

Seepage Monitoring and Groundwater Banking

- With accurate bathymetric survey, weather and water level monitoring, it is possible to quantify seepage.
- Water 'banked' as seepage no longer suffers evaporation loss and salt concentration, and, if managed well, can alleviate problems with excessive pumping heads and water logging.
- Seeped water forms a long-term storage component of any surface water storage suitable for high security uses.
- Electromagnetic mapping reveals aquifer connections beneath potential and existing reservoirs so seepage pathways can be known and managed.
- Just as in the infiltrometer measurement below, all water storages have both an above ground and underground component seepage prevention is not the only solution.

By Dr David Allen, 0418 964097 Feb2022 david@GroundWaterImaging.com.au

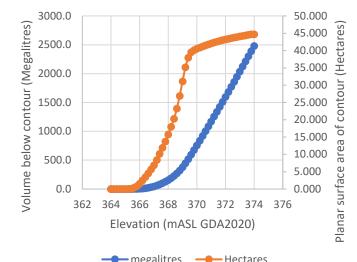
Cylinder Infiltrometer w/Lateral Correction

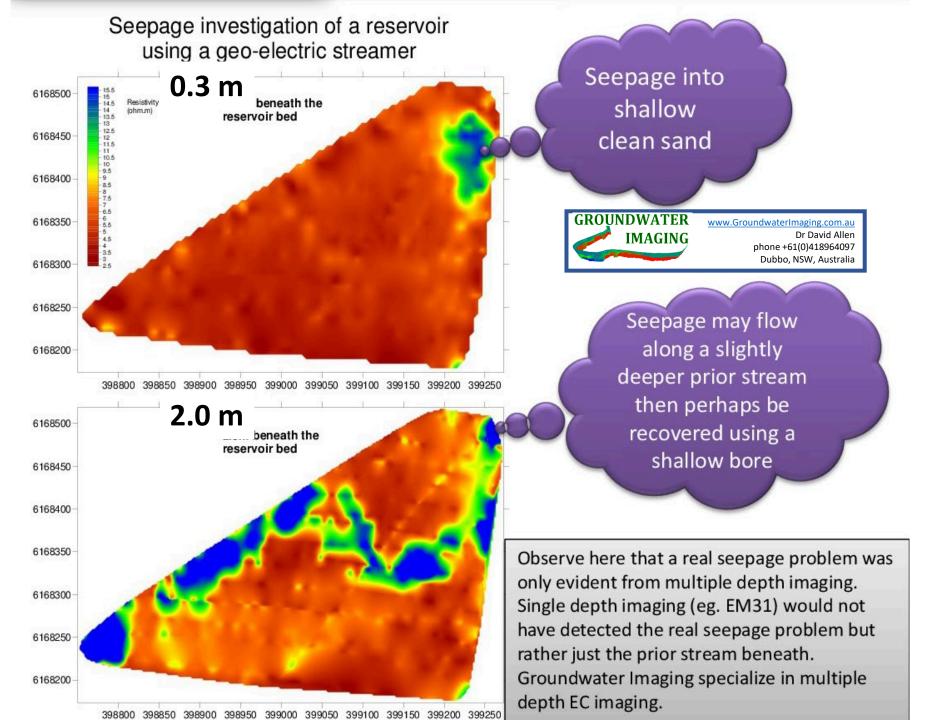






Water Storage Volume and Area







Contact: Dr David Allen 0418964097 David@gorundwaterimaging.com 2/9 Hopkins Prd, DUBBO

- **Floodplain Harvesting Certified Meter Installers and Validators,** Non-Urban Metering Duly Qualified Persons, Reservoir Stage Table and Benchmark surveyors.
- **Electromagnetic mapping** for dam seepage investigation, precision agriculture and groundwater investigation.
- **Telemetered monitoring** of reservoir water balance, seepage, evaporation, soil moisture and groundwater levels and recharge.

