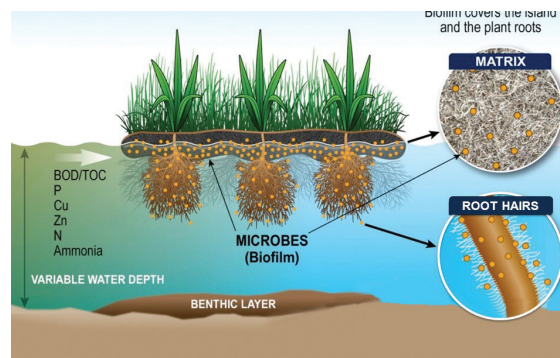


Floating Islands

HARTUNG POND IN MILWAUKEE, WI

BACKGROUND

The City of Milwaukee installed six floating islands in Hartung Park which is shared with the City of Wauwatosa. The floating islands were chosen as an innovative best management practice for improving **water quality** as well as to increase **biodiversity**. These islands serve as a great example of a **sustainable green infrastructure** tool.



FAST FACTS

- 1,800 square feet of islands were launched in a storm water pond in September, 2018
- The recycled matrix mat kept **45,000 plastic bottles** out of landfills and uses them instead to improve water quality
- **Native aquatic plugs** were planted such as Great Blue Lobelia, Boneset, Cardinal Flower, Crooked Stem Aster, Bluejoint Grass and more to attract **pollinators**
- Each island was enclosed with goose fencing to protect the plants and was anchored to go up and down with changing water levels

FTW TECHNOLOGY

Floating Treatment Wetlands (FTW's) biomimic natural wetlands. Made from matrix that is recycled, BPA-free, PET plastic, the islands support plants that grow long roots below the island. The plants and the open-cell structure matrix attract microbes which form a **sticky biofilm**. The biofilm and microbial communities trap and reduce pollutants, leading to better **water quality**. The islands also provide wetland habitat to create a new floating ecosystem.



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