



SDI Review Form 1.6

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 **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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Compulsory</u> REVISION comments	<ol style="list-style-type: none"> 1. Method used has not justified the title of this paper: The 8 VES and the interpretation presented have not shown the causes of erosion in parts of Abia state. 2. The author has failed to relate the result of VES with erosivity and gully geometry of the 8 sites contested. 3. There is no map or photograph showing any of the gully sites in Abia and the projected menace. 4. Electrical resistivity data alone is not enough tools to explain causes of erosion. Author should have combined this method with geotechnical, collecting the erosive soil and finding some geotechnical characteristics such as: Grain size distribution, moisture content, density, plasticity index, shear strength, porosity etc. Alternatively, the author could relate the VES result to geotechnical findings of any recent scholar. 5. The author has not considered any of the numerous environmental field factors causing erosion in this paper in line with 	



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	<p>his literature review.</p> <p>6. This paper has no research base to justify the title, materials and method and the claims. For example, a claim that resistivity values from 500 Ohm-m to 5500 Ohm-m are prone to erosion in Abia or in the SE Nigeria is not justified.</p>	
Minor REVISION comments	<p>1. The literature review almost elusive of the research topic and thus not justifying the study.</p> <p>2. Correction factor of 1.5 is not justified as surface elevation measurement technique was not discussed.</p> <p>3. Data processing software used (Henker 1982) is fairly obsolete and not mentioned.</p>	
Optional/General comments		

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