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Dr. Nobuhito Ohte
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Title: Quantifying the effects of clear-cutting and strip-cutting on nitrate dynamics in a forested watershed using triple oxygen isotopes as tracers
Author(s): U. Tsunogai, D.D. Komatsu, T. Ohyama, A. Suzuki, F. Nakagawa, I. Noguchi, K. Takagi, M. Nomura, K. Fukuzawa, and H. Shibata
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Dear Prof. Ohte:

Thank you very much for your constructive comments on our manuscript. We have carefully studied your additional comments and revised the manuscript accordingly. All the additional revisions have been listed in this letter. Besides, we have uploaded the revised manuscript, in which the newly added or changed sentences were presented in red.

Revisions from the previous submission to BG are as follows:

- 1) (P1 L16-17 in the revised manuscript) We added present address of Dr. Komatsu.
- 2) (P9/L3-7 in the revised manuscript) We added a sentence to notify that the monitoring period of atmospheric nitrate was different from that of stream water nitrate, together with the reasons.
- 3) (P11/L15 and P14/L9) We added the p-values of figures 4(b) and 5.
- 4) (P11/L22-27) We revised the discussions on the influence of atmospheric nitrate in $\delta^{15}\text{N}$ values of nitrate in stream water.
- 5) (P12/L29-30) We changed the way of estimating the $\delta^{15}\text{N}$ value of remineralized nitrate. The error of the estimated value had been changed as well.
- 6) (P18/L7-16) We added sentences to discuss the influences of the difference in the monitoring period.
- 7) (P21-28) We added reference list.
- 8) (Figure 4(a)) We deleted the least square fitting line.
- 9) (Figure 4(b) and 5) We added the p-values in the figures.

We would like to thank you for the helpful comments and suggestions. We trust that the revision is satisfactory response to the comments. Thank you for your consideration.

Sincerely yours,
Urumu Tsunogai, PhD
Professor
Graduate School of Environmental Studies,
Nagoya University
Furo-cho, Chikusa-ku, Nagoya,
464-8601, JAPAN
Phone: +81-11-789-3498
E-mail: urumu@nagoya-u.jp

Encl.

c.c. Drs. D.D. Komatsu, T. Ohyama, A. Suzuki, F. Nakagawa, I. Noguchi, K. Takagi, M. Nomura, K. Fukuzawa, and H. Shibata