

Brooker Creek Preserve Wetland & Stream Restoration

Location: Tarpon Springs, Florida – Pinellas County
Owner: Southwest Florida Water Management District
Contact: Mr. Mike Holtkamp, Sr. Professional Engineer
813.985.7481 ext 2212
Value: \$470,000

Description: In January 2005, Turnbull Environmental, Inc (TEI) was awarded two competitively bid contracts for the hydrologic and habitat restoration of Channels L and F of the Brooker Creek Preserve in Tarpon Springs, Florida. Pinellas County owns and manages the Brooker Creek Preserve, generally located east of Tarpon Springs, on the Pinellas-Hillsborough county line. Numerous large and small channels of Brooker Creek, including the main channel, pass through the 8,500-acre Brooker Creek Preserve.



Key elements of the project included replacement of 1500' of an elevated earthen access road with a geoweb at-grade system, installing geoweb low-water crossings, and stabilizing adjacent banks, removal of a berm, wetland creation and planting, and upland planting. The earthen roads were over-excavated and then brought to original wetland grade using geoweb fabric, geogrid, and geocell layers. Access roads were stabilized to allow for a 60 ton load. Over 15 acres were created or restored with the hydrologic improvements, and subsequently planted with native wetland plants.

Equipment: Standard Trackhoes, Backhoe Loader, Bulldozer, Loader, standard and off-road dump trucks.

