

# Infoshape System



The **InfoShape System** manages land ownership data from spreadsheets and databases to produce map-ready shape files. InfoShape allows for mapping of information not typically mapped, i.e., units, how the lease is held, operating rights, record title federal units, and any other user-defined data. The user can specify and save templates and layers by defining what is mapped during processing by InfoShape. You can create and map your own spreadsheets or databases including internal land records, fee, federal, and state data.

## Key Features:

- Create ESRI Shape, MapInfo, IHS Petra and Landmark Geographix Files.
- Session Workspace Orientation - You set up a project once, all parameters are remembered and ready-to-go next time you need to process.
- Database-Oriented Design - multiple Land Grid and Spatial Polygon Databases are available for each project. This allows for a modular processing of area maps.
- Imports Spreadsheets and Databases.
- Process Map Descriptions to either aggregate to Largest Aliquot or split to Quarter-Quarter Aliquots.
- Identifies Lots, Tracts, and Aliquots for appropriate processing.
- Use BLM Township-Range Notation or typical Industry Township-Range Notation.
- Allows for Combined use of automatically created polygons or polygons from Spatial Polygon Database.
- Multiple shape files may be output using Query Language in Session Workspace.
- For more complex Spatial analysis of land ownership conditions, Infoshape supplies unique location based IDs for all polygons.
- Command-Line Execution is included to allow for processing of client scripts, including ESRI Script and Model implementation.
- Land Grid Loader Tool is included for loading standard grid formats for use by Infoshape.
- Design your own attributes and save them as templates for mapping diverse data formats.
- **NEW - Automated analysis of import data and automatic input. Import has never been easier. From spreadsheet to shape files instantly.**
- **NEW - ESRI Geoprocessing Steps built-in to reduce post processing inconvenience.**

**InfoShape** creates land polygons from Aliquots (*quarter-quarter or finer descriptions*) and land grid data. You can create your own Spatial Polygons Database (*polygons are created once and re-used*) allowing for accessing metes-and-bounds polygons, digitized polygons, irregularly shaped polygons, or vendor-supplied polygons. Using the Spatial Polygons Database allows for efficient processing of Texas, Eastern US, and the Lots/Tracts of Western US Surveys.

The **InfoShape Tool** was designed, built, and tested with the guidance of Explorationists, Engineers, and Landmen. Viewing of land ownership data in multiple systems (*ESRI ArcGIS, MapInfo, Geographix, and IHS Petra*) is important because many departments need the ownership information viewed along with their production and exploration data. InfoShape clients can map data from various sources, i.e. fee (broker spreadsheets) lease data, lease records systems data, State data and Federal ownership data (*such as Infopipe's BLM and Lot/Tract data*). For more information a white paper is available on our website.

Web Demonstrations of Infoshape are available on request.

System Requirements: Windows Operating System, Microsoft Access 2000-2010, ESRI ArcGIS ArcView.



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