

Gdańsk's Multi-Level Stormwater Retention — 30 Reservoirs and 200+ Rain Gardens Since 2001 (Poland)

PES & Nature-Based Solutions · Good practice · Poland

Quality score: 33/100

Evidence strength: Cautionary / limited

Summary

Gdańsk raised stormwater retention from 200,000 m³ (2001) to 760,000 m³ (2024) via reservoirs plus 200+ rain gardens and green depressions; no widespread flooding in the July 2025 cloudburst. Impact is reported by the operator, not independently evaluated.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	0/3
Biodiversity — conservation / improvement, evidenced	1/3
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 2026-10-11

Gdańskie Wody (City of Gdańsk water and stormwater utility) — accessed 2026-10-11

Daily Mare — Gdańsk withstands record rainfall (2025) — accessed 2026-10-11

Gdańsk University of Technology — NBS in urban water management (UBC Umbrella, 2021) — accessed 2026-10-11

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