Bahía de Asunción & Banco San Miguel Reserve — An Urban Shorebird Stopover Degraded by Waterfront Road Dredging (Paraguay, A Cautionary Case)

PES & Nature-Based Solutions · Good practice · Paraguay

Quality score: 13/100

Evidence strength: Cautionary / limited

Summary

Asunción's bay was made a legal reserve in 2005 and a WHSRN shorebird site in 2008 (280 bird species). Dredging for the Costanera road from 2010 turned over half of the 100 ha of shorebird habitat into deep water. Peak Buff-breasted Sandpiper counts fell fourfold.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-11-17

Guyra Paraguay; Municipality of Asunción — accessed 2026-11-17

Lesterhuis et al. 2024 — Impact of habitat change on Buff-breasted Sandpiper, Wilson J. Ornithology — accessed 2026-11-17

Audubon — Key Paraguayan IBA being destroyed (2010) — accessed 2026-11-17

WHSRN — Bahía de Asunción site profile — accessed 2026-11-17

La Nación — Un llamado para proteger los humedales de Asunción (2022) — accessed 2026-11-17

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