

Review of: "Assessment of soil erosion in the Cesar watershed, an initial step toward the restoration of the Cesar River"

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Potential competing interests: No potential competing interests to declare.

Reviewer Comments

Assessment of soil erosion in the Cesar watershed, an initial step toward the restoration of the Cesar River

- 1) Page 1 : Abstract: The abstract should be more factual, stating the range of values obtained for the soil erosion rates. Also, a statement should be made on the limitation of the study.
- 2) Page 4: The word "lomeiro" is Spanish. It is translated as "rolling hills ". The terrain being referred to can be described as rolling hills terrain.
- 3) Page 5: The precision to which the latitudes and longitudes were written were not necessary. They could be written up to 3 decimal places.
- 4) Page 6: All equations should be properly written, well aligned and numbered.
- 5) Page 6: These references: Moore and Nieber (???); Desmet and Govers (1996); Arnuldos (1977); Renard and Freimund (1994) were cited but not in the reference list.
- 6) All soil erosion rate units should be t/ha/y and NOT t/h/yr or t/h/year. It must be noted that h is the unit for hour and not hectare.
- 7) Page 8: No reference was made to Table III in the text. Moreover, the data presented in the table is incomplete. Since there are two stations, it is expected that, the estimated and observed data ought to be presented for each station. Also, it is better to present sediment yield in t/ha/y and NOT t.
- 8) The RUSLE model was used in conjunction with geographic information system (GIS) image interpretation for 2000, 2010 and 2020. The input data for the model spanned 1991 to 2020. Site specific sediment yield data for 1991 – 2000 was used to calibrate the model. It is quite clear that some assumptions have been made to enable the computations to be done. It is important to state some limitations of the study.
- 9) Reference list: Write the names for all the authors for reference 8, 12, 13, 16, 28 and 33.
- 10) Comment boxes are highlighted throughout the text. This can be made available if requested.

