

TRINITY RIVER INFORMATION MANAGEMENT SYSTEM: A STAKEHOLDER DRIVEN RESOURCE MANAGEMENT TOOL

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Abstract

The Trinity River and its tributaries drain an area of over 11.5 million acres in Texas. The Trinity River watershed is highly urbanized within the northern half of the watershed dominated by the Dallas-Fort worth metroplex. Even with this, there are over 32,000 private farms and ranches that cover 75% of the Trinity River Basin. Management of the natural resources in these rural areas is critical to the overall health of the river basin, thus improving the quality of life, economic sustainability, and ecological integrity of the Trinity River basin. Stakeholders in rural areas often have limited access to geographic information systems (GIS) and geospatial information. The Trinity River Information Management System (TRIMS) was developed to address the need of local stakeholders to easily access and use geospatial data for making land use decisions in the Trinity River Basin. TRIMS is an internet based mapping application using the latest in ArcGIS Server technology from ESRI. It is designed as a planning and outreach tool to be used by stakeholders for supporting land management, conservation, and habitat restoration decisions in the basin.

[Abstract Only]

In Proceedings of the 6th Southern Forestry and Natural Resources GIS Conference (2008), P. Bettinger, K. Merry, S. Fei, J. Drake, N. Nibbelink, and J. Hepinstall, eds. Warnell School of Forestry and Natural Resources, University of Georgia, Athens, GA.