

# Status of Gulf States' Survey Calibration update

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 estimates:
  - All years: 2015-2021 for FES and CHTS in numbers of fish and pounds
- 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
- Estimates provided are annual (inclusive of all waves)
  - States would need to justify selection of waves if not all waves are used to calibrate
- 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
  - Years used varied from 2015-2017 to 2018-2019
- Two basic approaches were used to account for differences in how catch advice was aligned with 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)



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- 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 for the proposed rule
- States are requested to provide updated estimates and a report by November 30 to myself (Richard Cody) or Ryan Rindone for the SSC for review and discuss 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

