

## Encom™ Discover™ v12.0

Pitney Bowes Business Insight's latest release of Encom Discover showcases the ongoing innovative developments that have made Discover the 'must-have' GIS application for geoscientists worldwide. Additions include major enhancements in our massive grid technology, a new drillhole cross-section generation tool and easy section regeneration, automatic batch printing from a map series, as well as numerous other improvements.

Features available in this release of Encom Discover are:

### General Improvements

- Support for MapInfo Professional 10.5
- Free Discover 3D viewer included
- Simplified installation - Discover and Discover 3D are now bundled in the same installer
- Import support added for typical ALG formats as rasters (such as ECWs, BILs and ERMapper grids)
- Acquire API support updated to 4.2.1.1.

### DISCOVER 3D VIEWER

Discover 12.0 users can now open and visualise (but not modify) existing Discover 3D sessions with the free installed 3D viewer. This means that power 3D users can share their 3D environments and interpretations with all Discover users in the team.

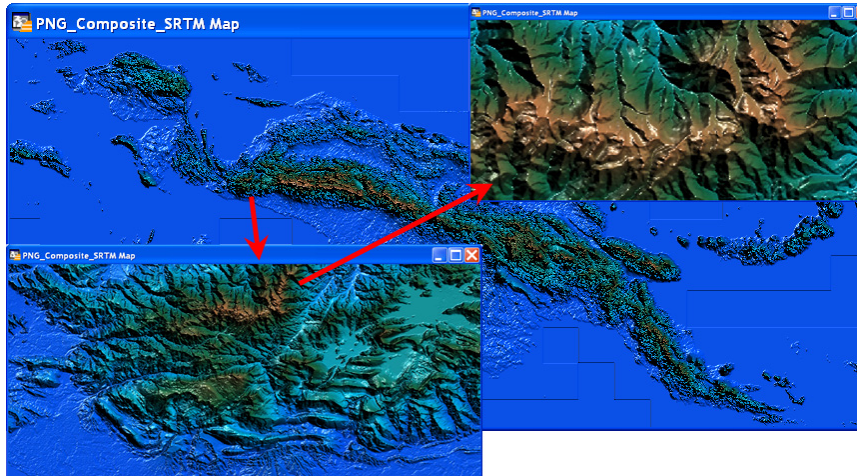
### Surfaces

- Added import support for Arc binary FLT and DTED grid formats
- All surfaces tools can now be configured to output the same default grid format
- Many tools can now output grids in the Arc binary FLT format.

### DRAW GRID PROFILE

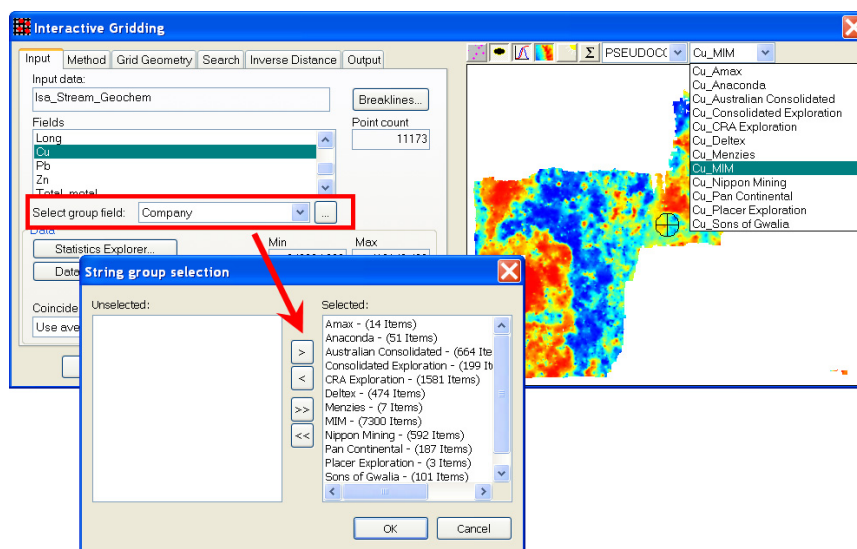
- Incorporates line of sight visualisation from the profile start point
- The user can extract attributes from intersecting layers

## ENHANCED MASSIVE GRID INTERPOLATION AND PROCESSING



- Our massive gridding tool now provides algorithms for Inverse Distance Weighting, Density, Distance and Minimum Curvature, including extensive customisable options for each method
- Large grid interpolation now takes advantage of parallel processing technology
- Added MrSID file support to large grid interpolation
- The Grid Filter tool now supports massive grids (convolution and FFT filtering modes)
- Significant efficiency improvements in the Grid Calculator's handling of massive grids.

## SURFACE GRIDDING IMPROVEMENTS



- Multiple grids can be created in the same session using a grouping field, such as multiple Cu soil geochemistry interpolations separated by company or mesh size
- Breaklines can be specified by multiple 3D DXF, ESRI Shape files or MI Pro TAB files

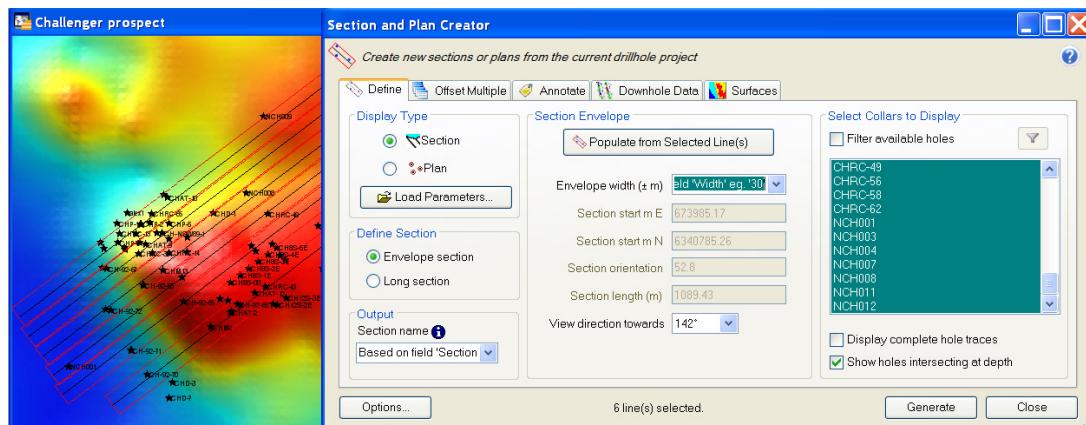
- New sample count output option for the Density method
- Data conditioning can be applied globally to multiple fields
- New output grid formats - Arc ASCII, Vertical Mapper, MIG & BIL.

## GRID UTILITIES

- Greatly improved performance of Overlay tool
- Overlay tool can stamp regions of a grid with null values, or stamp a grid with an overlying grid's values
- Convert tool can set the output data type, such as unsigned integer or double precision floating point

## Drillholes

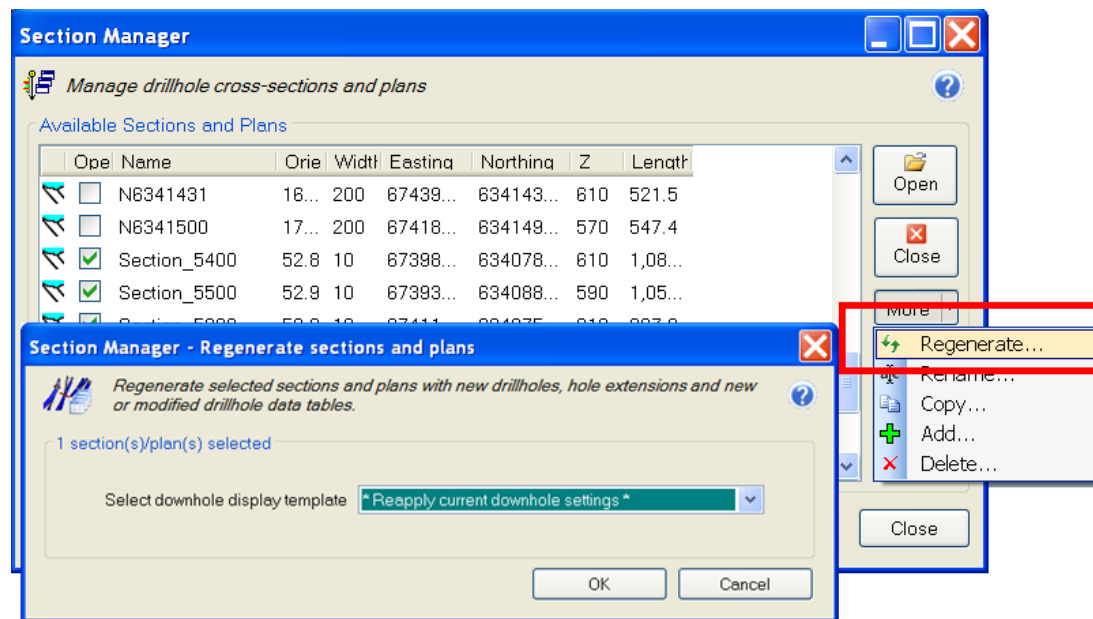
### DEFINE NEW SECTION OR PLAN



A brand new dialog makes section and plan definition a breeze! Dynamically visualise and interactively refine section envelopes and centerlines, with an instantaneous listing of the contained holes. New functionality includes:

- New labelling controls and options
- Auto-naming of sections from a specified field in a section line table
- Auto-setting of envelope widths from a specified field in a section line table
- Support for variable envelope widths (via a specified field)
- Removed the limit on the number of sections that can be batch generated
- Removed the limitation on plan sizes.

## NEW REGENERATE SECTION OPTION



Sections and plans can be automatically regenerated, incorporating any new drillholes/extensions not present when the section was originally created, as well as reapplying the downhole display settings.

Additionally, a new Copy Section option is excellent for creating multiple views of the same section (e.g. create geophysical and geological-focused versions of the same section).

### GENERAL

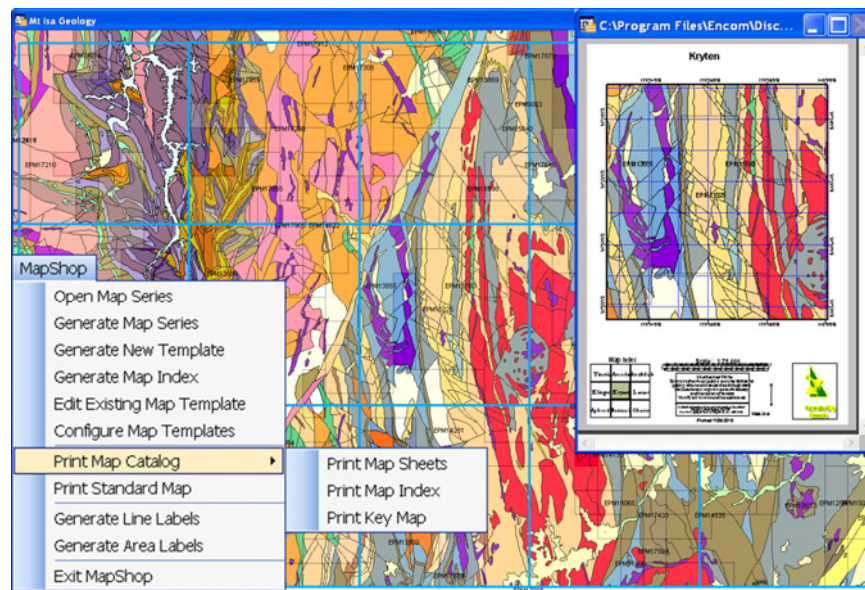
Drillhole projects can be exported as 3D DXF traces for visualisation in other 3D applications.

A new Section Legend tool allows the creation of per section and plan annotation legends.

### Raster Imagery

- Image reprojection now supports batch processing
- Image processing (convert, enhance, filter, etc) now supports batch processing.

## New Map Series Production Tool



Our new MapShop module automates the generation and printing of multiple map sheets covering a region. Simply select a layout template and a map series (comprising polygons outlining each required map boundary), and MapShop will do the rest, automatically batch creating and printing professional maps for each polygon boundary.

## GraphMap

- Added direct batch printing support to all graphs
- Date/time axis grouping extended to most graph types
- Significant performance improvements on large tables
- Advanced temporal data handling, such as ranged fields and date breaking.

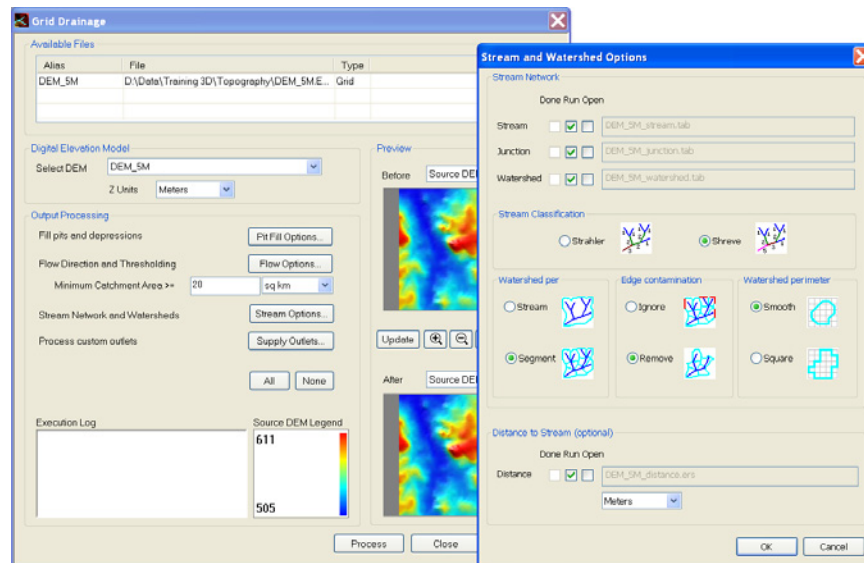
## TRANSFORM VECTOR FILE

- Support added for the MrSID MG4 format
- New option to convert closed polylines to polygons
- Default output is now MapInfo Professional TAB file
- Surpac strings files can now be batch imported and exported.

## MAKE MOVIE OR ANIMATION

- Create movies iterating through values in a specified field. This is a powerful way of investigating temporal (time) relationships, for instance by using year and month values in a date field to observe exploration lease acquisition patterns over a date range.
- Create movies iterating through multiple tables. For instance, assessing prospect-scale dewatering by sequentially viewing multiple time-specific watertable surfaces.

## Hydrology



- Improved workflow-friendly interface
- Existing stream vectors can be ‘burnt’ into a DEM prior to processing to help enforce flow paths
- Support added for custom outlet attributes
- Edge contamination removal options added
- New D-Infinity method option for flow direction and slope.

For more information,

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