

CURRICULUM VITAE

ROY R. (ROBIN) LEWIS III, M.A., C.E.P., P.W.S.

President, Principal Ecologist

Office:

PO Box 5430
Salt Springs, FL. USA 32134
Voice: 352.546.4842
800 Number: 01.888.889.9684
Facsimile: 01.352.546.5224
Mobile: 01.813.505.3999
E-mail: LESRRL3@AOL.COM
Web: WWW.LEWISENV.COM
WWW.MANGROVERESTORATION.COM
WWW.SEAGRASSRESTORATIONNOW.COM
WWW.ROYRLEWIS3.COM

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-
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, 1970-73

Professional Certification

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 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)

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
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 – 1994

Professional Memberships

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

Professional Activities

Invited Participant, Deltas 2010, New Orleans, Louisiana.
Instructor, Mangrove Forest Ecology, Management and Restoration training course. Nassau, The Bahamas, May3-5, 2009. Sponsored by the Government of the Bahamas.
Member, Board of Directors, Society of Wetland Scientists. 2008-
Member, Board of Directors, Society of Wetland Scientists Professional Certification Program, 2008-
Invited Expert, “Envisioning the Future of the Gulf Coast”, Expert Panel on Coastal Restoration advising the Governor of Louisiana, New Orleans, LA, April 25-27, 2006
Invited Expert, The Nature Conservancy, Central and South Florida Marine Ecoregional Assessment – Experts Review Workshop, Key Largo, Florida, June 14 and 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, DC, 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, 19-24 January 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-
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-
Technical Advisory Committee, Tampa Bay National Estuary Program, 1991-
Instructor, U. S. 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

Restore America's Estuaries, 2010, Galveston, TX. 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 Simposio 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, U.S. 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, D.C., 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.

U.S. 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, LA. Topic: Current Status and Future Needs of Wetland Restoration

Recent Publications

- Lewis, RR. 2009. Knowledge overload, wisdom underload. *Ecological Engineering*. 35:341-342.
- Lewis, RR. 2009. Mangrove field of dreams: if we build it, will they come? SWS Research Brief. 4 pages.
- Stanley, O, and RR Lewis III. 2009. Strategies for mangrove rehabilitation in an eroded coastline of Selangor, Peninsular Malaysia. *J. Coastal Development* 12(3):144-156.
- Lewis, RR. 2009. Methods and criteria for successful mangrove forest restoration. Chapter 28., pages 787-800 in GME Perillo, E Wolanski, DR Cahoon, and MM Brinson (eds.) *Coastal Wetlands: An Integrated Ecosystem Approach*. Elsevier Press.
- Bosire, JO., F. Dahdough-Guebas, M. Walton, B.I. Crona, R.R. Lewis III, C. Field, J.G. Kairo and N. Koedam. Functionality of restored mangroves: A review. 2008. *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. 4500010540. 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. Pages 243-247 in Program and Presentations of the Boating and Waterways Management in Florida meeting, Cocoa Beach, Florida, November 1-3, 2006.
- Erfteimeijer, PLA, and RR 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. Pages 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 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 p.
- Lewis III, R. R., A. B. Hodgson, and G. S. Mauseth. 2005. Project facilitates the natural reseeded 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.
- Braun, G., Lewis, R., Watson, J. 2004. Freshwater Flow and Ecological Relationships in Biscayne Bay. Tasks 1-6. SFWMD Contract C-15967-Wo0-06. West Palm Beach, FL.
http://www.sfwmd.gov/org/wsd/mfl/biscaynebay/project_doc.htm
- 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, FL.
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>
- Getter, CD, and RR Lewis. 2003. Spill response that benefits the long-term recovery of oiled mangroves. Pages 1-12 in Proceedings of the 2003 International Oil Spill Conference.
- Lewis, R.R., A.B. Hodgson, M. Tooze and C.D. Kruer. 2002. The distribution of seagrass and benthic habitats westward of the patch reef system boundary in Biscayne National Park, Florida, USA. Pages 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. Pages 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. Pages 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. U.S. 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.

- Erfteimeijer, P. L. A., and R. R. Lewis III. 2000. Planting mangroves on intertidal mudflats: habitat restoration or habitat conversion? Pages 156-165 in Proceedings of the ECOTONE VIII Seminar "Enhancing Coastal Ecosystems Restoration for the 21st Century, Ranong, Thailand, 23-28 May 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. Pages 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. Pages 12-32 in Proceedings of the TCE-Workshop No. II, Coastal Environmental Improvement in Mangrove/Wetland Ecosystems, 18-23 August 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. Page 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. Pages 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. Page 126 in Programa/Resumenes de Congressso de Ciencias del Mar, Marcuba '97, 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. Pages 126-127 in Programa/Resumenes de Congressso de Ciencias del Mar, Marcuba '97, 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, pages 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, D. C.
- 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, 7-11 June 1993. Pages 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 non-indigenous plant species. Pp.248-254 in D.C. Schmitz and T.C. Brown (eds.), *An Assessment of Invasive Non-Indigenous 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.
- Lewis, R. R. 1994. Scientific perspectives on on-site, off-site, in-kind/out-of-kind mitigation. Pp.101-106 in J. A. Kusler and C. Lassonde (eds.), *Effective Mitigation: Mitigation Banks and Joint Projects in the Context of Wetland Management Plans*. Proceedings of the National Wetland Symposium, 24-27 June 1992, West Palm Beach, FL. U.S. Environmental Protection Agency, Washington, DC.
- Lewis, R. R. 1993. Boating impacts to seagrass flats and development impacts to shorelines in the Florida Keys Marine Sanctuary. Summary of a presentation, Proceedings of the Second Annual Coral Reef Coalition Conference, May 13-15, 1993. Islamorada, FL
- Johansson, J. O. R., and R. R. Lewis. 1992. Recent improvements of water quality and biological indicators in Hillsborough Bay, a highly impacted subdivision of Tampa Bay, Florida, USA International Conference on Marine Coastal Eutrophication, Bologna, Italy, March 1990. Pp. 1199-1215 in *Science of the Total Environment*, Supplement 1992. Elsevier Publishers, Amsterdam. 1310 pp.
- Lewis, R. R. 1992. Coastal Ecosystems. *Columbian Quincentennial Issue, Restoration & Management Notes* 10(1):18-20.
- Lewis, R. R. 1992. Why Florida Needs Mitigation Banking. *National Wetlands Newsletter* 14(1):7.
- Lewis, R. R. 1992. Coastal habitat restoration as a fishery management tool. Pp. 169-173 in R. H. Stroud (ed.), *Stemming the Tide of Coastal Fish Habitat Loss*. Proceedings of a Symposium on Conservation of Coastal Fish Habitat, Baltimore, Md., March 7-9, 1991. National Coalition for Marine Conservation, Inc., Savannah, GA.
- Lewis, R. R., K. D. Haddad and J. O. R. Johansson. 1991. Recent areal expansion of seagrass meadows in Tampa Bay, Florida: real Bay improvement or drought-induced? Pp.189-192 in S. F. Treat and P. A. Clark (eds.), *Proceedings, Tampa Bay Area Scientific Information Symposium 2* [February 27 - March 1, 1991]. Tampa BASIS 2, C/O TEXT, P.O. Box 291387, Tampa, FL 33687. vii + 528 pp.
- Crewz, D. W., and R. R. Lewis. 1991. Evaluation of historical attempts to establish emergent vegetation in marine wetlands in Florida. Florida Sea Grant Technical Paper No.60. Florida Sea Grant College, Gainesville. 79 pp + append.
<http://nsgl.gso.uri.edu/flsgp/flsgpt91001/flsgpt91001index.html>
- Lewis, R. R. 1990. Ch. 4, Laboratory culture methods. Pp. 37-41 in R. C. Phillips and C. P. McRoy (eds.), *Seagrass Research Methods*. UNESCO, Paris. 210 pp.
- Lewis, R. R. 1990. Creation and restoration of coastal plain wetlands in Florida. Pp. 73-101 in J. A. Kusler and M. E. Kentula (eds.), *Wetland Creation and Restoration: The Status of the Science*. Island Press, Washington, D.C. xxv + 595 pp.
- Lewis, R. R. 1990. Creation and restoration of coastal wetlands in Puerto Rico and the U.S. Virgin Islands. Pp.103-123 in J. A. Kusler and M. E. Kentula (eds.), *Wetland Creation and Restoration: The Status of the Science*. Island Press, Washington, D.C. xxv + 595 pp.

- Lewis, R. R. 1990. Wetlands Restoration/Creation/Enhancement Terminology: Suggestions for Standardization Pp.417- 422 in J. A. Kusler and M. E. Kentula (eds.), Wetland Creation and Restoration: The Status of the Science. Island Press, Washington, D.C. xxv + 595 pp.
- Ballou, T. O., and R. R. Lewis. 1989. Environmental assessment and restoration recommendations for a mangrove forest affected by jet fuel. Pp.407-412 in Proceedings, 1989 Oil Spill Conference (Prevention, Behavior, Control, Cleanup). February 13-16, 1989.
- Ballou, TG, and RR Lewis III. 1989. Environmental assessment and restoration recommendations for a mangrove forest affected by jet fuel. Pages 407- 412 in the Proceedings of the 1989 Oil Spill Conference, San Antonio, Texas. API, USEPA and USCG.

Publications prior to 1989

- Lewis, R. R., and W. M. Courser. 1972. McKay Bay: past, present and future. Save Our Bay, Inc. and the Tampa Audubon Society. 57 Pp.
- Lewis, R. R., and F.M. Dunstan. 1974. Possible use of dredged material to replace lost coastal vegetation in Florida. Pp. 35-36 in R. R. Lewis and J. Thomas (eds.). Proceedings of the First Annual Conference on Restoration of Coastal Vegetation in Florida. Florida Audubon Society, Maitland., FL.
- Detweiler, T., F.M. Dunstan, R. R. Lewis and W. K. Fehring. 1975. Patterns of secondary succession in a mangrove community, Tampa Bay, Florida. Pp.52-81 in R. R Lewis (ed.) Proceedings of the Second Annual Conference on Restoration of Coastal Vegetation in Florida. 203 pp.
- Lewis, R. R. and F.M. Dunstan. 1975. Possible role of *Spartina alterniflora* Loisel. in establishment of mangroves in Florida. Pp. 82-100 in R. R. Lewis (ed.) Proceedings of the Second Annual Conference on Restoration of Coastal Vegetation in Florida. 203 pp.
- Lewis, R. R. and F.M. Dunstan. 1975. Use of spoil islands in reestablishing mangrove communities in Tampa Bay, Florida. Pp.766-775 in G. Walsh et al. (eds.), Proceedings of the International Symposium on Biology and Management of Mangroves, Vol. II. Gainesville, Florida.
- Lewis, R. R. 1977. Impacts of dredging in the Tampa Bay estuary, 1876-1976. Pp.31-55 in E.L.Pruitt(ed.), Proceedings of the Second Annual Conference of the Coastal Society - Time-stressed Environments: Assessment and Future Actions. Coastal Society, Arlington, Virginia.
- Lewis, R. R. and C. S. Lewis. 1977. Tidal marsh creation on dredged material in Tampa Bay, Florida. Pp.45-47 in R R. Lewis and D.P. Cole (eds.) Proceedings of the Fourth Annual Conference on Restoration of Coastal Vegetation in Florida. 187 pp.
- Lewis, R. R. and C. S. Lewis. 1978. Colonial bird use and plant succession on dredged material islands in Florida. Volume II. Patterns of Vegetation Succession. Environmental Effects Laboratory, U.S. Army Corps of Engineers Waterways Experiment Station, Vicksburg, Mississippi. 196 pp.
- Lewis, R. R. 1979. Mangroves and oil spills: the aftermath of the Howard Star oil spill. II. Scientist (suppl):26. (Abstract).
- Lewis, R. R., C. S. Lewis, W. K. Fehring and J. R. Rodgers. 1979. Coastal habitat mitigation in Tampa Bay, Florida. A Swanson (ed.). Proceedings of the Mitigation Symposium. General technical report RM~5. U.S. Dept. of Agriculture, Ft. Collins, Colorado. 696 pp.
- Lewis, R. R. 1979. Large scale mangrove planting on St. Croix, U.S. Virgin Islands. Pp.231-242 in D. P. Cole (ed.) Proceedings of the Sixth Annual Conference on Wetlands Restoration and Creation. Hillsborough Community College, Tampa, Florida. 357 pp.

- Lewis, R. R. 1980. Bibliography on impacts of oil spills in mangrove forests. Mangrove Systems, Inc., Tampa, Florida. 4 pp.
- Lewis, R. R. 1980. Oil and mangrove forests: observed impacts 12 months after the Howard Star oil spill. Fla. Scientist 43 (suppl.):23. (Abstract)
- Lewis, R. R. and R. C. Phillips. 1980. Occurrence of seeds and seedlings of *Thalassia testudinum* Banks ex Konig in the Florida Keys, U.S.A. Aq. Botany 9(4):377-380.
- Lewis, R. R. 1981. Economics and feasibility of mangrove restoration. Pp. 88-94 in Proceedings of the Coastal Ecosystems Workshop, U.S. Fish and Wildlife Service. FWS/OBS-80/59.
- Lewis, R. R. and K. C. Haines. 1981. Large scale mangrove planting on St. Croix, U. S. Virgin Islands: Second year. Pp.137-148 in D.P. Cole (ed.) Proceedings of the Seventh Annual Conference on Restoration and Creation of Wetlands. Hillsborough Community College, Tampa, Florida. 294 pp.
- Lewis, R. R. and R. C. Phillips. 1981. Experimental seagrass mitigation in the Florida Keys. Pp.155-173 in D. P. Cole (ed.) Proceedings of the Seventh Annual Conference on Restoration and Creation of Wetlands. Hillsborough Community College, Tampa, Florida. 294 pp.
- Courser, W. D. and R. R. Lewis. 1981. The use of marine revegetation for erosion control on the Palm River, Tampa, Florida. Pp.125-136 in Proceedings of the Seventh Annual Conference on Restoration and Creation of Wetlands. Hillsborough Community College, Tampa, Florida. 294 pp.
- Lewis, R. R., R C. Phillips and R. Lombardo. 1981. Seagrass mapping project, Hillsborough County, Florida. Fla. Scientist 44(suppl.):25. (Abstract).
- Lewis, R. R., editor. 1982. Creation and Restoration of Coastal Plant Communities. CRC Press, Boca Raton, Florida. 219 pp.
- Lewis, R. R. 1982. Mangrove Forests. Ch. 8, pp. 153-172 in R. R Lewis (ed.), Creation and Restoration of Coastal Plant Communities. CRC Press, Boca Raton, Florida. 219pp.
- Lewis, R. R. 1982. Low marshes, peninsular Florida. Ch. 7, pp. 147-152 in R. R Lewis (ed.), Creation and Restoration of Coastal Plant Communities. CRC Press, Boca Raton, Florida. 219pp.
- Lewis, R. R. 1983. Impact of oil spills on mangrove forests. Pp.171-183 in H. J. Teas (ed.), Biology and Ecology of Mangroves. Tasks for Vegetation Science 8. Dr. W. Junk, The Hague. 188 pp.
- Estevez, E.D., S. A. Rice, R. R. Lewis and B. D. Fortune. 1983. Lower Hillsborough River shoreline inventory. Fla. Scientist 46(Suppl.):55. (Abstract).
- Lewis, R. R. 1983. Protection and management of seagrass meadows - is it working? Fla. Scientist 46(Suppl.):15 (Abstract).
- Lewis, R. R., J. M. Carlton and R. Lombardo. 1983. Algal consumption by the manatee (*Trichechus manatus* L.) in Tampa Bay, Florida. Fla. Scientist 47(2):189-191.
- Derrenbacker, J. A., and R. R. Lewis. 1983. Seagrass habitat restoration, Lake Surprise, Florida Keys. Pp.132-154 in Proceedings of the Ninth Annual Conference on Wetlands Restoration and Creation. Hillsborough Community College, Tampa, Florida.
- Palik, T. F., and R. R. Lewis. 1983. Southwestem Florida ecological characterization: an ecological atlas. Map narratives. U.S. Fish and Wildlife Service, Division of Biological Services. FWS/OBS-82/47. 329 pp.

- Phillips, R. C., and R. R. Lewis. 1983. Influence of environmental gradients on variations in leaf widths and transplant success in North American seagrasses. *J. Mar. Tech Soc.* 17(2)59-68.
- Getter, CD, G Cintron, B Dicks, , RR Lewis III, and ED Seneca. 1984. The recovery and restoration of salt marshes and mangroves following an oil spill. Chapter 3, pages 65-113 in J Cairns Jr. ad A Buikema Jr. (eds) *Restoration of Habitats Impacted by Oil Spills*. Butterworth Publishers, Boston.
- Lewis, R. R., M. J. Durako, M.D. Moffler and R. C. Phillips. 1985. Seagrass meadows of Tampa Bay. Pp.210-246 in S. F. Treat, J. L. Simon, R. R. Lewis III and R. L. Whitman, Jr. (eds.), *Proceedings, Tampa Bay Area Scientific Information Symposium [May 1982]*. Burgess Publishing Co., Minneapolis. 663 pp.
- Lewis, R. R., and R. L. Whitman. 1985. A new geographic description of the boundaries and subdivisions of Tampa Bay, Florida. Pp. 10-18 in S. F. Treat, J. L. Simon, R. R. Lewis III and R. L. Whitman, Jr. (eds.), *Proceedings, Tampa Bay Area Scientific Information Symposium [May 1982]*. Burgess Publishing Co., Minneapolis. 663 pp.
- Hoffman, W. E., M. J. Durako and R. R. Lewis. 1985. Habitat restoration in Tampa Bay. Pp. 636~57 in S. F. Treat, J. L. Simon, R. R. Lewis III and R. L. Whitman, Jr. (eds.), *Proceedings, Tampa Bay Area Scientific Information Symposium [May 1982]*. Burgess Publishing Co., Minneapolis. 663 pp.
- Derrenbacker, J. A and R. R. Lewis. 1985. Live bottom communities of Tampa Bay, Florida. Pp. 385-392 in S. F. Treat, J. L. Simon, R. R. Lewis III and R. L. Whitman, Jr. (eds.), *Proceedings, Tampa Bay Area Scientific Information Symposium [May 1982]*. Burgess Publishing Co., Minneapolis. 663 pp.
- Lombardo, R. and R. R. Lewis. 1985. Commercial fisheries data: Tampa Bay, Florida. Pp. 614-434 in S. F. Treat, J. L. Simon, R. R. Lewis III and R. L. Whitman, Jr. (eds.). *Proceedings, Tampa Bay Area Scientific Information Symposium [May 1982]*. Burgess Publishing Co., Minneapolis. 663 pp.
- Treat, S. F., J. L. Simon, R. R. Lewis and R. L. Whitman, Jr., editors. 1985. *Proceedings, Tampa Bay Area Scientific Information Symposium [May 1982]*. Burgess Publishing Co., Minneapolis. 663 pp.
- Lewis, R. R., R. G. Gilmore, Jr., D. W. Crews and W. E. Odum. 1985. Mangrove habitat and fishery resources of Florida. Pp. 281-336 in W. Seaman, Jr. (ed.), *Florida Aquatic Habitat and Fishery Resources*. Florida Chapter, American Fisheries Society, Kissimmee, Florida. 543 pp.
- Lewis, R. R. 1986. Marine wetland loss in Tampa Bay and management/restoration recommendations. Pp. 159-174 in E. D. Estevez, J. Miller, J. Morris and R. Hamman (eds.), *Proceedings of the Conference on Managing Cumulative Effects in Florida Wetlands*. Sarasota, Florida. 326 pp. + app.
- Lewis, R. R. 1987. The restoration and creation of seagrass meadows in the southeastern United States. Pages 153-173 in M. J. Durako, R. C. Phillips and R. R. Lewis (eds.), *Proceedings of the Symposium on Subtropical Seagrasses of the Southeastern United States*. Fla. Dept. of Natural Resources Mar. Res. Pub. No.42. St. Petersburg, Florida. 209 pp.
- Treat, S. F. and R. R. Lewis. 1988. *Annual Conference on Wetlands Restoration and Creation Proceedings (1974-1987): summary of proper citations and listing of contents*. Mangrove Systems, Inc. 21pp.
- Lewis, R. R., and E. D. Estevez. 1988. *The Ecology of Tampa Bay, Florida: an Estuarine Profile*. National Wetlands Research Center, U.S. Fish and Wildlife Service. Biological Report No.85(7.18). 132 pp.
- Mattson, R. A, J. A. Derrenbacker, Jr. and R. R. Lewis III. 1988. Effect of thermal addition from the Crystal River generating complex on the submergent macrophyte communities in Crystal Bay, Florida. Pp. 11-67 in K. Mahadevan, R. K. Evans, P. Behrens, T. Biffar and L. Olsen (eds.). *Proceedings, Southeastern Workshop on Aquatic Ecological Effects of Power Generation [December 1986]*. Mote Marine Laboratory, Sarasota, Florida. Report No.124. 546 pp.

Recent Representative Consulting Work

1. Pelican Island National Wildlife Refuge Island Stabilization, and Upland, Freshwater and Marine Wetland Restoration, Sebastian, Florida. 90% complete at this point. 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 US Fish and Wildlife Service. Required mapping of seagrasses in advance to avoid impact and 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. Permits issued on time, project conducted successfully, erosion stopped, island now expanding. 600 acre freshwater wetland/terrestrial restoration site design and assistance with permitting.

Contact: Paul Tritaik
Manager
J.N. "Ding" Darling National Wildlife Refuge
U.S. Fish and Wildlife Service
1 Wildlife Drive.
Sanibel, FL 33957
Ph. 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.

Contact: David B. Jellerson
Environmental Manager
Mosaic LLC
8813 US Highway 41 S.
Riverview, FL 33569-4865
Ph. 813.671.6297
Fax: 813.671.6149
Email: David.Jellerson@mosaicco.com

3. Instructor, Wetlands Development (Restoration) for the U.S. Corps of Engineers (ongoing work and has included teaching in North Carolina, California, and Florida) 1990-2009

Contact: Robert Lazor
Waterways Experiment Station
Department of the Army, Corps of Engineers
3909 Halls Ferry Rd.
Vicksburg, MS 39180-6199
Ph. 800.522.6937 Ext. 2935
Fax 601.634.3528
Email: Bob.L.Lazor@usace.army.mil

4. Marine Benthic and Environmental Resource Survey and Assessment Near the Atlantic Intracoastal Waterway, Sebastian Inlet to Wabasso Bridge, Indian River Count, Florida. 100% complete January 2003.

Contact: Steve Schropp

Taylor Engineering, Inc.
9000 Cypress Green Drive
Suite 200
Jacksonville, FL 32256
Ph. 904.731.7040
Fax 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 = 1250 acres. Complete 1991.

Contact: Pat Young
Administrative Manager
Broward County Parks and Recreation Division
950 Oakland Park, FL 33309
Ph. 954.357.8181
Fax 954.537.2854
Email: payoung@broward.org

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

Contact: Holly Greening, Senior Scientist
Tampa Bay Estuary Program
Mail Station I-1/NEP
St. Petersburg, FL 33701
Ph. 727.893.2765
Fax 727.893.2767
Email: hgreening@tbep.org

7. Clam Bay Mangrove Restoration, Naples, Florida. 75% complete.

Contact: Timothy Hall
Turrell and Associates, Inc.
3584-B Exchange Avenue
Naples, FL 33942
Ph. 941.643.0166
Fax 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
Ph. 713.432.6632
Fax 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
Ph. 850.410.5880
Fax 850.410.5808

10. Instructor, Wetlands Restoration Short Courses. Taught annually at the Ohio State University, Columbus, Ohio, and Naples, Florida. 1995-2009

Contact: William J. Mitsch, Ph.D.

Professor of Natural Resources
Department of Environmental Science and Ecological Engineering
The Ohio State University
Olentangy River Wetland Research Park
2021 Coffey Road
Columbus, Ohio 43210
Ph. 614-292-9774
Fax 614-292-9773
Email: mitsch.1@osu.edu

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

Contact: Ross Smart

ChevronTexaco Research and Technology Center
P.O. Box 1627
Richmond, CA 94802-0627
Ph. 510-242-2914
Fax 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, FL 34205
Ph. 941-748-4401
Fax 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
PO Box 37
6700 AA Wageningen

The Netherlands
Ph. 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, FL 32301
Ph. 850-681-3828
Fax 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
Phone: 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, FL 33701
Phone: 727-570-5391
Fax: 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, FL 33701

Phone: 727-570-5391 Ext. 148
Fax: 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
Phone: 850-681-9700
Fax: 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, MS 39180-6199
Ph. 800-522-6937 Ext. 2935
Fax 601-634-3528
Email: Bob.L.Lazor@usace.army.mil

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.

Contact: 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
Phone: (202) 514-2779
Fax (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, WA 98115
Ph. 206.526.6029
Fax: 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
Phone: 813-221-2777
Fax: 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
PO Box 9018
Key West, FL 33040-5000
Phone: 305-293-2905

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

Contact: 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

Phone: (202) 514-2779
Fax (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
Chevron Environmental Management Company
100 Chevron Way
PO Box 1627
Richmond CA 94802-0627
Phone: 510-242-2914
Fax: 510-242-1954
Email: DRSmart@chevron.com

Lucinda Jackson, Ph. D.
Chevron Environmental Management Company
100 Chevron Way
PO Box 1627
Richmond CA 94802-0627
Phone: 925-842-3467
Fax: 925-842-0808
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
Phone/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
Phone: 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
Careetera #3
Kilometer 142.0
Bo. Jobos
Guayama, Puerto Rico 00785
Phone: 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, US 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
Ph. 202-616-8754
Fax 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, FL 33601
Ph. 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, FL 33408
Ph. 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
Phone: 561-682-6716
Fax: 561-640-6815
E-mail: 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, FL 34604-6899
Ph. 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 U.S. 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, FL 32960
Phone: 772-564-0540
Fax: 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 at Riverview, Florida. Ongoing work.

Contact: David Jellerson
Assistant Vice-president, Environmental
Mosaic Fertilizer, LLC.
P.O. Box 2000

5000 Old Hwy 37 S.
Mulberry, FL 33860
Phone: 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, FL 33712
Ph. 813-867-8228
Fax 813-867-2259
Email: twreeseesq@AOL.COM

39. Scientific peer review services for the U.S. 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
U.S. Army, Corps of Engineers
Engineer Research and Development Center
3609 Halls Ferry Road
Vicksburg, MS 39180
Ph. 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
Phone: 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
Phone: 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.
Bldedsoe, Jacobson, Schmidt, Wright, Land and Wilkinson
1301 Riverplace Blvd.
Suite 1818
Jacksonville, Fl 32207
Phone: 904-398-1818
Fax: 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, FL 33131
Tel.: (786) 425-2299
Cell: (305) 613-4032
Fax: (305) 536-6495
jim@jamesmporterpa.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.
Bldedsoe, Jacobson, Schmidt, Wright, Land and Wilkinson
1301 Riverplace Blvd.
Suite 1818
Jacksonville, Fl 32207
Phone: 904-398-1818
Fax: 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. \$100,000.

Contact: Soma Vijayakumar, Transportation Engineer
CIDCO LTD
Navi Mumbai, India – 400 614
Thane-Maharashtra, India
Tel: +91 22 67918616
Email: vk_soma@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
Nyih Kuning, Bali, Indonesia
Tel: + 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. Ongoing. \$200,000.

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

v. 84 29 NOV 2010

