White Hake

Model Selection

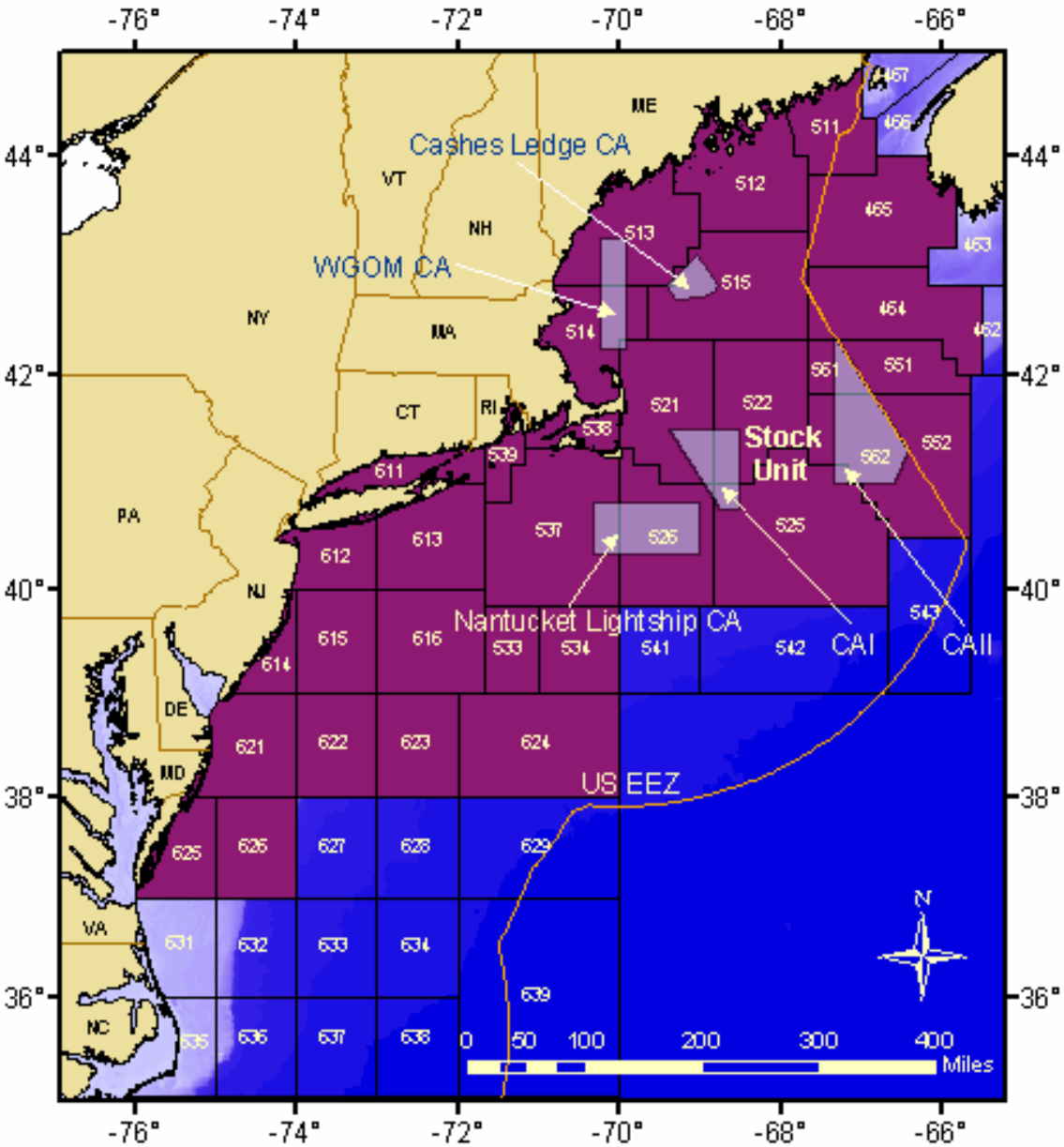
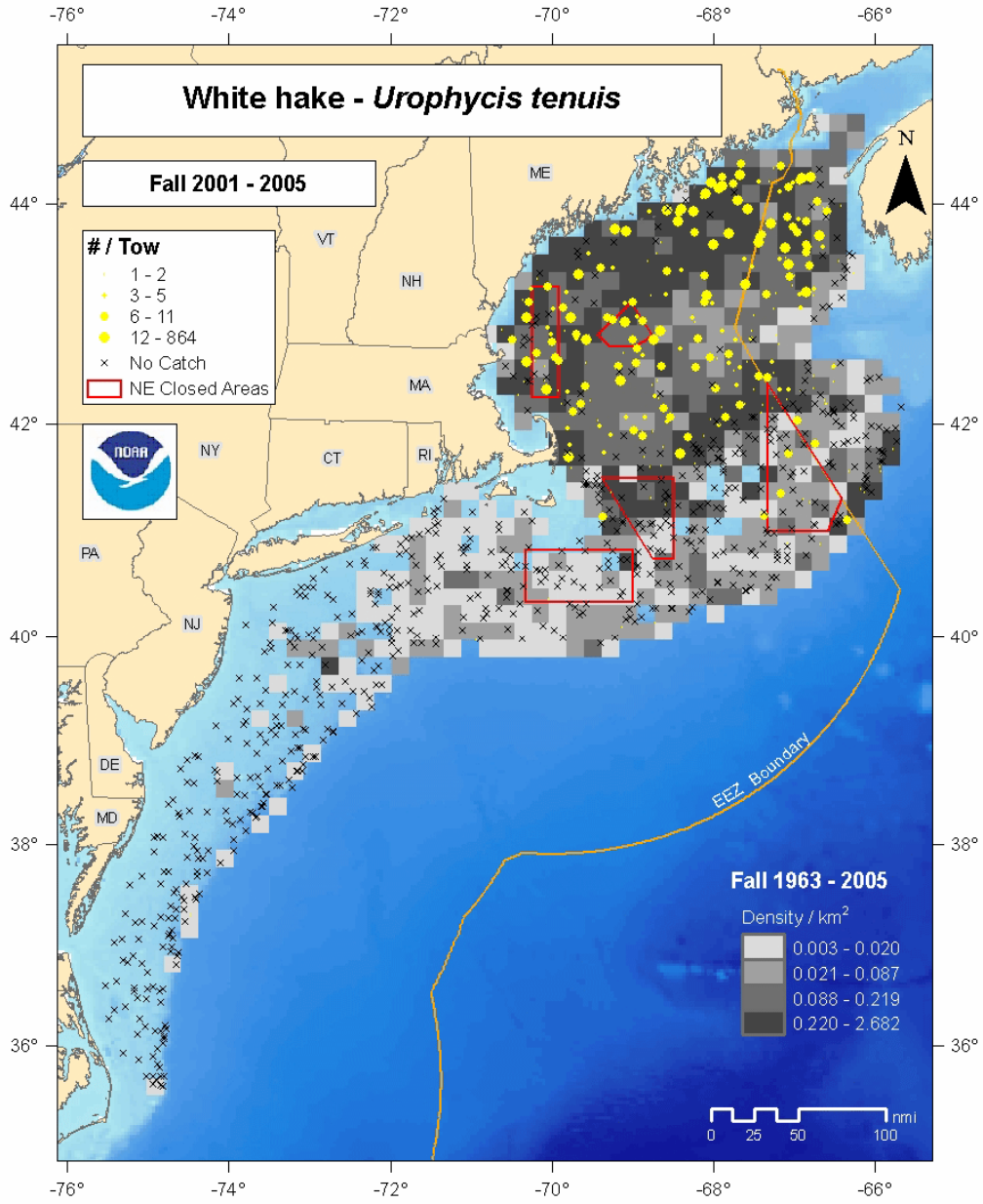


Figure 18.1. Statistical areas used to define the Georges Bank/Gulf of Maine white hake stock.



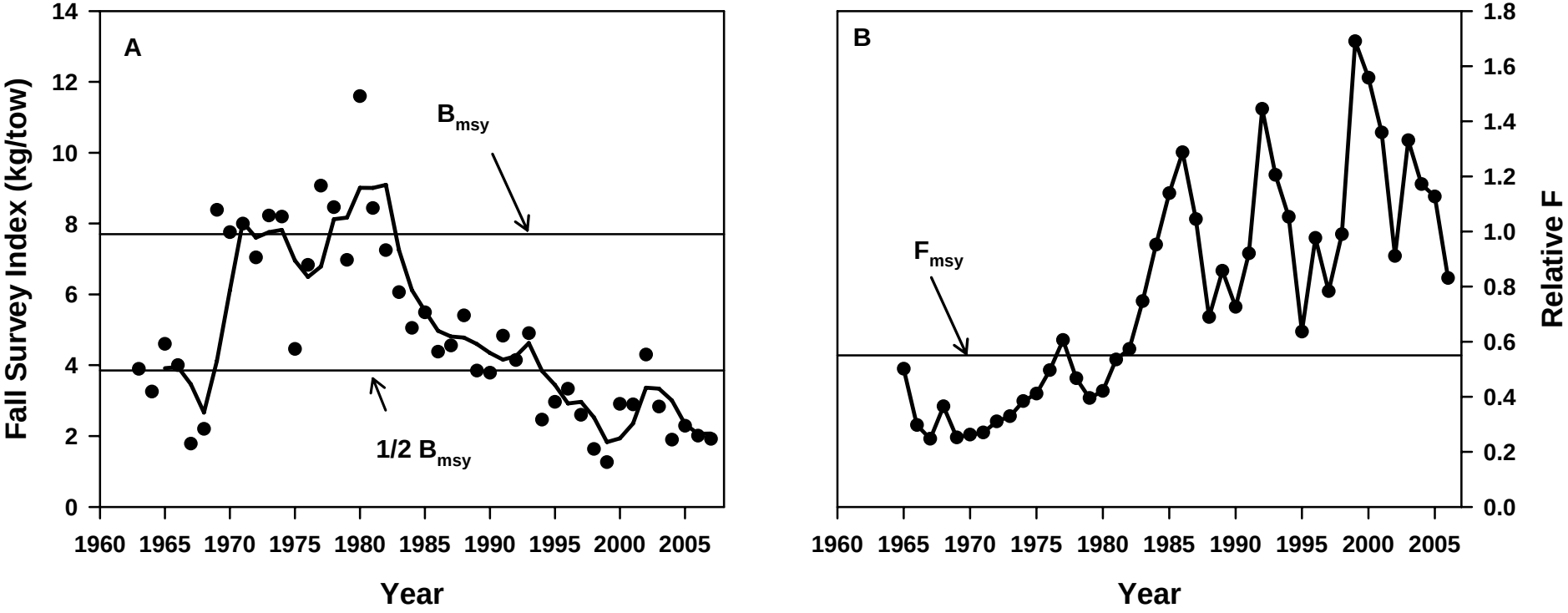
Relative species abundance and distribution from NEFSC bottom trawl survey by time block and relative species density for the full time series.

Previous Assessments

- SAW 19 - 1994 Collie-Sissenwine Model
- SAW 28 - 1998 VPA Assessment
- 1999 Summer Update - Projection
- 2000 Summer Update - Projection
- SAW 33 - 2001 Biomass Dynamics model
- GARM - 2002 AIM
- GARM -2005 AIM

Current Model - AIM

Gulf of Maine-Georges Bank White Hake



Strengths

- Completed
- Simple and Straightforward
- Not confounded by species identification

Weaknesses

- Ignores any useful data on the smaller sizes of the population
- Ignores the size or age-specific data that are available

Suggested Model

- SS2 or SCALE
  - Use all the length composition data
  - SCALE has the advantage of fitting a portion of the length comps while using data on recruitment
  - both currently have fitting problems that need to be resolved
  - SS2 may require too much work

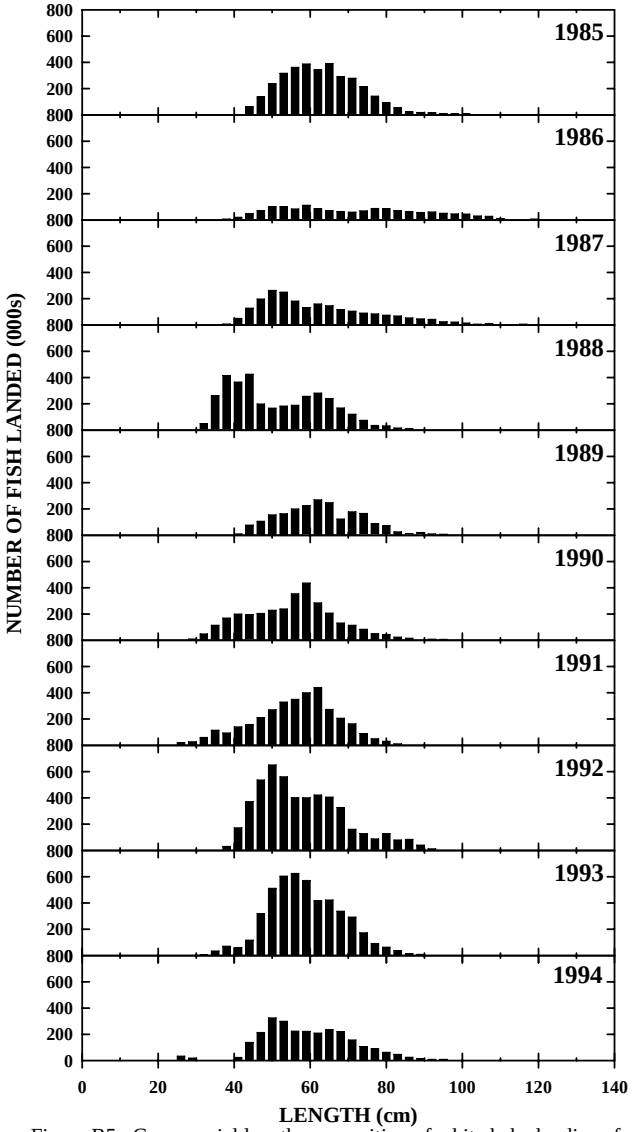


Figure B5. Commercial length composition of white hake landings for all gear types, 1985-1997.

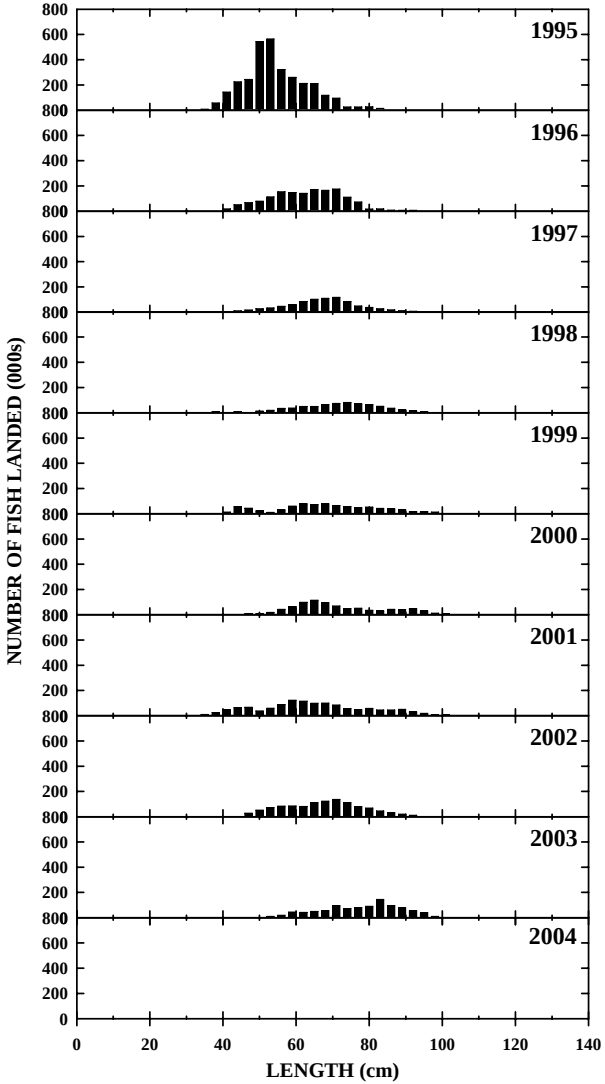


Figure B5. cont.

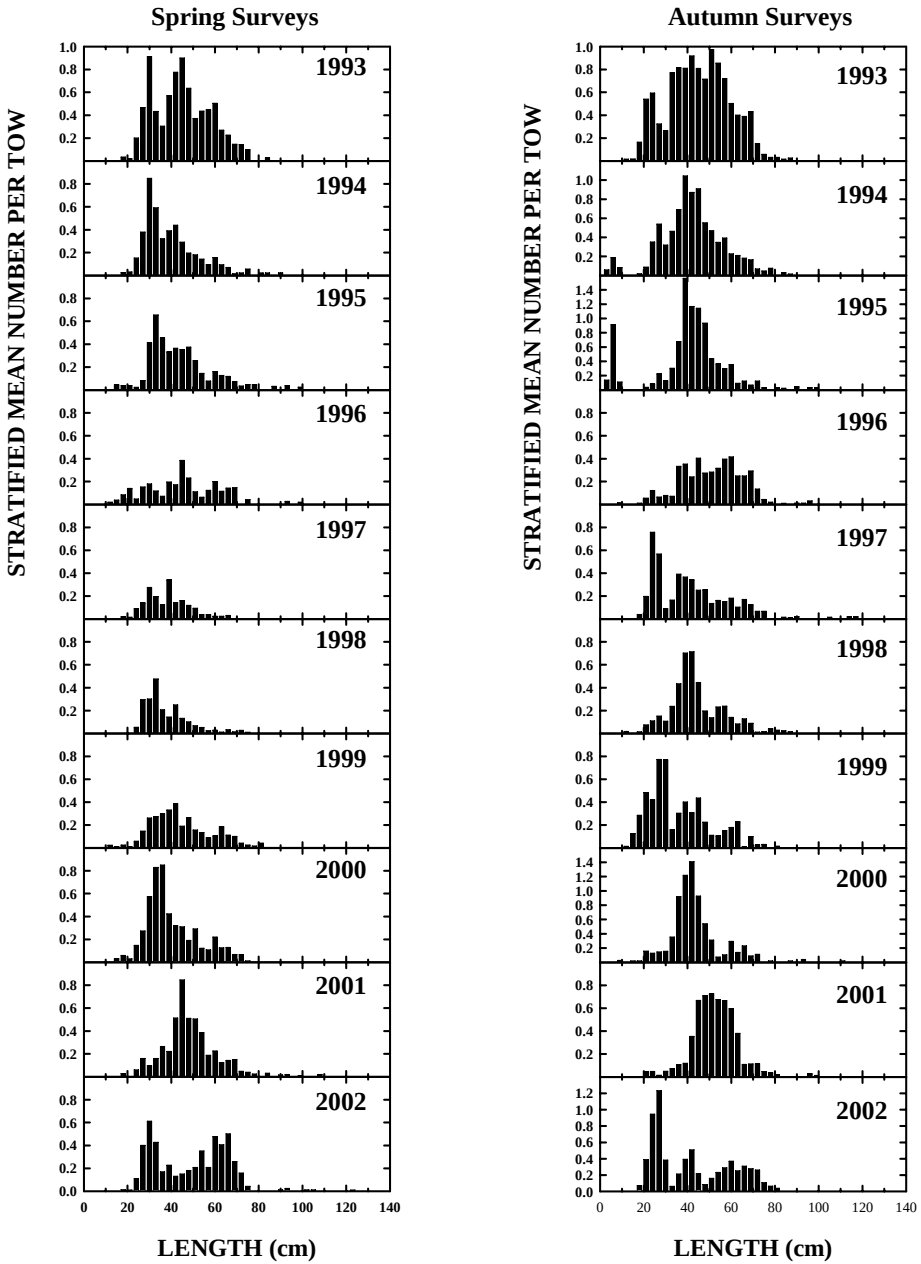


Figure 25. cont.