

Houtan Park — Constructed Wetland Water Treatment on a Reclaimed Shanghai Brownfield

PES & Nature-Based Solutions · Good practice · China

Quality score: 53/100

Evidence strength: Descriptive / self-reported

Summary

A 14-hectare former steel-mill and shipyard on Shanghai's Huangpu River was rebuilt as a 1-mile constructed wetland that biologically treats ~2,400 tonnes of river water a day, lifting it from Grade V to Grade II/III while buffering floods.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-23

[Turenscape \(Kongjian Yu\), for the Shanghai Expo Coordination Bureau](#) — accessed 2026-08-23

[Landscape Performance Series case study](#) — accessed 2026-08-23

[Turenscape project page](#) — accessed 2026-08-23

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