Enterprise GIS for San Antonio River Authority

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Abstract  
In this article, GIS database implementation together with the ArcIMS internet/intranet site for San Antonio River Authority, and management of river authority related datasets and metadata from diverse sources using MS SQL/ ArcSDE, and ArcIMS technologies are explained.  
GIS database/website implementation for the organization requires all the project management procedures to be applied from the project initiation to the closing phase and has its specifics.  
The roadmap to consider when building Enterprise GIS Database for water resources, and the procedures to form the behavioral geodatabases that address department specific needs/requirements based on the object-oriented GIS database are explained, together with serving of the data and metadata over network and intranet/internet using ArcIMS technology explained.