

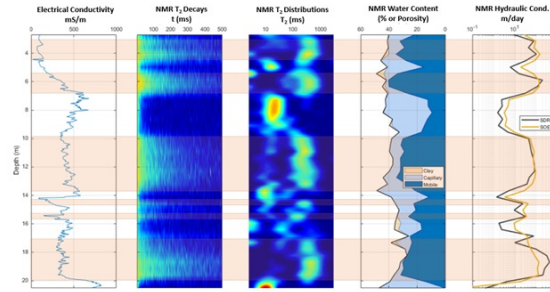


## Magnetic Resonance (NMR) Provides Benefits of Direct Detection in Saline Environments as Compared to Electrical Resistivity

Geophysical NMR measurements deliver reliable and straightforward hydrogeologic information, even in saline groundwater environments.

These environments can be challenging to characterize with conventional electrical resistivity measurements, because differences in resistivity may be associated with the fluid or with the formation. Low resistivity could be correlated with a impermeable clay, or just as likely, with saltwater in a permeable sand.

Because the NMR measurement directly measures groundwater and the pore geometry, NMR estimates of water content and permeability are largely unaffected by salinity, and can resolve ambiguity inherent other geophysical measurements.



[Click here to read the full story of NMR vs Electrical Resistivity.](#)



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