Hannah Emouna

Title
Environmental Scientist
Division of Environmental Wetlands & Resource Assessment

Education & Training
- Bachelor of Science in Wildlife Science, cum laude, State University of New York College of Environmental Science and Forestry
- Advanced Graduate Certificate in Geospatial Science, Stony Brook University- State of New York
- Master of Arts in Biology- Concentration in Applied Ecology, Stony Brook University- State of New York

Professional Affiliations & Certifications
- NYSDEC Endangered/Threatened Species: Scientific License
- Long Island Native Plant Initiative (LINPI): Active Board Member
- New York State GIS Association (NYSGIS)
- Long Island GIS Association (LIGIS)
- Ecological Society of America (ESA)
- Long Island Native Plant Initiative (LINPI), Board Member
- Ecological Society of America, Member

Professional Experience
Hannah Emouna holds a Master's Degree in Biology with a concentration in Applied Ecology, an Advanced Graduate Certificate in Geospatial Science and a Bachelor's Degree in Wildlife Science. Her extensive training in geospatial science includes the use of remote sensing programs and GIS mapping across multiple platforms. Ms. Emouna is trained to perform environmental monitoring and assessment of both wildlife and plant populations. She regularly performs environmental monitoring that includes habitat composition, analysis, and delineation, ecological modeling and field assessments and for a variety of terrestrial and marine habitats. She holds a NYSDEC Endangered/Threatened Species: Scientific license which authorizes the collection and release of select endangered and threatened species within multiple counties across New York State. Ms. Emouna serves as a point of contact for NP&V and oversees wetland permit applications with the NYSDEC, Army Corps of Engineers (ACOE), NYS Department of State (DOS), and Towns and Villages for several projects across Long Island.

Relevant Experience
- Picnic Beach Expanded EAF, Endangered/Threatened Species Assessment
- Hempstead Plains Endangered/Threatened Species Assessment
- Habitat Suitability Study for the Northern Bobwhite Quail (*Colinus virgianus*) in Suffolk County, NY- Collaborated with members of the Suffolk County Soil and Water Conservation District to utilized GIS, remote sensing, and citizen science combined with the known life history characteristics of the species to locate potentially suitable habitat for Northern Bobwhite quail in Suffolk County. Presented recommendations for alternate monitoring of released individuals and located historical breeding locations with the potential to support the species.
- Threatened Species Monitor – MB Environmental Consulting Inc., Fire Island, New York- Determined appropriate Peregrine Falcon nest box locations based. Monitored breeding activity of adult falcons. Completed tri-weekly assessments of chick health and survival. Recorded the daily activities of breeding adults and offspring including movement, hunting activity, and prey species identification. Assessed the impact of construction activities on nest success and overall bird health. Composed and distributed reports, as well as weekly summaries to multiple departments including the NYSDOT and NYS DEC.
- Field Researcher – White Sea Biological Station, Russia- Completed avian species surveys and point counts. Collected, classified, and analyzed marine invertebrates. Classified and analyzed lichen growth rates to determine time of last disturbance.
- Wildlife Rehabilitation Intern – Sweetbriar Nature Center Smithtown, NY- Provided rehabilitative care to various native avian and mammalian species. Assisted in wildlife intake assessments and the creation\implementation of care plans. Guided educational group tours.
- Field Researcher – Cranberry Lake Biological Station, Cranberry Lake, New York- Assisted in mist netting, measuring, and collection of blood samples for genetic analysis of the white-throated sparrow as part of an ongoing project run by Indiana State University. Analyzed minnow populations to determined relative abundance and distributions using seine nets. Participated in a small mammal population surveys.