



**CTL ENGINEERING IS ADDING VALUE AND SERVICES FOR THEIR CLIENTS BY GROWING INTO MORE ECOLOGICALLY BASED SERVICE LINES.**

Architects, Developers, Engineers, Governmental Agencies, Land Trusts and others use CTL Engineering for an array of established services and also for the growing list of ecologically sound services to successfully complete their projects, while meeting the regulatory requirements. The delicate balance between society and the environment has our attention and we intend to advance with the ever changing criteria which constitutes sustainable development.

CTL Engineering's qualified and experienced staff can assist in conducting field work, obtaining Permits with the Army Corp of Engineers and coordinating with the US Fish and Wildlife Service for Section 7 Consultation etc.

#### **ENDANGERED SPECIES**

A timely survey can avoid causing "harm" to Threatened and Endangered species and also result in cost and time savings by designing the project accordingly. Habitat Assessments for the following Species and more can be performed:

- Indiana Bat
- Small Whorled Pogonia
- Running Buffalo Clover
- Virginia Spiraea
- Eastern Massassuga

#### **ECOLOGICAL RELATED SERVICES**

- **Ecological Inventory**  
Knowing what exists in a natural area is the first step toward preserving natural habitats and managing them properly
- **Stream/Wetland Determination**  
A cost effective approach is to first identify whether jurisdictional waters of the U.S., including wetlands, may be a concern for the project
- **Stream/Wetland Delineation**  
Studying and marking the boundaries of potentially jurisdictional waters to assess their extent and effect
- **Permitting Services**  
Should the proposed project impact Streams or Wetlands, CTL Engineering staff can assist in the 404/401 permitting process, and help coordinate with State and Federal Agencies
- **Compensatory Mitigation Services**  
CTL Engineering can assist in meeting the mitigation requirements by selecting a cost effective option, i.e., Off-site or On-site mitigation, Enhancement, Restoration and/or Protection
- **Mitigation Monitoring**  
Regulations require three to five years of monitoring for mitigated sites and CTL Engineering staff provides these services in an efficient and cost effective manner to assist meeting long-term mitigation goals
- **Stream Assessments**  
Is the proposed project crossing a stream?  
Is it Jurisdictional? Let CTL Engineering assist in navigating through the permitting process with the Army Corp of Engineers