GEOVIA

3DEXPERIENCE

WHAT'S NEW IN GEOVIA WHITTLE 2027



GEOVIA Whittle 2027 brings a new, modern 3D visualization experience, with surface import to compare surfaces and designs against the block model. It is a preview of the changes coming to Whittle in upcoming releases. This release also adds greater control to define the cost of exclusion-zone polygons, along with several support fixes.

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NEW FEATURES

3D Visualization

Review and interrogate your data in a modern, high-performance 3D environment built for today's block models. The rebuilt Three-D Viewer runs on a new WebGPU engine that renders large models smoothly and responsively, moving well beyond the limits of the older Java 3D display.

Filter the model by pit and period, and cut through it with section and plan views to focus on the coordinates that you want to study. A color legend keeps grades and attributes readable at a glance, while block property review lets you select any block and inspect all of its block-model attributes in detail.

You can also import temporal surfaces (SDM is the preferred and fastest format, with DXF and OMF also supported) to verify topography, evaluate pit shells, and compare pushback and period designs directly against the block model, so strategic decisions are grounded in what you can see.

The classic Java 3D viewer remains available whenever you prefer it.

Where to find it: Preferences form, Engines tab, Visualisation engine: choose the new WebGPU Three-D Viewer or classic Java 3D.

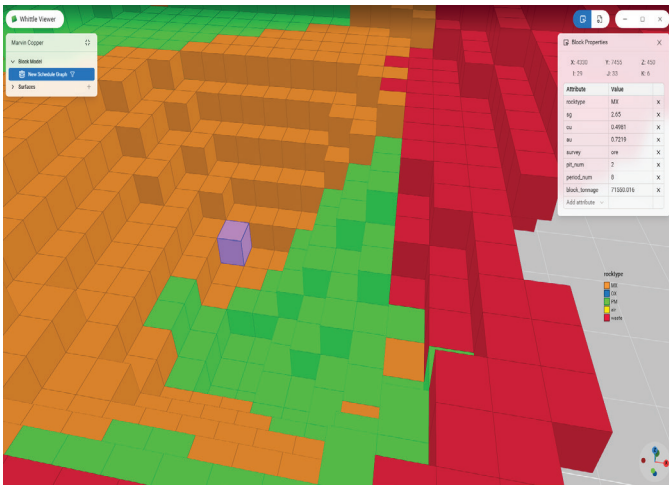


Fig 1: Select and review block attributes

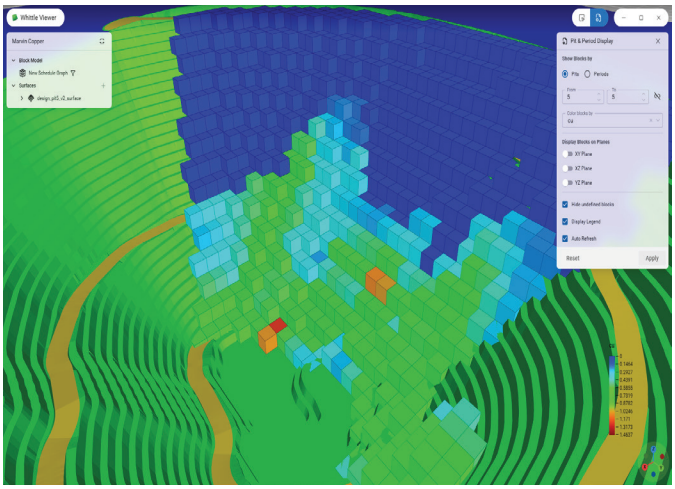
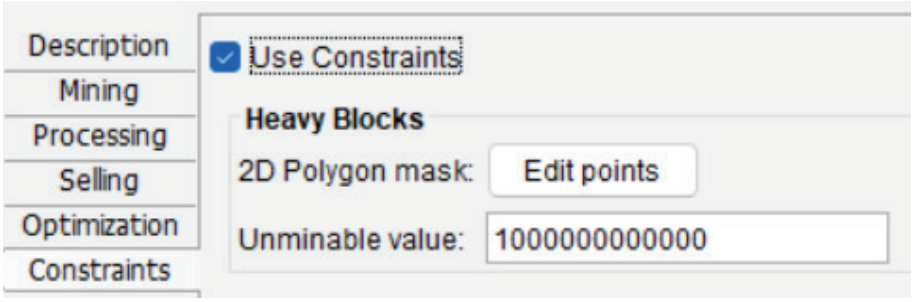


Fig 2: Visualization of block model with imported pit design.

Customizable cost for exclusion zones

Greater control over how exclusion zones behave in optimization. When polygons are used as exclusion zones, you can now define the cost to remove them through a new Unminable value, a feasible threshold cost that must be paid to mine through a polygon. This stabilizes FastFlow results when heavy blocks are involved and lets you tune exclusion-zone behavior to match your plan.



Where to find it: Constraints tab, Unminable value field.

FIXES & SUPPORT

Merge pit shells from different projects

You can now merge pit shells that come from different projects even when they carry different attributes and expressions, so you can combine and compare results without rebuilding them.

Where to find it: Available when merging pit shells; sources with differing attributes and expressions are now accepted.

Complete block centroid surface exports

Cleaner, complete surface exports. Triangles at the topography intersection that were previously dropped when exporting block centroid surfaces are now included, so the exported surface is accurate.

Where to find it: Automatic when exporting block centroid surfaces.

Correct surface alignment in Surpac

Surfaces land where they should downstream. We corrected a half-block offset that shifted exported surfaces in Surpac, so geometry aligns without manual adjustment.

Where to find it: Automatic when exporting surfaces to Surpac.

More forgiving surface import

Strict validation no longer stops you: when a surface is invalid, Whittle shows a warning and still completes the import, so you keep moving.

Where to find it: Automatic on surface import; a warning appears for invalid surfaces.

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