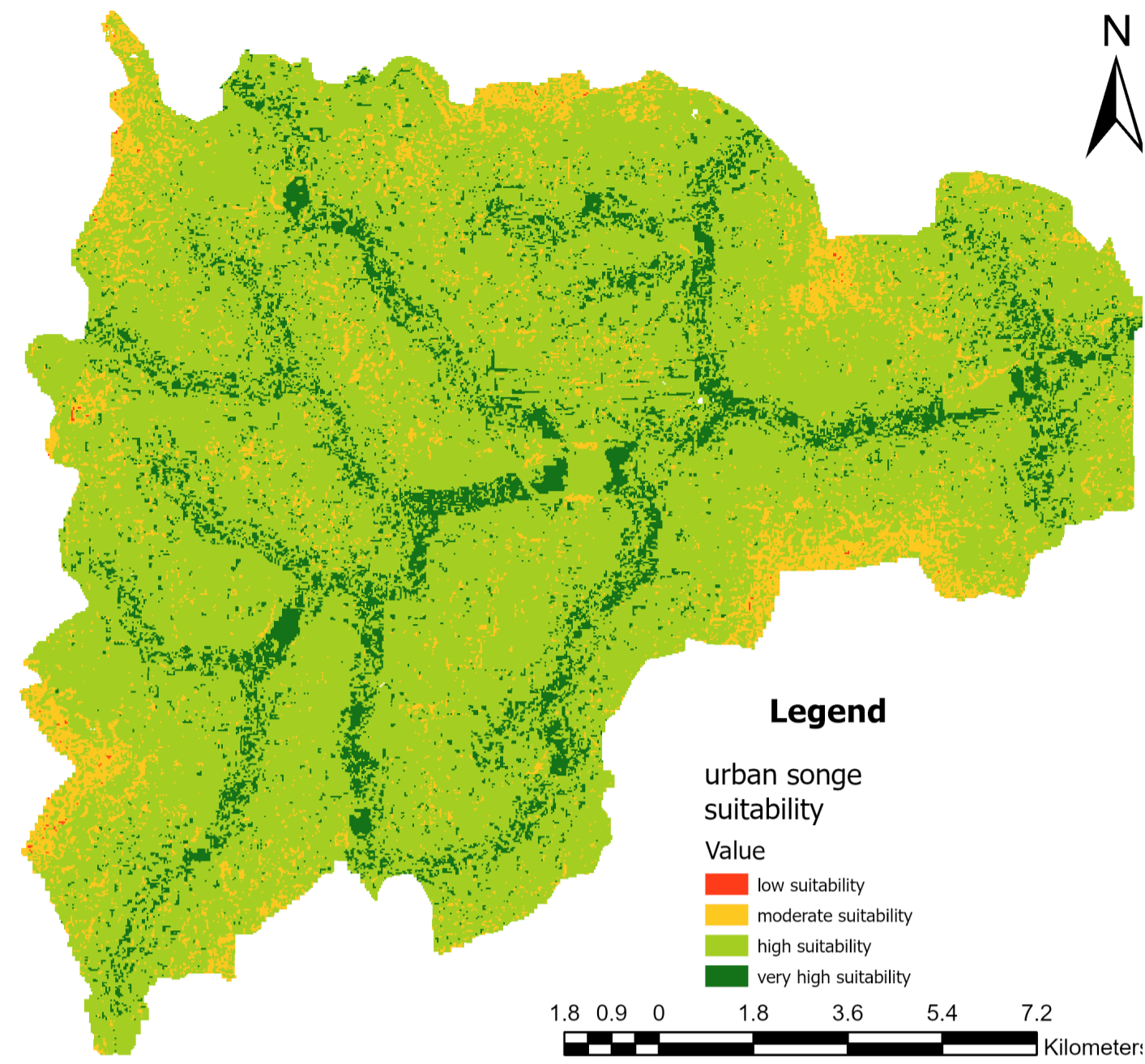


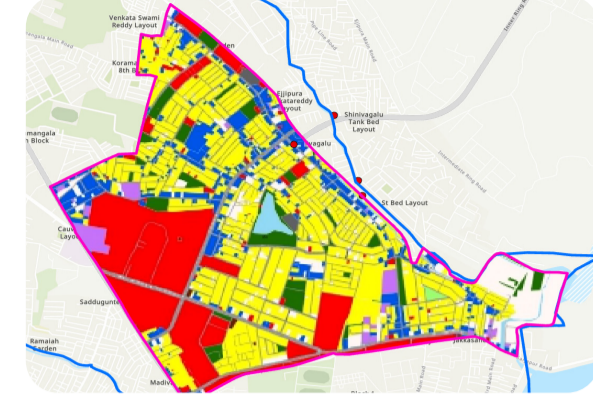
URBAN SPONGE SUITABILITY MAP



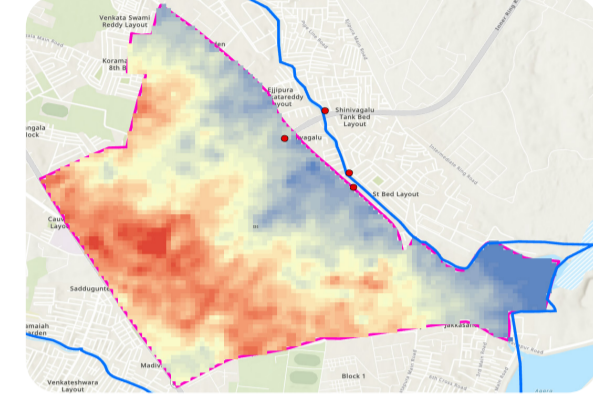
Urban sponge suitability maps is a potentiality map showcasing the regions within the study area which are suitable for the urban sponge strategies. The map is achieved through a weighted overlay analysis where inputs included Topography, slope, LULC, NDVI, proximity from drains, proximity from the road. The high suitable areas are demarcated in the dark green colour are thr places where urban sponges and permeability strategies can be

URBAN SPONGE STRATEGY MAP - WARD LEVEL

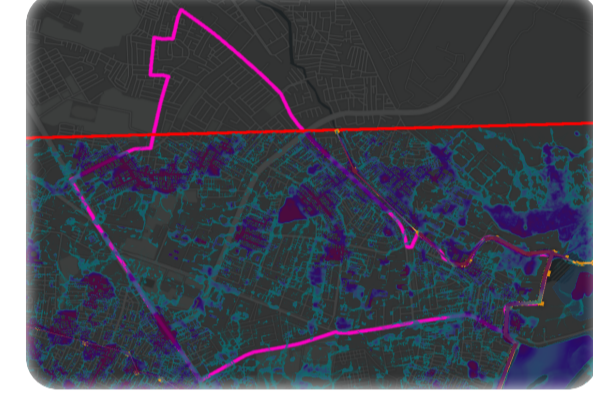
EXISTING LAND USE MAP



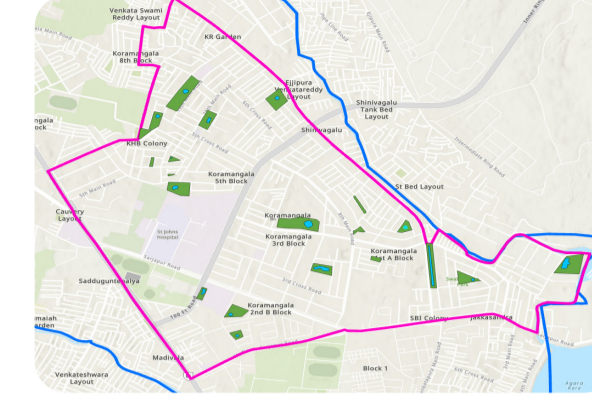
TOPOGRAPHY MAP



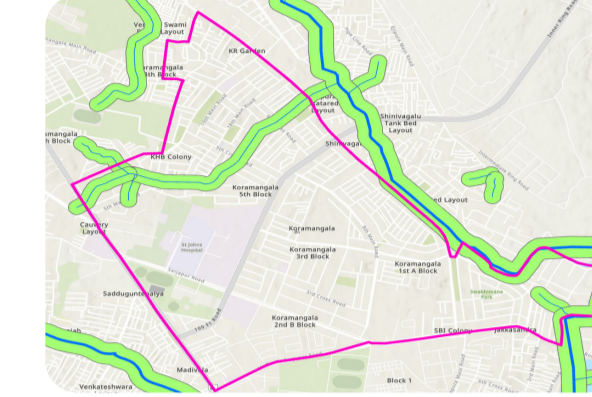
FLOOD SIMULATION MAP



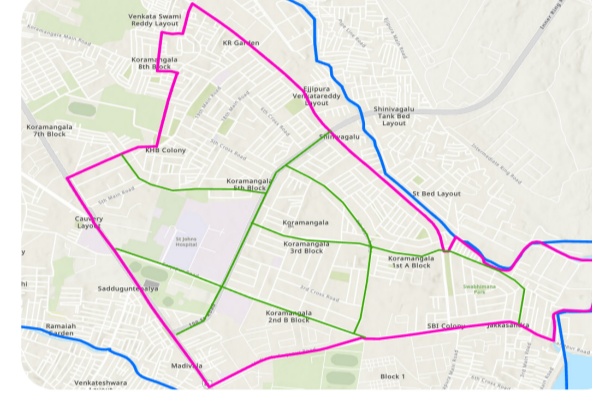
PROPOSED RAIN GARDENS



PROPOSED BIOSWALES AROUND DRAINS



PROPOSED GREEN CORRIDORS

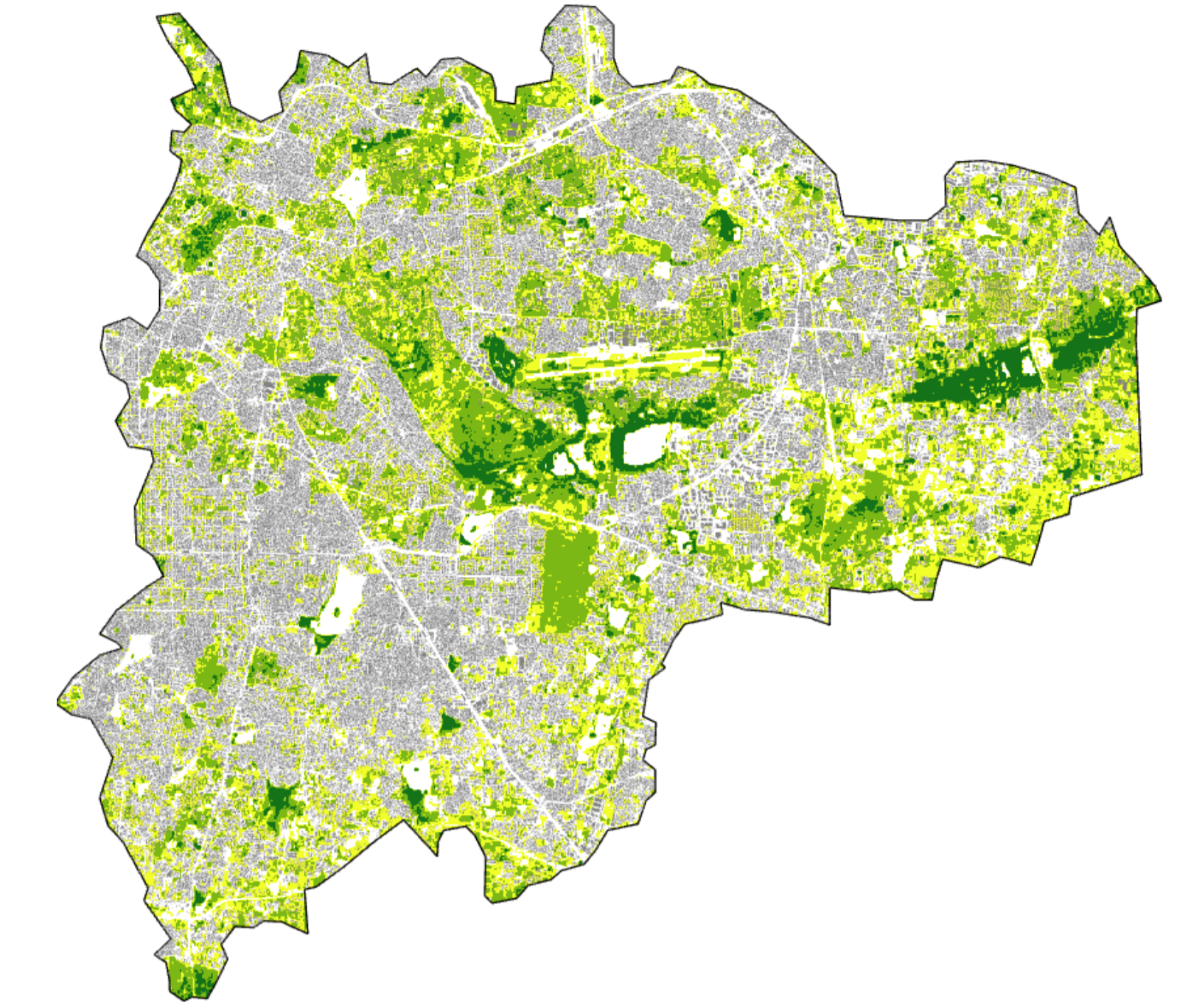


COMPREHENSIVE URBAN SPONGE MAP

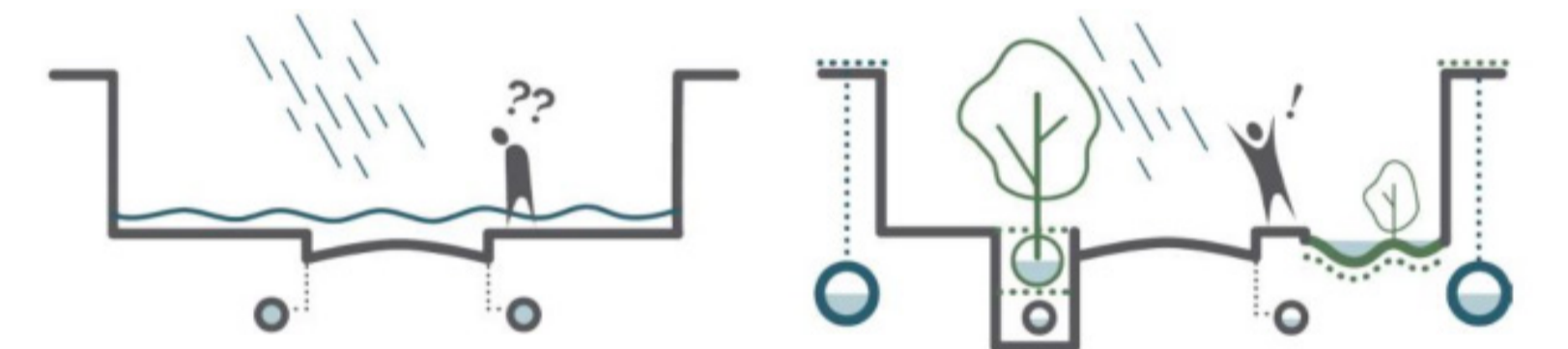


URBAN SPONGE AND PERMEABILITY STRATEGIES

NDVI MAP OF KC VALLEY (2024)



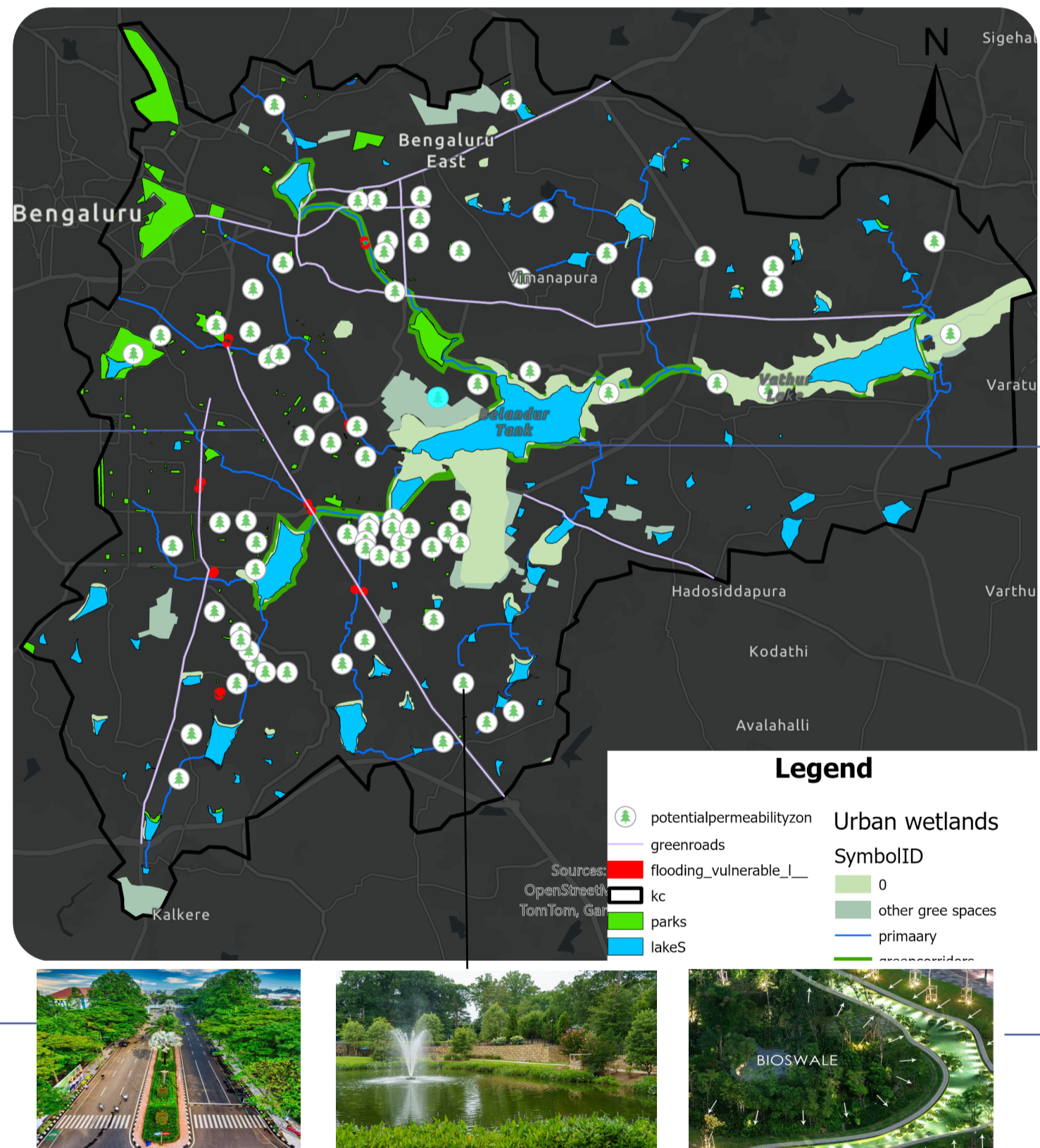
To ensure regular NDVI analysis to ensure that there is no reduction in the existing green cover



Difference in just storm water management and with integrated sponge strategies

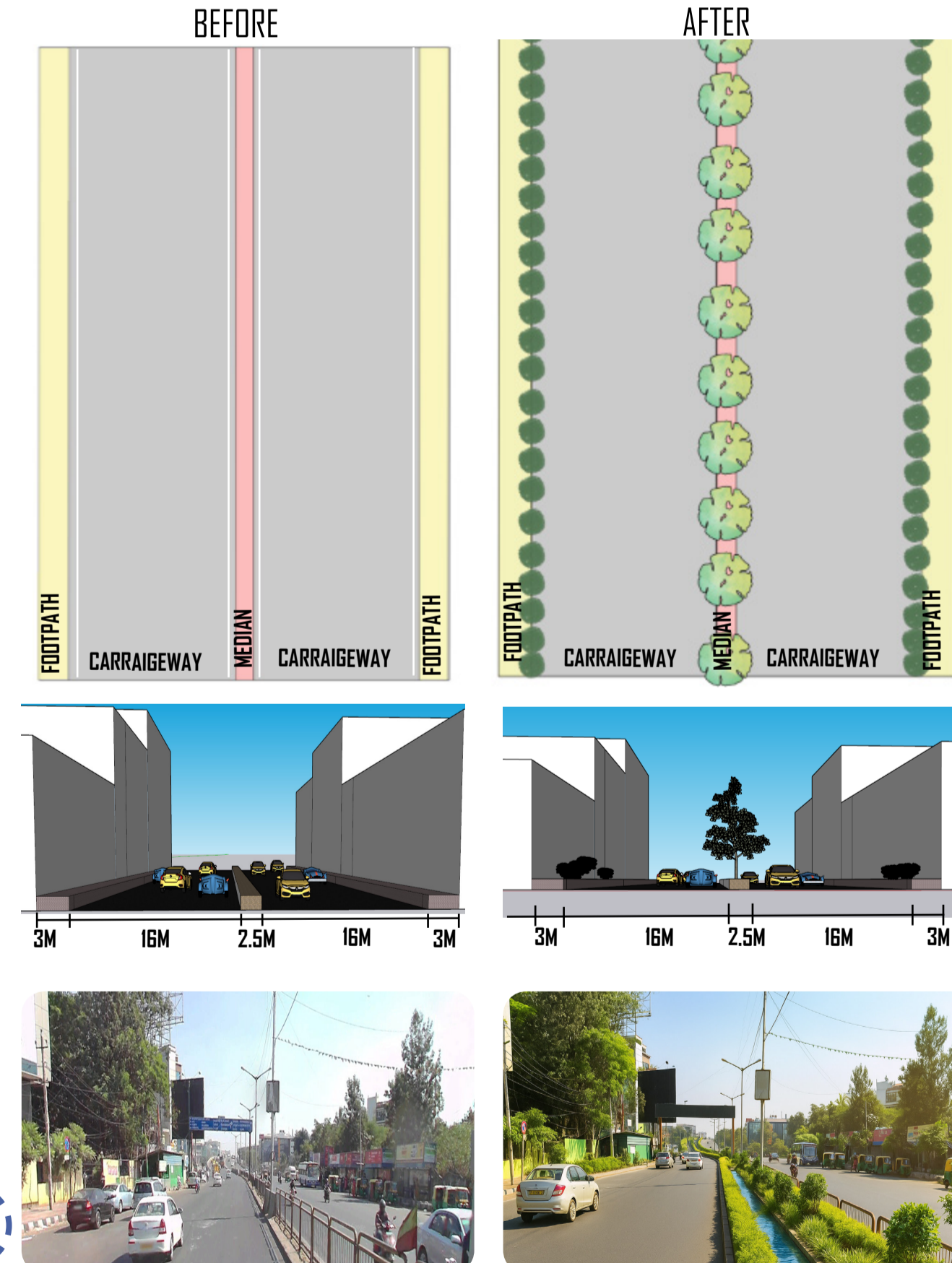


COMPREHENSIVE URBAN SPONGE STRATEGIES



The map represents integrated strategies which can be implemented at a macro level in the study area. This map provide a comprehensive on how the sponge strategies can be implemented at a macro scale.

URBAN SPONGES STRATEGIES FOR STREETS



INTEGRATED URBAN SPONGE APPROACH



MITIGATING URBAN FLOODS : A PLANNING STUDY ON CONNECTING BLUE-GREEN NETWORK IN KORAMANGALLA - CHALLAGHATTA VALLEY IN BENGALURU CITY

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DRAWING NO: 13