Responses to reviewer comments

Title: Satellite-based Monitoring of Coastal Wetlands in Yancheng of Jiangsu Province, China
Authors: Chen Chen, Jiajun Feng, Changyou Wang, Longjiang Mao, Yuanzhi Zhang

Dear Editors and Reviewers,

Thank you very much for your valuable comments on our manuscript entitled "Satellite-based Monitoring of Coastal Wetlands in Yancheng of Jiangsu Province, China". In this revision, all comments have been replied.

Please see the point-to-point letter for all we made in response to reviewers' concerns.

We believe the quality of manuscript has been further improved and many thanks for your kind consideration for publication.

Thank you very much,
Authors

Texts in red are the reviewer's comments; **those in black** are the authors' explanations to the reviewer's comments; and those in blue are the revised texts appeared in the revised manuscript. In addition to the point to point responses letter, we enclosed a track-enabled version and a clean version of the revised manuscript. The line numbers appearing in this letter correspond to those in the **track-enabled document**.

Reviewer 1

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4. Line 188-190: The authors mentioned "wetland types". What is the wetland type referred to her and by what criteria can it be divided? How did you refer to Google Earth images?

Dear authors,

I think that the revised manuscript is reflected in my review opinion.

However, I hope the answer to question 4 is added to the manuscript.

Thank you for your hard work in advance.

Reply:

Thanks for your suggestion. We have added the answer to question 4 to the manuscript as below using tracking changes:

"According to the National standard of Wetland Classification in China, the national wetland classification system is divided into natural wetland and artificial wetland. The natural wetland is divided into two and three levels according to the geomorphological characteristics, hydrological characteristics, and vegetation types of wetland, and the artificial wetland is divided into two and three levels according to its main uses. Considering the specific situation of Yancheng wetland, we divided the land cover into construction land, vegetation, river system, farmland, aquaculture, saltpan, and tidal flat.

In order to accurately estimate different wetland types, it is necessary to select appropriate training samples before classification, and the selection of training samples will have an important impact on the classification results. We also had two times of fieldwork in April 8-11 and July 9-12, 2021 to take some samples and photos to verify our results of image classification. When we made visual interpretation, we used Google Earth history images to help us identify the types of land features, better classify them, and extracted sample points of different wetland types."

Reviewer 2

Dear authors,

Great job. I am happy with revised version.

Reply: Thank you very much.

---------- End of responses to reviewer comments----------