



McGlynn Laboratories, Inc.

Seán E. McGlynn

568 Beverly Ct.
Tallahassee, FL 32301

Owner

President
Technical Director

Education

BS Biochemistry, LSU,
1977

MA History, FSU, 1989

PhD Biology, Area III,
Ecology, FSU 1995

Honors/Awards

Ochlockonee River Soil
& Water Conservation
District, Supervisor,
District I

Florida Lake
Management Society,
Board of Directors

Florida Lake
Management Society,
President, Northwest
Florida Chapter

Science Advisory
Committee for Leon
County, member

Big Bend Environmental
Forum, Board of
Directors

North West Florida
Chapter of the Florida
Lake Management
Society, President

Work Experience

McGlynn Laboratories, Inc.
11/1997 to Present
Technical Director

Background: Dr. McGlynn is an environmental scientist with over 33 years of experience addressing a wide range of environmental issues. His technical expertise is in water quality and aquatic system ecology. Dr. McGlynn began working on aquatic issues since the late 70's at the Center for Wetland Resources at Louisiana State University, studying aquatic ecosystems in Hypersaline Laguna Madre, Texas and Barataria Bay in South Louisiana. Dr. McGlynn became the Research Director at Receptor Molecules, a Research and Development Laboratory developing monoclonal antibodies pollutant assays 1986. Later Dr. McGlynn was the Laboratory Director at the Center for Aquatic Research and Resource Management (FSU), Environmental Planning and Analysis, and Adjunct Professor at FSU where he managed ecosystem studies in Apalachee Bay, Amelia Estuary, Apalachicola Bay, Choctawhatchee Bay and Perdido Bay. Dr. McGlynn is currently the President of McGlynn Laboratories Inc (a nationally accredited environmental laboratory), founded in 1997, that has offices in Tallahassee, FL, and Baton Rouge, LA. We apply scientific methods to ecosystem studies, particularly lake and coastal zone management. We also design and manage environmental restoration projects. In Louisiana we coordinate coastal zone management between Louisiana DEQ and the Army Corps of Engineers. McGlynn Laboratories, Inc. is currently expanding research operations along the Gulf of Mexico by opening a third office in Destin, FL.

Current Duties: Hire, train and supervise all laboratory employees, including Laboratory Supervisor and Quality Assurance Officer. Ensure that all employees are familiar with Laboratory SOP and Quality Manual and perform chemical analyses within the guidelines therein. Maintain proper files to document employee performance and training. Develop laboratory expertise in new areas of chemical analysis. Assist laboratory employees to learn new methodology and equipment as needed. Apply associated EPA methodology. Ensure that laboratory equipment and supplies are maintained in working order and adequate quantities.

Manage water quality modeling, environmental assessment and analytical projects. Interact with customers to design sampling programs and experiments. Create reports that adequately communicate the scientific. Stay current with water quality research developments by attending conferences, seminars and training classes. Interact with industry peers on a regular basis.

McGlynn Laboratories Inc.
1997 to present
Technical Director and President



Honors/Awards

Friends of Lake Jackson,
Technical Committee

Blue Print 2000,
Sensitive Lands
Committee

Duties: Direct scientific research for the national accredited environmental laboratory (NELAP).

Department of Biological Science, FSU

1996 to 2000

Adjunct Professor

Duties: Designed field experimentation in environmental chemistry. Coordinated field sampling with analysis in the analytical laboratory. Wrote reports and taught laboratory classes to biology majors.

Environmental Planning & Analysis

1986 to 1998

Quality Assurance Officer, Director of Chemistry, Director of Field Experiments

Duties: supervised the chemistry division, ran QA program, designed and executed field experimentation including scuba deployed field assays

Receptor Molecules

1986

Laboratory Researcher

Duties: directed research and development for pollutant assays utilizing monoclonal antibodies.

Publications:

Two Rivers, The Karst Lakes of Leon County, and the Floridan Aquifer. Water Quality Dynamics in Times of Drought, by Sean E. McGlynn. Proceedings of the 12th Annual Conference of the Florida Lake Management Society, 2001 Annual Conference, Tallahassee, FL., 5(2001), p. 53.

Interstate Issues Regarding Water Quality in the Ochlockonee River, by Kevin R. Pope and Sean E. McGlynn. Proceedings of the 12th Annual Conference of the Florida American Lake Management Society, 2001 Annual Conference, Tallahassee, FL., 5(2001), p. 60.

The Ochlockonee River, Ecology and Dynamics in Times of Drought, by Sean E. McGlynn. Proceedings of the North American Lake Management Society, 2000 Annual Conference, Miami, FL., 11(2000), p.102

The Vertical Migration of Harmful Algal Blooms due to Changes in Aquatic Light Fields and the Resulting Difficulties in Interpreting Chlorophyll *a* Results, by Sean E. McGlynn. Proceedings of the North American Lake Management Society, 2000 Annual Conference, Miami, FL., 11(2000), p.103

Okeehoopkee, Disappearing Waters and Karst Lakes, by Seán E. McGlynn. Proceedings of the FL. Lake Management Society, 2000 Annual Conference, Key West, FL., 11(2000) pp. 76-87.

Seasonal Growth Responses of Sub-Temperate Estuarine Phytoplankton to Nitrogen and Phosphorus, an Outdoor Microcosm, by David A. Flemer, R. J. Livingston and S. E. McGlynn. Estuaries. 21 (1) (1998) pp 145-159.



Factors Controlling Sea Grass Development in a Gulf Coastal System, Water/Sediment Quality and Light, by R. J. Livingston, S. E. McGlynn and. X. Niu. *Aquatic Botany*. 60 (1998) pp 135-159.

Endolithic Microalgae in Granitic Rocks from the Coast of Maine (USA), by Seán E. McGlynn and AKSK Prasad, *Phycologia*. 36 (4), 71 (1997).

Sediment and Plant Interactions, Aquatic PAH Equilibria, a Model, by S. E. McGlynn and R. J. Livingston. *International Journal of Quantum Chemistry*. 64 (3), (1997) pp. 271-283.

Reports:

Woodville Recharge Basin Aquifer Protection Study, Phase 1-III: by Seán E. McGlynn. December 2006.

Surface/Groundwater Assessment, Steelfield Road Landfill I-III, West Bay, Florida: by Seán E. McGlynn. July 2001-2006.

Leon County Lakes Ecology, 2005-6 Annual Report: by Seán E. McGlynn. November 2006.

Leon County Lakes Ecology, 2005 Annual Report: by Seán E. McGlynn. November 2005.

Choctawhatchee Bay Watershed Water Quality Assessment Report: by Seán E. McGlynn at al. February 2004.
Leon County Lakes Ecology, 2003 Annual Report: by Seán E. McGlynn. November 2003.

Leon County Lakes Ecology, 2002 Annual Report: by Seán E. McGlynn. November 2002.

The Leon County Lakes Ecology Project, 9 Year Report: by Seán E. McGlynn. September 2001.

The Ochlockonee River, Interactions with the Lakes of Leon County, Florida, by Seán E. McGlynn. September 2000.

The Lester Cove Study, by Seán E. McGlynn. April 2000.

The Lester Creek Study, Storm Report, by Seán E. McGlynn. October 1999.

The Sinkhole in Upper Lake Lafayette, by Seán E. McGlynn, September 1999.

The Lester Creek Study, A Base Flow Report, by Seán E. McGlynn and Marlane Castellanos. November 1997.

An Interim Report on the Trophic Status of Lake Jackson, by R. J. Livingston, A. K. S. K. Prasad and S. E. McGlynn. July 1996.



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A Comprehensive Quality Assurance Plan for McGlynn Laboratories, Inc., by Seán E. McGlynn, August 1997.

A Comprehensive Quality Assurance Plan for the Center for Aquatic Research and Research Management, by Seán E. McGlynn, October 1994.

A Comprehensive Quality Assurance Plan for Environmental Planning and Analysis, Inc., by Seán E. McGlynn, August 1994.

The Ecology of the Choctawhatchee River System, a report for the North West Florida Water Management District, vol. I, II and III, by R. J. Livingston, J. M. Jimeian, F. Jordan, and S. E. McGlynn.

Intercalibration Study between the Florida Department of Environmental Regulation, Alabama Department of Environmental Management and Environmental Planning and Analysis, Inc., by R. J. Livingston, Seán E. McGlynn and Glenn C. Woodsum, Feb. 1990.

Polynuclear Aromatic Hydrocarbons in the Lakes of Leon County: an Interim Report, by R. J. Livingston and S. E. McGlynn, Nov. 1994.

Preliminary Data Concerning the Distribution of Color in the Perdido Drainage System, by R. J. Livingston and Seán E. McGlynn, Feb. 1990.

Standard Operating Procedures for the Center for Aquatic Research and Research Management, (Analytical Protocols for Water Quality Chemistry), by Seán E. McGlynn, Jan. 1994.

Standard Operating Procedures for Environmental Planning and Analysis, Inc., (Analytical Protocols for Water Quality Chemistry), by Seán E. McGlynn, Jan. 1994.

Workshops:

Characterization of Algal Blooms: Chlorophylls and Other Means of Algal Identification: by Seán E. McGlynn. Florida Lake Management Society, 2001 Annual Conference, Tallahassee, FL.

Measurement of Phytoplankton in Environmental Water: by Sean E. McGlynn and John McDonald, YSI. North American Lake Management Society, 2000 Annual Conference, Miami, FL.

Presentations:

WATER SCIENCE AND ENGINEERING SEMINAR, "Nitrogen and phosphorus in the Floridan aquifer, some subterranean thoughts," Dr. Sean E. McGlynn, McGlynn Laboratories, Tallahassee, Florida (February 18, 2005, FSU College of Engineering Bld).



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SIERRA CLUB PUBLIC LECTURE, "Save our sinks," Dr. Sean McGlynn, McGlynn Laboratories, Tallahassee, Florida (March 15, 2004, Fringe Benefits Management).

Conferences Organized by Dr. McGlynn:

12TH ANNUAL CONFERENCE OF THE FLORIDA LAKE MANAGEMENT SOCIETY: Tallahassee FL., Conference Chair. 20 professional workshops and 95 scientific research papers were presented by the 255 people attending on each of the Conferences 4 days. Over 600 hotel nights were booked by conference attendees, who generated \$250,000.00 in direct economic impact and \$1,500,000.00 in indirect economic impact. May 2001.

CELEBRATION LAKE JACKSON: A Rededication and Environmental Forum marking the end of a \$17,000,000.00 restoration of Lake Jackson in Leon County, Florida. Hosted by: Friends of Lake Jackson; Florida Lake Management Society; Big Bend Environmental Forum and the Leon County Board of County Commissioners. Over 250 attending. October 2001.

Project	Client	Location	Nature of Work	Date
Newman's Auto Air	Ardaman	Leon County, FL	Petroleum Remediation Monitoring	2003-2005
GT-Com	Ardaman	Perry, FL	Petroleum Remediation Monitoring	2004-2006
Former Mc Arthur Dairy	Ardaman	Tallahassee, FL	Petroleum Remediation Monitoring	2004-2005
Former Gretna Landfill	Ardaman	Gadsden County, FL	Permit Compliance Monitoring	2004-2006
Chucks Auto	Ardaman	Tallahassee, FL	Petroleum Remediation Monitoring	2004-2006
PFG Thomasville	Ardaman	Thomas County, GA	Permit Compliance Monitoring	2004-2006
FRF Dry Cleaners	Ardaman	Thomas County, GA	Permit Compliance Monitoring	2004-2006
Perry LAS	Ardaman	Taylor County, FL	Permit Compliance Monitoring	2006
Ardaman Yard	Ardaman	Tallahassee, FL	Permit Compliance Monitoring	2004-2006
Choctawhatchee Bay Watershed Water Quality Analysis	BDI	Destin, FL	Intensive study of water quality in Choctawhatchee Bay with management plan development	2003-2004
St. James Bay Quarterly Monitoring, Adubon Golf Course	Biological Research Associates	Franklin County, Florida	Administrated and managed ground water and surface water sampling around the gulf course for regulatory purposes	2001-2006
Steelfield Landfill	CDM	Panama City, FL	Leachate impact analysis on Otter Creek	2001-2006



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Chapman Pond Study	City of Tallahassee	Leon County, FL	Chemical Analysis and biological assessment of Chapman Pond	2006
Well Monitoring	Conrad	Leon County, FL	Chemical Analysis of Ground Water	2006
Cross Creek Wetland Delimitation Property	Creech Engineering	Leon County, FL	Determination of wetlands on site	2006
DeVoe Moore Property	Creech Engineering	Leon County, FL	Permit compliance management plan for aquatic resources (ag)	2006
Sensitivity analysis of alcohol monitoring bracelet	Don Pumphrey Law	Tallahassee, FL	Sensitivity analysis of alcohol monitoring bracelet	2006
Fannin Bayou Development	Ecological Resource Associates	Lynn Haven, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Osceola Condominiums	Emerald Coast Design Build	Destin Florida	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Vera Cruz Condominiums	Emerald Coast Design Build	Destin Florida	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Intercoastal Condominiums	Emerald Coast Design Build	Destin Florida	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Coastal Breeze Condominiums	Emerald Coast Design Build	Destin Florida	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Summer Breeze Condominiums	Emerald Coast Design Build	Destin Florida	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Allanton Shipyard Muliti Slip Dock and Marina permit	Environmental Resource Consultants	Panama City, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2006
Creek Stone Muliti Slip Dock and Marina permit	Environmental Resource Consultants	Panama City, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Smith Lake Dredging	Florida Fish and Wildlife	Washington County, FL	Permit and Wildlife Habitat Restoration Monitoring	2004
St Joe Pond Dredging	Florida Fish and Wildlife	St. Joe, FL	Permit and Habitat Restoration Monitoring	2006



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Analysis of archeological Soils from Hungary, Roman Period	FSU Dpeartment of Anthropology	Roman Site in Hungary	Anthropogcal analysis of human habitation with Soil nutrients	2004
Analysis of archeological Soils from Texas, Native American Period	FSU Dpeartment of Anthropology	Big Sandy, Texas	Anthropogcal analysis of human habitation with Soil nutrients	2004
Bay Point Marina, Multit Slip Dock and Marina permit	Garlick Environmental	Panama City, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Lonpoint Cove Marina	Garlick Environmental	Panama City, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2002
Hobbs Marina	Garlick Environmental	Panama City, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2002
Greenwood Estates	Garlick Environmental	Panama City, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2002
Seclusion Bay	Garlick Environmental	Panama City, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Integrity	Garlick Environmental	Panama City, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Bayou Point Development	Garlick Environmental	Panama City, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
G&S Boat Yard	Garlick Environmental	Freeport, Florida	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Meritage Condominiums	Garlick Environmental	Destin Florida	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2005
Green Water Labs	Green Water Labs	Palatka, FL	Sample analysis	2006
Dickerson Bay Watershed Water Quality Analysis	Gulf Specimens Research	Panacea, FL	Intensive study of water quality in Dickerson Bay	2004
Wakulla Beach Sediment Study	Gulf Specimens Research	Panacea, FL	Chemical analysis and characterization of muck depositions that washed up on	2006



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			Wakulla Beach	
NPDES Permit Compliance	Hanson Pipe	Gadsden County, FL	Quarterly Permit Chemical Analysis	2004-Present
Crawford Marina	Kenneth L. Echernacht	Ochlockonee Bay, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2006
Lake Management for Killeran Lakes	Killearn Lakes HOA HOA	Leon County, FL	Wrote, administrated and managed Florida Forever Grant for lake habitat restoration including a lake wide shore-line restoration projects	2004-Present
Lake Ecology Survey	Leon County	Leon County, FL	Administrated and managed water quality monitoring in ten Leon County lakes and the Ochlockonee River	1998-2006
Ochlockonee River's Interactions with Lakes Iamonia and Talquin	Leon County	Leon County, FL	Administrated and managed sampling to differentiate loadings of pollutants from Georgia and developing a video to communicate results	2000-2001
Lake Lafayette Watershed Study	Leon County	Leon County, FL	Administrated and managed sub contractor role under Environmental Research and Design responsible for sampling and analyzing Lake Lafayette and taking flow measurements	2001-Present
Woodville Recharge Basin Aquifer Protection Study	Leon County	Leon County, FL	Administrated and managed a comprehensive study of surface and ground water interaction within the Woodville Recharge Basin including the creation of a model and recommendations for future land use in the area	2003-Present
Louisiana Joint Public Notice, administering coastal zone permitting	Louisiana DNR	Louisiana, Statewide	Administrated and managed two outsourced positions within the Louisiana Department of Natural Resources Coastal Regulations Division, to review, process, plot and map all applications for Coastal Zone permits in Louisiana	2002-Present
Maclay Gardens State Park	Maclay Gardens State Park	Leon County, FL	Bacterial Analysis for swimming area in lake	on-going



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Ice Bacteria	Panacea Ice House	Wakulla County, FL	Analysis of bacteria in ice for commercial use	2006
Pensacola I-10 Bridge Reconstruction, Seagrass Assessment for permit	Parsons Brinckerhoff Quade & Douglas, Inc.	Escambia County, FL	Mapped sea grass density and taxinomic identification of species present for the permit to reconstruct the bridge after Hurricane Ivan	2005
Pensacola I-10 Bridge Reconstruction, Sediment Pollutant Analysis for permit	Parsons Brinckerhoff Quade & Douglas, Inc.	Escambia County, FL	Sampled and analyzed sediments for organics, pesticides and heavy metal pollutants due to possible resuspension of pollutants during for the permit to reconstruct the bridge after Hurricane Ivan	2005
Kapes Bayou Marina Development	Phoenix Environmental Group	Carabelle, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2006
Isolated Wetland Monitoring Project	South Florida Water Management District	South Florida	Administrated and managed an annotated inventory of Vascular Plants to determine the water stress in these isolated wetlands	1998
Summercamp Waste Water Sprayfield	St. Joe Arvida, Ardaman	Franklin County, FL	Permit Compliance Monitoring	2006-Present
Well Monitoring	Stich	Leon County, FL	Chemical Analysis of Ground Water	2006
Chlorophyll a	STL Laboratories	Florida Statewide	Administrated and managed analysis of chlorophyll a on samples provided by customers	2001-Present
Lester Creek Study	Tall Timbers Research Station	Leon County, FL	Administrated and managed a comprehensive analysis nutrient loading into Lake Iamonia from the Lester Creek drainage basin	1997
Lake Management for Lake Tallavana	Tallavana HOA	Gadsden County, FL	Administrated and managed lake management including a lake wide shore-line restoration projects	2004-Present
Peach Creek Development	Tetra Tech	Grayton Beach, FL	Hydrographic and Chemical Analysis of sediments and water for FDEP Multislip Dock and Marina Permit	2006
Twin Lakes	Twin Lakes HOA	Destin, FL	Lake Ecology Report	2005-2006



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Champion International Study	URS Corp	Pensacola, FL	Administrated and managed monitoring of nutrients and other water quality parameters to gather data for the modeling of Escambia Bay	1997
Escambia River Copper Study, Soluitia International	URS Corp	Pensacola, FL	Administrated and managed monitoring discharge of copper into the Escambia River	1998
Appalachicola Dam	US Fish and Wildlife	Franklin County, FL	Sediment Toxicity Assessment	2003
Three Rivers RC&D	US Fish and Wildlife	Franklin County, FL	Toxics analysis in Fish	2003
KS Mill	US Fish and Wildlife	Panama City, FL	Sediment Toxicity Assessment	2006
Mill Creek	US Fish and Wildlife	Panama City, FL	Sediment Toxicity Assessment	2006