

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Geological Research</a>
Manuscript Number:	Ms_AJOGER_87693
Title of the Manuscript:	Electrical Conductivity for Selection of Viable Land for Agricultural Activities and a Suitable Sites for Borehole
Type of the Article	Original Research Article

### General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<https://journalajoger.com/index.php/AJOGER/editorial-policy>)

### **PART 1:** Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Compulsory</b> REVISION comments	<p>The aim of the case study namely <b>determining</b> the soil water content through soil electrical conductivity is laudable as a prelude to digging boreholes at right locations. But it is essential to test the effectiveness of the results obtained and the recommendations arising out of them.</p> <p>It is stated that out of sixty- <b>a prima facie for precise location of productive boreholes and crop yielding for</b> precision farming using the combined Schlumberger and Wenner alpha arrays configuration of an electrical resistivity survey.</p> <p>The authors should go one step further <b>nine boreholes drilled</b> in the basement complex rocks of Kaduna State, sixteen were unproductive, representing 30% failures, while the so-called productive ones were not encouraging due to low yield as most wells in the rural areas were located by 'common sense', or trial and error rather than by scientific methods due to the restricted availability of equipment and operators. Consequently, these challenges and situations, therefore, make this type of investigation and test their recommendation by measuring the electrical conductivity of the soil around high yielding boreholes and low yielding boreholes and confirm if <b>their conclusions are correct.</b></p>	<p>Yes, I was wrong the use the "determining" instead of evaluating because the electrical resistivity cannot be used to determine (decide) the soil water content. It can only be used evaluate (examine or access).</p> <p>It has been addressed in the main text</p> <p>Is correct</p>
<b>Minor</b> REVISION comments		<b>The author appreciates the reviewer's constructive contributions</b>
<b>Optional/General</b> comments		

### **PART 2:**

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
<b>Are there ethical issues in this manuscript?</b>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	