

SEG DISC 2017 – Adelaide



www.GroundwaterImaging.com

What we Do

- ❖ Investigate canal and reservoir seepage and bathymetry
- ❖ Soil Moisture and Groundwater Mapping
- ❖ Alluvium mapping
- ❖ Site Water Bores

Equipment

❖ Hydrographic Electrical Resistivity & Bathymetry Imager (HERBI)



Tows a cable hosting electrodes that image electrical resistivity of the substrate.

Equipment

❖ AgTEM - Time Domain EM



Geo-electric equipment deployment



AgTEM Deployment



EM - 31



Irrigation Canals Data Presentation

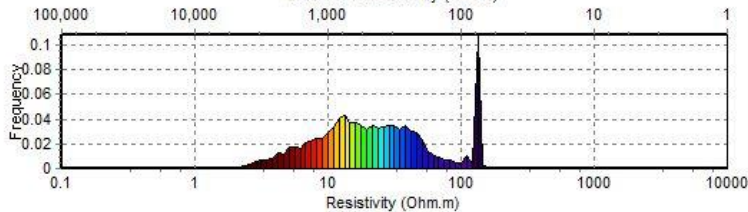
Resistivity projected 10m up. An aqua line represents channel bed: High values of resistivity indicate probable seepage pathways.

Inferred prolific deep seepage into a prior stream

A39

EC and Resistivity Histogram

Electrical Conductivity (uS/cm)



AgTEM

Data Presentation

Substrate EC
projected
100m up.

Saline basement rock

Fresh groundwater in
alluvium

