

## **Abstract**

The Saline Bayou runs through the Winn Ranger District of the Kisatchie National Forest, approximately one-mile southeast of Goldanna, Louisiana. Saline Bayou is classified as a National Wild and Scenic River and the Goldanna Boat Ramp has become increasingly popular for recreational boating, receiving more than 1000 visitors annually. During the spring of 1995, flooding caused severe erosion along the channel of Saline Bayou at the Goldanna Boat Ramp. In 1998, the U.S. Forest Service obtained a Section 319 grant from LDEQ to implement bioengineering techniques to restore a 150 foot section of the streambank.

Bioengineering techniques utilize natural material and root systems to hold the soil in place to increase bank stability and may be used in combination with standard engineering practices. These techniques would not distract from the aesthetics, would reduce erosion along the streambank and would be in accordance with Section 7 of the National Wild and Scenic Rivers Act.

More than 100 hardwood saplings (cypress, willow oak, water oak) were planted along the restored bank so that the trees would cover the entire area. An interpretive sign was designed and installed at the restoration area in order to educate the public about bioengineering as a method to restore streambanks. The project proved to be costeffective and was very successful.