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Discussions

Supplement of

High-frequency monitoring reveals nutrient sources and transport processes in an agriculture-dominated lowland water system

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Supplement to: High-frequency monitoring reveals nutrient sources and transport processes in an agriculture-dominated lowland water system

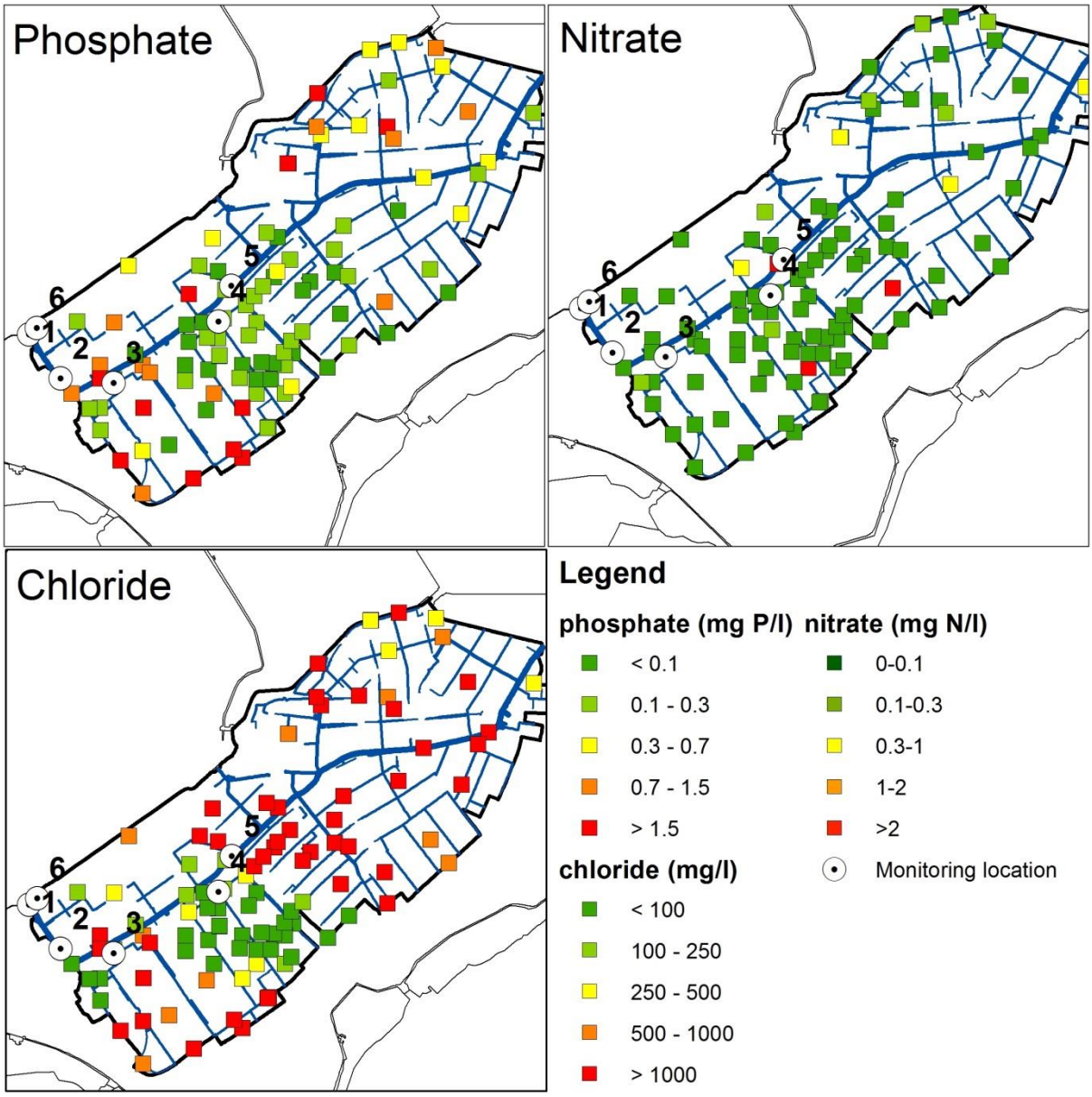


Figure S1. Phosphate, nitrate and chloride concentrations in groundwater down to 30 m depth (data from Griffioen et al., 2013).

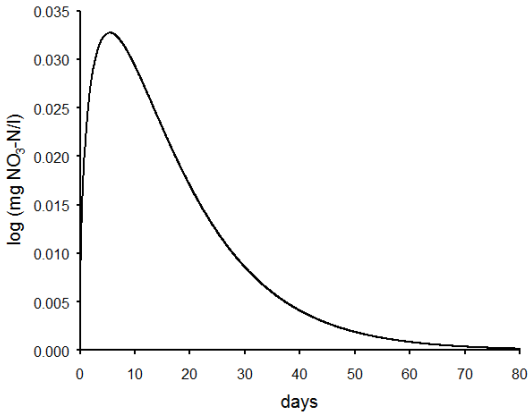


Figure S2. Impulse response function for log-nitrate concentration resulting from an impulse of 1 mm rainfall.

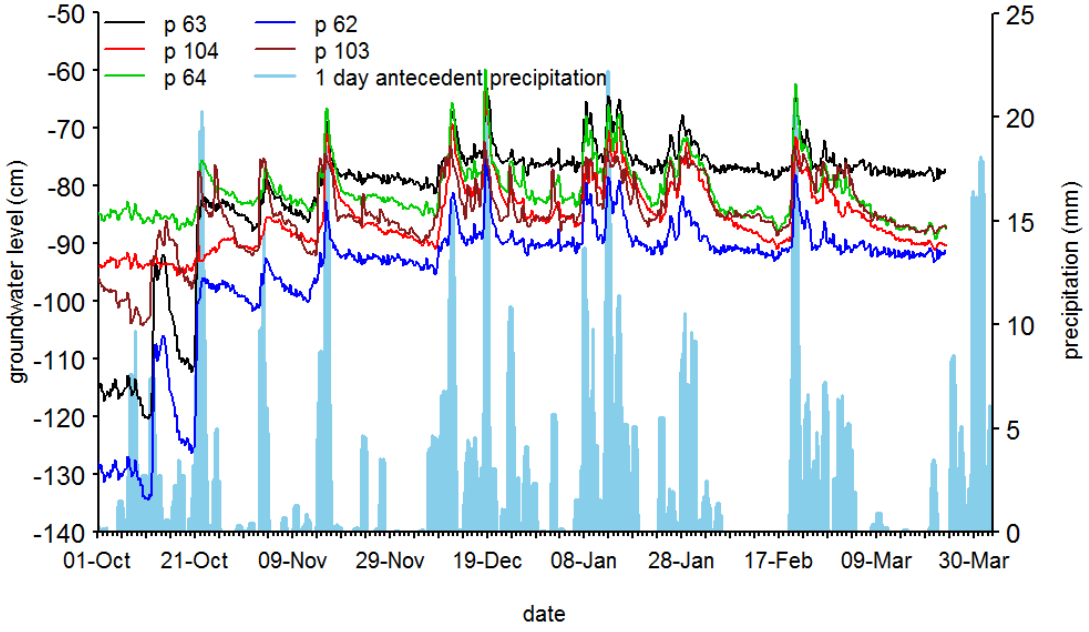
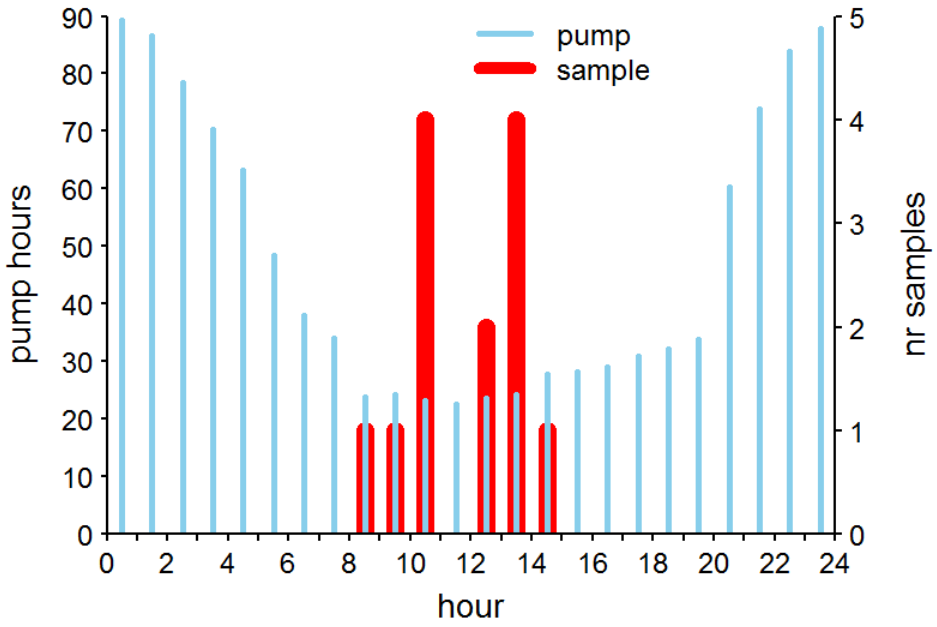


Figure S3. Groundwater levels (in cm below surface) within the Lage Afdeling drainage area. Fig. 1 for locations of the groundwater wells.



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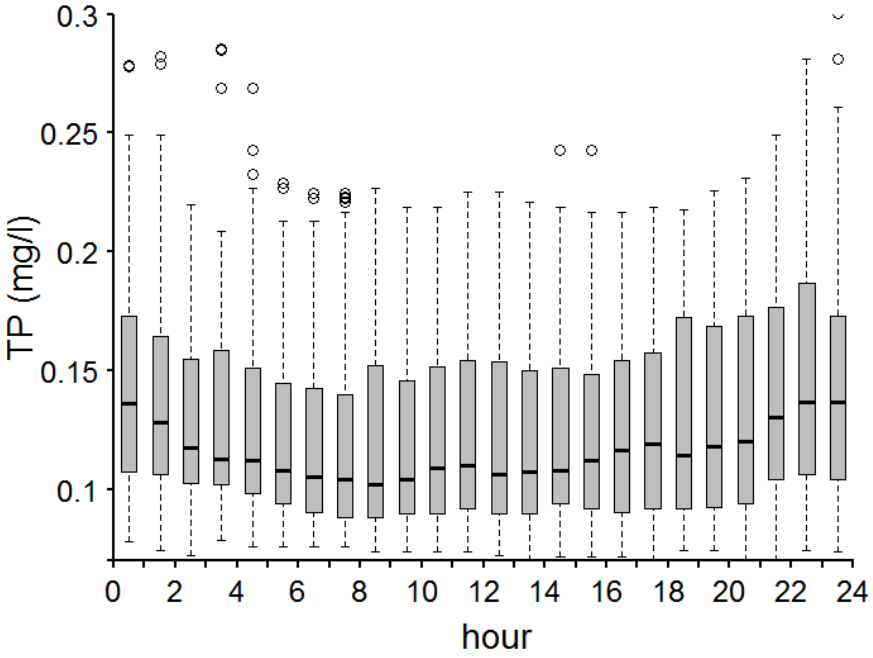

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3 Figure S4: Hourly distribution of pump hours and water quality sampling during the period Oct. 2014
4 – March – 2015 (A) and boxplots of measured TP concentrations during the months Jan. – Feb. 2015 .
5 The lower and upper side of the box represent the 0.25 and the 0.75 quantile. Whiskers extend to
6 the maximum and minimum value unless the values are larger than 1.5 times the box length. Open
7 circles are extreme values.