

MRFSS/MRIP Calibration Workshop



Session 2 Recap

Raleigh, NC
27-29 March 2012

Terms of Reference

- Propose a methodology for calibrating MRFSS data to MRIP data, based on the years in which paired estimates are available (currently expected to be 2004-2011), and demonstrate how it would work in hind-casting catch and effort for select data sets (pre-2004).

Wednesday Session

How Changes to Catch and Effort Times Series Affect Stock Assessments (Rick Methot)

Impacts of Re-estimates on NEFSC Stock Assessments

Impacts of Re-Estimates on SEFSC Stock Assessments

Proposed Methodology for Hind-casting Prior to 2004 (John Foster, Jay Breidt, and Jean Opsomer)

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Take Home Messages Session 2

- There is a need to calibrate/re-estimate
- Officially re-estimated data represents the best available data and should be used to the extent available in stock assessments.
- Updated and benchmark assessments should increase CVs for hind-casted recreational catch estimates, based on 2004-2011 relationships.
- Prior to 2004, hind-casts should use a ratio estimator, either constant throughout hind-casted time series or trended, based on ancillary information.

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Take Home Messages Session 2

- This approach would not preclude more extensive species-specific approaches, but would be a default "acceptable" approach if other procedures are not available.
- Until there is a new (updated or benchmark) assessment, the new MRIP numbers would be adjusted to be in the same scale as those used for calculating the current recreational ACL.

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Take Home Messages Session 2

- For data poor stocks, would use same method used to develop ACLs but with new MRIP numbers and adjusted non-re-estimated MRFSS data.
- Caution would be urged regarding applying ratios on a scale smaller than the spatial scale of the stock. Uncertainty in the estimates will increase in direct relation to the diminution of scale.
- Integration of new numbers should not require a full benchmark. An update will do.

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Terms of Reference

3. Recommend a plan for implementing the calibration methodology into updated and benchmark stock assessments.

Thursday Morning Session

Proposed Processes and Constraints to Incorporating MRIP-based Estimates into Stock Assessments (John Carmichael, Jim Weinberg, and Jessica Coakley)

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