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Tab F, No. 4(b)

SEFHIER

Better Data, Better Management

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SEFHIER Data Analysis Caveats

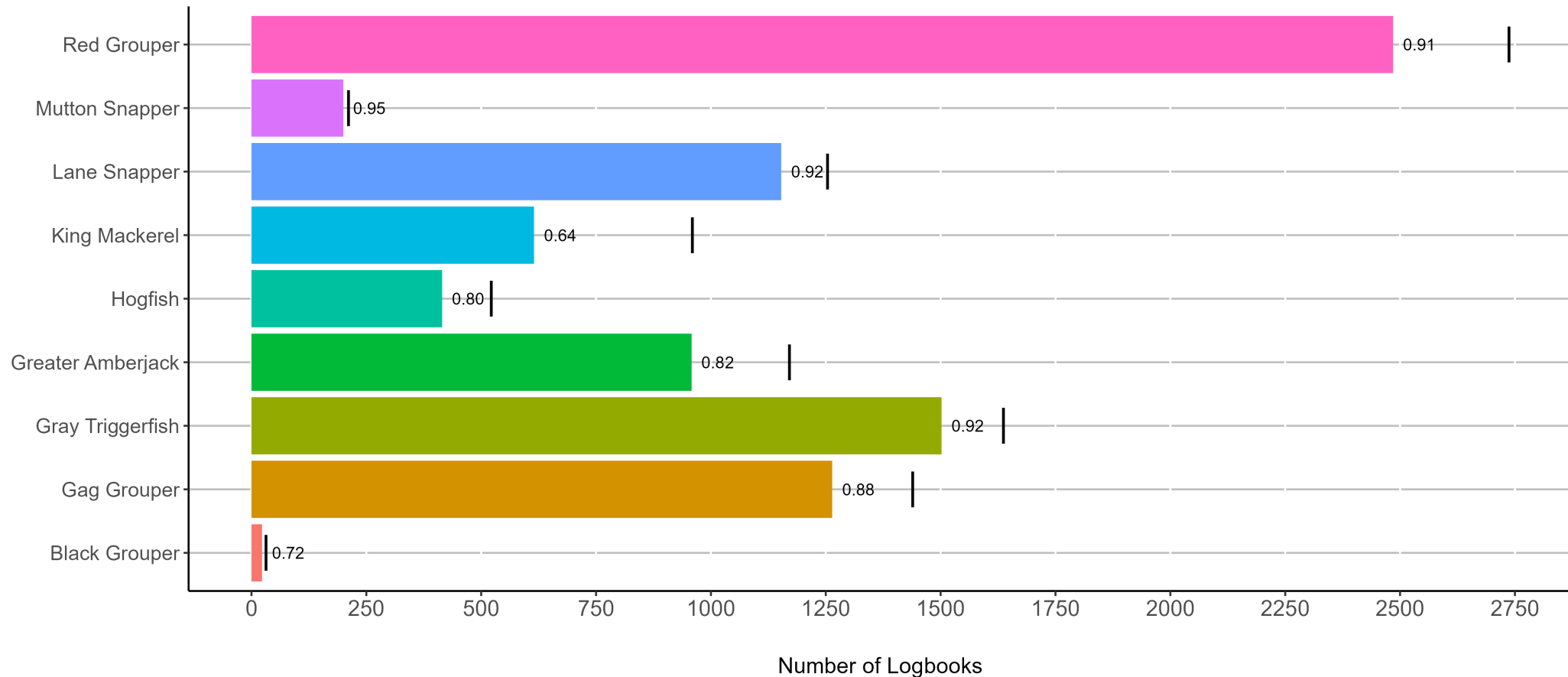
- ❖ Analyses are using raw SEFHIER data – no accounting of missed or non-reported trips
- ❖ SEFHIER data has not been calibrated to, or validated against, MRIP
- ❖ SEFHIER data only includes federal data, whereas MRIP includes all for-hire data (including state-only permitted charter trips)
- ❖ The following SEFHIER effort data is provided in units of “vessel-trips”, whereas MRIP effort is given in units of “angler-trips” – therefore these analyses are not directly comparable to MRIP



Of the Trips Targeting a Species, Did They Catch That Species? (an approximation of relative effort; where caught = retained + discarded)

2022: Number of Logbooks Catching a Species, Out of the Total Logbooks Targeting that Species

*(Bar = Number Caught ; Vertical Line = Number Targeted)



(Based on Gulf permitted vessel logbooks, from 2022)

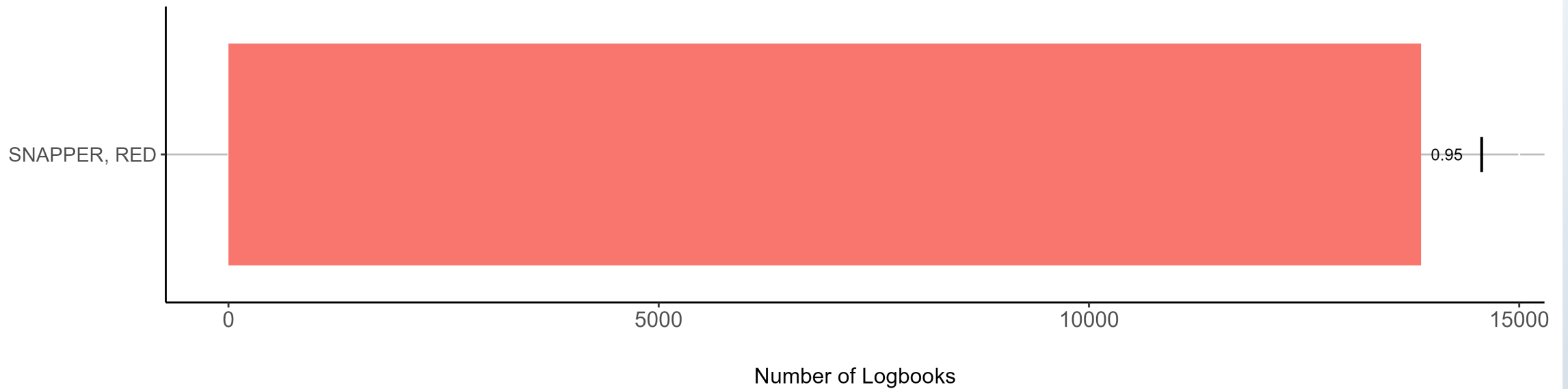


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Of Trips Targeting Red Snapper, Did They Catch Red Snapper? (2022 Logbook Data: Gulf SEFHIER Permitted Vessels)

2022: Number of Logbooks Catching Red Snapper, Out of the Total Logbooks Targeting Red Snapper

*(Bar = Number Caught ; Vertical Line = Number Targeted)



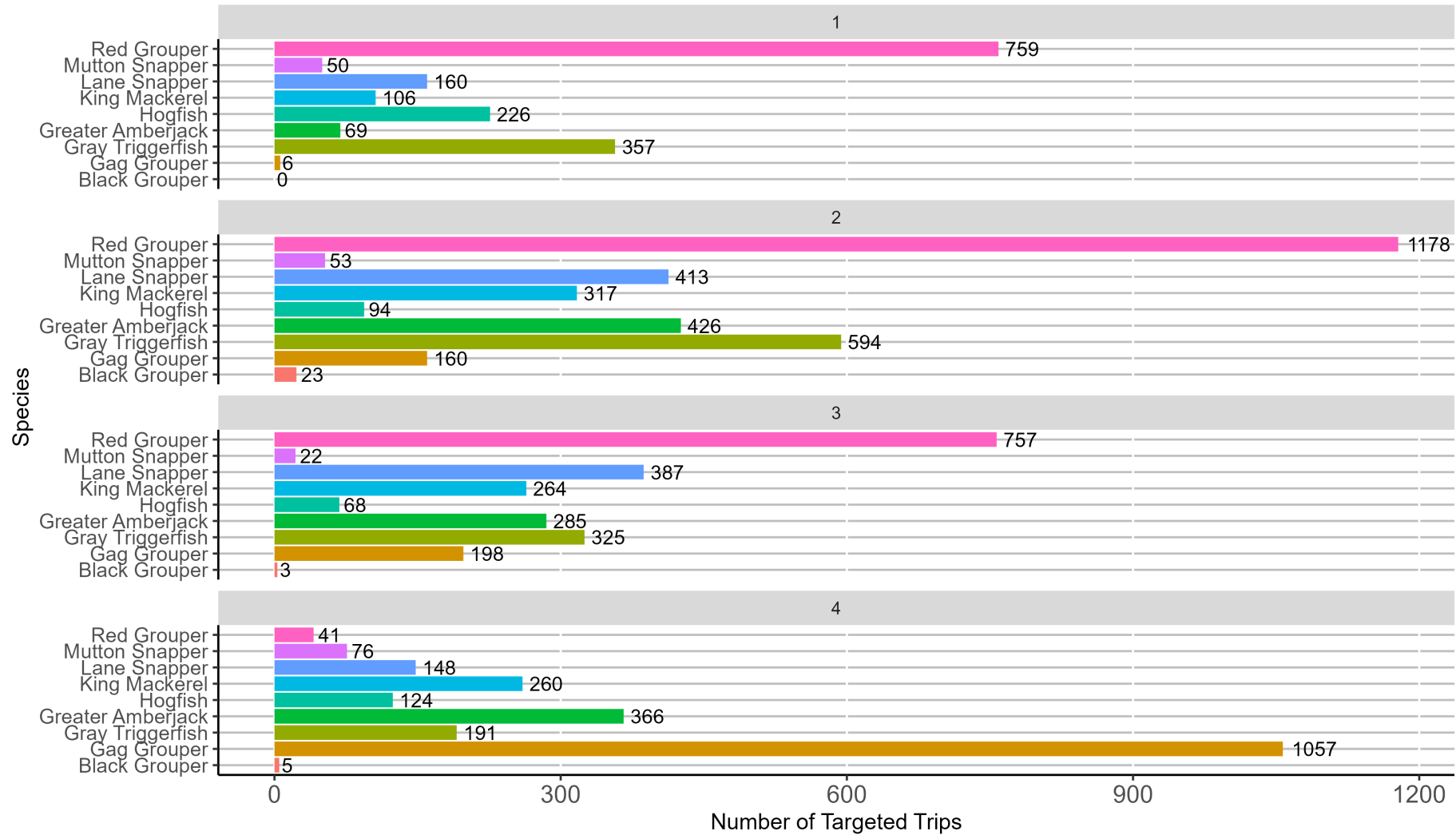
(Based on Gulf permitted vessel logbooks, from 2022)



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Number of Targeted Trips, by Species & Quarter

(2022 Logbook Data: Gulf SEFHIER Permitted Vessels)



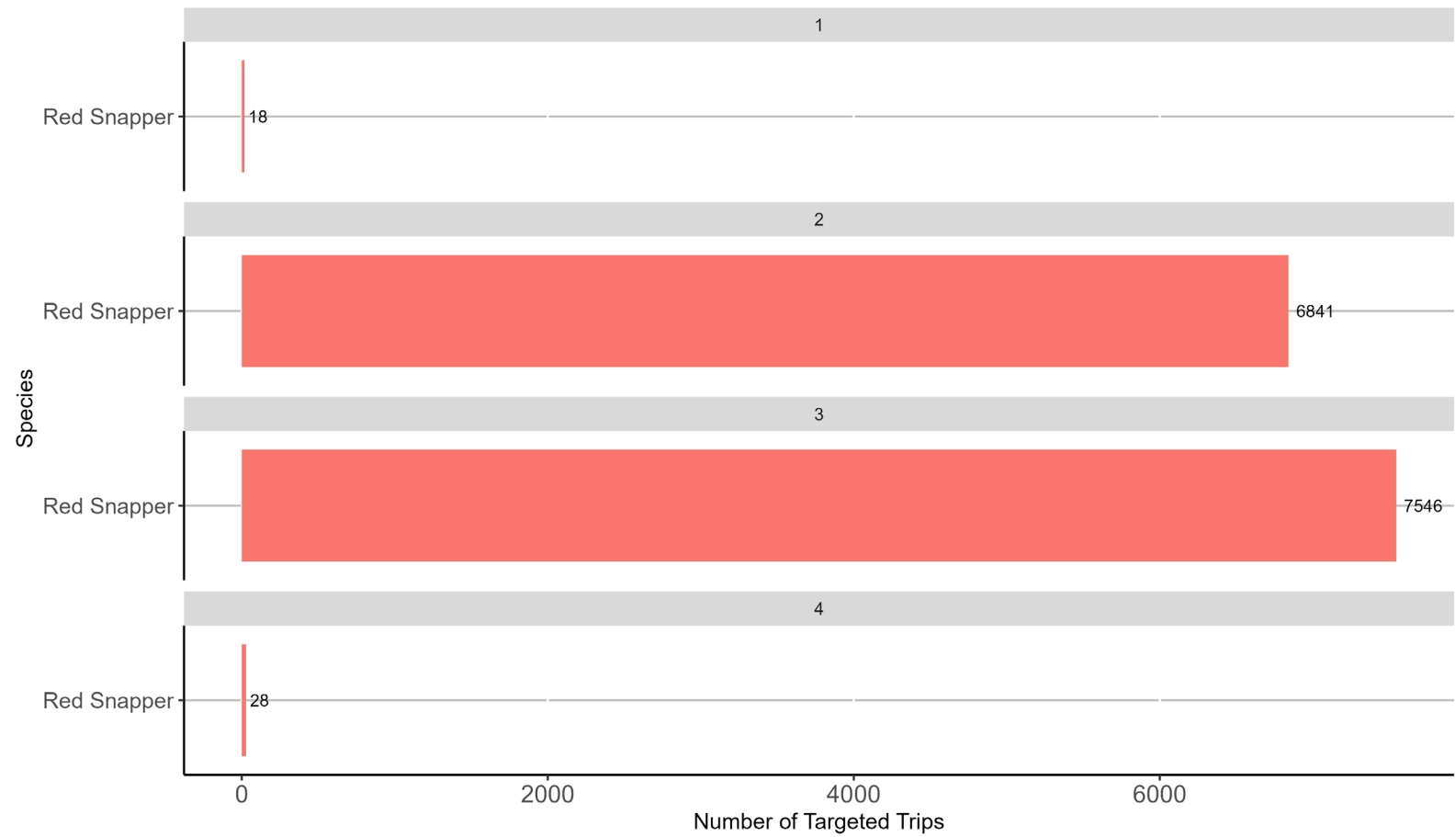
(Based on Gulf permitted vessel logbooks, from 2022)



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Number of Targeted Trips, by Species & Quarter

(2022 Logbook Data: Gulf SEFHIER Permitted Vessels)

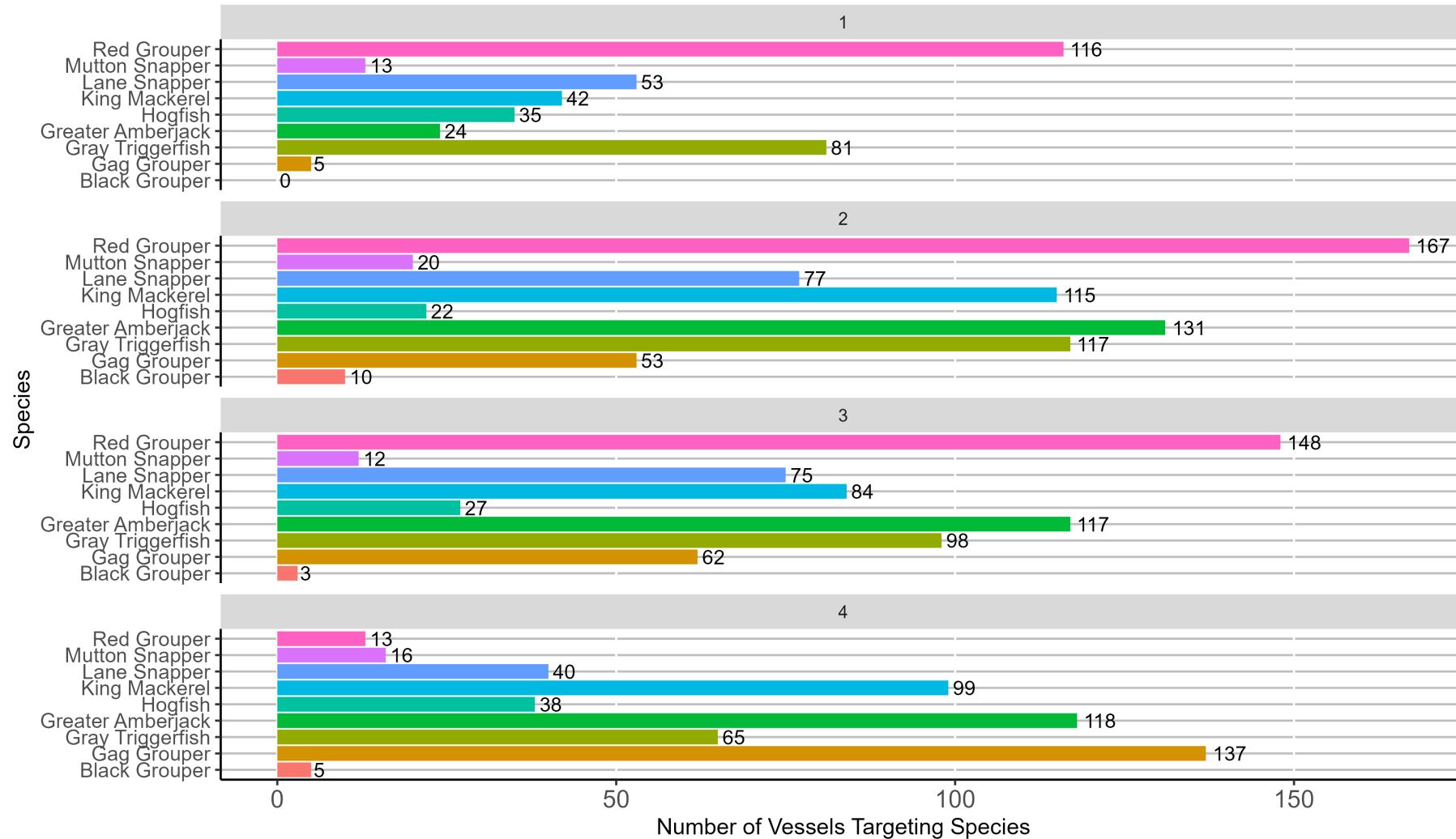


(Based on Gulf permitted vessel logbooks, from 2022)



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Number of Vessels Participating in Each Fishery, by Quarter (2022 Logbook Data: Gulf SEFHIER Permitted Vessels)

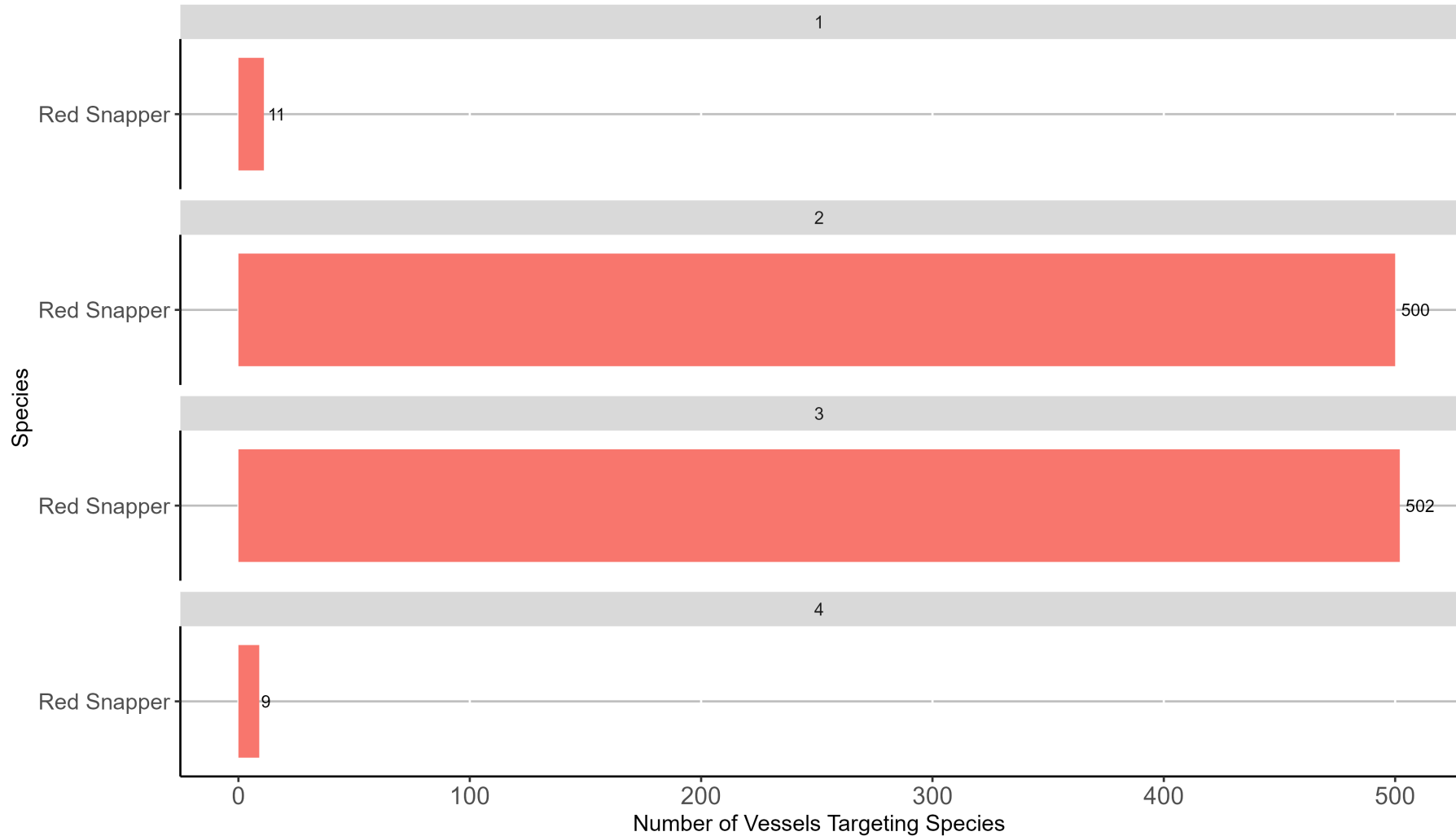


(Based on Gulf permitted vessel logbooks, from 2022)



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Number of Vessels Participating in Red Snapper Fishery, by Quarter (2022 Logbook Data: Gulf SEFHIER Permitted Vessels)

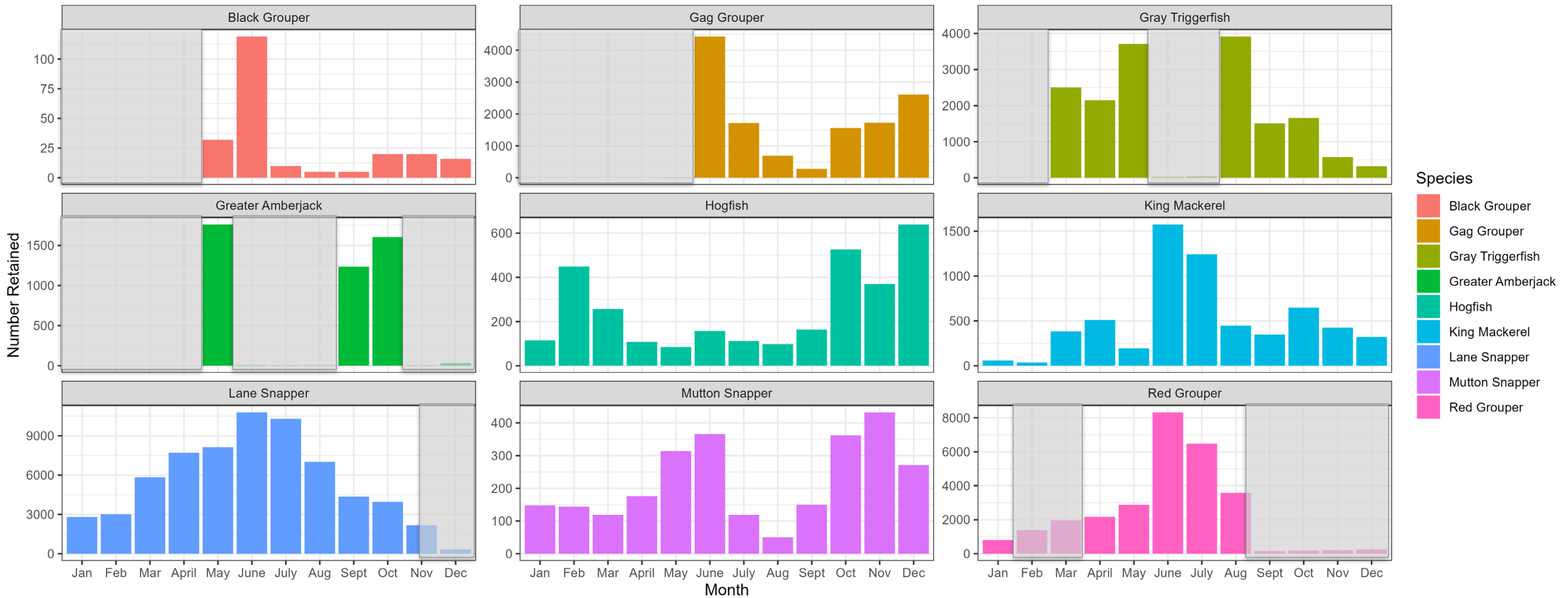


(Based on Gulf permitted vessel logbooks, from 2022)



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Trend in Retained Catch (Numbers), Across Months (2022 Logbook Data: Gulf SEFHIER Permitted Vessels)

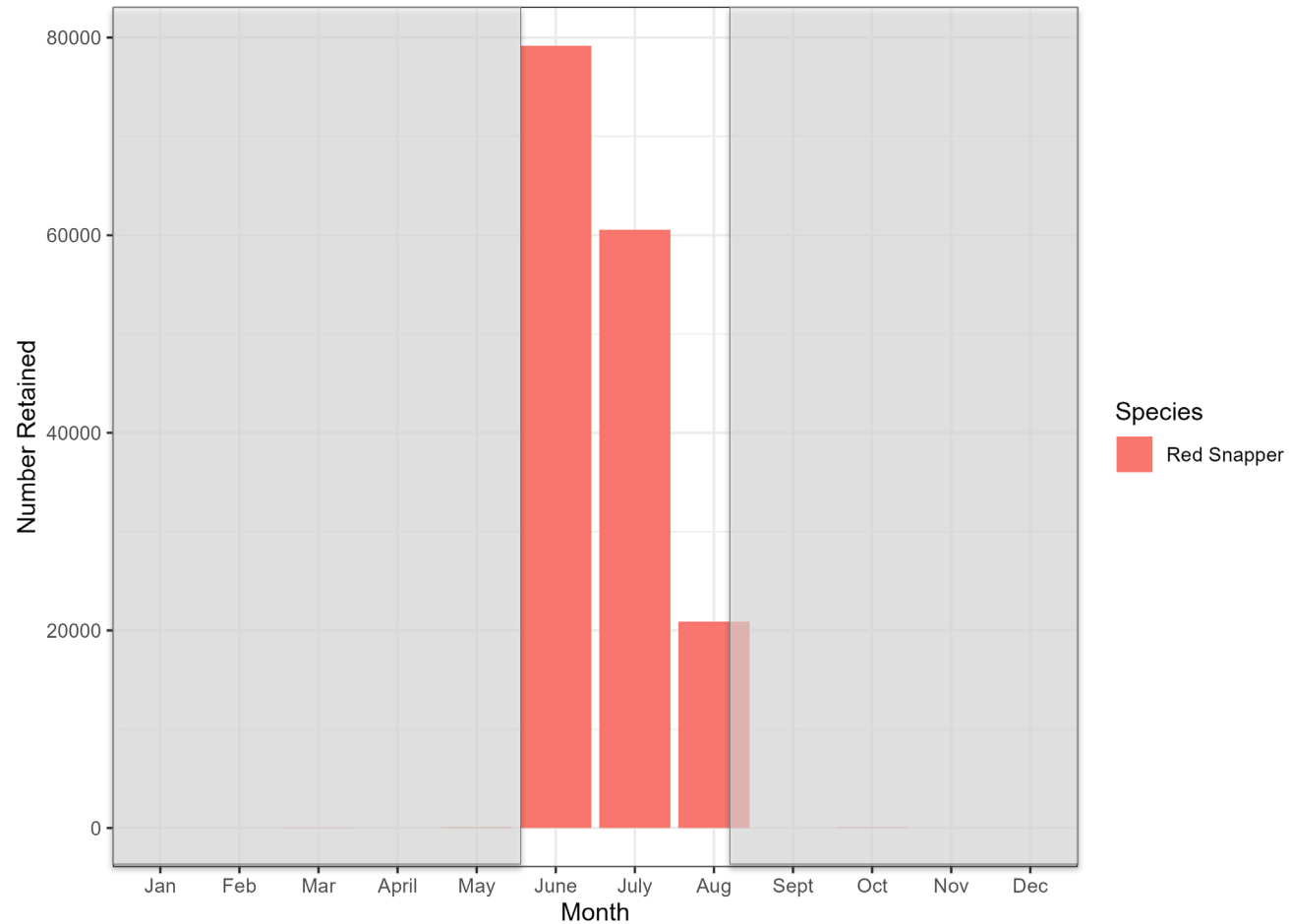


(Based on Gulf permitted vessel logbooks, from 2022, removing months with < 3 vessels reporting)



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Trend in Retained Red Snapper (Numbers), Across Months (2022 Logbook Data: Gulf SEFHIER Permitted Vessels)



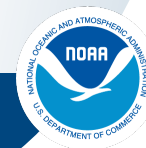
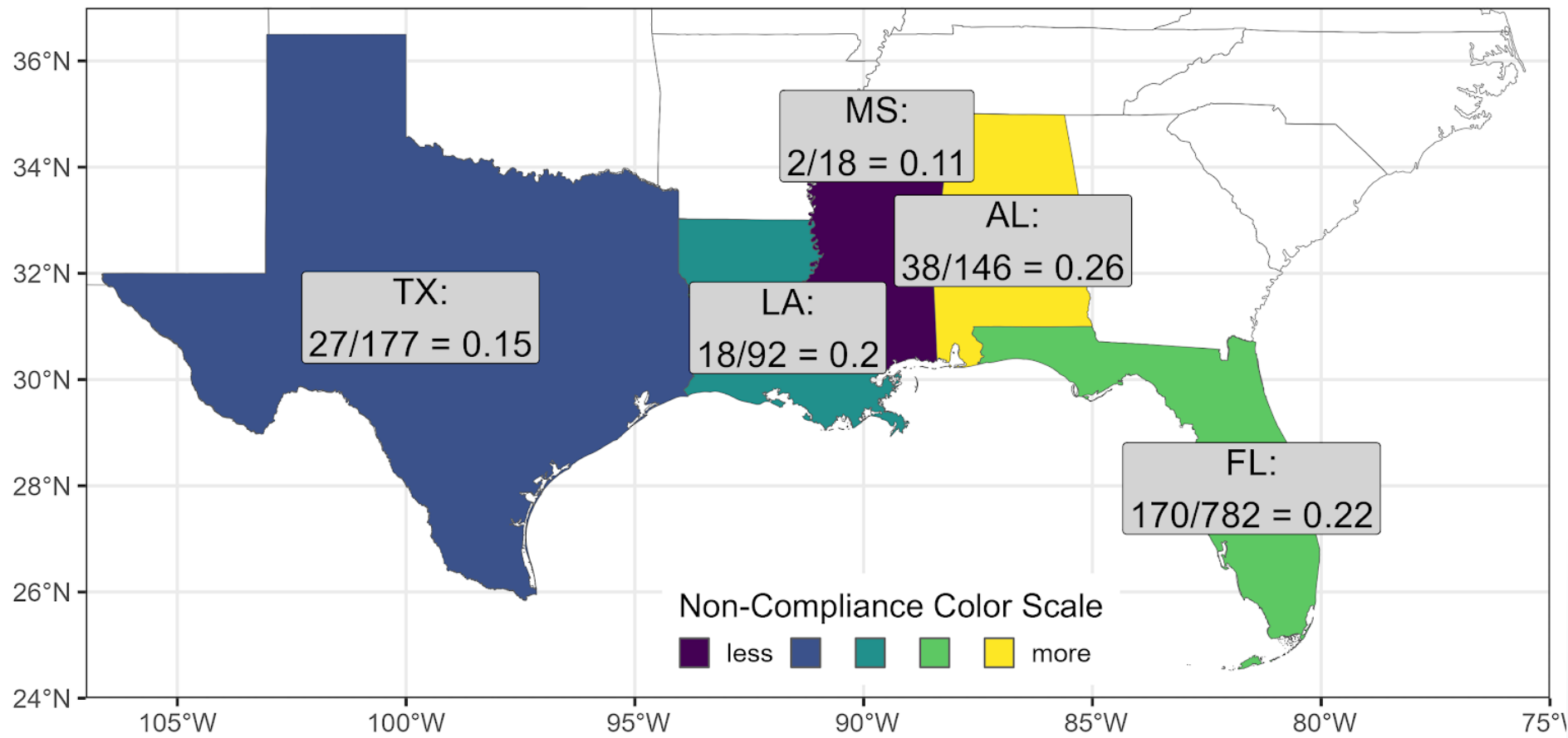
(Based on Gulf permitted vessel logbooks, from 2022, removing months with < 3 vessels reporting)



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Gulf Council Requested Analyses: Areas of Non-Compliance (2022 Logbook Data: Gulf SEFHIER Permitted Vessels)

Proportion of Non-compliant, Gulf Permitted SEFHIER Vessels by Homeport State



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Gulf Council Requested Analyses: Vessel Movement Patterns

(Homeport County/State/Region to End Port County/State/Region)

Data Caveats: Homeport is based on permit information, pulled on 1/2/24. Not all homeports are within a coastal county. Analysis is by vessel, not by trip – vessels are counted if at least 1 trip occurred outside a homeport region.

- ❖ How many vessels have a different homeport county than end port county?
 - Numbers, by quarter: 25 (Q1); 109 (Q2); 102 (Q3); 50 (Q4)
 - The higher values in the 2nd and 3rd quarter may be from an increase in participation (tourist season), or an increase in vessels relocating to tourist “hot spots”
- ❖ How many vessels have a different homeport state than end port state?
 - Numbers, by quarter: 3 (Q1); 31 (Q2); 27 (Q3); 10 (Q4)
 - In general, most differences were between adjacent states, though large geographical differences may be due to permit transfers that occurred within 2022
- ❖ How many vessels have a different homeport region (Gulf) than end port region (S. Atlantic)?
 - 3 vessels, in 2022
 - Analysis excludes vessels with homeports in Monroe County



Gulf Council Requested Analyses: Vessel Movement Patterns

(Based on Data Reported in the Area Fished Field, from Gulf Permitted Vessel Logbooks)

*Data Caveats: Homeport is based on permit information, pulled on 1/2/23. Not all homeports are within a coastal county.
Analysis is by vessel, not by trip – vessels are counted if at least 1 trip occurred outside a homeport region.*

This analysis counts a vessel if it made at least one trip in the Gulf and at least one in the South Atlantic, in 2022.

- ❖ How many Gulf permitted SEFHIER vessels fish in both the Gulf and South Atlantic?
 - Numbers, by quarter: 13 (Q1); 14 (Q2); 15 (Q3); 13 (Q4)
 - There are ~281 dual Gulf and South Atlantic/Atlantic permitted for-hire vessels in 2022



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Special Thanks!!



❖ Data Analysts:

Jenny Ostroff, Anna Shipunova, Dominique Lazarre & David Records (SERO)

❖ Gulf For-Hire Electronic Reporting IPT members

❖ Our SEFHIER constituents!

SEFHIER customer service: 1-833-707-1632 (8:00-4:30 pm EST) or ser.electronicreporting@noaa.gov



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Questions ?



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