Specific groundwater phosphorus vulnerability in two groundwater driven agricultural catchments

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1. P transfer via groundwater to rivers was investigated in two agricultural catchments

2. Fe-rich soils favour P mobilisation into soluble form and transfer to groundwater

3. P concentrations in near-stream groundwater influence stream P concentrations

4. Groundwater contribution to stream TRP flux was 50% and 59% in winter

5. Susceptibility of P via groundwater should be considered for mitigation.

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