

IN TRANSITION TOWARDS A CIRCULAR FUTURE IN NORTH-EAST SECTION OF NAIROBI RIVER

An exploration of potential (re)implementation of circular resource management in Dandora, Kenya

This graduation project addresses the problem of waste management in Nairobi, Kenya. The current inadequate waste management throughout Nairobi remains a spatial challenge as it contributes to health concerns, threatens local ecologies, and degrades public space. Analyzing waste flows, the social construct and in particular community-based-organizations which are catalyzing local challenges to enhance community participation brings forth a set of solutions.

By combining circular economy principles, the strengths of community-based-organizations and proposing schools as collection point, this study develops a roadmap towards a circular, healthy and green future. By defining a spatial program at the urban river front of the Nairobi River, as well systemic interventions this roadmap has ambition to improve the local environment and give answer to local needs.

INTENDED OUTCOME

SCIENTIFIC EXPERTISE COMBINED WITH LOCAL PRACTICES

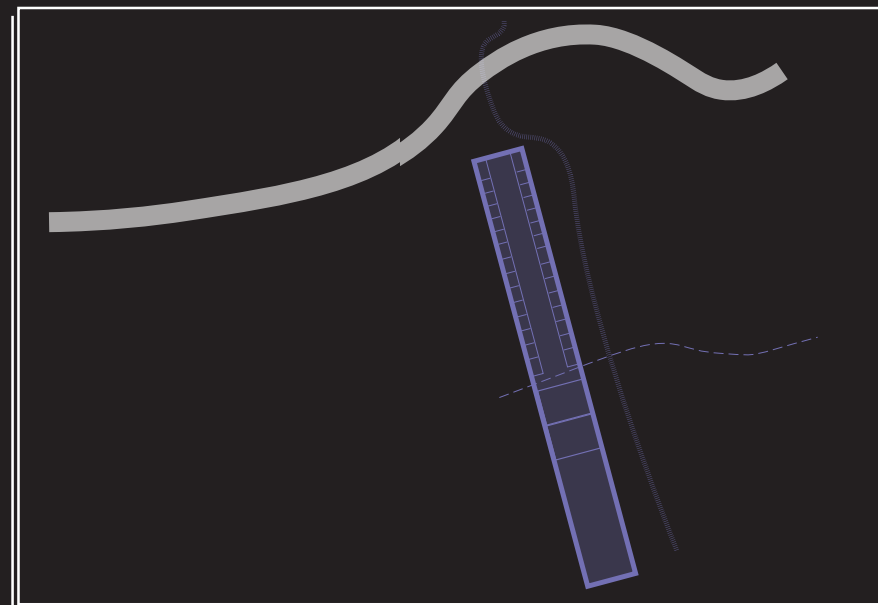
MAIN PROBLEM

What is the most effective way to use combined knowledge to guide local resource management into implementation of circular concepts in the north-east section of the Nairobi River?

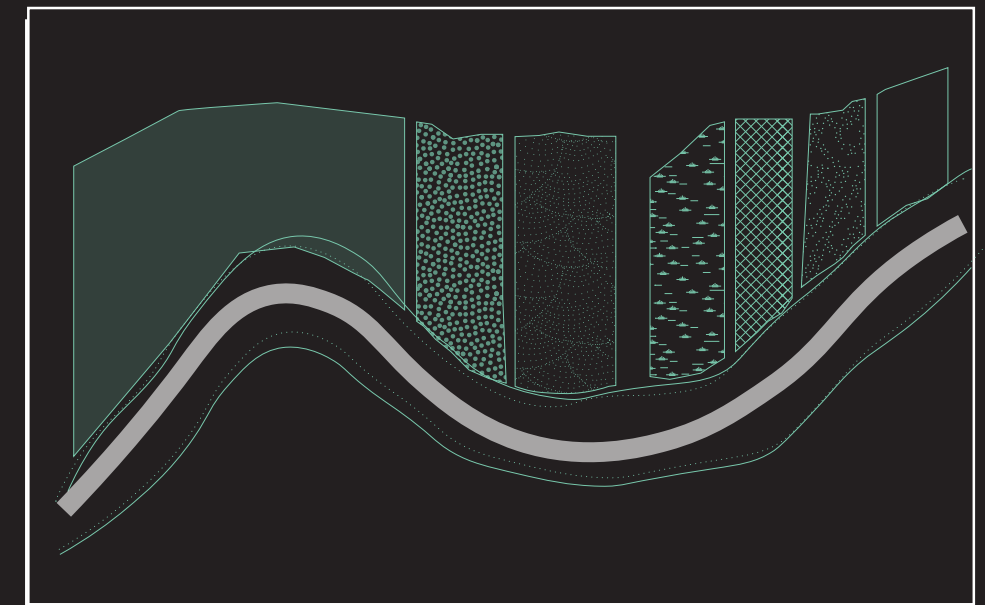
LOCAL GOAL



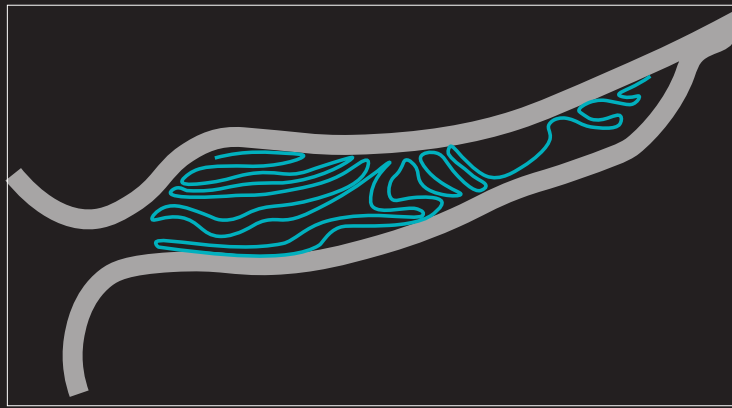
Dandora school



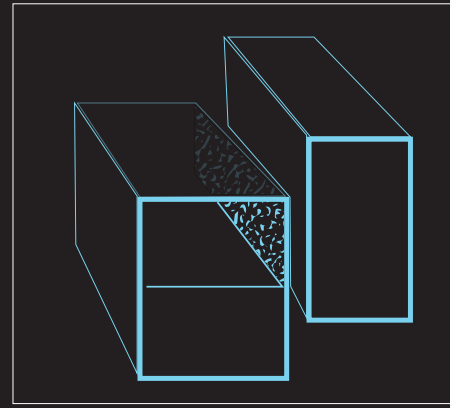
Production scape



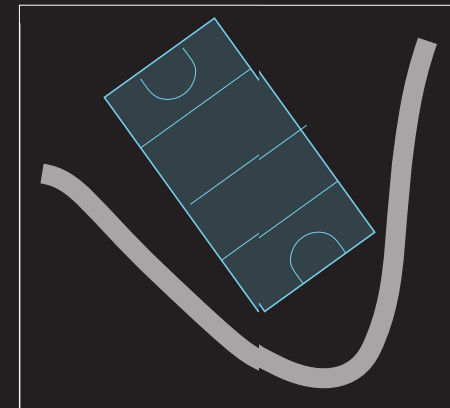
Community garden



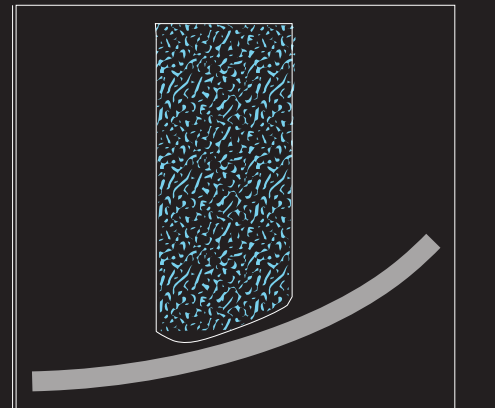
River Restoration



Art center



Sportsfield



Playground

