

Supplement of Hydrol. Earth Syst. Sci., 18, 3429–3448, 2014  
<http://www.hydrol-earth-syst-sci.net/18/3429/2014/>  
doi:10.5194/hess-18-3429-2014-supplement  
© Author(s) 2014. CC Attribution 3.0 License.



*Supplement of*

## **High-frequency monitoring of nitrogen and phosphorus response in three rural catchments to the end of the 2011–2012 drought in England**

**F. N. Outram et al.**

*Correspondence to:* F. N. Outram (f.outram@uea.ac.uk)

**Manuscript title:** High-frequency monitoring of nitrogen and phosphorus response in three rural catchments to the end of the 2011-12 drought in England

**Authors:** F. N. Outram<sup>1</sup>, C. Lloyd<sup>2</sup>, J. Jonczyk<sup>3</sup>, C. McW. H. Benskin<sup>4</sup>, F. Grant<sup>5</sup>, M. T. Perks<sup>6</sup>, C. Deasy<sup>4,6</sup>, S. P. Burke<sup>7</sup>, A.L. Collins<sup>5,8</sup>, Freer, J.<sup>2</sup>, P.M. Haygarth<sup>4</sup>, K. M. Hiscock<sup>1</sup>, P. J. Johnes<sup>2</sup> and A. A. Lovett<sup>1</sup>

### Supplementary material

**Table 1.** Relationship between laboratory samples and samples collected using bankside analysers using a Pearson correlation for each of the DTC tributary sites.

	<b>Blackwater</b>			<b>Wyle</b>		<b>Newby Beck</b>		
	TP (mg P L <sup>-1</sup> )	TRP (mg P L <sup>-1</sup> )	NO <sub>3</sub> -N (mg N L <sup>-1</sup> )	TP (mg P L <sup>-1</sup> )	NO <sub>3</sub> -N (mg N L <sup>-1</sup> )	TP (mg P L <sup>-1</sup> )	TRP (mg P L <sup>-1</sup> )	NO <sub>3</sub> -N (mg N L <sup>-1</sup> )
Pearson correlation coefficient	0.86	0.81	0.91	0.87	0.87	0.97	0.86	0.89
p value	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Mean of residuals	0.01	<0.01	0.05	-0.04	-0.31	<0.01	<0.01	<0.01
Standard deviation of residuals	0.01	0.01	0.42	0.07	0.38	0.03	0.03	0.13