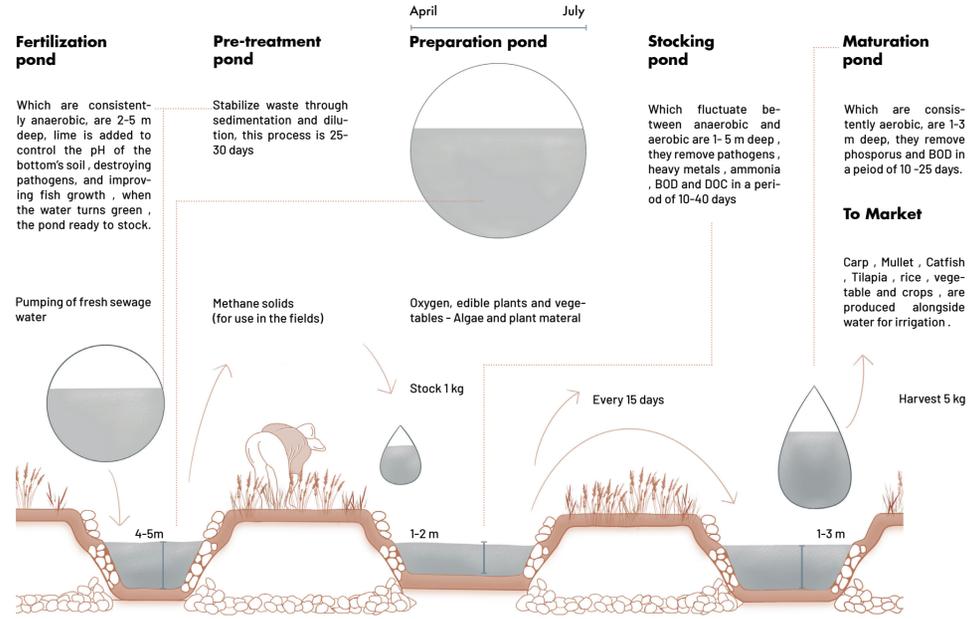


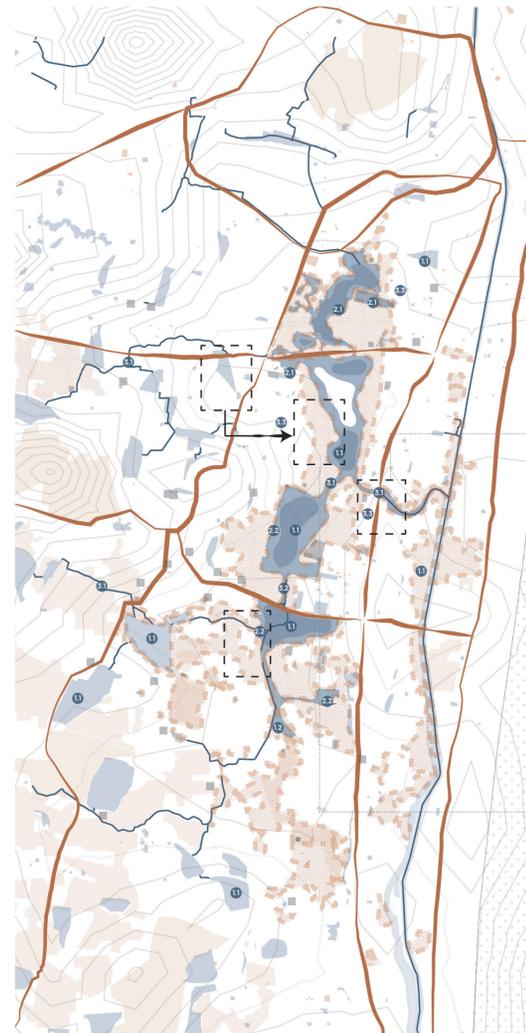
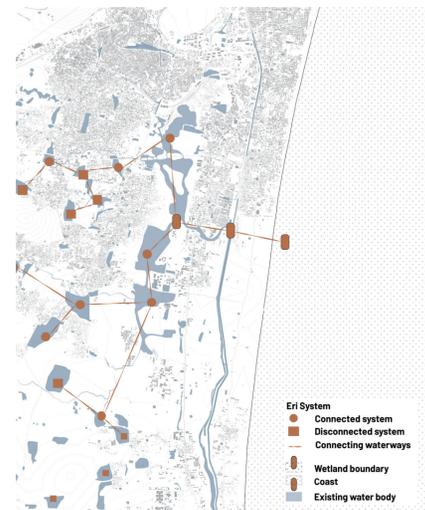
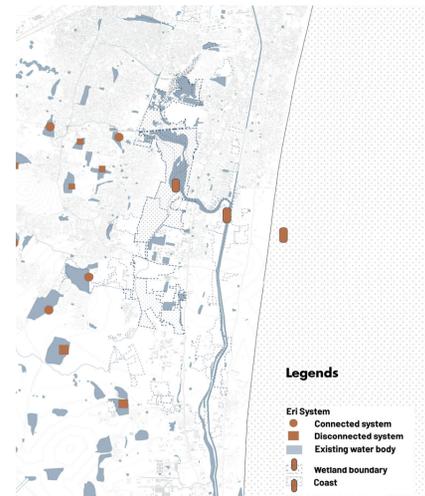
05 STRATEGY- Water Urbanism

WATER URBANISM

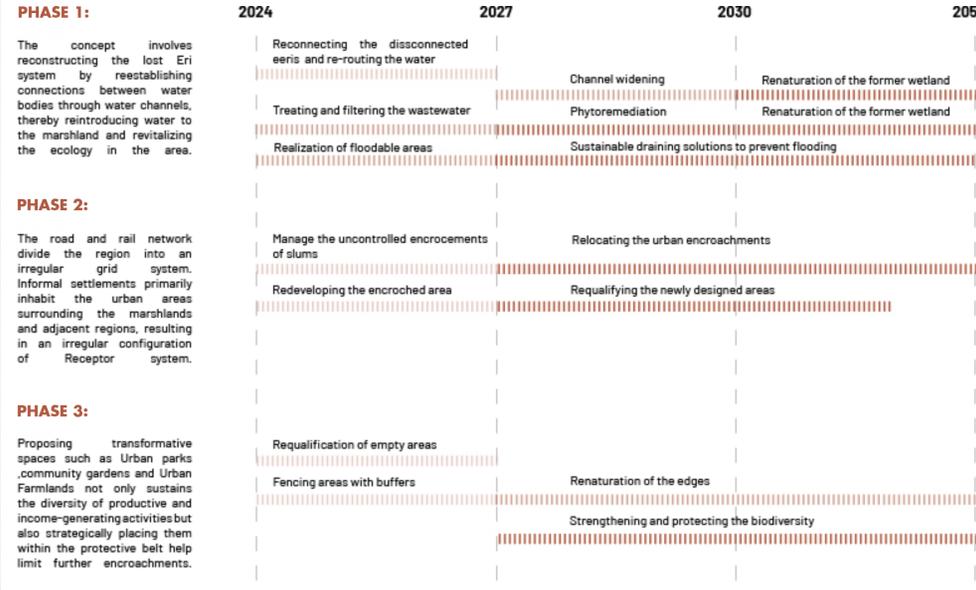
WATER IN ACTION- BHERI SYSTEM



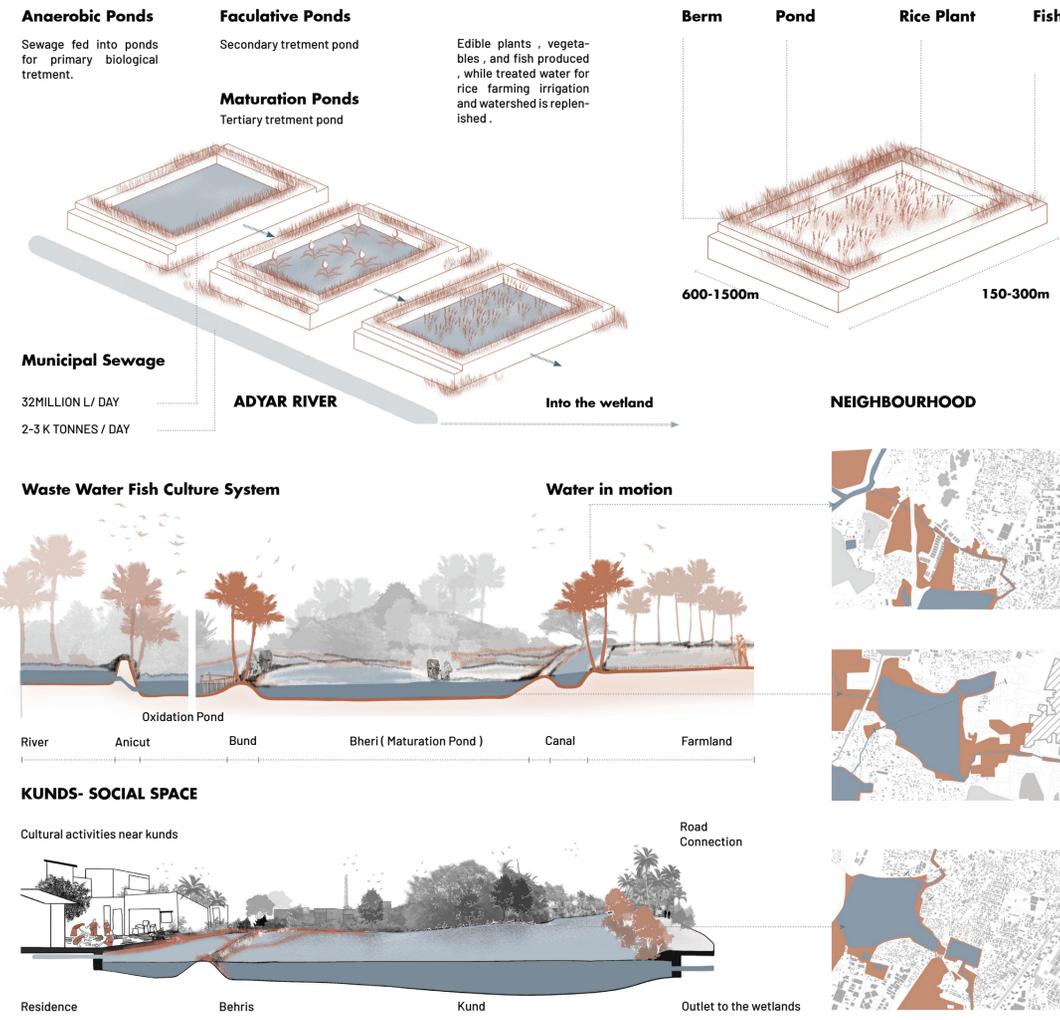
PHASE 1 : WATER SYSTEM RECONNECTION



PHASE DIAGRAM



WORKING OF THE SYSTEM



STRATEGY

METROPOLITAN

Reinforcing the old eri water system and creating an ecological web which encloses the Chennai Metropolitan region. Reconnecting the lost cultural system by creating a balance between economy and ecological systems.

CITY

The Marshland act as a Transition point between Urban region and sea. Its depletion act as the biggest threat to the city.

The idea is convert the methane pool into a carbon sink.

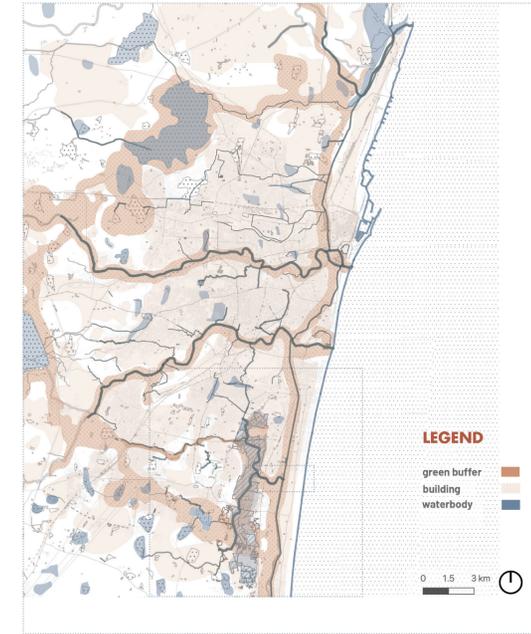
NEIGHBOURHOOD

Ignorance by local government and local authorities poses threat to the traditional knowledge of pisciculture and agriculture.

Proposing bheri system and kund system reconnecting people with nature.

METROPOLITAN STRATEGY

REINFORCING THE NETWORK



URBAN STRATEGY

The Pallikarai marshland holds immense significance in Chennai as one of the city's last remaining natural wetlands. Its preservation is vital for several reasons. Firstly, it serves as a haven for a diverse range of plant and animal species, including endangered birds, contributing to regional biodiversity conservation efforts. Secondly, the marshland acts as a natural buffer against flooding, absorbing excess rainwater and mitigating flood risks for nearby communities. Additionally, it plays a crucial role in recharging groundwater aquifers, ensuring sustainable water availability in the region.

To prevent this marshland from further degradation multiple strategies have been put into place to ensure revitalization and requalification of this important ecological hotspot.

PHASE 1 :

Re-establishing connectivity within the Eri system is crucial to restoring the link between the blue and green systems in Chennai Metropolitan. The initial step involves reuniting the water channels, guiding them from ponds and tanks to the Marshlands.

EXISTING CONDITION

