

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.

The task addressed in the paper certainly deserves attention and the development of advanced techniques. However, there are some critical points that the authors should address to make the paper publishable. First, the title of the paper is overly ambitious: no new method is proposed, and neural networks are not used in this study. Second, I suggest avoiding the term "unsupervised classification": classification is by definition a supervised task, and what the authors actually did was clustering; then, they used a threshold to manually classify their image pixels.

Third, they should better explain how the indices were used to automatically identify locations of illegal water use: currently, it seems to be a manual process rather than an automatic "intelligent" one.

Finally, once the previous issues have been addressed, the paper should be completed with results from the comparison of the proposed approach with some well-established approaches usually used for this kind of task.