



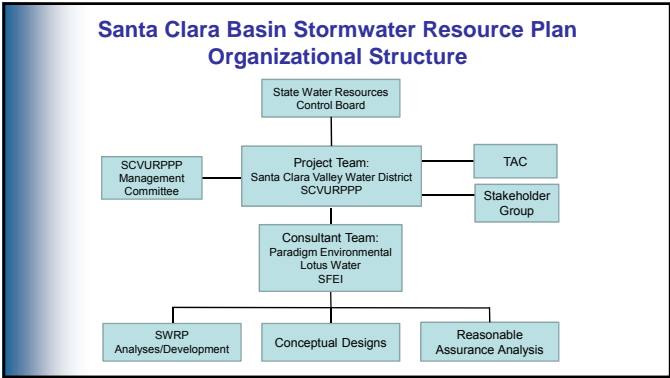
Santa Clara Basin Stormwater Resource Plan

Technical Advisory Committee

Meeting #3

February 28, 2018





- ### SWRP Task Activity (10/17-2/18)
- Task 6.1.2 - Stakeholder Meeting #1 on October 4, 2017
 - Task 4.4 – Metrics, Methodologies, Models and Tools
 - Held TAC and SCVURPPP agency conference call to discuss comments
 - Addressed comments and finalized memo
 - Task 4.5.1 - Analysis, Prioritization Process, and Project Selection
 - Completed assembly of GIS datasets for identifying project opportunities
 - Obtained potential projects from SCVURPPP agencies and stakeholders
 - Conducted GIS screening and prioritization analysis (metrics scoring)
 - Provided initial results to SCVURPPP agencies and incorporated comments
 - Task 4.7 – Began preparing chapters of the SWRP


Update on SWRP Deliverables

| Task | SWRP Deliverable | Submittal Date |
|--------|--|----------------|
| 3.1 | Data Collection and Previous and Current Planning Efforts | October 2017 |
| 3.2 | Watershed Identification (Planning Area Boundaries) | October 2017 |
| 4.3 | Description of Approach Addressing Water Quality | October 2017 |
| 4.4 | Metric and Methodologies for Identifying and Prioritizing GI Projects, and Evaluation and Selection of Appropriate Models and Tools for the SWRP | December 2017 |
| 5.2.2 | Green Infrastructure Plan Template | December 2017 |
| 5.3 | Green Stormwater Infrastructure Handbook – Part 1 (Final Draft) and Part 2 (Draft) | February 2018 |
| A-5(c) | Annual Progress Summary | November 2017 |

Upcoming SWRP Deliverables

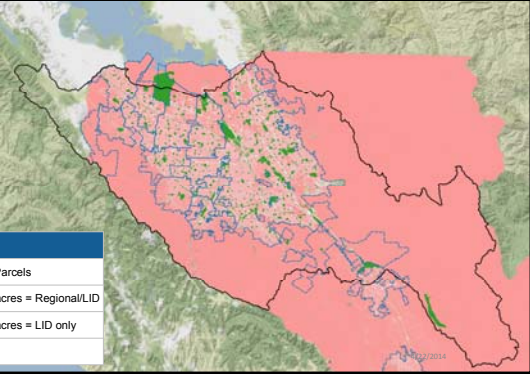
| Task | SWRP Deliverable | Due Date |
|-------|-----------------------------------|------------------|
| 6.1.2 | Stakeholder Meeting #2 (Date TBD) | March/April 2018 |
| 4.6.3 | SWRP Implementation Strategy Memo | April 2018 |
| 4.7 | Administrative Draft SWRP | May 1, 2018 |
| 5.4 | Project Conceptual Designs | May 2018 |
| 4.8 | Public Draft SWRP | July 2018 |
| 6.3 | SWRP Webpage | July 2018 |

Review of the Screening and Scoring Process



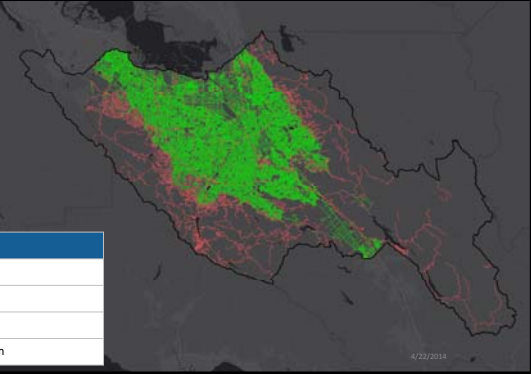
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Parcel Screening



| Screening Factor | Criteria |
|------------------|--|
| Ownership | Public Parcels |
| Parcel Size | > 0.25 acres = Regional/LID < 0.25 acres = LID only |
| Site Slope | < 10 % |

Street Screening



| Screening Factor | Criteria |
|------------------|----------|
| Ownership | Public |
| Surface | Paved |
| Slope | < 5% |
| Speed | ≤ 45mph |

Prioritization Metrics for Regional Projects

| Metric | 0 | 1 | 2 | Points | 3 | 4 | 5 | Weight Factor |
|---|----------------|--------------------------------------|-------------|----------------------|------------------|--|-------------------|---------------|
| Parcel Land Use | | | | Schools/Golf Courses | Public Buildings | Parking Lot | Park / Open Space | — |
| Impervious Area (%) | X < 40 | 40 ≤ X < 50 | 50 ≤ X < 60 | 60 ≤ X < 70 | 70 ≤ X < 80 | 80 ≤ X < 100 | | 2 |
| Parcel Size (acres) | 0.25 ≤ X < 0.5 | 0.5 ≤ X < 1 | 1 ≤ X < 2 | 2 ≤ X < 3 | 3 ≤ X < 4 | 4 ≤ X | | — |
| Hydrologic Soil Group | | C/D | | B | | A | | — |
| Slope (%) | | 10 > X > 5 | 5 ≥ X > 3 | 3 ≥ X > 2 | 2 ≥ X > 1 | 1 ≥ X | | — |
| Proximity to Storm Drain (feet) | X > 1,000 | 1,000 ≥ X > 500 | | 500 ≥ X > 200 | | 200 ≥ X | | — |
| Within flood-prone storm drain catchments | No | | | | | Yes | | — |
| Contains PCB Interest Areas | None | | | Moderate | | High | | 2 |
| Within Priority Development Area | No | | | | | Yes | | — |
| Co-located with another agency project | No | | | | | Yes | | — |
| Augments water supply | No | Opportunity for capture and reuse | | | | Above groundwater recharge area and not above groundwater contamination area | | 2 |
| Water quality source control | No | Yes | | | | | | — |
| Reestablishes natural hydrology | No | Yes | | | | | | — |
| Creates or enhances habitat | No | Yes | | | | | | — |
| Community enhancement | No | Opportunities for other enhancements | | | | Within DAC or MTC Community of Concern | | — |

4/22/2014

Prioritization Metrics for LID Projects

| Metric | 0 | 1 | 2 | Points | 3 | 4 | 5 | Weight Factor |
|---|--------|--------------------------------------|-------------|----------------------|-------------------|--|--------------|---------------|
| Parcel Land Use | | | | Schools/Golf Courses | Park / Open Space | Public Buildings | Parking Lots | — |
| Impervious Area (%) | X < 40 | 40 ≤ X < 50 | 50 ≤ X < 60 | 60 ≤ X < 70 | 70 ≤ X < 80 | 80 ≤ X < 100 | | 2 |
| Hydrologic Soil Group | | C/D | | B | | A | | — |
| Slope (%) | | 10 > X > 5 | 5 ≥ X > 3 | 3 ≥ X > 2 | 2 ≥ X > 1 | 1 ≥ X | | — |
| Within flood-prone storm drain catchments | No | | | | | Yes | | — |
| Contains PCB Interest Areas | None | | | Moderate | | High | | 2 |
| Within Priority Development Area | No | | | | | Yes | | — |
| Co-located with another agency project | No | | | | | Yes | | — |
| Augments water supply | No | Opportunity for capture and reuse | | | | Above groundwater recharge area and not above groundwater contamination area | | 2 |
| Water quality source control | No | Yes | | | | | | — |
| Reestablishes natural hydrology | No | Yes | | | | | | — |
| Creates or enhances habitat | No | Yes | | | | | | — |
| Community enhancement | No | Opportunities for other enhancements | | | | Within DAC or MTC Community of Concern | | — |


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Prioritization Metrics for Green Street Projects

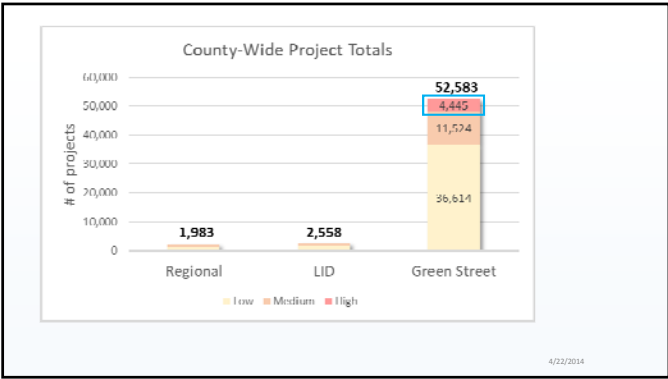
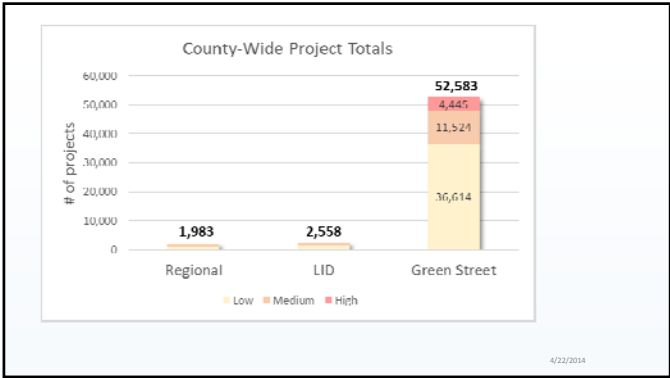
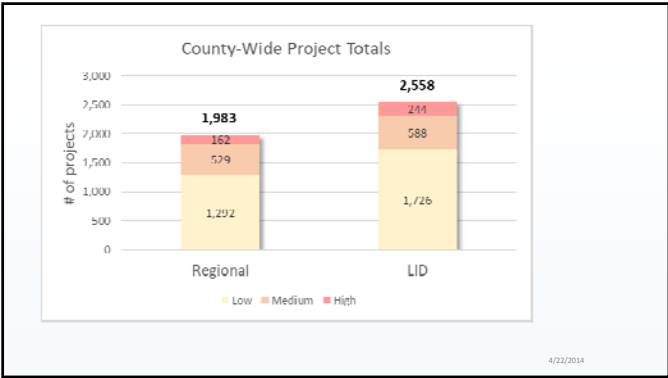
| Metric | 0 | 1 | 2 | Points | 3 | 4 | 5 | Weight Factor |
|---|--------|--------------------------------------|-------------|-------------|-------------|--|---|---------------|
| Imperviousness (%) | X < 40 | 40 ≤ X < 50 | 50 ≤ X < 60 | 60 ≤ X < 70 | 70 ≤ X < 80 | 80 ≤ X < 100 | | 2 |
| Hydrologic Soil Group | | C/D | | B | | A | | — |
| Slope (%) | | 5 > X > 4 | 4 ≥ X > 3 | 3 ≥ X > 2 | 2 ≥ X > 1 | 1 ≥ X > 0 | | — |
| Within flood-prone storm drain catchments | No | | | | | Yes | | — |
| Contains PCB Interest Areas | None | | | Moderate | | High | | 2 |
| Within Priority Development Area | No | | | | | Yes | | — |
| Co-located with another agency project | No | | | | | Yes | | — |
| Augments water supply | No | Opportunity for capture and reuse | | | | Above groundwater recharge area and not above groundwater contamination area | | 2 |
| Water quality source control | No | Yes | | | | | | — |
| Reestablishes natural hydrology | No | Yes | | | | | | — |
| Creates or enhances habitat | No | Yes | | | | | | — |
| Community enhancement | No | Opportunities for other enhancements | | | | Within DAC or MTC Community of Concern | | — |

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Initial Screening and Scoring Results



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Top 90th Percentile of Green Streets

| Jurisdiction | County-Wide | |
|--------------------|---------------|-------|
| | # of Projects | % |
| Campbell | 224 | 5.0% |
| Cupertino | 174 | 3.9% |
| Los Altos | 25 | 0.6% |
| Los Altos Hills | 0 | 0.0% |
| Los Gatos | 38 | 0.9% |
| Milpitas | 32 | 0.7% |
| Monte Sereno | 0 | 0.0% |
| Morgan Hill | 2 | 0.0% |
| Mountain View | 42 | 0.9% |
| Palo Alto | 45 | 1.0% |
| San Jose | 3,619 | 81.4% |
| Santa Clara | 104 | 2.3% |
| Santa Clara County | 44 | 1.0% |
| Saratoga | 19 | 0.4% |
| Sunnyvale | 77 | 1.7% |
| TOTAL | 4,445 | |

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Top 90th Percentile of Green Streets

| Jurisdiction | County-Wide | | By Jurisdiction | |
|--------------------|---------------|-------|-----------------|-------|
| | # of Projects | % | # of Projects | % |
| Campbell | 224 | 5.0% | 138 | 3.0% |
| Cupertino | 174 | 3.9% | 152 | 3.3% |
| Los Altos | 25 | 0.6% | 118 | 2.6% |
| Los Altos Hills | 0 | 0.0% | 12 | 0.3% |
| Los Gatos | 38 | 0.9% | 87 | 1.9% |
| Milpitas | 32 | 0.7% | 154 | 3.4% |
| Monte Sereno | 0 | 0.0% | 12 | 0.3% |
| Morgan Hill | 2 | 0.0% | 42 | 0.9% |
| Mountain View | 42 | 0.9% | 193 | 4.2% |
| Palo Alto | 45 | 1.0% | 252 | 5.5% |
| San Jose | 3,619 | 81.4% | 2,404 | 52.4% |
| Santa Clara | 104 | 2.3% | 308 | 6.7% |
| Santa Clara County | 44 | 1.0% | 171 | 3.7% |
| Saratoga | 19 | 0.4% | 130 | 2.8% |
| Sunnyvale | 77 | 1.7% | 413 | 9.0% |
| TOTAL | 4,445 | | 4,586 | |

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Incorporation of Stakeholder Projects

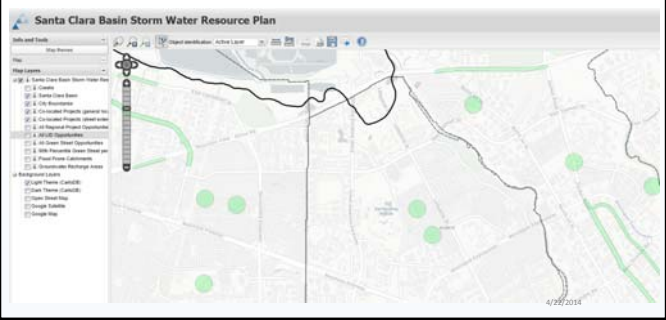


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Project Master List

| Assessment | Project Name | Project location (address, intersection, city, etc., and/or coordinates) | Project Description | Status | Work Status | Description of or Mitigation of Potential Impacts |
|------------|--------------------------------------|--|---|----------------------|-------------|---|
| Completed | Campanile Park Design & Construction | 3rd Corner of Campanile Ave. & Highway 101, San Jose, CA 95128 | Design phase for Campanile Park Improvement Project | Design - in progress | 50% | Design will consider opportunities for incorporating green infrastructure where feasible. |
| Completed | San Jose City Center | San Jose City Center, San Jose, CA 95113 | Urban redevelopment project | Design - in progress | 50% | Design will consider opportunities for incorporating green infrastructure where feasible. |
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Assigning “Co-location” Scores



Revised Scoring Based on Agency Input



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Revisions to Scoring Method

- Agencies submitted projects they wanted removed or added to the list
- Weighting factor of 2 added for:
 - Imperviousness
 - PCB Risk
 - Augments Water Supply
- Percentile bins (High, Medium, Low) were affected
- Does not change TOTAL number of projects

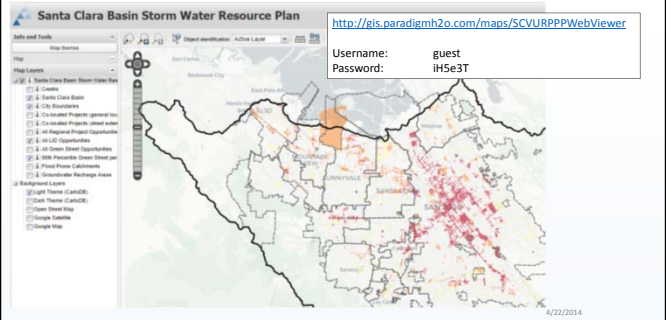
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Review of Results on Web-Based Maps



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Reviewing the Prioritization Results



Reviewing the Prioritization Results



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Project Selection for Conceptual Design



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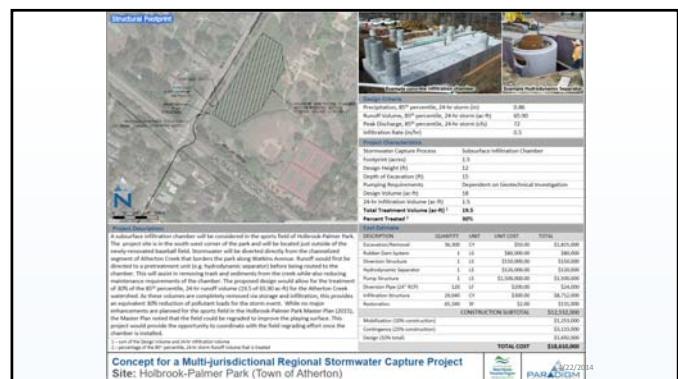
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Tips for Selecting Projects for Conceptual Design

- Tools:
 - Web viewer
 - Project database (spreadsheet)
- Considerations
 - Project score/ranking
 - Likelihood to be implemented (e.g., co-located project, funding)
 - Green streets
 - Integrates with planned bike/ped safety or complete street projects
 - Lower cost compared to regional projects
 - Regional projects – Significant potential pollutant reduction
 - Significant pollutant load reduction
 - Multiple jurisdictions within drainage area
 - Higher cost compared to green streets

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Next Steps

- March 16th
 - Deadline for identifying proposed projects for conceptual design
 - Deadline for comments on project database
- Late March/Early April
 - Stakeholder Meeting #2
 - Finalize project database
 - Begin investigations for conceptual designs
- March/April
 - Continue preparation of SWRP
 - Draft implementation strategy memo

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