



## Correction to: The carbon pump supports high primary production in a shallow lake

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In the original publication, the subscript number 2 were incorrectly added without the subscript format as ‘CO2’ and ‘O2’ in Figs. 4 and 5 legends. The correct figure legends are given here.

**Fig. 4** Atmospheric fluxes of CO<sub>2</sub> and O<sub>2</sub> with the lake water. Average diel flux rates of CO<sub>2</sub> (**a**) and O<sub>2</sub> (**b**) May 30th–June 9th 2016. During this time of early summer the CO<sub>2</sub> flux is constantly positive from the atmosphere to the lake water. The oxygen flux varies from a nocturnal inward flux from the atmosphere to the lake water (above the dotted line) and an outward flux during the day. Dashed lines are 95% confidence intervals.

**Fig. 5** Relationships between daily NEP O<sub>2</sub>, NEP DIC and DIC removal. **a** NEP<sub>day</sub> O<sub>2</sub> vs. NEP<sub>day</sub> DIC;  $y = 0.97x - 7.5$ ,  $n = 29$ ,  $R^2 = 0.75$ . **b** NEP<sub>day</sub> O<sub>2</sub> vs. DIC removal:  $y = 0.65x - 8.3$ ,  $n = 29$ ,  $R^2 = 0.59$ . **c** NEP<sub>day</sub> DIC vs. DIC removal,  $y = 0.69x - 2.8$ ,  $n = 29$ ,  $R^2 = 0.84$ . The dotted lines are the fitted slopes of linear regressions, the dashed lines are the 1:1 lines.

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