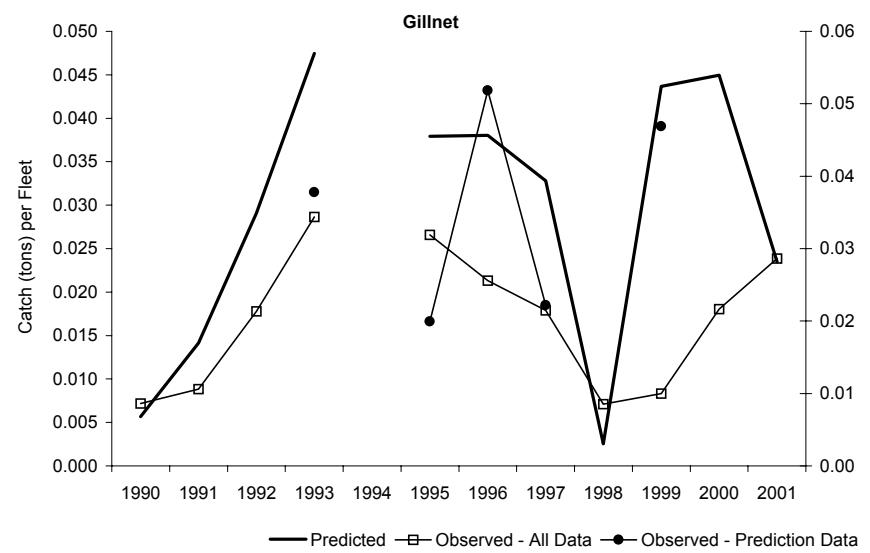
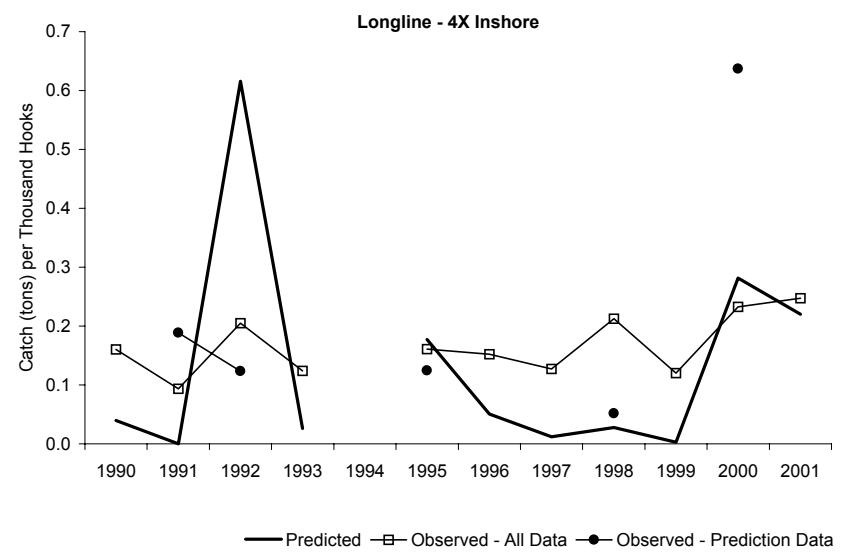
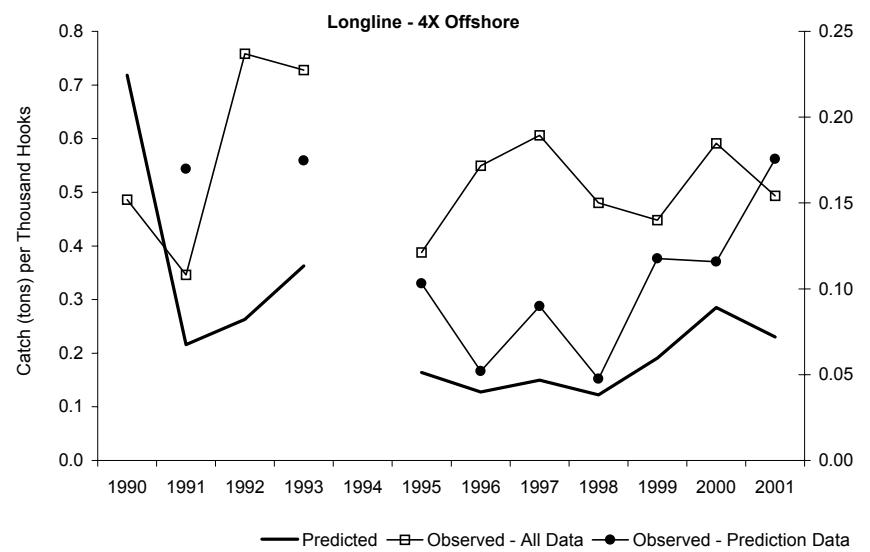


Figure 14b. Predicted and observed catch rates from 4X.

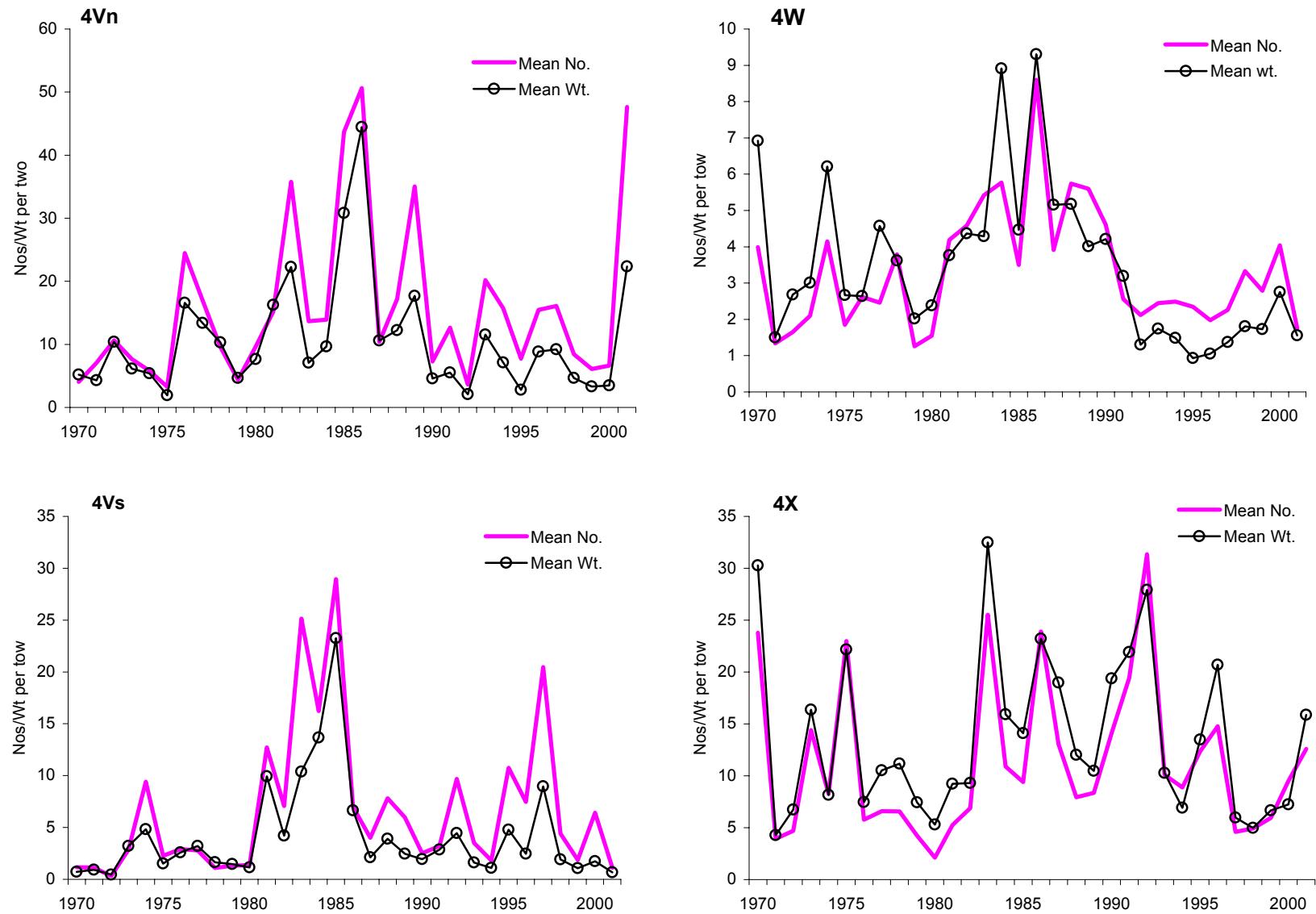


Figure 15. Mean numbers and mean weight per tow from Summer RV survey data.

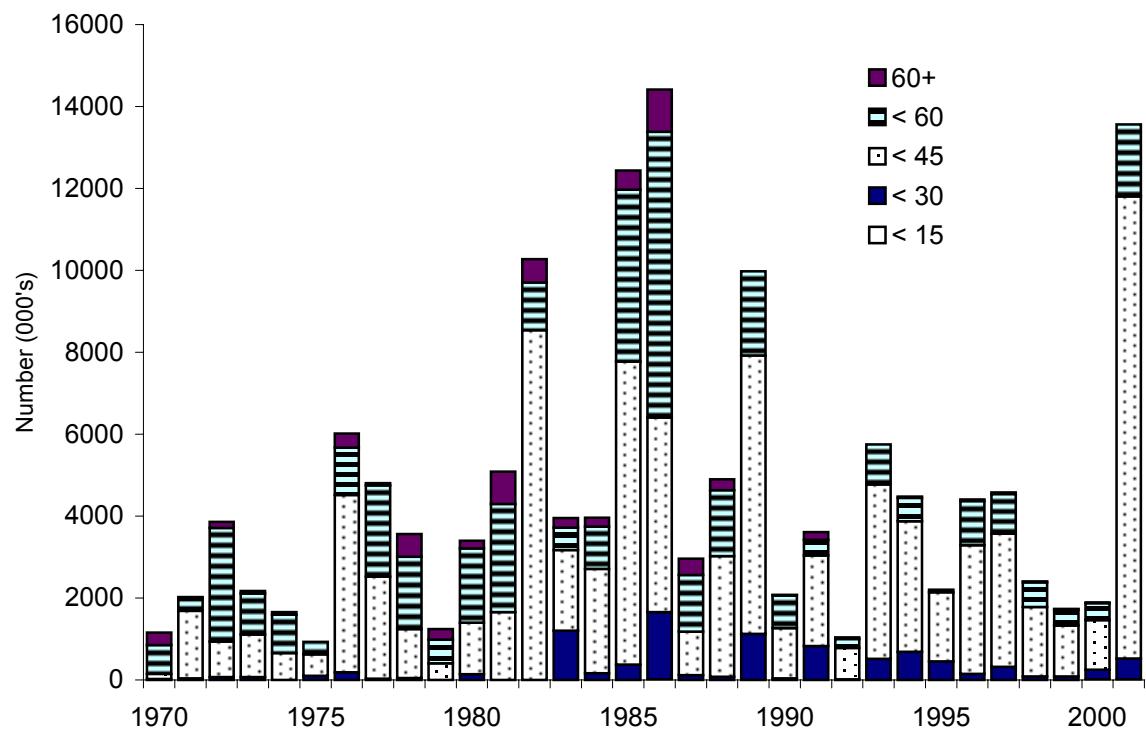


Figure 16. 4Vn Total numbers at length (000's) from the Summer RV survey. Size groups are < 15 cm, 15-29 cm, 30-44 cm, 45-60 cm and 60+ cm.

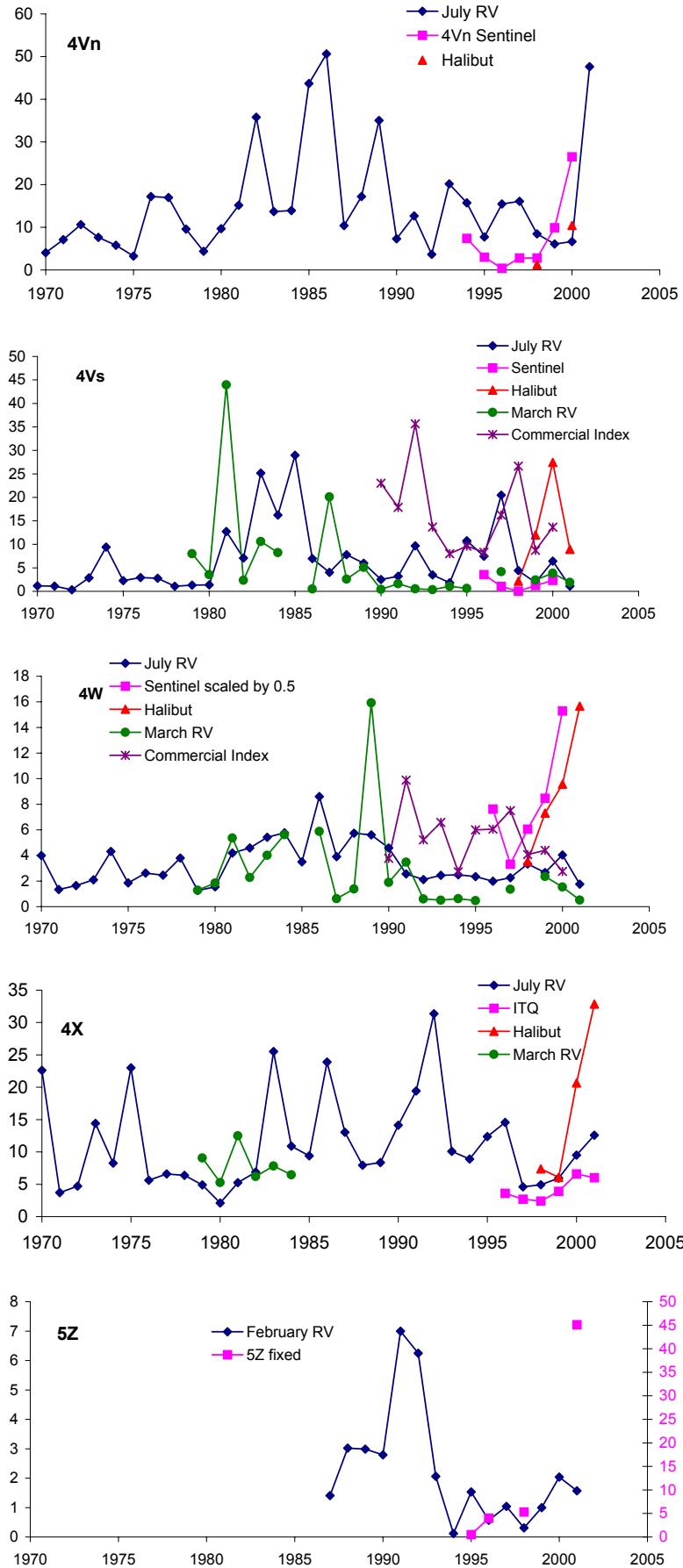


Figure 17. Comparisons of catch rates among Industry and Research Vessel Surveys, and Commercial Indices. The 4W Sentinel Survey has been scaled by a factor of 0.5 and the Commercial Indices have been scaled (by 100) for the plots. The y-axis for the Fixed Gear Survey in 5Z is on the right of the graph.

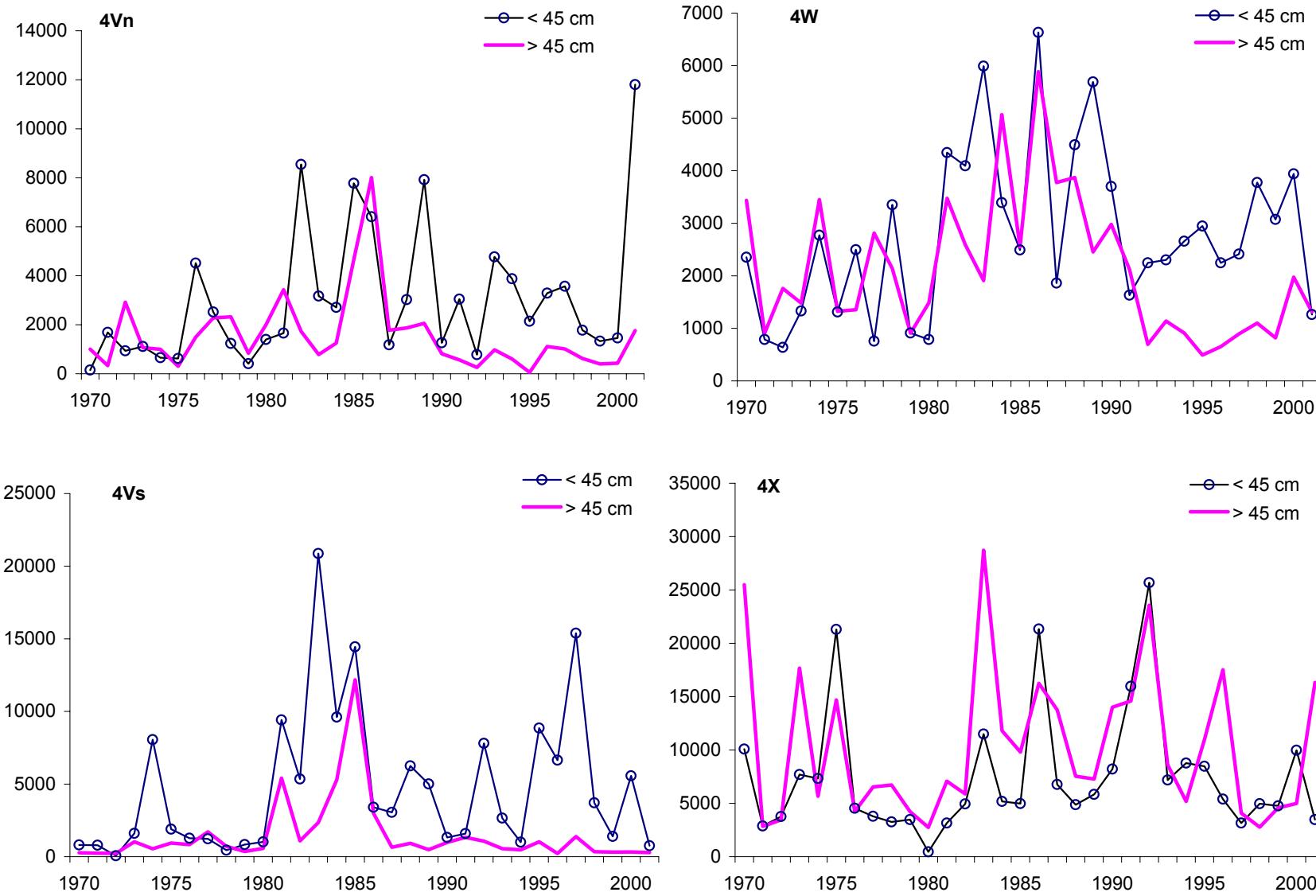


Figure 18. DFO summer RV survey abundance (000's) of large ($45+$ cm) and small (< 45 cm) white hake in 4Vn, 4Vs, 4W and 4X.

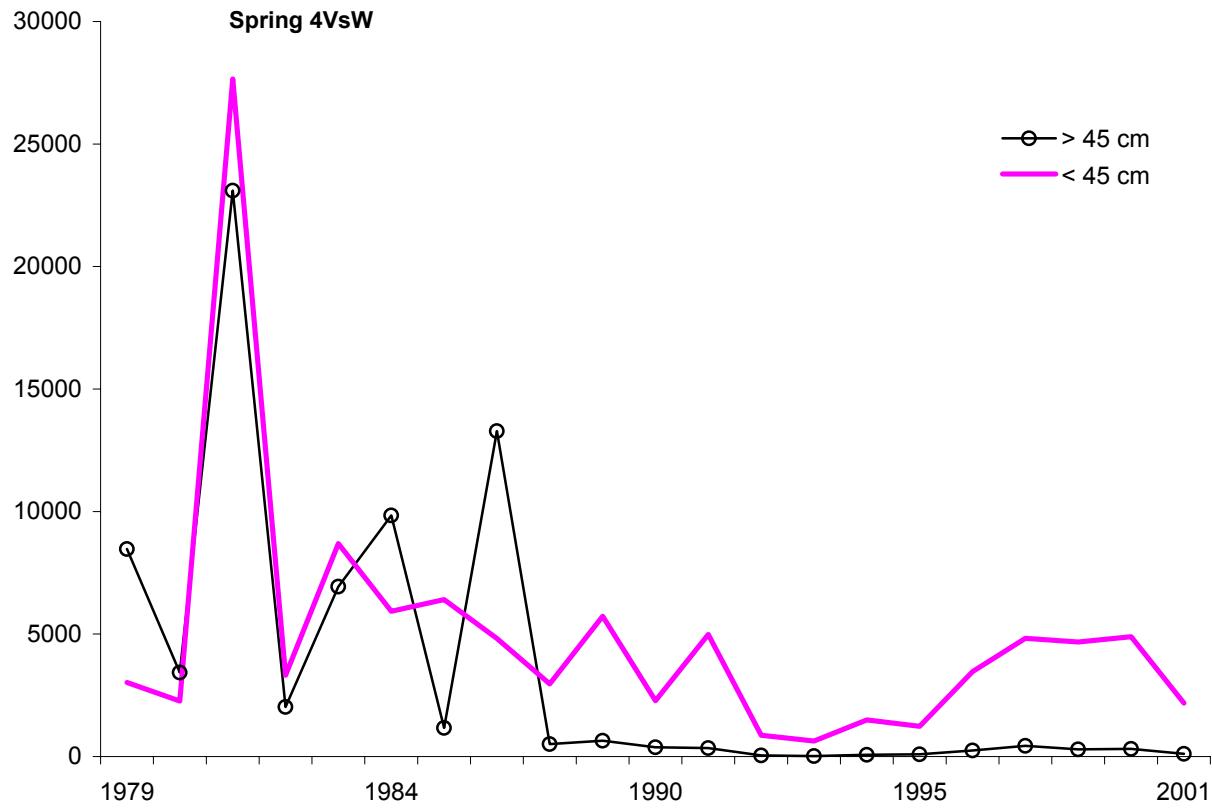


Figure 19. DFO March RV survey abundance of large ($45+$ cm) and small (< 45 cm) white hake in 4VsW.

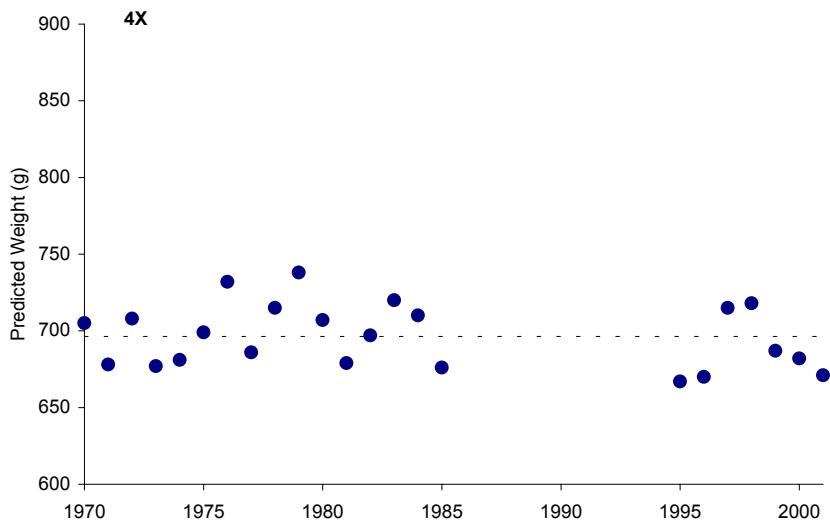
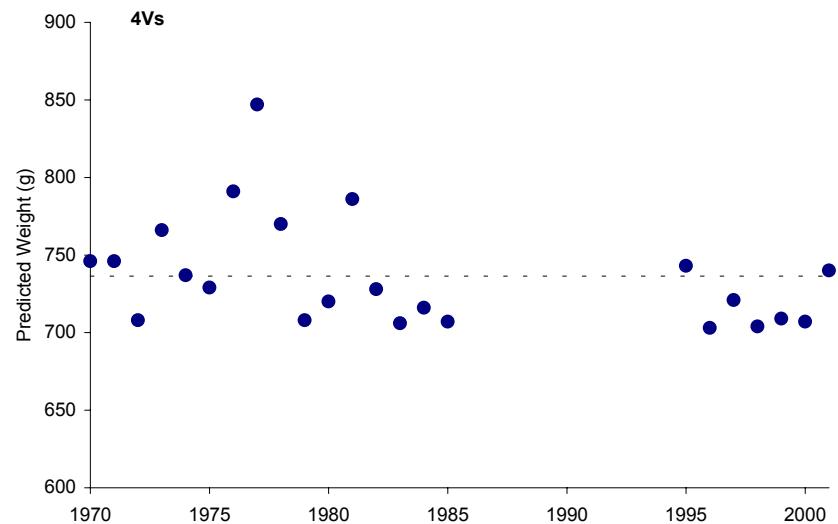
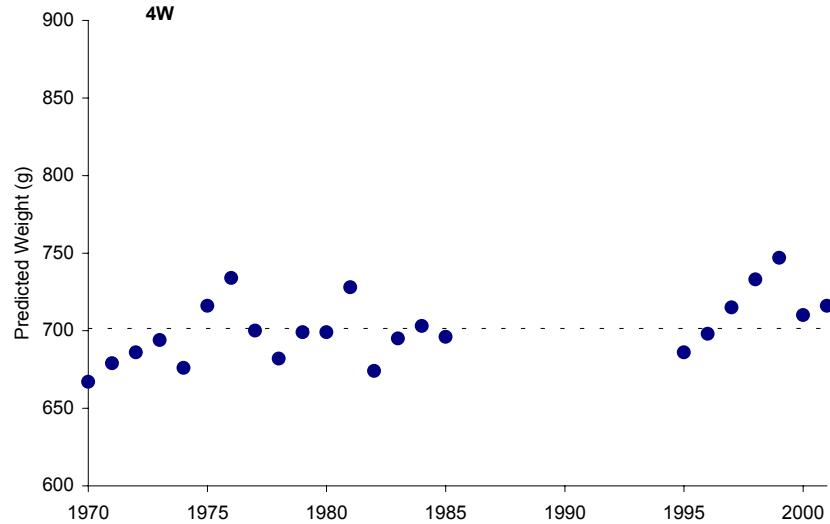
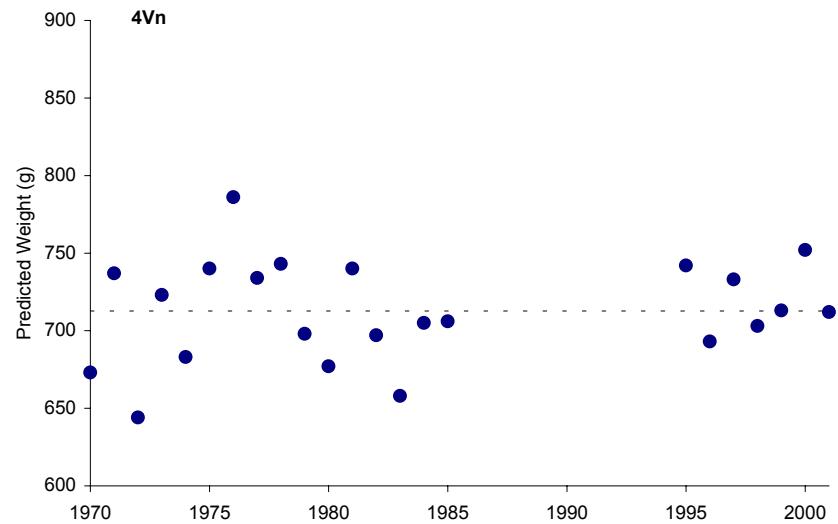


Figure 20. Condition Factor - Predicted weight at 45 cm from Summer RV data for 4Vn, 4Vs, 4W and 4X.

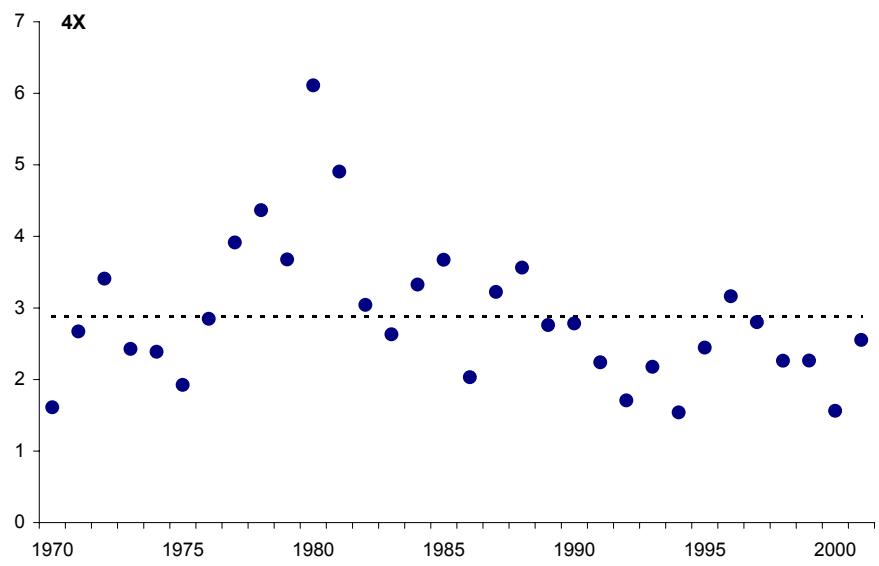
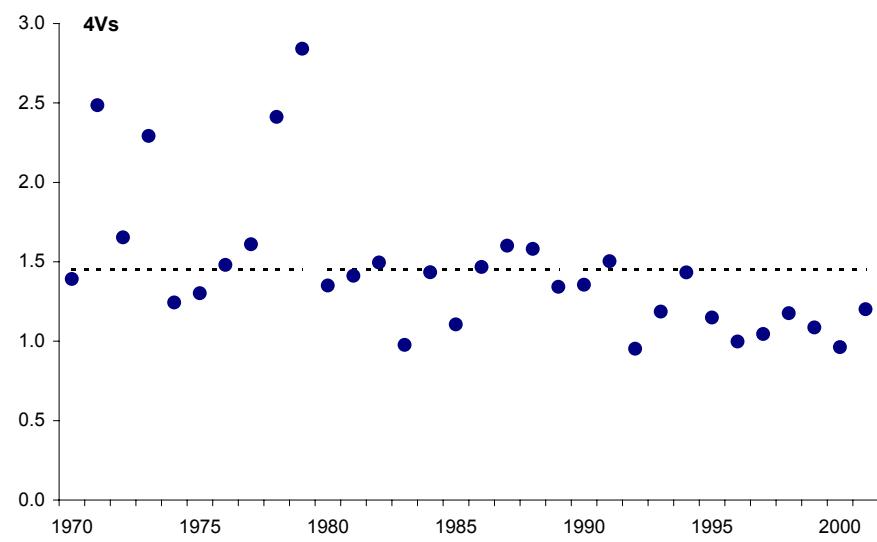
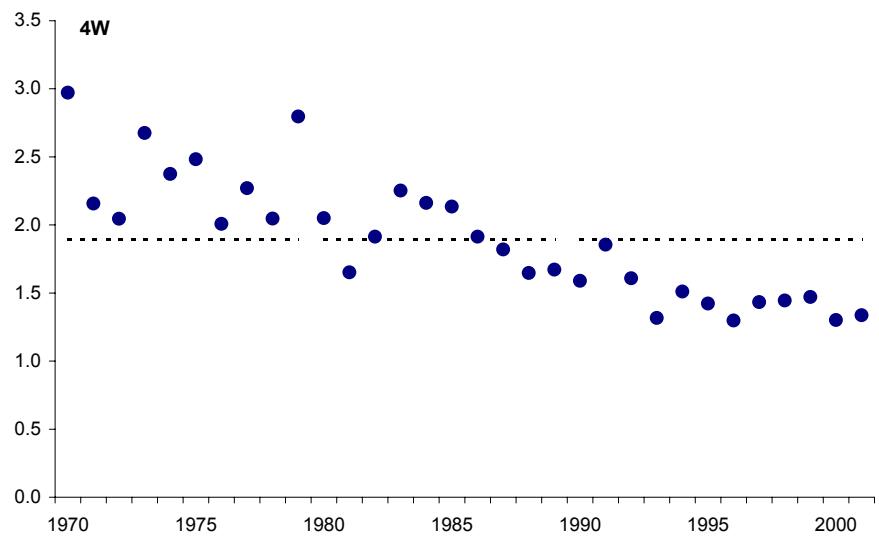
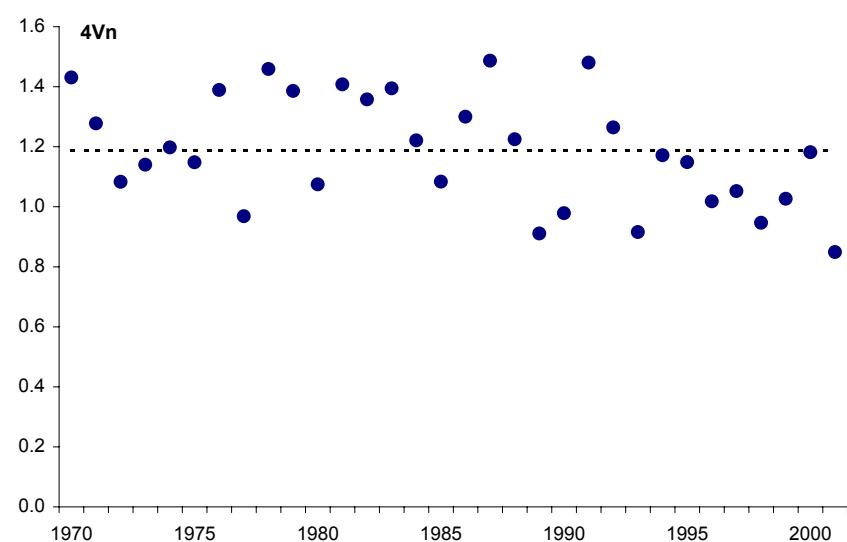


Figure 21. Mean weight (Kg) of large (45+ cm) white hake in 4Vn, 4Vs, 4W and 4X.

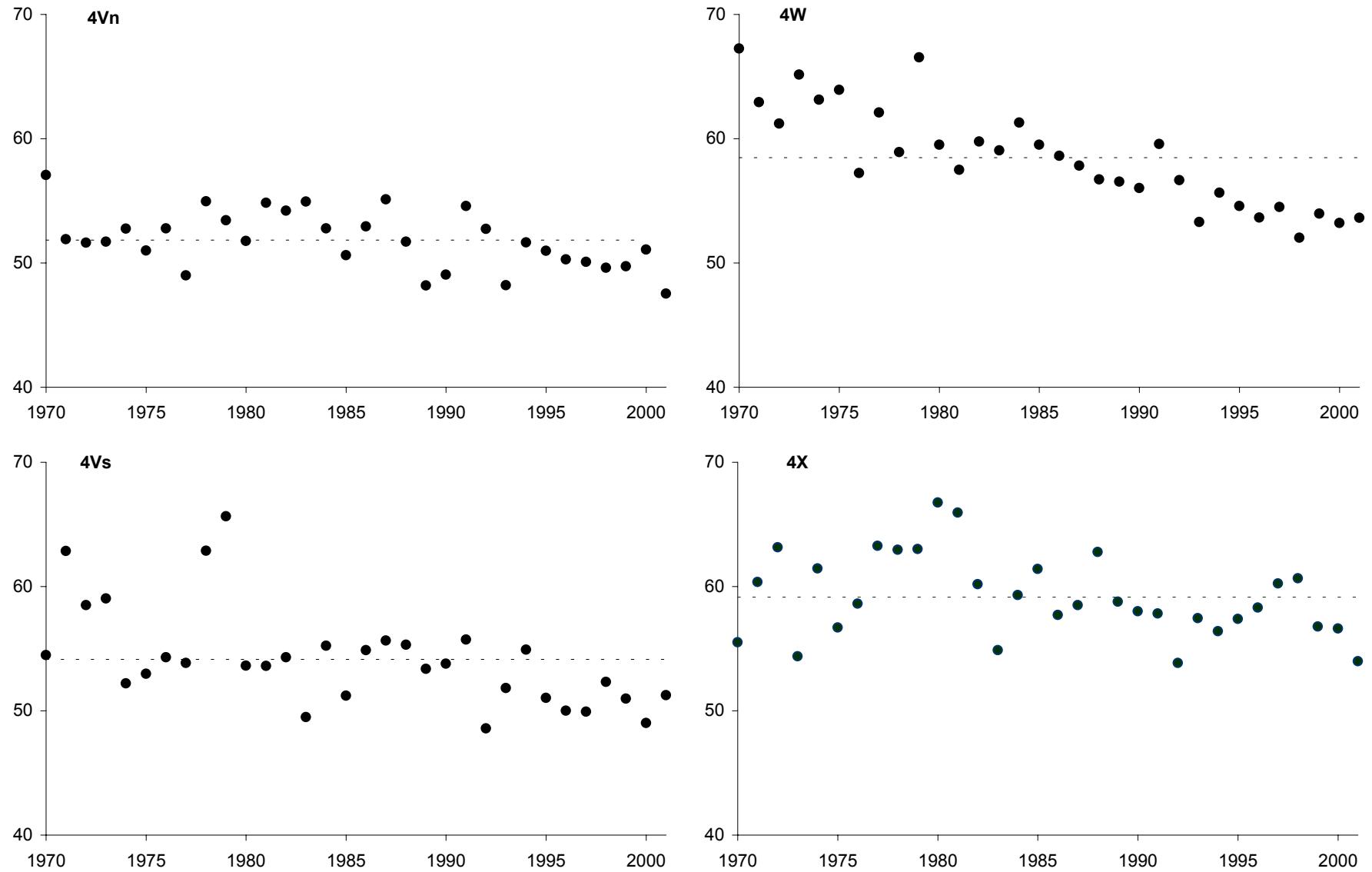


Figure 22. Mean length (cm) of large (45+ cm) white hake in 4Vn, 4Vs, 4W and 4X.

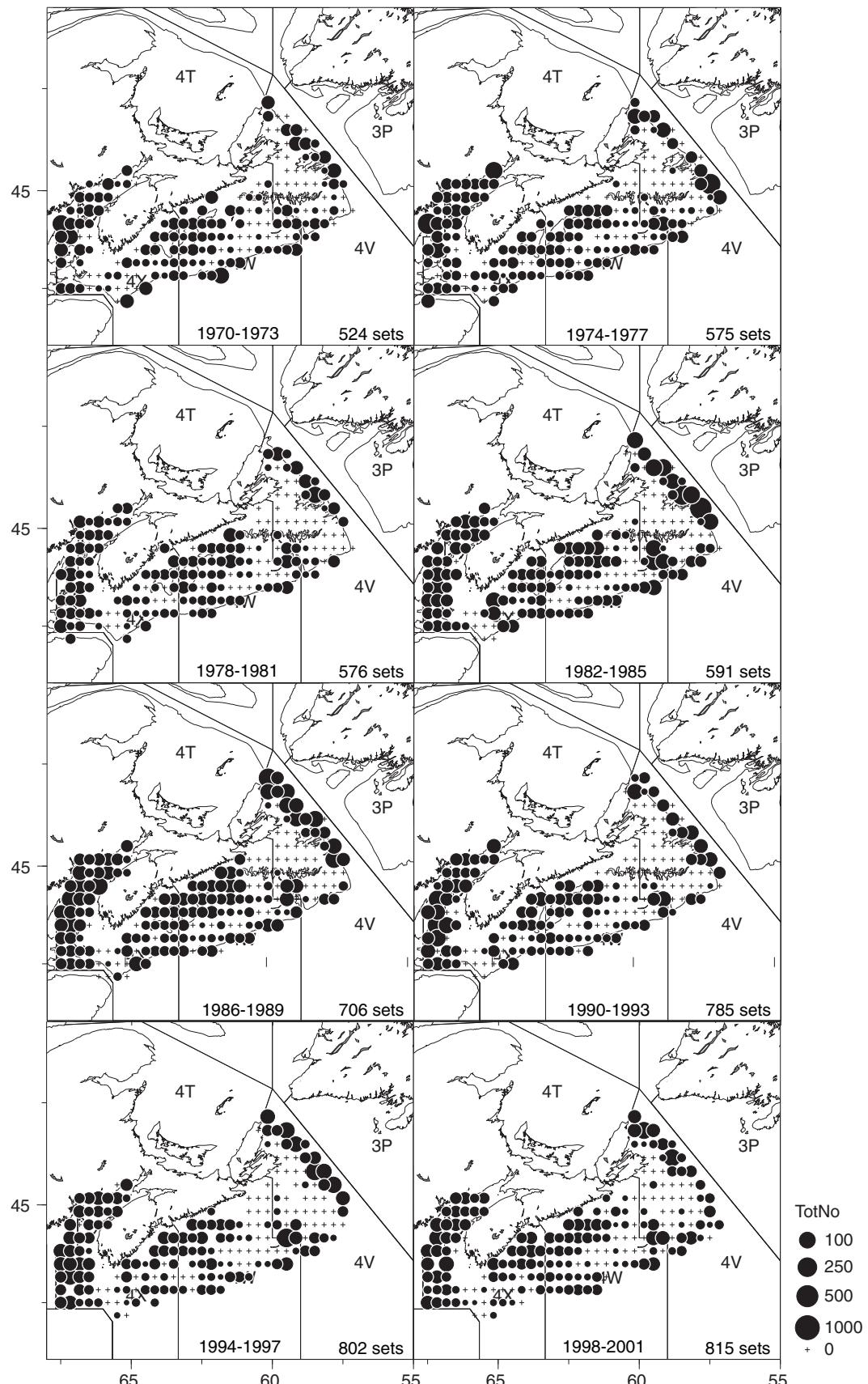


Figure 23 Distribution of white hake in the Summer RV Survey in 4VWX,5Y plus the deep water strata 496,-498, 1970-2001.

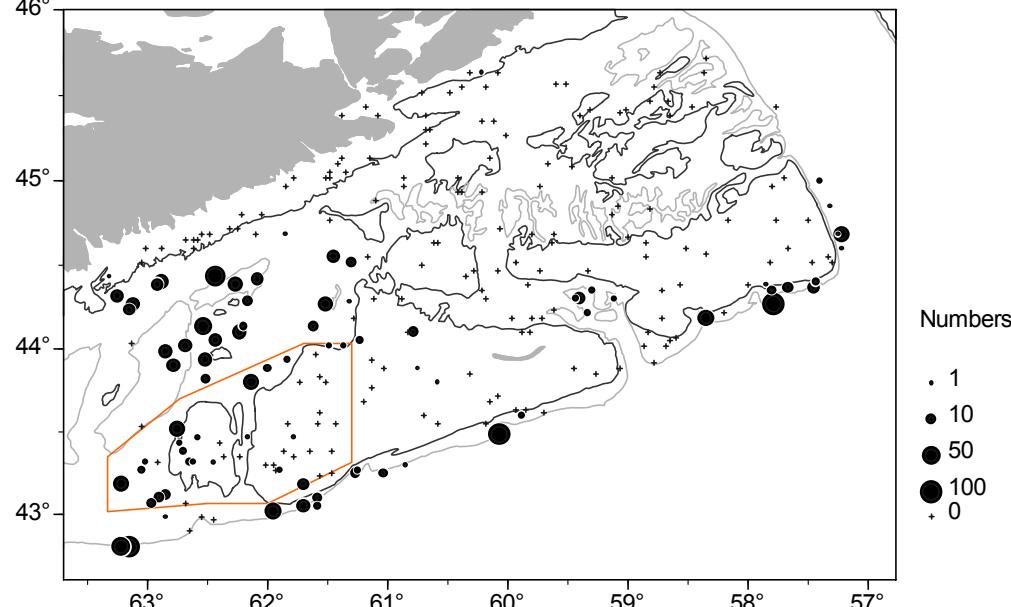
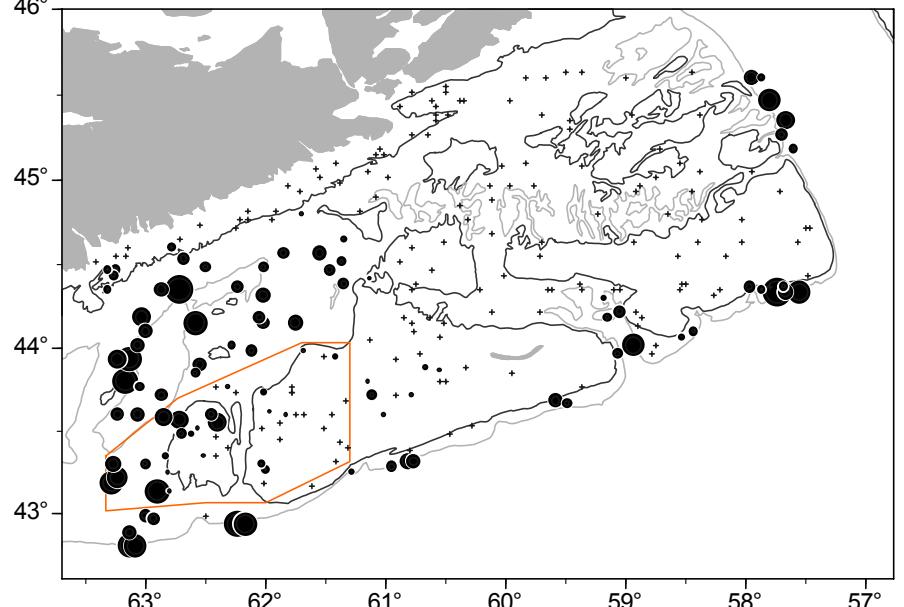
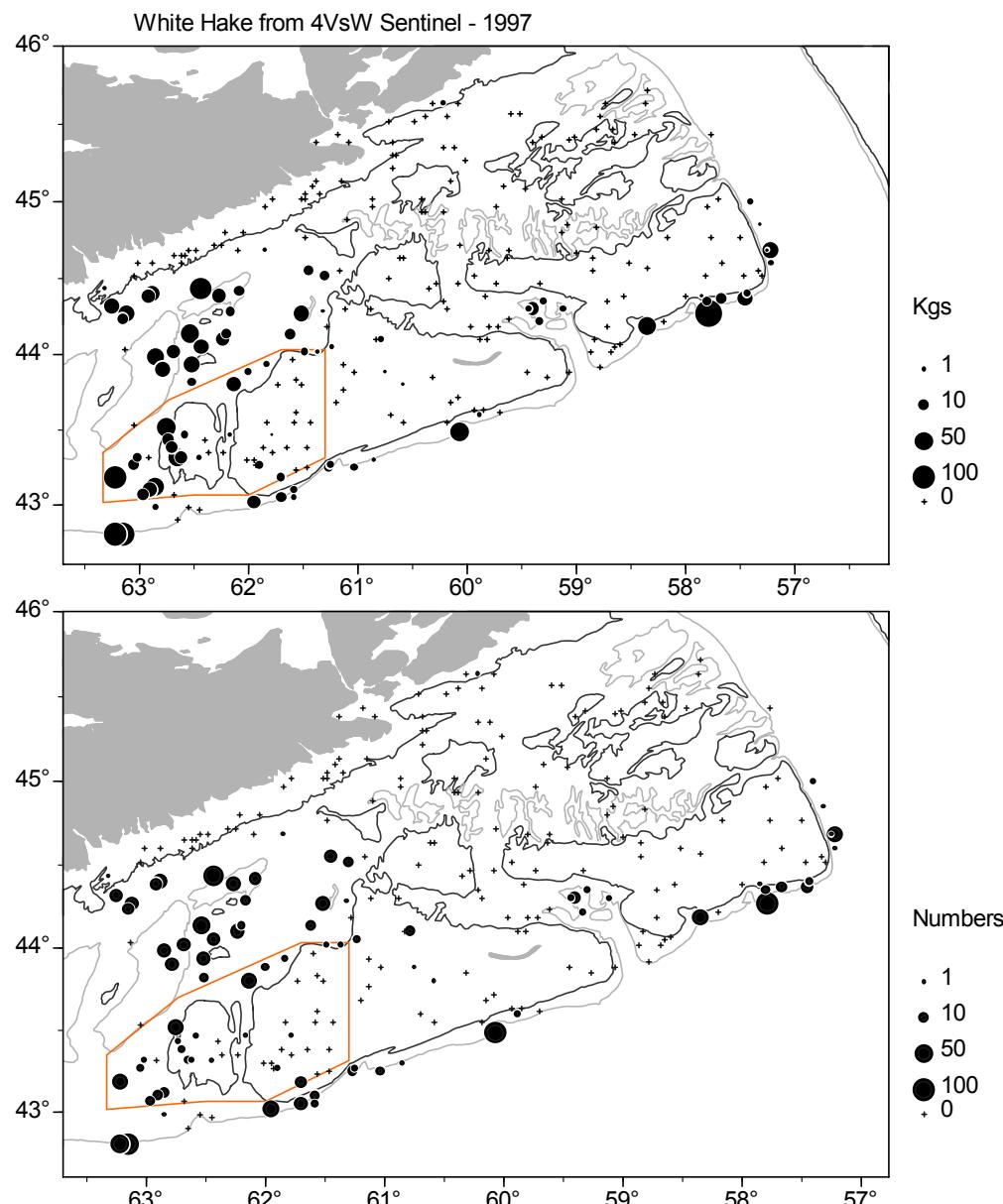
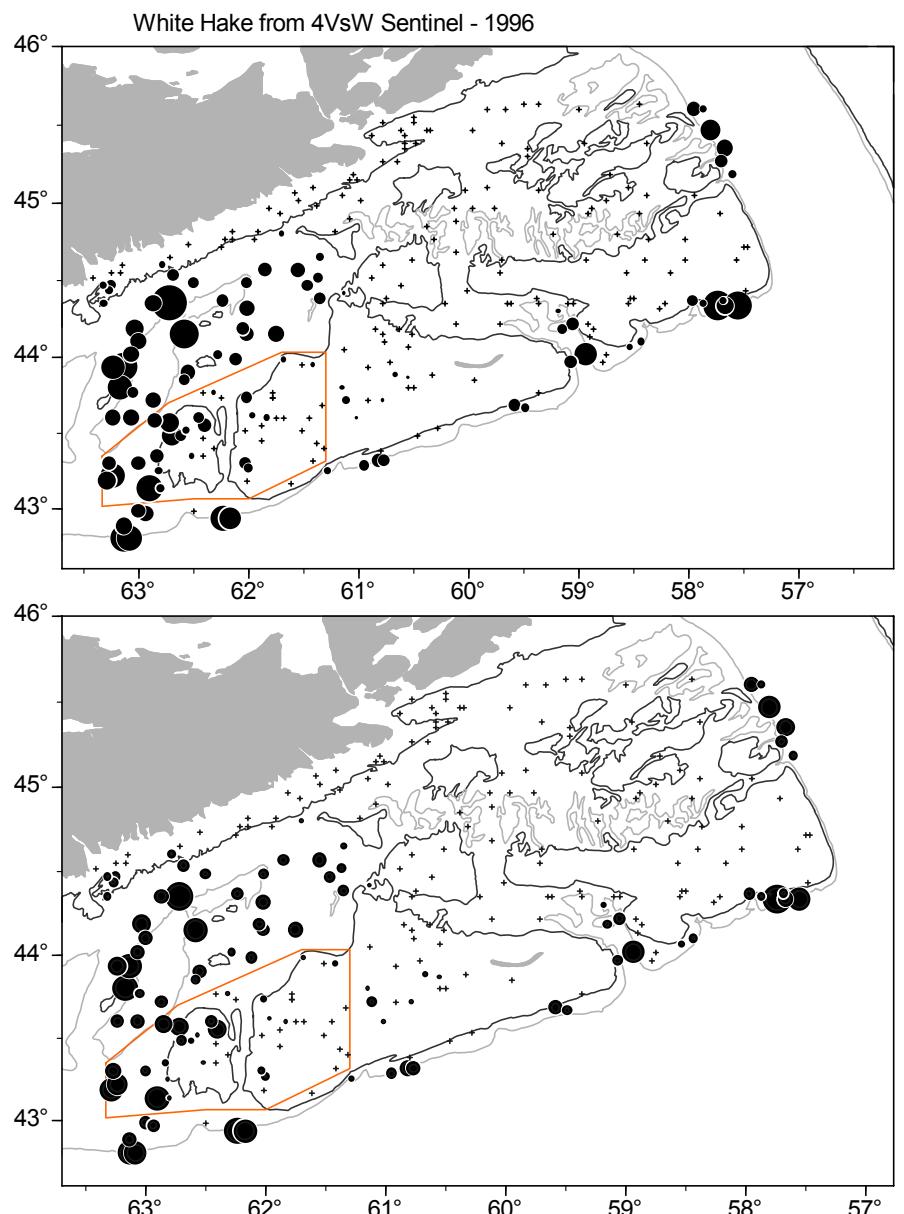


Figure 24 Distribution of white hake in the 4VsW Sentinel Survey, 1996 – 2000.

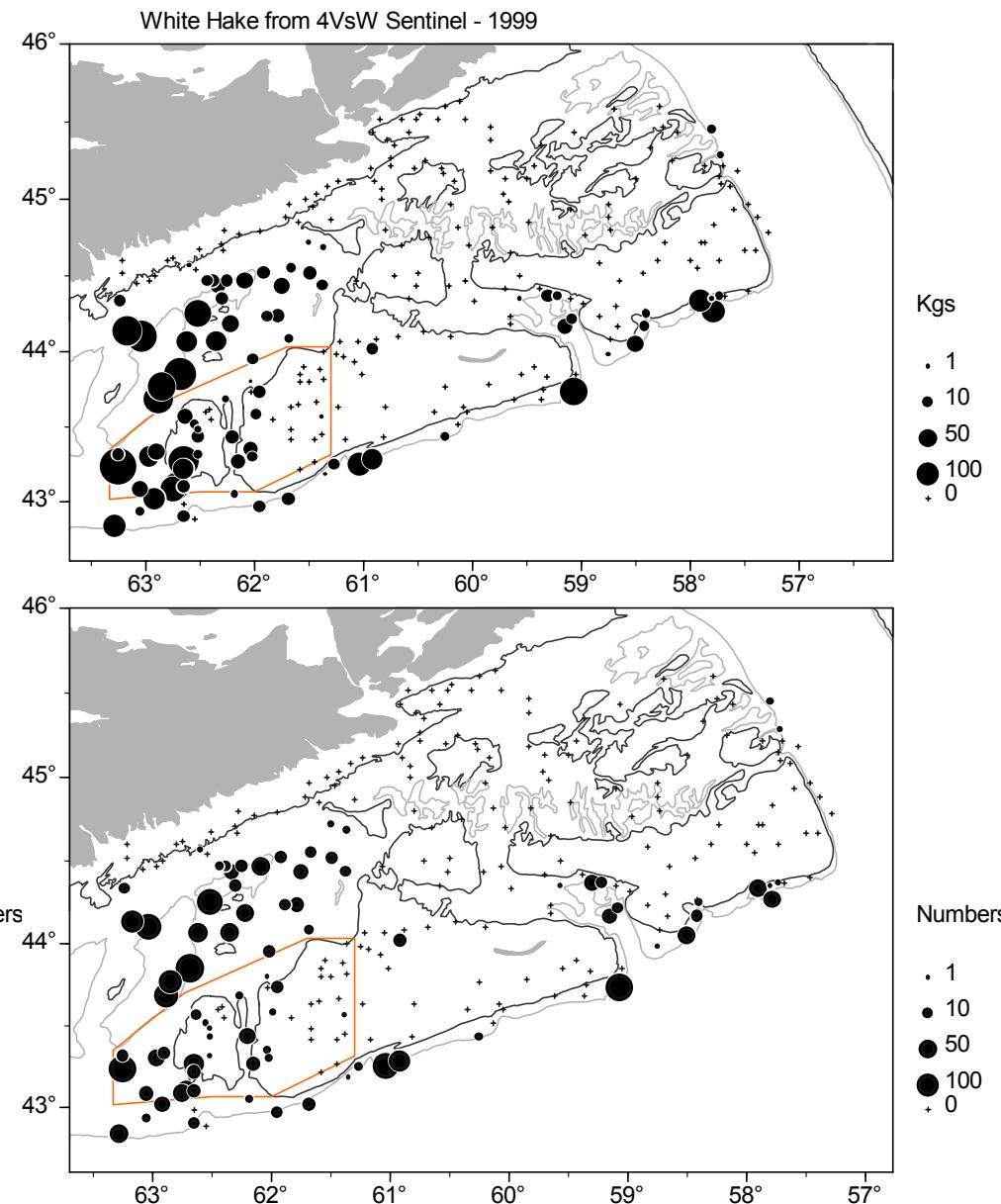
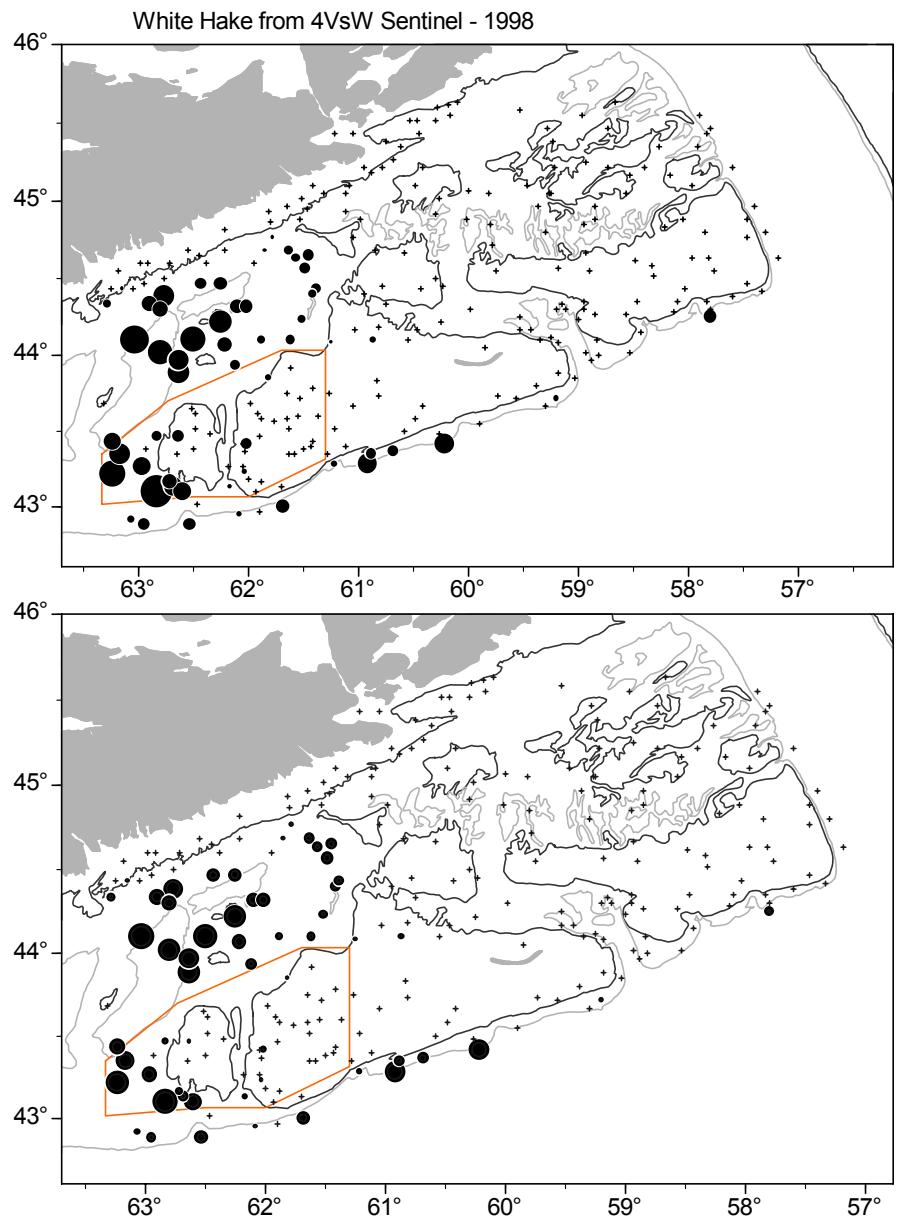


Figure 24 (cont) Distribution of white hake in the 4VsW Sentinel Survey, 1996 – 2000.

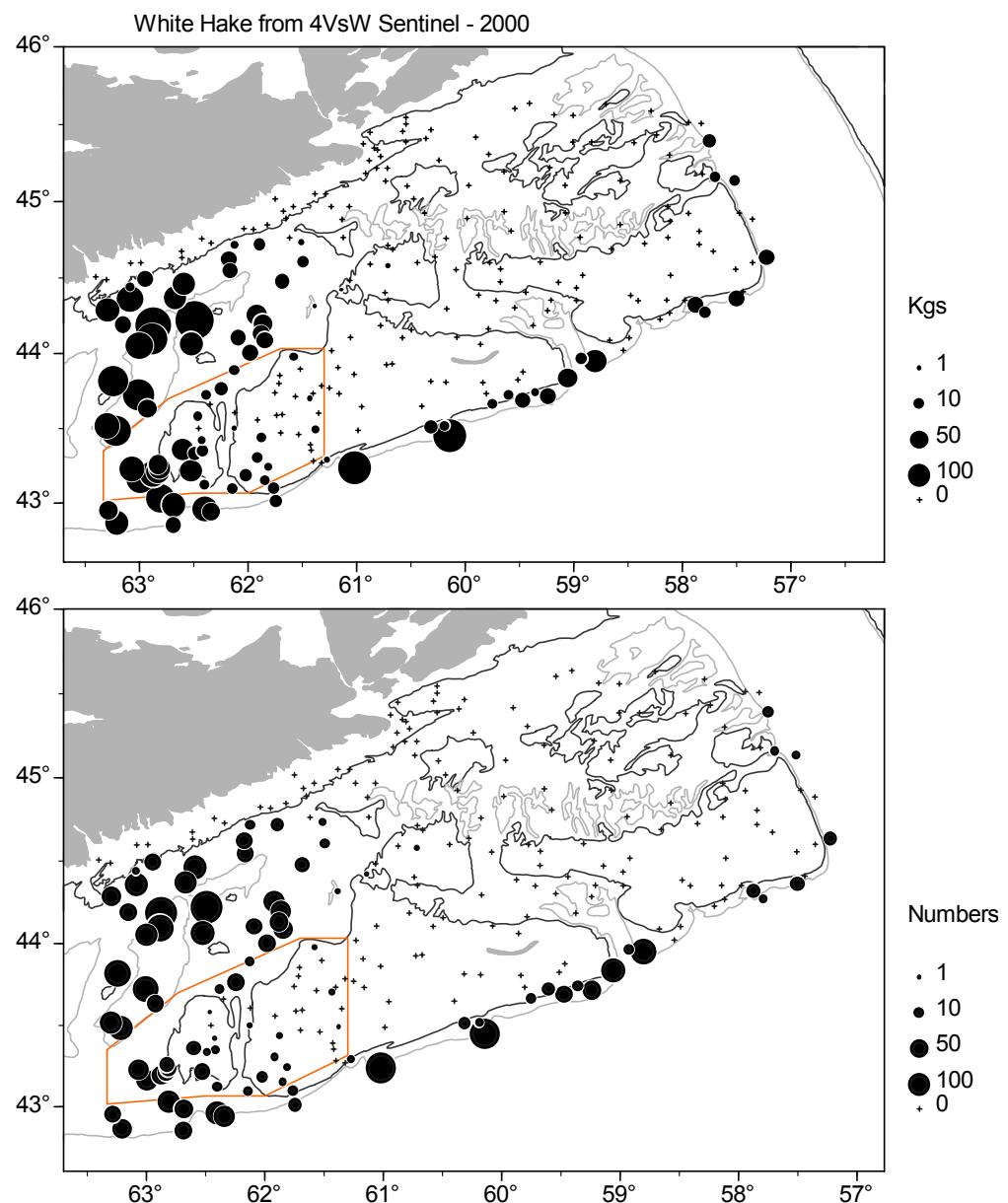


Figure 24 (cont) Distribution of white hake in the 4VsW Sentinel Survey, 1996 – 2000.