

Tab B, No. 8(a)

Gulf State Survey Calibration Workshop Summary

Gulf of Mexico Fishery Management Council Meeting
August 25th, 2020

Richard Cody Ph.D.
Chief – Fisheries Statistics Division
Office of Science and Technology
NOAA Fisheries
Richard.cody@noaa.gov



NOAA
FISHERIES

Background and Context

Red Snapper Workshops I-III (sponsored by GSMFC/NOAA)

- November 2013-December 2014
 - Focus on coordination among partners
 - Integration of specialized surveys into MRIP
 - Need to meet management and stock assessment needs
- Consultant Report from first workshop presented:
 - Options for survey development
 - Integrated improvements to general survey
 - Stand alone specialized “targeted” surveys



NOAA
FISHERIES

Background and Context (cont.)

Red Snapper Workshop IV (2018) (Sponsored by GSMFC/NOAA)

- Survey designs were either certified (LA, MS, AL) or close to completing certification (FL)
- Focus was on options for calibration and producing an integrated Gulfwide catch estimate
 - Calibration would focus on conversion between current FES-based survey and state survey estimates
 - Modeling as well as simple ratio based approaches were considered
 - Modeling would take time to investigate (and may not be needed)
 - Simple Ratio based approaches could be developed more quickly
 - Already in use in certain applications
 - As more data become available, opportunity to improve and investigate modeling



NOAA
FISHERIES

Gulf Survey Calibrations

- Transition plan required for NOAA MRIP certification:
 - <https://www.fisheries.noaa.gov/webdam/download/96469514>
- Transition plan may require development of calibrations to account for survey differences in comparisons of survey estimates:
 - <https://www.fisheries.noaa.gov/webdam/download/64689267>
- Necessary when multiple surveys are in use, to facilitate a common standard for:
 - Evaluation of annual catch trends
 - ACL Monitoring



NOAA
FISHERIES

Specialized/General Survey Calibrations

- Calibrations are necessary to express MRIP (CHTS) based ACLs in alternative survey units for monitoring purposes
- Calibrations facilitate conversion of catch estimates in both directions to support management
- Focus of the workshop was on the presentation of simple ratio based calibrations to allow conversion between MRIP survey and state survey estimates



NOAA
FISHERIES

Workshop agenda

Session 1

- State presentation of calibration methods
 - AL, FL, LA, MS
 - Introduction of new meta-analytical approach by MS

Session 2

- SERO Adjustments
 - Three year vs Five year averaging
- Transition Team Sub Group (State and regional partners from MRIP Transition Team)
 - Roles for SG in Implementation of Surveys
 - Calibrations
 - Data Management and Access
 - Understanding survey related drivers for differences in estimates
 - Other research related Qs



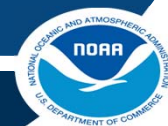
NOAA
FISHERIES

Overview of Consultant Recommendations

- Consultants deliberated in private during and after the workshop
- Also had reviewed basic methods/approaches presented prior to workshop

Recommendations

- No major concerns with methods presented by AL, FL and LA
- Could not recommend the MS meta-analytical method but thought it might be appropriate for other uses
- Change to the way FL estimates variance for ratio
- Recommended consistency as much as possible among approaches
- MRIP to compile methods into a single report (it could reference presented materials and survey documentation)



NOAA
FISHERIES

Transition Team - Gulf of Mexico Sub-Group

Include all regional partners and NOAA Offices

Goals

- Bring transparency to the transition process
- Determine calibration needs
 - Coordination to minimize potential disruptions
- Data Management and Availability
- More effective communication (FINs, Council, States, NOAA)
- Communicate changes to survey implementation
- Evaluation of drivers for differences in estimates
- Other research Questions



NOAA
FISHERIES

Questions



NOAA
FISHERIES