

Case study

Characterizing Pre-mine Groundwater Conditions

Groundwater characterised using Willowstick aiding mine planning

Willowstick was used to characterise extensive groundwater regimes for pre-mine planning. The Willowstick technique enabled the client to rapidly assess large areas providing information for permitting, operation and assessing the impacts of the mine.

Groundwater characterisation in a remote location

The potential mine was situated in a remote location and covered an extensive area. Using the traditional approach of drilling numerous boreholes would have been logistically challenging and very costly.

As a result Willowstick was employed enabling the groundwater to be characterised non-obtrusively with minimal equipment and rapidly cover large areas.

Significant preferential flow paths located in less than 6 weeks

The Willowstick investigation identified multiple discrete yet interconnected flow paths through the survey area.

The surveys identified both the location and the depth of these groundwater flow paths providing the client with intelligence they could use in permitting, planning and community relations efforts.



The time from the start of fieldwork to the delivery of the report was less than six weeks. This brought significant time savings compared to alternative techniques bringing large cost savings to the client.

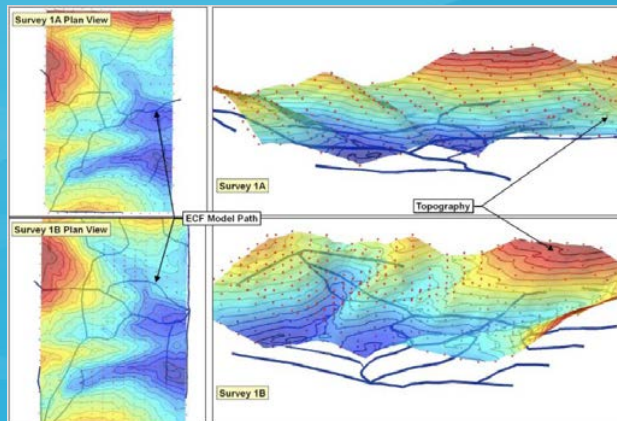


Image of the modelled flow paths