Figure A2. Monkfish commercial landings (live weight, mt) by management area.

Figure A3. Monkfish commercial landings (live weight, mt) by gear type.
Figure A4. Commercial goosefish length frequency samples taken during 2001
Figure A5. Commercial goosefish length frequency samples taken during 2002

2002

NORTH

Tail Only
mean = 62.6

SOUTH

Tail Large
mean = 62.8

Tail Large
mean = 64.3

Tail Small
mean = 49.2

Tail Small
mean = 56.0

Unclassified
Round
mean = 73.3

Head On
Gutted
mean = 70.7

Head On
Gutted
mean = 68.4
Figure A6. Commercial goosefish length frequency samples taken during 2003
Figure A7. Size composition of kept and discarded goosefish estimated from sea sampling observations, northern region.
Figure A8. Size composition of kept and discarded goosefish estimated from sea sampling observations, southern region.
Figure A9. Discard ratios by major gear type and half year for goosefish, northern region.
Figure A10. Discard ratios by major gear type and half year for goosefish, southern region.
Figure A11. Estimated total catch (landings + discards) by management area.
Figure A12. Biomass indices and smoothed indices from the NEFSC autumn bottom trawl survey for the northern management region from 1963-2003. The 95% confidence limits are shown by the dashed line.
Figure A13. Abundance indices and smoothed indices from the NEFSC autumn bottom trawl survey for the northern management region from 1963-2003. The 95% confidence limits are shown by the dashed line.
Figure A14. Abundance indices (number per tow) for monkfish at lengths corresponding to ages 1 and 2.
Figure A15. Biomass indices and smoothed indices from the NEFSC spring bottom trawl survey for the northern management region from 1968-2004. The 95% confidence limits are shown by the dashed line.
Figure A16. Abundance indices and smoothed indices from the NEFSC spring bottom trawl survey for the northern management region from 1968-2004. The 95% confidence limits are shown by the dashed line.
Figure A17. Goosefish length composition from the NEFSC spring and autumn bottom trawl surveys in the northern management region, 1963-2004.
Figure A17. continued.
Figure A17, continued.
Figure A17, continued.
NOTE: Y-AXIS SCALE CHANGES ON THIS PAGE

Figure A17, continued.
Figure A18. Minimum, mean, and, maximum lengths for the northern management region from (A) NEFSC autumn surveys and (B) NEFSC spring surveys.
Figure A20. Comparison of seasonal mean lengths at age in the northern and southern management regions, NEFSC fall, spring, and winter surveys.
Figure A21. Biomass indices and smoothed indices from the NEFSC autumn bottom trawl survey for the southern management region from 1963-2003. The 95% confidence limits are shown by the dashed line.
Figure A22. Abundance indices and smoothed indices from the NEFSC autumn bottom trawl survey for the southern management region from 1963-2003. The 95% confidence limits are shown by the dashed line.
Figure A23. Biomass indices and smoothed indices from the NEFSC spring bottom trawl survey for the southern management region from 1968-2004. The 95% confidence limits are shown by the dashed line.
Figure A24. Abundance indices and smoothed indices from the NEFSC spring bottom trawl survey for the southern management region from 1968-2004. The 95% confidence limits are shown by the dashed line.
Figure A25. Biomass indices from the NEFSC winter flatfish survey for the southern management region from 1992-2004. The 95% confidence limits are shown by the dashed line.

Figure A26. Abundance indices from the NEFSC winter flatfish survey for the southern management region from 1992-2004. The 95% confidence limits are shown by the dashed line.
Figure A27. Mean length at age for goosefish in NEFSC winter surveys, southern management region.
Figure A28. Abundance indices and smoothed indices from the NEFSC scallop dredge survey for the southern management region from 1984-2003. The 95% confidence limits are shown by the dashed line.
Figure A29. Goosefish length composition from the NEFSC spring bottom trawl (March-April), winter flatfish (February), summer scallop (July-August), and autumn (September-October) bottom trawl surveys in the southern management region, 1963-2004.
Figure A29, continued.
Figure A29, continued.
Figure A29, continued.
Figure A30. Minimum, mean, and, maximum lengths for the southern management region from the NEFSC autumn surveys.

Figure A31. Minimum, mean, and, maximum lengths for the southern management region from the NEFSC spring surveys.
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Figure A39. Mean length at age in samples from 2004 cooperative survey. LCI = lower 95% confidence interval, UCI = upper 95% confidence interval.
Figure A39. Mean length at age in samples from 2004 cooperative survey. LCI = lower 95% confidence interval, UCI = upper 95% confidence interval.
Figure A40. Monkfish mean weight at age from samples taken during 2004 cooperative monkfish survey.
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Figure A46. Indices of egg production by goosefish based on composite length frequency distributions from survey indices (number per tow at length), proportion mature at length, and fecundity at length. Year represents the terminal year of a 5-year pooled length frequency sample. Proportion < L99 is the fraction of egg production from goosefish smaller than the size at 99% maturity.
Figure A47. Indices of egg production by goosefish based on composite length frequency distributions from survey indices (number per tow at length), proportion mature at length, and fecundity at length. Year represents the terminal year of a 5-year pooled length frequency sample. Proportion < L99 is the fraction of egg production from goosefish smaller than the size at 99% maturity.
Figure A43. Estimated mortality rates from NEFSC survey abundance at age data using cohort-based catch curves for the northern region.
Figure A49. Estimated mortality rates from NEFSC survey abundance at age data using cohort-based catch curves for the southern region.
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Figure A53. Estimated mortality rates from NEFSC survey abundance at age data using cohort-based catch curves for the southern region, spring.
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Figure A57. Probability that 2003 3-year running average biomass index is above the biomass threshold (indexed at 1.0), southern region.