

PROJECT: Crystal Lake improvement Project, Newton, MA

CLIENT: Newton Parks and Recreation Department

Epsilon assisted the Newton Parks and Recreation Department by providing wetland consulting and permitting services for improvements at the Crystal Lake bathing beach and bathhouse located on Rogers Street in Newton, MA. These improvements included but were not limited to the use of a water circulation system, beach nourishment activities and the installation of a float system.

At the request of the DEP, Epsilon implemented a field monitoring program designed to measure current velocity and suspended sediment distribution associated with the operation of the water circulation system. Epsilon collected approximately 30 to 60 water samples and current velocity measurements at 10 locations adjacent to the bathing beach. Samples were collected along two shore parallel sampling transects. Water samples collected by Epsilon were also forwarded to a state certified laboratory for total suspended sediment (TSS) analysis.



PROJECT: Radio Tower Array Project, Wetland and Rare Species Monitoring Services, Newton, MA

CLIENT: Newton Conservation Commission



Epsilon is providing construction-monitoring services to the Newton Conservation Commission pursuant to a DEP Superseding Order of Conditions that authorized construction of five radio towers in designated rare species habitat as well as the buffer zone of a bordering vegetated wetland and certified vernal pool. The proposed work occurs near the actual habitat of a rare and endangered species, the blue spotted salamander (*Ambystoma laterale*). Epsilon services include regular on-site inspections, review of weekly construction monitoring reports prepared by the project proponent's wetland scientist, and oversight of the proponent's rare species monitoring program.

PROJECT: Wetlands Protection Bylaw and regulations, North Andover, MA

CLIENT: North Andover Conservation Commission

Epsilon drafted major revisions to the Town of North Andover's Wetland Protection Bylaw and Regulations, including the creation of new regulations specific to Riverfront Area and the DEP Stormwater Management Policy. The modifications to the bylaw and regulations provided a structured, scientifically defensible approach consistent with the state wetland regulations. Epsilon assisted the Conservation Commission and their staff in the presentation of the Bylaw and Regulations to Town Meeting where they were approved. The bylaw was subsequently approved by the Office of the Massachusetts Attorney General.

