



Underwater Site Reconnaissance

Former Camp Maxey RI/FS (K06TX030501)

Technical Lead 256-895-1373

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG.

Objective

To collect underwater bathymetry and sonar data to further characterize the Pat Mayse Lake located within a range fan at Former Camp Maxey, Texas and help determine if underwater EM and/or magnetometer equipment can be safely deployed.

Problem Being Solved

The RI/FS as it was previously funded did not address water bodies lying within the project bounds, therefore representing a gap in the characterization effort. The Pat Mayse Lake was created by flooding the valley which was part of a range fan.

Technology Description

Multibeam bathymetry and sonar imaging techniques will be used to collect bathymetry data and image bottom conditions. Additionally sonar imaging will be tested to see if any ordnance-like objects can be seen proud of the lake bottom.

Technical approach

Transects will be designed within the range fan area that overlaps Pat Mayse lake to maximize coverage. Multibeam bathymetry will be obtained from vessel of opportunity. Either side-scan sonar or forward-looking imaging will be obtained. Additionally, dependent on water clarity underwater video equipment will be deployed. This will be a joint operation between CEHNC and NAVO. CESWF personnel will also be present for training purposes.

Expected DoD Benefit

There are two main benefits expected from this effort: (1) Additional characterization of the Former Camp Maxey, resulting in a more complete RI, and (2) Transition of technology and increased capabilities for future underwater efforts.

U.S. ARMY CORPS OF ENGINEERS – ENGINEERING AND SUPPORT CENTER, HUNTSVILLE

P.O. BOX 1600, HUNTSVILLE, AL 35807

Public Affairs Office 256-895-1694

<http://www.hnd.usace.army.mil>

Distribution A: Approved for public release; distribution is unlimited.

July 2010