



SDI Review Form 1.6

Journal Name:	British Journal of Applied Science & Technology
Manuscript Number:	2013_BJAST_8784
Title of the Manuscript:	Lithology and Geological Structures as Controls in the Quality of Groundwater in Kilifi County, Kenya
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>)



SDI Review Form 1.6

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	16: Delete touching thirteen topographical maps of scale 1:50 000. 17: change Of to of 20-22: delete according to Kwas (Kilifi Water Assessment Study), (1995), Water Resources in the Greater Kilifi District: Collaboration between the Government of Kenya and the Republic of Netherlands, (unpublished) and insert the number which refer to references. You cannot use the unpublished document in the paper. 26: the picture is fuzzy, please change it. We cannot see where Mombassa town is and there is no sea's indication, no geographical coordinates and no scale. 30: delete this include [1, 2, 3, 4, 5]. Insert directly [1, 2, 3, 4, 5] after Kilifi county. 80: it can be Gondwana land 97: there is no sea's indication, no town, no geographical coordinates and no scale. I want to know if in this geological map, the legend was organized as chronological event (from the earliest to the oldest) 101-105: It should be interesting to represent this structural pattern on geological map. 108-112: Please, use the geological map and plot all the boreholes you studied. Make a difference between borehole data collection and borehole field observation 117: please, specify parameters which were analysed for water quality and give the hydraulic characteristics of aquifers because you present four	



SDI Review Form 1.6

	aquifers 121-124: please give the example of those elements (HGUID....) 126: specify the version this software (starter 3, 4, or) 144: you talk about natural recharge but you didn't present the climate aspect of this area. About your discussion, is it possible to improve the water quality in three years (no value about salinity in those periods)? If yes, there was no pumping and it is the same log between C-3344 and C-3263. 150: delete presented in figure 4 and insert (figure 4) 153: "not too saline" what does-it mean? 157-159: it is important to plot any borehole with his code in geological map 160: I cannot understand that C-3344 in figure 3 and C-3344 in figure 4 are different. I think, it the same borehole. 150: delete presented in figure 7 and insert (figure 7)	
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	The figures 3 to 9 do not clearly present the water table in each borehole. It is necessary to present the hydrogeological context of the study area. Please, specify the type of aquifers (confined or not, renewable resources,...)	

Note: Anonymous Reviewer