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Tab F, No. 5(b)

SEFHIER

Better Data, Better Management

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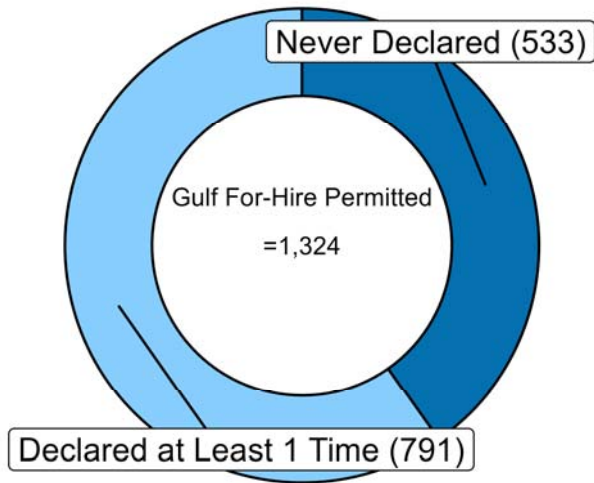
< 2021: Total SEFHIER Data



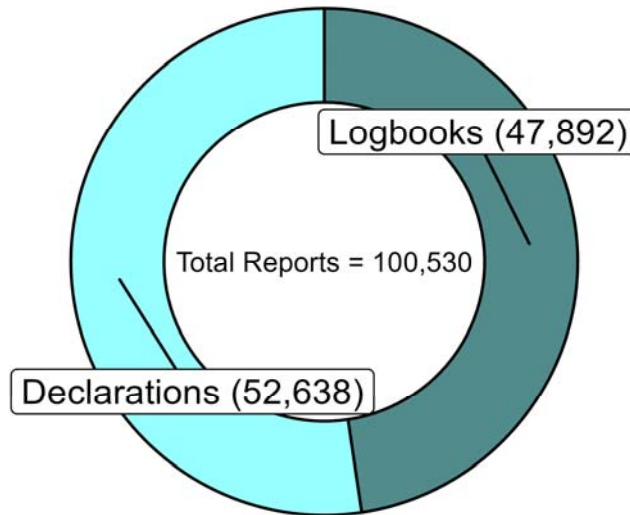
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2022 Gulf SEFHIER Data

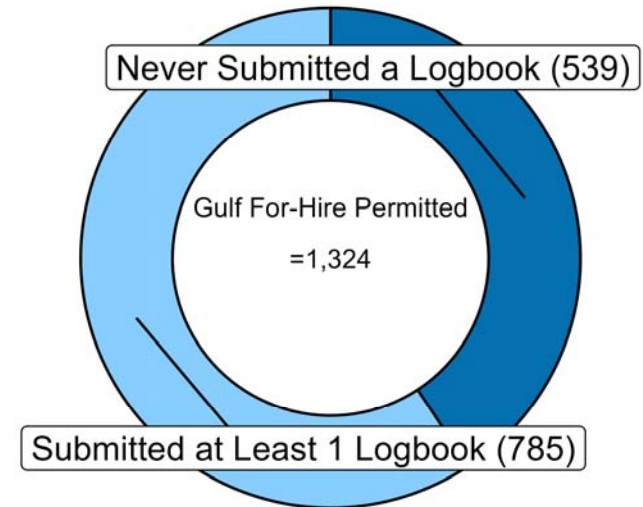
Gulf Permitted Vessels
That Declared At Least 1 Time



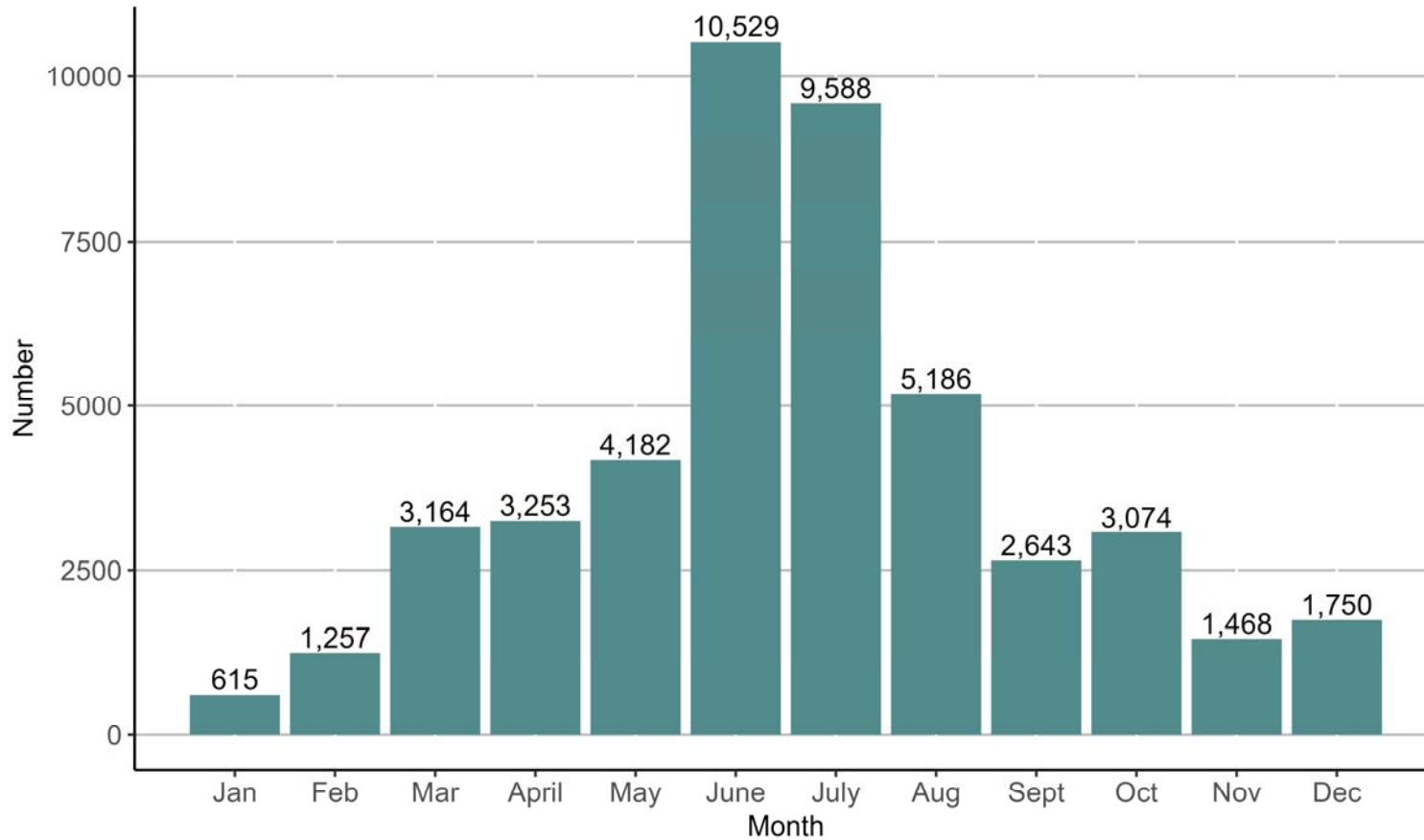
SEFHIER Reports
(from Gulf For-hire Permitted)



Gulf Permitted Vessels
Fishing and Not Fishing



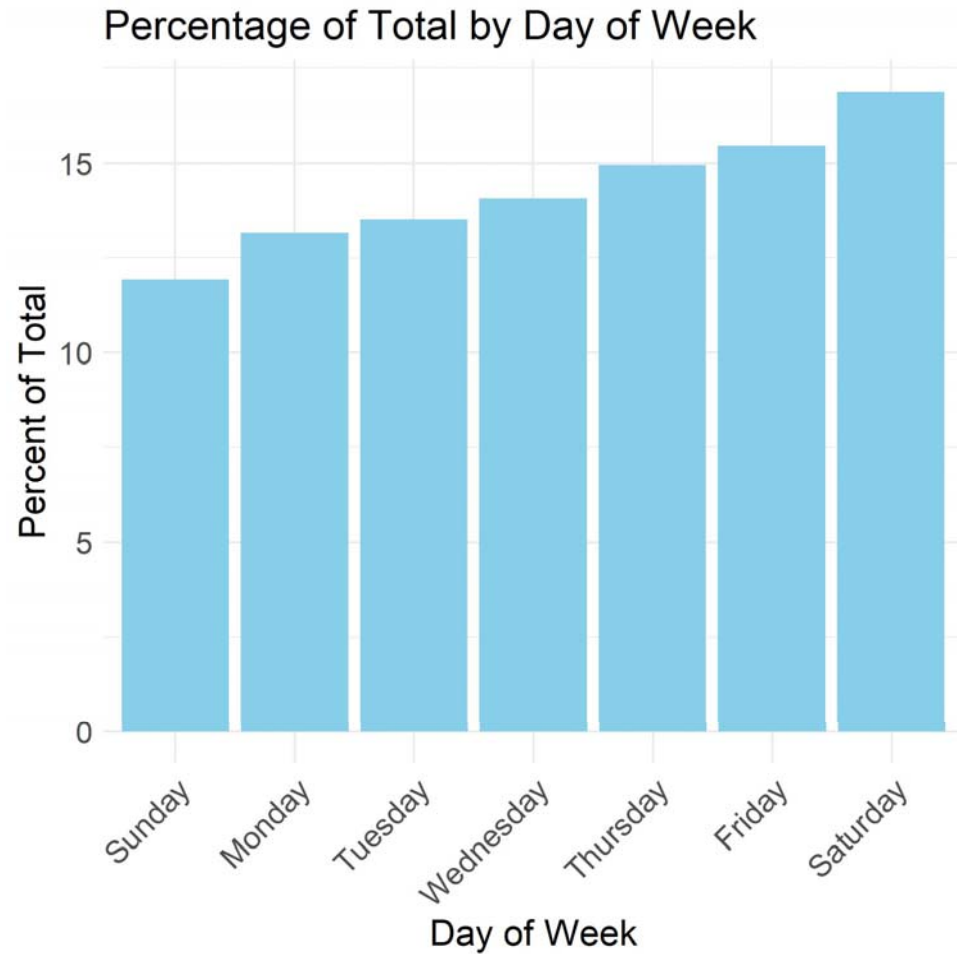
2022 Gulf SEFHIER Data: Total Logbooks, by Month



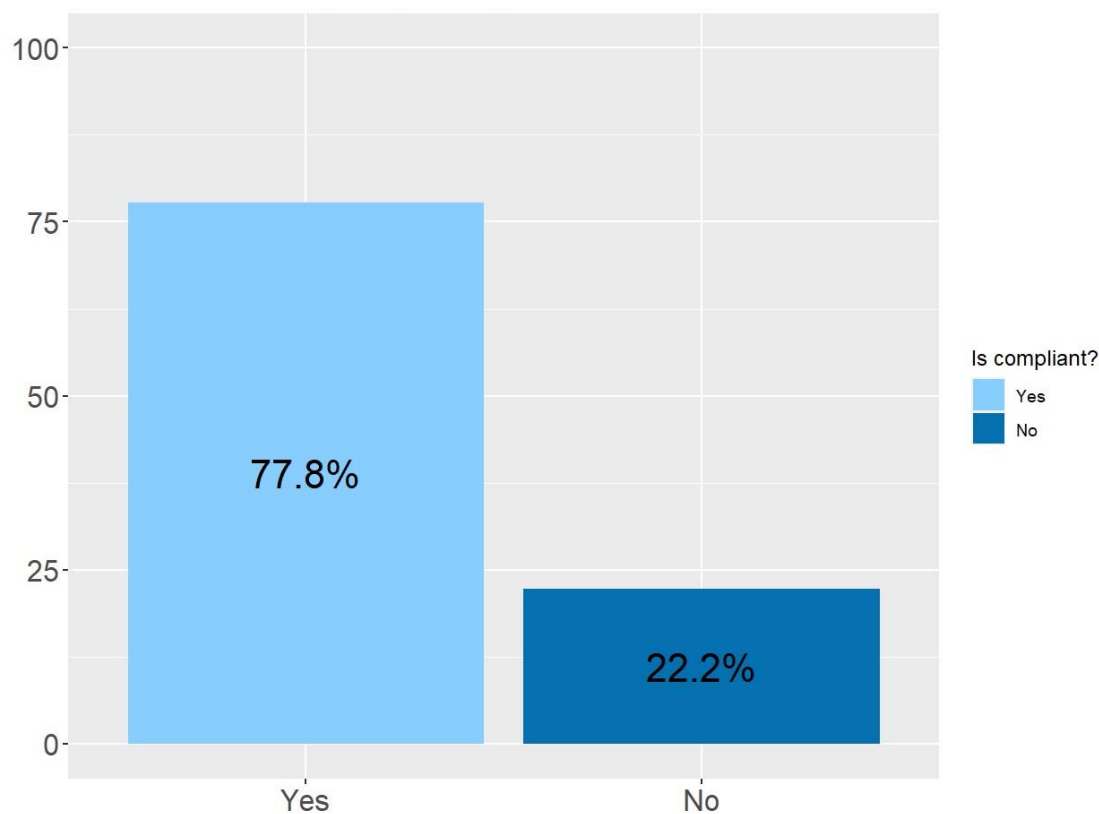
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2022 Gulf SEFHIER Data:

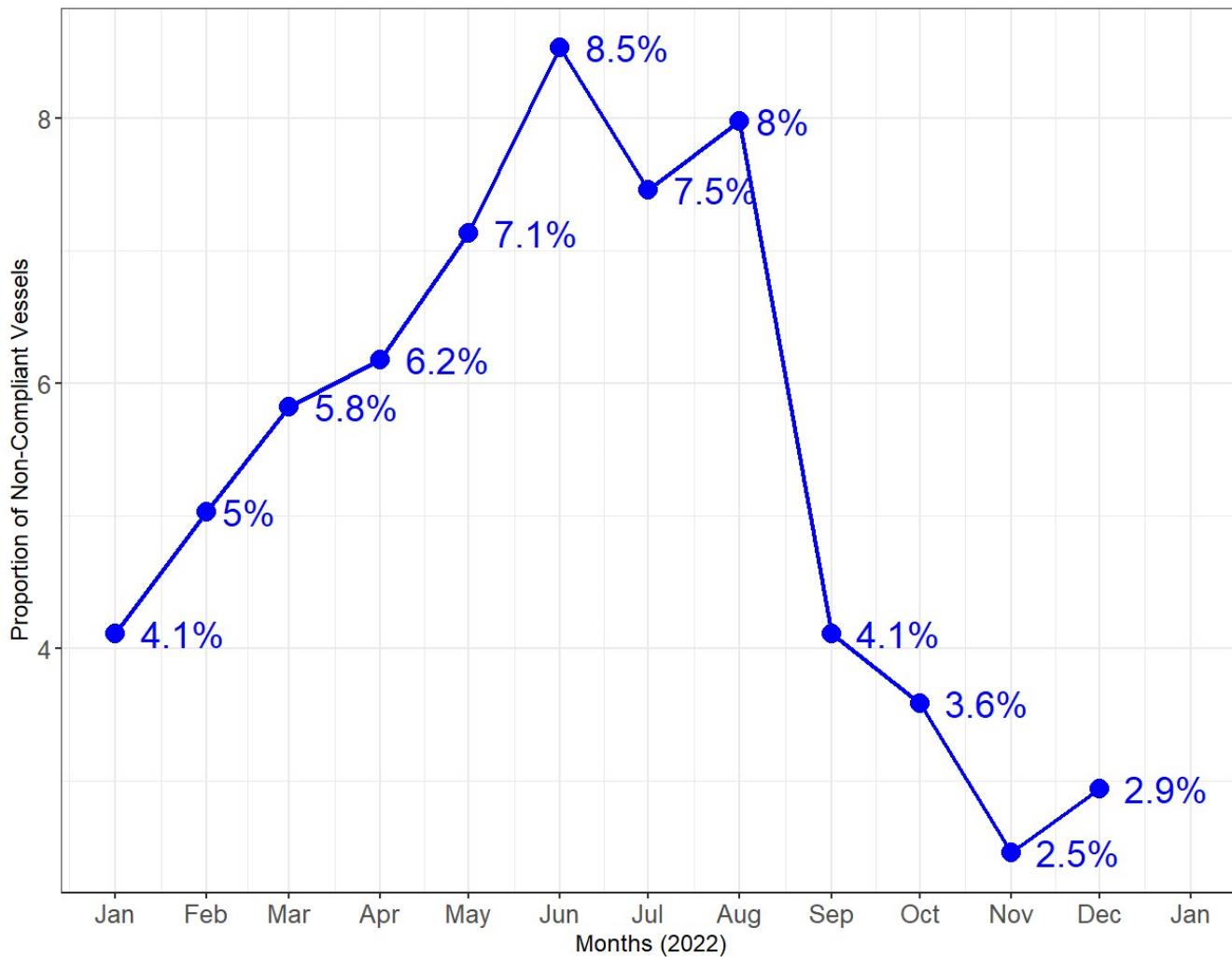
% of Declarations
Submitted by Weekday,
for an Average Week



2022 Gulf SEFHIER: % Compliant vs Non-Compliant Gulf Vessels (With Regard to the Reporting Requirements)



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2022 Gulf SEFHIER:
 % of Non-Compliant Vessels, by Month (Out of ~1300 Total Gulf Permitted)

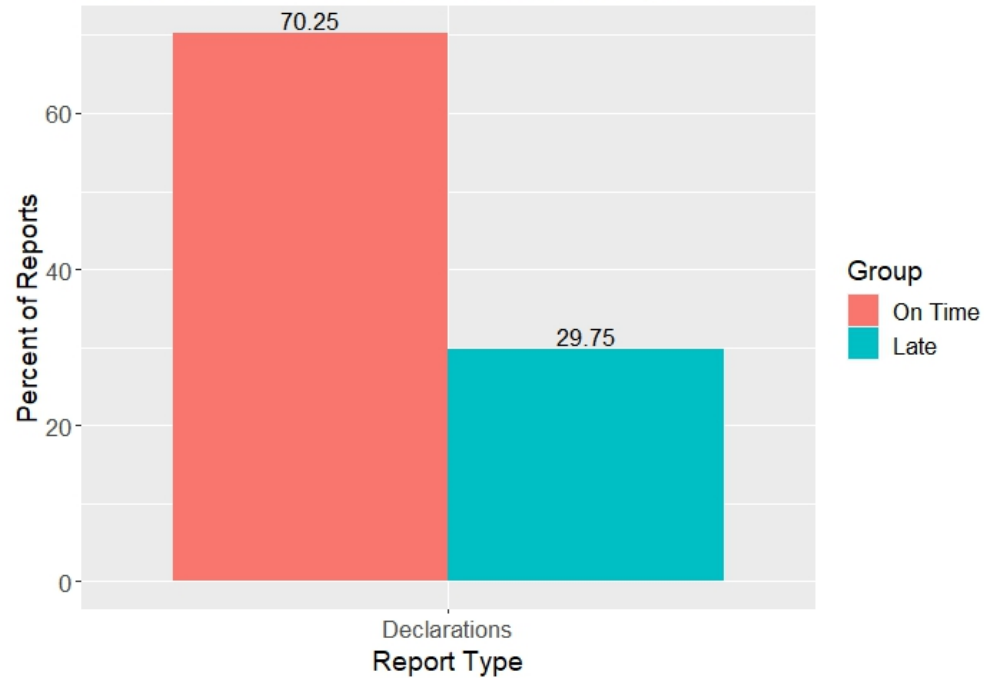


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2022 Gulf SEFHIER: Late Reporting

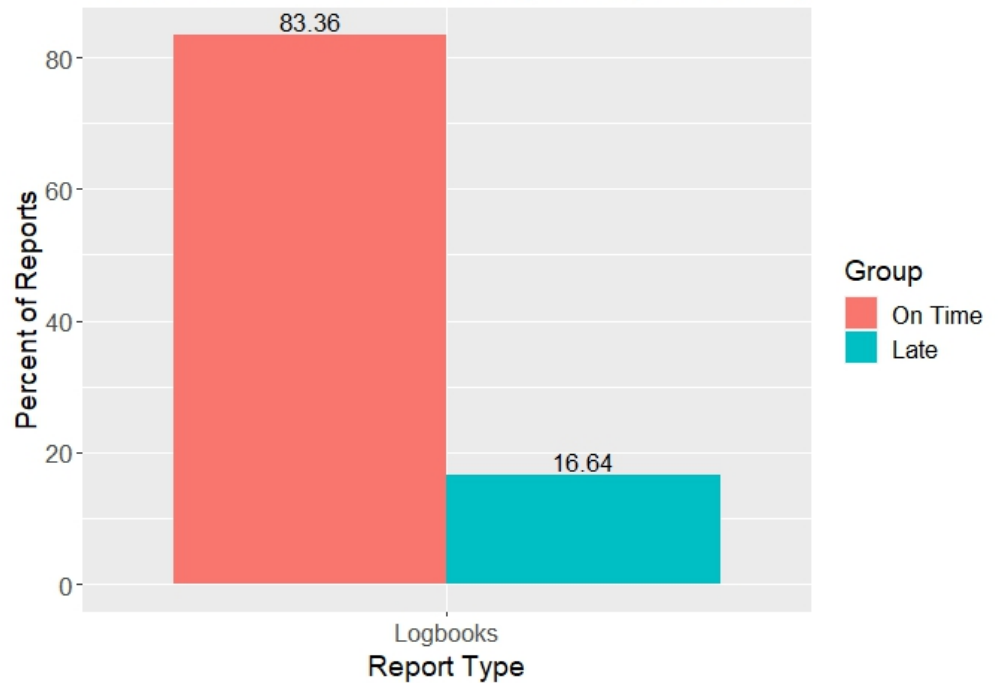
*Late = transmission > trip start date/time

Percent of On Time vs Late Declarations (GOM, 2022)

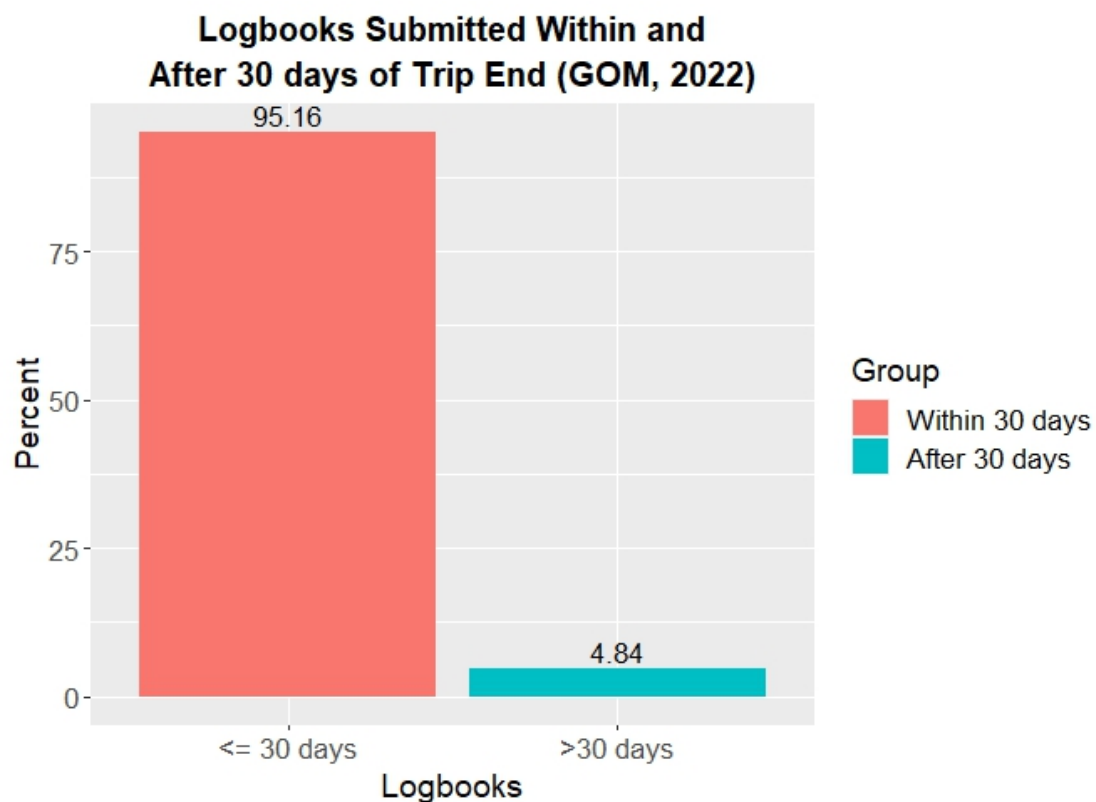


*Late = transmission > 24 hours after trip end date/time

Percent of On Time vs Late Logbooks (GOM, 2022)

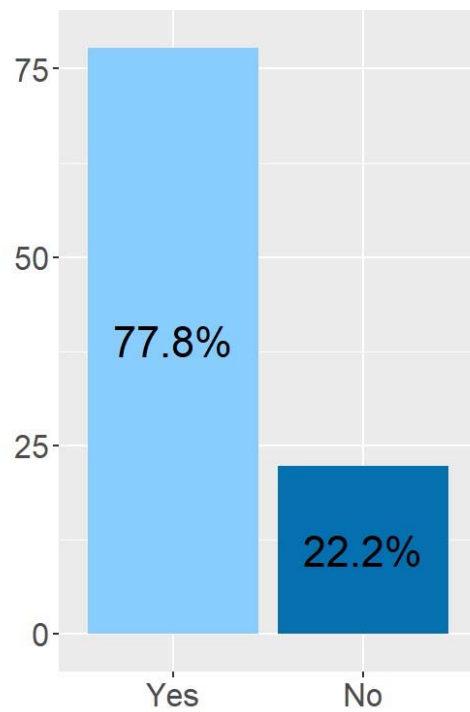


2022 Gulf SEFHIER: Late Reporting (No Logbook Submitted Within 30 days of Trip End)

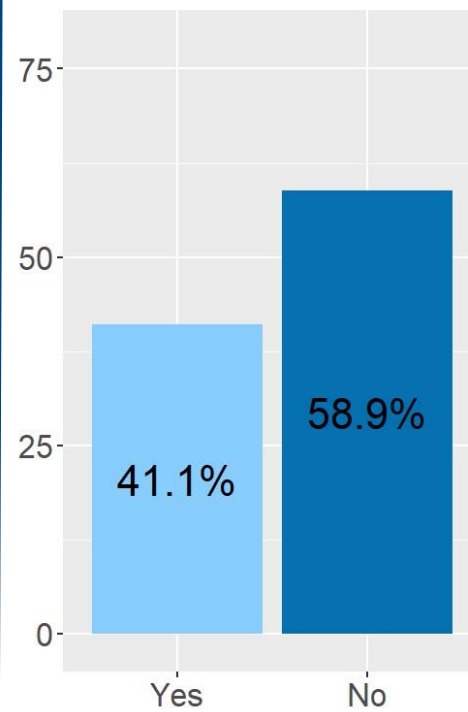


2022 Gulf SEFHIER: Comparison of Gulf to South Atlantic Compliance, with Regard to the Reporting Requirements

Gulf Program
*(~1300 permits)



South Atlantic Program
*(~1700 permits)



Is compliant?
Yes
No

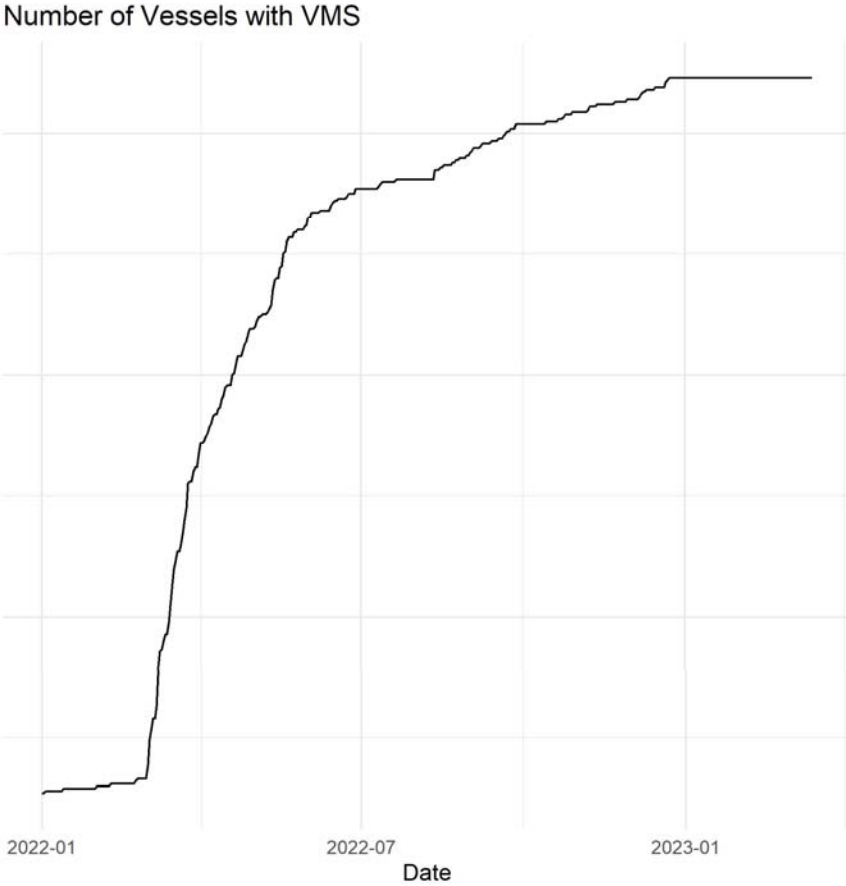
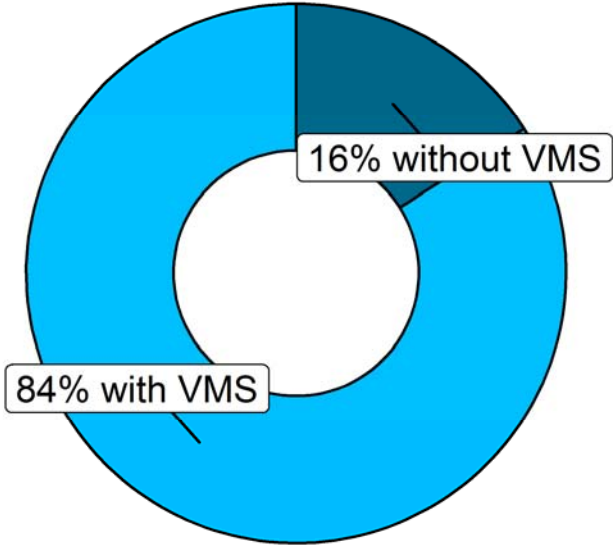


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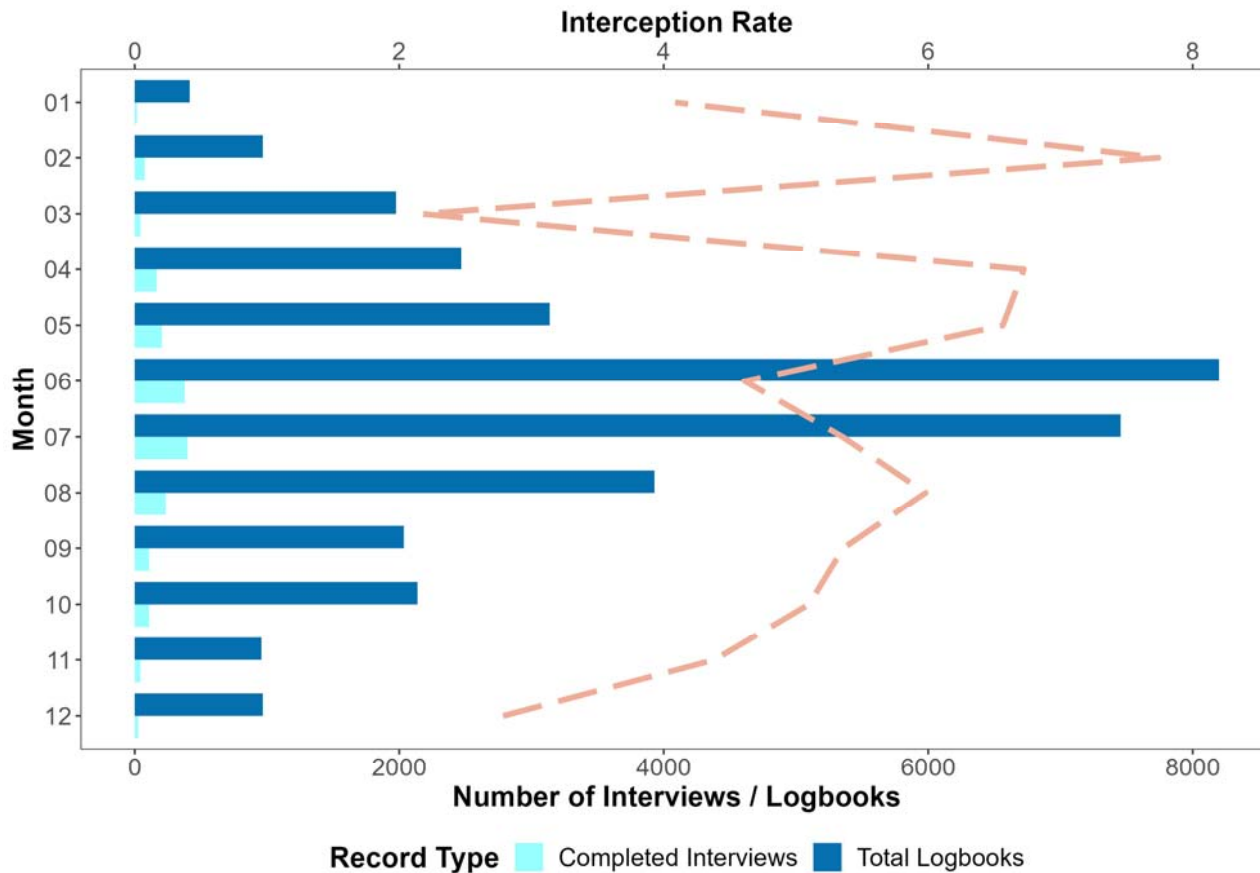
2022 Gulf SEFHIER: Compliance with the VMS Requirement

@ the end of 2022

Proportion VMS Compliant
(out of the total # of Gulf for-hire permitted vessels)



2022 Gulf SEFHIER: Completed Validation Survey Intercepts

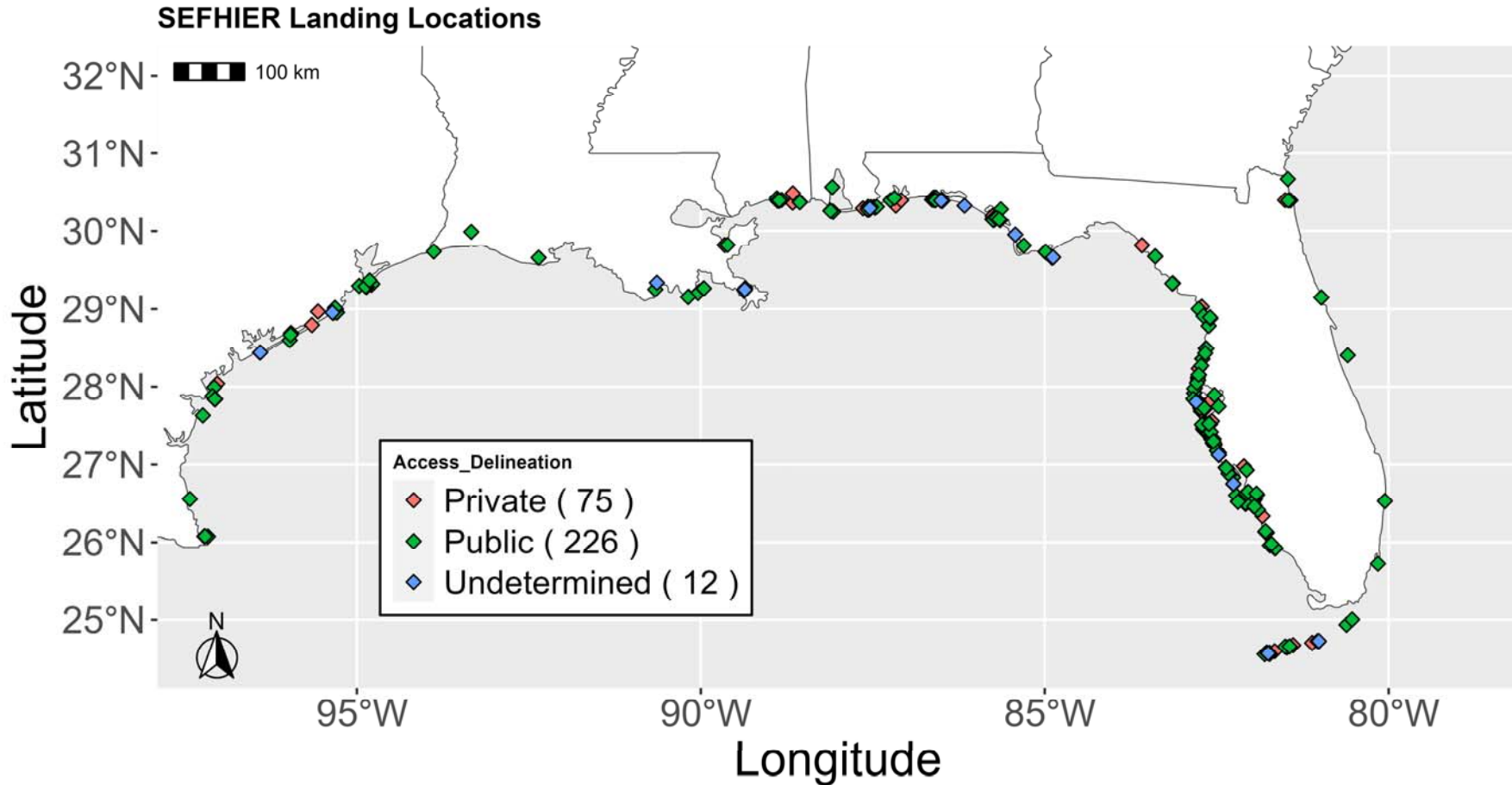


2022 SEFHIER
Validation Survey
Interception Rate:
5.2%

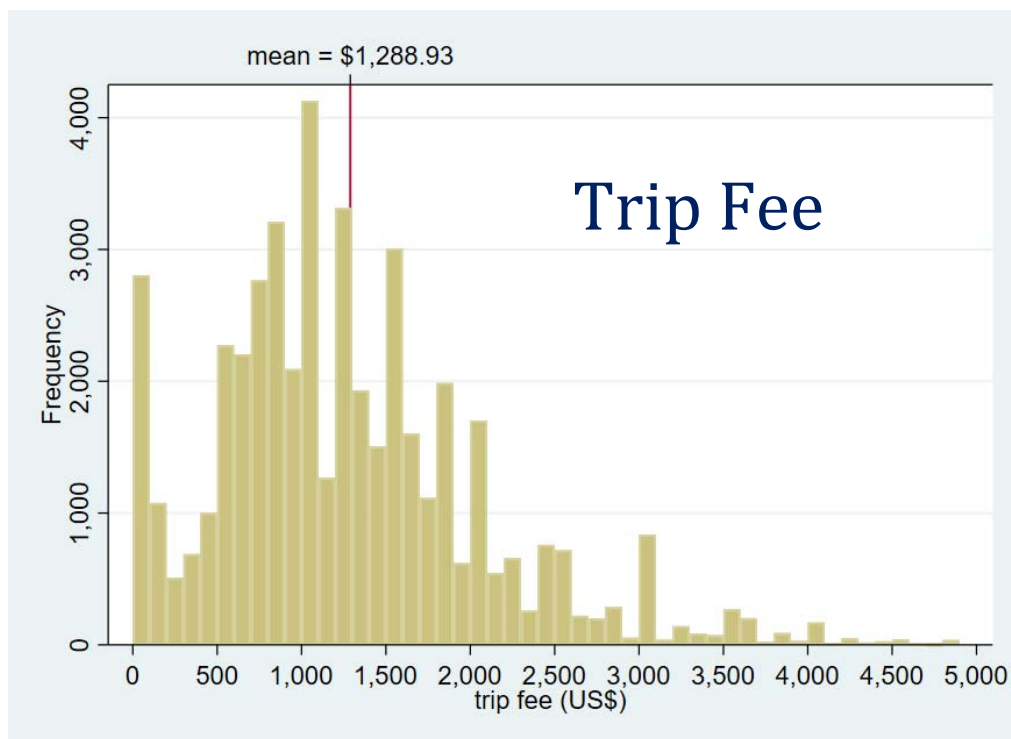
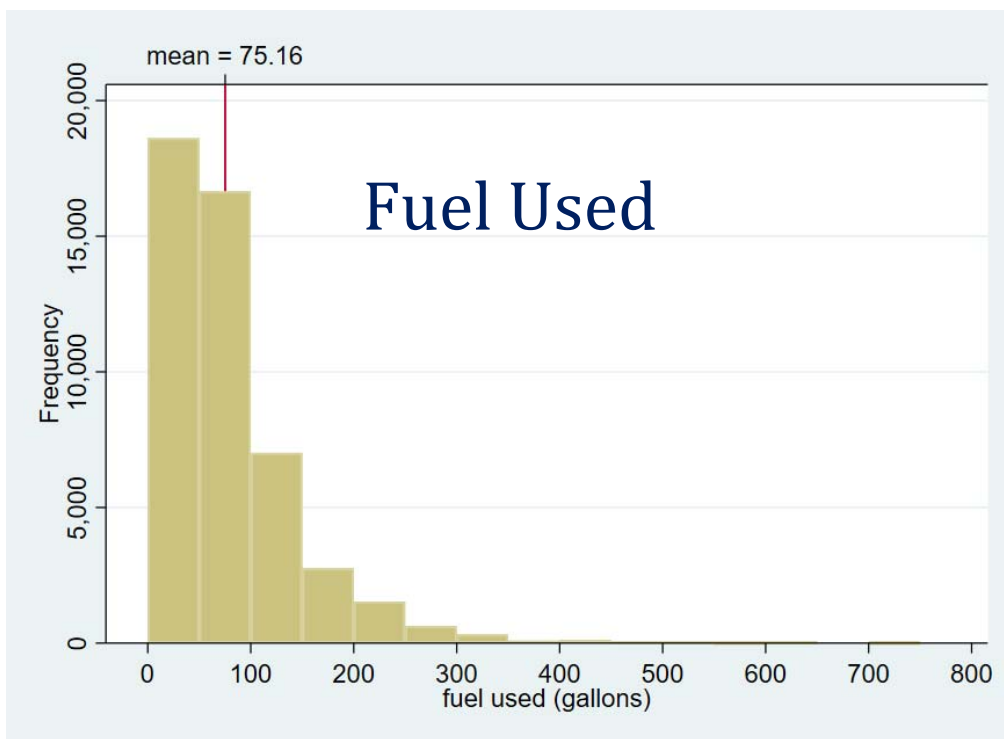


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2022 Gulf SEFHIER: Approved Landing Locations



2022 Gulf SEFHIER: Frequency of Values Reported, for Economic Data Fields



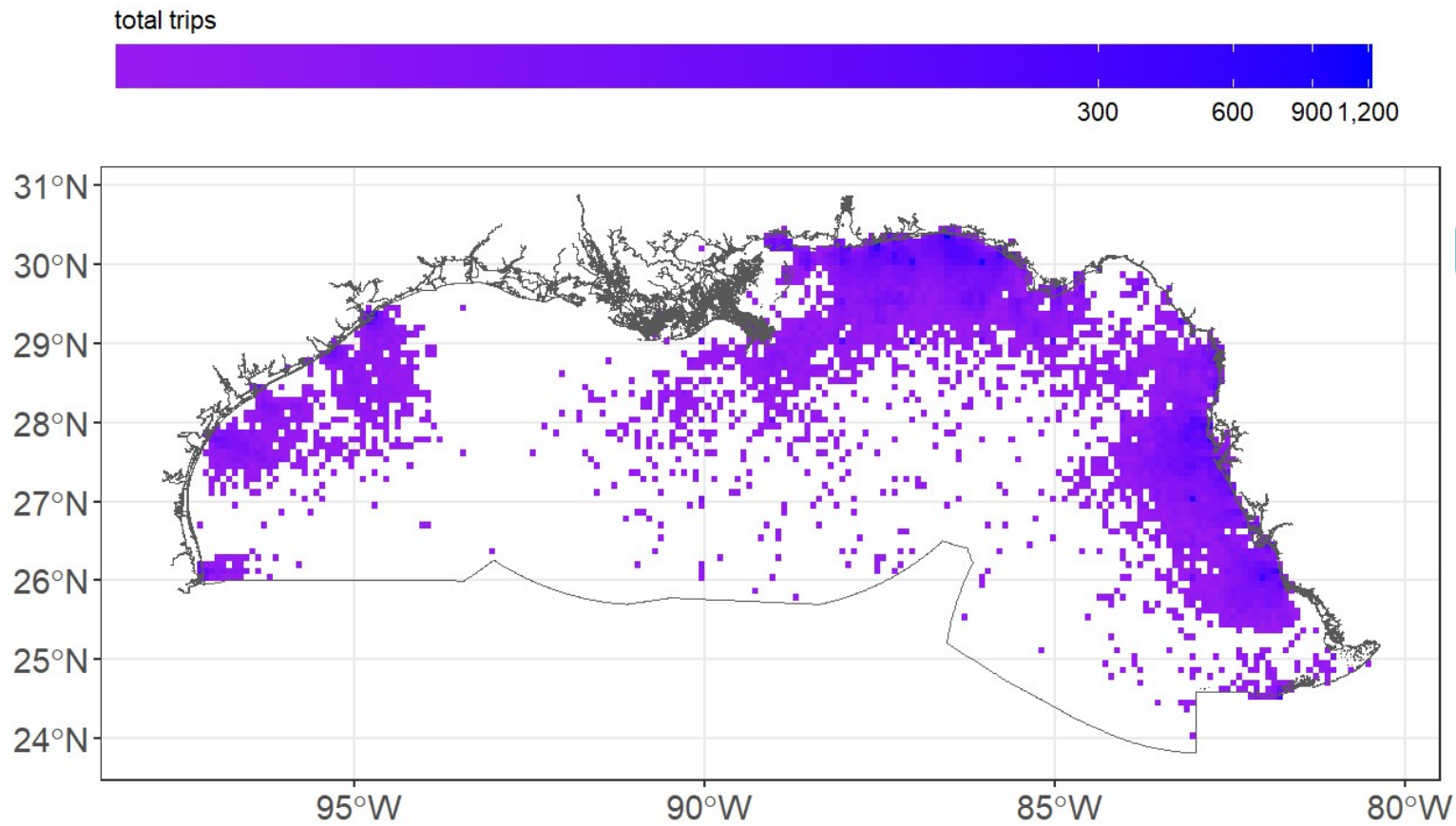
*Data values reported by < 3 vessels were removed, for privacy



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2022 Gulf SEFHIER Spatial Analysis:

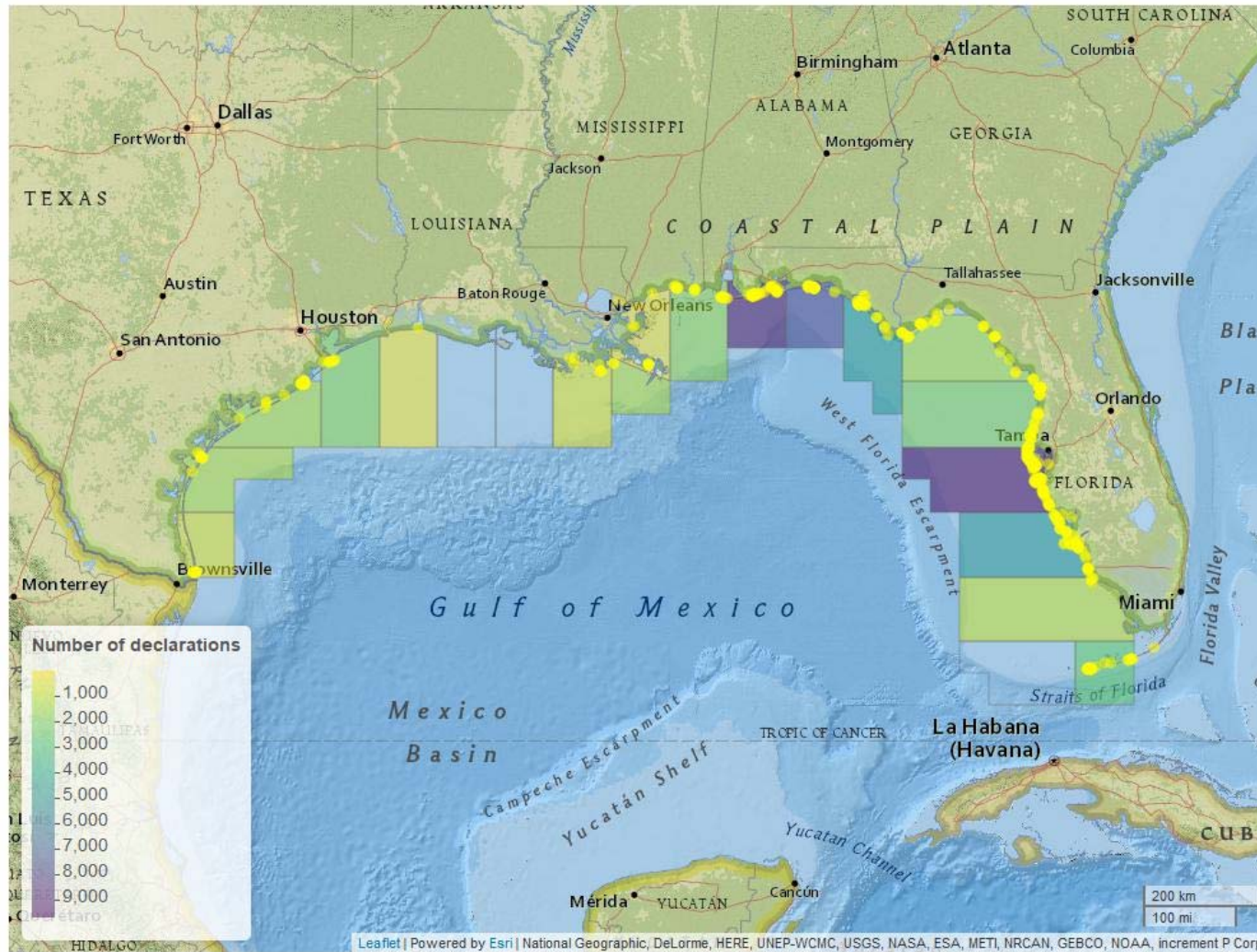
of Logbooks, by
Area Fished
(Shown @ 5x5
Min. Squares)



Heat map of SEFHIER trips (5 min. resolution).

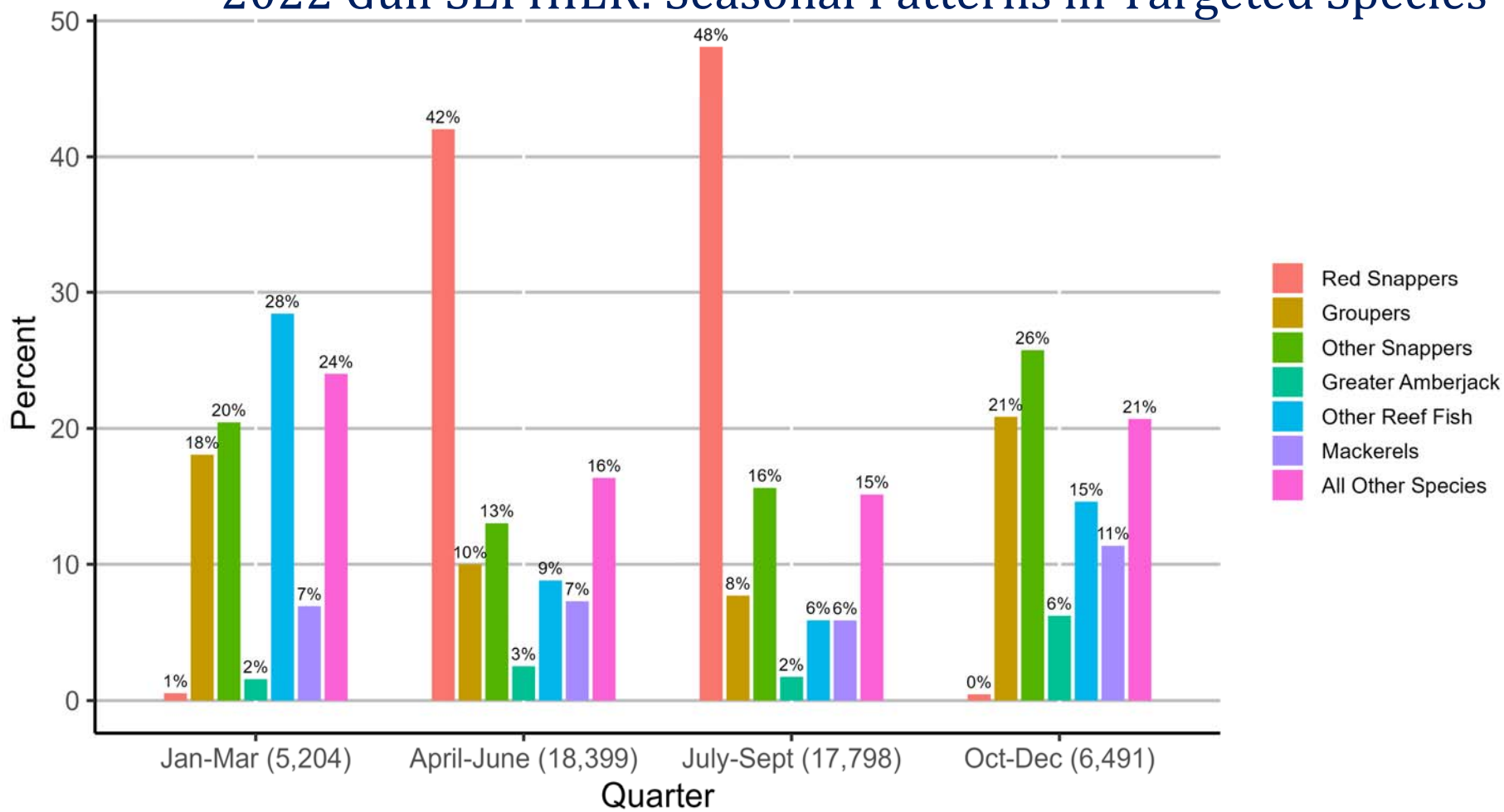


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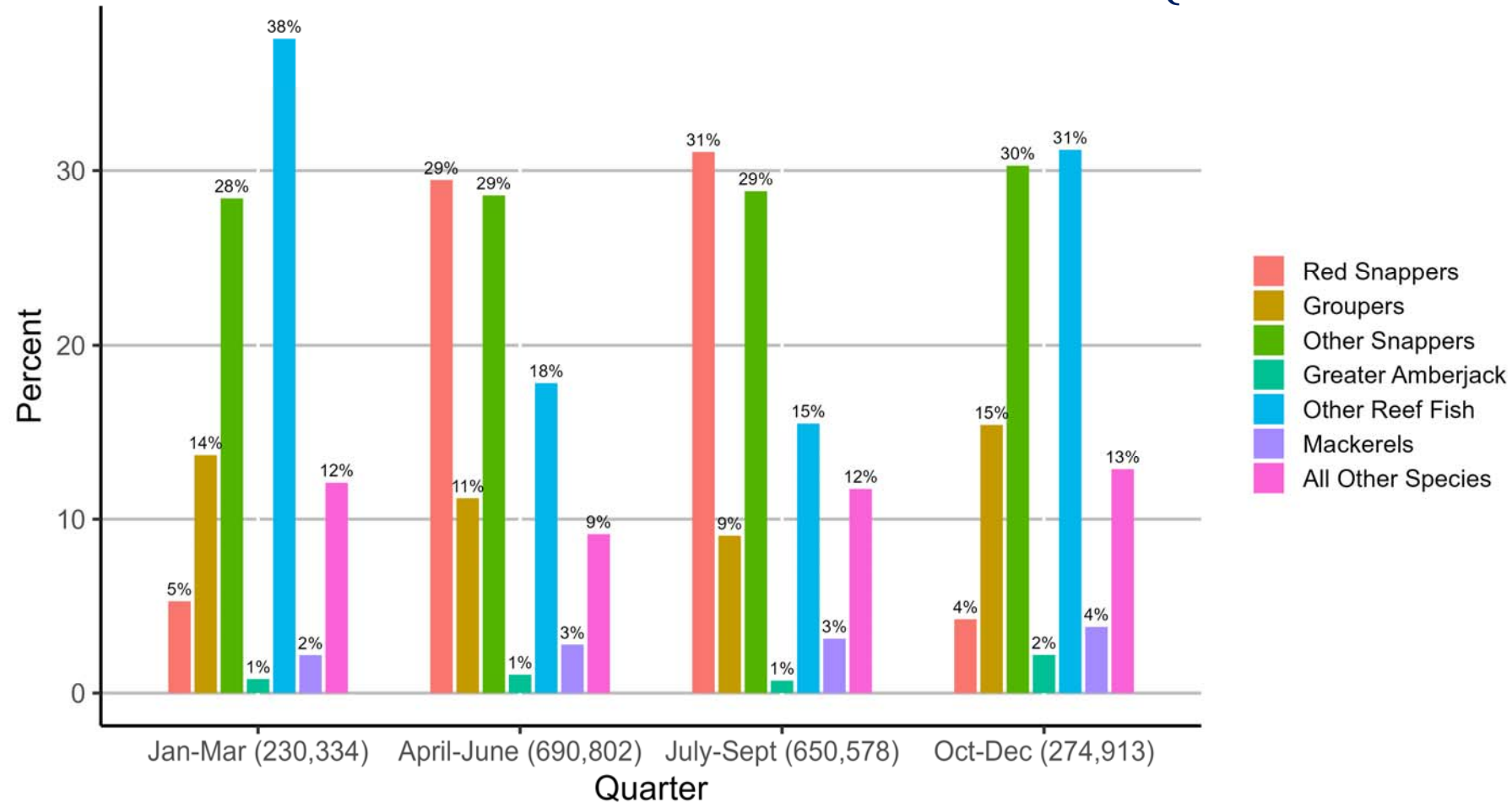


2022 Gulf SEFHIER Spatial Analysis: # of Declarations, by Landing Location

2022 Gulf SEFHIER: Seasonal Patterns in Targeted Species



2022 Gulf SEFHIER: Seasonal Patterns in Catch (Retained + Discarded)



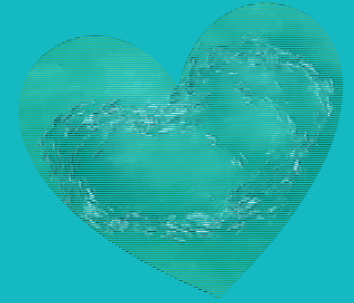
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2022 Gulf SEFHIER: Key Takeaways

- ❖ 2022 = Overall, Gulf SEFHIER program compliance was reasonably good
 - >100k trip reports received
 - >91% of vessels were compliant each month
 - 83% of logbooks submitted within 24 hours of trip ending
 - <5% of logbooks submitted >30 days of trip ending
 - 84% of vessels were VMS compliant (by the end of 2022)
- ❖ The South Atlantic SEFHIER program, has a much higher % of non-compliant vessels (59%), in 2022
- ❖ Without VMS, a comprehensive trip validation program is needed to determine non- or mis-reporting vessels



Special Thanks!!



❖ Data Analysts:

Jenny Ostroff, Anna Shipunova, Dominique Lazarre and David Records (SERO), John Froeschke (Council Staff), Kyle Dettloff (SEFSC)

❖ Gulf For-Hire Electronic Reporting IPT members

❖ Our SEFHIER constituents!

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



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Questions



Next Up: Data Usage & Next Steps



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