

November 26, 2019

**TO: SAFE, CLEAN WATER AND NATURAL FLOOD PROTECTION PROGRAM,  
INDEPENDENT MONITORING COMMITTEE****Jurisdiction**District 1  
District 2  
District 3District 4  
District 5

District 6

District 7

**Member**Susan Kazemi  
Kathleen Sutherland  
Hon. Tara Martin-Milius  
Hon. Carmen Montano  
Hon. Joe Head  
Bill Hoeft  
Eileen McLaughlin  
Hon. Patrick S. Kwok  
Hon. Dan McCorquodale  
Tess Byler  
Kit Gordon

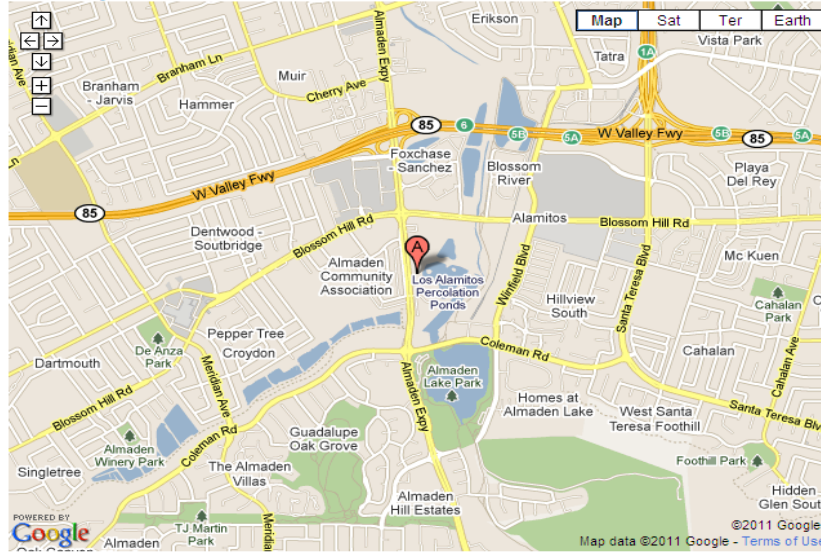
The Safe, Clean Water and Natural Flood Protection Program, Independent Monitoring Committee meeting is scheduled to be held on **Wednesday, December 4, 2019, at 4:00 p.m.**, in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California. 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 <https://www.valleywater.org/project-updates/safe-clean-water-and-natural-flood-protection-program/safe-clean-water-program-independent-monitoring-committee>.

Please confirm your attendance **no later than 12:00 p.m., Monday, December 2, 2019**, by contacting Glenna Brambill at 1-408-630-2408, or [gbrambill@valleywater.org](mailto: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



## **Santa Clara Valley Water District SCW Independent Monitoring Committee Meeting**

**HQ Boardroom  
5700 Almaden Expressway  
San Jose, CA 95118**

### **REGULAR MEETING AGENDA**

**Wednesday, December 4, 2019  
4:00 PM**

**District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.**

**SAFE, CLEAN WATER  
INDEPENDENT MONITORING  
COMMITTEE**

**COMMITTEE OFFICERS:**  
Kit Gordon, Committee Chair

All public records relating to an item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend IMC meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

**SCVWD BOARD  
REPRESENTATIVES:**  
Linda J. LeZotte, Board  
Representative  
Nai Hsueh, Board Alternate

**Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.**

**Santa Clara Valley Water District  
SCW Independent Monitoring Committee  
REGULAR MEETING  
AGENDA**

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Wednesday, December 4, 2019

4:00 PM

HQ Boardroom

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**1. CALL TO ORDER:**

**2. Roll Call.**

**3. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.**

*Notice to the public: This item is reserved for persons desiring to address the Committee on any matter not on this agenda. Members of the public who wish to address the Committee on any item not listed on the agenda should complete a Speaker Form and present it to the Committee Clerk. The Committee Chair will call individuals in turn. Speakers comments should be limited to two minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.*

**4. Elect 2020 Chair and Vice Chair**

#### 4.1. Election of Chair and Vice Chair

[19-1125](#)

Recommendation: **RECOMMENDATION:**

Elect the 2020 Chair and Vice Chair

**SUMMARY:**

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

The officers of each Committee shall be a Chairperson and Vice-Chairperson, both of whom shall be members of that Committee. The Chairperson and Vice-Chairperson shall be elected by the Committee, each for a term of one year commencing on January 1 and ending on December 31 and for no more than two consecutive terms. The Committee shall elect its officers at the first meeting of the calendar 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 Chairperson shall preside at all meetings of the Committee, and he or she shall perform other such duties as the Committee may prescribe consistent with the purpose of the Committee.

The Vice-Chairperson shall perform the duties of the Chairperson in the absence or incapacity of the Chairperson. In case of the unexpected vacancy of the Chairperson, the Vice-Chairperson shall perform such duties as are imposed upon the Chairperson until such time as a new Chairperson is elected by the Committee.

Should the office of Chairperson or Vice-Chairperson 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.

Should the Chairperson and Vice-Chairperson know in advance that they will both be absent from a meeting, the Chair may appoint a Chairperson Pro-tempore to preside over that meeting. In the event of an unanticipated absence of both the Chairperson and Vice-Chairperson, the Committee may elect a Chairperson Pro-tempore to preside over the meeting in their absence.

**ATTACHMENTS:**

None.

Est. Staff Time: 10 Minutes

#### 5. APPROVAL OF MINUTES:

5.1. Approval of Minutes

[19-1126](#)

Recommendation: **RECOMMENDATION:**

Approve 021319 SCW IMC Meeting Minutes

**SUMMARY:**

A summary of Committee discussions, and details of all actions taken by the Committee, during all open and public Committee meetings, is transcribed and submitted for review and approval.

Upon Committee approval, minutes transcripts are finalized and entered into the District's historical records archives and serve as historical records of the Committee's meetings.

**ATTACHMENTS:**

Attachment 1: 021319 SCW IMC Draft Meeting Minutes

Attachments:

[Attachment 1: 021319 SCW IMC DRAFT Meeting Mins](#)

Est. Staff Time:

5 Minutes

6. Independent Monitoring Committee (IMC) Requested Presentations and Information

[19-1127](#)

Recommendation: **RECOMMENDATION:**

Receive project updates as requested by the IMC during its Year 5 review cycle and view the Watersheds Operations and Maintenance video, which was generated in response to an IMC note.

**SUMMARY:**

During the prior year's annual report review cycle for Year 5 of the Program, the IMC requested informational presentations on the following projects:

- Project C2 - Emergency Response Upgrades and its nexus with Project E2 - Emergency Response Planning
- Project D6 - Creek Restoration and Stabilization
  - Hale Creek Enhancement Project
  - Bolsa Road Bridge Fish Passage Improvement Project
  - Los Gatos Creek Restoration and Flood Protection Project

Additionally, the IMC noted in its report that it would like staff to work on a graphic or chart to link work conducted under E1.1 - Vegetation Control for Capacity and E1.2 - Sediment Removal for Capacity with KPI#1, which is to maintain 90% of improved channels at design capacity. Staff faced challenges in developing a graphic or chart as the information being reported for vegetation and sediment are measured differently. In turn, staff developed the Watersheds Operations and Maintenance video to address the IMC's note. The video is available on the E1 project page at [www.valleywater.org](http://www.valleywater.org) [<http://www.valleywater.org>](http://www.valleywater.org).

**ATTACHMENTS:**

Attachment 1: C2 and E2 PowerPoint Presentation

Attachment 2: D6 PowerPoint Presentation

Attachments: [Attachment 1: Projects C2-E2 Nexus PowerPoint](#)  
[Attachment 2: Project D6 PowerPoint](#)

Est. Staff Time: 25 Minutes

7. Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee Review Process and Schedule for Fiscal Year 2019 Annual Report [19-1128](#)

Recommendation: **RECOMMENDATION:**

Receive information regarding the Safe, Clean Water report cycle and Subcommittee schedule dates for review and reporting, as requested by the Committee.

**SUMMARY:**

Valley Water staff will be presenting a brief overview of the Safe, Clean Water Annual Report cycle. Staff will be reviewing last year's subcommittee assignments and setting a schedule for review of the FY19 Annual Report.

**ATTACHMENTS:**

Attachment 1: FY19 SCW Annual Report PowerPoint Presentation

Attachment 2: SCW IMC Subcommittee List

Attachments: [Attachment 1: SCW FY19 Annual Report](#)  
[Attachment 2: SCW IMC Subcommittee](#)

Est. Staff Time: 15 Minutes

8. Annual Report Finalization and Next Steps [19-1129](#)

Recommendation: **RECOMMENDATION:**

Receive and approve proposed schedule for finalizing the Independent Monitoring Committee (IMC) Annual Report and presentation of the Report to the Board of Directors.

**SUMMARY:**

Valley Water staff will propose the schedule to the Committee for its approval. The schedule will include proposed dates for sub-committee and full committee meetings for the completion of the IMC Annual Report and its presentation to the Board of Directors by the IMC Chair.

**ATTACHMENTS:**

None.

Est. Staff Time: 20 Minutes

9. **CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.**

*This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.*



**10. ADJOURN:**

- 10.1 Adjourn to Regular Meeting at 4:00 p.m., on January 22, 2020, in the Santa Clara Valley Water District, HQ Boardroom, 5700 Almaden Expressway, San Jose, California.






# Santa Clara Valley Water District

**File No.:** 19-1125

**Agenda Date:** 12/4/2019  
**Item No.:** 4.1.

		
	Meeting Date:	12-4-19
	Item No.	4.1
	Unclassified Manager:	Michele King
		1-408-630-2711
<b>SAFE, CLEAN WATER INDEPENDENT MONITORING COMMITTEE</b>		

**SUBJECT:** Election of Chair and Vice Chair

**RECOMMENDATION:**

Elect the 2020 Chair and Vice Chair

**SUMMARY:**

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

The officers of each Committee shall be a Chairperson and Vice-Chairperson, both of whom shall be members of that Committee. The Chairperson and Vice-Chairperson shall be elected by the Committee, each for a term of one year commencing on January 1 and ending on December 31 and for no more than two consecutive terms. The Committee shall elect its officers at the first meeting of the calendar 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 Chairperson shall preside at all meetings of the Committee, and he or she shall perform other such duties as the Committee may prescribe consistent with the purpose of the Committee.

The Vice-Chairperson shall perform the duties of the Chairperson in the absence or incapacity of the Chairperson. In case of the unexpected vacancy of the Chairperson, the Vice-Chairperson shall perform such duties as are imposed upon the Chairperson until such time as a new Chairperson is elected by the Committee.

Should the office of Chairperson or Vice-Chairperson 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.

Should the Chairperson and Vice-Chairperson know in advance that they will both be absent from a meeting, the Chair may appoint a Chairperson Pro-tempore to preside over that meeting. In the

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event of an unanticipated absence of both the Chairperson and Vice-Chairperson, the Committee may elect a Chairperson Pro-tempore to preside over the meeting in their absence.

**ATTACHMENTS:**

None.



# Santa Clara Valley Water District

**File No.:** 19-1126

**Agenda Date:** 12/4/2019

**Item No.:** 5.1.



	Meeting Date:	12-4-19
	Item No.	5
	Unclassified Manager:	Michele King
		1-408-630-2711
<b>SAFE, CLEAN WATER INDEPENDENT MONITORING COMMITTEE</b>		

**SUBJECT:** Approval of Minutes

**RECOMMENDATION:**

Approve 021319 SCW IMC Meeting Minutes

**SUMMARY:**

A summary of Committee discussions, and details of all actions taken by the Committee, during all open and public Committee meetings, is transcribed and submitted for review and approval.

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**ATTACHMENTS:**

Attachment 1: 021319 SCW IMC Draft Meeting Minutes





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

# DRAFT MINUTES

WEDNESDAY, FEBRUARY 13, 2019

(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 13, 2019, in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California.

**1. CALL TO ORDER**

Chair Kit Gordon called the meeting to order at 4:06 p.m.

**2. ROLL CALL**

A quorum was established with 8 Members present.

Members in attendance were:

<u>Jurisdiction</u>	<u>Representative</u>	<u>Representative</u>
District 1	Julie Hutcheson*	Doug Muirhead
District 3	Hon. Carmen Montano	
District 4	Hon. Joe Head	Hon. Virginia Holtz
District 5	Bill Hoeft	Eileen McLaughlin
District 6	Hon. Dan McCorquodale*	
District 7	Tess Byler*	Kit Gordon

Member not in attendance was:

<u>Jurisdiction</u>	<u>Representative</u>
District 2	Kathleen Sutherland
District 3	Hon. Tara Martin-Milius
District 6	Hon. Patrick S. Kwok

\*Committee Member arrived as indicated below.

Board Members in attendance were: Director Linda J. LeZotte, Board Representative and Director Nai Hsueh Board Alternate.

Staff members in attendance were: Emmanuel Aryee, Glenna Brambill, Jessica Collins, Christine Mateo, Anthony Mendiola and Ngoc Nguyen.

**2. PUBLIC COMMENT**

There was no one present who wished to speak.

**3. APPROVAL OF MINUTES**

**3.1 APPROVAL OF JANUARY 23, 2019, MEETING MINUTES**

It was moved by Hon. Joe Head and seconded by Ms. Tess Byler and by majority vote carried to approve the minutes of the January 23, 2019, Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee meeting as presented. Hon. Virginia Holtz abstained.

\*Hon. Dan McCorquodale and Ms. Julie Hutcheson arrived at 4:15 p.m.

**4. REPORT DRAFTING COMMITTEE PRESENTS DRAFT FINAL IMC REPORT**

**a. REVIEW AND APPROVE FINAL IMC REPORT**

Chair Kit Gordon did an overview of the materials as outlined in the agenda item.

The Committee (Ms. Eileen McLaughlin, Mr. Doug Muirhead, Mr. Bill Hoeft, Hon. Carmen Montano, Ms. Julie Hutcheson, Ms. Kit Gordon and Ms. Tess Byler) discussed, tour sites, more information on North County projects, appendix and table with carryover of funds, allocation of money, grants information, priority C2 wording is clear, KPI verbiage, graphs, elements, flood forecasting,

Ms. Jessica Collins was available to answer questions.

The Committee took the following action:

It was moved by Mr. Bill Hoeft, seconded by Ms. Eileen McLaughlin, and unanimously carried that the Committee approve adoption of letter and attachments with agreed upon edits and comments,

**5. NEXT STEPS**

**FEBRUARY 26, 2019, IMC CHAIR PRESENTS FINAL REPORT TO BOARD**

Chair Kit Gordon review Board presentation to the Committee.

**6. REVIEW AND CLARIFICATION OF ACTION ITEMS**

Ms. Glenna Brambill reported there was one action item for consideration.



**7. ADJOURNMENT**

Chair Kit Gordon adjourned the meeting at 4:35 p.m. to the next scheduled meeting on Wednesday, December 2019, at 4:00 p.m., in the Santa Clara Valley Water District Headquarters Boardroom, 5700 Almaden Expressway, San Jose CA.

Glenna Brambill  
Board Committee Liaison  
Office of the Clerk of the Board

Approved:





# Santa Clara Valley Water District

**File No.:** 19-1127

**Agenda Date:** 12/4/2019

**Item No.:** 6.



	Meeting Date:	12-4-19
	Item No.	6
	Unclassified Manager:	Melanie Richardson
		1-408-630-2035
<b>SAFE, CLEAN WATER INDEPENDENT MONITORING COMMITTEE</b>		

**SUBJECT:** Independent Monitoring Committee (IMC) Requested Presentations and Information

**RECOMMENDATION:**

Receive project updates as requested by the IMC during its Year 5 review cycle and view the Watersheds Operations and Maintenance video, which was generated in response to an IMC note.

**SUMMARY:**

During the prior year's annual report review cycle for Year 5 of the Program, the IMC requested informational presentations on the following projects:

- Project C2 - Emergency Response Upgrades and its nexus with Project E2 - Emergency Response Planning
- Project D6 - Creek Restoration and Stabilization
  - Hale Creek Enhancement Project
  - Bolsa Road Bridge Fish Passage Improvement Project
  - Los Gatos Creek Restoration and Flood Protection Project

Additionally, the IMC noted in its report that it would like staff to work on a graphic or chart to link work conducted under E1.1 - Vegetation Control for Capacity and E1.2 - Sediment Removal for Capacity with KPI#1, which is to maintain 90% of improved channels at design capacity. Staff faced challenges in developing a graphic or chart as the information being reported for vegetation and sediment are measured differently. In turn, staff developed the Watersheds Operations and Maintenance video to address the IMC's note. The video is available on the E1 project page at [www.valleywater.org](http://www.valleywater.org) <<http://www.valleywater.org>>.

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**ATTACHMENTS:**

Attachment 1: C2 and E2 PowerPoint Presentation

Attachment 2: D6 PowerPoint Presentation



# Valley Water

Clean Water • Healthy Environment • Flood Protection

## Project C2 – Emergency Response Upgrades

Presented by: Jack Xu, Project Manager

Key Performance Indicator: Map, install, and maintain gauging stations and computer software on 7 flood-prone reaches to generate and disseminate flood warnings.

## Project E2 – Emergency Response Planning

Presented by: Juan Ledesma, Project Manager

Key Performance Indicator #1: Coordinate with agencies to incorporate Valley Water-endorsed flood emergency procedures into their Emergency Operations Center plans.

Key Performance Indicator #2: Complete 5 flood-fighting action plans (1 per major watershed).

# C2 & E2 Nexus for Flood Emergencies

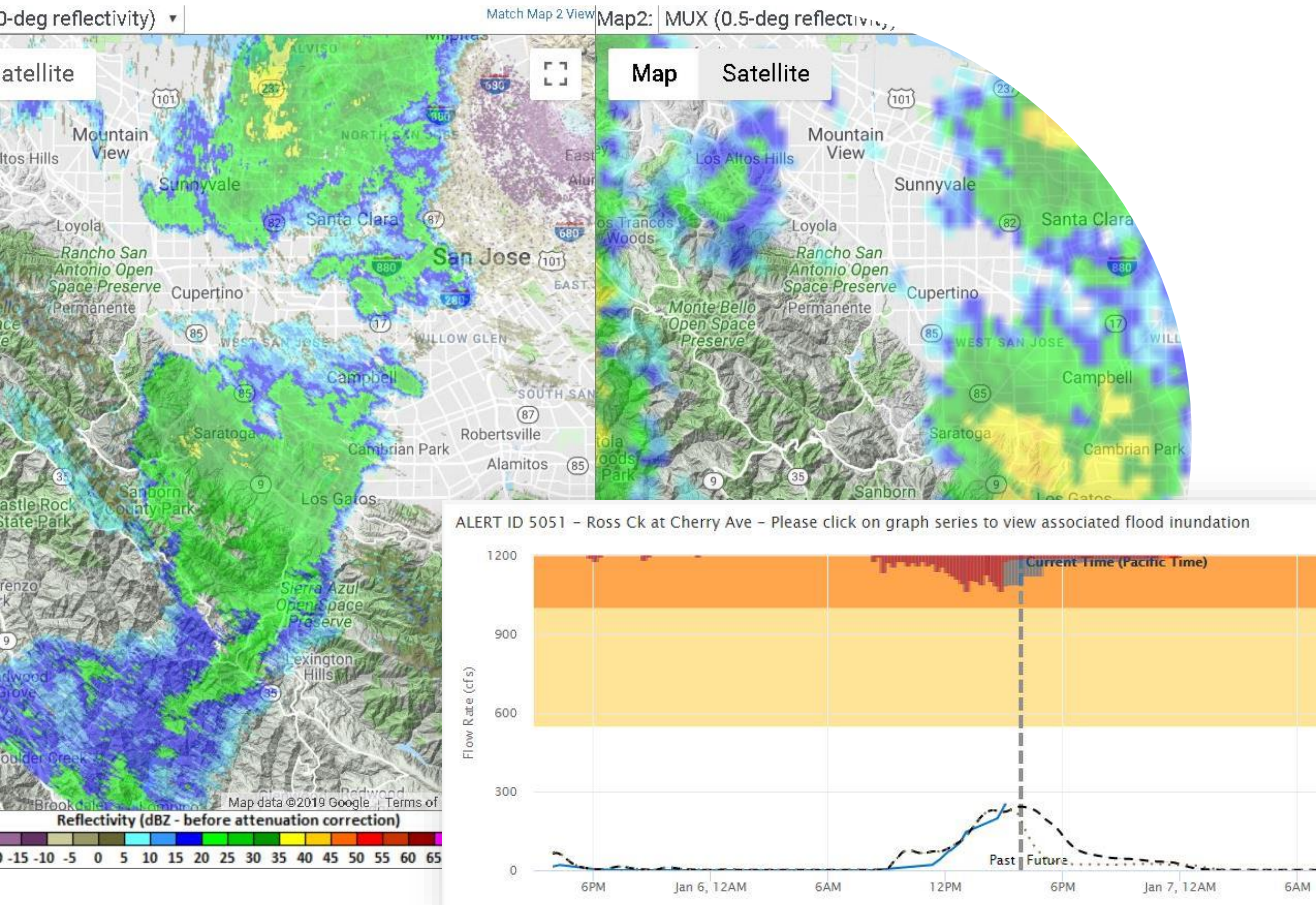
- Emergency Response Upgrades (C2)
  - Information for Situational Awareness
    - Effective Communication of Information
    - Technology Driven
- Emergency Response Planning (E2)
  - Communication lines between Agencies
  - Preparedness (EAPs)
    - Training & Practice using Plans

# C2 & E2 Nexus for Flood Emergencies

4

- Tools developed in C2 are used in EAPs and Valley Water Procedures
  - Flood Forecasting
  - Sensor Network
  - Alarm Thresholds
  - Mapping





# Forecasting

## Step 1: Event Detection, Evaluation, Classification

**Event Detection**—There are several detection methods that include weather forecasts, hydrologic/hydraulic modeling, Automated Local Evaluation in Real Time (ALERT) stream/reservoir/precipitation gauge systems, and field observation of stage gauges and other areas of high flow.

### Weather Forecasts

The National Weather Service (NWS) provides weather (e.g., precipitation) forecasts in advance of a storm event and the District contracts with a service provider for enhanced forecasting.

During storm events, the NWS will host webinars with affected agencies and utilities to discuss forecasts and share information to enhance regional preparedness. The Stakeholders participate in these webinars and share all current information.

### Hydrologic/Hydraulic Modeling

Based on the weather forecast, the District and the NWS River Forecast Center utilize computer modeling of the watershed and creeks to estimate severity of flooding. These models are considered estimates and can vary, sometimes significantly, from the actual flood flows. This is especially true in unmodified stream systems.

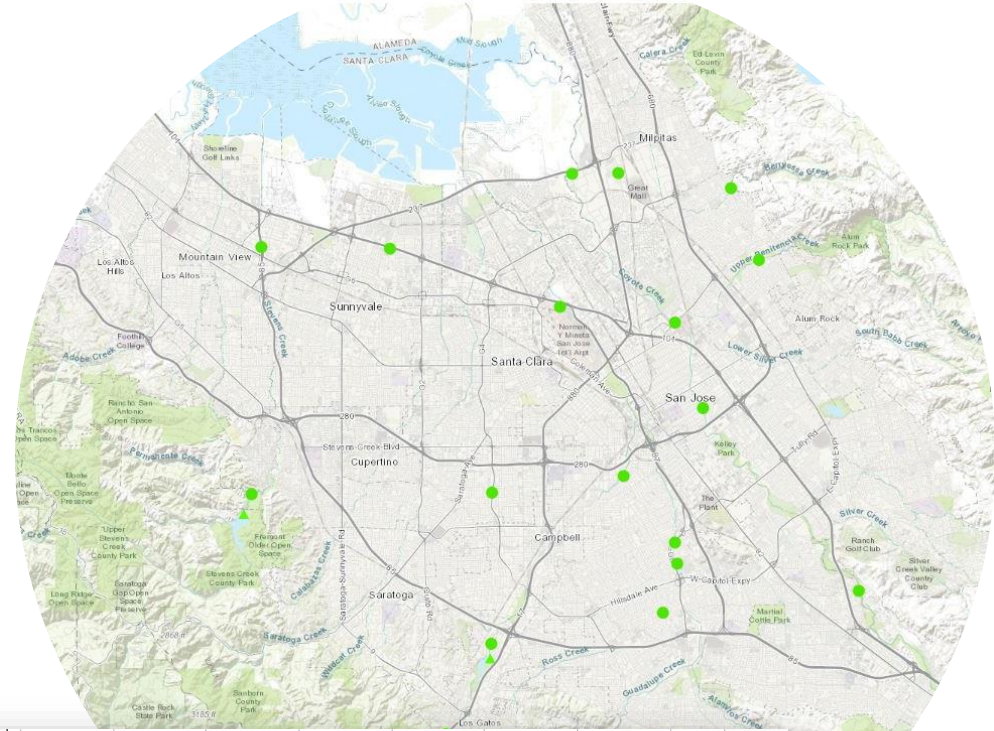
# Sensor Network

## ALERT Gauge System



A listing of all ALERT gauges can be found at <http://alert.valleywater.org/cgi.php>. These gauges provide data in near real-time on most creeks in San José and can provide critical data to determine the level of threat for flooding.

The following is a summary of the current stream gauge program:

- Annually sites will be prioritized for manual gauging and teams assigned to inspect and maintain the gauges.
- After every high flow event, the rule curves (depth versus discharge) are updated/calibrated.





ID#	Index Location	Flooding Description	FLOOD THREAT STAGE AT MONITORING LOCATION				MONITORING LOCATIONS	PHOTO
			50% Capacity	70% Capacity	100% Capacity	2017 Flood High Water Mark		
1a	Charcot	Charcot Bridge overtops, flooding in streets and eventually threatening nearby businesses.	14' to 15'	16' to 17'	18' to 19'	18.9'	Charcot Road Bridge	
2a	Downstream Berryessa Rd—Industrial	Businesses west of Coyote Creek floods. Automotive junkyard and concrete plant at risk.	5' to 6'	6' to 7'	8' to 9'	16.1'	Berryessa Road Bridge	
2b	Upstream Berryessa Rd—Industrial	Industrial area west of Coyote Creek floods threatening businesses.	10' to 11'	12' to 13'	13' to 14'			
2c	Mobile Home Parks	Levee to the west of Coyote Creek overtops, flooding streets and homes. Businesses near the railroad tracks at risk.	12' to 13'	14' to 15'	15' to 16'			

# Alarm Thresholds

## Yellow

**Monitoring**—Stream depth is estimated to reach flood stage in 72 hours plus, or the measured stream depth is 50% to 70% of flood stage. This condition is variable and requires more intense monitoring and a heightened level of alertness. Minimal staff in each Stakeholder's Emergency Operations Center (EOC) may be activated. A virtual MAC could be activated. An informal EOC Action Plan (AP) could be initiated.

## Orange

**Watch**—Stream depth is estimated to reach flood stage within 24 to 72 hours or measured depths are at 70% to 100% of flood stage. The Stakeholders' would increase staff in their EOCs, if not yet activated, and a MAC facility could be established. A formal EOC AP will be drafted.

## Red

**Warning**—This is an urgent situation when flood stage or greater is estimated to occur within 24 hours, or is occurring. The Stakeholders' EOC will have been activated and would be monitoring the situation, providing notifications and responding according to a written AP.

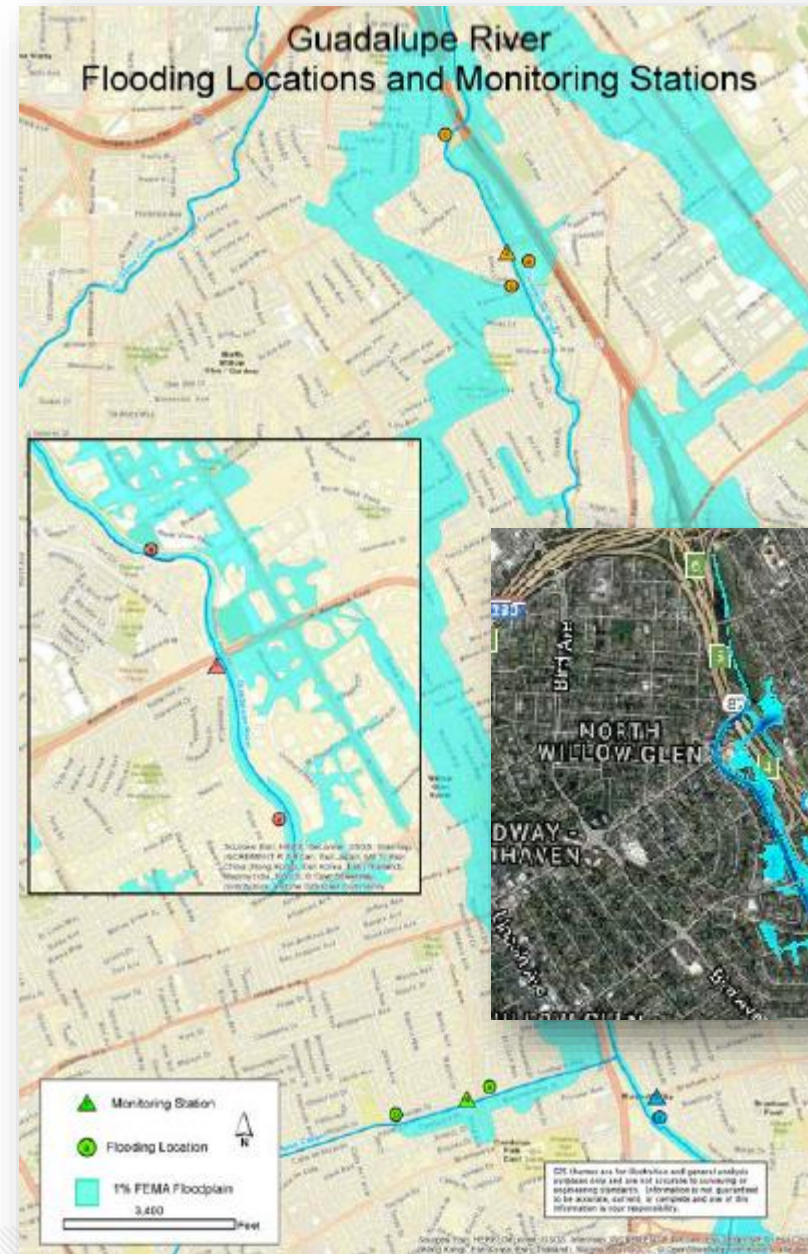
When the threat level is at a Watch or Warning, there is an expectation that flooding will occur or is occurring at some locations. The severity of the situation at specific locations is determined by the flood stage. The areas subject to flooding for of different stream stages are estimated utilizing hydraulic models and flood maps from the 1997 and 2017 floods.

# Mapping

Flood severity categories are defined by the NWS as:

<b>Action</b>	An established gage height which when reached by a rising stream, lake, or reservoir represents the level where action is taken in preparation for possible significant hydrologic activity.
<b>Minor Flooding</b>	Minimal or no property damage, but possibly some public threat (e.g., inundation of roads).
<b>Moderate Flooding</b>	Some inundation of structures and roads near stream, evacuations of people and/or transfer of property to higher elevations.
<b>Major Flooding</b>	Extensive inundation of structures and roads, significant evacuations of people and/or transfer of property to higher elevations.

A 2017 flood inundation map of Coyote Creek is shown in Figure 1A and the associated Flood Thresholds Table 2A on the following page. The map is the Federal Emergency Management Agency (FEMA) 1 percent flood map. This map is based on the best available information and modeling when it was created and should be considered approximate due to the difficulty in estimating an actual event and the changing conditions of the creek.





# QUESTIONS





# Valley Water

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# Valley Water

Clean Water • Healthy Environment • Flood Protection

# Project D6 – Creek Restoration & Stabilization

**Key Performance Indicator:** Construct 3 geomorphic designed projects to restore stability and stream function by preventing incision and promoting sediment balance throughout the watershed.



# Project D6, Site 1: Hale Creek Enhancement Pilot Project

Presented by: Alec Nicholas, Project Manager

# Hale Creek Enhancement Pilot Project

## GENERAL UPDATES

- 90% design documents expected by end of the year
- Permit applications submitted, permits expected by Spring 2020
- Ongoing coordination with residents about Temporary Construction Easements (TCEs) and property line discrepancies

# Hale Creek Enhancement Pilot Project

## GENERAL UPDATES Cont'd

- Coordinating with PG&E to de-energize overhead electric (OHE) lines adjacent to project & realign gas line
- Updated 90% plans allow for construction to proceed even if OHE lines cannot be de-energized
- Construction estimated for 2021, potential of 2020

# Hale Creek Enhancement Pilot Project

## DESIGN IMPROVEMENTS

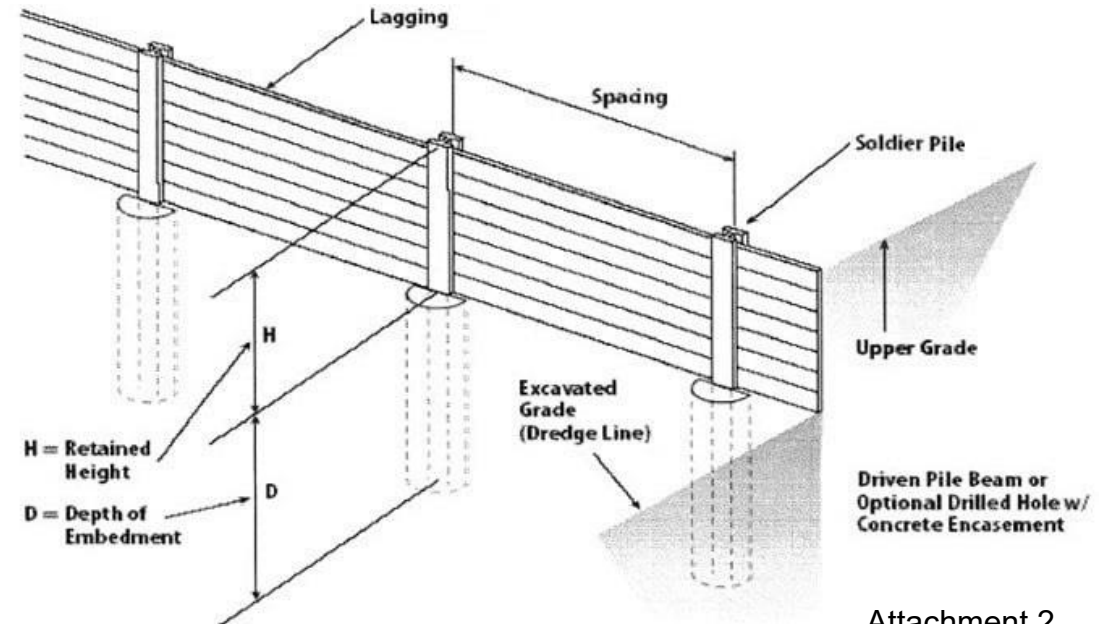
- Originally, only steel sheet pile walls were utilized
- Due to low OHE lines, sheets need to be spliced (costly & time consuming)



# Hale Creek Enhancement Pilot Project

## DESIGN IMPROVEMENTS Cont'd

- Soldier pile wall viable alternative for OHE line locations
- Less splicing required
- Both wall options provided for competitive bidding



# Hale Creek Enhancement Pilot Project

## REAL ESTATE UPDATES

- TCE appraisals in progress
- All adjacent properties have encroachment issues, avg. ~2ft.

# Project D6, Site 2: Bolsa Road Fish Passage Project

Presented by: Bill Springer, Project Manager



# Bolsa Road Fish Passage Project

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# Bolsa Road Fish Passage Project

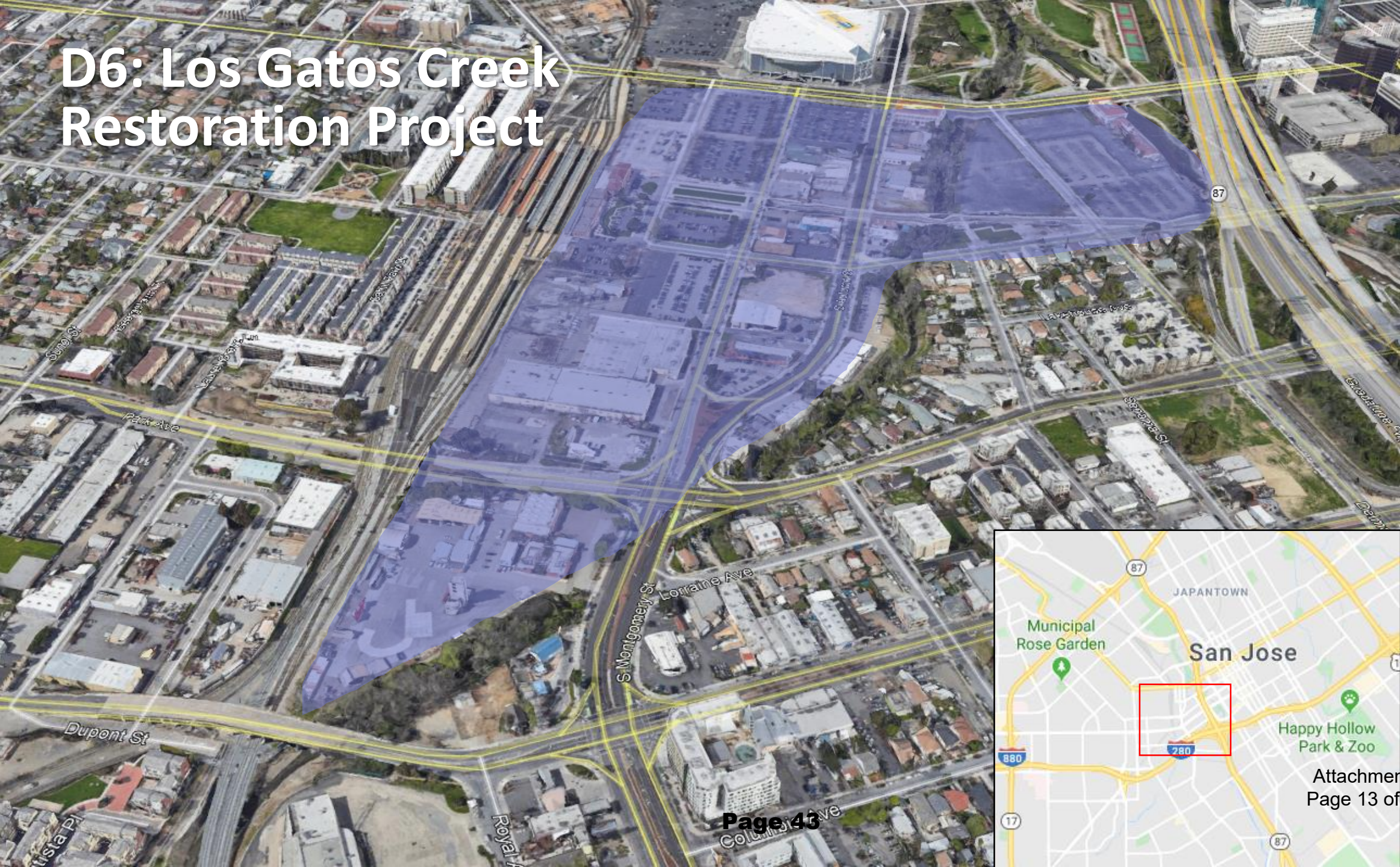
- Design being revised to address constructability
- Final design by December 2019
- Regulatory Permits have been obtained
- All rights-of-entry and Temporary Construction Easements will be updated by December 2019
- Construction to begin May 2020

# Project D6, Site 3: Los Gatos Creek Restoration Project

Presented by: Jack Xu, Project Manager

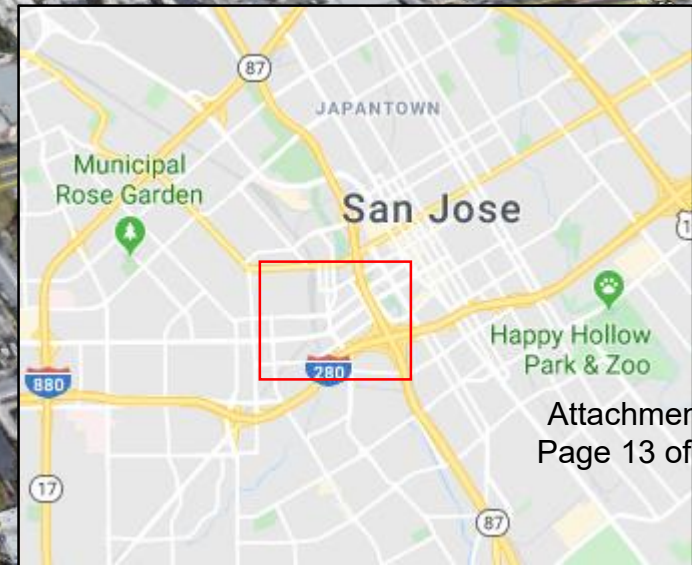


# D6: Los Gatos Creek Restoration Project



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valleywater.org










# Santa Clara Valley Water District

**File No.:** 19-1128

**Agenda Date:** 12/4/2019

**Item No.:** 7.

		
	Meeting Date:	12-4-19
	Item No.	7
	Unclassified Manager:	Melanie Richardson
		1-408-630-2035
<b>SAFE, CLEAN WATER INDEPENDENT MONITORING COMMITTEE</b>		

**SUBJECT:** Safe, Clean Water and Natural Flood Protection Program Independent Monitoring Committee Review Process and Schedule for Fiscal Year 2019 Annual Report

- A. Determine whether to continue existing or establish a new process to review the Annual Report
  - a. Review prior subcommittee assignments
  - b. January 6, 2020 through January 17, 2020, Subcommittee Meetings schedule
- B. Set schedule for review of FY19 SCW Annual Report and development of IMC's Year 6 Report
  - a. Review proposed schedule

**RECOMMENDATION:**

Receive information regarding the Safe, Clean Water report cycle and Subcommittee schedule dates for review and reporting, as requested by the Committee.

**SUMMARY:**

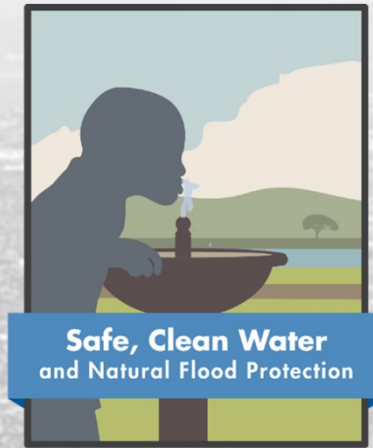
Valley Water staff will be presenting a brief overview of the Safe, Clean Water Annual Report cycle. Staff will be reviewing last year's subcommittee assignments and setting a schedule for review of the FY19 Annual Report.

**ATTACHMENTS:**

- Attachment 1: FY19 SCW Annual Report PowerPoint Presentation
- Attachment 2: SCW IMC Subcommittee List







# Annual Report Year 6 (FY19)

## Independent Monitoring Committee Kick-Off Meeting

December 4, 2019



# Agenda

- FY19 Safe, Clean Water Annual Report Independent Monitoring Committee (IMC) Review Kick-Off Meeting:
  - Overview
    - FY19 Accomplishments Overview
    - Safe, Clean Water Program Cycle
    - Change Control Process Overview
  - Determine
    - IMC Review Process
    - IMC Review Schedule

# Overview: FY19: Ac

Stewards of creeks, the bay, and aquatic ecosystems

## Project Updates

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## Safe, Clean Water and Natural Flood Protection Program

[Your Water](#) [Flooding & Safety](#) [Saving Water](#) [Project Updates](#) [Learning Center](#) [News & Events](#) [How We Operate](#)

### Protect & Restore

Stewards of creeks, the bay, and aquatic ecosystems

## Project Updates

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## Safe, Clean Water and Natural Flood Protection Program

### About the Safe, Clean Water and Natural Flood Protection Program

In November 2012 the voters of Santa Clara County overwhelmingly approved Measure B, the Safe, Clean Water and Natural Flood Protection Program, as a countywide special parcel tax for 15 years with a sunset date of June 30, 2028. This program replaced the Clean, Safe Creeks and Natural Flood Protection Plan, which voters approved in November 2000.

The Safe, Clean Water Program was developed with input from more than 16,000 residents and stakeholders and was created to match the community's needs and values. The voters of Santa Clara County identified five priorities:

- Priority A: Ensure a Safe, Reliable Water Supply
- Priority B: Reduce Toxins, Hazards and Contaminants in our Waterways
- Priority C: Protect our Water Supply from Earthquakes and Natural Disasters
- Priority D: Restore Wildlife Habitat and Provide Open Space
- Priority E: Provide Flood Protection to Homes, Businesses, Schools and Highways
- Other: Six projects from the Clean, Safe, Creeks Plan have been carried forward into the Safe, Clean Water Program.

Each year, the district prepares a report providing a progress update for each of these program priorities, along with fiscal year accomplishments.

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Each year, the district prepares a report providing a progress update for each of these program priorities, along with fiscal year accomplishments.

STAFF RESPONSE Independent Monitoring Committee (IMC) Report Reviewing Fiscal Year (FY) 2016-2017 Annual Report Safe, Clean Water and Natural Flood Protection Program (SCW or Safe, Clean Water)	
IMC General Recommendations	
Subject:	IMC General Comments:
Permitting	The majority of capital projects in the Annual Report require permits from other agencies and obtaining these permits in a timely manner can be a challenge. Permit delays can delay projects, increase construction costs and erode the public's trust.
Capital Funding Partnerships	Large capital projects cannot be funded solely by the District and can rely heavily on funds from outside agencies. There are two areas which can prove challenging to the successful completion of these types of projects. Funding from outside agencies is not always guaranteed nor is it always delivered at the projected time.
Climatic Extremes – Drought and Flood	A prolonged drought can have continued impacts over a long period of time. Impacts from a flood are immediate and require an immediate response. Climatic extremes of drought and flood will impact staffing and budgets.
New Statutes and Regulations	The IMC recommends the SCW report acknowledge that new statutes and regulations may change the scope and cost of a project in the 15-year program, affecting large and small projects alike. Examples are Anderson Dam (spillway evaluation requirements) and the pharmaceutical grant project.
Financial Information per Project	If not already included, the IMC recommends providing explanation for any project budget that is either over or under by more than 5% of the annual budgeted amount to ensure transparency.

# Project Tour for IMC - Video

- ▶ Video of the September 2019 project tour will be shared with IMC members in the near future.



# The Safe, Clean Water Program Cycle



# Change Control Process

## Adjustments v. Modifications

Types of Changes	Adjustments	Modifications
<b>Text</b>	Edits to text for correction of grammatical errors, information/ data updates, and overall readability	Changes to a project's KPIs
<b>Schedule</b>	Adjustments to project schedules provided in the original SCW Program	
<b>Funding</b>	Fiscal Year budget adjustments and increases to project funding allocations that do not impact any project deliverables in the SCW Program	Increases to project funding allocations that will impact any project's KPIs in the SCW Program



# Determine IMC Review Process: Subcommittees

Review Period: December 2019-February 2020

## FY18 Annual Report Subcommittee Members

► Priority A	Bill Hoeft (Subcommittee Chair) Hon. Joe Head Doug Muirhead	Kathy Sutherland Kit Gordon
► Priority B	Tess Byler (Subcommittee Chair) Kit Gordon	Julie Hutcheson Bill Hoeft
► Priority C	Bill Hoeft (Subcommittee Chair) Hon. Joe Head Doug Muirhead	Kathy Sutherland Kit Gordon
► Priority D	Hon. Virginia Holtz (Subcommittee Chair) Kit Gordon	Eileen McLaughlin Doug Muirhead
► Priority E	Doug Muirhead (Subcommittee Chair) Julie Hutcheson Hon. Patrick Kwok	Kathy Sutherland Tess Byler
► Priority Other	Kit Gordon Hon. Virginia Holtz	Eileen McLaughlin Doug Muirhead

# IMC Review: Tentative Schedule

Review Period: December 2019-February 2020

- December 4 - IMC review kick-off meeting
- January 6-17 - IMC project review via priority sub-committees
- January 29 - Sub-committee chairs report findings to IMC
- January 30 or 31 - Report drafting meeting
- February 7 - Draft report mailed to IMC members
- February 12 - IMC meeting to review/finalize report
- February 14 - IMC Audit Report of Year 6 finalized
- February 25 - IMC presents Audit Report to Board of Directors
- March 10 - Staff Response presented to Board of Directors

A large, dynamic splash of water in shades of blue and white, set against a solid blue background. The splash originates from the bottom left and moves towards the right, with many droplets and bubbles visible. The entire scene is framed by a thin grey bar at the top and a thin yellow bar at the bottom.

# Questions?



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<b>2019 SCW IMC SUBCOMMITTEE</b>	
<b>Priority</b>	<b>Members</b>

E	Tess Byler Julie Hutcheson Hon. Patrick Kwok Doug Muirhead Kathy Sutherland
A/C	Hon. Joe Head Bill Hoeft Doug Muirhead Kathy Sutherland
B	Tess Byler Kit Gordon Bill Hoeft Julie Hutcheson
Other	Kit Gordon Hon. Joe Head Hon. Virginia Holtz Eileen McLaughlin Doug Muirhead
D	Kit Gordon Hon. Virginia Holtz Eileen McLaughlin Doug Muirhead Hon. Carmen Montano

Available dates/times:

January 6<sup>th</sup> 10:00 – 5:00 p.m. (A143)  
January 7<sup>th</sup> 8:00 a.m.– 5:00 p.m. (Boardroom)  
January 7<sup>th</sup> 11:00 a.m. – 5:00 p.m. (A143)  
January 8<sup>th</sup> 8:00 a.m.– 5:00 p.m. (Boardroom-hold)  
January 8<sup>th</sup> 8:00 a.m. – 5:00 p.m. (A143-hold)  
January 9<sup>th</sup> 8:00 a.m.– 5:00 p.m. (Boardroom)  
January 10<sup>th</sup> 8:00 p.m. – 5:00 p.m. (Boardroom)  
January 10<sup>th</sup> 8:00 p.m. – 4:00 p.m. (A143)  
Week of January 13<sup>th</sup> TBD

LESS THAN QUORUM = 6 people MAX on any Subcommittee







# Santa Clara Valley Water District

**File No.:** 19-1129

**Agenda Date:** 12/4/2019

**Item No.:** 8.



	Meeting Date:	12-4-19
	Item No.	8
	Unclassified Manager:	Melanie Richardson
		1-408-630-2035
<b>SAFE, CLEAN WATER INDEPENDENT MONITORING COMMITTEE</b>		

**SUBJECT:** Annual Report Finalization and Next Steps

- A. IMC Report on the FY19 SCW Annual Report Finalized by February 14, 2020
- B. IMC Chair presents IMC Report to Board of Directors on February 25, 2020

**RECOMMENDATION:**

Receive and approve proposed schedule for finalizing the Independent Monitoring Committee (IMC) Annual Report and presentation of the Report to the Board of Directors.

**SUMMARY:**

Valley Water staff will propose the schedule to the Committee for its approval. The schedule will include proposed dates for sub-committee and full committee meetings for the completion of the IMC Annual Report and its presentation to the Board of Directors by the IMC Chair.

**ATTACHMENTS:**

None.

