

## ***Interactive comment on “Assessing the performance of a plastic optical fiber turbidity sensor for measuring post-fire erosion from plot to catchment scale” by J. J. Keizer et al.***

**Anonymous Referee #3**

Received and published: 30 June 2015

This research article provides useful information about a potential tool which enhances the assessment of runoff and soil losses after wildfires. I would recommend its publication in SOIL after some minor comments:

Part of the section 3.3 should be in the Results section as the authors are already advance some results. Pag. 457. Line 13: year within brackets; are the units the right ones? I would like to ask the authors to simplify the text of the Results and discussion section. Could the authors highlight their discussion based on the results they have obtained and the associated literature instead of mention the coefficients and sediment concentration, that are already included in the tables anyway? Could be possible to

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include in the Conclusion section which would be the next actions regarding the POF in a few lines? Are the authors planning new technical improvements or analysis of the data? Are you planning to try it under different scenarios? Please, normalize sediment concentration units (g<sup>l</sup>-1 or gL<sup>-1</sup>).

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Interactive comment on SOIL Discuss., 2, 449, 2015.