



SDI Review Form 1.6

Journal Name:	Asian Journal of Environment & Ecology
Manuscript Number:	Ms_AJEE_34921
Title of the Manuscript:	QUALITY EVALUATION OF EARTH DAM AND POND WATER IN GELLA, MUBI SOUTH LOCAL GOVERNMENT AREA
Type of the Article	Original Research 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:

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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	1. page 3, section 2.1 "STUDY AREA" I suggest to locate the study area (and sampling point) on the map of Nigeria and neighboring countries (for better location for foreign readers). 2. page 3, section 2.2. "SAMPLE COLLECTION" In the statistical analysis should be added the size of the collection (how much of samples was taken into consideration). 3. page 3, section 2.7 "DETERMINATION OF HEAVY METAL" Specify, what heavy metals have been measured. What was the basis for selection of measured parameters in water? Why these parameters was analysed? Please explain, what was the criterion for the selection of these compounds. 4. whole manuscript - Correct, please, the Electrical conductivity unit - should be "$\mu\text{S}/\text{cm}$". 5. table 1 - Explain abbreviation "NA" "Earth Dan" should be "Earth Dam" 6. table 2 - BDL= Below Detectable Limits - determine, please, what these values were. 7. I propose to remove this general information. It is clear for readers of this journal. "<i>The pH is the measure of hydrogen ion concentration (H^+) and negative hydroxide ion (OH^-) in water. It indicates whether the water is acidic or alkaline. In pure water, the concentration of positive hydrogen ion is at equilibrium with the concentration of the negative hydroxide ions, and the pH measures exactly 7 on a pH scale ranging from 1-14 [12]</i>". I propose to remove also: "<i>Electrical conductivity is the numerical expression of the water's ability to conduct an electric current it depends on the total concentration, mobility, valence and temperature of the solution of ions [13]. Electrolytes in solution dissociate into positive (cations) and negative (anions) ion and impart conductivity. Most dissolved inorganic substances are in the ionized form in water and contribute to the conductance [14]</i>". Remove all general information from the whole article. 8. page 3, line 79 and all manuscript - "total dissolve solid" should be "total dissolved solid"	Map of the sampling point added A total of 15 samples was collected from 5 sources (the only pond s and earth dam in the study area). Indicated in the Ms; iron, manganese and zinc, The criteria added in introduction section Corrected Corrected BDL (not detected) = Below detection limit by the analytical instrument used Corrected Corrected Corrected Corrected



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	9. page 4, line 91, 92 and all manuscript - "dissolve oxygen" should be "dissolved oxygen" 10. page 10, line 222-224 "<i>Iron in drinking water may be present as geological sources, industrial waste and domestic discharges and also from mining products</i>". It is worth to add an information on the geological structure of the studied area and its land uses. 11. Try to explain (in section "Discussion"), why there are such high DO concentration in earth dam (19.40 mg/L). This value is quite unrealistic, so prove that it is correct.	Was earlier indicated at page 10; Lines 206 – 208.
Minor REVISION comments		
Optional/General comments		