

Mashike Steel-Slag Seagrass Beds — Japan's First Fisheries-Cooperative/Private-Company Joint Blue Carbon Credit

PES & Nature-Based Solutions · Good practice · Japan

Quality score: 47/100

Evidence strength: Observational / pre–post

Summary

In Mashike, Hokkaido, Nippon Steel and the local fisheries cooperative turned steelmaking slag into a growth substrate for seaweed beds, generating Japan's first blue-carbon credit jointly certified to a private company and a fishing community.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	2/3
Biodiversity — conservation / improvement, evidenced	2/3
Water & soil — retention, infiltration, erosion control	0/3
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

[Nippon Steel Corporation / Mashike Fisheries Cooperative Association](#) — accessed 2026-09-12

[Japan Ministry of the Environment — Case Study on Blue Carbon Initiatives in Japan](#) — accessed 2026-09-12

[Carbon Pulse — Japanese steel firm plans national roll-out of blue carbon projects](#) — accessed 2026-09-12

[Earth Lab — What Is J Blue Credit?](#) — accessed 2026-09-12

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