



## Wetland Services

Most activities in or around wetlands are regulated at the state and federal level. Knowing if a wetland is present on your site will prevent costly project delays.

EarthRes has expertise in delineating wetlands throughout Pennsylvania and within the Shale Gas Region. Our team can assist you with determining if wetlands are present and provide valuable input on how to manage these areas while maximizing site usage and advancing your project to completion.

### Delineation & Permitting

- Presence or Absence Determination
- Field Delineation of Wetlands (1987 USACE Manual)
- Wetland Boundary Survey
- USACE/PA DEP Joint Permits
- PA DEP General Permits
- Alternatives Analysis
- Stream/Wetland Encroachment and Crossing Permits & Design
- Wetland Functions & Values Assessments
- Threatened & Endangered Species Search Coordination

### Wetland Mitigation

- Compensatory Wetland Mitigation Plan Design & Implementation
- Wetland Hydrology Assessments
- Integrating Wetlands and Streams Into Site Design
- USACE Constructed Mitigation Wetlands Monitoring & Reporting

For more information on the wetlands services offered by EarthRes Group, Inc.

*Please Contact Jillian Olsen, M.S., QEP (800) 264-4553  
Certified Wetland Delineator*