

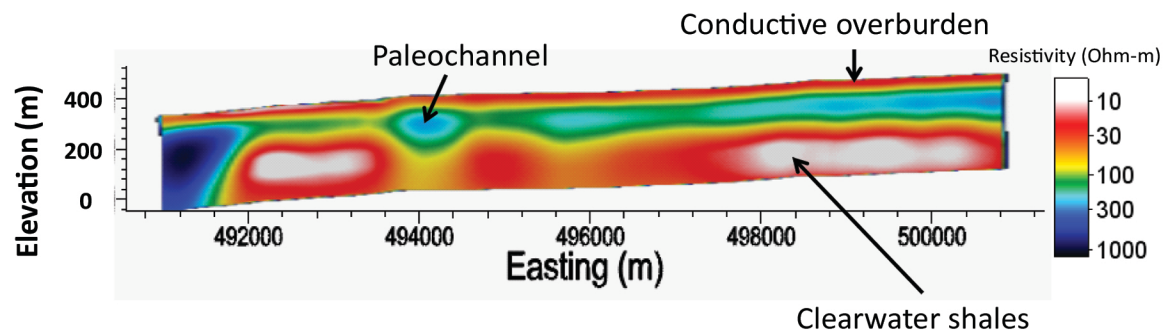
# 3D Airborne Electromagnetic (AEM) Inversion for Oil Sands and Shales

**TechnoImaging®** provides 3D modeling and inversion, interpretation, and consulting services for AEM surveys for oil sands and shales exploration, using our proprietary software **EMVision®**

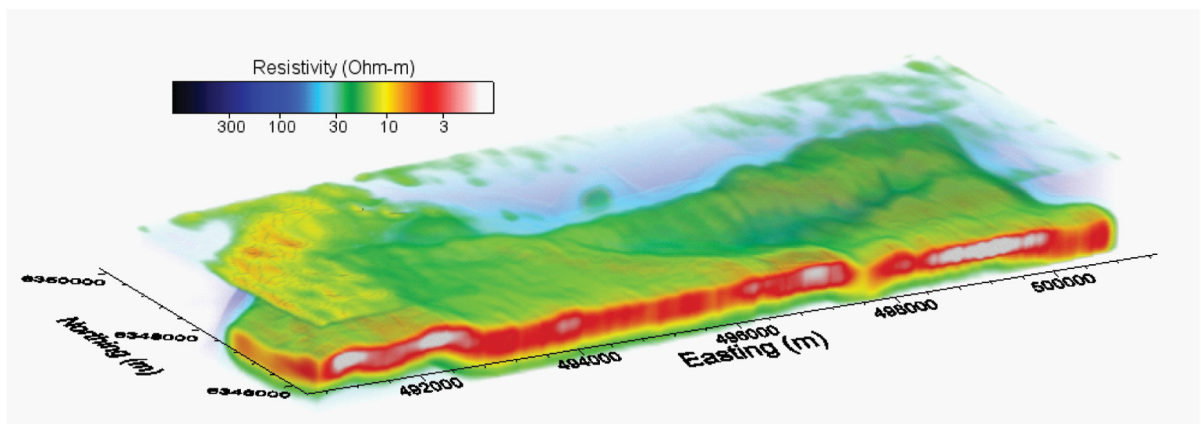
- Airborne electromagnetic surveys provide high spatial resolution and good depth of penetration (up to 500m)
- Effective delineation of geoelectrical structures when data are inverted in 3D
- Excellent for de-risking oil sand and shale exploration and appraisals
- Non-invasive, and much less expensive than seismic acquisition

## Case Study: Ft. McMurray, Canada

Data courtesy of Aeroquest



Cross section of 3D inversion results of field data collected near Ft. McMurray



Perspective view of 3D inversion results of field data collected near Ft. McMurray

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