

## ***Interactive comment on “Soil–landform–plant communities relationships of a periglacial landscape at Potter Peninsula, Maritime Antarctica” by E. L. Poelking et al.***

### **Anonymous Referee #2**

Received and published: 3 October 2014

Page 2262, line 7: You mention that ice free areas are being constantly exposed. Don't you find this remark a little exaggerated?

Page 2263, line 5: Where is the reference for first sentence?

page 2263, line 18 to 20: The sentence where you mention the SSS uplift, seems not well fitted here. Maybe thus paragraph should be re-rote for a better understanding.

page 2263, line 25: In this paragraph you mention the some author twice.

page 2265, line 4 to 18: In this paragraph you mention the same author 3 times. Are there no others?

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page 2266, line 8: Fig 1 should be in the end of the first sentence.

page 2266: The climatic description of the study area needs improvement. You refer Köppen is ET, but you don't describe it better. The temperature regimes are also not very clear. There are papers from the climate in the SSS that you can also refer to.

page 2266, line 16: Why not describe a little more what Birkenmajer (1988) says.

page 2266, line 18: i didn't understand where exactly is the permafrost! Maybe it would be interesting to describe a little more about the permafrost, since its a periglacial area.

page 2266, last paragraph: i believe a reference would be a good addition.

page 2268: There could be a paragraph 3.4 about the Geomorphological mapping to explain the relation with landform. Until this point it is no clear.

page 2273, 4.3: I cant find the landform relations. Only in 4.2 you mention a few things.

2273, line 3: "there, although...", is not very good English

Final remarks: 1 - It is not clear the relation with the landforms. Maybe you should include some lines about the relation with glacial, periglacial and seasonal ground ice forms. A geomorphological map is a god idea;

2- There could be some lines about your results and comparing to others in the SSS area;

3- a map that includes type of soil, vegetation and landform would complete the results on Table 1;

4- A more detail description of the results from figures 5 and 6 would be useful;

5- The results in general need some work.

6- Figure 3: You should say on the map where are these profiles from.

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