History of Changes for Sewsan

	2025/03/31	**Public Release (Installer Version 6_2025_03_31)**
I	*Improvement*	Google map capture completion check improvement
I	*Improvement*	NGI Maps updated (new source - IE no longer supported)
B	*Bug Fix*	Prevent editing of Pump_Index field
B	*Bug Fix*	Correction to Spare Capacity Model report SQL queries
N	*New Function*	Export polygons to points with same data
	2024/11/30	**Public Release (Installer Version 6_2024_11_30)**
I	*Improvement*	Invalid slope checks expanded
I	*Improvement*	Zip format GIS lock file message
I	*Improvement*	Option with single Vlookup for delimited values in from comparison field
B	*Bug Fix*	Prevent error notification for every copy field in multi vlookup on error
N	*New Function*	Model reference saving in GIS Projects
	2024/05/31	**Public Release (Installer Version 6_2024_05_31)**
I	*Improvement*	Model import from GIS projection and multi-part checks
I	*Improvement*	Additional error check for incorrect diversion To_Code after merge
B	*Bug Fix*	Catch Model Save As failure for excessive path length
N	*New Function*	Addition of default Esri Custom Map Sets
N	*New Function*	Manning Calculations form
	2024/01/31	**Public Release (Installer Version 6_2024_01_31)**
I	*Improvement*	Upgrade to GLS Mapbox for OpenStreetMaps and Satellite Imagery
I	*Improvement*	Planbook dialogue improvements
I	*Improvement*	Delete Multiple Vertices function added
I	*Improvement*	Network Topology: duplicate link refactor fix
I	*Improvement*	Error Reporting on Invalid External Connection Files
I	*Improvement*	Support licensing of concurrent instances on same machine
I	*Improvement*	Support licensing of Mapbox and Google Maps only for valid SMA
B	*Bug Fix*	Fix label move on same layer bug
B	*Bug Fix*	Network Topology: duplicate link refactor
N	*New Function*	Addition of Mapbox Graphite Map Theme
N	*New Function*	Support Convex Hull GIS operation
	2023/10/31	**Public Release (Installer Version 6_2023_10_31)**
B	*Bug Fix*	CAD Text outline shade colour to apply and save to drawing
B	*Bug Fix*	Catalogue database use in multiple instances
B	*Bug Fix*	GIS layer save prompt on Drawing tab close
I	*Improvement*	Reinstate ECW read-only support
I	*Improvement*	Bug tracking communication updated
I	*Improvement*	Handling of invalid or expired licenses
N	*New Function*	Drawing tab right-click closing options added
N	*New Function*	Mapgrid enhancements for linear naming for level 1 blocks
N	*New Function*	Capturing theme added including validity rendering
	2023/07/31	**Public Release (Installer Version 6_2023_07_31)**
B	*Bug Fix*	Model Assign Projection for 64-bit versions
B	*Bug Fix*	Fix Load Linked DTM when multiple DTMs are linked to model
B	*Bug Fix*	Upstream traversal to consider all paths for Sewsan diversion
I	*Improvement*	User Resize Error Report Form
I	*Improvement*	Option to exclude future pipes for infiltration in summary
N	*New Function*	Ability to change privacy consent setting
N	*New Function*	Create polygon grid
N	*New Function*	Sqlite to ESRI GDB (and vice versa) converter
N	*New Function*	Drag ESRI GDB into GIS
	2023/01/31	**Public Release (Installer Version 6_2023_01_31)**
B	*Bug Fix*	Quick Start Form behaviour and version number fix

B	*Bug Fix*	Ensure diversion flow ascending and include percentage check	
I	*Improvement*	Halt function execution while saving from blue star	
I	*Improvement*	Remove US_C_PSFlow from 0% diversion links	
I	*Improvement*	Skip replace values for structures with blank cost functions	
I	*Improvement*	Updated Help Files	
	2022/10/31	**Public Release (Installer Version 6_2022_10_31)**	
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	
	2022/06/30	**Public Release (Installer Version 6_2022_06_30)**	
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)	
	2022/03/31	**Public Release (Installer Version 6_2022_03_31)**	
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	
	2021/11/30	**Public Release (Installer Version 6_2021_11_30)**	
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	
	2021/07/31	**Public Release (Installer Version 6_2021_07_31)**	
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	
	2021/04/30	**Public Release (Installer Version 6_2021_04_30)**	
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	
	2021/02/28	**Public Release (Installer Version 6_2021_02_28)**	

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
	2020/11/30	**Public Release (Installer Version 6_2020_11_30)**
I	*Improvement*	Disable editing of result fields in model tables
I	*Improvement*	Option to abort application shutdown or model closure with unsaved changes
I	*Improvement*	Performance improved for copying data to results storage fields
N	*New Function*	Snap to closest node location for appurtenances
	2020/08/31	**Public Release (Installer Version 6_2020_08_31)**
B	*Bug Fix*	Error when closing last open model
I	*Improvement*	Major improvements in checking for network connection loss with warning system
I	*Improvement*	Improved error checks on selection for topology functions
N	*New Function*	Save multi-layer GIS selection as single database or multiple shape files
	2020/07/31	**Public Release (Installer Version 6_2020_07_31)**
B	*Bug Fix*	Check for invalid field selection in the Label Upstream from Sub-Catchment function
B	*Bug Fix*	New gravity pipe inverts set to 0 instead of kept as empty
B	*Bug Fix*	Exported model reports not loading
I	*Improvement*	WWTW and WWTP types grouped in Model Reports
I	*Improvement*	Option to not overwrite existing values with the Multi-Vlookup
I	*Improvement*	Model Save As (and Selection As) to open in current model directory
I	*Improvement*	Copy common link data to the appurtenance when inserting
N	*New Function*	Global Search to find values in loaded GIS layers
N	*New Function*	Model <> GIS data selection for correlated data
N	*New Function*	Store analysis results for each of the three land use scenarios and enable switching between the result sets
N	*New Function*	Select downstream from multiple selected structures
	2020/05/31	**Public Release (Installer Version 6_2020_05_31)**
I	*Improvement*	Better peformance for flow percentage updating after analysis
I	*Improvement*	Search improvement for the populate from presets form
I	*Improvement*	Update style categorized labels as displayed for Insert Legend
N	*New Function*	Add ESRI map options based on client license
	2020/03/31	**Public Release (Installer Version 6_2020_03_31)**
B	*Bug Fix*	Additional safety measures when trying to Save As existing file has a failure
B	*Bug Fix*	Check all loaded models for all drawing tabs for changes on shutdown
B	*Bug Fix*	Ignore unattached appurtenances not selected when merging model selections
I	*Improvement*	Update connected appurtenances when link code edited
I	*Improvement*	Add appurtenances warnings to system checks
I	*Improvement*	Model zoom option from Model Display Control