Rain Gardens in Worcester

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Problem
Runoff Pollution

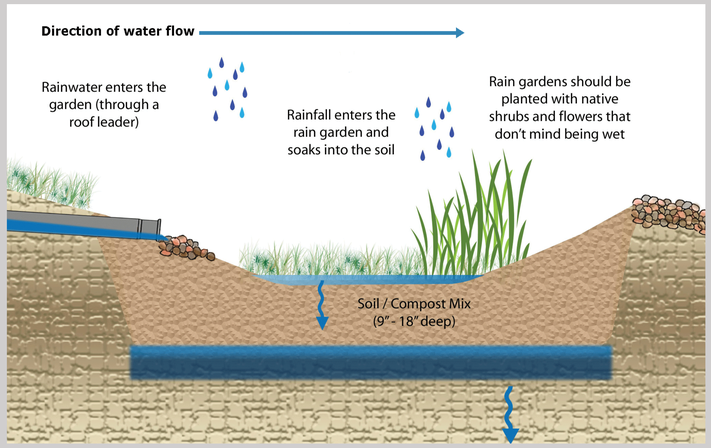
Combined Sewage Overflow
- **Cause eutrophication and increase disease vectors**

Heavy Metals
- **Leeched from impermeable surfaces (Pb, Zn, & Cu)**

Phosphorus
- **Small quantity causes eutrophication**

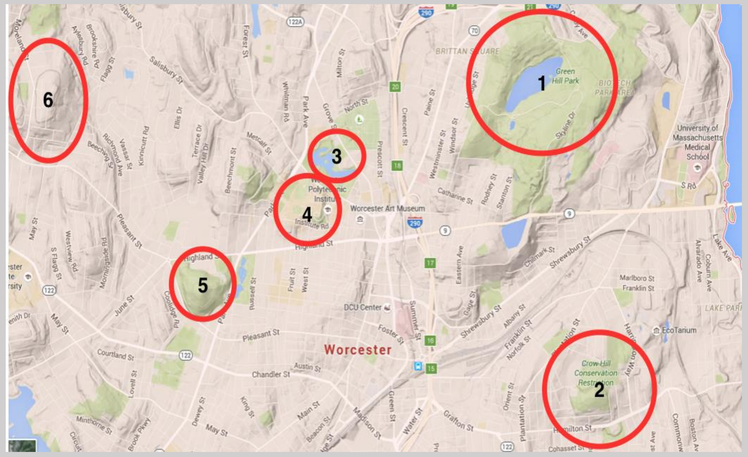
Nitrogen
- **Large quantity needed for eutrophication**

Solution
Rain Garden



Function of a Raingarden

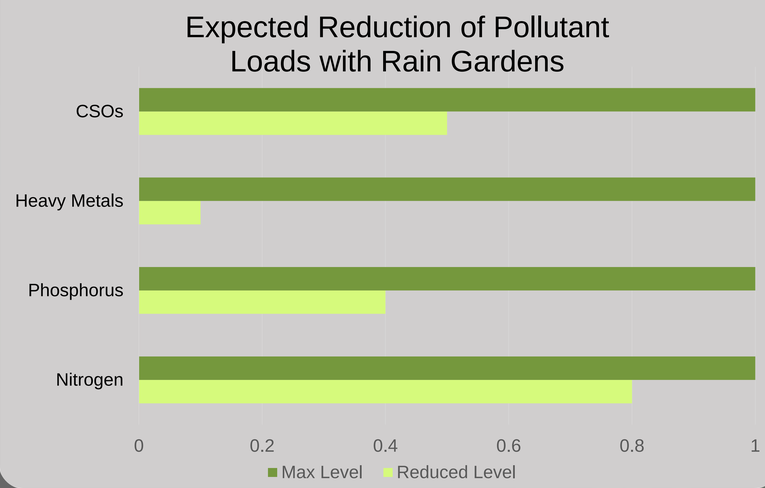
Potential Locations
(Worcester)



Recommended rain garden sites

Data Collection & Analysis

Interviews → Comparative Case Study Analysis



Implementation

Plant	Quantity	Price $	Total $
Giant Hyssop	7	19.49	136.43
White Turtle-head	8	8.98	71.84
Joe Pye Weed	4	8.98	35.92
Switchgrass	5	12.98	64.90
			309.09

This is for a 36 square foot rain garden with one plant for every 1.5 square feet. It would be able to absorb the runoff for approximately 108 square feet.

Do-it-yourself App

UCONN

Created by University of Connecticut to help people learn about rain gardens. The QR above will link iPhones to the App Store to download the app.

References

Image Source
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