

Time Lapse Soil Moisture Migration Mapping



L-GM Geo-resistivity meter, 1 and 16 electrode switchboxes & telemetry modem.

Movement of moisture and changes in salinity can be imaged over time using our resistivity tomography equipment (optionally with telemetry). It is useful for monitoring pollutants & for study of irrigation efficiency.



Remotely monitored Electrical resistivity tomography can now reveal moisture change at depths from decimetres to tens of metres at modest cost.



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A cable with electrodes all along it is buried just under the ground surface or inserted down a hole or both. Combinations of electrodes are used to make a tomographic image of resistivity and changes in the image are observed over time to indicate moisture and ion migration. It is recommended for very detailed study of irrigation efficiency.

Farm machinery also can be equipped to conduct time lapse ERT for moisture studies

Resistivity transect used to indicate moisture movement in time lapse

