Ecosphere

Magnesium and zinc stable isotopes as a new tool to understand Mg and Zn sources in stream food webs

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Appendix S2

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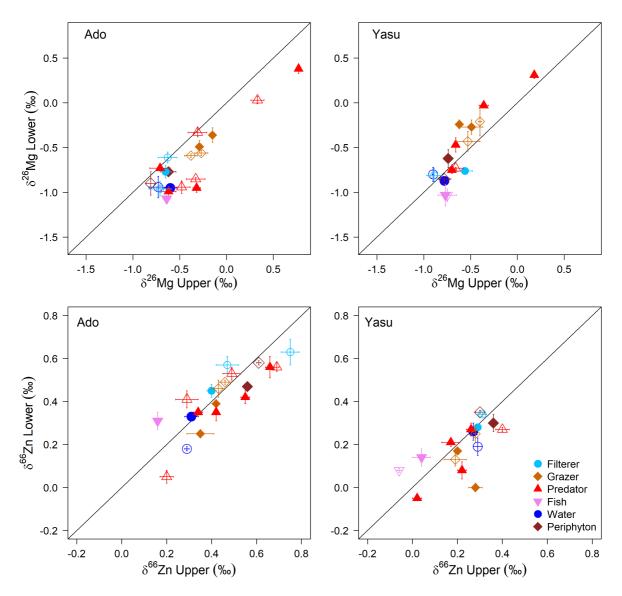


Figure S1. Scatter plots of $\delta^{26}Mg \pm 2\sigma$ and $\delta^{66}Zn \pm 2\sigma$ of consumers at lower reaches against $\delta^{26}Mg \pm 2\sigma$ and $\delta^{66}Zn \pm 2\sigma$ of the same consumers at upper reaches, respectively, with respect to feeding habits. Filled symbols: May 2018 samples; Open symbols: November 2018 samples. The solid black lines represent 1:1 lines.

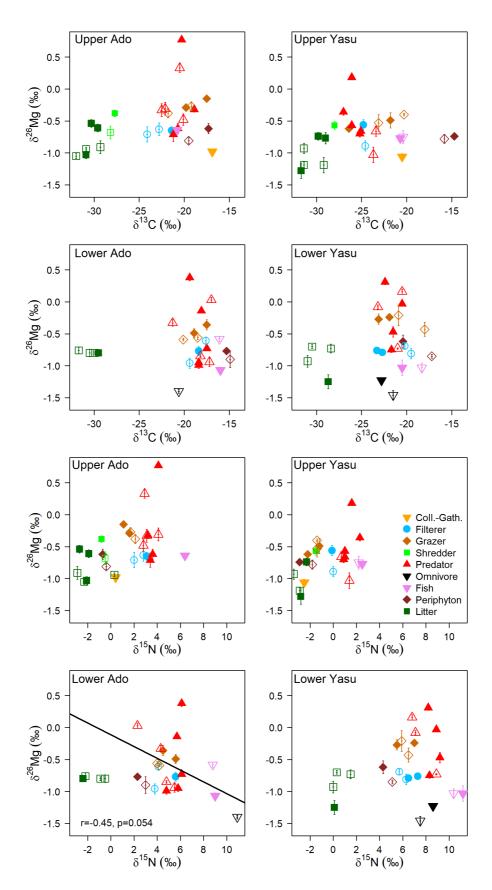


Figure S2. Scatter plots of $\delta^{26}Mg \pm 2\sigma$ against $\delta^{13}C$ and $\delta^{15}N$ with respect to feeding habits. Filled symbols: May 2018 samples; Open symbols: November 2018 samples.

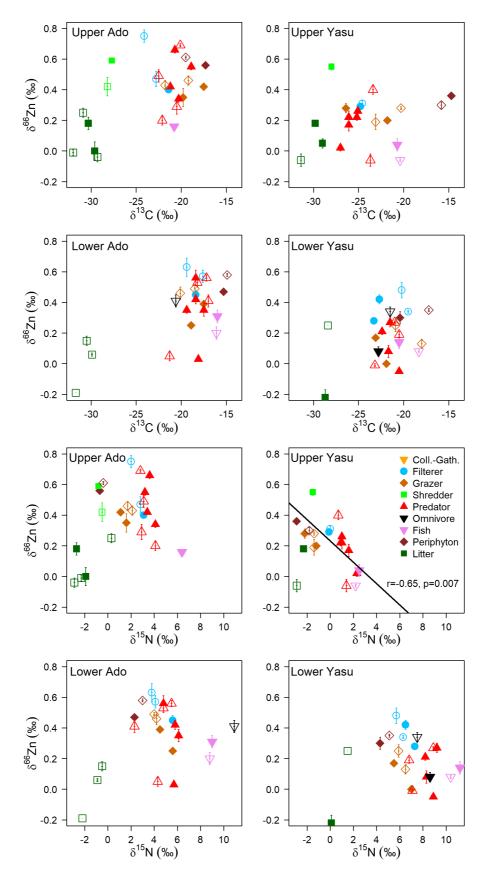


Figure S3. Scatter plots of δ^{66} Zn \pm 2 σ against δ^{13} C and δ^{15} N with respect to feeding habits. Filled symbols: May 2018 samples; Open symbols: November 2018 samples.

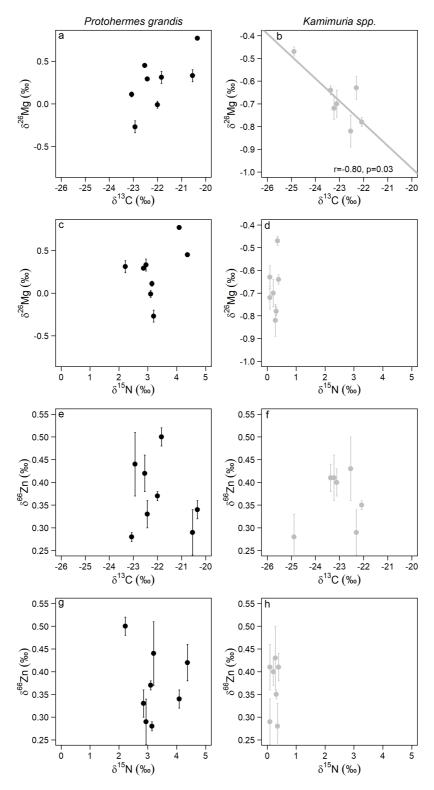


Figure S4. Scatter plots of $\delta^{26} Mg \pm 2\sigma$ in dobsonflies (*Protohermes grandis*) of different size from Upper Ado in May 2018 against $\delta^{13} C$ (a), against $\delta^{15} N$ (c), of $\delta^{66} Zn \pm 2\sigma$ values in dobsonflies against $\delta^{13} C$ (e), against $\delta^{15} N$ (g), and of $\delta^{26} Mg \pm 2\sigma$ in stoneflies (*Kamimuria* spp.) of different size from Upper Yasu in May 2018 against $\delta^{13} C$ (b), against $\delta^{15} N$ (d), of $\delta^{66} Zn \pm 2\sigma$ values in stoneflies against $\delta^{13} C$ (f) and against $\delta^{15} N$ (h).

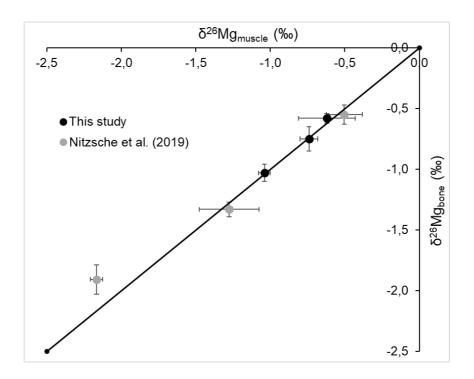


Figure S5. Bi-plot of $\delta^{26}Mg \pm 2\sigma$ in bones vs. $\delta^{26}Mg \pm 2\sigma$ in muscles of gobies. The solid black line represents a 1:1 line.

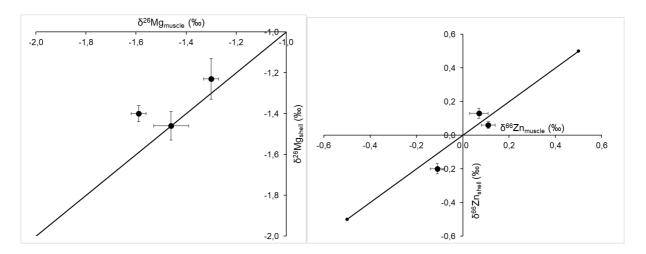


Figure S6. Bi-plot of $\delta^{26}Mg \pm 2\sigma$ in shells vs. $\delta^{26}Mg \pm 2\sigma$ in muscles and of $\delta^{66}Zn \pm 2\sigma$ in shells vs. $\delta^{66}Zn \pm 2\sigma$ in muscles of shrimps (right). The solid black lines represent 1:1 lines.