

## Flood Protection and Stream Stewardship Master Plan Update



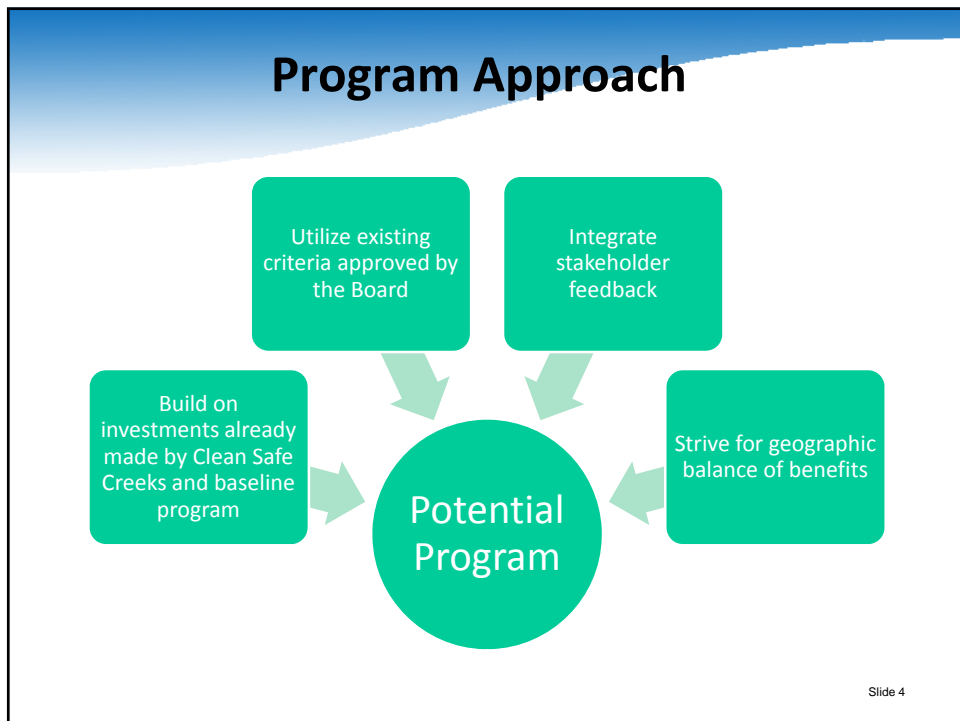
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## Presentation outline

1. Review master plan process
2. Review *Needs and Opportunities*
3. Discuss next steps



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## Feedback from outreach meetings held in June/July

- Provide more opportunities for stakeholder feedback
- Existing program activities are important
- Evaluate balance among program goals
- Strive for geographic balance of benefits



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## Approach to Needs and Opportunities

1

- Evaluate existing program against goals and objectives

2

- Review existing planning studies and related documents (ex. stewardship plans)

3

- Consider stakeholder feedback

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## Goal #1: Natural flood protection needs and opportunities: areas subject to flooding after 2016

### Natural Flood Protection Projects

- 55,000 parcels still subject to flooding
- 64 potential flood protection projects identified countywide



### Preserve Flood Conveyance Capacity

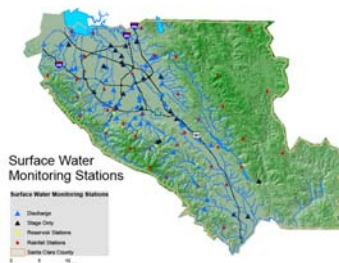
- Develop and implement a sediment source reduction program
- Develop enhanced guidelines and standards for land use near streams with cities, county, and others
- Pursue right of way acquisition program



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## Goal #2: Reduced potential for flood damages

- Develop a citizen based flood preparedness education campaign
- Enhance flood risk maps
- Expand hydrologic data collection network
- Pursue opportunities to develop a watershed approach to flood protection



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### Goal #3: Healthy creeks and bay ecosystems: riparian habitat

- Restore concrete lined sections of creeks to natural conditions
- Provide riparian habitat for artificial reaches of channels
- Continue programs to reduce or eliminate invasive plant species beyond permit requirements
- Plant native riparian vegetation on un-vegetated banks
- Develop enhanced guidelines and standards for land use near streams with cities, county, and others



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### Goal #3: Healthy creeks and bay ecosystems: improving fisheries



- Remove remaining fish barriers on Stevens Creek, in the upper reaches of Saratoga Creek, Alamos Creek, Coyote Creek, Uvas Creek, and Llagas Creek
- Restore reaches of Stevens Creek, Coyote Creek, Uvas Creek, Guadalupe Creek and Alamos Creek to enhance fisheries
- Provide separation of main channels from adjacent water bodies on Coyote Creek, and Llagas Creek to reduce warming effect on stream flows and to protect migrating fish
- Almaden Lake separation from Alamos Creek
- Provide gravel augmentation below dams to improve spawning areas at Stevens, Anderson, Almaden, and Guadalupe dams
- Consider fish passage opportunities in District reservoir

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### Goal #3: Healthy creeks and bay ecosystems: improving tidal and freshwater wetlands

- Create a transition zone between fresh water habitat and tidal marsh restoration in connection with South Bay Salt Pond Restoration Project
- Improve riparian and ecosystem habitats in Thompson Creek downstream of Quimby Road
- Develop environmental enhancement opportunities in the Pajaro Watershed



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### Goal #4: Clean safe water in our creek and bays: Pollution prevention

- Provide support to implement regional solutions to reduce pollutant sources with SCVURPPP
- Expand regional pollution prevention outreach with SCVURPPP



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## Goal #4: Clean safe water in our creek and bays: Impaired Water Bodies

- Assess pollutant sources and controls available
- Expand trash control and abatement program and partnerships
- Develop specific projects to address regulatory Total Maximum Daily Load (TMDL) requirements for district owned water bodies
- Implement mercury removal systems in district reservoirs



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## Goal #4: Clean safe water in our creek and bays: Trash and Litter Reduction

### Trash and Litter Reduction

- Work with municipalities to install storm drain inlets and outlets to prevent trash and debris from entering the waterways
- Increase public outreach and work more closely with municipalities to aggressively reduce trash and litter



### Illegal Encampments

- Expand work with City of San Jose and the Police Department to prevent homeless encampments in creeks



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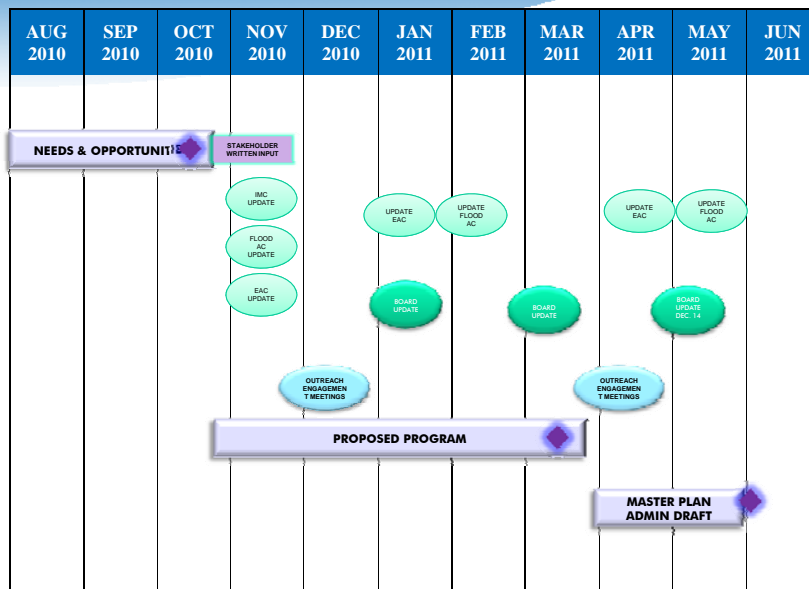
## Goal #5: Trails and open space Opportunities

- Continue Clean Safe Creeks grant program for trails
- fund trails opportunities as part of district capital projects
- Open up more District right of way to cities for trail construction
- Consider specific stakeholder suggestions



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## Next Steps



MILESTONES

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