



SWG; Colorado River Erosion Assessment and Recommendations

ERDC Dredging Operations Technical Support Program (DOTS)

U.S. ARMY CORPS OF ENGINEERS

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Response Summary:

SWG (Galveston District); Requested Mr. David May and Dr. David Biedenbarn to visit several sites along the Lower Colorado River in Texas to advise on ongoing bank stabilization issues. A few of the sites exhibited bank erosion onset by mass rotational failure. These bank losses have led to property loss and increased sediment delivery to the system. The increased sediment delivery to the system may lead to water supply and flood risk management issues. A Planning Assistance to States (PAS) study is in the early phases between SWG and three counties impacted by the aforementioned erosion issues. Bank stabilization measures and data collection needs were outlined by ERDC personnel throughout the visit all with the intent of facilitating an effort that will reduce sediment delivery into this system.

Period of Performance:

August 11-Present

Benefits of the Response to the USACE Dredging/Navigation Program:

This DOTS effort and its recommendations will likely lead to PAS study that will involve ERDC personnel to further assist SWG in their efforts to reduce sediment delivery to often dredged areas, thus resulting in cost savings to the USACE.

Deliverable:

A tech note is underway and will be completed early FY20.



Providing environmental and engineering technical support to the U.S. Army Corps of Engineers Operations and Maintenance navigation and dredging missions

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DOTS ID: DOTS-19-R41