

Effects of Oysters on Water Quality in the Elkhorn Slough



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Research Question

How did the restoration of Olympia oysters affect the water quality in the Elkhorn Slough?

Ostrea lurida



Background & Data Sets Used

Selection of Buoy

EVMCI

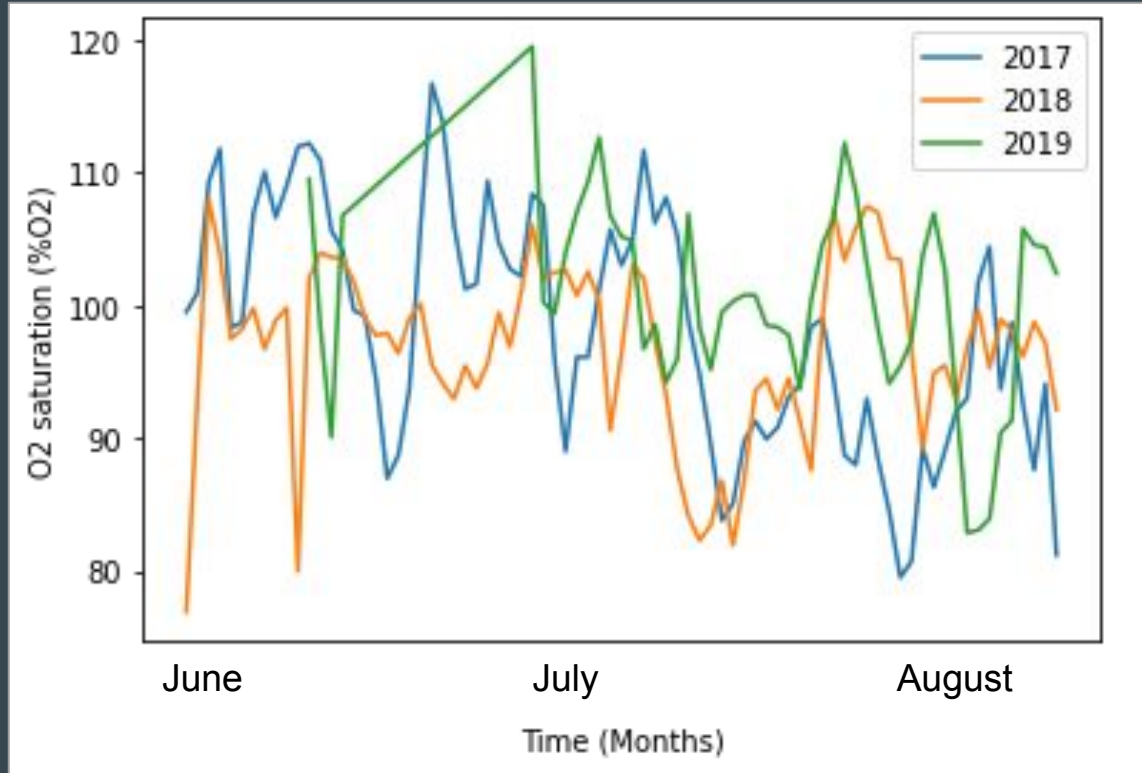
2018 oyster restoration

Oysters as a filter

Water quality guidelines

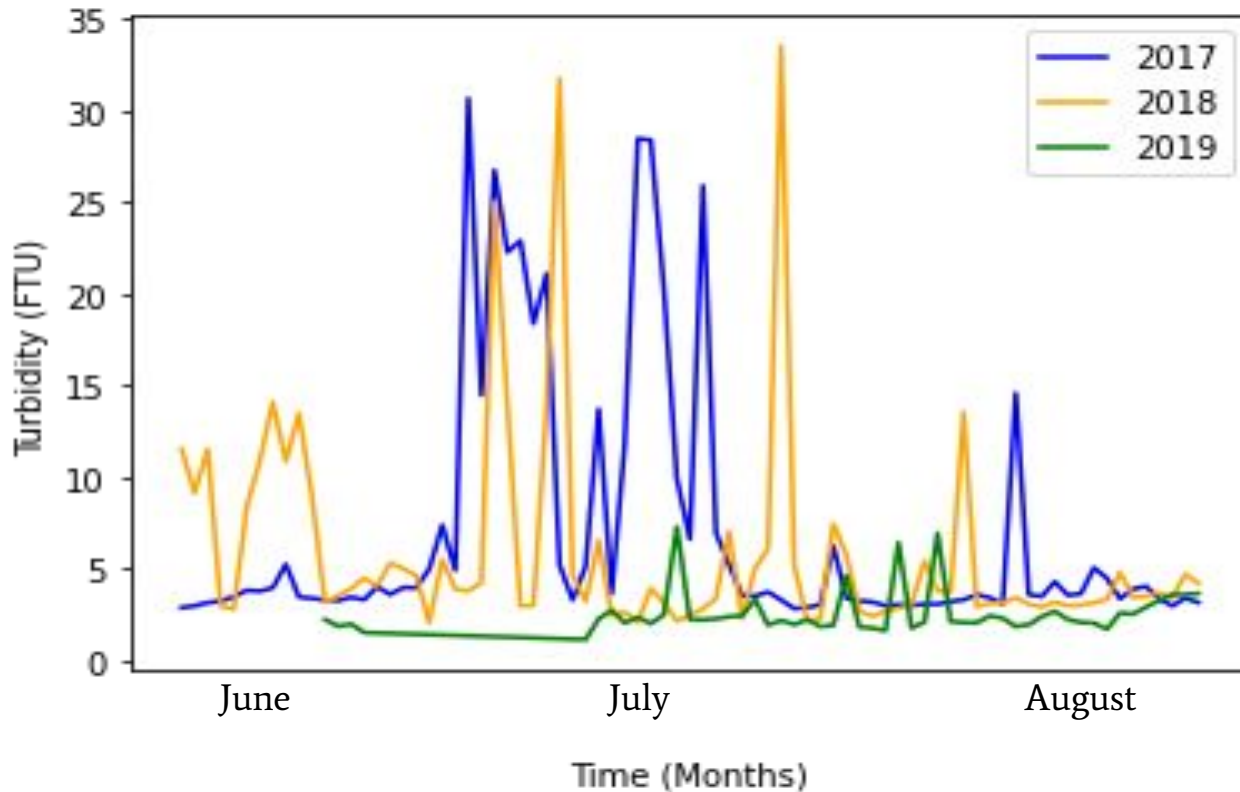


Analysis & Results - O₂ Saturation



Post-restoration shows potential increased oxygen saturation

Analysis & Results - Turbidity



Strong
decrease in
turbidity
post-
restoration

Implications & Future Research

- Needed to confirm success of restoration:
 - Oyster abundance
 - More years of data
 - Other restoration sites
- Future research to determine success in other types of ecosystems

Questions?

