

## History of Changes for Sewsan

	<b>2024/11/30</b>	<b>Public Release (Installer Version 6_2024_11_30)</b>
I	<i>Improvement</i>	Invalid slope checks expanded
I	<i>Improvement</i>	Zip format GIS lock file message
I	<i>Improvement</i>	Option with single Vlookup for delimited values in from comparison field
B	<i>Bug Fix</i>	Prevent error notification for every copy field in multi vlookup on error
N	<i>New Function</i>	Model reference saving in GIS Projects
	<b>2024/05/31</b>	<b>Public Release (Installer Version 6_2024_05_31)</b>
I	<i>Improvement</i>	Model import from GIS projection and multi-part checks
I	<i>Improvement</i>	Additional error check for incorrect diversion To_Code after merge
B	<i>Bug Fix</i>	Catch Model Save As failure for excessive path length
N	<i>New Function</i>	Addition of default Esri Custom Map Sets
N	<i>New Function</i>	Manning Calculations form
	<b>2024/01/31</b>	<b>Public Release (Installer Version 6_2024_01_31)</b>
I	<i>Improvement</i>	Upgrade to GLS Mapbox for OpenStreetMaps and Satellite Imagery
I	<i>Improvement</i>	Planbook dialogue improvements
I	<i>Improvement</i>	Delete Multiple Vertices function added
I	<i>Improvement</i>	Network Topology: duplicate link refactor fix
I	<i>Improvement</i>	Error Reporting on Invalid External Connection Files
I	<i>Improvement</i>	Support licensing of concurrent instances on same machine
I	<i>Improvement</i>	Support licensing of Mapbox and Google Maps only for valid SMA
B	<i>Bug Fix</i>	Fix label move on same layer bug
B	<i>Bug Fix</i>	Network Topology: duplicate link refactor
N	<i>New Function</i>	Addition of Mapbox Graphite Map Theme
N	<i>New Function</i>	Support Convex Hull GIS operation
	<b>2023/10/31</b>	<b>Public Release (Installer Version 6_2023_10_31)</b>
B	<i>Bug Fix</i>	CAD Text outline shade colour to apply and save to drawing
B	<i>Bug Fix</i>	Catalogue database use in multiple instances
B	<i>Bug Fix</i>	GIS layer save prompt on Drawing tab close
I	<i>Improvement</i>	Reinstate ECW read-only support
I	<i>Improvement</i>	Bug tracking communication updated
I	<i>Improvement</i>	Handling of invalid or expired licenses
N	<i>New Function</i>	Drawing tab right-click closing options added
N	<i>New Function</i>	Mapgrid enhancements for linear naming for level 1 blocks
N	<i>New Function</i>	Capturing theme added including validity rendering
	<b>2023/07/31</b>	<b>Public Release (Installer Version 6_2023_07_31)</b>
B	<i>Bug Fix</i>	Model Assign Projection for 64-bit versions
B	<i>Bug Fix</i>	Fix Load Linked DTM when multiple DTMs are linked to model
B	<i>Bug Fix</i>	Upstream traversal to consider all paths for Sewsan diversion
I	<i>Improvement</i>	User Resize Error Report Form
I	<i>Improvement</i>	Option to exclude future pipes for infiltration in summary
N	<i>New Function</i>	Ability to change privacy consent setting
N	<i>New Function</i>	Create polygon grid
N	<i>New Function</i>	Sqlite to ESRI GDB (and vice versa) converter
N	<i>New Function</i>	Drag ESRI GDB into GIS
	<b>2023/01/31</b>	<b>Public Release (Installer Version 6_2023_01_31)</b>
B	<i>Bug Fix</i>	Quick Start Form behaviour and version number fix
B	<i>Bug Fix</i>	Ensure diversion flow ascending and include percentage check
I	<i>Improvement</i>	Halt function execution while saving from blue star
I	<i>Improvement</i>	Remove US_C_PSFLOW from 0% diversion links
I	<i>Improvement</i>	Skip replace values for structures with blank cost functions
I	<i>Improvement</i>	Updated Help Files
	<b>2022/10/31</b>	<b>Public Release (Installer Version 6_2022_10_31)</b>

B	Bug Fix	Duplicate error check in merge models
I	Improvement	Appurtenance on node to use first connected existing pipe to link to first
I	Improvement	Updated gravity pipe catalogue with new entries
I	Improvement	DTM colour ranges
N	New Function	New zipped shape and sqlite support when working over network with large files
N	New Function	Generic GIS Buffer
N	New Function	Option to modify source file paths of GIS project file
N	New Function	New compression library used to support large files
<b>2022/06/30</b>		<b>Public Release (Installer Version 6_2022_06_30)</b>
I	Improvement	Registration info encryption type update
N	New Function	Access Google Map API via EdgeBrowser - requires WebView2Runtime
N	New Function	Option to Reset Local Licenses if files become corrupt
N	New Function	Edit Selected Values from Selection Filter (Find and Replace)
<b>2022/03/31</b>		<b>Public Release (Installer Version 6_2022_03_31)</b>
B	Bug Fix	Revert JS version for google map downloads
B	Bug Fix	Fixed crash on application close when TChart objects were created
B	Bug Fix	Downstream path iterative select link to follow fixed
I	Improvement	Generic Report Form display improvements
I	Improvement	Additional info fields options added to GIS Long Section
N	New Function	Select/Show unlinked appurtenances
N	New Function	Save render categories as individual tables
<b>2021/11/30</b>		<b>Public Release (Installer Version 6_2021_11_30)</b>
B	Bug Fix	Correct model lock check on blue star click
B	Bug Fix	Fixed program exit memory leak after displaying any graph
I	Improvement	External/Third-party acknowledgements appendix in Help documents
I	Improvement	Option to set 'Exist' parameter when capturing - false by default
I	Improvement	Multi-VLookup add fields to copy improvement
N	New Function	Order model selection with traversal
N	New Function	User Theme Backup functionality
<b>2021/07/31</b>		<b>Public Release (Installer Version 6_2021_07_31)</b>
B	Bug Fix	Remove dead node cad entities after merge and save
B	Bug Fix	VLookup failure on outer joined tables
B	Bug Fix	Traversal for very large models
B	Bug Fix	Ensure correct fieldnames when copying results clipboard
I	Improvement	Copy, Cut and Paste in datapane/property editor
I	Improvement	Lock file messages for model load and save
I	Improvement	Disable form controls while operation is busy
N	New Function	Custom Webmap loader
N	New Function	Selection Builder using spatial selection toolkit
<b>2021/04/30</b>		<b>Public Release (Installer Version 6_2021_04_30)</b>
B	Bug Fix	Prevent inserting node on node causing zero-length links
B	Bug Fix	Fix data sorting in fields for text starting with 'inf' or 'nan'
B	Bug Fix	Fixed error for SWMM5 analysis results not importing correctly
I	Improvement	POPI/GDPR compliance
I	Improvement	Implement new Google External Maps
I	Improvement	Improved Google Street View
I	Improvement	Update of Mapbox Satellite Maps
I	Improvement	Re-introduce network topology integrity check on model load with zero-length link check
I	Improvement	Exact matching of field values from catalogue
I	Improvement	GLS GIS Conversion Tool export to GIS restructured
N	New Function	GIS Polygon clipping tools
N	New Function	GLS GIS Conversion Tool now supports export to GeoJSON files
<b>2021/02/28</b>		<b>Public Release (Installer Version 6_2021_02_28)</b>
B	Bug Fix	Fix error on shutdown when no models are loaded
I	Improvement	Alphabetical field names in Vlookup
I	Improvement	Notification system updates
I	Improvement	Added axis titles to result hydrograph
I	Improvement	Enable SWMM_Model field setting from a drop-down
I	Improvement	Proxy detection for license server
<b>2020/11/30</b>		<b>Public Release (Installer Version 6_2020_11_30)</b>

I	<i>Improvement</i>	Disable editing of result fields in model tables
I	<i>Improvement</i>	Option to abort application shutdown or model closure with unsaved changes
I	<i>Improvement</i>	Performance improved for copying data to results storage fields
N	<i>New Function</i>	Snap to closest node location for appurtenances
<b>2020/08/31</b>		<b>Public Release (Installer Version 6_2020_08_31)</b>
B	<i>Bug Fix</i>	Error when closing last open model
I	<i>Improvement</i>	Major improvements in checking for network connection loss with warning system
I	<i>Improvement</i>	Improved error checks on selection for topology functions
N	<i>New Function</i>	Save multi-layer GIS selection as single database or multiple shape files
<b>2020/07/31</b>		<b>Public Release (Installer Version 6_2020_07_31)</b>
B	<i>Bug Fix</i>	Check for invalid field selection in the Label Upstream from Sub-Catchment function
B	<i>Bug Fix</i>	New gravity pipe inverts set to 0 instead of kept as empty
B	<i>Bug Fix</i>	Exported model reports not loading
I	<i>Improvement</i>	WWTW and WWTP types grouped in Model Reports
I	<i>Improvement</i>	Option to not overwrite existing values with the Multi-Vlookup
I	<i>Improvement</i>	Model Save As (and Selection As) to open in current model directory
I	<i>Improvement</i>	Copy common link data to the appurtenance when inserting
N	<i>New Function</i>	Global Search to find values in loaded GIS layers
N	<i>New Function</i>	Model <> GIS data selection for correlated data
N	<i>New Function</i>	Store analysis results for each of the three land use scenarios and enable switching between the result sets
N	<i>New Function</i>	Select downstream from multiple selected structures
<b>2020/05/31</b>		<b>Public Release (Installer Version 6_2020_05_31)</b>
I	<i>Improvement</i>	Better performance for flow percentage updating after analysis
I	<i>Improvement</i>	Search improvement for the populate from presets form
I	<i>Improvement</i>	Update style categorized labels as displayed for Insert Legend
N	<i>New Function</i>	Add ESRI map options based on client license
<b>2020/03/31</b>		<b>Public Release (Installer Version 6_2020_03_31)</b>
B	<i>Bug Fix</i>	Additional safety measures when trying to Save As existing file has a failure
B	<i>Bug Fix</i>	Check all loaded models for all drawing tabs for changes on shutdown
B	<i>Bug Fix</i>	Ignore unattached appurtenances not selected when merging model selections
I	<i>Improvement</i>	Update connected appurtenances when link code edited
I	<i>Improvement</i>	Add appurtenances warnings to system checks
I	<i>Improvement</i>	Model zoom option from Model Display Control