



# RELEASE NOTES

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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**.

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# New Feature

## Module: Water Management

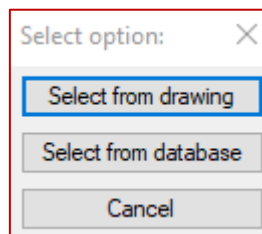


### WATER – Erase Water flow

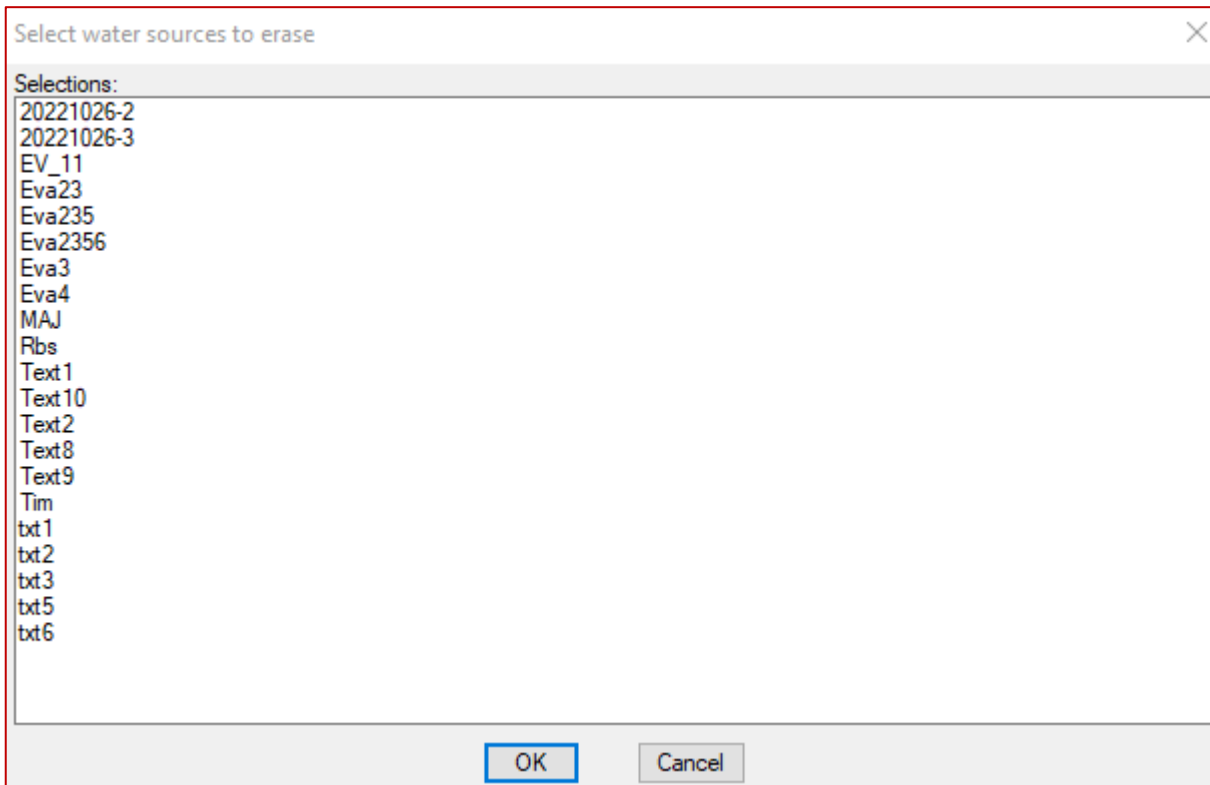
A new command was added to the module to erase waterflows from databases. It will erase every entry for a specific water source in the database and the block in the active drawing, if the water source was present.

Steps to follow:

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



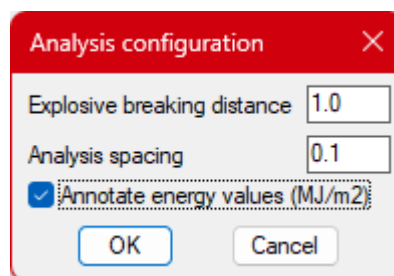
3. 2 selection options are given:
  - a. "Select from drawing": the user can select one or multiple blocks in the drawing. All selected blocks and their corresponding entries in the database will be erased.
  - b. "Select from database": the user gets presented with a list of all names of sources in 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:



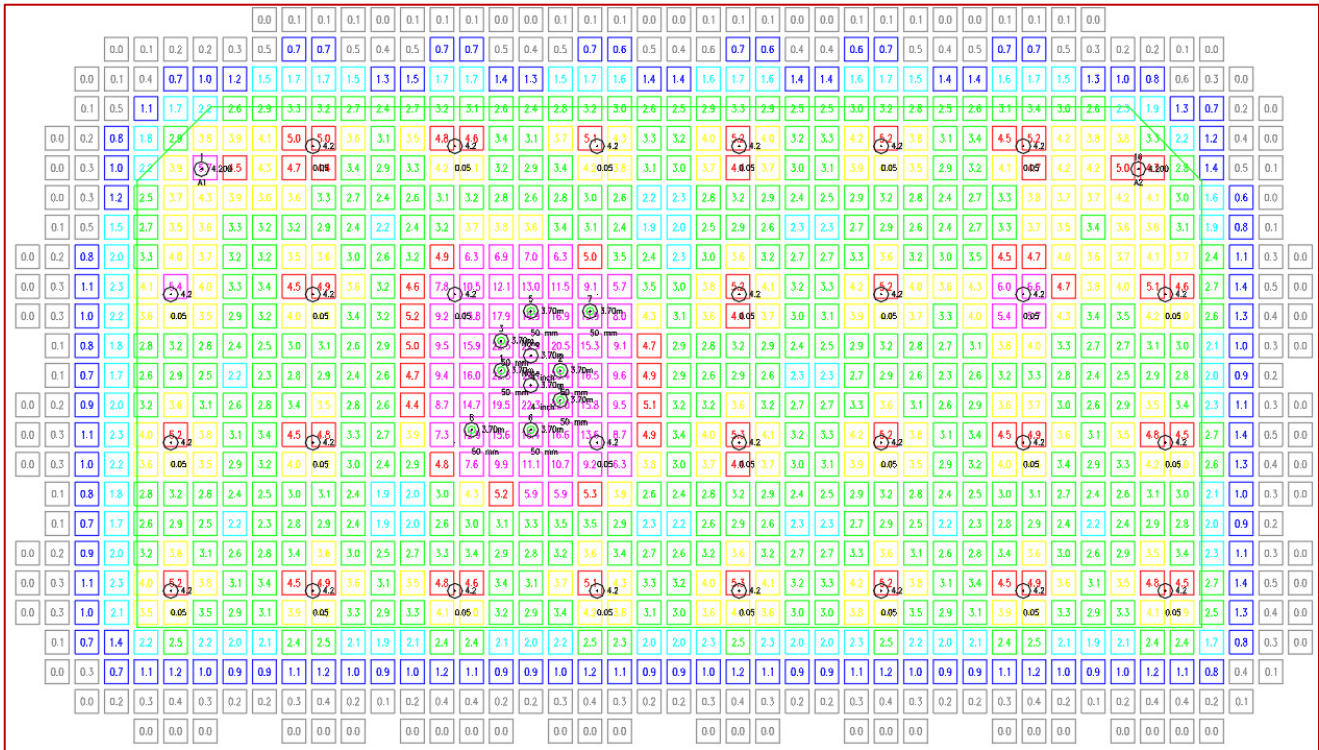
**Explosive breaking distance:** is how far the explosive breaks the rock, usually a value close to the maximum spacing of the holes is a good guess of this value.

**Analysis spacing:** is the spacing between the points where the energy is estimated.

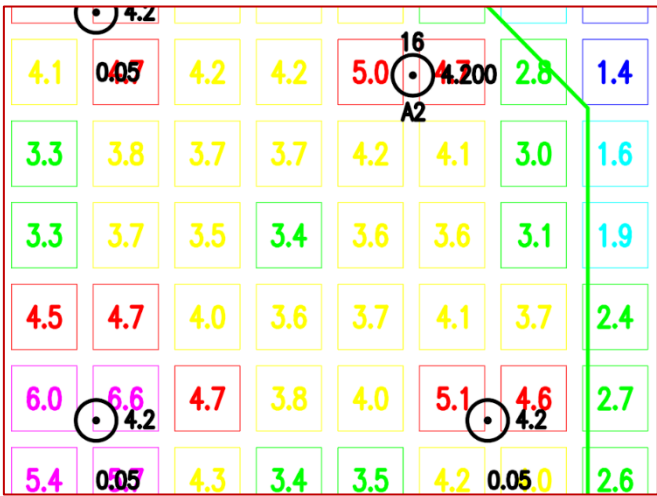
**Annotate:** the value computed can be annotated, if finer details on the analysis are wanted.

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

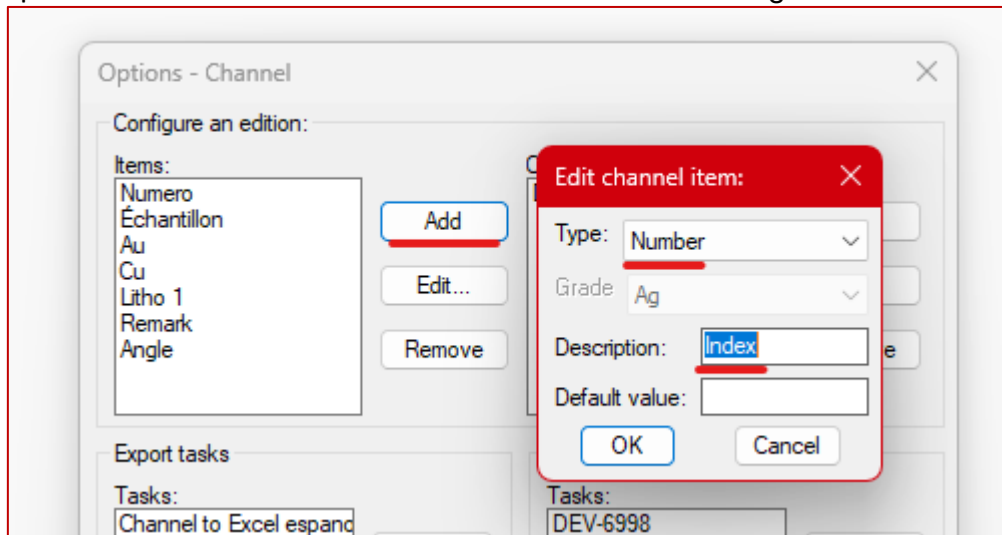
A new command was added to erase inserted energy analyses with 2 clicks. Once an analysis was added, just select the erase command, and select an item of the analysis. This will erase the full analysis.

## Module: Diamond Drill holes

### DDHCHAI – Add index to channel

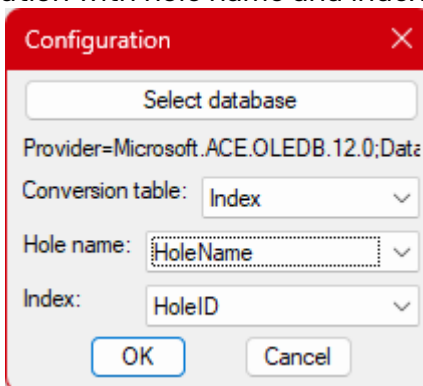
It is now possible to insert an index number that is associated with the channel to the sample items of a channel.

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

Channel Edition

Channel name:
1609161
Get new name
Pick name...

Date:
2016/09/16
Location:
qc

Elevation:
1202.0
Pick elevation
Azimuth:
121.7
Dip:
0.0

User:
Geologist
Level:
Zone:
Type:

From:	To:	Échantillon	Au	Litho 1	Remark	Index
0	1	R19-8412	0.0	C		72569
1	2.00	R19-8413	2	G		72569
2.00	3.00	R19-8414	4	S4		72569
3.00	4.00	R19-8415	8	ZONE		72569
4.00	5.00	R19-8416	1	S3		72569

Page up
Page down
Page 1

OK
Cancel

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.

Hole load:

Hole #:

C

Delay:

3

Time::

75

Length:

14.78

Hole

Diameter:

0.064

0.064

☐ Plug

Edit Boosters...

Load

From:	To:	Length:	Weight:	Explosive:	From:	To:	Length:	Weight:	Explosive:
0.00	1.25	1.25	6.0	STEMMING					PLUG
1.25	9.25	8.00	23.9	ANFO HD					PLUG
9.25	11.25	2.00	9.7	STEMMING					PLUG
11.25	14.78	3.53	10.6	ANFO HD					PLUG
14.78				PLUG					PLUG
				PLUG					PLUG
				PLUG					PLUG
				PLUG					PLUG
				PLUG					PLUG
				PLUG					PLUG
				PLUG					PLUG
				PLUG					PLUG
				PLUG					PLUG
				PLUG					PLUG
				PLUG					PLUG

OK

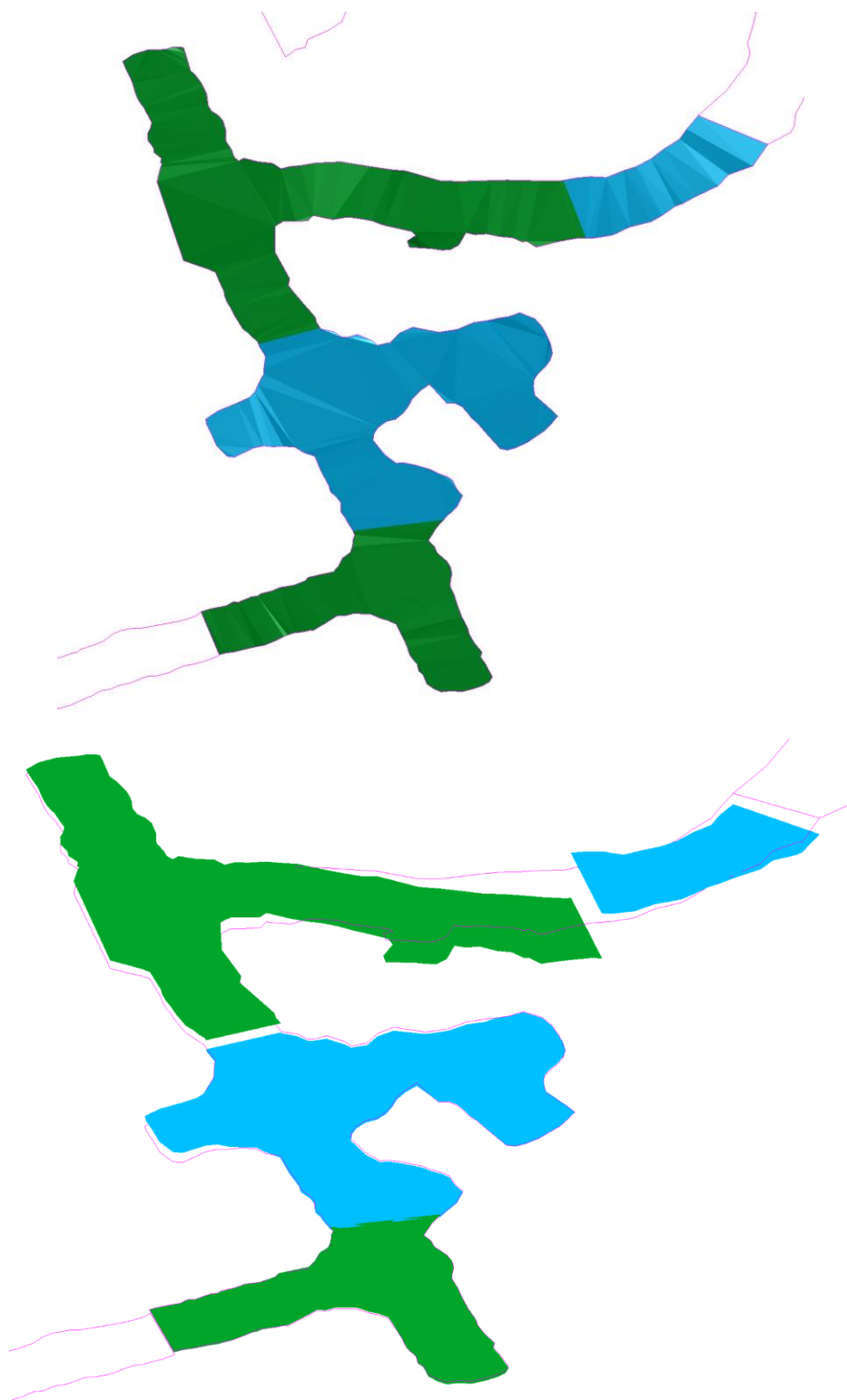
Cancel

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.

**Insert water source**

Name: 1170 EAST X-CUT

By: YD

Mine level: 1200

Layer: L\_1200\_GC-WATER

2023-01-11 15:44 Date...

X: 2714.7 Y: 1526.2 Z: 1202.5 Pick...

Flow: Minor - 0.10 L/min

Source: Diamond Drill Hole

Location: Wall

Remark: Definition hole Pick

Azimuth: 350 Dip: 25 Pick

OK Cancel

**Analysis**

- Ni 56
- Cu
- Al 0
- S
- pH 6.1
- Ca
- Na
- CaCO3

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:	Source Type	Elevation:	Elevation
User:	By	Azimuth:	Azimuth		

OK

Cancel