

Peer-reviewed publications from the benthic mapping team

1. Bell, R.E., R.D. Flood, S. Carbotte, W.B.F. Ryan, C. McHugh, M. Cormier, R. Versteeg, H. Bokuniewicz, V.L. Ferrini, J. Thissen, J.W. Ladd, E. A. Blair, 2006, Benthic Habitat Mapping in the Hudson River Estuary, in J. Levinton and J. Waldman (editors), *The Hudson River Estuary*, Cambridge Univ Press., pp 51-64.
2. [Carbotte, S.M., R.E. Bell, W.B.F. Ryan, C. McHugh, A. Slagle, F.O. Nitsche, J. Rubenstone, 2004, Environmental change and oyster colonization within the Hudson River estuary linked to Holocene climate, *Geo-Marine Letters*, 24, 212-224.](#)
3. Maher, Nicole P., 2006. A New Approach to Benthic Biotope Identification and Mapping. Ph.D. Thesis. Marine Sciences Research Center, Stony Brook University, Stony Brook, NY. 181 pp. (copies of thesis can be obtained from [Dissertation Express](#) Order # 3258909)
4. [McHugh, C.M.G., Pekar, S.F., Christie-Blick, N., Ryan, W.B.F., Carbotte, S., Bell, R., 2004. Spatial variations in a condensed interval between estuarine and open marine settings: Holocene Hudson River Estuary and adjacent continental shelf. *Geology*, 32 \(2\): 169-172.](#)
5. Nitsche, F.O., Bell, R., Carbotte, S.M., Ryan, W.B.F., Flood, R., 2004. Process-related classification of acoustic data from the Hudson River Estuary. *Marine Geology*, 209(1-4): 131-145.
6. Nitsche, F.O. R. Bell, S.M. Carbotte, W.B.F. Ryan, A. Slagle, S. Chillrud, T. Kenna, R. Flood, V. Ferrini, R. Cerrato, C. McHugh, D. Strayer, 2005, Integrative Acoustic Mapping Reveals Hudson River Sediment Processes and Habitats, *EOS* 86(24), pp
7. Nitsche, F.O., S. Carbotte, W.B.F. Ryan and R. Bell, 2005, A seabed classification approach based on multiple acoustic sensors in the Hudson River Estuary, in D.M. FitzGerald and J. Knight (editors) *High Resolution Morphodynamics and Sedimentary Evolution of Estuaries*: Springer, pp 33-55.
8. Nitsche, F.O., T.C. Kenna, M. Haberman, 2010, Quantifying 20th century deposition in complex estuarine environment: An example from the Hudson River, *Estuarine, Coastal, and Shelf Science*, 89, 163-174.
9. Nitsche, F.O., W.B.F. Ryan, S.M. Carbotte, R.E. Bell, A. Slagle, C. Bertinado, R. Flood, T. Kenna, C. McHugh, 2007, Regional patterns and local variations of sediment distribution in the Hudson River Estuary. *Estuarine, Coastal and Shelf Science*, 71 (1-2), 259-277.
10. Pekar, S.F., McHugh, C.M.G., Christie-Blick, N., Jones, M., Carbotte, S.M., Bell, R.E., Lynch-Stieglitz, J., 2004. Estuarine processes and their stratigraphic record:

paleosalinity and sedimentation changes in the Hudson Estuary (North America).
Marine Geology, 209(1-4): 113-129.

11. Slagle, Angela L., 2007, Spatial and temporal variability of sedimentary processes in the Hudson River Estuary, Ph.D. thesis, Columbia University, 165 pages (copies of thesis can be obtained from [Dissertation Express](#) Order # 3285166)
12. [Slagle, A.L., W.B.F. Ryan, S.M. Carbotte, R. Bell, F.O. Nitsche, and T. Kenna. 2006, Late-stage estuary infilling controlled by limited accommodation space in the Hudson River. Marine Geology, Volume 232, Issues 3-4, Pages 181-202](#)
13. [Strayer, D.L., M.M. Malcolm, R.E. Bell, S.M. Carbotte, F.O. Nitsche, 2006, Using geophysical information to define benthic habitats in a large river, Freshwater Biology 51, 25-38](#)