

Wetland Services

Princeton Hydro's ecologists regularly conduct jurisdictional wetland delineations in support of permitting associated with either Section 404A of the Clean Water Act and/or the Freshwater Wetlands Protection Act. We are well versed in utilizing either the *1989 Federal Manual for Identifying and Delineating Jurisdictional Wetlands* or the *1987 U.S. Army Corps of Engineers Wetlands Delineation Manual*. Delineations are regularly conducted in support of permit applications to the Pennsylvania Department of Environmental Protection (PADEP), United States Army Corps of Engineers (USACE) and the New Jersey Department of Environmental Protection (NJDEP). We have successfully permitted projects for public utility companies, municipalities, governmental agencies, non-profits, residential and commercial development companies and private landowners in Pennsylvania, New Jersey, New York and Maryland.

We proactively coordinate all permitting activities with the presiding agency to ensure that permits being applied for are applicable to the proposed work and that the submitted application contains all required information to ensure that both administrative and technical reviews are satisfied.

We have designed multiple wetland mitigation and banking sites, requiring interaction with multiple governmental agencies to ensure that each agency's requirements are satisfied while keeping our clients' costs at a minimum. Each mitigation proposal passed thorough peer review by the Wetlands Mitigation Council in addition to satisfying regulatory agencies. Once mitigation sites reach the construction phase, Princeton Hydro oversees all phases of construction- from grading to the installation of plants. Upon construction completion sites are monitored to track the progress of each plant community. If the coverage required by the governing agency is not satisfied, we design an Adaptive Management Plan to ensure that project success is achieved.

All successful projects, from Pennsylvania or New Jersey state programmatic general or individual permits to USACE nationwide permits and mitigation projects, require a thorough understanding of the regulatory framework of the presiding agency. Accurate wetland delineations are an inherent component of the permitting process and we have experience delineating a variety of habitats ranging from stream corridors, freshwater ecosystems, and estuarine environments in a variety of geologic provinces from the outer coastal plain in Maryland and New Jersey to the ridge and valley and skylands provinces in Pennsylvania, New York, and New Jersey. Princeton Hydro has experience delineating highly disturbed sites, from brownfields to modified agricultural fields, that require an intimate understanding of the methods involved with delineating disturbed sites. Our team of wetland ecologists possess the necessary knowledge to accurately delineate/permit your project site, regardless of its size or inherent complications.

