

Quantifying Coastal Erosion and Assessing Infrastructure Risk for Ga Mashie Fishing Communities: A Geospatial Analysis of the Accra- Tema Shoreline,

A, m, a, S, e, r, w, a, h, M, e, n, s, a, h, ,, K, w, a, m, e, A, s, a, n, t, e, ,, K, o,
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| Abstract

This study addresses a current research gap in Environmental Science concerning Quantifying Coastal Erosion along the Accra-Tema Shoreline, Ghana with Historical Aerial Photography and UAV Surveys: Assessing Infrastructure Loss Risks for Ga Mashie Fishing Communities in Ghana. The objective is to clarify key debates, identify practical implications, and outline a focused agenda for scholarship and policy. A qualitative approach was used, drawing on recent literature and policy sources to frame the analysis. The analysis indicates persistent structural constraints alongside emerging local innovations; however, evidence remains uneven across contexts and sectors. The paper argues for context-specific approaches and stronger empirical foundations in future research. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Quantifying Coastal Erosion along the Accra-Tema Shoreline, Ghana with Historical Aerial Photography and UAV Surveys: Assessing Infrastructure Loss Risks for Ga Mashie Fishing Communities, Ghana, Africa, Environmental Science, working paper This structured abstract provides a standardised summary to support rapid screening, indexing, and assessment of scholarly contribution.

