

## Accepted Manuscript

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PII: S0016-6995(17)30086-4  
DOI: <https://doi.org/doi:10.1016/j.geobios.2018.02.007>  
Reference: GEOBIO 813

To appear in: *Geobios*

Received date: 27-5-2017  
Accepted date: 15-2-2018

Please cite this article as: Ferguson, S., Warny, S., Anderson, J.B., Simms, A.R., Escarguel, G., Holocene vegetation and climate evolution of Corpus Christi and Trinity bays: implications on coastal Texas source-to-sink deposition, *Geobios* (2018), <https://doi.org/10.1016/j.geobios.2018.02.007>

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## Holocene vegetation and climate evolution of Corpus Christi and Trinity bays: implications on coastal Texas source-to-sink deposition <sup>\*</sup>

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### Abstract

The Texas coastline stretches 595 km across almost 4° of latitude and is home to diverse coastal vegetation assemblages, yet only a handful of studies have documented the climate and vegetative change of this region through the Holocene. We provide a detailed palynological record of Holocene climate for coastal Texas, based upon three subaqueous sediment cores from Corpus Christi Bay and Trinity Bay. Cluster analysis and correspondence analysis were used to investigate changes in palynological assemblages through time within each core. Common to both bays are nonarboreal taxa including

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