

# OUR PHILOSOPHY

At TTL, clients are the core of our business plan. We strive to understand our client's objectives and make sure that our services consistently exceed expectations. As part of an entrusted team, we must contribute to the client's success.

For over 45 years, TTL's professional staff have dedicated themselves to providing practical, cost effective solutions to the environmental concerns and geotechnical challenges faced by our clients on projects nationwide. TTL has developed a Natural Resources Group to support our Environmental and Geotechnical services. This group is comprised of scientists, engineers and geologists from each of our offices with a broad suite of natural sciences experience.

Contact the head of our Natural Resources Group, Mr. Bob White at [bwhite@ttlusa.com](mailto:bwhite@ttlusa.com), to see how TTL's Natural Resources Services can help you on your next project.



[www.ttlusa.com](http://www.ttlusa.com)

## Wetlands

Wetlands are under jurisdiction of US Army Corps of Engineers. TTL services are commonly required when a project has the potential to impact jurisdictional wetlands. Wetland issues may arise during project planning, or develop well into a project resulting in after-the-fact negotiation with Corps of Engineers.

TTL wetland services include:

- Delineation & Jurisdictional Determination
- Avoidance Consulting and Project Planning
- Permitting
- Mitigation

## Streams

Streams are under jurisdiction of US Army Corps of Engineers and State Environmental Regulatory Agencies. TTL services are commonly required when a project has the potential to impact a jurisdictional intermittent or perennial stream. TTL stream services include:

- Delineation & Jurisdictional Determination
- Avoidance Consulting and Project Planning
- Stream Impact Variance
- Mitigation

## Threatened & Endangered Species Survey

Threatened & Endangered Species services are commonly required as part of a land development project receiving Federal funding, as part of NEPA documentation, Federal permitting, or due diligence by developers. TTL's Threatened and Endangered Species Survey services include:

- GIS Desktop Survey
- Habitat Assessment
- Species Field Survey

# NATURAL RESOURCES

## NEPA

NEPA documentation is required when Federal resources are involved. TTL NEPA services include:

- Categorical Exclusion
- Environmental Assessment
- Environmental Impact Statement

## Bioassessment (or Biomonitoring)

Bioassessment is most commonly part of baseline and annual watershed-level monitoring. Bioassessment is an increasingly common tool as part of success criteria for Stream and Wetland Mitigation projects. TTL Bioassessment services include:

- Macroinvertebrate Survey
- Habitat Assessment
- Surface Water Quality Testing
- Fish Survey

## Watershed Assessment Services

Watershed Assessment Services are required in some states when NPDES permits are issued or reauthorized. TTL watershed services include:

- Watershed Monitoring Plan
- Watershed Assessment
- Watershed Protection Plan
- Annual Monitoring

## Mitigation Banking (Stream & Wetland)

Mitigation Banking is the restoration, creation, enhancement, or preservation of a wetland, stream, or habitat conservation area which offsets expected adverse impacts to similar nearby ecosystems. TTL Banking services include:

- Potential Site Evaluation
- Prospectus Report
- Preparation of Banking Instrument
- Restoration Design
- Monitoring, Evaluation, Management

