

WISE

Release

WISE Release 2.0.1
September 30, 2003

WISE Users,

The new version of WISE adds some powerful features to the functionality of WISE, particularly the Terrain module. We think you'll be pleased with the results. And, we're proud to announce that the WISE family of products has a new member – the WISE Terrain Analyst. This new product makes all the functions of the Terrain module, as well as simple basin delineation and profile drawing, available as an extension to ArcGIS. For more information on WISE Terrain Analyst, see www.watershedconcepts.com

WISE Version 2.0.1 makes some significant changes to the way projects are set up in the Terrain module. These changes will allow Terrain module users to create different versions of the digital terrain model for use in WISE projects. To select a TIN and DEM for use in other modules, you'll select a specific version of a Terrain Project. But be careful – if you select a different version in the middle of a project, only new data will be based on the new version of the Terrain Project. Old data such as nodes and pipes or hydraulic cross sections will still be based on the original TIN and DEM models. See the online Help or any tutorial for more information on how to set up and use the new Terrain functions.

To accommodate projects created in WISE 1.9 and previous versions, we've built-in automatic conversion that starts as soon as you select a project. You'll be asked if you want to convert the project and then a backup copy of the project will be created in the project folder (by default). The converted project will open in the plan view.

After the conversion, you should re-create the photo and Approximate Structures shapefiles and all shapefiles for Closed Inventory or Open Inventory projects. WISE 2.0 uses a new format for some shapefiles, so you'll need to re-create these shapefiles in order to add or edit any data or if photos are associated with structures.

1. Open the project in WISE 2.0.1. When the Project Conversion prompt is shown, click Yes to convert the project. Note that conversion was successful.
2. To re-create shapefiles, click File and then click Project Options. Click the tab for the Closed Inventory or Open Inventory or Hydraulics module.
3. In Closed Inventory or Open Inventory, click the Setup Shapefiles button and click Yes. Replace all existing shapefiles.
4. In Hydraulics, click the open folder beside the Approximate Structure shapefile. Select the shapefile and click Yes.

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General

- The symbol properties form has been enhanced in several ways.
 - You can select one of two label rendering styles combined with one of four symbol rendering styles. (In other words, for a topo theme you can show elevations by both color coding and labels.)
 - You can use up to 255 classes for rendering symbol properties.
- You can now right-click on the plan view and select zoom tools. A new re-center tool has been added that centers the plan view on the point clicked.
- A General Profile tool that draws a profile based on a Terrain Project is available in all modules.

Terrain Module

- The Terrain module has been upgraded to allow versioning and multiple sample sets as part of a Terrain Project.
- Basins now are tied to the terrain versioning system.
- A TIN seam checking utility has been added to check for consistency across the boundaries of major index cells.

Hydrology Module

- New regression equations have been added:
 - Texas regression equations
 - rural drainage area only for the coastal plain of Virginia

Hydraulics Module

- The Move button that is used for moving photos and nodes can also move Approximate Structures. A new button allows the user to move just one point on an Approximate Structure to move the structure. The structure can also be "snapped" to a streamline, if there is one close enough.
- The Export Labels function under Profile will now assign FIS letters to cross section shapefiles.

Closed Inventory Module

- This module has been completely reworked internally. The user interface is still very similar to 1.9, but the performance and database size have been significantly enhanced. The 2.0.1 release will contain all the basic inventory tools, with the remainder due to be available in 2.0.2.