Release Notes 2026

MIKE+

Contents:

Introduction

Welcome to MIKE+ 2026.

In this Release Notes, you will find information about new features, improvements and fixes, and what you need to know to install and get started with MIKE+ 2026.

MIKE+ is our new, flexible system for modelling and designing water distribution networks and collection systems for wastewater and storm water, as well as for modelling river networks and 2D surface flooding.

MIKE+ is offered in two versions:

- **MIKE+**
- **MIKE+ ArcGIS**

With MIKE+ you get:

- GIS-based model building and data management
- Powerful hydraulic simulation engine that supports parallel processing
- Integrated water quality, fire flow, real time control, flushing, multi-source tracing and hydraulic simulation (water distribution)
- Integrated water quality, control rules, LID and soakaway, rain dependent inflow and infiltration (collection system and river network)
- Long-term statistics (collection system)
- Integrated 2D hydraulics and water quality, dynamic interactions with collection system and river networks, surface flows visualisation (2D overland)
- Full undo and redo capability in all editors
- Thematic mapping and integrated results visualisation
- Open data models - easy integration with other applications
- Instant data checking and validation

With MIKE+ ArcGIS you get:

- Sophisticated GIS capabilities and smooth integration with ArcGIS Pro. MIKE+ embeds ArcGIS/ArcGIS Pro software for GIS-based model building, data management and result presentation.

System requirements

Supported Operating Systems

The supported operating systems listed below have been tested in accordance with MIKE's Quality Assurance procedures. DHI's warranty, as set out in the General Terms and Conditions (Schedule 1) for MIKE software and Software Maintenance Agreement (Schedule 4), only apply when MIKE software is installed and used on these supported systems:

- Windows: Windows 10 Pro version 22H2, Windows 11 Pro version 24H2 & 23H2, Windows Server 2022 version 21H2
- Linux (engines only, but not all MIKE+ engines): Ubuntu: 20.04 LTS, 22.04 LTS, 24.04 LTS, Red Hat Enterprise 8 and 9.

Any operating system **not listed** is considered **unsupported**. Installing or using MIKE software on an unsupported system is at Licensee's own risk and DHI provides **no warranty**, **no maintenance coverage**, and is **not obligated** to offer support or troubleshooting.

The supported Linux distributions are those that have been tested and verified by DHI for MIKE 2026. Other distributions may, or may not, work and are not recommended. However, past versions of MIKE Software have been successfully installed on other Linux distributions, including CentOS, Ubuntu Kylin, Galaxy Kylin (V10), AlmaLinux and Debian (all 64-bit).

Please note: Even if an operating system is listed as supported, it will be considered **unsupported** if MIKE software is run in a virtualized environment, e.g., a guest operating system or a Docker container.

Minimum hardware/software requirements

Processor	compatible with x64 instruction set architecture, 2.2 GHz or higher *
Memory (RAM)	4 GB or higher **
Storage	64 GB or higher **
Display	resolution 1024 x 720 (Full HD 1920 x 1080 recommended), 24-bit color (true color)
Graphics adapter	64 MB RAM (256 MB RAM or higher recommended), 32-bit true color ***
Software requirements	Microsoft .NET Desktop Runtime 8.0.0 or a later patch release.

* MIKE+ is developed, built, and tested using Intel® technology on Intel® processors.

** The actual required amount of memory and disk space depends on the usage (application, model setup, size of data files etc.)

*** MIKE+ utilizing GPU for 2D overland simulations requires a Nvidia graphics card with compute capability 7.5 or higher. Please note that some of these graphics' cards have varying performance in single compared to double precision calculations. The GPU functionality is based on version 13.0 of the Nvidia® CUDA® Toolkit.

Installation

To install MIKE+:
To install MIKE+, please go to the MIKE+ product folder and execute the setup.exe file from the downloaded, un-zipped installation files. Press the 'Install' button to begin installation.

The setup program will automatically install all necessary files and folders on your computer. Additionally, an entry is created in the Start Menu for MIKE+.

To install MIKE+ ArcGIS:
To install MIKE+, please go to the MIKE+ product folder and execute the setup.exe file either from the downloaded, un-zipped installation files. Press the 'Install' button to begin installation.

The setup program will automatically install all necessary files and folders on your computer. Additionally, an entry is created in the Start Menu for MIKE+.

Please choose ArcGIS Pro's "ArcGISPro.msi" to install ArcGIS Pro separately. This version of MIKE+ comes with ArcGIS Pro 3.5. You find the installation of ArcGIS Pro in the folder "Prerequisites\ArcGIS Pro 3.5". Other versions of ArcGIS Pro might also work with MIKE+ but are not covered by warranty and software maintenance agreement conditions.

Optional installation of PostgreSQL/PostGIS:
Both MIKE+ and MIKE+ ArcGIS are installed with SQLite/SpatiaLite. If you wish to use the alternative database option, PostgreSQL/PostGIS then please install the two products found in the "Prerequisites\PostgreSQL 17.6" and "Prerequisites\PostGIS 3.5.3" folders.

For more information about the installation process, we recommend that you read the MIKE+ installation guide here. A separate installation guide for MIKE+ for Linux is available here.

Licensing

With Release 2026, we are introducing a new licensing system for MIKE software.

For on-line users, the new Internet License Server is more secure and robust, and less dependent on a stable internet connection. This should significantly increase the overall reliability of the Internet License Server.

For off-line users, the main difference is that dongles and license files are replaced by a Network License Server that is locked to specific computer. Just like the old dongles, a Network License Server can distribute licenses across a local network.

The new license system is managed using an application called "DHI License Management 2026". Older versions of the license system (pre-2026) are managed using an application called "DHI License Management".

The pre-2026 license system will be phased out by the end of 2026. We will communicate more details of this phase-out to users of the pre-2026 system in Q2 2026.

In the new system,

- Every company needs an Administrator to manage Entitlements. This person will be created automatically by DHI's Customer Care team.
- The Administrator can add Users in their company's Webportal.
- The Administrator can set up Local License Servers for off-line usage.
- Users can configure their connection to the Internet License Server or a Local License Server from the new desktop DHI License Management 2026.

All the required files will be installed during the MIKE Software installation. The details of the installation, configuration and connection to your License Server are described in the documentation for DHI License Management 2026.

Note: Starting any MIKE Software without a valid license will cause the program to run in demo mode. When running in demo mode, the software has access to all editors, computational engines and editing facilities. The restrictions that apply to saving setups and executing simulations are product specific.

Product invocation

Launch MIKE+ from the Windows Start menu.

Support

For general support, please refer to our Customer Care Portal.

If you experience any difficulties, or if you have questions, please contact our Customer Care team at mike@dhigroup.com.

You can also contact your local Customer Care team for support in your local language. A list can be accessed from here.

Important note about import of MIKE URBAN projects

MIKE URBAN is officially no longer supported or maintained, and compatibility with newer operating systems cannot be guaranteed. Running legacy products in modern environments can be complex, and as a result, we cannot ensure reliable performance on all operating systems. Factors such as your operating system version, hardware configuration, and third-party software, may impact functionalities.

Additionally, ESRI has announced the retirement of ArcMap, which is required for MIKE URBAN installations. See related article here.

As a consequence, MIKE+ 2026 (and its future updates) is the last version supporting the 'Import from MIKE URBAN model' functionality. The next major version of MIKE+ will no longer support importing model setups from MIKE URBAN.

New features and fixed issues

Every new release of MIKE+ consists of new modules, new features and/or corrections to problems or significant inconsistencies discovered in previous releases. Please find below short descriptions of the most significant news.

Release 2026

New features

Module/type	New feature
General	For projects of type 'Rivers, collection system and overland flows', it is now possible to start simulations as a standalone process, independent from the opened MIKE+ window. This is achieved with the new button 'Run detached' in the 'Simulation setup' editor. This typically allows running multiple simulations simultaneously from the same MIKE+ project. It also allows closing MIKE+ while the simulation is running, to release the license seat for MIKE+ which can then be used by another user or computer (note that the option to continue the simulation in the standalone window is still offered when closing MIKE+, in case the simulation has been started with the 'RUN' button). See Figure 1 below.
General	It is now possible to save lists and bookmarks in folders, in the 'Selection manager', 'Bookmark manager', as well as in the bookmark manager of Time Series plots. See Figure 2 below.
General	A new option has been added to the 'Topology repair' tool to repair links geometries so that the ends of the links match the locations of connected nodes on the map. See Figure 3 below.
General	The tool formerly called 'Combine DEM tiles', available in the 'Tools' tab of the ribbon, has been renamed 'Combine and convert rasters' and offers the following improvements: • It is now also accessible in Water Distribution project type • It now supports overlapping tiles • It supports ESRI ASCII grids with cell-center definition.

General	The performance of the 'Field calculator' tool has been significantly improved when updating special fields supporting different units, when working with a distant PostGIS database.
General	A new option to swap data from X and Y axes in scatter plots has been added. It is available from the context menu of the plot. See Figure 4 below.
General	The table at the bottom of the profile plot window can now be removed, when all its items are deselected from the Properties window. See Figure 5 below.
General	The default title of new profile plots now describes the start and end locations of the profile.
General	When exporting the profile plot to a CAD file, the default file name of the output file is automatically named according to the profile plot window's title.
General	Changes to the profile plot's toolbar settings (hiding / showing buttons) are now persistent after saving the project.
General	From the 'Add layer' window used to add a new layer to the map, the default behavior while browsing feature layers is now to show all supported file types (.shp, .xyz, .dwg, .dxf), instead of a single file type.
General	In 'Versions management' tools, the 'Update' tool has been improved so that in case the former model version used a property of the former asset data unchanged, and this property has been updated in the new asset data, this property is no longer always updated in the new model version. A choice is now offered between two possible actions: keep the former property unchanged, or update with the new value from the new asset data. See Figure 6 below.
Collection System	In the 'Nodes' editor, manholes can be defined with a new cover type 'Displaceable cover', for which the opening of the manhole gradually increases with the pressure in the node, following a user-defined relationship between the pressure and the opening. This allows modelling manholes which function as sealed covers at the start of the simulation, and which can be displaced by pressure during the simulation, at which point they transition to a partially or fully open spilling cover. The resulting opening percentage can also be saved to the result file for further analysis. See Figure 7 below.
Collection System	A new derived result item 'Water minus pipe top level' is available on links. It is calculated as water level minus pipe top level, no matter if the water level is higher or lower than the top of the pipe. It is identical to the link pressure when the water level is higher than the top of the pipe, but provides negative values when it's lower. See Figure 8 below.
MIKE 1D engine	Added support for including boundaries in the .html summary, including global rainfall and evaporation boundaries (TT64378). **Note: This feature requires a run-time script to activate. If you're interested in using it, please contact MIKE Support.**
MIKE 1D engine	Enabled conical assumption when computing basin volumes. The default assumption is for basin volumes to expand linearly with area (i.e., that the area is rectangular with a fixed edge). The conical option assumes that volumes expand assuming a circular area. The conical option can be activated by inserting a custom engine parameter called "BasinAreaInterpolation", and setting the value to False.
Rivers	Boundary conditions of type 'Network rainfall' and 'Network evaporation' can now apply to storages. Each boundary condition can be applied to either all storages, a list or an individual storage. See Figure 9 below.
Rivers	Flags added to the map to draw a profile plot now snap to nearest cross sections to easily use cross section locations as start or end location of the plot.

Rivers	Two new options are offered while exporting cross sections to shape file from the 'Layers and symbols' tree: • It is possible to export only selected cross sections • It is possible to export the extents of active cross sections (from marker 1 to marker 3). See Figure 10 below.
MIKE 1D engine	Enabled new .xns11 output showing final breach cross-section when applying a limiting cross-section when using the energy equation method in a dambreak structure on river (TT66320). The .xns11 output file can be read using the MIKE IO 1D Python package or in a blank MIKE+ project.
Data assimilation	Added estimation of lateral correction volumes when assimilating water level measurements.
Data assimilation	Improved the installed example to demonstrate the assimilation of discharge measurements.
2D overland	A new 'Create flood raster' tool is available in the 'Results' tab of the ribbon. This new tool compares flood water levels from 1D and 2D results with a detailed DEM to create a single raster of water depths, saved either in .tif or .dfs2 format. For 1D rivers, the ground level used to compute the water depth can alternatively be obtained from the cross sections instead of the DEM. This is the first version of the tool, and additional enhancements are planned in future versions to better control the mapping. For example, in this first version: • The tool can only map water depths based on water level, but e.g. not current speed. • Water levels from storages on river network are not considered and cannot be mapped on the DEM. • Water level from a cell / element of the 2D domain is considered uniform within that cell / element, i.e. the raw water level result from the cell / element is used to compute the water depth in all pixels of the DEM within that cell / element. While this is suited for areas with small water surface slope and/or with small cells / elements, it may lead to discontinuous water depths mapping in areas where a significant difference of water levels is computed between neighboring cells / elements. • 1D results cannot be extrapolated beyond the extent of the cross sections. • The tool will not map 1D results if the model setup and its result file contain mistakes in placement of cross sections' markers (i.e. if the cross sections markers are not defined in the correct order for some cross sections). The solution is to correct markers location in the 1D result file, either by correcting the model setup and re-running the simulation prior to running the tool, or by executing an existing Python script which needs to be requested via the MIKE Support hotline. See Figure 11 below.
2D overland	The 'Compare' function in the 'Results' panel, which is used to create a result file of differences between two input result files, has been improved for 2D result files to compare differences of spatial extent of results. In former versions, this 'Compare' function created a single 2D output file containing numerical differences only in cells / elements flooded in both source files. This is now supplemented by a second output file containing differences in cells / elements flooded in only one of the two source files. The output value is a positive value matching the result from the first file, in cells / elements which are dry in the second file, and is a negative value matching the result from the second file in cells / elements which are dry in the first file. See Figure 12 below.
2D overland	When a .dfs2 file is loaded on the map, the 'Identify' tool now shows the J and K indices of the selected cell in the property view, J and K being respectively the cell indices along the X and Y axes of the grid. See Figure 13 below.
2D overland	Changes to the settings controlling the inactive areas in the '2D domain' editor, when the 2D domain is defined using a rectangular grid, are now saved in scenarios.

SWMM	SWMM engine has been updated to version 5.2. The corresponding new features described below, released with this new version, are also enabled.
SWMM	It is now possible to model runoff on streets and its capture by inlet drains. This is achieved using: • A new 'Streets' editor to define streets' cross sectional shapes • A new conduit shape type 'Street', to apply the street cross section above to a conduit • A new 'Inlets' editor to define the type and the dimensions of inlet structures capturing the street runoff • A new 'Inlets' tab in the 'Conduits' editor, to connect an inlet to a street conduit and connect them to a sewer node. See Figure 14 below.
SWMM	Four new pre-defined geometry types are available for nodes of type 'Storage unit': Cylindrical, Conical, Parabolic and Pyramidal.
SWMM	A code selector window has been added to the 'Conduits' editor to ease the selection of culvert codes. It is opened using the '…' button next to the 'culvert code' field. See Figure 15 below.
SWMM	A new "Type 5" pump type has been added to the choice of pump types in the 'Curves and relations' editor. It is a variable-speed version of the Type 3, where the Head versus Flow curve shifts position when control rules change the pump's relative speed setting.
SWMM	The LID type 'Rain barrel' now has a new 'Covered' status, which prevents it from capturing direct rainfall when active.
SWMM	In the 'Climatology' editor, it is now possible to select the temperature unit used in the selected external temperature file.
SWMM	It is now possible to apply a local infiltration method per catchment. The default infiltration model selected in the 'Simulation setup' editor can be overridden by a local one selected in the 'Catchments' editor, in the 'SWMM infiltration' tab. See Figure 16 below.
SWMM	A new 'Events' tab has been added to the 'Simulation setup' editor, to limit computation of full dynamic hydraulics to relevant periods of time.
Water Distribution	EPANET rule-based controls have been extended by two additional keywords that can be used in the rule's Condition clause: • STARTTIME • STOPTIME These are hours from the last pump start or stop conditions. They can e.g. be used to run the pump for only a fixed number of hours after its start.
Water Distribution	It is now possible to model pressure relief valves in water hammer simulations, using a new 'Pressure override limit' setting. This is specified in the 'Water hammer' tab of the 'Valves' editor. See Figure 17 below.
Water Distribution	It is now possible to add unsteady flow friction calculation to water hammer simulations. This option is enabled in the 'Water hammer' tab of the 'Simulation setup' editor.
Water Distribution	A new 'Aggregation sensors' editor has been added to the 'Online Analysis' module. It allows defining fictional sensors from actual sensors, which can be used e.g. to compute zone water balance, sum up values from multiple flow sensors to get the total pump station flow, and similar.

Water Distribution	A new option has been added to the 'Repair tool' to correct the 'Is active' status of junctions according to the 'Is active' status of connected links. See Figure 18 below.
Water Distribution	The 'Comparison table' field in the 'Comparisons' editor used with 'Online analysis' module now supports table IDs with more than 40 characters.
Water Distribution	The performance of the simulations executions has been significantly improved when working with a distant PostGIS database.

Fixed issues

Module/type	Error/Inconvenience
General	Alternative pipe geometries defined in scenarios were sometimes not properly restored with the scenario.
General	Alternative pipe geometries defined in scenarios were sometimes not properly imported from MIKE URBAN setups.
General	Polygons from shape files were in some cases not recognized by MIKE+, neither to display them on the map nor in the 'Import and export' tool.
General	In the 'Selection Manager' window, updating the content of a list using the button 'Update from map' unexpectedly focused afterwards on another list, looking as if the wrong list was updated although the update was correct.
General	Georeferenced .tif images added to the map were not restored at the correct location after closing and reopening the project.
General	The 'Network simplification' tool returned an unexpected error message when trying to simplify a network containing parallel pipes (with same start and end nodes) and/or with pipes abnormally connected to the same node at its two ends.
General	Model's 'Title' and 'Description' texts from the 'Description' editor were not saved in the database but in the .mupp project file, and were lost if this file went missing. They are now saved in the database too.
General	An unexpected error message was sometimes returned from the 'Model and result report' tool when using the 'Joins' function.
General	The Root Mean Square Error reported in the 'Statistics' tab of the 'Plots and statistics' editor was incorrect.
General	When trying to create a new time series by importing external data (e.g. from text or Excel file), the window to configure the import failed to open up, preventing from importing the data.
General	Special characters were not properly imported from some external data when using the 'Import and export' tool.
General	The 'Catchment delineation' tool stopped without a clear error description when delineation is impossible due to a locally flat topography. It now reports the reason and the ID of problematic nodes.
General	An unexpected error occurred when trying to display a profile plot with results, in case the result file was stored in a folder with an apostrophe in the path name.

General	The 'Line style' setting used for lines symbols on the map did not work properly, and dashes and dots were not clearly visible.
General	Exporting model data to a geodatabase using the 'Import and export' tool was abnormally slow and appeared as not progressing.
General	User-defined status values (e.g. used for nodes and pipes descriptions) specified in former versions of MIKE+ were lost after updating to MIKE+ 2025 Update 1.
General	The shape file with differences created by the 'Results differences' tool contained unexpectedly empty fields when the Operating System was set to use comma as decimal separator.
General	Wrong connections to measurement stations were shown on the map after copying and pasting data into the 'Measurement stations' editor.
General	Connection lines to measurement stations which are shown on the map can now be updated with the 'Refresh connection lines' tool in the ribbon.
Collection system	While adding LTS results to a profile plot, the custom title defined in the 'Add item' window was not used in the result layer name added to the plot.
Collection system	LTS extreme statistics results disappeared from profile plots after changing display settings in the 'Properties' window.
Collection system	A new validation error reporting missing values in the 'Materials' editor has been added.
Collection system	New validation errors reporting missing values in the 'LTS global parameters' editor have been added.
Collection system	New validation errors reporting missing start/stop levels and acceleration/deceleration times in the 'Pumps' editor have been added.
Collection system	Discharge sensors for control rules defined in valid pumps wrongly reported an error message.
Collection system	Water level filling was not displayed in the profile plot view, in the pipe next to a pump.
Collection system	When importing a MIKE URBAN model using the Sediment Transport module, local initial sediment depths were not correctly imported and therefore not correctly considered in later MIKE+ simulations.
Collection system	When importing a MIKE URBAN model, the Event ID newly introduced in MIKE+ 2025 Update 1 remained undefined and had to be specified manually after the import.
Collection system and Rivers	After closing MIKE+ while a simulation was running, and when continuing the simulation in a standalone window, this window failed to show the simulation progress for a 1D simulation (without coupling to 2D overland).
Collection system and Rivers	When a simulation end time was set before its start time, the 'Simulation setup' editor did not highlight which simulation contained the error.
Collection system and Rivers	Catchments were exported in two duplicate layers during the export to ArcGIS Pro using the tool 'ArcGIS integration'.
Collection system and Rivers	An unexpected validation error was sometimes reported in the 'Curves and relations' editor for a 'Control rule time series' curve.

Rivers	When trying to create a cross section plot in results viewing mode (without a project database opened) with multiple .res1d result files loaded, an unexpected error message about a missing 2D domain file was returned, preventing from creating the plot without opening a database.
Rivers	When including a '2D map' result file, the simulation sometimes stopped during initialisation with an error saying that the 2D map result file from a previous simulation was still in use.
Rivers	Bed roughness values of 0 were not reported as an error when using the 'Multiple zones' distribution.
Rivers	When comparing results only on a selection of rivers, the 'Results differences' tool reported differences only from parts of the rivers (from their start chainage down to the intersection with the first tributary).
Rivers	The 'Discharge through section' tool stopped with an unexpected error when the cross section was crossing rivers or pipes where discharge results were locally not saved.
MIKE 1D engine	Fixed error occurring when applying a limiting cross-section when using the energy equation method in a dambreak simulation (TT66320).
MIKE 1D engine	Fixed bug related to generation of water at collection system locations with bottom level discontinuities (TT66175).
MIKE 1D engine	Added warning message informing users that cross section marker locations must increase monotonically in the x direction from left to right (TT65910).
MIKE 1D engine	Corrected error in interpretation of time series wind direction inputs (TT66234).
MIKE 1D engine	Fixed units error in interpretation of time series valve opening inputs (TT60127).
MIKE 1D engine	Fixed error in Muskingum-Cunge routing (TT66117).
MIKE 1D engine	Fixed bug creating water balance errors at structure link connections (TT66163).
MIKE 1D engine	Fixed sign error in application of gridded evaporation to river network (TT66365).
MIKE 1D engine	Fixed indexing error occurring when setting initial conditions for a setup with routing reaches (TT66340).
MIKE 1D engine	Corrected unclear warning message occurring when head loss table incomplete (TT66339).
MIKE 1D engine	Fixed error in accounting of contributions from spilling nodes in .html summary (TT65052).
MIKE 1D engine	Fixed error preventing use of Data Assimilation module in collection systems without a river license (TT66147).
2D overland	The 'Discharge through section' tool has been improved to better report the computation progress, to allow deleting multiple sections at once, and to save output time series one at a time.
2D overland	An error "Shapefile is invalid" was returned when trying to execute the 'Create flood map polygons' tool with an invalid time step containing only dry elements. This is now reported with a clear error during the time step selection.
2D overland	The 'Exclude rivers' tool sometimes stopped with an unexpected error "Operation does not support Geometry Collection arguments".

2D overland	An error was sometimes reported in the 'Result files' editor for MIKE ECO Lab results, even when the MIKE ECO Lab module was not active.
2D overland	During generation of flexible meshes based on shape file layers, mesh arcs created within a polygon from the shape file were ignored, i.e. the resulting element faces did not align with the arcs.
2D overland	In some cases, MIKE+ stopped working after applying a polygon feature layer as inactive area, for the generation of a 2D domain with a rectangular grid.
2D overland	The error message has been improved in the '2D infrastructures' editor, when the selected feature layer doesn't include any valid field to identify the zones.
2D overland	The 'Validate' button in the 'Simulation setup' editor is only used to validate collection system and river network data, and has been disabled for standalone 2D simulations to avoid the unclear error message obtained with that simulation type.
2D overland	The 'Insert' button in the '2D boundary conditions' editor failed to create an open boundary condition on the map, when using a 'Rectangular grid' as 2D domain.
2D overland	When plotting vectors from a .dfs2 result file on the map, vectors were always shown in all cells even when selecting the style 'Interpolated on structure grid'.
2D overland	When using the 2D infiltration type 'Varying in domain using capacity' with the source type 'MIKE+ 2D infiltration layer', the infiltration parameters were not correctly used in the simulation.
2D overland	When running simulations from the 'Batch simulation' editor on computers with multiple GPUs, only the first simulation of the batch used the GPU selected in the 'Parallelisation settings' window, whereas subsequent simulations always used the first one.
SWMM	Validations of data in the 'Ground water' editor have been added.
SWMM	In the 'Nodes' editor, a new data validation has been added to check that Invert level is below Ground level.
SWMM	The 'View log' and 'View summary' buttons failed to open corresponding files for simulations involving the 2D overland module.
SWMM	The 'Surcharge depth' value from storage unit nodes was wrongly imported from .inp files.
SWMM	The 'Element status' field is now available and editable from the overview grid in the 'Conduits' editor.
Water distribution	The data validation reporting an error about inconsistency between measured and computed item units in the 'Plots and statistics' editor has been relaxed, to accept additional valid units in the measured time series.
Water distribution	MIKE+ sometimes stopped working with an unexpected error message after attempting to display a tank head time series using the tool 'TS from map'.
Water distribution	Bulk-editing the 'Is active' status for pipes using the Field Calculator failed to update the 'Is active' status for connected junctions accordingly.
Water distribution	Unexpected straight lines were sometimes added to the map for water hammer link results layers.

Water distribution	The filter 'Item can only connect if' did not work as expected when connecting demand allocations with the 'Connection tool'.
Water distribution	An unexpected error occurred when exporting the pipes layer to shape file from the 'Layers and symbols' tree, if some pipes fields contained empty values.
Water distribution	Special characters in rule IDs were not properly imported from EPANET .inp file.
Water distribution	Controls' clocktimes were not properly imported from EPANET .inp file when defining a non-integer number of hours.
Water distribution	Rules defined with a non-unique ID in EPANET .inp file were skipped during the import in MIKE+. They are now renamed with a new unique ID.
Water distribution	Import of water demands from EPANET .inp file was sometimes wrong when demands were defined in both [JUNCTIONS] and [DEMANDS] sections in the .inp file.

Figures

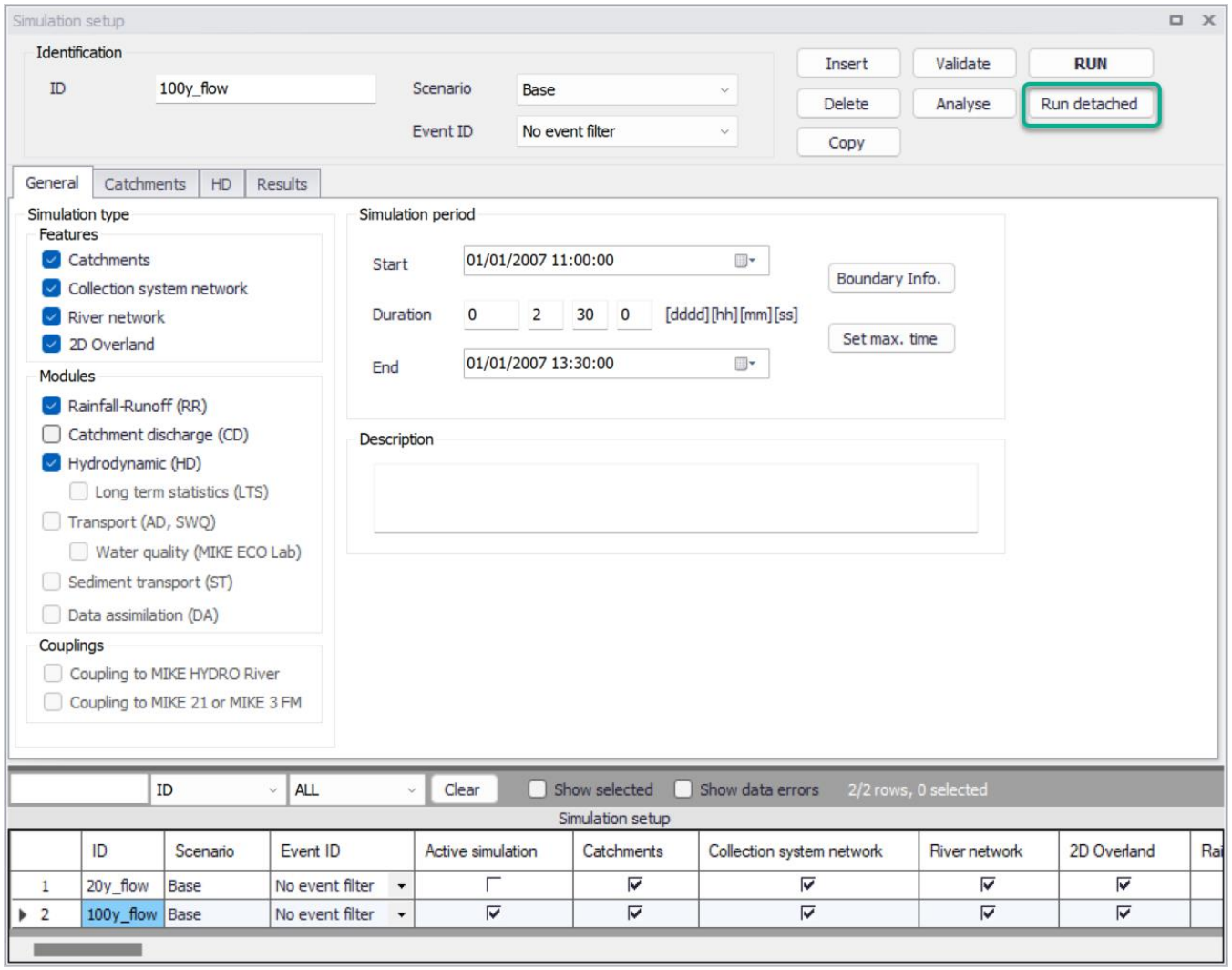

Figure 1 – Running a detached simulation in ‘Rivers, collection system and overland flows’ mode

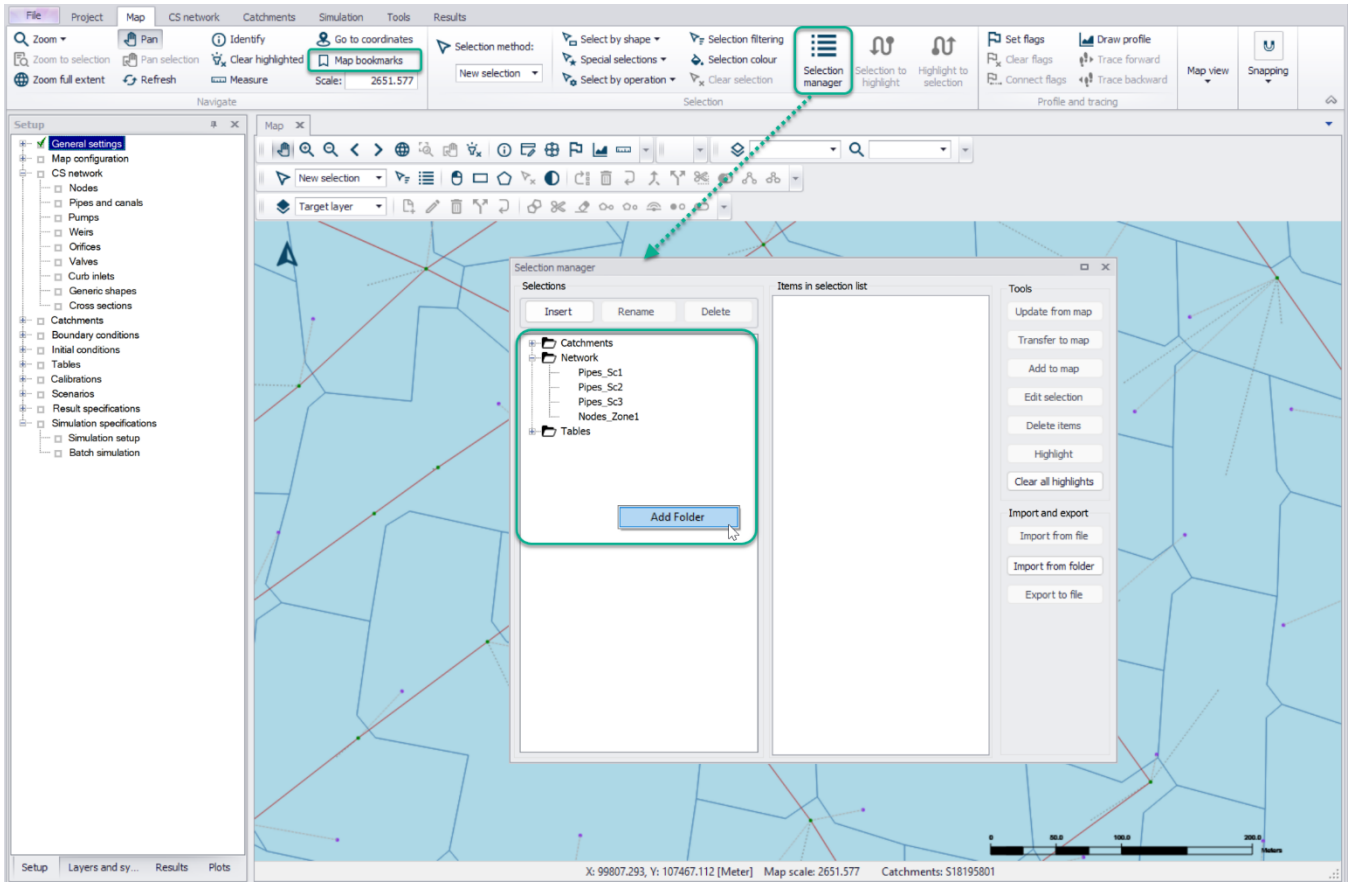

Figure 2 – Organising selections in folders, in the Selection manager

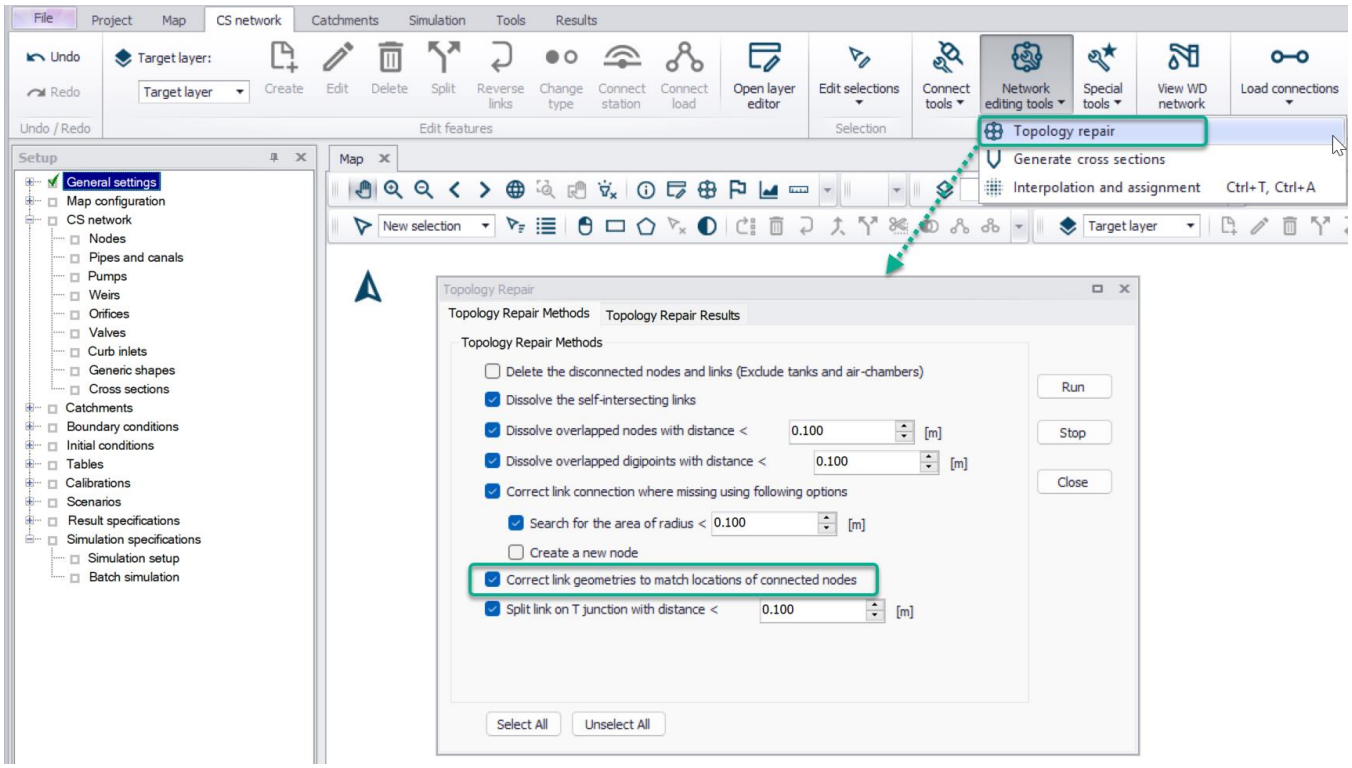

Figure 3 – New option to repair links geometries in the 'Topology repair' tool

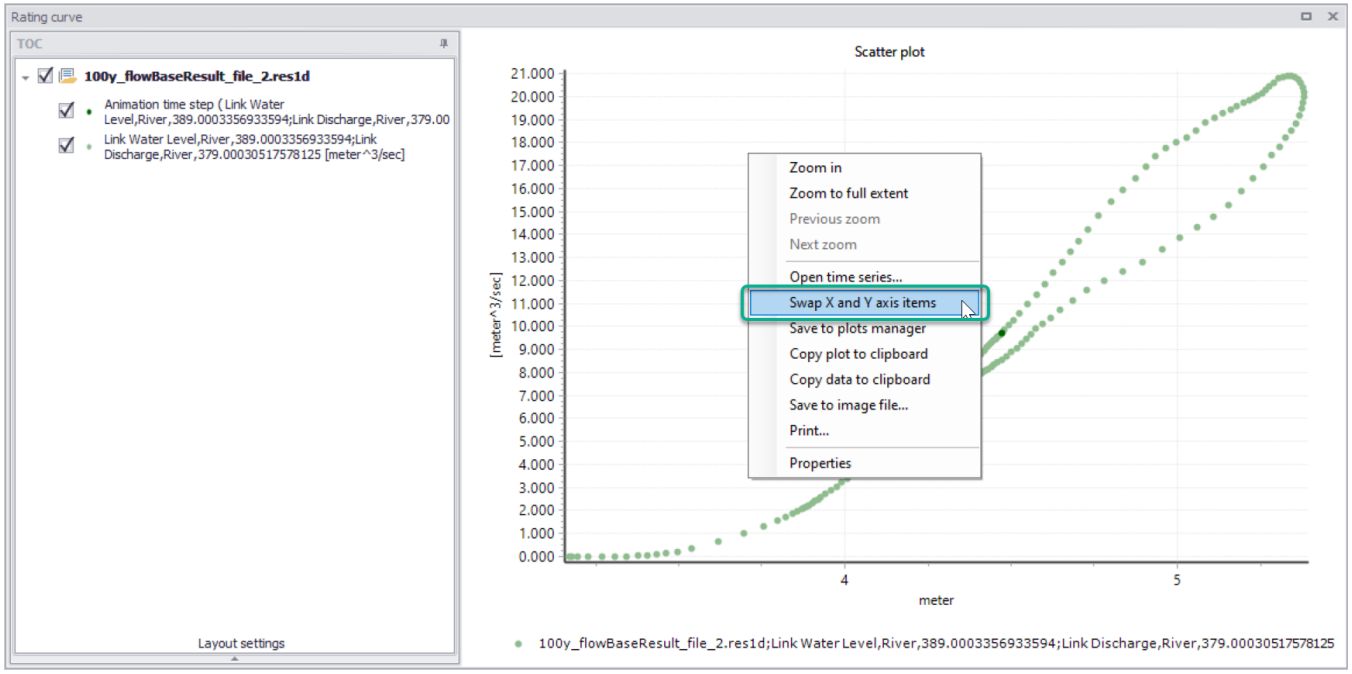

Figure 4 – Swapping X and Y axes data in scatter plots using the new option in the context menu

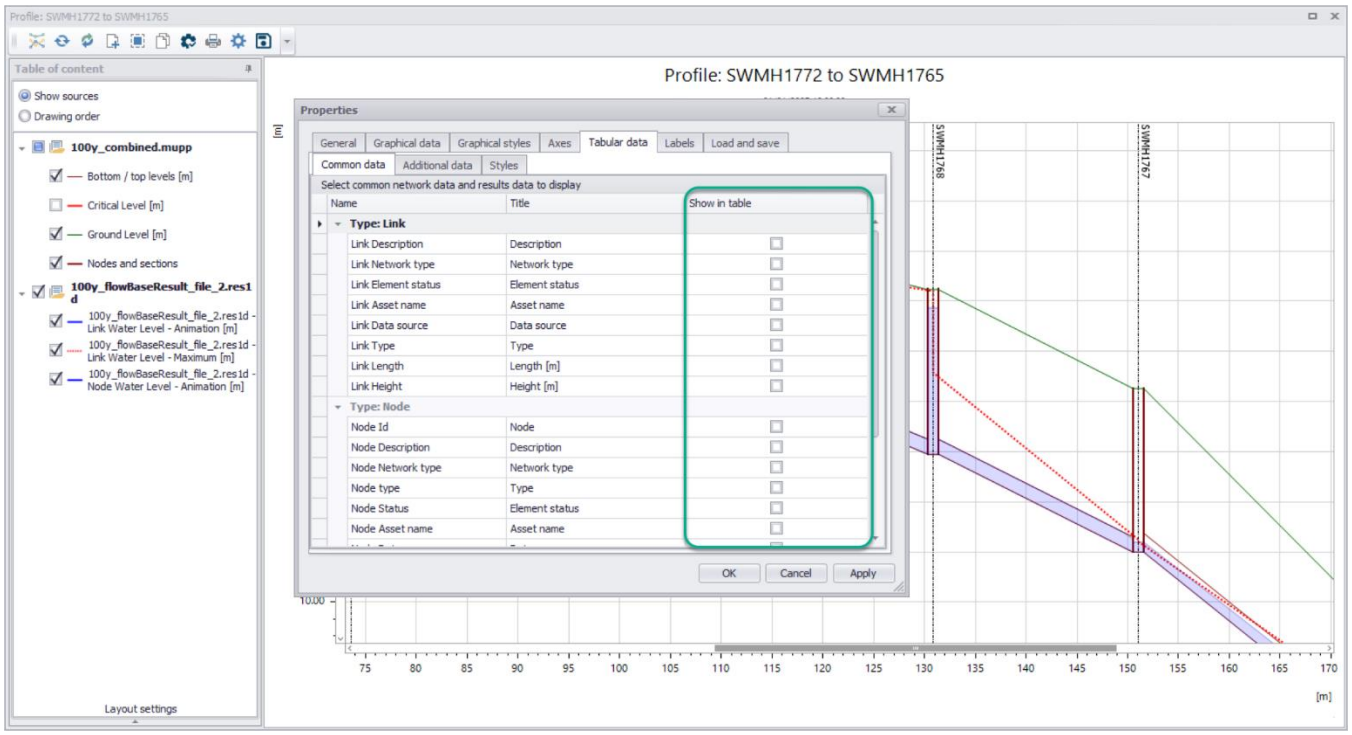

Figure 5 – Hiding the table below the profile plot by deselecting all its items

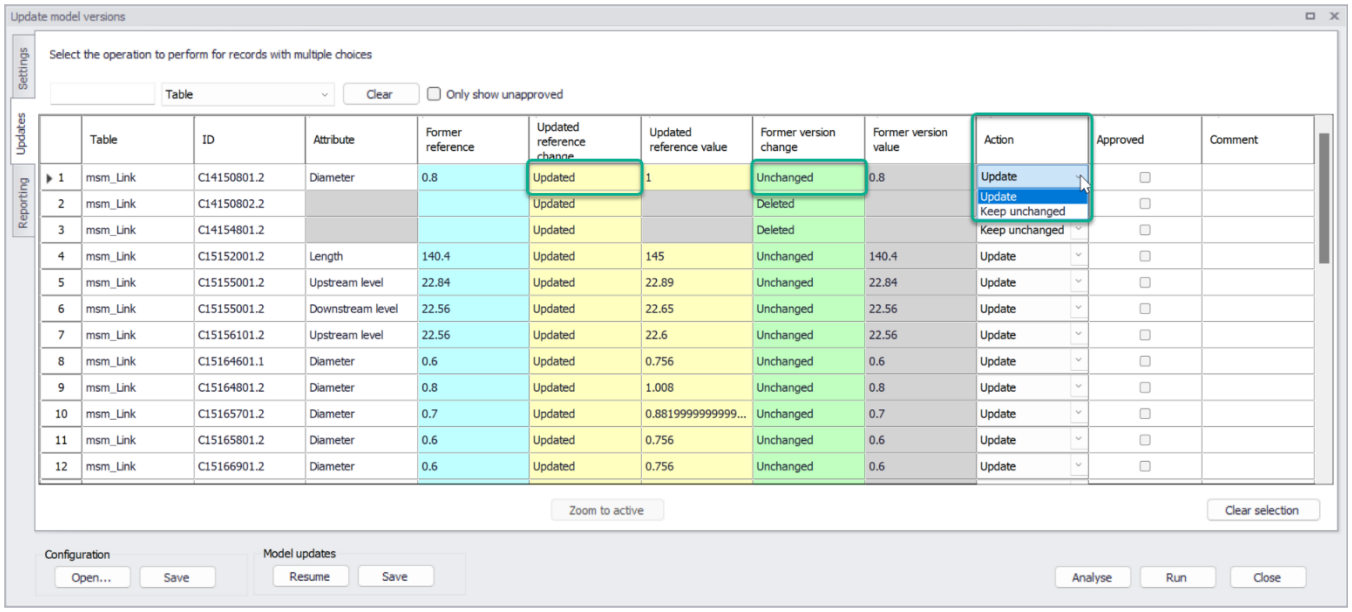

	Table	ID	Attribute	Former reference	Updated reference change	Updated reference value	Former version change	Former version value	Action	Approved	Comment
1	msm_Link	C14150801.2	Diameter	0.8	Updated	1	Unchanged	0.8	Update		
2	msm_Link	C14150802.2			Updated		Deleted		Keep unchanged		
3	msm_Link	C14154801.2			Updated		Deleted		Keep unchanged		
4	msm_Link	C15152001.2	Length	140.4	Updated	145	Unchanged	140.4	Update		
5	msm_Link	C15155001.2	Upstream level	22.84	Updated	22.89	Unchanged	22.84	Update		
6	msm_Link	C15155001.2	Downstream level	22.56	Updated	22.65	Unchanged	22.56	Update		
7	msm_Link	C15156101.2	Upstream level	22.56	Updated	22.6	Unchanged	22.56	Update		
8	msm_Link	C15164601.1	Diameter	0.6	Updated	0.756	Unchanged	0.6	Update		
9	msm_Link	C15164801.2	Diameter	0.8	Updated	1.008	Unchanged	0.8	Update		
10	msm_Link	C15165701.2	Diameter	0.7	Updated	0.8819999999999...	Unchanged	0.7	Update		
11	msm_Link	C15165801.2	Diameter	0.6	Updated	0.756	Unchanged	0.6	Update		
12	msm_Link	C15166901.2	Diameter	0.6	Updated	0.756	Unchanged	0.6	Update		

Figure 6 – New choice to keep values unchanged in Update tool, when the former model version used a value from the asset data which has been updated in the new asset database

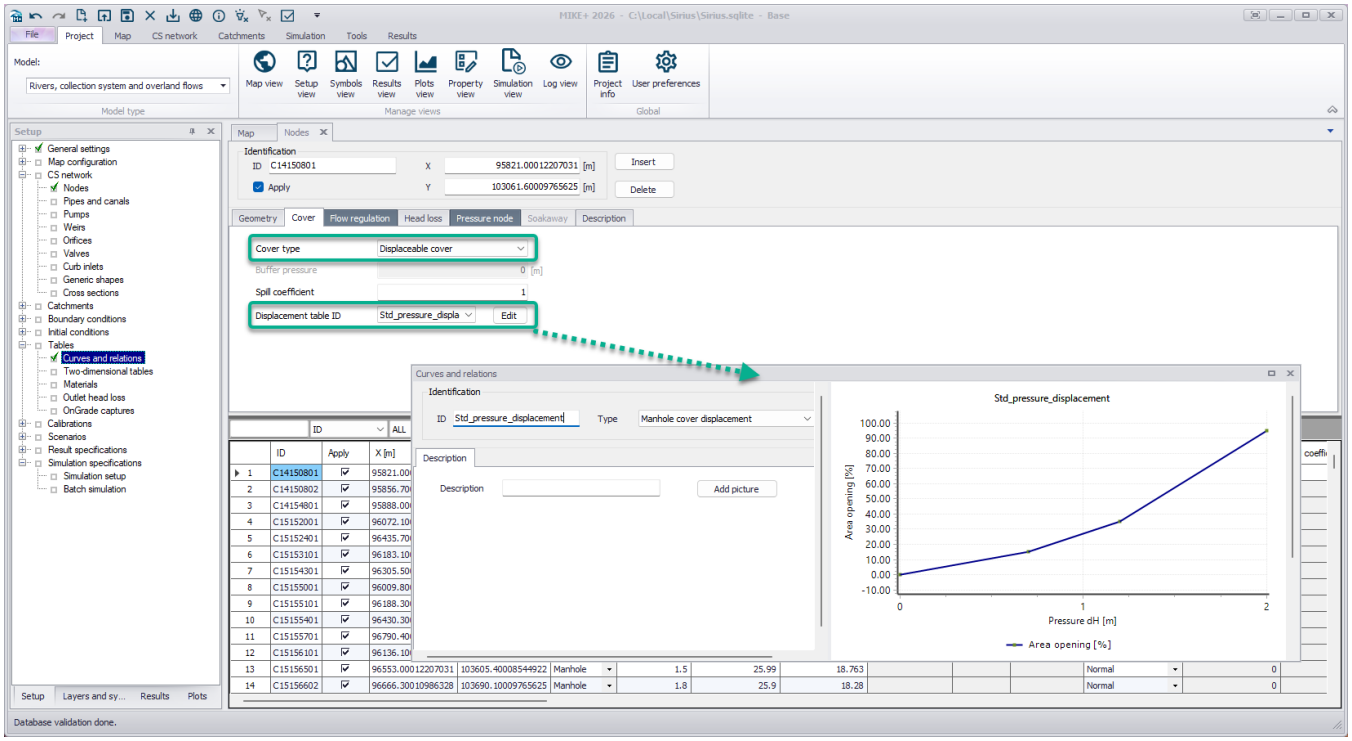

Figure 7 – Applying the new 'Displaceable cover' type for manholes displaced with pressure

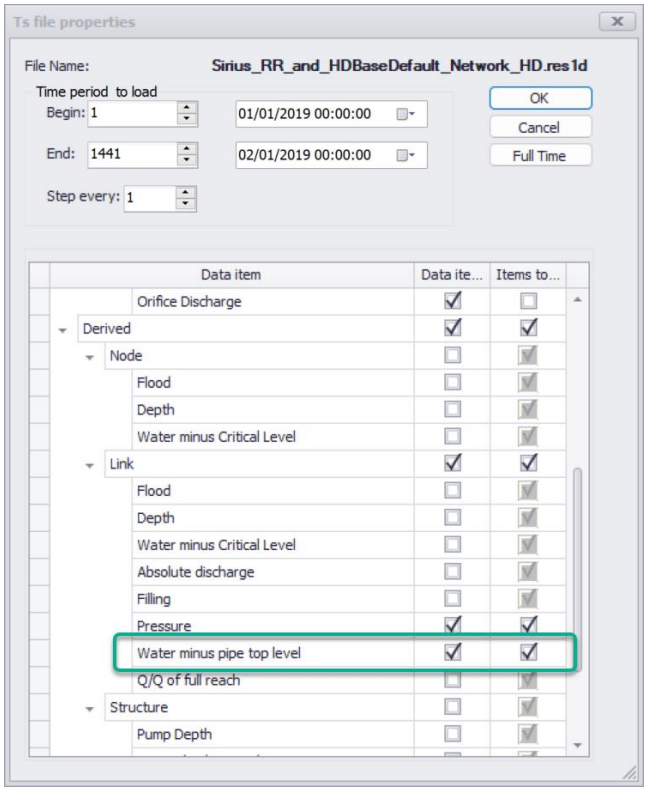

Figure 8 – The new derived result item 'Water minus pipe top level', available on Collection System networks

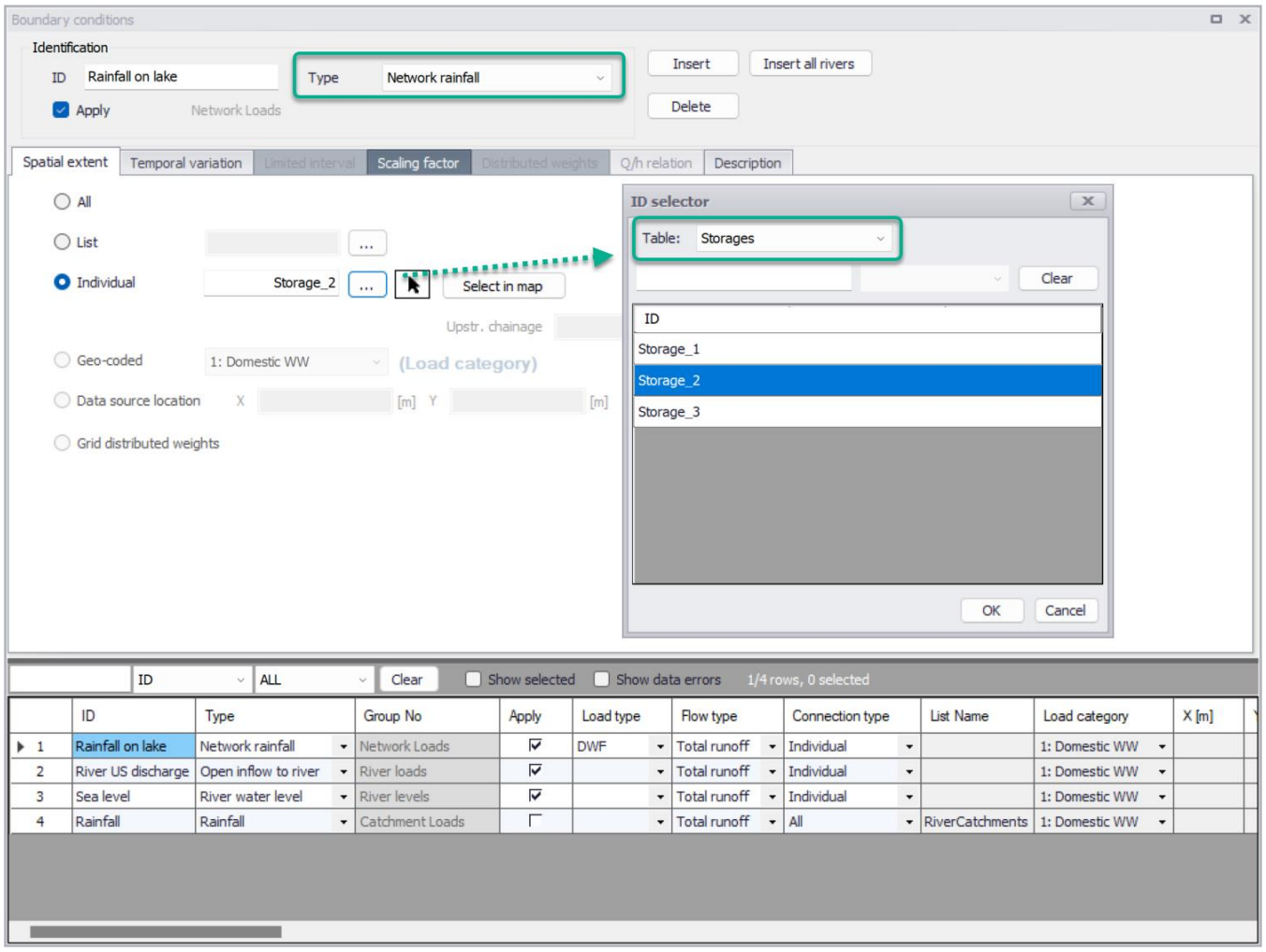

Figure 9 – Boundary conditions of type 'Network rainfall' and 'Network evaporation' can now apply to storages

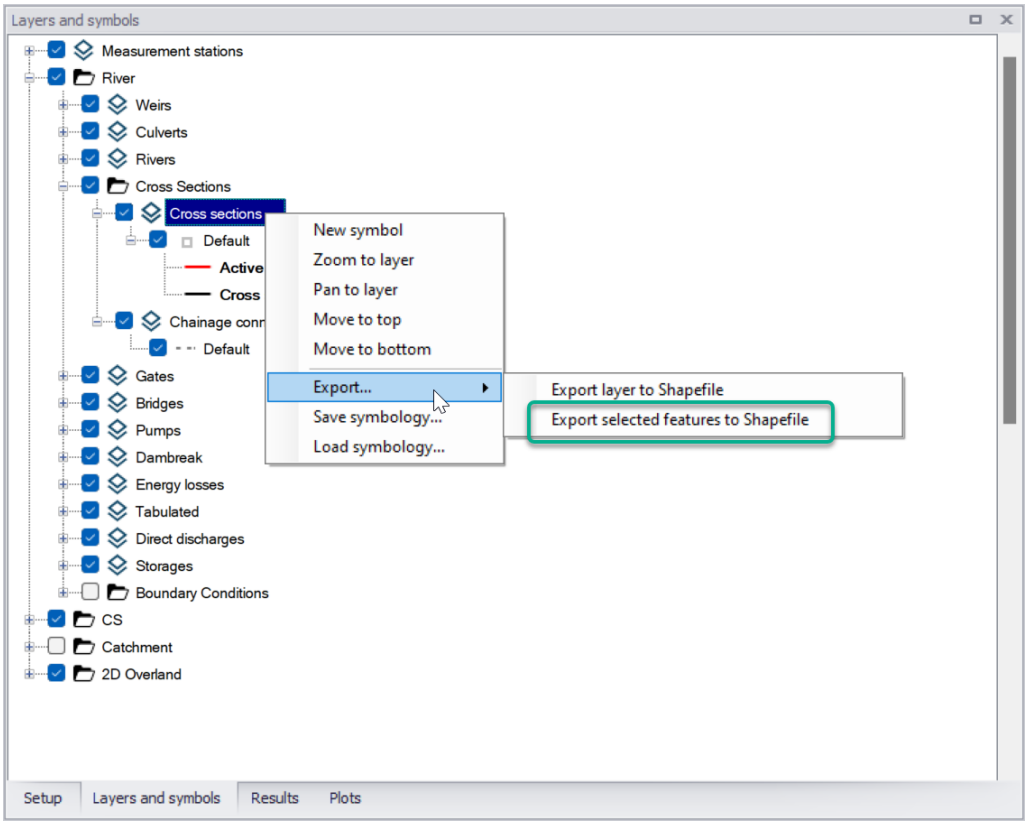

Figure 10 – Exporting cross sections to shape file now creates an additional shape file with extents of active cross sections

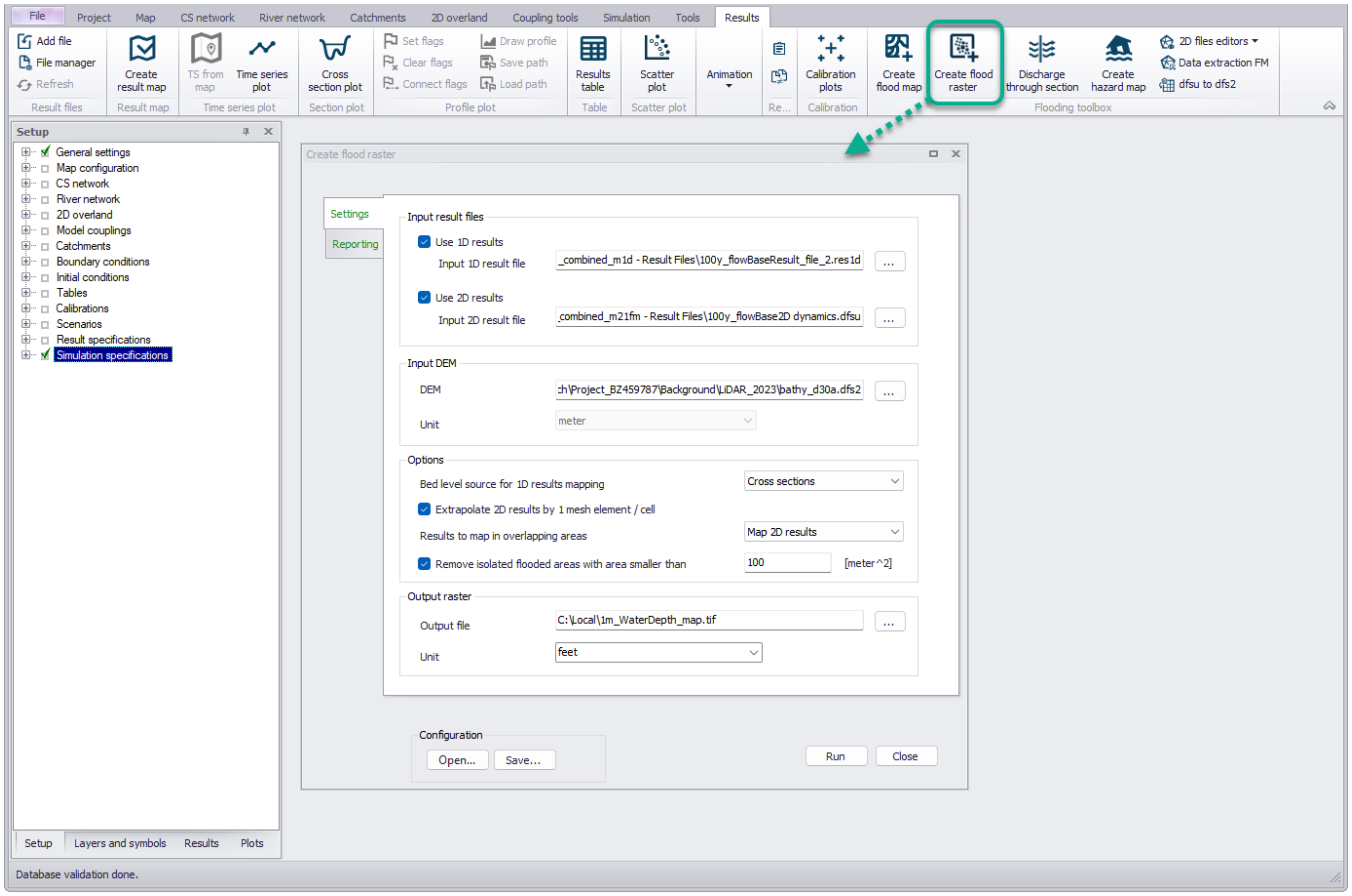

Figure 11 – The new ‘Create flood raster’ tool used to combine 1D and 2D results in a single raster of water depths

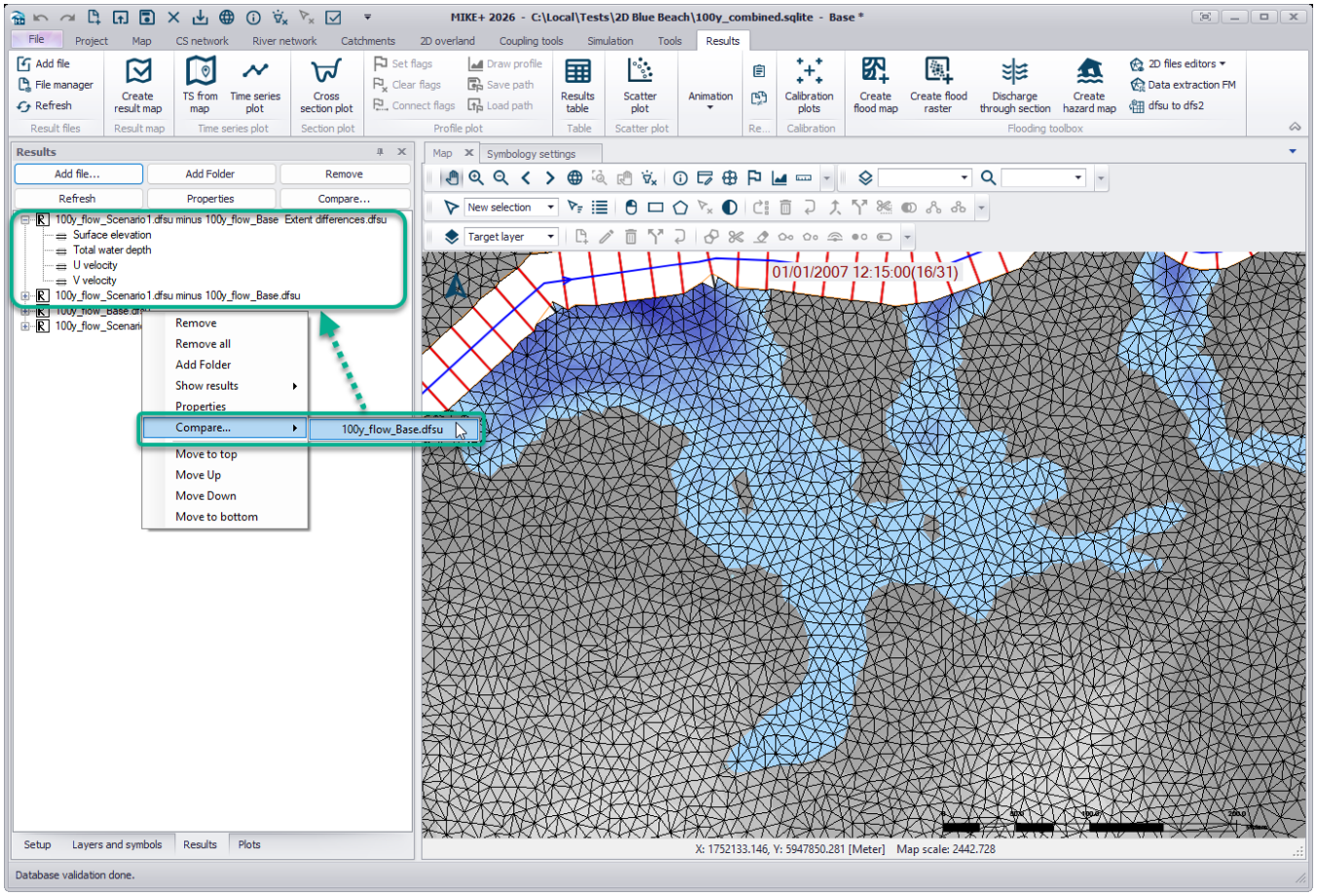

Figure 12 – The 'Compare' function now creates a second output file showing differences of flood extents, when comparing 2D results

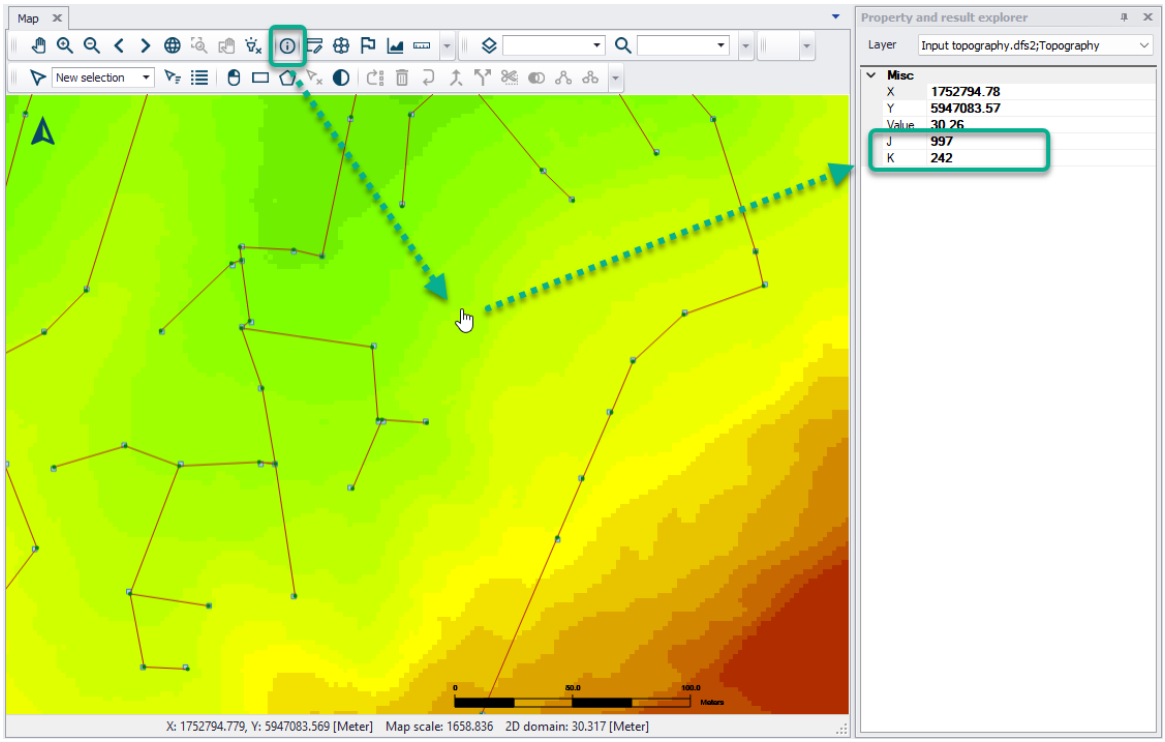

Figure 13 – The 'Identify' tool now shows J and K indices of the selected cell, when identifying .dfs2 files

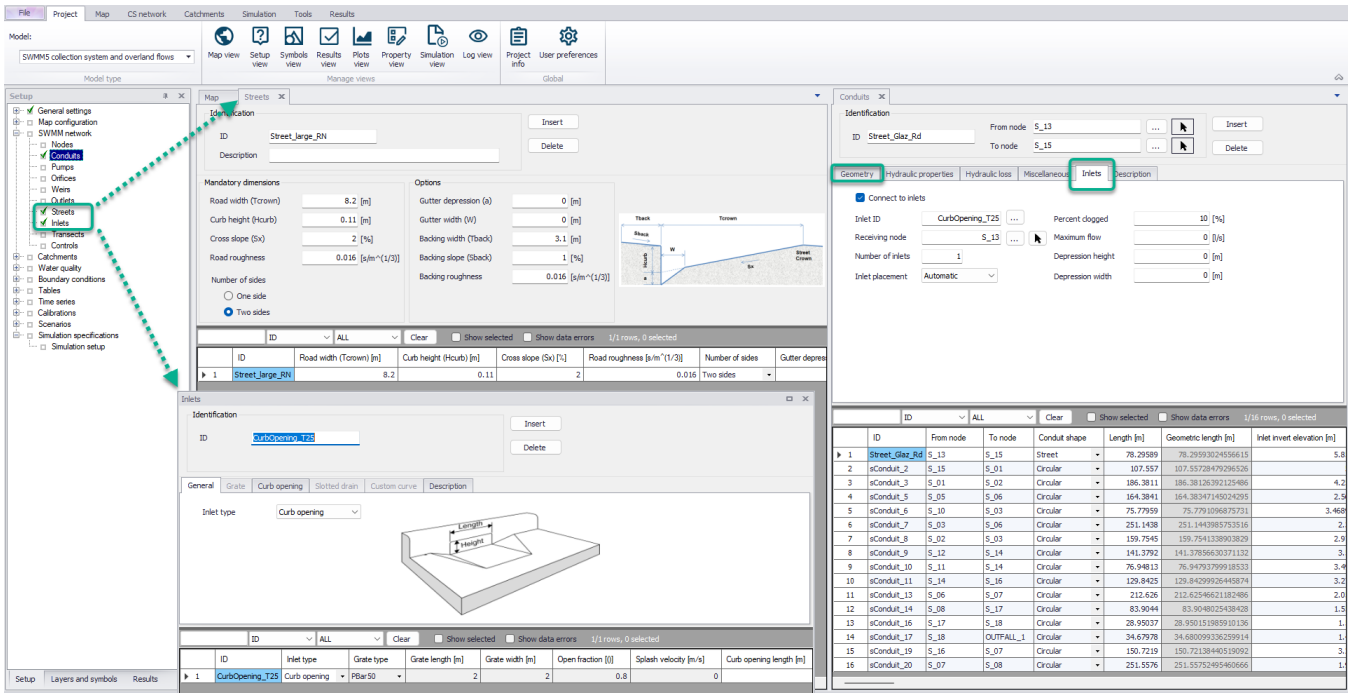

Figure 14 – New SWMM inlets allow connecting street conduits to the sewer network

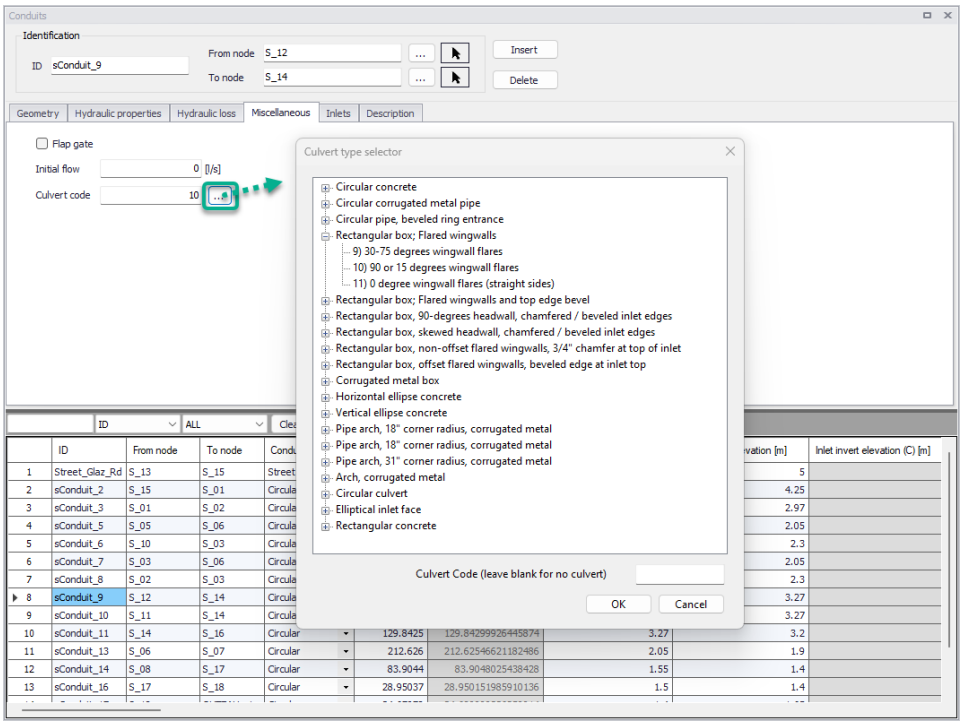

Figure 15 – A new code selector helps selecting culvert codes in the 'Conduits' editor

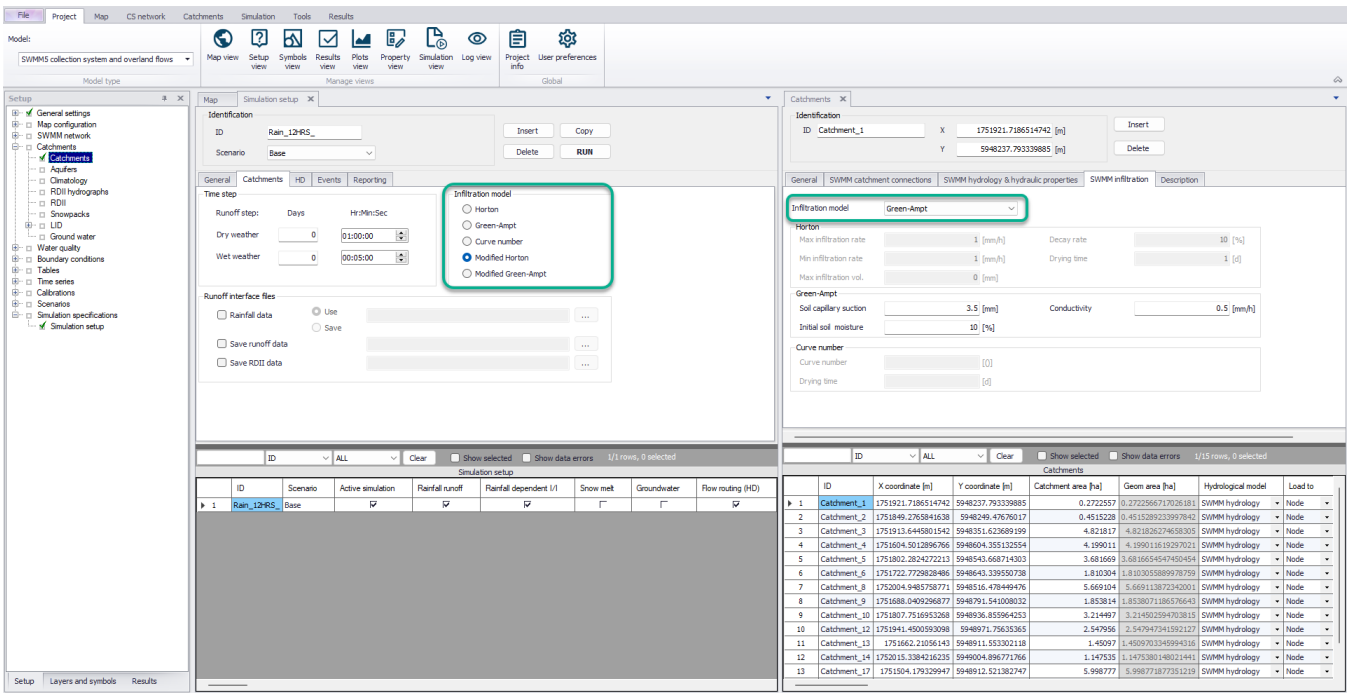

Figure 16 – The default infiltration model selected for the simulation can be overridden by a local model in selected catchments

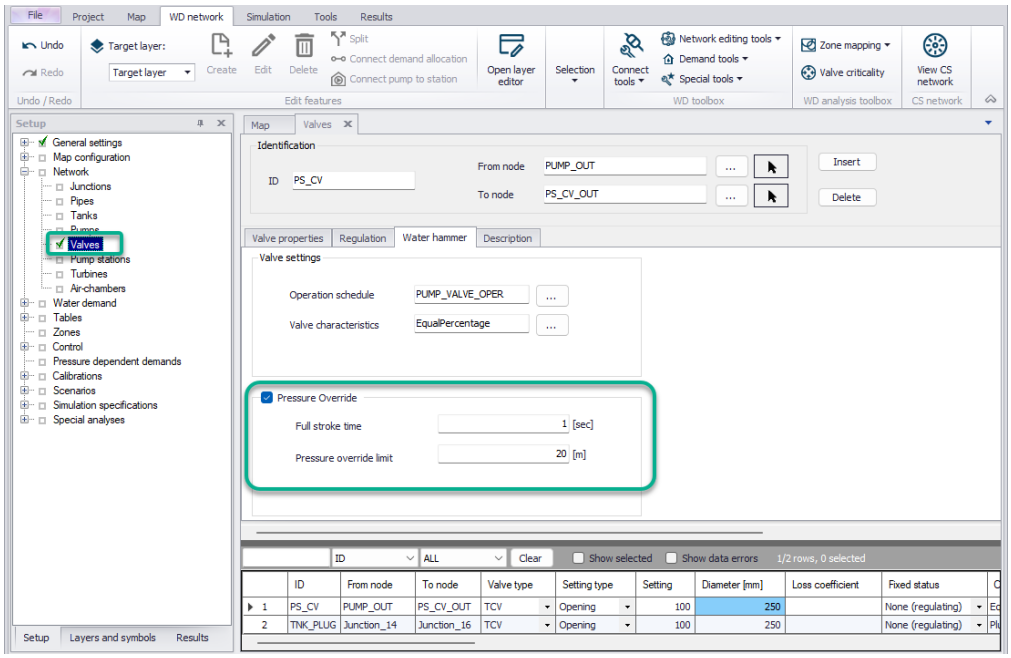

Figure 17 – Modelling pressure relief valves in water hammer simulations, using the new 'Pressure override limit' setting

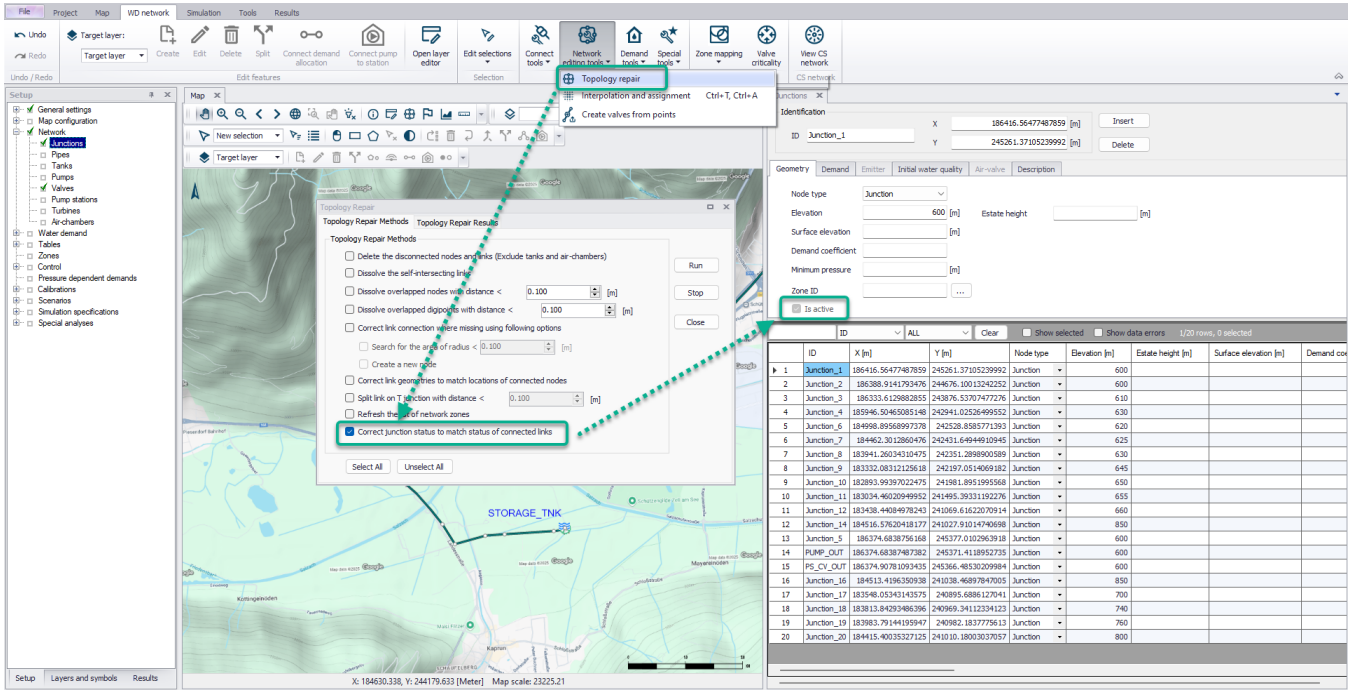

Figure 18 – The new option in the 'Repair tool' used to correct the 'Is active' status of junctions according to the status of connected links