



Challenges abound in projects that focus on wetlands and streams. Each site presents a unique and often vulnerable ecosystem. Solutions must address business objectives *and* regulatory oversight. Often, there must be identification, delineation, mitigation, and more. Most importantly, there's a natural habitat to protect and allow to flourish.

Navigate regulatory steps quickly and cost-effectively.

Wetlands — marshes, swamps, bogs, and other saturated areas — are essential ecosystems. Wetlands are home to diverse plant and animal species, and wetlands filter water that's ultimately used for drinking. Their protection is paramount at SynTerra. Our wetlands delineations are routinely approved by the U.S. Army Corps of Engineers, and our stream design/relocation permit submittals are used as examples to emulate. Similarly, our mitigation plans are considered examples of efficient, environmentally conscious designs. SynTerra scientists and engineers have also designed wetlands as permitted treatment systems.

Like wetlands, streams are essential aquatic habitats, so SynTerra stays on the cutting edge of innovations for preserving and enhancing them. For instance, SynTerra personnel are trained in the Rosgen analysis and classification system for streams, and they use it in natural stream channel design. We've also gained expertise from training through the Stream Restoration Program at North Carolina State.

SYNTERRA CAPABILITIES FOR WETLANDS AND STREAMS PROJECTS

Wetlands

- Identification
- Delineation
- Mitigation planning
- Constructed wetlands for storm water and wastewater management

Specialized training

- Wetlands vegetation
- Hydric soils
- Wetland hydrology
- Rosgen analysis/classification

Stream restoration

- Stream morphology assessment
- Design principles
- Project implementation/evaluation
- Construction oversight
- Coastal stream implementation/evaluation

Regulatory compliance

- U.S. Army Corps of Engineers
- Section 401 and 404 permitting
- Nationwide permitting

