



# PROFESSIONAL PROFILE



## Kathryn Sommo, ISA Arborist

### Technical Director

#### EXPERIENCE SUMMARY

Twenty years of experience with Roux. Five years' experience as Biologist with US Forest Service, Colorado Division of Wildlife, and Colorado Natural Heritage Program.

#### TECHNICAL SPECIALTIES

Stormwater Management, Waterfront Shoreline Resiliency Planning, Wetland Delineation, Permitting, Mitigation & Restoration, Brownfield Site Redevelopment Support, Remedial Investigations including Sediment Characterization, Hydrologic Monitoring, SPDES Permitting, Wetland Assessments, Habitat Evaluations, Rare, Threatened & Endangered Species Surveys, Litigation Support, and Phytoremediation.

#### REPRESENTATIVE PROJECTS

- Project Manager for ecological and environmental consulting support for the redevelopment of a 32-acre underutilized property to create a Port Facility for offshore wind material staging, assembly, and pre-commissioning of wind turbine generators (WTGs) and other offshore wind (OSW) components. This is a multi-year project and our services to date have included, aquatic and terrestrial ecological community mapping and assessment, submerged aquatic vegetation surveys, threatened and endangered species surveys, essential fish habitat assessment, joint permit application permitting support, sediment analysis and evaluation and dredge material management.
- Project Manager and Field Manager for the delineation and assessment of a shrub forested freshwater riparian wetland located along the Branch Brook Nature Preserve in Smithtown, NY. A hydrologic monitoring well network and vegetation monitoring plots established downgradient area of recovery system. Water level monitoring was conducted pre and post recovery system startup to determine any effects to wetland resources. Prevalence Index scores were used to evaluate shifts in vegetation composition within monitoring plots overtime. Designed planting plan for restoration of disturbed uplands.
- Project Manager for City of Glen Cove, Mill Pond rehabilitation project. Elements of the design included: reestablishment of forebay for sediment removal, excavation of sediment deposition areas, concrete revetment berm/ access road and removable weir plate for forebay maintenance, wooden headwall replacement, improve surface water flow deflection, and floatables collection system to prevent debris from entering Hempstead Harbor. Completed all wetland permitting for USACE, NYSDEC and NYSDOS. Negotiated sediment disposal facilities options with NYSDEC.
- Project Manager for conceptual waterfront design for the Village of Hastings-on-Hudson. in collaboration with the members of the Shoreline Advisory Committee. The site is in the New York State Superfund and a 28-acre portion of the shoreline will be incorporated into a village-owned park. Three conceptual waterfront designs were developed for the future park. Community input was incorporated into the designs through a public meeting. Sustainable design approaches, including sea level rise mitigation, slope stabilization, stormwater reduction and natural resource enhancement and protection, were considered concurrently with siting of recreational programming elements and future redevelopment plans outside the park.

#### CONTACT INFORMATION

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#### EDUCATION

BS Fishery Biology, Colorado  
State University, 1998

- Field Manager for coastal shoreline stabilization and grassland mitigation of an 80-acre island located off the coast of Brooklyn, NY. The island formally served as a municipal landfill and due to erosion forces the landfill waste became exposed. The design included slope stabilization and the creation of warm season maritime grasslands for foraging, cover and nesting habitat for birds. An inventory of the island vegetation was completed as well as soil, sediment, and surface water sampling to fully characterize the nature and depth to the landfill waste. Wetland permitting was completed to address impacts to the wetland and adjacent areas.
- Project Manager and Field Manager for wetland sediment investigation, remediation, and restoration project at a 440-acre former Major Oil Storage Facility in Staten Island, containing approximately 95 acres of tidal and freshwater wetlands. As part of a Consent Order between the client and the NYSDEC, Roux developed and implemented a remedial design that minimized impacts to the wetlands while ensuring the protection of human health, wildlife, and the surrounding environment. The remedial design included excavation and offsite disposal of 21,000 CY (Cubic Yards) of sediment within 10 acres of wetlands. Achieved regulatory closure of the wetland restoration within two years of monitoring.
- Project Manager for benthic community evaluation for waterfront redevelopment site located within an inlet of the East River and greater NYC harbor area. Completed benthic, sediment and surface water sampling to evaluate the effects of the contaminated sediment on the benthic community. Work performed in support of the creation of tidal marshes, provision of benthic habitat structures, and the partial removal of a bulkhead to provide public access to the created water feature.
- Prepared a New York City Waterfront Revitalization Program Consistency Assessment for multiple redevelopment project sites all located in Staten Island. The assessments included the consideration of climate change projections for sea level rise and floodplain area increases for the next 80 years into the planning and design of the waterfront industrial development and infrastructure. Management of industrial waste and other potential sources of non-point pollution were also included in the redevelopment planning evaluation.
- Wetland Permitting Specialist for redevelopment project located adjacent to the Harlem River in New York City. Development plans included multi-building, mixed-use development for affordable housing and commercial space. The project components included jurisdictional boundary negotiation with NYSDEC, preparation of wetland permitting submittal documents, project team drawing plan review for NYSDEC tidal wetland permit approval.

#### PROFESSIONAL TRAININGS

Wetland Delineation Certification, Richard Chinn Environmental Training, 2000

Winter Plant Identification Certification, Rutgers University, 2011

Rare, Threatened, Endangered Species of NJ, Rutgers University, 2012

International Society of Arboriculture (ISA) Certified Arborist

OSHA 40-Hour Health and Safety Course

#### PROFESSIONAL AFFILIATIONS

Society of Wetland Scientists, Society for Ecological Restoration, Xerces Society for Invertebrate Conservation, ISA NY Chapter.