

## Sean Moran

Sean Moran is a seasoned, knowledgeable and well-liked GIS and Planning professional. Everyone in the region knows Him (Sean) and has worked with him in some capacity over the years. Without fail, he leaves a lasting impression of professionalism, wit and enthusiasm. He is open to both teaching and learning. He is one of the original organizers of this group (formerly Austin Area Arc User's Group).

He is also known as **GIS Reverend Moran**.

Sean Moran, would you please come up here.

Sean has been instrumental in establishing and managing various aspects the many projects at CAPCOG to name a few: GeoMap, GreenPrint, Land Fragmentation Analysis, and Growth Assessment to name a few. Sean' accomplishments can be seen in the form of GIS data sets and details about these projects on the CAPCOG website.

Here are some of those details.

### **GeoMap:**

The Capital Area Geospatial Base Mapping (GeoMap) Project is a multi-year, cost-sharing initiative to produce and maintain current geospatial base map data for our region. Base map layers include aerial photography, elevation data, structures, road centerlines, pavement, vegetation, and land cover. Historically, project participants have received several dollars of data for every dollar contributed, making GeoMap a great opportunity for Central Texans to develop low cost, accurate, and up-to-date Geographic Information Systems (GIS) data for their organization.

### **Greenprint:**

Worked with Trust for Public Land and Envision Central Texas as well as elected officials in Bastrop, Caldwell and Hays Counties to create an interactive map of conservation priorities. Used CAPCOG's data gathered for the Information Clearinghouse to create a new "visibility index." This index was used to provide hard data to validate the opinions regarding which parcels that had the most scenic value based on their topography relative to nearby areas. This data was incorporated into the weighting used to select the highest conservation priorities in the three counties.

### **Land Fragmentation Analysis:**

Used 2005 and 2008 satellite images to show the ongoing subdivision and development of large parcels in the 5-county Austin Metropolitan Area. Created a shapefile of the

affected parcels to demonstrate where land development activity has been occurring in the region.

### **Growth Assessment:**

Made a number of maps to depict the effects of both recent and projected growth on the CAPCOG region in a presentation to a CAPCOG subcommittee. Topics depicted included land consumption, urbanized area growth, annexation, road and building construction and water usage.

### **County Transportation Plans**

Used road files to create Traffic Serial Zones for Burnet County. Used a combination of satellite images, 911 data and business listings to create 2005 base year estimates of housing and employment from which future projections could be made. Also used satellite images to create "before and after" illustrations to demonstrate the effects of growth in Burnet and Bastrop Counties.

### **Water Database:**

Created an up-to-date compendium of water-related data for the 10-county CAPCOG region, which is hosted on CAPCOG's website.