May 2019 Meeting Review

1. Defined project limits & setting
2. Flooding history & project timeline
3. Early conceptual alternatives
4. Obtained input from public
Agenda Today

1. Public input from past meeting
2. Define criteria for feasible alternatives
3. Feasible Alternatives
4. Emergency Preparedness
5. Anderson Dam Project Update
6. Table discussions
### May 21st, 2019

#### Public Input

59 comments

<table>
<thead>
<tr>
<th>Subject</th>
<th>Quantity</th>
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<tr>
<td>Anderson Dam</td>
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<tr>
<td>Flooding dynamics/Problem Definition</td>
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<td>Interagency coordination &amp; collaboration</td>
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<td>Project Goals</td>
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<td>Conceptual Alternatives</td>
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Flood protection should be the number one goal. Aesthetics is important but less than safety. As renters, we care about safety only. Other benefits do not concern us much.

What is Valley Water doing to ensure the join collaboration with the City of San José and let residents know government is working together for you?

Why did the Rock Springs community got such a short floodwall? Does it provide protection?

Some of the residents living away from proposed floodwalls are not too concerned with aesthetics, they just want to be protected from flooding.

Support and coordinate with the City Trail Master Plan. Support recreation and trail development.

Limit development in floodplains. Need to do good land use decision making in flood prone areas. Coordinate with the City of San José before allowing development in the flood zone.
External Coordination


- Coyote Creek Trail Master Plan: [http://www.sanjoseca.gov/?nid=2821](http://www.sanjoseca.gov/?nid=2821)

Conceptual into Feasible Alternatives, What does it mean?

- **Conceptual Alternatives**: broad, simple and high-level options of flood mitigation strategies proposed in a certain area.

- **Feasible Alternatives**: available and reasonable options which are screened during the conceptual alternative stage against a set criteria.

**CRITERIA TO MOVE TO FEASIBLE ALTERNATIVES**

- Homes, schools, businesses and transportation networks are protected from a flood event similar to the February 2017 event.
- Least Environmentally Damaging
- Permittable within the next 2 years
- Technically Feasible
- Logistically Feasible
- Financially feasible both short term and long term
- Has Community Support
Critical Facilities

A facility for which even a slight chance of flooding poses too great a threat. Ideally, critical facilities should not be located in a floodplain.

- Structures that produce, use, or store highly volatile, flammable, explosive, toxic and/or water reactive materials
- Police stations, fire stations, vehicle and equipment storage facilities and emergency operation centers
- Streets and roads considered critical for fire prevention, evacuation and rescue operations
- Hospital, nursing homes and housing likely to have occupants who may not be sufficiently mobile
- Public and private utility facilities vital to maintaining or restoring normal services to flooded areas

Image by Jim Gensheimer
Bay Area News Group
South 12th St. Apartment Buildings
Reach 8 – Rock Springs Community/Bevin Brook Drive

Coyote Creek
1-280 to Tully Road
Reach 8
Conceptuals

Early Conceptual Alternatives
- Vegetation Management
- Berm/Floodwall
- Floodwall
- Widen Creek/Restore Floodplain

Railroad
- VTA
- CALTRAIN
- Southern Pacific
- Western Pacific
Rock Springs Community/Bevin Brook Dr

EXISTING

FEASIBLE

Proposed Floodwall Approx. 4 feet (floodproof to elevation 8'3"

Design water surface elevation

Cooky Family Stables
Flood Risk Reduction at Critical Facilities - Tully Rd Groundwater Station
$2\text{ M*}$

- Floodwalls/Berm

*Rough Order of Magnitude estimate, includes Highway 280 to Tully Road work (Reach 8)*
November 3rd, 2017, Valley Water Board of Directors and San José City Council approved a Joint Emergency Action Plan for Severe Storm and Flood Response

- Outlines how the City and Valley Water manage, prepare for and communicate about flooding issues on Coyote Creek as well as other waterways
- Establishes roles and responsibilities, who does what?

If a flood event happens next year, what is Valley Water doing in terms of developing an early warning and notification system prior to a flood event?

**Joint Emergency Action Plan**

1. **Improves how we measure water levels in Coyote Creek**
   
   gis.valleywater.org/SCVWDFloodWatch

2. **Communicates every stage of a potential flood using clear triggers for various actions**

3. **Improves communication with the community using better tools and improved procedures**

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<tr>
<th>Preparedness</th>
<th>Flood Monitoring</th>
<th>Flood Watch</th>
<th>Flood Warning</th>
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<tr>
<td>No storms are forecasted within the next 72 hours. Stream depths are below 50% of flood stage. Reservoirs are not spilling.</td>
<td>Storms are forecasted. Stream depths are at 50% to 70% of flood stage. This condition is fluctuating and requires monitoring and being alert for potential flooding and possible evacuation notification.</td>
<td>Storms have occurred. Stream depths may reach flood stage in 24 to 72 hours. Prepare for possible evacuation notice.</td>
<td>Flooding is imminent, generally within 24 hours or is occurring.</td>
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Get Flood Ready

valleywater.org/floodready

Flood Protection Resources

- Is your home in a flood zone?
- Sign up for emergency alerts
- Flood Insurance
- Flood safety advice: Before, During, After
- Sandbag distribution sites
- Report creek blockages and local street flooding

SCVWD Map-Based Flood Watch Tool (Maps best viewed in Chrome, Firefox, Safari or IE 11)

Monitor Stream, Reservoir, Rainfall Levels with the ALERT gauge system
**Expeditied Project Timeline:** Assumes project alternative selected for implementation does not require extensive permitting

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Next Steps

Problem Definition Report: Nov 2017 – Jan 2019 (Draft Completed)

Conceptual and Feasible Alternatives: Sep 2018 - Sep 2019

Planning Study Report: July 2019 – Jan 2020

Design, CEQA and Permitting: Jan 2020 – Dec 2021

Construction: Jan 2022 – Dec 2024
Anderson Dam Existing Components

- Spillway
- Outlet Pipe
- Dam Crest
- Dam Embankment
Anderson Dam Project Components

- Replace Spillway
- High Level Outlet Pipe
- Temporary Diversion System
- Low Level Outlet Pipe
- Remove all liquefiable material and reconstruct embankment
Project Schedule

We are here


2014 2016 2018 2020 2022 2024

NEPA / CEQA / Permitting

Design

*Start of construction dependent on permit acquisition.

30% Design 60% Design 90% Design

*Construction → 2030
For more information

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