

# CASE STUDY

## FLAGLER ESTATES

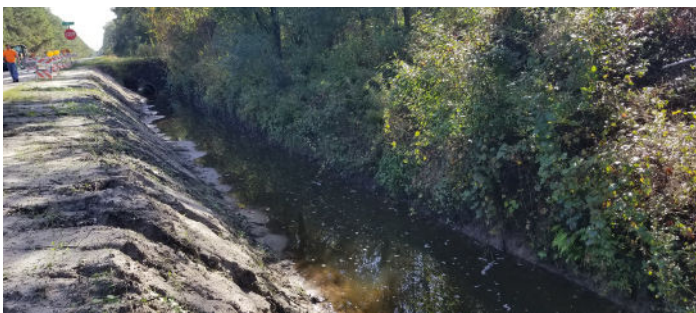
### ST. JOHNS COUNTY, FL

#### STREAMBANK STABILIZATION



## PROJECT SUMMARY

The Flagler Estates Road and Water Control District (FERWCD) maintains 400 miles of roadside drainage ditches and 100 miles of canals that manage stormwater runoff from a 7,400-acre rural development. Overland runoff and storm water conveyance caused extreme erosion of these ditch banks, which required reconstruction up to four times a year. FERWCD wanted a solution that would eliminate the continuing maintenance cost. SCOURLOK® was selected because it is a permanent bank stabilization solution that offers below water scour protection, slope stabilization and erosion control. Two rows at 45ft each of SCOURLOK were installed along the banks with installation being complete in one day. Additionally, ARMORMAX® was used to stabilize the slope adjacent to the roadway shoulder. This combination yielded a vegetated solution that is environmentally friendly to aquatic and amphibious populations. Plus, the project cost was 75 percent less than the District's traditional stabilization method of using concrete bags.



**PROBLEM** Extreme erosion of ditch bank caused by overland runoff



**SOLUTION** SCOURLOK® was chosen as it offers permanent bank stabilization and below water scour protection



**INSTALLATION** 90 feet of SCOURLOK was installed along the ditch banks



**PERFORMANCE** SCOURLOK provided a vegetated solution that cost much less than the traditional method of concrete bags

## FEATURES & BENEFITS

- PYRAMAT® HPTRM provides superior erosion control protection
- Can be installed below or above water to fully armor the entire shoreline
- Pre-assembled compact design makes shipping and installation easy and cost effective
- Baskets can easily be connected or stacked to accommodate projects of any size
- Yields a vegetated solution that is more aesthetically pleasing and works as a water quality compliance BMP
- GEOTEX® material works to separate/control sediment



VISIT OUR WEBSITE FOR MORE INFORMATION, PRODUCT SAMPLES OR OTHER INQUIRIES OR CALL CUSTOMER SERVICE AT 1.800.621.1273



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