**Table S1.** Compilation of estimates of the net lateral flux of DIC () from ENA tidal wetlands.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Marsh  type | Location | Sub-region | Flux  (g C m–2 yr–1) | Source |
| Salt | Sage Lot Pond/Waquoit Bay, MA | MAB | 414 | *Wang et al.* [2016] |
| Fresh | Sweet Hall Marsh, York River Estuary, VA | MAB | 197 | *Neubauer and Anderson* [2003] |
| Salt | North Inlet, SC | SAB | 175 | *Morris and Whiting* [1986] |
| Salt | Duplin River, Sapelo Island, GA | SAB | 156 | *Wang and Cai* [2004] |