

Futian Mangrove Carbon Sink — Shenzhen's Government-Verified, Publicly Auctioned Blue Carbon Credits

PES & Nature-Based Solutions · Good practice · China

Quality score: 53/100

Evidence strength: Observational / pre–post

Summary

Shenzhen verified 38,745 t of mangrove-protection carbon sink at Futian Nature Reserve (2010-2020) and auctioned 3,875 t in China's first mangrove carbon-credit sale (Sept 2023), returning proceeds to conservation via a locally issued, third-party-verified methodology.

Key dimensions

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

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-09-12

[Shenzhen Municipal Planning and Natural Resources Bureau; Shenzhen Transaction Group](#) — accessed 2026-09-12

[Shenzhen Government Online — 1st mangrove carbon sink auction planned](#) — accessed 2026-09-12

[Frontiers in Marine Science — China's blue carbon governance for sustainable development](#) — accessed 2026-09-12

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