

Peer-reviewed Publications

2014

Fertig B, Carruthers TJB, Dennison WC (2014) Oyster delta N-15 as a Bioindicator of Potential Wastewater and Poultry Farming Impacts and Degraded Water Quality in a Subestuary of Chesapeake Bay. *J. Coast. Res.* 30(5):881–892

2013

Carruthers TJB, Beckert K, Schupp CA, Saxby TA, Kumer JP, Thomas JE, Sturgis B, Dennison WC, Williams M, Fisher T, Zimmerman CS (2013) Improving management of a mid-Atlantic coastal barrier island through assessment of habitat condition. *Estuar. Coast. Shelf Sci.* 116:74–86

Dennison WC, Oliver P (2013) Studying Nature In Situ: Immersive Education for Better Integrated Water Management. *Journal of Contemporary Water Research & Education* 150:26–33

Fertig BM, Carruthers TJB, Dennison WC (2013) Oyster deltaN-15 as a Bioindicator of Potential Wastewater and Poultry Farming Impacts and Degraded Water Quality in a Subestuary of Chesapeake Bay. *J. Coast. Res.* In Press

Fertig BM, O'Neil JM, Beckert KA, Cain CJ, Needham DM, Carruthers TJB, Dennison WC (2013) Elucidating terrestrial nutrient sources to a coastal lagoon, Chincoteague Bay, Maryland, USA. *Estuar. Coast. Shelf Sci.* 116:1–10

Oliver P, Dennison WC (2013) Popular Education for Water Sustainability: Three Lessons from Reflective Practice. *Journal of Contemporary Water Research & Education* 150:18–25

2012

Carruthers TJB, Carter SL, Lookingbill TR, Florkowski LN, Hawkey JM, Dennison WC (2012) A Habitat-Based Framework for Communicating Natural Resource Condition. *ISRN Ecology* 2012:13pp

Sekovski I, Newton A, Dennison WC (2012) Megacities in the coastal zone: Using a driver-pressure-state-impact-response framework to address complex environmental problems. *Estuar. Coast. Shelf Sci.* 96(1):48–59

2011

Short FT, Polidoro B, Livingstone SR, Carpenter KE, Bandeira S, Bujang JS, Calumpong HP, Carruthers TJB, Coles RG, Dennison WC, Erfemeijer PLA, Fortes MD, Freeman AS, Jagtap TG, Kamal AHM, Kendrick GA, Kenworthy WJ, La Nafie YA, Nasution IM, Orth RJ, Prathep A, Sanciangco JC, van Tussenbroek B, Vergara SG, Waycott M, Zieman JC (2011) Extinction risk assessment of the world's seagrass species. *Biol. Conserv.* 144(7):1961–1971

2010

Fertig BM, Carruthers TJB, Dennison WC, Fertig EJ, Altabet MA (2010) Eastern oyster (*Crassostrea virginica*) $\delta^{15}\text{N}$ as a bioindicator of nitrogen sources: Observations and modeling. *Mar. Poll. Bull.* 60(8):1288–1298

Orth RJ, Williams MR, Marion SR, Wilcox DJ, Carruthers TJB, Moore KA, Kemp WM, Dennison WC, Rybicki N, Bergstrom P, Batiuk RA (2010) Long-Term Trends in Submersed Aquatic Vegetation (SAV) in Chesapeake Bay, USA, Related to Water Quality. *Estuaries Coasts* 33(5):1144–1163

Williams MR, Filoso S, Longstaff BJ, Dennison WC (2010) Long-Term Trends of Water Quality and Biotic Metrics in Chesapeake Bay: 1986 to 2008. *Estuaries Coasts* 33(6):1279–1299

2009

Dennison WC (2009) Seagrasses: biology, ecology and conservation. *Bot. Mar.* 52(4):367

Fertig BM, Carruthers TJB, Dennison WC, Jones AB, Pantus F, Longstaff B (2009) Oyster and Macroalgae Bioindicators Detect Elevated $\delta^{15}\text{N}$ in Maryland's Coastal Bays. *Estuaries Coasts* 32(4):773–786

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Waycott M, Duarte CM, Carruthers TJB, Orth RJ, Dennison WC, Olyarnik S, Calladine A, Fourqurean JW, Heck KLJ, Hughes AR, Kendrick GA, Kenworthy WJ, Short FT, Williams SL (2009) Accelerating loss of seagrasses across the globe threatens coastal ecosystems. *PNAS* 106(30):12377–12381

Williams MR, Longstaff BJ, Buchanan C, Llanso R, Dennison WC (2009) Development and evaluation of a spatially-explicit index of Chesapeake Bay health. *Mar. Poll. Bull.* 59(1-3):14–25

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Bricker SB, Longstaff BJ, Dennison WC, Jones AB, Boicourt KE, Wicks EC, Woerner J (2008) Effects of nutrient enrichment in the nation's estuaries: A decade of change. *Harmful Algae* 8(1):21–32

Dennison WC (2008) Environmental problem solving in coastal ecosystems: A paradigm shift to sustainability. *Estuarine, Coastal and Shelf Science* 77(2):185–196

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Heisler J, Glibert PM, Burkholder JM, Anderson DM, Cochlan W, Dennison WC, Dortch Q, Gobler CJ, Heil CA, Humphries E, Lewitus A, Magnien R, Marshall HG, Sellner K, Stockwell DA, Stoecker DK, Suddleson M (2008) Eutrophication and harmful algal blooms: A scientific consensus. *Harmful Algae* 8(1):3–13

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Dennison WC, Lookingbill TR, Carruthers TJB, Hawkey JM, Carter SM (2007) An eye-opening approach to developing and communicating integrated environmental assessments. *Front. Ecol. Environ.* 5(6):307–314

Grinham AR, Carruthers TJB, Fisher PL, Udy JW, Dennison WC (2007) Accurately measuring the abundance of benthic microalgae in spatially variable habitats. *Limnol. Oceanogr. Methods* 5:119–125

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concentrations in blubber and liver tissue collected from Queensland (Australia) dugong (*Dugong dugon*). *Mar. Pollut. Bull.* 51(1-4):361–369

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Carruthers TJB, Dennison WC, Longstaff BJ, Waycott M, Abal EG, McKenzie LJ, Long WJL (2002) Seagrass habitats of northeast Australia: Models of key processes and controls. *Bulletin of Marine Science* 71(3):1153–1169

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submersed aquatic vegetation distribution in the Severn River, a sub-estuary of Chesapeake Bay. *Journal of Coastal Research* 16(1):188–195

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Hansen JW, Udy JW, Perry CJ, Dennison WC, Lomstein BA (2000) Effect of the seagrass *Zostera capricorni* on sediment microbial processes. *Marine Ecology-Progress Series* 199:83–96

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Conference Proceedings

2006

Wang P, Linker L, Jasinski DA, Dennison WC, Shenk G, Batiuk R (2006) Forecast of Summer Anoxia in the Chesapeake Bay. In: Spaulding ML (ed) *Estuarine and Coastal Modeling: Proceedings of the Ninth International Conference on Estuarine and Coastal Modeling held in Charleston, South Carolina, from October 31 to November 2, 2005*. American Society of Civil Engineers, 874 pp

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1984

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Master's Theses

1979

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Books

2010

Longstaff BJ, Carruthers TJB, Dennison WC, Lookingbill TR, Hawkey JM, Thomas JE, Wicks EC, Woerner JL (2010) Integrating and Applying Science: A practical handbook for effective coastal ecosystem assessment. IAN Press, Cambridge, MD, 244 pp

2009

Dennison WC, Thomas JE, Cain CJ, Carruthers TJB, Hall MR, Jesien RV, Wazniak CE, Wilson DE (2009) Shifting Sands: Environmental and cultural change in Maryland's Coastal Bays. IAN Press, Cambridge, MD, 396 pp

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Book Contributions

2010

Conner CS, Dennison WC, Thomas JE (2010) Chapter 4: Communication strategy: packaging and delivering the message for maximum impact. In: Longstaff BJ, Carruthers TJB, Dennison WC, Lookingbill TR, Hawkey JM, Thomas JE, Wicks EC, Woerner JL (eds) Integrating and Applying Science: A practical handbook for effective coastal ecosystem assessment. IAN Press, Cambridge, MD, p 45–58

Dennison WC, Thomas JE (2010) Chapter 2: Environmental leadership: achieving a sustainable future by fostering environmental champions. In: Longstaff BJ, Carruthers TJB, Dennison WC, Lookingbill TR, Hawkey JM, Thomas JE, Wicks EC, Woerner JL (eds) Integrating and Applying Science: A practical handbook for effective coastal ecosystem assessment. IAN Press, Cambridge, MD, p 19–32

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Wicks EC, Longstaff BJ, Fertig BM, Dennison WC (2010) Chapter 5: Ecological indicators: assessing ecosystem health using metrics. In: Longstaff BJ, Carruthers TJB, Dennison WC, Lookingbill TR, Hawkey JM, Thomas JE, Wicks EC, Woerner JL (eds) *Integrating and Applying Science: A handbook for effective coastal ecosystem assessment*. IAN Press, Cambridge, MD, p 61–78

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