

What's New in this Version

This topic lists all the additions and improvements incorporated in ICMLive® Operator Client 2023.2 which were not available in previous versions.



Overlapping roughness zones for clip meshing

A new **Priority** field has been added to the roughness zone properties, which determines the priority of roughness when zones overlap. The overlapping part of the zone with the lowest priority value will have precedence over a zone with a higher priority value. When the mesh is generated, using the clip meshing method, the software now assigns roughness for the overlapping parts of zones based on priority.

See the example included [Roughness Zone Data Fields \(InfoWorks\)](#) and [Roughness Zone Data Fields \(SWMM\)](#) for further information.



Ground model theme improvements

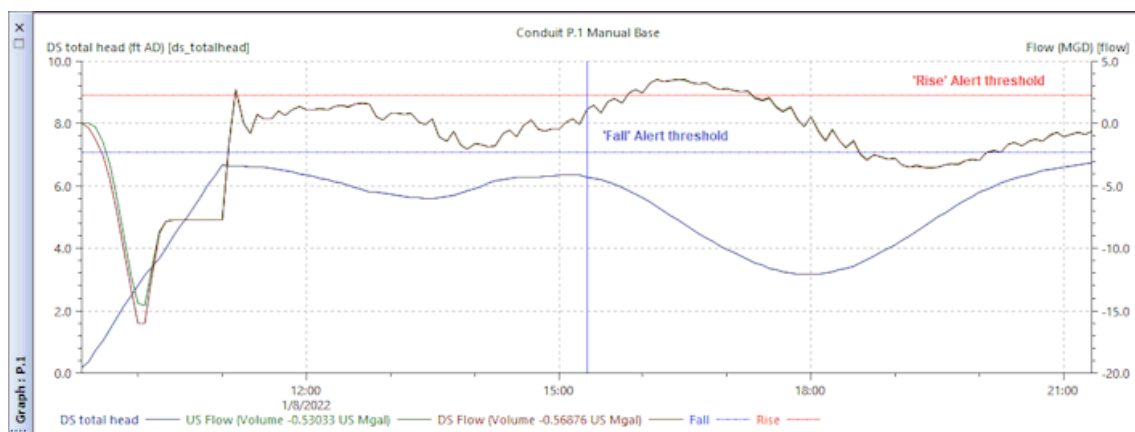
To provide a more convenient way to update the range of elevations displayed on the GeoPlan, the layer theme editor for ground models has been updated to include a new Value Range section. This section includes a **Restrict range** box, that when checked, lets you restrict the range of values, displayed in the **Value** column in the Ranged Themes grid, to the values specified in the **Min** and **Max** boxes.

In addition, the **Value count** in the in Ranged Themes grid for a ground model theme is now editable. This lets you type in the number of values allowed for the range, providing an alternative to using the **Plus** and **Minus** buttons ( ) , to add or remove values within the range. When you increase or decrease the number of values allowed, the values displayed in the **Value** column are automatically calculated according to the distribution type that has been selected.

See [Displaying a Ground Model on the GeoPlan](#) for further information.

Graph trace colours for Alert definitions

If a **Graph trace** colour was included in an alert definition list in ICMLive Configuration Manager, the alert [threshold](#) will now be displayed with the selected colour when you use the Graph () tool in the [Results toolbar](#) in ICMLive Operator Client. Similarly, if any custom graphs were set up in ICMLive Configuration Manager for data that the alert applies to, and these custom graphs were included in the manifest that was deployed from ICMLive Configuration Manager, the alert threshold will now be displayed with the selected colour when you use the Custom Graph () tool in the [Results toolbar](#) in the Operator Client.



If an alert triggers an email to be sent, and its action list (defined in ICMLive Configuration Manager) included a custom graph, the selected Graph trace colour will also be used for the alert threshold in the graph included in the email.

CNSWMM runoff volume model for InfoWorks subcatchments

A new runoff volume model - CNSWMM - is now available for InfoWorks subcatchments. This model is based on the SWMM (Storm Water Management Model) Curve Number infiltration model developed by the US Environment Protection Agency (EPA).

In order to use this model, a new option **CNSWMM** has been added to the **Runoff volume type** field for a [runoff surface](#). Runoff surfaces are associated with [land use](#) objects. Only one runoff surface whose **Runoff volume type** is set to **CNSWMM** may be associated with a single land use object, and a land use that has one runoff surface whose **Runoff volume type** is set to **CNSWMM** can only be associated with other runoff surfaces with a **Runoff volume type** set to **Fixed**.

To use the CNSWMM runoff volume model in a simulation, you must specify a **Curve number** and a **Drying time** for the relevant subcatchment. Drying time is a new property for a [subcatchment](#) and it is only available if a land use, which is associated with the subcatchment, has one runoff surface whose **Runoff volume type** is set to **CNSWMM**.