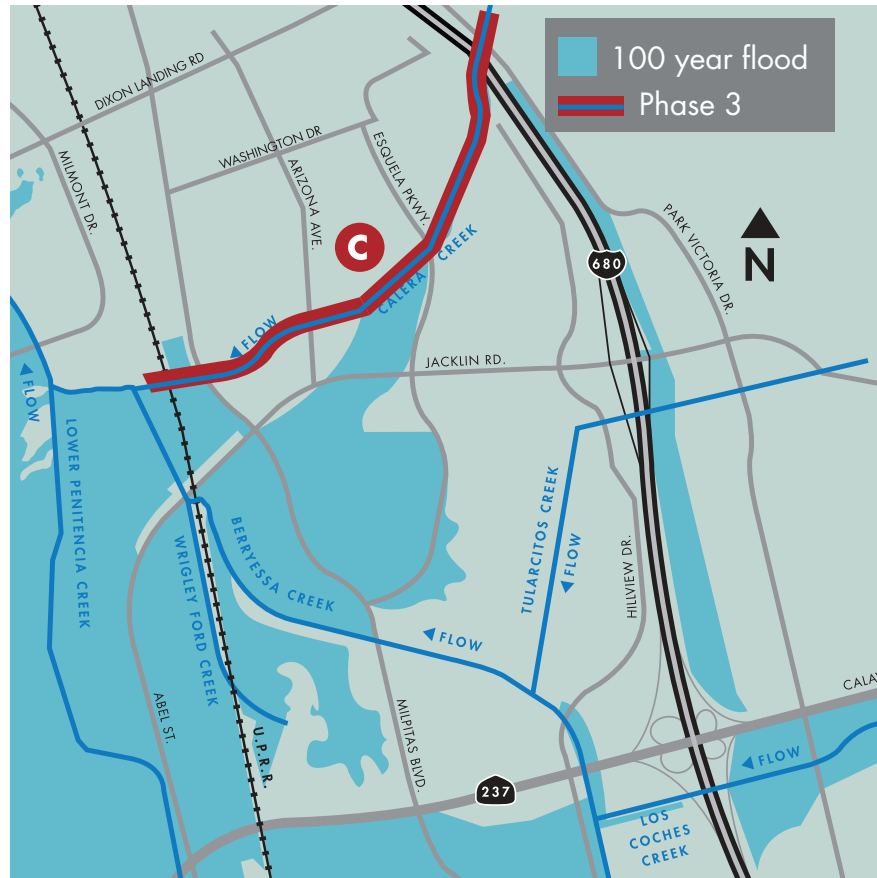


Benefits

- Removes thousands of homes and businesses from the 100-year floodplain
- Provides opportunity for recreational trails
- Addresses backwater effects from Lower Berryessa Creek

Features

- Riparian vegetation strip with native plants
- Concrete flood walls



The proposed project would be to reconfigure the channel and provide concrete floodwalls on each side of the channel to contain peak storm flows. The new channel would be wider than the existing channel and provide areas for planting riparian (native) vegetation along the toe of one bank of the channel. A maintenance road would be provided at the top of one bank and 5-foot wide maintenance path would be provided on the opposite top of bank. At the downstream end of this section, the sides of the existing concrete channel will be modified to provide the required depth (freeboard) for the flood flows.

Flood protection design

The Lower Berryessa Creek Flood Protection Project will contain the runoff created by a 1 percent flood event (sometimes referred to as a "100 year flood"). The project is designed to accommodate the large storm event that has a 1 percent chance of being equaled or exceeded in any single year. A storm event of this size might seem unimaginable and outside the realm of a lifetime, but, the statistical possibility of homes within the FEMA flood hazard area experiencing flood damage during the life of a 30-year mortgage is 26 percent. Flood insurance is sensible for any home and required for mortgage holders within a FEMA flood hazard area. Once complete, the homes within the FEMA flood hazard area will qualify for much less expensive flood insurance premiums, and will likely not face requirements to carry this type of insurance.

continued on back...

Existing



Calera Creek facing North at Milpitas Boulevard.

Future improvements



Photo rendering of Calera Creek facing North at Milpitas Boulevard.