



DAVID LAIUPPA, CSS



SENIOR PLANNER

OVERVIEW

Mr. Laiuppa offers a variety of experience in wetland delineation, environmental science, environmental planning, Geographic Information Systems (GIS) and 3D visual simulations, air quality modeling, and website design and maintenance. He is familiar with environmental documentation requirements of federal and state environmental policy acts, the regulatory framework for environmental permitting, and has solid experience with agency coordination at the local, state, and federal levels.

ENVIRONMENTAL ANALYSIS AND PERMITTING

Mr. Laiuppa has particular expertise in using GIS to inventory and evaluate many forms of data, including natural resource and land use data. He is also skilled at conducting wetland functional assessments, field identification of plants and wildlife, and wildlife habitat identification/assessments. Additionally, using Army Corps of Engineers and various state defined methodologies, he has delineated inland and tidal wetlands in Connecticut and inland wetlands in Vermont. He has contributed to the preparation of a number of environmental permit applications, including local and state inland wetlands and coastal zone applications, and federal Environmental Protection Agency No Discharge Area (NDA) applications. Mr. Laiuppa has conducted air quality impact analysis using the EPA's Mobile 5B and Mobile 6.2 modeling software as well as CalqView2, a viewer/editor for EPA's Cal3QHC2.

ENVIRONMENTAL DOCUMENTATION

Mr. Laiuppa has participated in data collection, impact analysis, and mitigation evaluation for many environmental impact statements and environmental assessments pursuant to the National Environmental Policy Act (NEPA) and Connecticut Environmental Policy Act (CEPA), conforming to the regulations and guidelines of agencies including Federal Highway Administration (FHWA), Federal Transit Administration (FTA), and the Federal Aviation Administration (FAA).

PROJECT EXPERIENCE

NEW HAVEN-HARTFORD-SPRINGFIELD PROGRAM MANAGEMENT | CONNECTICUT DOT | 2011-ONGOING

Mr. Laiuppa evaluated and field delineated inland and tidal wetlands and watercourses along this multi-state transportation corridor. Additionally, he observed and noted the locations of significant patches of invasive plant species, as instructed by the CT Department of Transportation. This work, which took place along an active rail line, was heavily monitored by Amtrak personnel at all times. Delineation efforts for this project include flagging of wetland boundaries, performing transects, evaluating functional values of wetland systems, and preparation of a comprehensive report detailing findings.

EDUCATION

- Air Quality Analyses Training Certification, 2009
- Soil Scientist Certification, 2007
- Corps Wetland Delineation Training Certification, 2004
- Geographic Information Systems (GIS) Certification, 1999
- B.S. Natural Resource Management and Engineering, 1997

PROFESSIONAL AFFILIATIONS

- Connecticut GIS Users Group (CTGIS)
- Northeast ARC Users
- Connecticut Association of Wetland Scientists (CAWS)
- Society of Soil Scientists of Southern New England

YEARS EXPERIENCE

- 9 Years with firm
- 12 Years in industry



**CENTRAL NEW JERSEY/RARITAN VALLEY LINE EXTENSION FEASIBILITY STUDY | PHILLIPSBURG, NJ AND ALLENTOWN, PA | 2007-2010**

Mr. Laiuppa used GIS data and field observations to evaluate the interactions of environmental and socio-economical constraints on the proposed improvements to the existing railroad infrastructure in a highly urbanized setting. As part of this screening process he created a series of GIS maps that emphasized the community resources and sensitive land issues in an existing developed setting as well as field observations of wetlands, watercourses, farmlands, parks, and other resources.

DANBURY RAIL ELECTRIFICATION | DANBURY CT | 2007- ONGOING

Mr. Laiuppa collected extensive field data of wetlands, watercourses, and community facilities and prepared GIS mapping and analysis for a wide variety of our topic areas (including air quality; energy; biological diversity; rare, threatened and endangered species; wetlands and wetland mitigation planning; floodplains, floodways and stream channel encroachments; historic resources and Section 106 coordination; surface and groundwater resources; socioeconomic conditions; environmental justice; visual quality; and a Section 4(f) Evaluation).

NEW ENGLAND HIGH SPEED RAIL | CONNECTICUT DOT | 2010

The New England States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont, have been engaged in re-establishing effective passenger service in New England. The Connecticut Department of Transportation (CTDOT), in cooperation with the States of Massachusetts and Vermont, has prepared a Programmatic Environmental Impact Statement (PEIS) or Tier 1 EIS. The PEIS covers the New Haven-Springfield-White River Junction-Montreal and Springfield-Worcester-Boston segments of the region and includes a system-wide impacts assessment that is intended to set the stage for several interrelated projects as part of a long-range service development plan for High Speed Rail. Mr. Laiuppa was involved in the environmental screening, noise and vibration analyses, and air quality description for this multi-state High speed rail study. His involvement has included extensive GIS data collection, analyses, and mapping, as well as research pertaining to regional air quality standards and conformity.

I-270/US 15 MULTI-MODAL CORRIDOR STUDY HIGH-OCCUPANCY TOLL LANES ENVIRONMENTAL ASSESSMENT | MONTGOMERY AND FREDERICK COUNTIES, MD | 2007-2009

Mr. Laiuppa conducted extensive GIS screening and mapping of cultural resources, existing land uses and zoning, neighborhoods, community facilities and resources, as well as future pipeline development projects in the vicinity of proposed improvements and construction of high-occupancy toll lanes within a multi-modal and highly-urbanized corridor located in the Washington, D.C. suburbs. His efforts also included constant communication and coordination with state and county officials as well as the entire consultant team.

CORRIDOR CITIES TRANSITWAY | MONTGOMERY COUNTY, MD | 2010

Mr. Laiuppa conducted extensive GIS screening and mapping of cultural resources, existing land uses and zoning, neighborhoods, community facilities and resources, as well as future pipeline development projects in the vicinity of a master-planned BRT or light rail transitway facility within the I-270 Corridor in Montgomery County, Maryland. His efforts also included constant communication and coordination with state and county officials, as well as the entire consultant team.

HAMPTON ROADS TRANSIT EXTENSION STUDY | VIRGINIA BEACH, VA | 2009- ONGOING

Mr. Laiuppa evaluated, field delineated, and surveyed the wetlands and watercourses along a ten mile stretch of former rail which is proposed to be converted to a light rail transit system. Additionally, he led a field walk with a United States Army Corps of Engineers (USACE) representative in order to demonstrate Jurisdictional Determinations (JD) for some of the delineated wetlands. He summarized all of his findings in a comprehensive wetland delineation report.



**WATERBURY AND NEW CANAAN BRANCH LINE FEASIBILITY STUDY | WESTERN CT | 2005-2010**

Mr. Laiuppa was involved in the screening of sensitive environmental resources within the study area. His screening included GIS mapping as well as field observations of wetlands, watercourses, farmlands, parks, and other resources. He also wrote existing conditions write-ups for each of the screened resources for inclusion into the project report.

STATEWIDE SLIMY SALAMANDER INVENTORY | CONNECTICUT DEP | 2010-2011

Mr. Laiuppa was part of a team selected by the Connecticut Department of Transportation (CTDOT) to search for and collect specimens of state listed slimy salamanders in an effort to update the statewide inventory of threatened and endangered species.

RELOCATION OF ROUTE 113 AT SIKORSKY AIRPORT | STRATFORD, CT | 2007-ONGOING

Mr. Laiuppa field delineated tidal and inland wetlands for this highly controversial project involving safety improvements at the Sikorsky Memorial Airport in Stratford, CT. He has conducted several agency field walks to review coastal resources, been heavily involved with the preparation of permits, and has assisted with coordination, preparation, and moderation of public meetings.

RAILROAD STATION AT BLACK ROCK PARK | FAIRFIELD, CT | 2005-2006

Mr. Laiuppa field reviewed environmental resources, including wetlands and coastal resources for a NEPA Environmental Assessment / CEPA Environmental Impact Evaluation for a new railroad station and transit oriented development within the coastal zone in Fairfield, CT. He also conducted an air quality analysis for multiple intersections surrounding the location of the proposed station.

NEW BRITAIN-HARTFORD BUSWAY | CONNECTICUT DOT | 2008- ONGOING

Mr. Laiuppa evaluated and field delineated the wetlands and watercourses along this proposed transportation corridor. Additionally, he led several field walks with representatives from CT Department of Transportation (CTDOT), CT Department of Environmental Planning, and USACE in order to demonstrate the potential wetland impacts from the proposed project. He summarized all of his findings in a comprehensive wetland delineation report. Mr. Laiuppa also performed a detailed site screening for potential wetland mitigation areas and developed a mitigation plan once one of the sites was agreed upon. He has also been involved in the permit application process and has created the GIS mapping for this project.

NEW HAVEN-HARTFORD-SPRINGFIELD COMMUTER RAIL | CONNECTICUT DOT | 2006-2010

Mr. Laiuppa evaluated and field delineated the wetlands and watercourses at station locations and along portions of this proposed transportation corridor. He was also intimately involved with the creation and coordination of all GIS mapping elements for this project, including the field verification and, when necessary, correction of baseline GIS data.

PUBLIC UTILITY IMPROVEMENTS | NORWICH, CT | 2010

Mr. Laiuppa conducted field review and delineations of state and federal wetlands and watercourses in the vicinity of two separate water treatment plants slated for improvement. Delineation efforts included flagging of wetland boundaries, performing transects, evaluating functional values of wetland systems, and preparation of a comprehensive report detailing findings.





ADDITIONAL PROJECT EXPERIENCE

- Cottage Grove Road Wetland Delineation, Bloomfield, CT (2010)
- DC Streetcar Environmental Effects, Washington D.C. (2010-ongoing)
- Providence Streetcar Alternative Analysis and Environmental Assessment, Providence, RI (2010-ongoing)
- MTA Penn Station Operations Study, New York, NY (2009-2010)
- Enfield Roads 2005, Section 1, Enfield, CT (2010)
- Franklin Avenue Sewer Separation – MDC, Hartford, CT (2010)
- Greater Bridgeport Transit Authority Bus Maintenance Facility, Bridgeport, CT (2009-ongoing)
- Design of Improvements at Great Neck - MTA Long Island Rail Road, NY (2010-ongoing)
- I-81 Corridor Study and Project Scoping Report - Syracuse, NY (2008-On-going)
- I-95 Roadside Safety Improvements, CT (2004-2010)
- Lake Champlain Bridge Crown Point, NY & VT (2008-2010)
- New Haven Rail Parking Garage, New Haven, CT (2008-ongoing)

