



## Overview of the TractAccess Map Component

The data modules listed above contain linkages to graphic features maintained in Autodesk Map™ Version 2000i and greater. The **TractAccess Map** menu system allows the Autodesk Map™ user to:

- select a project area or database,
- maintain topologies on tracts, leases, mapsheets, coal seam data, and timber.
- query topologies for tract lines, ownership, control, seam reserves, leases, mining permits, seam characteristics, timber stands, quad map information, coal reserve overlays,
- query and plot 3D points of coreholes, seam/quality data, and oil & gas wells directly from the database,
- query and plot geologic columns of corehole lithology directly from the database,
- label the queried map results with linked database information,
- build tiled base maps for tracts, seams, wells, and quad maps,
- perform simultaneous overlays of multiple topologies including tracts, leases, mapsheets, coal seams, permits, contracts, reliability, sulfur, and total coal and total seam thickness isopachs,
- export mapping to DWF file format for use with a web browser and DWF viewer with hypertext links to static html documents generated from the database component, and
- export mapping to SDF file format for direct import into Autodesk MapGuide™, an intranet GIS program with web browser user interface and dynamic ASP reporting from project databases.

Coal seam/quality 3D data points are fully compatible with other 3<sup>rd</sup> party engineering applications that process DWG or DXF file formats, such as DTM contouring programs that must be used to generate the isopach models of seam thickness or quality.

Several utilities are included in TractAccess Map for plotting Kentucky Carter Grid lines, plotting over 50,000 quad map borders in any geodetic coordinate system, and for performing geodetic coordinate conversion calculations from various source systems into various destination systems pre-defined in Autodesk Map™.