

# Wetlands Delineation & Bathymetric Surveying

**Primary Service:** Wetlands Delineation/ Surveying

**Type:** Letter of Interpretation/ Bathymetry

**Owner/Client:** Monmouth County Parks System (MCPS)

**Location:** Holmdel, New Jersey

**Cost:** \$10,000

**Square Footage:** 450,000 sf

**Completion Date:** April 2010

**Contact:** Ms. Robin Ostrowski, LLA  
Senior Landscape Architect  
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**Project Manager:** Chris Guddemi, LEED® AP

**Project Number:** 2.8619.6

# LAN

LAN ASSOCIATES

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A view of an area adjacent to an emergent wetland that has been disturbed by agricultural activities. LAN is familiar with and successful at delineating wetlands in disturbed areas.



A view of an emergent wetland area dominated by swamp milkweed (Asclepias Incarnate) an obligate wetland species.



A view of a LAN field crew traversing Marlu Lake during the bathymetric survey.

## Project Scope:

LAN Associates was contracted to perform a wetland delineation, an NJDEP Letter of Interpretation (LOI) application, and topographic/ bathymetric survey of a portion of Thompson Park and Marlu Lake. The purpose of the request was to establish the limits of regulated wetlands and transition areas for use in planning an alternative pedestrian route for an existing recreation trail. The wetlands location information would be used to plan a pedestrian walkway and bridge that minimized impact to sensitive areas. The bridge would span a portion of Marlu Lake, and provide pedestrians a safe alternative to traveling along the shoulder of a busy county road.

## Services Performed:

- Topographic Survey
- Wetland Delineation
- Wetland Permitting (LOI)
- Bathymetric Surveying (Bottom Contours of Lake)

## Project Highlights:

- Issued a topographic map including bottoms contours of a portion of Lake Marlu.
- Received NJDEP approval of Wetland delineation within five (5) months of LOI submittal.
- Provided MCPS with information necessary to plan a safe alternative route for pedestrians.