

# CAPTURE / MANIPULATION OF UNDERGROUND DATA

## Backs, Wall and Face Mapping

Capturing lithology and structural data by digitizing or using digital photographic images is done in full 3D with attributes of strike and dip.

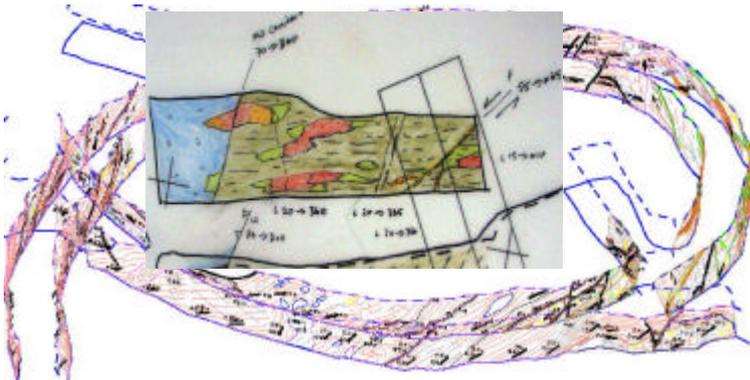
The resulting "intelligent" data is output as ASCII string files which conform with site legends, string numbers and standards. CAD quality plans also available.

This process can be applied to walls, faces and backs of any shape/orientation - even curved decline walls.

### Benefits:

1. True 3D intelligent data with strike and dip provides better understanding of the geometry controlling the orebody to assist modelling and interpretation - generally leads to better targeting.
2. A permanent digital record of mapping even after stripping or development extensions mean walls or faces no longer exist.
3. 3D structural data is obtained for analysis and engineering to help minimise dilution, maximise recovery and reduce unit cost.
4. Maps do not have to leave site for capture of data - when using a digital camera.
  - An added bonus is a digital backup of on-site geological mapping.
6. Limited time required by on-site staff enabling them to focus on day to day production issues.

You map, we capture and supply 3D data ready to use.



### Standard service offerings

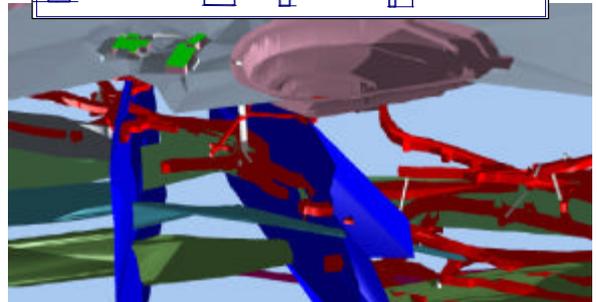
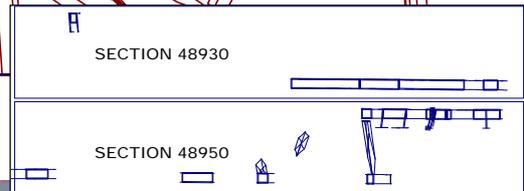
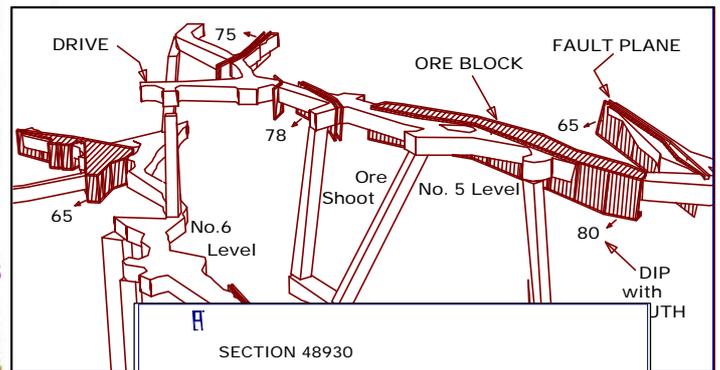
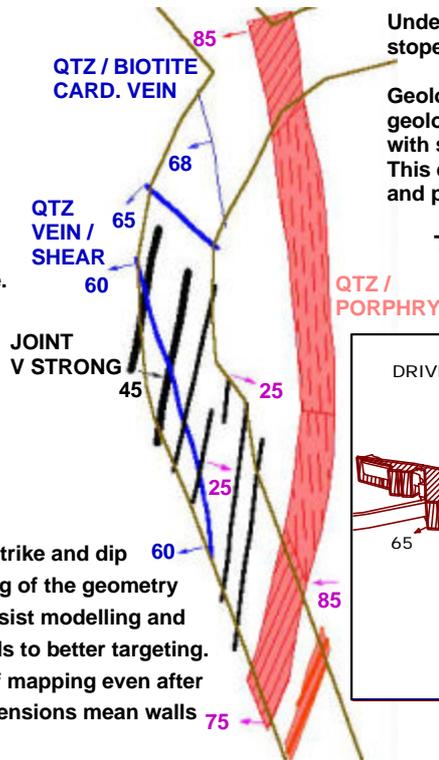
- Drillhole data collation, processing, manipulation and plotting.
- Calculation of sectional and polygonal reserves.
- Database compilation and adjustment of graphical and other data sets.
- CAD quality drawings, maps and presentation data.

## Underground capture/manipulation

Underground survey data correction/adjustment for drives, stopes and shafts linked between survey stations.

Geological contacts and ore blocks are mapped with attached geological attributes of strike and dip. These are then projected with surfaces along strike and down dip for specified distances. This enable automatic creation of sections through your geology and provides confirmation of intersections with distant features.

This is an interpretation tool which enhances the identification of optimum mining strategies.



### Interfaces:

Software interfaces talk intelligently to most other systems :-

AS2482	DATAMINE	DXF
GEMCOM	HPGL	IGES
MAPINFO	MICROLYNX	MICROMINE
MINEMAP	MINESITE	SURPAC
VULCAN	WESCOM	WHITTLE

### Experience

- 20 years of providing data, graphical & computational services to resource based industries.
- Additional expertise also available via Associates for Survey, Geology & Engineering projects.

**CAD CAM Solutions Australia Pty. Ltd.**  
**P.O. Box 1042, Subiaco. Western Australia 6904**

Tel: +61 8 9285 1110 Fax: +61 8 9285 1112  
 Contact : Mac Holt  
 email : macholt@solutionsaustralia.com.au