

CURRICULUM VITAE

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EDUCATION

- B. S. University of Florida, Gainesville Biology 1966
- M.A. University of South Florida, Tampa Zoology 1968

PROFESSIONAL EXPERIENCE

- President, Coastal Resources Group, Inc., A Florida Not-for-Profit and 501(c)(3) Corporation, 2003 - present
- President, Lewis Environmental Services, Inc., Tampa; Florida, 1989 - present
- Vice-President, Director of the Environmental Division, Proctor & Redfern, Inc., Tampa; 1987-1989
- President, Mangrove Systems, Inc., Tampa; 1975-1987
- Hillsborough Community College, Tampa:
 - Professor of Biology and Scientific Advisor, Environmental Studies Center, 1974-1982
 - Professor and Chairman, Department of Biology, 1973-1974
 - Instructor, Department of Biology, 1970-1973

PROFESSIONAL CERTIFICATIONS

- Certified Professional Wetland Scientist No. 725, Society of Wetland Scientists
- Certified Environmental Professional No. 1611, National Association of Environmental Professionals
- Certified Senior Ecologist, Ecological Society of America
- Certified Prescribed Burn Manager No. 932194, Florida Division of Forestry

HONORS and AWARDS

- Participating Consultant and Co-Designer, Pelican Island Uplands Restoration Program, Florida Chapter of the American Society of Landscape Architects Design Awards, 2007
- Lead Consultant, Pelican Island 2003 Restoration Team, an Official Project of the Save America's Treasures Program, Designated by the White House Millennium Council (Former First Lady Hillary Rodham Clinton, Honorary Chair) and the National Trust for Historic Preservation, August 1999
- State of California Governor's Environmental and Economic Leadership Award, 2001 awarded to Cargill Salt for transfer of 10,000 acres of former salt ponds to the Napa Marsh Wildlife Reserve (Project design by R. Lewis of LES and M. Josselyn of WRI)
- Honorable Mention, 1994 National Wetlands Awards (U.S. Environmental Protection Agency and Environmental Law Institute)
- Award of Recognition for Critikon Habitat Restoration Phase 1, 12th Annual Planning Commission Community Awards Program, Tampa, Florida, 1994
- Ecological Society of America Corporate Award, for Tampa Electric Company Environmental Stewardship Program, 1993
- Award of Recognition for Natural Environment, 10th Annual Hillsborough County City-County Planning Commission Community Awards Program, Tampa, Florida, 1992
- Florida Audubon Society Corporate Award, for Tampa Electric Company Environmental Stewardship Program, 1991
- Florida Audubon Society Corporate Award, for Habitat Restoration at Bayport Plaza (Tampa), 1985
- Tampa Audubon Society, Conservation Award, 1975

PROFESSIONAL MEMBERSHIPS

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| • Gulf Estuarine Research Society | • Florida Native Plant Society |
| • Ecological Society of America | • National Assoc. of Environmental Professionals |
| • Environmental Law Institute | • International Society for Mangrove Ecosystems |
| • Society of Wetland Scientists | • American Ecological Engineering Society |
| | • Estuarine Research Federation |

PROFESSIONAL ACTIVITIES

- Invited Presenter, 2015 National Mitigation and Ecosystem Banking Conference, Orlando, FL
Topic: Coastal Wetlands Mitigation Banking
- Member, Mangrove Experts Group, IUCN, 2013 -
- Member, Committee to Develop Best Practice Guidelines on Ecological Restoration in Protected Areas, IUCN/World Commission on Protected Areas 2011-2012
- Invited Participant, Deltas 2010, New Orleans, Louisiana.

- Instructor, Mangrove Forest Ecology, Management and Restoration training course. Nassau, The Bahamas, May 3-5, 2009. Sponsored by the Government of The Bahamas.
- Member, Board of Directors, Society of Wetland Scientists. 2008 - 2013
- Member, Board of Directors, Society of Wetland Scientists Professional Certification Program, 2008 – 2013.
- Invited Expert, “Envisioning the Future of the Gulf Coast”, Expert Panel on Coastal Restoration advising the Governor of Louisiana, New Orleans, Louisiana, April 25-27, 2006
- Invited Expert, The Nature Conservancy, Central and South Florida Marine Ecoregional Assessment – Experts Review Workshop, Key Largo, Florida, June 14-15, 2004
- Invited Participant, Florida Fish and Wildlife Conservation Commission Stakeholders Meeting, Tallahassee, Florida, August 25, 2003
- Invited Interview, GXTV, Guangxi, China Television. Organized by the United States Department of State. West Lake Park, Broward County, Florida. Subject: Mangrove Restoration. August 23, 2003
- Speaker, Emerging Technologies, Tools and Techniques to Manage Our Coasts in the 21st Century, U.S. Environmental Protection Agency, Cocoa Beach, Florida January 29-31, 2003. Presentation topic: Restoring the Balance: Restoration of Tampa Bay
- Invited Participant, Florida Fish and Wildlife Conservation Commission Stakeholders Meeting, Tallahassee, Florida, August 16, 2002
- Invited Presenter, Shrimp Farming and the Environment: A World Bank, NACA, WWF and FAO Consortium Program, Stakeholder Consultation, World Bank, Washington, D.C., March 27-28, 2002
- Member, Advisory Panel to the American Museum of Natural History, New York, NY. Sustaining Seascapes: The Science and Policy of Marine Resource Management, March 7-8, 2002
- Expert Meeting on Best Practices for Sustainable Shrimp Aquaculture, Bangkok, Thailand, April 20-23, 1999
- SCOPE Panel on Ecological Engineering, Paris, France, July 29-31, 1998
- Coastal Environmental Science and Technology Panel, U.S.-Japan Cooperative Program in Natural Resources, 1998-2002
- International Workshop on the Rehabilitation of Degraded Coastal Systems, Phuket Marine Biological Center, Phuket, Thailand, January 19-24, 1998
- Board of Directors, Florida Audubon Society, 1997-1999
- Expert Panelist, Coastal Habitat Restoration, NOAA State of the Coast Reports, 1997
- Member, State Technical Committee, Florida Farm Service Agency, U. S. Department of Agriculture, 1996 -
- Member, Florida/Alabama Habitat Protection Panel, Gulf of Mexico Fishery Management Council, 1995 - 2005
- Member, Committee E-50 on Environmental Assessment, ASTM, 1995-2002
- Keynote Speaker, Society of Ecological Restoration Annual Conference, 1994, Lansing, Michigan. Topic: Solving Problems with Failed Tidal Wetlands Mitigation Projects
- Instructor, College of Engineering, Department of Engineering Professional Development, University of Wisconsin-Madison, “Creating Wetlands for Habitat Enhancement and Mitigation”, 1993-1995

- Instructor, Ohio State University, Summer Short Course, Creation and Restoration of Mitigation Wetlands, 1994 - 2010
- Technical Advisory Committee, Tampa Bay National Estuary Program, 1991 -
- Instructor, US Army Corps of Engineers, Waterways Experiment Station PROSPECT Program Course Topics: Wetland Restoration, Wetland Ecology, Advanced Wetland Environmental Compliance. Course Locations: Florida, Louisiana, North Carolina, California. 1990 -
- Board of Directors, Association of State Wetland Managers, 1987-1999
- U.S. Environmental Protection Agency, Gulf of Mexico Program, Habitat Degradation Subcommittee, 1989-1993
- National Research Council, Committee on the Role of Technology in Marine Habitat Protection and Enhancement, 1990-1993
- University of Florida, Sea Grant College, Salt Tolerant Vegetation Panel, 1987-1991
- Agency on Bay Management, Tampa Bay Regional Planning Council, 1985-1993

INVITED SPEAKER

- 1st Guyana Mangrove Forum, Georgetown, Guyana. Two presentations on management restoration of mangroves in Guyana and Florida. April 11, 2013
- Invited Speaker, 2015 Mitigation Banking Conference Orlando Florida: Panel on Marine Mitigation
- Moonlight on the Marsh Invited Lecture on Florida's Mangroves. 2013. February 21, 2013. Everglades Wetland Research Park, Florida Gulf Coast University, Naples, Florida
- Restore America's Estuaries, 2010, Galveston, Texas. Ignorance Based Restoration v. Knowledge Based Restoration. Panel.
- Humedales 2009, VII International Symposium on Wetlands, Cienaga de Zapata, Cuba, November 4-5, 2009. Topic: Ecological Engineering for Successful Mangrove Forest Management and Restoration.
- From Stem to Stern: Boating and Waterways Management in Florida, Florida Fish and Wildlife Conservation Commission and the Florida Sea Grant Program, Cocoa Beach, Florida, November 1-3, 2006. Topic: Boating impacts to seagrass meadows.
- The National Academy of Sciences, Committee on Mitigating Erosion on Sheltered Coasts, Workshop in Seattle, Washington, October 3-6, 2005. Topic: "Using Vegetation for Coastal Erosion Control."
- Society of Wetland Scientists Annual Meeting, 2005, Charleston, SC. Symposium on Wetlands of Coastal Watersheds, organized by NOAA. Presentation title: "Restoration of Tampa Bay, Florida: Application of the Restoring the Balance Paradigm."
- MarCuba, December 6-8, 2004, Havana, Cuba. Topic: "Coastal Restoration."
- VII Symposio de Botanica, June 24-28, 2003, Havana, Cuba. Topic: "Mangrove Restoration."
- The World Bank. March 27-28, 2002. Stakeholder Consultation on Shrimp Farming and the Environment. Topic: "Mangrove Restoration."

- Florida Local Environmental Resources Agencies, Inc. 2001 Annual Conference. September 26, 2001, Environmental Restoration: Topic: "Common Mistakes in the Restoration of Mangrove Forests and Tidal Marshes in Florida."
- Olentangy River Wetland Research Park, Ohio State University, August 6, 2001, Moonlight on the Marsh Distinguished Lecture. Topic: "So Why are Shrimp so Cheap These Days? - Mangrove Destruction and Restoration in Southeast Asia."
- Instructor, The National Seagrass Mitigation Workshop, US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi and Alaska District, Juneau Regulatory Field Office, Juneau, Alaska, July 16-20, 2001.
- National Symposium on Coastal and Estuarine Wetland Restoration into the New Millennium: Improving Effectiveness. Association of State Wetland Managers, Baton Rouge, Louisiana. June 19-21, 2001. Topic: "Improving Effectiveness: A Practitioner's Perspective."
- Mangrove Valuation Workshop, 4-8 April, 2001, Penang, Malaysia, Universiti Sains Malaysia and Beijer International Institute of Ecological Economics, The Royal Swedish Academy of Sciences. Topic: "Costs and Benefits of Mangrove Restoration."
- Jacques Cousteau National Estuarine Research Reserve and the New Jersey Department of Environmental Protection Coastal Management Program, Impacts of Motorized Boats on Shallow Water Systems. November 7-8, 2000, Rutgers University, New Jersey.
- Intercol Millenium Wetland Event, August 6-12, 2000, Quebec, Canada. SWS Invited Papers Symposium on Wetland Dependent Fisheries. Topic: Management and restoration issues associated with critical estuarine marsh, mangrove, and seagrass habitats in Florida.
- Florida Chamber of Commerce, 13th Annual Environmental Permitting Summer School, Marco Island, Florida. Topics: "Practical Approaches to Mitigation Issues" and "Seagrass Restoration and Mitigation", July 21-23, 1999.
- Society of Wetland Scientists, International Committee Section, "Scientific and Applied Wetland Issues: Forming Links Across Political Boundaries", June 8, 1999, Norfolk, Virginia
- International Conference of the World Aquaculture Society, Sydney, Australia, April 26-May 2, 1999. Topic: Suggestions for Standardization of Terms and Monitoring Schemes for Disused Shrimp Aquaculture Pond Restoration Back to Mangrove Forests.
- Integrated Coastal Management, Florida Institute of Technology, November 16-December 4, 1998, Melbourne, Florida, Invited Presentation on November 18 to eight representatives from Guangdong and Hainan Provinces and the Zhuang Autonomous Region, China. Topic: Mangrove Forest Restoration
- Coastal Restoration in South Florida, The South Florida Association of Environmental Professionals, November 19, 1998, Miami, Florida.
- Coastal Environmental Improvement in Mangrove/Wetland Ecosystems, Danish/SE Asian-Tropical Coastal Ecosystems Project, August 18-23, 1998, Ranong, Thailand, Keynote Speaker for Mangrove Restoration Section.
- Ecological Engineering Applied to River and Wetland Restoration, Scientific Committee on Problems of the Environment (SCOPE), International Council of Scientific Unions (ICSU), Paris, France, July 29-31, 1998, Topic: "Mangrove and Seagrass Restoration."
- Ecosystem Restoration and Creation, 25th Annual Meeting, Tampa, Florida, May 14, 1998, Keynote Speaker.

- Coastal Environmental Science and Technology Panel, Tokyo, Japan, 1998.
- Goal Setting and Success Criteria for Habitat Restoration, January 13-15, 1998, Charleston, SC, NOAA Fisheries, Habitat and Pollution 1997, Restoring Degraded Habitats Video Forum, NOAA, NMFS, November 7, 1997.
- Prioritizing Habitat Restoration Sites in the Tampa Bay Region, Tampa Baywatch, July 24-25, 1997, Tampa, Florida. Topic: History of habitat restoration in Tampa Bay.
- Wetlands Law and Regulation, Environmental Law Institute, Washington, DC, June 7-9, 1997.
- Marine Fish Habitat Managers Workshop, Atlantic States Marine Fisheries Commission, Philadelphia, PA, June 3-6, 1996. Topic: Restoration or Enhancement Projects to Benefit Fisheries - Seagrasses.
- North American Water and Environment Congress '96, American Society of Civil Engineers, Anaheim, CA, June 22-28, 1996. Topic: "Wetland Mitigation Evaluation Ten Years After Florida Keys Bridge Replacement".
- Temperate Wetland Restoration Workshop, November 27-December 1, 1995, Barrie, Ontario, Canada
- Society for Ecological Restoration, Annual Meeting, Lansing, Michigan, 1994 (Keynote Speaker)
- Wetlands Mitigation Banking Information Exchange, Urban Land Institute, Washington, DC, January 25, 1994.
- Wetlands: Local Functions, Global Dependence, Society of Wetland Scientists, Portland, Oregon, May 30-June 3, 1994. Topic: Freshwater Wetlands Construction
- Restoration of Aquatic Ecosystems, the Association of State Wetlands Managers, St. Paul, Minnesota, June 20-23, 1994. Topic: "Mitigation Banking: Avoiding the Pitfalls"
- Urban Land Institute, Wetlands Mitigation Banking Information Exchange, June 10, 1994. Topic: "Why Wetlands Mitigation Often Fails"
- The Ecological Basis of Restoration of Wetlands in the Mediterranean Basin, Hispanoamerica University of La Rabida (Heulva) Spain, 1993
- American Society of Civil Engineers Technical Seminar, New Opportunities for Engineering and Environmental Professionals, 1993. Topic: Habitat Restoration.
- Wetlands: Critical Land Use & Development Issues in Florida (CLE International), 1992. Topic: Wetlands Due Diligence (with Ronald L. Weaver, Esq.).
- National Wetland Symposium - Effective Mitigation: Mitigation Banks and Joint Projects in the Context of Wetland Management Plans, Palm Beach, 1992. Topic: Scientific Perspectives on On-Site/Off-Site In-Kind/Out-of-Kind Mitigation.
- US Army Corps of Engineers Environmental Advisory Board 50th Meeting, St. Louis, 1991. Topic: "Technical Aspects of Environmental Protection and Restoration - Can It Be Accomplished?" (panel discussion).
- South Carolina Water Resources Commission and the Interstate Council on Water Policy Joint Annual Meeting, Charleston, 1991. Topic: "Responding to Environmental Demands - Wetlands Restoration"
- Association of State Wetland Managers National Symposium: Altered, Artificial and Managed Wetlands with Special Emphasis on Agricultural Wetlands, Chicago, 1991. Topics: "Special

Restoration Issues” and “Approaches; Wetland Restoration: Restoration Issues in Severely Altered Wetlands” (moderator)

- America's Sea - The Gulf of Mexico, a symposium, 1990. New Orleans, Louisiana. Topic: Current Status and Future Needs of Wetland Restoration

RECENT PUBLICATIONS

- Dale, PE, JM Knight, L Griffin, J Beidler, R Brockmeyer, D Carlson, D Cox, J David, V Encomio, G Gilmore, P Haydt, R Lewis, J McNelly, SM O'Connell, B Peery, J Rey, and J Tucker. 2014. Multi-Agency perspectives on managing mangrove wetlands and the mosquitoes they produce. *Journal of the American Mosquito Control Association*, 30(2):106-115.
- Lewis III, RR and B Brown. 2014. Ecological mangrove rehabilitation – a field manual for practitioners. Mangrove Action Project, Canadian International Development Agency and OXFAM. 275 p.
- Lewis III, RR and LL Flynn. 2014. Mangrove Zone Ecology. In *Oxford Bibliographies in Ecology*. Ed. David Gibson. New York: Oxford University Press. 10 p. www.oxfordbibliographies.com
- Lewis III, RR. 2014. Mangrove forest restoration and the preservation of mangrove biodiversity. Pages 195-200 in Bozzano, M., Jalonen R., Evert, T., Boshier, D., Gallo, L., Cavers, S., Bordacs, S., Smith, P., and Loo, J. (eds). Genetic considerations in ecosystem restoration using native tree species. A thematic study for the State of the World's Forest Genetic Resources. United Nations Food and Agriculture Organization, Rome, Italy. I-xi + 271 p.
- Lewis, RR. 2012. Comments on A Multiscale Approach to Seagrass Recovery in Tampa Bay, Florida Greening et al. 2011 – *Ecological Restoration* 29(1-2):82-93.
- Alexander, S, CR Nelson, J Aronson, D Lamb, a Cliquet, KL Erwin, CM Finlayson, RS de Groot, JA Harris, ES Higgs, RJ Hobbs, RR Lewis III, D Martinez, and C Murcia. 2011. Opportunities and challenges for ecological restoration within REDD+. *Rest. Ecol.* 19(6):683-689.
- Lewis, RR. 2011. How successful mangrove forest restoration informs the process of successful general wetlands restoration. *National Wetlands Newsletter* 33(4):23-25.
- Lewis, R.R. 2009. Knowledge overload, wisdom underload. *Ecological Engineering*. 35:341-342.
- Lewis, R.R. 2009. Mangrove field of dreams: if we build it, will they come? SWS Research Brief. *Wetland Science and Practice*. 27(1):15-18.
- Stanley, O. and R.R. Lewis III. 2009. Strategies for mangrove rehabilitation in an eroded coastline of Selangor, Peninsular Malaysia. *J. Coastal Development*. 12(3):144-156.
- Lewis, R.R. 2009. Methods and criteria for successful mangrove forest restoration. Chapter 28, pp. 787-800 in G.M.E. Perillo, E. Wolanski, D. R. Cahoon, and M.M. Brinson (eds.) *Coastal Wetlands: An Integrated Ecosystem Approach*. Elsevier Press.
- Bosire, J.O., F. Dahdough-Guebas, M. Walton, B.I. Crona, R.R. Lewis III, C. Field, J.G. Kairo, and N. Koedam. 2008. Functionality of restored mangroves: A review. *Aquatic Botany* 89:251-259.
- Lewis, R.R. and R.G. Gilmore. 2007. Important considerations to achieve successful mangrove forest restoration with optimum fish habitat. *Bull. Mar. Sci.* 80(3):823-837.
- Lewis Environmental Services, Inc. 2007. Literature review of the effects of salinity levels and variations on Biscayne Bay biological resources. Contract report P.O. 45000I0540. South Florida Water Management District, West Palm Beach, Florida.

- Lewis, R.R. and C.R. Kruer. 2006. Boating impacts to seagrass meadows and seagrass residents. Pp. 241-247 in Program and Presentations of the Boating and Waterways Management in Florida meeting, Cocoa Beach, Florida, November 1-3, 2006.
- Erftemeijer, P.L.A. and R.R. Lewis III. 2006. Dredging impacts on seagrass meadows. *Marine Pollution Bulletin*. 52:1553-1572.
- Lewis, R.R., M.J. Marshall, S.A. Bloom, A.B. Hodgson, and L.F. Flynn. 2006. Evaluation of the success of seagrass mitigation at Port Manatee, Tampa Bay, Florida. Pp. 19-40 in S. F. Treat and R. R. Lewis III (Eds.), *Seagrass Restoration: Success, Failure and the Cost of Both*. Proceedings of the Conference. Mote Marine Laboratory, March, 2003. Lewis Environmental Services, Inc., Tampa, Florida. 175 pp.
- Brown, B, RR Lewis, A Quarto, J Enright, E Corets, J Primavera, T Ravishankar, OD Stanley and R Djamaluddin (eds). 2006. *Five Steps to Successful Ecological Restoration of Mangroves*. YARL and the Mangrove Action Project. Yogyakarta, Indonesia. 64 p.
- Treat, S.F. and R.R. Lewis III (Eds.). 2006. *Seagrass Restoration: Success, Failure and the Cost of Both*. Proceedings of the conference, March 2003. Proceedings of the Conference. Mote Marine Laboratory, March, 2003. Lewis Environmental Services, Inc., Tampa, Florida. 175 pp.
- Lewis III, R.R., A.B. Hodgson, and G.S. Mauseth. 2005. Project facilitates the natural reseeding of mangrove forests (Florida). *Ecological Restoration* 23(4):276-77.
http://www.mangroverestoration.com/LEWISH_1.PDF
- Capote-Fuentes, R.T. y R.R. Lewis. 2005. Resiliencia y restauración de manglares en el Golfo de México y el Caribe. Pp. 346-355. En: Fernández, L. y D. M. Moura (eds.). *Humedales de Iberoamérica. Experiencias de Red Iberoamericana de Humedales XVII.C, CYTED (Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo)*. 372 pp.
- Lewis, R.R. III, A.B. Hodgson, and G.S. Mauseth. In prep. Revising the paradigm for propagule abundant mangrove forest restoration in west central Florida.
- Lewis, R.R. III, A.B. Hodgson, and G.S. Mauseth. 2005. Mangrove forest restoration without mangrove planting in west central Florida, USA. Pp. 88 in *Society of Wetland Scientists 26th Annual Meeting*, Charleston, SC, June5-10, 2005. (Abstr.)
- Lewis, R.R. III. 2005. Ecological engineering for successful management and restoration of mangrove forests. *Ecol. Eng.* 24(4 SI):403-418.
- Lewis, R.R. 2005. Mangroves, hurricanes, and tsunamis. *All About Wetlands* 1(3):3-5+10
- Lewis, R.R. 2005. A summary of technical literature related to freshwater inflow effects on tidal wetland communities. Contract report pursuant to PO # 04PCSSOWOO68, Southwest Florida Water Management District. March 31, 2005.
- Capote-Fuentes, R.T. and R.R. Lewis. 2005. Resiliencia y restauración de manglares en el Golfo de México y el Caribe. Pp.346-355. En: Fernández, L. y D.M. Moura (eds.). *Humedales de Iberoamérica. Experiencias de estudio y gestión. Red Iberoamericana de Humedales XVII.C, CYTED (Programa Iberoamericano de Ciencia y Tecnología para el Desarrollo)*. 372 pp.
- Braun, G., R. Lewis, and J. Watson. 2004. *Freshwater Flow and Ecological Relationships in Biscayne Bay. Tasks 1-6*. SFWMD Contract C-15967-Wo0-06. West Palm Beach, Florida.

- Lewis, R.R., G. Braun, and J. Watson. 2004. Freshwater Flow and Ecological Relationships in Biscayne Bay. Task 7. Seagrasses, associated flora and fauna, and habitat requirements. SFWMD Contract C-15967-Wo0-06. West Palm Beach, Florida. http://www.sfwmd.gov/org/wsd/mfl/biscaynebay/project_doc.htm.
- Lewis, R.R. III, M.J. Phillips, B. Clough, and D.J. Macintosh. 2003. Thematic Review on Coastal Wetland Habitats and Shrimp Aquaculture. Report prepared under the World Bank, NACA, WWF and FAO Consortium Program on Shrimp Farming and the Environment. Published by the Consortium. 81 pp. <http://www.enaca.org/modules/mydownloads/singlefile.php?cid=56&lid=157>
- Lewis, R.R., A.B. Hodgson, M. Tooze, and C.R. Kruer. 2002. The distribution of seagrass and benthic habitats westward of the patch reef system boundary in Biscayne National Park, Florida, USA. Pp. 125-132 in H.S. Greening (ed.), Seagrass management: It's not just nutrients! Proceedings of a symposium, August 22-24, 2000, St. Petersburg, Florida. Tampa Bay Estuary Program, St. Petersburg, Florida. 246 pp.
- Lewis, R.R. 2002. The potential importance of the longshore bar system to the persistence and restoration of Tampa Bay seagrass meadows. Pp. 177-183 in H.S. Greening (ed.), Seagrass management: It's not just nutrients! Proceedings of a symposium, August 22-24, 2000, St. Petersburg, Florida. Tampa Bay Estuary Program, St. Petersburg, Florida. 246 pp.
- Mauseth, G.S., J.S. U-Donnelly, and R.R. Lewis. 2001. Compensatory restoration of mangrove habitat following the Tampa Bay oil spill. Pp. 761-767 in Proceedings of the 2001 International Oil Spill Conference, Volume 1, March 26-29, 2001, Tampa, Florida. USEPA, API, IPIECA, IMO, US Coast Guard. 771 pp.
- Lewis, R.R. and W. Streever. 2000. Restoration of mangrove habitat. Tech Note ERDC TN-WRP-VN-RS-3.2. US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi. 7 p. <http://www.wes.army.mil/el/wrtc/wrp/tnotes/vnrs3-2.pdf>.
- Lewis, R.R. 2000. Don't forget wetland habitat protection and restoration for Florida's fisheries. National Wetlands Newsletter 22(6): 9-10 + 20.
- Erfteemeijer, P.L.A. and R.R. Lewis III. 2000. Planting mangroves on intertidal mudflats: habitat restoration or habitat conversion? Pp. 156-165 in Proceedings of the ECOTONE VIII Seminar "Enhancing Coastal Ecosystems Restoration for the 21st Century, Ranong, Thailand. May 23-28, 1999. Royal Forest Department of Thailand, Bangkok, Thailand.
- Lewis, R.R. 2000. Ecologically based goal setting in mangrove forest and tidal marsh restoration in Florida. Ecological Engineering 15(3-4): 191-198.
- Stevenson, N.J., R.R. Lewis, and P.R. Burbridge. 1999. Disused shrimp ponds and mangrove rehabilitation. Pp. 277-297 in "An International Perspective on Wetland Rehabilitation." W. J. Streever (Ed.). Kluwer Academic Publishers, The Netherlands. 338 pp. http://www.mangroverestoration.com/Stevenson_et_al_1999_Disused_Shrimp_Ponds.pdf.
- Lewis, R.R. 1999. Key concepts in successful ecological restoration of mangrove forests. Pp. 12-32 in Proceedings of the TCE-Workshop No. II, Coastal Environmental Improvement in Mangrove/Wetland Ecosystems, Aug. 18-23, 1998, Ranong, Thailand. Danish-SE Asian Collaboration in Tropical Coastal Ecosystems (TCE) Research and Training. NACA, P.O. Box 1040, Bangkok, Thailand 10903.
- Lewis, R.R., P. Clark, W.K. Fehring, H.S. Greening, R. Johansson, and R.T. Paul. 1998. The rehabilitation of the Tampa Bay estuary, Florida, USA, an example of successful integrated coastal management. Marine Pollution Bulletin 37(8-12):468-473.

- Lewis, R.R. and M.J. Marshall. 1998. Principles of successful restoration of shrimp aquaculture ponds back to mangrove forests. P. 327 in World Aquaculture Society Book of Abstracts, Aquaculture '98, Las Vegas, Nevada. (Abstract)
- Lewis, R.R. 1998. Restoration of mangrove forests and seagrass meadows: How do we improve training and avoid repeating the same mistakes. Pp. 7-1 to 7-12 in Proceedings of the 1st Joint Meeting of the CEST Panel of the UJNR. Port and Harbor Research Institute, Yokoska, Japan. Various paging.
- Lewis, R.R. and M.J. Marshall. 1997. Principles of successful restoration of shrimp aquaculture ponds back to mangrove forests. P. 126 in Programa/Resumenes de Congreso de Ciencias del Mar, Marcuba 1997, Habana, CUBA. (Abstract)
- Marshall, M.J. and R.R. Lewis. 1997. Restoration and recolonization of a dead mangrove forest at Naples, Florida, USA - Initial results. Pp. 126-127 in Programa/Resumenes de Congreso de Ciencias del Mar, Marcuba 1997, Habana, CUBA. (Abstract)
- Turner, R.E. and R.R. Lewis. 1997. Hydrologic restoration of coastal wetlands. *Wetlands Ecol. Manage.* 4(2):65-72.
- Randall, J.M., R.R. Lewis, and D.B. Jenson. 1997. Ecological restoration. Chapter 12, pp. 205-219 in D. Simberloff, D.C. Schmitz, and T.C. Brown (Eds.) "Strangers in Paradise: Impact and Management of Nonindigenous Species in Florida." Island Press, Washington, DC.
- Lewis, R.R. 1997. Paper numbers. *National Wetlands Newsletter.* 19(4):22.
- Lewis Environmental Services, Inc. and Coastal Environmental Services, Inc. 1996. Setting priorities for Tampa Bay habitat protection and restoration: restoring the balance. Tech. Pub. # 09-95. Tampa Bay National Estuary Program, Tampa, Florida. 106 pp. + append.
- Lewis, R.R., J.A. Kusler, and K.L. Erwin. 1995. Lessons learned from five decades of wetland restoration and creation in North America. *Ecological Basis of Restoration of Wetlands in the Mediterranean Basin*, University of La Rabida, (Huelva) Spain, June 7-11, 1993. Pp. 107-122 in C. Montes, G. Oliver, F. Molina, and J. Cobos (eds.). *Bases ecologicas para la Restauracion de humedales en la Cuenca Mediterranea*, Junta de Andalucia, Spain. 348 pp.
- Lewis, R.R. 1994. Ecological restoration of lands infested with nonindigenous plant species. Pp. 248-254 in D.C. Schmitz and T.C. Brown (eds.), *An Assessment of Invasive Nonindigenous Species in Florida's Public Lands*. Fla. Dept. of Environmental Protection Tech. Rep. No. TSS-94-100.
- Lewis, R.R. 1994. Enhancement, restoration, and creation of coastal wetlands. Ch. 8 in D. M. Kent, ed., *Applied Wetlands Science and Technology*. Lewis Publishers, Inc. xii+388 pp. + append.
- Lewis, R.R., C. Kruer, S. Treat, and S. Morris. 1994. *Wetland Mitigation Evaluation Report, Florida Keys Bridge Replacement*. Florida Dept. of Transportation WPI No.6116901, SP No. 90000-1560. 88 pp. + appends.
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RECENT REPRESENTATIVE CONSULTING WORK

1. Pelican Island National Wildlife Refuge Island Stabilization and Upland, Freshwater and Marine Wetland Restoration. Sebastian, Florida. 2012. Work ongoing.

Project responsibilities: Design, permitting and supervision of the delivery and placement of 250 tons of fossil oyster shell via helicopter as a breakwater to protect and eventually restore the Pelican Island National Wildlife Refuge (the first established in 1903) as consultant to the U.S. Fish and Wildlife Service.

Required mapping of seagrasses in advance to avoid impact, understanding the history of erosion on the island, and applying this information combined with an understanding of local, state and regional regulations to meet a one-week window of opportunity during 2001. Second and third phase of work in 2002-3. Permits issued on time, project conducted successfully, erosion stopped, island now expanding. 600-acre freshwater wetland/terrestrial restoration site design and assistance with permitting. Ongoing monitoring. Fourth phase of restoration in the planning stages.

Exotic plant control program on eleven dredged material islands within refuge. Work continues.

Contacts: Paul Tritaik, Manager
 J.N. "Ding" Darling National Wildlife Refuge
 U.S. Fish and Wildlife Service
 1 Wildlife Drive
 Sanibel, Florida 33957
 Voice: 01.239.472.1100
 Email: Paul_Tritaik@fws.gov

2. Marine Benthic Infaunal Studies Following Closure of a Gypsum Storage Stack on Tampa Bay, Florida. 1975-2000. 100% complete. NRDA Compensatory Mitigation Design and Implementation (2004-2014) Work Completed.

Contact: David B. Jellerson
Environmental Manager
Mosaic LLC
8813 US Highway 41 S.
Riverview, Florida 33569-4865
Voice: 01.813.671.6297
Fax: 01.813.671.6149
Email: David.Jellerson@mosaicco.com

3. Instructor, Wetlands Development (Restoration) for the U.S. Corps of Engineers (ongoing work, includes having taught in North Carolina, California, and Florida) 1990-2015.

Contact: Robert Lazor
Waterways Experiment Station
Department of the Army, Corps of Engineers
3909 Halls Ferry Rd.
Vicksburg, MS 39180-6199
Voice: 01.601.415.6218
Email: robert134@bellsouth.net

4. Marine Benthic and Environmental Resource Survey and Assessment Near the Atlantic Intracoastal Waterway, Sebastian Inlet to Wabasso Bridge, Indian River County, Florida. Completed January 2003.

Contact: Steve Schropp
Taylor Engineering, Inc.
9000 Cypress Green Drive, Suite 200
Jacksonville, Florida 32256
Voice: 01.904.731.7040
Fax: 01.904.731.9847
Email: sschropp@taylorengeering.com

5. West Lake Park Mangrove Restoration, Ft. Lauderdale, Florida. 200 acres of excavation and restoration and 1,050 acres of hydrologic improvements to mangroves. Total restoration area of 1250 acres. Completed 1991.

Contact: Pat Young
Administrative Manager
Broward County Parks and Recreation Division
950 Oakland Park, Florida 33309
Voice: 01.954.357.8181
Fax: 01.954.537.2854
Email: payoung@broward.org

6. Emergent Marine Habitat Acquisition, Protection, and Restoration Plan for Tampa Bay. Completed 1996.

Contact: Holly Greening, Senior Scientist
Tampa Bay Estuary Program
Mail Station I-1/NEP
St. Petersburg, Florida 33701
Voice: 01.727.893.2765
Fax: 01.727.893.2767
Email: hgreening@tbep.org

7. Clam Bay Mangrove Restoration, Naples, Florida. 100% complete.

Contact: Timothy Hall
Turrell, Hall and Associates, Inc.
3584-B Exchange Avenue
Naples, Florida 33942
Voice: 01.941.643.0166
Fax: 01.941.643.6632
Email: thall@turrell-associates.com

8. Niger Delta Mangrove Restoration and Dredging Best Practices Guidance Document Preparation, Escravos, Nigeria. 100% complete.

Contact: Rene Bernier, Ph.D.
Environmental Technologist
ChevronTexaco Oil Company
4800 Fournace Pl.
Bellaire, TX 77401
Voice: 01.713.432.6632
Fax: 01.713.432.2234
Email: bernirf@ChevronTexaco.com

9. Seagrass Restoration, Experimental Phase, Craig Key, Florida. 1979-81; Seagrass Restoration, Implementation Phase, 134 acres, Florida Keys, 1984-85; Seagrass and Mangrove Restoration Monitoring, Time Zero Plus 10 Years, 1993-94 (Monroe County, Florida).

Contact: Florida Department of Transportation
605 Suwannee Street
Tallahassee, Florida 32399-0405
Voice: 01.850.410.5880
Fax: 01.850.410.5808

10. Instructor, Wetlands Restoration Short Courses

Taught annually at Ohio State University, Columbus, Ohio and Naples, Florida. 1995-2014

Contact: William J. Mitsch, Ph.D.
Director, Everglades Wetland Research Park
Florida Gulf Coast University
4940 Bayshore Drive
Naples, FL 34112
Voice: 01.239.325.1365
Fax: 01.239.732.7043
Email: wmitsch@fgcu.edu

11. Wetland Vegetation Mapping Using Hyperspectral Photography OML-49, Niger Delta, Nigeria. 2004. 100% complete.

Contact: Ross Smart
ChevronTexaco Research and Technology Center
P.O. Box 1627
Richmond, California 94802-0627
Voice: 01.510.242.2914
Fax: 01.510.242.1954
Email: DRSmart@ChevronTexaco.com

12. Seagrass Mitigation Plan Development and Sister Keys Management Plan Development for a Proposed Marina Expansion in Anna Maria Sound, Florida. 2002-2005. 100% complete.

Contact: Raymond M. McLarney
McLarney Inc.
2213 19th Avenue West
Bradenton, Florida 34205
Voice: 01.941.748.4401
Fax: 01.941.748.4402
Email: Taboma1@aol.com

13. Environmental Management of Coastal Resources in Vinh Loi District, Vietnam. 2000-2004. 100% complete.

Contact: Dr. M.E.F. van Mensvoort
Laboratory of Soil Science and Geology
Wageningen University
P.O. Box 37
6700 AA Wageningen
The Netherlands
Voice: 31.317.483029
Fax: 31.317.482419
Email: Tini.vanMensvoort@wur.nl

14. Save Our Bays, Air and Canals, Inc., v. Department of Environmental Protection, Tampa Bay Desal and Tampa Bay Water, City of St. Petersburg, Southwest Florida Water Management District, Pasco County and City of Tampa. State of Florida, Division of Administrative Hearings, Case No. 01-1949. 2001. Impacts to the Marine Environment of Tampa Bay by a Proposed Desalination Plant. Consulting and expert witness testimony. 100% complete.

Contact: Cathy M. Sellers
Moyle Flanigan Katz Kolins
118 North Gadsden Street
Tallahassee, Florida 32301
Voice: 01.850.681.3828
Fax: 01.850.681.8788
Email: csellers@moylelaw.com

15. Seagrass Mitigation Design, Implementation and Monitoring: Manatee County Port Authority, Manatee County Florida. 1998-2002. 100% Complete.

Contact: Cheryl Miller
Bureau of Beaches and Wetland Resources
Florida Department of Environmental Regulation
3900 Commonwealth Blvd., MS 300
Tallahassee, Florida 32399
Voice: 01.850.488.3181

16. Cross Bayou Mangrove Restoration Plan, Permitting, Implementation and Monitoring. 1999-2006. 100% complete.

Contact: John Iliff
Regional Office
NOAA / Restoration Center SE Region
9721 Executive Center Drive N.
Koger Building Suite 114
St. Petersburg, Florida 33701
Voice: 01.727.570.5391
Fax: 01.727.570.5390 Ext. 148
Email: John.Iliff@noaa.gov

17. War Veterans Park Oyster Reef Design, Permitting, Implementation and Monitoring. 2002-2004. 100% complete.

Contact: John Iliff
Regional Office
NOAA /Restoration Center SE Region
9721 Executive Center Drive N.
Koger Building Suite 114
St. Petersburg, Florida 33701
Voice: 01.727.570.5391 Ext. 148
Fax: 01.727.570.5390
Email: John.Iliff@noaa.gov

18. Seagrass Mapping for Proposed New Bridge, Indian River County, Florida. 2000. 100% complete.

Contact: Biological Research Associates
1105 Hays Street
Tallahassee, Florida 32301
Voice: 01.850.681.9700
Fax: 01.850.681.9741
Email: tal@biologicalresearch.com

19. Instructor, Seagrass Ecology, Functional Assessment and Mitigation Workshop, July 2001, Juneau, Alaska.

Contact: Robert Lazor
Waterways Experiment Station
Department of the Army, Corps of Engineers
3909 Halls Ferry Rd.
Vicksburg, Mississippi 39180-6199
Voice: 01.601.415.6218
Email: robert134@bellsouth.net

20. Expert Witness for the U.S. Department of Justice Regarding Seagrass Management and Restoration. U.S.A. and F.D.E.R. v M.C.C of Florida, Inc., and Michaels Construction Company, Case No. 81-2373-CIV-DAVIS, 1981; U.S. v Melvin A. Fisher et al. Case No. CIV - 92-10027 (S.D. FLA), 1997; U.S. v Orlando Padron and the M/V Zarife, Case No. 01-2858 CIV-Middlebrooks/Bandstra (S.D. FLA.) 2002.

Contacts: U.S. Department of Justice
Environment and Natural Resources Division
Expert Witness Unit
601 D Street, NW, Second Floor
Washington, DC 20004

Steve O'Rourke
Environmental Enforcement Section
ENRD/EES
1425 New York Avenue, NW
Washington, DC 20005
Voice: 01.202.514.2779
Fax: 01.202.514.2583
Email: steve.o'rourke@usdoj.gov

21. Seagrass Mapping of Biscayne National Park for the National Park Service. 1997-98.

Contact: Leanne Daniels, Purchasing Agent
National Park Service
Everglades National Park
40001 State Road 9336
Homestead, Florida 33034-6733

22. Instructor, Mangrove Management and Restoration: The Importance of Hydrology. February 2003. Ft. Lauderdale, Florida. In conjunction with The Mangrove Action Project.

Contact: Perry Gayaldo, Ph.D.
NOAA Fisheries' Restoration Center

7600 Sand Point Way NE
Seattle, Washington 98115
Voice: 01.206.526.6029
Fax: 01.206.526.6665
Email: perry.gayaldo@noaa.gov

23. Expert Witness Testimony, Crystal Springs Recreational Preserve, Inc., v. Southwest Florida Water Management District, Case No. 99-1415, State of Florida, Division of Administrative Hearings. 1999. Subject area: Estuarine Fish and Plant Biology.

Contact: John H. Rains III
John H. Rains III P.A.
501 East Kennedy Blvd., Suite 750
Tampa, Florida 33602-5257
Voice: 01.813.221.2777
Fax: 01.813.221.3737
Email: jrains@johnrains.com

24. Preliminary Range Assessment: Patricia Target Jet Aircraft Range. Underwater biological assessment and mapping: sunken ship used for jet aircraft target practice offshore of the Marquesas Keys, Monroe County, Florida. 100% Complete. October 1996. Contract No. N62467-92-D-2768.

Contact: Jack R. Bair, Contract Specialist
Naval Air Station Key West
SOUTHDIV Contracts Office
Building A718
P.O. Box 9018
Key West, Florida 33040-5000
Voice: 01.305.293.2905

25. Expert Witness for the U.S. Department of Justice Regarding Seagrass Restoration. U.S. v. Charles A. Stivers, etc., et al. U.S. District Court Case No. 02-10095.CIV-KING. 2003.

Contacts: U.S. Department of Justice
Environment and Natural Resources Division
Expert Witness Unit
601 D Street, NW, Second Floor
Washington, DC 20004

Patricia Hurst
Environmental Enforcement Section
ENRD/EES
P.O. Box 7611
Washington, DC 20004-7611
Voice: 01.202.514.2779
Fax: 01.202.514.2583
Email: Patricia.Hurst@usdoj.gov

26. Consulting for ChevronTexaco Oil Company. 1998-2003.

Tasks included assisting the ChevronTexaco Remote Sensing Group with mapping mangroves and associated wetlands in the inshore oil fields in the Niger Delta in Nigeria, in the vicinity of the Escravos facilities on the Escravos River. Additional tasks included working with the Nigeria Environmental

Change Program to document changes in freshwater and marine wetland cover over time and to determine what the causes were, and what restoration could be accomplished. Finally a mangrove mitigation program covering 10 sites and totaling several hundred hectares was developed, and a pilot mangrove mitigation program undertaken to offset wetland losses due to the construction of the Escravos Gas to Liquids (EGTL) plant facility under construction at Escravos. Ten trips including aerial photography overflights, field work and ground truthing of vegetation types were completed during this time period. All tasks were completed on time and within budget.

Contacts: Ross Smart

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Richmond, California 94802-0627
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Email: LUAJ@chevron.com

Cheryl Robnett
Chevron Nigeria Limited
2 Chevron Drive
Lekki Peninsula
Lagos, Nigeria PMB1282
Email: OBNE@chevron.com

27. Mangrove Rehabilitation After Shrimp Aquaculture: A Case Study in Progress at the Don Sak National Forest Reserve, Surat Thani, Southern Thailand. 2000. 100% complete.

Partially funded by a grant from the Rockefeller Brother's Fund to Wetlands International.

Contact: Asae Sayaka
Wetlands International – Thailand Programme
Prince of Songkla University
P.O. Box 95, Kor Hong Post Office
Hat Yai 90112, Thailand
Voice/Fax: +66.74.429307
Email: awsaes@ratree.psu.ac.th

28. Expert witness services to the Department of Justice during the court cases Barcelo v. Brown et al. (78-323) and Medina et al. v. Brown et al. (78-377), United States District Court, San Juan, Puerto Rico (1978). Accepted as an expert witness on mangrove forest management and restoration.

Contact: Richard M. Cornelius
The Environmental Company, Inc.
P.O. Box 5127

Charlottesville, Virginia 22905
Voice: 01.434.295.4446
Email: RMCornelius@tecinc.com

29. Restoration of a seagrass meadow (5,147 square meters) and mangrove forest (13,058 square meters) as mitigation for port dredging associated with power plant development, AES Puerto Rico.

Five years of monitoring and maintenance completed in July 2004. Project met or exceeded all permit required success criteria.

Contact: William Vela
AES Puerto Rico
Caretera #3
Kilometer 142.0
Bo. Jobos
Guayama, Puerto Rico 00785
Voice: 01.787.866.8117 Ext 239
Email: Bill.Vela@AES.com

30. Expert witness on freshwater wetlands and freshwater wetlands restoration for the Department of Justice, U.S. v. Parks B. Banks, Case No. 95-5167, Southern District of Florida.

Contact: U.S. Department of Justice
Environment and Natural Resources Division
Expert Witness Unit
601 D. Street, NW, Second Floor
Washington, DC 20004

31. Expert witness on seagrass restoration for the Department of Justice, The Standard Fire Insurance Company v. Jack Nudel and the U.S.A, Case No. 04-20015-CIV-Ungaro Benages, Southern District of Florida. Work 100% complete, March, 2005.

Contact: Amy R. Gillespie
Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
Washington, DC
Voice: 01.202.616.8754
Fax: 01.202.514.2583
Email: Amy.gillespie@usdoj.gov

32. Master Plan for the Management of the Environmentally Sensitive Lands Within the Port Manatee Planning Area.

Mapping and management plan development of 2600 acres of freshwater wetlands, marine wetlands and upland habitat on Tampa Bay. Client: Tampa Electric Company. 1989-1994. Project awarded the Ecological Society of America's corporate award, given to both Tampa Electric and Lewis Environmental.

Contact: Rick Hager
TECO Energy
P.O. Box 111
Tampa, Florida 33601
Voice: 01.813.228.4937

33. Replacement of Main Transmission Line, Dade County to Monroe County Line, Florida Power and Light Company. Preconstruction and construction environmental services in freshwater and brackish wetlands, South Dade County, Florida. 1992.

Contact: Florida Power and Light Company
P.O. Box 088801
North Palm Beach, Florida 33408
Voice: 01.407.625.7627

34. Freshwater Flow and Ecological Relationships in Biscayne Bay, Florida. Contract No. C-15967 to Barnes Ferland and Associates, Orlando, Florida. Subcontract to Lewis Environmental Services, Inc. 2003-2004. 100% complete.

Contact: Rick Alleman
South Florida Water Management District
Mail Station Code 4420
P.O. Box 24680
West Palm Beach, Florida 33416
Voice: 01.561.682.6716
Fax: 01.561.640.6815
Email: ralleman@sfwmd.gov

35. A Summary of Technical Literature Related to Freshwater Inflow Effects on Tidal Wetland Communities. P.O. # 04PCSSOW0068. 2005. 100% complete.

Contact: Michael S. Flannery
Senior Environmental Scientist
Southwest Florida Water Management District
2379 Broad Street
Brooksville, Florida 34604-6899
Voice: 01.352.796.7211 Ext. 4277
Email: sid.flannery@swfwmd.state.fl.us

36. Preparation of Permit Applications and Processing Through the St. Johns River Water Management District and the US Army Corps of Engineers for Phase III of the Pelican Island Restoration Project. 2004. 100% complete.

Contact: David L. Cox, Ph.D.
President, Pelican Island Preservation Society
1962 14th Avenue
Vero Beach, Florida 32960
Voice: 01.772.564.0540
Fax: 01.772.564.0850
Email: davidlcox@earthlink.net

37. Tidal Marsh, Mangrove Forest and Seagrass Mapping and Damage Assessment and Mitigation Following the Discharge of Acid Water From a Fertilizer Manufacturing Facility in Riverview, Florida. Ongoing work.

Contact: David Jellerson
Assistant Vice-president, Environmental
Mosaic Fertilizer, LLC.
P.O. Box 2000
5000 Old Hwy 37 S.
Mulberry, Florida 33860
Voice: 01.863.428.6480
Email: david.jellerson@mosaicco.com

38. Expert witness services to Manasota 88, Application for Power Plant Certification, Florida Power and Light Company, Manatee Orimulsion Project, Application No. 94-35. Case No. 94-5675 EPP, OGC No. 94-3191. 1994.

Contact: Thomas W. Reese, Attorney at Law
2951 61st Avenue South
St. Petersburg, Florida 33712
Voice: 01.813.867.8228
Fax: 01.813.867.2259
Email: twreeseesq@AOL.COM

39. Scientific peer review services for the US Army Corps of Engineers for the document: "Large scale submerged aquatic vegetation restoration in Chesapeake Bay: Status Report, 2003-2006."

Contact: Deborah J. Shafer, Ph.D.
Research Marine Biologist
US Army Corps of Engineers
Engineer Research and Development Center
3609 Halls Ferry Road
Vicksburg, Mississippi 39180
Voice: 01.601.634.3650
Email: Deborah.J.Shafer@erdc.usace.army.mil

40. Davis Park Dredged Material Spill Evaluation – St. Johns County, Florida, for Moseley, Prichard, Parrish, Knight & Jones.

R. Lewis was the wetlands expert responsible for evaluating NE Florida freshwater swamp impacted by saline mud spill. Inspected site, examined hydrology, interpreted aerial photos, developed maps and reports, reviewed salinity and vegetation data, and advised attorneys as to likely ecological outcomes of various management and restoration scenarios. 2007.

Contact: Phillip A. Buhler, Attorney at Law
Mosely Prichard Parrish Knight and Jones
501 West Bay Street
Jacksonville, Florida 32202
Voice: 01.904.356.1306
Email: pabuhler@mppkj.com

41. Mangrove Forest and Seagrass Meadow Ecology, Management, and Restoration Training Course. Kingston, Jamaica, March 25-29, 2008. For the National Environment and Planning Agency of Jamaica.

Contact: Tamara Archer- Cameron
Senior Training Officer
National Environment and Planning Agency
10-11 Caledonia Ave
Kingston 5, Jamaica, West Indies
Voice: 01.876.754.7540 Ext 2117
Email: TArcher-Cameron@nepa.gov.jm

42. Sierra Club/St. Johns Riverkeeper, Inc., v. FCC Partners LP, LTD et al. and the St. Johns River Water Management District. DOAH Case No. 05-0130.

R. Lewis was the wetlands expert representing the Sierra Club and the St. Johns Riverkeeper in opposition to the issuance of permit to fill freshwater forested wetlands in Duval County. Accepted as an expert in wetlands, freshwater wetlands, wetlands restoration. 2005.

Contact: Kenneth B. Wright, Esq.
Bledsoe, Jacobson, Schmidt, Wright, Land and Wilkinson
1301 Riverplace Blvd., Suite 1818
Jacksonville, Florida 32207
Voice: 01.904.398.1818
Fax: 01.904.398.7073
Email: ken@jacobsonwright.com

43. Broward County v. Almaden Associates and Ray Qualmann Marine Construction.

R. Lewis was the seagrass expert documenting presence or absence and possible impacts to *Halophila decipiens* and *Halophila johnsonii* related to dock construction.

Contact: James M. Porter, P.A.
2920 SunTrust International Center
One Southeast Third Avenue
Miami, Florida 33131
Voice: 01.786.425.2299
Mobile: 01.305.613.4032
Fax: 305-536-6495
Email: jim@jamesporterpa.com

44. St. Johns Riverkeeper, Inc. et al v. the St. Johns River Water Management District and Seminole County DOAH Case No. 08-1316, 17, 18.

R. Lewis was the wetlands expert representing the St. Johns Riverkeeper in opposition to the issuance of permit to withdraw freshwater from the St. Johns River. Accepted as an expert in ecology. 2008.

Contact: Kenneth B. Wright, Esq.
Bledsoe, Jacobson, Schmidt, Wright, Land and Wilkinson
1301 Riverplace Blvd.
Suite 1818
Jacksonville, Florida 32207
Voice: 01.904.398.1818
Fax: 01.904.398.7073
Email: ken@jacobsonwright.com

45. Compensatory Mangrove Park Mitigation, Navi Mumbai, India Airport.

Expert consultation with CIDCO Ltd on mangrove mitigation for the 1160-ha new airport construction and mangrove impacts. Ongoing. USD \$100,000.

Contact: Soma Vijayakumar, Transportation Engineer
CIDCO LTD
Navi Mumbai, India – 400 614
Thane-Maharashtra, India
Voice: 91.22.67918616
Email: yksoma@gmail.com

46. Restoration of Abandoned Aquaculture Ponds Back to Mangroves in Indonesia.

Expert consultation on methods of mangrove restoration and teaching of Ecological Mangrove Restoration. Ongoing. USD \$30,000.

Contact: Ben Brown
Co-founder Indonesian Resilience Institute for the Environment
Director, Mangrove Action Project – Indonesia
Nyuh Kuning, Bali, Indonesia
Voice: 62.85857191274
Email: seagrassroots@gmail.com

47. Restoration of the Negril Great Morass, Negril, Jamaica.

Expert consultation on GIS mapping and resource assessment for restoration of a 2400-ha saw grass and mangrove swamp on the west coast of Jamaica. Complete. USD \$200,000.

Contact: Maxine Hamilton
Negril Area Environmental Protection Trust
POB 2599
Westmoreland, Jamaica
Email: nept_negril@yahoo.com

48. 1) John U. Lloyd Park Mangrove Restoration, 23 acre site, 1988-1990 for Port Everglades, Florida (Mrs. Beckett was the port engineer at the time); (2) Pelican Island National Wildlife Refuge, Indian River County Florida, upland and wetland restoration plan - 300 acres - 2001-2002 Client was the USFWS and (3) 18-mile strip widening Dade and Monroe County, Florida, freshwater and marine wetland restoration as advanced mitigation for proposed road widening, client was FDOT 1997-1999.

Contact: **Teri A. Beckett, P.E., G.C.**
Senior Environmental Engineer
SKS Engineering and Planning, Inc.
185 Berry Street, Suite 2200
Berkeley, CA 94707
Office: 510-525-4900
Mobile: 954-868-6065
Email: TERI@SKSENGINEERINGINC.COM