

Robert J. Goldstein and Associates, Inc (RJG&A) offers this Letter of Interest (LOI) to assist with your transportation and transportation related projects. RJG&A is registered in North Carolina with the Secretary of State as an S-Corporation (Certification Number 84481297-1) and is registered as a Small Professional Service Firm (SPSF) with NCDOT.

RJG&A is Pre-Qualified by NC DOT to provide

- Wetland and Stream Delineations
- Wetland, Stream, and Buffer Permitting
- ICI Water Quality
- Threatened and Endangered Species Surveys and Studies
- Stream Biological Monitoring
- ICI Water Quality
- Wetland Mitigation Site Planning
- Wetland Mitigation Site Design and Construction Oversight
- Stream Mitigation Site Plan
- Stream Mitigation Site Design and Construction Oversight
- Ecological and Biotic Community Studies

Our clients are local governments (municipalities and counties), consulting engineers and architects, state and non-profit agencies, and private developers. Our broad client base allows us to maintain steady growth and profitability, and to undertake long term projects that will not close out until all tasks are complete and approved by the client. RJG&A has a core group of experienced project managers that make use of continuing education and training opportunities from NC EEP, FHWA, NC DENR and NCSU, and is supported by intern and other temporary hires mostly from NCSU, Duke, and UNC-CH, particularly for seasonal surveys.

RJG&A carries \$1,000,000 general liability insurance, \$1,000,000 professional liability (errors and omissions) insurance, \$1,000,000 automobile liability insurance, \$5,000,000 umbrella, and workers compensation coverage as required by statute. A certificate of coverage will be provided upon request.

Type and Location of Similar Work in Past Five Years

Stream/Wetland/Buffer Permitting

■ Section 404/401/Neuse Buffer Permitting Assistance for 93 mi. of Utility Corridors; Pitt, Greene, Lenoir counties, NC; May 2005 - Aug 2006 ■ Hickory/Catawba WWTP Stream, Wetland, Protected Species, Archaeology; Catawba County, NC; Feb 2006- Oct 2007 ■ US 64 (New Bern Ave) Streams, Wetlands, Buffers; Wake County; Jun 2006 ■ DWQ Minor and EMC Major Neuse River Buffer Variances; Wake County; Mar 2006 ■ Rutherford County Stream, Wetland, Protected Species; Rutherford County, NC; Mar 2006 ■ OWASA Force Main impacts on Streams, Wetlands, Protected Species; Orange County, NC; Mar 2006 ■ Nine Foot Road Sand Mine Evaluation, Stream and Wetlands, O&M Plan and Implementation; Carteret County, NC; Feb 2007 – present ■ Lake Rogers Sediment Disposal Site Stream and Wetland Permitting; Granville County; Feb 2007 – present ■ Salisbury - Rowan County Annexation Sewerlines; Dec. 2008 – Mar 2009.

Protected Species

■ North Carolina Cape Fear Shiner Status Update; Randolph, Moore, Chatham, Lee, and Harnett counties, NC; Nov 2007 – Feb 2008 ■ Nine Federal T&E Biological Assessments, 25 FSC Assessments; MCAS Cherry Point, Carteret and Craven counties; May 2006 – Jan 2008 ■ Faulkoner Construction Railroad Site Protected Species Study; Chatham County, NC; Apr 2006 ■ Statesville Brick Site Schweinitz's sunflower surveys; Randolph and Davidson counties; June 2005

QA/QC Environmental Documents

■ Environmental Assessment Peer Review - Public Meeting - Recommendations; Briar Chapel Development, for Chatham County; Jan 2005 ■ Cooper Subdivision EA Peer Review – Environmental Review Board Presentation – Recommendations, for Chatham County; February 2009.

Other Projects

■ City of Raleigh 2-year On-Call Environmental Services (Rivers & Assoc., prime); City of Raleigh, Wake County; 2008-2010 ■ ONWASA 5-year On-Call Environmental Services (Wooten Co., prime); Onslow County; 2008-2012 ■ Lake Townsend - Dam Replacement Instream Flow Study; Greensboro, Guilford County; Apr 2006 ■ Lake Rogers Sediment Disposal Cultural Resources Survey; Greensboro, Guilford County; Nov 2007 ■ Faith Baptist Church Dam Removal Permitting Study; Franklin County Mar 2006 ■ NC-EEP Archaeology Contracts; Allegheny, New Hanover, Henderson, Caldwell, McDowell, Buncombe, Randolph, Ashe counties; 2006 – present ■ NC 55 Cultural Resource Assessments; Durham and Chatham counties; Jul 2006 ■ Greystone Lake Dam Rehabilitation SEPA EA; Raleigh, Wake County; Sept 2006

Mitigation Bank Plan and Site Design

■ Buffer Design; Contentnea Creek Phase 3, Greene County; Jan 2005 ■ Buffer Design; Moccasin Creek, Johnston County; Mar 2005 ■ Neuse Riparian Buffer and Nutrient Offset Credit Mitigation Banking Instrument and Mitigation Plan; Buffer Design; Contentnea/Little Contentnea Creek Riparian Buffer and Nutrient Offset Credit Mitigation Bank, Greene County; June 2008

Mitigation Site Monitoring

■ Contentnea Creek Phase 1, Buffer Restoration Monitoring; Greene County; Aug 2003 - Dec 2007
■ Contentnea Creek Phase 2, Buffer Restoration Monitoring; Greene County; Aug 2004 - Dec 2008
■ Contentnea Creek Phase 3, Buffer Restoration Monitoring; Greene County; Aug 2005 - Dec 2009 ■ Vinton Business Park, Wetland Mitigation Monitoring; Roanoke County, VA; Jul 2003 - Oct 2006 ■ Moccasin Creek Buffer Restoration Monitoring; Johnston County; Jun 2006 - Dec 2010 ■ Tick Creek Chatham County, NC-EEP Stream Restoration Monitoring; Jan 2006 - Dec 2009 ■ Third Fork Creek, Durham County; NC-EEP Stream Restoration Monitoring; Jan 2006 - Dec 2009 ■ Ellerbe Creek, Durham County; NC-EEP Stream Restoration Monitoring; Jan 2006 - Dec 2009 ■ Stillhouse Creek, Orange County; NC-EEP Stream Restoration Monitoring; Jan 2007 - Dec 2009 ■ Bear Creek, Chatham County; NC-EEP Stream Restoration Monitoring; Mar 2008 - Dec 2009 ■ Morgan Creek, Chatham County; NC-EEP Wetland Restoration Monitoring; Mar 2008 - Dec 2009

Selected Company Experience

NC Ecosystem Enhancement Program **EEP** Projects:

RJG&A has provided on-call restoration design and monitoring services to EEP. In February 2009, RJG&A was selected for inclusion on the EEP on-call consultants list for the third consecutive cycle and awarded five separate two-year contracts since 2006. RJG&A has performed post-construction tasks (viz., establishment of permanent monitoring areas, installation of crest gauges, baseline data collection, and mitigation plans) as well as annual geomorphic and vegetative monitoring and reporting.

Tick Creek site is a stream restoration project built by DOT to provide mitigation for highway construction impacts (Jamie Lancaster, PE – DOT Project Manager). For 2008 and 2009, RJG&A will continue to monitor those four projects and has been awarded the monitoring contracts for two additional stream restorations and one wetland restoration. RJG&A also provided pre-construction archaeological investigations at three sites (two in Jones County and one in Bertie County) for EEP.

Avon Kinnakeet DOT Dune Restoration Sand Mine, Dare County, NC.

Avon Kinnakeet Mine, LLC contracted RJGA to assist in permitting a sand mine to be used for NC-DOT dune restoration on Hatteras Island. The project will hydraulically dredge sand from non-tidal jurisdictional wetlands, contiguous with tidal wetlands. RJGA confirmed with US-ACE that the mining activity would not require a 404 permit, and therefore no 401 Certification. However, NC-DWQ determined that the project could violate 15A NCAC 2B.0231 (*Wetland Standards*), which mandates *'the maintenance and enhancement of existing uses'*, but does not specify how unavoidable impacts may be permitted. As neither the 401 Certification nor NC Isolated Wetlands permitting program was applicable for this project, RJGA prepared a request for exemption from water quality standards and a compensatory mitigation plan, working closely with NC-DWQ and NC-DCM staff. RJG&A represented the Mine at the July 2006 Environmental Management Commission (EMC) meeting in Raleigh and subsequent public meeting in Kill Devil Hills in August. EMC approved our site-specific variance as requested and concept mitigation plan. The approval was encouraged by NC DOT's numerous letters of support for the project, documenting the critical need for suitable sand to enable dune restoration along NC 12 in the event another hurricane breaches this major corridor across the outer banks. RJGA located suitable mitigation areas nearby and designed a final brackish marsh restoration plan to satisfy a portion of the mitigation requirements, with the balance provided by marsh preservation and in-lieu fee payment to NC Ecosystem Enhancement Program (EEP). RJGA is presently monitoring hydrology at the mitigation site prior to restoration work, and will implement the plan and monitor vegetation and hydrology for five consecutive years.

Warrenton Pedestrian Bridge Type II CE, Warren County, NC

RJG&A prepared a Federal Highway Administration (FHWA) Type II Categorical Exclusion (CE) for a proposed sidewalk extension and construction of a wooden footbridge over Horse Creek (TIP# E-4760). The CE was prepared for Pierson and Whitman Engineers (now AMEC). The project was needed to provide safe pedestrian passage to the Warren County Health Department, whose patrons had previously needed to cross the narrow US 401 / NC 158 bridge and pedestrian crossing frequently interfered with vehicular traffic. The project included 2,200 feet of new pedestrian walkway and 120 feet of wooden footbridge to cross Horse Creek, a tributary of Fishing Creek in the Tar-Pamlico River basin. RJG&A also assisted the engineers address Clean Water Act Section 404/401 and NC Division of Water Quality Protected Riparian Buffer regulations. RJG&A completed the project on-time and in budget. The walkway was approved and built as proposed.

NC DOT Borrow and Fill Sites, Multiple North Carolina Counties

We have provided wetland delineation and GPS mapping, protected species surveys, archaeological services, and 404/401 permit assistance to NC highway construction companies at fill material borrow and disposal sites. We recently provided services for a US-301 bridge replacement in Northampton County (for Falconer Construction), I-85 improvements in Granville County (for Lane Construction), 15-501 widening in Chatham County (for Jones Brothers Construction), and I-540 in Wake County (for Vicellio and Grogan).

Resumes of Key personnel

Robert J. Goldstein, Ph.D., President and Project Manager

B.Sc. Biology, 1960, Brooklyn College

M.Sc. Parasitology, 1963, Florida State Univ;

Ph.D. Microbiology and Parasitology, 1967, Univ. of Texas Southwestern Medical School.

Dr. Robert Goldstein is a microbiologist and parasitologist with 35 years experience in designing and conducting environmental studies and preparing environmental reports including environmental assessments (EA) and environmental impact statements (EIS) under federal (NEPA) and state

(SEPA) protocols. Prior to establishing RJG&A in 1985 Dr. Goldstein managed aquatic biology projects throughout the southeast (EPA-Region IV) for Applied Biology of Atlanta, including fishery impact and ichthyoplankton studies at fossil- and nuclear-fueled power plants in Florida and South Carolina. His project experience in North Carolina includes highways, raw water intakes and treatment plants, reservoirs, water distribution systems, wastewater plants and sewer systems, MSW landfills, and recreational park facilities. He has conducted Phase 1 environmental site assessments (hazardous waste investigations) throughout North Carolina under ASTM guidelines for CERCLA and RCRA chemical contamination. He has investigated fish kills in North Carolina and Florida, and assessed siltation damage of mountain trout streams in North Carolina and testified before a state agency regarding trout habitat mitigation. He has provided expert witness testimony on violations of Section 404 of the Clean Water Act and presented testimony and seminars on public health and environmental issues. He served two terms on the Shark Advisory panel of the South Atlantic Fishery Management Council and two terms on its Habitat and Environmental Concerns panel, the latter as head of the North Carolina delegation.

Gerald B. Pottern, M.S., Senior Biologist

B.Sc. Zoology, 1981, Duke University

M.Sc. Zoology & Water Resources, 1989, NCSU

Mr. Pottern has 21 years experience at RJG&A preparing environmental studies and documents for local governments and state and federal agencies. He has extensive experience working with federal, state, and local water quality assessment and protection programs, instream flow, stormwater management, riparian zone and floodplain protection, erosion control, land use planning, public education, and wastewater treatment and disposal. He conducts stream and wetland functional assessments and condition surveys, jurisdictional delineations, and surveys and maps natural community types, riparian buffers, and protected species habitats using aerial photo interpretation, GIS, and ground-truthing. He assesses stream habitat and water quality using EPA and DWQ protocols, is DWQ certified for benthos data collection, DWQ trained in field identification of ephemeral, intermittent and perennial streams, and NCSU and Rosgen trained in fluvial geomorphic stream assessment and restoration. During preparation of nearly 100 NEPA/SEPA documents, mitigation plans, and related studies, Mr. Pottern has extensively used DWQ's Basinwide Assessment Reports and Basinwide Water Quality Management Plans, and is familiar with the broad network of agencies, programs, databases, and models that contribute to water quality protection, land use planning, public education, instream flow, stormwater management, erosion control, and wastewater treatment and disposal. He has assessed impacts of public utility projects, analyzed biomonitoring data, conducted instream flow and limnological studies, surveyed for aquatic protected species, developed riparian conservation plans for CWMTF grant applications, conducted water quality research and education projects with non-profit organizations, and summarized local ordinances and programs to mitigate adverse impacts of development. He spoke on "Designing Sewerlines for Riparian Habitat Protection" at the NC Consulting Engineers Council and participated on an ad-hoc committee of the NC Consulting Engineers to develop guidance for assessing indirect and cumulative impacts.

Christopher D. Hopper, B.S., Terrestrial Biologist

B.Sc. Natural Resource Management & Engineering, 1997, University of Connecticut.

Mr. Hopper has 11 years experience with environmental analyses, 10 while working at RJG&A conducting environmental field studies and preparing documents, maps, mitigation plans, and permit applications for a variety of public and private projects. He is proficient at the delineation of wetlands, streams, riparian buffers, and habitats and in GIS mapping and data compilation. Mr. Hopper has prepared dozens of NEPA and SEPA Environmental Assessments, all of which have received Findings of No Significant Impact. He has prepared USF&WS Biological Assessments for the bald eagle, red-cockaded woodpecker, and over 20 federally protected species in Carteret and Craven counties. He recently completed several Phase I Environmental Site Assessments for The Nature Conservancy on over 90,000 acres of land in a dozen eastern North Carolina counties. He has completed NCDWQ training seminars on intermittent stream identification, riparian buffer rules, and

benthos surveying. He assists engineers and developers in designing projects to meet water quality objectives and comply with permit conditions. He negotiates with State and Federal resource agencies, and local government officials and representatives of the public to adequately and equitably mitigate for secondary and cumulative environmental impacts associated with economic development.

Sean P. Doig, Environmental Scientist

B.A. Dartmouth College, History 1990

M.Sc. North Carolina State University, Natural Resources, 2007

Mr. Doig manages all aspects of ecological restoration projects at RJG&A including site selections using remote sensing, preliminary soil/hydrologic investigations, riparian buffer design and plantings, vegetative and geomorphologic data collection and analysis, training and supervising staff, and authoring mitigation and monitoring reports. He is skilled at operating Total Stations, GPS units, and automatic levels, and using TDS SurveyPro, and Trimble TerraSync and GPS Pathfinder software. Additionally, Mr. Doig is experienced at wetland delineations, stream determinations, and rare species surveys. He is well-versed in state and federal environmental regulations and the requisite permits and is proficient at ArcGIS 9.2. He is the company's lead GPS and GIS specialist with responsibility for all mapping and impact calculations. Mr. Doig has an M.S. in Natural Resources from North Carolina State University. He had graduate-level coursework in dendrology, wetland and watershed hydrology, GIS, GPS, and land-use planning. In 2007, Mr. Doig presented his masters' thesis research on the economic and physical limitations to wetland mitigation at the annual Association for State Wetland Managers symposium.

Allison Weakley, Botanist & Plant Community Ecologist

B.Sc. University of Maryland, College Park, Plant Biology, 1996

M.Sc. University of North Carolina, Chapel Hill, Biology, 2002

Allison Weakley has more than 11 years of field and research experience in North Carolina, including surveys for rare species, natural communities, and invasive species in western North Carolina where she worked as a botanist for the U.S. Forest Service (USFS) and as a consulting biologist to USFS, U.S. National Arboretum, and the NC Botanical Garden. She also developed invasive species identification and management guides for federal and state agencies; assisted in habitat modeling and land management planning for indicator species for the National Forests of North Carolina; and provided expert opinion on rare species population viability for NatureServe. Just prior to joining RJGA, Ms. Weakley assisted USFS in developing a NEPA Environmental Assessment for invasive species management in the Nantahala/Pisgah National Forests. She has written, reviewed, and conducted research on environmental policy and regulations for local governments; and compiled data for a comprehensive GIS database for use in conservation planning in Chatham County. Ms. Weakley served as Founding Chair of the Chatham County Environmental Review Board, and assisted in the formation of the Chatham Conservation Partnership (50 partners committed to natural resource conservation in Chatham County). She is also certified by NC-DWQ for intermittent and perennial stream identification.