

Roatán Marine Park Lionfish Removal Programme

PES & Nature-Based Solutions · Good practice · Honduras

Quality score: 33/100

Evidence strength: Cautionary / limited

Summary

Roatán Marine Park licenses divers (\$70 fee) to spear invasive Indo-Pacific lionfish across Honduras's Bay Islands; a peer-reviewed 2017 study found 95% lower lionfish biomass and 30% higher native prey-fish density on regularly harvested reefs versus unharvested sites.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	0/3
Biodiversity — conservation / improvement, evidenced	3/3
Water & soil — retention, infiltration, erosion control	0/3
Fire resilience — risk reduction, evidenced	0/3
Governance, certification & transferability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-07-16

[Roatán Marine Park / Bay Islands Conservation Association](#) — accessed 2026-07-16

[Reef Resilience Network case study](#) — accessed 2026-07-16

[PeerJ: Anderson et al. 2017 lionfish removal study](#) — accessed 2026-07-16

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