

Guyana Mangrove Restoration Programme — Nature-Based Sea Defence vs. Concrete Seawalls

PES & Nature-Based Solutions · Good practice · Guyana

Quality score: 40/100

Evidence strength: Moderate

Summary

Guyana has restored over 500 hectares of coastal mangroves as a lower-cost alternative to concrete sea defences, which cost the state around USD 14 million a year to maintain; a new NAREI/GGGI pilot targets 120 more hectares to protect 1,000 ha of farmland.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	1/3
Biodiversity — conservation / improvement, evidenced	1/3
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 2026-08-25

National Agricultural Research and Extension Institute (NAREI), with EU GCCA and Global Green Growth Institute / Korea Forest Service support — accessed 2026-08-25

GGGI: Green-grey infrastructure pilot press release — accessed 2026-08-25

DPI Guyana: Government investment in mangrove restoration — accessed 2026-08-25

PANORAMA Solutions: Guyana Mangrove Restoration Project — accessed 2026-08-25

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