



HARBORPORT links New York's water management systems with transportation networks at several scales of infrastructure and connectivity. First, the proposal seeks to mitigate combined sewer overflow (CSO) pollution with new subway and ferry connections. The 2014 Clean Tech Expo serves as the public platform for this new investment in infrastructure and water health. Following the Expo facilities are expanded through collection of river dredge

materials toward the construction of a new airport to serve the metro area. This investment allows for existing airports to be developed to meet new sustainable standards and models, as well as improve the quality of travel experience in and out of New York. In the future, the site will be opened for housing development as a sustainable borough, developing this water location as New York's sixth borough.



Even though New York's airports are well-connected via public transportation, travel times exceed one hour. Furthermore, the infrastructure itself is outdated. Long security lines, runway queuing and congested air traffic make flying to New York an unpleasant experience. Can New York's waterways be used to transform passenger experience into and out of New York? Can a new – even temporary – airport be designed to facilitate the remediation and clean-technology retrofitting of existing airports?



CSO managment links runway run-off with water treatment facility, public parks, and an improved passenger ferry terminal



We propose to leverage the festival sites with ferry travel by pairing water transit infrastructure with CSO stormwater mitigation strategies. These green infrastructure pairings comes on line with the technology expo, and uses the event to actively address community education and exhibition of new water technologies.



Public transportation is brought to the city's edge and new green infrastructure address the meeting of transit and water quality



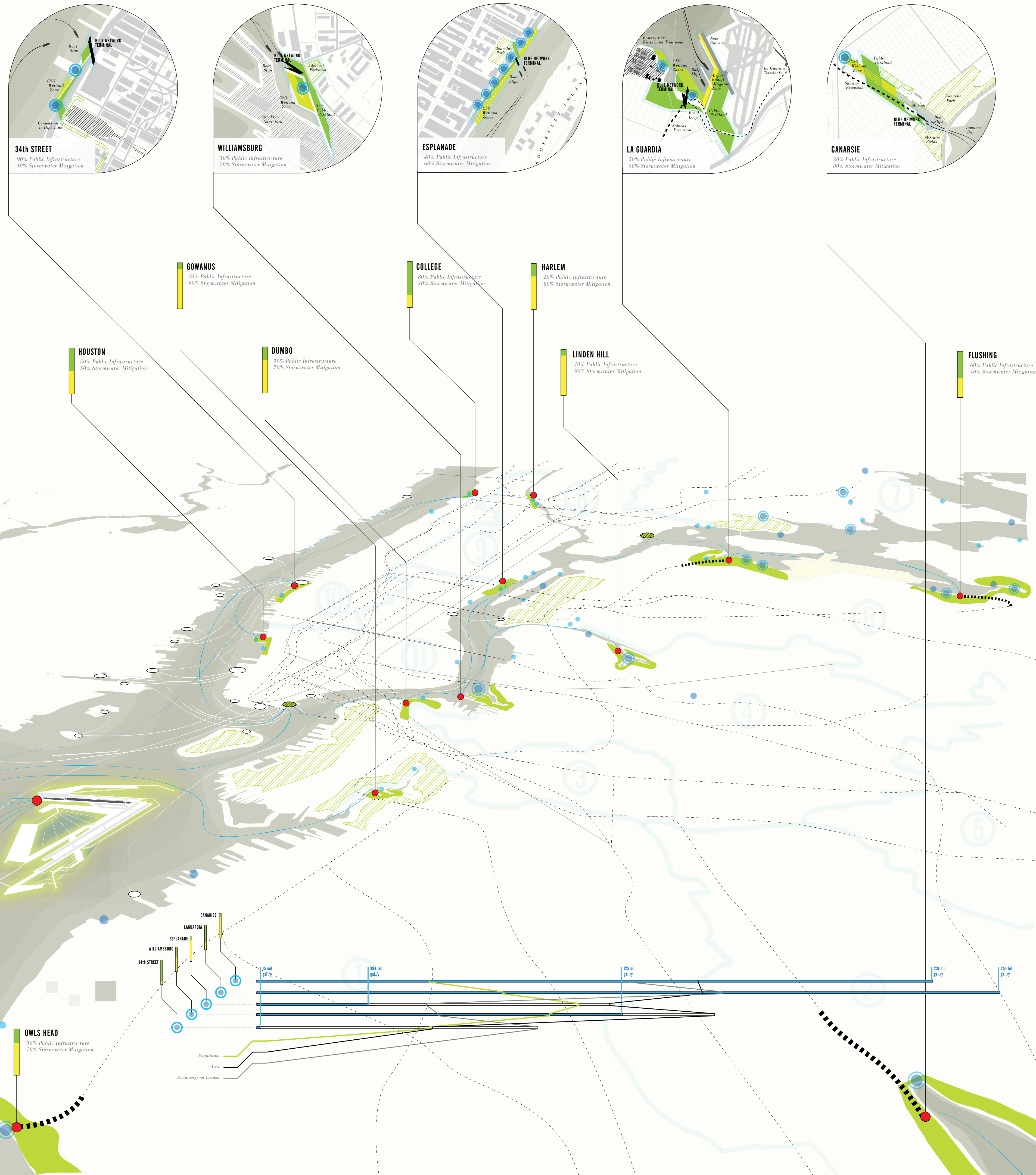
The Army Corps of Engineers is currently researching ways to locally manage dredge from New York's riverways. Shipping channels must be dredged and rather than export material to other states, Harborport facilitates the local processing, filling and allocation of these materials.



Approximately 3 mcy of dredge material is collected each year, half of which requires remediation.



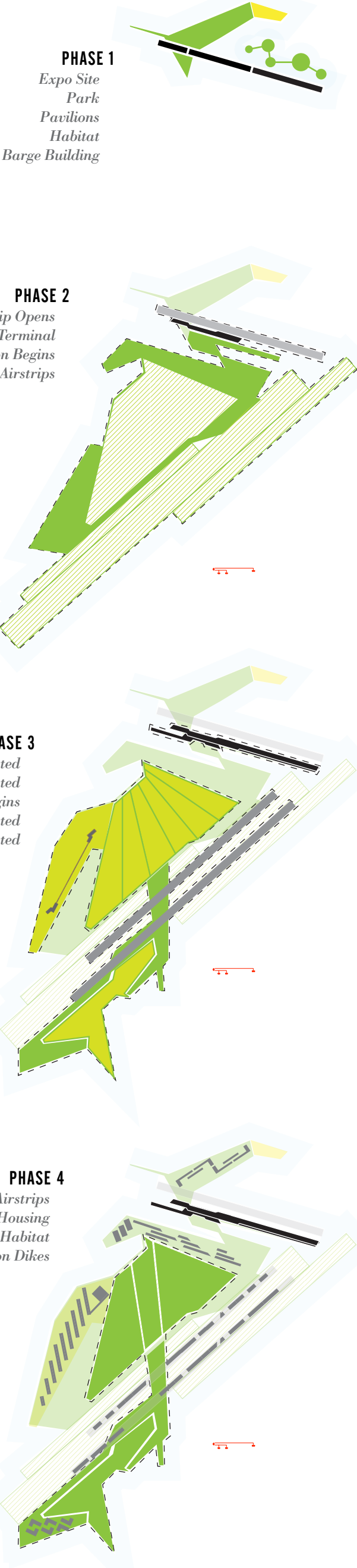
2% of NYC's 494 CSOs produce half of the sewage output



HARBORPORT PLAN
Phase Three: active airport and dredge management



HARBORPORT PHASING DIAGRAMS



PHASE ONE: EXPO EVENT SPACE



PHASE TWO / THREE: AIRPORT & DREDGE PROCESSING



PHASE THREE: RESEARCH & INFRASTRUCTURE MANAGEMENT

