

Abstract

Raster Geodatabase: Illinois Department of Natural Resources

Track: Database Design, Automation, and Management

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The Illinois Department of Natural Resources in conjunction with GIS Solutions, Inc. has developed an intranet application allowing users to interactively view and query statewide spatial data easily through a web based browser. Containing more than forty vector layers and gigabytes of raster data (DOQQs, DRGs, PlatMaps); this system utilizes a centralized, cost-effective geodatabase. Particular emphasis will be placed on the methods of processing and loading the raster data into the geodatabase. This application is developed using ArcIMS, ArcSDE, ERDAS IMAGINE, and Microsoft's SQL Server database.

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