

DENISE J. REED

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EDUCATION

- 1980-1984 Graduate student, Department of Geography, University of Cambridge, England. Ph.D. awarded 1986.
- 1977-1980 Undergraduate in Geography, Sidney Sussex College, Cambridge, England. First class honors.

PROFESSIONAL EXPERIENCE

- 2011-2012 Arthur Maass-Gilbert White Fellow and Visiting Scholar, US Army Institute for Water Resources
- 2009 – present University Research Professor, University of New Orleans
- 2001 – present Professor, University of New Orleans
- 1998 - 2001 Associate Professor, University of New Orleans
- 1991 - 1998 Associate Professor, Louisiana Universities Marine Consortium.
- 1986 - 1991 Assistant Professor, Louisiana Universities Marine Consortium.
- 1984-1986 Temporary Lecturer in Geography, University of Manchester, England.

SELECTED PUBLICATIONS and REPORTS (list in reverse chronological order)

- John W. Day, J.W., G.P. Kemp, D.J. Reed, D.R. Cahoon, R.M. Boumans, J.M. Suhayda and R. Gambrell. 2011. Vegetation death and rapid loss of surface elevation in two contrasting Mississippi delta salt marshes: The role of sedimentation, autocompaction and sea-level rise. *Ecological Engineering* 37:229–240
- Committee on Sustainable Water and Environmental Management in the California Bay-Delta. 2010. A Scientific Assessment of Alternatives for Reducing Water Management Effects on Threatened and Endangered Fishes in California's Bay Delta. Water Science and Technology Board & Ocean Studies Board, National Academy of Sciences. 69pp.
- Granek, E.F., Polasky, S., Kappel, C.V., Reed, D.J., Stoms, D.M., Koch, E.W., Kennedy, C.J., Cramer, L.A., Hacker, S.D., Barbier, E.B., Aswani, S., Ruckelshaus, M., Perillo, G.M.E., Silliman, B.R., Muthiga, N., Bael, D, and E. Wolanski. 2009. Ecosystem Services as a Common Language for Coastal Ecosystem-Based Management. *Conservation Biology*: 10.1111/j.1523-1739.2009.01355.
- Reed, D.J., R. Davidson-Arnott and G. Perillo. 2009. The Future of Coastal Systems: From Estuaries to Dunes. Chapter 5 in O. Slaymaker and T. Spencer (eds.) 'Geomorphology and Global Environmental Change'. Cambridge University Press.
- Spencer, T. and D. Reed. 2009. Estuaries. Chapter 14 in T. Burt (ed.) 'Sediment Cascades'. John Wiley & Sons.
- Van Cooten, S., K. L. Elmore, D. E. Barbé, J. A. McCorquodale, and D. J. Reed. 2009. A Statistical Methodology to Discover Precipitation Micro-Climates in Southeast Louisiana: Implications for Coastal Watersheds. *Journal of Hydrometeorology*. 10: 1184-1202.
- Yuill, B.T., Lavoie, D., and Reed, D.J. 2009. Understanding subsidence processes in southern Louisiana. *Journal of Coastal Research, Special Issue* 54: 23-36

- Reed, D.J. 2009. Planning for the future of the Pontchartrain Coast. *Journal of Coastal Research Special Issue 54*.
- Reed, D.J., A. Commagere and M. Hester. 2009 Marsh Elevation Response to Hurricanes Katrina and Rita and the Effect of Altered Nutrient Regimes. *Journal of Coastal Research Special Issue 54*.
- Koch, E., B. Silliman, E. Barbier, E. Granek, J. Primavera, N. Muthiga, D. Reed, G. Perillo, C. Kappel, D. Bael, C. Kennedy, S. Hacker, S. Polasky, E. Wolanski, S. Aswani, L. Cramer and D. Stoms . 2009. Non-linearity in ecosystem services: temporal, spatial and biological variability in coastal protection. *Frontiers in Ecology and the Environment* 7:29-37.
- Reed, D.J. 2009. A New Approach to River Management: Action for a Sustainable Coastal Landscape. *Journal of Contemporary Water Research & Education* 141: 35 – 38.
- Kondolf, G.M., P. L. Angermeier, K. Cummins, T. Dunne, M. Healey, W. Kimmerer, P. B. Moyle, D. Murphy, D. Patten, S. Railsback, D. J. Reed. R. Spies and R. Twiss. 2008. Projecting Cumulative Benefits of Multiple River Restoration Projects: An Example from the Sacramento-San Joaquin River System in California. *Environmental Management* 42:933–945
- Barbier, E.B., E.W. Koch, B.R. Silliman, S.D. Hacker, E. Wolanski, J. Primavera, E.F. Granek, S. Polasky, S. Aswani, L.A. Cramer, D.M. Stoms, C.J. Kennedy, D. Bael, C.V. Kappel, G.M. Perillo and D.J. Reed. 2008. Response to ‘Vegetation’s Role in Coastal Protection’. *Science* 320:177.
- Barbier, E.B., E.W. Koch, B.R. Silliman, S.D. Hacker, E. Wolanski, J. Primavera, E.F. Granek, S. Polasky, S. Aswani, L.A. Cramer, D.M. Stoms, C.J. Kennedy, D. Bael, C.V. Kappel, G.M. Perillo and D.J. Reed. 2008. Coastal Ecosystem-Based Management with nonlinear ecological functions and values. *Science* 319:321-323.
- Reed, D., J. Anderson, E. Fleishman, D. Freyberg, W. Kimmerer, K. Rose, M. Stacey, S. Ustin, and I. Werner. 2007. Independent Science Advisors Report, Bay-Delta Conservation Plan. November 2007. Available at http://resources.ca.gov/bdcp/docs/BDCP_ISA_Report_Final.pdf
- Burkett, V., C. Groat and D. Reed. 2007. Hurricanes Not the Key to a Sustainable Coast. *Science* 315:1366-1367.
- Reed, Denise J. 2007. Toward a coastal system for the 21st century. *National Wetlands Newsletter*, vol. 29, no. 5. 26-28.
- Day J.W., D. F. Boesch, E. J. Clairain, G. P. Kemp, S. B. Laska, W. J. Mitsch, K. Orth, H. Mashriqui, D. J. Reed, L. Shabman, C. A. Simenstad, B. J. Streever, R. R. Twilley, C. C. Watson, J. T. Wells, and D. F. Whigham. 2007 Restoration of the Mississippi Delta: Lessons from Hurricanes Katrina and Rita. *Science* 315: 1679-1684
- Weinstein, M.P., R. C. Baird, D. O. Conover, M. Gross, J. Keulartz, D. Loomis, Z. Naveh, S. B. Peterson, D. J. Reed, E. Roe, R. L. Swanson, J. A.A. Swart, J. M. Teal, R. E. Turner and H. J. van der Windt. 2007. Managing coastal resources for the 21st century. *Frontiers in Ecology and the Environment* 5: 43–48.
- Committee on Mitigating Shore Erosion along Sheltered Coasts. 2006. *Mitigating Shore Erosion along Sheltered Coasts*. Ocean Studies Board, National Academy of Sciences, Washington DC. 137 pp.
- Groves, G., D.S. Ortiz, J. Fischbach, D.J. Reed and H. Willis. 2006. Applying Robust Decision-making to the Risk-Informed Decision Framework for Louisiana Coastal Protection and Restoration. *WR-456-USACE*, RAND, Santa Monica, CA.

- Dewar, J., Fischbach, J., Reed, D., Ortiz, D., Lempert, R., Groves, D., and Hillestad, R. 2006. Results of the Assumption Based Planning Workshop for Coastal Protection and Restoration. *PM-2155-USACE*, RAND, Santa Monica, CA.
- Reed, D.J., M.S. Peterson and B. J. Lezina. 2006. Reducing the effects of dredged material levees on coastal marsh function: sediment deposition and nekton utilization. *Environmental Management*. 37: 671-85.
- Reed, Denise J. 2006. Seeing the Future of the Louisiana Coast. Pages 45-47 in: G. Arnold (ed.) 'After the Storm: Restoration of America's Gulf Coast Wetlands'. Special Report of the National Wetlands Newsletter. Environmental Law Institute, Washington DC.
- Simenstad, C., D.J. Reed and M. Ford. 2006. When is Restoration Not? Incorporating Landscape Scale Processes to Restore Self-Sustaining Ecosystems in Coastal Wetland Restoration. *Ecological Engineering* 26:6-26.
- Chapman, P., and D.J. Reed. 2006. Advances in Coastal Habitat Restoration in the Northern Gulf States. *Ecological Engineering* 26: 1-5.
- Cahoon, D. R., P. F. Hensel, T. Spencer, D. J. Reed, K. L. McKee and N. Saintilan. 2006. Coastal Wetland Vulnerability to Relative Sea-Level Rise: Wetland Elevation Trends and Process Controls. Chapter 12 in J. Verhoeven, B. Beltman, R. Bobbink and D. Whigham (eds.) 271-292 pp.
- Reed, D.J. 2006. Managing the Coastal Zone. In I. Douglas, R. Huggett and C. Perkins (eds) *Companion Encyclopedia of Geography: From the Local to the Global*. Routledge, London, UK.
- Working Group for Post-Hurricane Planning for the Louisiana Coast. 2006. A New Framework for Planning the Future of Coastal Louisiana after the Hurricanes of 2005. University of Maryland Center for Environmental Sciences, 48pp.
- Weinstein, M. and D. J. Reed. 2005. Sustainable coastal development: The dual mandate and a recommendation for "Commerce Protected Areas". *Restoration Ecology* 13: 174-182.
- Reyes, E., Georgiou, I., McCorquodale, J., and Reed, D. 2005. Using hydrodynamic models to evaluate the effects of barrier islands on estuarine dynamics and habitats: a numerical experiment. *Journal of Coastal Research*, Special Issue 44.
- Reed, D.J. 2005. Vegetated Coasts. In: M.L. Schwartz (ed.) *Encyclopedia of Coastal Science*. Springer, Dordrecht. 1024-1026.
- Reed, D.J. 2005. Wetlands. In: M.L. Schwartz (ed.) *Encyclopedia of Coastal Science*. Springer, Dordrecht. 1077-1081.
- Reed, D.J. and L. Wilson. 2004. Coast 2050: A new approach to restoration of Louisiana's coastal wetlands. *Physical Geography* 25: 4-21.
- Barras, J., S. Beville, D. Britsch, S. Hartley, S. Hawes, J. Johnston, P. Kemp, Q. Kinler, A. Martucci, J. Porthouse, D. Reed, K. Roy, and J. Suhayda. 2004. Historic and predicted coastal Louisiana land changes from 1978 to 2050. U.S. Geological Survey OFR 03-334 39p.
- Committee to Assess the U.S. Army Corps of Engineers Methods of Analysis and Peer Review for Water Resources Project Planning. Panel on Methods and Techniques of Project Analysis. 2004. *Analytical Methods and Approaches for Water Resources Project Planning*. Water Science and Technology Board, National Academy of Sciences, Washington DC. 151 pp.

- Reed, D.J. and N. De Luca. 2003. Managing to promote sediment deposition in subsiding Louisiana coastal marshes: The Brady Canal project. *Proceedings Coastal Sediments 03*. 1-12.
- Reed, D.J. 2002. Sea level rise and coastal marsh sustainability: geological and ecological factors in the Mississippi Delta Plain. *Geomorphology*. 48: 233-243.
- Reed, D.J. 2002. Understanding Tidal Marsh Sedimentation in the Sacramento-San Joaquin Delta, California. *Journal of Coastal Research Special Issue. Proceedings of International Coastal Symposium 2002*. SI36: 605-611.
- Leonard, L. A. and D.J. Reed. 2002. Hydrodynamics and Sediment Transport Through Tidal Marsh Canopies. *Journal of Coastal Research Special Issue. Proceedings of International Coastal Symposium 2002*. SI36: 459-469.
- Scavia, D., J. C. Field, D. F. Boesch, R. W. Buddemeier, V. Burkett, D. R. Cayan, M. Fogarty, M. A. Harwell, R. W. Howarth, C. Mason, D. J. Reed, T. C. Royer, A. H. Sallenger and J.G. Titus. 2002. Climate Change Impacts on U.S. Coastal and Marine Ecosystems. *Estuaries* 25:149-164.
- Reed, D.J. 2002. Sea level rise and coastal marsh sustainability: geological and ecological factors in the Mississippi Delta Plain. *Geomorphology* 48: 233-243.
- Reed, D.J. 2002. Using Geomorphology at the Coast. In: R.J. Allison (ed.) *Applied Geomorphology: Theory and Practice*. John Wiley & Son, Chichester. 375-380pp.
- Committee for Environmental Windows for Dredging Projects. 2001. A Process for Setting, Managing, and Monitoring Environmental Windows for Dredging Projects. *Transportation Research Board Special Report 262*. National Academy of Sciences, Washington, DC.
- French, J.R. and D.J. Reed. 2001. Physical contexts for saltmarsh conservation. Pages 179-228. In: A. Warren and J.R. French (eds.) *Habitat Conservation: Managing the Physical Environment*. John Wiley & Son, Chichester.
- Twilley, R.R., E.J. Barron, H.L. Gholtz, M.A. Harwell, R.L. Miller, D.J. Reed, J.B. Rose, E.H. Siemann, R.G. Wetzel and R.J. Zimmerman. 2001. Confronting climate change in the Gulf Coast region: prospects for sustaining our ecological heritage. *Union of Concerned Scientists, Cambridge, Mass., and Ecological Society of America, Washington DC*.
- Field, J.C., D. F. Boesch, D. Scavia, R. W. Buddemeier, V. Burkett, D. R. Cayan, M. Fogarty, M. A. Harwell, R. W. Howarth, C. Mason, D. J. Reed, T. C. Royer, A. H. Sallenger and J.G. Titus. 2001. Potential consequences of climate variability and change on coastal areas and marine resources. Chapter 16 in *National Assessment Synthesis Team 'Climate Change Impacts on the United States: The Potential Consequences of Climate Variability and Change'*. Report of the US Global Change Research Program, Cambridge University press, Cambridge UK. 620pp.
- Reed, D.J. 2001. Where did all the grass go? Sudden marsh loss in Jamaica Bay, New York. *Coastlines* 11.5: 10-11.
- Day, J.W. Jr., G.P. Shaffer, L.D. Britsch, D.J. Reed, S.R. Hawes and D.R. Cahoon. 2000. Pattern and process of land loss in the Mississippi Delta: a spatial and temporal analysis of wetland habitat change. *Estuaries* 23.4: 425-438.
- Cahoon, D.R., J.R. French, T. Spencer, D.J. Reed, and I. Moller. 2000. Vertical accretion versus elevational adjustment in UK saltmarshes: An evaluation of alternative methodologies. In: K. Pye and J.R.L. Allen (eds.) *Coastal and Estuarine Environments: sedimentology, geomorphology and geoarchaeology*. Geological Society, London, Special Publications, 175:223-238.

- Boesch, D.F., J. Burger, C.F. D'Elia, D.J. Reed and D. Scavia. 2000. Scientific synthesis in estuarine management. In: John Hobbie (ed.) *Estuarine Science: a synthetic approach to research and practice*. Island Press, Washington D.C. 507-526pp.
- Reed, D.J. 2000. Coastal Biogeomorphology: an integrated approach to understanding the evolution, morphology and sustainability of temperate coastal marshes. In: John Hobbie (ed.) *Estuarine Science: a synthetic approach to research and practice*. Island Press, Washington D.C. 347-362pp.
- Reed, D.J., T. Spencer, A.L. Murray, J.R. French and L. Leonard. 1999. Marsh surface sediment deposition and the role of tidal creeks: Implications for created and managed coastal marshes. *Journal of Coastal Conservation*. 5: 81-90.
- Kuhn, N.L., I.A. Mendelssohn and D.J. Reed. 1999. Altered hydrology effects on Louisiana salt marsh function. *Wetlands* 19: 617-626.
- Reed, D.J. 1999. Response of mineral and organic components of coastal marsh accretion to global climate change. *Current Topics in Wetland Biogeochemistry* 3:90-109.
- Cahoon, D.R., J.W. Day and D.J. Reed. 1999. The influence of surface and shallow subsurface soil processes on wetland elevation: a review. *Current Topics in Wetland Biogeochemistry* 3: 72-89.
- Reed, D.J. and D.R. Cahoon. 1999. Response of coastal wetlands to future climate change and variability. Pages 245-248. In: D. Briane Adams (ed.) *Potential consequences of climate variability and change to water resources of the United States*. American Water Resources Association, Herndon, VA, TPS-99-1.
- Kemp, G.P., J.W. Day Jr., D.J. Reed, D.R. Cahoon, M. Wang. 1999. Sedimentation, consolidation and surface elevation in two salt marshes of the Mississippi River Deltaic Plain: Geotechnical aspects of wetland loss. Pages 15-34 In: L.P Rozas, J.A. Nyman, C.E. Proffitt, N.N. Rabalais, D.J. Reed, and R.E. Turner (eds.). *Recent research in coastal Louisiana: Natural system function and response to human influence*. Louisiana Sea Grant College Program, Baton Rouge, LA.
- Day, J.W. Jr., G.P. Shaffer, L.D. Britsch, D.J. Reed, S.R. Hawes, D. Cahoon. 1999. Pattern and progress of land loss in the Louisiana coastal Zone: An analysis of spatial and temporal patterns of wetland habitat change. Pages 193-202. In: L.P Rozas, J.A. Nyman, C.E. Proffitt, N.N. Rabalais, D.J. Reed, and R.E. Turner (eds.). *Recent research in coastal Louisiana: Natural system function and response to human influence*. Louisiana Sea Grant College Program, Baton Rouge, LA.
- Coast 2050: Towards a Sustainable Coastal Louisiana. 1998. La DNR, Baton Rouge, LA. (Co-authored by Reed and 11 others for Louisiana Coastal Wetlands Conservation and Restoration Task Force and the Wetlands Conservation and Restoration Authority.).
- Cahoon, D.R., J.W. Day, Jr., D.J. Reed, and R.S. Young. 1998. Global climate change and sea-level rise: estimating the potential for submergence of coastal wetlands. Pages 21-34 in G.R. Guntenspergen and B.A. Vairin, editors. *Vulnerability of coastal wetlands in the Southeastern United States: climate change research results, 1992-97*. U.S. Geological Survey, Biological Resources Division Biological Science Report USGS/BRD/BSR--1998-0002.
- The Working Group on Sea Level Rise and Wetland Systems (eighteen authors including Reed). 1997. Conserving coastal wetlands despite sea level rise. *Eos*: 78: 257-261.
- Reed, D.J., N. De Luca and A.L. Foote. 1997. Effect of hydrologic management on marsh surface sediment deposition in coastal Louisiana. *Estuaries* 20: 301-311.

- Reed, D.J. 1996. Sea level. *Progress in Physical Geography* 20: 482-286.
- Reed, D.J. and L.P. Rozas. 1995. Restoring Louisiana coastal habitats through infilling existing pipeline canals: a geomorphological evaluation. *Wetlands* 15: 149-158.
- Reed, D.J. 1995. The response of coastal marshes to sea-level rise: survival or submergence? *Earth Surface Processes and Landforms* 20: 39-48.
- Cahoon, D.R. and D.J. Reed. 1995. Relationships among marsh surface topography, hydroperiod, and soil accretion in a deteriorating Louisiana salt marsh. *Journal of Coastal Research* 11: 357-369.
- Cahoon, D.R., D.J. Reed, J.W. Day, R.M. Boumans, J.C. Lynch, D. McNally and N. Latif. 1995. The influence of Hurricane Andrew on sediment distribution in Louisiana coastal marshes. *Journal of Coastal Research Special Issue* 18: 280-294.
- Cahoon, D.R., D.J. Reed and J.W. Day. 1995. Estimating shallow subsidence in microtidal salt marshes of the southeastern United States: Kaye and Barghoorn revisited. *Marine Geology* 128: 1-9.
- Reed, D.J. (ed.). 1995. Status and Historical Trends of Hydrologic Modification, Reduction in Sediment Availability, and Habitat Loss/Modification in the Barataria and Terrebonne Estuarine Systems. BTNEP Publ. No. 20, Barataria-Terrebonne National Estuary Program Thibodaux, LA. 338pp. plus appendices
- Rozas, L.P. and D.J. Reed. 1994. Comparing nekton assemblages of subtidal habitats in pipeline canals traversing brackish and saline marshes in coastal Louisiana. *Wetlands* 14: 262-275.
- Reed, D.J. and J. Donovan. 1994. The character and composition of the Columbia River estuarine turbidity maximum. In: K.R.Dyer and B.A. Orth (eds.) *Changes in fluxes in estuaries: implications for science and management (ECSA/ERF symposium, Plymouth, September 1992)*, pp. 445-450.
- Simenstad, C.A., D.J. Reed, D.A. Jay, J.A. Baross, F.G. Prahl and L.F. Small. 1994. Land-margin ecosystem research in the Columbia River estuary: investigations of the couplings between physical and ecological processes within estuarine turbidity maxima. In: K.R.Dyer and B.A. Orth (eds.) *Changes in fluxes in estuaries: implications for science and management (ECSA/ERF symposium, Plymouth, September 1992)*, pp. 437-444.
- Reed, D.J. 1993. Hydrology of Temperate Wetlands. *Progress in Physical Geography* 17: 20-31.
- Rozas, L.P. and D.J. Reed. 1993. Nekton use of marsh surface habitats in Louisiana deltaic salt marshes undergoing submergence. *Marine Ecology - Progress Series* 96: 147-157.
- Reed, D.J. and Rozas, L.P. 1993. Potential for enhancement of fisheries habitat by infilling OCS pipeline canals. A final report by the Louisiana Universities Marine Consortium for the U.S. Department of Interior, Minerals Management Service, New Orleans, Louisiana. OCS Study MMS 93-0061. 48 pp.
- Reed, D.J. and D.R. Cahoon. 1993. Marsh submergence vs, marsh accretion: interpreting accretion deficit data in coastal Louisiana. Pages 243-257 in: *Coastal Zone '93, Proceedings, 8th Symposium on Coastal and Ocean Management, 19-23 July, 1993, New Orleans, Louisiana*.
- Reed, D.J. and Cahoon, D.R. 1992. The relationship between marsh surface topography and vegetation parameters in a deteriorating Louisiana *Spartina alterniflora* salt marsh. *Journal of Coastal Research* 8: 77-87.
- Reed, D.J. 1992. The effect of weirs on sediment deposition in Louisiana coastal marshes. *Environmental Management* 16: 55-65.

- Rabalais, N.N., B.A. McKee, D.J. Reed and J.C. Means. 1992. Fate and Effects of produced water discharges in coastal Louisiana, Gulf of Mexico, USA. In: J.P. Ray and F.R. Engelhart (eds.) *Produced Waters*. Plenum Press, New York. 355-369pp.
- Reed, D.J. 1991 Ponds and bays: Natural processes of coastal marsh erosion in the Mississippi deltaic plain, Louisiana, USA. *Zeitschrift fur Geomorphologie*, Suppl. 18: 41-51.
- Reed, D.J. 1991 Sediment deposition in Louisiana coastal marshes. Pages 211-214. In: *Coastal Depositional Systems in the Gulf of Mexico: Quaternary Framework and Environmental Issues*. GCSSEPM Foundation Twelfth Annual Research Conference. Austin TX, Earth Enterprises.
- Reed, D.J. 1990 The impact of sea-level rise on coastal salt marshes. *Progress in Physical Geography* 14(4): 24-40.
- Stoddart, D.R. and Reed, D.J. 1990 Sea-level rise as a global geomorphic issue. *Progress in Physical Geography* 14(4): 1-5.
- Reed, D.J. 1989. Patterns of sediment deposition to subsiding coastal salt marshes, Terrebonne Bay, Louisiana: The role of winter storms. *Estuaries* 12: 222-227.
- Reed, D.J. 1989. Environments of Tidal Marsh Deposition in Laguna San Rafael area, southern Chile. *Journal of Coastal Research* 5: 845-856.
- Reed, D.J. 1989. The role of salt marsh erosion in barrier island evolution and deterioration in coastal Louisiana. *Transactions - Gulf Coast Association of Geological Societies* 39: 501-510.
- Reed, D.J. 1989. Modelling sediment delivery to Louisiana coastal salt marshes: natural processes and options for management. In Duffy, W.G. and D. Clark (eds.) *Marsh management in coastal Louisiana: effects and issues - proceedings of a symposium*. U.S. Fish and Wildlife Service and Louisiana Department of Natural Resources. U.S. Fish Wildl. Serv. Biol. Rep. 89(22). p. 67-74.
- Stoddart, D.R., Reed, D.J. and French, J. 1989. Understanding salt marsh accretion, Scolt Head Island, Norfolk, England. *Estuaries* 12: 228-236.
- Reed, D.J. 1988. Tidal currents and glacial discharge, Laguna San Rafael, southern Chile. *Journal of Coastal Research* 4: 93-102.
- Reed, D.J. 1988. Sediment dynamics and deposition in a retreating coastal salt marsh. *Estuarine, Coastal and Shelf Science* 26: 67-79.
- Reed, D.J., Muir Wood, R. and Best, J. 1988. Earthquakes, rivers and ice: Scientific research at Laguna San Rafael, southern Chile. *Geographical Journal* 154: 392-405.
- Reed, D.J. 1987. Temporal sampling and discharge asymmetry in salt marsh creeks. *Estuarine, Coastal and Shelf Science* 25: 459-466.
- Reed, D.J. 1987. Short term variability in salt marsh sedimentation, Terrebonne Bay, Louisiana. *Proceedings, 4th Water Quality and Wetland Management Conference*, 221-234.
- Pethick, J.S. and Reed, D.J. 1987. Coastal protection in an area of salt marsh erosion. *Proceedings of Coastal Sediments '87*, 1094-1104.
- Green, H.M., Stoddart, D.R. Reed, D.J. and Bayliss-Smith, T.P. 1986. Saltmarsh tidal creek dynamics, Scolt Head Island, Norfolk, England. In G. Sigbjarnarson (ed.) *Iceland Coastal and River Symposium, Proceedings*. pp. 93-103.
- Reed, D.J., Stoddart, D.R. and Bayliss-Smith, T.P. 1985. Tidal flows and sediment budgets for a salt marsh system, Essex, England. *Vegetatio* 62: 375-380.

SELECTED RECENT GRANTS AND CONTRACTS

A MODIS-based decision support tool for Gulf Coast salt marsh conservation and restoration.

Principal Investigator

Jan 2010 – Jan 2013. \$393,082. NASA.

BREACH III: Evaluating and Predicting 'Restoration Thresholds' in Evolving Freshwater-Tidal Marshes

Principal Investigator for UNO

June 2010 – June 2012. \$205,000 to UNO. USFWS.

2012 Master Plan Update

Principal Investigator for UNO

April 2010- January 2012. ~\$375,000. State of Louisiana via Brown and Caldwell.

Understanding Sediment Dynamics among Coastal Geomorphic Units along the Louisiana Shoreline: Belle Pass to Sandy Point

Principal Investigator

September 2009-December 2012. \$75,000. USACE.

Implications of Future Climate Change and Restoration Policy for Gulf Coast Fisheries: A Pilot Study

Principal Investigator for UNO

August 2007-July 2008. \$56,983. Rand Gulf States Policy Institute.

Synthesizing and Communicating Current Understanding of Subsidence Rates in Coastal Louisiana

Principal Investigator.

September 2007 – September 2008. \$79,941. USACE via CESU

Science Advisor – California Bay-Delta Program

Principal Investigator

November 2006- Dec. 2007. \$25,000, USGS

Adaptive Management Planning Team, Delta Regional Ecosystem Restoration Implementation Plan.

Principal Investigator

October 2006 – Dec. 2008. \$145,000. USGS

Advisor to Louisiana Integrated Planning Team for Development of State Master Plan for Protection and Restoration.

Principal Investigator

August 2006 – June 2007. \$40,000. Louisiana DNR.

Effects of Hurricane Disturbance on North Shore Marshes: Assessment of Resilience and Sustainability under Altered Nutrient Regimes

Co Principal Investigator (with Hester and Mendelssohn)

Sept 2006- Sept 2007, \$180,000. Pontchartrain Restoration Act Funds

Assessing Coastal Marsh Response to Sea-Level Rise in the Mid-Atlantic

Principal Investigator

Oct 05 – Feb 06, \$24,000, EPA

Value of North Shore Marshes in Improving Lake Water Quality: Assessment of Sustainability under Increased Nutrient Loading and Rising Sea Levels

Co Principal Investigator (with Hester and Mendelssohn)

Sept 2003- Sept 2006, \$300,000. Pontchartrain Restoration Act Funds

Dissolved Organic Carbon Release from Delta Wetlands: Part II fluxes and loads from tidal and non-tidal wetlands and from agricultural operations.

Co-Principal Investigator

October 2000 – September 2003

\$58,428 contracted to UNO.

CALFED

Understanding Tidal Marsh Restoration: Processes and Patterns. Validating and Extending the “BREACH” Conceptual Model

Co-Principal Investigator

December 1999 - August 2003.

\$1,042,246 total grant. UNO ~ \$150,000.

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RECENT SERVICE TO PROFESSION

- Member, National Research Council, Committee on Sustainable Water and Environmental Management in the California Bay-Delta, 2010 – (report due spring 2012)
- Member, National Research Council, Committee on Sea Level Rise in California, Oregon and Washington. 2011 – (report due spring 2012)
- Member, U.S. Army Chief of Engineers Environmental Advisory Board, 2002 – 2007, 2009-
- Member, NOAA Science Advisory Board Ecosystem Science and Management Working Group, 2009-
- Guest Editor, San Francisco Estuary and Watershed Science, special issue on Ecosystem Conceptual Models, 2010 –
- Chair, Strategic Science Review Panel, Puget Sound Nearshore Ecosystem Restoration Program, 2008- 2011
- Chair, National Science Panel, South San Francisco Bay Salt Pond Restoration, 2003-2007
- Member/Vice-Chair, California Bay-Delta Program Independent Science Board, 2003 –2005
- Chair, Technical Board for Coastal Restoration and Enhancement through Science and Technology (CREST) program, 2002 -2009
- Member, California Bay Delta Program Ecosystem Restoration Program Science Board, 2000 – 2005