

Geomorphology and Physical Processes

Selected Reports Contracted by TWDB

List compiled by Eric S. Hersh, UT-CRWR, June 2009

http://www.twdb.state.tx.us/RWPG/rpgm_rpts.asp

Geomorphic Processes, Controls, and Transition Zones in the Middle and Lower Trinity River

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/0704830781_TrinityZones08.pdf

Geomorphic Units Of the Lower Sabine River

note: Appendix A and B are available separately on CD-ROM

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/0704830782SabineGeomorphic.pdf

Sediment budgeting in the upper and middle basins of the Brazos and Trinity Rivers, TX:

An assessment of methods and directions for future work

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/0600010585_Sediment.pdf

Geomorphic Classification of the Lower San Antonio River, Texas

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/0604830637_LowerSanAntonioRiver.pdf

Channel Change on the San Antonio River

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/0604830638_channelchange.pdf

Field Data Collection In Support of Geomorphic Classification of the lower Brazos And Navasota Rivers

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/0604830639_BrazosY2rept.pdf

Geomorphic Equilibrium in Southeast Texas Rivers

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/0605830636_geomorphicEquilibrium.pdf

Geomorphic Processes, Controls, and Transition Zones in the Lower Sabine River

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/0600010595_Sabine.pdf

Geomorphic Context, Constraints, and Change in the lower Brazos and Navasota Rivers, Texas

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2005483564_Phillips.pdf

River Channel Morphology– A tool for analyzing and extrapolating river channel bathymetry

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2004483016_RiverChannelMorphology.pdf

A GIS Framework for Describing River Channel Bathymetry

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2003483002.pdf

Geomorphic Impacts of Lake Livingston on the Lower Trinity River, Interim Report, Year 2

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2002483442b.pdf

Sediment Delivery and Channel Change on the **Lower Trinity** River, Texas; Quantifying Sediment Transport; Downstream Trends in Discharge, Slope, and Stream Power in the Lower Trinity River; Sediment monitoring in Galveston Bay. *note: this is a 5 report series, 2003 – 2007*

Year 1 (May 2003) - Sediment delivery and channel change on the Lower Trinity River, Texas

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2002483440/2002483440_Year1.pdf

Year 2 (March 2004) - Quantifying sediment transport and delivery on the Lower Trinity River, Texas

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2002483440/2002483440_Year2.pdf

Year 3 (March 2005) - Quantifying sediment transport and delivery on the Lower Trinity River, Texas

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2002483440/2002483440_Year3.pdf

Year 4 (September 2006) - Downstream trends in Discharge, Slope, and Stream Power in the Lower Trinity River, Texas

note: This year 4 report is also a report of the Coastal Coordination Council

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2002483440/2002483440_Year4.pdf

Year 5 (June 2007) - Sediment monitoring in Galveston Bay - Final Phase

with Jonathan D. Phillips

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2002483440/2002483440_Year5.pdf

Evaluation of the Trinity River Floodway Channel Realignment

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2002483443.pdf

Interim Report - Year 1: Sediment Retention in Stream Corridors of the Lower Trinity River Basin, Texas

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/2002483442.pdf

The Effect of Dams on Sediment Retention in Bottomland Hardwood Forests within the Upper Angelina River Basin, Texas: A Feasibility Study

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/98483250.pdf

Suspended Sediment Retention in Bottomland Hardwood Forest Stream Corridors of the Upper Angelina River Basin, Texas

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/99483300.pdf

Determining Recent Sedimentation Rates of the Nueces River System, TX

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/95483075.pdf

Determining Recent Sedimentation Rates of the Trinity River, Texas

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/93483356.pdf

Sedimentation and Historic Changes in Fluvial-Deltaic Wetlands Along the Texas Gulf Coast with
Emphasis on the Colorado and Trinity River Deltas (1990)

http://www.twdb.state.tx.us/RWPG/rpgm_rpts/90483756b.pdf