

# D Tularcitos Creek

## Benefits

- Provides opportunity for recreational trails
- Addresses backwater effects from Lower Berryessa Creek

## Features

- Short concrete flood walls to provide freeboards
- Storm water pump station



The proposed project would be to construct a storm water pump station near the confluence with Berryessa Creek to provide additional channel capacity upstream to convey peak design flows. Short concrete floodwalls would also be required upstream of the pump station to provide adequate freeboard and existing roads and pedestrian bridges would need to be modified.

## 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.

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## **Existing**



Tularcitos Creek facing South at Alcosta Drive.

## **Future improvements**



Photo rendering of Tularcitos Creek facing South at Alcosta Drive.