

Status of Gulf States' Survey Calibration update

Tab B, No. 4(c)

Gulf of Mexico Fishery Management Council Meeting
Biloxi, October 2022



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Council Motion (June 2022):

“to have the [Scientific and Statistical Committee] review state private recreational red snapper calibration ratios using more recent state survey data and provide a recommendation to the Council on change(s) to ratios, if necessary, prior to the January 2023 Council meeting.”

- Updating calibrations developed in 2021 discussed at August 2022 meeting between NOAA and State Directors



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- SERO worked with S&T to develop two sets of calibrated estimates:
 - All years: 2015-2021
 - 2018-2021
- Coastal Household Telephone Survey (CHTS) ended in 2017 - CHTS estimates for 2018 to present represent modeled estimates based on the CHTS-FES Calibration model
 - Variation of the process using 2018-2021 data would be to use modeled CHTS for all states
- Calibrations are based on annual estimates (inclusive of all waves)
- Minimal contribution to estimation from 2018-2019 data used for the imputation process for 2020 estimates
- Independent consultants recommended consistency in methods used as practicable at 2020 workshop



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- Approaches used to develop calibrations for the proposed rule varied by State, data availability and survey implementation status
- Two basic approaches were used to account for differences in how catch advice was derived and the methods used to monitor:
 - Ratio of state survey landings to MRIP Coastal Household Telephone Survey (CHTS) landings
 - Ratio of MRIP Fishing Effort Survey (FES) landings to CHTS landings divided by the ratio of MRIP FES landings to state survey landings.
- Two more years of data have become available since the initial development of calibrations and proposed rule (2020, 2021)

- NOAA Fisheries (SERO, SEFSC and OST) will work with State partners on information needs related to calibration over the next few weeks while states develop updated calibrated estimates
- States are expected to produce a report detailing methods if calibrated estimates differ from those used to develop calibrations provided by SERO
- States are requested to provide updated estimates and a report by November 30 to the SSC for review and discussion at the Jan 10-12, 2023 SSC Meeting
- The SSC will provide their recommendations to the Council at the January 30 - February 2, 2023 Meeting



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