



# Adaptive Landscapes for Livelihood Security in the Lake Victoria Region of Uganda: A Restoration Project Analysis

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## Abstract

The Lake Victoria region of Uganda faces challenges such as soil erosion, water pollution, and declining fish populations due to overfishing. These issues threaten livelihood security for local communities. Qualitative data were collected from interviews with project stakeholders, focus group discussions, and document reviews. Data analysis involved thematic coding to identify patterns and themes related to project outcomes and community engagement. ALRP has demonstrated a significant improvement in soil fertility and water quality, which have positively influenced agricultural productivity by up to 20% among participating households, contributing to more stable livelihoods. The ALRP successfully fosters adaptive landscapes that integrate ecological restoration with socio-economic development strategies, providing a replicable model for other regions facing similar challenges. Policy makers should prioritise integrated ecosystem management and community participation in future projects. Local communities need to be engaged in planning and decision-making processes to ensure long-term sustainability. Lake Victoria region, Adaptive Landscapes Restoration Project (ALRP), livelihood security, soil fertility, water quality

**Keywords:** *Geographical, Ecosystem Services, Adaptive Management, Community-Based Conservation, Livelihood Dynamics, Ethnography, Participatory Evaluation*

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