SOIL Discuss.,
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Interactive comment on "Physical, chemical and mineralogical attributes of a representative group of soils from the Eastern Amazon, Brazil" *by* Edna Santos de Souza et al.

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Dear Colin Pain, Thank you for reviewing our manuscript so thoroughly and taking the time to write helpful and detailed comments to improve our paper. We are very grateful for this. Please find our answers to the comments below:

General Comments Aims are clear. Methods are appropriate. Section 3, Results and Discussion. This section I found hard going, probably because the results and discussion are mixed together. It would be better to present the results in one section, and then discuss them in a following section. This of course requires a major rewrite, but I C1 comment think the paper would be better for it. Section 4 Conclusions. This is

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a bit weak considering all the very useful information you present in the paper. If you reorganise section 3 as I suggest you should be able to provide a more complete set of conclusions that are important for soil and land use in the area.

Reply: Thank you for your suggestions. The section 3 was reorganized into results and discussion. Conclusions were changed considering the relationship between the attributes as a function of the multivariate analysis. We also provided a more complete set of conclusions that are important for soil and land use in the area.

Specific Comments You should include more details about the geological units, because their lithologies are important for soil formation. You could perhaps include a table listing formations and their lithologies? Technical Corrections Figure 1 is too small – it is impossible to read the text.

Reply: figure 1 has been amended and extended. Figure 1A, 1B, and 1C are now referred to as figures 1, 2, and 3 after being extended.

This comment also applies to Figs 2, 3 and 4. I think you need to redraw these maps so they are legible at the scale they will be published. In fact, you should check all the figures to make sure that text can be read at the published size. Also in Figure 9 some text is covered by other text. Reply: Figures 2, 3, and 4 will be extended in the final version. Figure 9 (current 11), were changed. I have uploaded a file with some suggested edits.

Reply: All suggestions and corrections were included in the text. Please find our answers in the supplement

Thanks for the comments and suggestions that contribute significantly to improve the quality of the manuscript.

Kind regards, Authors

Please also note the supplement to this comment:

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https://www.soil-discuss.net/soil-2018-3/soil-2018-3-AC3-supplement.pdf

Interactive comment on SOIL Discuss., https://doi.org/10.5194/soil-2018-3, 2018.

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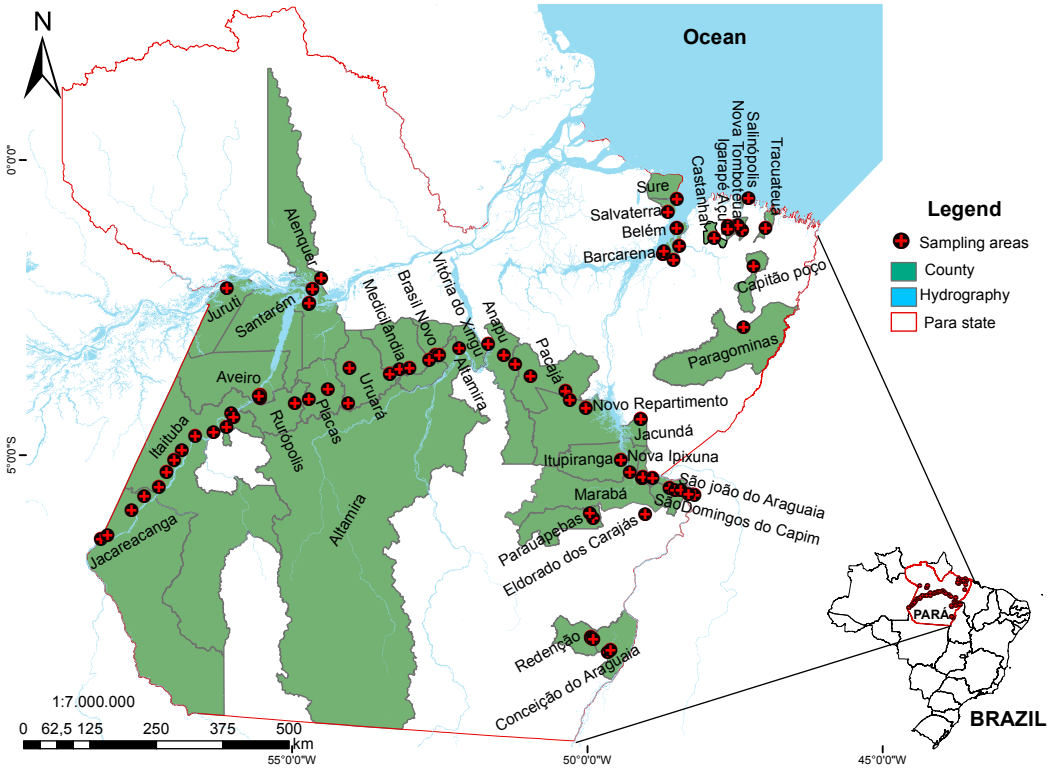

Fig. 1. Figure 1

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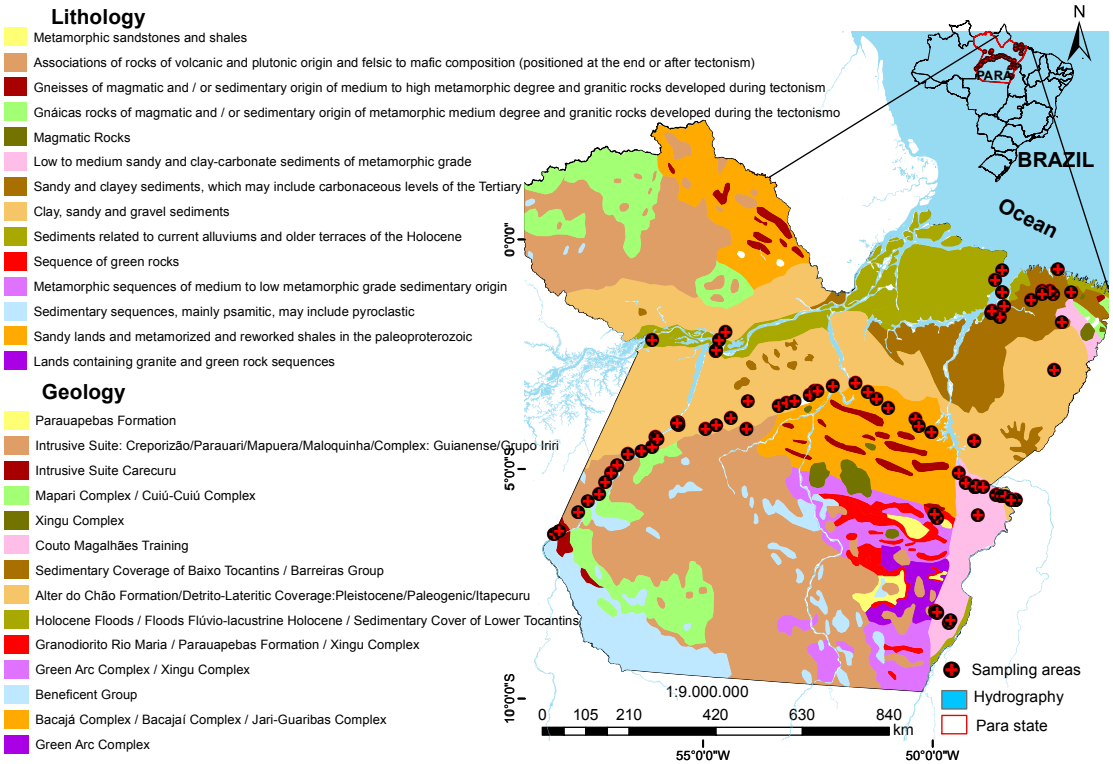

Fig. 2. Figure 2

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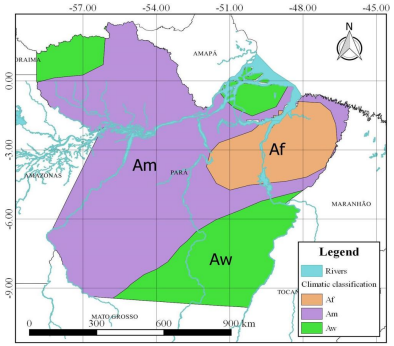

Figure 3. Map of climatic characterization of the Pará state.

Fig. 3. Figure 3

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