

Critical Reviews of Geologic Writing
Geology 371
Paul Melillo
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Paper: **Contrasting rates and scales of sediment production and sediment yield in semi- arid terrain**

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This paper address the growing concern about sediment production and sediment yield rates in a network of Rio Puerco Basin. This paper develops supporting methods in which these highly variable, poorly known rates can be predicted. This paper has some very important research being done in it because the semi-arid regions of the world are under rapid growth and have the high sediment yield rates in the world. This paper demonstrates that cosmogenic nuclides can provide a means by which to determine the future of sediment generation.

I feel that the quality of the paper is very high and the content off the paper is very clear and concise in general. The paper is very well written and keeps the reader interesting in the paper and leads very nicely to the next section. The logic of interpretations is clear to me but it may not be from other that has less experience with these types of studies. The clarity of the writing was very well done, getting across to the reader the point intended and support the paper's points very nicely. The illustrations were used very supportively but in reading the notes for contribute it states that four small display items with brief legends should be used. This is something that you may want to work on, in order to have a higher rate of acceptance. The paper is also lacking the materials and methods detailed parts that is asked for by Nature, see notes to contributors.

I would recommend this paper to the Journal of Nature granted the some small corrections be made with the structure of the paper. I am recommending it to the Journal of Nature because it does as Nature asks the follow:

- report original scientific research
- are of outstanding scientific importance
- are of interest to an interdisciplinary readership.

Upon completion of a few format things asked by nature and a very small amount of structure issue I feel that this paper is ready to go.

1. A lot of your sentence is very long with many commons. I have marked some of the in the manuscript. The longer the sentence the hard it is for me to follow the idea that you are trying to get across to the reader.
2. Another long sentence
3. Yet another longer sentence.