

Review Form 3

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| Journal Name: | International Journal of Environment and Climate Change |
| Manuscript Number: | Ms_IJECC_121995 |
| Title of the Manuscript: | Evaluating the Impact of River Bank Erosion on Environmental Stream Morphology for the Mini Piti Stream, Obio-Akpor, Rivers State, Nigeria |
| Type of the Article | |

Review Form 3

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> | <p>The paper reported investigation of cross section changes between wet and dry seasons along a river over a distance of 5km. River section data is collected using echo sounder and meter rule, whereas the velocity estimated using float. The findings shows that increased flow velocity and discharge are responsible for the erosion process during the wet season, leading to stream morphology dynamic and water quality deterioration.</p> <p>The paper appears to be rather simple but there is still potential for more in-depth discussions which however the author has not attempted. The findings are generally qualitative discussions instead of quantitative analysis, which is one of the major short-coming of the present paper.</p> | |
| <p>Is the title of the article suitable? (If not please suggest an alternative title)</p> | <p>Acceptable</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 should preferably report the “findings” instead of the “data” (the average depth recorded upstream was DS 0.9m, WS 1.4m, Midstream DS 1.3m, WS 1.7m, and Downstream = DS 1.5m WS 1.7m)</p> <p>The findings should ideally be quantified parameters instead of general discussions.</p> | |
| <p>Are subsections and structure of the manuscript appropriate?</p> | <p>The methods, results and conclusions should be separated as main sections.</p> | |
| <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>The river is located near the coast and thus may be subjected to tidal effect. However, there is no mention of the dynamics attributed to tidal flood and ebb.</p> <p>The authors could have estimated the width, depth and volume change explicitly between the seasons to quantify the impact objectively.</p> <p>How are the morphology changes affecting the importance of “economy function of the river” or “conservation of the ecosystem”?</p> <p>What are the water levels in the sections during the wet and dry seasons? There is also no detail on the river gradient, floodplain features and land use information (though it looks like urbanised area from the figure). These should form part of the important background for in-depth discussions.</p> <p>Some of the discussions are not well supported by facts and evidence. For example: waste dumped (what are they? What anthropogenic input is implied?), scouring (check definition of scouring – how is scouring detected or proof in this study?), suspended fine sediment (these are not measured).</p> | |
| <p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p> | <p>The references are strongly skewed towards Abam, T. K. S. It is advisable to broaden the sources.</p> | |

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| Minor REVISION comments | The article English language could benefit from proofreading. | |
| Is the language/English quality of the article suitable for scholarly communications? | | |
| Optional/General comments | | |

PART 2:

| | 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> |
|---|--|---|
| Are there ethical issues in this manuscript? | <i>(If yes, Kindly please write down the ethical issues here in details)</i> | |

Reviewer Details:

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