

Banff National Park Wildlife Crossings — Trans-Canada Highway Mitigation Programme

PES & Nature-Based Solutions · Good practice · Canada

Quality score: 40/100

Evidence strength: Moderate

Summary

Parks Canada's 44 wildlife crossings along Banff's Trans-Canada Highway recorded 200,000+ animal crossings since 1996, cut collisions ~80% (96% for elk/deer), and a peer-reviewed genetics study confirms gene flow for grizzly and black bears.

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	3/3

Evaluated by C-NAPSE

Data sources

C-NAPSE web research — accessed 2026-08-25

Parks Canada, with the Western Transportation Institute and University of Montana — accessed 2026-08-25

Parks Canada — Wildlife crossings, Banff National Park — accessed 2026-08-25

Sawaya et al. 2014, Proceedings of the Royal Society B — Genetic connectivity for two bear species at wildlife crossing structures — accessed 2026-08-25

Cite this — Evidoria. *Banff National Park Wildlife Crossings — Trans-Canada Highway Mitigation Programme*. Persistent ID: 3b426ffd-85ca-4959-877e-4c10e14c2194.