

Lake Rejuvenation- Kurichi Lake and Mylsandra Lake



Presented by
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CDD Society



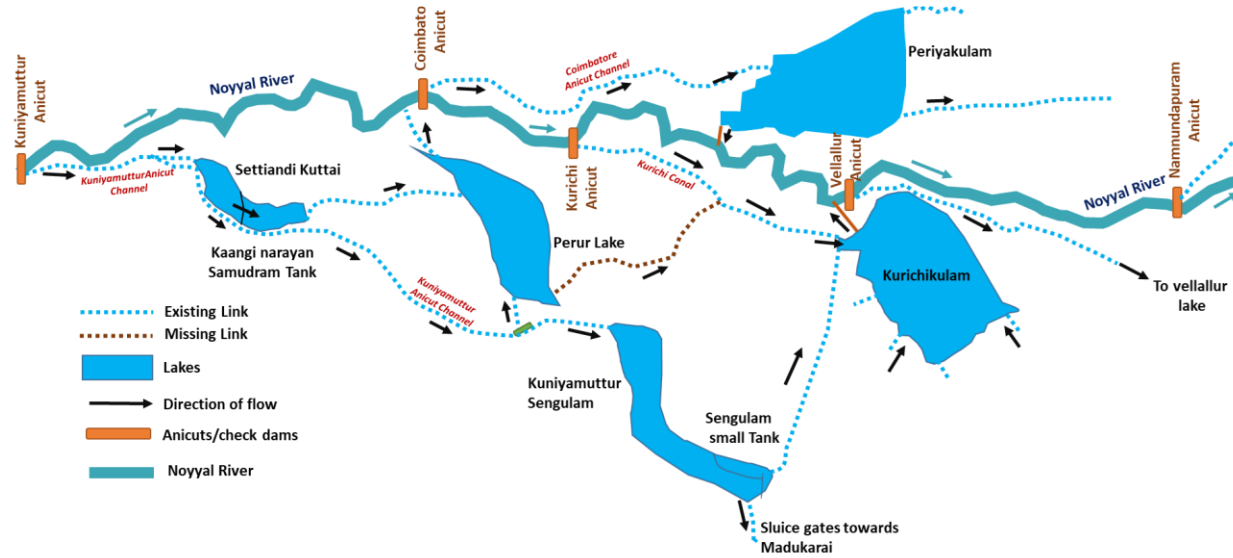
Alumni workshop and Masterclass

Eco restoration of Kurichi Lake, Coimbatore

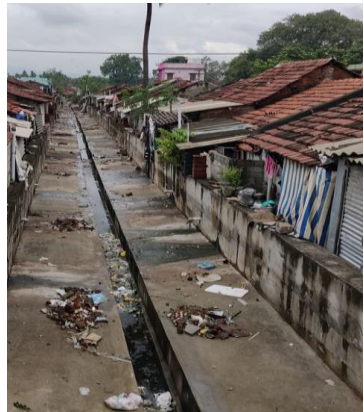
Client : Coimbatore Smart city Limited

Allocated Budget: 49 crores

Organisations involved: CDD Society, Oasis Designs Inc, Alcon consulting Engineers



Encroachments



Solid waste dumping



Sewage Inflow- 4MLD



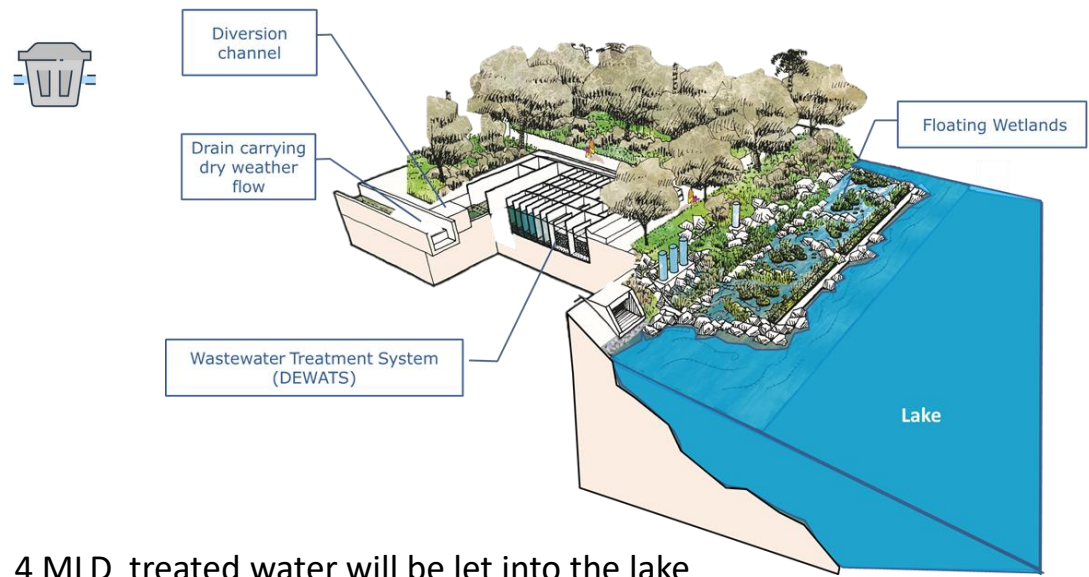
Damaged Bunds



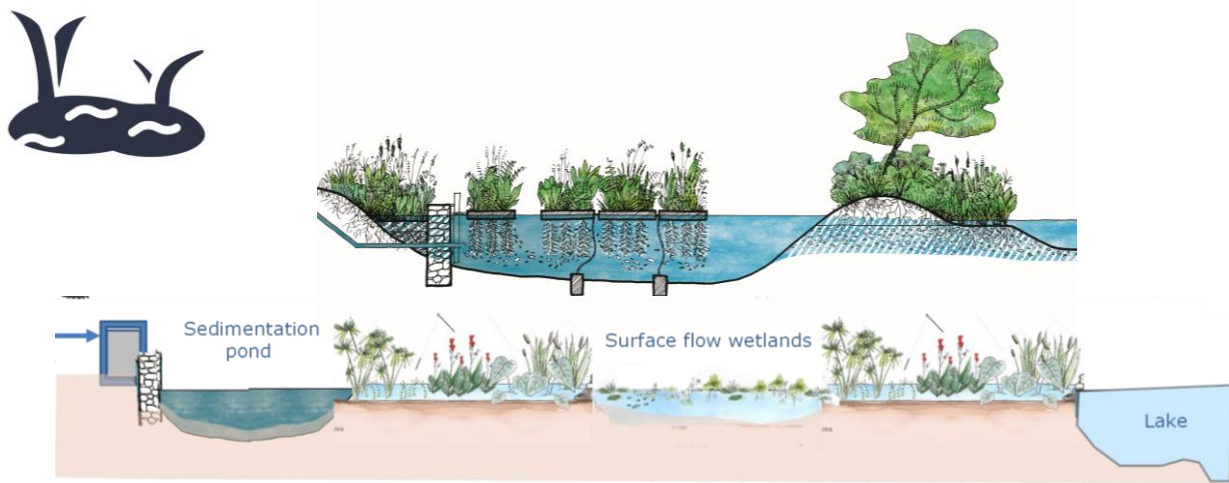
Flooding Issues



Proposed solutions and interventions- Implementation yet to start



4 MLD treated water will be let into the lake

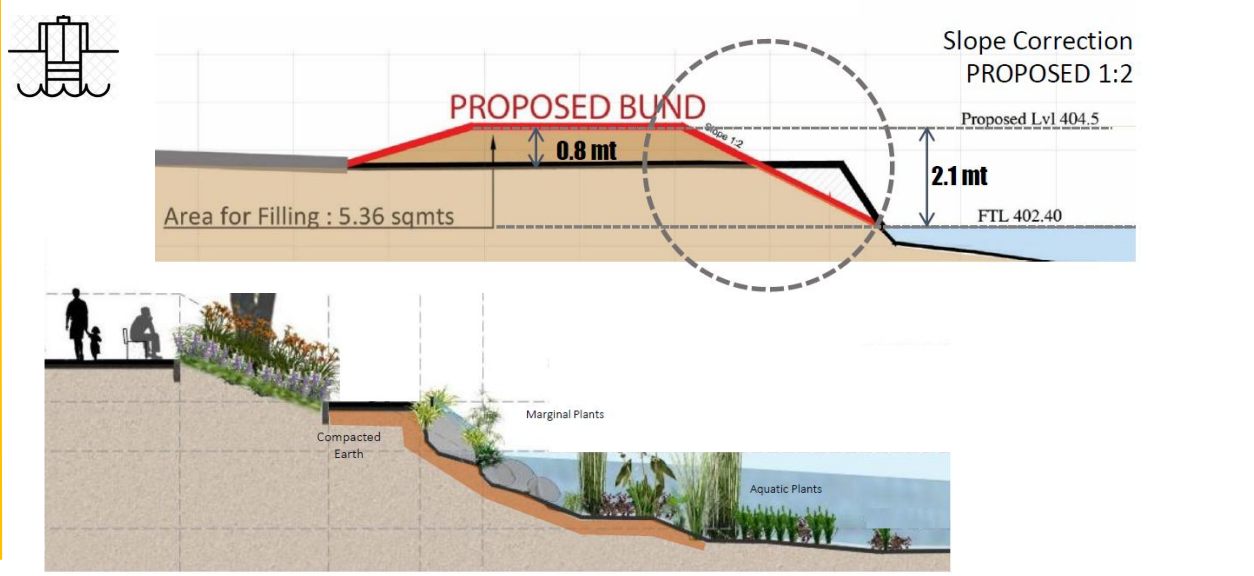


- 8% of the lake area will be converted to wetlands
- Increase green Cover to 20 acres (on Bunds and Bird Islands)- Increase in Biodiversity



5km-Walkway and cycle track will be implemented.

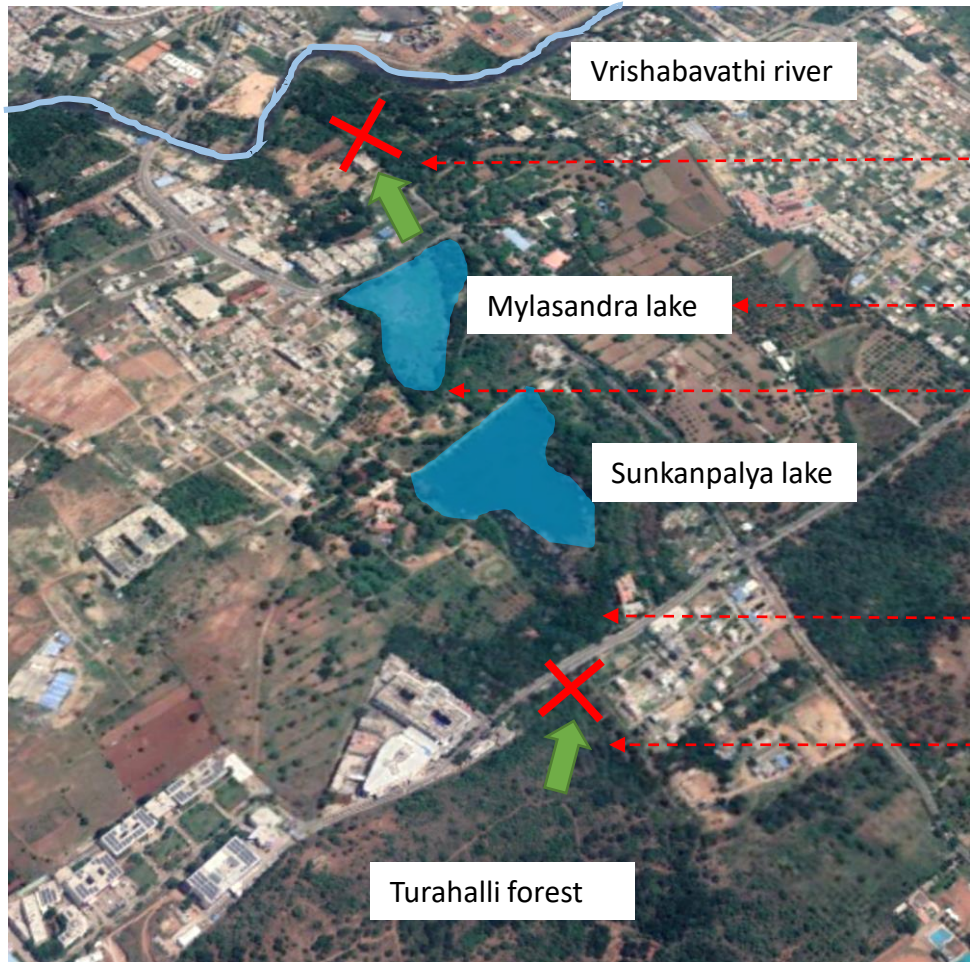
Source image : Oasis Designs Inc



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Mylasandra and Sunkanpalya lakes, March 2020- July 2020

Kengeri, Bangalore



Mylasandra lake 1
Area: 12.26 Acres

Sunkalpalya lake
Area: 15.42 Acres

Encroachment on the downstream side blocking overflow of lakes to the river

Drying up of lake due to insufficient water sources

Encroachment leading to disconnection between the two lakes

Blockage of runoff from Turahalli forest



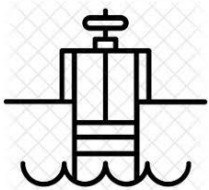
Entry of sewage & solid waste from nearby establishments



Proposed solutions and interventions



Wastewater treatment plants to treat sewage from surrounding establishments and to discharge good quality water into the lake.



Implementing hydraulic structures and other infrastructure such as channels, drains etc to re-establish connections between catchment , lakes and the river.



Securing the lake from solid-waste and construction debris dumping, anti social elements and further encroachment by building proper fences and compound walls.



Refurbishing the wetlands of the lakes to shape them into water treatment infrastructures as well as to enhance biodiversity aspects.



Implementing proper walkways and strengthening bunds at *select sections* of the lake boundaries to develop it into a public open space for the local community while ensuring that birds and aquatic species are left undisturbed.

Key learnings from CSE's training

Taking note from CSE's Advanced training on urban lake management, stakeholders were actively identified and consulted to understand the issues and various perspectives pertaining to the lakes deterioration. This exercise was immensely useful to develop a vision for rejuvenation plan and to define clear objectives.

The characteristics of the lake and its significance in the catchment was considered to imagine the future of the lake.

Action plans for the rejuvenation process will be prioritized according to their importance in fulfilling objectives. This will be used to seek and secure funds with support from the governing body of the lakes.

We are looking each and every project with an holistic view and there has been a change in approach (inclined towards the social angle) on every interventions that is proposed.

We have also used the knowledge and skills gained at CSE in developing Waterbody rejuvenation(WBR) Training at CDD Society for Govt Officials in Tamilnadu

Exposure to many successful rejuvenation projects helped us develop 2 Major publications- WBR Approach Publication and Compendium of WBR Case studies in India.(Free copy available at www.cddindia.org).

Moving forward, governing bodies, organizations, NGOs and local citizen groups will be roped in to ensure the sustainability of interventions and proper maintenance (Proposed a CLCMA at Coimbatore)

Ongoing projects and Future Plans

We are working on about 6 waterbodies across India and about 4-5 projects are on an enquiry stage.

Thankyou