

## Review Form 1.6

Journal Name:	<a href="#">Journal of Geography, Environment and Earth Science International</a>
Manuscript Number:	Ms_JGEESI_87354
Title of the Manuscript:	Groundwater Vulnerability Assessment in Osubi Metropolis, Niger Delta, Nigeria using DRASTIC and GIS techniques
Type of the 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://www.journalgeesi.com/index.php/JGEESI/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	<ul style="list-style-type: none"><li>• Please reference on topic 3.3 and 3.4 the previous research works in the study region that determined the aquifer and soil media as “predominantly of sand”;</li><li>• Please describe on topic 3.6 how the vadose zone materials were determined. If this data is from previous research works in the study region, please reference those works;</li></ul>	These sections have been adequately referenced in the revised version
<b>Minor</b> REVISION comments	<ul style="list-style-type: none"><li>• Please revise the abstract (use of sub-sections), according to the <a href="#">Author Guidelines</a>;</li><li>• Please revise grammar throughout the manuscript (DRSTIC, Gostatistical);</li><li>• Please inform the software version used on topic 2.2;</li><li>• I recommend using International System of Units on topic 3.1 (also, there is a missing parenthesis in that sentence) and Figure 1;</li><li>• Please revise Figures formatting, according to the <a href="#">Author Guidelines</a>;</li><li>• Please revise the Conclusion, according to the <a href="#">Author Guidelines</a> (The discussion should not repeat the results, but provide detailed interpretation of data. This should interpret the significance of the findings of the work.);</li><li>• Please revise the reference style throughout and at the end of the manuscript, according to the <a href="#">Author Guidelines</a>.</li><li>• Please revise the reference list. Every reference referred in the text must also present in the reference list and vice versa.</li></ul>	<ul style="list-style-type: none"><li>• Done</li><li>• Done</li><li>• QGIS version 3.16</li><li>• There is no SI unit for Aller <i>et al.</i>, (1987)</li><li>• Figures formatting, abstract, conclusion and referencing style have been revised to comply with the stipulated Author's guidelines.</li></ul>
<b>Optional/General</b> comments	<ul style="list-style-type: none"><li>• Materials and methods are suitable and have sufficient details of the methods/process, except for the topics commented on Compulsory revision;</li><li>• Results data are well controlled and robust;</li><li>• Statistical analyses are not a must for this paper;</li><li>• All the reference cited in the text are relevant and adequate, although some references in the reference list are not in the text.</li></ul>	Thanks for this thorough review

### 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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	