**Online Supplement for**

**An evaluation of the flux-gradient and the eddy covariance method to measure CH4, CO2, and H2O fluxes from small ponds**

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**Figure S1.** Comparison of EC latent heat, CO2 and CH4 flux without frequency loss correction and with frequency loss correction. Also shown are regression equation, linear correlation (*r*) and significance (*p*). Parameter bounds on the regression coefficients are 95 % confidence intervals



**Figure S2.** Times series of the latent heat flux measured with the AE and the EC method



**Figure S3.** Times series of the CO2 flux measured with the AE and the EC method



**Figure S4.** Times series of the CH4 flux measured with the AE and the EC method