



MAXAM's DILUTION CONTROL SERVICE is designed to help customers control the dilution of valuable ore with waste. During blasting, it is common to blast ore and waste together. However it is desirable to minimize mixing waste and ore. MAXAM's Technical Applications (TAP) Group helps customers plan and execute blasts that minimize dilution. Customers can significantly reduce processing costs by reducing dilution on the bench.

APPLICATIONS

✕	Metallic mining (gold and other)
✕	Quarrying and special rocks

BENEFITS

Economic consequences in ore recovery improvement affect revenue in metallic mining:

- ✕ Control and track Ore grade and Waste quality.
- ✕ Optimize drilling and blasting.
- ✕ Model and predict ore body and waste movement of each blast.
- ✕ Optimize excavation of ore and waste to reduce costs.
- ✕ Save costs by detecting and correcting deviations to muckpile grade immediately.

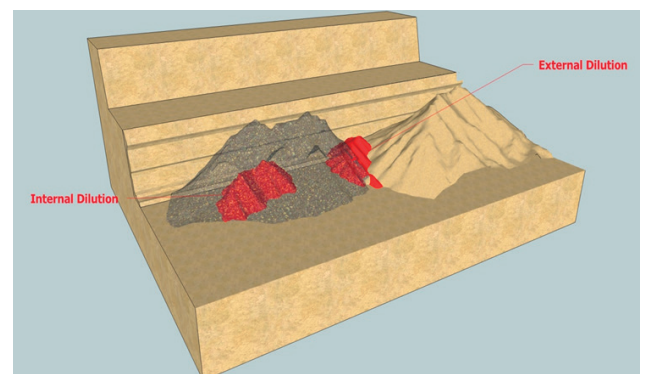
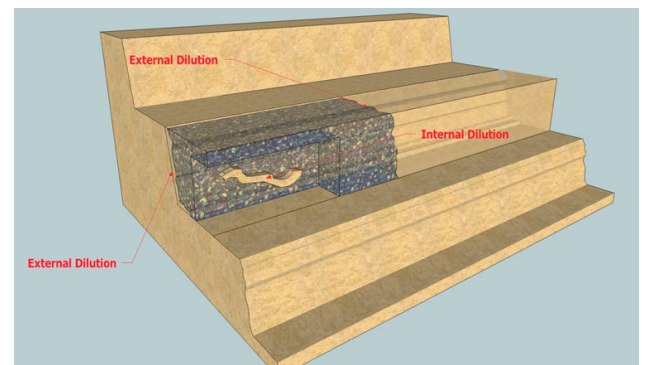
EQUIPMENT

As a special technical Service, the complexity of calculations requires a set of measurements to be done before, during and after the blasting process.

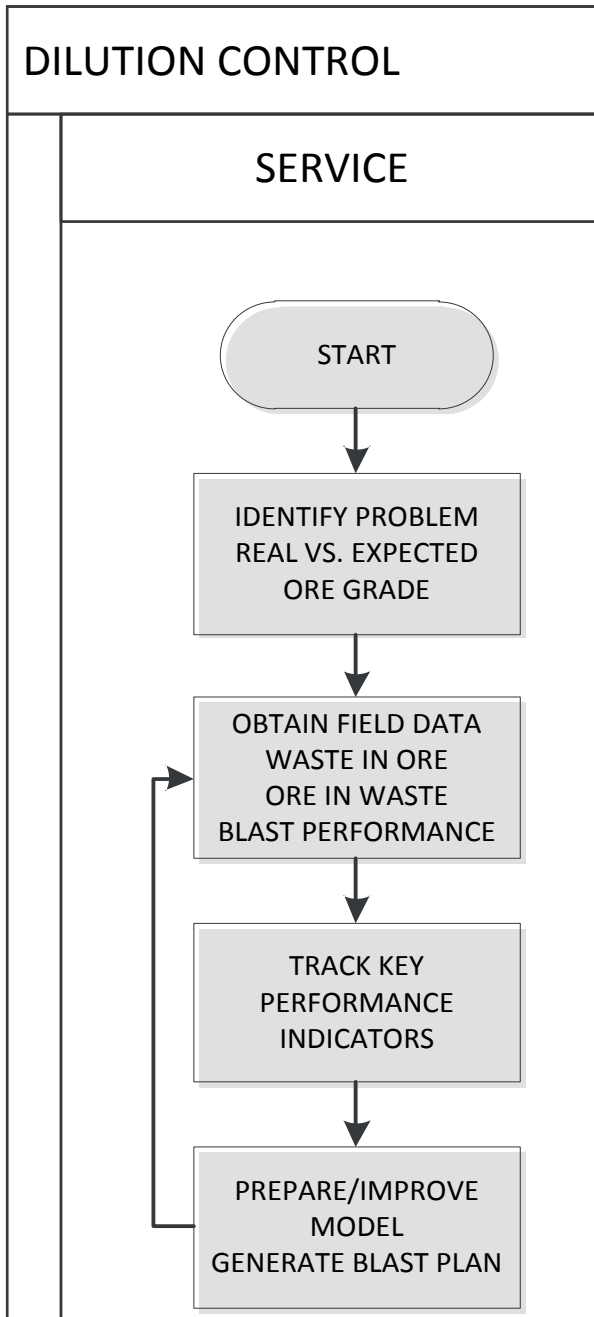
Rock properties, geometry, muckpile movement are controlled with electronic devices such as laser profile, high speed camera, etc...

MAXAM's experienced technicians use state-of-the-art technologies and tools and MAXAM's global expert network to design and implement long term DILUTION CONTROL operations anywhere in the world.

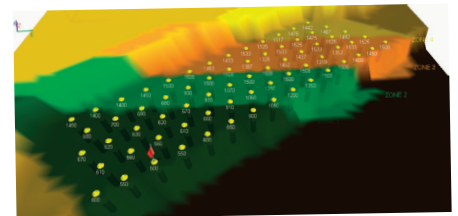
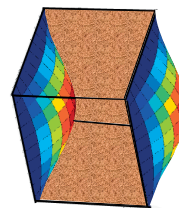
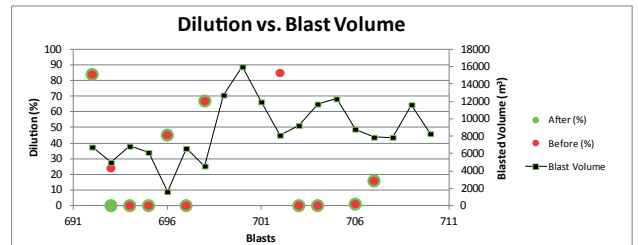
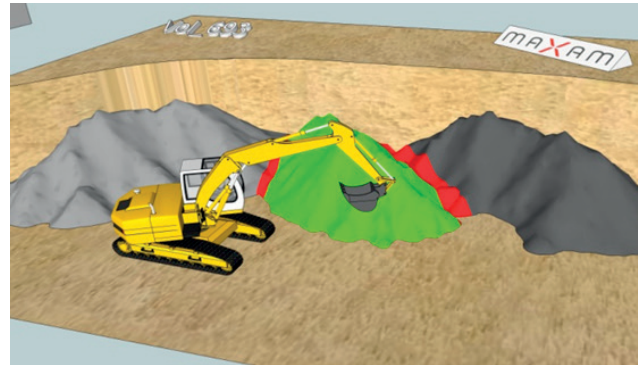
MAXAM experts partner with customer's technicians to study, model and implement a comprehensive DILUTION measurement and tracking plan. By combining advanced mathematical modelling and field data, the service enables the mine to minimize dilution, saving postblast processing costs and minimizing losses of ore in waste material.



METHODOLOGY



Call MAXAM to explore how to add value to the mine cycle by improving safety, reducing environmental impact, reducing costs and increasing transparency



All blasts are recorded; grade and fragmentation is measured for each blast.

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version 1.0 January 2016