

**OVERVIEW:** Whittle is a suite of strategic mine planning tools designed for professional mine planners. There is a growing range of modules which can be added to Whittle, further increasing its performance and utility.

### THE MILAWA ALGORITHM® MODULE

The Milawa Algorithm® module adds a new dimension to life-of-mine scheduling. It optimises the schedule, taking into account all your production and economic constraints, while seeking to maximise NPV. Alternatively, it can be used to “balance” your schedule, by seeking to maximise the utilisation of available mining and processing capacity.

The Milawa Algorithm® is a proprietary algorithm which schedules the mining of each pushback over the life of the mine. It responds to all production constraints, price and cost models within Whittle and also provides additional controls over the schedule.

### WHAT IT CAN DO

Milawa optimises the schedule, determining which benches in each push back should be mined in each period. It obeys all push-back precedence rules and in addition, the user can control the mining of each pushback by setting the following parameters:

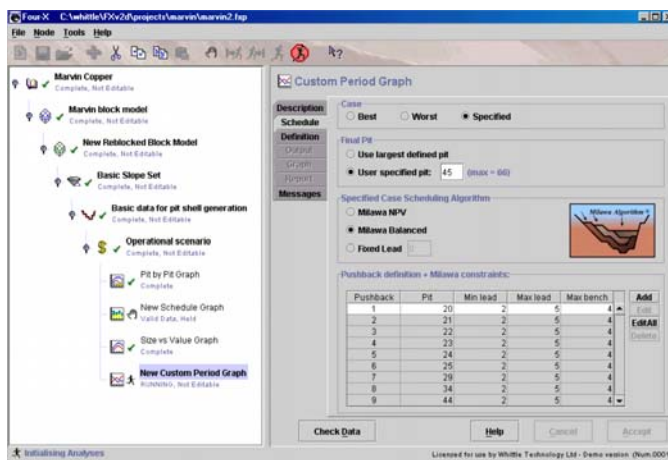
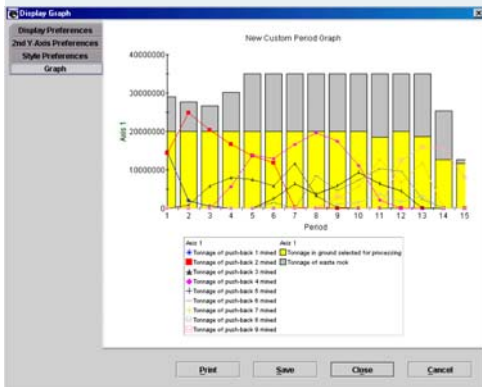
- Minimum and maximum lead (separation in benches from the adjacent pushback).
- Maximum vertical advance per period.

Like all production constraints in Whittle, the Milawa controls can be changed from one period to the next, giving maximum control over the process.

Schedules can be viewed period by period as a 3D animation using Whittle’s interactive viewer, and the mining sequence can be exported to a Generalised Mining Package for merging with the original block model.

### MODULAR AND SCALABLE

Milawa is just one of a growing range of advanced modules that can be added to the Foundation architecture of Whittle. This scalable approach allows the Whittle strategic mine planning suite to adapt and evolve with individual user requirements. A whole new range of mine planning analysis possibilities is now available to mine planning professionals.



To find out more about how your operation can benefit from Whittle Milawa, contact us at [info@gemcomsoftware.com](mailto:info@gemcomsoftware.com), or visit our web site at [www.gemcomsoftware.com](http://www.gemcomsoftware.com).