

East Kolkata Wetlands: Sewage-Fed Fisheries Treating Kolkata's Wastewater

PES & Nature-Based Solutions · Good practice · India

Quality score: 53/100

Evidence strength: Observational / pre–post

Summary

A 125 km² Ramsar wetland east of Kolkata where cooperative fisheries treat ~910 million litres of the city's sewage daily, supply about a third of its fish and sustain ~50,000 livelihoods — though encroachment has shrunk it by over a third since the 1990s.

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 2026-08-27

[East Kolkata Wetlands Management Authority](#) — accessed 2026-08-27

[Ramsar Sites Information Service](#) — accessed 2026-08-27

[Wikipedia — East Kolkata Wetlands](#) — accessed 2026-08-27

[The Climate Group — EKW as a nature-based solution](#) — accessed 2026-08-27

[Health risk assessment, East Kolkata Wetlands \(PMC\)](#) — accessed 2026-08-27

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