

MAXWELL SOFTWARE WORKSHOP

2-day WORKSHOP AGENDA

Day 1

Introduction to Maxwell (Slideshow)

Extra info

- EMIT Website : Updates, FAQ, Support
- Some size limits, OpenGL
- Preferences

Planning surveys - synthetic modelling

- Creating synthetic Model lines
- Adding geological information (eg 3D DXF's) for viewing
- Primary field
- What-if scenarios
- XYZ, GRDs
- Type curves
- Review & Exercise*

Maxwell Configurations

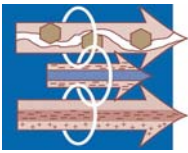
- Important EM attributes
- Units
- Colours, symbols, etc.
- Component directions

Importing data

- DAT & TEM
- Native instrument files
- GDB's
- IP
- HELP - for file formats and valid data fields, columns vs header rows
- Comments & meta data

Interrogating and cleaning up field data

- Nulling, deleting
- Processing options
- Grid/Image options
- Reporting basic statistics
- Review & Exercise*



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Day 2

Modelling using thin plates - FLEM data

Primary Field plots

Review & Exercise

Planning drillholes for testing interpretations

Modelling DHEM data

Review & Exercise

Modelling MLEM & Overburden modelling

Review & Exercise

Modelling Airborne data

Plot point vs TX vs RX

Level vs Elev

Line direction

MCG files

Review & Exercise

Complex waveforms

How to and when to use it

Example of VTEM

Creating profile plots and exporting data

Template files

Single vs multiplots

Auto-text {curly brackets}

Review & Exercise

Ancillary modules - quick demonstration

Emax CDI's

CSIRO modelling