

GIS-Based Mapping for Irrigation Districts

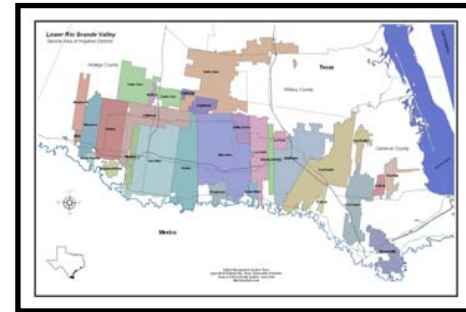
Objective: Encouraging GIS development as a tool for Mapping, Planning, and Management.

Uses for GIS (Geographical Information Systems) include:

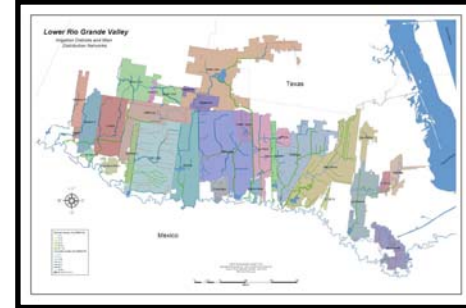
- allowing districts to have accurate and up-to-date maps as when changes occur
- storing basic attribute data on the infrastructure
- defining conditions of the infrastructure to help identify segments needing increased maintenance or rehabilitation
- solving location and area disputes
- analyzing information, patterns, and trends that effect irrigation district decision-making such as in water usage, crop mixes, and urban development

Irrigation District Engineering and Assistance Team
<http://idea.tamu.edu>

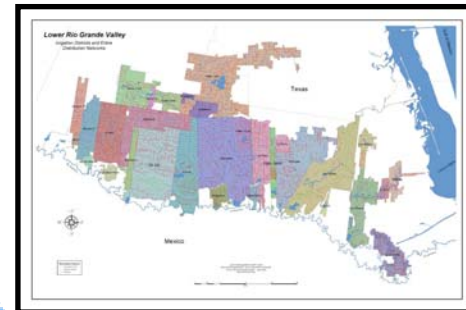
Lower Rio Grande Valley Regional Series



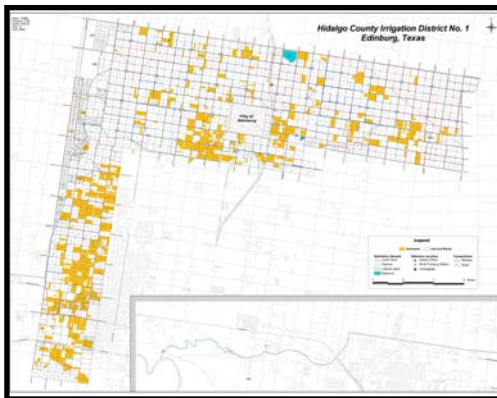
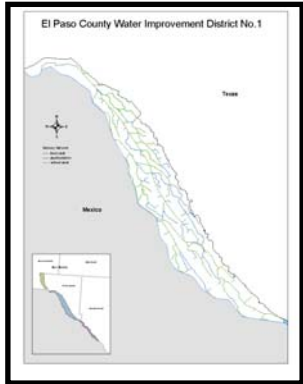
Service Areas of Irrigation Districts



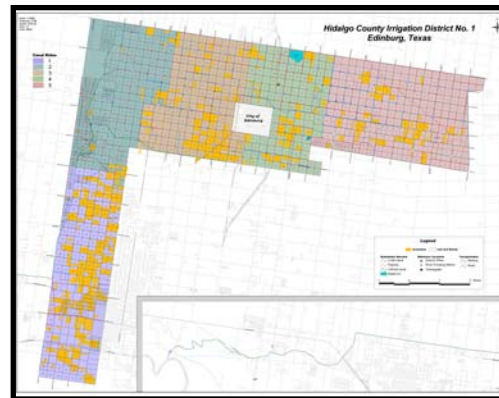
Main Water Distribution Networks



Entire Water Distribution Networks



Hidalgo County Irrigation District No.1 map in contrast with excluded urban lands.



Hidalgo County Irrigation District No.1 map showing the management zones.

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