

autoBound 4
for 2000

Redistricting



autoBound 4 Redistricting and Reapportionment system
the leading redistricting technology used throughout the United States

A SOLID PLATFORM

autoBound is built on the ArcView Desktop GIS. With over 500,000 users world wide, ArcView is the undisputed leader in mapping technology. It is important to note that in every state in the US, the largest users of GIS and mapping technology, use ArcView and other ESRI based software.

COMPLETE SOLUTION

autoBound provides a complete solution covering every aspect of redistricting from Census data import to disaggregation and import of political data to multiple redistricting tools to reporting, mapping and final compactness analysis. With autoBound you are not dependent on the data delivery schedule of your vendor. You have all the tools needed to complete the process in house.

OPEN SYSTEM

Unlike other commercial redistricting software packages, autoBound is based on Open Database standards. autoBound databases can be directly opened by other desktop applications such as MS Excel, Word and Access enabling unparalleled analytical capability. The open environment also extends to providing user access to source code for both the ArcView interface and the autoBound software.

BROAD BASE OF SUPPORT

There are over 850 authorized ESRI partners nationwide. This means in every state in the US, autoBound users have access to immediate local support. No other redistricting software vendor comes close to such broad base of support.

HIGHLY EXTENSIBLE AND CUSTOMIZABLE

Every aspect of autoBound can be customized to the user's requirements. From icons to menu items, users can add, remove and rename tools as necessary. Additionally, Users can take advantage of hundreds of existing commercial and freeware tools available for use with ArcView and autoBound.

autoBound 4

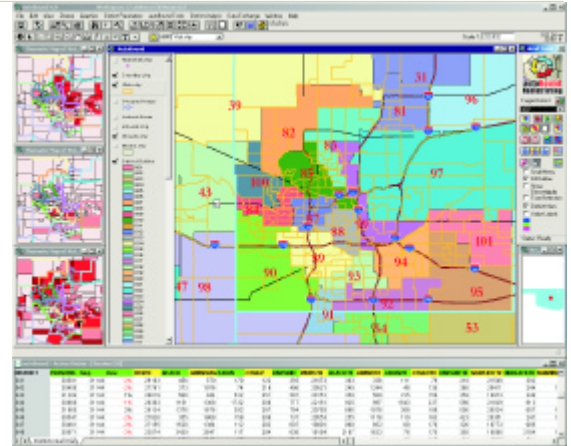
For over six years, Digital Engineering Corporation, (DEC) has been providing software tools which set the standards in redistricting software. AutoBound 4 is DEC's latest release of its comprehensive redistricting solution and is simply the easiest and most efficient tool for creating legislative and political boundaries. AutoBound is based on the ArcView desktop GIS, the most popular GIS product world-wide from ESRI, the leading provider of GIS technology.

AutoBound is a complete network ready redistricting solution covering every aspect of redistricting from the initial data import to final plan analysis using one of 12 Compactness and Complexity Analysis tools.

Features and Specification:

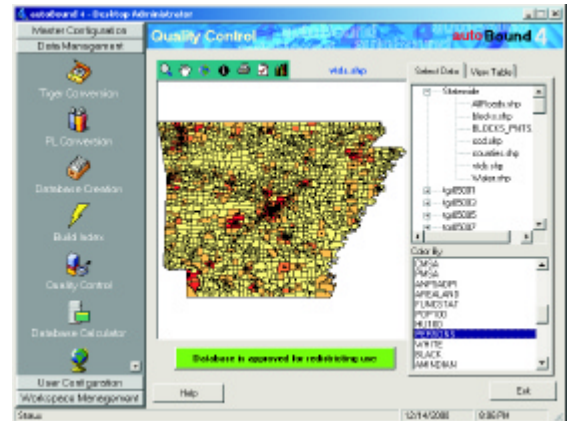
REDISTRICTING FEATURES

- ▶ Multiple District Editing Tools. There are several tools including select by pointing, drawing a box or lassoing an area
- ▶ Smart Select. Automatically identifies features for adding to district
- ▶ Built in Excel compatible spread sheet allows dynamic analysis of data
- ▶ Unlimited undos allows you to go back to any point in the Plan's history
- ▶ Multiple Plan views provides thematic displays of demographic data
- ▶ Index map allows quick zoom to different parts of the state or county
- ▶ Locking tool enable the locking of a district once it has been balanced
- ▶ Grouping tool allows the protection of communities of interest
- ▶ Built in report creates professional output for printing or exporting
- ▶ Error finder locates and suggest corrections for unassigned and discontinuous features
- ▶ Metes and bounds tool provide a report of the district outline segments
- ▶ Compactness and Complexity tool provide 12 measurements and the base geometry for Convex Hull, Inscribe Circle and Circumscribe circle



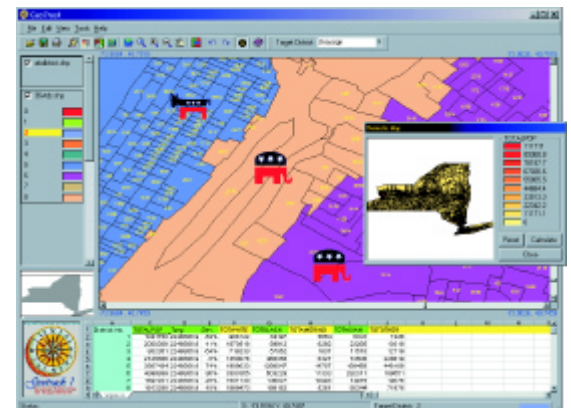
REDISTRICTING ADMINISTRATION AND DATA DEVELOPMENT

- ▶ Control which Tiger layers will be used during the redistricting process
- ▶ Setup central locations where common files such as legends are stored
- ▶ Customize and import Tiger data for 97, 98, 99 and 2000 formats
- ▶ Customize and import PL94-171 data for 90 and 2000 formats
- ▶ Merge the PL and Tiger data and report match rates
- ▶ Create statewide and county level files
- ▶ Project the database to any of over 100 geographic projections
- ▶ On a networked environment, control who can have access to the system
- ▶ Import Political data for any Tiger data level
- ▶ Disaggregate and aggregate political data to all levels of geography
- ▶ Create and manipulate data fields for the entire database
- ▶ Perform Quality Control on the redistricting databases
- ▶ Manage a backup system for the entire system
- ▶ Create and manage incumbent location files
- ▶ Create and manage plan templates



MAPTICIAN - REDISTRICTING FREWARE FOR AUTOBOUND

- ▶ Freely distributable viewing and editing tool for use with autoBound
- ▶ Enables management and public participation without additional costs
- ▶ Very easy to use with a quick learning curve
- ▶ Provides basic mapping and reporting capabilities
- ▶ Directly reads and writes to autoBound workspaces without the need for translation of plans
- ▶ Includes an Excel compatible built in spreadsheet for performing dynamic statistical analysis
- ▶ Provides basic labeling and thematic display options
- ▶ Unlimited undos allows rollback of plan back to any point



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