

Release Notes - SOBEK - September 2012: 2.12.004

Improvements

- SOBEK-21941 Functionality to allow interpolation of Cross-Section data over a "Flow - Connection Node" (beta status)
- SOBEK-23759 Make 2D - Grid node visible in Netter by default
- SOBEK-23631 Remove the obsolete 2D Settings option "Assume lowest level of embankments"
- SOBEK-23625 Write error message in simulate.rep when SIMULATE aborts simulation due to a license error
- SOBEK-23597 Remove Settings error message "Simulation period too long" when Rainfall Runoff simulation period > 69 years
- SOBEK-23576 Disable storage for Closed Tabulated profiles. Storage causes numerical oscillations (instabilities) at the brink of Open channel flow and Pressurized flow
- SOBEK-23401 Made memory footprint of Parser much smaller in models with many YZ profiles and YZ points
- SOBEK-23399 Improve Parser messages when crashing due to missing Measurement Station
- SOBEK-23370 Renamed River pump setting "Reduction" to "Reduction factor"
- SOBEK-23312 Replace .chm file (Online Help) file with PDF manual
- SOBEK-23283 Ground layer should always have the same friction type as bed
- SOBEK-23251 Missing salt concentration in record of very old RR boundaries no longer causes error in ModelEdit
- SOBEK-23250 Show special profiles Elliptical, Arch, Cunette and Steel Cunette with their basic parameters in ModelEdit so the profiles can be modified
- SOBEK-23229 Update "Sobek on the Web" shortcut to deltaessystems website
- SOBEK-23183 Increased buffer size for trigger table, preventing error "array space for trigger table too small" for trigger tables of most sizes
- SOBEK-23165 Make default color for user data in SideView red instead of yellow
- SOBEK-23149 SOBEK-RE import: Add SOBEK-RE reach names to import messages
- SOBEK-23135 HEC-RAS Import: Error in Sub Convert: Type mismatch
- SOBEK-23134 Show parser error message on double ID's in PROFILE.DAT
- SOBEK-23017 Always show information in sobek.log when bridge is placed to above profile bottom level (previously information was only given when Debug output was enabled)
- SOBEK-23000 Always show Parser error messages as errors instead of warnings
- SOBEK-22974 Add additional output parameter to Lateral Results (qlat.his): Defined Lateral
- SOBEK-22910 Add warning to Storage Graph: Please note that information for entire reach is shown even when reach segment is selected
- SOBEK-22266 SOBEK steady mode: Add log file information to make steady messages more readable

Documentation

- SOBEK-23524 Update description on cross-section types in documentation
- SOBEK-23448 Add tutorial on how to change Linkage nodes into Flow - Connection nodes with interpolation
- SOBEK-23384 Add overview of cross-section types and characteristics to documentation
- SOBEK-23289 Update documentation to reflect that RR - Friction node is considered deprecated functionality
- SOBEK-23249 RR table record description: time is no longer given in seconds but in DDD;HH:mm:ss
- SOBEK-23245 Update of connection node documentation due to new interpolation functionality
- SOBEK-23090 Manual statement "The smallest distance the Delft-scheme uses is 10 meters." is incorrect
- SOBEK-23069 1D2D Internal Boundary should be placed on 2D grid cells containing values. This was incorrectly contradicted in the reference manual

Resolved issues

- SOBEK-24018 SUF-HYD import: Option "Generate Flow-Street objects from street levels" can cause double branch ID's when two nodes are connected by multiple internal structures
- SOBEK-23956 SBKBATCH: No output in case of different run periods for different jobs
- SOBEK-23955 SBKBATCH: Temp files are incorrectly written to root directory instead of current directory, causing error when user has no access to root directory of current drive
- SOBEK-23936 SBKBATCH: Running batch based on XML does not work correctly: first class is applied to all classes due to incorrect conversion to internal SBF data structure
- SOBEK-23897 Storage Graph could be generated for "Storage at Streets" even when "Storage in Nodes" was disabled
- SOBEK-23816 SOBEK cannot correctly write/modify input data when input files contain consecutive spaces

SOBEK-23775 SETNET gives error messages in install.log even when substitutions are OK

SOBEK-23733 SUF-OW import incorrect when decimal symbol in Regional Settings is set to comma

SOBEK-23699 Possible balance error due to time step estimation when SOBEK automatically decreases time step (for example after calculating negative depth)

SOBEK-23677 Parser messages about inconsistent cross-section data are sometimes cryptical

SOBEK-23665 Initial water depth of Dam Break structure is set to zero

SOBEK-23630 Interval controller for Pump was influenced by reduction table, causing reduction on reduced pump capacities

SOBEK-23617 Crown levels in SideView are a blocked-line or a smooth-line depending on how the Side View direction (by clicking) is defined

SOBEK-23598 ModelEdit gives Run-Time Error when opening Universal Weir

SOBEK-23538 SideView draws levels of Connection Node with Storage and Lateral Flow at a level of 10000m

SOBEK-23511 SOBEKSIM must give correct characteristic height for closed tabulated profiles

SOBEK-23487 Single Water level line is not drawn correctly in SideView

SOBEK-23418 Store Parser messages into PARSEN.MSG and the dump into PARSEN.DMP

SOBEK-23326 Invalid procedure call or argument when starting SUF-HYD export

SOBEK-23302 User Defined Slope values of Asymmetrical Trapezium profiles differ after saving and reopening in ModelEdt

SOBEK-23268 Crown level and Flood fill (or Single line) of interpolated/varying Circle and Egg Profiles are incorrectly displayed in SideView

SOBEK-23252 Water can enter model from 1D water level boundary even when defined water level is below the bed level of the adjacent reach segment

SOBEK-23240 Possible negative depth and crash due to wind for reach segments with greatly varying water depth

SOBEK-23205 Depths and (as a result) waterdepths in Online visualisation are not correct in case of a ground layer

SOBEK-23204 SBKBATCH: Run Multiple does not work

SOBEK-23189 When Grid Point check for River Structures is switched off in NTRPLUV.INI, PARSER still checks and generates errors based on check

SOBEK-23187 SETTINGS: Simulation mode is not always correctly displayed

SOBEK-23184 SBKBATCH does not correctly read longitudinal profiles from his files

SOBEK-23167 Check Flow model can incorrectly throw Fatal error: No data found for Node for "Flow-RR Connection on Flow Connection Node"

SOBEK-23164 When switching from Hydraulic/Time Controller to PID-Controller the actual crest level is not passed through correctly

SOBEK-23145 RGFILTER generates incorrect header when event duration < 24 hours

SOBEK-23094 Some misspelled words in message about too many SOBEK Installations

SOBEK-23065 Universal weirs in Results in Maps are drawn to bottom of selected Y-scale minimum

SOBEK-23024 Initial conditions for constant water depth incorrect

SOBEK-23001 Parser line buffer is too short for long lines in files

SOBEK-22993 Error parsing table when opening saved custom evaporation data in Meteo

SOBEK-22991 SOBEK-RE Import: Tabulated Profiles instead of River Profiles are created when no Summer Dike data is specified

SOBEK-22977 SOBEK-RE import: Controllers are not always imported

SOBEK-22958 Negative lateral discharge is not always taken into account during simulation

SOBEK-22955 Parser does not provide bottom and street level in case of tabulated storage

SOBEK-22946 WQINT memory fault in case of large schematisation

SOBEK-22938 Output location names in segment.dat are incorrect when containing more than 10000 segments, resulting in Delwaq crash

SOBEK-22905 Surface water types data in WQ parameters not saved after copy-pasting data

SOBEK-22810 Cannot enter negative value for Switch-Off value of internal pump station in certain conditions

SOBEK-22801 Storage in nodes for constant surface is incorrect when bottom of surfacenode is higher than the surrounding channels

SOBEK-22606 SOBEK.LOG error message when using 'st 1' profile.def option can contain unreadable reach ID's

SOBEK-22568 Urban model stops with license error even if a correct license file is available

SOBEK-22121 Online Visualization starts but simulation does not when x-coordinates of entire model are 0

SOBEK-21650 Error: "Probably more than one branch attached to a waterlevel boundary" when simulating series

