

Hydrographic and Topographic Survey of Oso Creek and all Tributaries in Nueces County, Texas

Scope of Work

This project includes obtaining channel cross-sections, obtaining the physical dimensions of hydraulic and flood control structures, and identifying or establishing elevation reference marks along Oso Creek and its tributaries. Field survey data was collected for detailed study stream reaches along the course of the river from the mouth to the furthest upstream reach.

Size – 55 total stream miles for creek and tributaries

Cost – \$95,000

Principal Elements and Special Features

Data included measuring hydraulic widths and sizes of dams, bridges and other obstructions as well as measuring the depth of river bottoms. The topographic portion was completed with GPS-RTK and conventional surveying; and the channel hydrographic portion was completed with GPS-RTK and leveling methods. The survey points were delivered in txt format arranged in PNED order for input into FEMA's Wise software database.

Relevance

This project demonstrates Frontier's ability to collect and provide accurate survey data while adhering to very specific deliverables required in order to satisfy the contract.

