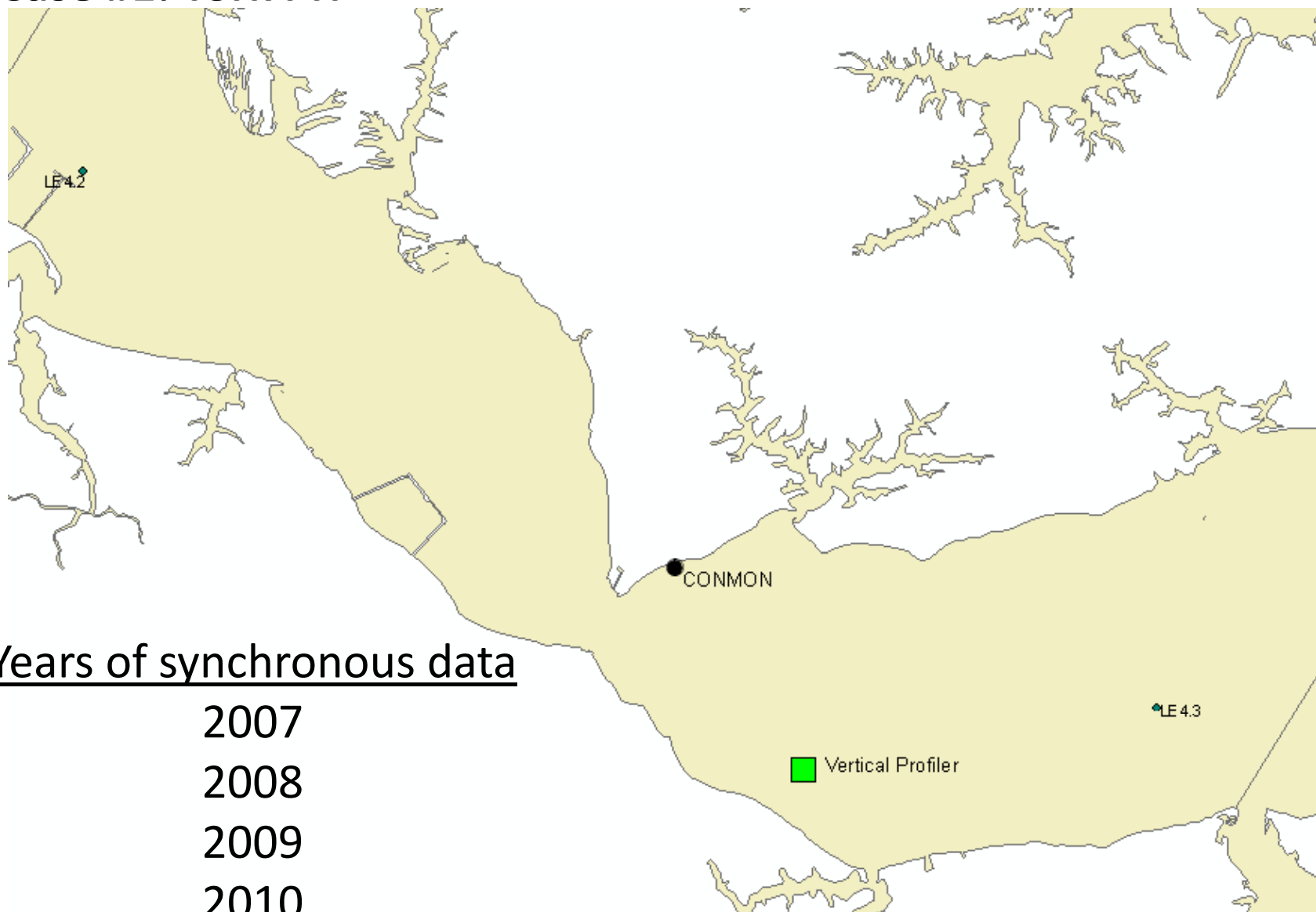


Is DO more variable in shallow/near-shore habitats
compared to deeper/mid-channel habitats?

Case #1: York PH



Years of synchronous data

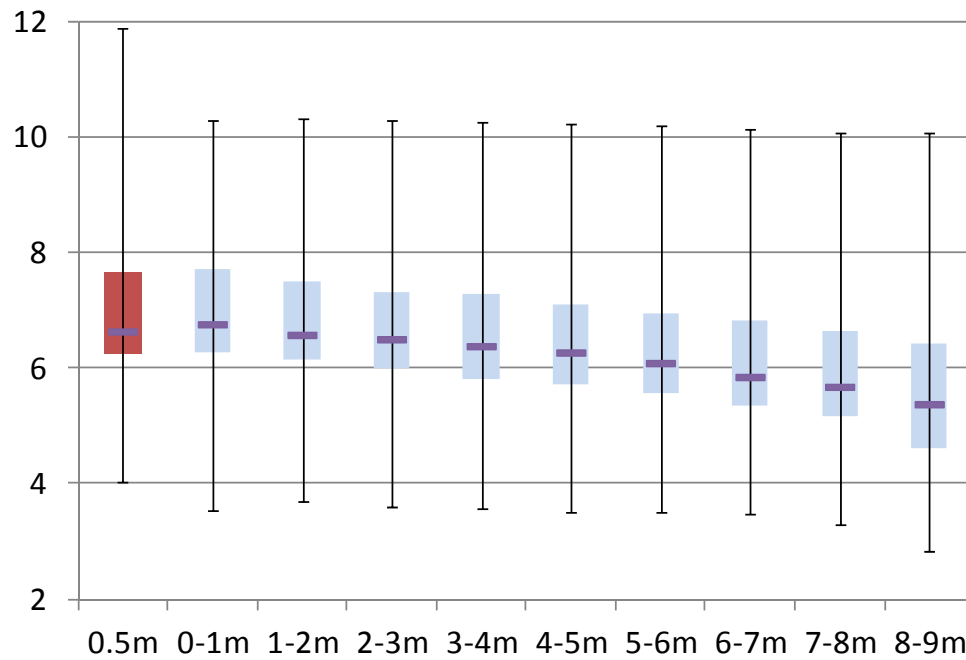
2007

2008

2009

2010

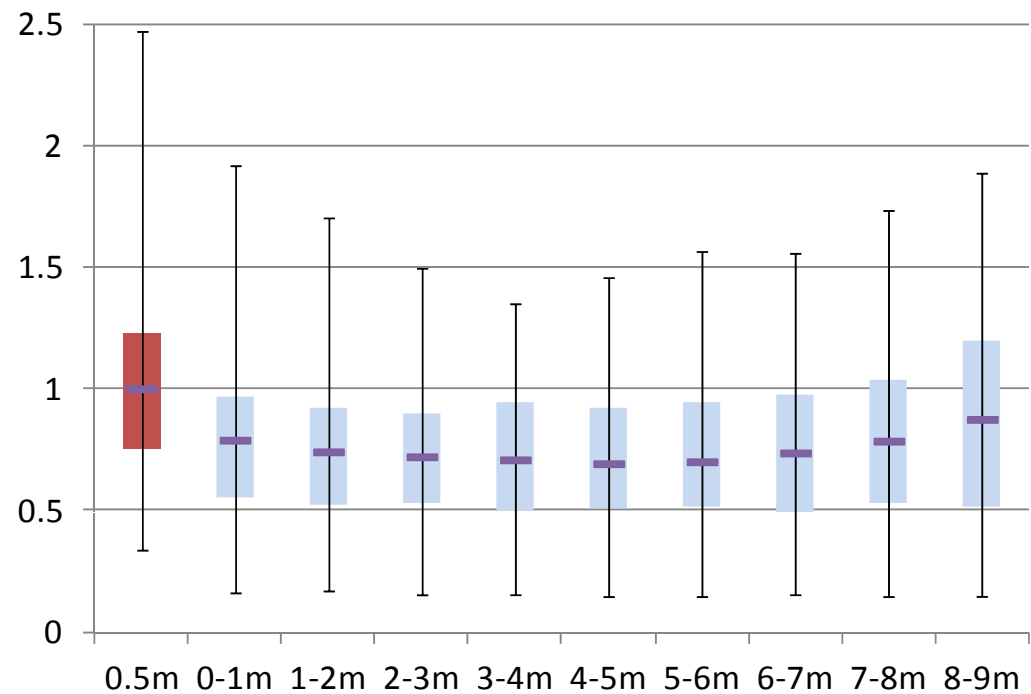
2011



7-Day Means (n=107)

nearshore
mid-channel

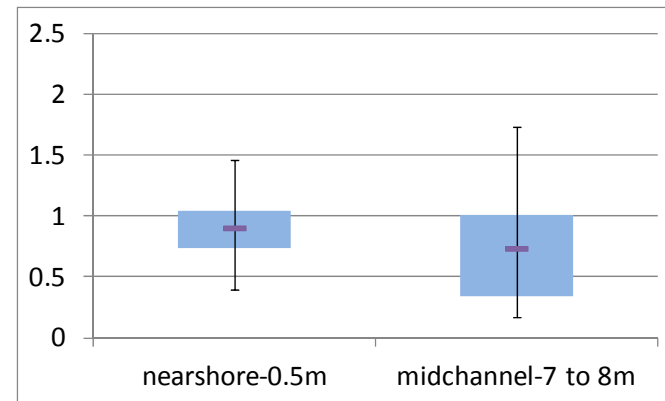
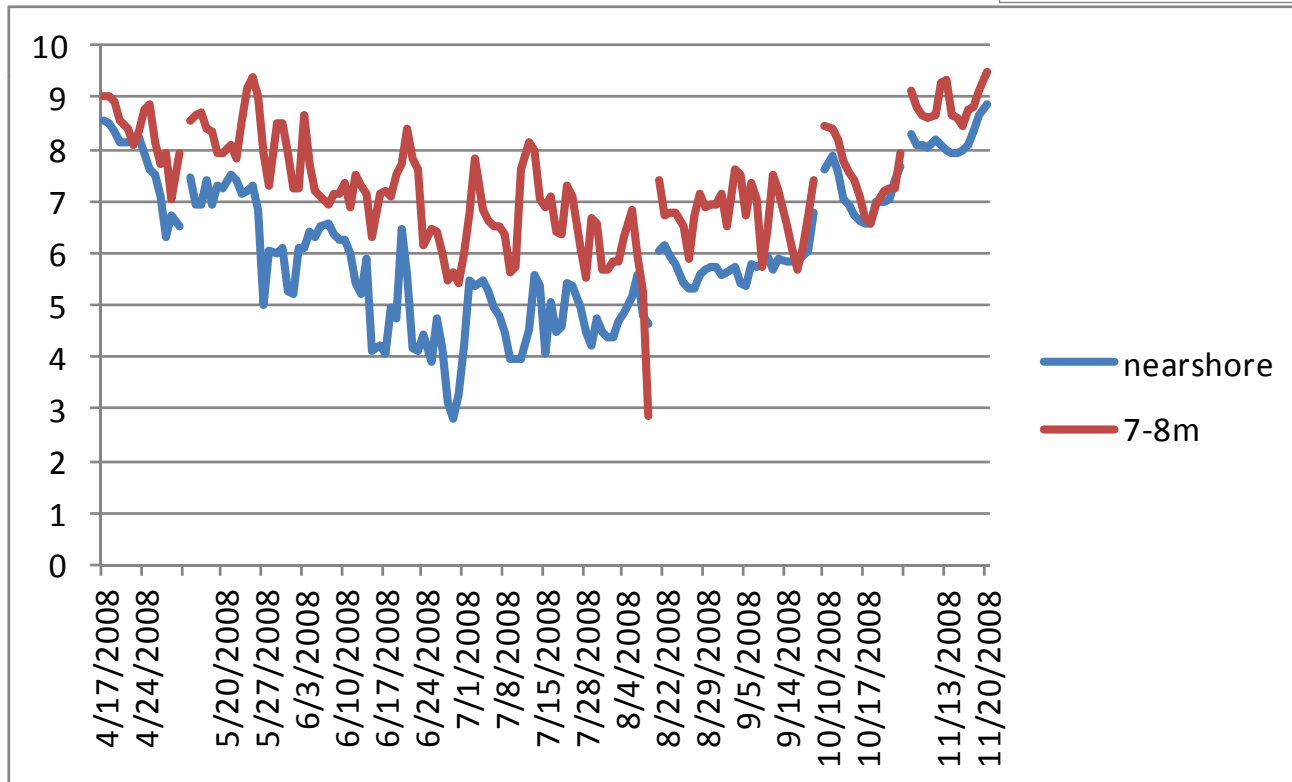
7-Day Standard Deviations (n=107)



YRKPH 2008

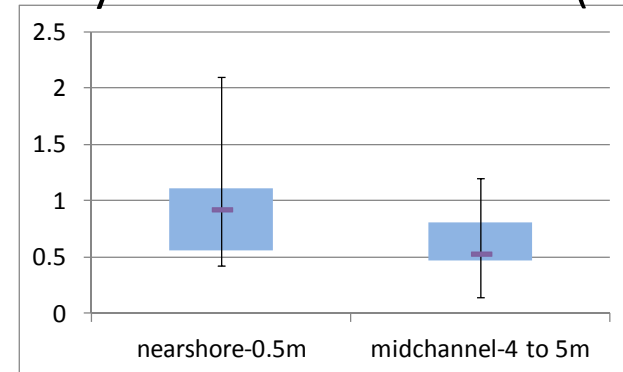
7-Day Standard Deviations (n=20)

Daily Mean DO

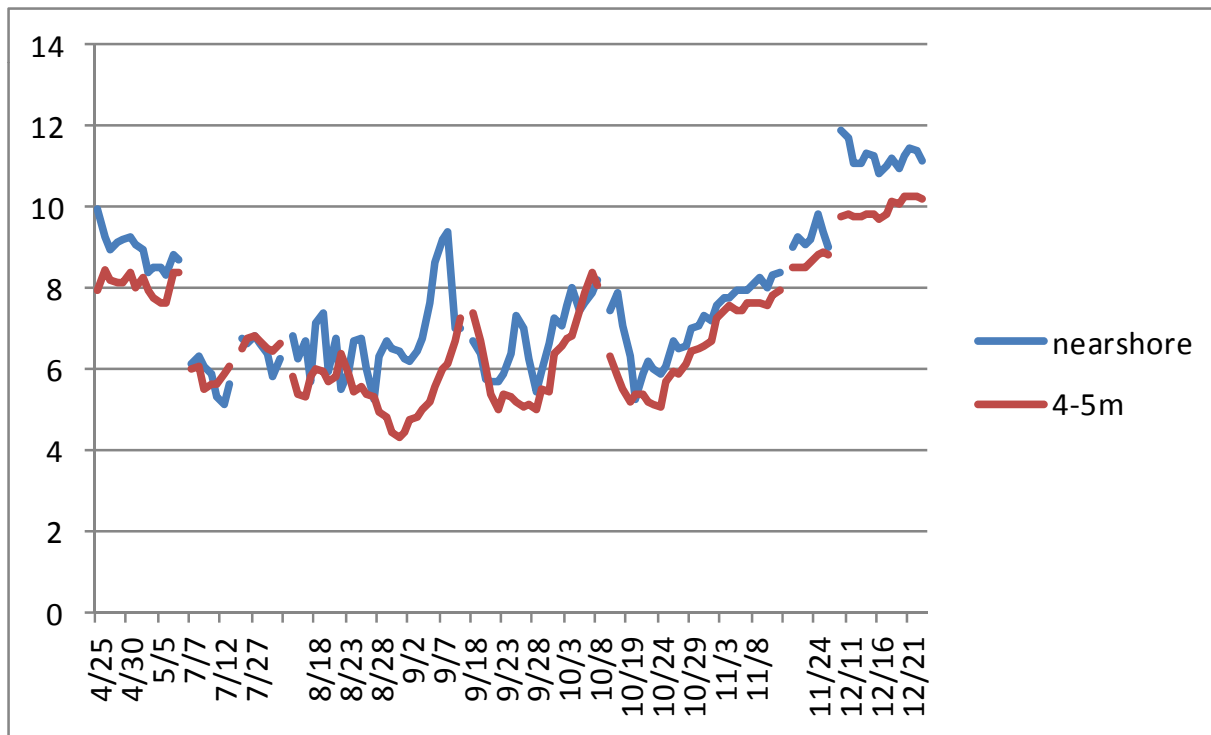


YRKPH 2007

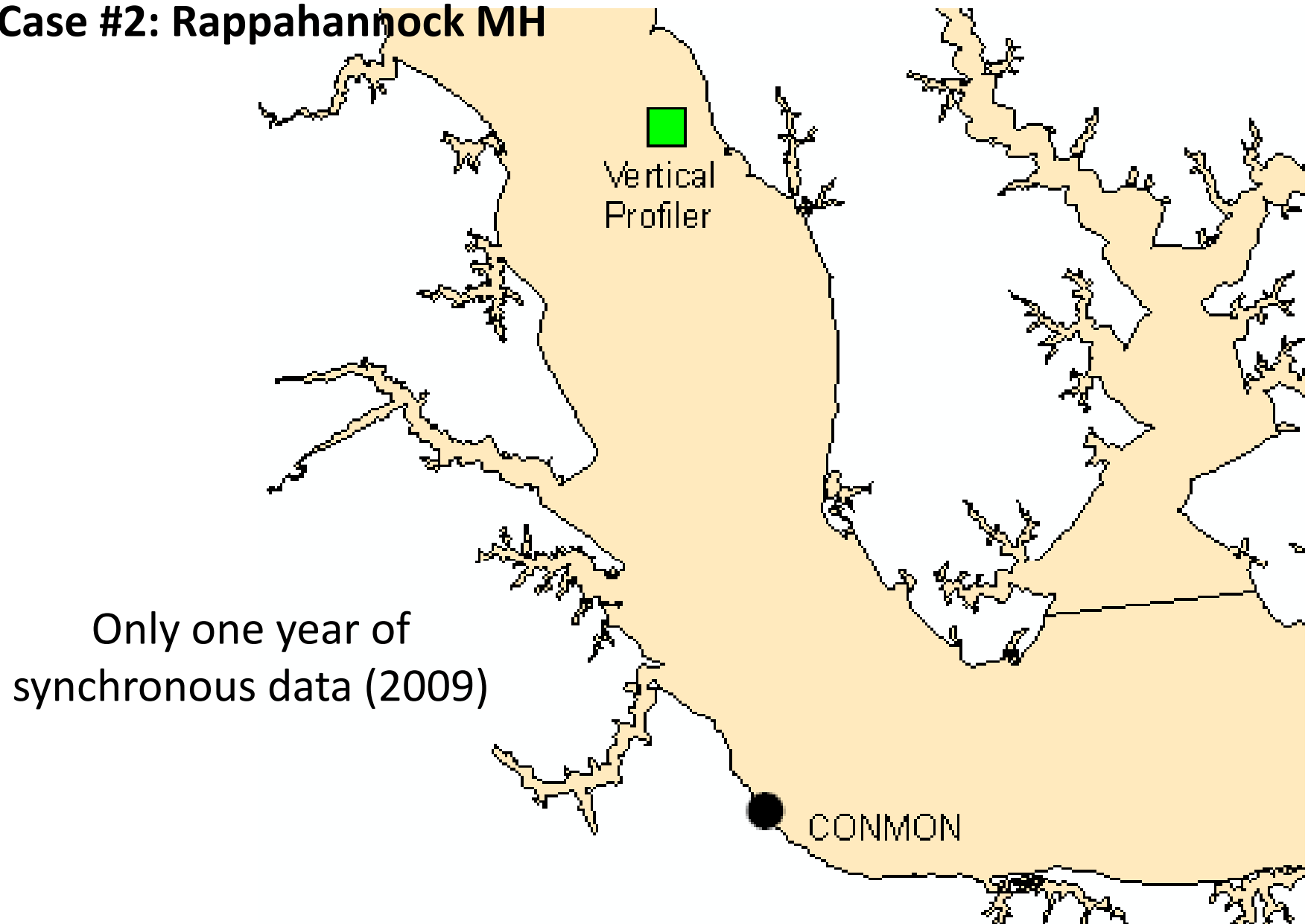
7-Day Standard Deviations (n=16)

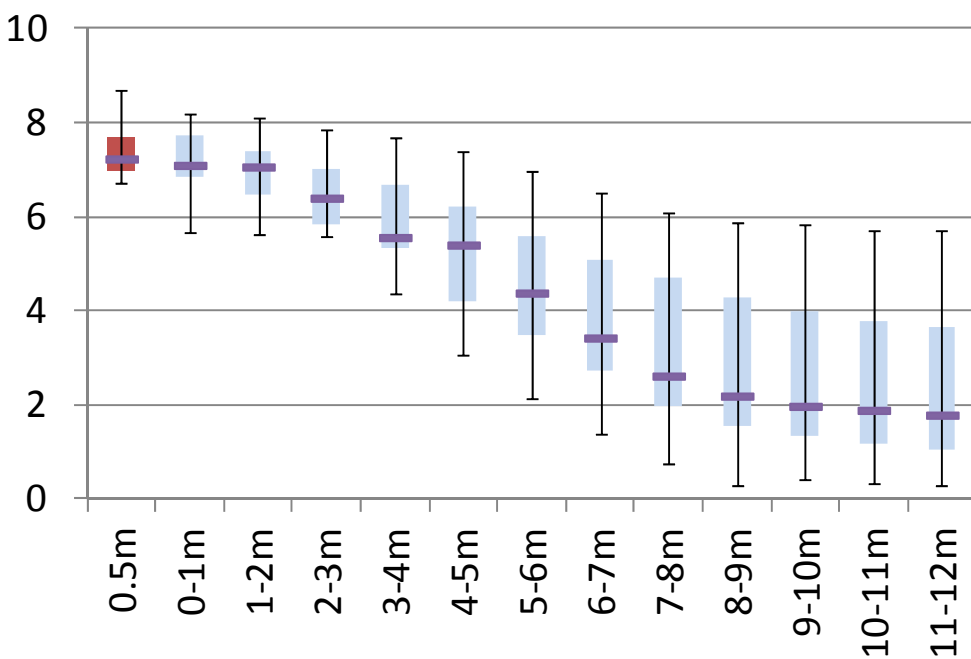


Daily Mean DO



Case #2: Rappahannock MH

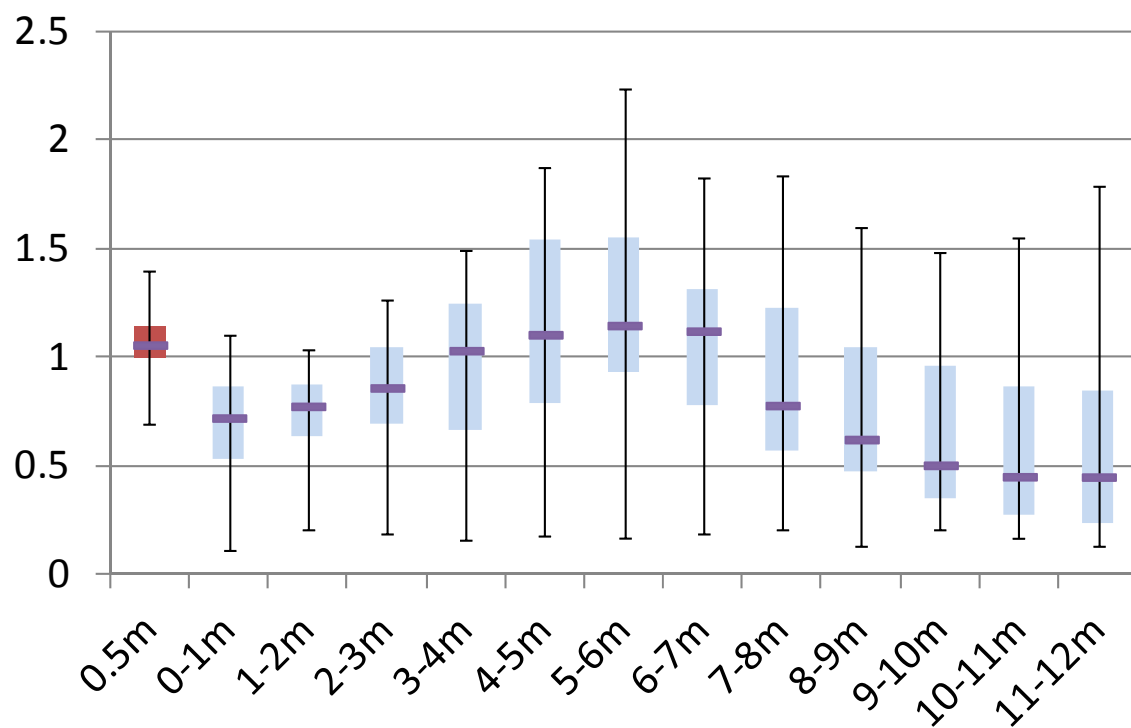




7-Day Standard Deviations (n=16)

RPPMH 2009

■ nearshore
■ mid-channel



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?