

Figure A2.1. Statistical areas for Cape Cod – Gulf of Maine yellowtail flounder.

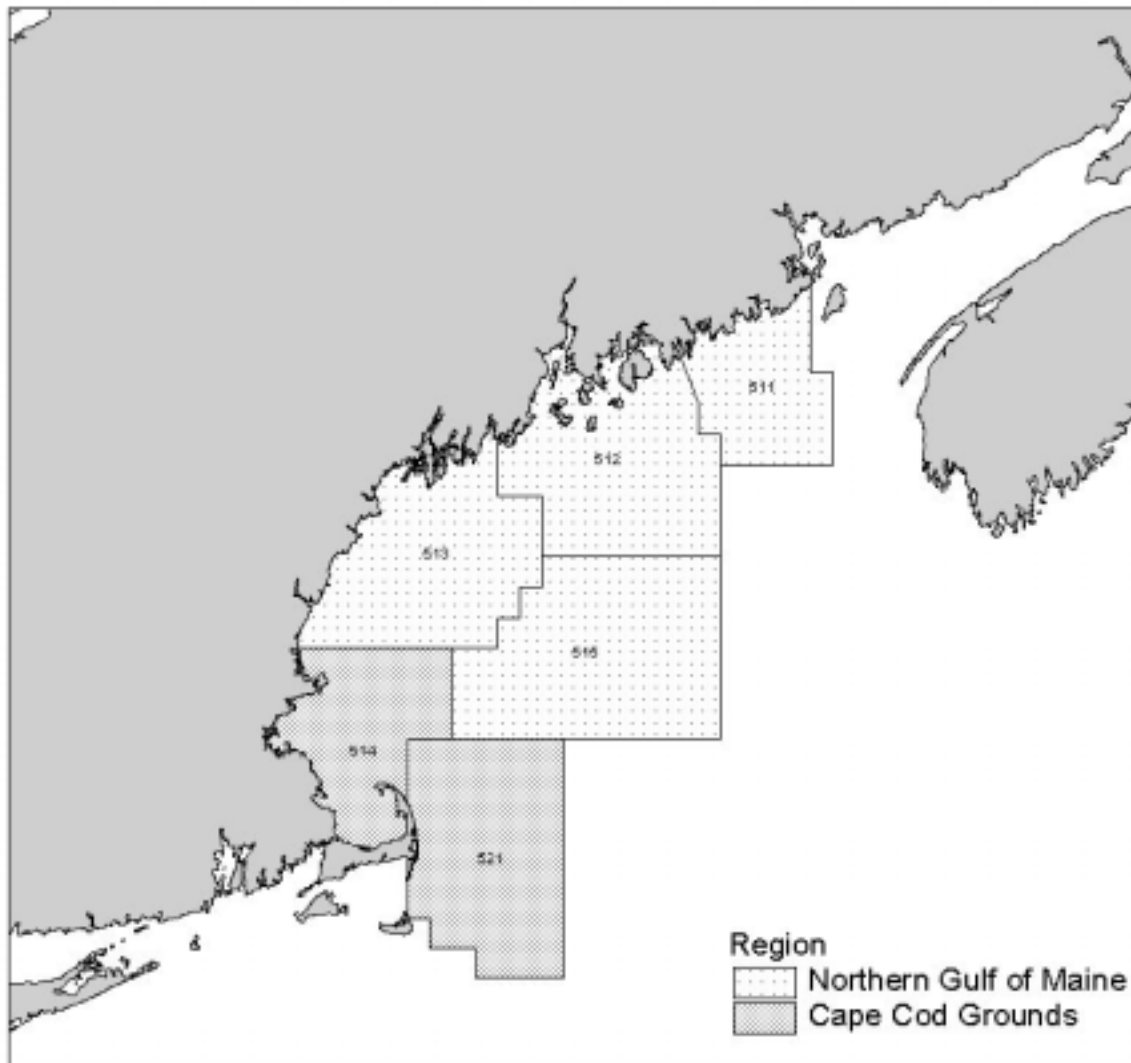


Figure A2.2. Cape Cod – Gulf of Maine yellowtail flounder catch.

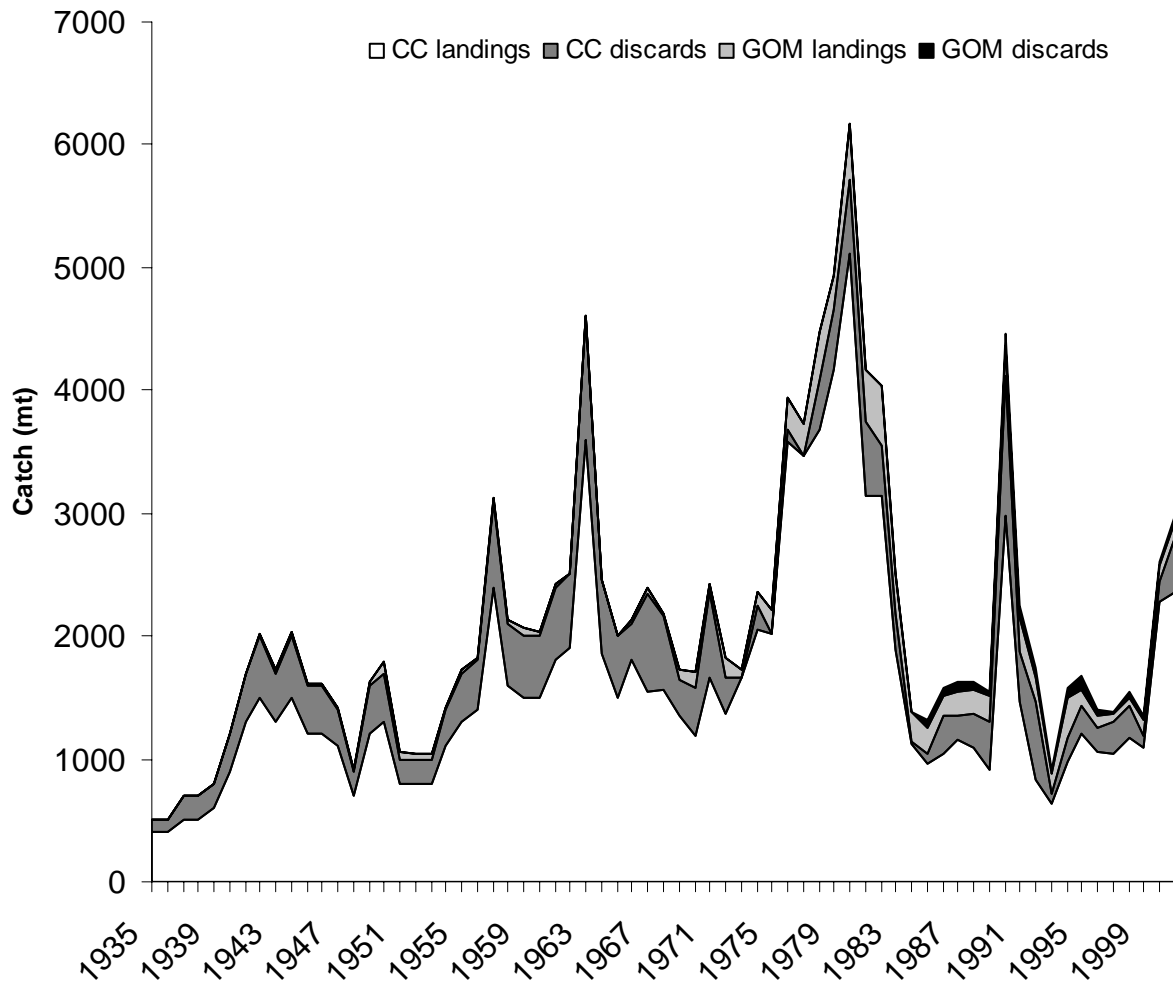


Figure A2.3. Total catch at age of Cape Cod – Gulf of Maine yellowtail flounder.

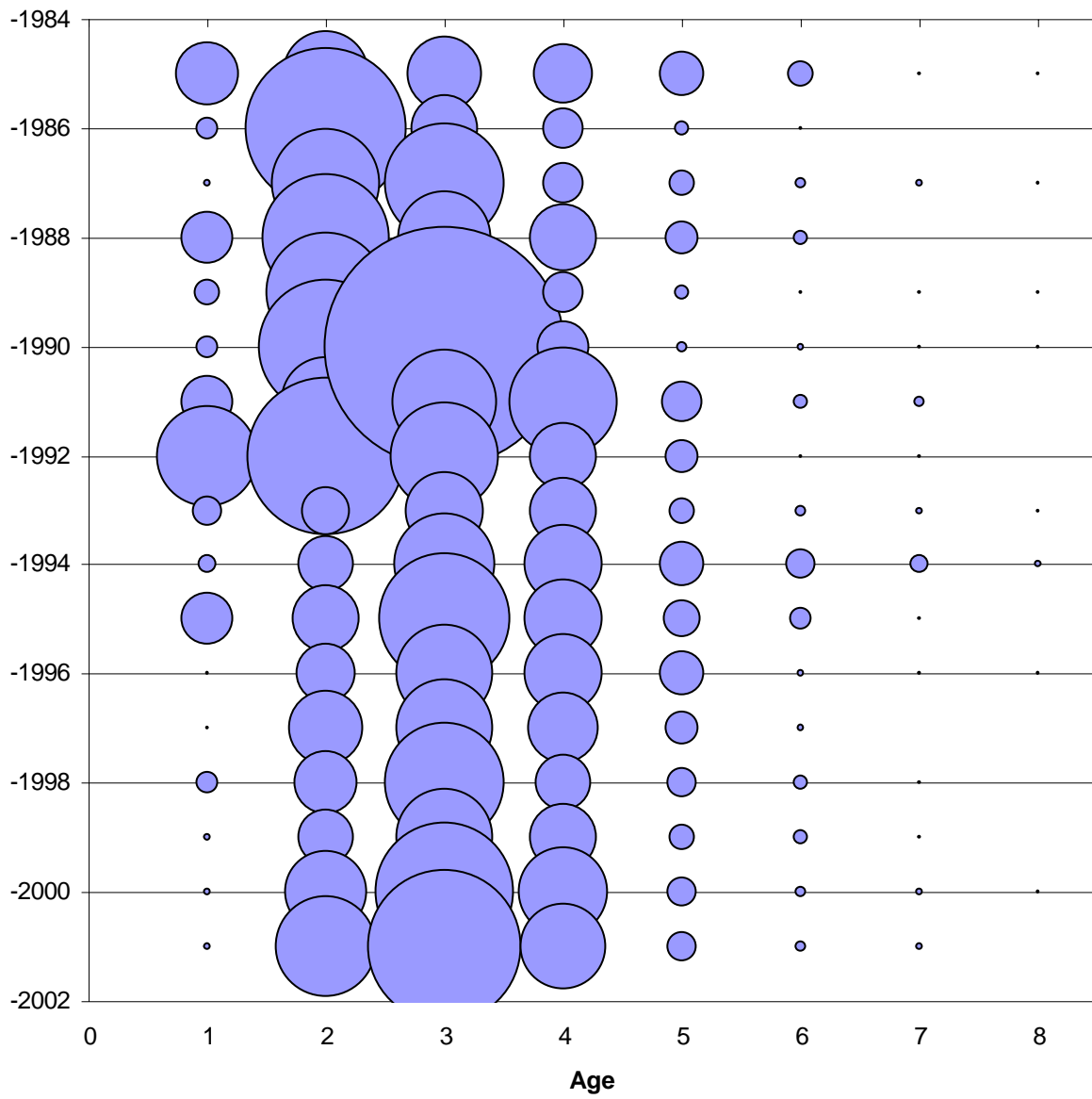


Figure A2.4. Mean weight at age of Cape Cod – Gulf of Maine yellowtail flounder catch.

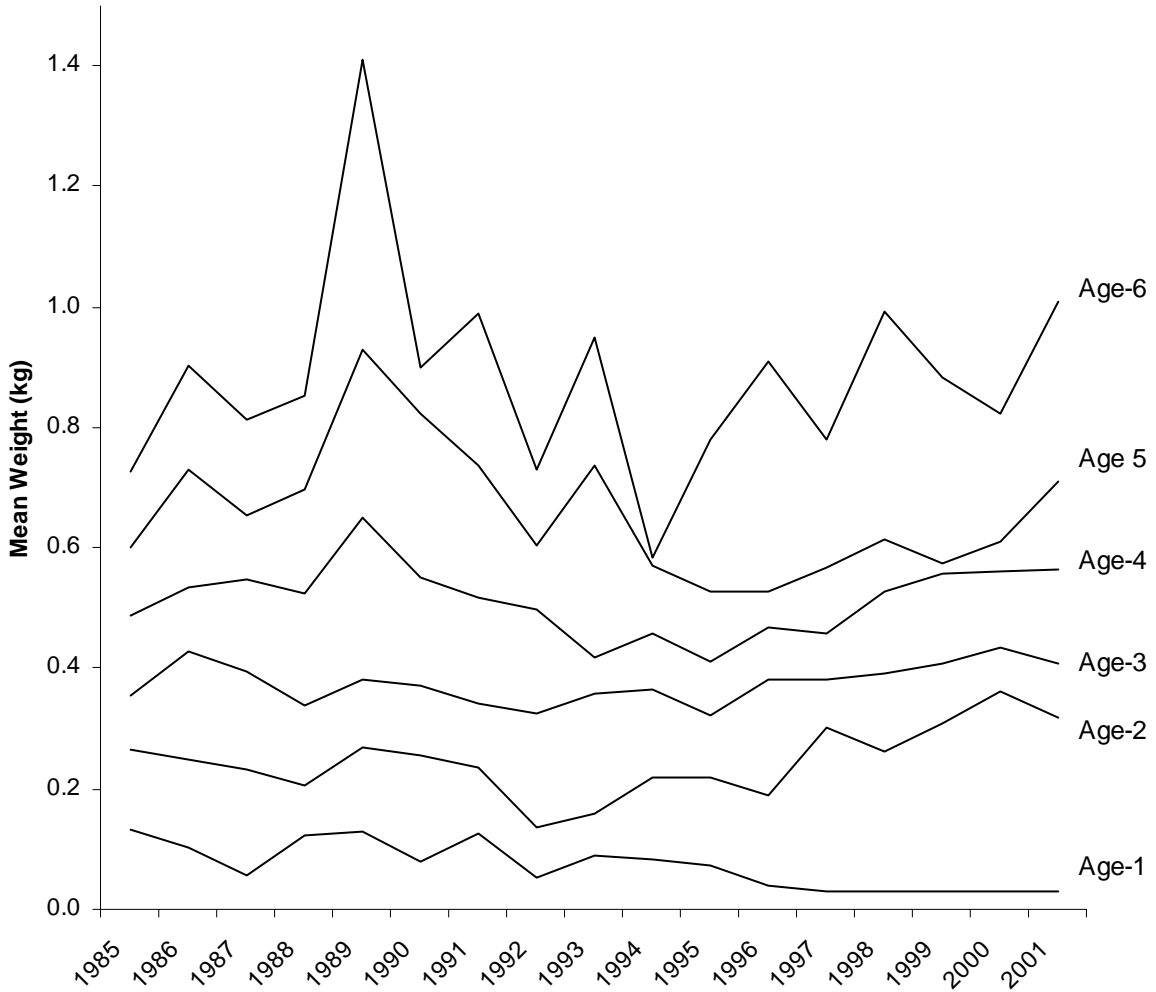


Figure A2.5. NEFSC survey strata used for Cape Cod – Gulf of Maine yellowtail flounder.

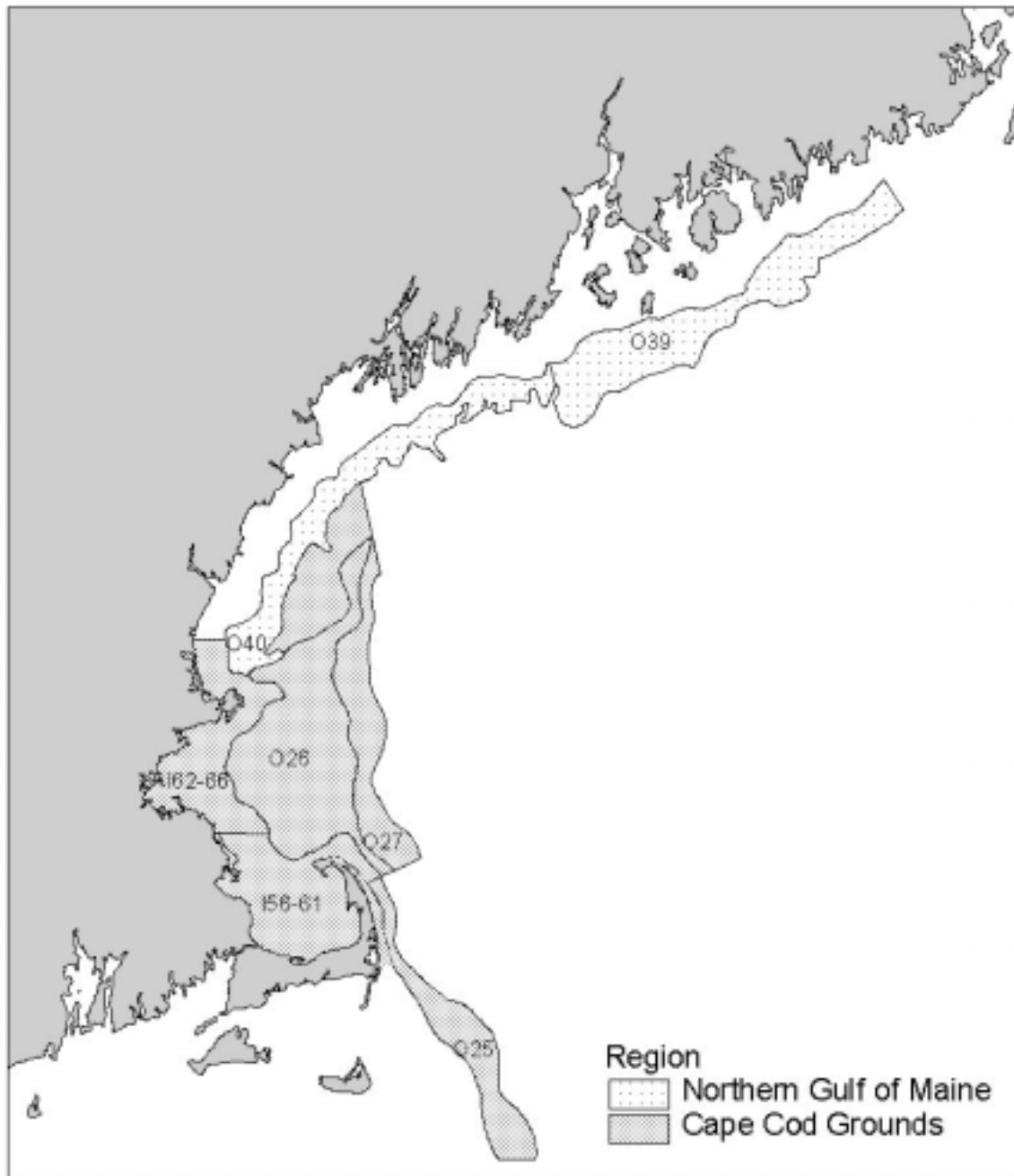


Figure A2.6a. Survey indices of Cape Cod – Gulf of Maine yellowtail flounder biomass.

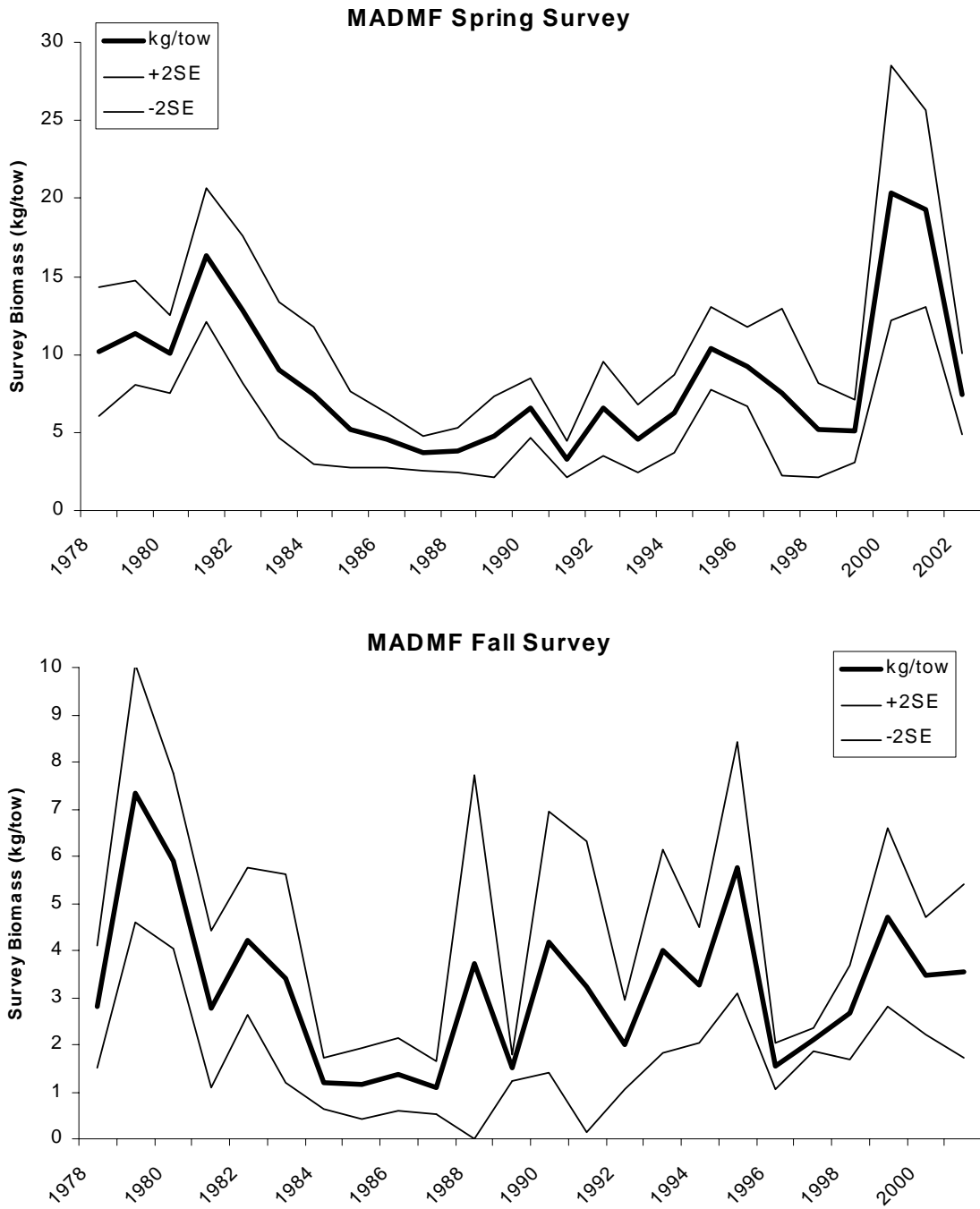


Figure A2.6b.

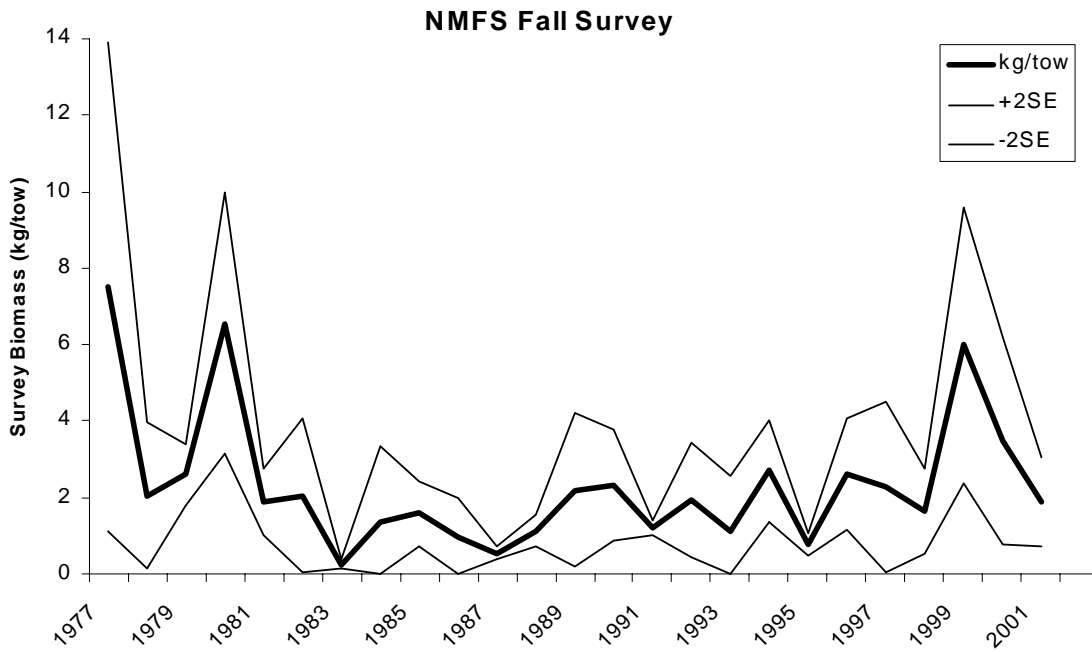
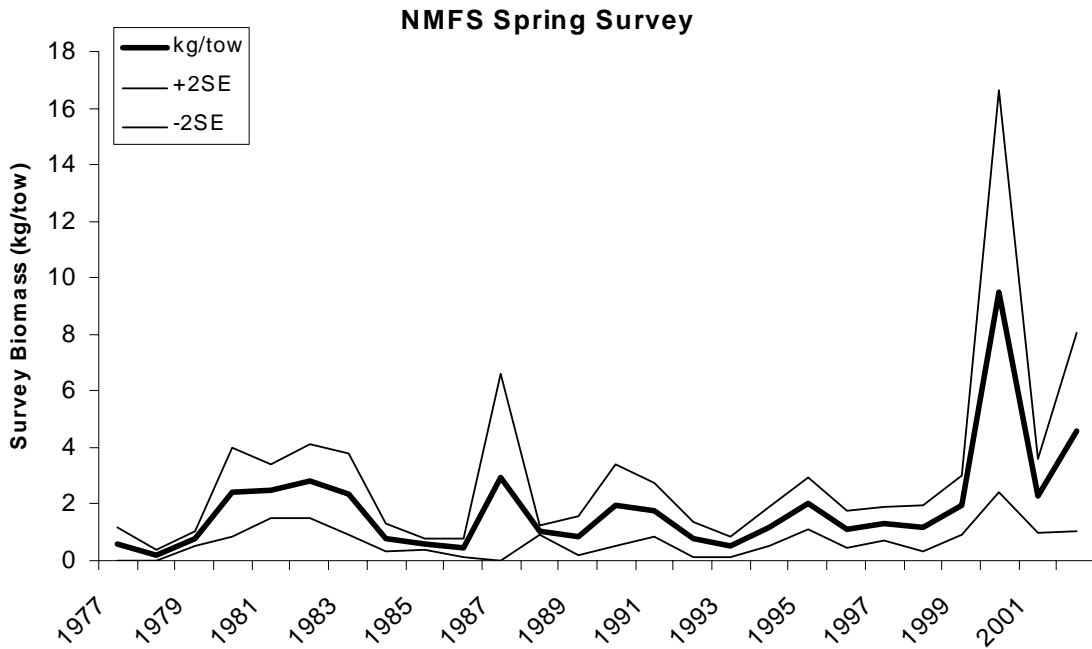


Figure A2.7a. Distribution of yellowtail flounder from recent surveys.

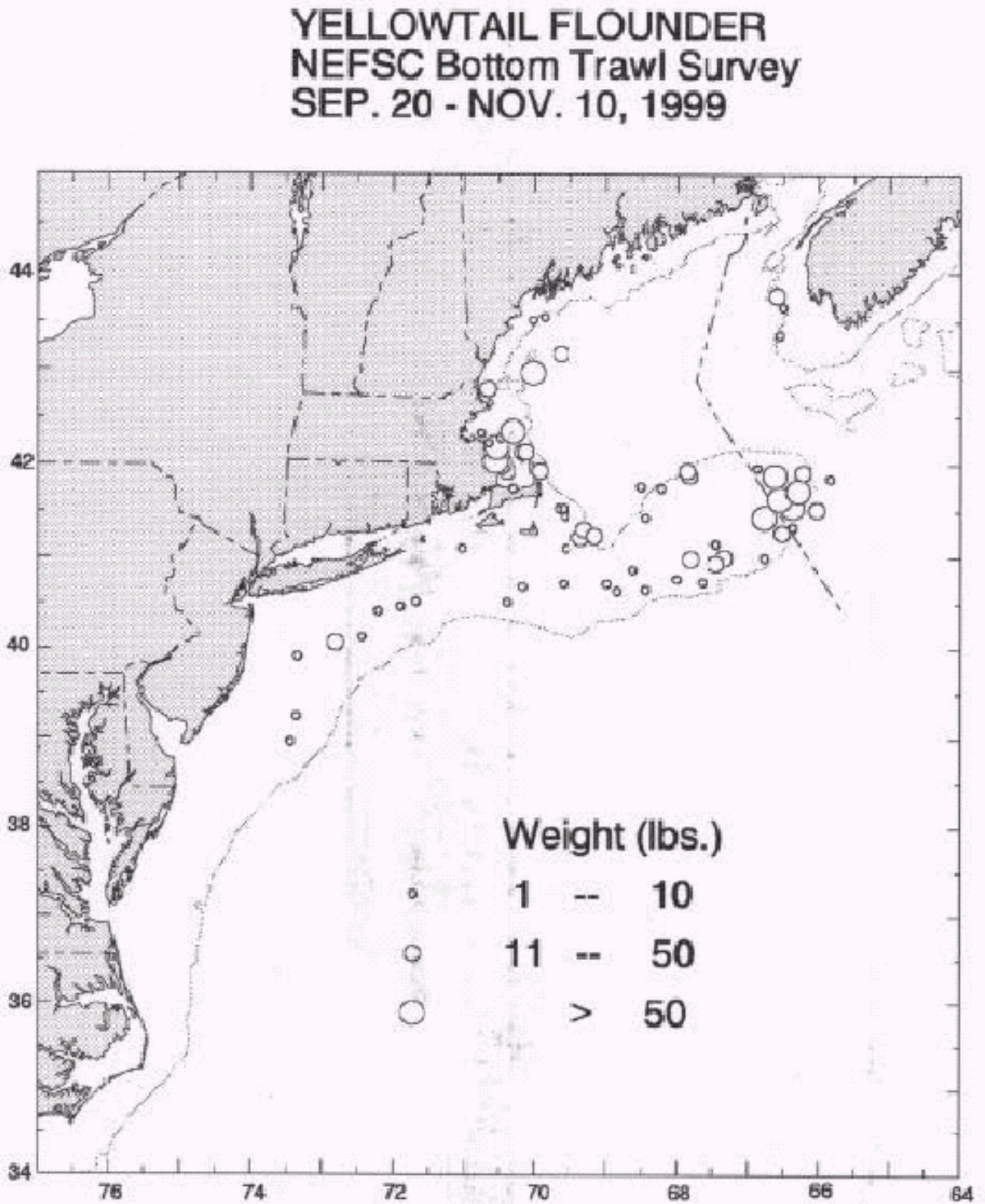




Figure A2.7b.

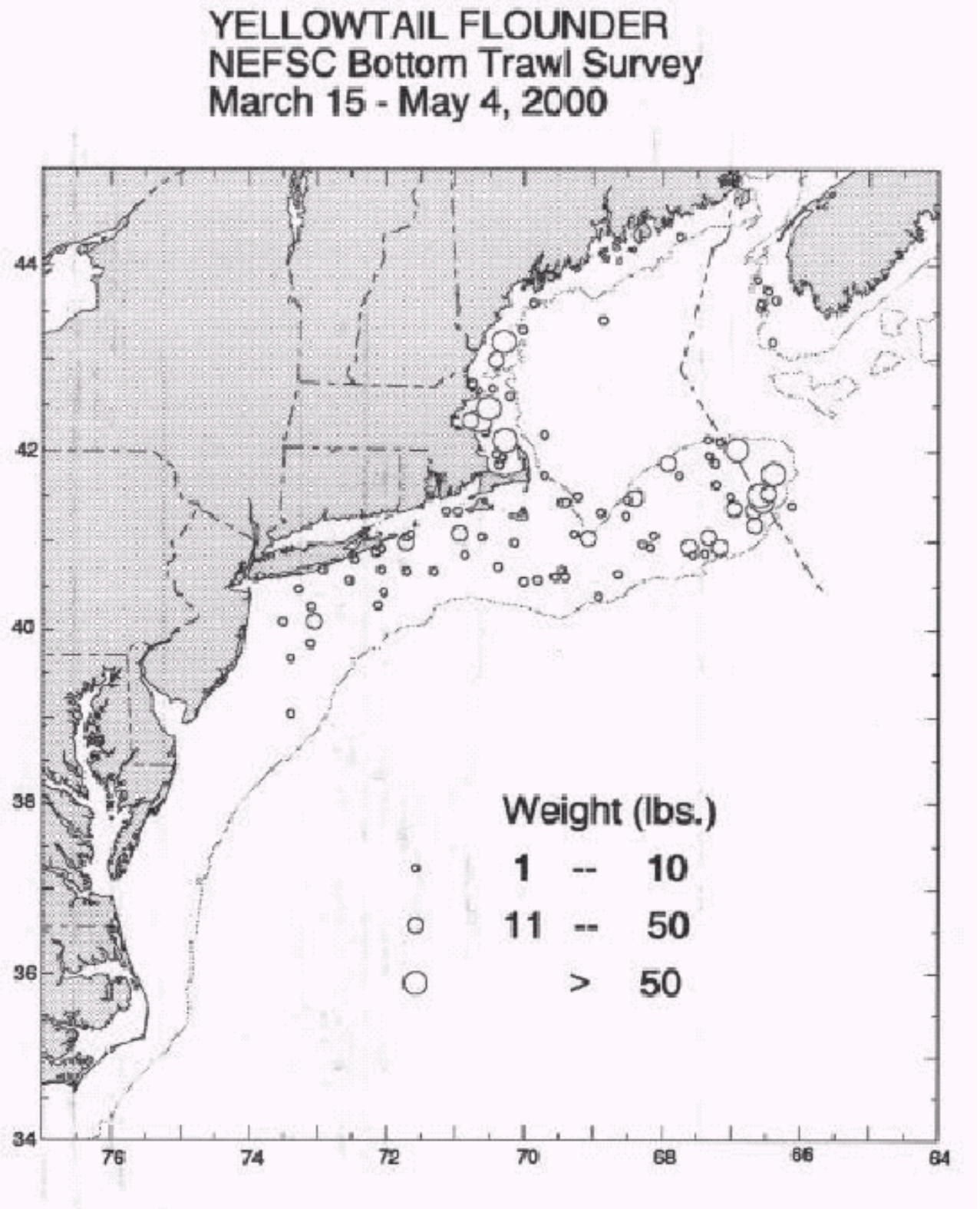


Figure A2.8. Geographic distribution of area-swept biomass of Cape Cod – Gulf of Maine yellowtail flounder from the NEFSC fall survey (offshore strata only).

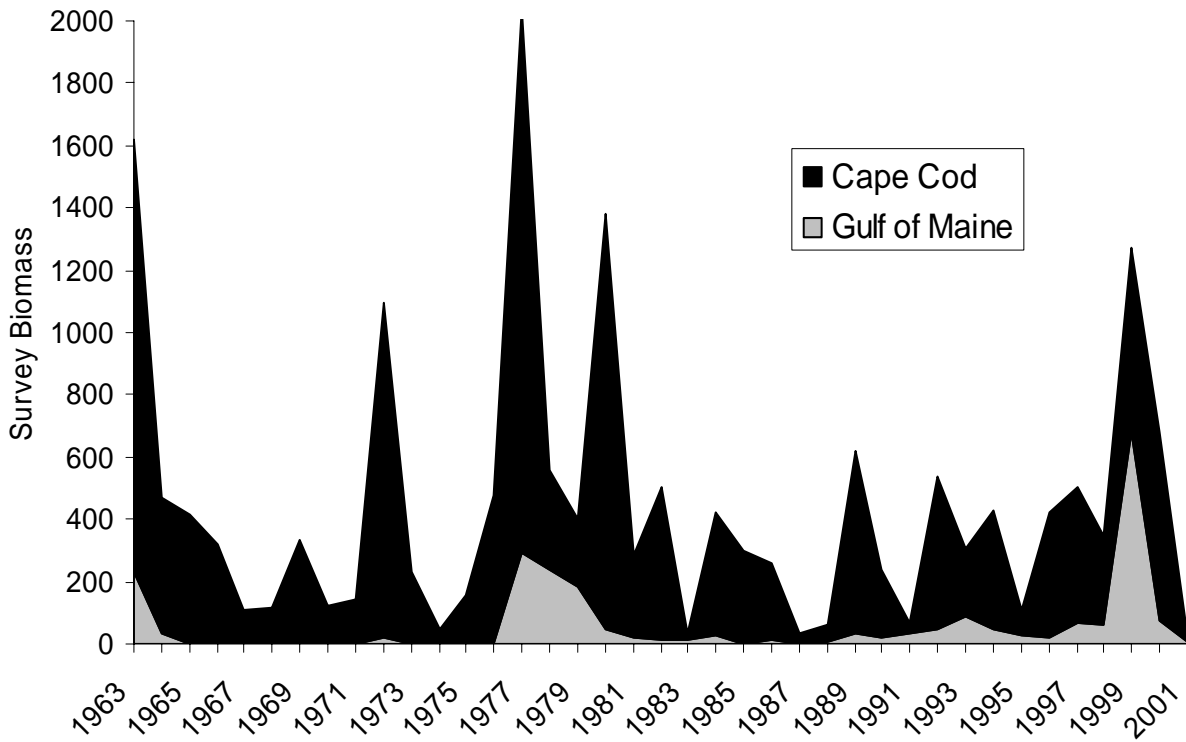


Figure A2.9a. Survey age distributions of Cape Cod – Gulf of Maine yellowtail flounder.

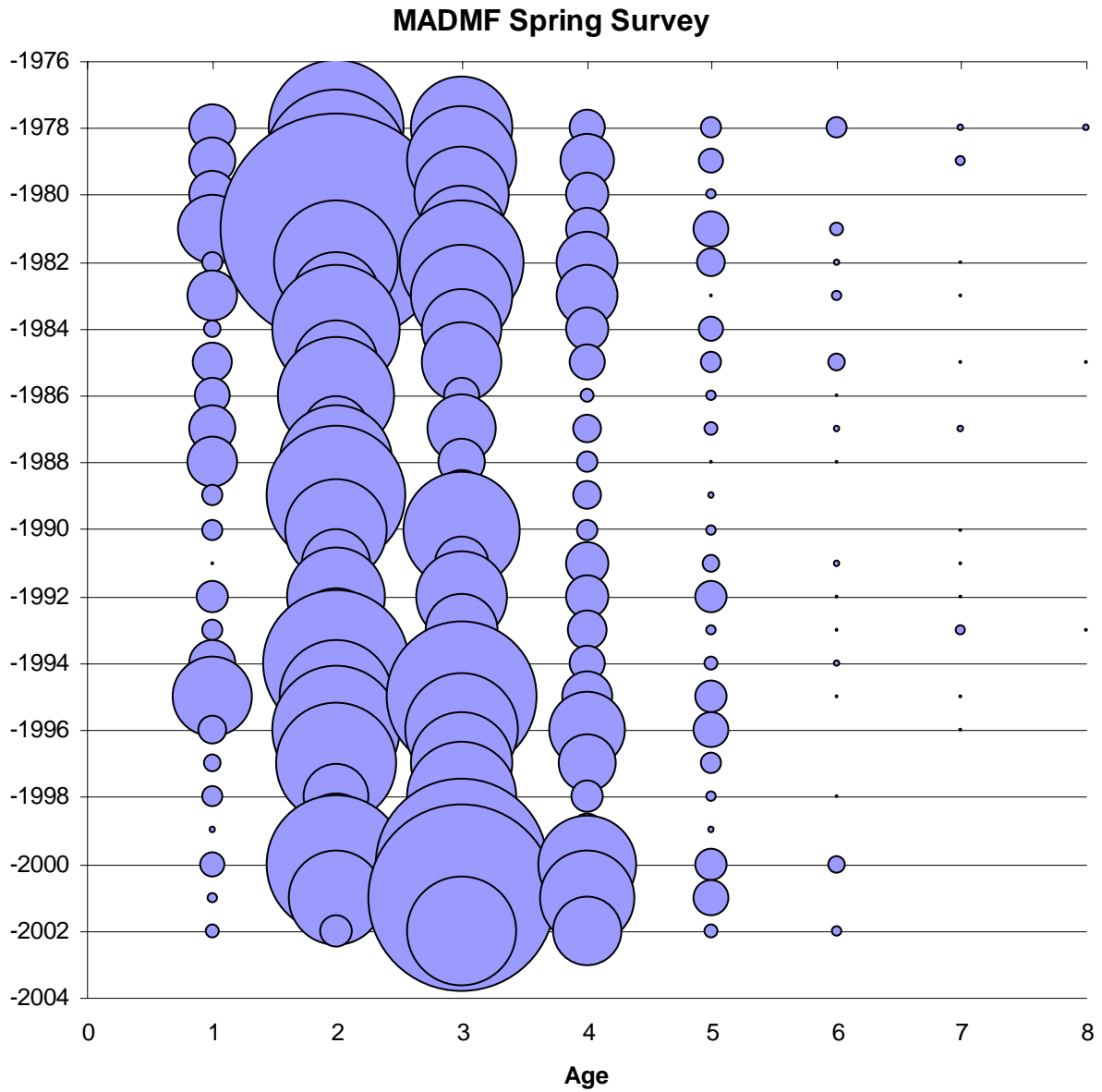


Figure A2.9b.

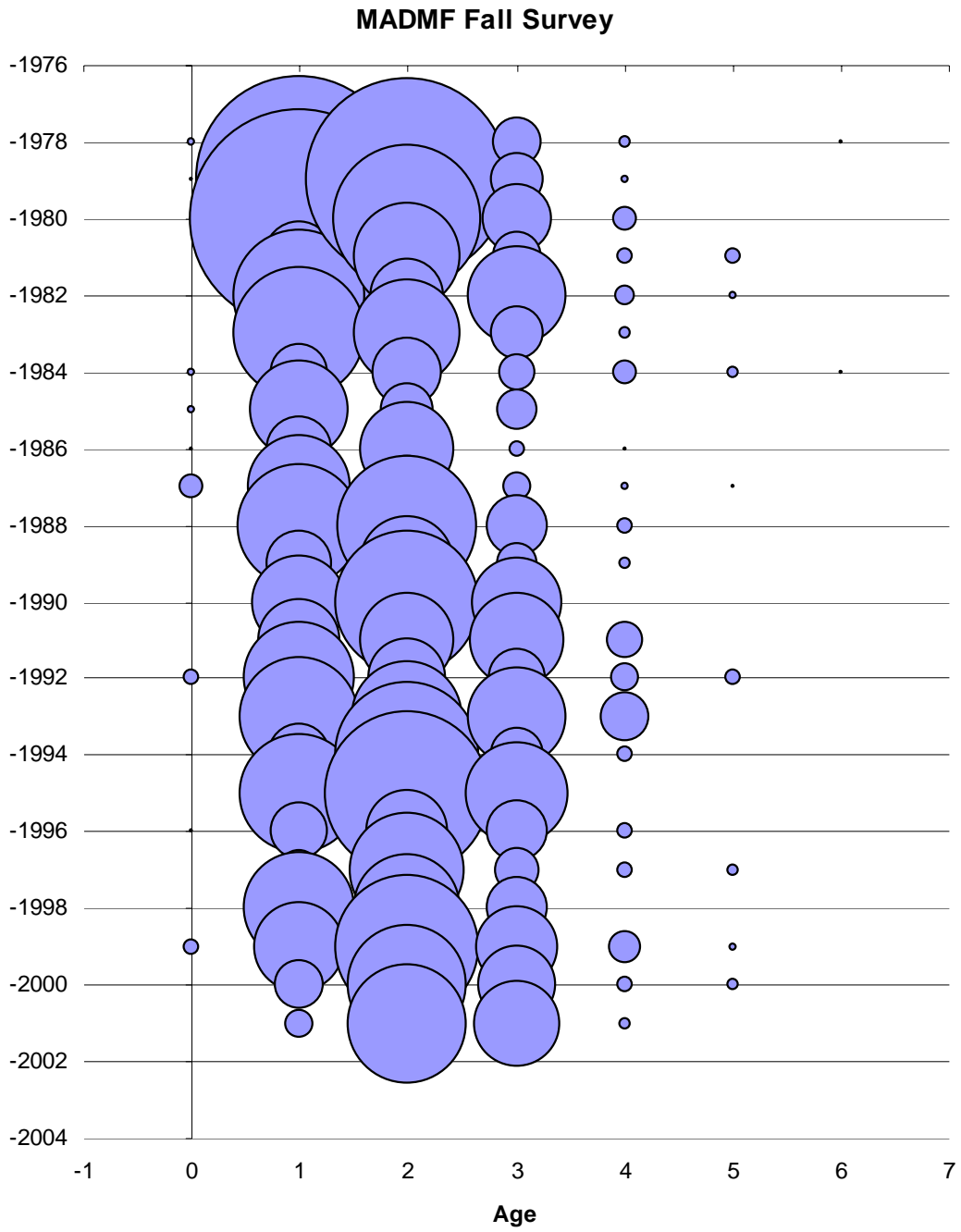


Figure A2.9c.

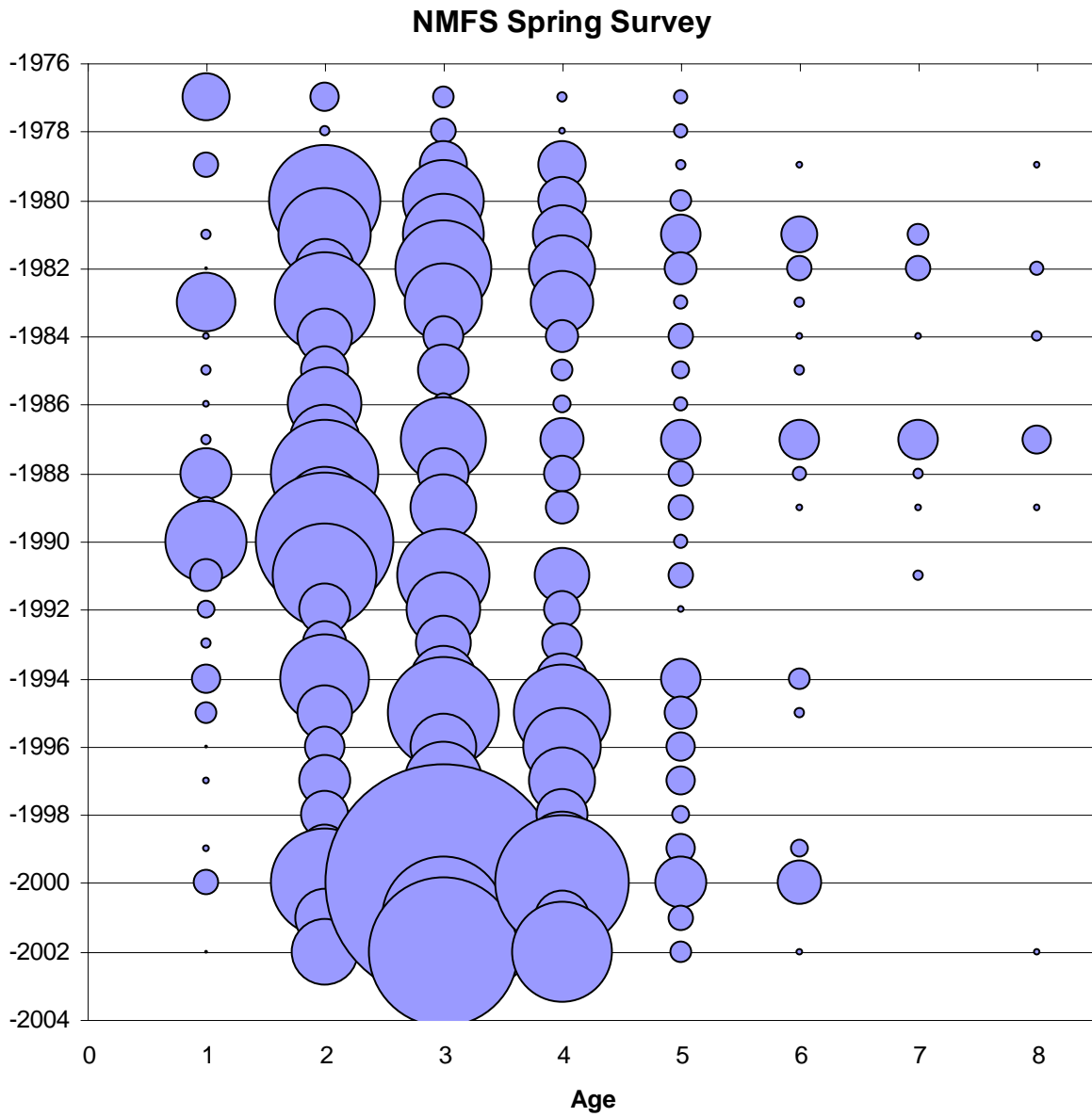


Figure A2.9d.

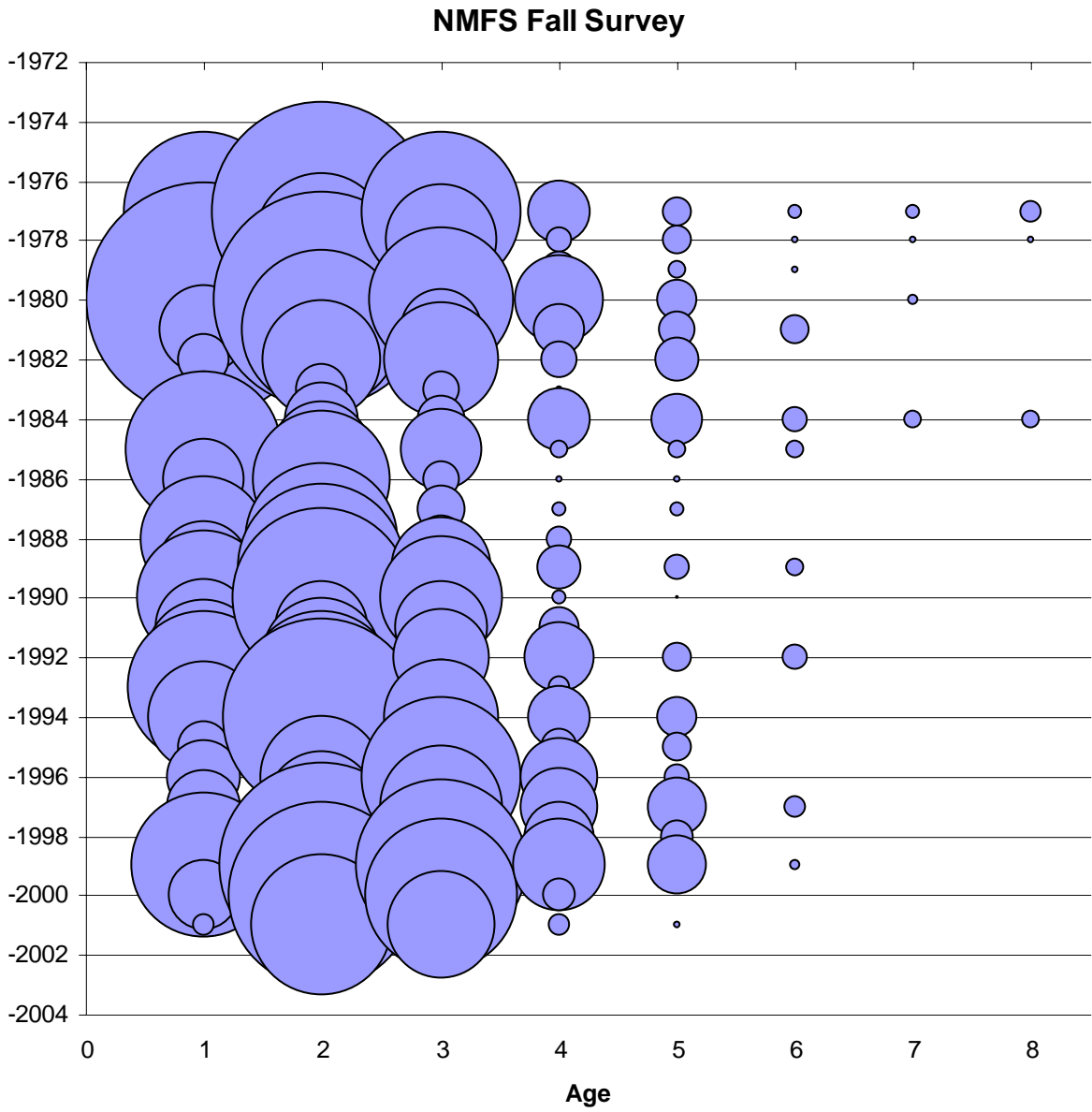


Figure A2.10. Normalized indices of abundance of Cape Cod – Gulf of Maine yellowtail flounder.

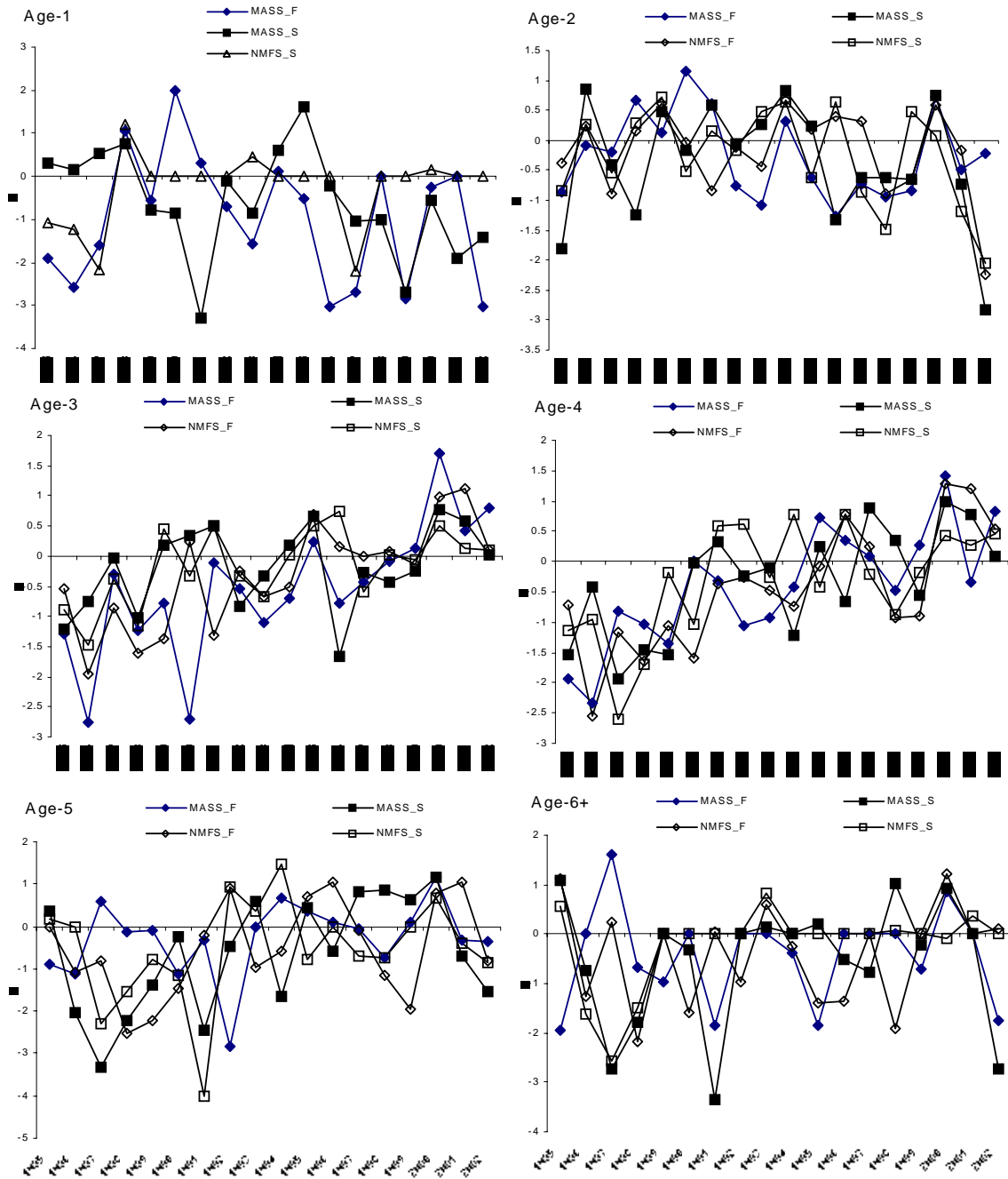


Figure A2.11. Residuals of the Cape Cod – Gulf of Maine yellowtail flounder ADAPT calibration.

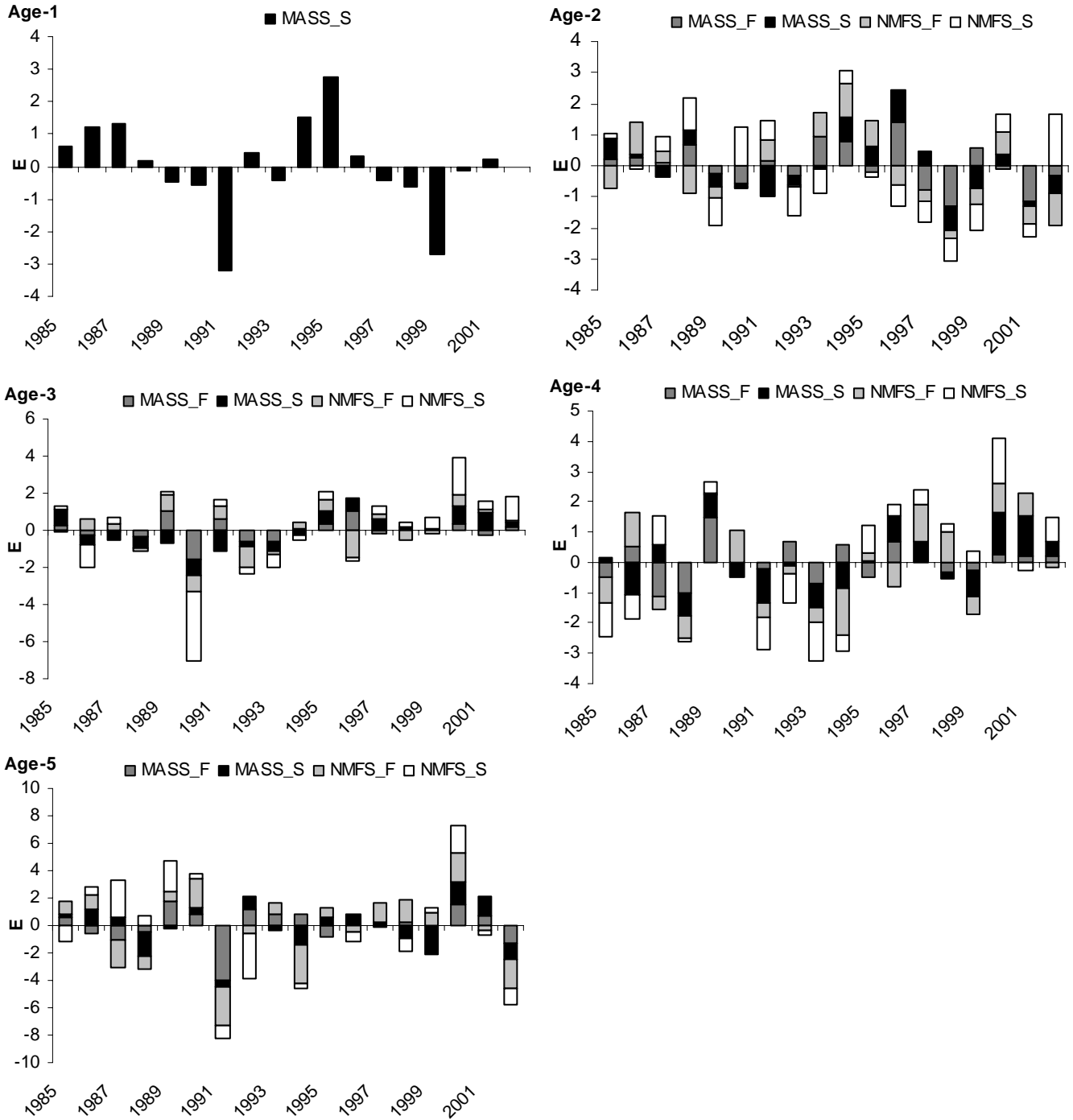




Figure A2.12. Results of the Cape Cod – Gulf of Maine VPA.

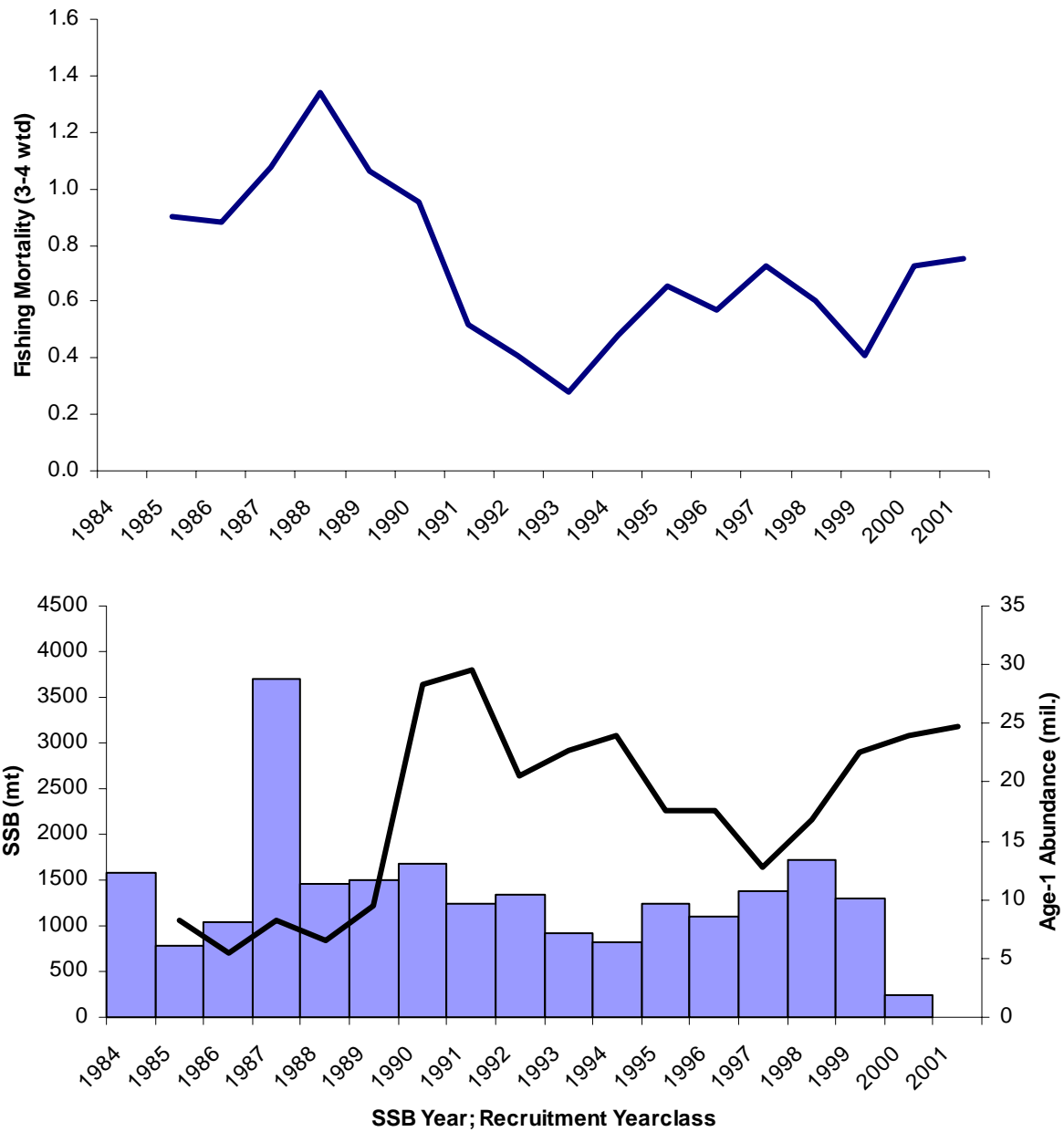


Figure A2.12b. Stock and recruitment of Cape Cod – Gulf of Maine yellowtail flounder (extreme points labeled by yearclass).

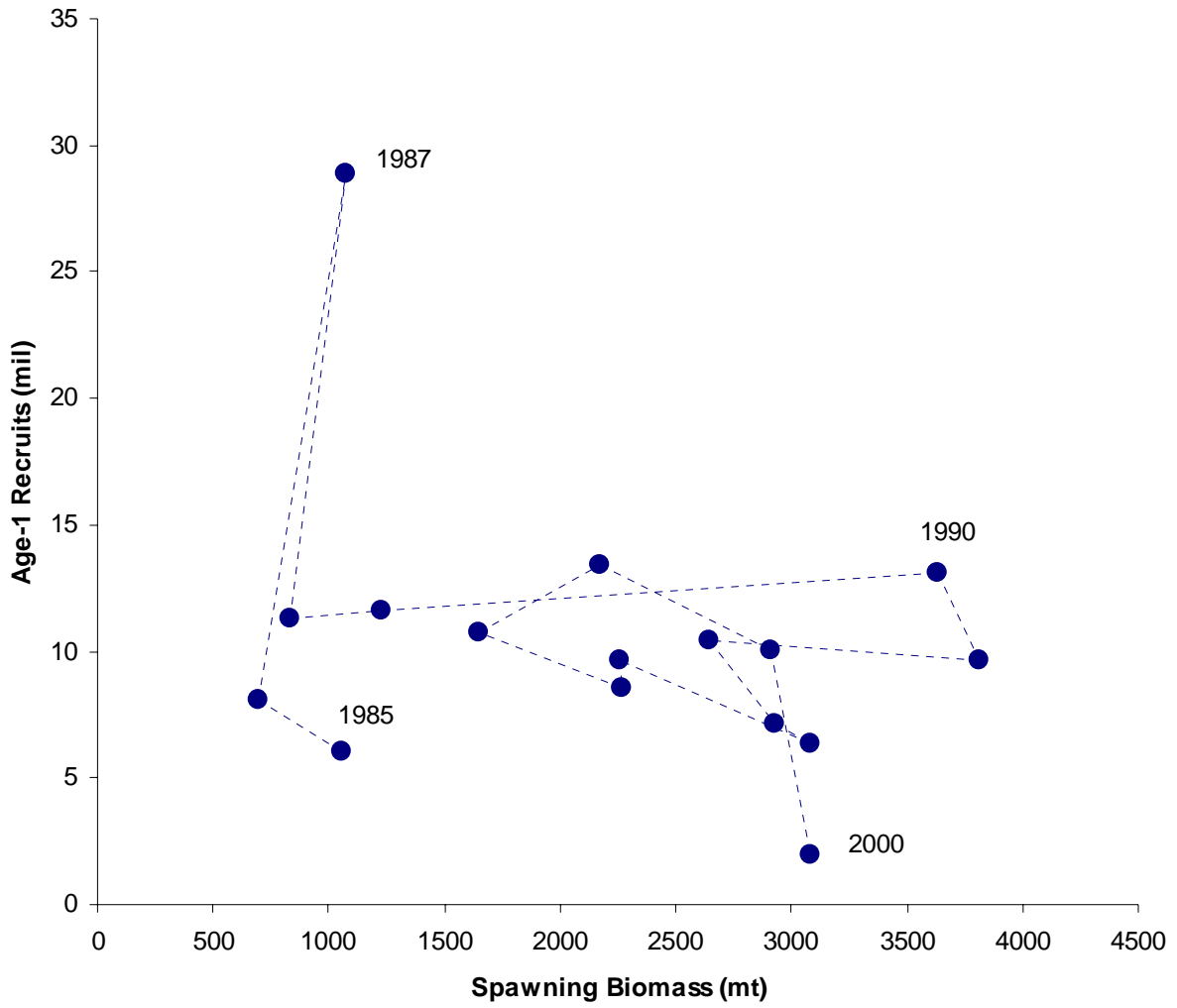


Figure A2.12c. Abundance at age of Cape Cod – Gulf of Maine yellowtail flounder.

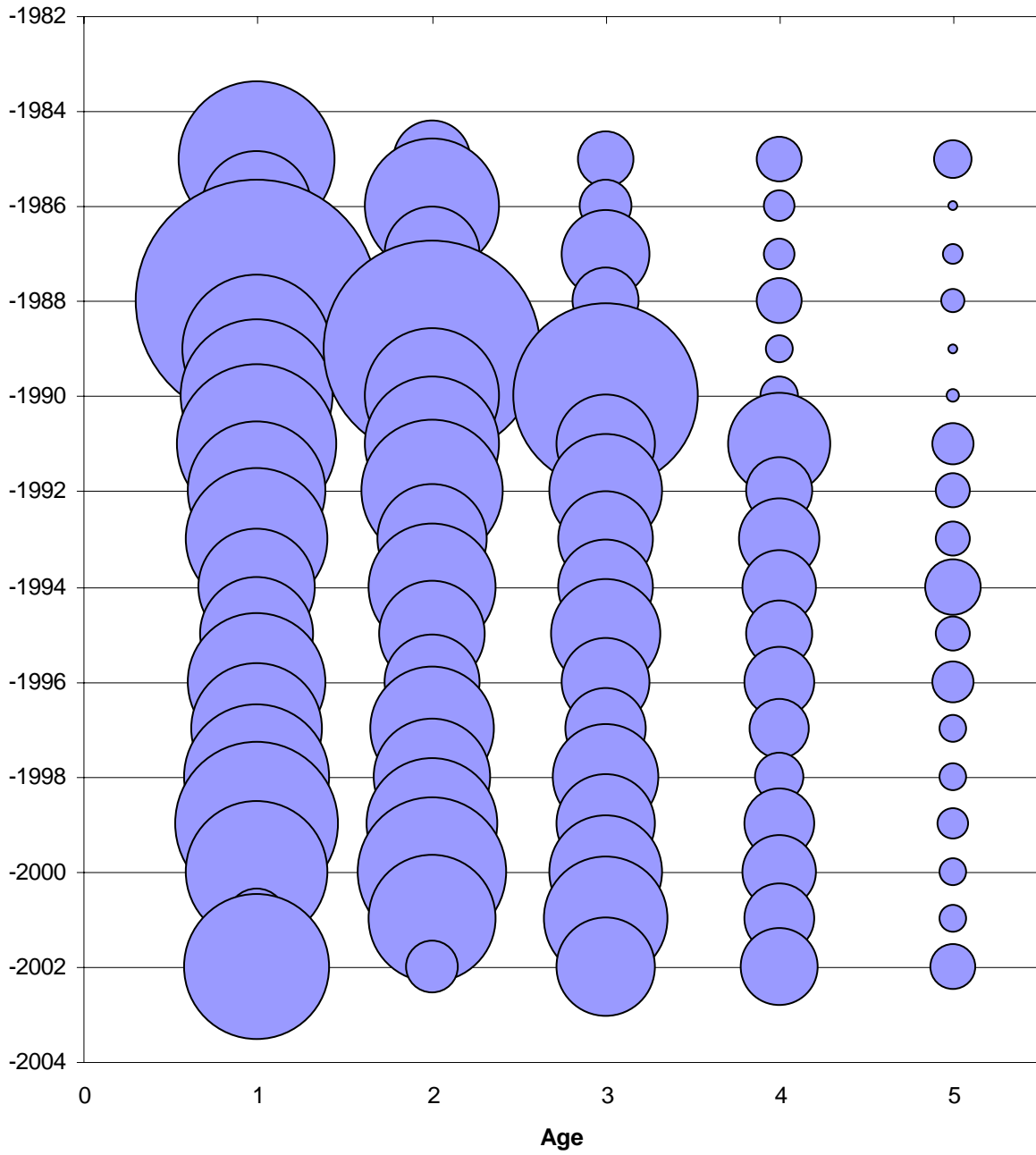


Figure A2.13. Retrospective analysis of the Cape Cod – Gulf of Maine yellowtail flounder VPA.

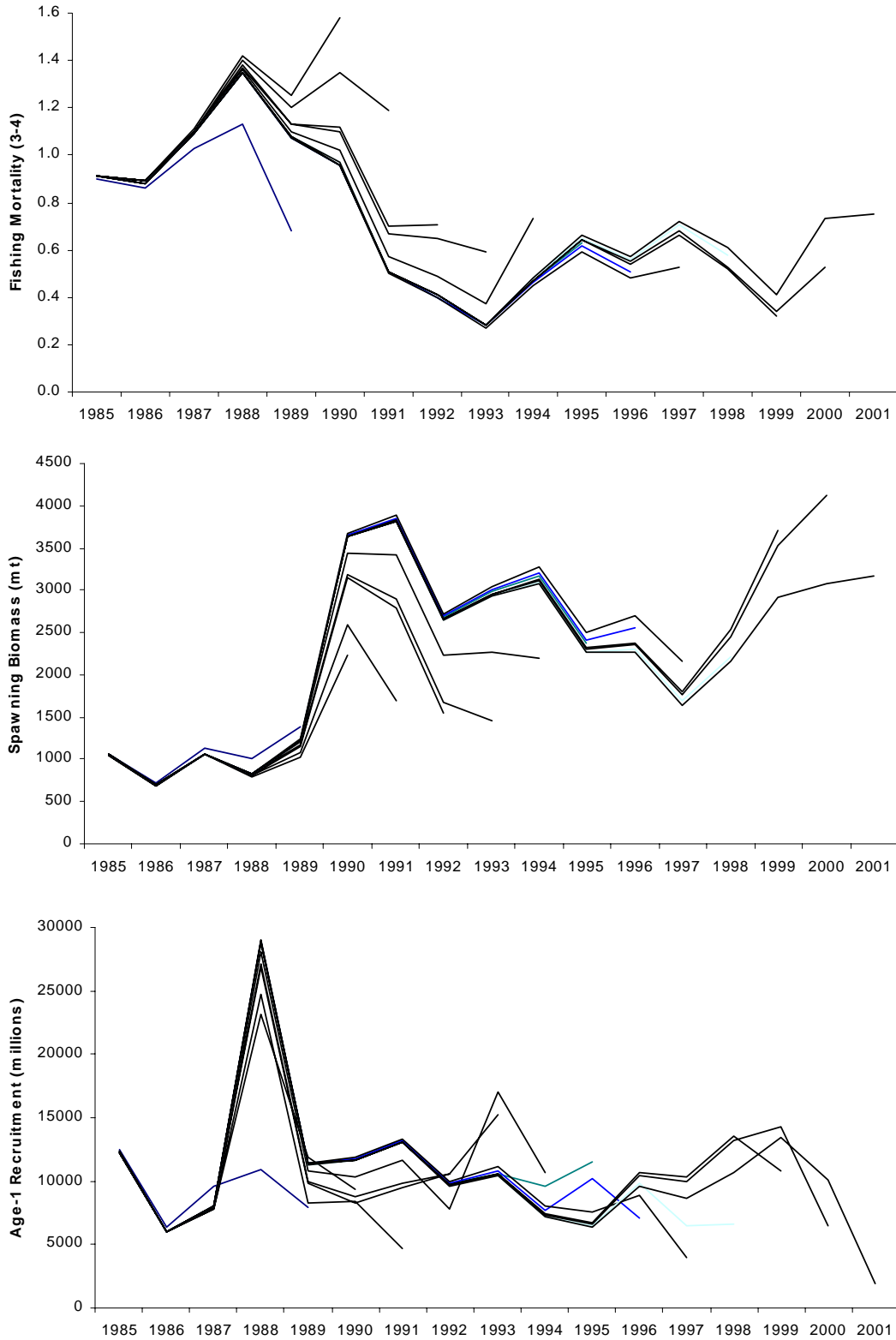


Figure A2.14. Yield and spawning biomass per recruit of Cape Cod – Gulf of Maine yellowtail flounder.

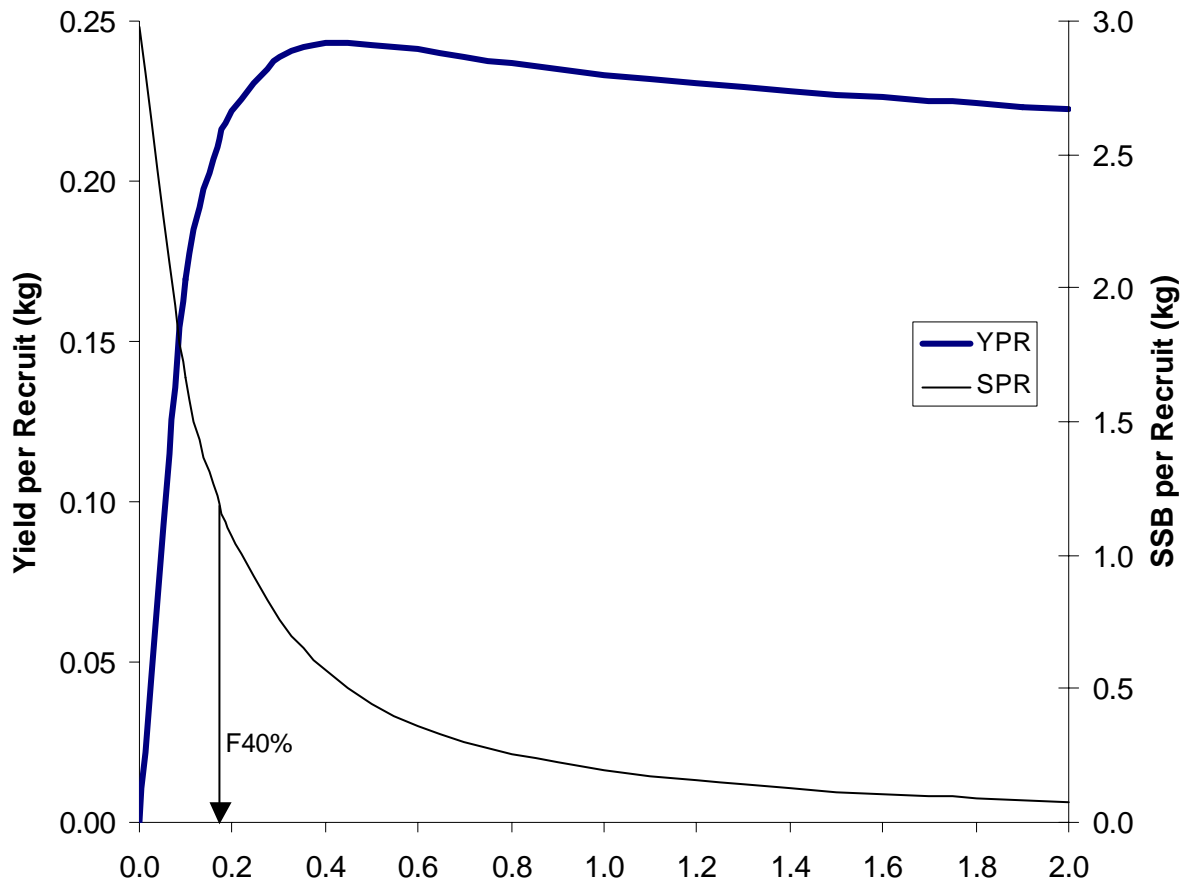


Figure A2.15. Observed and expected age distribution of spawning biomass at  $F_{40\%}$  for Cape Cod-Gulf of Maine yellowtail flounder.

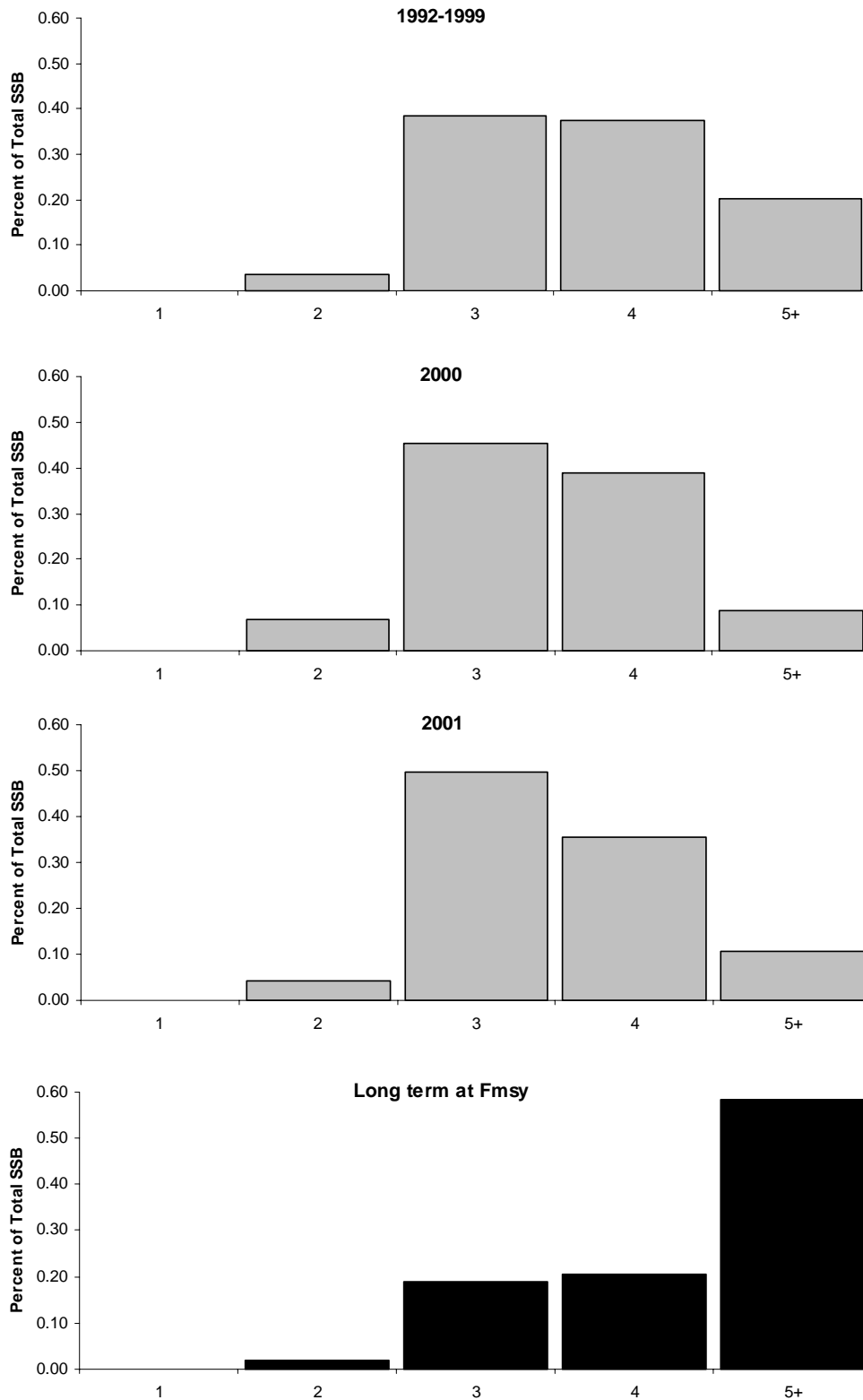


Figure A2.16. Stochastic projection of Cape Cod- Gulf of Maine yellowtail flounder spawning biomass (upper panel) and landings (lower panel) at 2002  $F = 0.64$  and 2003-2009  $F=0.03$ ; dotted lines indicate 90% confidence limits and the horizontal dashed line indicates  $SSB_{MSY}$ ).

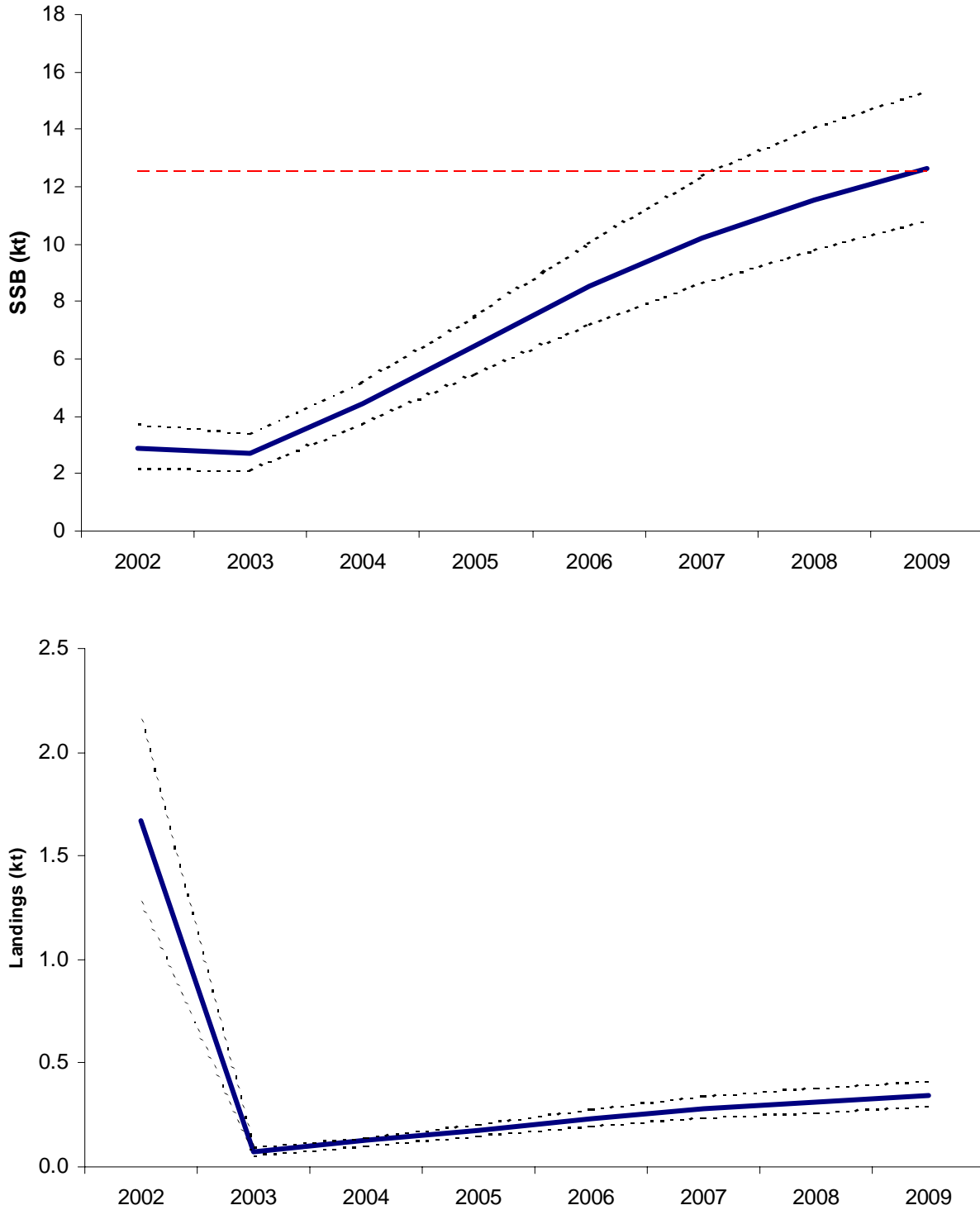


Figure A2.17. Length distribution of Cape Cod – Gulf of Maine yellowtail flounder by decade, from offshore survey strata 25, 27, 39 and 40.

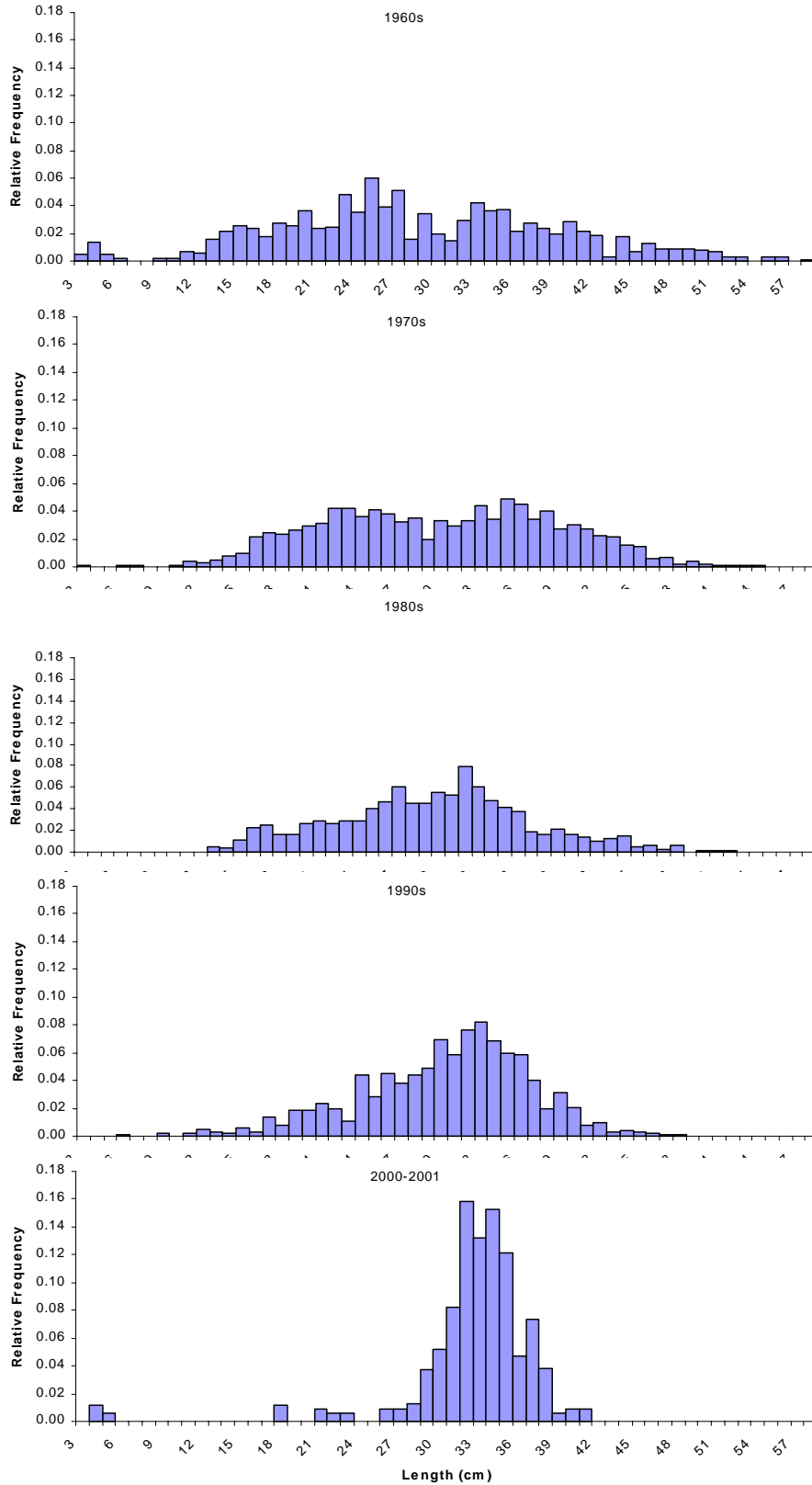




Figure A2.18a. Length distribution of Cape Cod – Gulf of Maine yellowtail flounder by decade, from the Massachusetts spring survey.

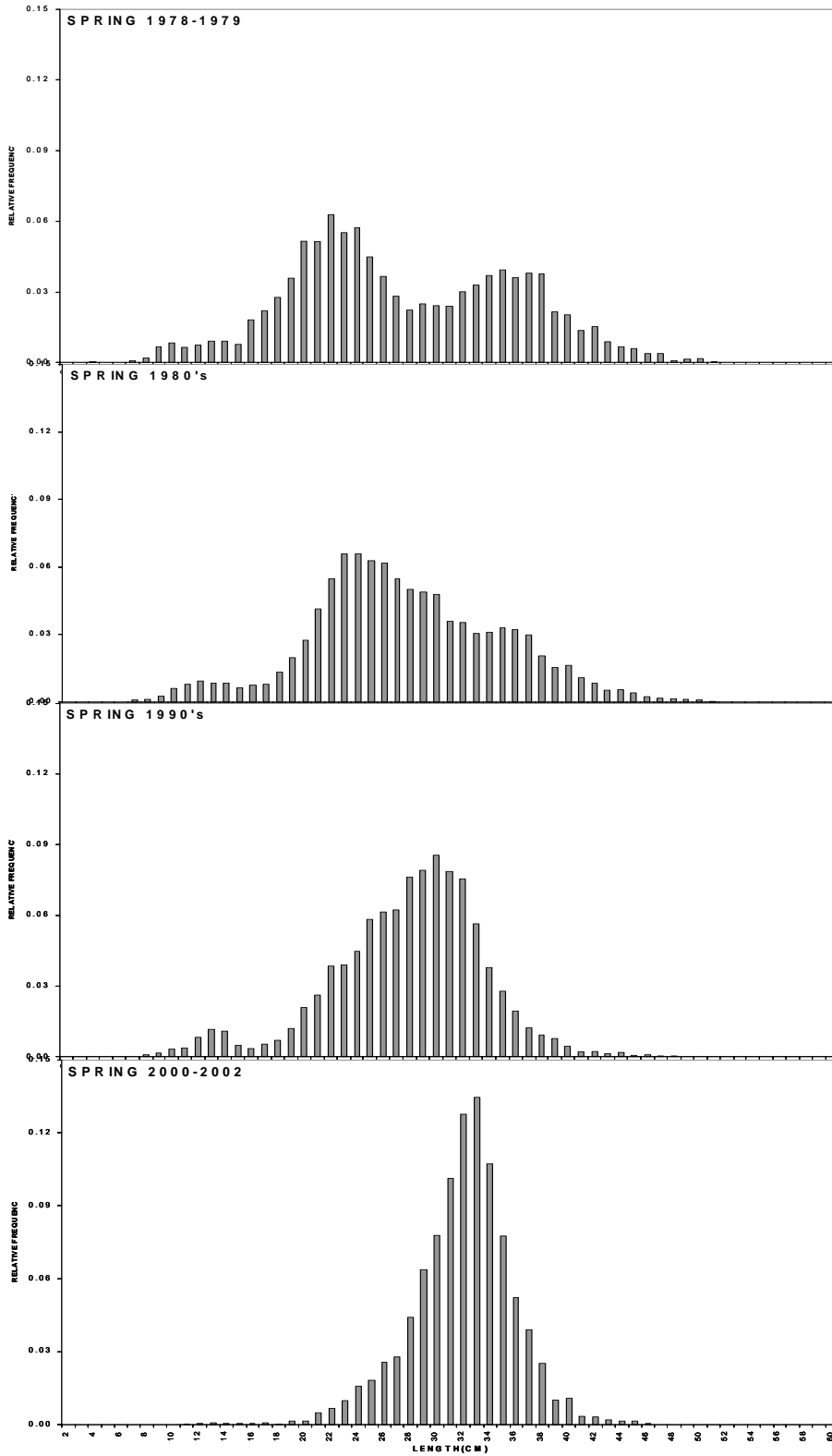


Figure A2.18b. Length distribution of Cape Cod – Gulf of Maine yellowtail flounder by decade, from the Massachusetts fall survey.

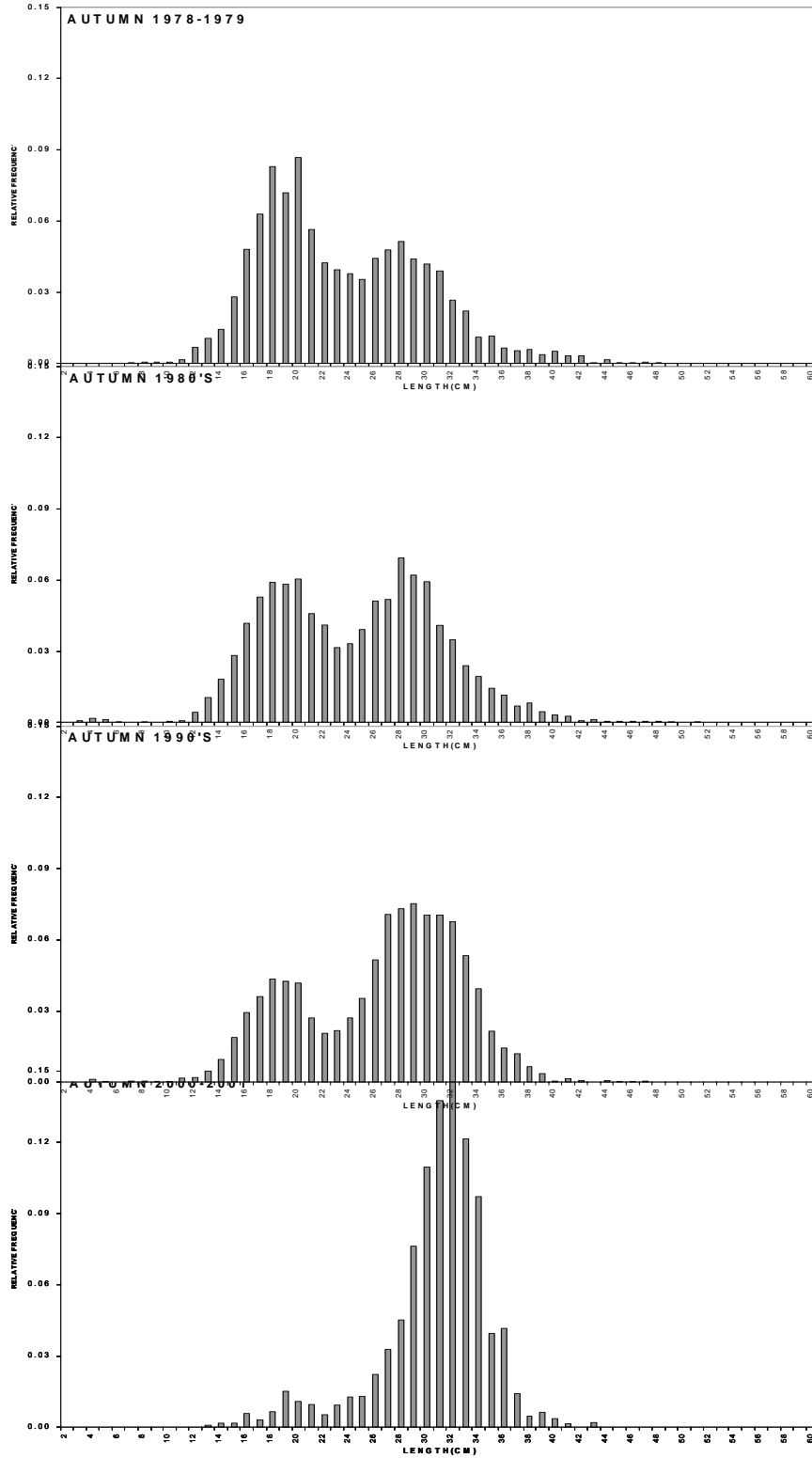


Figure A2.19. Size distribution of yellowtail flounder sampled from the inshore Gulf of Maine (NEFSC summer surveys, 1978-1981).

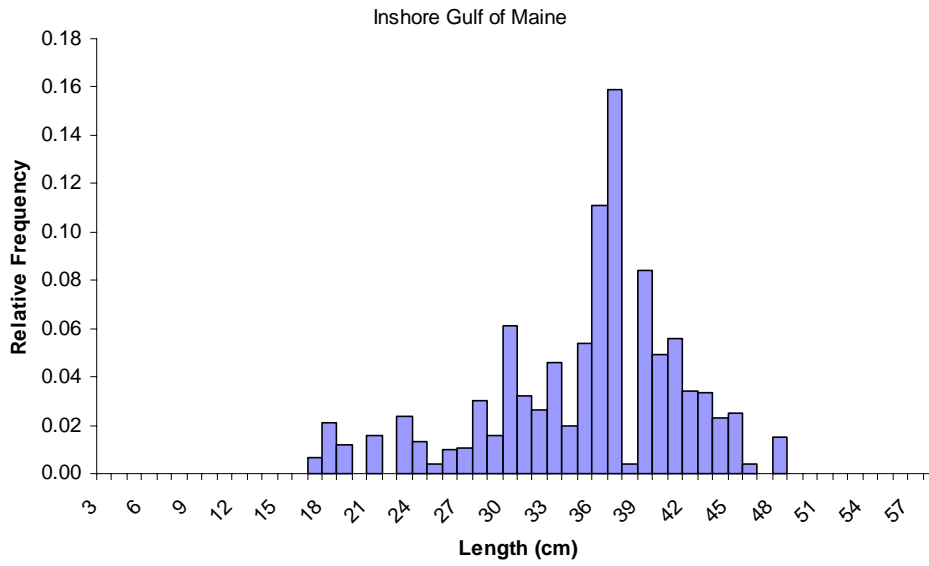


Figure A2.20. Size distribution of yellowtail flounder sampled from the NEFSC survey in the central and eastern Gulf of Maine, by decade.

