

Review Form 3

Journal Name:	Asian Journal of Geological Research
Manuscript Number:	Ms_AJGER_121009
Title of the Manuscript:	Impact of Groundwater Flow Direction and Sediment Properties on Oil Spill Areas in Ahoada West, Rivers State, Nigeria
Type of the Article	Original Research Article

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<ul style="list-style-type: none"> • The investigation titled "The Effect of Groundwater Flow Direction and Sediment Properties on Oil Spill Areas in Ahoada West, Rivers State, Nigeria" provides a thorough knowledge of the interaction between groundwater dynamics and sediment properties in oil spill situations. • It presents vital insights on management of the environment and cleanup techniques, with an emphasis on the ecological and social consequences of oil spills in areas such as Ahoada West. • This study is critical for creating effective response strategies and minimizing environmental and public health hazards. • This article is fascinating to me because it focuses on a frequently ignored but crucial part of environmental research. • The research investigation investigates the effects of groundwater flow and a sediment quality on oil spills, sheds light on efficient cleanup and mitigation measures, particularly in areas such as Ahoada West, and contributes to environmental protection. 	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>The article "Impact of Groundwater Flow Direction and Sediment Properties on Oil Spill Areas in Ahoada West, Rivers State, Nigeria" successfully emphasizes the study's focus on groundwater flow direction and sediment characteristics while also offering context and relevance to regional environmental problems.</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>The abstract provides a good overview of the study's findings, but it may be improved for completeness and clarity. Here's a comprehensive evaluation of its strengths and opportunities for improvement:</p> <p>Strengths:</p> <p>Study Focus: The summary explicitly states that the research focuses on groundwater flow direction and sediment parameters impacting oil spill regions in Ahoada West.</p> <p>Methodology: It specifies the borehole selection process, instruments utilized, and data gathering and analysis methods, including the usage of ArcGIS and MS Excel.</p> <p>Key findings: It illustrates the direction of the flow of groundwater and summarizes sediment properties and sorting in various places.</p> <p>Areas to improve:</p> <p>Aims and significance: The abstract might be improved by specifically describing the study's aims and why knowing these consequences is important for environmental management or policy.</p> <p>Result Interpretation: Although it includes sediment properties and groundwater flow direction, it might explain how these elements affect oil spill migration and damage.</p> <p>Implications: The effects of what was discovered for environmental management, remediation, or future research should be briefly discussed to demonstrate the study's relevance and prospective uses.</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes.</p>	

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<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>Yes.</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -</p>	<p>Yes.</p>	
<p><u>Minor REVISION</u> comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>	<p>Yes. To make sure that more audience members can grasp the topic, write it in simple, uncomplicated English without using too much technical or confusing jargon.</p>	
<p><u>Optional/General</u> comments</p>	<ul style="list-style-type: none"> • The research report provides a detailed overview of the study's results and underlines the necessity to keep an eye on and reduce any health dangers associated with slightly increased radiation levels in water from Nigeria's oil spill areas. • Consider making the conclusion more explicit and providing actionable ideas to enhance its implications for public health and future research. 	

PART 2:

	<p>Reviewer's comment</p>	<p>Author's comment (if agreed with the reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</p>
<p>Are there ethical issues in this manuscript?</p>	<p>No.</p>	

Reviewer Details:

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