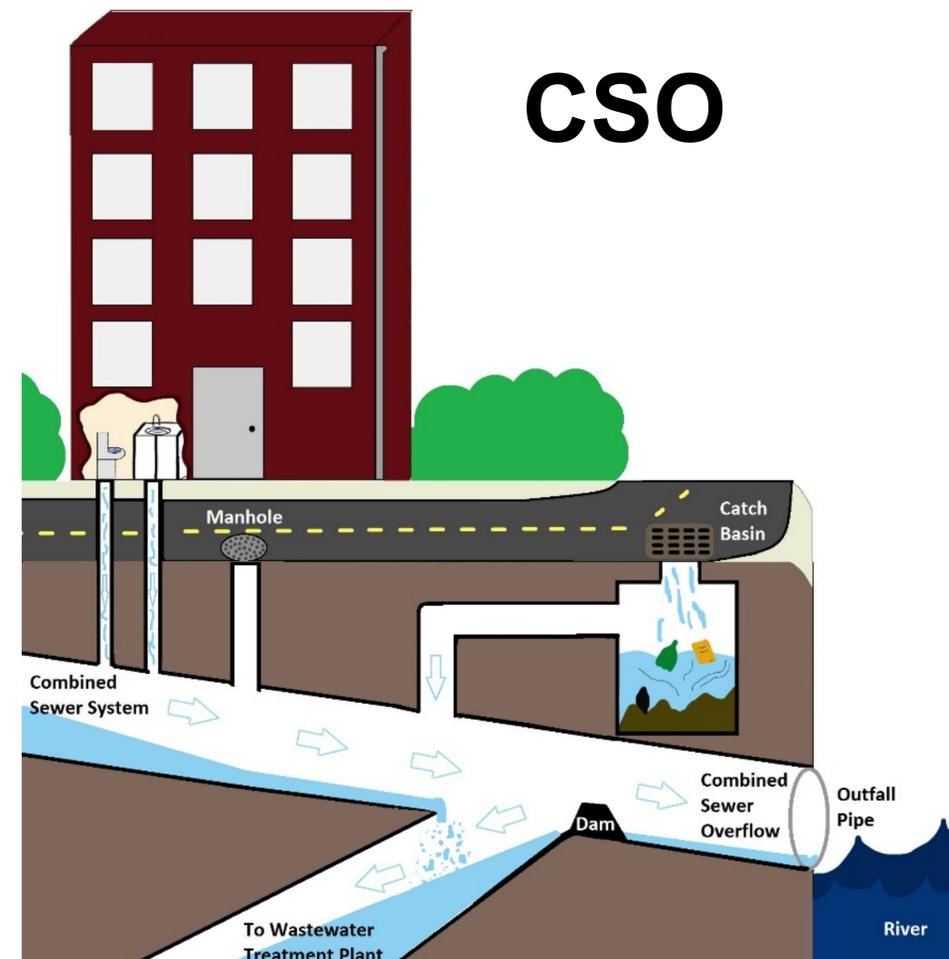
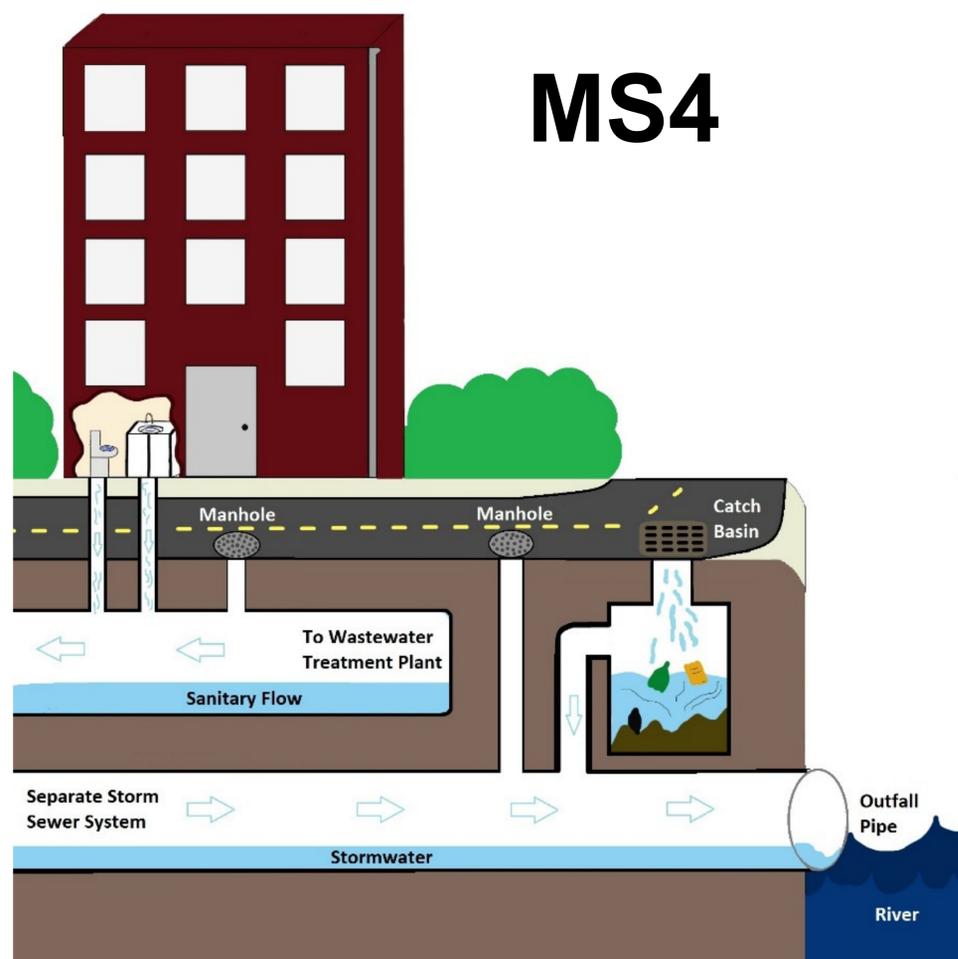


Water Quality Improvement: MS4 and CSO

A Municipal Separate Storm Sewer System (MS4) is:

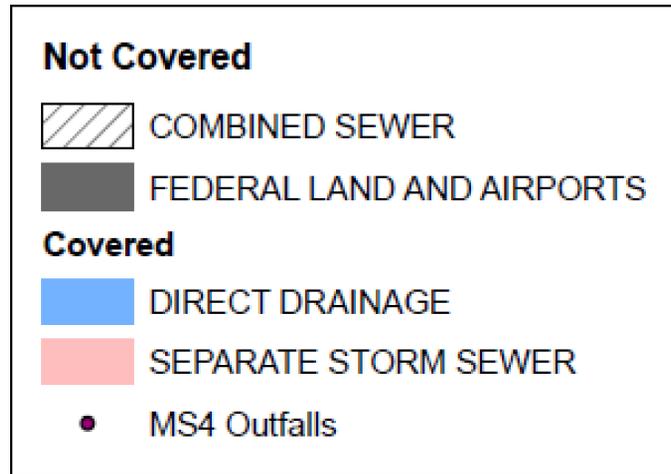
- System of conveyance(s) used to collect or convey stormwater (including storm drains, pipes, ditches, etc.);
- Owned by a state, city, town, village, or other public entity that discharges to waters of the US;
- Not a combined sewer; and
- Not part of a Publicly Owned Treatment Works (sewage treatment plant).



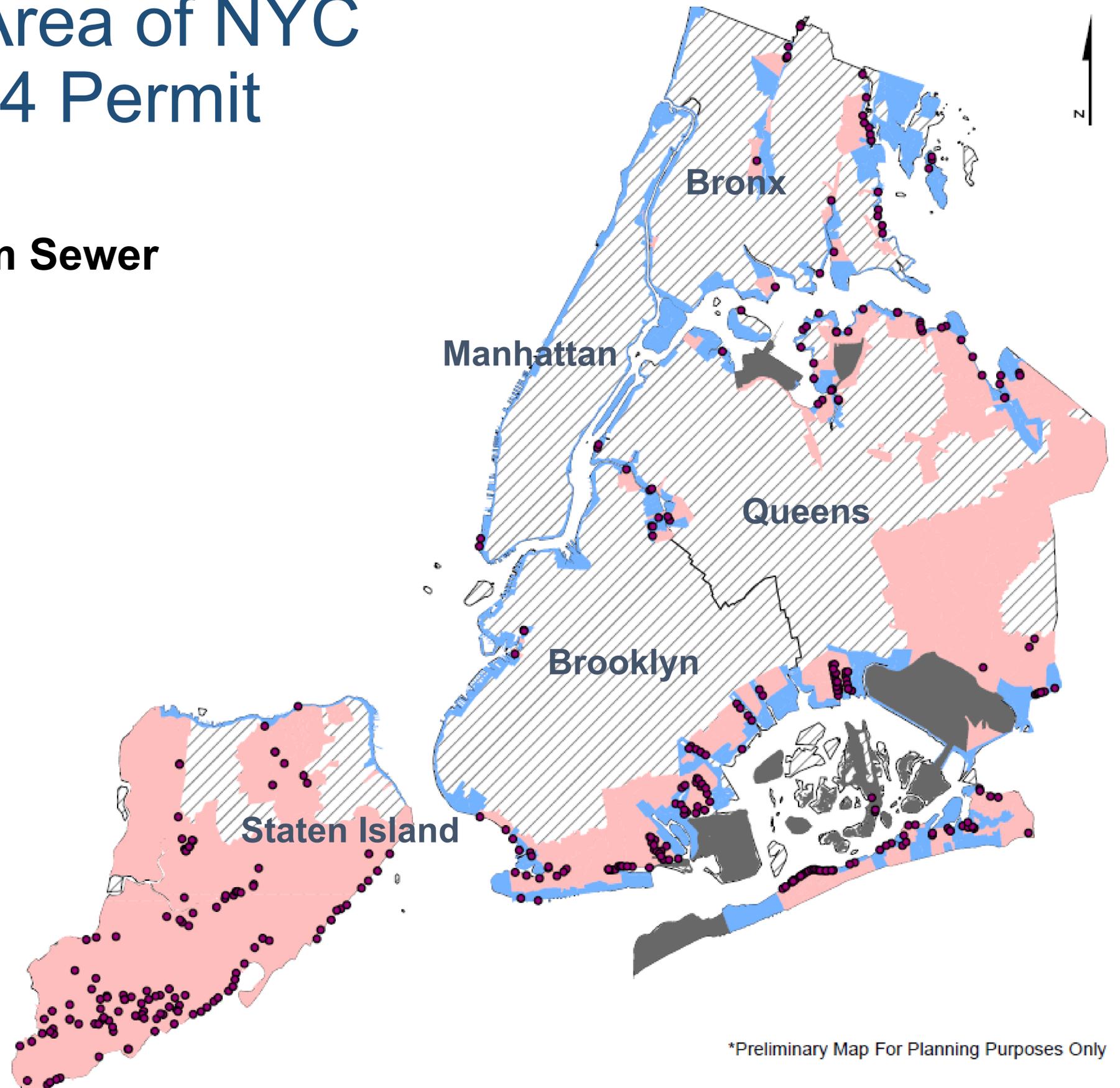


Affected Area of NYC under MS4 Permit

Draft Municipal Separate Storm Sewer System (MS4) Map



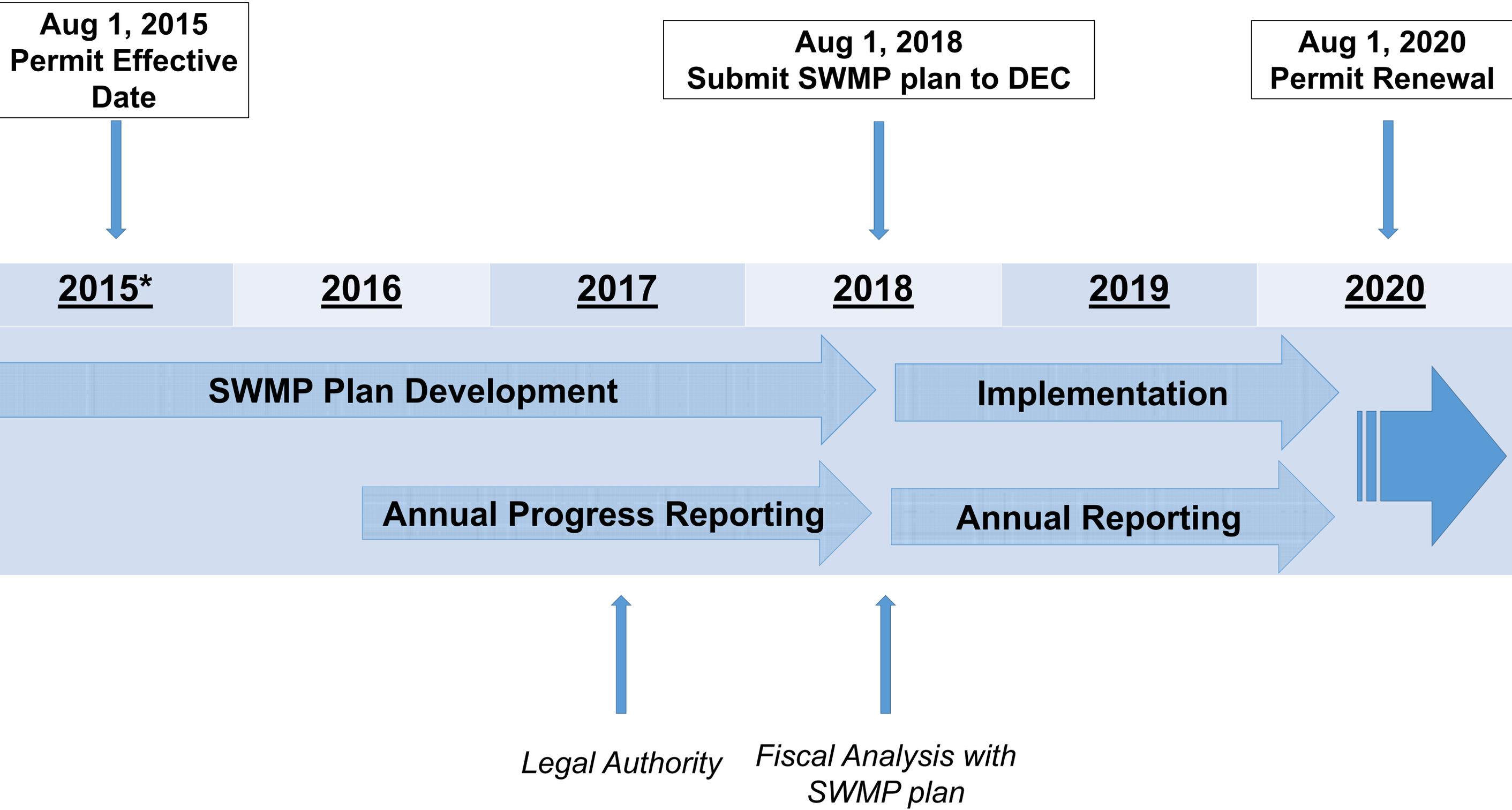
**MS4 drainage area:
84,300 acres
40% of the City**



*Preliminary Map For Planning Purposes Only



MS4 Permit Timeline





MS4 Integration with the CSO Program

Requirements for Impaired Waters with Approved LTCPs

- Identify MS4 priority waterbodies
 - Waterbodies where an approved LTCP does not predict compliance with WQ standards and stormwater contributions from MS4 are expected to be a significant contributor
- Categorize sources of pollutants discharging to the MS4 priority waterbodies
- Identify additional or customized non-structural BMPs and a schedule to commence implementation
- Describe opportunities for implementing **green infrastructure** pilot projects and other structural retrofits