

The extract below from Table 10.1 in the TUFLOW Manual (Build 2008-08-AC) provides a list of bug fixes and changes in Build 2008-08-AC.

To access the table and utilise the hyperlinks in the manual, click on the “New Features/Changes” on the front page and scroll to the start of Table 10.1.

Bug Fixes and Changes in 2008-08-AC	
Shallow Depth Stability Factor	The default value for Shallow Depth Stability Factor has been set to 0 (which disables this feature) for non-direct rainfall models. For most models this causes slightly different results compared with Builds 2008-08-AA and AB (see Shallow Depth Stability Factor for more information).
Read MI Variable Z Shape	For Variable Z Shape cells, the initial water level is now adjusted with the adjustment of the ZC value for dry cells (otherwise water is generated if any dry cells start being lowered).
	Pathnames to and within the Pit Inlet Database are now correctly recognised.
Table 4.12	The 1d_nwk Height attribute was used as a flow multiplier instead of the Width attribute for Q pits.
	Symbology display problems in the 1d_bc_check.mif layer have been fixed.
Section 4.7.4.3	A number of major bug fixes relating to the new irregular (I) channel feature.
Interpolate Cross-Sections Section 4.6.5	A number of bug fixes and enhancements when using 1d_nwk connectors (X Type) to control which channels to traverse upstream and downstream when interpolating cross-sections as follows: <ul style="list-style-type: none"> • Pit channels are now ignored. • Parallel structures (including automatic W channels) now accepted when traversing upstream/downstream. • New ERROR message that checks that there is only one channel snapped to the start of a connector (if more than one, the channels should be separated and individual connectors digitised for each channel).
	Fixed bug that ignored one of the connectors if a channel had connectors starting at both ends of the channel.
Table 4.15	1d_tab HW (or CS) tables that used the N flag to vary Manning’s n with height now work correctly (this fix is not backward compatible).
Section 7.4.4.1	The variation in structure loss coefficients has been moved out of the 1d_TSF.mif layer to its own .mif layer (extension _TSL.mif) due to a previously unknown limit in MapInfo of a total of 4,000 characters for all attributes of an object.
	The display of the “Stop TUFLOW Simulation” message box when an ERROR occurred during startup has been fixed.
	Better ERROR trapping for unconnected HX lines.

	TUFLOW no longer crashes when running more than one simulation on the same computer using the new Read MI FC Shape and Read MI Layered FC Shape features.
	TUFLOW can now set the timesteps (if specified in the .tcf file) when running via ISIS (this may require using an updated version of ISIS).
	-c (copy model) TUFLOW run option is now available to external 1D schemes such as ISIS and XP-SWMM.
Read MI Z HX Line	<p>Bug fixes and enhancements relating to the new Read MI Z HX Line feature as follows:</p> <ul style="list-style-type: none"> • HX lines with an “R” flag now apply the RIDGE approach. (The “R” flag cannot be applied to ZP points as documented in the 2008-08-AA manual). • New “A” flag for HX lines that adjusts all cell elevations (ie. does not apply the RIDGE approach if “Read MI Z HX Line RIDGE ==” is specified). • If a mixture of “R” and “A” flags occur within the same layer, the “A” HX lines are applied first followed by the “R” lines.
Section 4.4.11	If a separate points layer is specified for a Read MI Z Line, Shape or other command after the main layer, the path to this layer is now correctly assumed to be relative to the .tgc file. Also, if the WRITE TIN option is specified (where available) and a separate points layer is specified, this now correctly writes the .tin file.
	The 2d_sh_obj_check.mif layer now no longer contains empty polyline objects that caused MapInfo to not be able to import this layer.
	If -99999 elevation points were snapped to a polygon using Create TIN Zpts TUFLOW no longer goes into an infinite loop.
	If running the Tutorial Model without a dongle, the “_ TUFLOW Tutorial Simulations.log” file is now written to the same folder as the .tcf file (rather than to C:\) in case the user does not have write permission to C:\.
	If using Grid Size (N,M), and a region is used for Read MI Location, this command was not applied correctly.
	The 2d_dom_check.mif layer is now written immediately after setting the 2D domain dimensions (rather than just before the hydraulic calculations start), so is available for viewing if an ERROR occurs.
	Reporting of the viscosity formula and coefficient settings to the .tlf file has been corrected and improved.
	If using Viscosity Formulation == CONSTANT, the (constant) viscosity coefficient is now output to the _t.dat (viscosity coefficient) file.
	Added improved culvert input data tables and new Q pit input data tables to the .eof file.