Status of oyster reefs in Apalachicola Bay



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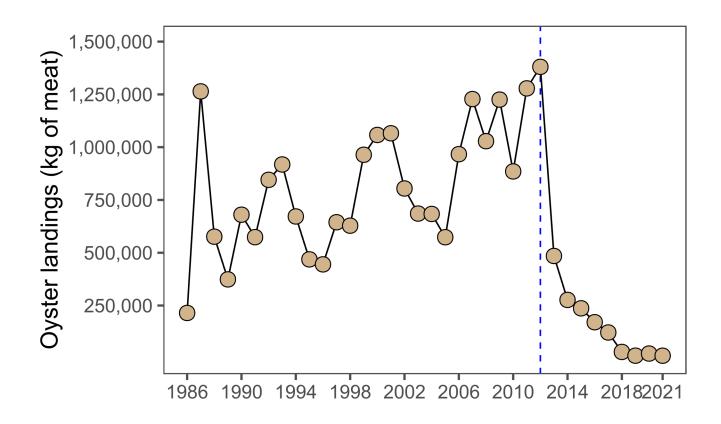
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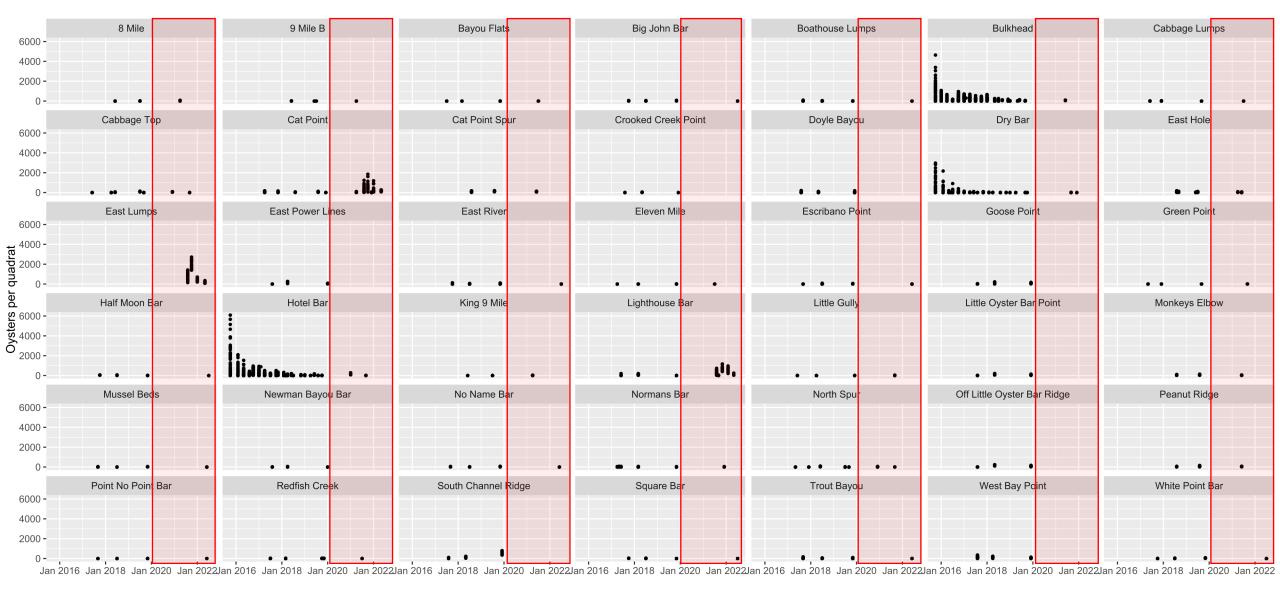
Shannon Hartsfield

Oysterman and Seafood Management Assistance Resource and Recovery Team (SMARRT)





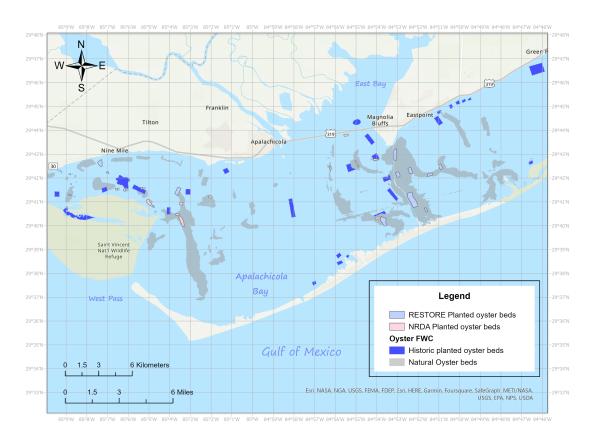




There is limited fisheries independent data regarding the recent status of the oyster populations. -42 sites; sporadically sampled over past 6 years in a ~540 km² area.

Goals of the tonging surveys are:

- -To improve our understanding of oyster population status across the bay.
- -Identify regions that are doing well/poorly to inform future efforts.
- -Link oyster status to responses of other estuarine species.



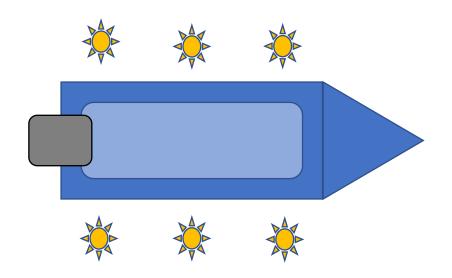


At each survey site:

- 6 tong samples @ each survey location:
- -Type, vol., wt. of substrate recorded
- -All oysters counted, binned by size

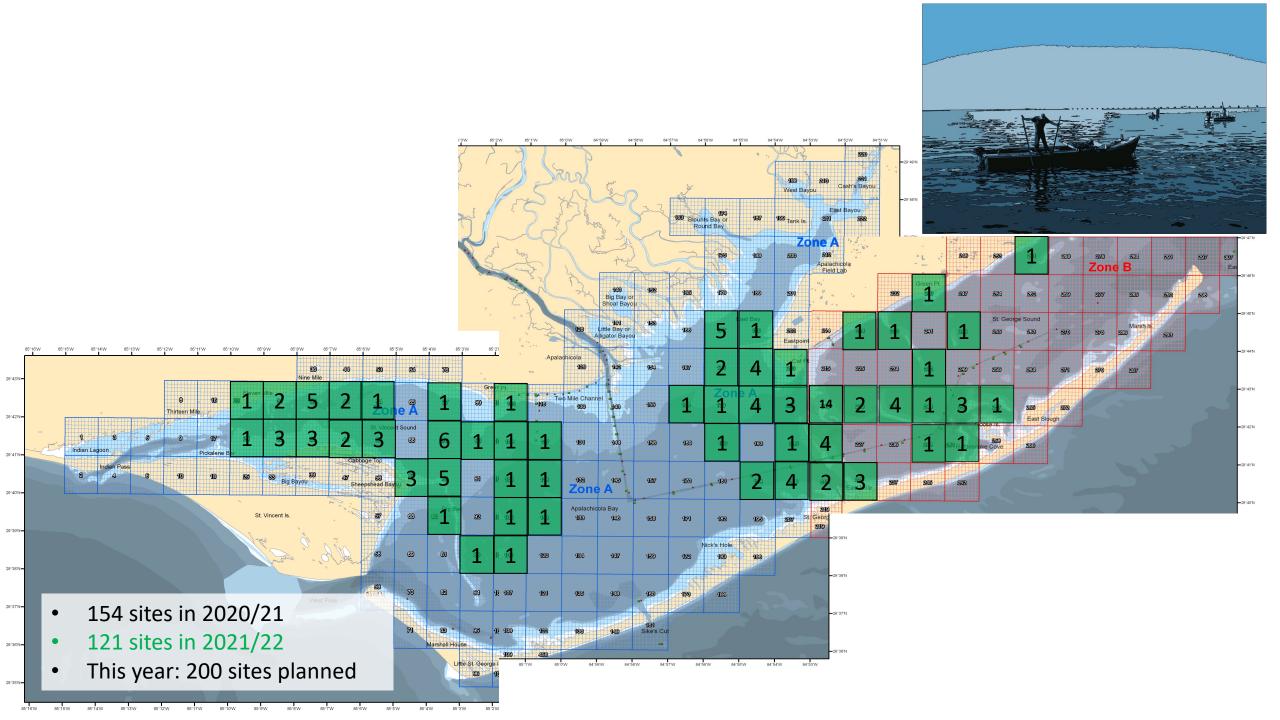
(Market >75mm; Seed 25-75mm; Spat <25mm)

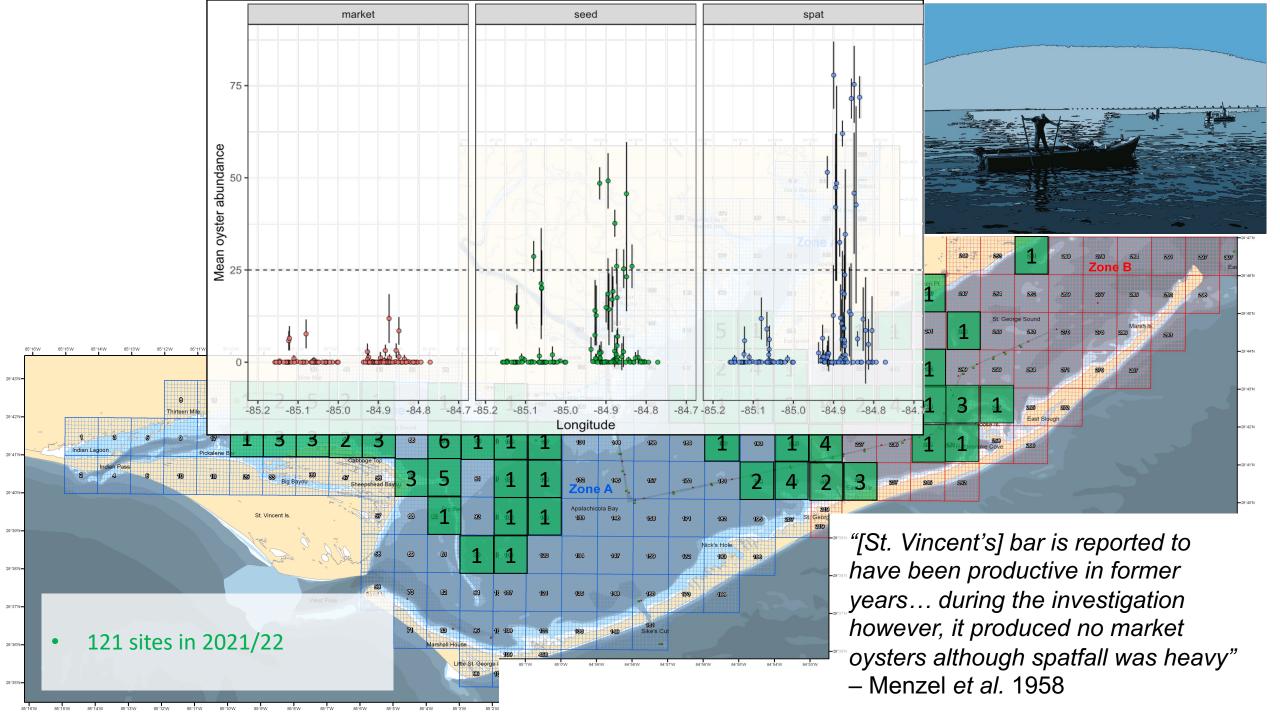
-Shell height of first 100 in each sample measured.



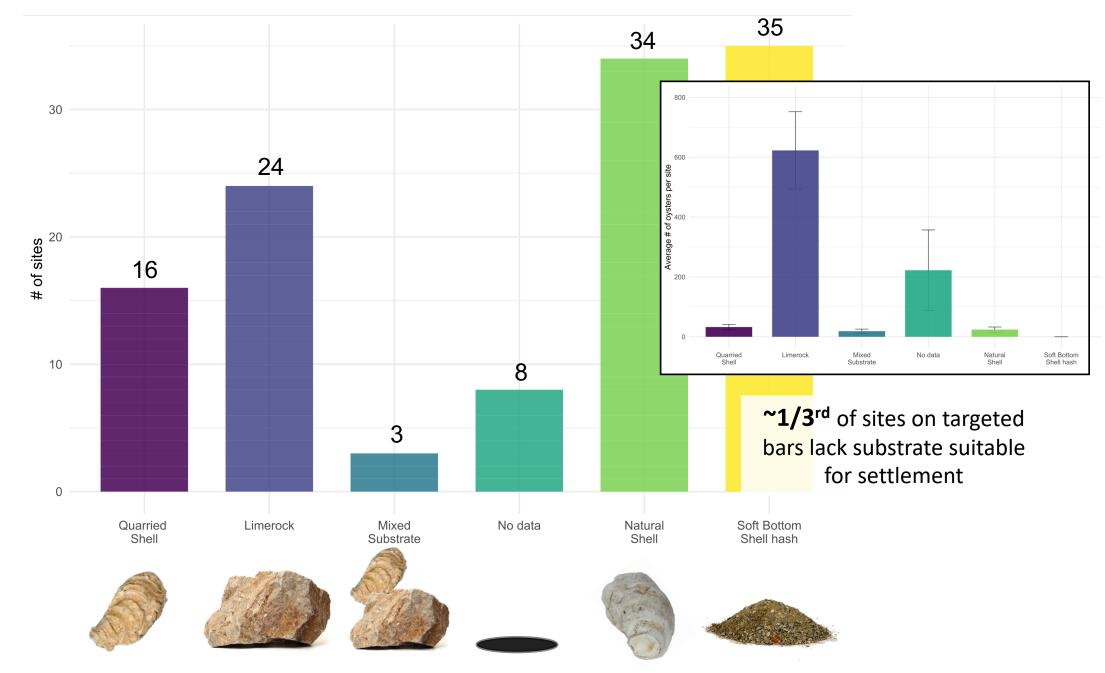




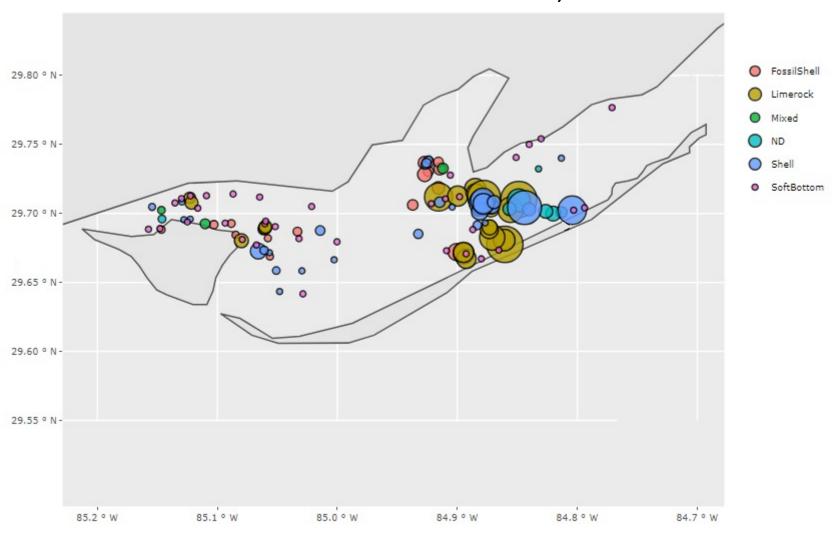




Available substrate at sites on targeted oyster bars.

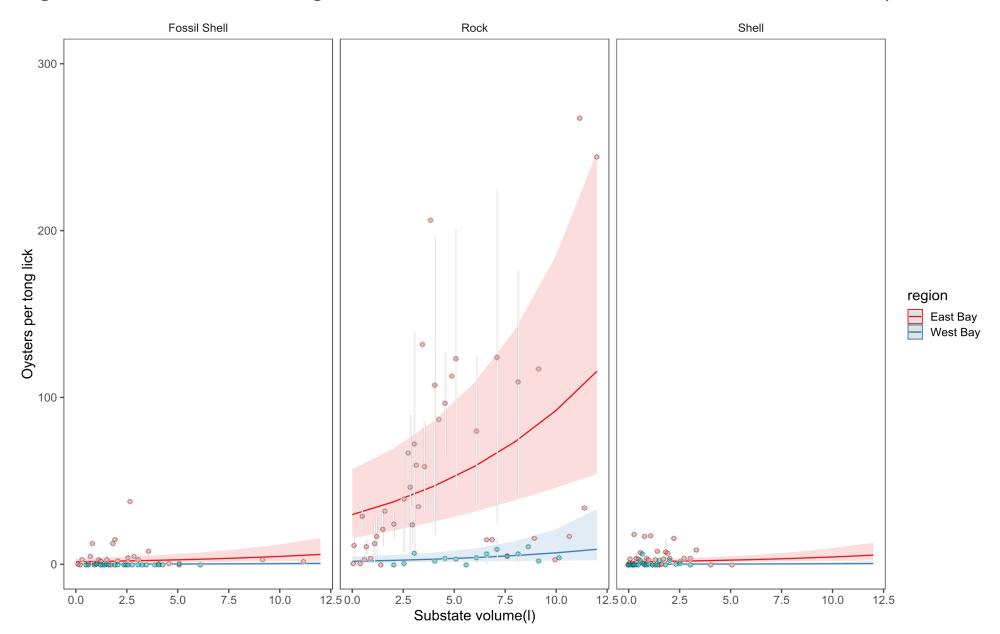


25 soft bottom sites on west; 15 on east

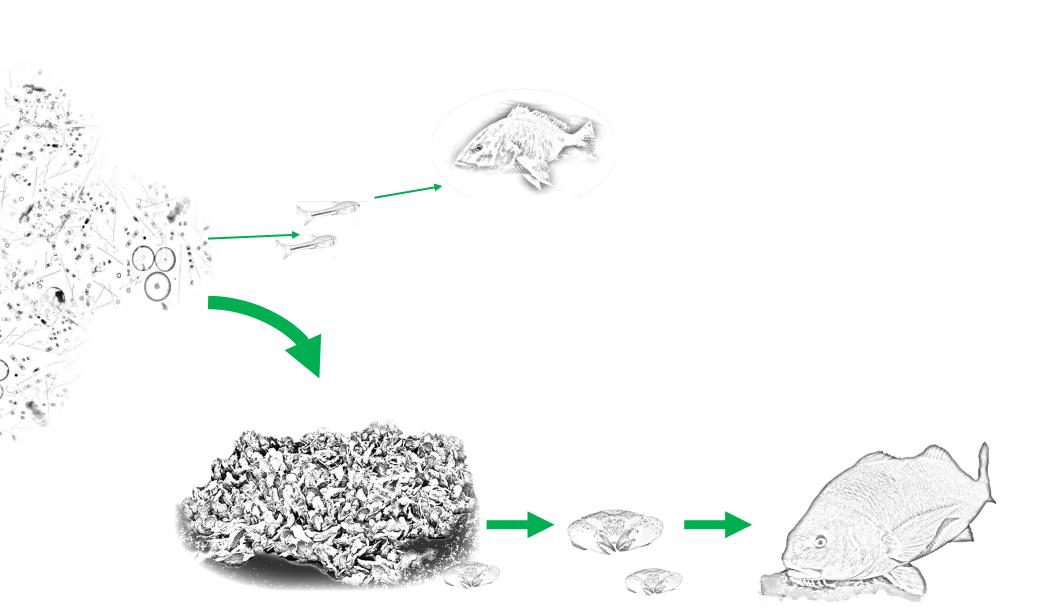


Tonging data also helps to inform potential restoration strategies.

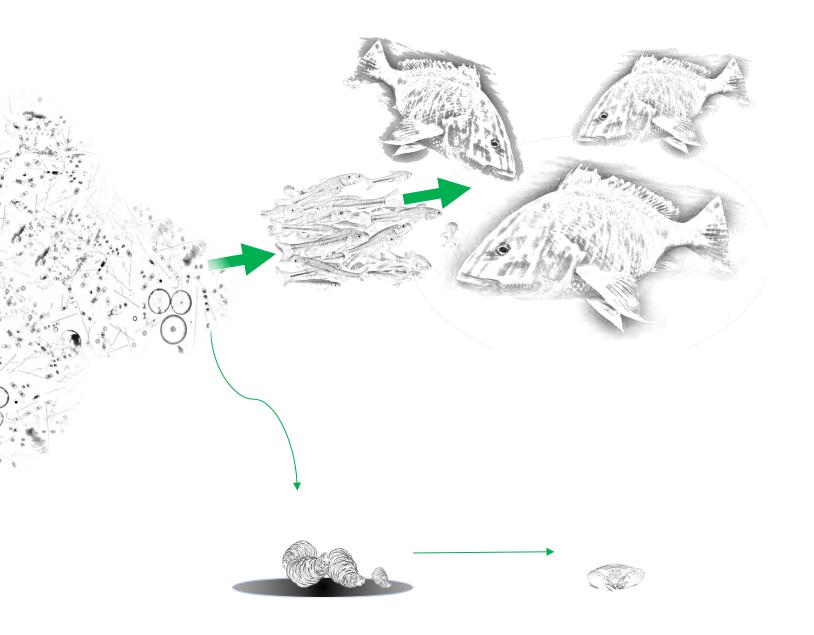
There is a strong interaction between region x cultch material x cultch volume on measured spat abundance.

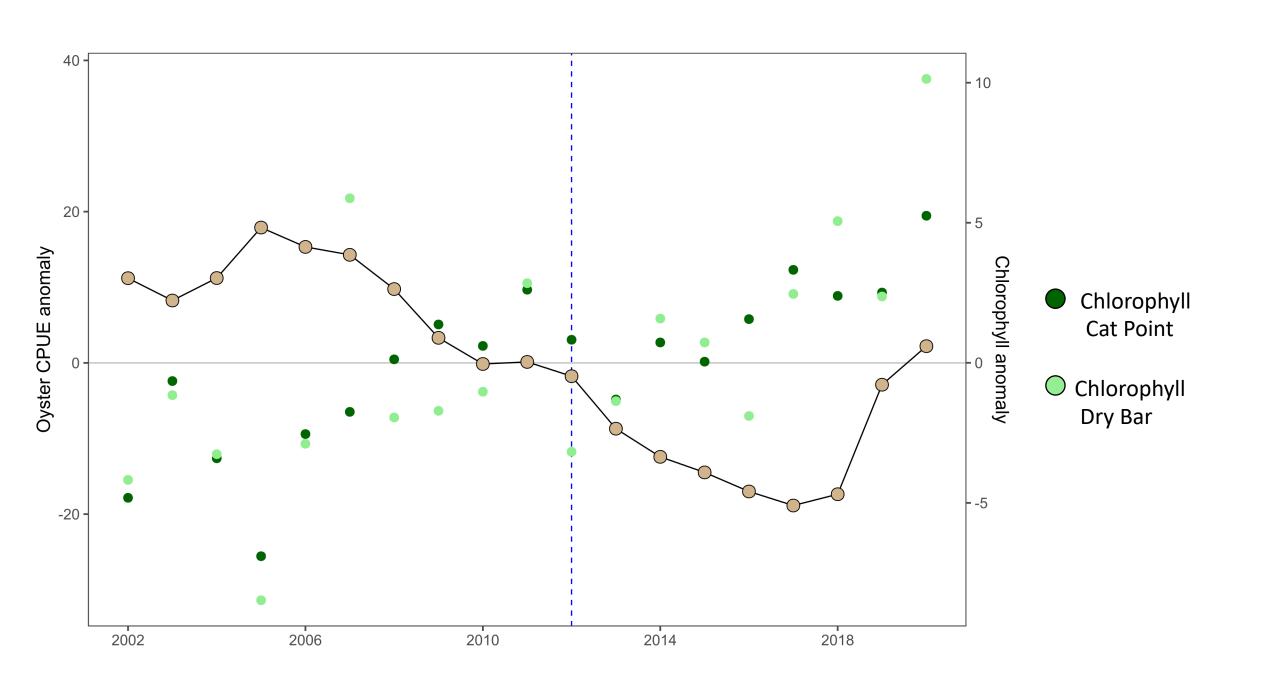


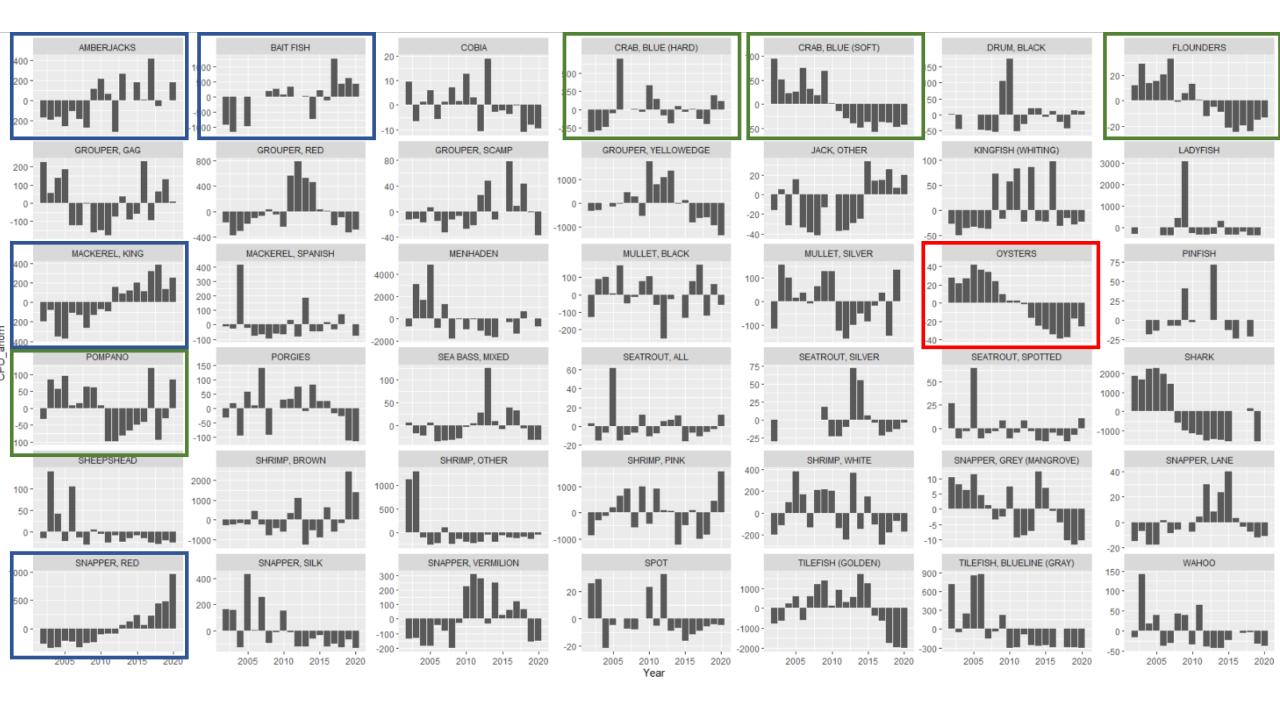
How is oyster decline impacting other species in the bay?

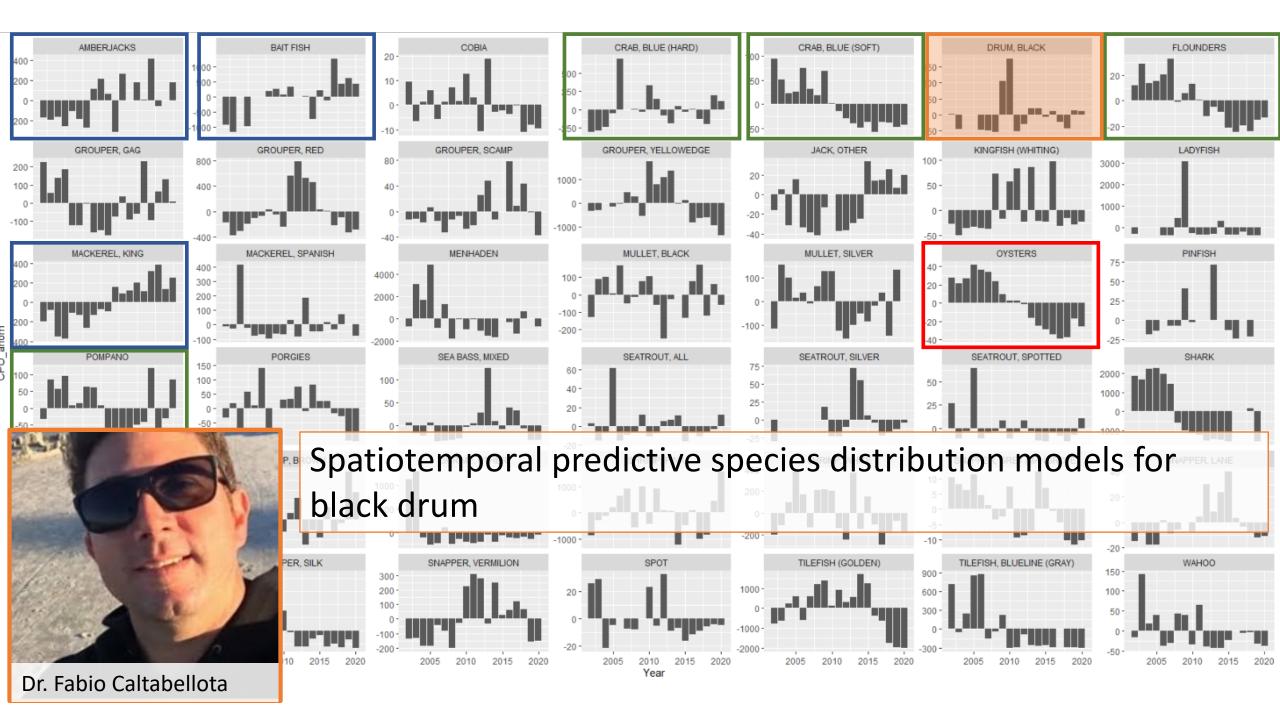


How is oyster decline impacting other species in the bay?









Questions?

