

Arcata Marsh and Wildlife Sanctuary — Constructed Wetlands Treating Municipal Wastewater (USA)

PES & Nature-Based Solutions · Good practice · United States of America

Quality score: 40/100

Evidence strength: Moderate

Summary

Arcata (California) completes conventional wastewater treatment with 307 acres of constructed wetlands that double as a wildlife sanctuary; 300+ bird species recorded and a university thesis finds satisfactory, improving water-quality enhancement.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	0/3
Biodiversity — conservation / improvement, evidenced	2/3
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 2026-10-03

[City of Arcata](#) — accessed 2026-10-03

[City of Arcata — Marsh & Wildlife Sanctuary](#) — accessed 2026-10-03

[Wikipedia — Arcata Wastewater Treatment Plant and Wildlife Sanctuary](#) — accessed 2026-10-03

[Humboldt State University thesis — beneficial uses of the Arcata Marsh](#) — accessed 2026-10-03

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