



Minimal climate change impacts on natural organic matter forecasted for a potable water supply in Ireland

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Supplementary material

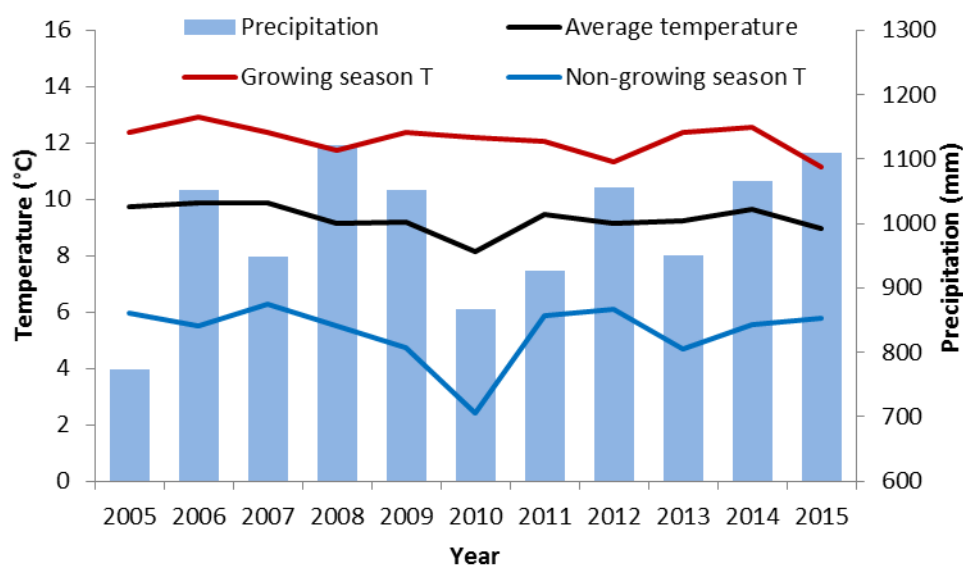


Figure S1. Annual meteorological records in the Boyne catchment recorded at Mullingar station (temperature) and at Kilskyre station (precipitation) for the calibration period. Mean temperature (T) in the growing season (April - October) and non-growing season (January - March and November-December) are also displayed.

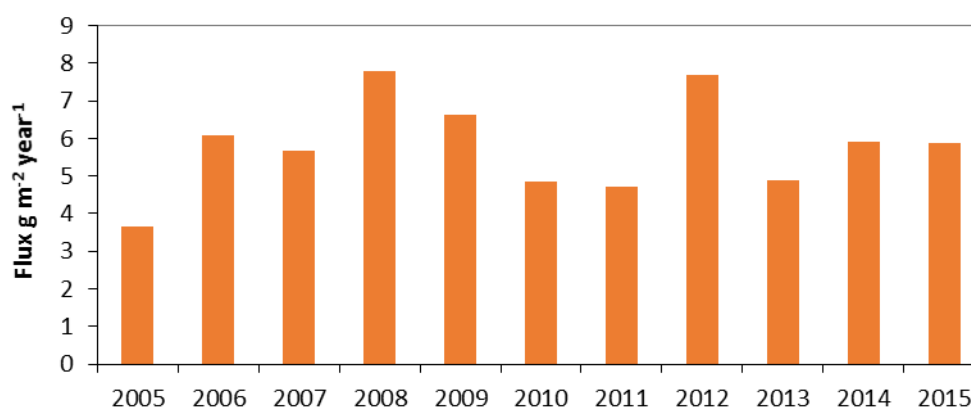


Figure S2. DOC export over the simulated time period (2005 - 2015) in the Boyne catchment.

Table S1 Model calibration data, initial conditions for SOC and DOC in the upper and lower soil horizons.

Land use class	Upper SOC (kg/ha)	Lower SOC (kg/ha)	Upper DOC (mg/L)	Lower DOC (mg/L)
Pasture	1E5	3E4	21	10
Agriculture	1E5	1E5	21	10
Forest	7E5	5E5	20	10
Peatland	7E5	5E5	40	40
Urban	2E5	1E5	5	5