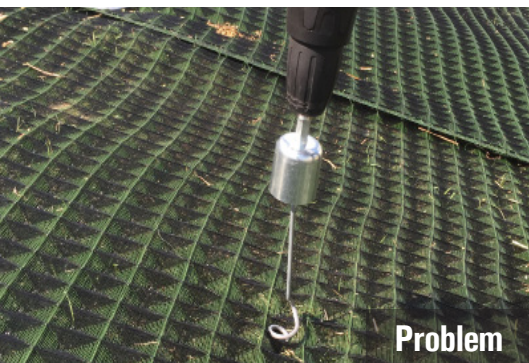


MCCOY CREEK WATERSHED JACKSONVILLE, FL



Problem



Solution



Result

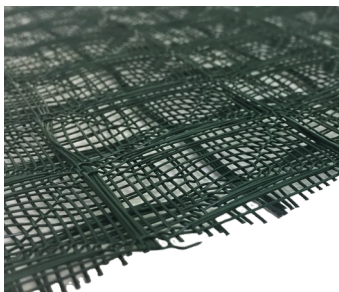
Application: Creek Stabilization
Product: TMax HPTRM + Anchors

Site Issues: Flood Control • Waterway • Restoration and habitat improvement • Saturated Soils

Problem: 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. Additionally, 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.

Solution: 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 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.

Result: 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 combines high strength with ultimate vegetation performance for critical project designs.
- The soft, green armored system allowed the site to remain vegetated in place of hard armor such as rock.
- The extended longevity of the product allows for erosion protection, while the vegetation established.