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Director of Physical Processes and Sediment Systems, The Water Institute of the Gulf

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Baton Rouge, LA 70825

EDUCATION

Ph.D. in Oceanography, 1993
State University of New York, Stoney Brook, New York
Dissertation: "Mechanisms of coastal progradation and muddy strata formation adjacent to the Amazon River"

M.S. in Geology, 1988
East Carolina University, Greenville, North Carolina

B.S. in Geology, 1985
College of William and Mary, Williamsburg, Virginia

RESEARCH INTERESTS

Sedimentary processes of continental margin environments, acoustic and optical riverine and seafloor mapping, particle-reactive radiotracers for geochronology, processes of strata formation, high-concentration suspended sediment/cohesive seabed interactions, sediment transport in river channels, microfabric of modern sediments, use of GIS/remote sensing analysis for examining coastal geological processes

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PROFESSIONAL EXPERIENCE

The Water Institute of the Gulf — **2013- Present**
- ***Director of Physical Processes and Sediment Systems***

Institute for Geophysics, University of Texas — **2008**
- ***Associate Director***

Institute for Geophysics, University of Texas — **2007**
- ***Senior Research Scientist***

Department of EES, Tulane University — **2007**
- ***Professor***

Department of EES, Tulane University — **2002-2006**
- ***Associate Professor***

University of Paris, France — **2004**
- ***J. William Fulbright Fellow***

Department of EES, Tulane University — **1999-2002**
- ***Assistant Professor***

Texas A&M University, Department of Oceanography **1994-1999**
- ***Assistant Professor***

Woods Hole Oceanographic Institution, Department of Geology & Geophysics **1993-1994**
- ***Postdoctoral Scholar***

Publications (* denotes student in my lab)

Special Volumes/Monographs

Bianchi, T.S., Allison, M.A., and Cai, W-J. in review. *Biogeochemical Dynamics at Major River-Coastal Interfaces: Linkages with Global Change.* Cambridge University Press, editors for 28 chapter book (co-author on 5 chapters as well).

Allison, M.A., DeGaetano, A.T., and Pasachoff, J.M., 2005. *Earth Science*, Holt-Reinhart and Winston, 954 p. (Texas State High-school Earth Sciences Adopted Text)

Material Exchange Between Mangrove Systems and the Coastal Ocean. F. Baltzer, M. Allison, F. Fromard (eds.), *Marine Geology* Special Volume, 2004. 208(2-4):113-225.

A Study of Sedimentation in the Brahmaputra-Jamuna Floodplain. 1995. FAP16 Sedimentation Working Group (M. Allison, S. Kuehl, H. Brammer, D. Barua, T. Martin), *Bangladesh Flood Action Plan, US Agency for International Development*, 188 p.

Papers

*Miller, A.J., Allison, M.A., Bianchi, T.S., Schreiner, K.M., and Marcantonio, F., in review. Developing late Holocene climate archives from Arctic coastal settings using organic and mineral proxies. *The Holocene.*

*Ramirez, M.T. and Allison, M.A., in review. Suspension of bed-material sand over lateral bars in the lower Mississippi River, Southeastern Louisiana. *Journal of Geophysical Research-Earth Surface Processes.*

Schuller, S.E., Allison, M.A., Bianchi, T.S., Tian, F., and Savage, C., in review. Variability in past phytoplankton abundance and composition in a near-pristine fjord in New Zealand. *Continental Shelf Research.*

Li, X., Bianchi, T.S., Allison, M.A., Chapman, P., Mitra, S., Zhang, Z., Yang, G., and Yu, Z. in press. Composition, abundance and age of total organic carbon in surface sediments from the inner shelf of the East China Sea. *Marine Chemistry.*

Bianchi, T.S., Allison, M.A., Zhao, J., Li, X., *Comeaux, R., Feagin, R., Kulawardhana, R.W., in press. Historical reconstruction of mangrove expansion in the Gulf of Mexico: linking climate change with carbon sequestration in coastal wetlands. *Estuarine, Coastal and Shelf Science.*

Safak, I., Allison, M.A., and Sheremet, A., in press. Floc behavior in a high-turbidity, wave-energetic muddy shelf: Observations under varying turbulence, sediment availability, and seafloor properties. *Continental Shelf Research.*

Rosenheim, B.E., Roe, K.M., Roberts, B.J., Kolker, A.S., Allison, M.A., and Johannesson, K.H., 2013. River discharge influences on particulate organic carbon age structure in the Mississippi/Atchafalaya River system. *Global Biogeochemical Cycles*. DOI: 10.1002/gbc.20018.

Allison, M.A., Vosburg, B.M., *Ramirez, M.T., and Meselhe, E.A., 2012. Mississippi River channel response to the Bonnet Carre Spillway opening in the 2011 flood and its implications for the design and operation of river diversions. *Journal of Hydrology.* http://dx.doi.org/10.1016/j.jhydrol.2012.11.011

Meselhe, E.A., Georgiou, I., Allison, M.A., and McCorquodale, 2012. Myrtle Grove delta building diversion: numerical modeling of hydrodynamic and sediment transport in the Lower Mississippi near Myrtle Grove river bend. *Journal of Hydrology* 472-3:340-354.10.1016/j.jhydrol.2012.09.043.

Zhao, J., Bianchi, T.S., Li, X., Allison, M.A., Yao, P., and Yu, Z., 2012. Historical eutrophication in the Changjiang and Mississippi delta-front estuaries: stable sedimentary chloropigmments as biomarkers. *Continental Shelf Research* 47:133-144.

Allison, M.A., Demas, C.R., Ebersole, B.A., Kleiss, B.A., Little, C.D., Meselhe, E.A., Powell, N.J., Pratt, T.C., and Vosburg, B.M., 2012. A water and sediment budget for the lower Mississippi-Atchafalaya River in flood years 2008-2010: implications for sediment discharge to the oceans and coastal restoration in Louisiana. *Journal of Hydrology* 432/3:84-97.

*Comeaux, R.S., Allison, M.A., and Bianchi, T.S., 2012. Mangrove expansion in the Gulf of Mexico with climate change: implications for wetland health and resistance to rising sea levels. *Estuarine, Coastal and Shelf Science* 96:81-95.

Kolker, A.S., Allison, M.A., and Hameed, S., 2011. An evaluation of subsidence rates and sea-level variability in the northern Gulf of Mexico. *Geophysical Research Letters* 38:L21404, doi:10.1029/2011GL049458

*Nittrouer, C.A., Mohrig, D., and Allison, M.A., 2011. Punctuated sand transport in the lowermost Mississippi River. *Journal of Geophysical Research – Earth Surface Processes* 116:10.1029/2011JF002026.

Bianchi, T.S., Sampere, T.P., Allison, M.A., and McKee, B.A., 2011. Burial and degradation of organic carbon in Louisiana shelf/slope sediments. *Estuarine, Coastal and Shelf Science* 95:232-244.

Li, X., Bianchi, T.S., Yang, Z., Osterman, L.E., Allison, M.A., DiMarco, S.F., Yang, G. 2011. Historical trends of hypoxia in Changjiang River estuary: applications of chemical biomarkers and microfossils. *Journal of Marine Systems* 86:57-68.

*Nittrouer, J.A., Mohrig, D., Allison, M.A., and Peyret, A-P. B. 2011. The lowermost Mississippi River: a mixed bedrock-alluvial channel. *Sedimentology* 58:1914-1934.

Sampere, T., Bianchi, T.S., and Allison, M.A., 2011. Historical changes in terrestrially-derived organic carbon inputs to Louisiana continental margin sediments over the past 150 years. *Journal of Geophysical Research – Biogeosciences* 116, G01016, doi:10.1029/2010JG001420.

Sampere, T., Bianchi, T.S., Allison, M.A., and McKee, B.A., 2011. Burial and degradation of organic carbon in Louisiana Shelf/Slope sediments. *Estuarine, Coastal and Shelf Science* 95:232-244.

Sheremet, A., Jaramillo, S., Su, S.-F., Allison, M.A. and Holland, K.T., 2011. Wave-mud interaction over the muddy Atchafalaya subaqueous clinoform, Louisiana, United States: wave processes. *Journal of Geophysical Research--Oceans* 116, C06005, doi:10.1029/2010JC006644.

Allison, M. A., T. M. Dellapenna, E. S. Gordon, S. Mitra, and S. T. Petsch, 2010. Impact of Hurricane Katrina (2005) on shelf organic carbon burial and deltaic evolution, *Geophys. Res. Lett.*, *37*, L21605, doi:10.1029/2010GL044547.

Allison, M. A., and E. A. Meselhe, 2010. The use of large water and sediment diversions in the lower Mississippi River (Louisiana) for coastal restoration, *J. Hydrology*, *387*, 346-360.

Anthony, E. J., A. Gardel, N. Gratiot, C. Proisy, M. A. Allison, F. Dolique, and F. Fromard, 2010. The Amazon-influenced muddy coast of South America: A review of mud-bank- shoreline interactions, *Earth Sci. Rev.*, *103*, 99-121.

Bianchi, T. S., S. F. DiMarco, J. H. Cowan, R. D. Hetland, P. Chapman, J. W. Jay, and M. A. Allison, 2010. The science of hypoxia in the Northern Gulf of Mexico: A review, *Sci. Total Environ*, *408*, 1471-1484.

Bianchi, T. S., M. A. Allison, P. Chapman, J. H. Cowan, M. J. Dagg, J. W. Day, S. F. DiMarco, R. D. Hetland, and R. Powell, 2010. New approaches to the Gulf hypoxia problem, *Eos, Trans. Amer. Geophys. Un.*, *91*, 173-174.

Safak, I., A. Sheremet, M. A. Allison, and T.-J. Hsui, 2010. Bottom turbulence on the muddy Atchafalaya Shelf, Louisiana, USA, *J. Geophys. Res.*, *115*, C12019, 15pp., doi:10.1029/2010JC006157

Goff, J.A., Allison, M.A., and Gulick, S.P.S., 2010. Offshore transport of sediment during cyclonic storms: Hurricane Ike (2008), Texas Gulf Coast, USA. *Geology* 38:351-354.

Pereira, E.A., McCorquodale, J.A., Meselhe, E.A., Georgiou, I.Y., and Allison, M.A., 2010. Numerical simulation of bed material transport in the lower Mississippi River. *Journal of Coastal Research, Special Issue* 56, p. 1449-1453.

Bianchi, T.S. and Allison, M.A., 2009. Large-river delta-front estuaries as natural "recorders" of global environmental change. *Proceedings of the National Academy of Sciences* 106:8085-8092.

Jaramillo S., Sheremet, A., Allison, M.A., Holland, K.T., and Reed, A.H., 2009. Wave-mud interactions over the muddy Atchafalaya subaqueous clinoform, Louisiana, United States: wave-supported sediment transport. *J. Geophysical Research-Oceans 114:*C04002, doi:10.1029/2008JC004821.

Mitra, S., Lalicata, J.J., Allison, M.A., and Dellapenna, T.M. 2009. The effects of Hurricanes Katrina and Rita on seabed polycyclic aromatic hydrocarbon dynamics in the Gulf of Mexico. *Marine Pollution Bulletin* 58:851-857.

*Wilson, C.A. and Allison, M.A., 2008. Sediment dynamics and geomorphology of eroding marsh shorelines in southeastern Louisiana. *Estuarine, Shelf and Coastal Science,* 80:483-494.

Bianchi, T.S., Allison, M.A., Chapman, P., Cowan, J.H., Jr., DiMarco, S.F., Hetland, R.D., Morse, J.W., and Rowe, G.T., submitted. Controlling hypoxia on the Louisiana Shelf (USA): beyond the nutrient-centric view. *EOS—Transactions of the American Geophysical Union* 89: doi:10.1029/2008EO260005.

Mayer, L.M., Schick, L.L., and Allison, M.A., 2008. Input of nutritionally rich organic matter from the Mississippi River to the Louisiana coastal zone. *Estuaries and Coasts* 31:1052-1062.

*Nittrouer, J.A., Allison, M.A., and Campanella, R., 2008. Evaluation of bedload transport in the lower Mississippi River: implications for sand transport to the Gulf of Mexico. *J. Geophysical Research-Earth Surface Processes* 113, F03004, doi:10.1029/ 2007JF000795.

*Galler, J.J. and Allison, M.A., 2008. Estuarine controls on fine-grained sediment storage in the lower Mississippi and Atchafalaya Rivers. *Geological Society of America Bulletin* 120:386-398.

Sampere, T.P., Bianchi, T.S., Wakeham, S.G., and Allison, M.A., 2008. Sources of organic matter in surface sediments of the Louisiana Continental margin: Effects of major depositional/transport pathways and Hurricane Ivan. *Continental Shelf Research* 28:2472-2487.

Goni, M.A., Alleau, Y., Corbett, E.R., Walsh, J.P., Mallinson, D., Allison, M.A., Gordon, E., Petsch, S., and Dellapenna, T.M., 2007. The effects of Hurricanes Katrina and Rita on the seabed of the Louisiana Shelf. *The Sedimentary Record (SEPM)* 5:4-9.

Bianchi, T.S., Galler, J.J., and Allison, M.A., 2007. Hydrodynamic sorting and transport of terrestrially derived organic carbon in sediments of the Mississippi and Atchafalaya Rivers. *Estuarine, Coastal and Shelf Science* 73:211-222.

Mayer, L.M., Schick, L.L., Allison, M.A. and Bentley, S., 2007. Marine vs. terrigenous organic matter in Louisiana coastal sediments: The uses of bromine:organic carbon ratios. *Marine Chemistry* 107:244-254.

Thieler, E.R., Butman, B., Schwab, W.C., Allison, M.A., Driscoll, N.W., Donnelly, J.P. and Uchupi, E., 2007. A catastrophic meltwater flood event and the formation of the Hudson Shelf Valley. *Palaeogeography, Palaeoclimatology, Palaeoecology* 246: 120–136

Allison, M.A., Bianchi, T.S., McKee, B.A., and Sampere, T.P., 2007. Carbon burial on river-dominated continental shelves: impact of historical changes in sediment loading adjacent to the Mississippi River. *Geophysical Research Letters* L01606, doi:10.1029/2006GL028362

Allison, M.A., Dellapenna, T.M., Goñi, M.A., and Sheremet, A., 2007. Impact of Hurricanes Katrina and Lili on the inner shelf of the Mississippi-Atchafalaya delta. *Proceedings of the International Conference on Coastal Sediments 07.* ISBN 0-7844-0926-9, 10 p.

Jaramillo, S., Sheremet, A., and Allison, M.A., 2007. Field observations of wave-current-sediment dynamics, Atchafalaya shelf, Louisiana, USA. *Proceedings of the International Conference on Coastal Sediments 07.* ISBN 0-7844-0926-9, 11 p.

Bianchi, T.S., Allison, M.A., Canuel, E.S., McKee, B.A., Wakeham, S.B. 2006. Evidence for rapid export of riverine and shelf-derived organic matter into Mississippi Canyon. *EOS—Transactions of the American Geophysical Union* 87:565, 572-573

Dellapenna, T.M., Allison, M.A., Gill, G., and Warnken, K., 2006. The role of shrimp trawling on resuspension in shallow estuaries. *Estuarine, Shelf and Coastal Science* 69:519-530.

Goñi, M.A., Gordon, E.S., Monacci, N.M., Clinton, R., Gishewhite, R., Allison, M.A., and Kineke, G.C., 2006. The effect of Hurricane Lili on the distribution of organic matter in the Inner Louisiana Shelf (Gulf of Mexico, USA). *Continental Shelf Research* 26:2260-2280.

Jaramillo, S., Sheremet, A., and Allison, M.A., 2006. Wave propagation over a shallow muddy shelf: a field experiment. *Proceedings of the 30th International Conference on Coastal Engineering*, San Diego, CA, 8 p.

Corbett, D.R., McKee, B.A., and Allison, M.A., 2006. Nature of decadal-scale sediment accumulation in the Mississippi River deltaic region. *Continental Shelf Research* 26:2125-2140.

Allison, M.A., Sheremet, A., Gõni, M.A., and Stone, G.W., 2005. Storm layer deposition on the Mississippi-Atchafalaya subaqueous delta generated by Hurricane Lili in 2002. *Continental Shelf Research* 25:2213-2232.

Kuehl, S.A., Allison, M.A., Goodbred, S.L., and Kudrass, H., 2005. Sedimentary processes and products of the modern Ganges-Brahmaputra delta. In: L. Giosan and J. Bhattacharya (eds.), *River Deltas: Concepts, Models and Examples*, Society for Sedimentary Geology (SEPM) Special Publication No. 83, p. 413-434.

*Neill, C.F. and Allison, M.A., 2005. Subaqueous deltaic formation on the Atchafalaya Shelf, Louisiana. *Marine Geology* 214:411-430.

Draut, A.E., Kineke, G.C., Velasco, D.W., Allison, M.A., and Prime, R.J., 2005. Influence of the Atchafalaya River on recent evolution of the chenier plain inner continental shelf, northern Gulf of Mexico. *Continental Shelf Research* 25:91-112.

McKee, B.A., Aller, R.C., Allison, M.A., Bianchi, T.S., and Kineke, G.C., 2004. Transport and transformation of dissolved and particulate materials on continental margins influenced by major rivers: benthic boundary layer and seabed processes. *Continental Shelf Research,* 24:899-926.

Allison, M.A. and *Lee, M.T. 2004. Sediment exchange between Amazon mudbanks and shore-fringing mangroves in French Guiana. *Marine Geology* 208:169-190.

Baltzer, F., Allison, M.A., and Fromard, F. 2004. Material exchange between the continental shelf and mangrove-fringed coasts with special reference to the Amazon-Guianas coast. *Marine Geology* 208:115-126.

*Galler, J.J., Bianchi, T.S., Allison, M.A., Campanella, R., and Wysocki, L., 2003. Sources of aged terrestrial organic carbon to the Gulf of Mexico from relict strata in the Mississippi River. *EOS, Transactions of the American Geophysical Union,* 84:469-476.

Allison, M.A., Khan, S.R., Goodbred, S.L., and Kuehl, S.A., 2003. Stratigraphic evolution of the late Holocene Ganges-Brahmaputra lower delta plain. *Sedimentary Geology* 155:317-342.

*Robb, B.K., Allison, M.A., and Dellapenna, T.M., 2003. Anthropogenic and natural controls on shoreface evolution along Galveston Island, Texas. *Proceedings of the International Conference on Coastal Sediments 03.* ISBN 981-238-422-7, 13 p.

Warnken, K., Gill, G., Dellapenna, T.M., Harper, D.E., Allison, M.A., and Lehman, R., 2003. The effects of shrimp trawling on sediment oxygen consumption and the fluxes of trace metals and nutrients from estuarine sediments. *Estuarine, Coastal and Shelf Science* 57:25-42.

Decho, A., Kawaguchi, T., Allison, M.A., Louchard, E., Stephens, C., Reid, P., Voss, K., Wheatcroft, R., and *Taylor, B.B. 2003. Sediment properties influencing up-welling spectral reflectance signatures: the "biofilm gel effect". *Limnology and Oceanography* 48:431-443.

Allison, M.A., 2002. 2.6.3.7 Deltas. In: Isla, F. (ed.)., *Encyclopedia of Life Support Systems,* United Nations Educational, Scientific and Cultural Organization (UNESCO), Paris, France, 16 p. Web (http://www.eolss.net) and CD-ROM publication.

Allison, M.A. and *Neill, C.F., 2002. Accumulation rates and stratigraphic character of the modern Atchafalaya River prodelta, Louisiana. *Transactions of the Gulf Coast Association of Geological Societies*, 52:1031-1040.

Allison, M.A. and *Kepple, E.B., 2001. Modern sediment supply to the lower delta plain of the Ganges-Brahmaputra River in Bangladesh. *Geo-Marine Letters*, 21:66-74.

Gordon, E.S., Goñi, M.A., Roberts, Q.N., Kineke, G.C., and Allison, M.A., 2001. Organic matter distribution and accumulation on the inner Louisiana Shelf. *Continental Shelf Research*, 21:1691-1721.

Santschi, P.H., Guo, L., Asbill, S., Allison, M., *Kepple, B., and Wen, L.-S, 2001. Accumulation rates and sources of sediments and organic carbon on the Palos Verdes shelf based on multiple radioisotopic tracers (^{137}Cs, ^{239,240}Pu, ^{210}Pb, ^{234}Th, ^{238}U and ^{14}C). *Marine Chemistry*, 73:125-152.

Allison, M.A., Kineke, G.C., Gordon, E.S., and Goñi, M.A., 2000. Development and reworking of an annual flood deposit on the inner continental shelf off the Atchafalaya River. *Continental Shelf Research* 20:2267-2294.

Allison, M.A, *Lee, M.T., Ogston, A.S., and Aller, R.C., 2000. Origin of mudbanks along the northeast coast of South America. *Marine Geology* 163:241-256.

Santschi, P.H., Allison, M.A., Asbill, S., and *Perlet, A.B., 1999. Sediment transport and Hg recovery in Lavaca Bay, as evaluated from radionuclide and Hg distributions. *Environmental Science and Technology,* 33(3); 378-391.

Allison, M.A., 1998. Historical changes in the Ganges-Brahmaputra delta front. *Journal of Coastal Research*, 14(4):1269-1275.

Allison, M.A., and Nittrouer, C.A., 1998. Identifying accretionary mud shorefaces in the geologic record: insights from the modern Amazon dispersal system. In: J. Schieber, W. Zimmerle, and P.S. Sethi (eds.), *Mudstones and Shales: Recent Progress in Shale Research*, Schweizerbart Publishers, Stuttgart, pp. 147-161.

Allison, M.A., 1998. Geologic framework and environmental status of the Ganges-Brahmaputra delta. *Journal of Coastal Research*, 14(3):826-837.

Allison, M.A., Kuehl, S.A., Martin, T.D., and Hassan, A., 1998. The importance of floodplain sedimentation for river sediment budgets and terrigenous input to the oceans: insights from the Brahmaputra-Jamuna River. *Geology*, 26:175-178

Kuehl, S.A., Levy, B.M., Moore, W.S., and Allison, M.A., 1997. Subaqueous delta of the Ganges-Brahmaputra river system. *Marine Geology*, 144:81-96.

Schwab, W.C., Allison, M.A., Corso, W., *Lotto, L.L., Butman, B., Buchholtz ten Brink, M., Denny, J.F., Danforth, W.W. and Foster, D.S., 1997. Initial results of high-resolution sea-floor mapping offshore of the New York-New Jersey metropolitan area using side-scan sonar. *Northeastern Geology and Environmental Sciences*, 19(4):243-262.

Allison, M.A., Nittrouer, C.A., Faria, L.E.C., Silviera, O.M. and Mendes, A.C., 1996. Sources and sinks of sediment to the Amazon margin: the Amapa coast. *Geo-Marine Letters*, 16:36-40.

Nittrouer, C.A., Kuehl, S.A., Figueiredo, A.G., Allison, M.A., Sommerfield, C.K., Rine, J.M., Faria, L.E.C., and Silveira, O.M., 1996. The geological record preserved by Amazon shelf sedimentation. *Continental Shelf Research*, 16:817-841.

Kuehl, S.A., Nittrouer, C.A., Allison, M.A., Faria, L.E.C., Dukat, D.A., Jaeger, J.M., Pacioni, T.D., Figueiredo, A.G., and Underkoffler, E.C., 1996. Sediment deposition, accumulation, and seabed dynamics in an energetic fine-grained coastal environment. *Continental Shelf Research*, 16:787-815.

Allison, M.A., Nittrouer, C.A. and Kineke, G.C., 1995. Seasonal sediment storage on mudflats adjacent to the Amazon River. *Marine Geology*, 125:303-328.

Allison, M.A. and Nittrouer, C.A. and Faria, L.E.C., 1995. Rates and mechanisms of muddy shoreline progradation and retreat downdrift of the Amazon River mouth. *Marine Geology*, 125:373-392.

Allison, M.A., Kineke, G.C., Sternberg, R.W. and Nittrouer, C.A., 1994. Use of an instrumented tripod system to examine sediment dynamics and fine-scale strata formation in muddy surfzone and nearshore environments. *Journal of Coastal Research*, 10:488-496.

Allison, M.A. and Riggs, S.R., 1994. Clay mineral suites in cyclic Miocene sediments from the North Carolina continental margin: A model for deposition in a mixed lithogenic-phosphatic-dolomitic-biogenic setting. *Journal of Sedimentary Research*, 64(A):386-395.

Nittrouer, C.A., Kuehl, S.A., Rine, J.M., Figueiredo, A.G., Faria, L.E.C., Dias, G.T.M., Silva, M.A.M., Allison, M.A., Pacioni, T.D., Segall, M.P., Underkoffler, E.C., Borges, H.V. and Silveira, O.F., 1991. Sedimentology and stratigraphy of the Amazon continental shelf. *Oceanography*, 4:33-38.

AMASSEDS Research Group, 1990. A Multidisciplinary Amazon Shelf Sediment Study. *EOS, Transactions of the American Geophysical Union*, 71:1771-1777.

Technical Reports (peer reviewed)

Allison, M.A. and Duncan, D.A., 2006. Assessing Quantity and Quality of Sand Available in the Lower Atchafalaya River Channel for Coastal Marsh and Barrier Island Restoration in Louisiana. Final Technical Report for Subcontract C-190360, Governor's Applied Coastal Research and Development Program, Baton Rouge, 63 p.

Allison, M.A. and *Nittrouer, J.A., 2004. Assessing Quantity and Quality of Sand Available in the Lower Mississippi River Channel for Coastal Marsh and Barrier Island Restoration in Louisiana. Final Technical Report for Subcontract C-162523, Governor's Applied Coastal Research and Development Program, Baton Rouge, 55 p.

Schwab, W.C., Allison, M.A., *Lotto, L.L., Denny, J.F., Uchupi, E., Thieler, E.R., Foster, D.S., Swift, B.A., Danforth, W.W., Lanier, D.L., and Butman, B. 2002. High-resolution Quaternary Seismic Stratigraphy of the New York Bight Continental Shelf. U.S. Geological Survey Open-File Report 02-152.

Schwab, W.C., Denny, J., Butman, B., Danforth, W.W., Foster, D.S., Swift, B.A., *Lotto, L.L., Allison, M.A., Thieler, E.R., and Hill, J.C., 2000. Seafloor characterization offshore of the New York-New Jersey Metropolitan Area using sidescan-sonar. 2000. U.S. Geological Survey Open-File Report No. 00-295, 3 sheets.

Thieler, E.R., Schwab, W.C., Allison, M.A., Denny, J.F., and Danforth, W.W., 1998. Sidescan-sonar Imagery of the Shoreface and Inner Continental Shelf, Wrightsville Beach, North Carolina. Reston, Virginia: U.S. Geological Survey Open-File Report No. 98-596, 3 sheets.