

SEDAR 5
Atlantic and Gulf of Mexico King Mackerel

Data Workshop
December 1 – 5 2003
SEFSC, Miami FL

Terms of Reference.

1. Evaluate stock structure, develop a unit stock definition, and estimate the rate of Atlantic-Gulf stock mixing over time and area.
2. Evaluate the quality and reliability of life-history information (Age, growth, natural mortality, reproductive characteristics); develop models to describe growth, maturation, and fecundity by age, sex, or length as appropriate.
3. Evaluate the quality and reliability of fishery-independent measures of abundance; develop indices by appropriate strata (e.g., age, size, and fishery) for use in assessment modeling.
4. Evaluate the quality and reliability of fishery-dependent measures of abundance; develop indices for use in assessment modeling.
5. Evaluate the quality and reliability of commercial and recreational fishery-dependent data for determining harvest and discard by species; develop estimates of total annual catch including both landings and discard removals by species
6. Evaluate the quality and reliability of data available for characterizing the size and age distribution of the catch (landings and discard); characterize commercial, recreational, and headboat landings and discard by size and age.
7. Evaluate the quality and reliability of available data for estimating the impacts of management actions.
8. Recommend assessment methods and models that are appropriate given the quality and scope of the data sets reviewed and management requirements.
9. Provide recommendations for future research (research, sampling, monitoring, and assessment).
10. Prepare complete documentation of workshop actions and decisions, and generate introductory, descriptive, and research needs sections (1-4, 9) of the stock assessment report.

SEDAR5: King Mackerel Review Workshop
April 5-8, 2004
Miami, FL

TERMS OF REFERENCE

1. Evaluate the adequacy and appropriateness of all data used in the assessment. State whether or not the data are scientifically sound and the best available.
2. Evaluate the adequacy, appropriateness, and application of the methods used to estimate population parameters such as abundance, biomass, and exploitation. State whether or not the methods are scientifically sound and the best available, and recommend appropriate values of population parameters.
3. Evaluate the adequacy, appropriateness, and application of the methods used to estimate population benchmarks (MSY, Fmsy, Bmsy, MSST, MFMT, etc.). State whether or not the methods are scientifically sound and the best available, and recommend appropriate values for benchmark criteria.
4. Evaluate the adequacy, appropriateness, and application of the methods used to project future population status and, if appropriate, evaluate stock rebuilding. State whether or not the methods are scientifically sound and the best available, and recommend probable values of future population condition and status.
5. Provide a recommended range and best point estimate of the mixing rate of Atlantic and Gulf Migratory Groups in the mixing zone.
6. Develop recommendations for improving data collection and assessment and future research (both field and assessment).
7. Prepare a Consensus Summary addressing the Terms of Reference and documenting the Panel's discussion of the assessment.
8. Prepare an Advisory Report summarizing stock status, future condition, and management benchmarks.
9. Submit final Consensus Summary and Advisory Report documents within 3 weeks of the conclusion of the Review Workshop.