Dear Reviewer,

Thank you for allowing a resubmission of our manuscript, with an opportunity to address the your comments.
We are uploading (a) our point-by-point response to the comments (below) (response to reviewers), (b) an updated manuscript with highlighting indicating changes.

Best regards,

Wenling Yu, Bo Liu, Hua Liu

1. ABSTRACT： Well described.

Thanks for your comment.

2. KEY WORDS： Please improve, key words can be more specific.

Thanks for your comment.

In the revised revision, we have added a new keyword：multi-head self-attention.

3. Figure and tables： Please, the paper must be organized so that the pictures and the description of the pictures must appear in the same page. (Figure 7 as example).

Thanks for your comment.

Due to the large size and rich content of the figures, it is difficult to fit the figures and their captions on the same page. Under current circumstances, we have tried our best to keep the figures and captions together on one page. We will make further adjustments before the final version.

4. Please, the paper must be organized so that the tables and the description of the picture must appear in the same page.

Thanks for your comment.

In the revised revision, within the current limitations, we have tried our best to place the tables and figure captions on the same page. We will make further adjustments before the final manuscript submission.

5. After the table please insert a empty line as in line 334

Thanks for your comment.

In the revised revision, we have insert a empty line as in line 334 after the table.

6. The text that describe the figure must be in the same page.

Thanks for your comment.

Similar to the previous question, within the current limitations, we have tried our best to place the tables and figure captions on the same page. We will make further adjustments before the final manuscript submission.

7. The dimension of the test that describes the picture must be in dimension 9 not 10 as in some description text (see lines 185-188).

Thanks for your comment.

Despite repeated checks, the dimension of the test that describes the picture must be in dimension 10 was not encountered, we only described the image sizes when introducing the datasets. We would be deeply grateful if you could indicate more precisely the problem area, to facilitate refinement of the manuscript.

8. References: Please correct the format of the References as follow, with correct alignment.

1. Wang, Z., Gao, X., Zhang, Y., & Zhao, G. (2020). MSLWENet: A novel deep learning network for lake water body extraction of Google remote sensing images. Remote Sensing, 12(24), 4140

Thanks for your comment.

In the revised revision, we used the reference citation template from the Remote Sensing journal. After repeated comparisons, we have completed the revisions. We will double check again before the final manuscript submission.