

## Supplemental Table S4 References

- Booth, R. K., Rich, F. J., Bishop, G. A., & Brannen, N. A. (1999). Evolution of a freshwater barrier-island marsh in coastal Georgia, USA. *WETLANDS*, 19(3), 570–577.
- Cripps, R. M. (2009). *Past responses to climate change: Reconstruction of vegetation histories in three brackish marshes*. The University of Alabama.
- Donnelly, J P, & Bertness, M. D. (2001). Rapid shoreward encroachment of salt marsh cordgrass in response to accelerated sea-level rise. *Proceedings of the National Academy of Sciences of the United States of America*, 98(25), 14218–14223.  
<https://doi.org/10.1073/pnas.251209298>
- Donnelly, Jeffrey P. (2006). A Revised Late Holocene Sea-Level Record for Northern Massachusetts, USA. *Journal of Coastal Research*, 225(225), 1051–1061.  
<https://doi.org/10.2112/04-0207.1>
- Donnelly, Jeffrey P., Cleary, P., Newby, P., & Ettinger, R. (2004). Coupling instrumental and geological records of sea-level change: Evidence from southern New England of an increase in the rate of sea-level rise in the late 19th century. *Geophysical Research Letters*, 31(5), n/a-n/a. <https://doi.org/10.1029/2003GL018933>
- Donnelly, Jeffrey P, Butler, J., Roll, S., Wengren, M., & Webb, T. (2004). A backbarrier overwash record of intense storms from Brigantine , New Jersey. *Marine Geology*, 210, 107–121. <https://doi.org/10.1016/j.margeo.2004.05.005>
- Engelhart, S. E., & Horton, B. P. (2012). Holocene sea level database for the Atlantic coast of the United States. *Quaternary Science Reviews*, 54, 12–25.  
<https://doi.org/10.1016/j.quascirev.2011.09.013>
- Finkelstein, K., & Ferland, M. A. (1987). Back-barrier response to sea-level rise, eastern shore of Virginia. *The Society of Economic Paleontologists and Mineralogists*, 145–155.  
<https://doi.org/10.2110/pec.87.41.0145>
- Fletcher, C. H., Van Pelt, J. E., Brush, G. S., & Sherman, J. (1993). Tidal wetland record of holocene sea-level movements and climate history. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 102(3–4), 177–213. [https://doi.org/10.1016/0031-0182\(93\)90067-S](https://doi.org/10.1016/0031-0182(93)90067-S)
- Gardner, L., & Porter, D. (2001). Stratigraphy and geologic history of a southeastern salt marsh basin, North Inlet, South Carolina, USA. *Wetlands Ecology and Management*, (9), 371–385. Retrieved from <http://link.springer.com/article/10.1023/A%3A1012060408387>
- Gayes, P. T., Scott, D. B., Collins, E. S., & Nelson, D. D. (2012). A late holocene sea-level fluctuation in South Carolina. *Society for Sedimentary Geology*, 155–160.
- Gehrels, W. R., & Belknap, D. F. (1993). Neotectonic history of eastern Maine evaluated from historic sea-level data and 14 C dates on salt-marsh peats. *Geology*, 21(7), 615–618.  
[https://doi.org/10.1130/0091-7613\(1993\)021<0615:NHOEME>2.3.CO;2](https://doi.org/10.1130/0091-7613(1993)021<0615:NHOEME>2.3.CO;2)
- Gehrels, W. Roland. (1999). Middle and late Holocene sea-level changes in eastern Maine reconstructed from foraminiferal saltmarsh stratigraphy and AMS 14 C dates on basal peat. *Quaternary Research*, 52(3), 350–359. <https://doi.org/10.1006/qres.1999.2076>

- Gehrels, W. Roland, Belknap, D. F., Black, S., & Newnham, R. M. (2002). Rapid sea-level rise in the Gulf of Maine, USA, since AD 1800. *The Holocene*, *12*(4), 383–389. <https://doi.org/10.1191/0959683602h1555ft>
- Gehrels, W. Roland, Belknap, D. F., & Kelley, J. T. (1996). Integrated high-precision analyses of Holocene relative sea-level changes: Lessons from the coast of Maine. *Bulletin of the Geological Society of America*, *108*(9), 1073–1088. [https://doi.org/10.1130/0016-7606\(1996\)108<1073:IHPAOH>2.3.CO;2](https://doi.org/10.1130/0016-7606(1996)108<1073:IHPAOH>2.3.CO;2)
- Gunnell, J. R., Rodriguez, A. B., & McKee, B. A. (2013). How a marsh is built from the bottom up. *Geology*, *41*(8), 859–862. <https://doi.org/10.1130/G34582.1>
- Hilgartner, W., & Brush, G. (2006). Prehistoric habitat stability and post-settlement habitat change in a Chesapeake Bay freshwater tidal wetland, USA. *The Holocene*. <https://doi.org/10.1191/0959683606h1938rp>
- Hippensteel, S. P., & Martin, R. E. (1999). Foraminifera as an indicator of overwash deposits, Barrier Island sediment supply, and Barrier Island evolution: Folly Island, South Carolina. *Palaeogeography, Palaeoclimatology, Palaeoecology*, *149*(1–4), 115–125. [https://doi.org/10.1016/S0031-0182\(98\)00196-5](https://doi.org/10.1016/S0031-0182(98)00196-5)
- Horton, B. P., Peltier, W. R., Culver, S. J., Drummond, R., Engelhart, S. E., Kemp, a. C., ... Thomson, K. H. (2009). Holocene sea-level changes along the North Carolina Coastline and their implications for glacial isostatic adjustment models. *Quaternary Science Reviews*, *28*(17–18), 1725–1736. <https://doi.org/10.1016/j.quascirev.2009.02.002>
- Johnson, B. J., Moore, K. a., Lehmann, C., Bohlen, C., & Brown, T. a. (2007). Middle to late Holocene fluctuations of C3 and C4 vegetation in a Northern New England Salt Marsh, Sprague Marsh, Phippsburg Maine. *Organic Geochemistry*, *38*(3), 394–403. <https://doi.org/10.1016/j.orggeochem.2006.06.006>
- Kelley, J. T., Gehrels, W. R., & Belknap, D. F. (2017). Late Holocene Relative Sea-Level Rise and the Geological Development of Tidal Marshes at Wells, Maine, U.S.A. *Journal of Coastal Research*, *11*(1), 136–153.
- Kemp, A. C., Horton, B. P., Culver, S. J., Corbett, D. R., van de Plassche, O., Gehrels, W. R., ... Parnell, A. C. (2009). Timing and magnitude of recent accelerated sea-level rise (North Carolina, United States). *Geology*, *37*(11), 1035–1038. <https://doi.org/10.1130/G30352A.1>
- Kemp, Andrew C., Hawkes, A. D., Donnelly, J. P., Vane, C. H., Horton, B. P., Hill, T. D., ... Cahill, N. (2015). Relative sea-level change in Connecticut (USA) during the last 2200 yrs. *Earth and Planetary Science Letters*, *428*, 217–229. <https://doi.org/10.1016/j.epsl.2015.07.034>
- Kemp, Andrew C., Kegel, J. J., Culver, S. J., Barber, D. C., Mallinson, D. J., Leorri, E., ... Horton, B. P. (2017). Extended late Holocene relative sea-level histories for North Carolina, USA. *Quaternary Science Reviews*, *160*, 13–30. <https://doi.org/10.1016/j.quascirev.2017.01.012>
- Kirwan, M. L., Murray, A. B., Donnelly, J. P., & Corbett, D. R. (2011). Rapid wetland expansion during European settlement and its implication for marsh survival under modern sediment

delivery rates. *Geology*, 39(5), 507–510.

- Madsen, A. T., Duller, G. A. T., Donnelly, J. P., Roberts, H. M., & Wintle, A. G. (2009). A chronology of hurricane landfalls at Little Sippewissett Marsh, Massachusetts, USA, using optical dating. *Geomorphology*, 109(1–2), 36–45. <https://doi.org/10.1016/j.geomorph.2008.08.023>
- Mattheus, C., Rodriguez, A., McKee, B. A., & Currin, C. (2010). Impact of land-use change and hard structures on the evolution of fringing marsh shorelines. *Estuarine, Coastal and Shelf Science*, 88(3), 365–376. <https://doi.org/10.1016/j.ecss.2010.04.016>
- Montane, J. M. (2007). *Geographical and stratigraphic analysis of a Southeastern salt marsh, North Inlet, SC*. Florida International University.
- Nikitina, D. L., Pizzuto, J. E., Schwimmer, R. A., & Ramsey, K. W. (2000). An updated Holocene sea-level curve for the Delaware coast. *Marine Geology*, 171(1–4), 7–20. [https://doi.org/10.1016/S0025-3227\(00\)00104-3](https://doi.org/10.1016/S0025-3227(00)00104-3)
- Orson, R. A., Warren, R. S., & Niering, W. A. (1987). Development of a tidal marsh in New England. *Estuaries*, 10(1), 20–27.
- Pardi, R., & Newman, E. R. (1980). Queens College radiocarbon measurements III. *Radiocarbon*, 22(4), 1073–1083.
- Pardi, R. R., Tomecek, L., & Newman, W. S. (1984). Queens College radiocarbon measurements IV. *Radiocarbon*, 26(3), 412–430.
- Redfield, A. (1972). Development of a New England Salt Marsh. *ECOLOGICAL MONOGRAPHS*, 42(2), 201–237.
- Scott, D. B., Collins, E. S., Gayes, P. T., & Wright, E. (2003). Records of prehistoric hurricanes on the South Carolina coast based on micropaleontological and sedimentological evidence, with comparison to other Atlantic Coast records. *Geological Society of America Bulletin*, 115(9), 1027. <https://doi.org/10.1130/B25011.1>
- Smith, R. P. (2009). *Historic Sediment Accretion Rates in a Louisiana Coastal Marsh and Implications for Sustainability*. Louisiana State University.
- Stuiver, M., Deevey, E. S., & Rouse, I. (1963). Yale natural radiocarbon measurements VIII. *Radiocarbon*, 5, 312–341.
- Törnqvist, T. E., González, J. L., Newsom, L. a., van der Borg, K., de Jong, A. F. M., & Kurnik, C. W. (2004). Deciphering Holocene sea-level history on the U.S. Gulf Coast: A high-resolution record from the Mississippi Delta. *Geological Society of America Bulletin*, 116(7), 1026. <https://doi.org/10.1130/B2525478.1>
- van de Plassche, O. (1990). Mid-Holocene sea-level change on the Eastern Shore of Virginia. *Marine Geology*, 91(1–2), 149–154. [https://doi.org/10.1016/0025-3227\(90\)90138-A](https://doi.org/10.1016/0025-3227(90)90138-A)
- van De Plassche, Orson, Wright, A. J., Horton, B. P., Engelhart, S. E., Kemp, A. C., Mallinson, D., & Kopp, R. E. (2014). Estimating tectonic uplift of the Cape Fear Arch (south-eastern United States) using reconstructions of Holocene relative sea level. *Journal of Quaternary*

*Science*, 29(8), 749–759. <https://doi.org/10.1002/jqs.2746>

Ward, L. G., Zaprowski, B. J., Trainer, K. D., & Davis, P. T. (2008). Stratigraphy, pollen history and geochronology of tidal marshes in a Gulf of Maine estuarine system: Climatic and relative sea level impacts. *Marine Geology*, 256(1–4), 1–17.  
<https://doi.org/10.1016/j.margeo.2008.08.004>

Wong, J. K., & Peteet, D. (1999). Environmental history of Piermont Marsh, Hudson River, NY. In W. C. Nieder & J. R. Waldman (Eds.), *Final Reports of the Tibor T. Polgar Fellowship Program*. Hudson River Foundation.

Yeager, K. M., Brunner, C. A., Kulp, M. A., Fischer, D., Feagin, R. A., Schindler, K. J., ... Bera, G. (2012). Significance of active growth faulting on marsh accretion processes in the lower Pearl River, Louisiana. *Geomorphology*, 153–154, 127–143.  
<https://doi.org/10.1016/j.geomorph.2012.02.018>