SDI EDITORIAL COMMENTS FORM

EDITORIAL COMMENT'S on revised paper (if any)	Authors' response to editor's comments
The manuscript is weak for the following points: - The size of data is low (only 7 VES).	**The seven VES with the four boreholes data were adequate for the information needed for the study. We were able to correlate the VES with the borehole data to obtain the subsurface geology that gave us the actual geological and hydrogeological data needed for the work.**
- References are little and most of them are old, the author didn't used up to date references	**We have clearly stated in the introduction that literatures in the area are very scarce. Furthermore, we were able to review 2021, 2015 and other older literatures. Check the reference for confirmation.**
- Problems in language and editing	**It has been taken care of**
- The VES measurements and borehole logs are well linked and correlated.	
- No clear correlation between the results of geoelectrical results and sedimentation and paleoenvironment has been depicted	**We had already clearly correlate the geoelectric results, sedimentation, hydreogeological, and paleoenvironment of the study area which is the bases for this study, for confirmation, we have highlighted portions in the manuscript where the discussion was done in green colour, check the manuscript**
- The last 3-lines in the abstract are not clear.	**It has been rephrase**
- Figure 1 is not clear, and there is no reference for the figure.	**Figure 1 is satellite map of the area showing locations in the study area**
- The geological map is very simple and it cannot be published in this form and simplicity.	**Figure 3 has been modified to clearly show that the two maps are different.**
- Figure 1 and 3 are the same,	**Figure 3 has been modified and borehole locations are clearly indicated on the map**
- The location of Boreholes is not clear in any map	**This study discusses the transportation of sediments that form the aquifers underlying the study area, and how these sediments were transported from one point in the then ancient sea to where they are now, So equation 1,2, and 3, are fundamental equations in sedimentology which we use to give mathematical description for sediments transportation.**
- No need for the equations 1 to 3.	**The software used for the inversion model was stated and explanation for the software has been fully given. Check equation (11) which is the mathematical bases in which the model works is stated clearly in the manuscript**
- No explanation for the software used in this study (RESIST).	