

# PROJECT PROFILE



## TERMS® TMAX HPTRM

Permanent • Anchoring Systems • Wetlands  
Creek Stabilization • Flood Diversion

# Revitalizing McCoy Creek Watershed



## PROBLEM



## SOLUTION



## RESULT

The McCoy Creek watershed, an economically vulnerable region in Jacksonville, faced significant challenges due to historic channelization and bulkheading. This intervention led to frequent flooding of roads, homes, and businesses, even under normal rainfall conditions. Alongside this, the area's natural floodplain, wetlands, and vital habitats for flora and fauna were severely impacted.

In response, the City of Jacksonville allocated \$105.4 million to address these issues. The project's primary objectives included mitigating flood risks, improving neighborhood spaces, enhancing recreational opportunities, and protecting the environment. Central to this mission was the restoration of McCoy Creek, transforming it into a beneficial community asset while bolstering the natural habitat for various species.

Western Green contributed to this ambitious project by implementing the North American Green TMax TERMS system along the creek's banks as well as other erosion control blankets. This system played a pivotal role in preventing slope failures and enabling the growth of native vegetation.

The TERMS (Turf Reinforcement Mats) system is an Anchor Reinforced Vegetated System (ARVS), combining a high-strength geotextile with deep-seated anchors for soil stabilization and erosion control. The system's adaptability allows for variations in components, anchor depth, and spacing, ensuring optimal site-specific application. Key components include the TMax High Performance Turf Reinforcement Mat (HPTRM), Falcon Anchors, and Falcon Hex Pin tie downs.

The McCoy Creek watershed project, bolstered by the TERMS system, not only resolved the flooding issues but also restored the creek's ecological balance. The project is a testament to Western Green's commitment to innovative, environmentally sensitive solutions, marking a significant step towards sustainable urban development and natural habitat restoration.

## PRODUCT HIGHLIGHTS



TMAX HPTRM with  
Falcon Anchors & Pins

**TERMS stands out for its superior strength, lower strain values, and an open matrix design that fosters vegetation growth.**

**This technology has been proven effective in both laboratory and challenging field conditions, offering unmatched hydraulic performance and resistance to deformation.**

**Its low-elongation strength and ultimate strength make it ideal for slope stability and surface reinforcement, setting a new industry standard.**