President’s Day Weekend Storm Community Meeting and Workshop
April 17, 2017
Meeting outline

1. Progress update on the City of San Jose’s recovery efforts

2. Water district presentation on:
   • Weather situation leading to the Presidents’ Day Weekend storm and flooding
   • Storm roles, coordination and winter preparations
   • Proposed solutions: short, intermediate and long term

3. Small group discussion

4. Report out from the small group discussions

5. Next steps

6. Staff available to answer questions
Winter of 2016-2017 was an extraordinary rainy season.
District roles and responsibilities

- Countywide District
- Infrastructure stabilization
  - 275 of the 800 miles of creeks
  - For Mid-Coyote Creek District owns less than 10% of right-of-way
- Monitor and assess information
- Activate emergency plans
- Share information
Roles & responsibilities the water district is not engaged in

- Assess local conditions
- Inform public and first responder agencies about evolving conditions
- Direct police, fire, EMS, public works and other human services functions
- Initiate, communicate and carry out safety actions such as evacuations
- Provide care, medical services, and shelter
Flood protection projects: planning, design, or construction

**Lower Peninsula Watershed**
- San Francisquito Creek
- Permanente Creek

**Guadalupe Watershed**
- South Bay Shoreline Study
- Upper Guadalupe (reaches 7, 8, & 12)
- Canoas Creek (bank repair completed)

**Coyote Watershed**
- Upper & Lower Berryessa creeks
- Upper & Lower Penitencia creeks
- Coyote Creek
- Lower Silver Creek
- Lake Cunningham
Pre-season preparations: June – October

- 8,250 cubic yards of trash & debris cleaned
- 84,000 cubic yards of sediment removed
- Creek bank stabilization
- 5 acres of in-stream vegetation removed
Winter preparedness: October - November

• Inter agency coordination
• Annual winter workshop
• Anderson Dam functional exercise
• ArkStorm tabletop exercise

• Pre-storm inspections
• Preventative maintenance
• Respond to field conditions
Coyote Watershed

322 square-miles, including 16 major creeks
Weather situation overview

- Series of atmospheric rivers back-to-back (~200% of average)
- Oroville Dam spilled
- In Santa Clara County, 8 out of 10 dams spilled
- Second highest seasonal rainfall at Coyote Reservoir rain gauge since 1936
Weather situation overview

- Less than half-full Anderson Reservoir filled to the brim in a month-and-a-half
- Record spill over Anderson Dam in its 67-year history and continued spilling for 10 days
- Record flood water level
- Coyote Creek Edenvale Stream Gauge
  - Tuesday, Feb. 21: 13.7 feet
  - Previous Record (1922): 12.8 feet
Coyote Creek Flows: 1/1 – 2/28

Coyote Creek at Madrone Streamflow Gauge (ALERT gauge 5082)*

Anderson Reservoir spillway flows peak at above 7,000 cfs

Anderson Reservoir outlet is closed on 2/20 as spillway flows exceed 2,000 cfs

Anderson Reservoir outlet reopened on 2/24

Anderson Reservoir begins to spill on 2/18

Anderson Reservoir outlet opened 100% on 1/9 (~425 cfs)

Anderson Reservoir stops spilling on 2/28

* Preliminary – subject to revision
Anderson reduces peak flows

![Graph showing peak flows reduction](image-url)
Storm coordination – Feb. 8-17, 2017

- 4 Operational area conference calls
  - Updating stream forecasts & gauge data
- Coordinating calls with San Jose Feb. 14 & 15
- National Weather Service (NWS) webinars
- Information via WebEOC and emails:
  - Overtopping location map and list
  - Ownership/jurisdiction maps
  - 7,300 cfs inundation maps
Storm Arrives – Feb. 20-21, 2017

- District crews check hot spots, remove debris from bridges, repair facilities
- Continued coordinating calls with San Jose and other agencies, San Jose staff member imbedded in District EOC
- Coyote Canal repaired
- Flood information teams dispatched. Hydrologists calibrating gauge information
Short Term

1. Emergency Response Planning:
   - Joint emergency action plan (EAP) with City of San Jose
   - Improvement of the ALERT website for Coyote Creek
   - Install additional streamflow gauges and stage indicators

2. Flow Improvements:
   - Non-native vegetation removal
   - Continued vegetation and sediment maintenance in improved sections of creeks

Note: Creek flow improvements can only be conducted if they do not worsen or induce flooding downstream.
Flood risk reduction actions to be considered by Santa Clara Valley Water District Board of Directors

Short Term:
• Immediate and implementable flood relief solutions
• Permittable and do not cause flooding elsewhere

Intermediate to Long Term Measures:
• Update Mid-Coyote Project planning study
• Utilize local funds and seek state and federal funding to complete construction
Group discussion

Questions:

1. What do you want the water district to know about the flooding?

2. What questions do you have for the water district?

3. How would you like to receive information about future storm events?

Group report out:

1. Share what was discussed in your group with the rest of attendees.
Next steps

Response follow-up
- Written answers to the questions asked at all three meetings will be provided in English, Spanish, and Vietnamese
- Provide us with your contact information
- Responses will be posted on water district website www.valleywater.org

Questions
- If you have other questions, please fill out a comment card or send an email to floodsafe@valleywater.org
- Water district staff is available to answer questions
Meeting Summary

Thank you for your questions, time and participation as we discussed:

1. Recovery efforts

2. Extraordinary rain conditions of January and February

3. Storm preparations

4. Proposed short, intermediate, and long term flood safety solutions