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**Project**            **WASA'S TRINIDAD GROUNDWATER DEVELOPMENT PROJECT**

**Client**            **Earthwater Technology Trinidad & Tobago LLC**

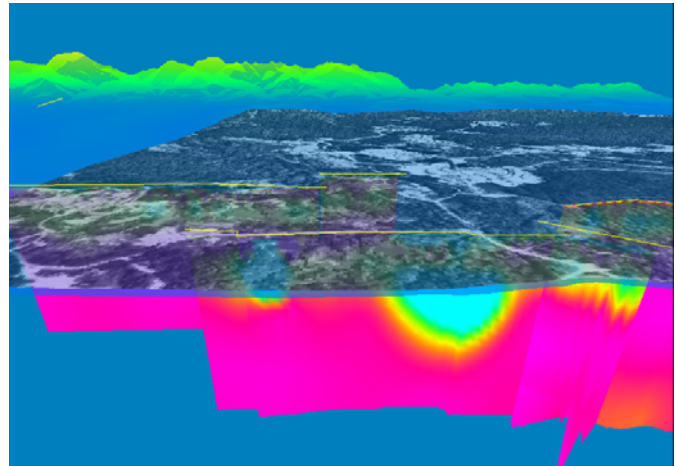
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### Objectives

- Develop custom tools that would allow resistivity data collected at hundreds of stations across Trinidad to be visualized in 3D
- The ability to visualize resistivity data at all locations simultaneously was a key to understanding potential water-bearing zones.

### Outcomes

- The ability to visualize the resistivity data in 3D
- Maximum return on data collection investment
- New data interpretation tools previously not available for this type of data.
- Powerful visualization tools for communicating project and progress to clients and public



### Key Aspects

- Developed a utility to efficiently upload ASCII resistivity data files at hundreds of locations across Trinidad.
- New functionality added to VIEWLOG to render 3D resistivity data
- Designed a database structure based on this data that could be used to render the data in 3D in VIEWLOG.

### Project Description

Low water levels during Trinidad's dry season have caused Trinidad to instate water restrictions across the country and current estimates project water sources to be depleted in a matter of months. It is a fine balance until Trinidad's rainy season begins around May, when water sources can be replenished. Earthwater Technology is searching for a new water source in a highly complex geologic area at the base of the Northern Range.

3D visualizations will continue to enhance interpretations of site data by being able to see more data and their interactions simultaneously. Visualizations are also a key factor in presenting results to the public.