

## Lower Cache Creek Feasibility Study (LCCFS)

### Flood Risk Reduction for the City of Woodland

Cache Creek poses a significant flood risk to portions of the City of Woodland. The City is partnering with the US Army Corps of Engineers (USACE), the Central Valley Flood Protection Board (CVFPB) and the California Department of Water Resources (DWR) to identify projects to reduce that risk.

Ultimately, the City's goals are to maximize state and federal investment in a project, or projects, that will:

- Improve public safety
- Comply with state and federal regulations
- Reduce the cost of flood insurance for property owners

### What's the Risk?

Cache Creek, located north of the City of Woodland, carries water from Clear Lake into the Cache Creek Settling Basin (north and east of I-5) and eventually into the Yolo Bypass. The Creek has a long history of flooding. In fact, the Creek has overtopped its banks and levees more than 20 times since 1900. That's because existing levees along Cache Creek only provide approximately a 10-year level of flood protection. This means the levees have a 10 percent chance of breaching in any given year. Most recently, the Cache Creek levees overtopped in February 2019. If not for flood fighting actions, portions of Woodland could have flooded.

### **Lower Cache Creek downstream of CR102 looking east, February 27, 2019**



Within the City of Woodland, approximately 1,000 properties are mapped into a Federal Emergency Management Agency (FEMA) Special Flood Hazard Area (SFHA) because they are within the Cache Creek floodplain.

### **FEMA 100-year Special Flood Hazard Area**



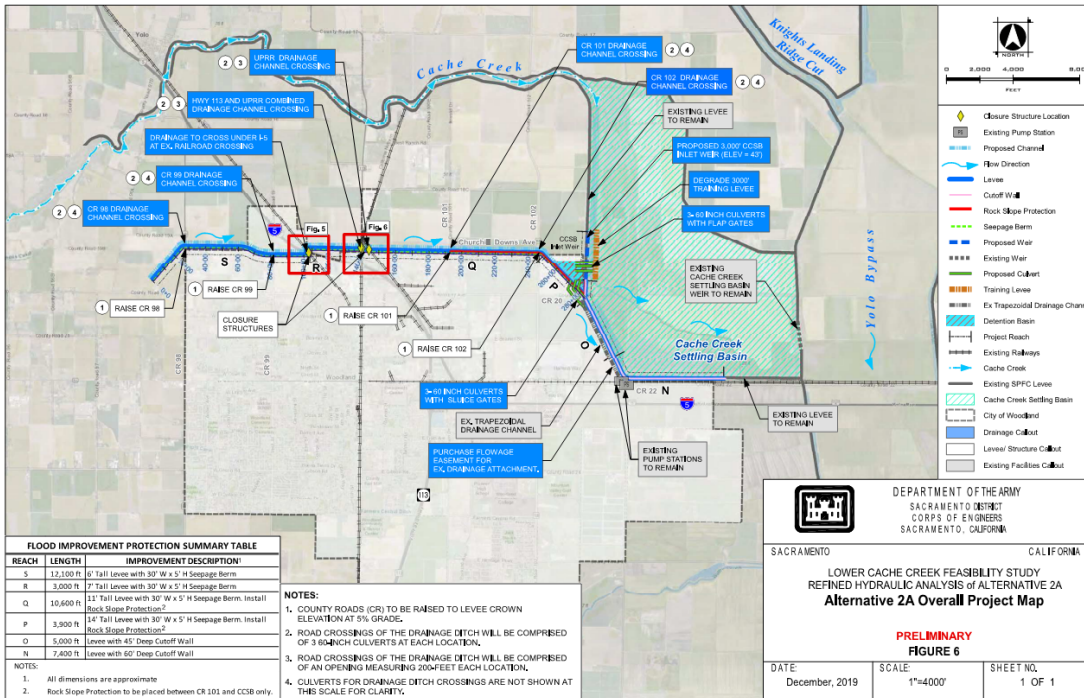
During the pause in study activities, DWR awarded an Urban Flood Risk Reduction grant to the City. The grant paid for a UC Davis study on sediment transport, along with an engineering analysis that evaluated areas north of the City. The additional analyses were completed in 2016, but the feasibility study did not get restarted until late in 2018.

The study is slated for completion in summer 2021. The USACE will use study results to determine whether or not there is a Federal interest in a constructing a project. If there is, the USACE will issue a Chief's Report, recommending to Congress that the project be authorized, and making the project eligible for federal funding. It can also help in identifying and securing additional state funding.

**USACE Draft Feasibility Study Highlights Tentatively Selected Plan**

The USACE released its Lower Cache Creek Draft Feasibility Report and the related Draft Supplemental Environmental Impact Statement in late December 2019. The draft includes an overview of the USACE's Tentatively Selected Plan, called Alternative 2A – Levee and Conveyance Plan. Alternative 2A involves improving existing levees and constructing a new levee and conveyance channel north of the City to prevent flooding from Cache Creek. Proposed project features include levee embankments, seepage berms, a drainage channel, cutoff walls, a weir, and closure structures across certain roads and railways.

**Lower Cache Creek Feasibility Study Alternative 2A Project Map**



Alternative 2A's estimated cost is \$258,861,000. Of that amount, \$168,852,000 would be funded by the USACE. The remainder of the cost, or \$90,009,000, would be cost-shared between the City of Woodland and the CVFPB.

**USACE Draft Feasibility Study Available for Review and Comment**

In late December 2019, the USACE released its Lower Cache Creek Draft Feasibility Report and the related Draft Supplemental Environmental Impact Statement for public review and comment. On January 22, 2020, the Corps held a community meeting to present information on the report and its Tentatively Selected Plan, called Alternative 2A – Levee and Conveyance Plan. Alternative 2A involves improving existing levees and constructing a new levee and conveyance channel north of the City to prevent flooding from Cache Creek. Proposed project features include levee embankments, seepage berms, a drainage channel, cutoff walls, a weir, and closure structures across certain roads and railways.

The public comment period for the USACE Lower Cache Creek Draft Feasibility Study closed on February 10, 2020. Study documents can be reviewed and downloaded from the USACE website:

[Lower Cache Creek Draft Feasibility Report](#)

[Lower Cache Creek Draft Supplemental Impact Statement](#)

[Lower Cache Creek Draft Supplemental Impact Statement – Appendices](#)



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