

Coastal Blue Carbon Scientific Articles

The papers below have authors affiliated with NOAA. These peer-reviewed articles provide a snapshot—not an exhaustive list—of the scientific literature on blue carbon.

McTigue, N., Davis, J., Rodriguez, A. B., McKee, B., Atencio, A., & Currin, C. (2019). Sea level rise explains changing carbon accumulation rates in a salt marsh over the past two millennia. *Journal of Geophysical Research: Biogeosciences*, 124. [DOI](#)

Howard, J., Sutton-Grier, A., Ariana, Herr, D., Kleypas J., Landis, E., McLoad, E., Pidgeon, E., and S. Simpson. 2016. Clarifying the role of coastal and marine systems in climate mitigation. *Front Ecol Environ* 2017; 1–9. 10.1002/fee.1451 [DOI](#)

Sutton-Grier, A.E. and A. Moore. 2016. Leveraging Carbon Services of Coastal Ecosystems for Habitat Protection and Restoration. *Coastal Management*.44(3):259-277. [DOI](#)

Wylie, L., Sutton-Grier, A.E. and A. Moore. 2016. Keys to successful blue carbon projects: Lessons learned from global case studies. *Marine Policy*. 65:76-84. [DOI](#)

Davis, J.L., Currin, C.A., O'Brien, C., Raffenburg C. and A. Davis. 2015. Living Shorelines: Coastal Resilience with a Blue Carbon Benefit. *PLoS ONE* 10(11): e0142595. [DOI](#)

Sutton-Grier, A.E., Moore, A.K., Wiley, P.C., and P.E.T. Edwards. 2014. Incorporating ecosystem services into the implementation of existing U.S. natural resource management regulations: The case for carbon sequestration and storage. *Marine Policy*. 43:246-253. [DOI](#)

Vincent, R. E., Burdick, D. M., & Dionne, M. 2014. Ditching and ditch-plugging in New England salt marshes: effects on plant communities and self-maintenance. *Estuaries and coasts*, 37(2), 354-368. [DOI](#)

Pendleton, L.H., Sutton-Grier, A.E., Gordon, D.R., Murray, B.C., Victor, B.E., Griffis, R.B., Lechuga, J.A.V. and C. Giri. 2013. Considering “Coastal Carbon” in Existing U.S. Federal Statutes and Policies. *Coastal Management*. 41:439-456. [DOI](#)

Vincent, R. E., Burdick, D. M., & Dionne, M. 2013. Ditching and ditch-plugging in New England salt marshes: effects on hydrology, elevation, and soil characteristics. *Estuaries and Coasts*, 36(3), 610-625. [DOI](#)