

Kingston Harbour & Palisadoes Mangrove Restoration — Blue-Carbon Flood Defence for Jamaica's Capital

PES & Nature-Based Solutions · Good practice · Jamaica

Quality score: 40/100

Evidence strength: Moderate

Summary

A World Bank/PROFOR study found Jamaica's mangroves prevent an estimated US\$32.7m/year in flood damage; NEPA, UWI and partners have restored roughly 6,000 sq m of mangroves along Kingston's Palisadoes strip since 2018, a small fraction of the ~2,000 ha lost since 1989.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	1/3
Biodiversity — conservation / improvement, evidenced	0/3
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

[National Environment and Planning Agency \(NEPA\), UWI Centre for Marine Sciences, with Ocean Cleanup and GraceKennedy Foundation](#) — accessed 2026-08-27

[Jamaica Information Service — Jamaica's Mangroves Worth Millions](#) — accessed 2026-08-27

[Mongabay — Jamaica battles relentless plastic pollution in quest to restore mangroves](#) — accessed 2026-08-27

[World Bank/PROFOR — Forces of Nature: The Flood Protection Benefits and Restoration Costs for Mangroves in Jamaica](#) — accessed 2026-08-27

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