



Update on the San Mateo County Reasonable Assurance Analysis

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Note: Results are preliminary/draft and should not be quoted or cited.

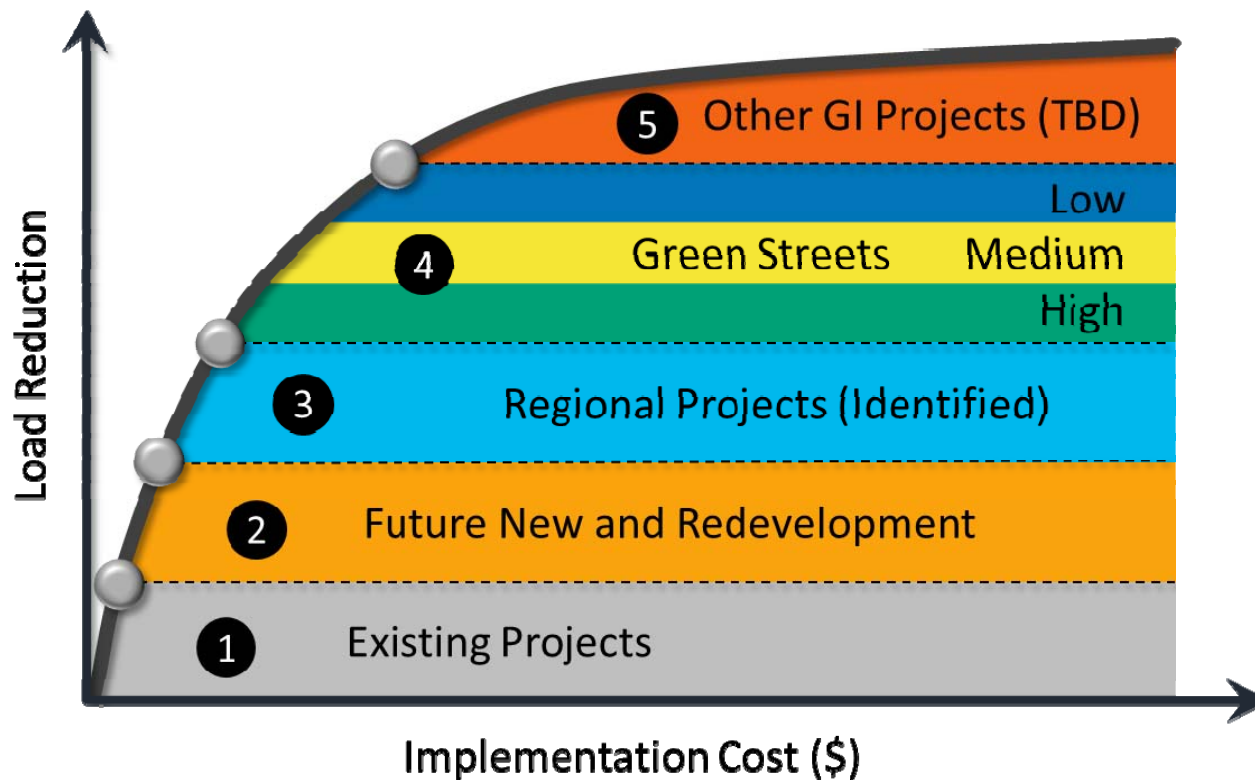


Key Decisions

- RAA methodology for selecting and modeling GI projects
- Project types:
 - Existing Projects: Stormwater treatment and GI projects that have been implemented since FY-2004/05.
 - Future New and Redevelopment: All projects subject to Provision C.3 requirements
 - Regional Projects (identified): 3 regional projects with concepts developed for SRP
 - Green Streets: Identified and prioritized for the SRP
 - Other GI Projects (to be determined): Other types of GI projects on publicly owned parcels

Decision 1

- Are these primary categories of projects sufficient for representing and determining initial goals for GI planning?



Decision 2

- Are there any suggested changes to the modeling assumptions documented in the attached February 15th memo, before modeling begins?

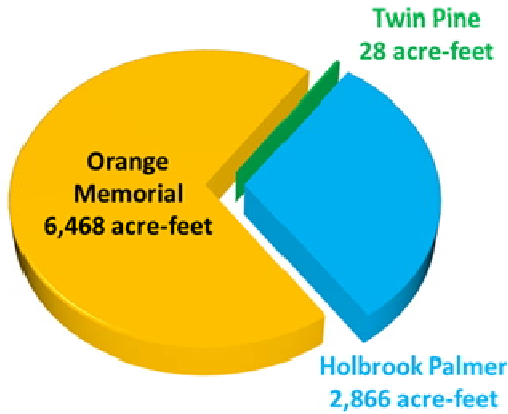
Order	GI Type	Fixed Size/Number of Projects	Optimized Size/Number of Projects
1	Existing Projects	●	--
2	Future New and Redevelopment	●	--
3	Regional Projects (identified)	●	--
4	Green Streets (low, medium, high priority)	--	●
5	Other GI Projects	--	● ¹

Decision 3

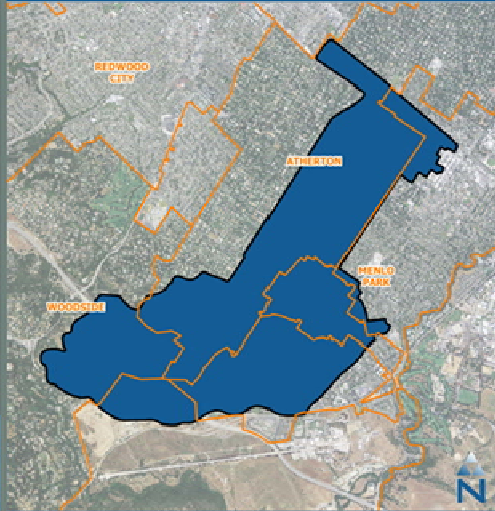
- Are there other Regional Projects that should be considered for development of concepts for the RAA?

Project Name	Primary Jurisdiction	# of Contributing Jurisdiction
Holbrook-Palmer Park	Atherton	4
Orange Memorial Park	South San Francisco	6
Twin Pines Park	Belmont	--

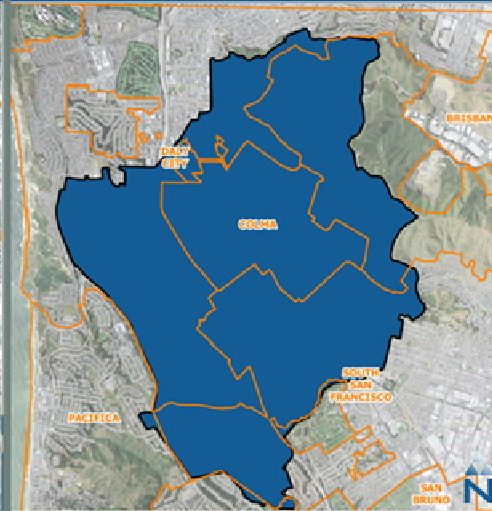
Drainage Areas (Regional)



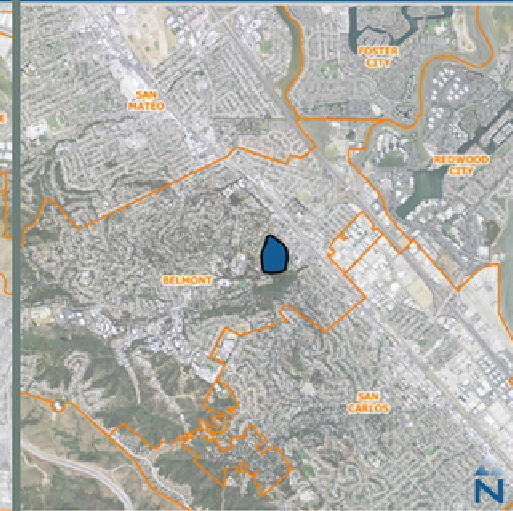
Holbrook Palmer



Orange Memorial



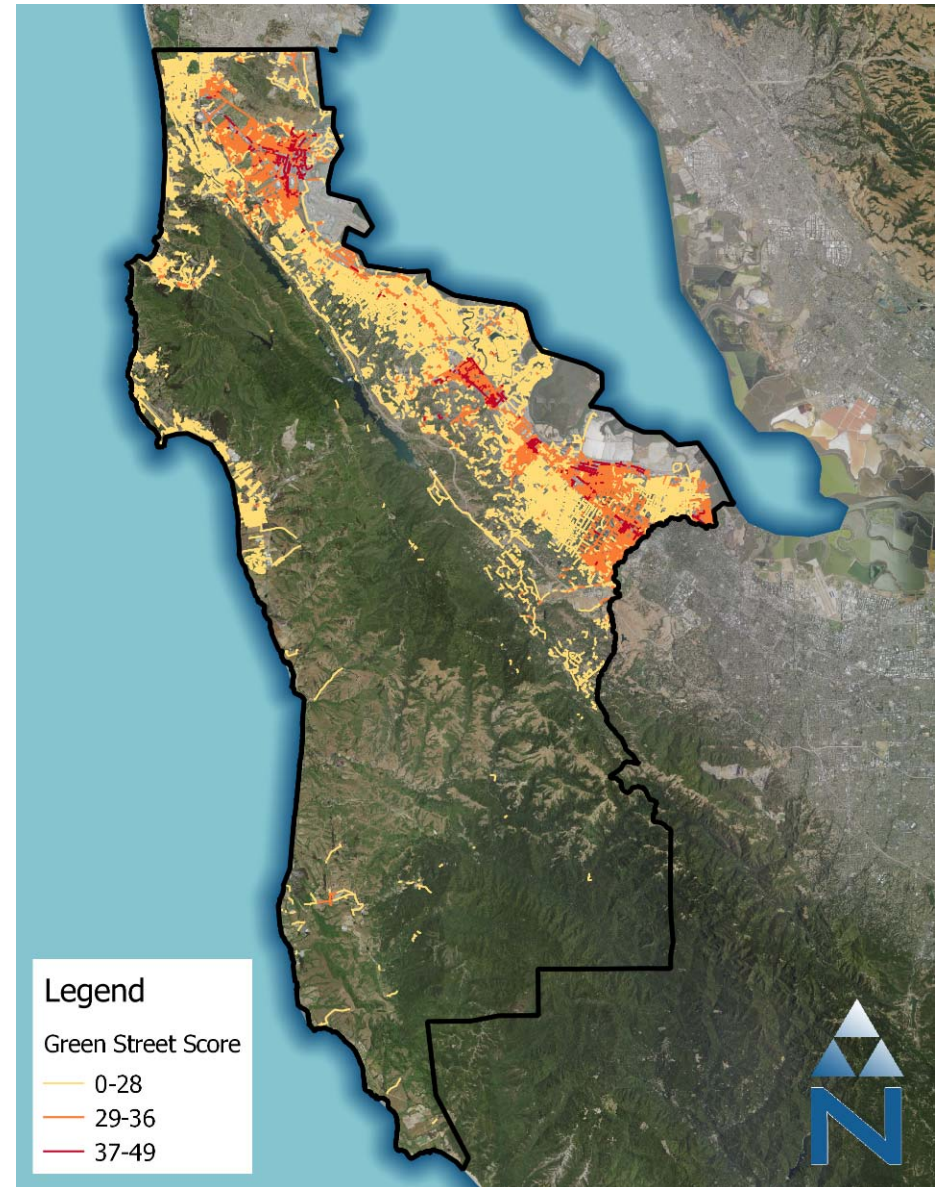
Twin Pine



Jurisdiction	Total Area (Acres)	Acres	%	Acres	%	Acres	%
Atherton	703	703	24%	--	--	--	--
Belmont	28	--	--	--	--	28	100%
Colma	1,225	--	--	1,225	19%	--	--
Daly City	2,054	--	--	2,054	32%	--	--
Menlo Park	1,297	1,297	45%	--	--	--	--
Pacifica	18	--	--	18	0.3%	--	--
San Bruno	21	--	--	21	0.3%	--	--
South San Francisco	1,913	--	--	1,913	30%	--	--
Woodside	420	420	15%	--	--	--	--
San Mateo County	1,683	446	16%	1,237	19%	--	--
Total	9,362	2,866	100%	6,468	100%	28	100%

Decision 4

- SRP screened and prioritized green street opportunities, with scores assigned for High, Medium, and Low Priority
- Are there any reasons why the High, Medium, and Low Priority Green Streets should not be represented in the RAA?



Decision 5

- Are there other streets that were screened out during the SRP that should be added for the RAA?
- Or alternatively, should we not use the State Highways classification for screening out Green Street opportunities?

Screening Factor	Street Section Characteristic	Criteria	Reason
Selection	Functional Class	S1200 ¹ S1400 ² S1730 ³ S1780 ⁴	Local neighborhood road, rural road, city street, alley, parking lot roads
Suitability	Ownership	Public	Potential projects are focused on public and right-of-way opportunities
	Road Slope	< 5%	Steep grades present additional design challenges; reduce capture opportunity due to increased runoff velocity

Decision 6

- Opportunity to revisit the project scoring and prioritization process developed for the SRP.
- Mostly impacts Green Streets, if High, Medium, and Low Priorities are considered for the RAA (Decision 4).
- Are there any suggested changes for the metrics and scoring of projects used in the SRP prioritization process?

SRP Green Street Quantitative Scoring

Table 4-1. Right-of-Way prioritization criteria for green streets

	Points						Weight Factor
	0	1	2	3	4	5	
Street Type	Highway	--	Arterial	Collector	Alley	Local	--
Imperviousness (%)	$X < 40$	$40 \leq X < 50$	$50 \leq X < 60$	$60 \leq X < 70$	$60 \leq X < 80$	$80 \leq X < 100$	--
Hydrologic Soil Group	--	D	Unknown	C	B	A	--
Slope (%)	--	$4 < X \leq 5$	$3 < X \leq 4$	$2 < X \leq 3$	$1 < X \leq 2$	$0 < X \leq 1$	--
Proximity to Flood-prone Channels (miles)	Not in sub-basin	$3 < X$	--	$1 < X \leq 3$	--	$X \leq 1$	2
Contains PCB Risk Areas	None	--	--	Moderate	--	High	2
Currently planned by City or co-located with other City project	No					Yes	2
"Safe Routes to School" program	No					Yes	2
Drains to TMDL water	No					Yes	--
Above groundwater basin	No	Yes					--
Augments water supply	No	Yes					--
Water quality source control	No	Yes					--
Reestablishes natural hydrology	No	Yes					--
Creates or enhances habitat	No	Yes					--
Community enhancement	No	Yes					--

SRP Regional Project Quantitative Scoring

Table 4-1. Parcel prioritization criteria for regional stormwater capture

	Points						Weight Factor
	0	1	2	3	4	5	
Parcel Land Use	--	--	Schools/Golf Courses	Public Buildings	Parking Lot	Park / Open Space	--
Impervious Area (%)	$X < 40$	$40 \leq X < 50$	$50 \leq X < 60$	$60 \leq X < 70$	$60 \leq X < 80$	$80 \leq X < 100$	--
Parcel Size (acres)	$0.25 \leq X < 0.5$	$0.5 \leq X < 1$	$1 \leq X < 2$	$2 \leq X < 3$	$3 \leq X < 4$	$4 \leq X$	--
Hydrologic Soil Group	--	D	Unknown	C	B	A	--
Slope (%)	$5 < X \leq 10$	$4 < X \leq 5$	$3 < X \leq 4$	$2 < X \leq 3$	$1 < X \leq 2$	$0 < X \leq 1$	--
Proximity to Flood-prone Channels (miles)	Not in sub-basin	$3 < X$	--	$1 < X \leq 3$	--	$X \leq 1$	2
Contains PCB Risk Areas	None	--	--	Moderate	--	High	2
Currently planned by City or co-located with other City project	No					Yes	2
Drains to TMDL water	No					Yes	
Above groundwater basin	No		Yes				--
Augments water supply	No	Yes					--
Water quality source control	No	Yes					--
Reestablishes natural hydrology	No	Yes					--
Creates or enhances habitat	No	Yes					--
Community enhancement	No	Yes					--

SRP LID Quantitative Scoring

Table 4-1. Parcel prioritization criteria for LID

	Points						Weight Factor
	0	1	2	3	4	5	
Parcel Land Use	--	--	Schools/Golf Courses	Park / Open Space	Parking Lot	Public Buildings	--
Impervious Area (%)	$X < 40$	$40 \leq X < 50$	$50 \leq X < 60$	$60 \leq X < 70$	$70 \leq X < 80$	$80 \leq X < 100$	--
Hydrologic Soil Group	--	D	Unknown	C	B	A	--
Slope (%)	$5 < X \leq 10$	$4 < X \leq 5$	$3 < X \leq 4$	$2 < X \leq 3$	$1 < X \leq 2$	$0 < X \leq 1$	--
Proximity to Flood-prone Channels (miles)	Not in sub-basin	$3 < X$	--	$1 < X \leq 3$	--	$X \leq 1$	2
Contains PCB Risk Areas	None	--	--	Moderate	--	High	2
Currently planned by City or co-located with other City project	No					Yes	2
Drains to TMDL water	No					Yes	--
Above groundwater basin	No					Yes	--
Augments water supply	No	Yes					--
Water quality source control	No	Yes					--
Reestablishes natural hydrology	No	Yes					--
Creates or enhances habitat	No	Yes					--
Community enhancement	No	Yes					--

Next Steps

- Dec - Obtain C/CAG input on decision points
- Jan - Initiate modeling of projects to determine goals for each jurisdiction to support GI Plans
- Feb - Present preliminary results of modeling and obtain feedback
- May – Draft model results and report
- June – Final model results and report