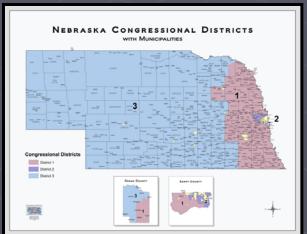


### Redistricting

- What is redistricting?
- Census Bureau
- Population changes
- \* Technology/GIS
- Software demo

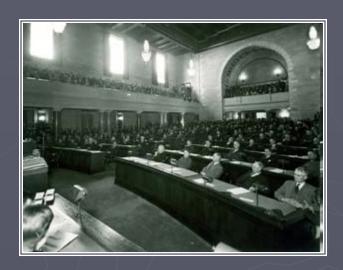




### Redistricting - Nebraska

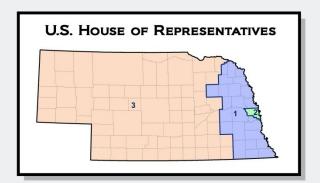
#### What is redistricting?

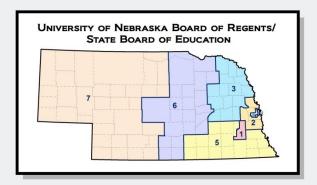
- Decennial Census
- The Legislature draws district boundaries
- Each district must be composed of substantially the same number of people
- People then vote by district
- The 2000 system:
  - Legislative task force
  - Non-partisan Research Office
- Public input is welcome

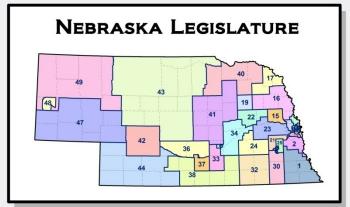


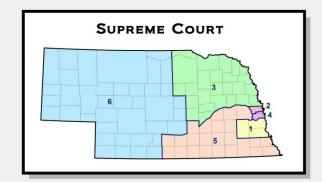


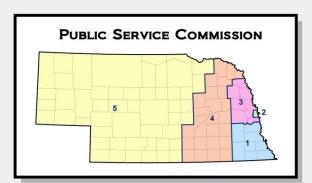
### Redistricting - Nebraska











### **Redistricting** – Timeline

#### 2008 - 2010

 Compile and verify boundary data to enable Census Bureau to attribute population data to boundary files

#### 2010 - 2011

Data returned from Census after 2010 count and......

#### 2011 - 2012

- Legislature draws boundaries
- New district plans finalized before elections

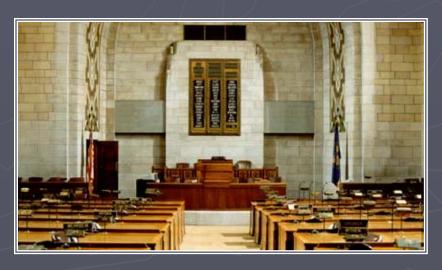




### Redistricting – Timeline

- Plans introduced as bills
- Public Hearings
- Legislative Floor debate
  - Amendments?
- Vote
- Governor's Signature





#### Redistricting – U.S. Census Bureau

#### Public Law 94-171

- Mandates the provision of small area data required for legislative redistricting no later than 1 year following Census Day
- Requires the Census Bureau to work with the states to identify those small areas
- **\*** Examples: voting districts, census blocks

#### **Census Bureau Redistricting Program Phases**

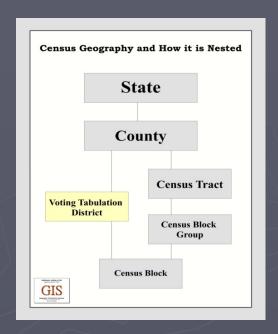
- Phase 1 State Legislative District Project, 2005 - 2007
- Phase 2 Voting District/Block Boundary Suggestion Project, 2008 - 2010
- Phase 3 2010 Census Data Delivery, Spring 2011
- Phase 4 Collection of post-2010 Census Redistricting Plans, 2011 - 2013
- Phase 5 Evaluation and Recommendations

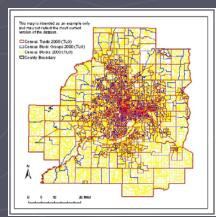


### U.S. Census Bureau Redistricting Program Phase 2

#### **Voting Tabulation Districts (VTD)**

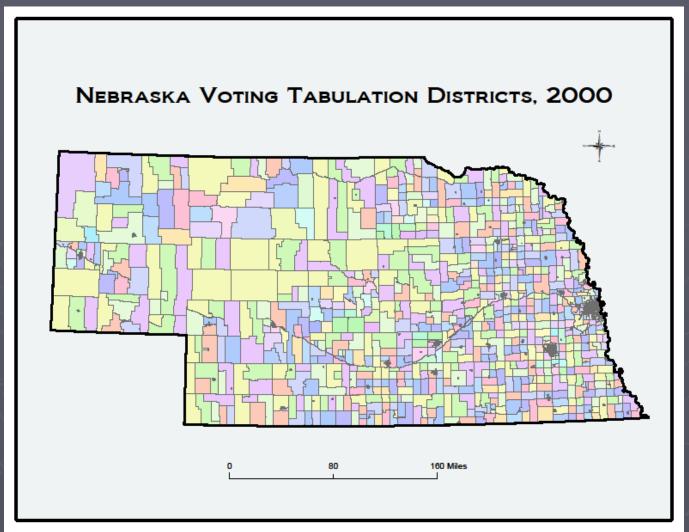
- \* "Building Blocks" for redistricting process
- Also known as "Voting Precincts" or "Wards"
- Boundaries for VTD determined by county officials
- Frequently changing boundaries
- Requested updated VTD information from all 93 counties 7-2008



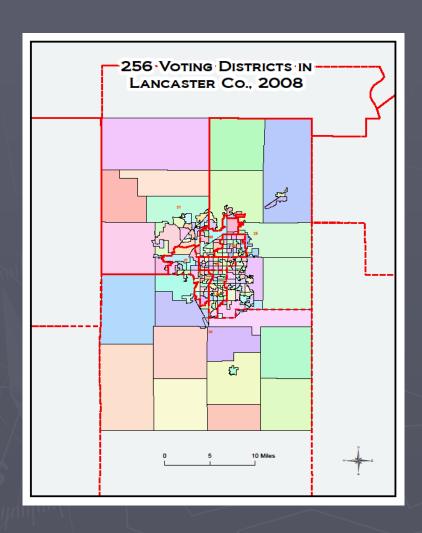


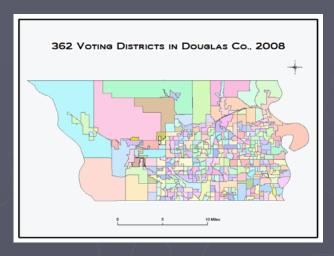
#### Phase 2 - VTD

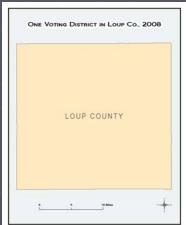
#### 1,888 Voting Districts in Nebraska in 2000



### **Phase 2 – Voting Tabulation Districts**





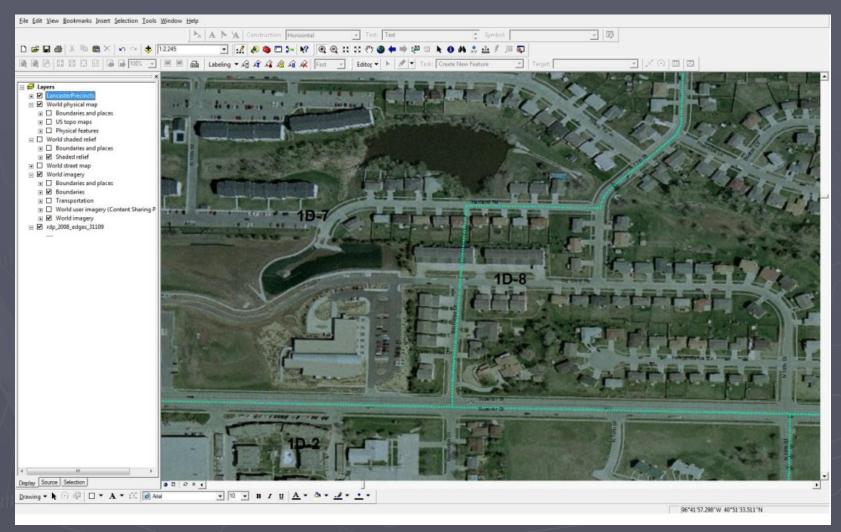


### Phase 2 – VTD

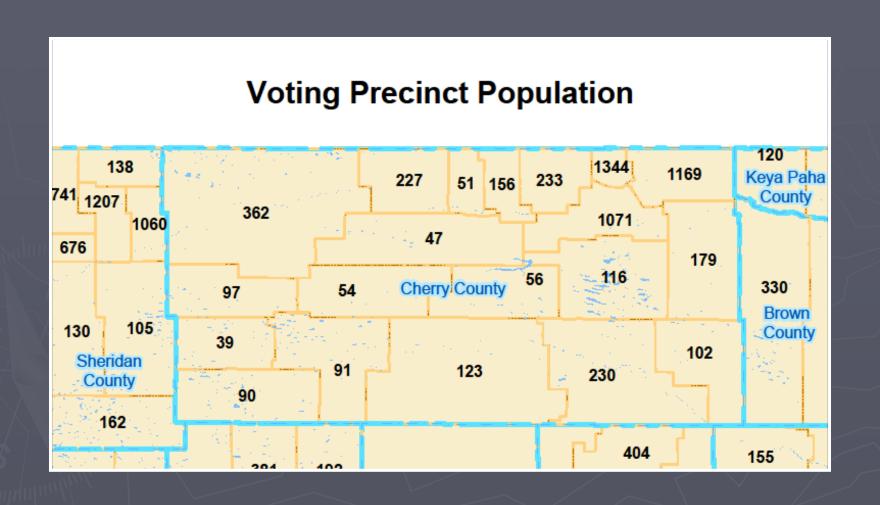


Jack Dohrman, Legislative Research Office

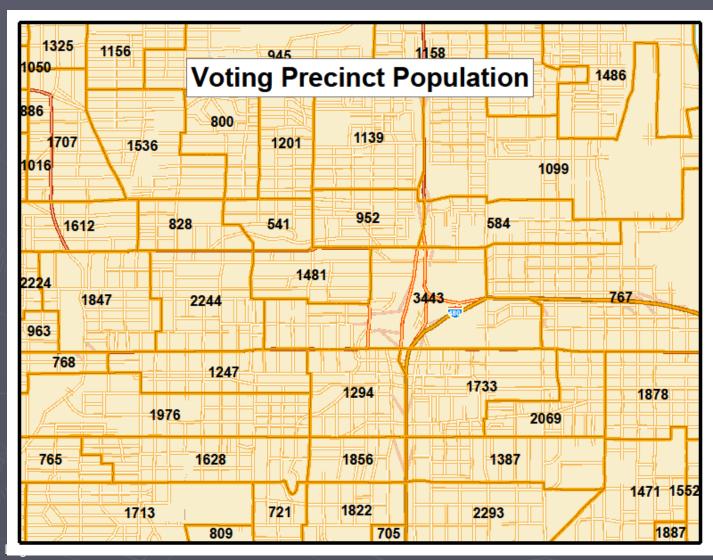
#### Phase 2 – VTD



# Phase 2 – VTD North Central Nebraska



# Phase 2 – VTD Omaha Precincts



### **Redistricting - Data**

#### **Demographics**

- Total population reported by 63 potential race categories and Hispanic origin
- Voting age population reported by 63 potential race categories and Hispanic origin
- All data reported at the state, county, municipality, VTD (precinct), tract, block group, and block level



### Nebraska Population Trends

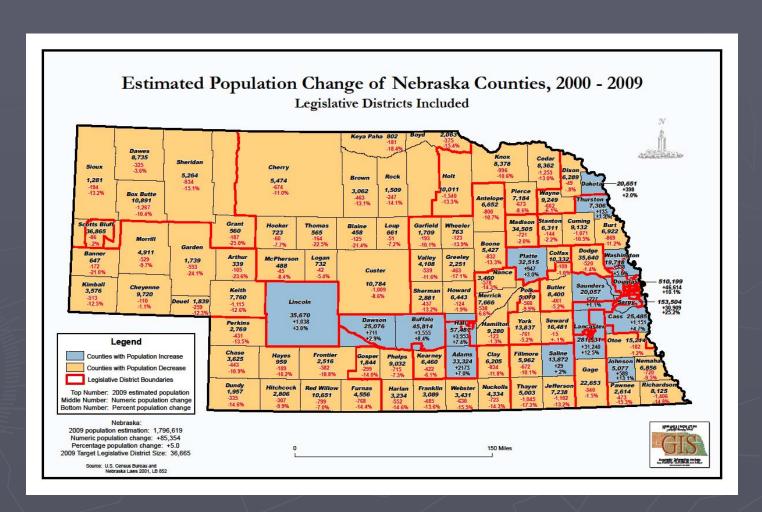
#### 2000 to 2009

- Population increased by 85,354 people (about 5% increase)
- Only 16 of 93 counties increased population
- Douglas, Lancaster, and Sarpy accounted for 52.6 percent of Nebraska's population in 2009

### Nebraska Population Trends

## Using 2009 population estimates...

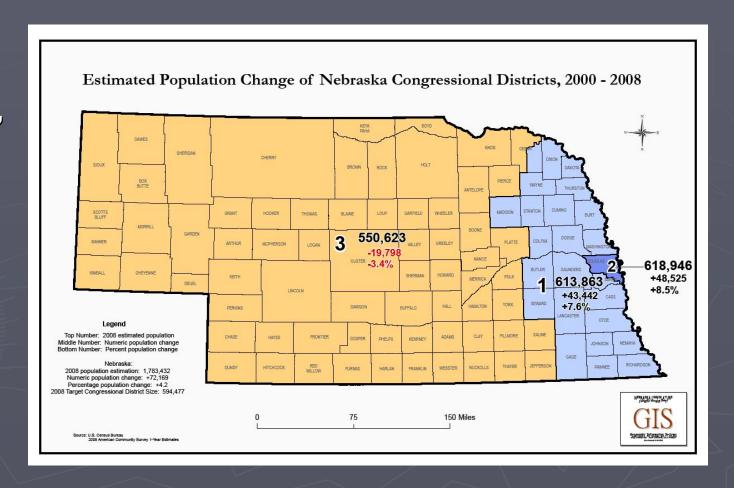
- 1,796,619
  people
  divided by
  49
  Legislative
  Districts =
  36,665
  (target
  district
  size), up
  from 34,924
  in 2000
  - 4.99%increase –within the5% +/-deviationgoal



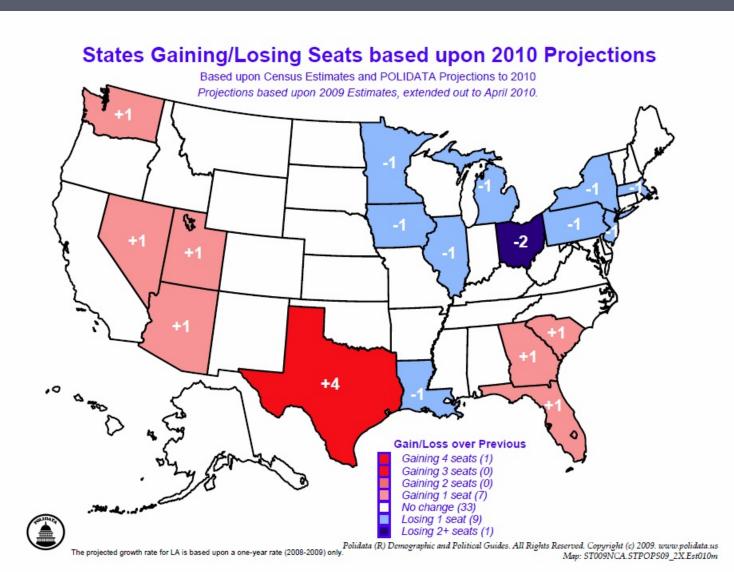
### **Congressional Districts**

598,873
target
district size,
up from
570,422 in
2000

0% deviation goal



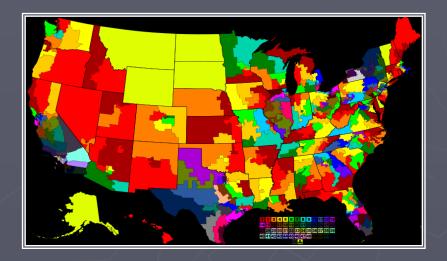
#### Reapportionment



### Redistricting

### Traditional Redistricting Principles

- Deviations
  - \* 10% State Legislative Districts
  - O for Congressional Districts
- Compact and Contiguous Territory
- Preserve Political Subdivisions
- Preserve Communities of Interest
- Protect Incumbents
  - Preserve Cores of Prior Districts
  - Avoid Contests Between Incumbents
- Must not be a "racial gerrymander"





### Gerrymandering



#### There is no place like Nebraska...

#### **Voting Rights Act**

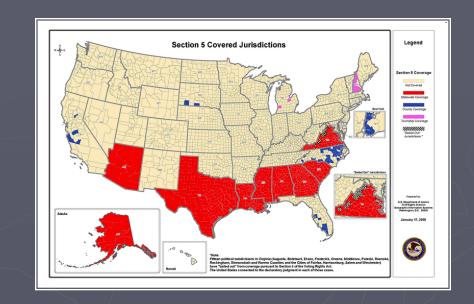
- Section 5
  - Pre-clearance for certain jurisdictions
- Section 2
  - Minority Majority Districts

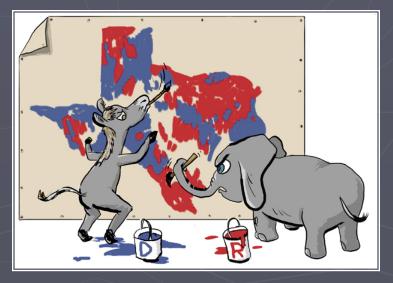
#### **Odd year elections**

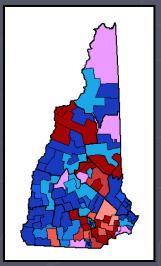
 LA, MS, NJ and VA have only a few months to draw plans

#### **Political Data**

Not used in Nebraska







Jack Dohrman, Legislative Research Office

#### **Evolving Redistricting Technology**

#### 1980 and before (Pre-Redistricting GIS)

- Mainframe and paper maps
- Limited number of plans created

#### 1990

- PC's first used
- First TIGER files used
- First time there was block level data for entire nation
- Early redistricting GIS systems used

## ed

#### 2000

- Redistricting-specific GIS
- Bigger, faster and cheaper
  - Led to the ability of 1000's plans to be created



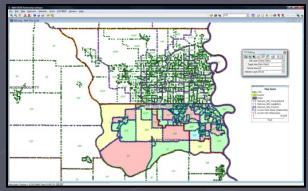


#### Redistricting – Technology Today

#### Software

- ESRI's ArcINFO 10 for everyday GIS tasks
- MTPS (MAF/TIGER Partnership Software) Census Bureau redistricting program specific software
- Redistricting Software: AutoBound or Maptitude



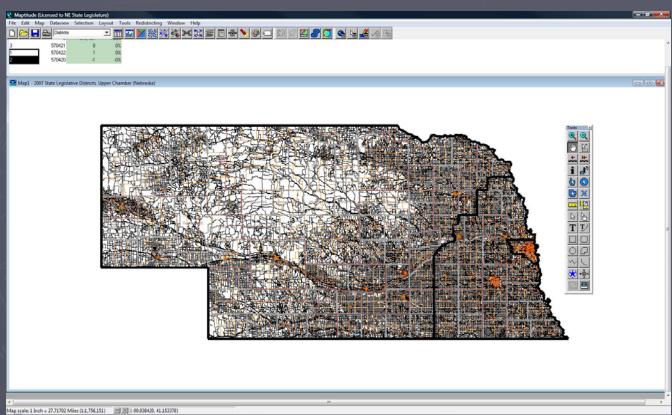




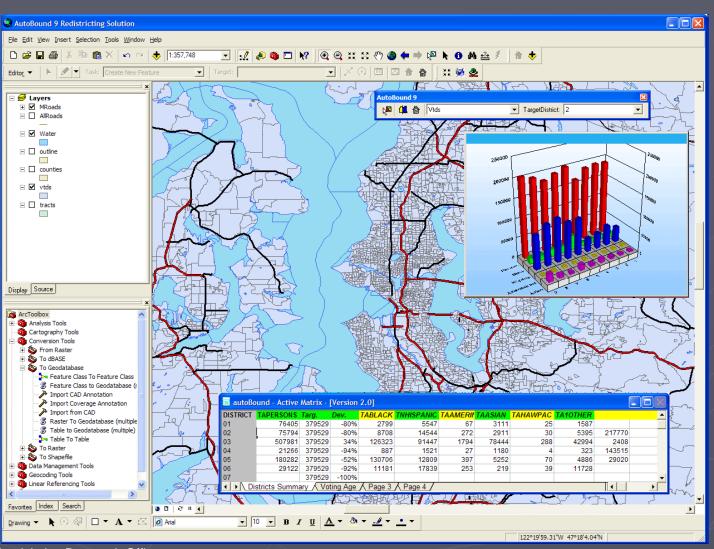


### **Redistricting - Software**

- Two major redistricting-specific software companies
  - Data returned from 2010 Census count will plugged into this software and used for drawing new boundaries



### **Redistricting - Software**





#### Websites

http://www.census.gov/rdo/

http://www.redistrictingthenation.com/

http://www.ncsl.org/

http://www.redistrictinggame.org/

http://nebraskalegislature.gov/about/maps.php

http://www.census.gov/popest/gallery/maps/maps.html#counties