

## List of publications that have used LUMCON Monitoring Data

- Beven, J.L.; Kimberlain, T.B. 2009. Tropical Cyclone Report Hurricane Gustav (AL072008) 25 August–4 September 2008. National Hurricane Center.
- Bianchi, T.S.; DiMarco, S.F.; Smith, R.W.; Schreiner, K.M. 2009. A gradient of dissolved organic carbon and lignin from Terrebonne–Timbalier Bay estuary to the Louisiana shelf (USA). *Marine Chemistry* 117:32-41. doi:10.1016/j.marchem.2009.07.010
- Brown, D.P. 2011. Tropical Cyclone Report Tropical Storm Lee (AL132011) 2-5 September 2011. National Hurricane Center.
- Cheng, Y.; Li, X.; Xu, Q.; Garcia-Pineda, O.; Andersen, O.B.; Pichel, W.G. 2011. SAR observation and model tracking of an oil spill event in coastal waters. *Marine Pollution Bulletin* 62:350-363. doi:10.1016/j.marpolbul.2010.10.005
- Chilmakuri, C.S. 2006. Sediment Transport and Pathogen Indicator Modeling in Lake Pontchartrain. Doctoral dissertation, University of New Orleans. Paper 326.
- Darby, F.A.; Turner, R.E. 2008. Below-and aboveground *Spartina alterniflora* production in a Louisiana salt marsh. *Estuaries and Coasts* 31:223-231. doi:10.1007/s12237-007-9014-7
- Duque, G. 2004. Influence of the Marsh Edge on the Structure and Trophic Ecology of the Fish and Macroinvertebrate Community in a Louisiana Estuarine Ecosystem. Doctoral dissertation, Louisiana State University.
- Feng, Z. 2009. Hydrodynamic Response to Cold Fronts Along the Louisiana Coast. Master's thesis, Louisiana State University.
- Feng, Z.; Li, C. 2010. Cold-front-induced flushing of the Louisiana Bays. *Journal of Marine Systems* 82:252-264. doi:10.1016/j.jmarsys.2010.05.015
- G.E.C., Inc. 2009. Biological and Recreational Monitoring of the Impacts of the 2008 Bonnet Carré Spillway Opening, St. Charles Parish, Louisiana. New Orleans: U.S. Army Corps of Engineers.

Geho, E.M.; Campbell, D.; Keddy, P.A. 2007. Quantifying ecological filters: the relative impact of herbivory, neighbours, and sediment on an oligohaline marsh. *Oikos* 116:1006-1016. doi:10.1111/j.0030-1299.2007.15217.x

Gill, D. 2006. The Influence of Flooding on Contributions of *Spartina Alterniflora* Roots to Salt Marsh Soil Volume in a Field Setting. Master's thesis, University of New Orleans. Paper 366.

Green, R.E.; Gould, R.W. 2008. A predictive model for satellite-derived phytoplankton absorption over the Louisiana shelf hypoxic zone: Effects of nutrients and physical forcing. *Journal of Geophysical Research: Oceans* 113:C06005. doi:10.1029/2007JC004594

Green, R.E.; Gould, R.W.; Ko, D.S. 2008. Statistical models for sediment/detritus and dissolved absorption coefficients in coastal waters of the northern Gulf of Mexico. *Continental Shelf Research* 28:1273-1285. doi:10.1016/j.csr.2008.02.019

Green, R.; Gould, R.; Martinolich, P. 2007. Effects of Nutrients and Physical Forcing on Satellite-Derived Optical Properties Near the Mississippi River Delta (No. NRL/PP/7330-06-6318). Ft. Belvoir : Defense Technical Information Center.

Hall, F.R.; Buxton, C.A. 2004. Advancing the REVOLUTION: Using earth systems science to prepare elementary school teachers in an urban environment. *Journal of Geoscience Education* 52:338-344. doi:10.5408/1089-9995-52.4.338

Hill, T.D.; Roberts, B.J.. Effects of seasonality and environmental gradients on *Spartina alterniflora* allometry and primary production. *Journal of Ecology*. In review.

Haug, T.J.M. 2014. Tungsten Speciation, Mobilization, and Sequestration: Thio-tungstate Stability Constants and Examination of (Thio)Tungstate Geochemistry in Estuarine Waters and Sediments. Doctoral dissertation, Tulane University School of Science and Engineering.

Huang, W.J.; Cai, W.J.; Wang, Y.; Lohrenz, S.E.; Murrell, M.C. 2015. The carbon dioxide system on the Mississippi River-dominated continental shelf in the northern Gulf of Mexico: 1. Distribution and air-sea CO<sub>2</sub> flux. *Journal of Geophysical Research: Oceans* 120:1429-1445. doi:10.1002/2014JC010498

Huang, W.J.; Cai, W.J.; Wang, Y.; Hu, X.; Chen, B.; Lohrenz, S.E.; Chakraborty, S.; He, R.; Brandes, J.; Hopkinson, C.S. 2015. The response of inorganic carbon distributions and dynamics to upwelling-favorable winds on the northern Gulf of Mexico during summer. *Continental Shelf Research* 111:211-222. doi:10.1016/j.csr.2015.08.020

Howard, J.R. 2004. Coastal Boundary Layer Transition Within Tropical Cyclones at Landfall. Doctoral dissertation, Texas Tech University.

Jerolmack, D.J. 2006. Modeling the Dynamics and Depositional Patterns of Sandy Rivers. Doctoral dissertation, Massachusetts Institute of Technology.

Jones, C.E.; Minchew, B.B.; Holt, B.B.; Hensley, S.S. 2011. Studies of the Deepwater Horizon oil spill with the UAVSAR radar. Pp 33-50 in *Monitoring and Modeling the Deepwater Horizon Oil Spill: A Record-Breaking Enterprise*. Washington: American Geophysical Union. doi:10.1029/2011GM001113

Justic, D.; Wang, L. 2014. Assessing temporal and spatial variability of hypoxia over the inner Louisiana–upper Texas shelf: Application of an unstructured-grid three-dimensional coupled hydrodynamic-water quality model. *Continental Shelf Research* 72:163-179. doi:10.1016/j.csr.2013.08.006

Karimpour, A.; Chen, Q.; Jadhav, R. 2013. Turbidity dynamics in upper Terrebonne Bay, Louisiana. Pp.339-360 in *Sediment Transport: Monitoring, Modeling and Management*. Hauppauge, New York: Nova Science Publishers. ISBN:9781626186835

Karimpour, A.; Chen, Q.; Twilley, R.R. 2017) Wind wave behavior in fetch and depth limited estuaries. *Scientific Reports* 7:40654. doi: 10.1038/srep40654

Kolar, P. 2004. Design and Development of a Process Control Temperature System for Eastern Oyster *Crassostrea Virginica* Research. Master's thesis, Louisiana State University.

Li, C.; Walker, N.; Hou, A.; Georgiou, I.; Roberts, H.; Laws, E.; McCorquodale, J.A.; Weeks, E.; Li, X.; Crochet, J. 2008. Circular plumes in Lake Pontchartrain estuary under wind straining. *Estuarine, Coastal and Shelf Science* 80:161-172. doi:10.1016/j.ecss.2008.07.020

Lopez, J.; Henkel, T.; Connor, P. 2015. Methodology for Hydrocoast Mapping of the Pontchartrain Basin: 2012 to 2015. New Orleans: Lake Pontchartrain Basin Foundation.

Lyncker, L. (2008). Abundance and Distribution of Early Life Stage Blue Crabs (*Callinectes sapidus*) in Lake Pontchartrain. Master's thesis, University of New Orleans. Paper 848.

Marton, J.M.; Roberts, B.J. 2014. Spatial variability of phosphorus sorption dynamics in Louisiana salt marshes. *Journal of Geophysical Research: Biogeosciences* 119:451-465. doi:10.1002/2013JG002486

McCorquodale, J.A.; Roblin, R.J.; Georgiou, I.Y.; Haralampides, K.A. 2009. Salinity, nutrient, and sediment dynamics in the Pontchartrain Estuary. *Journal of Coastal Research S.I.* 54:71-87. doi:10.2112/SI54-000.1

McFalls, T.B.; Keddy, P.A.; Campbell, D.; Shaffer, G. 2010. Hurricanes, floods, levees, and nutria: vegetation responses to interacting disturbance and fertility regimes with implications for coastal wetland restoration. *Journal of Coastal Research* 26:901-911. doi:10.2112/JCOASTRES-D-09-00037.1

Miller, R.L.; Del Castillo, C.E.; Chilmakuri, C.; McCorquodale, J.A.; Georgiou, I.; McKee, B.A.; D'Sa, E.J. 2005. Using multi-temporal MODIS 250 m data to calibrate and validate a sediment transport model for environmental monitoring of coastal waters. Pp 200-204 in 3rd International Workshop on the Analysis of Multi-Temporal Remote Sensing Images: 16-18 May, 2005, Beau Rivage Resort and Casino, Biloxi, Mississippi USA. Piscataway, N.J.: IEEE. doi:10.1109/AMTRSI.2005.1469872

Miller, R.L.; Mckee, B.A.; D'sa, E.J. 2005. Monitoring bottom sediment resuspension and suspended sediments in shallow coastal waters. Pp. 259-276 in *Remote Sensing of Coastal Aquatic Environments. Remote Sensing and Digital Image Processing, v.7.* Dordrecht:Springer.

Mohajerin, T.J.; Helz, G.R.; Johannesson, K.H. 2016. Tungsten–molybdenum fractionation in estuarine environments. *Geochimica et Cosmochimica Acta* 177:105-119. doi:10.1016/j.gca.2015.12.030

Mousavi, S.M.S.; Jose, F.; Stone, G.W. 2009. Simulating hurricane Gustav and Ike wave fields along the Louisiana innershelf: implementation of an unstructured third-generation wave model, SWAN. Pp 1-8 in Oceans 2009: 26-29 Oct. 2009, Biloxi, Mississippi, USA. Piscataway, NJ: IEEE. ISBN: 0933957381 doi:10.23919/OCEANS.2009.5422119

Powell, M.D.; Murillo, S.; Dodge, P.; Uhlhorn, E.; Gamache, J.; Cardone, V.; Cox, A.; Otero, S.; Carrasco, N.; Annane, B.; Fleur, R.S. 2010. Reconstruction of Hurricane Katrina's wind fields for storm surge and wave hindcasting. *Ocean Engineering* 37:26-36. doi:10.1016/j.oceaneng.2009.08.014

Reed, D.J.; Peterson, M.S.; Lezina, B.J. 2006. Reducing the effects of dredged material levees on coastal marsh function: sediment deposition and nekton utilization. *Environmental Management* 37:671-685. doi:10.1007/s00267-004-0223-6

Ren, L.; Rabalais, N.N.; Turner, R.E.; Morrison, W.; Mendenhall, W. 2009. Nutrient limitation on phytoplankton growth in the upper Barataria Basin, Louisiana: microcosm bioassays. *Estuaries and Coasts* 32:958-974. doi:10.1007/s12237-009-9174-8

Roberts, J.C. 2009. Vegetative Response to Hurricane Sedimentation. Master's thesis, University of New Orleans. Paper 986.

Roblin, R. 2008. Water Quality Modeling of Freshwater Diversions in the Pontchartrain Estuary. Master's thesis, University of New Orleans. Paper 693.

Schaeffer, B.A.; Sinclair, G.A.; Lehrter, J.C.; Murrell, M.C.; Kurtz, J.C.; Gould, R.W.; Yates, D.F.. 2011. An analysis of diffuse light attenuation in the northern Gulf of Mexico hypoxic zone using the SeaWiFS satellite data record. *Remote Sensing of Environment* 115:3748-3757. doi:10.1016/j.rse.2011.09.013

Schindler, J. 2010. Estuarine Dynamics as a Function of Barrier Island Transgression and Wetland Loss: Understanding the Transport and Exchange Processes. Master's thesis, University of New Orleans. Paper 1260.

Urban, T.J.; Schutz, B.E.; Neuenschwander, A.L. 2008. A Survey of ICESat Coastal Altimetry Applications: Continental Coast, Open Ocean Island, and Inland River. *Terrestrial, Atmospheric & Oceanic Sciences* 19:1-19. doi:10.3319/TAO.2008.19.1-2.1(SA)

Vastano, A.R.; Able, K.W.; Jensen, O.P.; López-Duarte, P.C.; Martin, C.W.; Roberts, B.J.. Age Validation and Seasonal Growth Patterns of a Subtropical Marsh Fish: The Gulf Killifish, *Fundulus grandis*. *Environmental Biology of Fishes*. In revision.

Wang, F. C. 1997. Dynamics of intertidal marshes near shallow estuaries in Louisiana. *Wetlands Ecology and Management* 5:131-143. doi:10.1023/A:1008255609987

Whitmore, K. 2006. Artificial Reef Performance in Lake Pontchartrain, Louisiana. Master's thesis, University of New Orleans. Paper 414.