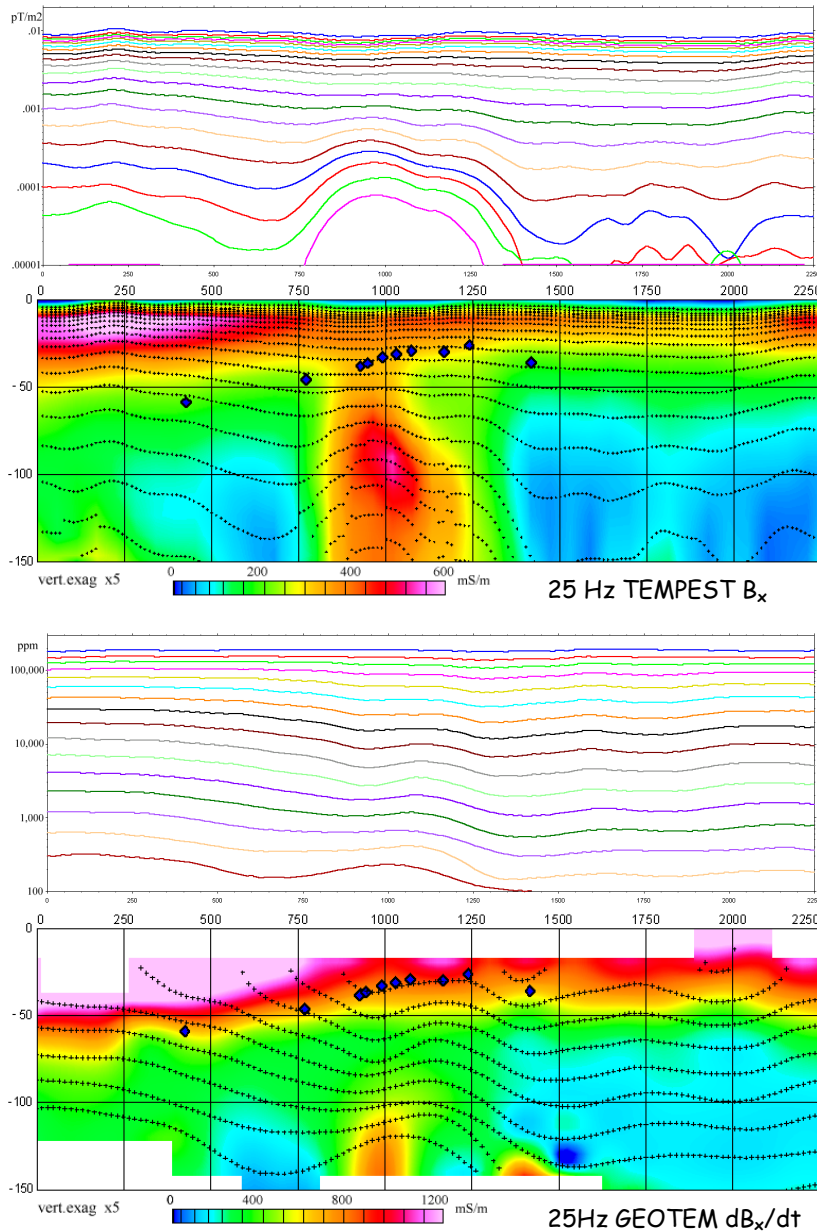


EMAXAIR

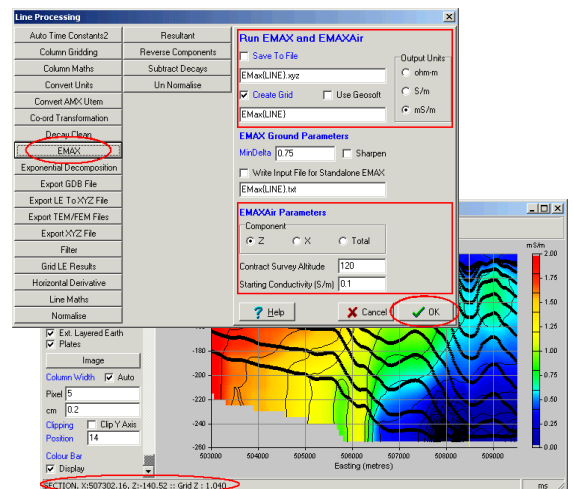


Above : CDI sections for 25Hz TEMPEST B-field and GEOTEM dB/dt x-component data for Bull Creek, northwest Queensland. The two flight lines were close but not coincident. Basement drill hole intercepts (blue diamonds) correlate well with the conductivity gradient inferred by EmaxAIR. Drilling indicates that conductive Palaeozoic overburden is up to 50m thick in places.

EmaxAIR has mapped the depth to bedrock and imaged the buried conductor. These EmaxAIR images may be compared with CDIs produced by Hart & Lane (ASEG 2001 Conference abstract) using the EMflow and ImageCOND algorithms.

Acknowledgements: BHP Minerals Discovery, Quantec Geoscience.

- EmaxAIR is a conductivity-depth (CDI) transformation for airborne TEM data.
- processes data from various platforms:
Geotem
Questem
Hoistem
Skytem
VTEM ... and others
- processes both dB/dt and B-field.
- rapidly converts transient voltage decays from impulse response systems into apparent conductivity versus depth sections, suitable for first-pass interpretation.
- intuitive and simple to use.
- output is ready for loading, gridding and display in pseudosection form using 3rd party software, for example Geosoft.
- runs from the Maxwell EM interpretation interface, or from a simple "DOS" style standalone interface.
- runs on IBM compatible PCs.



Integration with Maxwell (EMIT, Perth, W.Australia)

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