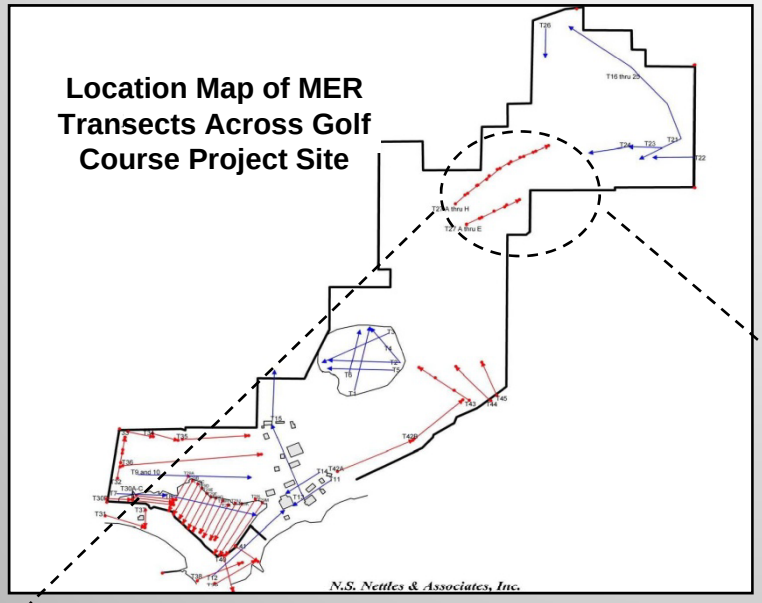
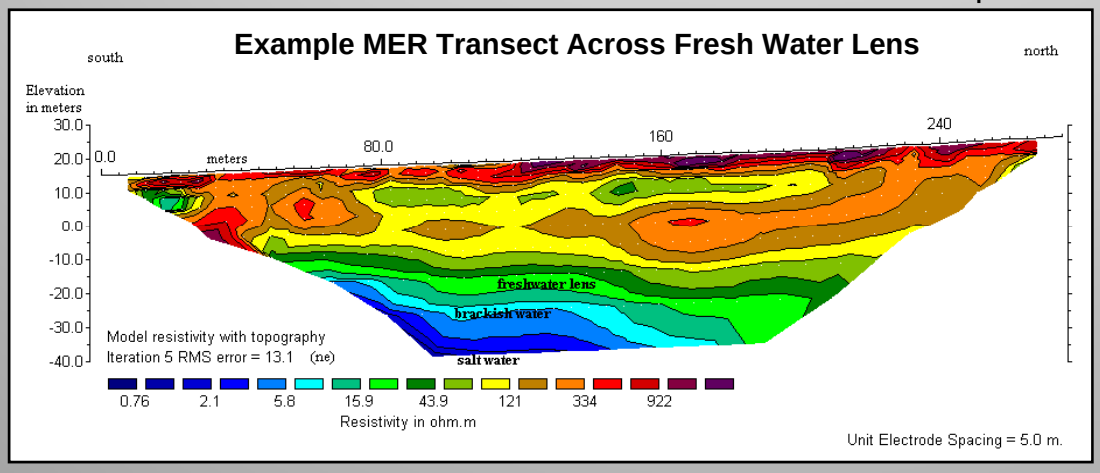
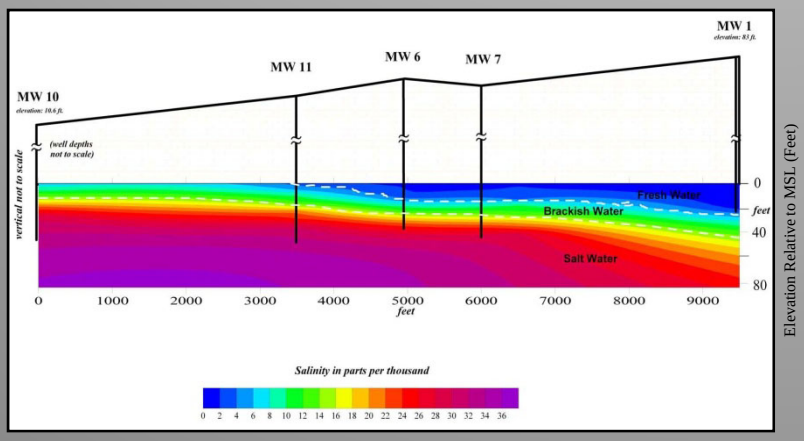
Mapping of A Fresh Water Lens for Water Supply in Anguilla, BWI



Our company utilized Multi-Electrode Electrical Resistivity (MER) technology to provide a comprehensive geophysical analysis of the sediments, rock integrity, and hydrogeologic dynamics across a proposed golf course development in Anguilla, BWI. During the mapping, a fresh water lens was identified in the northeastern section of the property using the resistivity profiles. This lens was then ground-truthed using conductivity measurements within monitor wells that were installed across the area. The combined data from the MER profiles and in-situ conductivity measurements was used to delineate the total area and depth of the fresh water overlying the Saline groundwater system. This information was incorporated into the overall hydrogeologic system design, and provided an unanticipated source of fresh water supply to the project.



MER transect depicting the fresh water lens and the transition into underlying saline groundwater



Cross section of groundwater salinity generated from conductivity measurements in monitor wells installed across site for correlation with MER data.

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