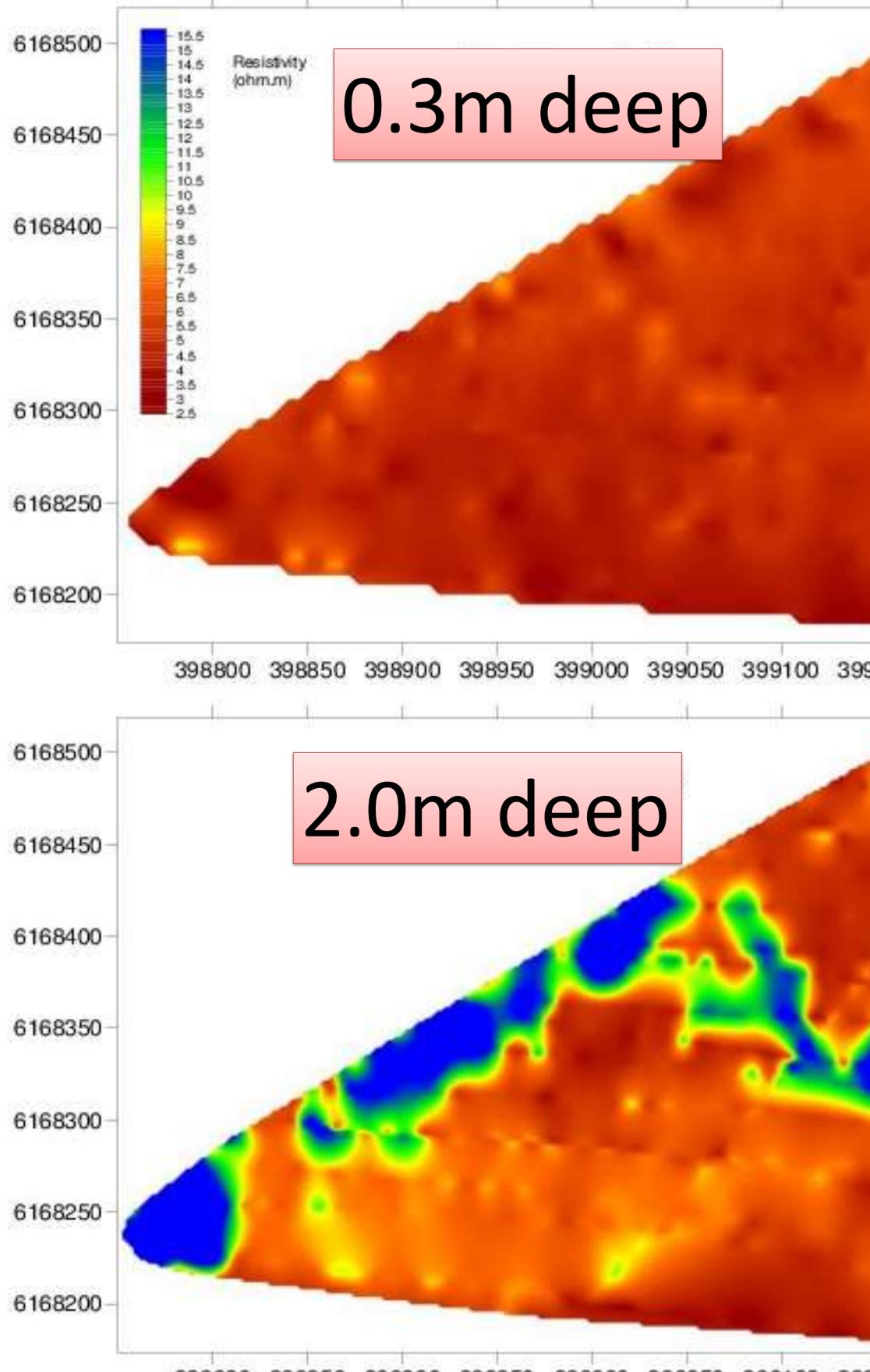
Find where water escapes from dams - and then get it back again

Seepage investigation of a reservoir using a geo-electric streamer



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HERBI surveys of dams reveal seeps, and underground storage opportunities. At the same time storage volume and surface area stage tables are generated so losses and stored volume can be measured by a reservoir gauging station.

> Seepage into shallow clean sand

399150 399200

Seepage may flow along a slightly deeper prior stream then perhaps be recovered using a shallow bore

Observe here that a real seepage problem was only evident from multiple depth imaging. Single depth imaging (eg. EM31) would not have detected the real seepage problem but rather just the prior stream beneath. Groundwater Imaging specialize in multiple depth EC imaging.

3D view of dam substrate resistivity to 10m deep

0418964097, Dubbo NSW

Modelled resistivity 0.6m below bed

storage

Inferred wind blown buried sand/sit drift < 6m deep exposed in the reservoir bed. Clay Lining here will reduce seepage.

