South Carolina Conservation Lands Management Planning

Project:

Define management actions on three sites near Greenville, NC to maximize biological diversity

Client:

Ethos Projects

Project Team:

Exum Associates

Challenges:

- *Implementing management actions on relatively small conservation tracts with a history of disturbance*
- *Identifying cost-effective approaches to restoration of natural systems on highly disturbed lands associated with a golf course and an old pig farm*
- *Implementing management actions that will be resilient to potential land-use changes adjacent to the conservation tracts*

Management Units on PRW

Accomplishments:

- *Created a strategy for protecting slopes most vulnerable to erosion to improve water quality in streams that feed the Chattahoochee River*
- *Created Desired Future Conditions for protection and restoration of biological diversity on oak hickory forest, forested floodplain, herbaceous marsh, and old-field habitats*
- *Documented the presence of dozens of species of wildlife from black bear, white-tailed deer and bobcat, to 60 different species of birds*

Management Priority, DFC and Short-term Management Actions	*Technique*	*Timeframe*	*Priority*
Forested Floodplain			
1. Identify locations along gullies and stream corridors where erosion has occurred or is likely to occur, and stabilize erosive slopes.	Field Assessments/ Implementation	Monthly, including after episodes of heavy rainfall	High
2. Monitor sources of turbidity during heavy rainfall events and develop actions to mitigate impacts and prevent further erosion.	Monitoring	Ongoing	Moderate
3. Allow native wetland canopy and understory to re-establish in areas of creeks and the Saluda River that are flooded or saturated frequently.	Planning	Ongoing	Moderate

Assignment

Create a concise set of management actions to sustain or enhance natural communities on 3 tracts of private conservation land in the Piedmont region of South Carolina.

EXUM ASSOCIATES, INC.