

November 28, 2017

**TO: SAFE, CLEAN WATER AND NATURAL FLOOD PROTECTION PROGRAM,
INDEPENDENT MONITORING COMMITTEE**

Jurisdiction

District 1

District 2

District 3

District 4

District 5

District 6

District 7

Member

Julie Hutcheson

Doug Muirhead

Kathleen Sutherland

Hon. Tara Martin-Milius

Hon. Carmen Montano

Debra Cauble

Hon. Joe Head

Bill Hoeft

Eileen McLaughlin

Hon. Patrick Kwok

Hon. Dan McCorquodale

Tess Byler

Kit Gordon

The Safe, Clean Water and Natural Flood Protection Program, Independent Monitoring Committee meeting is scheduled to be held on **Wednesday, December 6, 2017, at 4:00 p.m.**, in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California. Dinner will be served.

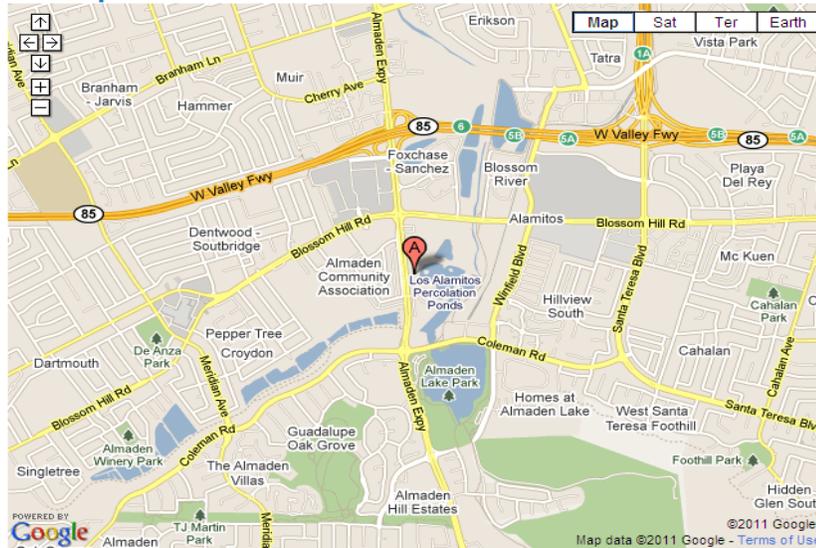
Enclosed are the meeting agenda and corresponding materials. Copies of this packet will be available at the meeting. The meeting packet can also be viewed on-line at <http://www.valleywater.org/SCWIMCmeetings.aspx>.

Please confirm your attendance **no later than Thursday, November 30, 2017**, by contacting Glenna Brambill at 1-408-630-2408, or gbrambill@valleywater.org.

Enclosures



**Santa Clara Valley Water District - Headquarters Building,
5700 Almaden Expressway, San Jose, CA 95118**



From Oakland:

- Take 880 South to 85 South
- Take 85 South to Almaden Expressway exit
- Turn left on Almaden Plaza Way
- Turn right (south) on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Morgan Hill/Gilroy:

- Take 101 North to 85 North
- Take 85 North to Almaden Expressway exit
- Turn left on Almaden Expressway
- Cross Blossom Hill Road
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Sunnyvale:

- Take Highway 87 South to 85 North
- Take Highway 85 North to Almaden Expressway exit
- Turn left on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From San Francisco:

- Take 280 South to Highway 85 South
- Take Highway 85 South to Almaden Expressway exit
- Turn left on Almaden Plaza Way
- Turn right (south) on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Downtown San Jose:

- Take Highway 87 - Guadalupe Expressway South
- Exit on Santa Teresa Blvd.
- Turn right on Blossom Hill Road
- Turn left at Almaden Expressway
- At Via Monte (first traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Walnut Creek, Concord and East Bay areas:

- Take 680 South to 280 North
- Exit Highway 87-Guadalupe Expressway South
- Exit on Santa Teresa Blvd.
- Turn right on Blossom Hill Road
- Turn left at Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance



Committee Officers

Kathy Sutherland, Committee Chair

Patrick Kwok, Committee Vice Chair

Board Representative

John L. Varela, Board Representative

Richard P. Santos, Board Alternate

AGENDA

Safe, Clean Water and Natural Flood Protection Program (SCW)
Independent Monitoring Committee

WEDNESDAY, DECEMBER 6, 2017

4:00 p.m. – 7:00 p.m.

Santa Clara Valley Water District
Headquarters Building Boardroom
5700 Almaden Expressway
San Jose, CA 95118

1. Call to Order (Chair Sutherland)
2. Roll Call (Committee Liaison)
3. Time Open for Public Comment on Any Item Not on Agenda
4. Elect 2018 Chair and Vice Chair
5. Approval of Minutes – February 15, 2017, meeting
6. IMC Requested Presentations:
 - A. Final Audit Report Presentation by Moss Adams (Karna DuQuite)
 - B. U.S. Army Corps of Engineers project updates provided to the Board on April 11, 2017 (Ngoc Nguyen)
 - C. February 21, 2017, Flood Event on Coyote Creek and subsequent project modification (Afshin Rouhani)
7. Review Process and Schedule (Jessica Collins)
 - A. Determine whether to continue existing or establish a new review process
 - a. Review prior subcommittee assignments
 - B. Set schedule for review of FY17 SCW Annual Report and development of IMC's Year 4 Report
 - a. Review proposed schedule
8. Next Steps: (Jessica Collins)
 - A. IMC Report on the FY17 SCW Annual Report Finalized by February 2018
 - B. IMC Chair presents IMC Report to Board of Directors in March 2018
9. Review and Clarification of Action Items (Committee Liaison)
10. Adjourn

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SAFE, CLEAN WATER AND NATURAL FLOOD PROTECTION PROGRAM
INDEPENDENT MONITORING COMMITTEE

DRAFT MINUTES

WEDNESDAY, FEBRUARY 15, 2017

(Paragraph numbers coincide with agenda item numbers)

A regularly scheduled meeting of the Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee was held on February 15, 2017, in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California.

1. CALL TO ORDER

Chair Kathleen Sutherland called the meeting to order at 4:12 p.m.

2. ROLL CALL

A quorum was established.

Members in attendance were:

<u>Jurisdiction</u>	<u>Representative</u>	<u>Representative</u>
District 1	Julie Hutcheson	
District 2	Marc Klemencic	Kathleen Sutherland
District 4	Debra Cauble	
District 5	Bill Hoeft	Eileen McLaughlin
District 6	Hon. Patrick S. Kwok	
District 7	Tess Byler	Kit Gordon
Appointment	Jimmy Nguyen*	

Members not in attendance were:

<u>Jurisdiction</u>	<u>Representative</u>	
District 4		Hon. Joe Head
District 6		Hon. Dan McCorquodale

*Committee Members arrived as indicated below.

Mr. Jimmy Nguyen arrived at 4:30 p.m.

There were no Board members in attendance.

Staff members in attendance were: Glenna Brambill, Jessica Collins, Jerry De La Piedra, Chris Elias, Vincent Gin, Jaclyn Goodwin, Chris Hakes, Jeannine Larabee, Melissa Moore, Ngoc Nguyen, Katherine Oven, Melanie Richardson, Kirsten Struve, Sue Tippets and Doug Titus,

3. PUBLIC COMMENT

There was no one present who wished to speak.

4. APPROVAL OF MINUTES – JANUARY 25, 2017, MEETING

It was moved by Ms. Tess Byler and seconded by Ms. Eileen McLaughlin, and by majority vote carried to approve the minutes of the January 25, 2017, Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee meeting as presented. Ms. Kit Gordon abstained.

5. REVIEW IMC'S DRAFT REPORT 3 OF THE FY16 SW ANNUAL REPORT

Chair Sutherland and Sub-Committee Chairs Hon. Kwok, Mr. Hoeft, Ms. McLaughlin and Mr. Klemencic reviewed the materials as outlined in the agenda item.

Ms. Julie Hutcheson, Ms. Debbie Cauble, Ms. Kit Gordon and Ms. Tess Byler spoke on changes, concerns, edits, and funding with the projects in the report.

Ms. Jessica Collins, Mr. Chris Elias, Mr. Vincent Gin, Mr. Ngoc Nguyen and Ms. Melanie Richardson were available to answer questions.

Hon. Patrick Kwok left at 6:18 p.m. and did not return.

6. APPROVE FINALIZATION OF DRAFT REPORT 3

Chair Sutherland reviewed the materials as outlined in the agenda item.

It was moved by Ms. Debbie Cauble and seconded by Ms. Tess Byler, and unanimously carried to approve the Chair updating all the corrections, changes and edits with the final fine tuning for presenting the report to the Board.

7. NEXT STEPS-IMC CHAIR PRESENTS IMC REPORT TO BOARD OF DIRECTORS ON FEBRUARY 28, 2017

Chair Kathleen Sutherland will present the final Report 3 letter and applicable attachments to the Board of Directors at their February 28, 2017, meeting.

8. REVIEW AND CLARIFICATION OF ACTION ITEMS

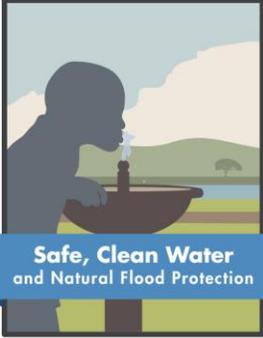
Ms. Glenna Brambill reported there were no action items for Board consideration.

9. ADJOURNMENT

Chair Kathleen Sutherland adjourned the meeting at 6:28 p.m.

Glenna Brambill
Committee Liaison
Office of the Clerk of the Board

Approved:



Independent Monitoring Committee
**Safe, Clean Water
and Natural Flood Protection Program**



Meeting Date: 12/06/17
Agenda Item: 4
Presenter Name: Michele King
Email: mking@valleywater.org
Est. Staff Time: 5 minutes

AGENDA MEMO

Subject:

Election of Chair and Vice Chair

Board Request:

None.

Background:

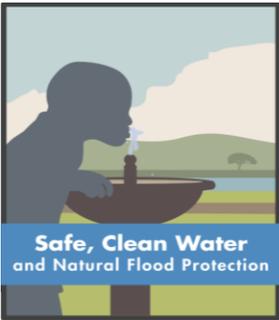
Per the Board Resolution, the duties of the Chair and Vice Chair are as follows:

The officers of the Committee shall be a Chair and Vice Chair, both of whom shall be members of the Committee. The Chair and Vice Chairperson shall be elected by the Committee, each for a term of one year commencing on July 1 and ending on June 30. The Committee shall elect its officers at a meeting of the Committee held the first meeting of the year. All officers shall hold over in their respective offices after their term of office has expired until their successors have been elected and have assumed office.

The Chair shall preside at all meetings of the Committee. The Chair shall sign all resolutions and all other instruments made or promulgated by the Committee and he or she shall perform such other duties as the Committee may prescribe consistent with the purpose of the Committee.

The Vice Chair shall perform the duties of the Chair in the absence or incapacity of the Chair; and in case of the resignation of or death of the Chair, the Vice Chair shall perform such duties as are imposed upon the Chairperson until such time as a new Chair is elected by the Committee.

Should the office of Chair or Vice Chair become vacant during the term of such office, the Committee shall elect a successor from its membership at the earliest meeting at which such election would be practicable, and such election shall be for the unexpired term of such office.



Independent Monitoring Committee
**Safe, Clean Water
and Natural Flood Protection Program**



In the event the Chair and Vice Chair are both absent from a meeting; the Committee may elect a Chair Pro-tempore to preside over the meeting during the absence of the Chair and Vice Chair.

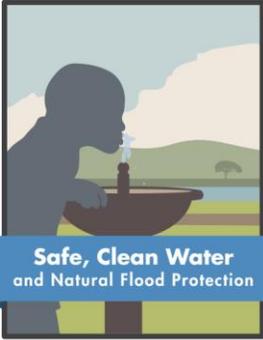
Additional bylaws may be adopted for the purpose of conducting the business of the Committee.

Next Steps:

None

Attachments

None.



Independent Monitoring Committee
**Safe, Clean Water
and Natural Flood Protection Program**



Meeting Date: 12/06/17

Agenda Item: 6A

Presenter Name: Colleen Rozillis

Email: Colleen.Rozillis@mossadams.com

Est. Staff Time: 10 minutes

AGENDA MEMO

Subject: Final Audit Report Presentation by Moss Adams

Board Request:

No Board request. The purpose of this item is for the Independent Monitoring Committee (IMC) to receive a presentation on Safe Clean Water and Natural Flood Protection Program Audit report. A copy of the presentation is attached.

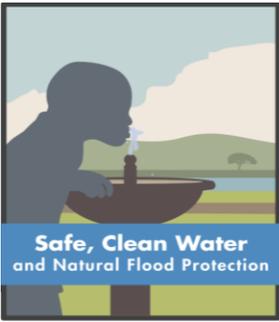
As part of the IMC's formal recommendations in the Fiscal Year 2016 IMC Report, a presentation on the Safe, Clean Water and Natural Flood Program audit results was requested.

Background:

On November 6, 2012, Santa Clara County voters passed Measure B, the Safe, Clean Water and Natural Flood Protection Program (Program) as a countywide special parcel tax. The tax went into effect on July 1, 2014, for a period of 15 years with a sunset date of June 30, 2028. The Program builds upon the success of its predecessor, the 15-year Clean, Safe Creeks and Natural Flood Protection plan (Clean, Safe Creeks).

Specifically, section N of Measure B requires that:

"During the Safe, Clean Water and Natural Flood Protection Program period, the Board of Directors shall conduct at least two professional audits of the Program to provide accountability and transparency."



Independent Monitoring Committee
**Safe, Clean Water
and Natural Flood Protection Program**



Moss Adams completed an audit of the SCW Program for Year 1 through Year 3 (Fiscal Year 2014 - Fiscal Year 2016) and presented the preliminary draft audit report to the District on February 28, 2017. Moss Adams revised the preliminary draft audit report based on comments received at the presentation and submitted the final draft audit report on March 4, 2017.

Additionally, Moss Adams presented the final draft audit report to the Board Audit Committee (BAC) on June 1, 2017. At this meeting, the BAC directed that Moss Adams present the Final Safe, Clean Water and Natural Flood Protection Performance Audit Report to the full Board. Moss Adams presented the final Audit Report to the District Board of Directors on June 13, 2017, Agenda item 4.1:

<https://scvwd.legistar.com/LegislationDetail.aspx?ID=3077013&GUID=7F4E8EB6-D4AB-4326-9349-EE72468B4C3F&Options=&Search=&FullText=1>.

Next Steps:

Receive comments from the Independent Monitoring Committee.

Attachments:

Attachment 1: Presentation: Year 1 - Year 3 Program Audit Results



Safe, Clean Water Performance Audit

December 6, 2017

Objectives and Scope

Assess and determine, for the first three years of the Program:

- If Measure B funds were collected and expended by the District in accordance with the tax measure
- Compliance with all applicable provisions of the Measure B tax, including stated provisions A through O. Identify any opportunities for improvement or performance gaps
- If the District is making reasonable progress towards meeting the Program's priorities and key performance indicators (KPIs)
- If the District is on track to meet the five Program priorities outlined in the Safe, Clean Water Program Report, and the five-year targets established in the 5-Year Implementation Plan
- If the District is properly implementing approved change control processes to make Program adjustments and modifications deemed necessary



Commendations

- IMC and District roles & responsibilities clarified
- Annual report process improvement
- Use of internal KPIs and five-year planning framework
- Establishment of change control process
- Succession planning efforts underway
- Compliance best practices



Compliance

No findings:

- Tax levy and collections
- Exemptions
- Expenditures



4

Recommendations:

- Continue to use District controls and processes to ensure adherence to the provisions of Measure B

Progress Toward Priorities and KPIs

Priority	On Target	Adjusted	Not Started
Priority A	1	1	1
Priority B	7	-	-
Priority C	2	-	-
Priority D	8	-	-
Priority E	5	3	-
TOTAL	23	4	1



Performance

Nine total findings in three categories:

- Workforce
- Program management
- Leveraging external resources

Opportunities for improving efficiency and effectiveness of program delivery:

- Improving communication and collaboration within the District and with partners
- Typical of a large organization in the beginning of a major capital program



Workforce

- 1. Finding:** Staffing decreased at the end of the Clean, Safe Creek Program and has not increased with the start of the Safe, Clean Water Program. Project managers, particularly those responsible for Priority B, rely on temporary staff and interns to accomplish project milestones.

Recommendation: Evaluate project staffing levels, considering current and future needs, and hire qualified staff, as necessary, to execute projects according to plan.



Program Management

2. Finding: Some KPIs focus on outputs rather than outcomes and do not address District success in achieving key objectives.

Recommendation: Consider revising output-focused KPIs to better demonstrate District success in meeting intended outcomes.

3. Finding: Grants management activities have been under-resourced and cumbersome to perform.

Recommendation: Continue to take measures to centralize and strengthen grants management.

4. Finding: Lack of planning and coordination between project managers and the Legal and Procurement Departments has hindered timely completion of key project initiation tasks.

Recommendation: Establish a task force comprised of project managers and representatives from the Legal and Procurement Departments to identify ways to streamline project initiation.



Program Management

5. **Finding:** Some project managers report challenges with appropriately prioritizing projects and coordinating with other priorities to meet timelines.

Recommendation: Increase communication and collaboration among project managers and District stakeholders to ensure progress towards KPIs moves forward according to established plans.

6. **Finding:** There is an increase in demand for encampment cleanup due to homelessness issues. Priority B4 used future funding to meet current demand and may completely expend earmarked funds by 2019.

Recommendation: Develop a plan for using the remaining Priority B4 resources and determine whether additional resources should be allocated.

7. **Finding:** Demand for nitrate removal system rebates is lower than anticipated, so the District has only issued 12 of 1,000 planned rebates.

Recommendation: Continue looking for innovative solutions to educate private well users and disperse nitrate rebates.



Leveraging External Resources

8. Finding: Project managers reported difficulty in collaborating with other agencies and expressed concerns that project progress and financial resources may be negatively impacted as a result.

Recommendation: Ensure consistent stakeholder collaboration by establishing District-wide standards and adding stakeholder engagement steps to the project management process.

9. Finding: Some projects have required additional funding for materials and supplies to leverage increasing volunteer resources.

Recommendation: Consider establishing a civic engagement role to manage volunteer sign-ups, data and tracking, community engagement, and materials for all projects.



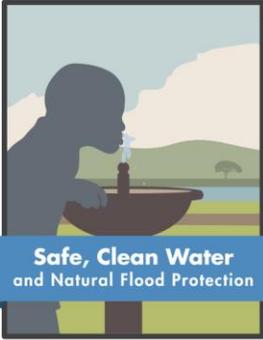
The material appearing in this presentation is for informational purposes only and should not be construed as advice of any kind, including, without limitation, legal, accounting, or investment advice. This information is not intended to create, and receipt does not constitute, a legal relationship, including, but not limited to, an accountant-client relationship. Although this information may have been prepared by professionals, it should not be used as a substitute for professional services. If legal, accounting, investment, or other professional advice is required, the services of a professional should be sought.

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THANK YOU



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Independent Monitoring Committee
**Safe, Clean Water
and Natural Flood Protection Program**



Meeting Date: 12/06/17
Agenda Item: 6B
Presenter Name: Ngoc Nguyen
Email: nnguyen@valleywater.org
Est. Staff Time: 15 minutes

AGENDA MEMO

Subject:

Update on U.S. Army Corps of Engineers Projects That was Provided to the Board on April 11, 2017

Board Request:

The Independent Monitoring Committee requested a presentation on U.S. Army Corps of Engineers Projects that was provided to the Board on April 11, 2017.

Background:

The District is currently partnering with the U.S. Army Corps Engineers on planning, design, and/or construction of five flood protection projects that will provide flood protection for up to 11,700 parcels in Santa Clara County. These five projects are: (1) Upper Guadalupe River; (2) South San Francisco Bay Shoreline Study; (3) Upper Berryessa Creek; (4) San Francisquito Creek; and (4) Upper Llagas Creek. Attachment 1 is the conformed copy of the April 11, 2017 Board Agenda Memo that was presented to the Board.

Next Steps:

None

Attachments

Attachment 1: April 11, 2017 Conformed Board Agenda Memo providing Update on U.S. Army Corps of Engineers Projects



Santa Clara Valley Water District

CONFORMED COPY

File No.: 17-0184

Agenda Date: 4/11/2017
Item No.: 2.10.

BOARD AGENDA MEMORANDUM

SUBJECT:

Update on United States Army Corps of Engineers (USACE) Partnership Projects.

RECOMMENDATION:

Receive and discuss information related to status of the United States Army Corps of Engineers (USACE) projects where the District is the Local Sponsor, Co-Local Sponsor or member of a Local Sponsor Agency.

SUMMARY:

USACE Partnership Projects:

The District is currently partnering with the USACE on planning, design, and/or construction of five flood protection projects that will provide flood protection for up to 11,762 residents and businesses in Santa Clara County. Annually, staff updates the board on all USACE partnership projects in preparation for upcoming legislative meetings in Washington, DC in which the District will be requesting federal funding for its projects. Key staff from the USACE San Francisco District Civil Works Branch will be in attendance to address specific project questions on the following projects:

N. Nguyen

- | | |
|---|-----------------------------------|
| 1.Upper Guadalupe River Project | Construction |
| 2.South San Francisco Bay Shoreline Study | Design and next feasibility phase |
| 3.Upper Berryessa Creek Project | Construction |
| 4.San Francisquito Creek Project | Feasibility |

K. Oven

- | | |
|------------------------------|--------------|
| 5.Upper Llagas Creek Project | Construction |
|------------------------------|--------------|

Annually, the USACE identifies their Federal appropriations request for each project with the intent of obtaining funds in the President’s budget. Attachment 1 summarizes the funding requests for FY17 and FY18. The USACE fiscal year begins October 1 and ends September 30. The status of each of these projects is described in the PowerPoint presentation (Attachment 2).

File No.: 17-0184

Agenda Date: 4/11/2017
Item No.: 2.10.

Funding for the following projects has been included in the Federal FY17 Budget Request:

- Upper Guadalupe River: \$1.2M for construction
- South SF Bay Shoreline: \$550K for design and next feasibility phase
- San Francisquito Creek: \$471K for feasibility

In FY 16, the USACE received the following funding appropriations:

- Upper Berryessa Creek: \$20M to complete construction
- San Francisquito Creek: \$100K to continue feasibility
- South SF Bay Shoreline: \$3M for preconstruction engineering and design

FINANCIAL IMPACT:

There is no financial impact associated with this informational item.

CEQA:

The recommended action does not constitute a project under CEQA because it does not have a potential for resulting in direct or reasonable foreseeable indirect physical change in the environment.

ATTACHMENTS:

- Attachment 1: Federal Appropriation Requests
- Attachment 2: PowerPoint

UNCLASSIFIED MANAGER:

Ngoc Nguyen, 408-630-2632
Katherine Oven, 408-630-3126

**Summary of Preliminary Federal Appropriation Requests
For Federal Fiscal Years 2017 and 2018
For projects that affect Santa Clara County, California**

U.S. Army Corps of Engineers Requests

Project/Program Name	District Involvement	Fiscal Year 2017 Request[†]	Preliminary Fiscal Year 2018 Request
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Flood Protection Projects of Direct Interest to the Santa Clara Valley Water District			
Upper Guadalupe River Project	Local Sponsor	\$1.2 million	\$72 million
South San Francisco Bay Shoreline Study*	Co-Local Sponsor	\$550,000	\$15.4 million
Coyote/Berryessa Creek Project	Local Sponsor	Currently funded through completion	Currently funded through completion
San Francisquito Creek Project*	Member of the San Francisquito Creek Joint Powers Authority, the Local Sponsor	\$471,000	\$471,000
Llagas Creek Project	Local Sponsor	Will use contributed funds	\$0

[†]Fiscal Year 2017 funding allocations not finalized yet.

*Interjurisdictional Project/Program.

Attachment 1
Page 1 of 1

District – United States Army Corps of Engineers (USACE) Partnership Flood Protection Projects

Project status - Fiscal Year 2016-2017

SCVWD Board of Directors
& USACE Staff

April 11, 2017

Santa Clara Valley
Water District



**US Army Corps
of Engineers**®
San Francisco District

Proposed FY18 Federal Funding Request

Project/Program Name	USACE District	District Involvement	Fiscal Year 2016 Work Plan	Fiscal Year 2017 Administration Budget Request	Fiscal Year 2018 Request
Upper Guadalupe River Project	San Francisco	As the Local Sponsor	\$0	\$1.2 million	\$72 million
South San Francisco Bay Shoreline Study*	San Francisco	As a Co-Local Sponsor	\$3 million	\$550,000	\$15.4 million
Coyote/Berryessa Creek Project	San Francisco	As the Local Sponsor	\$20 million	funded through completion	funded through completion
San Francisquito Creek Flood Project*	San Francisco	As a member of the San Francisquito Creek Joint Powers Authority as the Local Sponsor	\$100,000	\$471,000	\$471,000
Llagas Creek Project	San Francisco	As the Local Sponsor	\$0	negotiating MOU to use contributed funds	\$0

*Interjurisdictional Project/Program

Upper Guadalupe River

From I-280 to Blossom Hill Road – 5.5 miles

Objectives

- Provide 100-yr flood protection to nearly 7,000 parcels
- Preserve and improve wildlife and fisheries habitat
- Provide opportunity for a continuous 6-mile trail



Schedule

- | | |
|---|-----------|
| ▪ Revised 65% vehicular bridges (P&S) | completed |
| ▪ GWIWG Review of 65% vehicular bridges | Mar 2017 |
| ▪ 100% Design of vehicular bridges | Apr 2017 |
| ▪ Reach 10B & 12 Planting | Dec 2017 |
| ▪ Revised 95% Reaches 7&8 Channel (P&S) | TBD |
| ▪ 100% Reaches 7&8 Channel (P&S) | TBD |

Upper Guadalupe River

From I-280 to Blossom Hill Road – 5.5 miles

Updates

Reaches 7 & 8 Channel Design: Design team met with USFWS, NMFS, and RWQCB on Feb 1. Team is working to resolve comments on channel design. Optimal schedule is to award construction of channel work in 2018.

Reaches 7 & 8 65% Vehicular Bridge Designs: Designs submitted to GWIG in February with comments due at end of March. Aim is to obtain bridge design approvals prior to channel design approval, in order to help position the bridges for 2018 construction.

GWIG Coordination: Obtaining concurrence from GWIG on Reaches 7 & 8 bridges and channel designs has posed to be a significant challenge. Team cannot pursue actions that are outside of the USACE authorized plan.



Estimated Total Project Cost

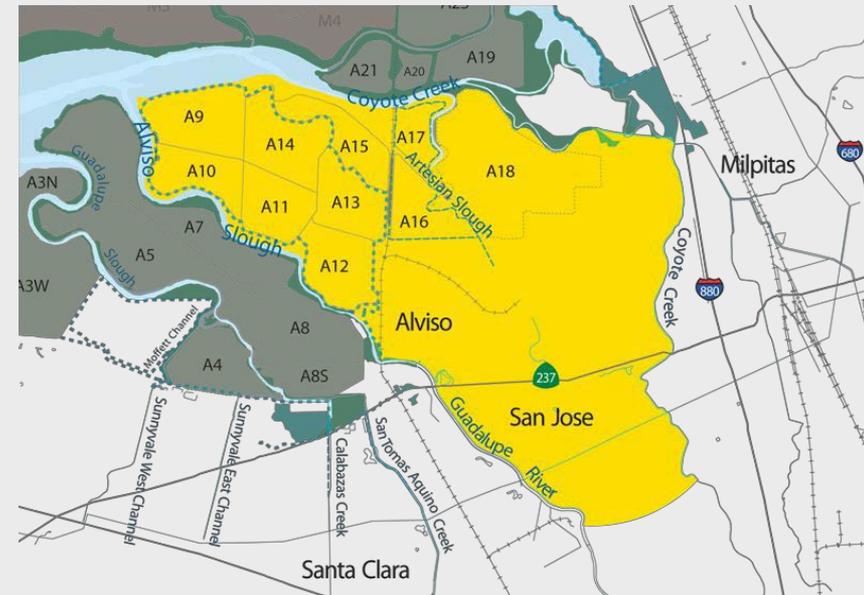
Fed:	\$188 million
<u>SCVWD:</u>	<u>\$105 million</u>
Total:	\$293 million

South SF Bay Shoreline Study – EIA 11

North San Jose and Alviso – 4 miles

Objectives

- Protect area from up to 100-yr tidal events including for sea level rise thru year 2067
- Restore 2,900 acres of tidal marsh habitat for federally endangered species and migratory birds
- Provide public access and recreational opportunities



Schedule

- | | |
|--|-----------|
| ▪ Chief’s Report signed | Dec 2015 |
| ▪ Design Agreement signed | July 2016 |
| ▪ Reach 1 Levee Design begins | Oct 2016 |
| ▪ Environmental Permits way forward | July 2017 |
| ▪ Reach 1 Levee Design completed | Dec 2017 |
| ▪ Reach 1 Levee Const. award (pend. funds) | May 2018 |

South SF Bay Shoreline Study – EIA 11

North San Jose and Alviso – 4 miles

Updates

Environmental Approval: RWQCB had provided a letter of support, but no permit, as the design has not been completed.

Team will meet with RWQCB on March 30 to discuss their concerns on:

- Pond A18 levee alignment
- Zero net loss policy, and
- Artesian Slough Crossing

Team needs RWQCB buy-in by July 17 to not impact design schedule.

Federal Funding: USACE needs construction funds in FY18 budget to begin construction in May 2018. SPD has prioritized this as a new start for construction funds.



Estimated Total Design & Const Cost

Fed:	\$70.3 million
SCC:	\$44 million
<u>SCVWD:</u>	<u>\$59.7 million</u>
Total:	\$174 million

Upper Berryessa Creek

From Calaveras Blvd to I-680 – 2.2 miles

Objectives

- Provide 100-yr flood protection to 650 parcels and Milpitas Bart Station
- Provide recreational opportunities in Cities of Milpitas and San Jose



Schedule

- | | |
|-------------------------|----------|
| ■ Award Contract | Aug 2016 |
| ■ Start Construction | Oct 2016 |
| ■ Restart Construction | Mar 2017 |
| ■ Complete Construction | Dec 2017 |

Upper Berryessa Creek

From Calaveras Blvd to I-680 – 2.2 miles

Updates

2016 Construction: 2016 work was completed on schedule with ~500 feet of channel constructed.

2017 Construction: Construction re-started on March 1 on schedule.

Rain Impacts: The site is saturated and there has been substantial flow in the channel. Despite rain project is still on schedule for December 2017 completion.

2017 Construction: Construction will re-start March 1. The Union Pacific Railroad trestle bridge is planned for replacement in mid-July 2017. Coordination with the railroad continues.



Estimated Total Project Cost

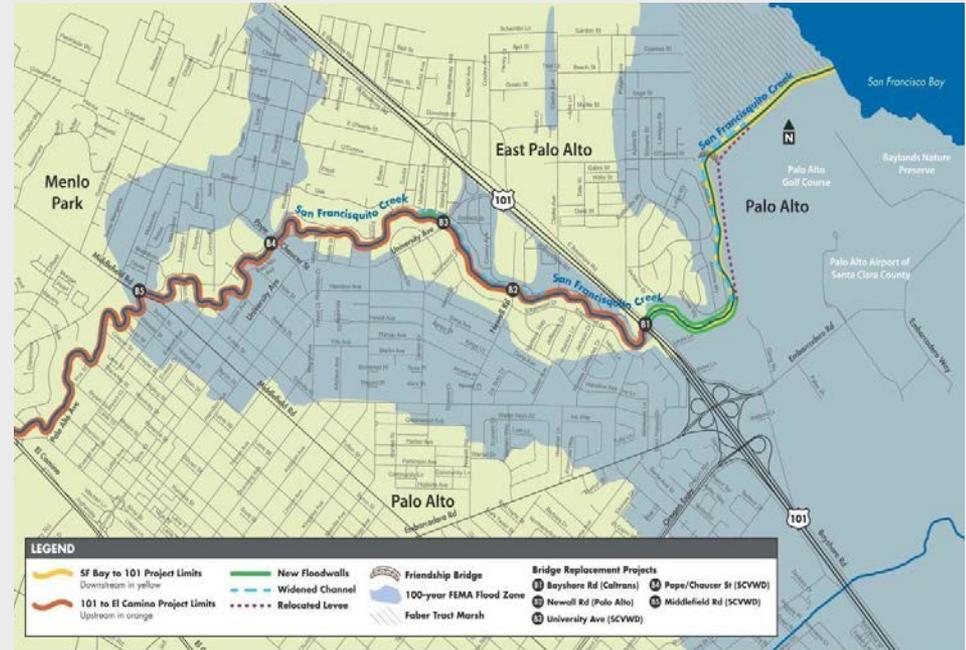
Fed:	\$21.2 million
<u>SCVWD:</u>	<u>\$16 million</u>
Total:	\$37.2 million

San Francisquito Creek

From HWY 101 to El Camino Real – 3.7 miles

Objectives

- Protect more than 3000 homes, schools, businesses from 100-yr flood



Schedule

- Tentatively Selected Plan Aug 2017
- Agency Decision Memo Aug 2018
- Chief's Report February 2020

San Francisquito Creek

From HWY 101 to El Camino Real – 3.7 miles

Updates

3x3x3 Waiver: Waiver Package was submitted to HQ Dec 2016 and has not been reviewed/approved. Proposed Cost has increased by \$193,278. An additional 34 months was requested with proposed completion date of Feb 2020.

SCVWD Funding: SCVWD funds were provided at start of FY17 to meet cost share requirements (\$270,000).

Project Tasks: Project schedule needs to be finalized; project H&H models and economic analysis to continue; impact assessment findings need to be applied; and Tentatively Selected Plan needs to be identified.



Estimated Total Project Cost

Fed:	\$3.2 million
SMFCD:	\$1.5 million
<u>SCVWD:</u>	<u>\$1.5 million</u>
Total:	\$6.2 million

Upper Llagas Creek

Morgan Hill, San Martin, Gilroy Areas – 14 miles

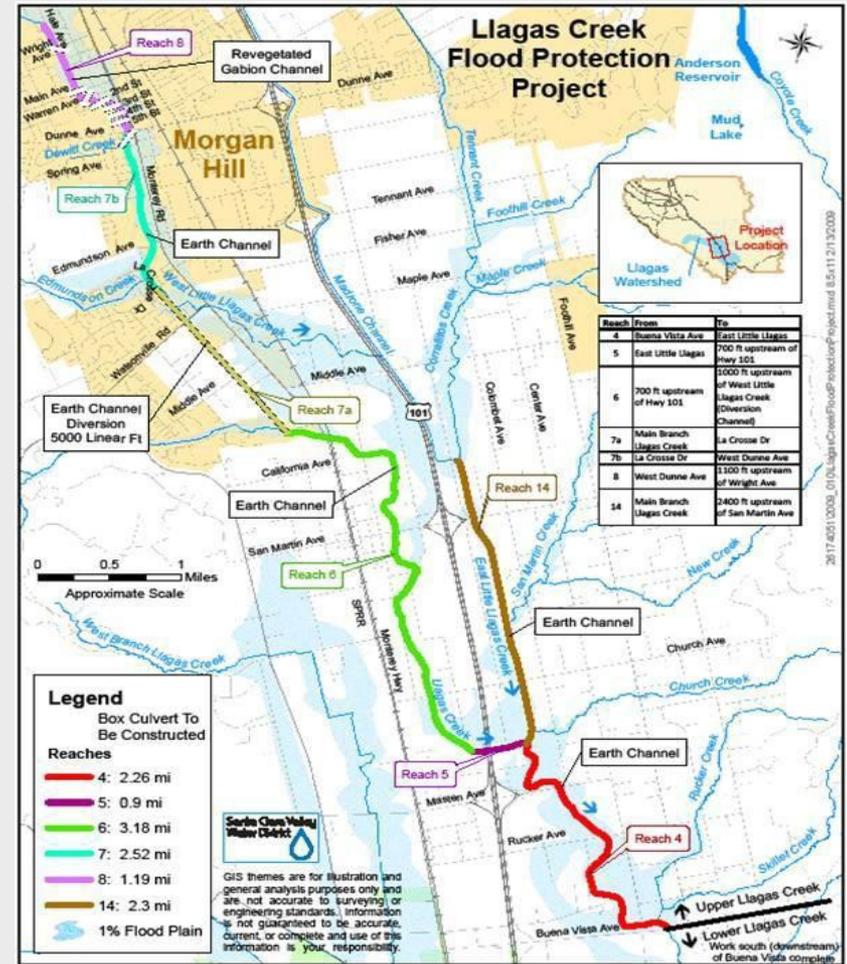
Objectives

- Provide 100-yr flood protection to urban areas of Morgan Hill, San Martin, and Gilroy
- Provide 10-yr flood protection or not induce flooding to agricultural areas of San Martin and Gilroy
- Protect, enhance, or restore the creek ecosystems geomorphically
- Provide opportunities to integrate recreational improvements

Schedule

- Draft Agreement to SCVWD 2015
- Submit Agreement to HQ May 2017
- Update PMP* TBD
- SCVWD approves PMP TBD

*Project Management Plan



Upper Llagas Creek

Morgan Hill Urban Areas – 14 miles

Updates

Funds: A Contributed Funds (CF) agreement would support the completion of a Limited Re-evaluation Report for up to \$810,000.

LRR: The Limited Re-evaluation Report will be an updated Economic Report. The revised scope removed DDR* and EIS/EIR tasks from the CF package; this is not allowable under CF authorization.

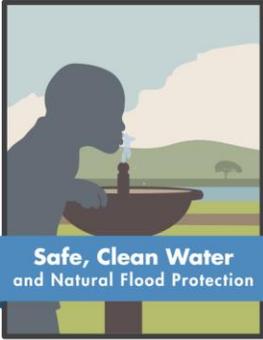
Agreement: SCVWD provided comments on the Agreement; USACE deemed comments non-substantive. Re-visited guidance and requirement for PMP in front of CF appears gray. As such will submit Agreement as is to HQ for approval.



Estimated Total Construction Cost (WRDA 2007)

Fed:	\$65 million
<u>SCVWD:</u>	<u>\$40 million</u>
Total:	\$105 million

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Meeting Date: 12/06/17
Agenda Item: 6C
Presenter Name: Afshin Rouhani
Email: arouhani@valleywater.org
Est. Staff Time: 20 minutes

AGENDA MEMO

SUBJECT: February 21, 2017 Flood Event on Coyote Creek and Subsequent Project Modification

BOARD REQUEST:

None.

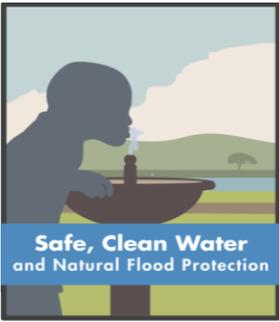
BACKGROUND:

Coyote Creek Flood History

Flooding has occurred many times within the Coyote Creek Watershed, including along portions of Coyote Creek itself in 1911, 1917, 1931, 1958, 1969, 1982, 1983, 1997, 1998, and 2017. The largest flow recorded on Coyote Creek was 25,000 cubic feet per second in 1911, prior to construction of the current two water-supply reservoirs in the upper watershed. Since the construction of Anderson Reservoir in 1950, the worst flooding in the project reach occurred on February 21, 2017. On that day, Coyote Creek overtopped its banks at several locations between Montague Expressway and Tully Road. Businesses and hundreds of homes were inundated by creek waters for many hours. Highway 101 near Watson Park, and various local streets, were closed due to flooding and thousands of residents had to be evacuated and sheltered (see Figure 1 for map of February 21, 2017 flooded areas and Figure 2 for the 1% floodplain area).

Coyote Creek Flood Protection Project

The Coyote Creek Flood Protection Project (Coyote Creek Project) is located in the central portion of Coyote Creek, within the City of San José. The Coyote Creek Project was originally part of the



Independent Monitoring Committee
**Safe, Clean Water
and Natural Flood Protection Program**



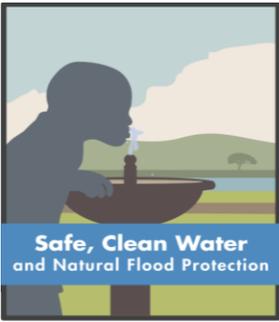
Clean, Safe Creeks and Natural Flood Protection Plan (Clean, Safe Creeks Plan), a 15-year special parcel tax approved by voters in November 2000. The project purpose was to plan, design, and partially build a project to provide 1-percent flood protection to the 6.1 mile section of Coyote Creek from Montague Expressway to Highway 280. At that time, the Clean, Safe Creeks Plan's budget for the project was approximately \$38.6 million (\$32 million in 1999 dollars). Over the next few years, approximately \$10 million was expended on a significant amount of work to develop information regarding the creek's historical ecology, hydrology, hydraulics, sediment transport, water quality, vegetation, wildlife, and fisheries.

Numerous community meetings were held during this period to collect public input. Based on this information, alternatives were developed to address the project objectives. Unfortunately, all alternatives significantly exceeded the project's available budget, with project costs ranging between \$500 million to \$1 billion. The Santa Clara Valley Water District (District) attempted on several occasions to secure U.S. Army Corps of Engineers (USACE) financial support for the project, but was not successful. With the limited available funding, the District proceeded with a design for only the downstream reaches of the project (Montague Expressway to Highway 880).

As the sunset date for the Clean, Safe Creeks Plan approached, the District developed the Safe, Clean Water and Natural Flood Protection Program (Safe, Clean Water Program), another 15-year special parcel tax, which was approved by voters in November 2012. While the Coyote Creek Project did not receive any additional Safe, Clean Water Program funding, it was one of the Clean, Safe Creeks Plan flood protection projects that was carried forward into the new program, along with its remaining budget.

Project Modification

With the experience of the February 21, 2017 flood event, the District Board made the Coyote Creek Project one of its priorities for FY 18. To provide expedited flood risk reduction to the community at risk of flooding, the Board went through a public hearing process and made two changes to the Project on June 13, 2017. These modifications were: (1) the Board extended the project reach approximately 2.9 miles upstream to Tully Road to include the Rock Springs neighborhood and incorporate the areas impacted by the February 21, 2017 flood event; and (2) reduced the allowable target flood protection level from 1%, or 100-year, level flood event, to protection from a flood event equivalent to the February 21, 2017 flood (approximately a 20 to 25 year event). These changes allowed the District to begin to reduce the flood threat to the community without depending on the progress of other projects and their impacts to creek flows. They also allowed the District to move forward with planning, design, and construction quickly.



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NEXT STEPS:

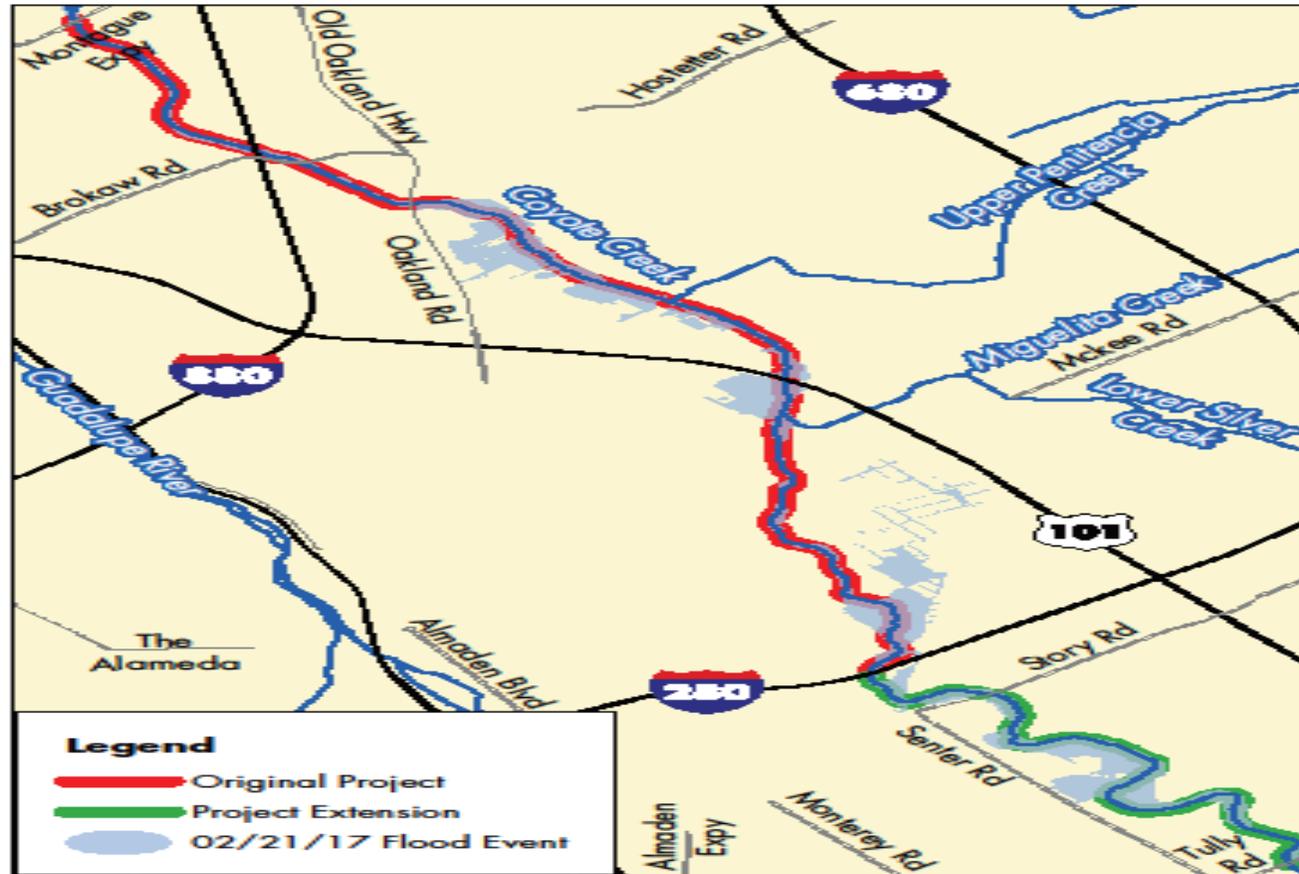
The local funding option for the Project includes identifying short-term flood relief solutions and beginning implementation prior to the 2017-2018 winter season, which is well-underway. Also, under the local funding only option, the District will complete the planning and design phases of a preferred project, and identify prioritized elements of the project for construction with the remaining local funds. The FY 2018 - 2022 Capital Improvement Program has \$25.8 million remaining for the project.

ATTACHMENTS:

- Attachment 1: February 21, 2017 Flooding and Project Modification Map
- Attachment 2: 1% Floodplain in Project Reach Area



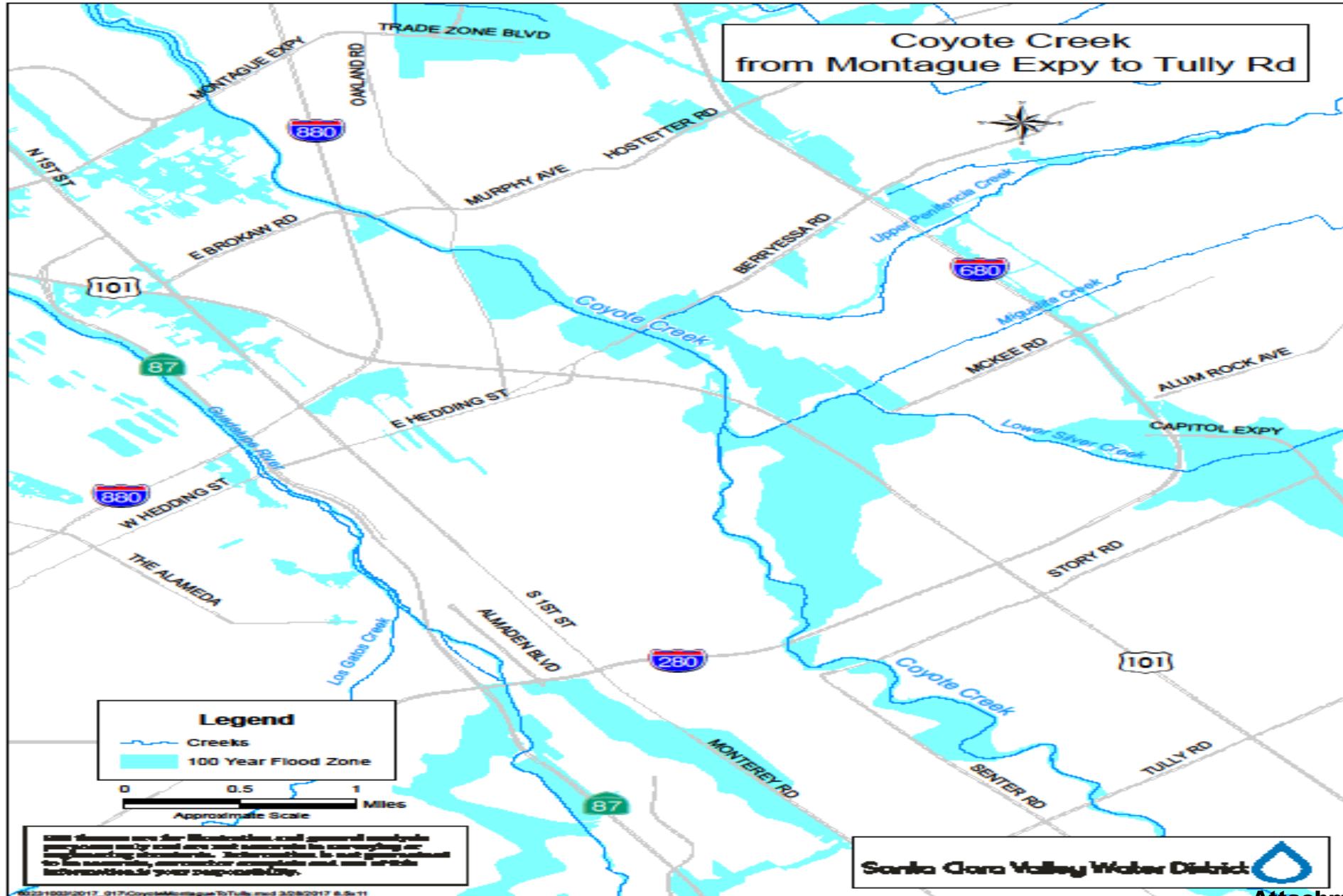
Coyote Creek Flood Protection Project



The Coyote Creek Flood Protection Project extends from Montague Expressway to Tully Road in San Jose. *Estimated flood area based upon aerial image of 02/21/17 flood event.

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Figure 2: 1% Floodplain in Project Reach Area



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IMC Review FY17 Report – Suggested Schedule

Review Period: December 2017 – February 2018

- ▶ **December 6** IMC Review Kick-Off Meeting
 - ▶ Staff to deliver requested presentations
 - ▶ IMC to discuss proposed report review schedule and process and identify sub-committee chairs/members
- ▶ **January 8-12** IMC Project Review via Priority Sub-committees
 - ▶ Project managers/deputies will attend and capture notes/questions related to their project and begin drafting responses
 - ▶ **January 19** Meeting notes w/staff responses (captured and follow-up) will be provided to IMC members
- ▶ **January 24** Sub-committee chairs report findings to IMC
 - ▶ Project managers/deputies will attend and capture notes/questions related to their project and begin drafting responses
 - ▶ **January 26** Meeting notes w/staff responses (captured and follow-up) will be provided to IMC members
- ▶ **January 31** Report Drafting Meeting (Sub-committee Chairs/representatives)
 - ▶ IMC Liaison will capture report text in the template
 - ▶ **February 2** Draft report will be provided to “Report Drafting” members for review and edits
- ▶ **February 9** Draft Report mailed to IMC members
- ▶ **February 14** IMC Meeting to Review/Finalize Draft Report
- ▶ **February 16** IMC Audit Report of Year 3 Annual Report Finalized
 - ▶ Final report released to staff
- ▶ **February 27** IMC presents report to Board of Directors
- ▶ **March 13** District staff to present Staff Response