

***Interactive comment on* “The use of remote sensing to quantify wetland loss in the Choke Mountain range, Upper Blue Nile basin, Ethiopia” by E. Teferi et al.**

Anonymous Referee #2

Received and published: 18 October 2010

This paper uses standard techniques applied to a new geographic area. Because this type of work has not been done in the region investigated, and because it has application to many other parts of the world, I recommend that it be published after some minor corrections. In addition, the results document an important reduction in wetland area in the study area.

The paper is well-written overall. The methods section is a bit lengthy considering standard processing steps are involved, but perhaps OK because it gives the reader a clear idea of the steps followed.

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- 1) The significance of the work should be stated more explicitly in the abstract, introduction, and results.
- 2) Check usage of the words "images", "imagery", "imageries". I prefer "imagery" but I am not sure what the journal prefers.
- 3) p 6244, ln 8, should be "regional scales"
- 4) p 6246, ln 5, insert an "and" before "gender dimension".
- 5) p 6246, ln 20, change "insure" to "ensure"
- 5) p 6246, ln 27, "paper, a post-classification change detection approach, which"
- 6) p 6246, ln 29, insert a comma after "(Jensen, 2005)"
- 7) change "post classification" to "post-classification" in several spots in the paper.
- 8) p 6249, ln 21, don't start a sentence with a number. Change to "Sixteen-day"
- 9) p 6250, ln 1, change "literatures" to "literature"
- 10) p 6250, ln 22, "Paolini et al. (2006) called this combination method "Vogelman-DOS."
- 11) p 6253, ln 9, delete "In order" and start sentence "To reduce ..."
- 12) p 6255, ln 5, "(2) using the spectral clusters, ground reference data were ..."
- 13) Table 3, should have equal number of decimal places for each entry.
- 14) Fig. 2, I don't believe this figure is necessary.
- 15) Fig. 4, Why the large decrease in cultivated land?
- 16) Methods section...I think there is a bit of unnecessary detail in the atmospheric correction and topographic correction sections. Can it be shortened while maintaining critical information?

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