

Jakkur Lake Constructed-Wetland Rejuvenation — Bengaluru's Sewage-to-Ecosystem-Service Water Fund

PES & Nature-Based Solutions · Good practice · India

Quality score: 47/100

Evidence strength: Observational / pre–post

Summary

Bengaluru's state development authority built a ~4.6-hectare constructed wetland to treat 10 million litres/day of sewage before it reaches Jakkur Lake, cutting BOD 66% and COD 45%, restoring habitat for 197 recorded bird species and livelihoods for 70 fishing families.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	0/3
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 2026-08-07

[Bangalore Development Authority \(BDA\) / Bruhat Bengaluru Mahanagara Palike \(BBMP\) / Jala Poshan Trust](#) — accessed 2026-08-07

[Mongabay India — The story of Jakkur lake sets an example for inclusive rejuvenation projects](#) — accessed 2026-08-07

[Rejuvenation of Lakes — Insights from the success story of Jakkur Lake \(ResearchGate\)](#) — accessed 2026-08-07

[Biome Environmental Trust — Wetland Maintenance, Jakkur Lake](#) — accessed 2026-08-07

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