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Journal Name:	Physical Science International Journal
Manuscript Number:	2014_PSIJ_13821
Title of the Manuscript:	GEOPHYSICAL DETERMINATION OF THE CAUSES OF EROSION IN SOME PARTS OF ABIA STATE, SOUTHEASTERN NIGERIA
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that <u>NO</u> manuscript should be rejected only on the basis of '<u>lack of Novelty'</u>, 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:

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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)
Compulsory REVISION comments		
Compulsory REVISION comments	 The title of this manuscript must be changed for the following reasons: The author employed one geophysical method (resistivity electrical method). The author used resistivity method to determine one of the geological factors controlling the erosion(sediment or soil type) and ignore other factors such as porosity, permeability, etc. I suggest the following title: ((Determination of lithology of some parts of Abia state, Southeastern Nigeria, using Vertical Electrical Sounding (VES). 	
	 The introduction is very long. The author must summarize it as possible. The introduction lacks the references that employed the geophysical methods including VES in erosion studies. The work lacks a map of the study area illustrates the locations of VES points. It is very important to know a degree in lateral variation. The following references did not list in the reference list: 	
	(Mc-Neill,2003); (Zohdy , 1976).5. The following references are listed in the references list, but did not cite in the text:	

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		References in lines: 344,359,439, 444,491, 505, and 510.	
	6.	Line 293: Why does the basement complex expose in the base of VES7 and not in other VESs? What is the distance between VES7 and VES8 and between VES7 and VES62	
	7.	Line 304: The author said " that about 16.6m of sediment have been eroded to give the first layer of VES 4" How do you determine that? Can we rely on your method?	
	8.	Lines 329 and 330: The author found that " geophysical methods are effective tools in the evaluation of erosion menace". This conclusion is inaccurate because the author used only one geophysical method and did not test the other geophysical methods.	
	9.	The author relied on sediment rock type to determine the areas subjected to erosion menace and ignored the effect of other geological factors. Can the researchers depend on one geological factor to determine the areas subjected to erosion menace?	
Minor REVISION comments			
Optional/General comments			

Reviewer Details:

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