

Changes to Base Flood Elevation (BFE) and 1% Annual Chance Flood Hazard Zone

The Federal Emergency Management Agency (FEMA) uses hydraulic engineering calculations at river cross sections to determine the Base Flood Elevation (BFE), which is the water surface elevation for a 100-year flood. Then the BFE is used to calculate the area inundated by a 100-year flood (the 1% Annual Chance Flood Hazard Zone).

A maximum increase in the BFE is modeled at river mile **RM 79.38** (near the Canyon Creek confluence).

A maximum decrease in the BFE is modeled at river mile **RM 79.77** (at the Dutch Creek Road Bridge).

No changes to BFE are expected around insurable structures.

BFE Changes at Cross Sections

Direction of Change

- Decrease
- No Change
- Increase

Parcels

- Approximate Boundaries*

Rehabilitation Site

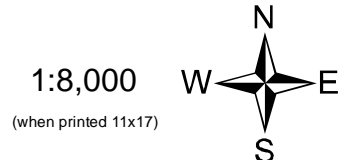
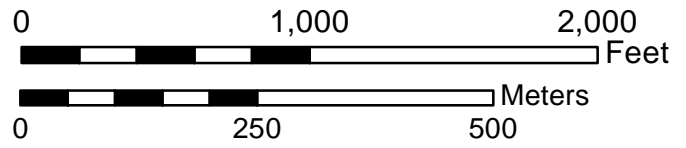
- Boundary

Roads

- Highway
- Paved
- Rocked
- Native
- Decommission
- Trail/Undrivable

Aerial Photography Aug. 16, 2017

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* Approximate Boundaries are from the Trinity County Resource Conservation District.

Exhibit B.
Lower Junction City
2014 Channel Rehabilitation Project
 Forecast Changes to FEMA Base Flood Elevation at Flow Modeling Cross Sections

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