

*The following appendix accompanies the article*

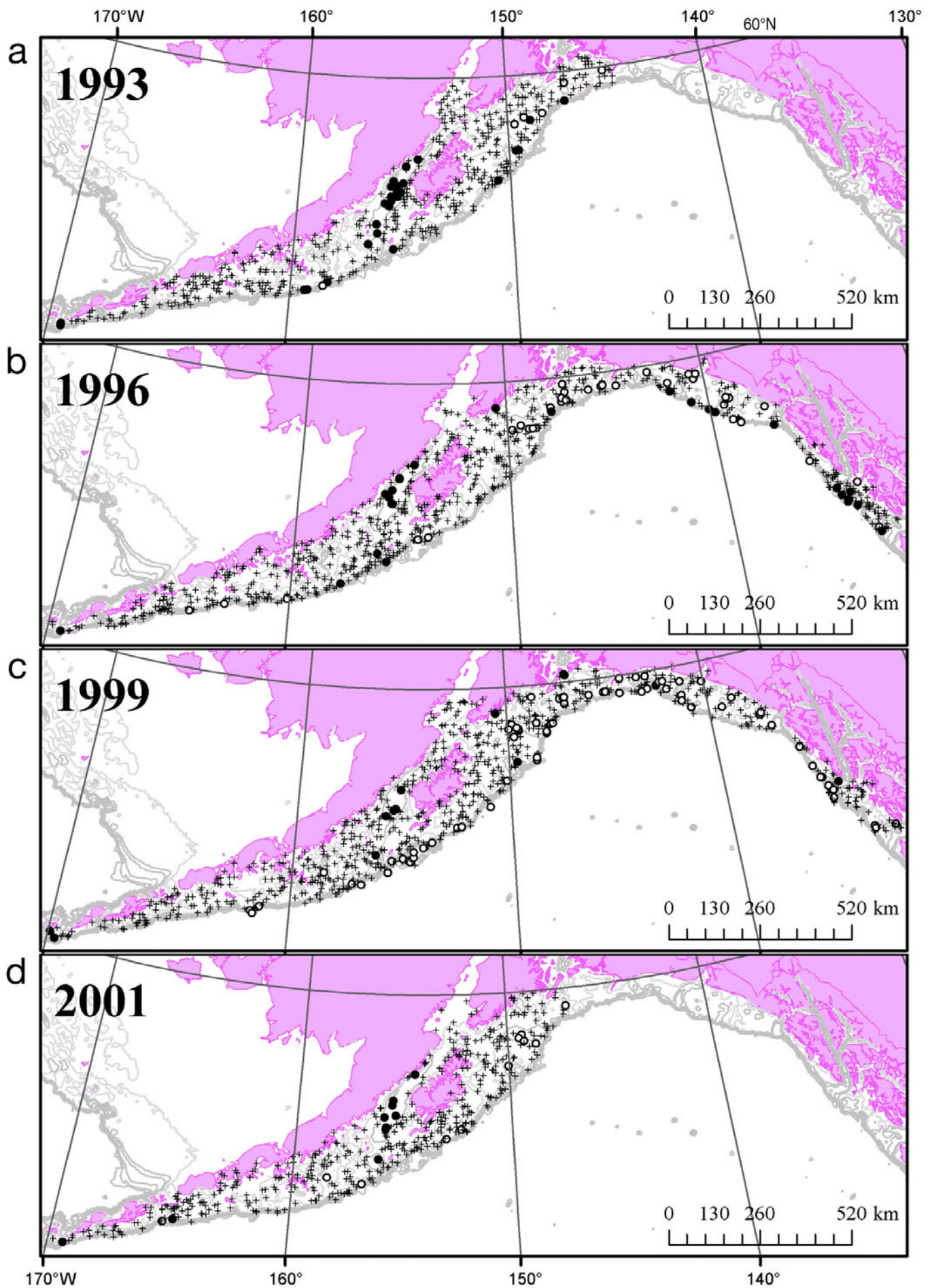
# **Predicting presence and abundance of demersal fishes: a model application to shortspine thornyhead *Sebastolobus alascanus***

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**Appendix 1.** Fig. A1. Spatial patterns of residuals from the best-fitting model for Gulf of Alaska surveys from (a) 1993, (b) 1996, (c) 1999, (d) 2001, (e) 2003, (f) 2005 and (g) 2007. Residuals were calculated as observed catch per unit effort (CPUE) minus predicted CPUE. Residuals were categorized as  $>1.5$  (o),  $<-1.5$  (●) and from  $-1.5$  to  $1.5$  (+)

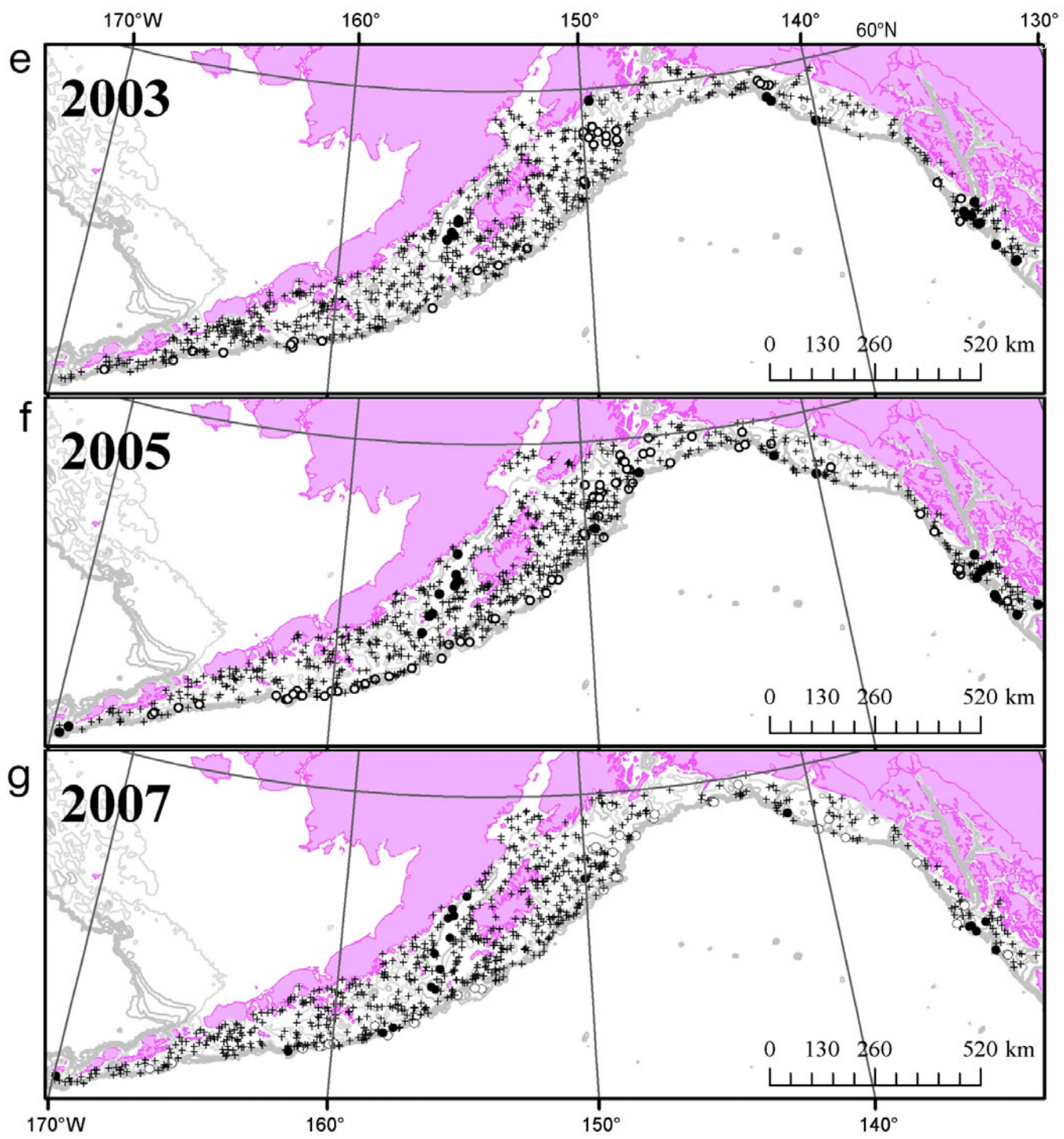


Fig. A1 (continued)



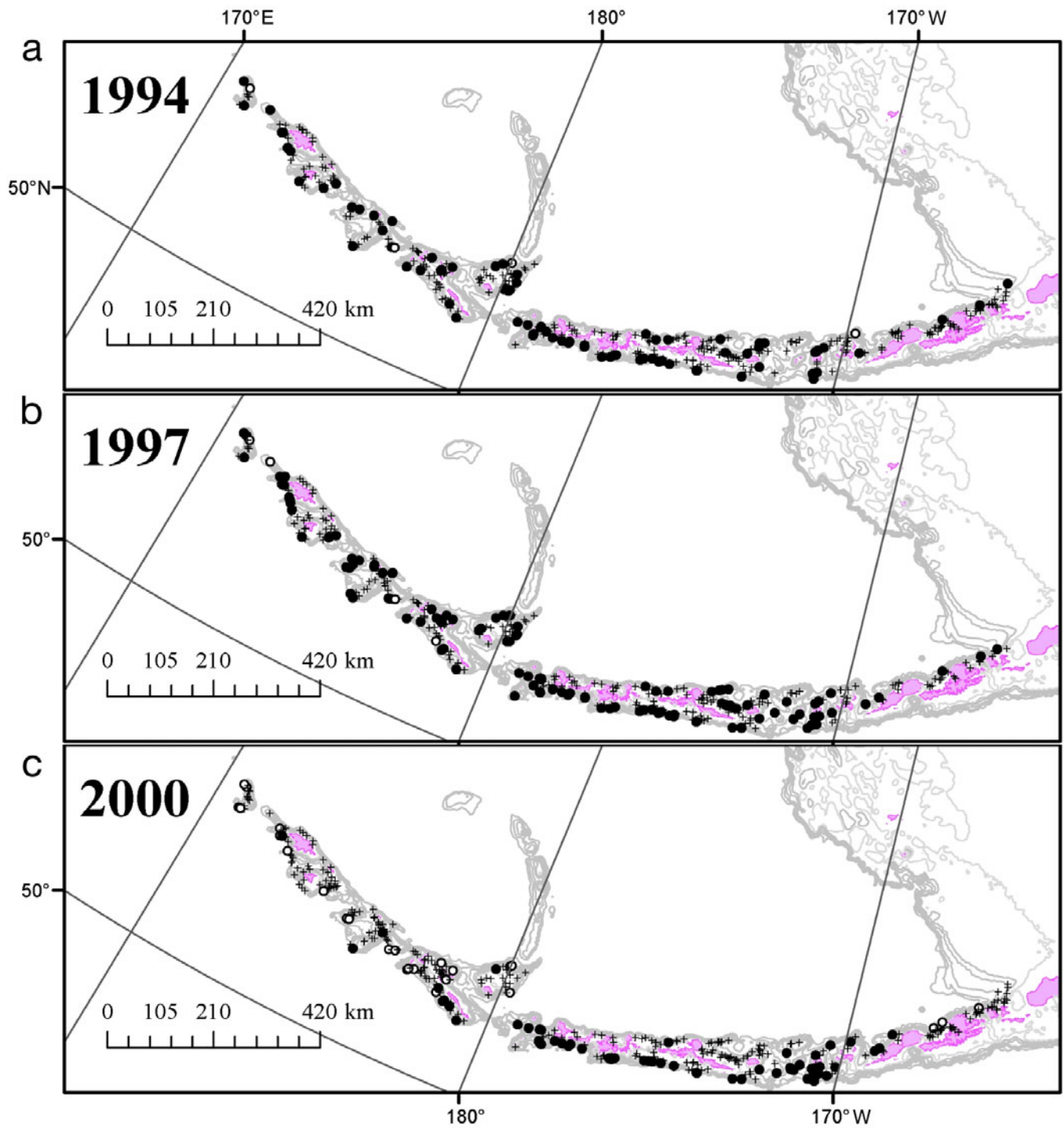


Fig. A2. Spatial patterns of residuals from the best-fitting model for Aleutian Islands surveys from (a) 1994, (b) 1997, (c) 2000, (d) 2002, (e) 2004 and (f) 2006. Residuals were calculated as observed catch per unit effort (CPUE) minus predicted CPUE. Residuals were categorized as  $>1.5$  (○),  $<-1.5$  (●) and from  $-1.5$  to  $1.5$  (+)

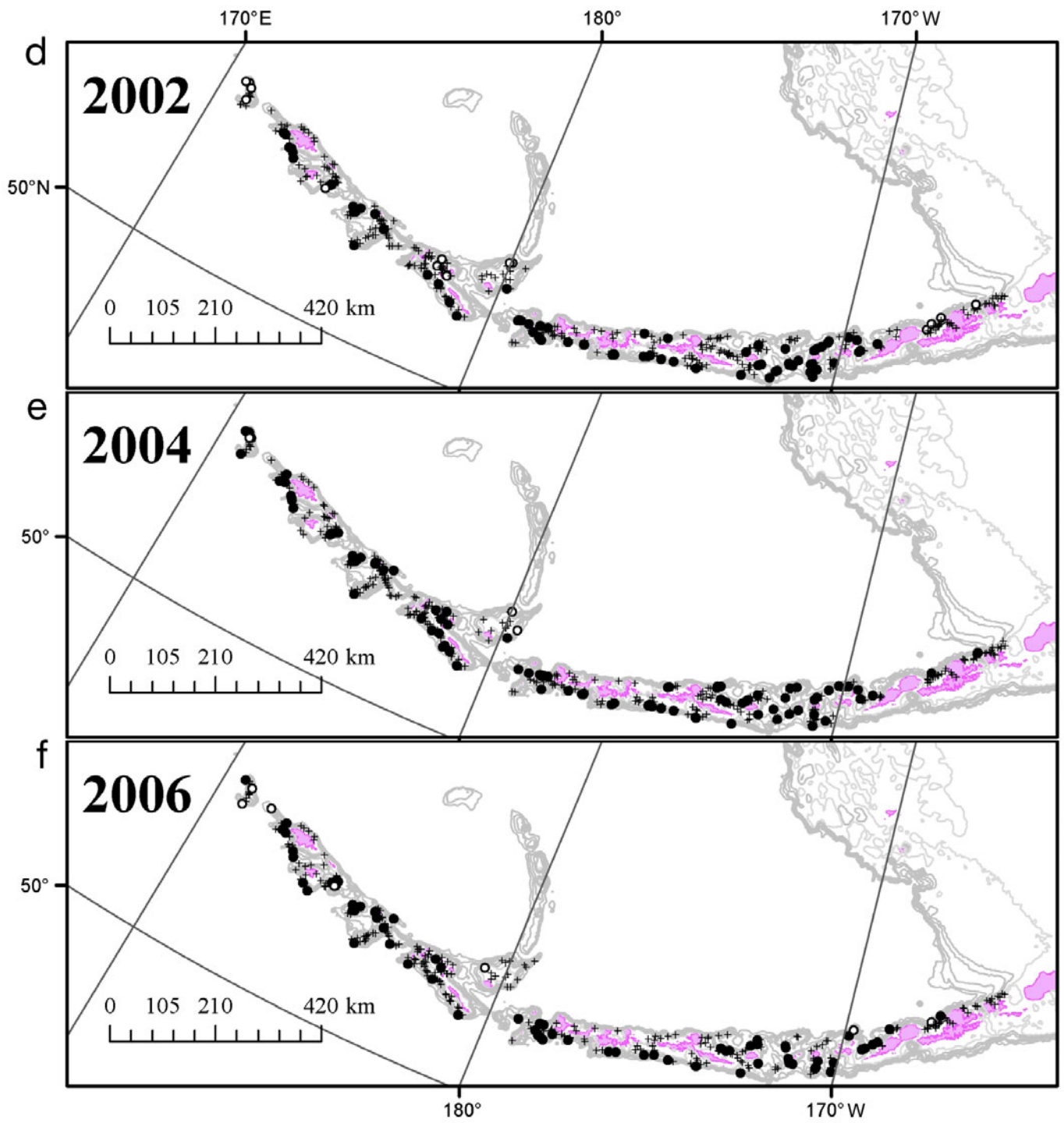


Fig. A2 (continued)