



WISE Release 2.0.9
April 14, 2005

WISE Users,

WISE Version 2.0.9 is the newest release of WISE to be distributed to users and installed on Citrix. WISE 2.0.9 presents a variety of tools to assist you in preparing a FEMA submittal as well as enhancements to the modules used to develop submittals. These release notes describe new features and fixes in WISE since WISE 2.0.8 and information on upgrading existing WISE projects.

Upgrading to WISE 2.0.9

If you are using a stand-alone installation of WISE, you should uninstall the previous version and then install WISE 2.0.9. WISE now uses a new wizard that will not only reduce file size for service pack downloads from www.watershedconcepts.com but also boasts a new, easy-to-use installation dialog.

With WISE 2.0.9, registration files upgrade automatically to show new menu items upon installation. WISE users will only need to generate a new registration file if their registration has expired or if they've purchased new modules.

Refer to www.watershedconcepts.com/software/documentation_general.html for instructions on installing, registering and configuring WISE.

If you are using WISE through Citrix, you can log in as usual.

Converting Projects from Previous Versions

The automatic conversion starts as soon as you open a project built with previous versions. If you're converting a project from 2.0.x, you'll be presented with the option to create a backup copy of the project. If you're converting a project from 1.9.x, then a backup copy of the project will automatically 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, historical interview and Approximate Structures shapefiles and all shapefiles for Closed Inventory or Open Inventory projects. It is no longer necessary to re-create shapefiles for Scoping.

1. Open the project in WISE 2.0.7. When the Project Conversion prompt is shown, click Yes to convert the project. Note that conversion was successful.

2. If you are working with a Closed Inventory, Open Inventory, or Hydraulics project, go to Project Options.
3. To re-create Closed Inventory or Open Inventory shapefiles, 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.

New Features by Module

A summary of new features by individual module follows these general notes.

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*Release notes for all versions of WISE are available through our web site at
www.watershedconcepts.com*

New Features in WISE

Documentation Updates

Download documentation from

www.watershedconcepts.com/software/documentation_general.html

- A new Scoping Tutorial is available on the web site.
- HydraMAX has been added to the online Help and Using Hydraulics Module.
- Online Help has been expanded for most of the new features described in these release notes. Expanded User Guides will be made available on the web page in the near future.

New Tools to Assist with FEMA Submittals

- 4273 – WISE has been enhanced to include a Metadata tool. The tool allows users to add FGDC-format Metadata to a WISE project and/or any project associated shapefiles. Users can access the Metadata tool using either the Metadata Browser form or, for shapefiles, directly from the Plan view's legend.
- 4290 – A utility to set shapefile projection has been added to the general WISE toolbar. The tool will set the projection of any shapefile that has not already been set.
- 4276 – The Terrain module has been enhanced to include a DCS Validate tool. The DCS validation tool validates DCS Terrain submittals against the DCS specifications and performs miscellaneous QA/QC on data quality. It generates a detailed XML error report of a DCS submittal both before submitting a project to FEMA. All DCS data imported into WISE must conform to DCS specifications.
- 4277 – The Open Inventory module has been enhanced to include a DCS Export and Validate tool. The DCS Export tool exports Open Inventory (Survey) data from WISE to DCS Appendix N format. For survey, sketch and photo files, WISE will copy and rename the files according to DCS naming conventions. The DCS validation tool validates DCS submittals against the DCS Guidelines and Standards for submittals and performs miscellaneous QA/QC on data quality.
- 4275 – The Hydrology module has been enhanced to include a DCS Export, Import, and Validate tool. The DCS Export tool exports Hydrology data from WISE to FEMA DCS Appendix N format. The Import tool imports DCS format files into WISE and is limited to key required shapefiles of WISE, including basins and streams. The DCS validation tool validates DCS submittals against the DCS Guidelines and Standards for submittals and performs miscellaneous QA/QC on data quality and generates a detailed XML error report of a DCS submittal before submitting a project to FEMA. DCS data imported into WISE must conform to DCS specifications.

- 4274 - The Hydraulics module has been enhanced to include a DCS Export, Import and Validate tool. The DCS Export tool exports Hydraulics data from WISE to FEMA DCS Appendix N format. The Import tool imports DCS format files into WISE. The DCS validation tool validates DCS Hydraulics submittals against the DCS specifications and performs miscellaneous QA/QC on data quality. It generates a detailed XML error report of a DCS submittal before submitting a project to FEMA. All DCS data imported into WISE must conform to DCS specifications.
- 4296 - A utility has been added to compare modeled versus final streams. This utility promotes data integrity by determining if an engineer's source data matches with the final GIS product.
- 4297 - A utility has been added to compare modeled versus final cross sections. This utility will promote data integrity by determining if an engineer's source data matches with the final GIS product.
- 4298 - A utility has been added to compare flood hazard layer to terrain. This new tool finds significant differences in elevation between the final flood boundary and the terrain. It also checks all points along the flood boundary according to user defined error tolerances.

General Functionality

- 3207 – The Edit Attribute Tool has been enhanced to allow editing of date fields.
- 4054 - A check has been added to the Export WSE file to Access MDB functionality to alert the user if MS Access is installed.
- 3997 – An issue arising from adding image files with a file path greater than 123 characters has been corrected. Images with a file path up to 255 characters can now be loaded into WISE.

Scoping

- 4086 – The unpackage routine for extracting scoping files from a scoping package (.ncz file) has been enhanced to create a directory structure that reflects the recommended FEMA directory structure.
- 3040 – The Scoping module has been enhanced to automatically recreate Created Shapefiles when a scoping project is upgraded from an old WISE version to a new WISE version. Users no longer need to go to Study Settings and manually recreate their shapefiles every time their project is upgraded.
- 4332 – The meeting dialog has been enhanced to allow the reference of an electronic copy of meeting minutes. The referenced file can be packaged with the Upload from Satellite or Download to New Satellite tools.
- 3041 – The Scoping module has been enhanced to alert the user if the project and/or the created shapefile that they are using are not updatable. This will help alert users if they do not have the correct permissions or if their files are locked because more than one person is accessing the file at one time.
- 3233 – The Ordinance Checklist report has been updated to include Ordinance Contact Info and text for Changes to Mapped Areas.

- 3361 – The Initial Community Contact report has been enhanced to include the POC Physical and Mailing Address.
- 4034 – The Reach Report has been optimized to run substantially faster.
- 1920 – The GIS Data Availability dialog has been enhanced to provide functionality to allow input of the datatype for GIS Inventory.
- 2623 – The GIS Data Availability dialog, Data Layers/Themes tab has been enhanced to provide a way to edit multiple GIS data available dropdowns at the same time thus reducing data entry time.
- 4146 – The created shapefiles for hydro reaches have been enhanced to include the flooding source name attribute.
- 4331 - The domain table for communities has been updated to include the latest list of NFIP participating communities.
- 3065 – Corrections have been made to the Detailed Reach Report to ensure that New Limited Detailed Mapping options, and Community Recommendations text is displayed correctly.

Terrain

- 2207 - The Terrain Data Viewer form has been enhanced to include a message to alert a user loading a large area that it may take a while. A Cancel and a Refresh button have also been added to allow the user to manually cancel the process and refresh the Plan view.

Hydrology

- 4275 – The Hydrology module has been enhanced to include a DCS Export, Import, and Validate tool. The DCS Export tool exports Hydrology data from WISE to FEMA DCS Appendix N format. The Import tool imports DCS format files into WISE and is limited to key required shapefiles of WISE, including basins and streams. The DCS validation tool validates DCS submittals against the DCS Guidelines and Standards for submittals and performs miscellaneous QA/QC on data quality and generates a detailed XML error report of a DCS submittal before submitting a project to FEMA. DCS data imported into WISE must conform to DCS specifications.
- 4285 – Regression modeling equations used by WISE Hydrology are now stored in a database and edits have been made to allow users to check if the parameter limits are out of range. Regression help and calculator tools are accessible from the main toolbars.

Hydraulics

- 4289 – The BFE mapping tool has been upgraded to save to a shapefile instead of DXF format. Extra fields have also been added for DCS compatibility.
- 3978 - The BFE mapping tool for redelineations has been temporarily disabled in WISE 2.0.9 for modifications to ensure more consistent results.
- 3535 – The map profiles dialog has been redesigned to include network mapping capability for flood boundary mapping. All streams can be mapped at once rather than stream by stream to create one boundary per profile. If a stream is disjoint from other selected streams it will be mapped separately but still included in the same file.

- 3986 – An option to delete flow files in HydraMAX has been added to allow the user to discard unneeded flow file definitions. Flow file definitions are referred to only by plans so any plans that refer to a flow file must be deleted or have the flow file reference changed in order to be able to kill a flow file.
- 4274 - The Hydraulics module has been enhanced to include a DCS Export, Import and Validate tool. The DCS Export tool exports Hydraulics data from WISE to FEMA DCS Appendix N format. The Import tool imports DCS format files into WISE. The DCS validation tool validates DCS Hydraulics submittals against the DCS specifications and performs miscellaneous QA/QC on data quality. It generates a detailed XML error report of a DCS submittal before submitting a project to FEMA. All DCS data imported into WISE must conform to DCS specifications.
- 4287 – The Hydraulics module has been enhanced to create floodway data tables in MS Word format from properly formatted RAS output files.
- 4284 – Regression modeling equations used by WISE are now stored in a database and features have been added to allow users to check if the parameter limits are out of range. It is important to note that Hydraulic models can not be built if the basin layer is missing fields required by the regression tool. Regression help and calculator tools are accessible from the main toolbars.
- 4296 - A utility has been added to compare modeled versus final streams. This utility promotes data integrity by determining if an engineer's source data matches with the final GIS product.
- 4297 - A utility has been added to compare modeled versus final cross sections. This utility will promote data integrity by determining if an engineer's source data matches with the final GIS product.
- 4298 - A utility has been added to compare flood hazard layer to terrain. This new tool finds significant differences in elevation between the final flood boundary and the terrain. It also checks all points along the flood boundary according to user defined error tolerances.
- 4294 – A regression help tool with HTTP link to the full USGS reports has been added to the hydraulics module. The utility has print and copy options and will list the required fields and format for the WISE basin shapefile.

Open System Inventory

- 3085 –A new Import Multiple Survey tool allows a surveyor to select multiple survey files for import into WISE. Once selected, the tool automatically imports the structures and cross sections into WISE and then draws them onto the plan view for the surveyor. In addition, if the field photos are named according to DCS standards, WISE will automatically associate them to the correct structures and cross sections and draw them onto the plan view as well.
- 4277 – The Open Inventory module has been enhanced to include a DCS Export and Validate tool. The DCS Export tool exports Open Inventory (Survey) data from WISE to DCS Appendix N format. For survey, sketch and photo files, WISE will copy and rename the files according to DCS naming conventions. The DCS validation tool validates DCS submittals against the DCS Guidelines and Standards for submittals and performs miscellaneous QA/QC on data quality.

- 1230 – The Open Inventory module has been enhanced to allow the addition of more than one sketch for a structure or cross section. The user may also enlarge or resize the sketch image as needed.
- 4333 - Surveyors may now include the survey date in the survey files and WISE will input the survey date during the import of the files. The surveyor may use the single Add Structure or Cross Section tool or the Import Multiple Survey tool for this feature.
- 4334 - The data entry form for structures has been enhanced to allow for the additional fields required by the DCS.
- 4335 - To help surveyors meet the DCS requirements, WISE will now store the filepath of survey files associated with cross sections during import.

Closed Inventory

- 4198 – The full pipe shapefile has been updated to allow viewing in ArcMap.
- 4092 – Issues with the Daily Survey Summary Report that included incorrect reporting on the number of nodes and the way pipe stubs comments were displayed in the report have been corrected.
- 4336 - The data entry form for approximate structures has been enhanced to allow for the additional fields required by Appendix N DCS.
- 4337 - The Merge Charlotte Inventory tool is now available.