

2020 Great Places Awards



Place Research Winner

Double Duty Parks:

Two studies on the Performance of Social Spaces as Resilient Flood Infrastructure

Anya Domlesky

2020 Research Category Winner

LANDSCAPE PERFORMANCE SERIES
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Hunter's Point South Waterfront Park, Phase 1

BEFORE AFTER

Landscape Performance Benefits

ENVIRONMENTAL

- Intercepts, infiltrates, and evaporates 73% of average annual rainfall in permeable pavements and a biofiltration swale.
- Increases flood storage capacity by approximately 557,800 gallons, accommodating up to a 6-ft storm-surge flood event.
- Generates 37,000 kWh of energy annually using photovoltaic solar cells, saving a total of \$29,600 from 2014 to 2017.

SOCIAL

- Attracts an estimated 1,170 daily visitors on a typical June weekday.
- Promotes physical activity for 465 users who engage in active recreation activities on a typical June weekday.
- Created iconic views of Manhattan as demonstrated by 11,037 social media posts from 2013 to 2018 referring to the Manhattan skyline and the site.
- Contributes to an increase in ridership for the East River route of the New York City Ferry. Annual ridership was roughly estimated to be around 200,000 in 2018, up from 16,000 in 2016.

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Chattanooga, Tennessee
- **Brooklyn Bridge Park: Pier 1 & Pier 3-4 Uplands**
Brooklyn, New York

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Buffalo Bayou Park

BEFORE AFTER

Landscape Performance Benefits

ENVIRONMENTAL

- Withstood significant flooding and avoided an estimated \$2 million in damages from Hurricane Harvey with custom-designed site fixtures and furnishings.
- Avoided an estimated \$735,900 in flood repair costs from Hurricane Harvey through installation of soil lifts.
- Increases habitat quality within 25% of the park by providing fruit and seed sources for wildlife in 53% of newly-planted native groundcover and shrub species, nectar sources in 63% and habitat sources in 27%. With 23% of these species designated as having Special Value for native pollinators.
- Sequesters 9.19 tons of atmospheric carbon and intercepts approximately 84,000 gallons of stormwater runoff annually in 9,824 newly-planted trees.

SOCIAL

- Attracted an estimated 12,000 daily visitors over 11 fall days in 2016. From June 2018 to May 2019, average daily bike share use of stations adjacent to the park ranged from 619 in February to 1,064 in April.
- Provides additional and improved park access for over 21,000 households within a half-

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Mia Lehrer

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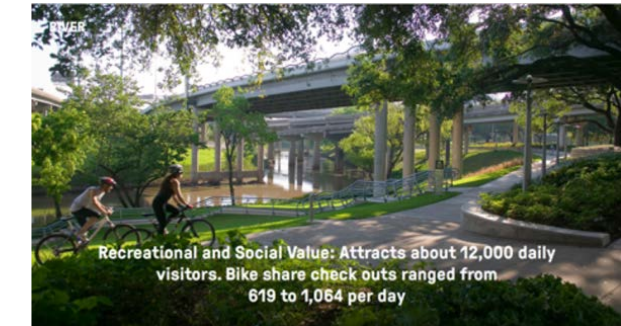
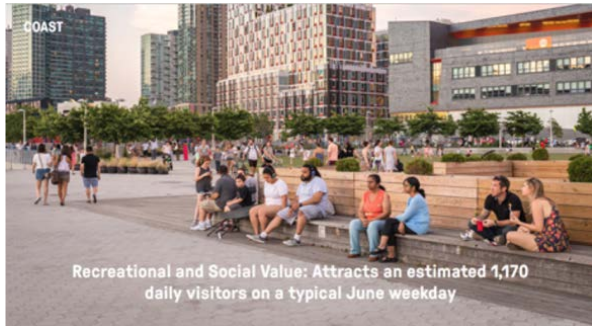
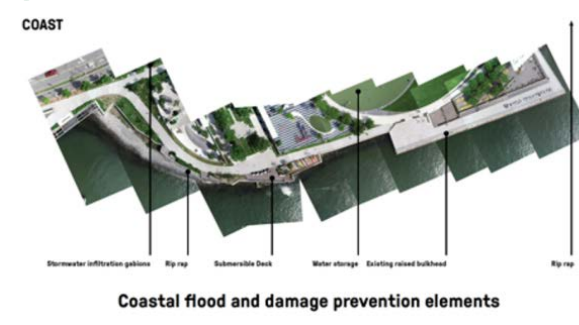
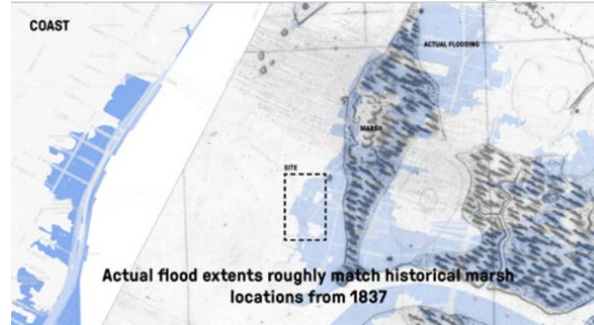
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