PROMINE
MINING & SURVEYING SOFTWARE

RELEASE NOTES

info@promine.com

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Release Notes 2023.01

This document contains the descriptions of new commands and improvements that are included in the 2023.01 version of Promine. These are valid from the release of the version the February 6, 2023.

Table of Contents

New Feature

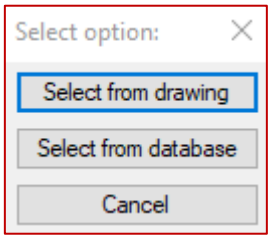
Module: Water Management

WATER – Erase Water flow

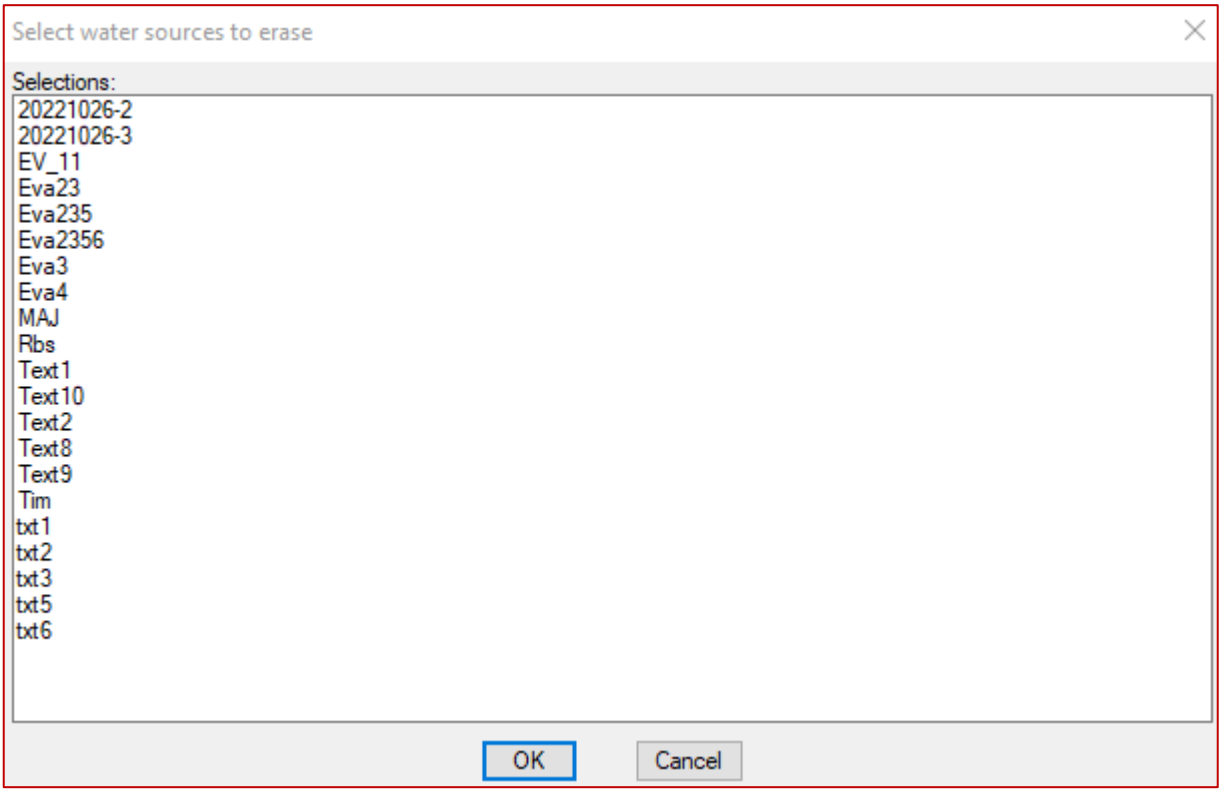
A new command was added to the module to erase waterflows from databases. It will erase every entry for a specific water source in the database and the block in the active drawing, if the water source was present.

Steps to follow:

1. Select the command WATER
2. The following window will appear:



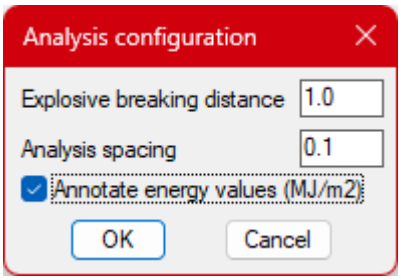
3. 2 selection options are given:
    a. “Select from drawing”: the user can select one or multiple blocks in the drawing. All selected blocks and their corresponding entries in the database will be erased.
    b. “Select from database”: the user gets presented with a list of all names of sources in the database and can select one or multiple water sources to be erased, as in the image below. If the same water source is also in the drawing the corresponding block will be erased to.



Module: Drift Drilling and Blasting

DDBEN – Energy Analysis

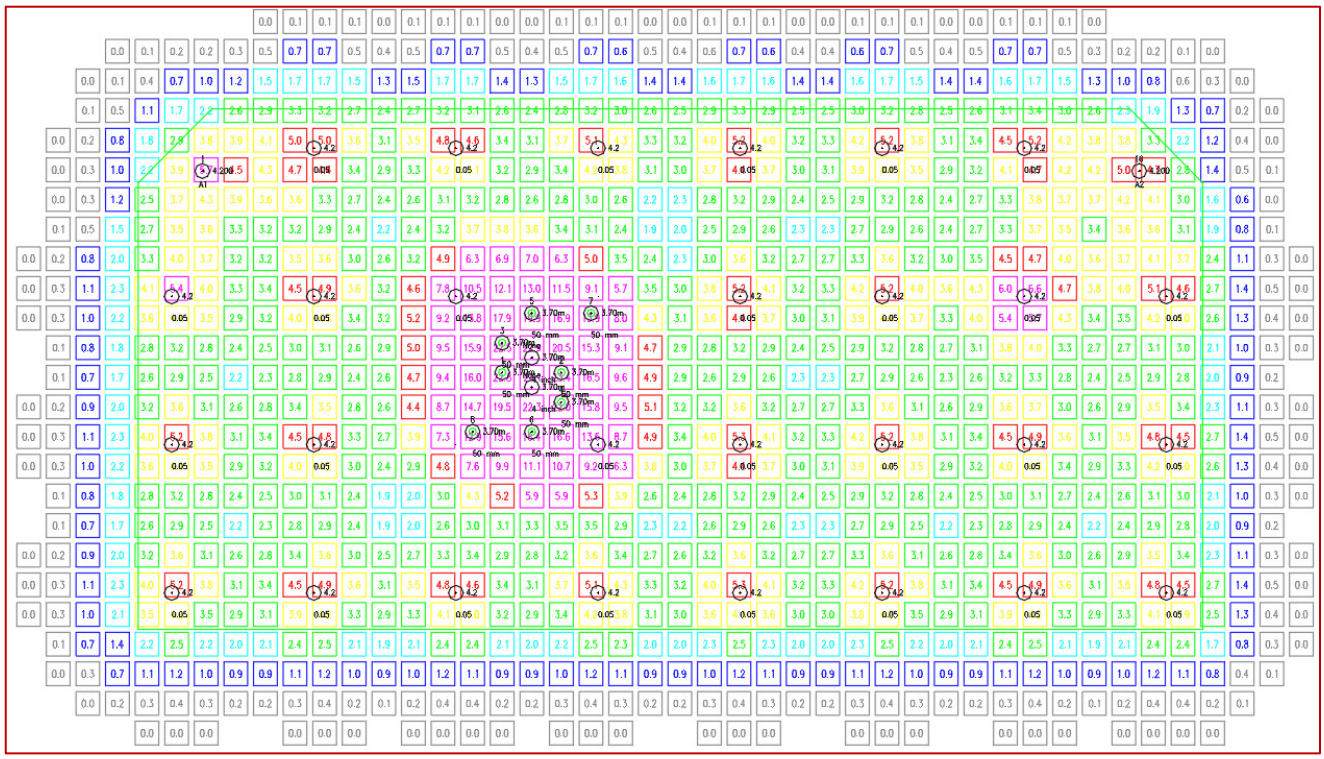
A new command was added to insert an energy analysis for the loaded holes. The command can be used in plan or section view. When starting the command, the user selects the holes to include in the analysis. Once this is done, a dialog box displays the options related to the analysis:



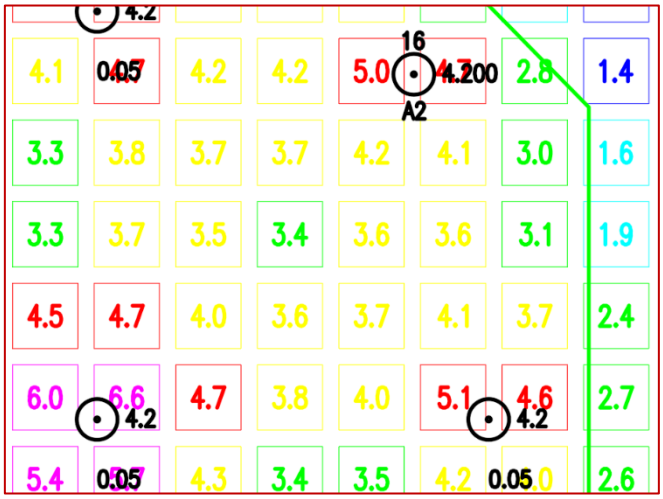
Explosive breaking distance: is how far the explosive breaks the rock, usually a value close to the maximum spacing of the holes is a good guess of this value.
Analysis spacing: is the spacing between the points where the energy is estimated.
Annotate: the value computed can be annotated, if finer details on the analysis are wanted.

The result will be computed considering the diameter of the hole, density and RWS of the explosive in the hole.

Typical result will be like this:



Of course, the cut area is overloaded with energy. A hole in the upper right corner is loaded with a more energetic explosive which makes this part more “red”. The color scale is adjusted according to each blast. The green part is within 80% to 120% of the average value of all the blocks computed. Close up view of the analysis showing up the annotations:



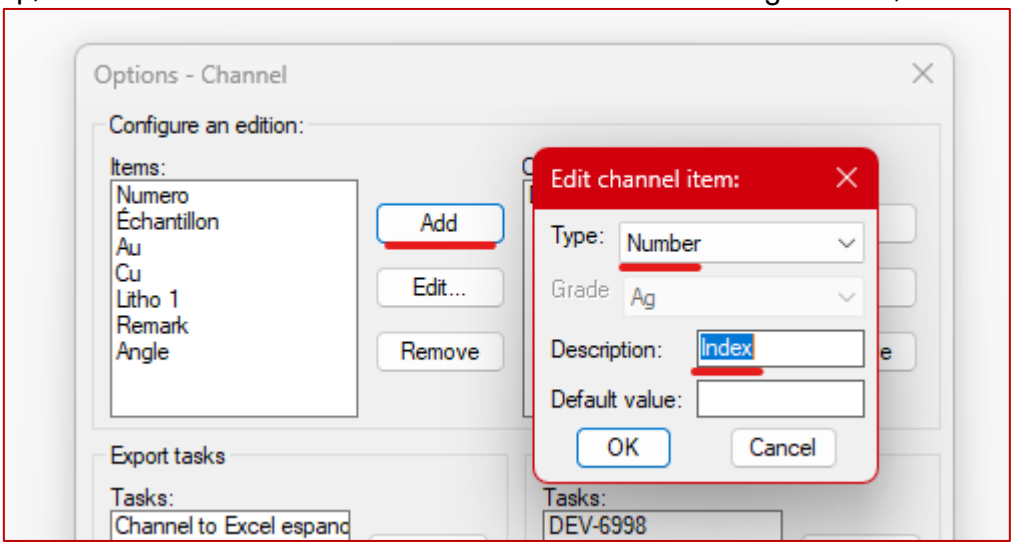
DDBEN – Erase Analysis

A new command was added to erase inserted energy analyses with 2 clicks.
Once an analysis was added, just select the erase command, and select an item of the analysis. This will erase the full analysis.

Module: Diamond Drill holes

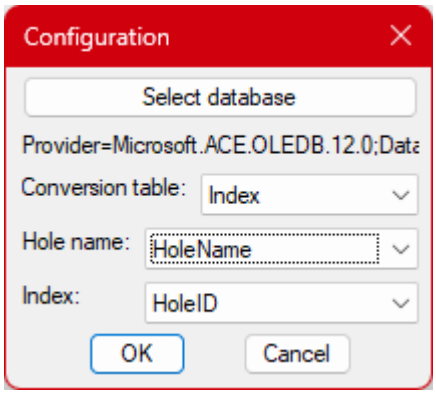
DDHCHAII – Add index to channel

It is now possible to insert an index number that is associated with the channel to the sample items of a channel.
For the setup, the user has to add a new item to their channel configurations, as seen below:

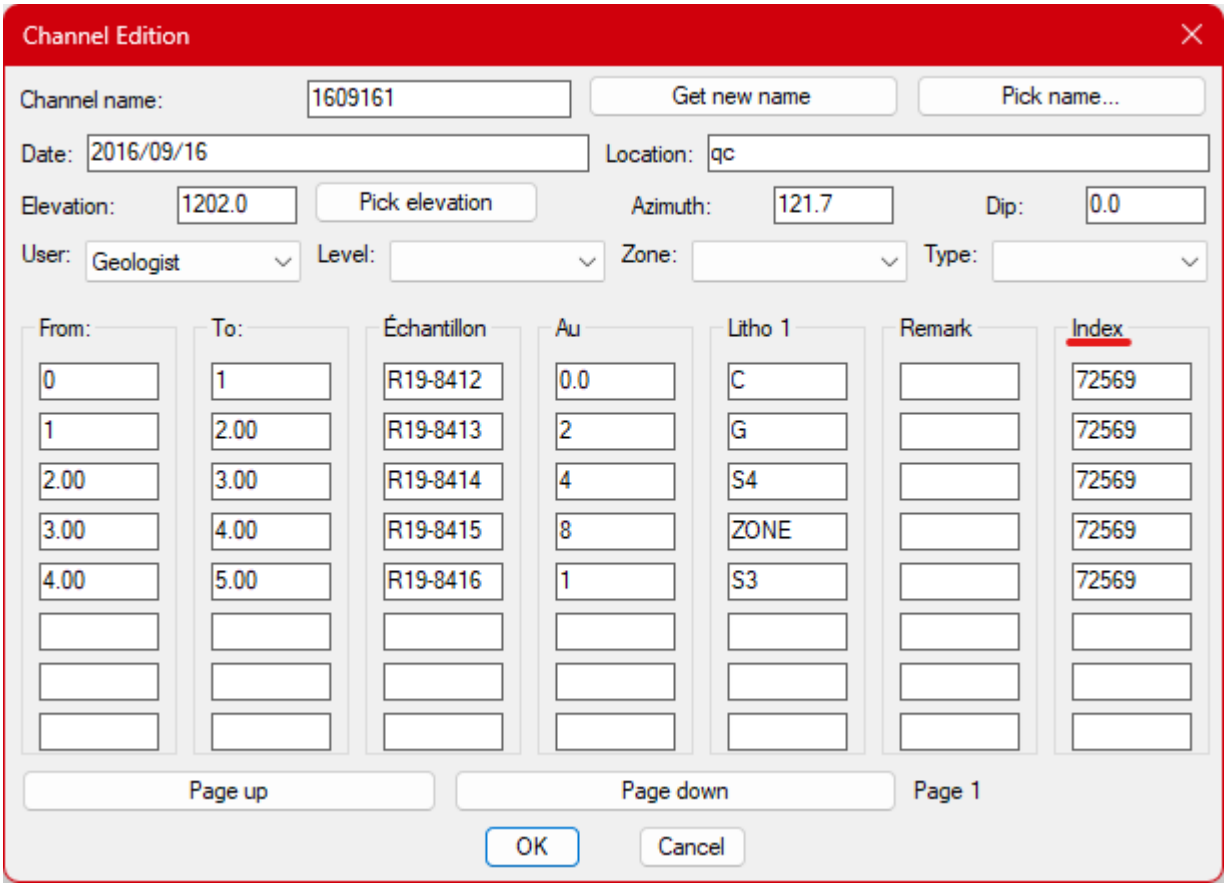


Steps to follow:

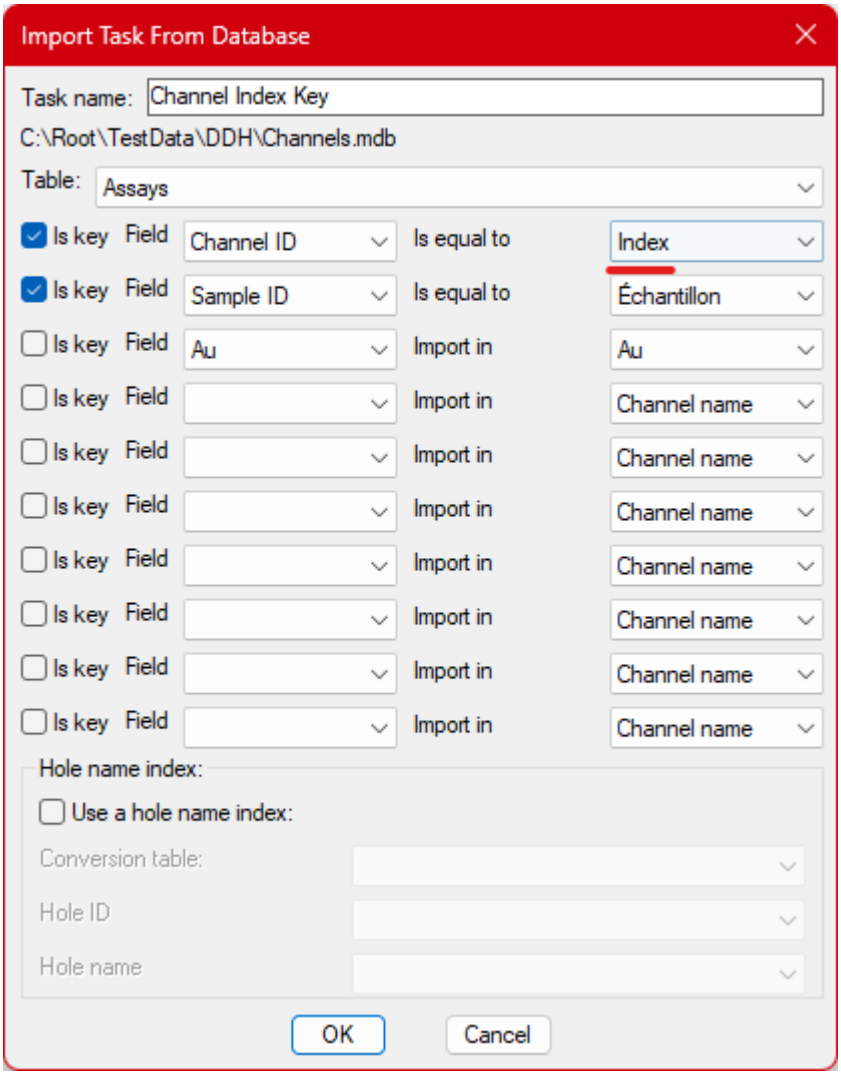
1. Select the command
2. Select the channels
3. Setup the database configuration with hole name and index



4. The new field will appear when editing the channels



5. Import and Export tasks can now use that field.

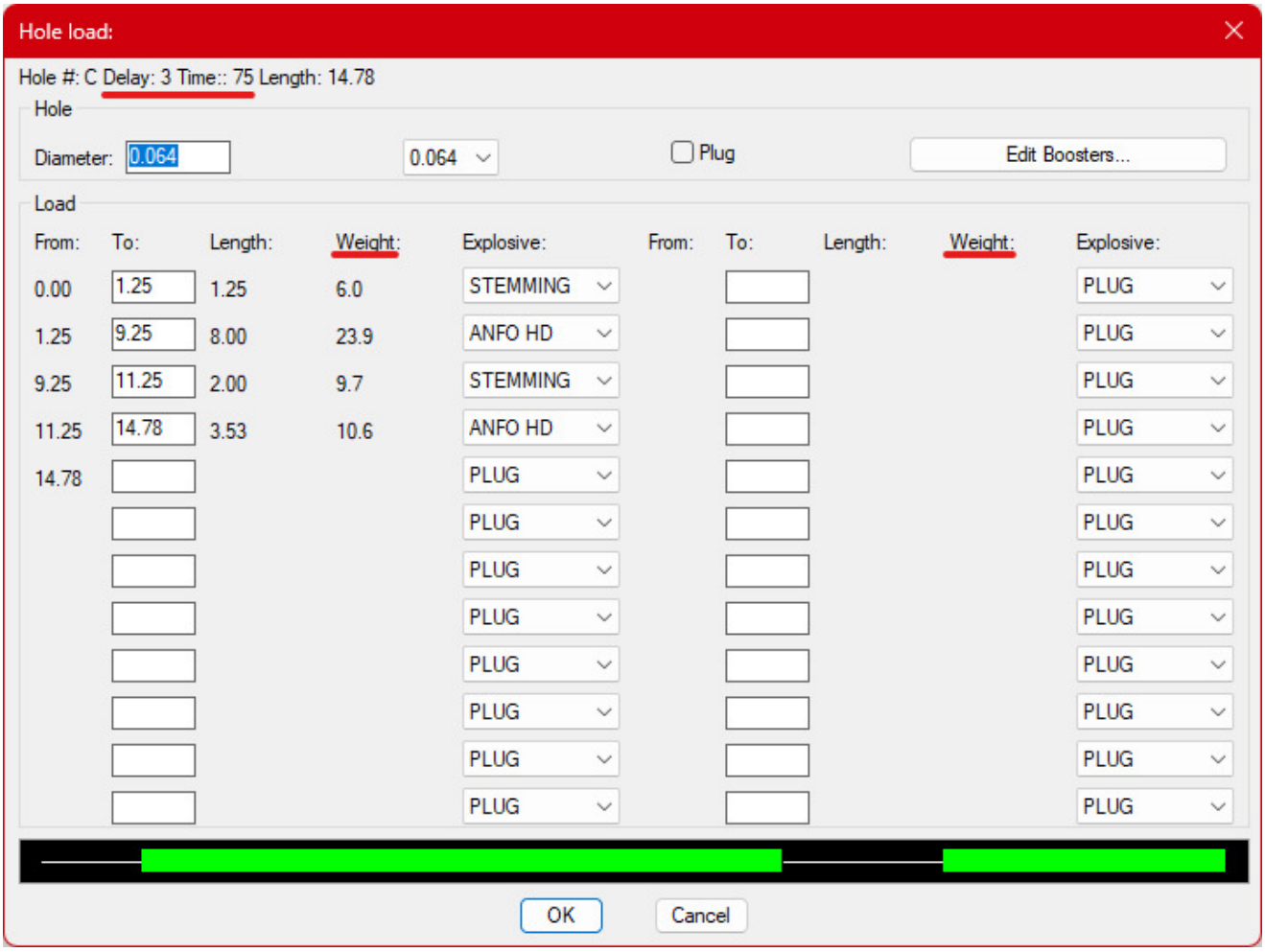

Import Task From Database
Task name: Channel Index Key
C:\Root\TestData\DDH\Channels.mdb
Table: Assays
Is key Field Channel ID Is equal to Index
Is key Field Sample ID Is equal to Échantillon
Is key Field Au Import in Au
Is key Field Import in Channel name
Is key Field Import in Channel name
Is key Field Import in Channel name
Is key Field Import in Channel name
Is key Field Import in Channel name
Is key Field Import in Channel name
Is key Field Import in Channel name
Hole name index:
Use a hole name index:
Conversion table:
Hole ID
Hole name
OK
Cancel

Improvements

Module: Drill and Blast Underground

DRIEE – Edit Explosive

A new column with the explosive weight has been added to the command window.

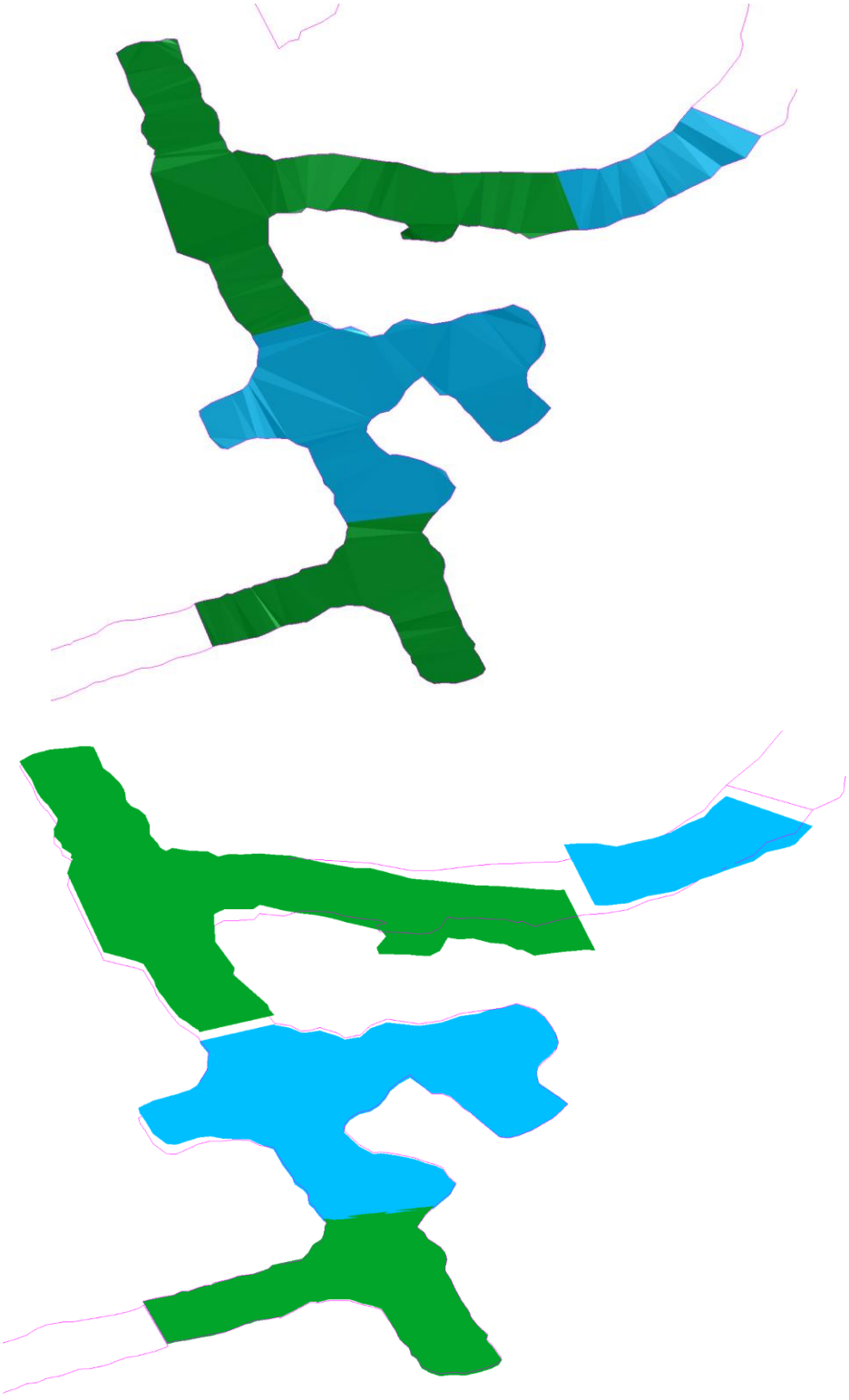


Please note that the “Edit Booster” button has been moved to the top right of the window.

Module: Rock Mechanics

RKMQ / RKMRMR – Insert RMR or Q value

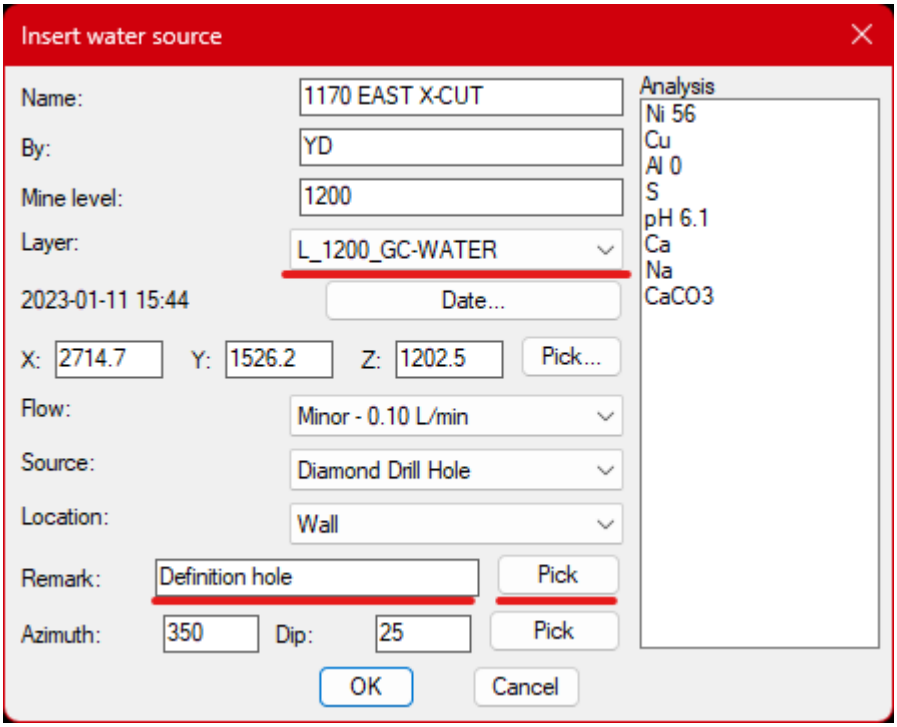
A new option was added to insert surfaces instead of hatches. Surfaces are able to follow a 3D polylines incline, while hatches are inserted at the median elevation of the polyline.
In the following the first example shows surfaces in an upward ramp, the second one hatches.



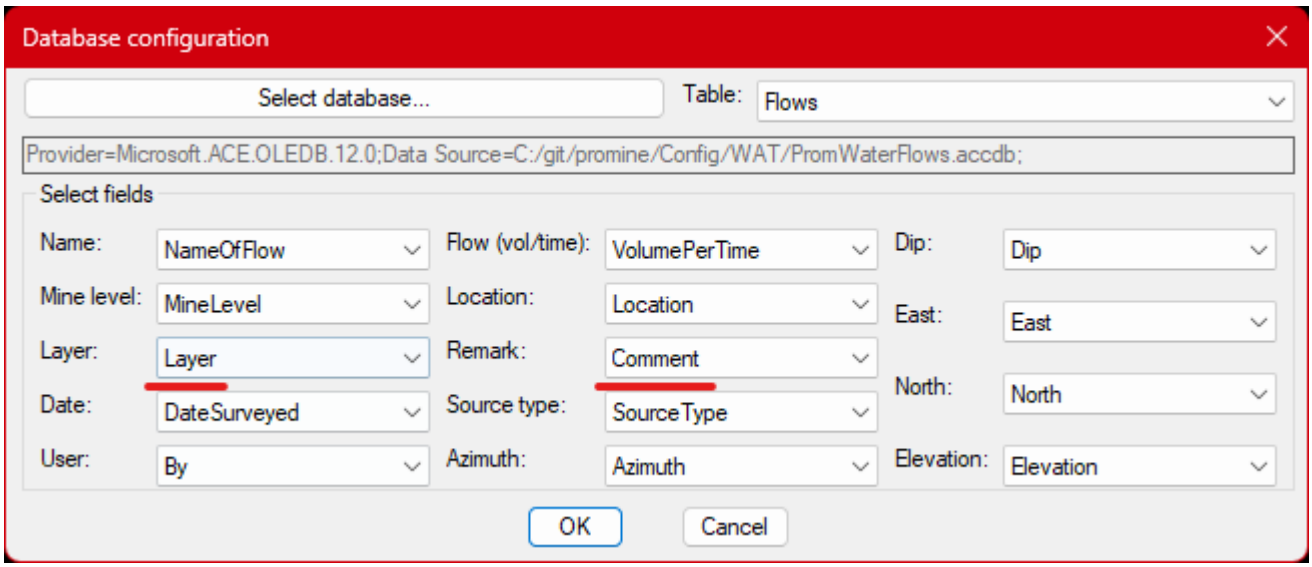
Module: Water Management

WATI – Insert Water flow

2 new features were added to the command to be able to store more details about the water sources.



It is now possible to add the layer on which the water source can be found.
Additionally, it is possible to add a remark. The remark is a text item that can be text, both objects of type TEXT and MTEXT will work for this.
To export the new information changes, must be made in the options of the module in the database configuration.


Database configuration
Select database...
Table:
Flows
Provider=Microsoft.ACE.OLEDB.12.0;Data Source=C:/git/promine/Config/WAT/PromWaterFlows.accdb;
Select fields
Name:
NameOfFlow
Flow (vol/time):
VolumePerTime
Dip:
Dip
Mine level:
MineLevel
Location:
Location
East:
East
Layer:
Layer
Remark:
Comment
North:
North
Date:
DateSurveyed
Source type:
SourceType
User:
By
Azimuth:
Azimuth
Elevation:
Elevation
OK
Cancel