Wensum Roadside Constructed Wetlands — Measured Sediment and Phosphorus Capture in a Norfolk Demonstration Test Catchment (UK)

PES & Nature-Based Solutions · Good practice · United Kingdom

Quality score: 33/100

Evidence strength: Cautionary / limited

Summary

Three roadside settling wetlands built in 2016 on a Wensum tributary: the linear one retained ~7.3 t of sediment and 11.6 kg of phosphorus in a year; low-flow bias caveats the 82% load cut.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	1/3
Biodiversity — conservation / improvement, evidenced	0/3
Water & soil — retention, infiltration, erosion control	2/3
Fire resilience — risk reduction, evidenced	0/3
Governance, certification & transferability	2/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-10-30

University of East Anglia / River Wensum Demonstration Test Catchment — accessed 2026-10-30

Journal of Environmental Management paper (DOI) — accessed 2026-10-30

PubMed record — accessed 2026-10-30

UEA Wensum Alliance research — accessed 2026-10-30

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