Building a Better Future: Implementing Green Infrastructure to Reduce Combined Sewer Overflows

HUTGERS

Morgan Mark

New York City Green Infrastructure Plan

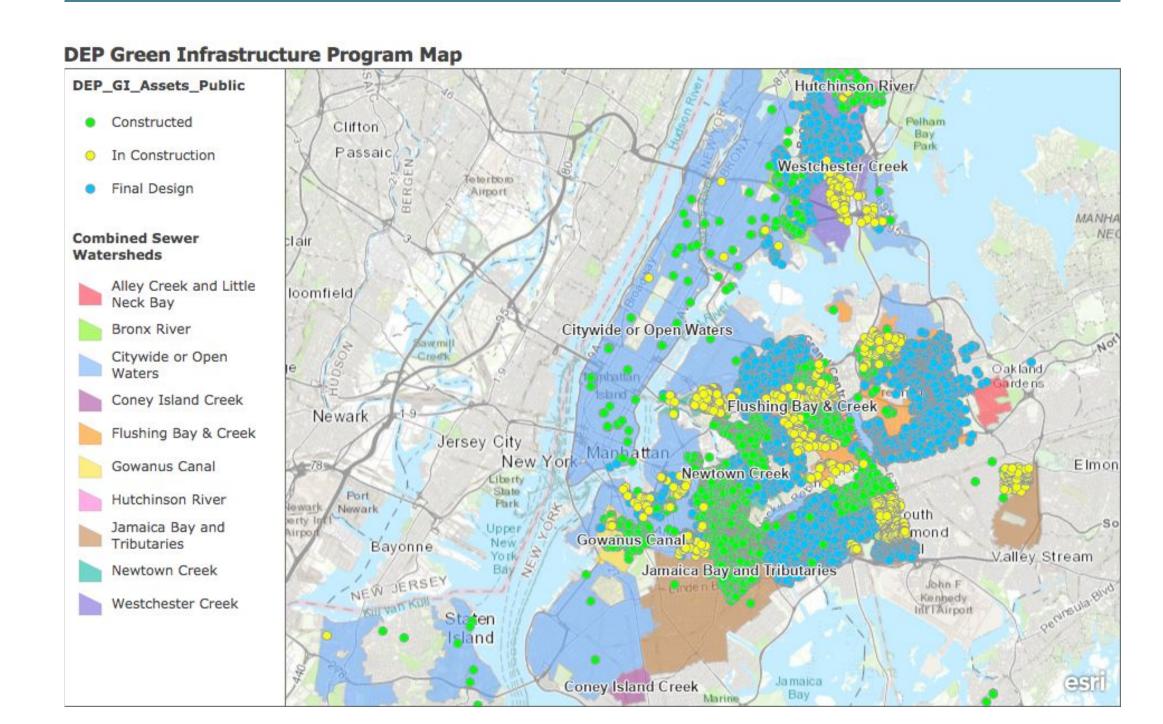
"Over 90% of the pollution in NYC's waterways is from [CSO] runoff."

–Wang, 2014

"52% of the city's tributaries—the creeks and man-made canals that hug the shoreline and pass through neighborhoods—are **still unsafe** even for boating."

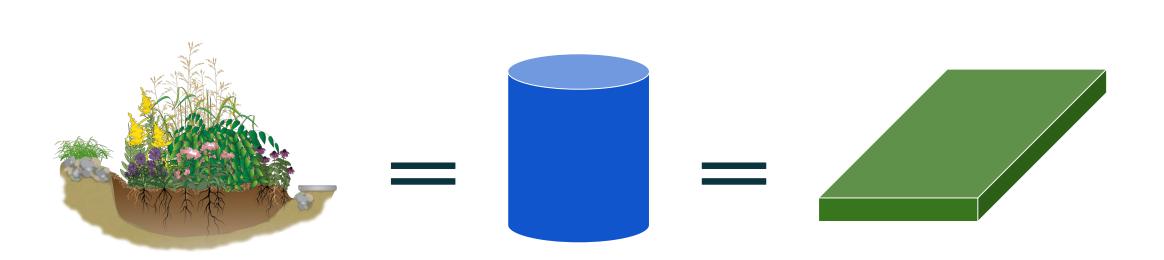
-PlaNYC A Greener Greater New York, 2007

Implementation





591 Greened Acres



Rain Garden

250 ft³ Managed Stormwater

Greened Acre

Combined Sewer Overflow Dry weather

Wet When heavy rain overloads a combined sewer system and discharges both runoff and **sewage** into local water bodies, causing **pollution**, beach closings, fishing restrictions, and other water body impairments.

Green Infrastructure















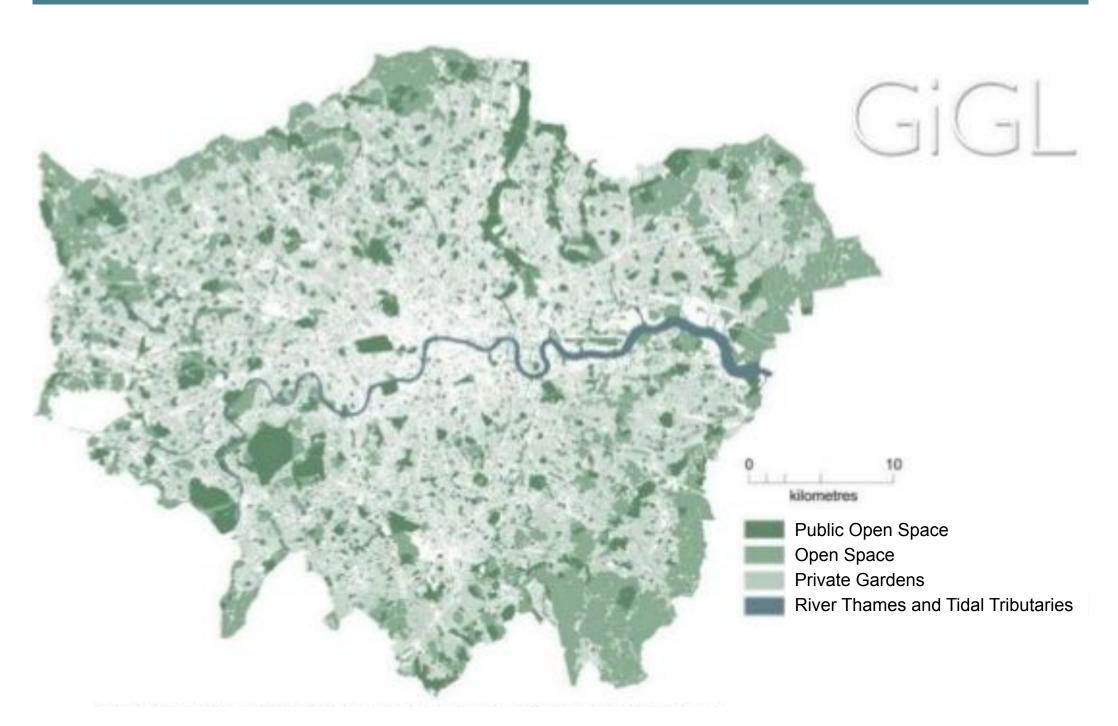
London Environment Strategy

"It takes a few millimeters of rainfall to cause the 34 most polluting... CSOs to **discharge** into the Thames River." -Thomas and Crawford, 2011

"Only one of London's 47 river water bodies is classed as 'good' - three are 'bad', five are 'poor' and the rest are 'moderate'."

London Environment Strategy

Implementation





First National Park City

Let's make London



























