

Review of: "New Method to Identify Potential Illegal Water Use Location by Using Remote Sensing and Neural Networks in Laguna de Aculeo, Chile"

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Potential competing interests: No potential competing interests to declare.

Though the manuscript is well written, some of the comments are as follows:

- Several possible places can be seen in the data collection section where in-text citation is required and mandatory.
- Similarly, under the unsupervised section, although the author has justified some reasons for its implementation, they may have to refer to the past, if any, with some in-text citations. The use of the ISO cluster algorithm for the classification of images was highlighted, but why not other techniques like that of object-based image classification, which is mainly used for high-resolution satellite imagery? Why prefer ISO clustering? Such kind of information may help the content of the manuscript.
- The equations shall be written separately, apart from being written along with the parameters if the journal requires.
- I think units shall be SI or changed accordingly according to the journal requirements, and some are written in m², some are in meters. Inconsistent units.
- Regarding figure 3, I think the author needs to insert sub-labeling for images as well, e.g., a, b, c, etc., with proper captioning. In the case of the first image for figure 3, I didn't see any information; neither was it written in the caption. Thus, I request the author to kindly address it or remove it if it doesn't have any value in this research.
- Regarding the evaluation of accuracy for unsupervised classification, I recommend putting the algorithm used for assessing the accuracy, although 85.33% efficiency is mentioned.
- If there are some findings in the past regarding the current research, then comparisons shall be made in the discussion section as well to make the research findings more robust.

Overall, the research is written well and may have to incorporate the comments before publication.