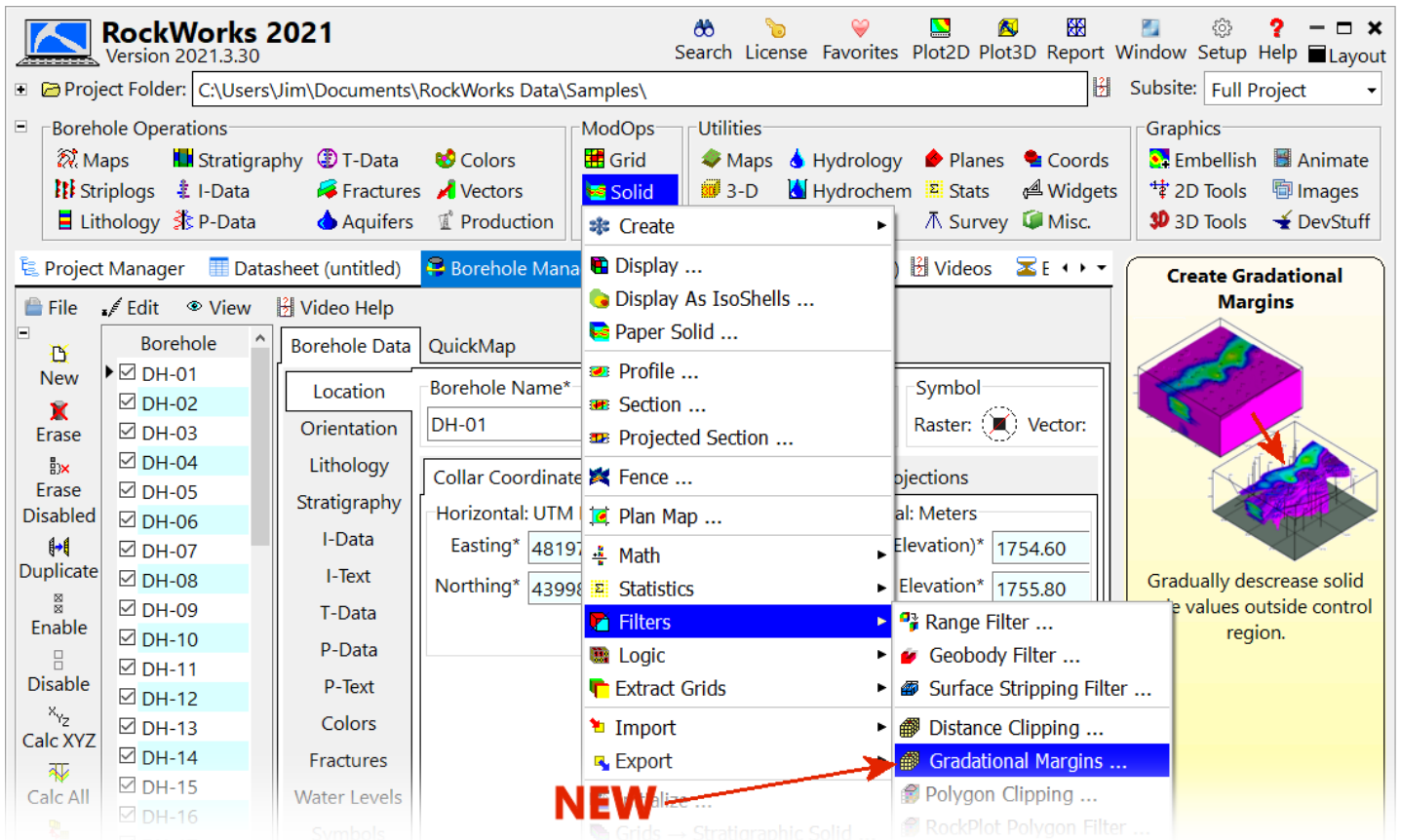
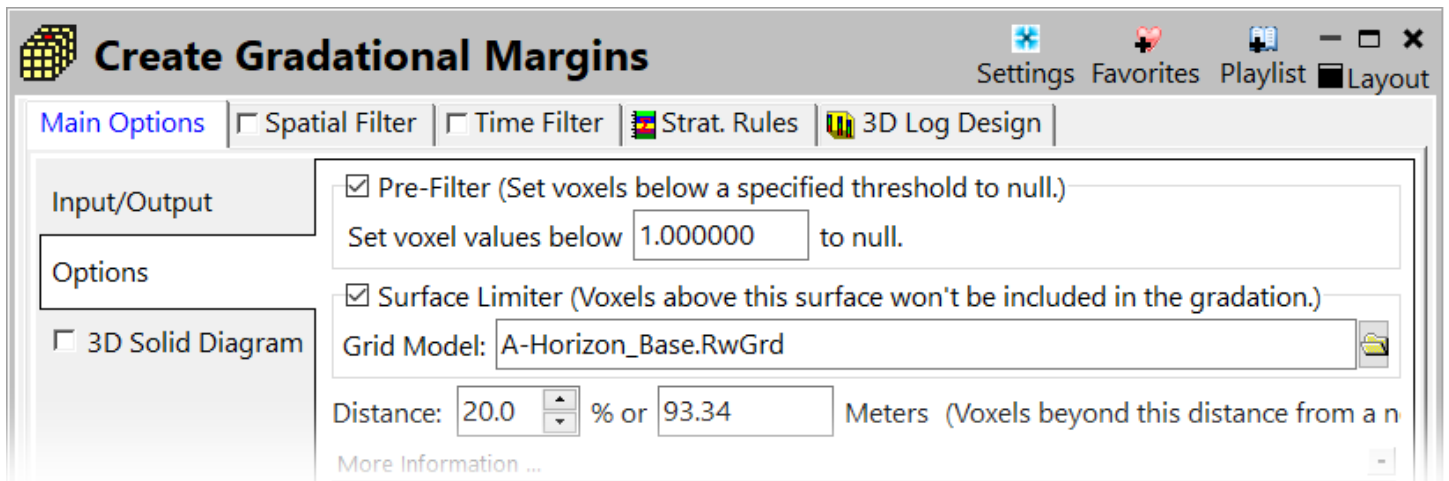


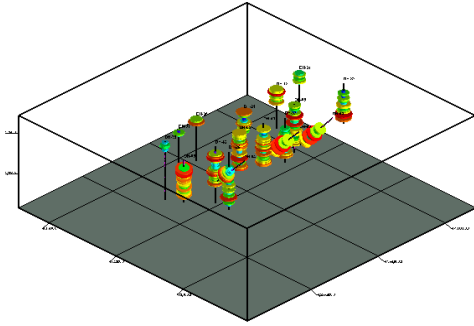
RW21/04/02/21/JPR – NEW: A new program titled “Gradational Margins” has been added to the Solid / Filters sub-menu.



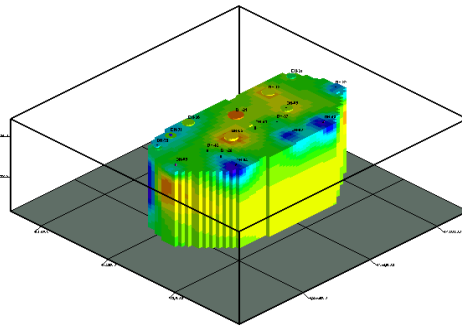
The gradational filter redefines the null nodes outside a clipped region by computing the distance to the closest defined node and multiplying the g-value for the closest defined node by a scalar based on the distance to that node. For example, if the closest distance from a null node to a non-null node is very small, the null node will be reassigned a value that is very close to the closest defined node. Conversely, as the distance increases, the reassigned value will decrease.



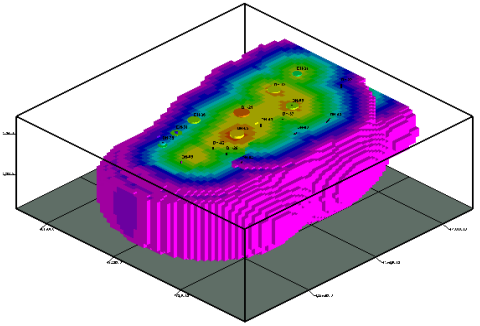
**Boreholes
Selectively Drilled
Into Highest Concentrations**



**Model Clipped With
Convex Hull**

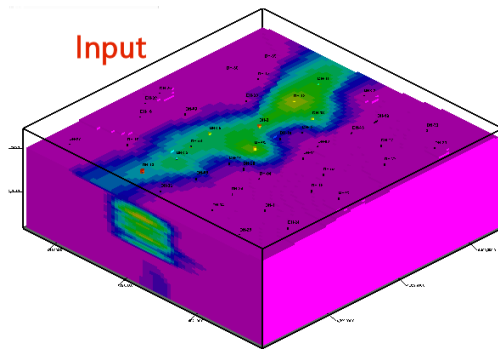


**Gradationally Filtered
Model**

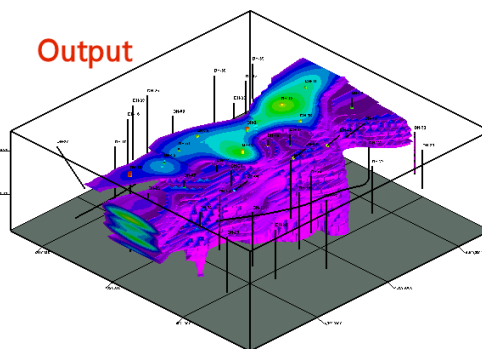


Pre-Filtering: If desired, node values below a specified threshold can be set to null before the gradational filtering takes place.

Input

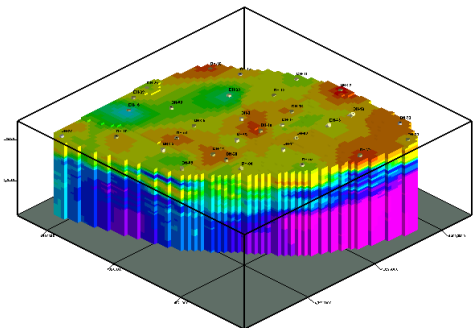


Output

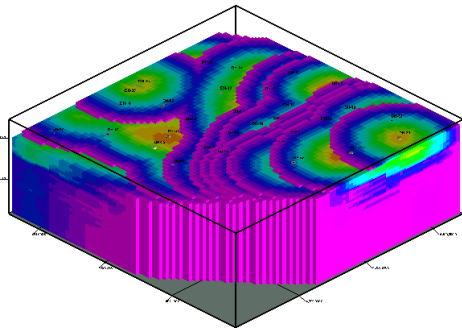


Surface Limiter: When gradationally smoothing models that have been clipped by an upper surface, the same surface must be used to constrain the smoothing. Otherwise, the gradations will be projected above the truncation surface (center diagram shown below).

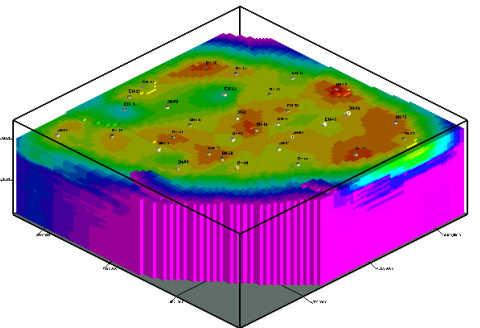
**Initial
Surface-Truncated
Model**



**Gradationally-Filtered
Model w/o
Truncation Grid**

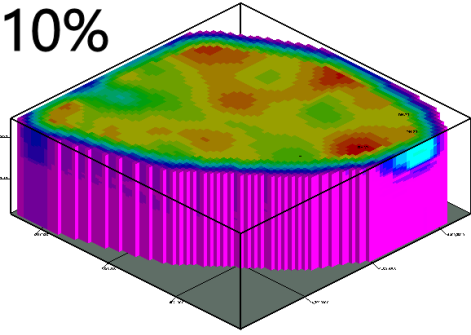


**Gradationally-Filtered
Model with
Truncation Grid**

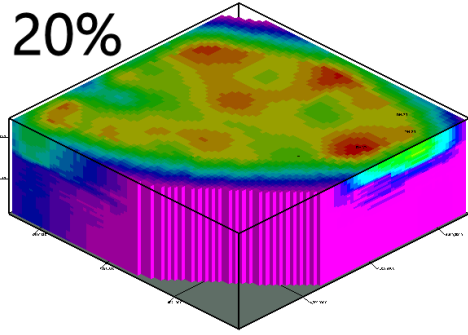


Distance: This setting defines the lateral width of the gradation.

10%



20%



30%

