

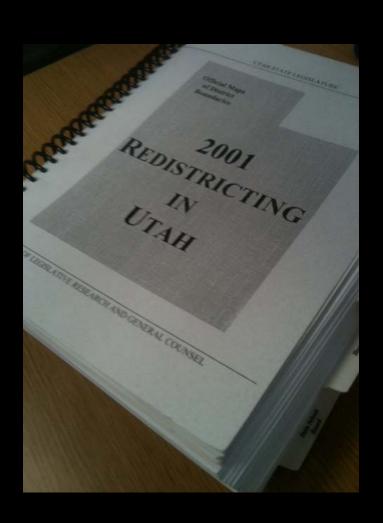
Elections-Related GIS:

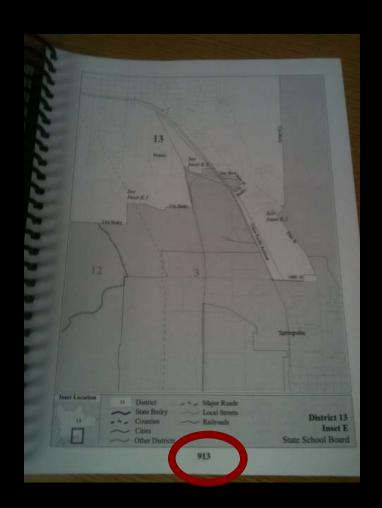
design-build exercises in Utah

Bert Granberg Utah AGRC April 18, 2012



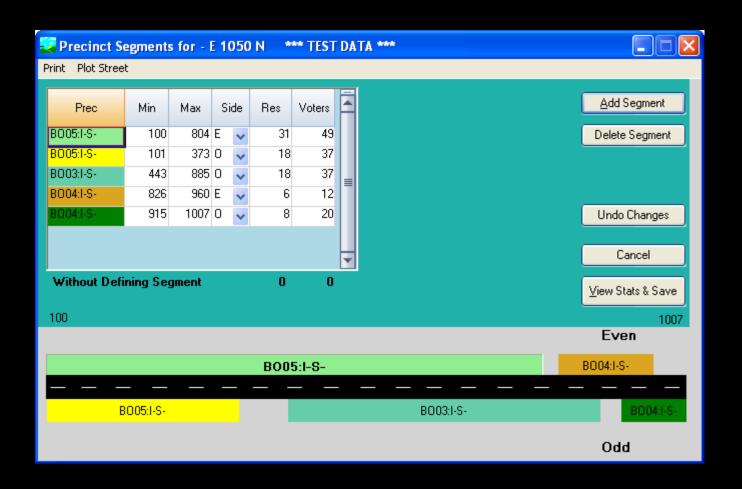
Utah's 2001 Redistricting Product







Precinct Assignment, Pre-GIS





Catalysts

Utah County Republican Rep. Craig Frank out; finds out he didn't live in House district after all



Related

Richardson resigns Utah House seat Jan. 6, 2012

Barney Frank announces retirement

Nov. 28, 2011 'Friction' over new voting

precincts Nov. 7, 2011

SD lawmakers approve new 35

Oct. 24, 2011

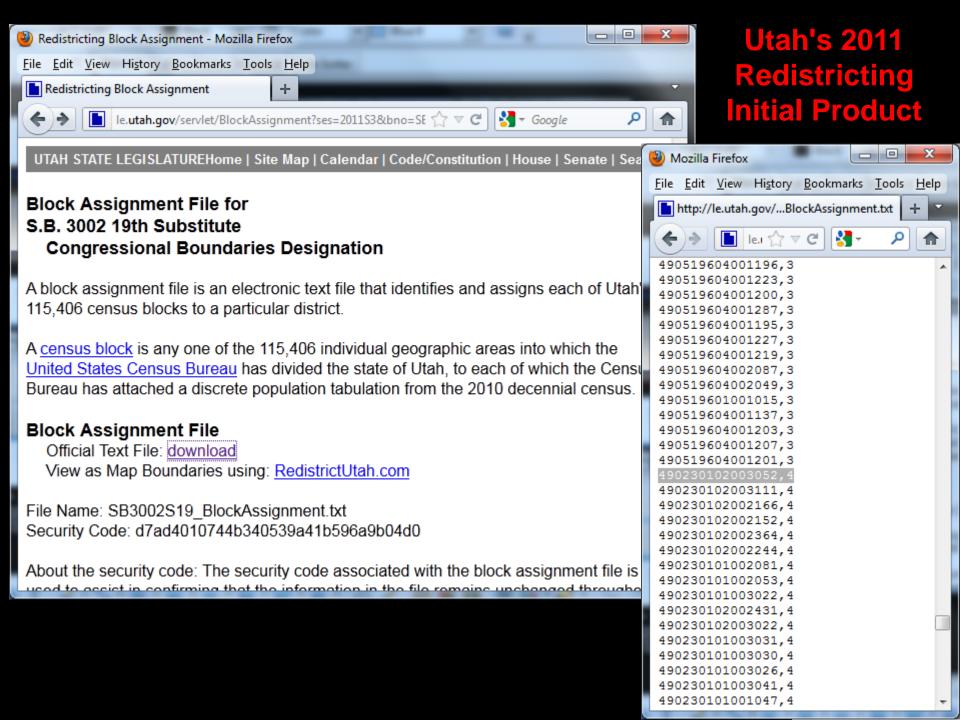
SALT LAKE CITY — Former Rep. Craig Frank, R-Cedar Hills, said he found out Friday he didn't legally represent District 57 when he was fooling around on a new House website.

Frank said he clicked on a feature that allows users to find out who their state lawmaker is by typing in their address. "I clicked on that for fun, to look for myself," he said. "To my surprise, my picture didn't come up."

Instead, he discovered was that he and his family actually had moved out of District 57 two years ago, making him ineligible to serve and leaving residents of the Cedar Hills area without a representative







Adjust Block-Based District Boundaries

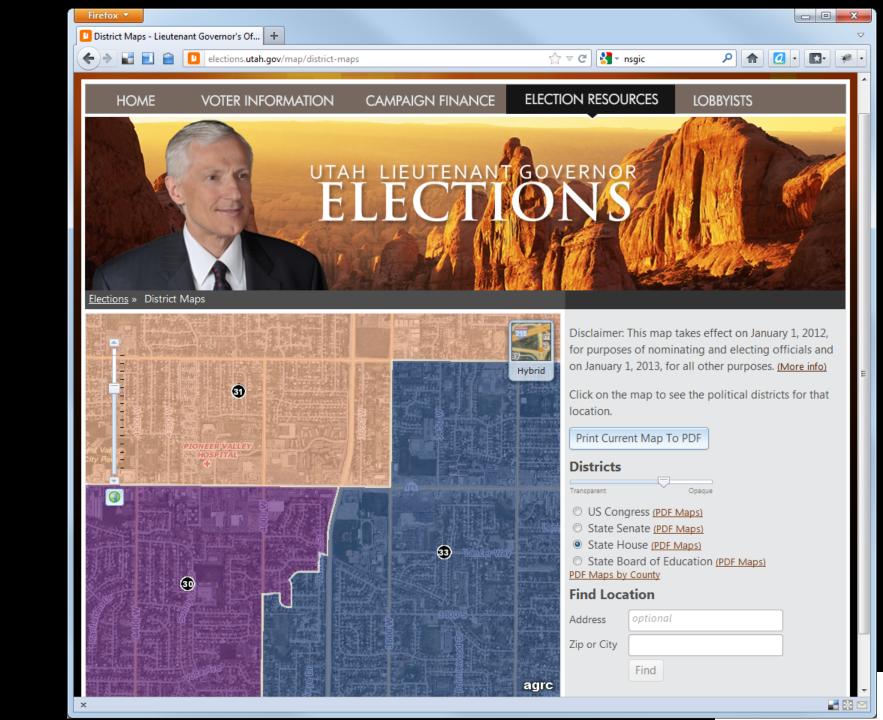
Off of Residences



To More Accurate County Boundaries





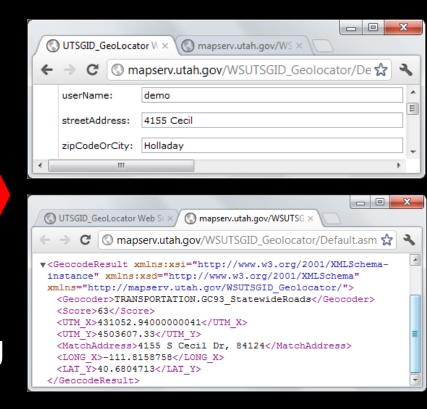


Basic GIS Foundation

Address Locator Web Services

- first point then centerline
- zip or placename

Heads-Up Address QC & Editing



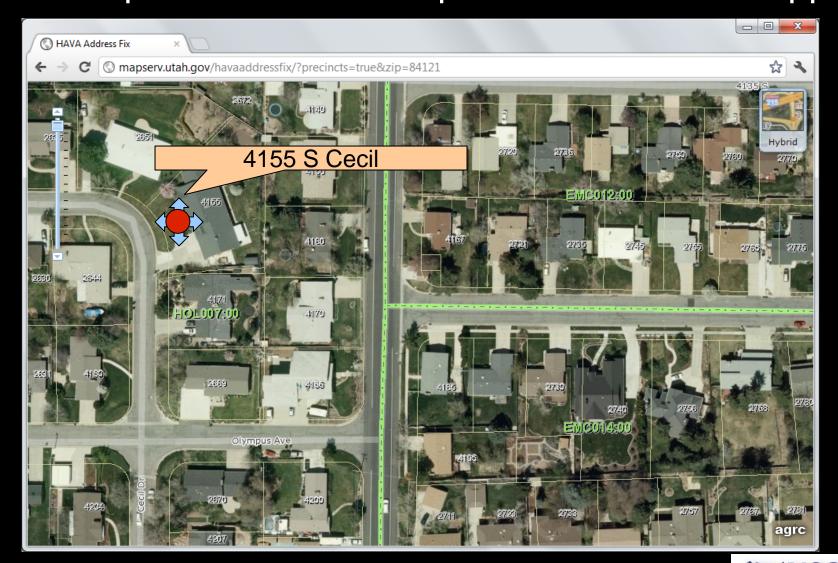
Spatial Query Web Services

- Voter Residence to Precinct (Assignment)
- Precinct to District (QC)

Interactive Maps for Public Information

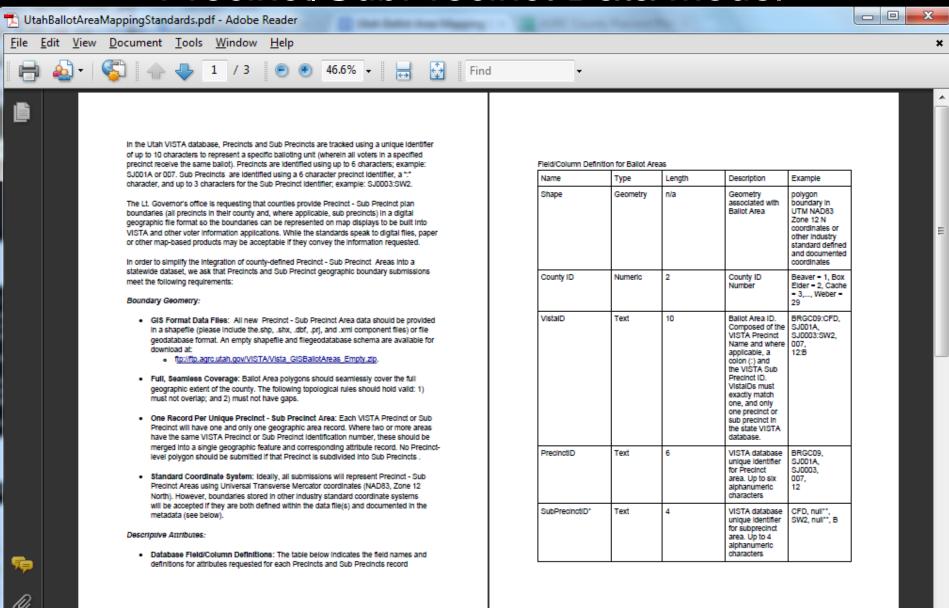


Embeddable Precinct Map Clerks place/edit address points within VISTA app



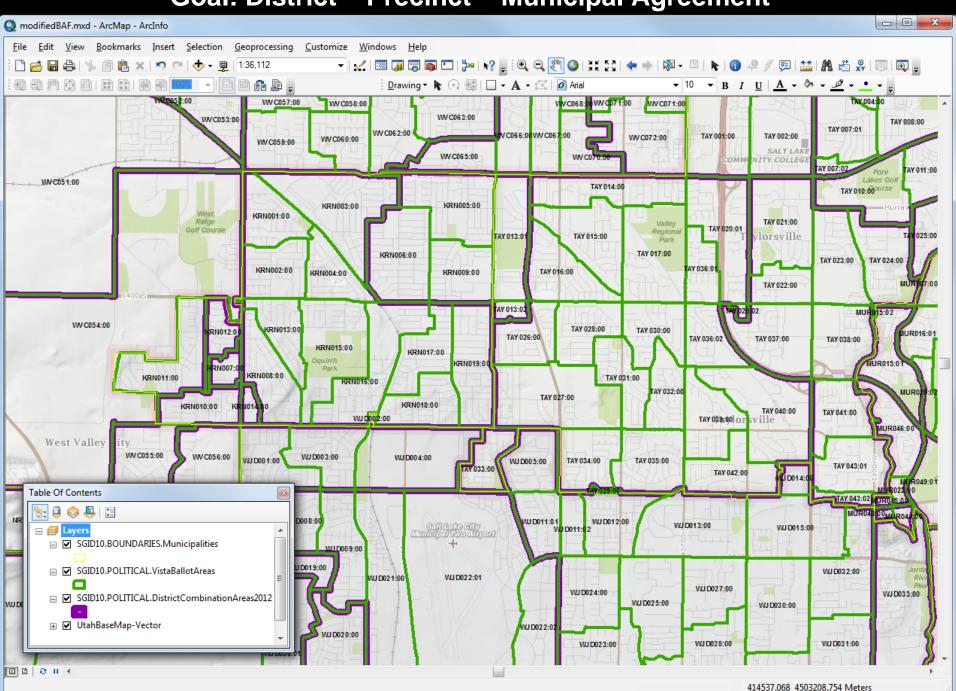


Precinct/SubPrecinct Data Model





Goal: District – Precinct – Municipal Agreement



Why GIS ??

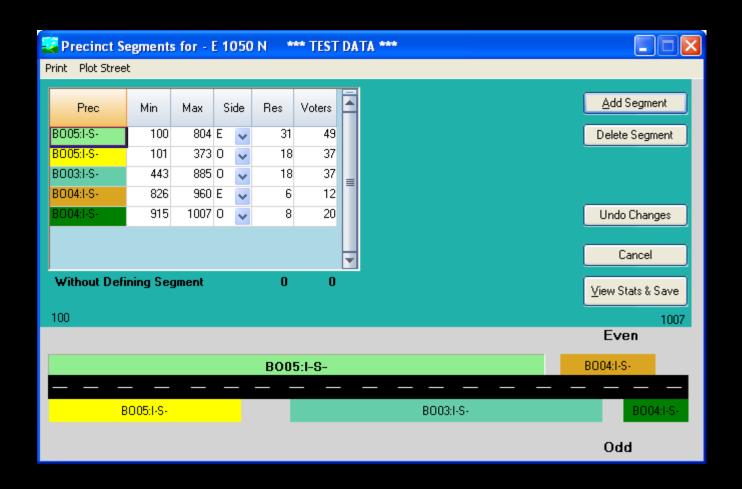
- Visualization
- Automation
- Transparency
- Flexibility
- Precision/Integration (with boundaries!)

Why Not??

- General Unfamiliarity with GIS Technology
- Unfamiliarity with Existing Data & Services



Precinct Assignment, Pre-GIS





Address Points & Precincts Mgt

