

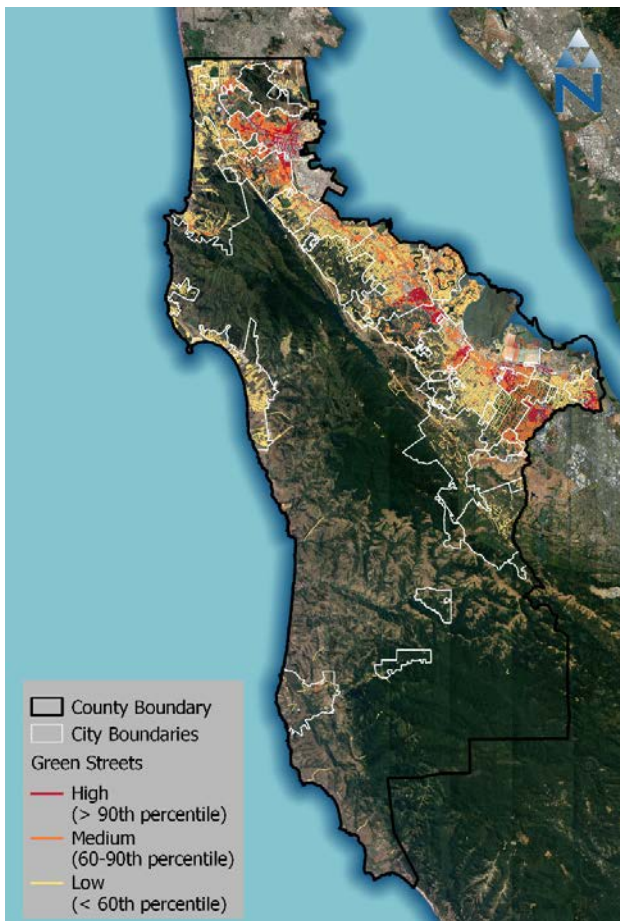
# SUPPORTING THE FUTURE OF STORMWATER MANAGEMENT IN SAN MATEO COUNTY

The City/County Association of Governments (C/CAG) through the San Mateo Countywide Water Pollution Prevention Program (The Program) is implementing comprehensive planning and modeling efforts to support its 21 member agencies manage stormwater more sustainably to improve water quality, increase infiltration, reduce flooding and build resiliency. The Program has created the following planning and modeling tools:

- **SAN MATEO COUNTYWIDE STORMWATER RESOURCE PLAN** – a watershed-based prioritization tool for ranking potential stormwater capture projects throughout the county.
- **COUNTYWIDE HYDROLOGY AND SEDIMENT TRANSPORT MODELS** – continuous simulation hydrology and sediment transport modeling help estimate pollutant loading and establish a quantitative relationship between green infrastructure implementation and pollutant load reduction.
- **MODELING GREEN INFRASTRUCTURE SCENARIOS** – through a Reasonable Assurance Analysis (RAA), C/CAG is modeling cost-optimized green infrastructure scenarios at a subwatershed level to identify the most cost effective “recipe” of green infrastructure control measures to meet countywide pollutant load reductions by 2040.
- **GREEN INFRASTRUCTURE PLANS** – C/CAG is supporting each agency in developing Green Infrastructure Plans which will include targets for green infrastructure capacity and associated impervious areas treated, as well as a new “GreenSuite” of design guidance to ensure green infrastructure is designed correctly, well-built and maintained.

## Area Map

These efforts are being conducted countywide and behalf of C/CAG’s member agencies. Below is the green streets prioritization map from the San Mateo Countywide Stormwater Resource Plan.



## Timeline

C/CAG completed and approved the Countywide Stormwater Resource Plan (SRP) in December, 2017. The Program initiated countywide hydrology and sediment transport modeling in 2017 and produced preliminary results of cost-optimized green infrastructure scenarios in early 2018. San Mateo County co-permittees must submit Green Infrastructure Plans to the San Francisco Regional Water Quality Control Board by Sept 30, 2019.

## Partners

Coordination is led by C/CAG and its 21 member agencies (towns, cities and County unincorporated).

Supporting consultants include Paradigm Environmental, Eisenberg, Olivieri and Associates, Inc., Larry Walker Associates, Community Design + Architecture, and Urban RainDesign.

Additional project partners include C/CAG member agencies (towns, cities and County unincorporated) and Caltrans.

## Project Funding

Countywide Stormwater Resource Plan: \$250,000

Countywide hydrology/sediment model and green infrastructure scenarios for Reasonable Assurance Analysis: \$650,000

Green Infrastructure Plan Support (including GreenSuite): \$650,000

## Next Steps

C/CAG will continue to facilitate the gradual transition from “gray” to “green” infrastructure for stormwater management throughout San Mateo County. Specifically, C/CAG plans to develop a web-based project tracking platform, create additional green infrastructure project concepts, assist with grant opportunities for pilot project implementation, and advance relevant funding initiatives.

## Website

San Mateo Countywide Stormwater Resource Plan: <http://ccag.ca.gov/srp/>

Stormwater Resource Plan web viewer:

[http://54.183.214.51/maps/SMC\\_project\\_prioritization](http://54.183.214.51/maps/SMC_project_prioritization)