

VLF2DMF

2D Inversion Software for Ground VLF-EM Data

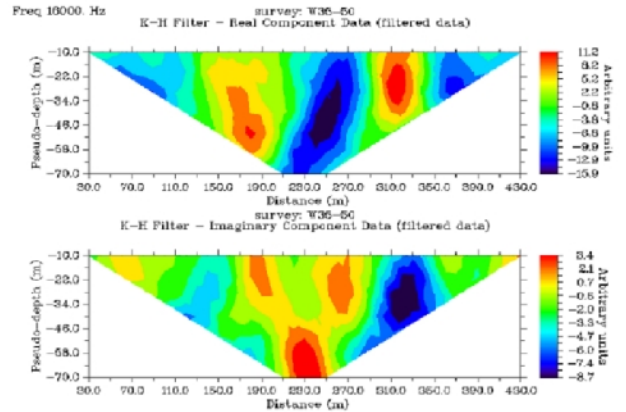
VLF2DMF is a software program for the 2D inversion of multi-frequency VLF-EM (or VLF-R) data. It's based on finite elements and uses the Occam algorithm for inversion of in-phase and out-of-phase data, including the topography.

VLF2DMF includes the traditional Fraser and K-H filtering and a forward modeling that can be used for survey planning or teaching.

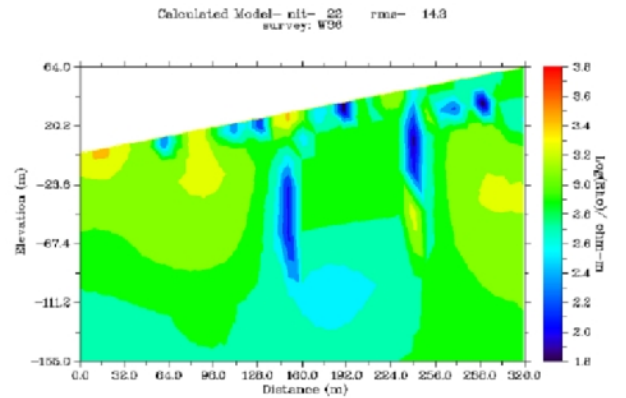
Main features of the software include:

- Processing data (filtering, Empirical Mode Decomposition, Decimation, Interpolation, data edition);
- Fraser and Karous-Hjelt filters;
- 2D Occam inversion of VLF-EM/-R data with topography included;
- 2D forward modeling (model edition);
- Map view of the survey and of the models calculated for the survey lines;
- 3D view of the models;
- Inclusion of wells information;
- Export of all results through ASCII files; and
- KML files of the models.

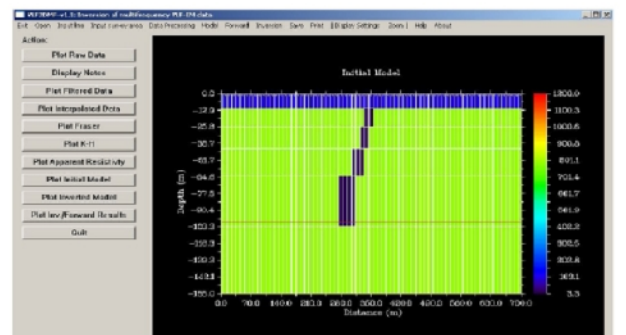
The software is 64-bit and runs on the Windows environment.



Example of Karous-Hjelt Pseudo-Section
(Thanks to S. Parent, Skyline Gold Corporation)



Model Calculated from VLF-EM Data
(Thanks to S. Parent, Skyline Gold Corporation)



Model Construction for Forward Calculations

