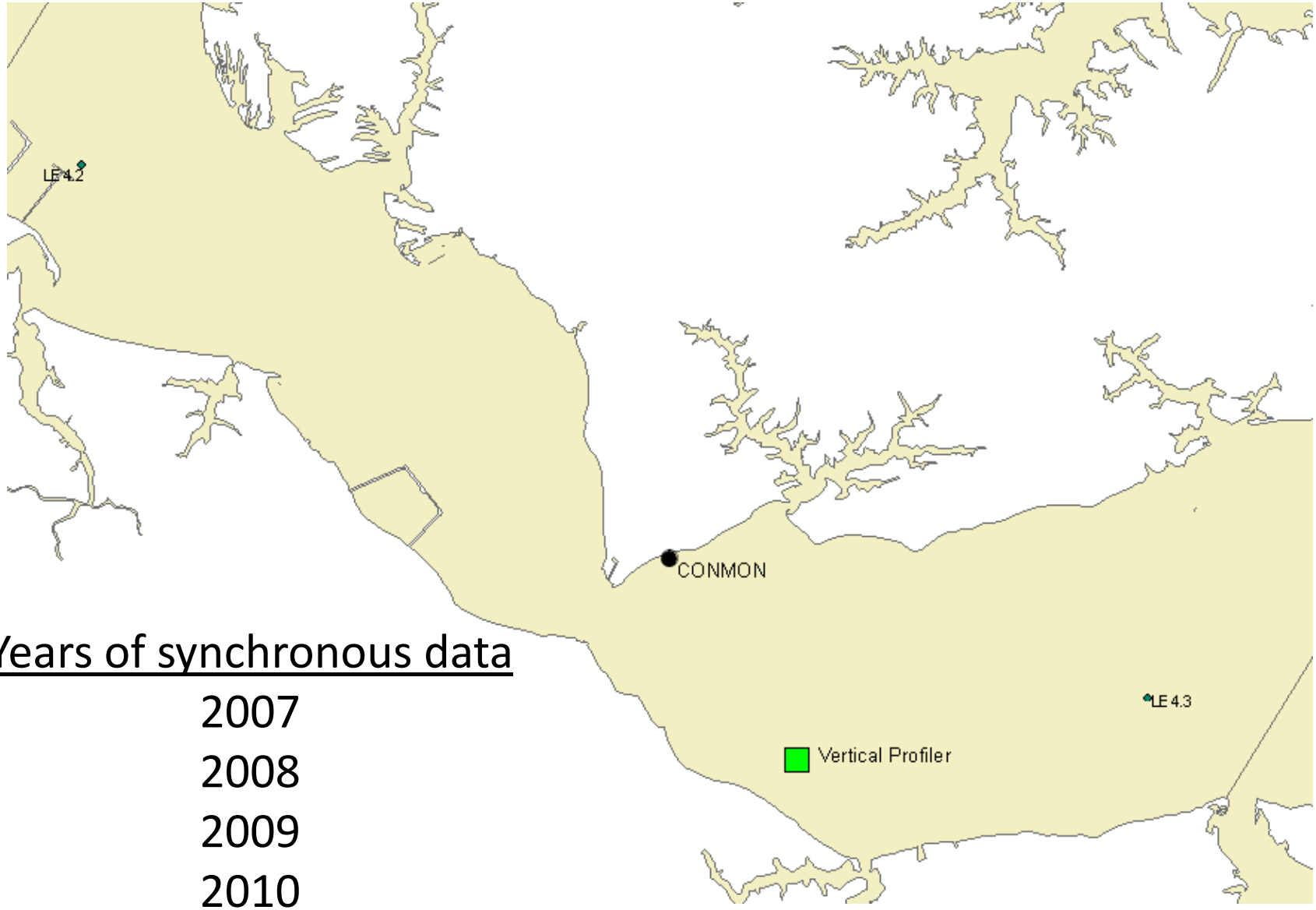
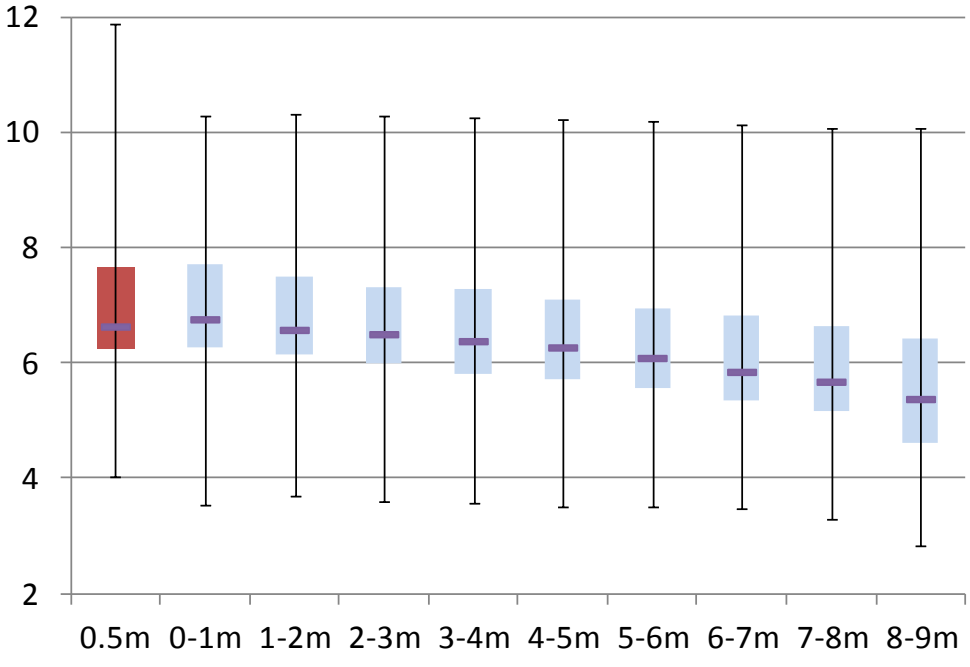
Is DO more variable in shallow/near-shore habitats compared to deeper/mid-channel habitats?

# Case #1: York PH




Years of synchronous data

2007
2008
2009
2010
2011

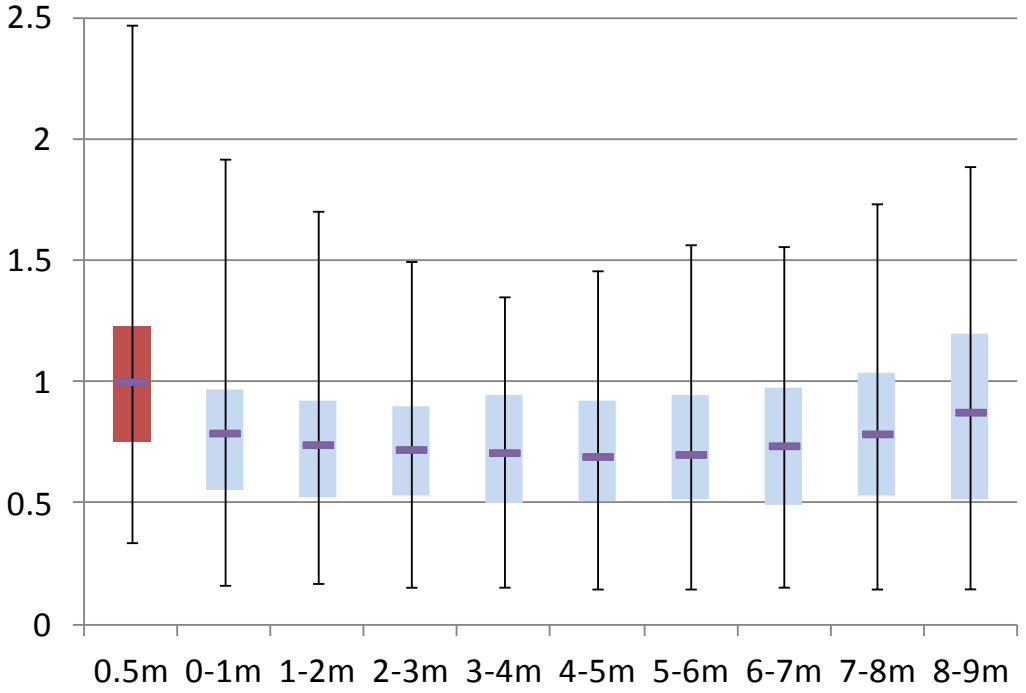



7-Day Means (n=107)

nearshore

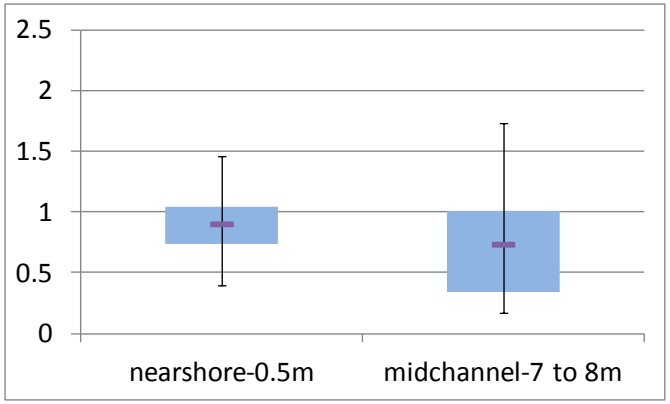
mid-channel

7-Day Standard Deviations (n=107)

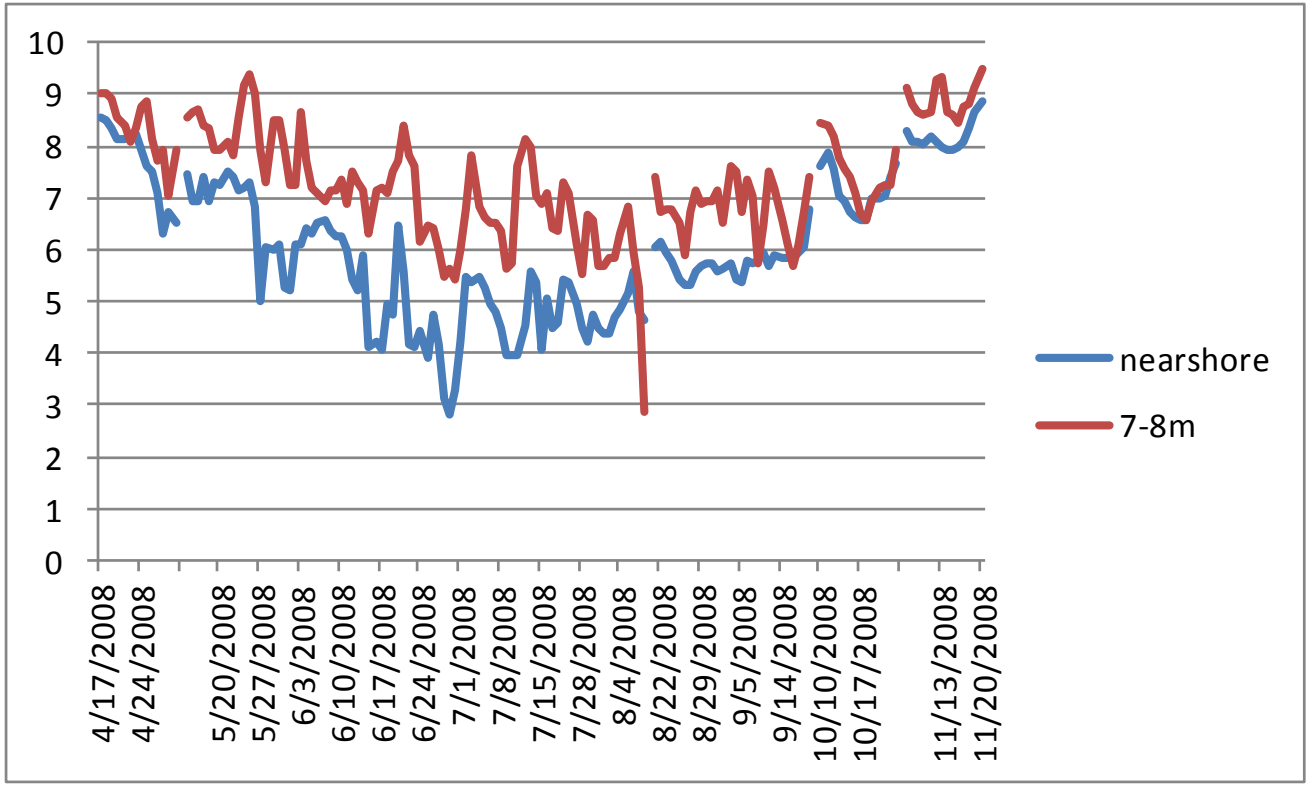


# YRKPH 2008

## 7-Day Standard Deviations (n=20)

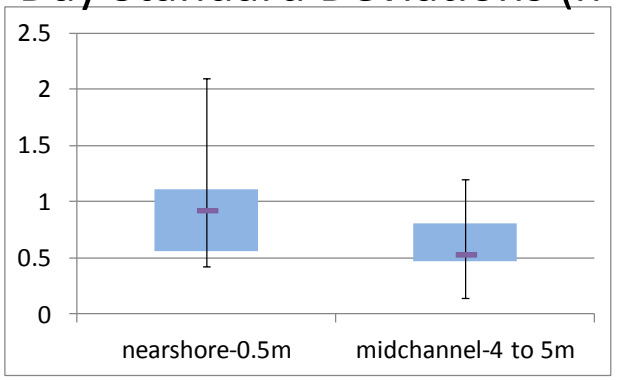



## Daily Mean DO

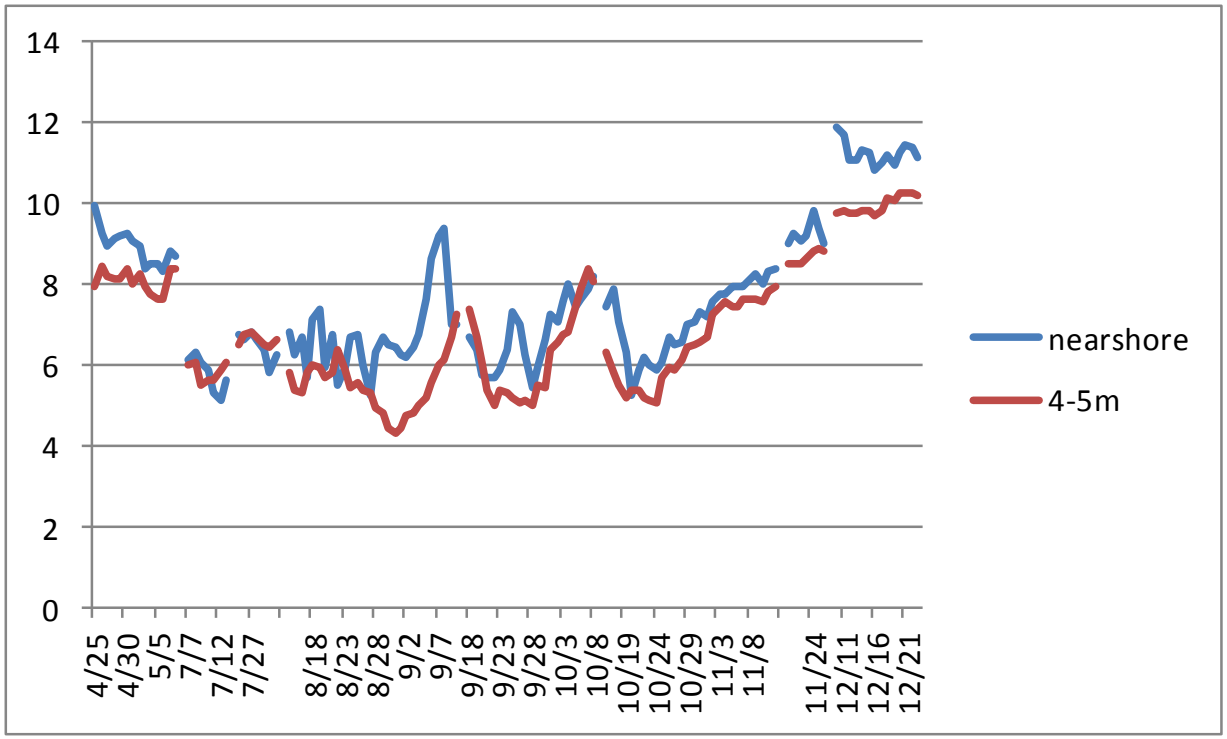


# YRKPH 2007

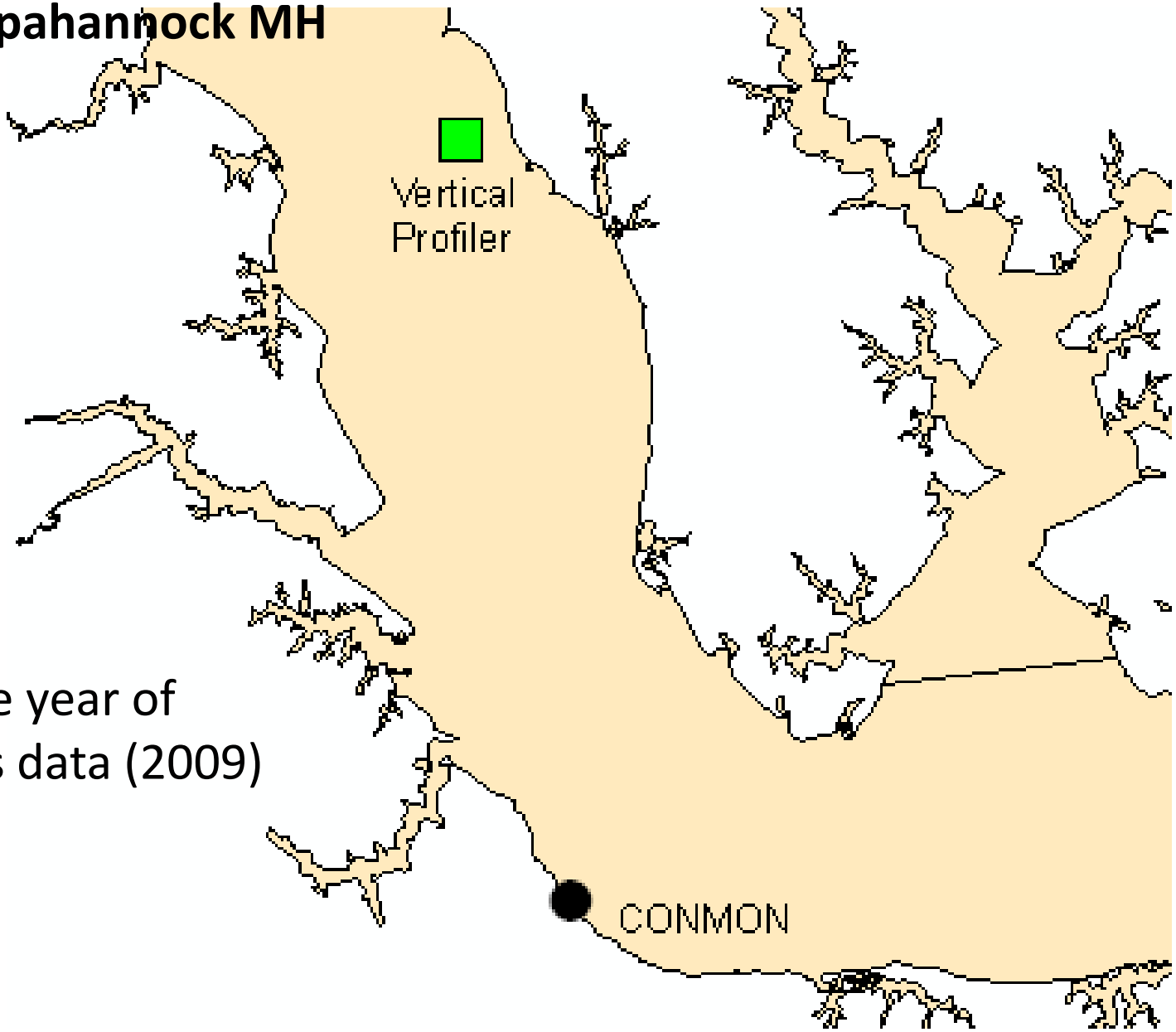
## 7-Day Standard Deviations (n=16)



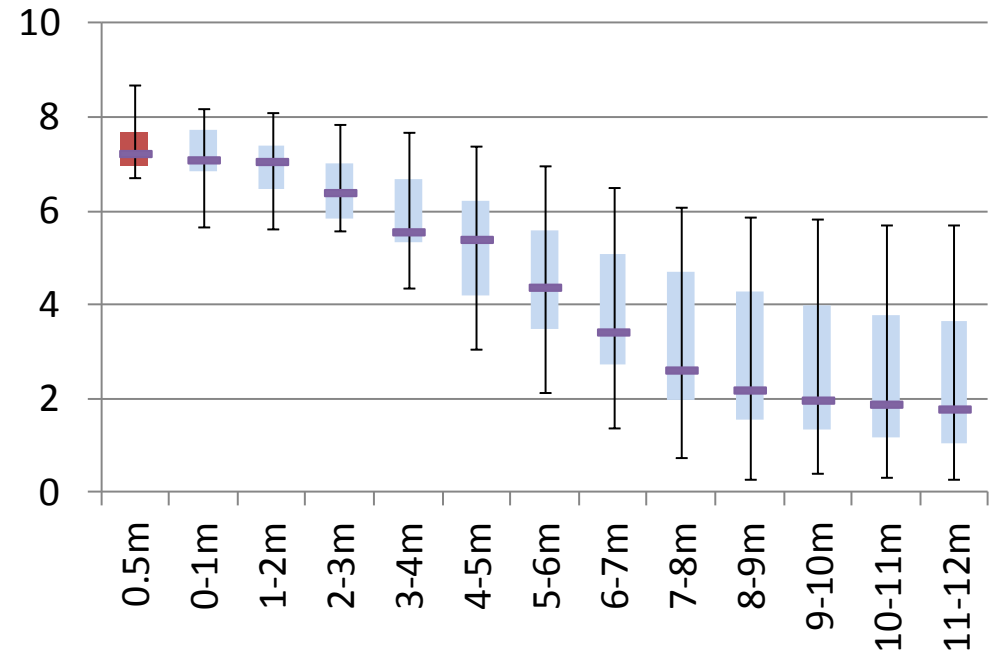

## Daily Mean DO



# Case #2: Rappahannock MH



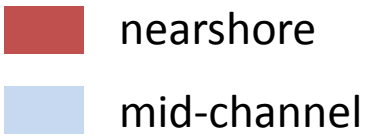

Only one year of synchronous data (2009)

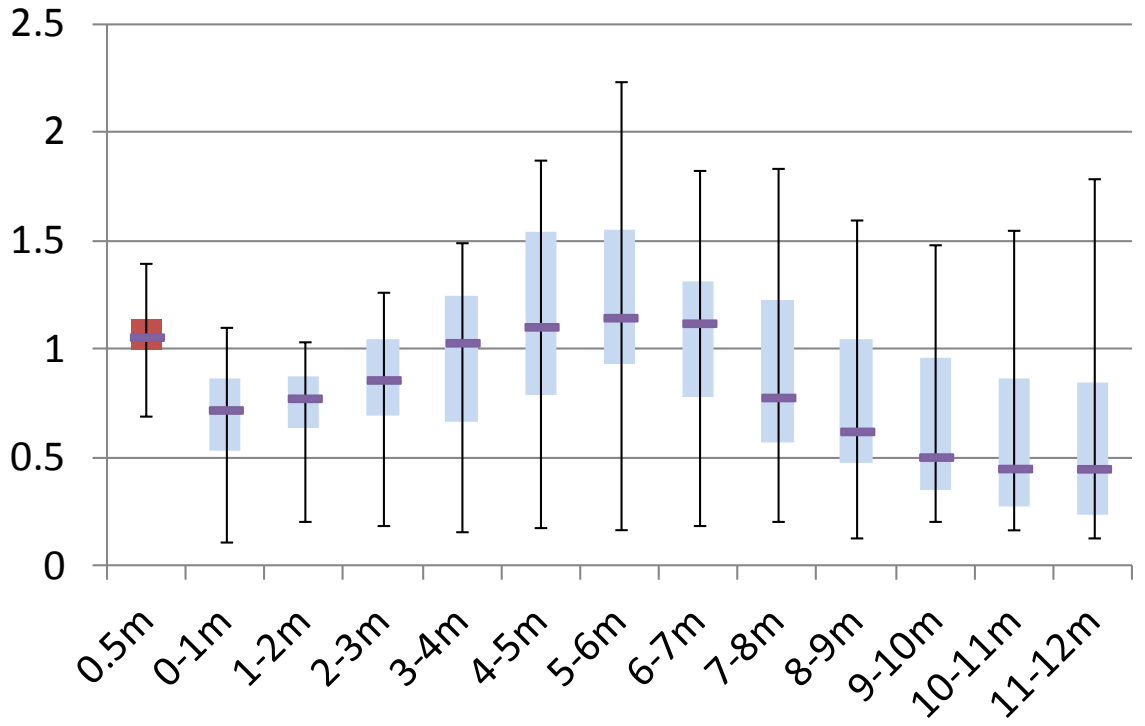



7-Day Means (n=16)

7-Day Standard Deviations (n=16)

RPPMH 2009



## Is DO in near-shore/shallow waters more variable than DO in mid-channel/deeper waters?

Yes, 7-day variability tends to be greater in shallow environments. But this likely breaks down when longer time scales are considered. Stratification may also complicate generalizations?