

Factors Influencing Trends in pH in the Wootton et al. (2008) Dataset

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Abstract

In this report, the dataset collected by Wootton at Tatoosh Island during 2000 through 2010 is analyzed to assess whether the apparent rapid decline in the pH data can be explained by other more localized processes. Specifically, we focused on the role of river discharge on pH levels at Tatoosh Island. In addition, we analyzed temporal trends in another long-term dataset collected in Yaquina Estuary, Oregon, to assess whether it is appropriate to extrapolate the long-term temporal trend observed at Tatoosh Island over a larger region.