Review of: "MCDA - Groundwater prediction analysis for Sustainable Development using GIS Supported AHP in Okeigbo, Southwestern Nigeria"

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Potential competing interests: No potential competing interests to declare.

The study titled "Multi-criteria Decision Analysis with GIS-supported Analytical Hierarchy Process (AHP) for Predicting Hydrogeologic Significance in Okeigbo, Southwestern Nigeria" provides valuable insights into the hydrogeologic potential of aquifers and their relation to different geologic units in the region.

The researchers employed a comprehensive methodology, combining multi-criteria decision analysis with the Analytical Hierarchy Process (AHP) supported by Geographic Information System (GIS) technology. This approach allowed for the assessment and weighting of six key parameters: aquifer layer thickness (AQT), aquifer layer resistivity (AQR), overburden thickness (OVT), transverse resistance (TR), transmissivity (TMY), and coefficient of anisotropy (CoA).
I would have suggested an improved LULC map (Figure 2).

Very well written manuscript.