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

M. A. Torres-Vera[1]

1 Universidad Nacional Autónoma de México

Potential competing interests: No potential competing interests to declare.

Methodology:

The methods employed in the article are reviewed, including the use of vegetation indices, calculation of vegetation "health," and classification of crop areas.

The accuracy of the title is analyzed in relation to the content of the article.

Evidence of the use of neural networks or artificial intelligence is sought, as indicated in the title and classification section.

Results:

The article uses a known and widely used method for identifying potential illegal water use areas.

The title of the article does not accurately reflect the content, as it does not present a "new method" nor does it significantly use "neural networks."

No actual use of neural networks or artificial intelligence is observed in the methodology.

The work is limited to the application of known methods in a specific region of Chile.

Conclusions:

It is recommended to reject the article in its current form.

The authors are suggested to reconsider the title of the article to match the actual content.

The authors are encouraged to improve the description of the methodology, including specific details about the use of neural networks or artificial intelligence, if they are indeed implemented.

Additional comments:

The use of vegetation indices to estimate vegetation "health" does not necessarily indicate illegal water use, as it depends on the type of crop and its specific needs.

The classification of crop areas can be useful for identifying areas of potential interest, but it is not conclusive regarding illegal water use.

Recommendation:

The authors are recommended to revise and improve the article for it to be considered for publication. It is suggested that they focus on the novel aspects of their research and present a clear and precise methodology.