



Tab B, No. 7(d)

Summary of Responses from 11/1/19 – 12/14/19

# Something's Fishy: Vermilion Snapper



# What is Something's Fishy?

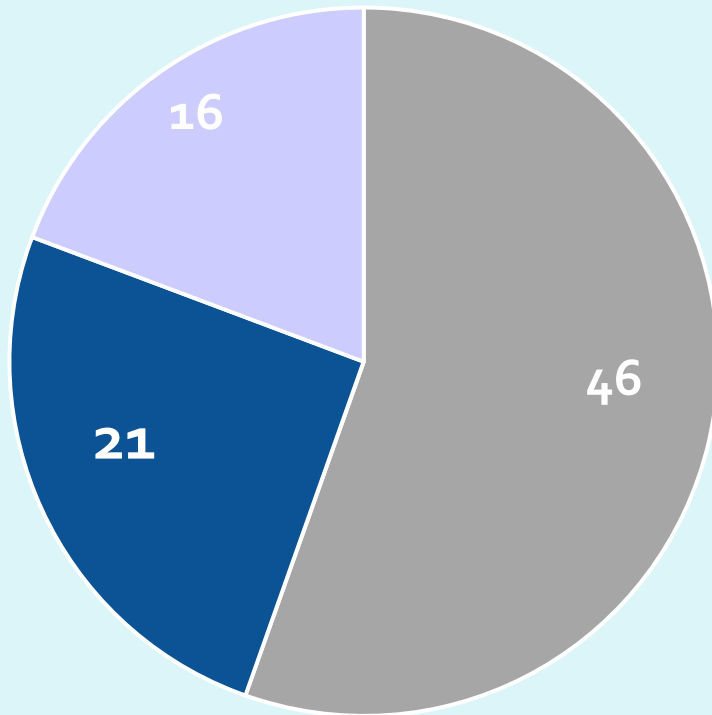
A tool used to gather information on a fish stock from active fishermen on trends or unusual occurrences that scientists and managers may not have observed.

- Responses gathered from November 1, 2019 – December 14, 2019
- Final report was sent to stock assessment analysts in March 2020.



# Respondents

Responses by Sector



■ Private ■ For-Hire ■ Commercial

## 63 Respondents

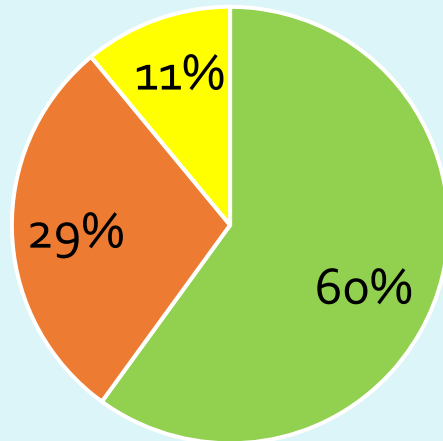
- Self-identified with sector
- Not limited to a singular response (n=83)



# Response Sentiment

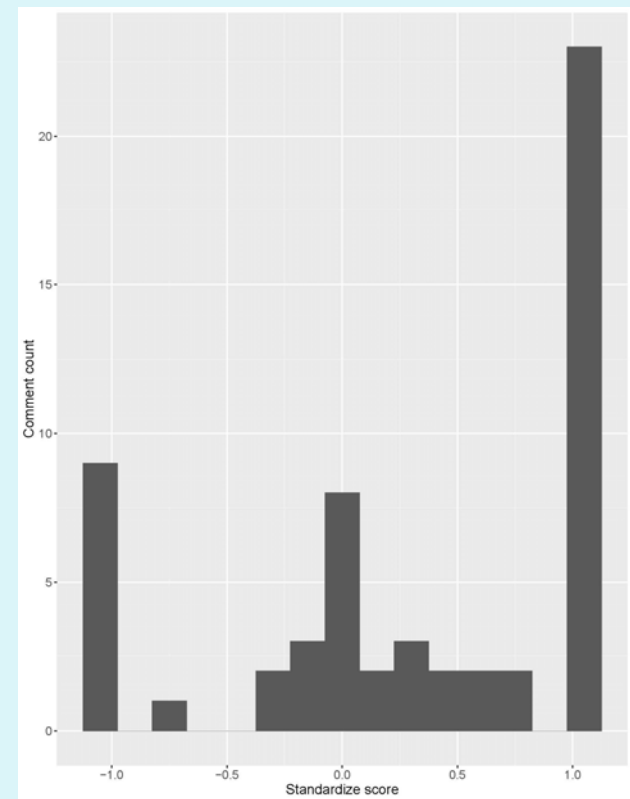
- Both manual and automated analysis produced similar results. Both indicated a slightly positive trend in perception of stock abundance
- Manual analysis showed a greater proportion of positive comments while automated analysis showed a minor trend towards positive comments

Response Sentiment



■ Positive ■ Negative ■ Neutral

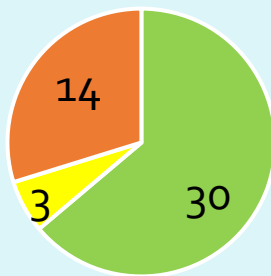
Manual



Automated

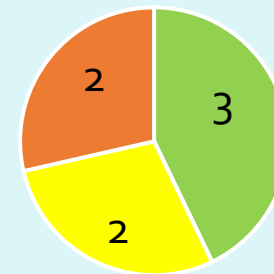
# Sentiment by Sector

Private Recreational



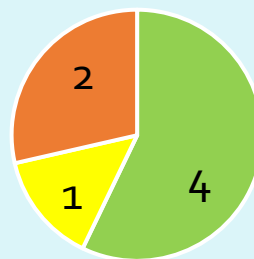
■ Positive ■ Neutral ■ Negative

Commercial



■ Positive ■ Neutral ■ Negative

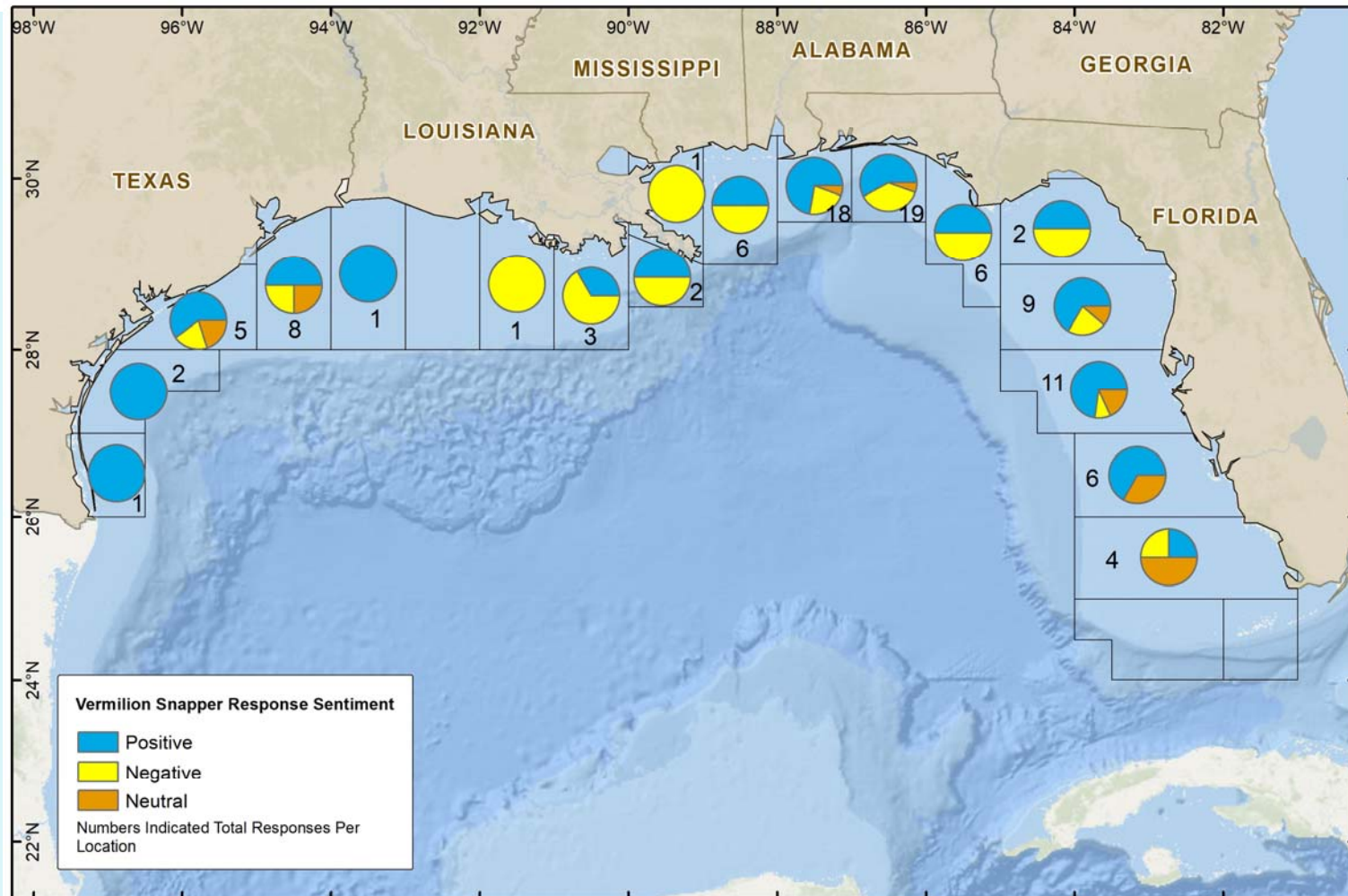
Identified as Both Sectors



■ Positive ■ Neutral ■ Negative



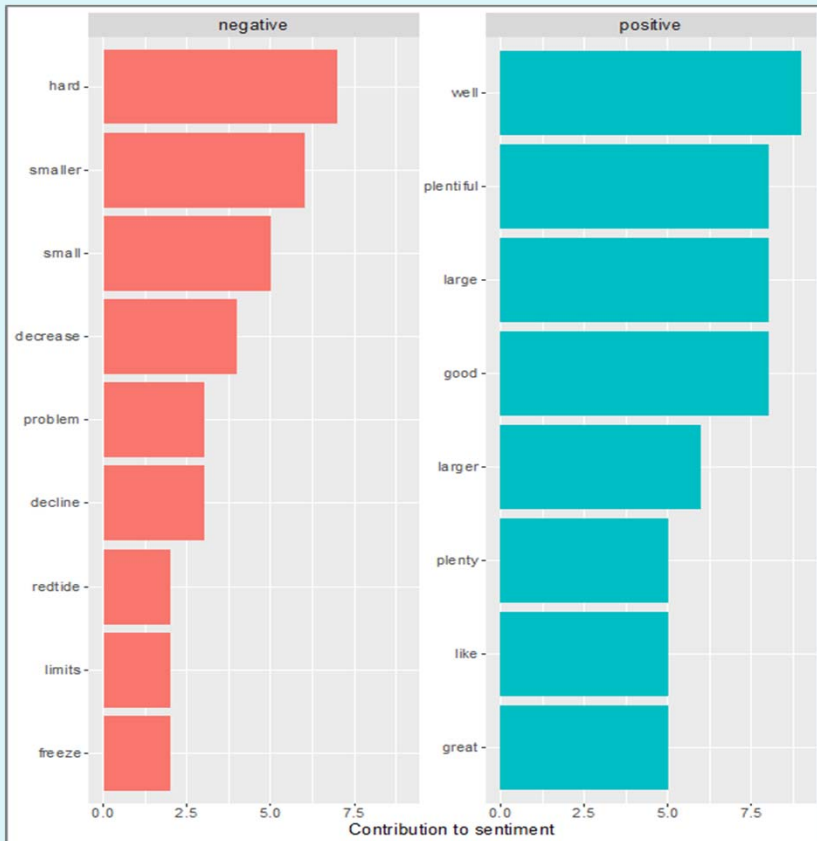
# Response Sentiment by Location



Respondents could report observations for multiple grid locations. No responses were gathered from central Louisiana or the Florida Keys.



# Automated Analysis



The most frequently used positive and negative words could be interpreted to indicate anglers are generally seeing more fish and larger fish while some anglers are experiencing a decline in average size and catch rate.



# Manual Analysis - Emergent Themes

- Indicated a positive trend in stock health
- Stock has been continuously healthy for years
- Stock may be healthier than ever
- Anglers seeing larger vermilion in deep waters
- Vermilion are moving into shallower waters than they have been historically
- Vermilion snapper are being outcompeted by triggerfish and red snapper
- Juveniles are being found in lionfish stomachs
- Dolphin depredation is harming the population
- Fishing effort is shifting to vermilion due to unhealthy grouper stocks, short seasons for other species and increased commercial pressure
- Red tide and the oil spill may have displaced local vermilion populations





# Questions?

