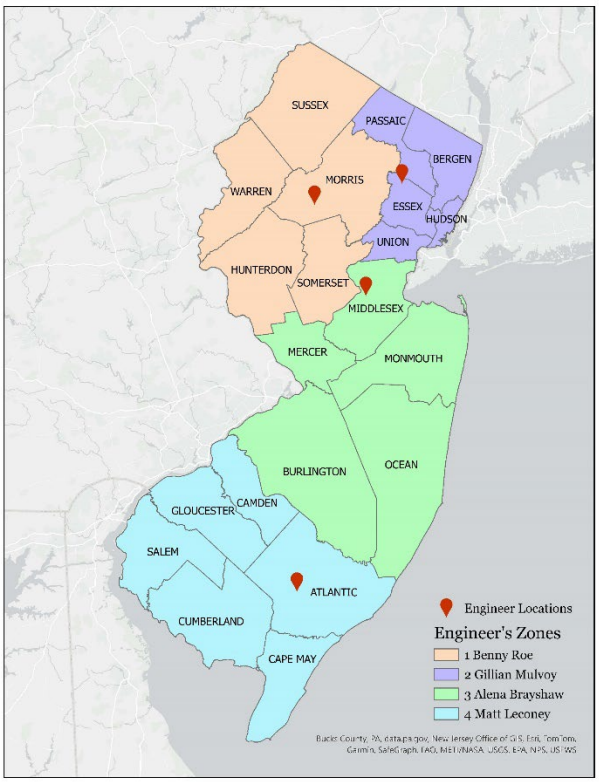
Many of New Jersey's municipalities will need technical support to develop their Watershed Improvement Plans and to comply with many of the requirements in the recently renewed MS4 permit. The Rutgers Cooperative Extension (RCE) Water Resources Program's experience makes us the ideal group to offer technical assistance to New Jersey's municipalities. With financial support from NJDEP, the RCE Water Resources Program has hired four (4) engineers to cover four regions of the state, namely the northeastern, central, northwestern, and southern regions. These engineers, under the direction of the RCE Extension Specialist in Water Resources, will help communities to better position themselves for funding opportunities, to begin to evaluate lasting solutions such as stormwater utilities, and to support MS4 and CSO Long-term Control Plan compliance.

MS4 Engineer's Zones



Tasks

1. Build or enhance stormwater asset inventory or mapping

Evaluate existing mapping and asset inventory of stormwater infrastructure, inlets, catch basins, outfalls, and drainage systems which are needed to comply with the MS4 permit requirements; identify gaps and help fill the gaps for compliance

2. Stormwater system vulnerability, condition/functional assessment

Work with municipalities to evaluate the condition and function of the stormwater system and its vulnerability to handle water under current precipitation and future precipitation estimates due to climate change

3. Water quality and flood stressor identification

Identify stressors that can impact water quality and cause flooding, such as land use, impervious cover, sewage infrastructure, septic systems, etc. that may be sources of pollution or contribute to flooding

4. Watershed implementation planning and project identification and design

Assist municipalities with utilization of available information on the stormwater infrastructure, land use attributes, water quality impairments, and flooding concerns to develop planning and produce project identification and designs to implement to meet planning goals

5. Zoning and impervious surface build out analysis

Perform zoning and build out analyses to evaluate impacts to water quality and flooding risks

6. Ordinance evaluation and amendment

Evaluate the effectiveness and compliance with existing ordinances and recommend changes and amendments to maximize benefits

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